

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020415\
 Data File : BM000418.D
 Acq On : 04 Feb 2015 14:59
 Operator : TP/IZ
 Sample : G1147-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1G12

Quant Time: Feb 05 07:51:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 05 07:40:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	149607	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	652424	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	445651	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1028492	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	968445	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	804449	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18009	7.31	ng/uL	0.00
5) Phenol-d5	6.92	99	530725	49.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	300977	46.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	432446	48.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	474867	51.32	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	221634	54.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	260347	55.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	547960	53.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	579432	60.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	2150181	65.09	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2360729	55.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	383551	68.77	ng/ul	0.00
57) Fluorene-d10	15.39	176	1857980	57.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	375666	66.84	ng/ul	0.00
70) Anthracene-d10	17.25	188	3323804	70.22	ng/ul	0.00
76) Pyrene-d10	19.54	212	3665458	75.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	2727231	73.75	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.89	77	390302	113.88	ng/ul 96
6) Phenol	6.94	94	12340	1.13	ng/ul 96
10) 2-Chlorophenol	7.32	128	394984	43.86	ng/ul 98
14) Acetophenone	8.57	105	617432	40.33	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.46	70	14944	2.04	ng/ul# 1
16) 4-Methylphenol	8.51	108	128133	13.25	ng/ul# 78
17) Hexachloroethane	8.82	117	135846	32.99	ng/ul 96
21) Isophorone	9.63	82	31180	1.49	ng/ul# 71
27) 2,4-Dichlorophenol	10.19	162	548425	54.33	ng/ul 97
28) Naphthalene	10.59	128	1438991	44.25	ng/ul 99
32) Caprolactam	11.50	113	18075	6.38	ng/ul 90
34) 2-Methylnaphthalene	12.21	142	1199062	47.88	ng/ul 94
41) 2-Chloronaphthalene	13.27	162	1376229	51.00	ng/ul 99
44) Dimethylphthalate	13.85	163	100487	2.79	ng/ul 100
49) Acenaphthene	14.46	153	824983	28.64	ng/ul 99
58) Fluorene	15.45	166	1145958	32.08	ng/ul 97
60) 4-Nitroaniline	15.45	138	14971	2.17	ng/ul# 1
63) 4,6-Dinitro-2-methylphenol	15.53	198	513401	86.93	ng/ul 100
67) Atrazine	16.62	200	743683	68.92	ng/ul 98
69) Phenanthrene	17.19	178	2501670	45.22	ng/ul 100
71) Anthracene	17.19	178	2502562	44.62	ng/ul 98
72) Carbazole	17.55	167	3609808	74.73	ng/ul 99
77) Pyrene	19.57	202	3762387	58.71	ng/ul 99

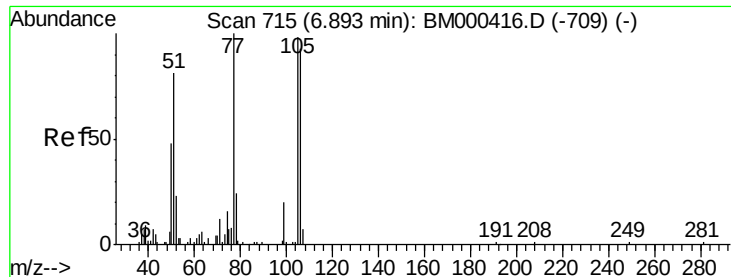
Data Path : Z:\HPCHEM1\BNA_M\Data\BM020415\
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Quant Time: Feb 05 07:51:25 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 05 07:40:45 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Butylbenzylphthalate	20.47	149	1576653	70.07	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.25	149	2011950	63.88	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.88	276	2754019	60.92	ng/ul	99
90) Dibenzo(a,h)anthracene	25.89	278	1821891	48.03	ng/ul	99
91) Benzo(g,h,i)perylene	26.58	276	1741189	46.26	ng/ul	99

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



#4

Benzaldehyde

Concen: 113.88 ng/ul

RT: 6.89 min Scan# 715

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

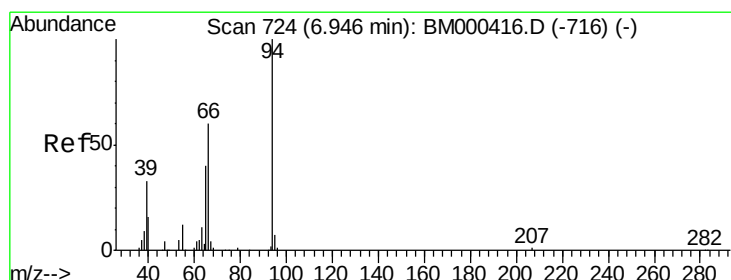
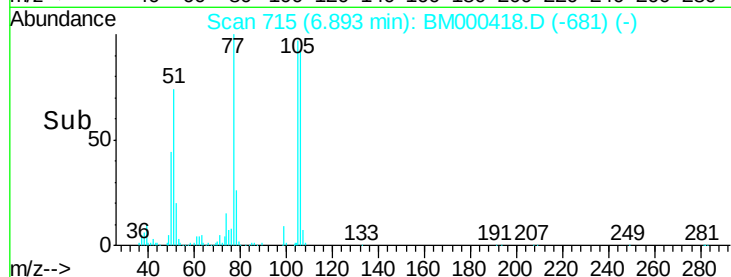
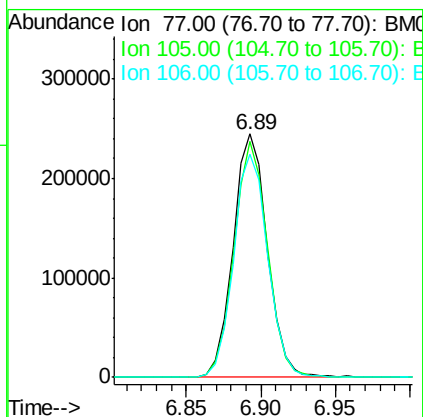
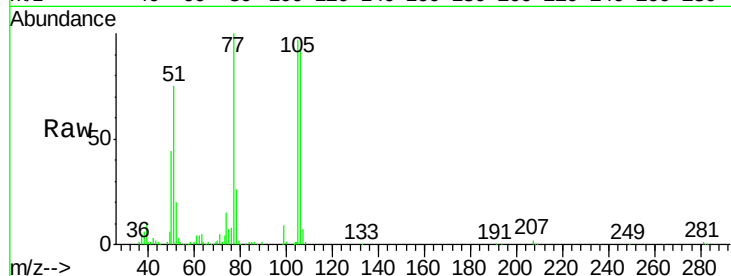
Tgt Ion: 77 Resp: 390302

Ion Ratio Lower Upper

77 100

105 96.9 83.0 124.6

106 91.8 73.9 110.9



#6

Phenol

Concen: 1.13 ng/ul

RT: 6.94 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

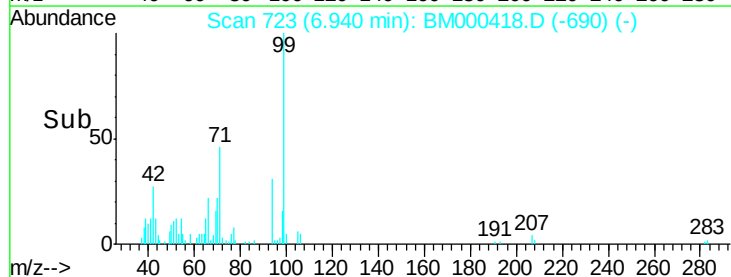
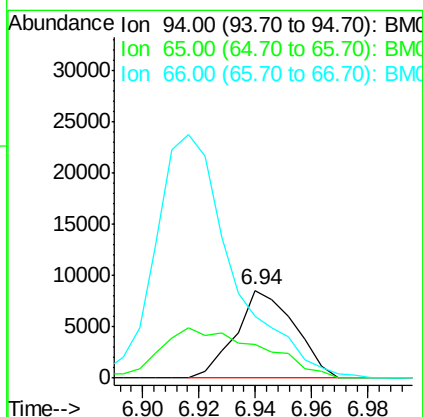
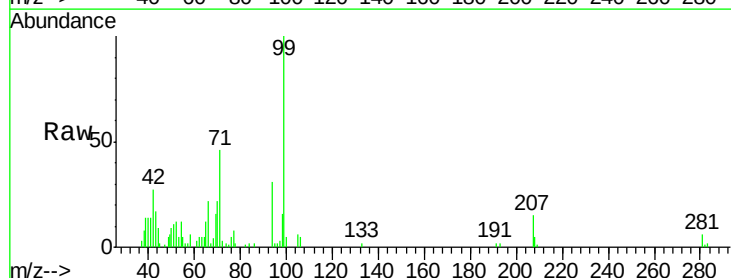
Tgt Ion: 94 Resp: 12340

