

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
 Data File : BM000574.D
 Acq On : 21 Feb 2015 00:25
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SOIL-3PPM-SOM0
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

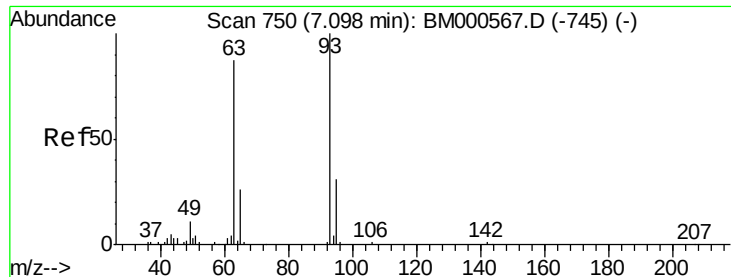
Quant Time: Feb 21 03:37:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-MA-BM022015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 21 03:20:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	93264	20.00	ng/ul	0.00
16) Naphthalene-d8	10.46	136	382100	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.32	164	233573	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.07	188	511527	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	478970	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	404692	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Phenol-d5	6.85	99	207024	30.49	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.01	67	132374	32.99	ng/ul	0.00
7) 2-Chlorophenol-d4	7.20	132	181035	31.34	ng/ul	0.00
11) 4-Methylphenol-d8	8.38	113	171992	29.88	ng/ul	0.00
17) Nitrobenzene-d5	8.83	128	85676	33.41	ng/ul	0.00
20) 2-Nitrophenol-d4	9.55	143	98340	33.13	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.08	165	188093	29.91	ng/ul	0.00
27) 4-Chloroaniline-d4	10.60	131	254586	45.38	ng/ul	0.00
41) Dimethylphthalate-d6	13.74	166	581120	34.38	ng/ul	0.00
44) Acenaphthylene-d8	14.02	160	746756	32.97	ng/ul	0.00
49) 4-Nitrophenol-d4	14.53	143	76917	28.45	ng/ul	0.00
55) Fluorene-d10	15.32	176	549852	33.28	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.44	200	77318	26.01	ng/ul	0.00
68) Anthracene-d10	17.17	188	808865	33.43	ng/ul	0.00
76) Pyrene-d10	19.46	212	851372	30.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	652474	34.39	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Bis(2-Chloroethyl)ether	7.10	93	678	0.13	ng/ul#	70
10) 2,2'-oxybis(1-Chloropropan	8.38	45	1443	0.13	ng/ul#	75
13) N-Nitroso-di-n-propylamine	8.38	70	4749	1.08	ng/ul#	1
18) Nitrobenzene	8.83	77	429	0.07	ng/ul#	40
19) Isophorone	9.55	82	10864	0.95	ng/ul#	71
42) Dimethylphthalate	13.75	163	381	0.02	ng/ul#	1
43) 2,6-Dinitrotoluene	13.75	165	4476	1.36	ng/ul#	41
50) 4-Nitrophenol	14.65	109	1004	0.35	ng/ul#	1
56) Fluorene	15.32	166	1310	0.07	ng/ul#	11
58) 4-Nitroaniline	15.32	138	353	0.11	ng/ul#	1
62) N-Nitrosodiphenylamine	15.45	169	326	0.02	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.12	216	16766	2.21	ng/uL	97
71) Pentachlorobenzene	14.65	250	33297	4.59	ng/uL	100
77) Pyrene	19.46	202	976	0.03	ng/ul#	1
78) Butylbenzylphthalate	20.40	149	294	0.03	ng/ul#	16
80) Benzo(a)anthracene	21.26	228	722	0.03	ng/ul#	53
81) Bis(2-ethylhexyl)phthalate	21.17	149	131	0.01	ng/ul#	50
82) Chrysene	21.26	228	722	0.03	ng/ul#	51
84) Di-n-octyl phthalate	22.06	149	354	0.01	ng/ul	100
88) Benzo(a)pyrene	23.33	252	2271	0.10	ng/ul#	3

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Bis(2-Chloroethyl)ether

Concen: 0.13 ng/ul

RT: 7.10 min Scan# 751

Delta R.T. 0.01 min

Lab File: BM000574.D

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BNA_M

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MDL-06-S

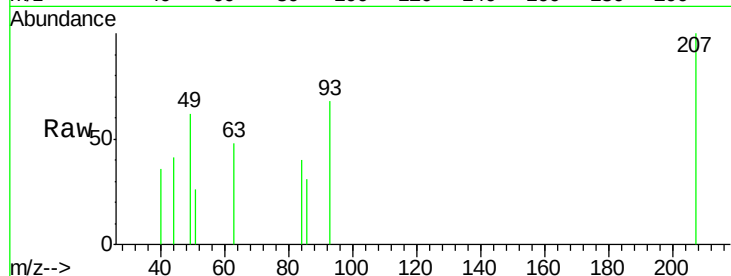
Tgt Ion: 93 Resp: 678

Ion Ratio Lower Upper

93 100

63 70.8 71.2 106.8#

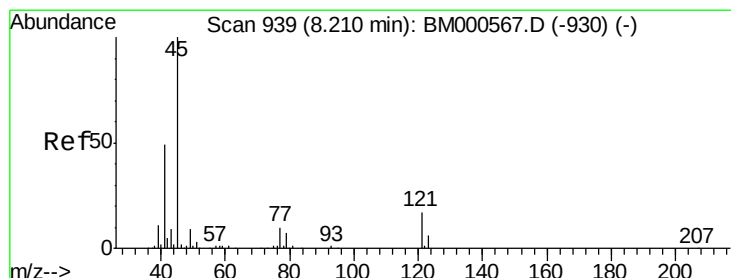
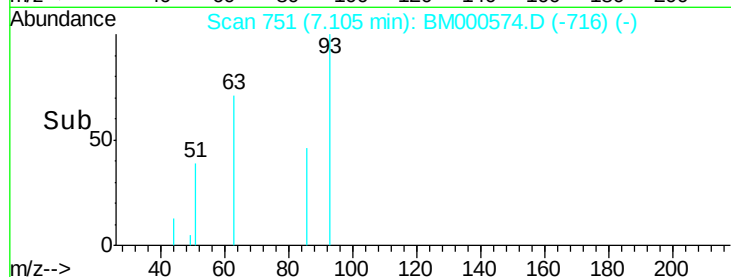
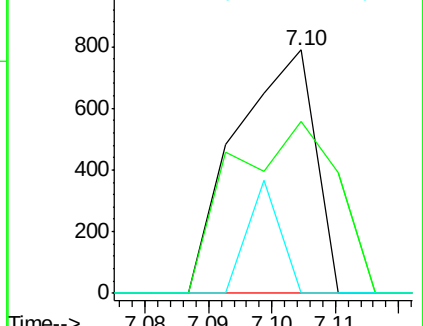
95 0.0 26.1 39.1#



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) (-)



#10

2,2'-oxybis(1-Chloropropane)

Concen: 0.13 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. 0.17 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

