

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
 Data File : BM000570.D
 Acq On : 20 Feb 2015 22:03
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-3PPM-SOM0
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

Quant Time: Feb 21 03:35:36 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	90848	20.00	ng/ul	0.00
16) Naphthalene-d8	10.46	136	387795	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.32	164	235468	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.07	188	506249	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	458296	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	383186	20.00	ng/ul	0.00

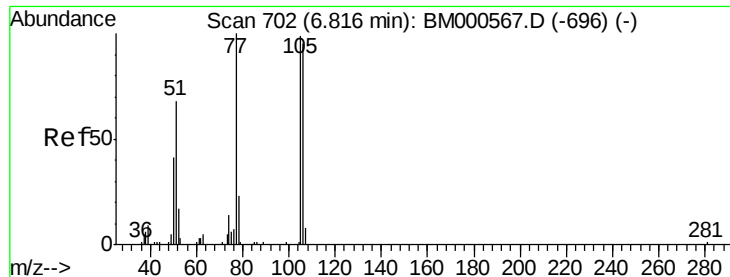
System Monitoring Compounds

3) Phenol-d5	6.85	99	249234	37.69	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.01	67	156652	40.08	ng/ul	0.00
7) 2-Chlorophenol-d4	7.20	132	216543	38.49	ng/ul	0.00
11) 4-Methylphenol-d8	8.38	113	209077	37.29	ng/ul	0.00
17) Nitrobenzene-d5	8.83	128	103312	39.70	ng/ul	0.00
20) 2-Nitrophenol-d4	9.55	143	120992	40.16	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.08	165	225134	35.27	ng/ul	0.00
27) 4-Chloroaniline-d4	10.60	131	309166	54.31	ng/ul	0.00
41) Dimethylphthalate-d6	13.74	166	696869	40.89	ng/ul	0.00
44) Acenaphthylene-d8	14.02	160	901785	39.49	ng/ul	0.00
49) 4-Nitrophenol-d4	14.53	143	95231	34.94	ng/ul	0.00
55) Fluorene-d10	15.32	176	651718	39.13	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.44	200	94513	32.12	ng/ul	0.00
68) Anthracene-d10	17.17	188	947879	39.59	ng/ul	0.00
76) Pyrene-d10	19.46	212	972196	36.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	727207	40.48	ng/ul	0.00

Target Compounds

						Qvalue
2) Benzaldehyde	6.85	77	349	0.09	ng/ul#	2
6) Bis(2-Chloroethyl)ether	7.10	93	629	0.12	ng/ul#	62
13) N-Nitroso-di-n-propylamine	8.38	70	5238	1.22	ng/ul#	1
18) Nitrobenzene	8.83	77	828	0.12	ng/ul#	31
19) Isophorone	9.55	82	13510	1.17	ng/ul#	71
42) Dimethylphthalate	13.73	163	454	0.03	ng/ul#	1
43) 2,6-Dinitrotoluene	13.74	165	5710	1.72	ng/ul#	40
50) 4-Nitrophenol	14.54	109	116	0.04	ng/ul#	1
56) Fluorene	15.32	166	1441	0.08	ng/ul#	7
62) N-Nitrosodiphenylamine	15.45	169	714	0.05	ng/ul#	20
70) 1,2,3,4-Tetrachlorobenzene	13.12	216	16451	2.19	ng/uL	93
71) Pentachlorobenzene	14.64	250	32359	4.50	ng/uL	95
73) Di-n-butylphthalate	18.04	149	627	0.02	ng/ul#	78
77) Pyrene	19.46	202	1071	0.03	ng/ul#	1
78) Butylbenzylphthalate	20.40	149	233	0.02	ng/ul#	25
80) Benzo(a)anthracene	21.26	228	960	0.04	ng/ul#	53
81) Bis(2-ethylhexyl)phthalate	21.17	149	807	0.06	ng/ul#	50
82) Chrysene	21.26	228	960	0.04	ng/ul#	51
84) Di-n-octyl phthalate	22.04	149	108	0.00	ng/ul	100
86) Benzo(k)fluoranthene	22.96	252	223	0.01	ng/ul#	1
88) Benzo(a)pyrene	23.36	252	249	0.01	ng/ul#	1

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



#2

Benzaldehyde

Concen: 0.09 ng/ul

RT: 6.85 min Scan# 707

Delta R.T. 0.03 min

Lab File: BM000570.D

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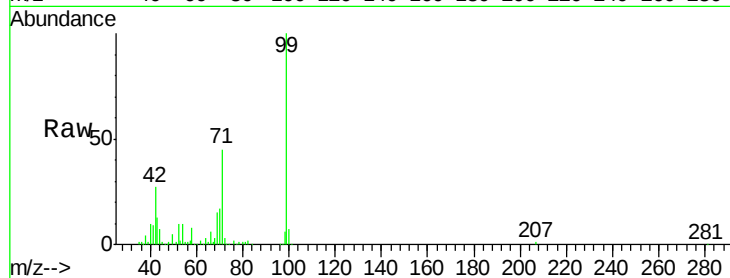
Tgt Ion: 77 Resp: 349

Ion Ratio Lower Upper

77 100

105 0.0 78.6 117.8#

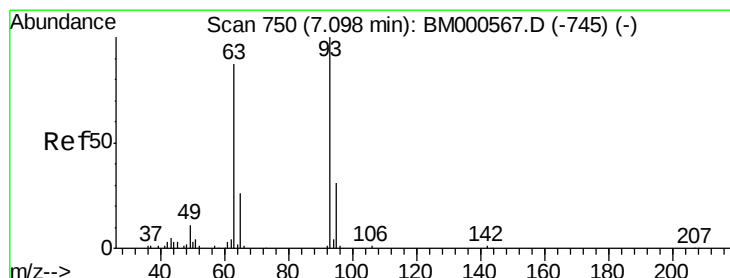
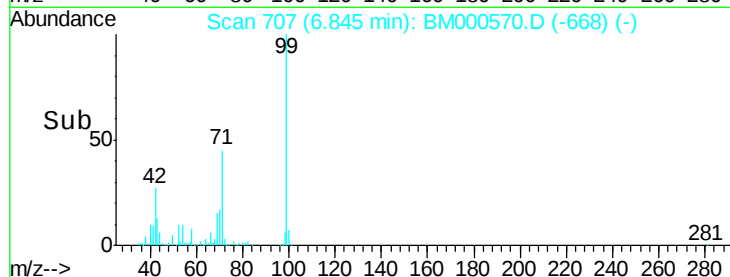
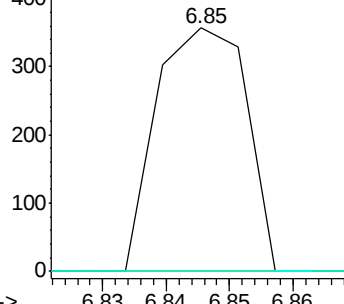
106 0.0 74.2 111.4#



Abundance Ion 77.00 (76.70 to 77.70): BM000570.D (-668) (-)

Ion 105.00 (104.70 to 105.70): BM000570.D (-668) (-)

Ion 106.00 (105.70 to 106.70): BM000570.D (-668) (-)