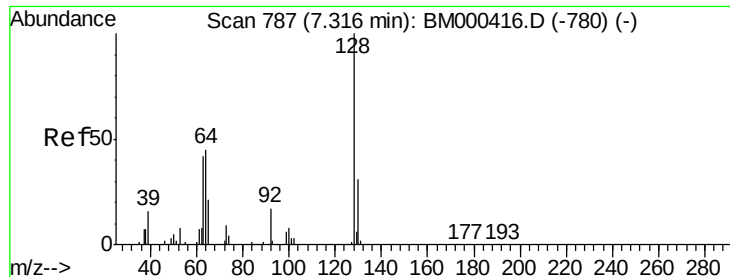
Ion Ratio Lower Upper

94 100

65 38.2 32.2 48.4

66 70.6 53.4 80.0

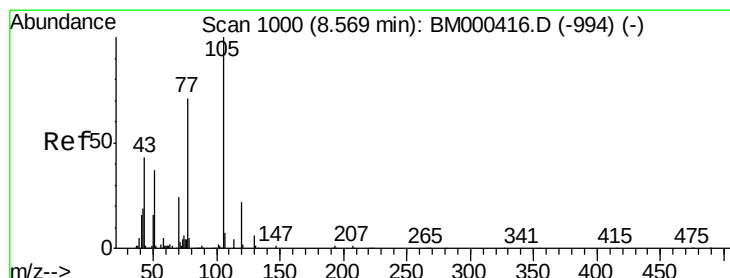
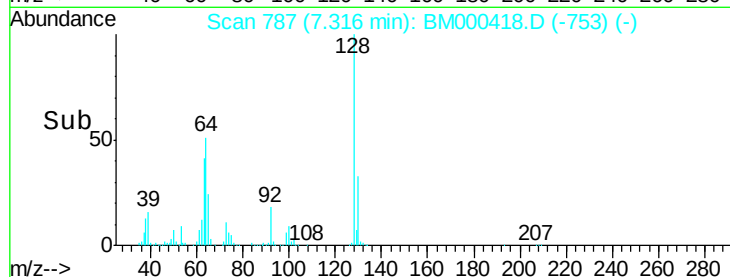
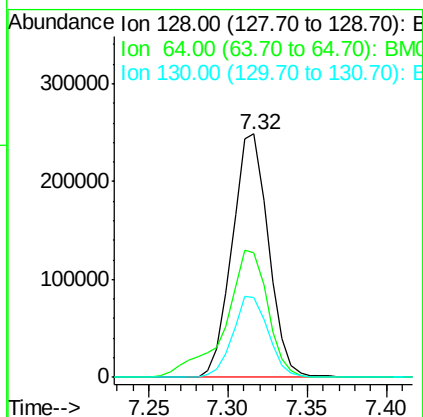
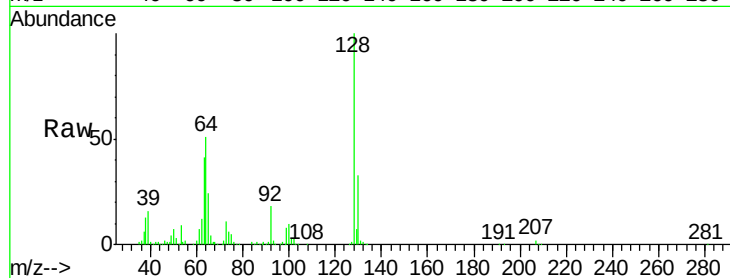




#10
 2-Chlorophenol
 Concen: 43.86 ng/ul
 RT: 7.32 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

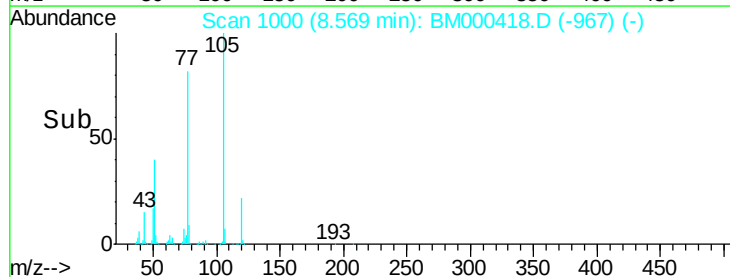
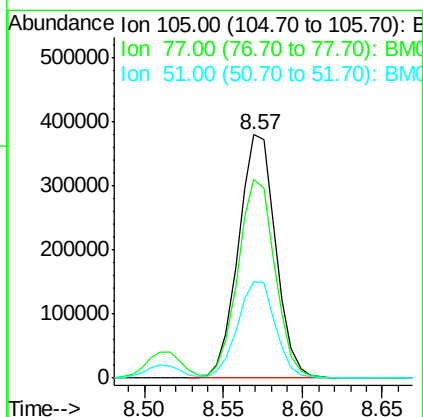
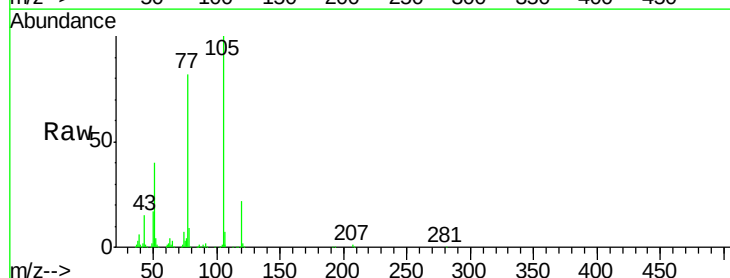
Instrument :
 BNA_M
 ClientSampleId :
 X1G12

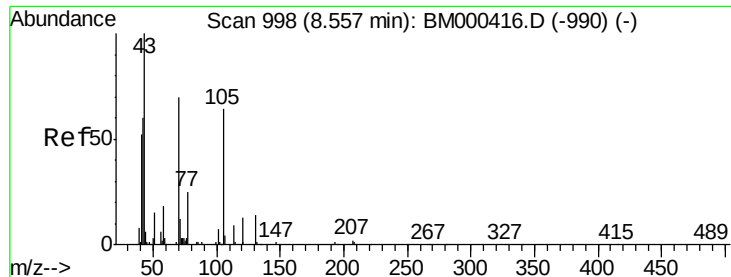
Tgt Ion	Ratio	Lower	Upper
128	100		
64	51.0	42.2	63.2
130	32.7	25.8	38.6



#14
 Acetophenone
 Concen: 40.33 ng/ul
 RT: 8.57 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
77	81.6	65.2	97.8
51	39.8	35.3	52.9





#15

N-Nitroso-di-n-propylamine

Concen: 2.04 ng/ul

RT: 8.46 min Scan# 981

Delta R.T. -0.10 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

Tgt Ion: 70 Resp: 14944

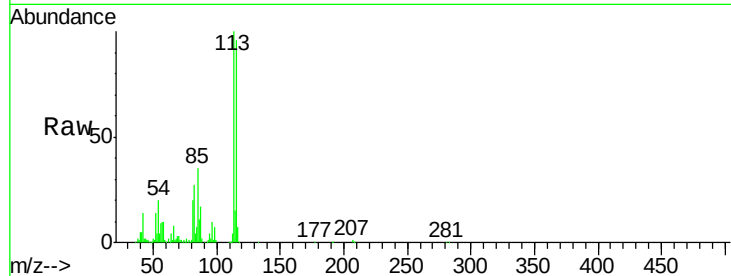
Ion Ratio Lower Upper

70 100

42 424.6 70.3 105.5#

101 0.0 8.6 13.0#

130 0.0 17.3 25.9#

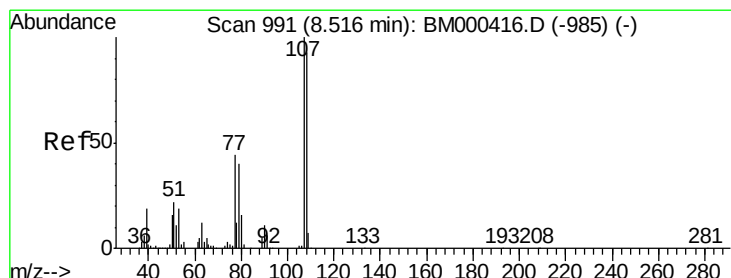
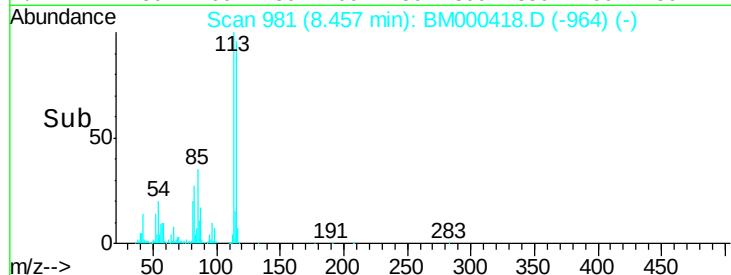
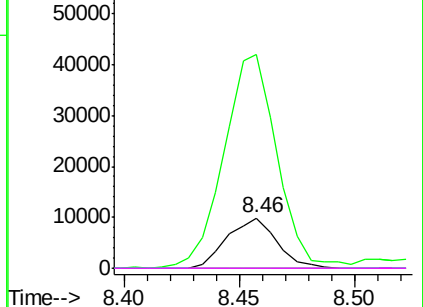


Abundance Ion 70.00 (69.70 to 70.70): BM0

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



#16

4-Methylphenol

Concen: 13.25 ng/ul

RT: 8.51 min Scan# 990

Delta R.T. -0.01 min

Lab File: BM000418.D

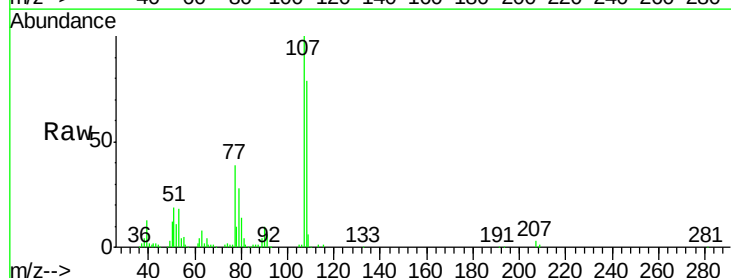
Acq: 04 Feb 2015 14:59

Tgt Ion: 108 Resp: 128133

Ion Ratio Lower Upper

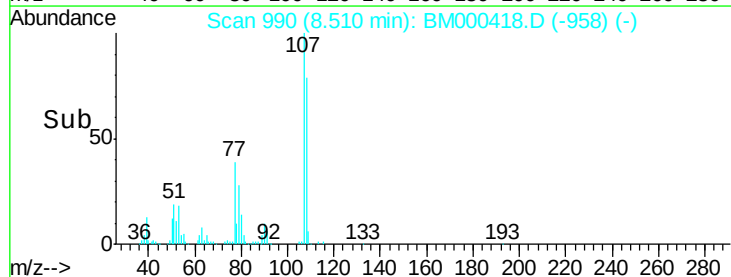
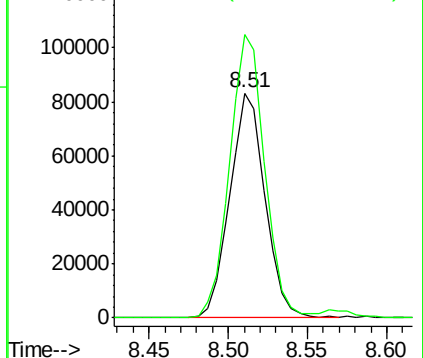
108 100