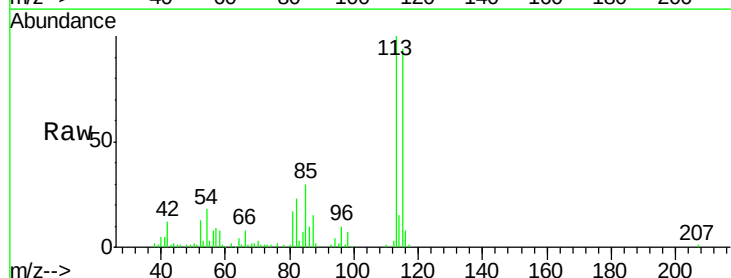
Tgt Ion: 45 Resp: 1443

Ion Ratio Lower Upper

45 100

77 0.0 8.2 12.2#

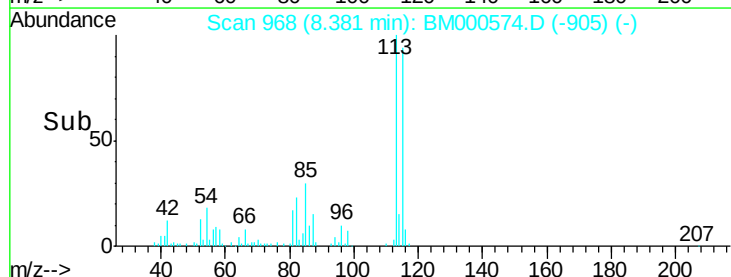
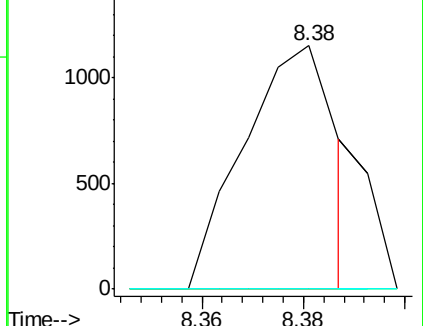
79 0.0 5.8 8.6#

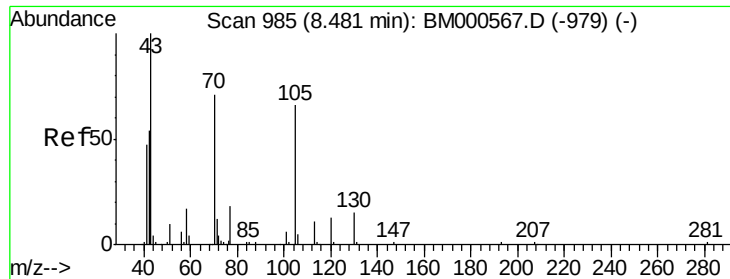


Abundance Ion 45.00 (44.70 to 45.70): BM000567.D (-930) (-)

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

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

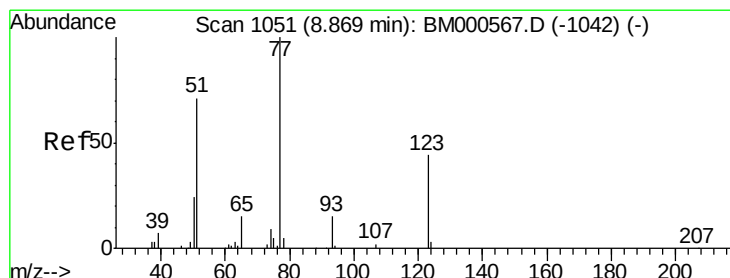
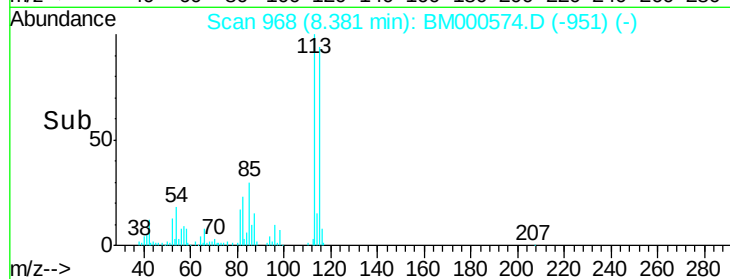
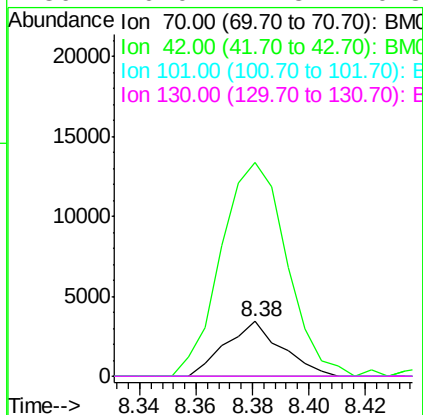
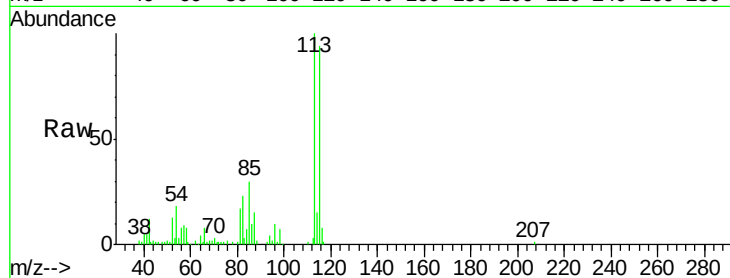




#13
N-Nitroso-di-n-propylamine
Concen: 1.08 ng/ul
RT: 8.38 min Scan# 968
Delta R.T. -0.10 min
Lab File: BM000574.D
Acq: 21 Feb 2015 00:25

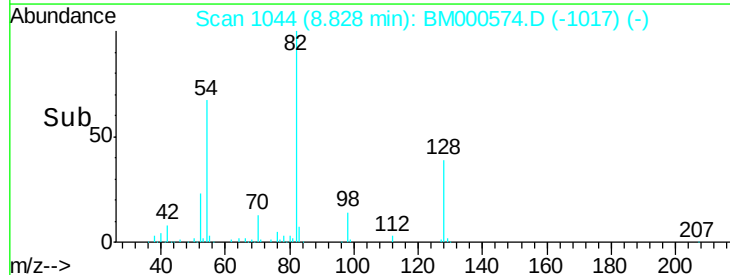
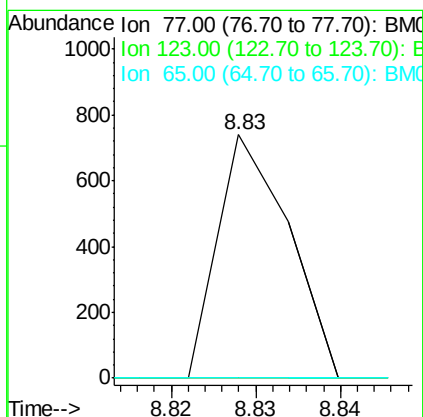
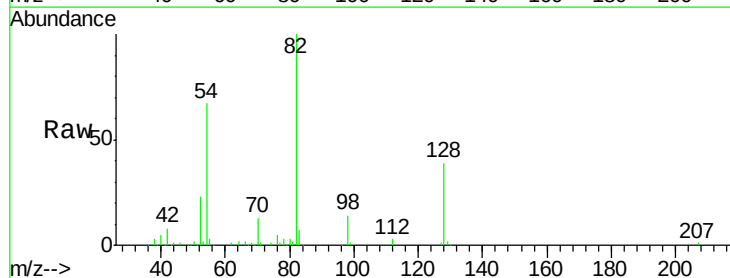
Instrument :
BNA_M
ClientSampleId :
MDL-06-S

