

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
 Data File : BM000577.D
 Acq On : 21 Feb 2015 02:48
 Operator : TP/IZ
 Sample : MDL-01-S-ML
 Misc : MDL-SOIL-3PPM-SOM0-ML
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S-ML

Quant Time: Feb 21 03:38:28 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-MA-BM022015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 21 03:20:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	99220	20.00	ng/ul	0.00
16) Naphthalene-d8	10.46	136	421294	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.32	164	257679	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.07	188	547334	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	483163	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	401436	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.85	99	334508	46.31	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.01	67	216928	50.82	ng/ul	0.00
7) 2-Chlorophenol-d4	7.20	132	292188	47.55	ng/ul	0.00
11) 4-Methylphenol-d8	8.38	113	287882	47.02	ng/ul	0.00
17) Nitrobenzene-d5	8.83	128	144649	51.17	ng/ul	0.00
20) 2-Nitrophenol-d4	9.55	143	172221	52.62	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.08	165	314595	45.37	ng/ul	0.00
27) 4-Chloroaniline-d4	10.60	131	434685	70.28	ng/ul	0.00
41) Dimethylphthalate-d6	13.74	166	988659	53.01	ng/ul	0.00
44) Acenaphthylene-d8	14.02	160	1239815	49.62	ng/ul	0.00
49) 4-Nitrophenol-d4	14.53	143	140757	47.20	ng/ul	0.00
55) Fluorene-d10	15.32	176	888164	48.73	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.44	200	129421	40.69	ng/ul	0.00
68) Anthracene-d10	17.17	188	1306099	50.45	ng/ul	0.00
76) Pyrene-d10	19.46	212	1338036	47.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	971940	51.64	ng/ul	0.00

Target Compounds

						Qvalue
6) Bis(2-Chloroethyl)ether	7.10	93	1141	0.20	ng/ul#	71
10) 2,2'-oxybis(1-Chloropropan	8.38	45	2459	0.20	ng/ul#	77
13) N-Nitroso-di-n-propylamine	8.38	70	8211	1.75	ng/ul#	1
18) Nitrobenzene	8.83	77	1490	0.21	ng/ul#	41
19) Isophorone	9.55	82	19056	1.52	ng/ul#	69
26) Naphthalene	10.59	128	232	0.01	ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.50	216	267	0.03	ng/ul#	26
42) Dimethylphthalate	13.73	163	602	0.03	ng/ul#	1
43) 2,6-Dinitrotoluene	13.74	165	7665	2.11	ng/ul#	35
50) 4-Nitrophenol	14.64	109	2026	0.64	ng/ul#	1
56) Fluorene	15.32	166	2291	0.12	ng/ul#	3
58) 4-Nitroaniline	15.32	138	401	0.12	ng/ul#	1
61) 4,6-Dinitro-2-methylphenol	15.44	198	295	0.09	ng/ul#	1
62) N-Nitrosodiphenylamine	15.44	169	981	0.06	ng/ul#	36
69) Anthracene	17.17	178	262	0.01	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.12	216	26563	3.28	ng/uL	95
71) Pentachlorobenzene	14.64	250	50014	6.44	ng/uL	96
77) Pyrene	19.47	202	1460	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.44	149	241	0.02	ng/ul#	25
80) Benzo(a)anthracene	21.26	228	1004	0.04	ng/ul#	55
81) Bis(2-ethylhexyl)phthalate	21.18	149	437	0.03	ng/ul#	50
82) Chrysene	21.26	228	1004	0.04	ng/ul#	53
84) Di-n-octyl phthalate	22.05	149	192	0.01	ng/ul	100
88) Benzo(a)pyrene	23.33	252	3586	0.16	ng/ul#	17

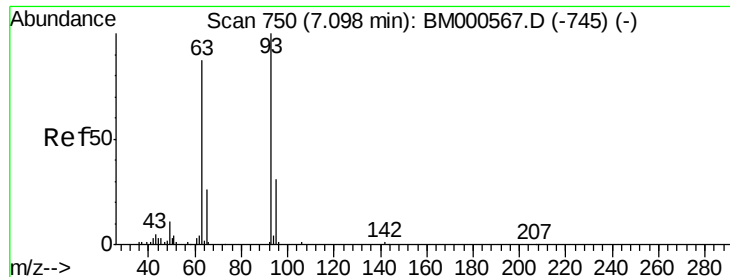
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
Data File : BM000577.D
Acq On : 21 Feb 2015 02:48
Operator : TP/IZ
Sample : MDL-01-S-ML
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 21 03:20:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Bis(2-Chloroethyl)ether

Concen: 0.20 ng/ul

RT: 7.10 min Scan# 751

Delta R.T. 0.01 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

Instrument :

BNA_M

ClientSampleId :

MDL-01-S-ML

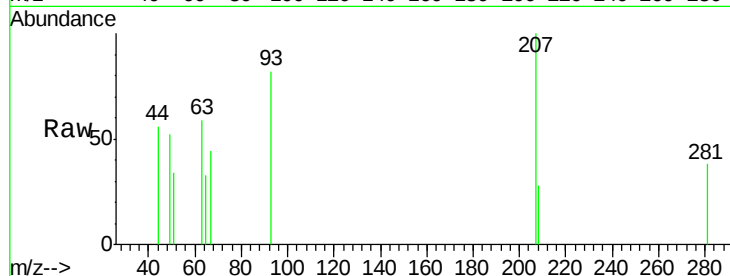
Tgt Ion: 93 Resp: 1141

Ion Ratio Lower Upper

93 100

63 71.7 71.2 106.8

95 0.0 26.1 39.1#

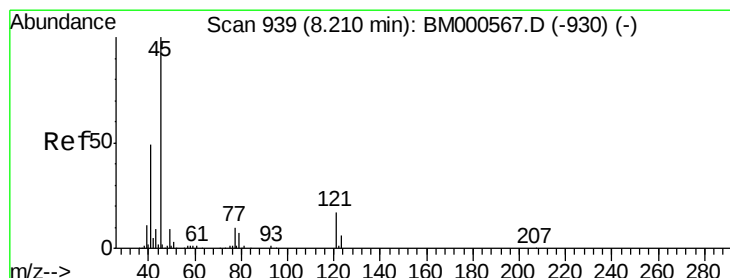
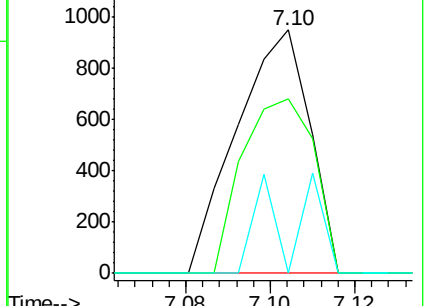
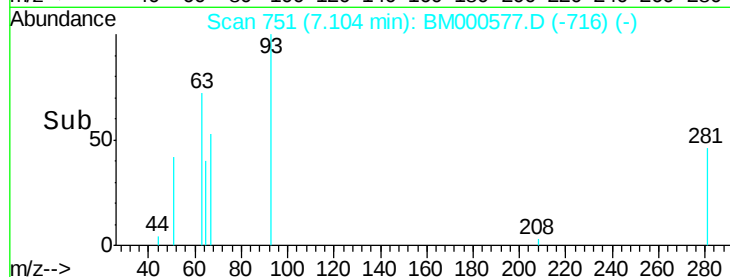


Abundance Ion 93.00 (92.70 to 93.70): BM000567.D (-745) (-)

Ion 63.00 (62.70 to 63.70): BM000567.D (-745) (-)

Ion 95.00 (94.70 to 95.70): BM000567.D (-745) (-)

Time-->



#10

2,2'-oxybis(1-Chloropropane)

Concen: 0.20 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. 0.17 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

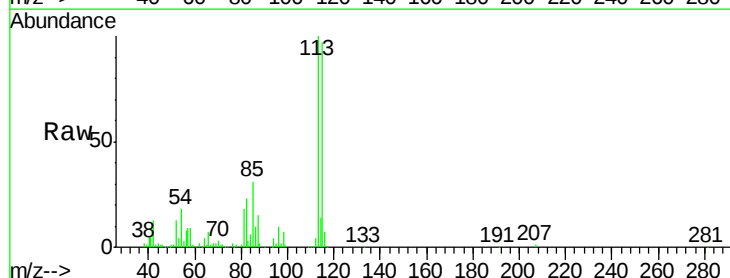
Tgt Ion: 45 Resp: 2459

Ion Ratio Lower Upper

45 100

77 19.3 8.2 12.2#

79 0.0 5.8 8.6#

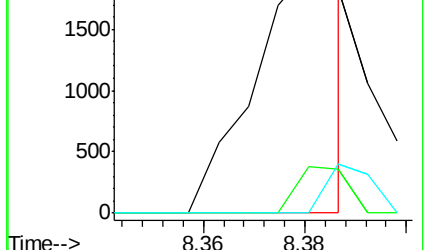
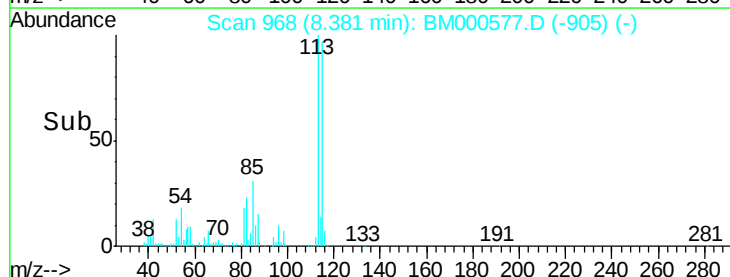