#6

Bis(2-Chloroethyl)ether

Concen: 0.12 ng/ul

RT: 7.10 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

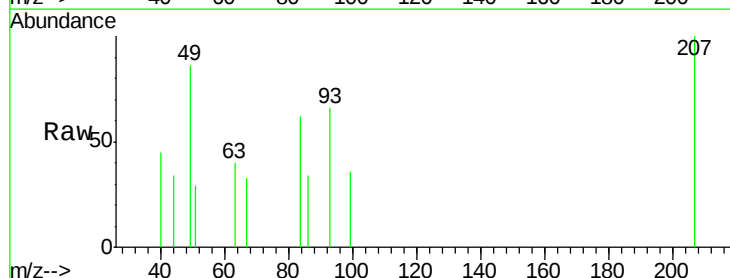
Tgt Ion: 93 Resp: 629

Ion Ratio Lower Upper

93 100

63 60.7 71.2 106.8#

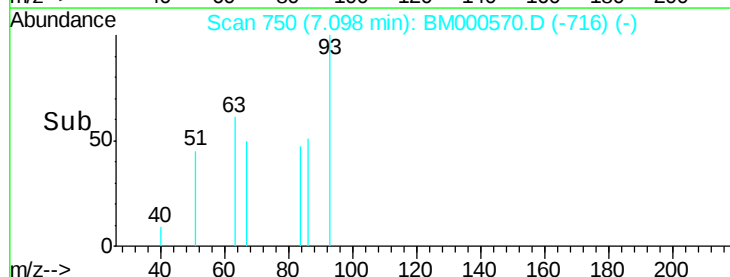
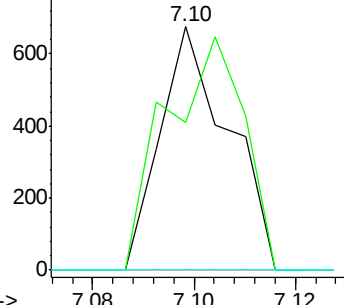
95 0.0 26.1 39.1#

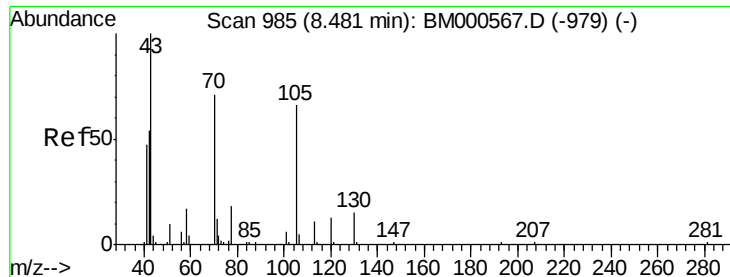


Abundance Ion 93.00 (92.70 to 93.70): BM000570.D (-716) (-)

Ion 63.00 (62.70 to 63.70): BM000570.D (-716) (-)

Ion 95.00 (94.70 to 95.70): BM000570.D (-716) (-)





#13

N-Nitroso-di-n-propylamine

Concen: 1.22 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. -0.10 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

Instrument :

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Tgt Ion: 70 Resp: 5238

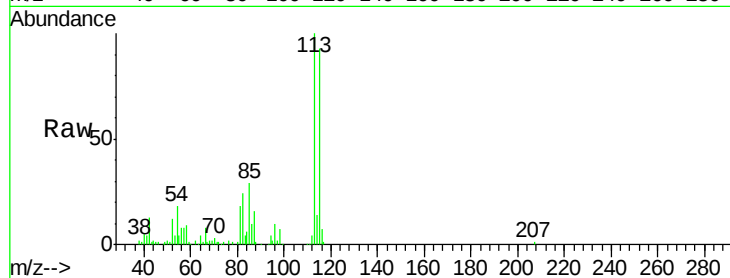
Ion Ratio Lower Upper

70 100

42 506.0 63.3 94.9#

101 0.0 8.2 12.4#

130 0.0 17.8 26.8#

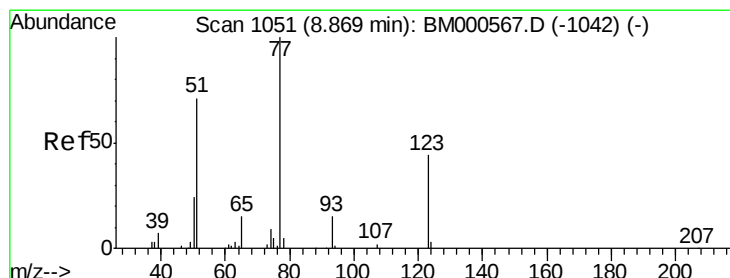
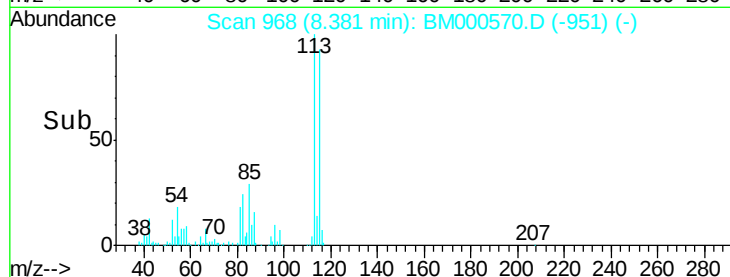
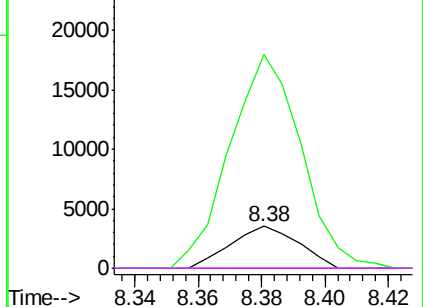


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#18

Nitrobenzene

Concen: 0.12 ng/ul

RT: 8.83 min Scan# 1044

Delta R.T. -0.04 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

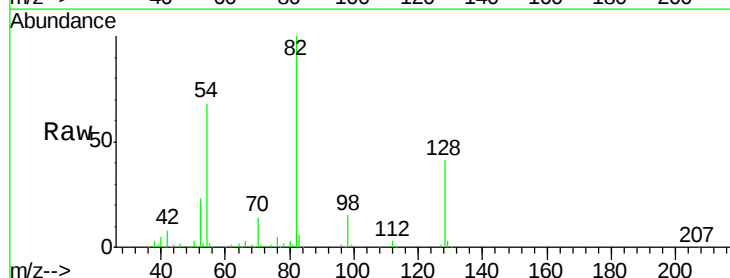
Tgt Ion: 77 Resp: 828

Ion Ratio Lower Upper

77 100

123 0.0 35.7 53.5#

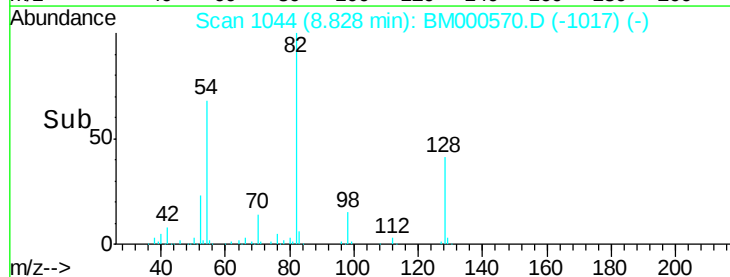
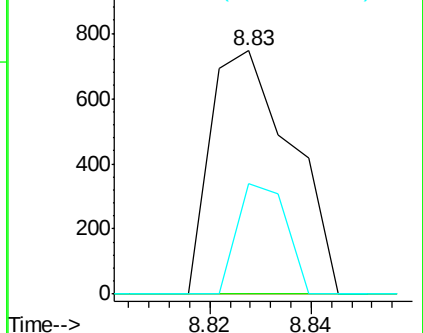
65 45.5 12.3 18.5#

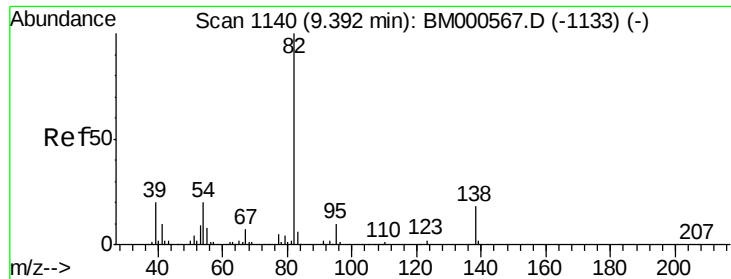


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#19

Isophorone

Concen: 1.17 ng/ul

RT: 9.55 min Scan# 1166

Delta R.T. 0.15 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

Instrument :