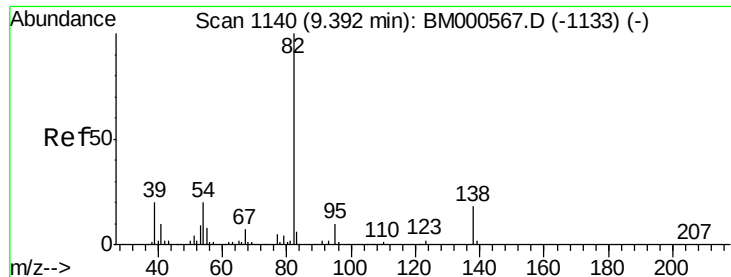
Tgt Ion: 70 Resp: 4749
Ion Ratio Lower Upper
70 100
42 389.3 63.3 94.9#
101 0.0 8.2 12.4#
130 0.0 17.8 26.8#



#18
Nitrobenzene
Concen: 0.07 ng/ul
RT: 8.83 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BM000574.D
Acq: 21 Feb 2015 00:25

Tgt Ion: 77 Resp: 429
Ion Ratio Lower Upper
77 100
123 0.0 35.7 53.5#
65 0.0 12.3 18.5#





#19

Isophorone

Concen: 0.95 ng/ul

RT: 9.55 min Scan# 1166

Delta R.T. 0.15 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

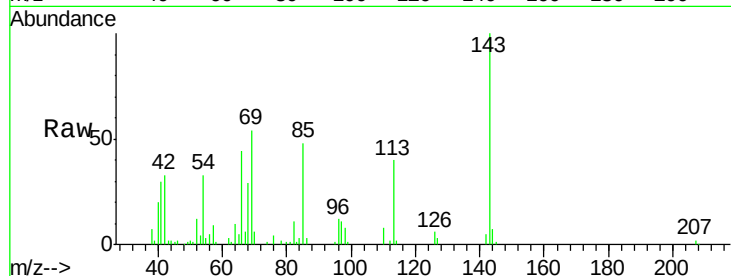
Tgt Ion: 82 Resp: 10864

Ion Ratio Lower Upper

82 100

95 8.7 7.0 10.4

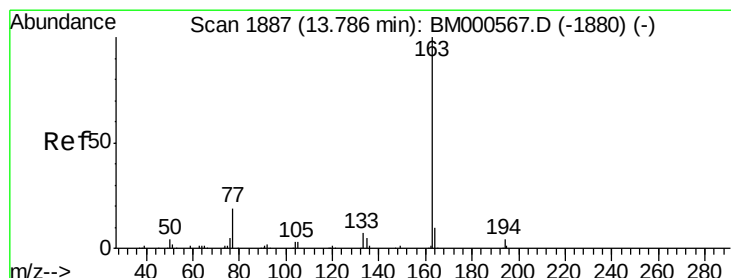
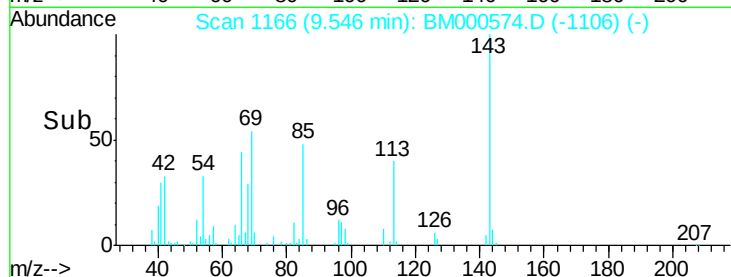
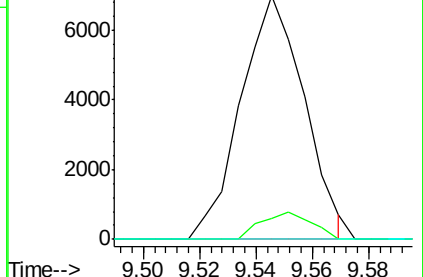
138 0.0 15.1 22.7#



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) (-)



#42

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 13.75 min Scan# 1880

Delta R.T. -0.04 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

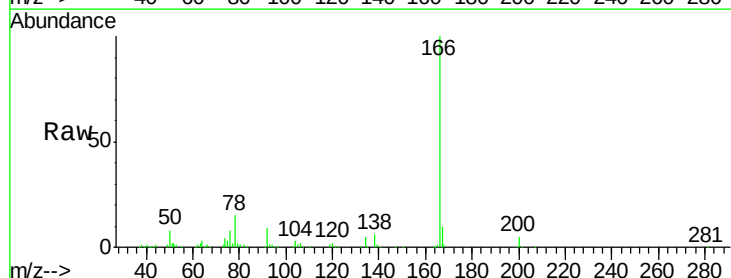
Tgt Ion: 163 Resp: 381

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

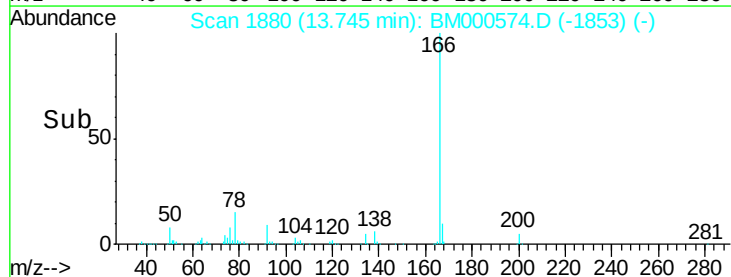
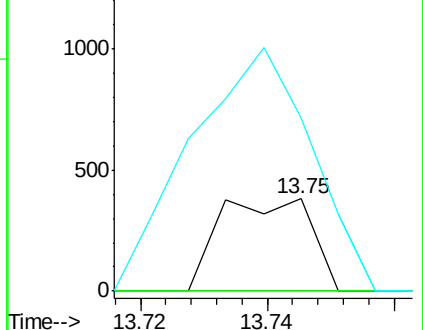
164 188.2 7.9 11.9#

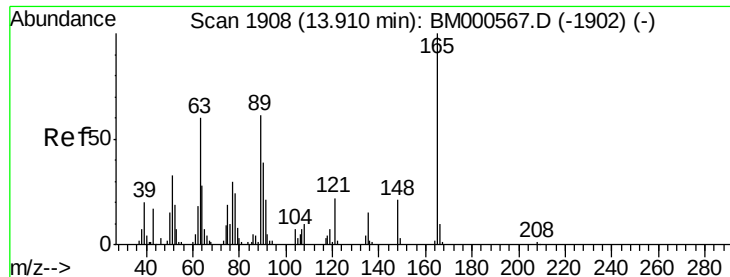


Abundance Ion 163.00 (162.70 to 163.70): BM000567.D (-1880) (-)

Ion 194.00 (193.70 to 194.70): BM000567.D (-1880) (-)

Ion 164.00 (163.70 to 164.70): BM000567.D (-1880) (-)





#43

2,6-Dinitrotoluene

Concen: 1.36 ng/ul

RT: 13.75 min Scan# 1880

Delta R.T. -0.16 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

Instrument :

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ClientSampleId :

