SCREENING TOSSICOLOGICO RAPIDO – Codice SC9005B

Il kit per l'analisi tossicologico-forense è un metodo di screening per analizzare centinaia di composti in modalità positiva e negativa, nel plasma e nel sangue.
E' possibile determinare le seguenti molecole:

MODALITA' POSITIVA:

Amitrole	Altretamine	Baclofen
17-alpha-Methyltestosterone	Alypin	Bambuterol
2-Amino-5-chlorobenzophenone	Amantadine	Bamifylline
2-Amino-5-nitrobenzophenone	Ambroxol	Bamipin
2-Hydroxyethylflurazepam	Ambucetamide	Beclamide
3,4-Methylenedioxyamphetamine	Amezinium	Beclometasone dipropionate
3,4-Methylenedioxyethylamphetamine	Amidopyrin	Befunolol
3,4-Methylenedioxymethamphetamine	Amidotrizoic Acid	Bendiocarb
3,5-Diiodotyrosine	Amiloride	Benfluorex
4-Benzamidosalicyclic acid	Aminodantrolene	Benodanil
6-Mercaptourine	Aminoglutethimide	Benperidole
6-O-Monoacetylmorphine	Aminophenazone	Benproperine
7-Aminoclonazepam	Aminopromazine	Bensultap
7-Aminodesmethylflunitrazepam	Aminorex	Bentiromide
7-Aminoflunitrazepam	Amiodarone	Benzatropine
7-Aminonitrazepam	Amiphenazole	Benzocaine
9-Hydroxyrisperidone	Amisulpride	Benzoctamine
cebutolol	Amitriptylin	Benzododecinium
Aceclidine	Amlodipine	Benzoylecgonine
Aceclofenac	Ammoidin	Benzthiazuron
Acemetacin	Amorolfine	Berberine
Acepromazine	Amoxicillin	Betamethasone 21-phosphate
Aceprometazine	Amphetamine	Betaxolol
Acetiamin	Amrinone	Bevonium
Acetylaminonitroprophoxybenzene	Antazoline	Bezafibrate
Aciclovir	Apalcillin	Biperiden
Actinoquinol	Apomorphine	Bisoprolol
Adenine	Apophedrin	Bornaprine
Adrenalone	Apraclonidin	Brodifacoum
Ajmaline	Aprinidine	Bromacil
Alachlor	Atenolol	Bromazepam
Alclometasone-17,21-dipropionate	Atorvastatin	Bromocriptine
Alimemazine	Atraton	Brompheniramine
Alizapride	Atrazine-desethyl	Brotizolam
Allopurinol	Atropine	Bucetin
Almitrine	Atropinmethylbromid	Bufexamac
alpha-Hydroxyalprazolam	Azatadine	Bumetanide
alpha-Hydroxytriazolam	Azelastine	Bunazosin
Alprazolam	Azintamid	Bunitrolol
Alprenolol	Aztreonam	Bupivacaine

Bupranolol
Buprenorphine
Buprofezin
Buspirone
Butaperazine
Butetamate
Butoxycaine
Cafaminol
Caffeine
Candesartan
Caproylresorcinol
Captopril
Carazolol
Carbamazepine
Carbamazepine 10,11-epoxide
Carbendazim
Carbinoxamine
Carbutamide
Carbuterol
Carteolol
Carvedilol
Celiprolol
Cerivastatin
Cetirizine
Chinine
Chlorazanil
Chlorbenzoxamine
Chlorcyclizine
Chlordiazepoxide
Chloridazon
Chlormadinone Acetate
Chlormequat
Chlorphenethiazine
Chlorpheniramine
Chlorpromazine
Chlorpromazine Sulfoxide
Chlorprothixene
Cilastatin
Cilazapril
Cimetidine
Cinnarizine
Cinoxacin
Ciprofloxacin
Cisapride
Citalopram
Clarithromycin