BNA_M

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MDL-02-S

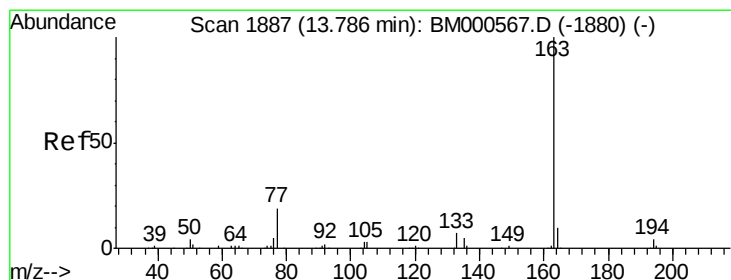
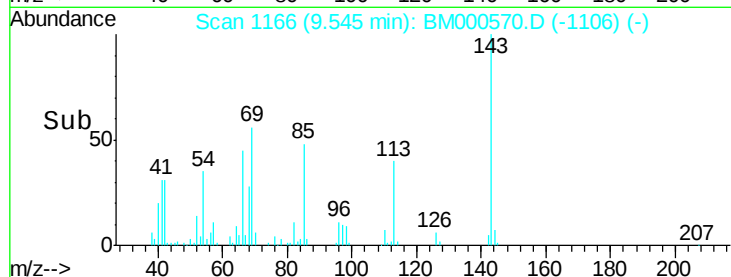
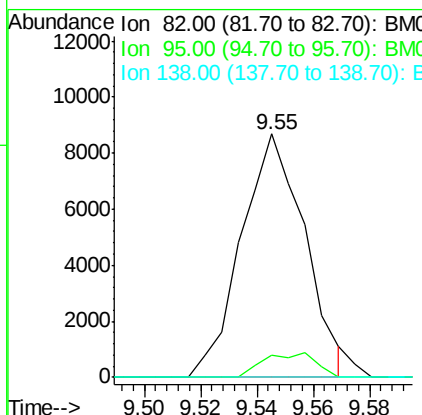
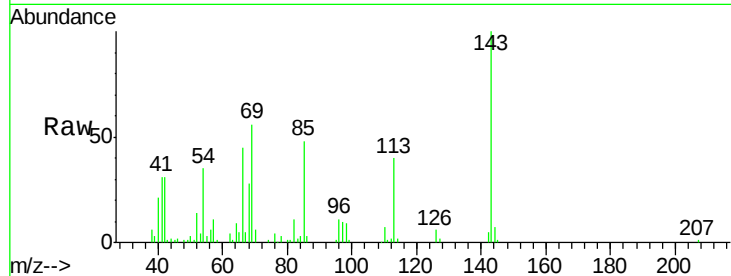
Tgt Ion: 82 Resp: 13510

Ion Ratio Lower Upper

82 100

95 9.0 7.0 10.4

138 0.0 15.1 22.7#



#42

Dimethylphthalate

Concen: 0.03 ng/ul

RT: 13.73 min Scan# 1878

Delta R.T. -0.05 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

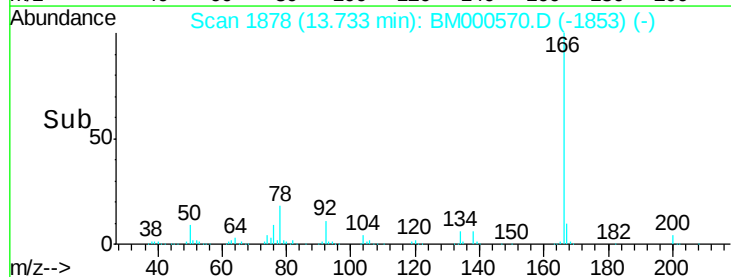
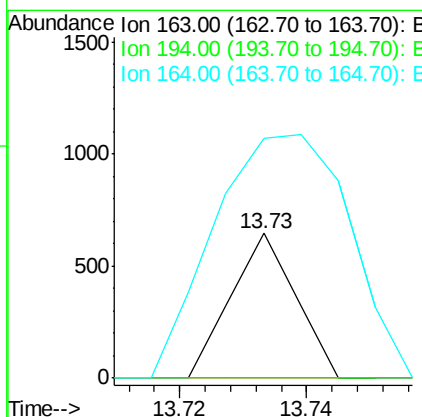
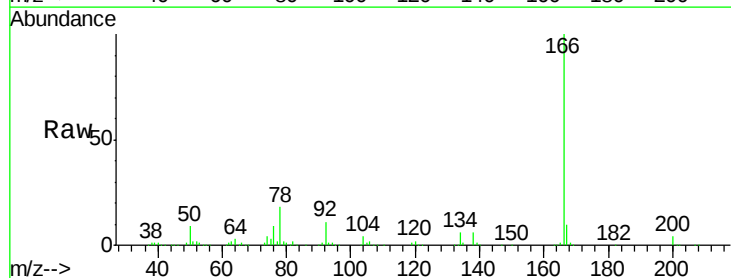
Tgt Ion: 163 Resp: 454

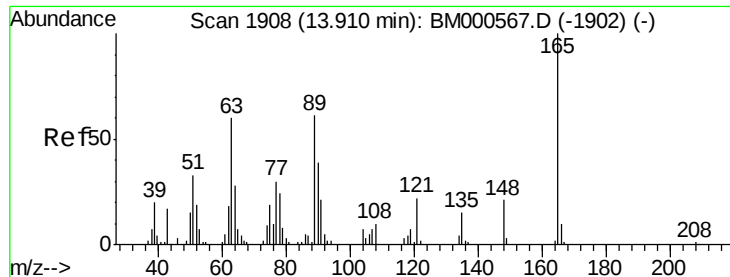
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 165.3 7.9 11.9#

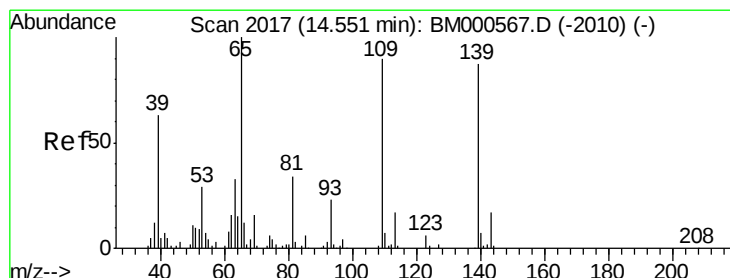
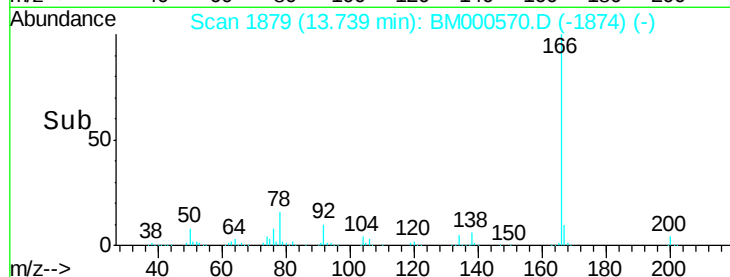
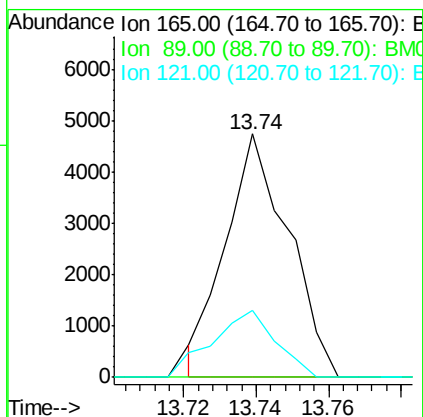
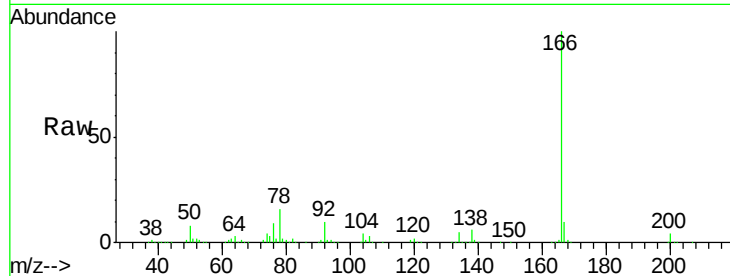