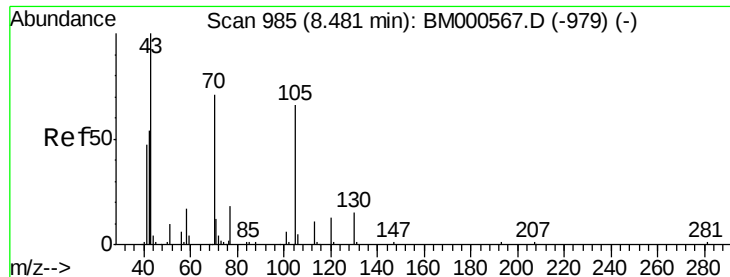
Abundance Ion 45.00 (44.70 to 45.70): BM000567.D (-930) (-)

Ion 77.00 (76.70 to 77.70): BM000567.D (-930) (-)

Ion 79.00 (78.70 to 79.70): BM000567.D (-930) (-)

Time-->

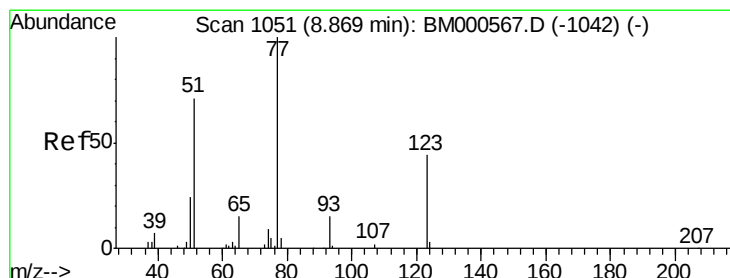
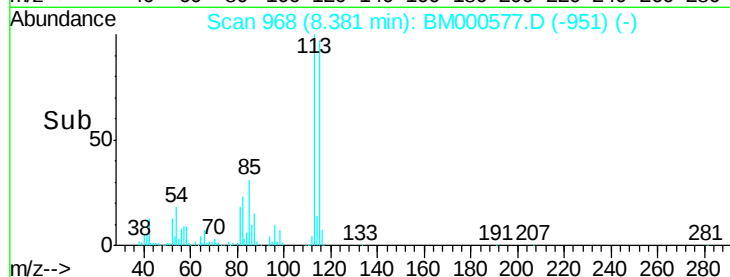
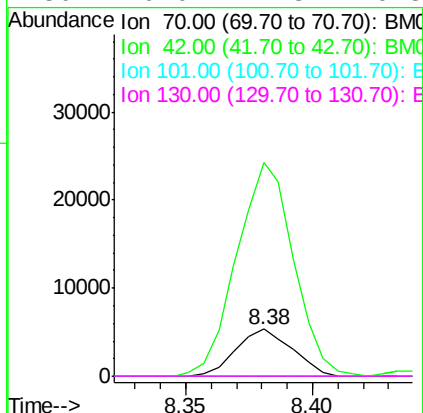
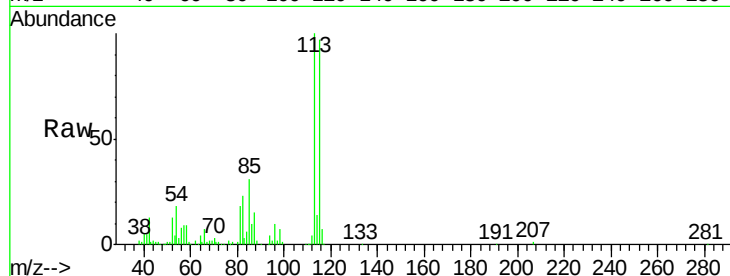




#13
N-Nitroso-di-n-propylamine
Concen: 1.75 ng/ul
RT: 8.38 min Scan# 968
Delta R.T. -0.10 min
Lab File: BM000577.D
Acq: 21 Feb 2015 02:48

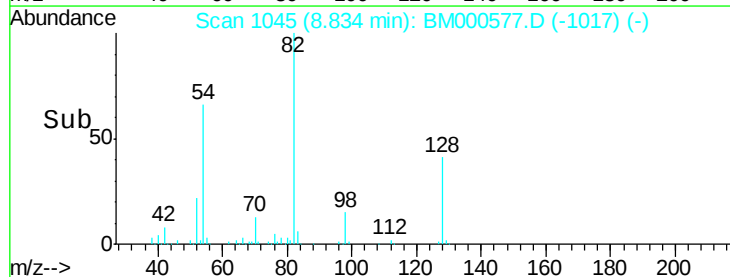
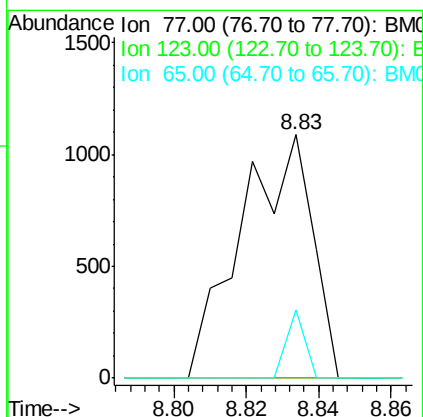
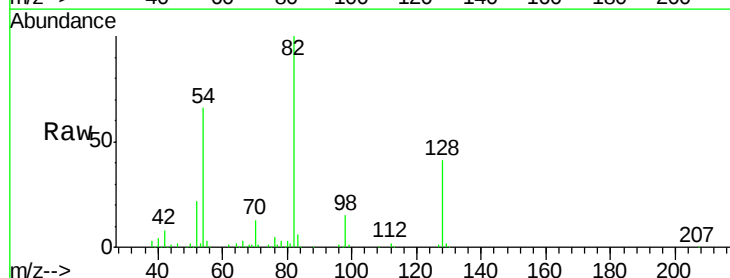
Instrument :
BNA_M
ClientSampleId :
MDL-01-S-ML

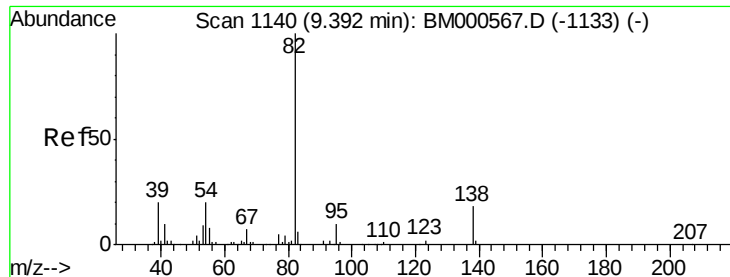
Tgt Ion: 70 Resp: 8211
Ion Ratio Lower Upper
70 100
42 453.1 63.3 94.9#
101 0.0 8.2 12.4#
130 0.0 17.8 26.8#



#18
Nitrobenzene
Concen: 0.21 ng/ul
RT: 8.83 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BM000577.D
Acq: 21 Feb 2015 02:48

Tgt Ion: 77 Resp: 1490
Ion Ratio Lower Upper
77 100
123 0.0 35.7 53.5#
65 27.9 12.3 18.5#





#19

Isophorone

Concen: 1.52 ng/ul

RT: 9.55 min Scan# 1166

Delta R.T. 0.15 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

Instrument :

BNA_M

ClientSampleId :