MDL-06-S

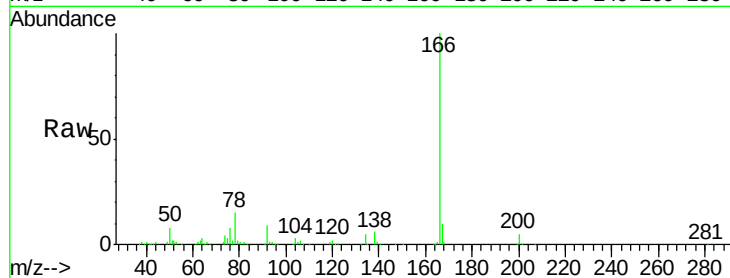
Tgt Ion:165 Resp: 4476

Ion Ratio Lower Upper

165 100

89 0.0 47.8 71.8#

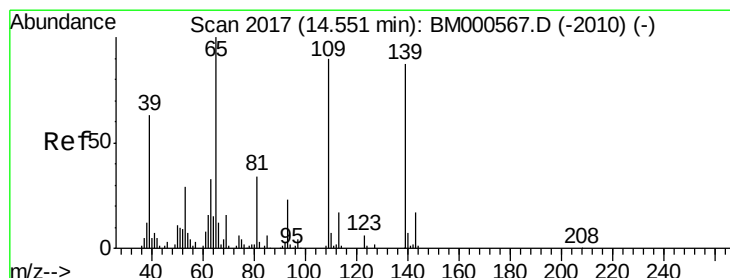
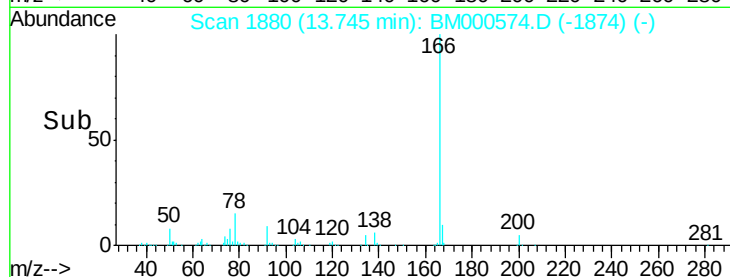
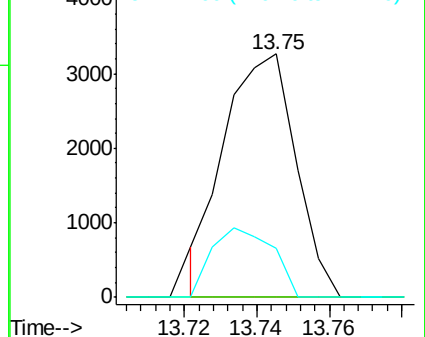
121 20.1 18.1 27.1



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: 0.35 ng/ul

RT: 14.65 min Scan# 2033

Delta R.T. 0.09 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

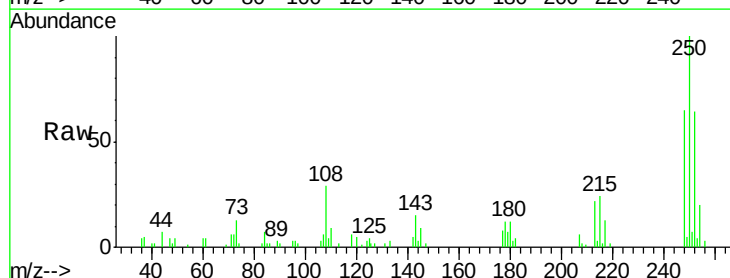
Tgt Ion:109 Resp: 1004

Ion Ratio Lower Upper

109 100

139 0.0 78.2 117.4#

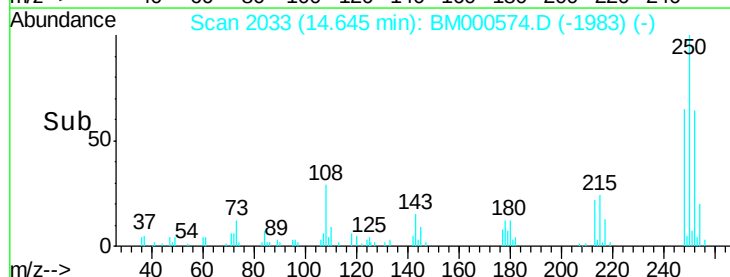
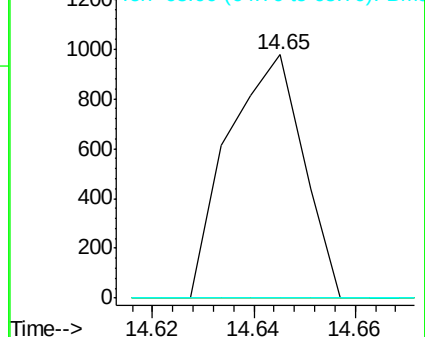
65 0.0 93.7 140.5#

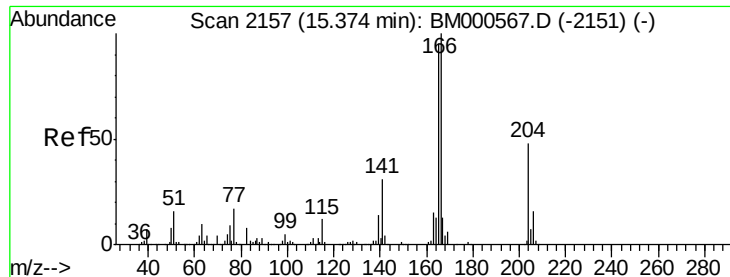


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

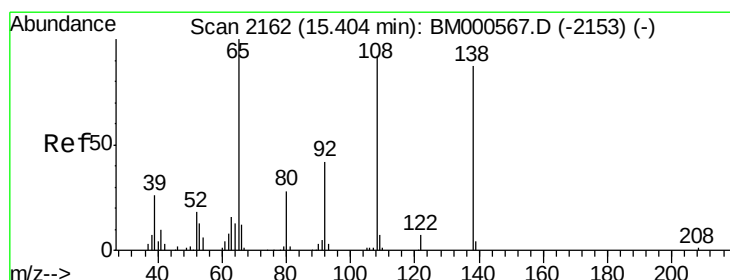
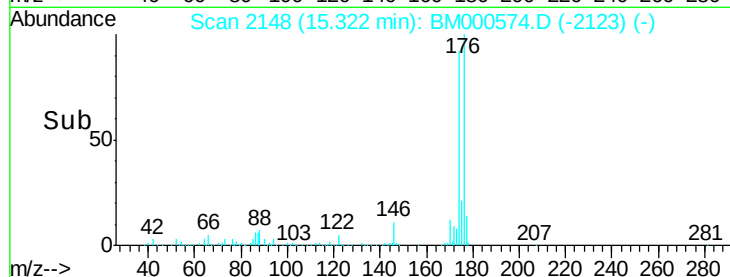
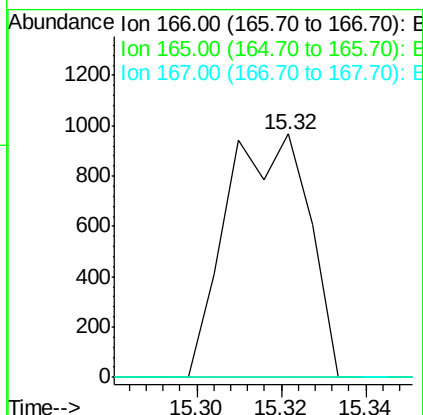
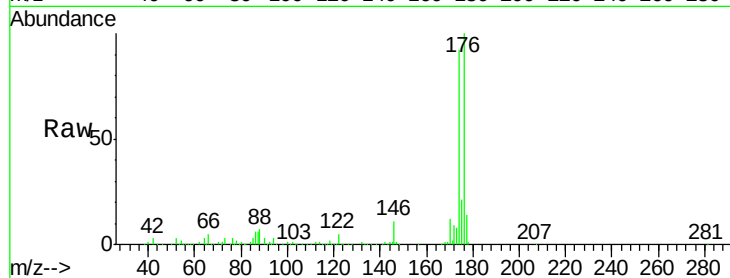