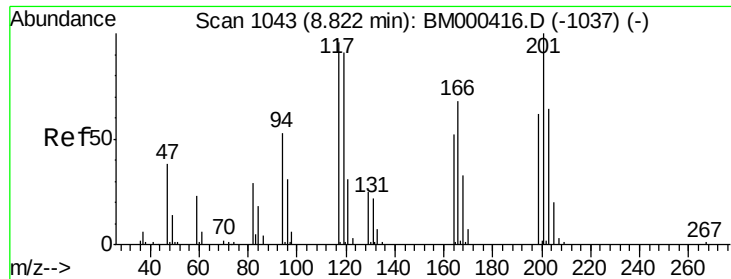
107 125.8 82.7 124.1#



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 32.99 ng/ul

RT: 8.82 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

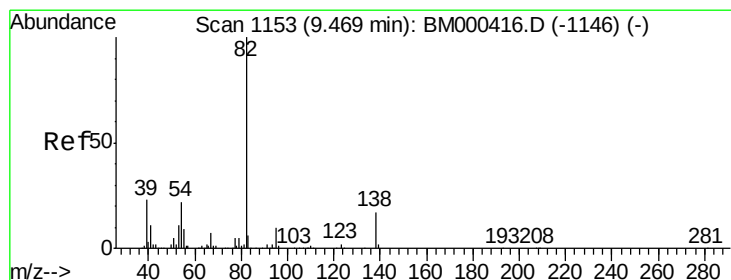
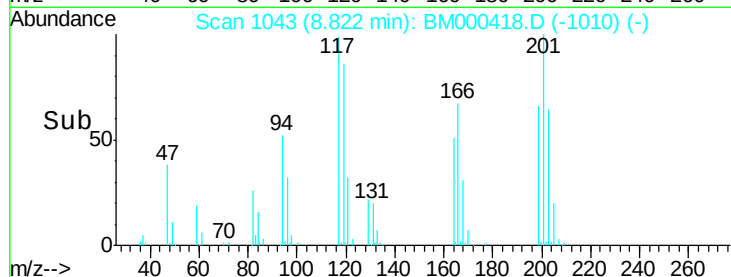
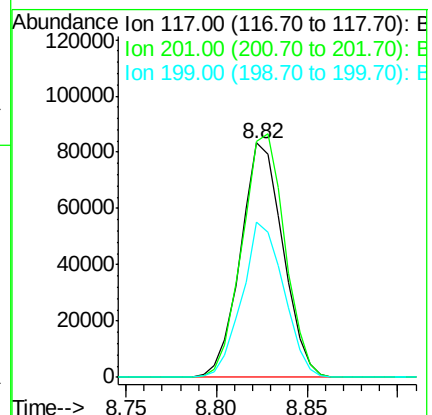
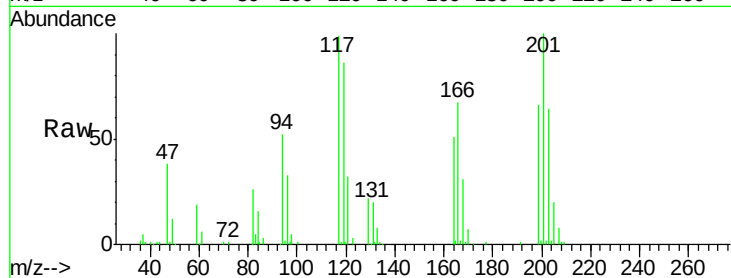
Tgt Ion: 117 Resp: 135846

Ion Ratio Lower Upper

117 100

201 100.9 79.1 118.7

199 66.3 48.7 73.1



#21

Isophorone

Concen: 1.49 ng/ul

RT: 9.63 min Scan# 1180

Delta R.T. 0.16 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

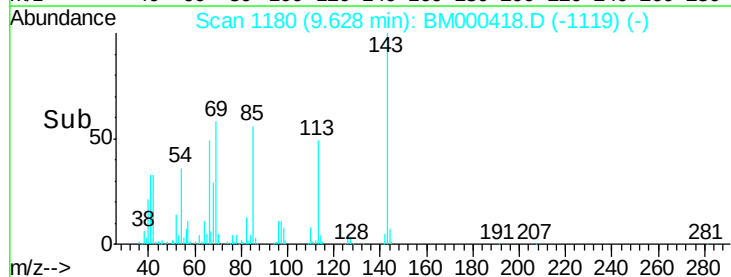
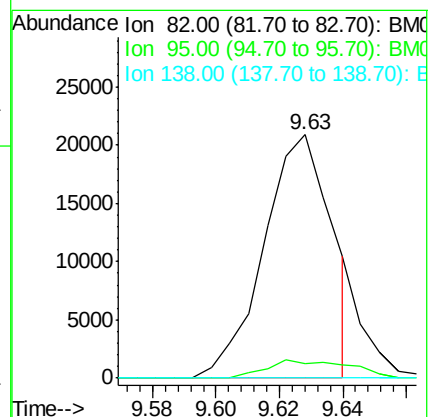
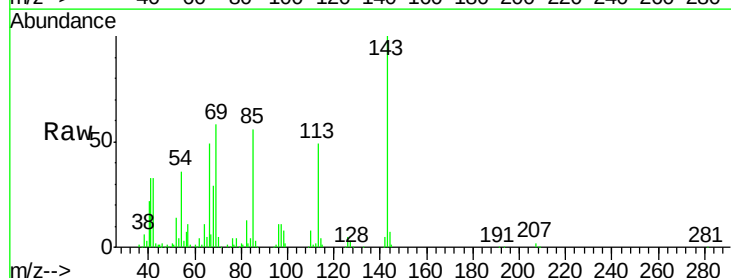
Tgt Ion: 82 Resp: 31180

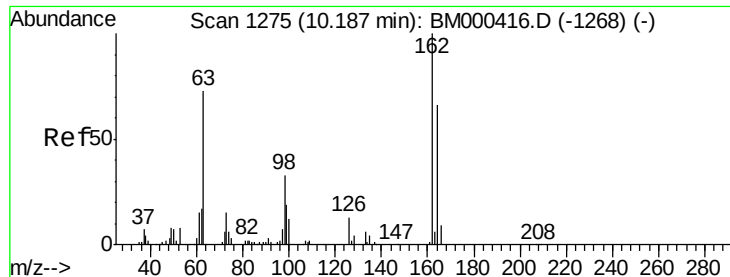
Ion Ratio Lower Upper

82 100

95 6.1 8.6 12.8#

138 0.0 13.8 20.8#

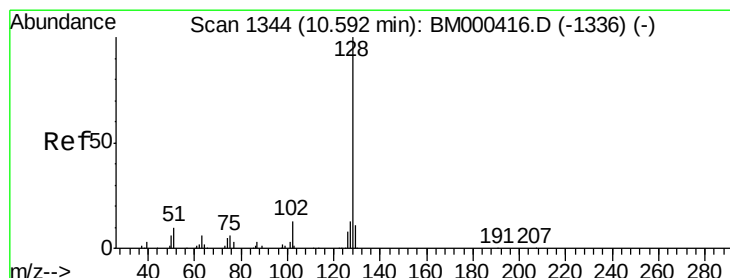
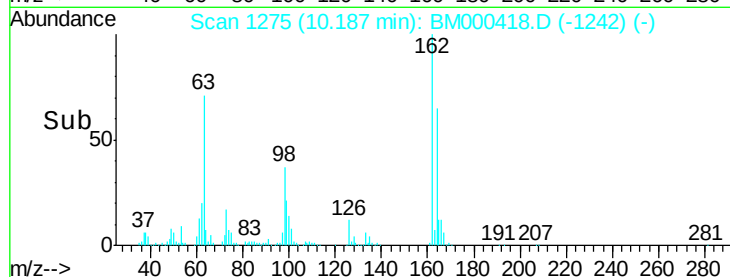
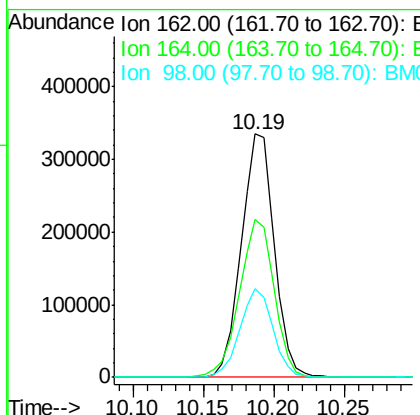
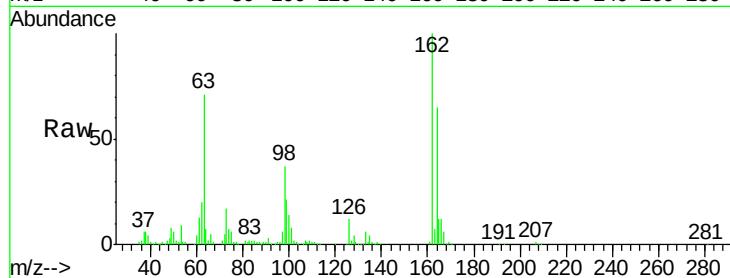




#27
 2,4-Dichlorophenol
 Concen: 54.33 ng/ul
 RT: 10.19 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