MDL-01-S-ML

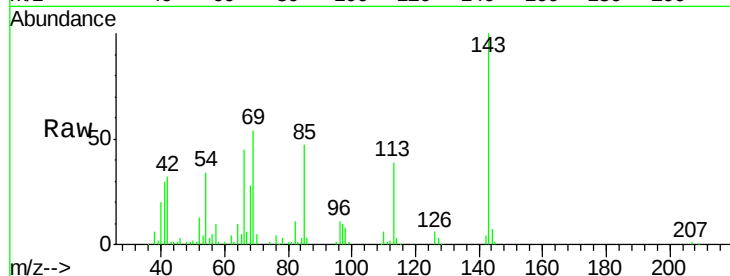
Tgt Ion: 82 Resp: 19056

Ion Ratio Lower Upper

82 100

95 10.8 7.0 10.4#

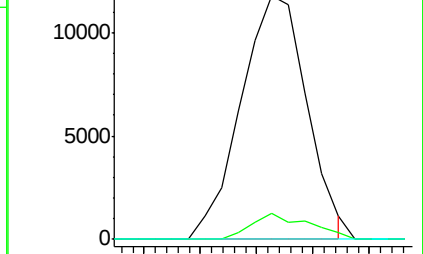
138 0.0 15.1 22.7#



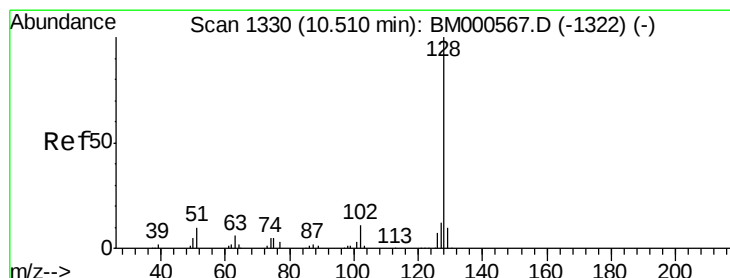
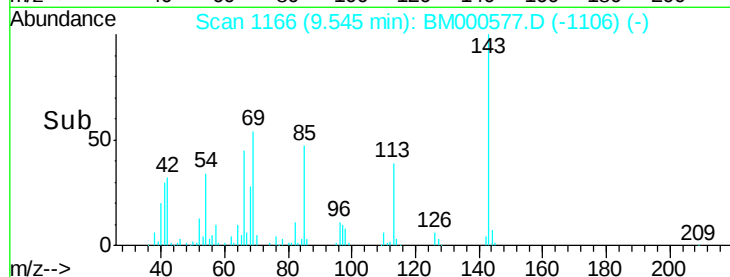
Abundance Ion 82.00 (81.70 to 82.70): BM000567.D (-1133) (-)

Ion 95.00 (94.70 to 95.70): BM000567.D (-1133) (-)

Ion 138.00 (137.70 to 138.70): BM000567.D (-1133) (-)



Time-->



#26

Naphthalene

Concen: 0.01 ng/ul

RT: 10.59 min Scan# 1344

Delta R.T. 0.08 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

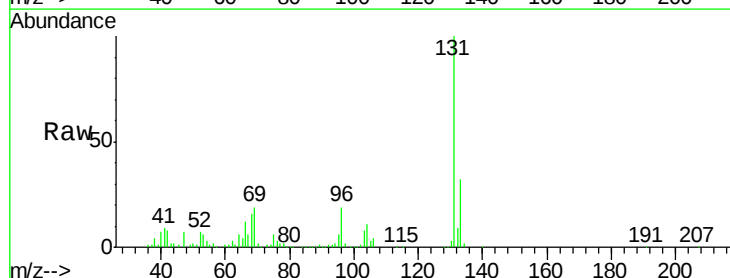
Tgt Ion: 128 Resp: 232

Ion Ratio Lower Upper

128 100

129 300.0 8.8 13.2#

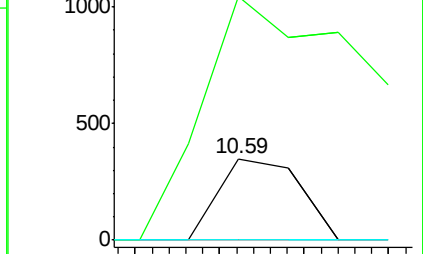
127 0.0 10.4 15.6#



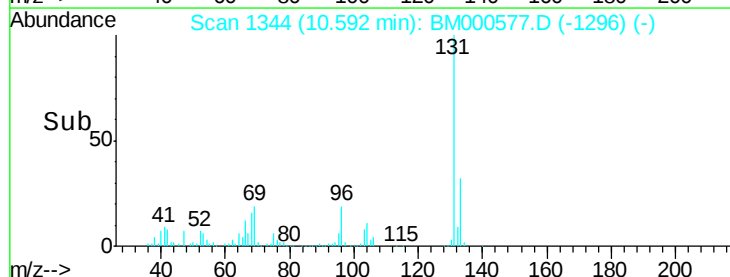
Abundance Ion 128.00 (127.70 to 128.70): BM000567.D (-1322) (-)

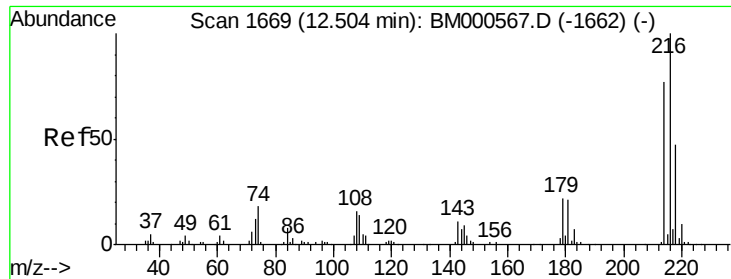
Ion 129.00 (128.70 to 129.70): BM000567.D (-1322) (-)

Ion 127.00 (126.70 to 127.70): BM000567.D (-1322) (-)



Time-->

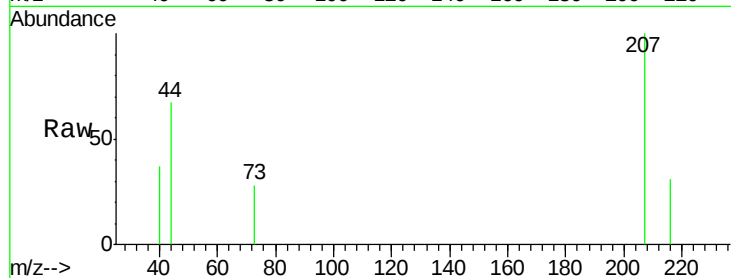




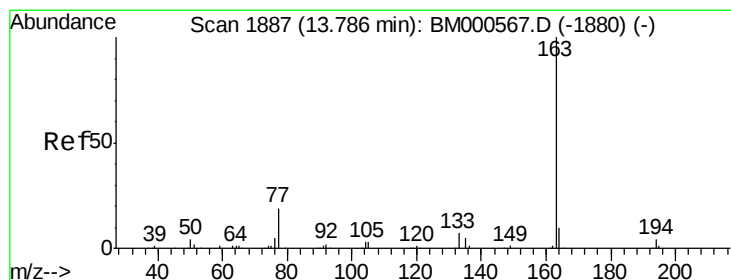
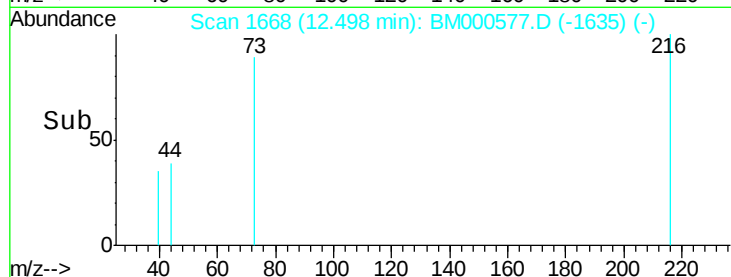
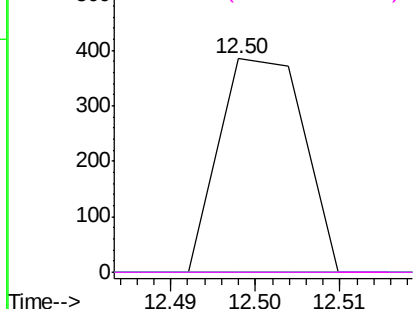
#34
1,2,4,5-Tetrachlorobenzene
Concen: 0.03 ng/ul
RT: 12.50 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BM000577.D
Acq: 21 Feb 2015 02:48

Instrument :
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MDL-01-S-ML

Tgt Ion:216 Resp: 267
Ion Ratio Lower Upper
216 100
214 0.0 62.6 94.0#
179 0.0 16.4 24.6#
108 0.0 14.0 21.0#

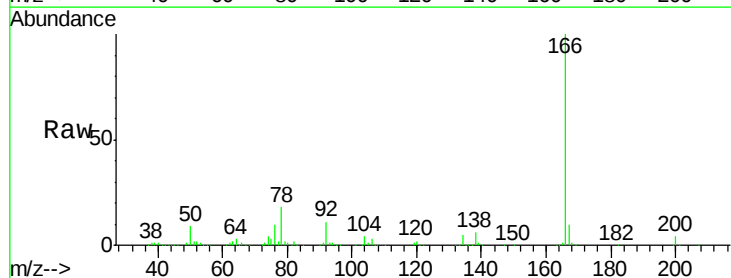


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

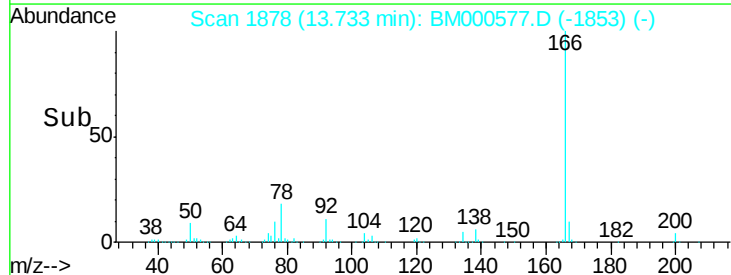
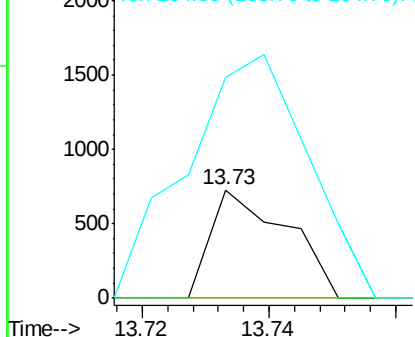