Clemastine
Clenbuterol
Clobazam
Clobenzepam
Clobutinol
Clomethiazole
Clomipramine
Clonazepam
Clonidine
Clopenthixol
Clopidogrel
Cloprednol
Clozapine
Cocaine
Codeine
Coniine
Corticosterone
Cortisone
Cotinine
Coumatetralyl
Croconazole
Cromoglicic acid
Cyamemazine
Cyclicine
Cyclophosphamide
Cyclovalone
Cyproheptadine
Cytarabine
D3-Doxepin
D5-Diazepam
Dapiprazole
Deflazacort
Demeton-S-methylsulfone
Denaverine
Desalkylflurazepam
Desipramine
Desmedipham
Desmethylclobazam
Desmethylclomipramine
Dexamethasone
Dexamethasone 21-isonicotinate
Dexfenfluramine
Dextromethorphan
Dextropropoxyphene
Diaveridine
Diazepam

Dibutyl adipate
Diclofenac
Dicycloverine
Dienogest
Diethazine
Diethylcarbamazine
Difenoconazole
Difenoxuron
Diflucortolone
Dihydrocodeine
Dihydroergocristin
Dihydroergotamine
Dilazep
Diltiazem
Dimetindene
Dimetotiazine
Dimetridazole
Dioxethedrin
Diphenamid
Diphenhydramine
Diponium
Diprophylline
Dipyridamole
Disopyramide
Dixyrazine
Dobutamine
Dorzolamide
Doxapram
Doxepin
Doxylamine
Drofenine
Dummy
Ecgoninemethylester
EDDP
Embutramide
Enalapril
Enoximone
Ephedrine
Eprosartan
Esculin
Esmolol
Estazolam
Ethenzamide
Etofenamate
Etomidate
Etoposide

Famotidine	Guanabenz	Levomepromazine
Fedrilate	Guanethidine	Levopropylhexedrin
Felbamate	Guanfacine	Lidocaine
Felodipine	Guanoxan	Lisinopril
Fenarimol	Haloperidol	Lonazolac
Fendiline	Haloxyfop ethoxyethyl ester	Loperamide
Fenetylline	Heptaminol	Loratadine
Fenfluramine	Heroin	Lorazepam
Fenpipramide	Hexazinone	Lormetazepam
Fenpiprane	Hexobendine	Losartan
Fenproporex	Histamine	Loxapine
Fentanyl	Histapyrrodine	Lysergide
Fenticonazole	Homatropine	Mafenide
Fexofenadine	Hordenine	Maprotiline
Flecainide	Hydrocodone	MBDB
Flocoumafen	Hydrocortisone	Mebeverine
Floctafenine	Hydrocortisone 21-acetate	Meclizine
Fluanisone	Hydromorphone	Meclofenamic acid
Fluconazole	Hydroxyzine	Mecloxamine
Flumazenil	Hymecromone	Meclozine
Flunarizine	Imipramine	Medazepam
Flunitrazepam	Indanazoline	Mefenamic acid
Fluoxetine	Indapamine	Mefenorex
Flupentixol	Indinavir	Mefexamide
Fluphenazine	Indoprofen	Mefloquine
Flupirtine	Indoramin	Melatonin
Flurazepam	Iopodic acid	Melitracen
Flurochloridone	Ipratropium	Meloxicam
Fluspirilen	Iprazochrome	Melperone
Fluticasone Propionate	Irbesartan	Melphalan
Fluvastadine	Isoaminile	Mepindolol
Fluvoxamine	Isoconazole	Mepivacaine
Fuberidazole	Isoprenaline	Meptazinol
Furalaxyl	Isoproturon	Mequitazine
Gabapentin	Isothipendyl	Mescaline
Galantamine	Isoxicam	Mesoridazine
Gallopamil	Isoxsuprine	Mesuximide
Gemcitabine	Kavain	Metaclazepam
Glibenclamide	Ketamine	Metamfepramone
Glibornuride	Ketoprofen	Metamitron
Gliclazide	Ketorolac	Metamphetamine
Glimepiride	Ketotifen	Metazachlor
Glipizide	Lamotrigine	Metenolone acetate
Gliquidone	Lercanidipine	Metformin
Griseofulvin	Levocabastine	Methabenzthiazuron
Guaifenesin	Levodopa	Methadone