#56
 Fluorene
 Concen: 0.07 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.05 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

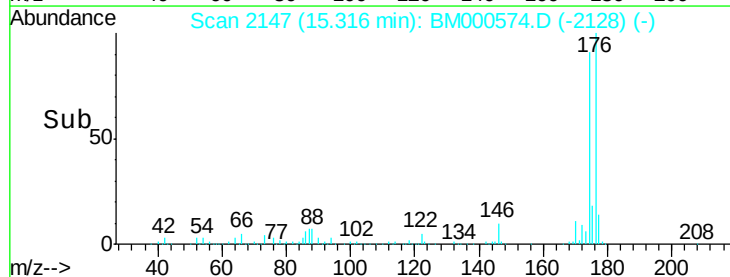
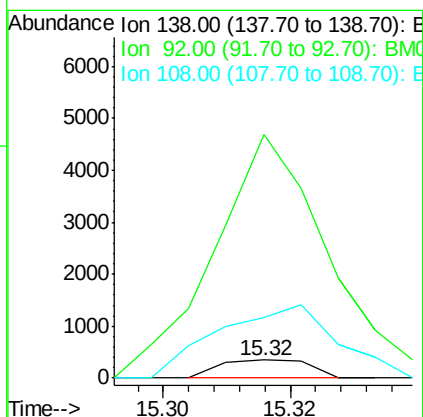
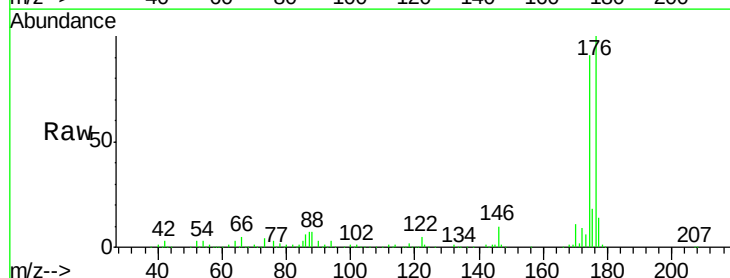
Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

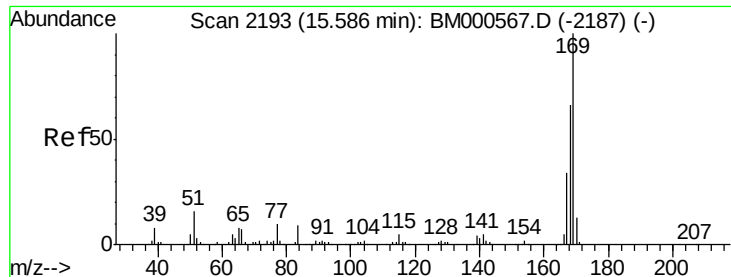
Tgt Ion:166 Resp: 1310
 Ion Ratio Lower Upper
 166 100
 165 0.0 74.4 111.6#
 167 0.0 10.2 15.4#



#58
 4-Nitroaniline
 Concen: 0.11 ng/ul
 RT: 15.32 min Scan# 2147
 Delta R.T. -0.09 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

Tgt Ion:138 Resp: 353
 Ion Ratio Lower Upper
 138 100
 92 1339.4 42.2 63.2#
 108 336.6 83.5 125.3#





#62

N-Nitrosodiphenylamine

Concen: 0.02 ng/uL

RT: 15.45 min Scan# 2169

Delta R.T. -0.14 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

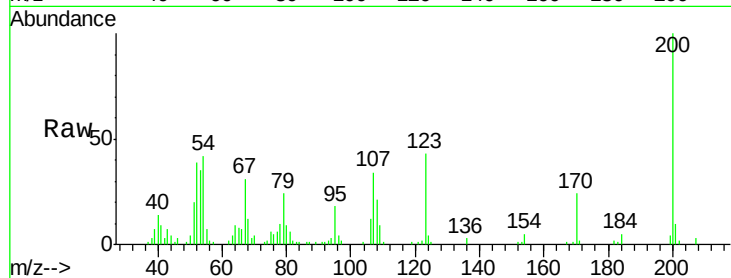
Tgt Ion:169 Resp: 326

Ion Ratio Lower Upper

169 100

168 0.0 53.3 79.9#

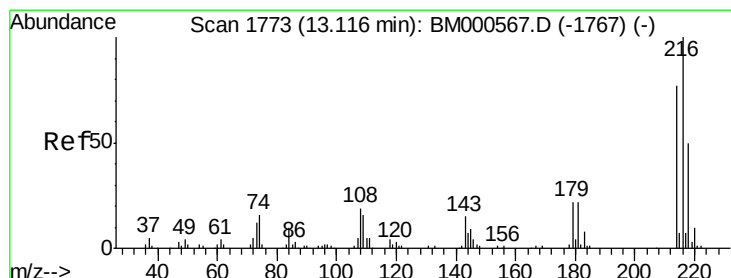
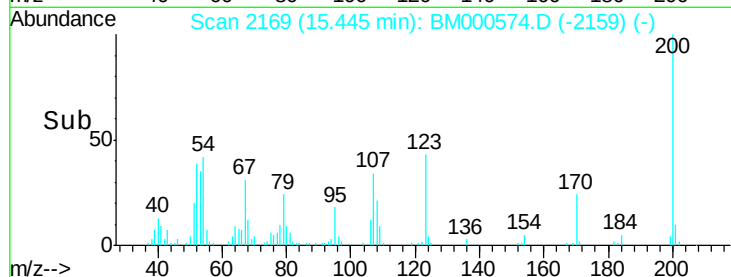
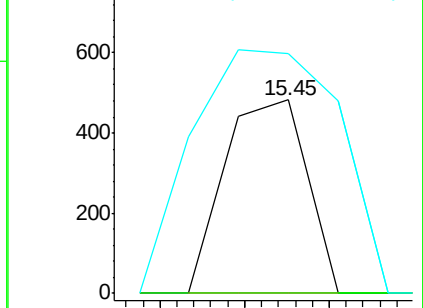
167 123.8 29.4 44.2#