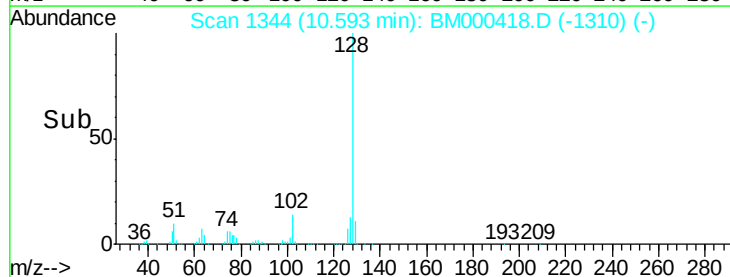
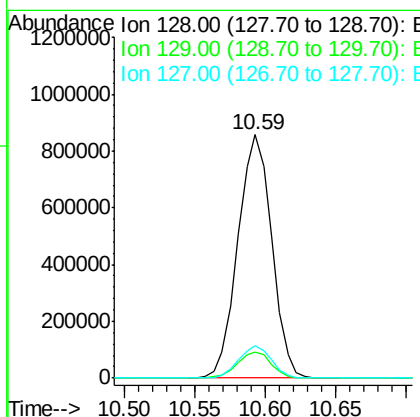
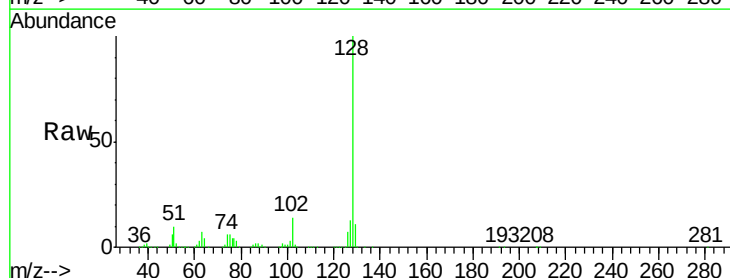
Instrument :
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 X1G12

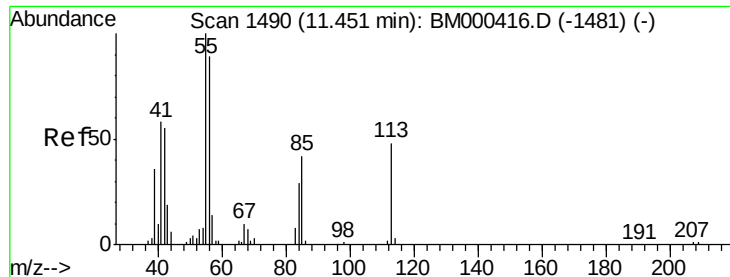
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	50.6	75.8
98	36.6	26.7	40.1



#28
 Naphthalene
 Concen: 44.25 ng/ul
 RT: 10.59 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.4	11.0	16.4





#32

Caprolactam

Concen: 6.38 ng/ul

RT: 11.50 min Scan# 1499

Delta R.T. 0.05 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

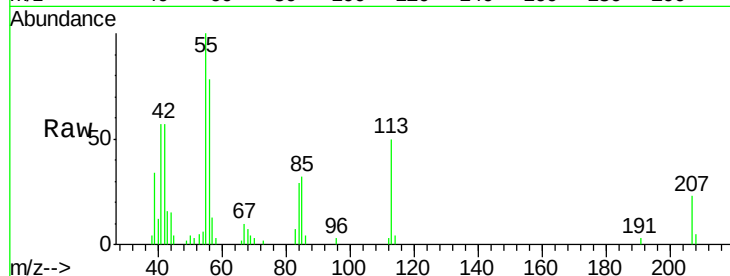
Tgt Ion:113 Resp: 18075

Ion Ratio Lower Upper

113 100

55 199.6 175.0 262.4

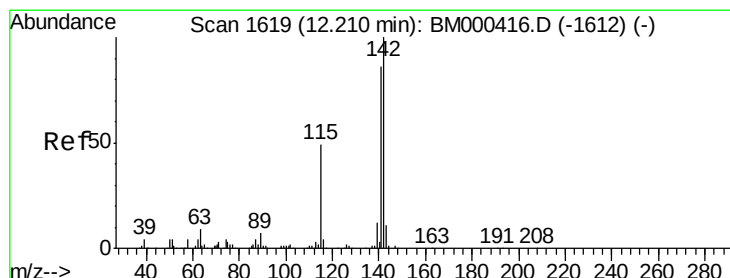
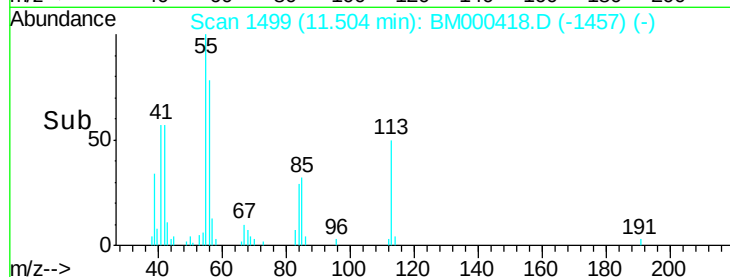
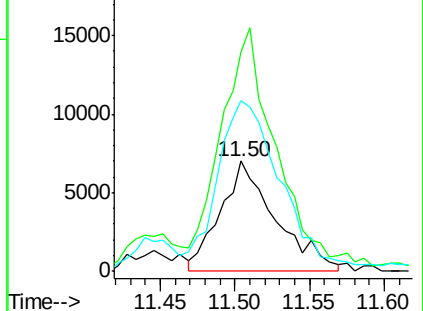
56 155.1 132.9 199.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 47.88 ng/ul

RT: 12.21 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BM000418.D

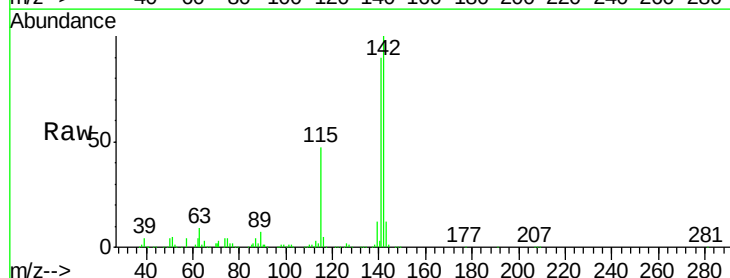
Acq: 04 Feb 2015 14:59

Tgt Ion:142 Resp: 1199062

Ion Ratio Lower Upper

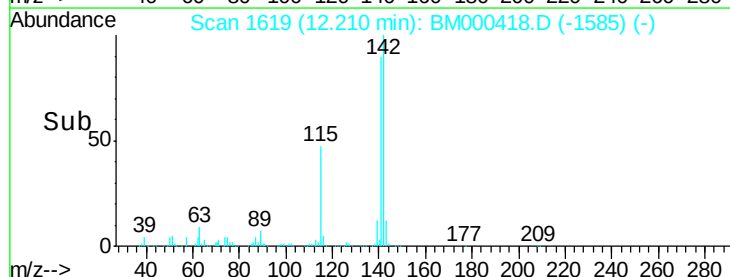
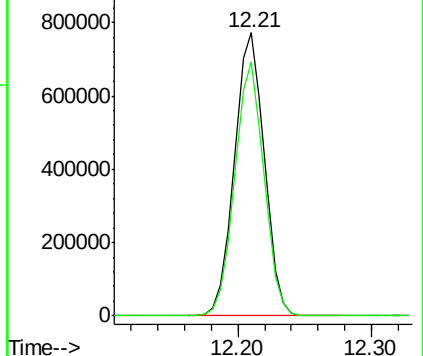
142 100

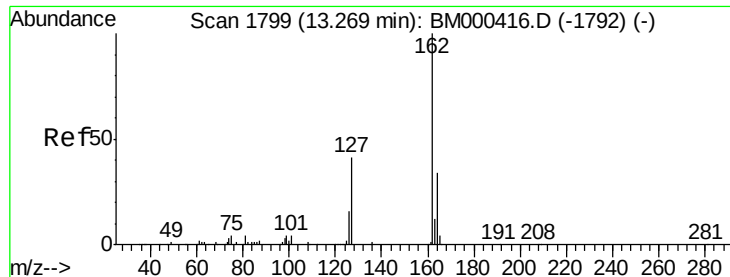
141 89.6 67.2 100.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

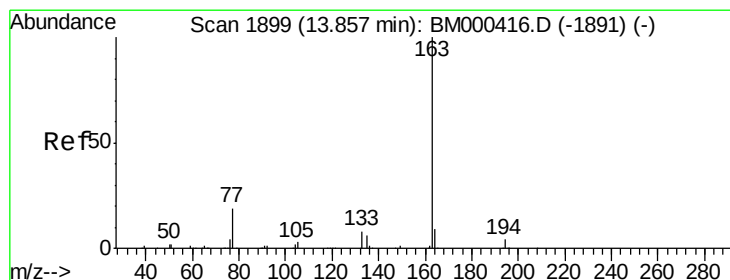
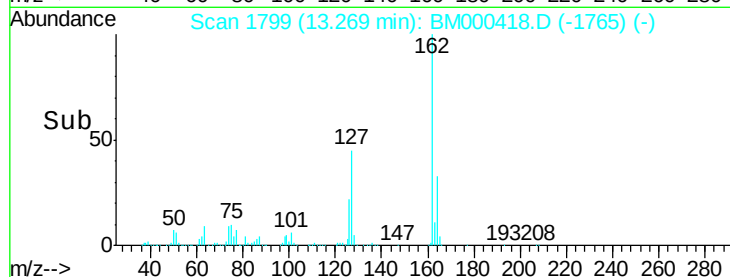
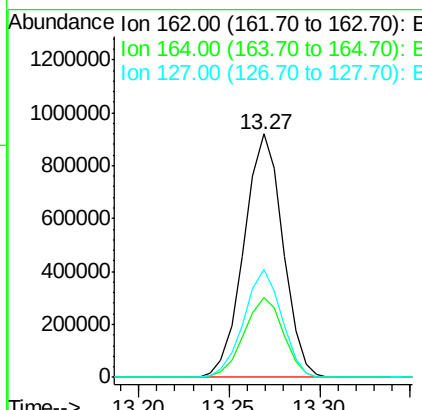
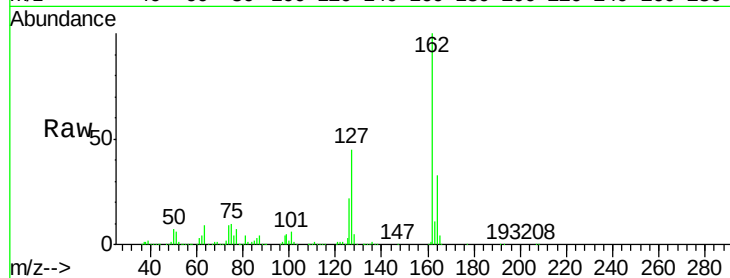