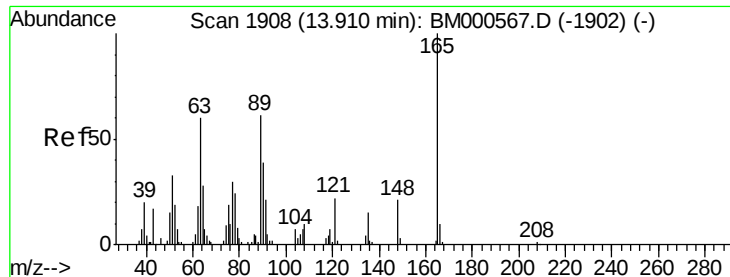
#42
Dimethylphthalate
Concen: 0.03 ng/ul
RT: 13.73 min Scan# 1878
Delta R.T. -0.05 min
Lab File: BM000577.D
Acq: 21 Feb 2015 02:48

Tgt Ion:163 Resp: 602
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 203.3 7.9 11.9#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#43

2,6-Dinitrotoluene

Concen: 2.11 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. -0.17 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

Instrument :

BNA_M

ClientSampleId :

MDL-01-S-ML

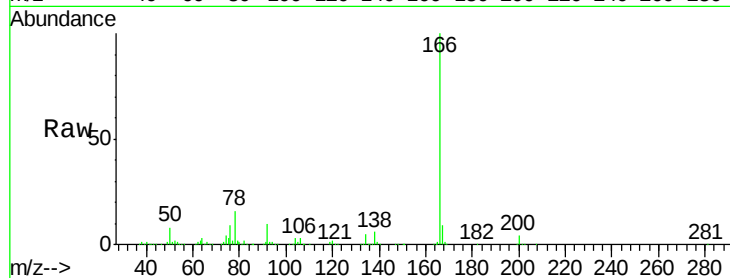
Tgt Ion:165 Resp: 7665

Ion Ratio Lower Upper

165 100

89 0.0 47.8 71.8#

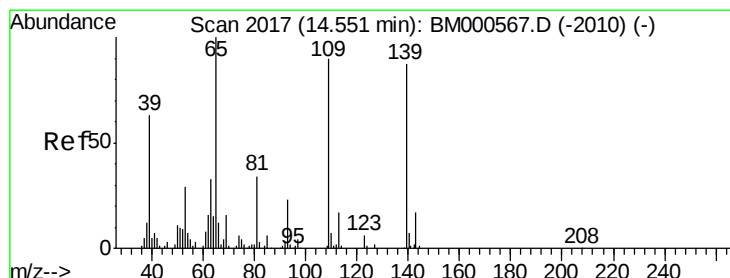
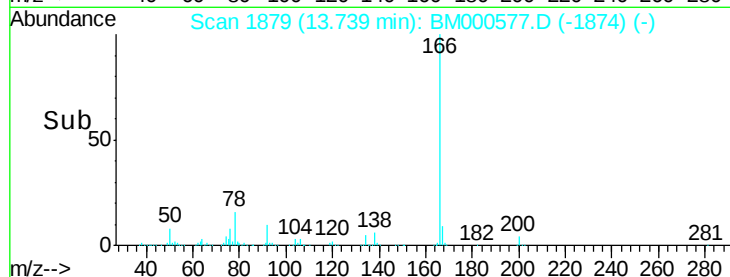
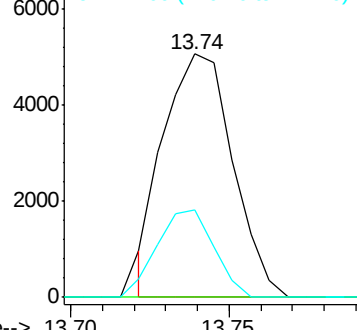
121 36.2 18.1 27.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E



#50

4-Nitrophenol

Concen: 0.64 ng/ul

RT: 14.64 min Scan# 2032

Delta R.T. 0.09 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

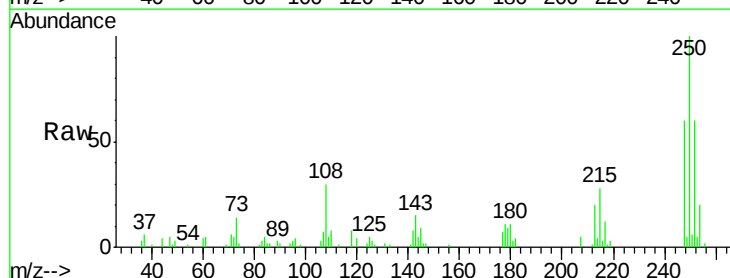
Tgt Ion:109 Resp: 2026

Ion Ratio Lower Upper

109 100

139 0.0 78.2 117.4#

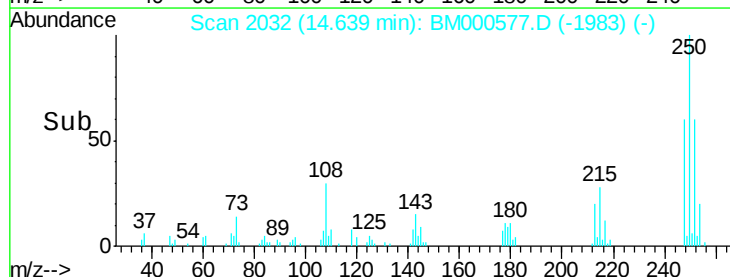
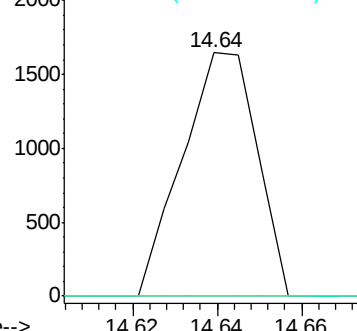
65 0.0 93.7 140.5#

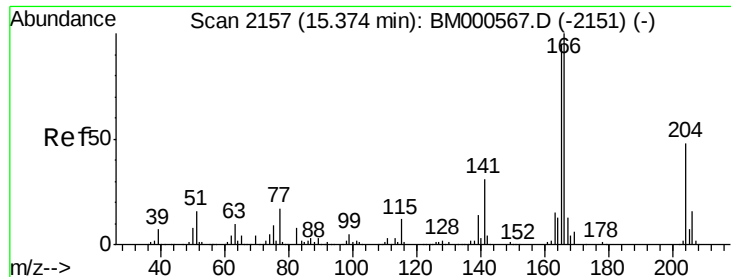


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

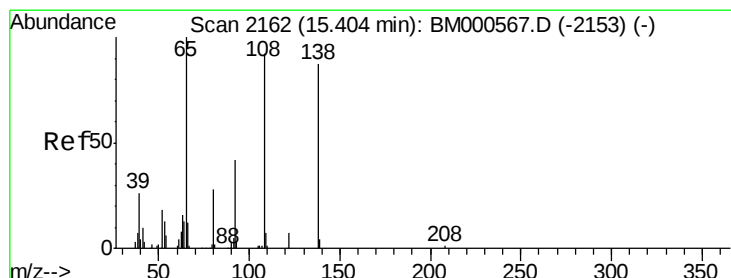
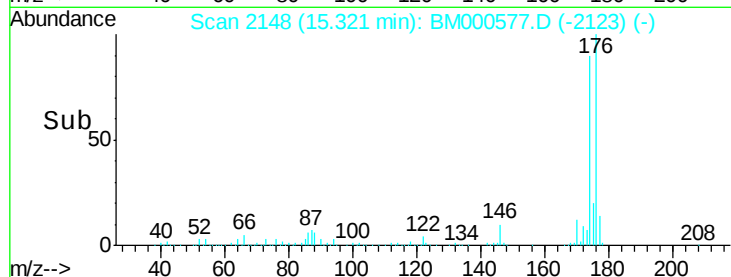
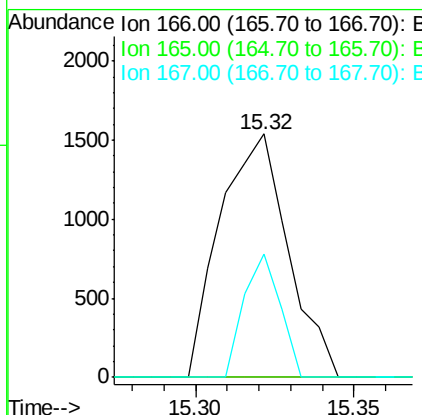
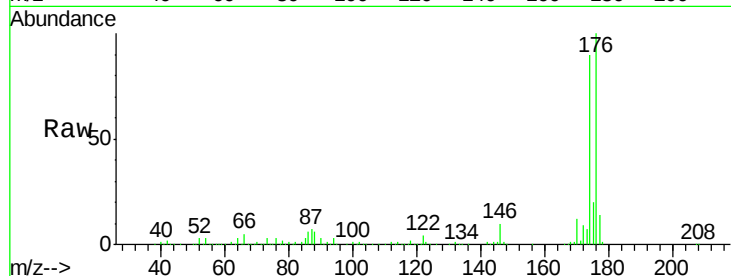