Methaphenilene
Methapyrilene
Methaqualon
Methazolamide
Methfuroxam
Methocarbamol
Methoprotryne
Methotrexate
Methylephedrine
Methylphenidate
Methylscopolamine
Methylthiouracil
Metipranolol
Metixene
Metoprolol
Metronidazole
Metsulfuron-methyl
Metyrapone
Mexiletine
Mianserin
Miconazole
Midazolam
Midodrine
Milrinone
Minoxidil
Mirtazapine
Mizolastine
Moclobemide
Modafinil
Molsidomine
Monocrotophos
Monolinuron
Moperone
Morphine
Morphine-3-ß-D-glucuronide
Moxaverine
Moxisylyte
Moxonidine
Nabumetone
Nadolol
Naftidrofuryl
Naftifine
Nalidixic acid
Nalorphine
Naloxone
Naltrexone

Nandrolone
Naphazoline
N-Despropylpropafenone
Nebivolol
Nefopam
Nicardipine
Nicotinamide
Nicotine
Nifedipine
Nifenazone
Niflumic acid
Nimodipine
Nimorazole
Nisoldipine
N-Isopropylsalicylamide
Nitrazepam
Nitrendipine
Nizatidine
N-Methylephedrine
Nomifensine
Norbuprenorphine
Nordiazepam
Nordiazepam N-ethyl
Norephedrine
Norethisterone
Norethisterone acetate
Norfenefrine
Norfentanyl
Norfloxacin
Normorphine
Nortriptyline
Noscapine
Nuarimol
Obidoxime
Ofloxacin
Olanzapine
Ondansetron
Opipramol
Orciprenaline
Ornidazole
Orphenadrine
Oxadixyl
Oxamyl
Oxatomide
Oxazepam
Oxcarbazepine

Oxeladin
Oxetacaine
Oxiconazole
Oxilofrine
Oxitriptan
Oxitropium
Oxomemazine
Oxprenolol
Oxybuprocaine
Oxybutynin
Oxycodone
Oxyfedrine
Oxymetazoline
Oxymorphon
Oxypertine
Papaverine
Paracetamol
Paraoxon
Paroxetine
Penfluridol
Pentamidine
Pentoxyverine
Perazine
Periciazine
Perindopril
Perphenazine
Pethidine
Phenacetin
Phenazone
Phenazopyridine
Phencyclidine
Phenelzine
Pheniramine
Phenprocoumon
Phenylephrine
Phenyltoloxamine
Phenytoin
Pholedrine
Physostigmine
Pilocarpine
Pindolol
Pioglitazone
Pipamperone
Pirbuterol
Pirenzepine
Piretanide

Piritramide	Reproterol	Tertalolol
Piroxicam	Reserpine	Tetracaine
Pizotifen	Riluzole	Tetrazepam
Practolol	Risperidone	Tetroxoprim
Prajmalium	Ritodrine	Tetryzoline
Pramipexole	Rizatriptan	THC
Prazepam	Ropinirole	THC-COOH
Prazosin	Ropivacaine	THC-OH
Prednisolone	Rosiglitazon	Thebacon
Prednisone	Salbutamol	Theobromine
Prilocaine	Salicylamide	Theophylline
Primaquine	Scopolamine	Thiabendazole
Primidone	Serotonin	Thiamazole
Procainamide	Sertindole	Thiamine
Prochlorperazine	Sertraline	Thiopropazate
Procyclidine	Sildenafil	Thioproperazine
Progesterone	Simazine	Thioridazine
Promazine	Sotalol	Thiram
Promethazin	Spirapril	Tiagabine
Prometryn	Stanozolol	Tiapride
Propafenone	Sulfabenzamide	Ticlopidine
Propiconazole	Sulfadiazine	Tiemonium
Propionylpromazine	Sulfadoxine	Tilidine
Propipocaine	Sulfaethidole	Timolol
Propiverine	Sulfaguanidine	Tinidazole
Propranolol	Sulfamethizole	Tizanidine
Propyphenazone	Sulfamethoxazole	Tocainide
Prothiopendyl	Sulfapyridine	Tolazoline
Protriptyline	Sulfaquinoxaline	Tolbutamide
Pseudoephedrine	Sulindac	Toliprolol
Psilocin	Sulpiride	Tolnaftate
Pyranocoumarin	Sultiame	Tolpropamine
Pyribenzamine	Sumatriptan	Tolycaine
Pyridoxine	Suxibuzone	Topotecan
Pyrimethamine	Tadalafil	Torasemide
Pyritinol	Talinolol	Tramadol
Pyrvinium	Tamoxifen	Tranexamic acid
Quetiapine	Telmisartan	Trazodone
Quinapril	Temazepam	Triadimenol
Quinine	Tenocixam	Triallate
Ramipril	Terazosine	Triamterene
Ranitidine	Terbinafine	Triazolam
Raubasine	Terbutaline	Trifluperazine
Reboxetine	Terbutryn	Trifluperidol
Remoxipride	Terconazole	Triflupromazine
Repaglinide	Terfenadine	Trimethobenzamide