#43
 2,6-Dinitrotoluene
 Concen: 1.72 ng/ul
 RT: 13.74 min Scan# 1879
 Delta R.T. -0.17 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

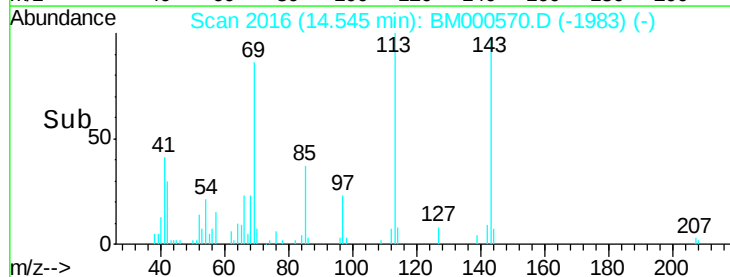
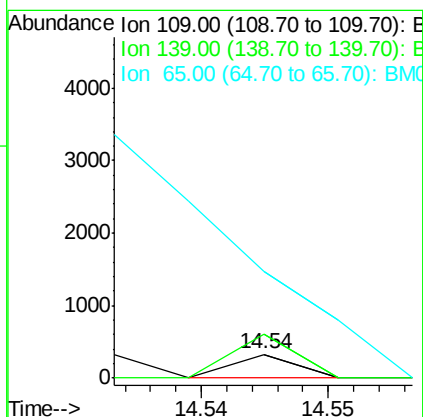
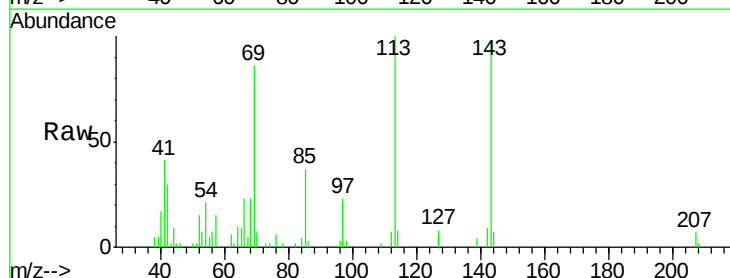
Instrument :
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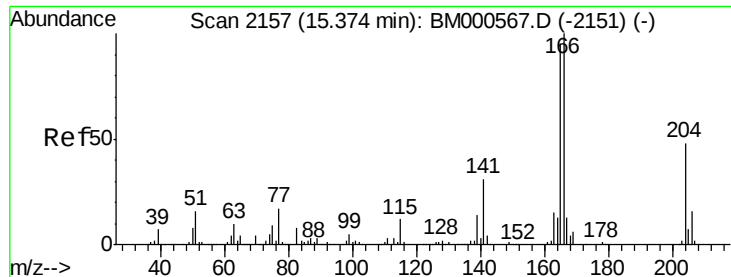
Tgt Ion:165 Resp: 5710
 Ion Ratio Lower Upper
 165 100
 89 0.0 47.8 71.8#
 121 27.3 18.1 27.1#



#50
 4-Nitrophenol
 Concen: 0.04 ng/ul
 RT: 14.54 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

Tgt Ion:109 Resp: 116
 Ion Ratio Lower Upper
 109 100
 139 185.2 78.2 117.4#
 65 448.2 93.7 140.5#

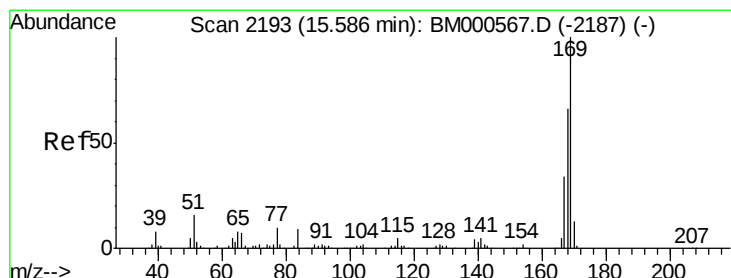
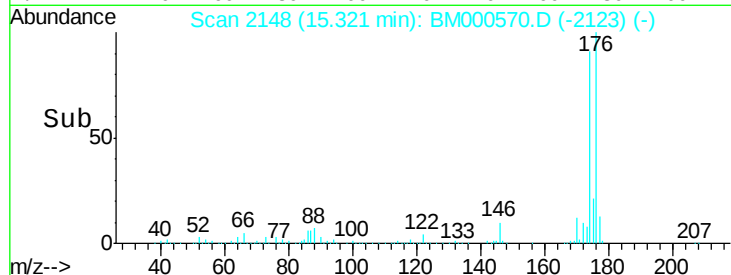
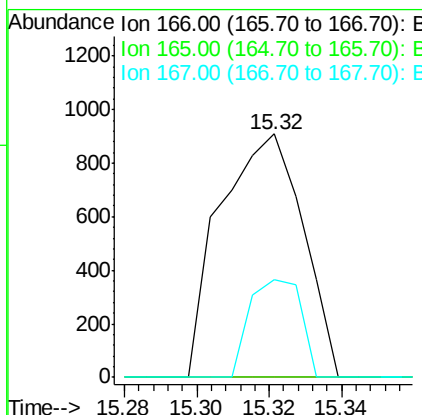
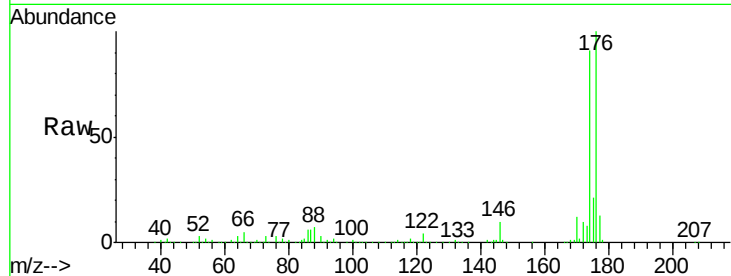




#56
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.05 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