#56
 Fluorene
 Concen: 0.12 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.05 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

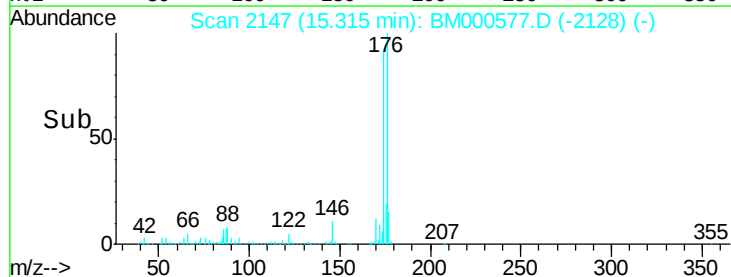
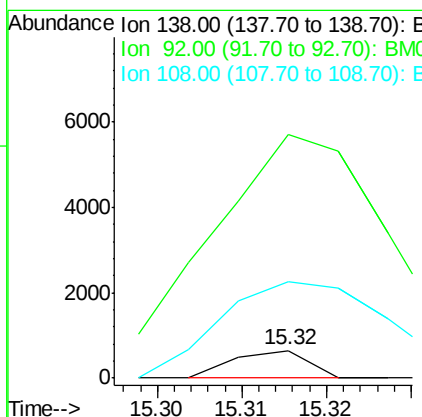
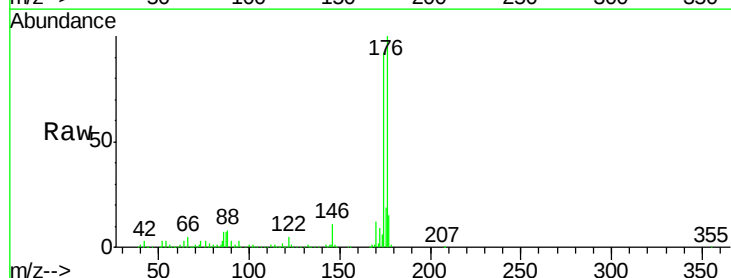
Instrument :
 BNA_M
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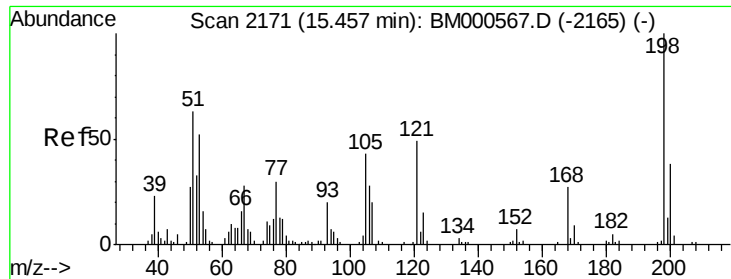
Tgt Ion:166 Resp: 2291
 Ion Ratio Lower Upper
 166 100
 165 0.0 74.4 111.6#
 167 50.6 10.2 15.4#



#58
 4-Nitroaniline
 Concen: 0.12 ng/ul
 RT: 15.32 min Scan# 2147
 Delta R.T. -0.09 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Tgt Ion:138 Resp: 401
 Ion Ratio Lower Upper
 138 100
 92 878.5 42.2 63.2#
 108 349.4 83.5 125.3#

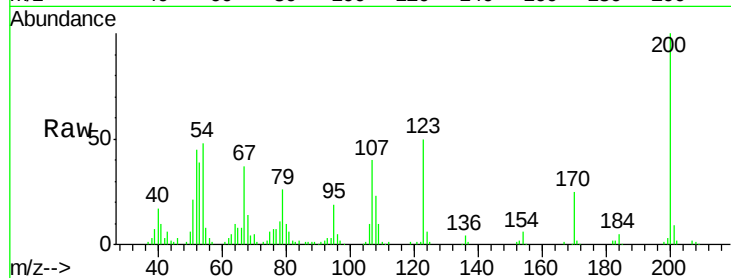




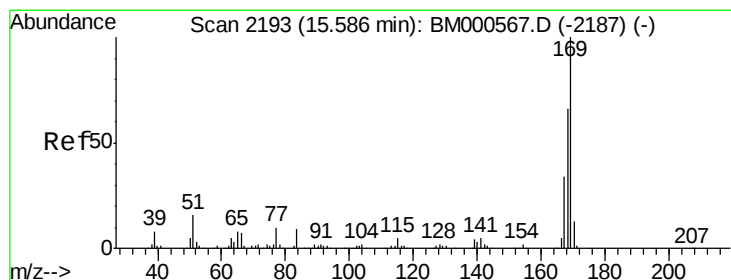
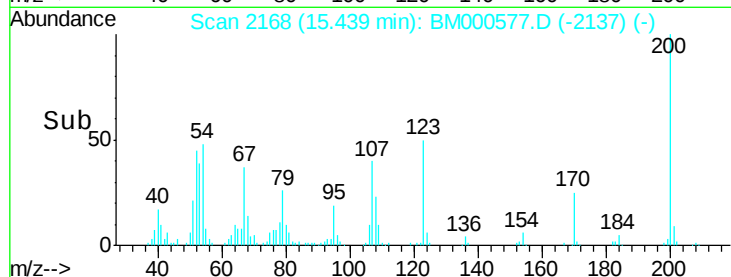
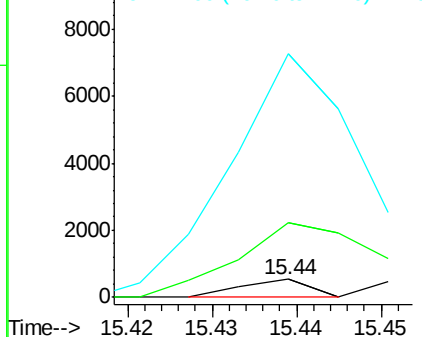
#61
 4,6-Dinitro-2-methylphenol
 Concen: 0.09 ng/ul
 RT: 15.44 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S-ML

Tgt Ion:198 Resp: 295
 Ion Ratio Lower Upper
 198 100
 182 417.0 3.2 4.8#
 77 1355.0 22.2 33.2#

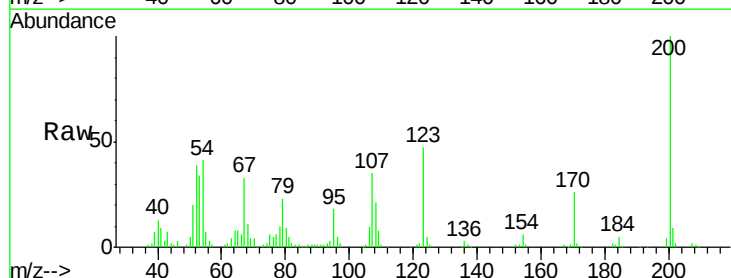


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

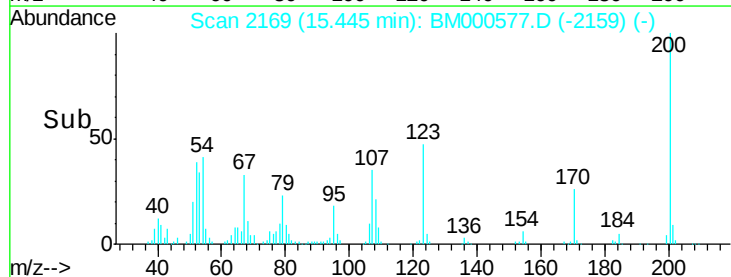
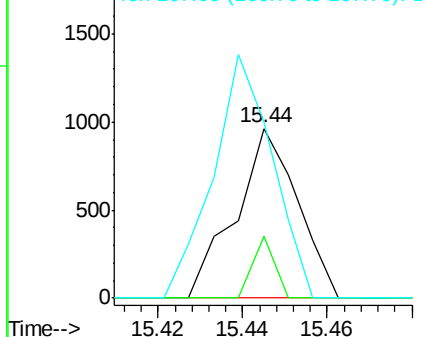