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



#70

1,2,3,4-Tetrachlorobenzene

Concen: 2.21 ng/uL

RT: 13.12 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

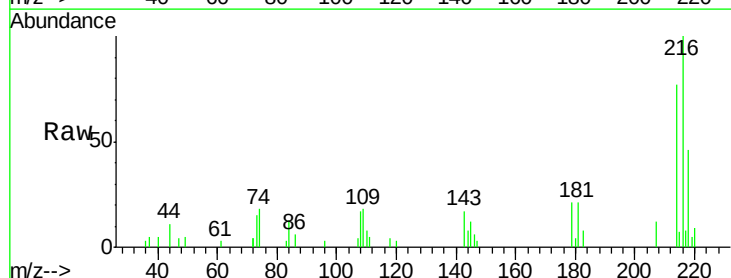
Tgt Ion:216 Resp: 16766

Ion Ratio Lower Upper

216 100

214 76.7 59.1 88.7

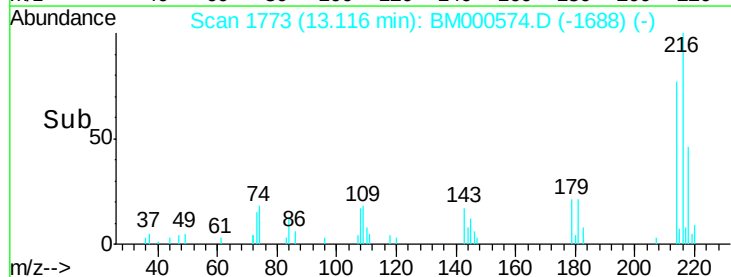
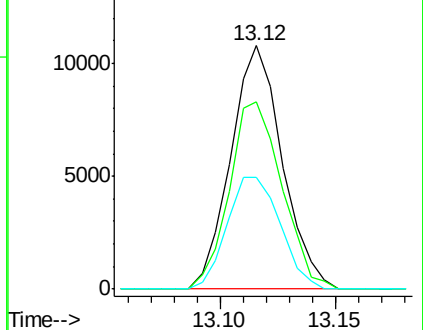
218 45.8 37.6 56.4

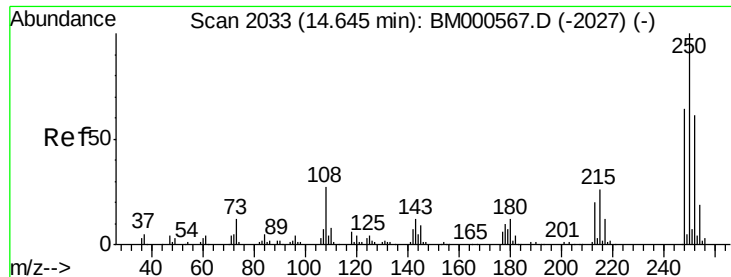


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

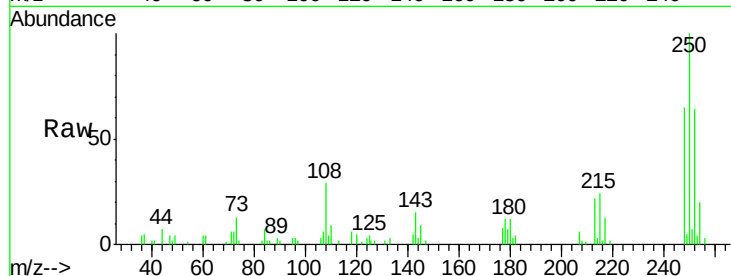




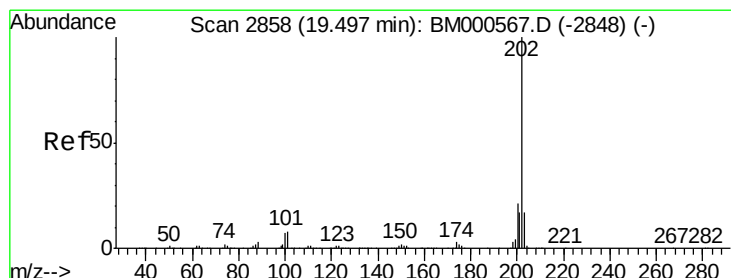
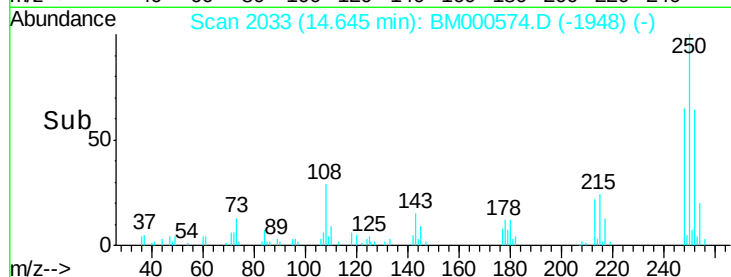
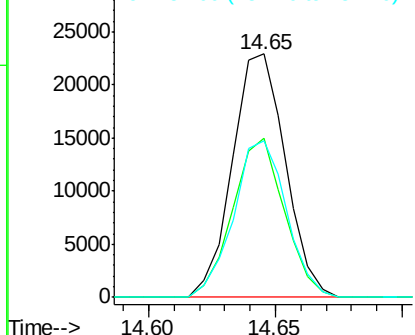
#71
 Pentachlorobenzene
 Concen: 4.59 ng/uL
 RT: 14.65 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Tgt Ion:250 Resp: 33297
 Ion Ratio Lower Upper
 250 100
 248 65.3 52.4 78.6
 252 64.2 51.5 77.3

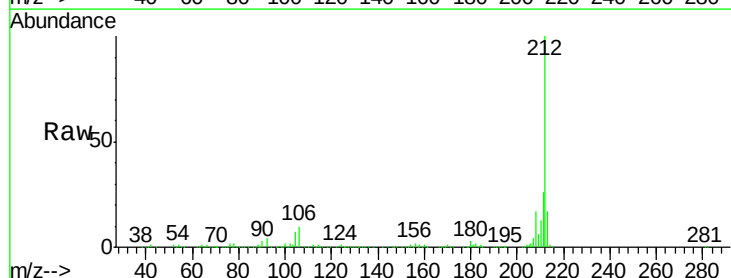


Abundance Ion 250.00 (249.70 to 250.70): E
 Ion 248.00 (247.70 to 248.70): E
 Ion 252.00 (251.70 to 252.70): E

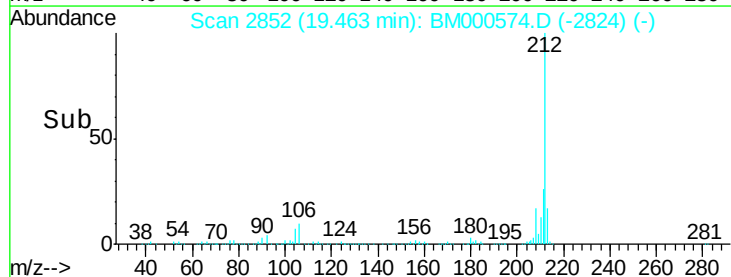
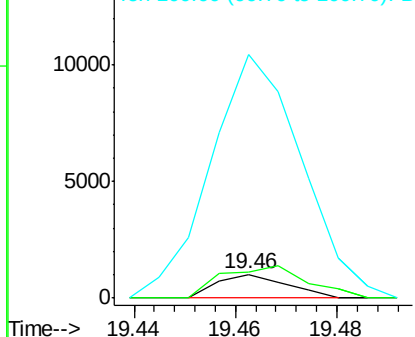


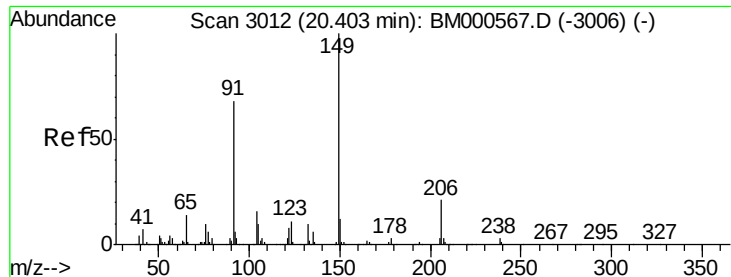
#77
 Pyrene
 Concen: 0.03 ng/uL
 RT: 19.46 min Scan# 2852
 Delta R.T. -0.03 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