Trimethoprim
Trimipramine
Tripelennamine
Triprolidine
Tritoqualine
Tromantadine
Tropisetron
Trospium
Tryptamine

Tulobuterol
Urapidil
Valdecoxib
Valsartan
Vardenafil
Venlafaxine
Verapamil
Vincamine
Warfarin

Xantinol
Xipamide
Xylometazoline
Yohimbine
Zolpidem
Zopiclone
Zuclopenthixol

MODALITA' NEGATIVA:

2-Amino-5-nitrobenzophenone
4-Benzamidosalicyclic acid
5-(p-Methylphenyl)-phenylhydantoin
5-Aminosalicylic acid
6-Mercaptourine
Acetazolamide
Acetylsalicylic Acid
Adenine
Adenosine
Adrenalone
Alprostadil
Amobarbital
Amoxicillin
Atorvastatin

Azelaic Acid
Aztreonam
Benserazid
Benzthiazide
Bezafibrate
Brallobarbital
Carbenoxolone
Chlorothiazide
Cimetidine
Cinchonine
Cortisone
Dinoprost
Epinephrine
Ethyl glucuronide
Ethyl glucuronide-D5

Ethyl sulfate
Ethyl sulfate-D5
Furosemid
Hydrochlorothiazide
Morphin-3ßD-glucuronide-D3
Pentobarbital
Phenobarbital
Propallylonal
THC-COOH
THC-OH
Triamcinolone

SCREENING TOSSICOLOGICO RAPIDO – Codice SC9005B

CARATTERISTICHE DEL METODO

Principio del Metodo:

Dopo aver ottimizzato i tempi di ritenzione degli analiti mediante l'iniezione dello Standard Mix nella Liquido Massa, sarà possibile iniettare il campione di plasma /sangue deproteinizzato per determinare le molecole di intossicazione incognite.

Contenuto della confezione (500 test) : Tutti i reagenti sono pronti all'uso e stabili 3 anni a 2–8 °C.

Reagente A – Soluzione Deproteinizzante con Standard Interno, **1 x 150 ml**

Reagente E – Soluzione Stabilizzante, **1 x 25 ml**

Reagente F – Soluzione Standard mix, **1 x 3 ml**

Reagente M1 – Fase Mobile M1, **20 x 500 ml**

Reagente M2 – Fase Mobile M2, **20 x 500 ml**

Dotazione strumentale minima richiesta :

Strumento API 3200 QTRAP®
Strumento API 4000 – 4500 QTRAP®
Strumento API 5500 QTRAP®
Computer gestionale

Dotazione opzionale :

Autocampionatore

Modalità per il prelievo ematico :

Provetta con anticoagulante EDTA
Stabile per circa 4 settimane a 2 – 8 °C o 4 mesi a –20°C.

EUREKA S.R.L. LAB DIVISION
Via M. D'Antona 28
60033 Chiaravalle (AN) - Italy
Tel. +39 071 7450790
eureka-support@sentinel.it
www.eurekakit.com

CE

Questo prodotto adempie a tutte le esigenze della Direttiva 98/79/CE sui dispositivi medico-diagnostici in vitro (IVD). La dichiarazione di conformità CE è disponibile su richiesta.

FASE PREANALITICA

PREPARAZIONE DELLO STANDARD MIX PER LA PREPARAZIONE DEL SISTEMA:

1) diluire 1 a 10 in Metanolo il **Reagente F –** Soluzione Standard mix.

2) Preparare le seguenti diluizioni utilizzando il **Reagente M1** – Fase Mobile M1.