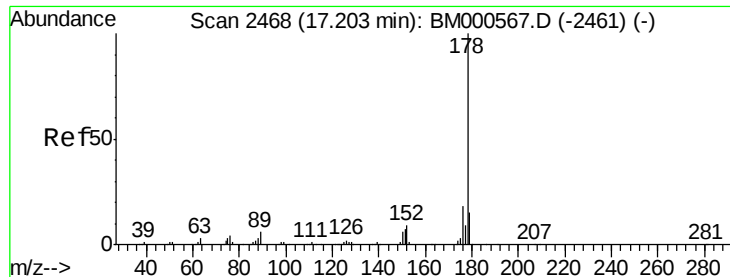
#62
 N-Nitrosodiphenylamine
 Concen: 0.06 ng/ul
 RT: 15.44 min Scan# 2169
 Delta R.T. -0.14 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Tgt Ion:169 Resp: 981
 Ion Ratio Lower Upper
 169 100
 168 36.8 53.3 79.9#
 167 103.4 29.4 44.2#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E





#69

Anthracene

Concen: 0.01 ng/uL

RT: 17.17 min Scan# 2462

Delta R.T. -0.04 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

Instrument :

BNA_M

ClientSampleId :

MDL-01-S-ML

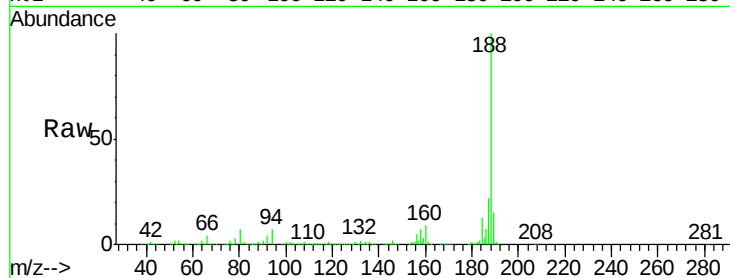
Tgt Ion:178 Resp: 262

Ion Ratio Lower Upper

178 100

179 235.8 12.2 18.4#

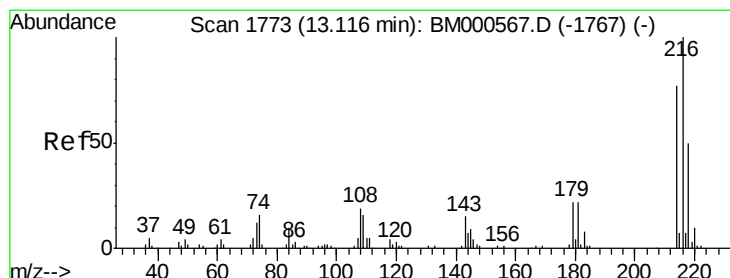
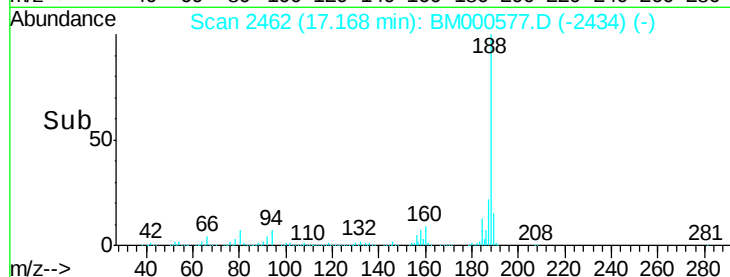
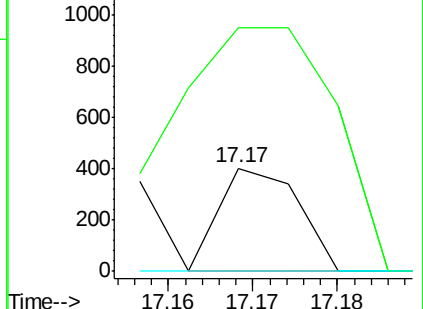
176 0.0 15.0 22.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#70

1,2,3,4-Tetrachlorobenzene

Concen: 3.28 ng/uL

RT: 13.12 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

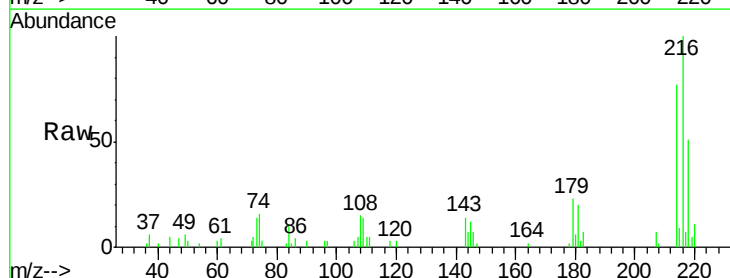
Tgt Ion:216 Resp: 26563

Ion Ratio Lower Upper

216 100

214 77.2 59.1 88.7

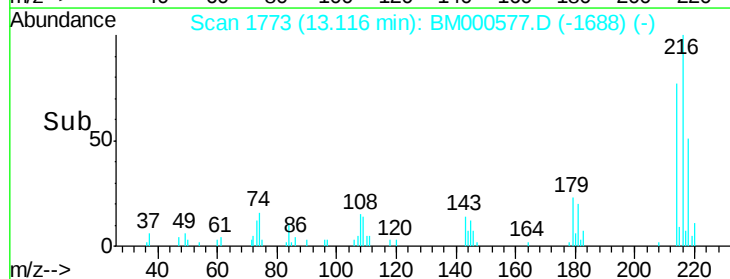
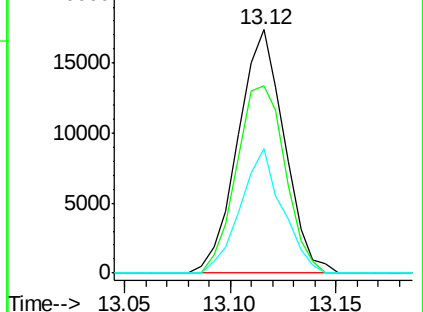
218 50.9 37.6 56.4

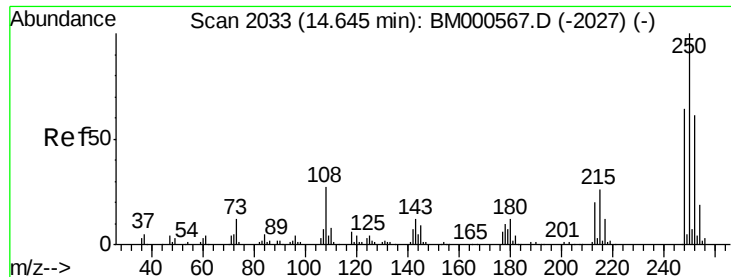


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

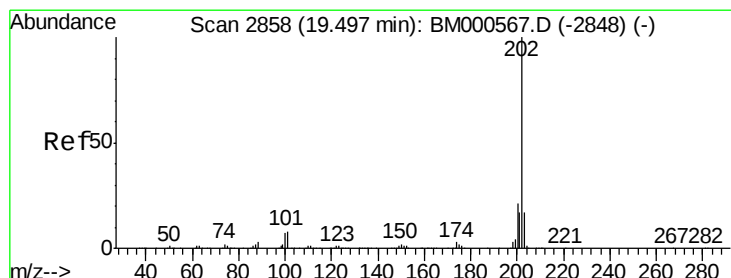
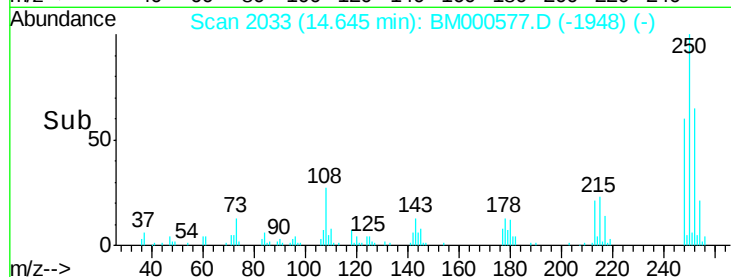
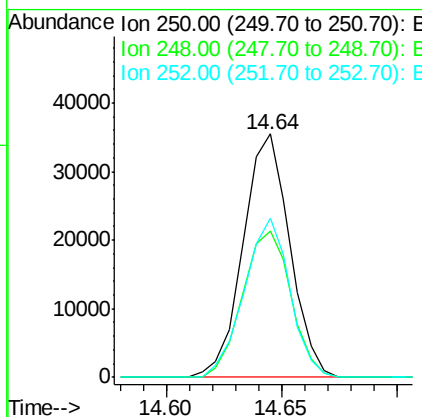
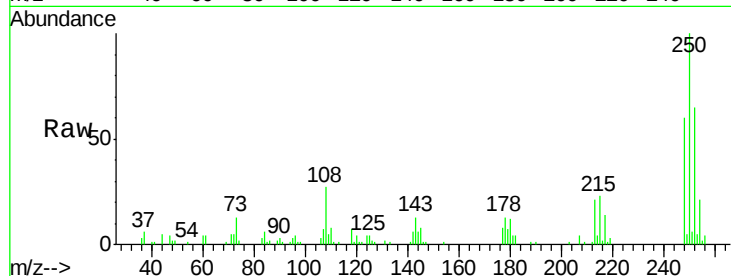