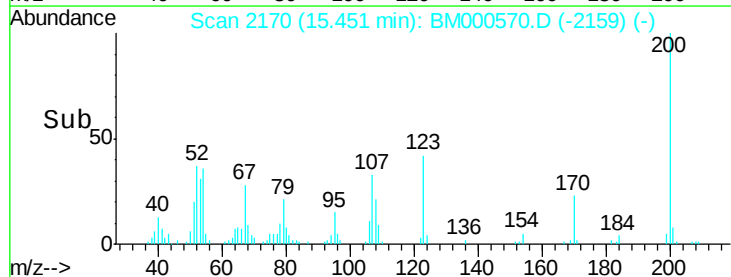
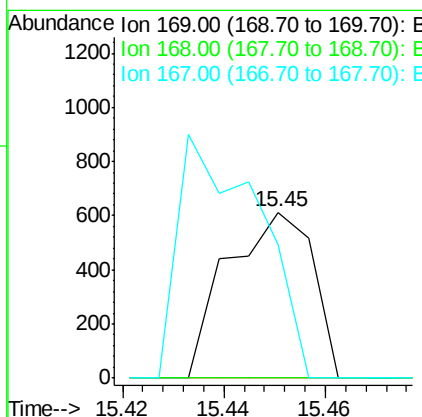
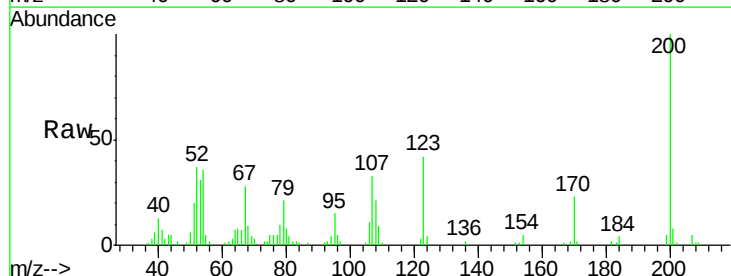
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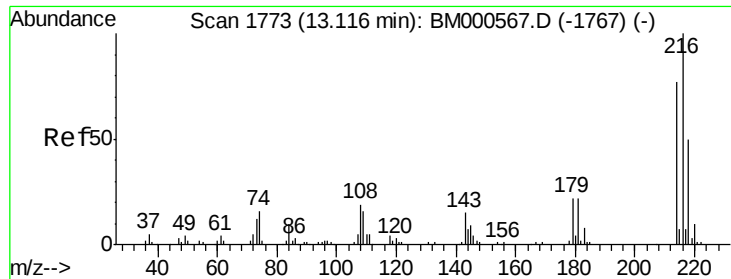
Tgt Ion:166 Resp: 1441
 Ion Ratio Lower Upper
 166 100
 165 0.0 74.4 111.6#
 167 39.9 10.2 15.4#



#62
 N-Nitrosodiphenylamine
 Concen: 0.05 ng/ul
 RT: 15.45 min Scan# 2170
 Delta R.T. -0.14 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

Tgt Ion:169 Resp: 714
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.3 79.9#
 167 80.6 29.4 44.2#

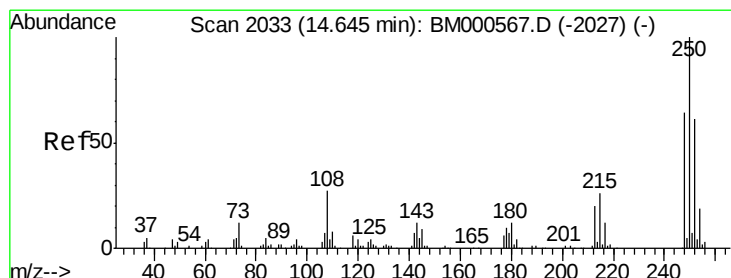
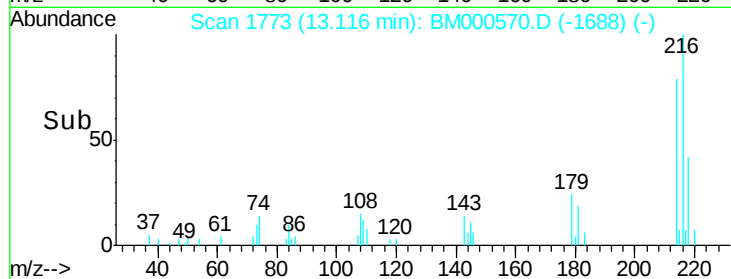
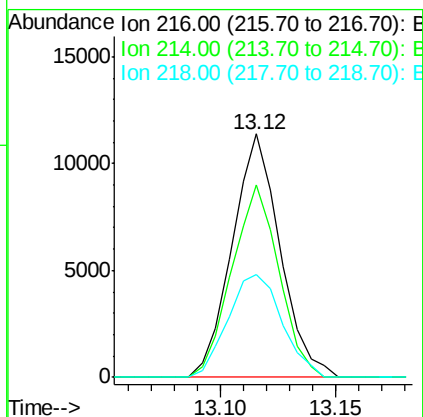
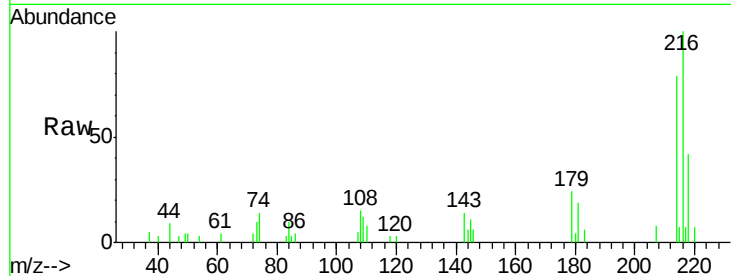




#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.19 ng/uL
 RT: 13.12 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

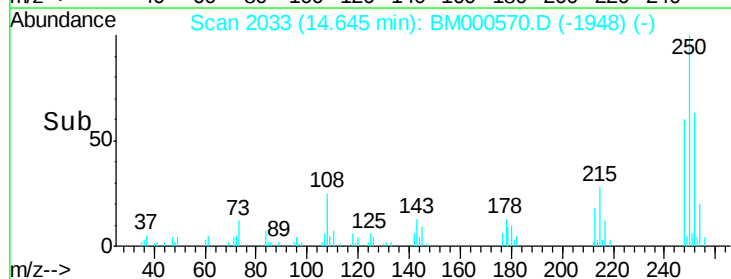
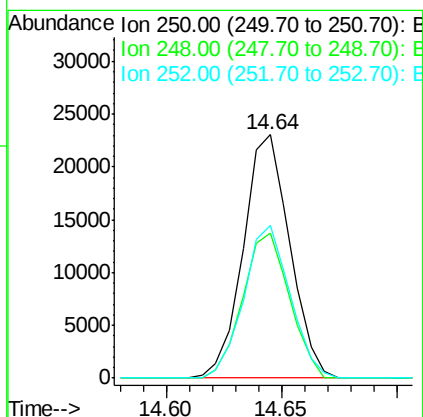
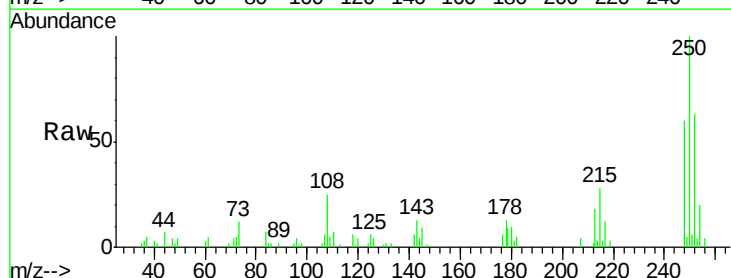
Instrument :
 BNA_M
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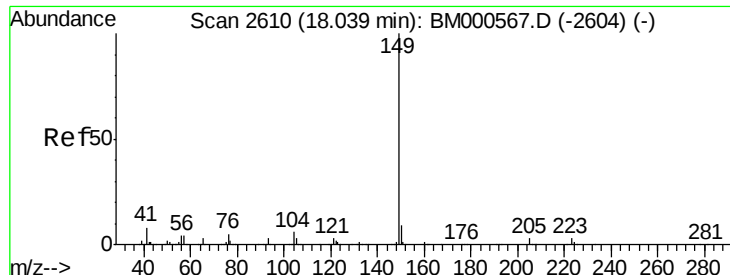
Tgt Ion: 216 Resp: 16451
 Ion Ratio Lower Upper
 216 100
 214 79.2 59.1 88.7
 218 42.0 37.6 56.4



#71
 Pentachlorobenzene
 Concen: 4.50 ng/uL
 RT: 14.64 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BM000570.D
 Acq: 20 Feb 2015 22:03

Tgt Ion: 250 Resp: 32359
 Ion Ratio Lower Upper
 250 100
 248 59.6 52.4 78.6
 252 62.6 51.5 77.3