- Per API 3200 QTRAP® systems: aggiungere 100 ul della soluzione diluita al punto 1 ed aggiungere 900 µL di **Reagente M1** – Fase Mobile M1
- Per API 4000 - 4500 QTRAP® systems: aggiungere 10 ul della soluzione diluita al punto 1 ed aggiungere 90 ul di Metanolo e 900 µL di **Reagente M1** – Fase Mobile M1
- API 5500 QTRAP® systems: aggiungere 2 ul della soluzione diluita al punto 1 ed aggiungere 98 ul di Metanolo e 900 µL di **Reagente M1** – Fase Mobile M1

INIEZIONE :

- Iniettare 10 - 30 ul

Questo standard va iniettato all'inizio di ogni seduta come System Suitability Test per verificare le performance strumentali e cromatografiche**.**

PROCEDURA ANALITICA

PREPARAZIONE DEI CAMPIONI DI PLASMA/SANGUE

FASE 1 : In eppendorf dispensare in sequenza:

- 100 ul di CAMPIONE + 300 ul di **Reagente A** – Soluzione Deproteinizzante con Standard Interno

FASE 2 : centrifugare a 10.000 rpm per 10 minuti

FASE 3 : diluire 100 ul di surnatante con 100 ul di **Reagente E –** Soluzione Stabilizzante

INIEZIONE :

- Iniettare 30 ul

SCREENING TOSSICOLOGICO RAPIDO – Avvertenze

(QUESTO KIT E' STATO SVILUPPATO SUL SISTEMA LC/MS SCIEX CON CONFIGURAZIONE Q-TRAP)

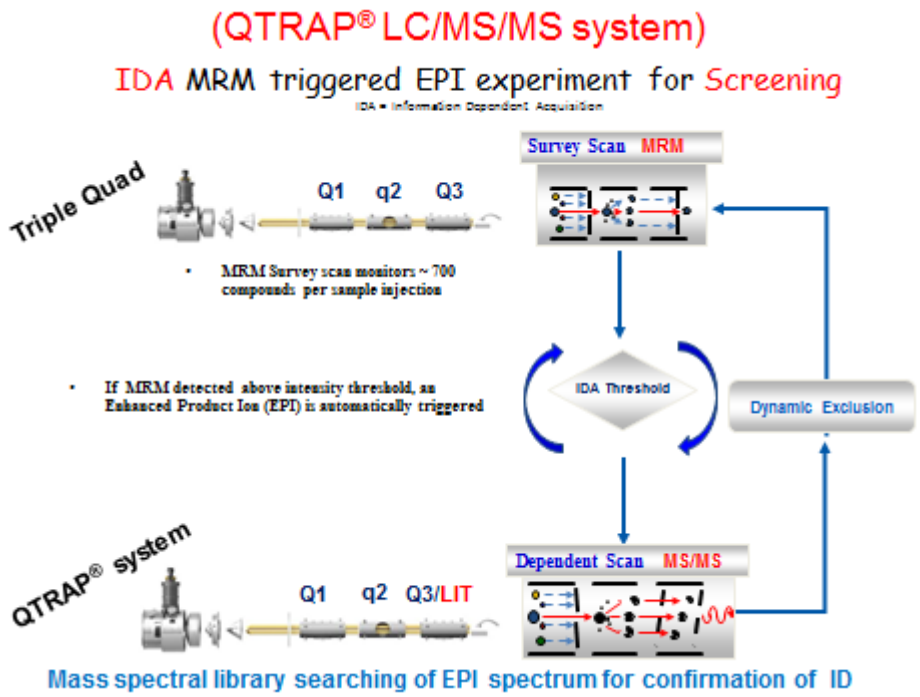
CONDIZIONI STRUMENTALI:
Gradiente cromatografico

Gradient Profile Time (min)	Flow Rate (µL/min)	A (%)	B (%)
0.00	500	90	10
10.00	1000	10	90
15.00	1000	10	90
15.50	500	90	10
18.00	500	90	10