#71
 Pentachlorobenzene
 Concen: 6.44 ng/uL
 RT: 14.64 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

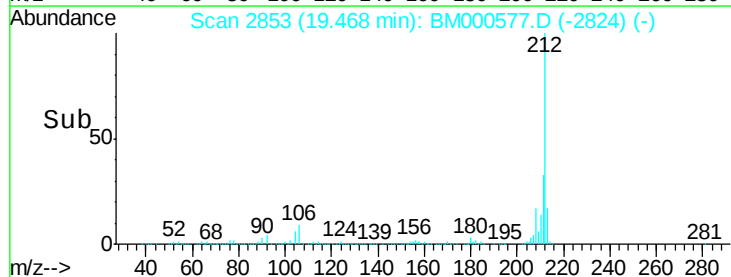
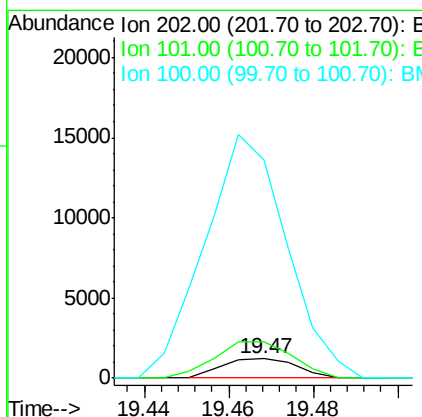
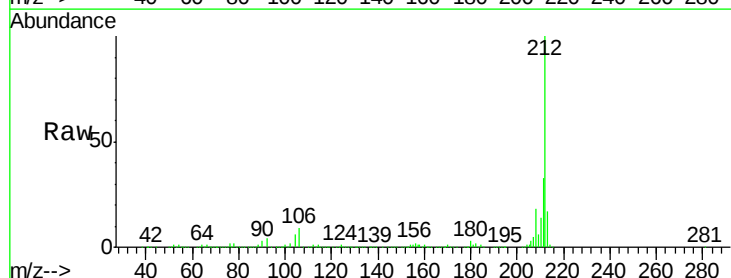
Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S-ML

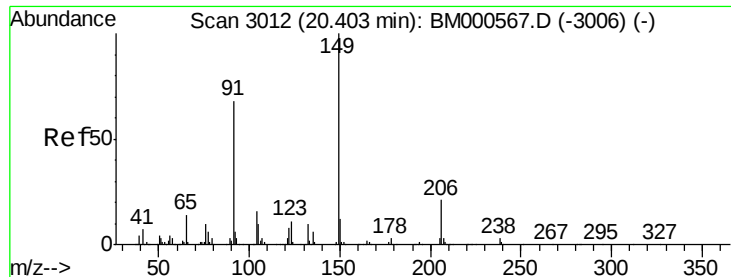
Tgt Ion:250 Resp: 50014
 Ion Ratio Lower Upper
 250 100
 248 60.3 52.4 78.6
 252 65.4 51.5 77.3



#77
 Pyrene
 Concen: 0.04 ng/uL
 RT: 19.47 min Scan# 2853
 Delta R.T. -0.03 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Tgt Ion:202 Resp: 1460
 Ion Ratio Lower Upper
 202 100
 101 186.8 7.2 10.8#
 100 1140.8 5.9 8.9#





#78

Butylbenzylphthalate

Concen: 0.02 ng/ul

RT: 20.44 min Scan# 3018

Delta R.T. 0.04 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

Instrument :

BNA_M

ClientSampleId :

MDL-01-S-ML

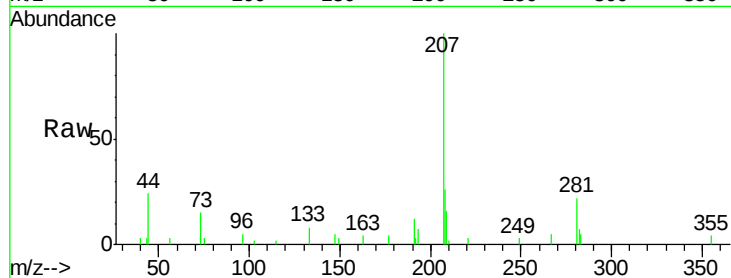
Tgt Ion:149 Resp: 241

Ion Ratio Lower Upper

149 100

91 0.0 53.9 80.9#

206 0.0 17.2 25.8#



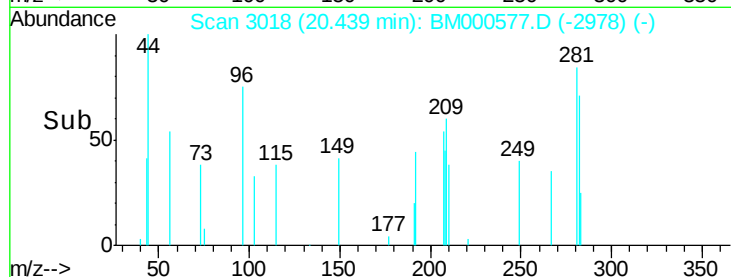
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

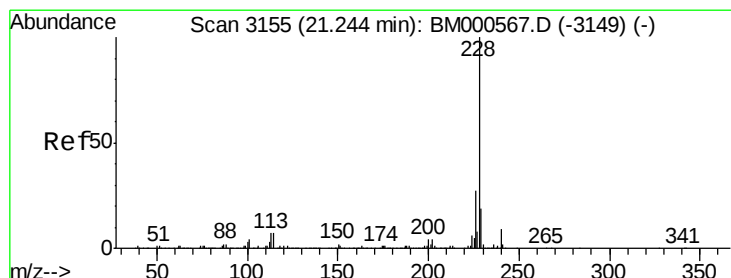
Ion 206.00 (205.70 to 206.70): E

20.44

20.46



Time-->



#80

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

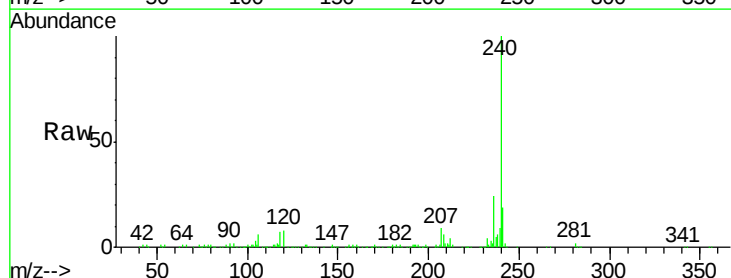
Tgt Ion:228 Resp: 1004

Ion Ratio Lower Upper

228 100

229 35.6 15.1 22.7#

226 0.0 20.4 30.6#



Abundance Ion 228.00 (227.70 to 228.70): E

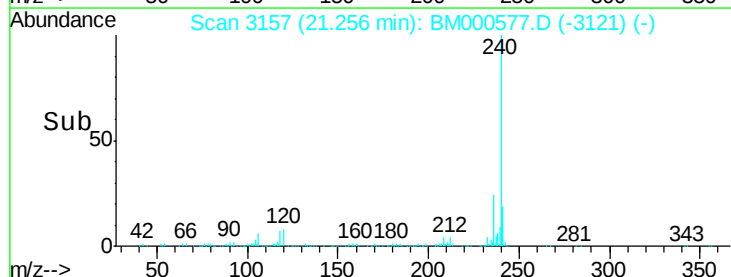
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