#41
2-Chloronaphthalene
Concen: 51.00 ng/ul
RT: 13.27 min Scan# 1799
Delta R.T. 0.00 min
Lab File: BM000418.D
Acq: 04 Feb 2015 14:59

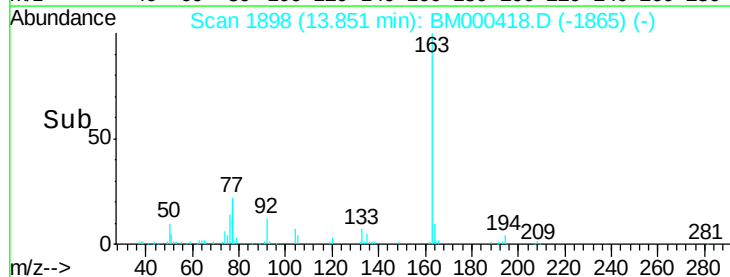
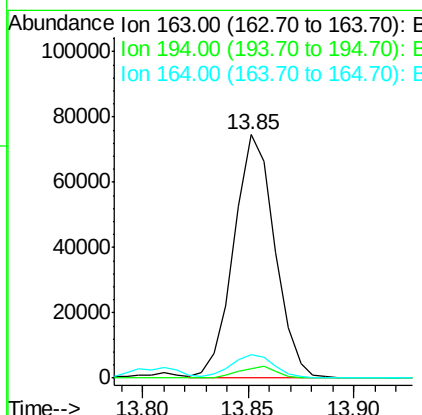
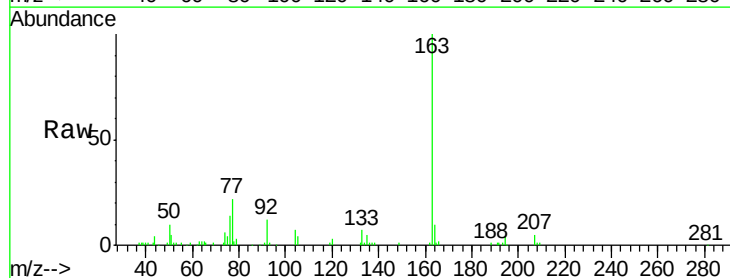
Instrument :
BNA_M
ClientSampleId :
X1G12

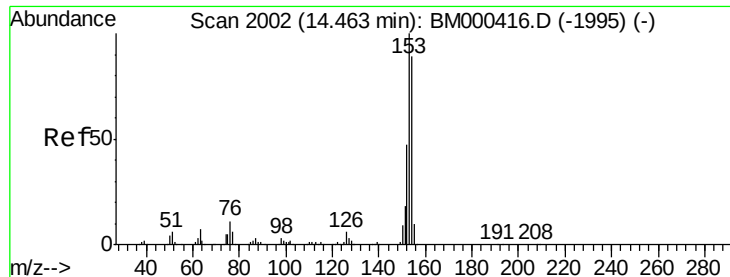
Tgt Ion:162 Resp: 1376229
Ion Ratio Lower Upper
162 100
164 32.8 26.9 40.3
127 44.5 35.3 52.9



#44
Dimethylphthalate
Concen: 2.79 ng/ul
RT: 13.85 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM000418.D
Acq: 04 Feb 2015 14:59

Tgt Ion:163 Resp: 100487
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.5 7.8 11.6





#49

Acenaphthene

Concen: 28.64 ng/ul

RT: 14.46 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

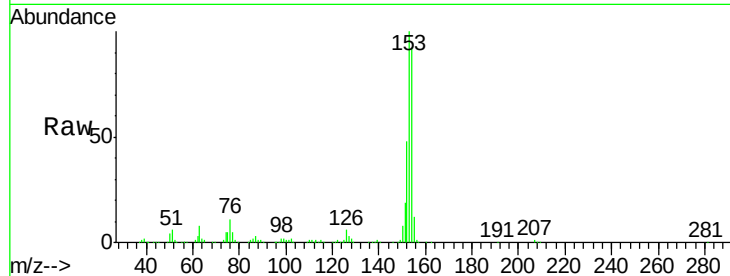
Tgt Ion:153 Resp: 824983

Ion Ratio Lower Upper

153 100

152 48.1 38.6 58.0

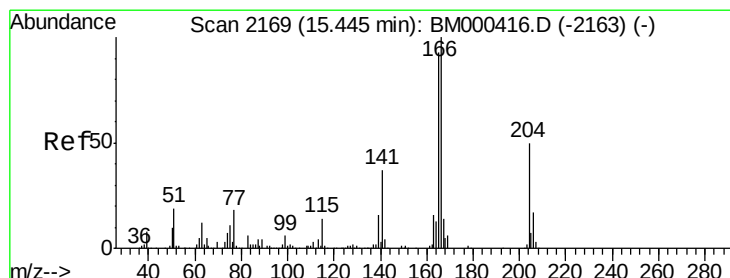
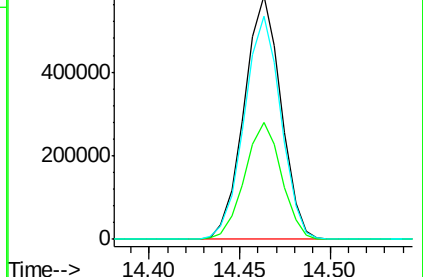
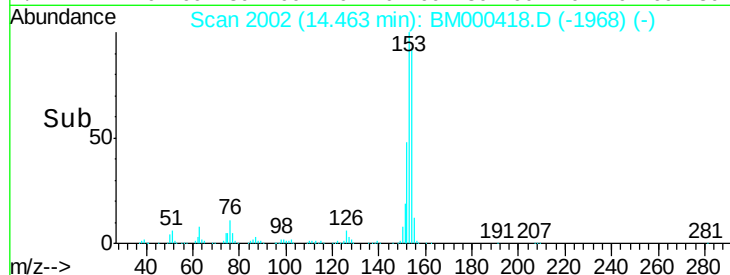
154 91.8 75.0 112.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 32.08 ng/ul

RT: 15.45 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

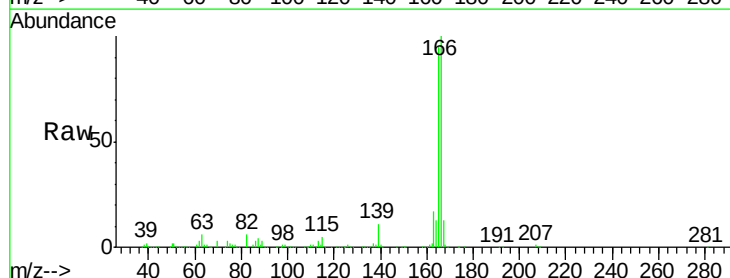
Tgt Ion:166 Resp: 1145958

Ion Ratio Lower Upper

166 100

165 95.4 79.1 118.7

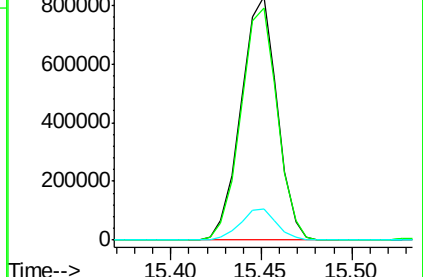
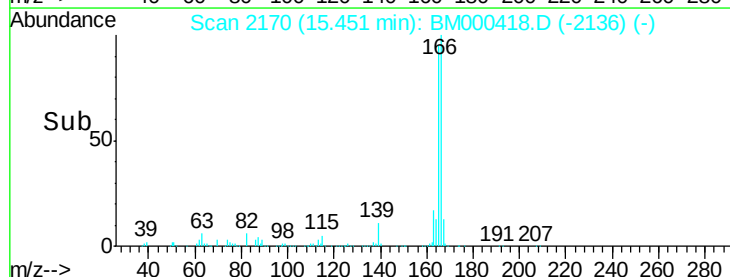
167 13.0 10.8 16.2