Flow rate: 0.5 mL/min
Column oven temperature: 40°C

Separation Column

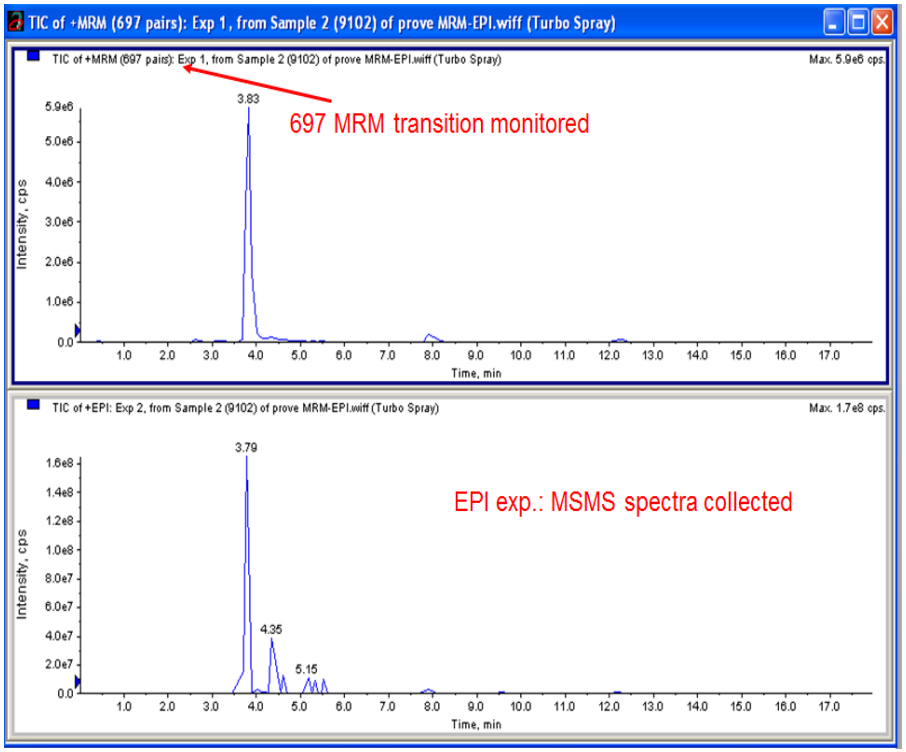
Drug Screen and Quant Analytical Column, 5 µm 60 Å, PFP Propyl Column, 50 x 2.1 mm (P/N 9169552)

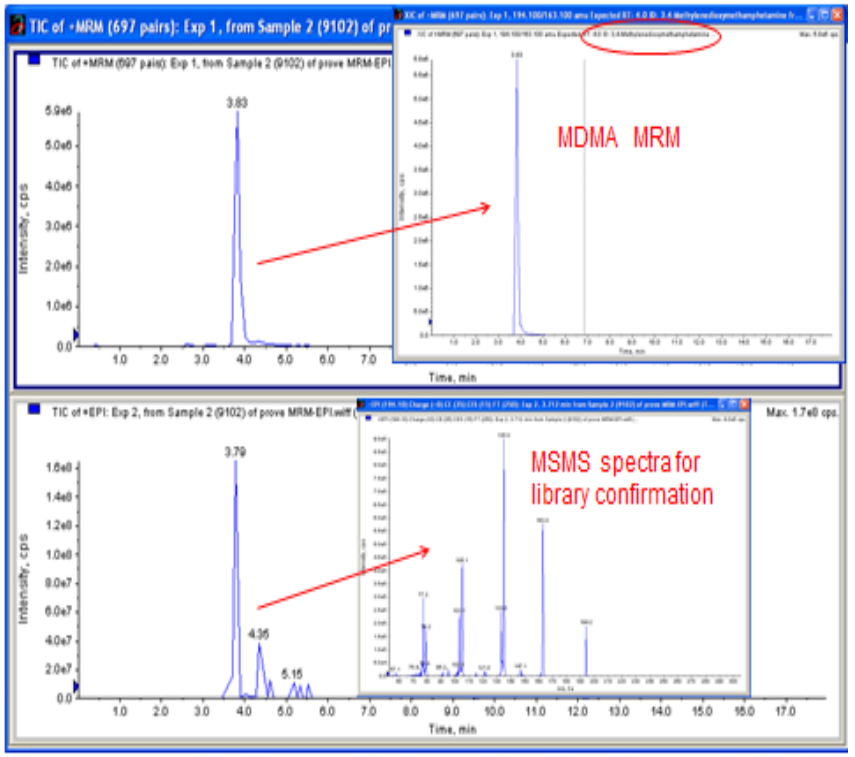


CODICE	DESCRIZIONE ACCESSORI	CONFEZIONE
9169552	Drug Screen and Quant Analytical Column, 5 µm 60 Å, PFP Propyl Column, 50 x 2.1 mm	1 PZ
SK9001	PEEK Tubing O.D. × I.D. 1/16 in. × 0.005 in., red PEEK Tubing O.D. × I.D. 1/16 in. × 0.010 in., blue Peek fitting One-piece fingertight F130-X	1 Cf
S90199511	Prefiltri Javelin	1 x 10 PZ