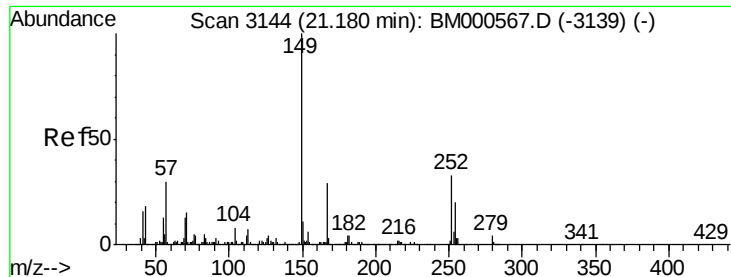
21.26

21.24

21.26



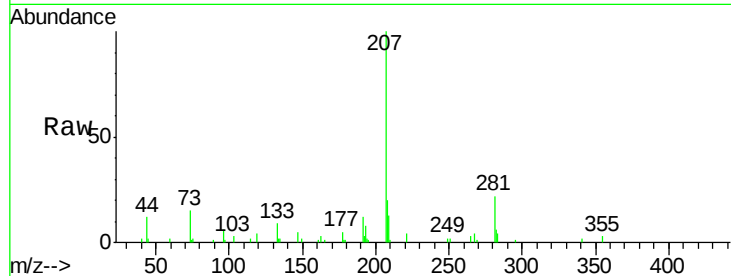
Time-->



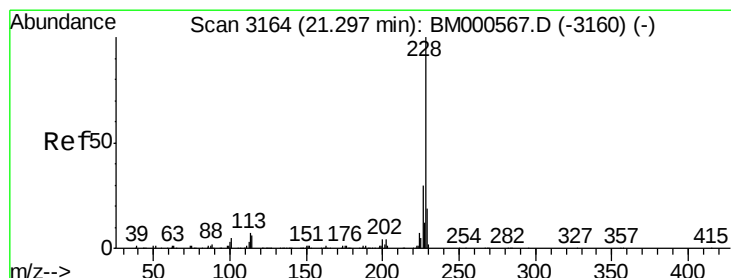
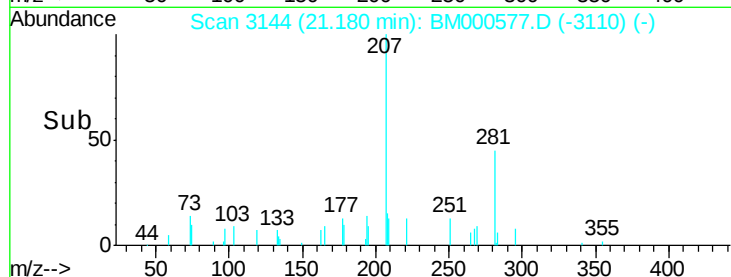
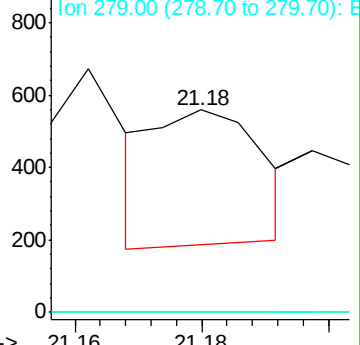
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.03 ng/ul
 RT: 21.18 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S-ML

Tgt Ion:149 Resp: 437
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.8 35.6#
 279 0.0 3.4 5.2#

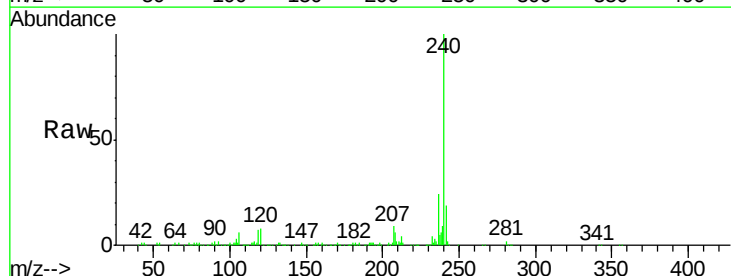


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

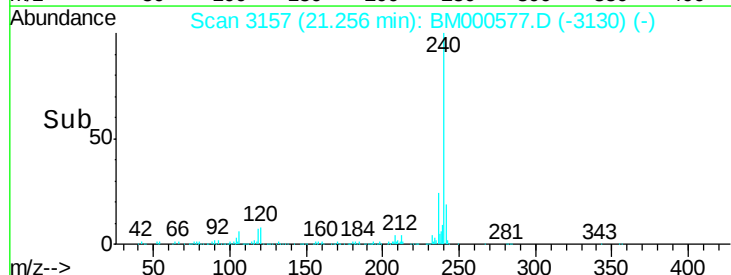
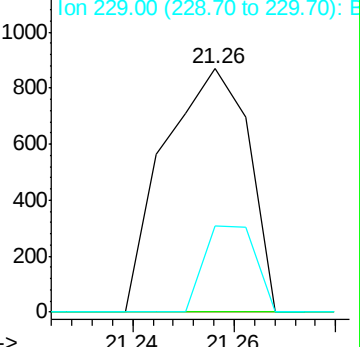


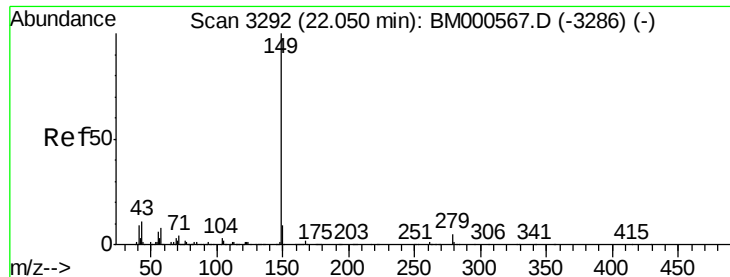
#82
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.26 min Scan# 3157
 Delta R.T. -0.04 min
 Lab File: BM000577.D
 Acq: 21 Feb 2015 02:48

Tgt Ion:228 Resp: 1004
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.0 34.6#
 229 35.6 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.05 min Scan# 3292

Delta R.T. 0.00 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

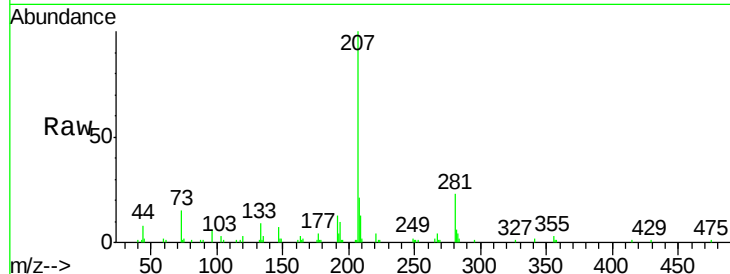
Instrument :

BNA_M

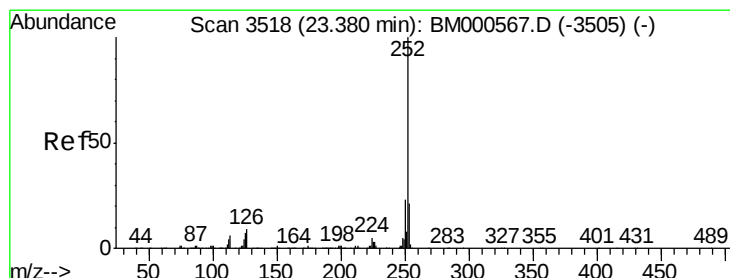
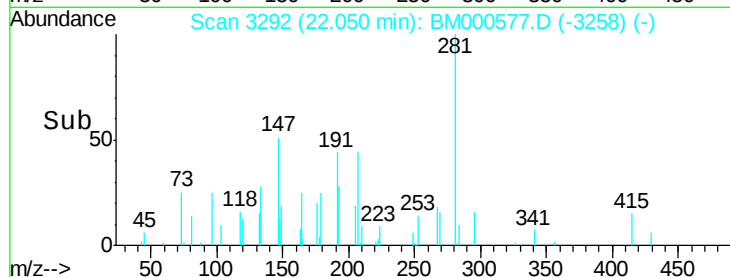
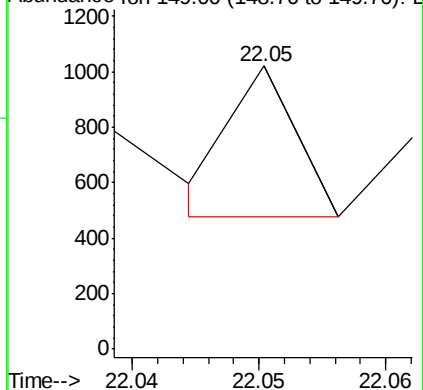
ClientSampleId :

MDL-01-S-ML

Tgt Ion:149 Resp: 192



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(a)pyrene

Concen: 0.16 ng/ul

RT: 23.33 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BM000577.D

Acq: 21 Feb 2015 02:48

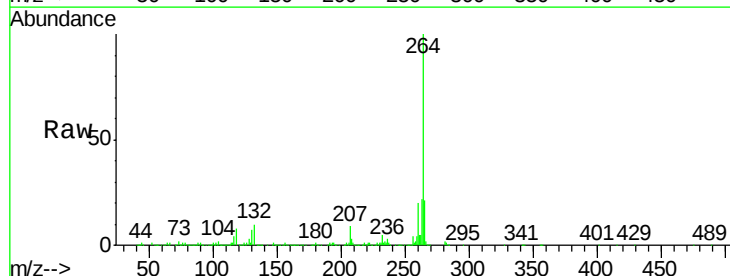
Tgt Ion:252 Resp: 3586

Ion Ratio Lower Upper

252 100

253 64.4 17.5 26.3#

125 27.4 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