#73

Di-n-butylphthalate

Concen: 0.02 ng/ul

RT: 18.04 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

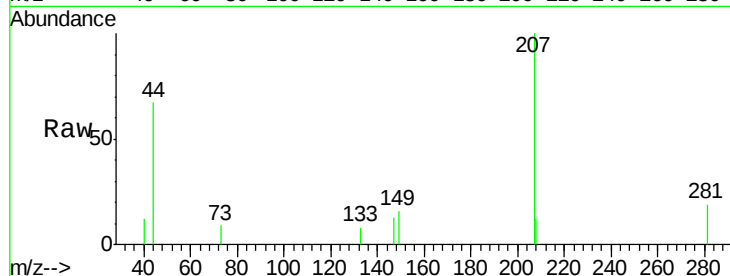
Tgt Ion:149 Resp: 627

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

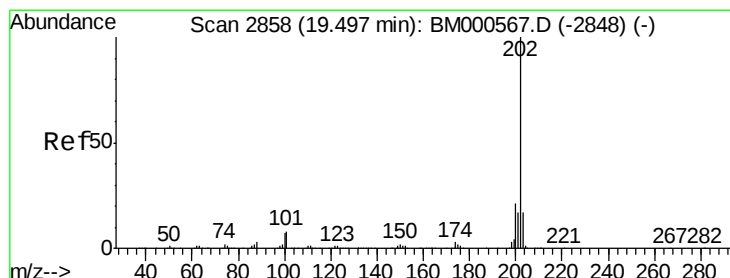
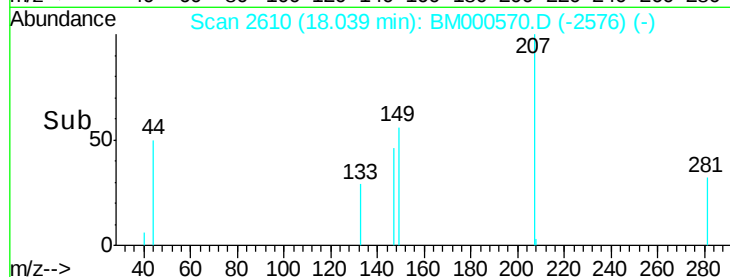
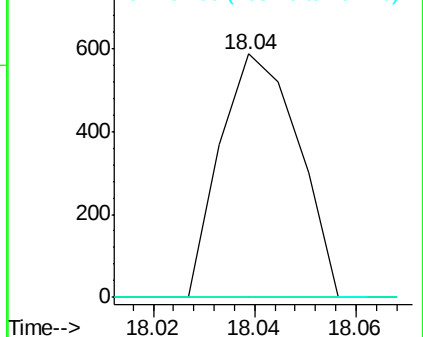
104 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Pyrene

Concen: 0.03 ng/ul

RT: 19.46 min Scan# 2852

Delta R.T. -0.04 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

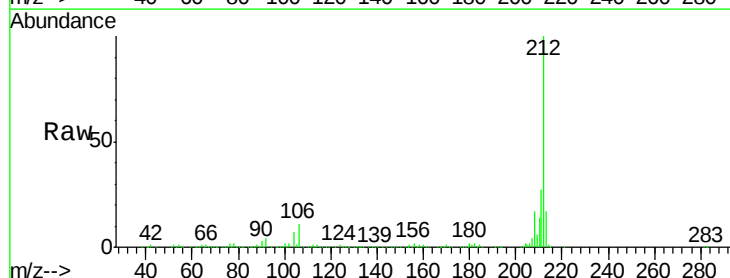
Tgt Ion:202 Resp: 1071

Ion Ratio Lower Upper

202 100

101 194.2 7.2 10.8#

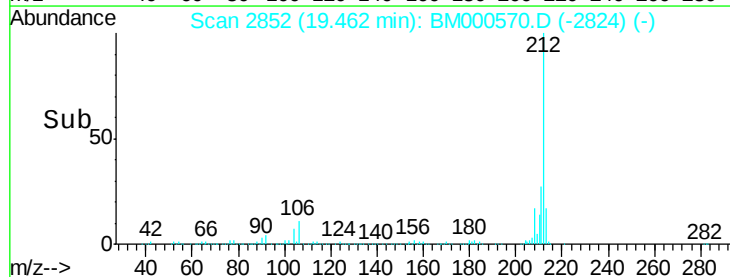
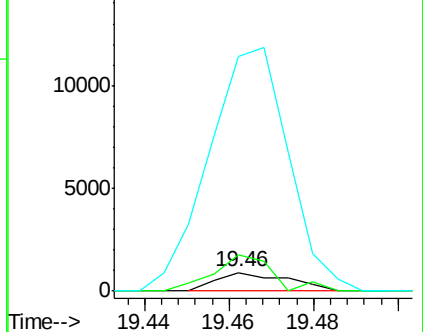
100 1250.6 5.9 8.9#

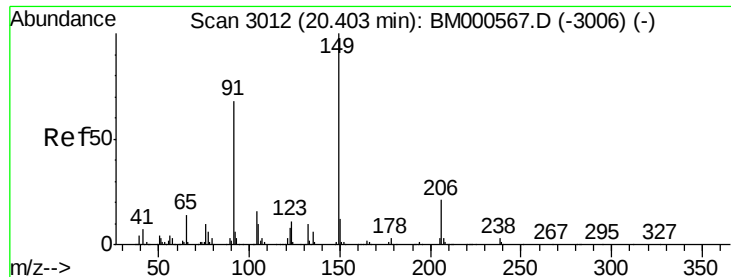


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

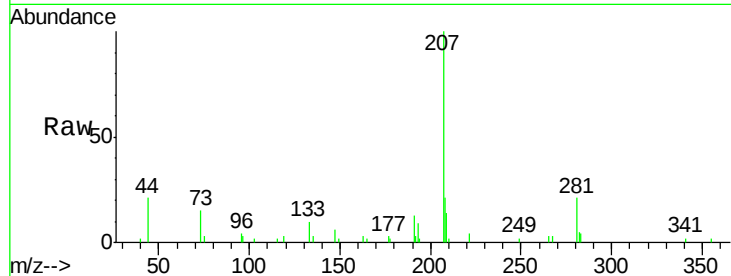




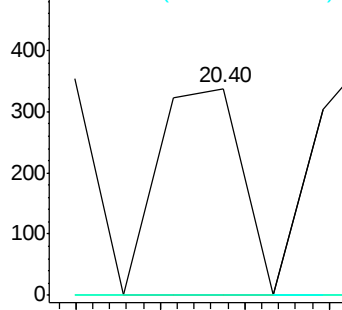
#78
Butylbenzylphthalate
Concen: 0.02 ng/ul
RT: 20.40 min Scan# 3011
Delta R.T. -0.01 min
Lab File: BM000570.D
Acq: 20 Feb 2015 22:03

Instrument :
BNA_M
ClientSampled :
MDL-02-S

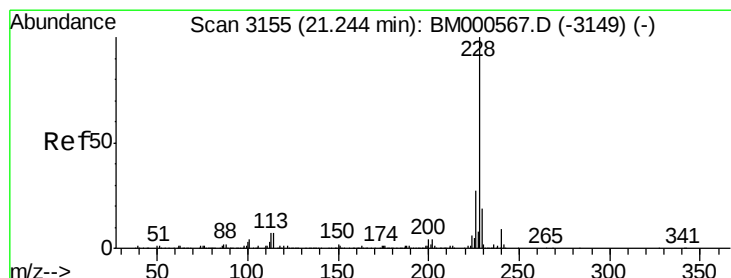
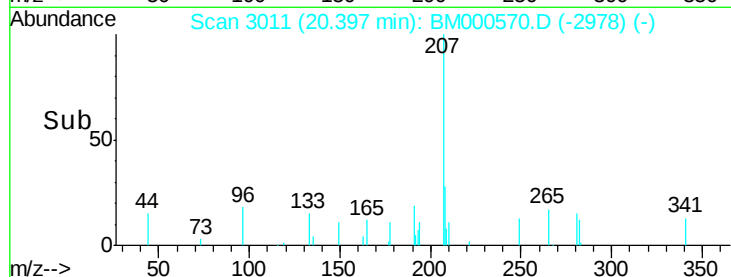
Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	53.9	80.9#
206	0.0	17.2	25.8#