Tgt Ion:202 Resp: 976
 Ion Ratio Lower Upper
 202 100
 101 108.4 7.2 10.8#
 100 1025.2 5.9 8.9#



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 0.03 ng/ul

RT: 20.40 min Scan# 3012

Delta R.T. 0.00 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

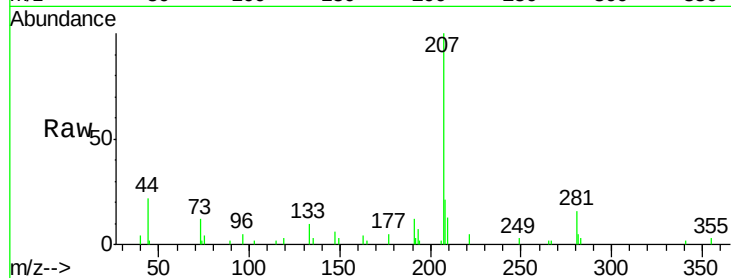
Instrument :

BNA_M

ClientSampleId :

MDL-06-S

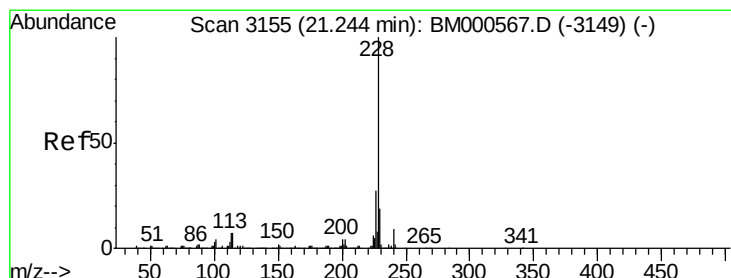
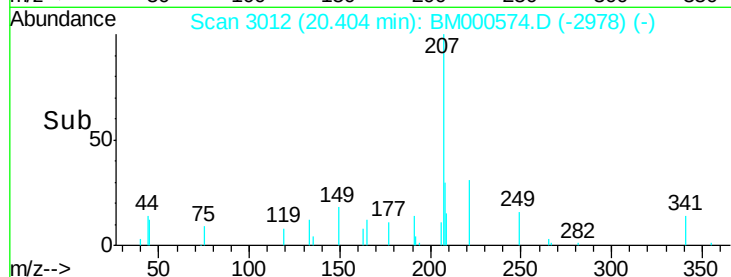
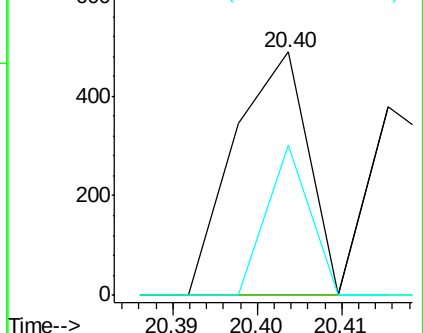
Tgt Ion:	149	Resp:	294
Ion Ratio	Lower	Upper	
149	100		
91	0.0	53.9	80.9#
206	61.8	17.2	25.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM000567.D (-3006) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.03 ng/ul

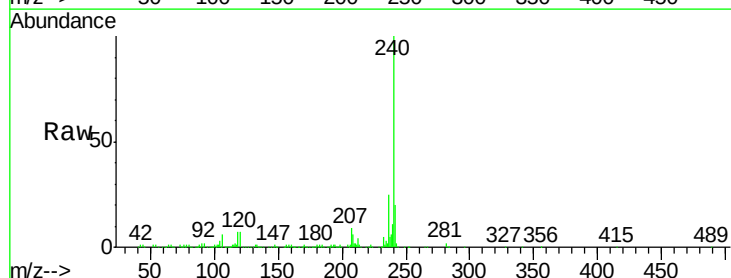
RT: 21.26 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

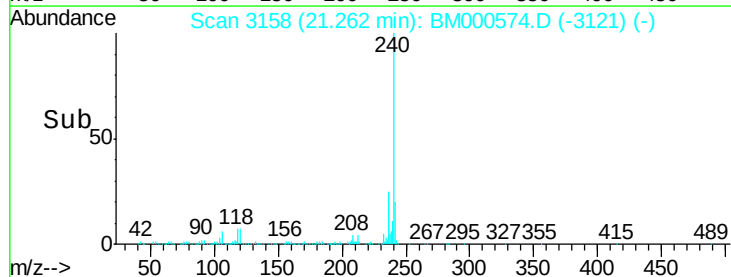
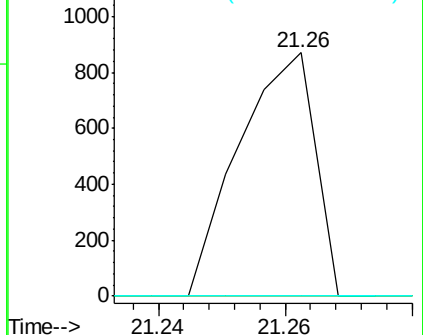
Tgt Ion:	228	Resp:	722
Ion Ratio	Lower	Upper	
228	100		
229	0.0	15.1	22.7#
226	0.0	20.4	30.6#

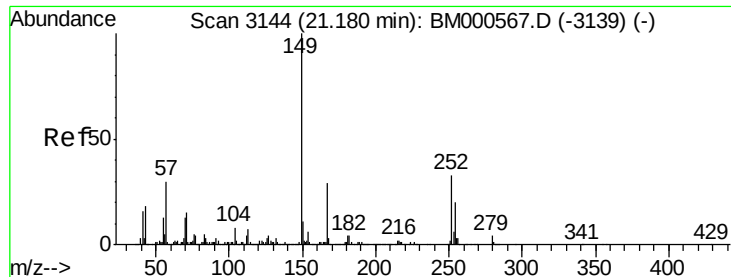


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

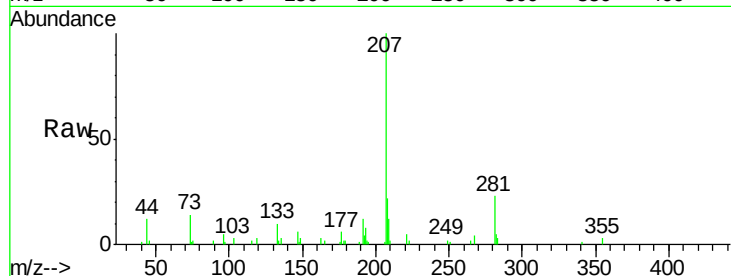




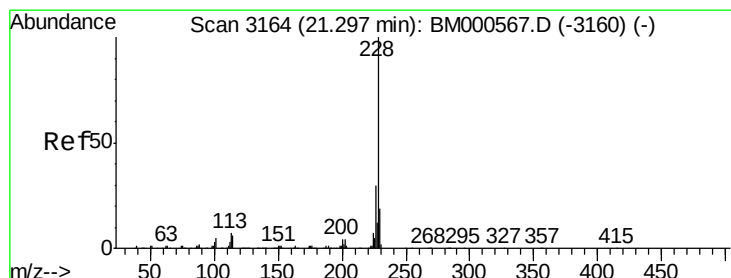
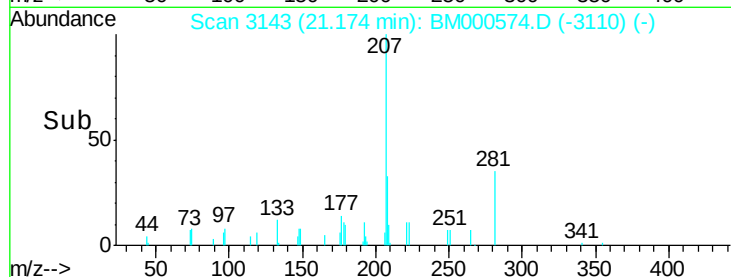
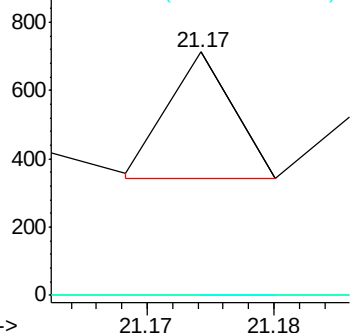
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng/ul
 RT: 21.17 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Tgt Ion:149 Resp: 131
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.8 35.6#
 279 0.0 3.4 5.2#