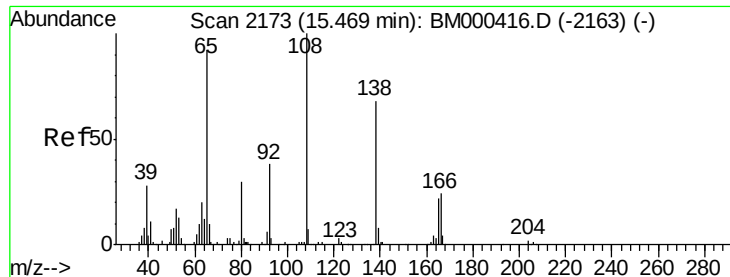


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

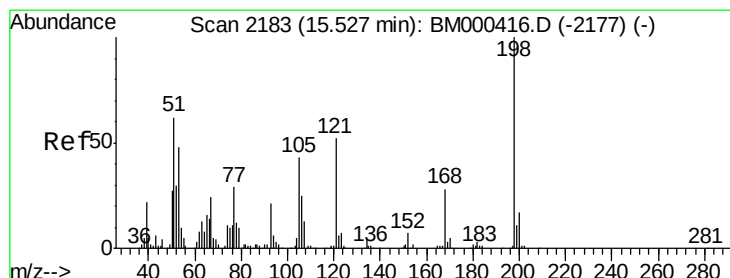
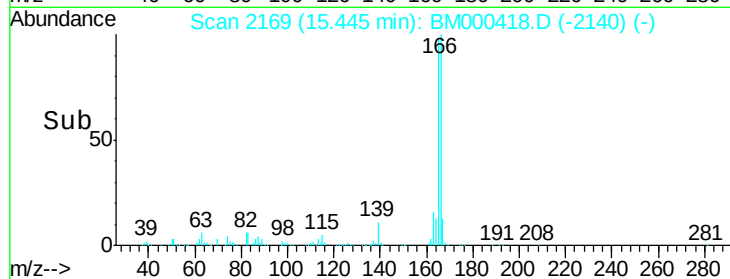
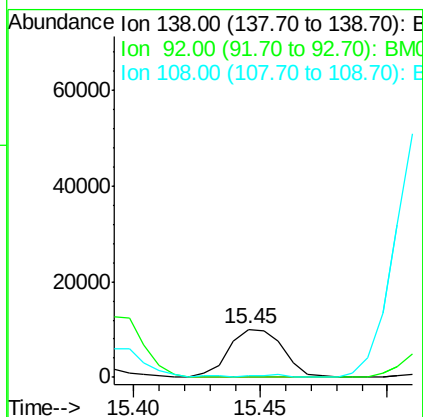
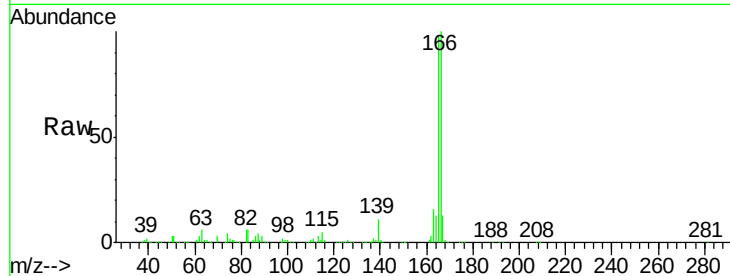




#60
4-Nitroaniline
Concen: 2.17 ng/ul
RT: 15.45 min Scan# 2169
Delta R.T. -0.03 min
Lab File: BM000418.D
Acq: 04 Feb 2015 14:59

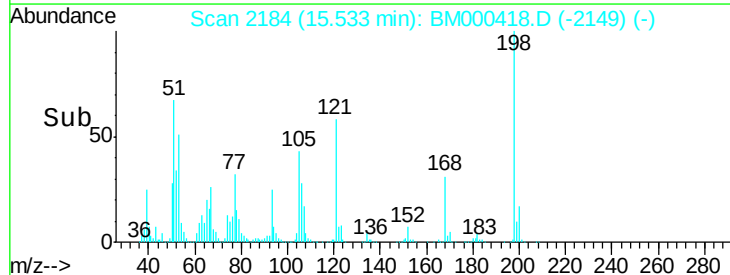
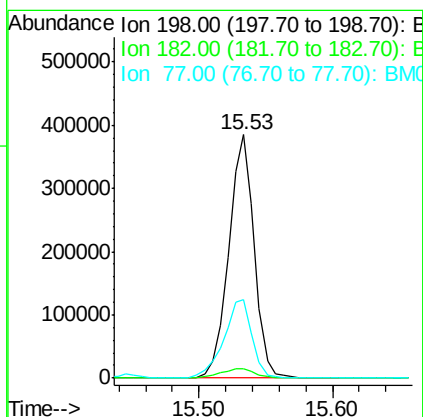
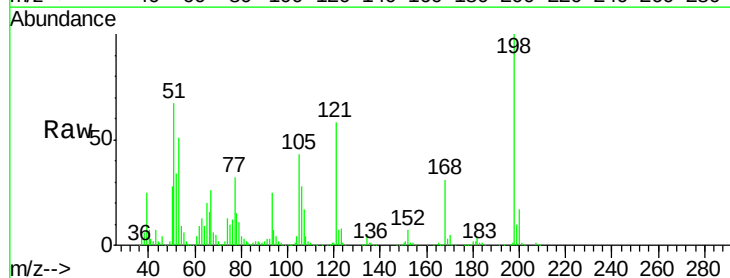
Instrument :
BNA_M
ClientSampleId :
X1G12

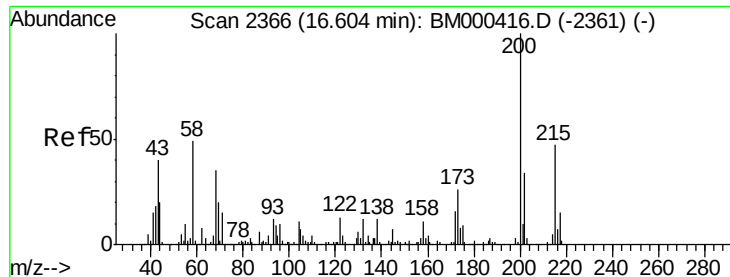
Tgt Ion:138 Resp: 14971
Ion Ratio Lower Upper
138 100
92 0.0 42.5 63.7#
108 4.3 120.5 180.7#



#63
4,6-Dinitro-2-methylphenol
Concen: 86.93 ng/ul
RT: 15.53 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BM000418.D
Acq: 04 Feb 2015 14:59

Tgt Ion:198 Resp: 513401
Ion Ratio Lower Upper
198 100
182 3.8 2.9 4.3
77 32.4 26.1 39.1

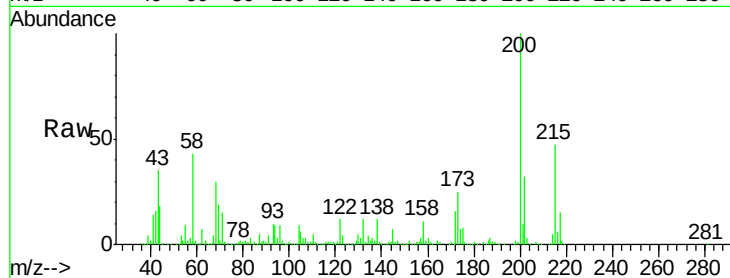




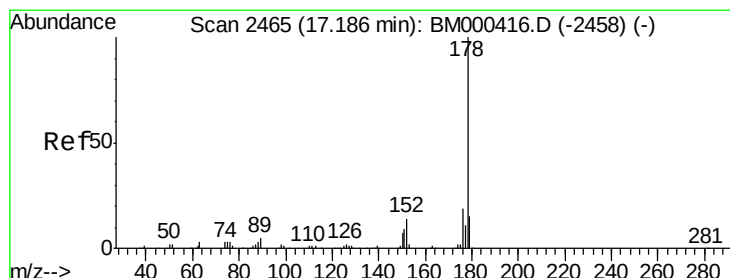
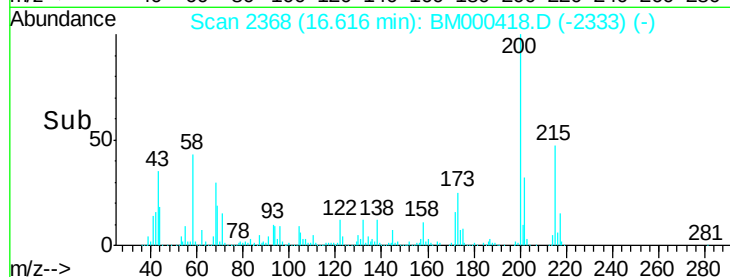
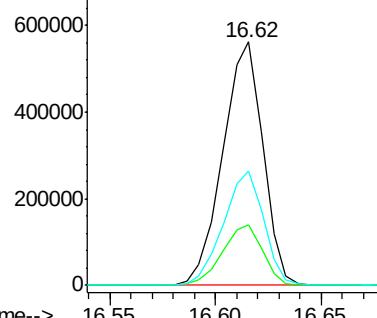
#67
 Atrazine
 Concen: 68.92 ng/ul
 RT: 16.62 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

Instrument :
 BNA_M
 ClientSampleId :
 X1G12

Tgt Ion:200 Resp: 743683
 Ion Ratio Lower Upper
 200 100
 173 24.7 17.9 26.9
 215 46.9 38.2 57.2

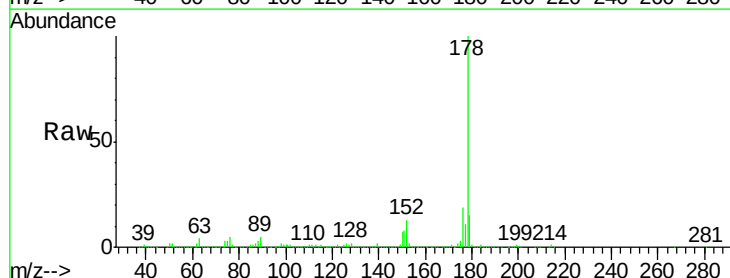


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

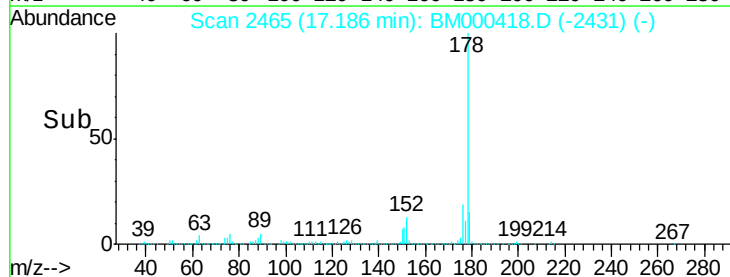
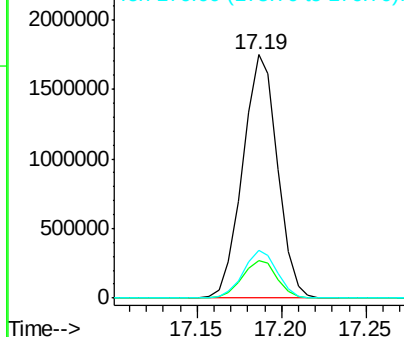