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

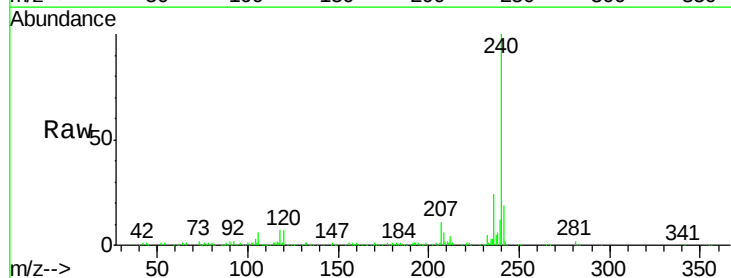


Time-->

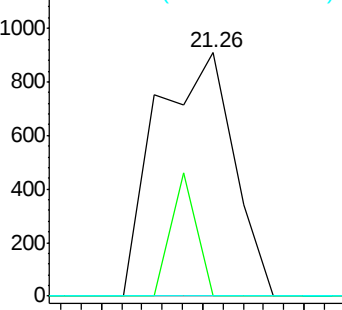


#80
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.26 min Scan# 3158
Delta R.T. 0.02 min
Lab File: BM000570.D
Acq: 20 Feb 2015 22:03

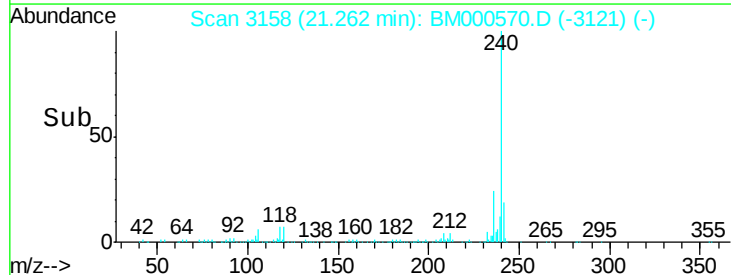
Tgt Ion	Ratio	Lower	Upper
228	100		
229	0.0	15.1	22.7#
226	0.0	20.4	30.6#

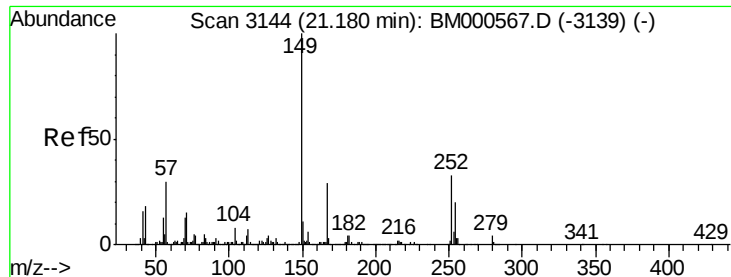


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#81

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng/ul

RT: 21.17 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

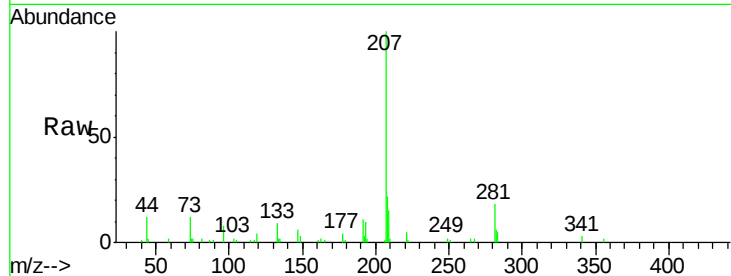
Instrument :

BNA_M

ClientSampled :

MDL-02-S

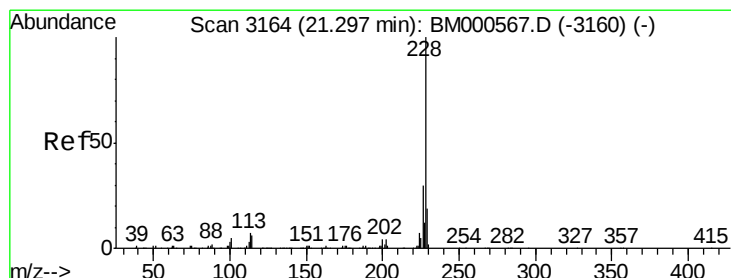
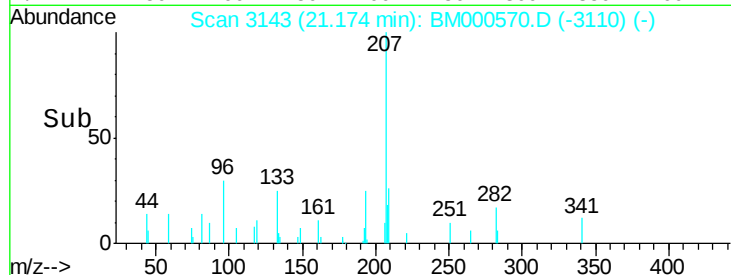
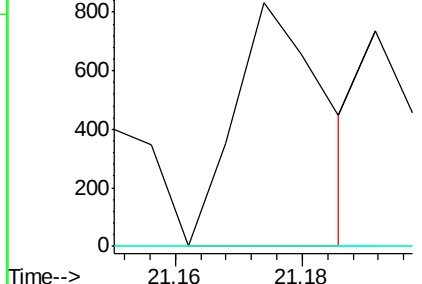
Tgt Ion:	149	Resp:	807
Ion Ratio	Lower	Upper	
149	100		
167	0.0	23.8	35.6#
279	0.0	3.4	5.2#



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

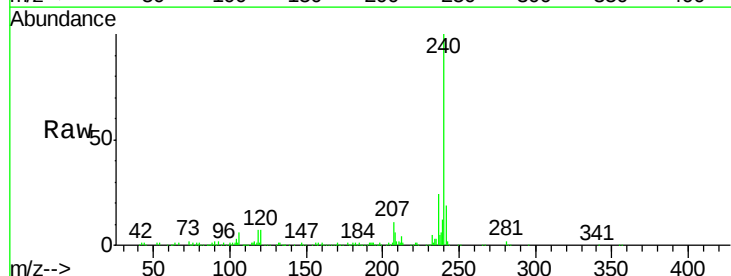
RT: 21.26 min Scan# 3158

Delta R.T. -0.04 min

Lab File: BM000570.D

Acq: 20 Feb 2015 22:03

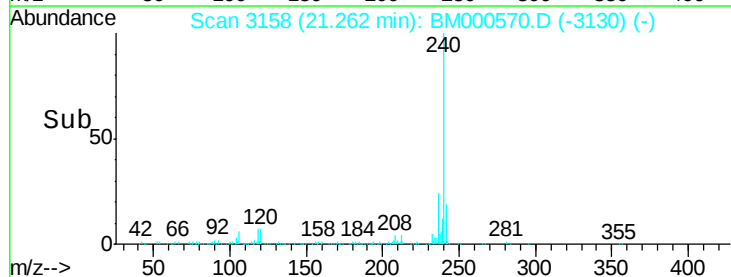
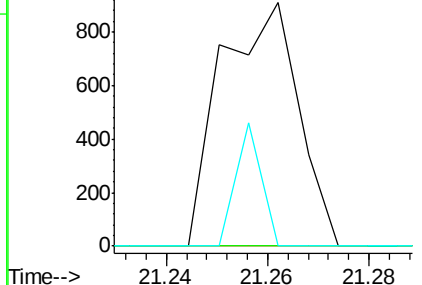
Tgt Ion:	228	Resp:	960
Ion Ratio	Lower	Upper	
228	100		
226	0.0	23.0	34.6#
229	0.0	15.3	22.9#