SCREENING TOSSICOLOGICO RAPIDO

(Cromatogrammi/Spettri di Riferimento)





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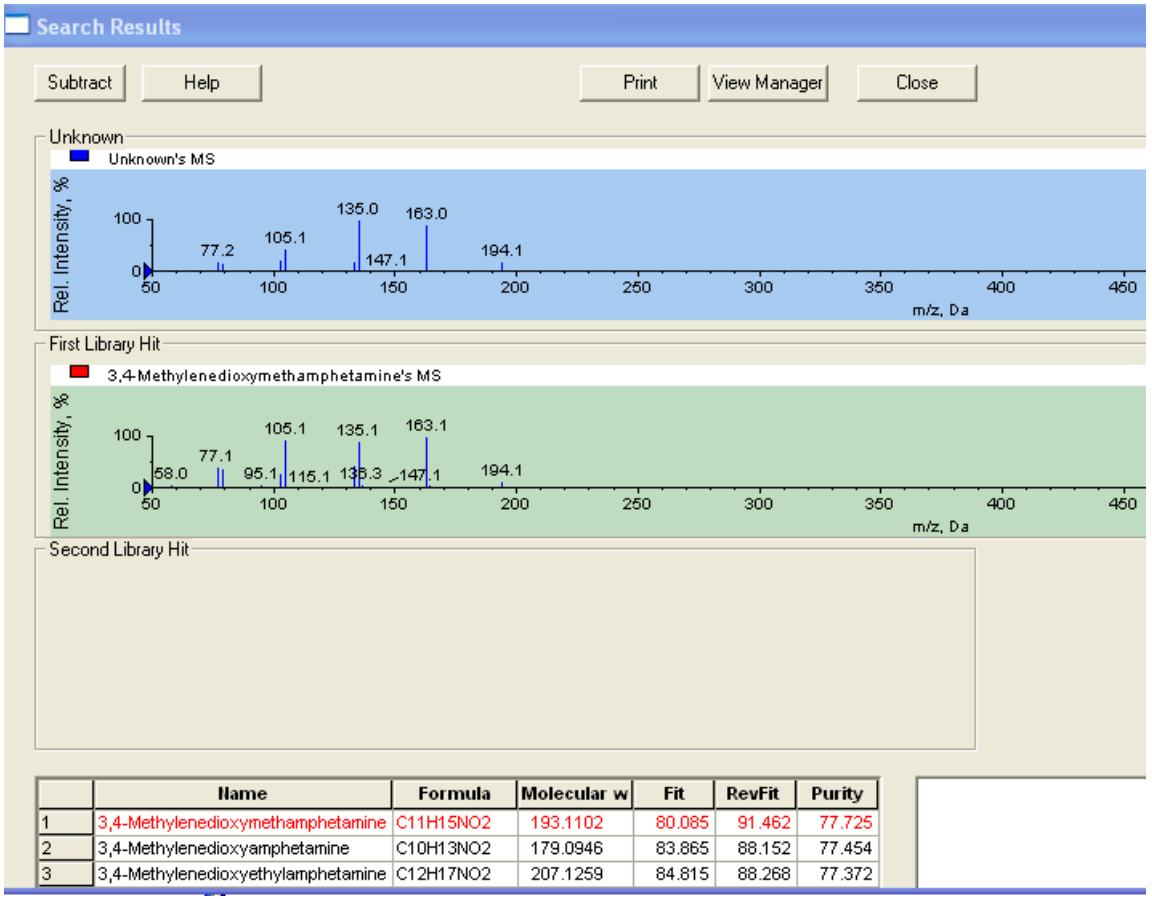
(Cromatogrammi/Spettri di Riferimento)



	Name	Formula	Molecular w	Fit	RevFit	Purity
1	3,4-Methylenedioxymethamphetamine	C11H15NO2	193.1102	80.085	91.462	77.725
2	3,4-Methylenedioxyamphetamine	C10H13NO2	179.0946	83.865	88.152	77.454
3	3,4-Methylenedioxyethylamphetamine	C12H17NO2	207.1259	84.815	88.268	77.372