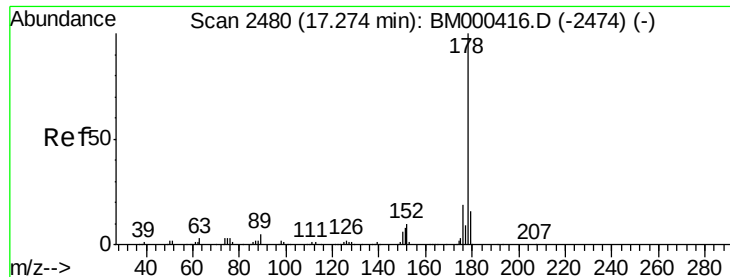
#69
 Phenanthrene
 Concen: 45.22 ng/ul
 RT: 17.19 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

Tgt Ion:178 Resp: 2501670
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 19.4 15.6 23.4



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

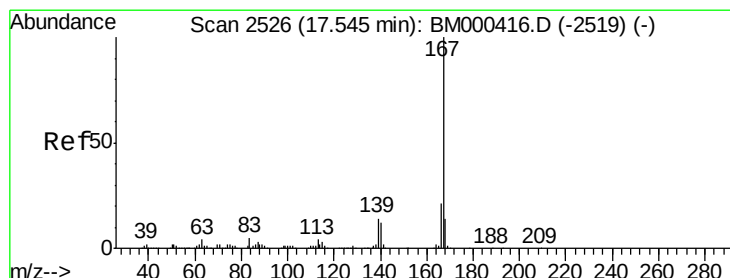
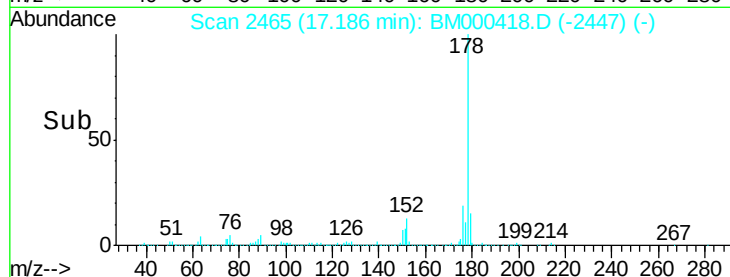
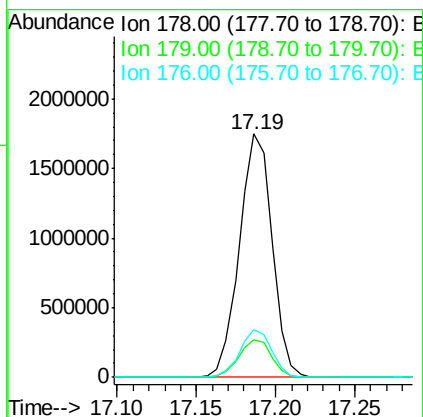
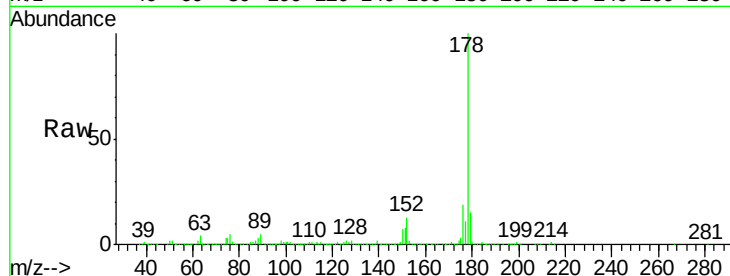




#71
 Anthracene
 Concen: 44.62 ng/ul
 RT: 17.19 min Scan# 2465
 Delta R.T. -0.09 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

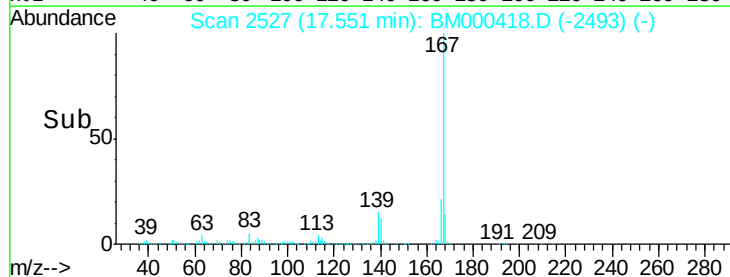
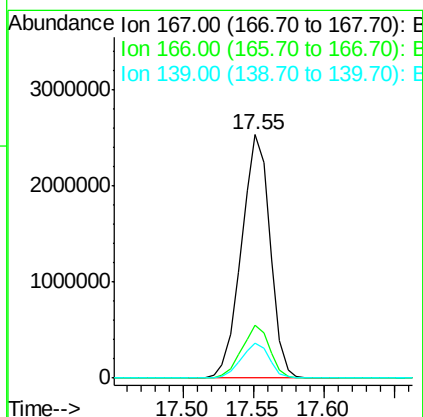
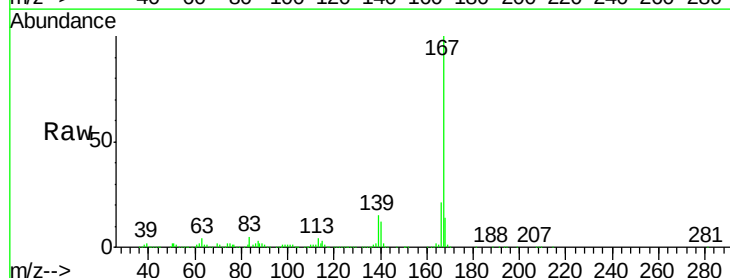
Instrument :
 BNA_M
 ClientSampleId :
 X1G12

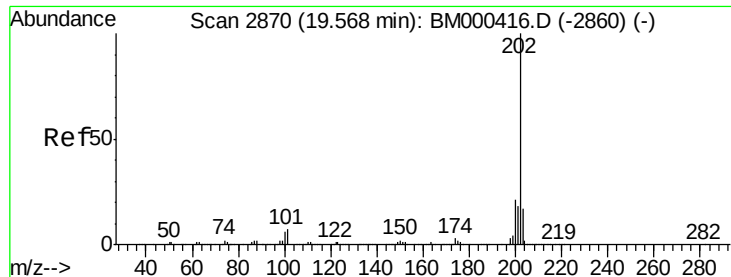
Tgt Ion:178 Resp: 2502562
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.2
 176 19.4 14.3 21.5



#72
 Carbazole
 Concen: 74.73 ng/ul
 RT: 17.55 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM000418.D
 Acq: 04 Feb 2015 14:59

Tgt Ion:167 Resp: 3609808
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.7 25.1
 139 14.5 11.4 17.0





#77

Pyrene

Concen: 58.71 ng/ul

RT: 19.57 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

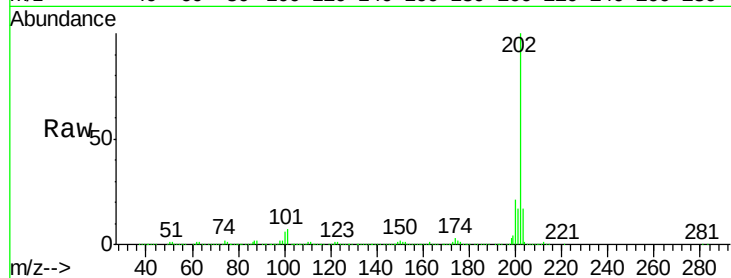
Tgt Ion:202 Resp: 3762387

Ion Ratio Lower Upper

202 100

101 6.6 5.4 8.0

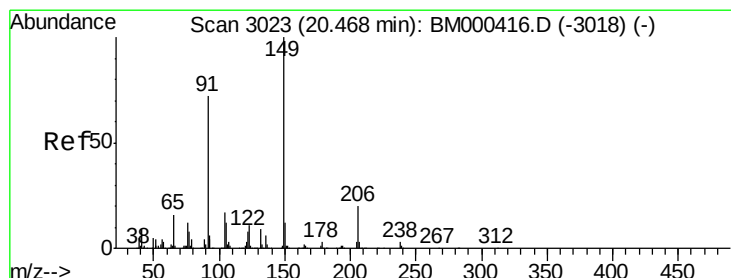
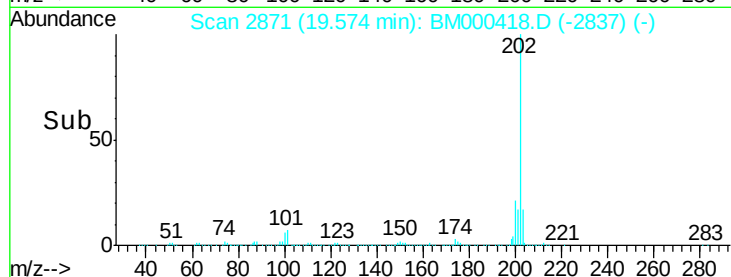
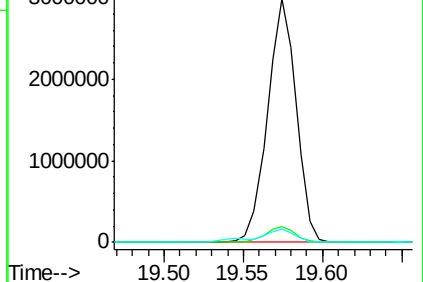
100 5.6 4.2 6.2