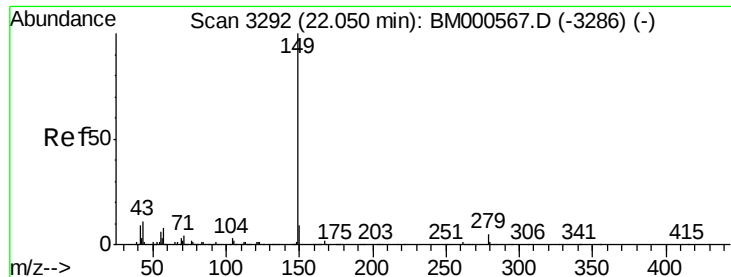


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

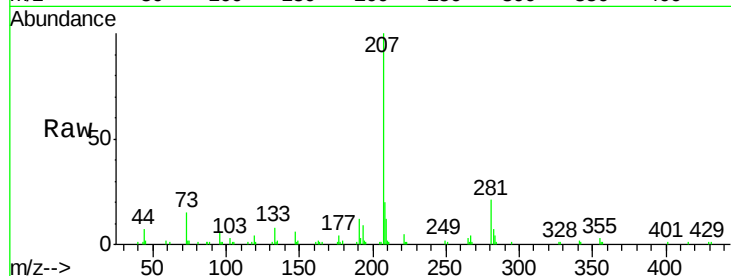




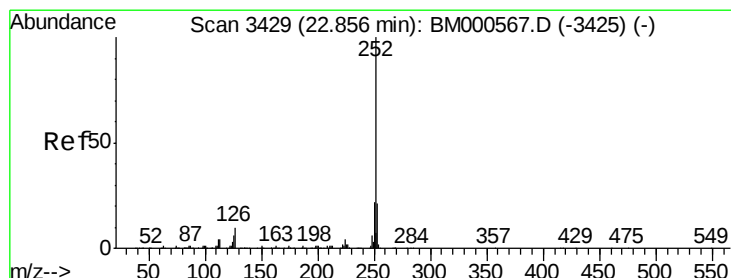
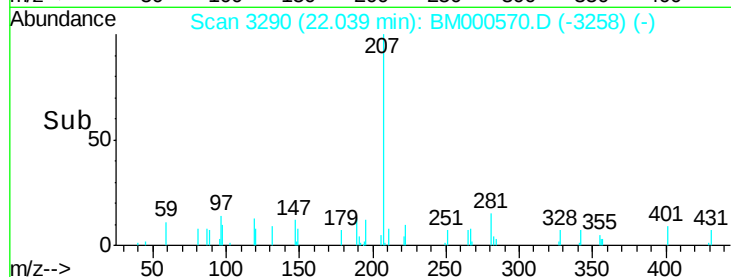
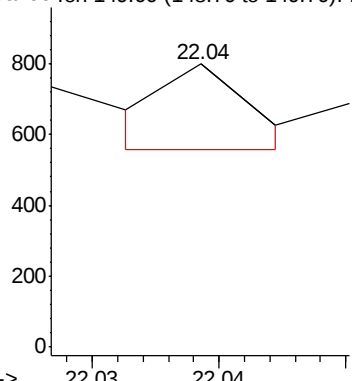
#84
Di-n-octyl phthalate
Concen: 0.00 ng/ul
RT: 22.04 min Scan# 3290
Delta R.T. -0.01 min
Lab File: BM000570.D
Acq: 20 Feb 2015 22:03

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tgt Ion:149 Resp: 108

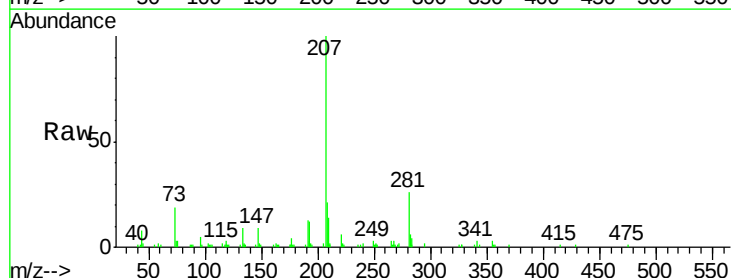


Abundance Ion 149.00 (148.70 to 149.70): E

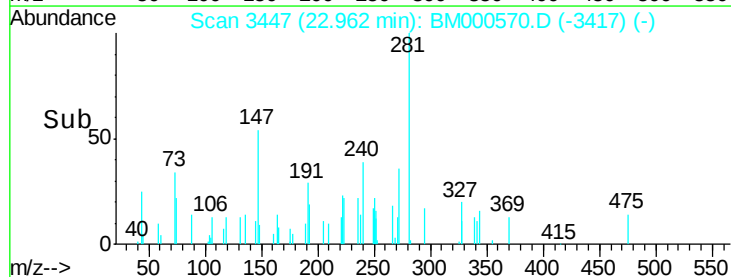
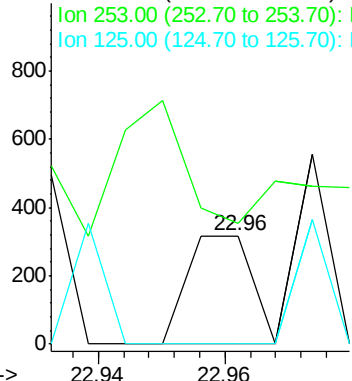


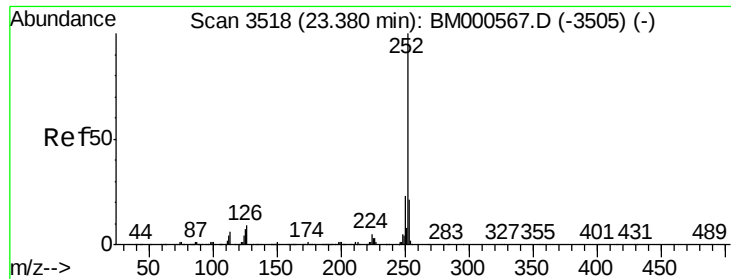
#86
Benzo(k)fluoranthene
Concen: 0.01 ng/ul
RT: 22.96 min Scan# 3447
Delta R.T. 0.11 min
Lab File: BM000570.D
Acq: 20 Feb 2015 22:03

Tgt Ion:252 Resp: 223
Ion Ratio Lower Upper
252 100
253 111.0 17.1 25.7#
125 0.0 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E





#88

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.36 min Scan# 3515

Delta R.T. -0.02 min

Lab File: BM000570.D

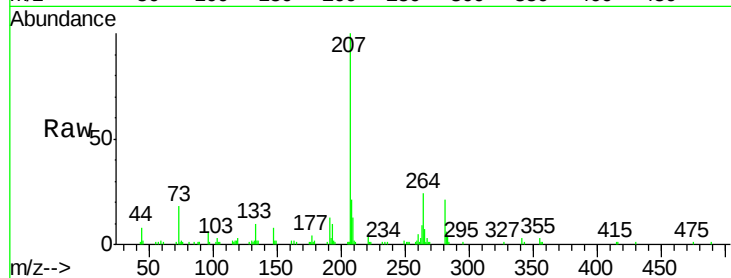
Acq: 20 Feb 2015 22:03

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



Tgt Ion:	252	Resp:	249
Ion	Ratio	Lower	Upper
252	100		
253	128.4	17.5	26.3#
125	0.0	5.4	8.0#