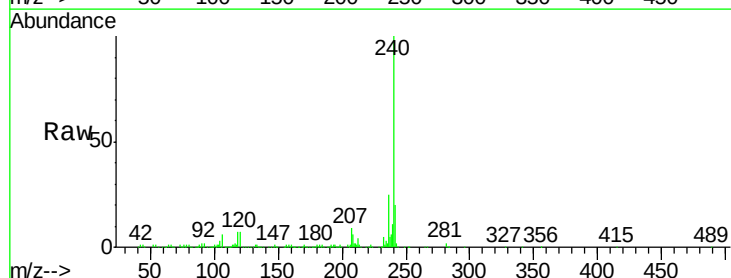


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

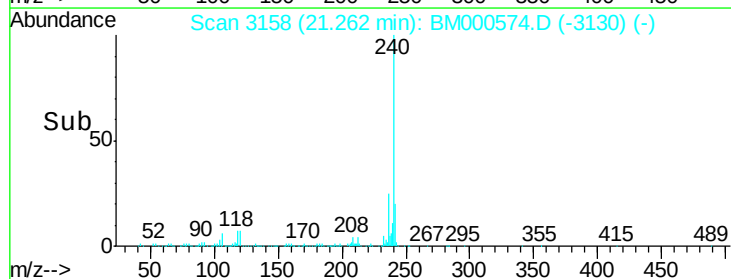
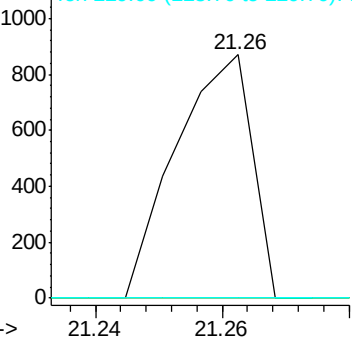


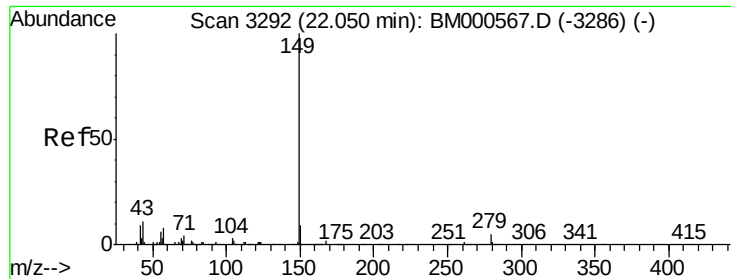
#82
 Chrysene
 Concen: 0.03 ng/ul
 RT: 21.26 min Scan# 3158
 Delta R.T. -0.03 min
 Lab File: BM000574.D
 Acq: 21 Feb 2015 00:25

Tgt Ion:228 Resp: 722
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.0 34.6#
 229 0.0 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: 22.06 min Scan# 3294

Delta R.T. 0.01 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

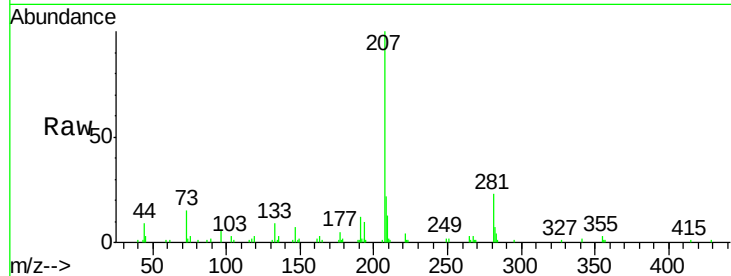
Instrument :

BNA_M

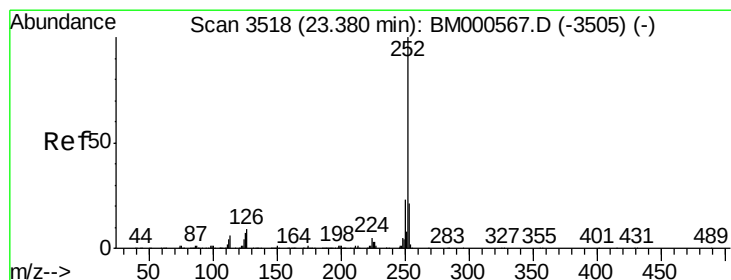
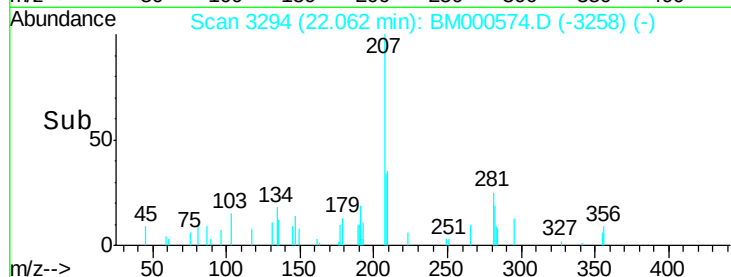
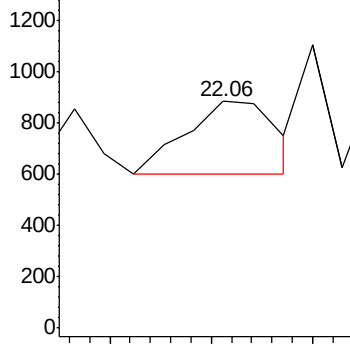
ClientSampleId :

MDL-06-S

Tgt Ion:149 Resp: 354



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.33 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BM000574.D

Acq: 21 Feb 2015 00:25

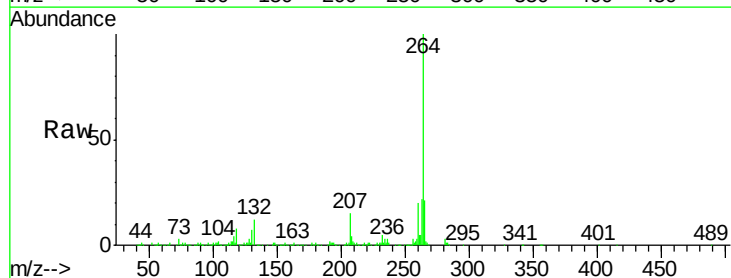
Tgt Ion:252 Resp: 2271

Ion Ratio Lower Upper

252 100

253 71.8 17.5 26.3#

125 31.1 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