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: 70.07 ng/ul

RT: 20.47 min Scan# 3024

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

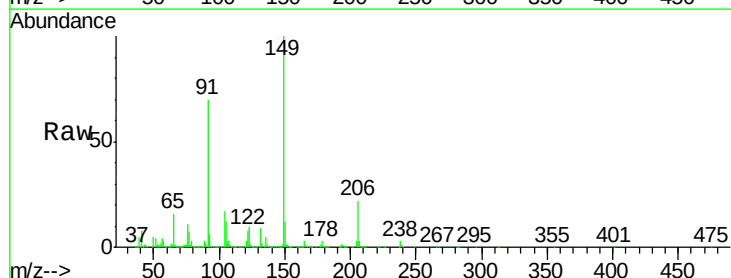
Tgt Ion:149 Resp: 1576653

Ion Ratio Lower Upper

149 100

91 69.9 57.9 86.9

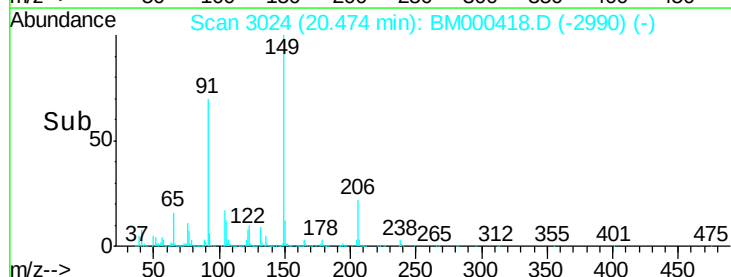
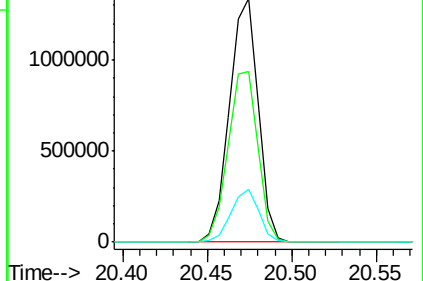
206 21.6 17.5 26.3

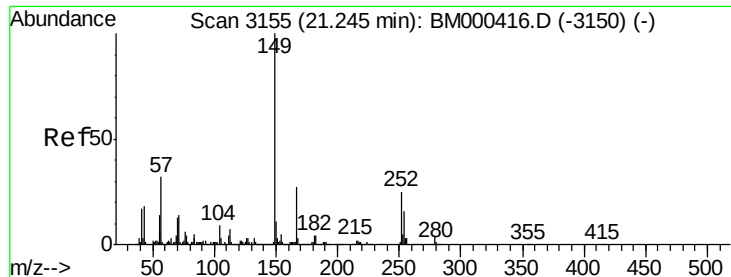


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 63.88 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

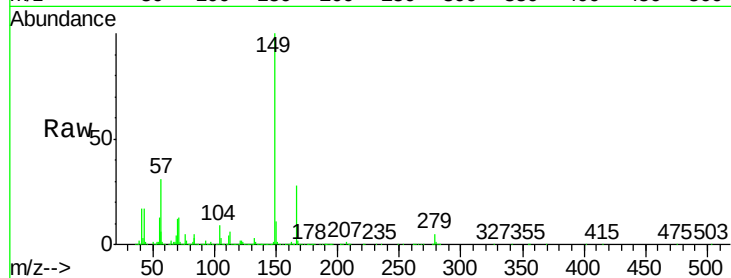
Tgt Ion:149 Resp: 2011950

Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

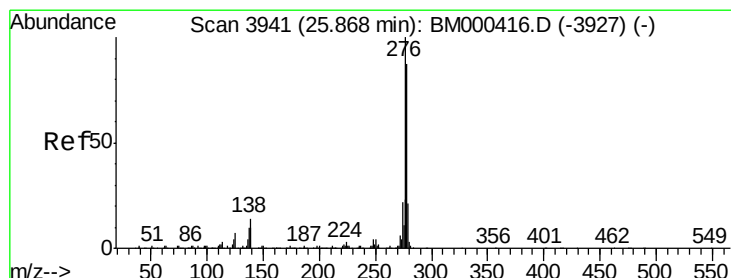
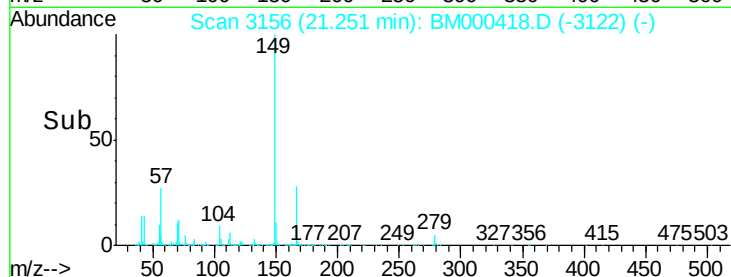
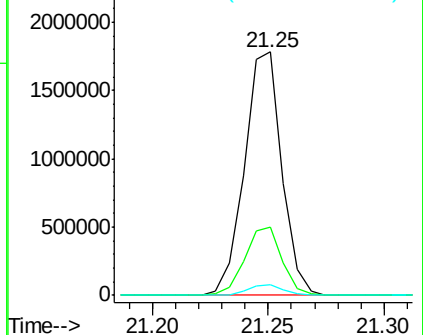
279 4.5 3.4 5.2



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 60.92 ng/ul

RT: 25.88 min Scan# 3943

Delta R.T. 0.01 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

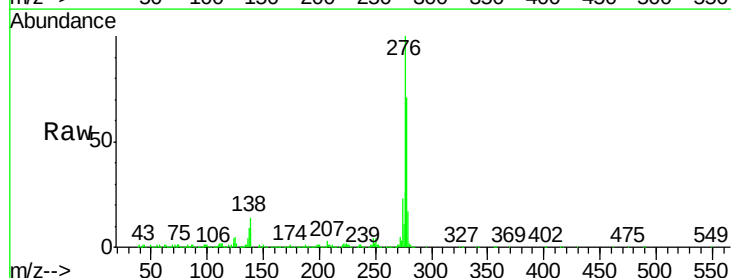
Tgt Ion:276 Resp: 2754019

Ion Ratio Lower Upper

276 100

138 14.2 11.4 17.0

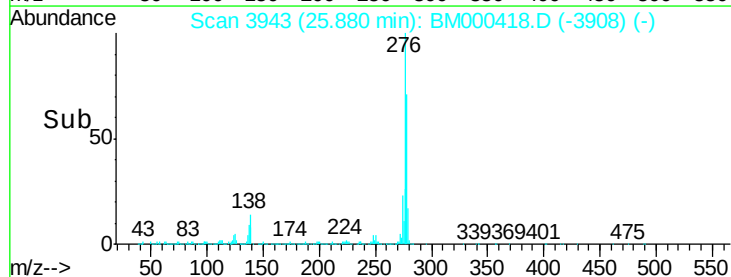
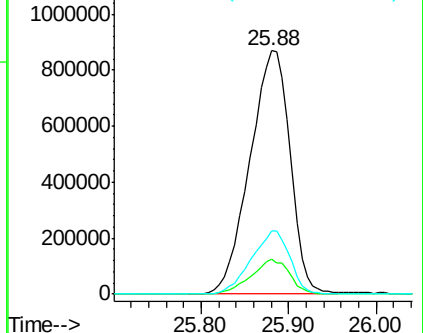
277 25.8 20.3 30.5

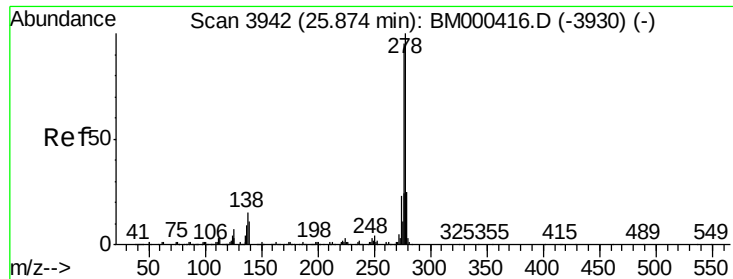


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 48.03 ng/ul

RT: 25.89 min Scan# 3945

Delta R.T. 0.01 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

Instrument :

BNA_M

ClientSampleId :

X1G12

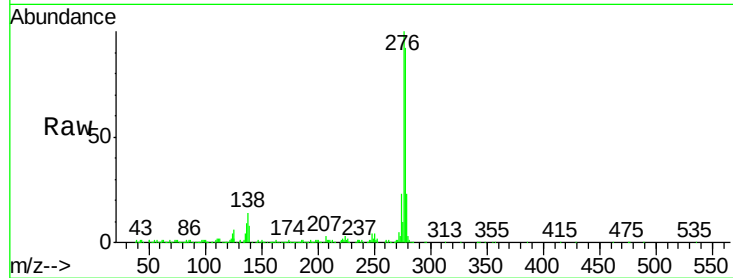
Tgt Ion:278 Resp: 1821891

Ion Ratio Lower Upper

278 100

139 9.1 6.8 10.2

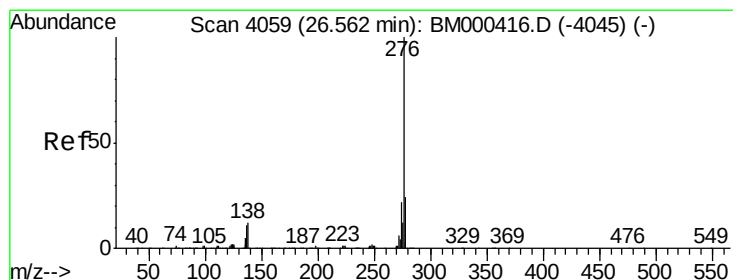
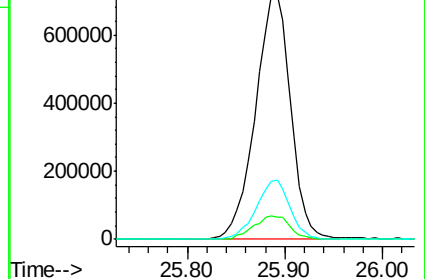
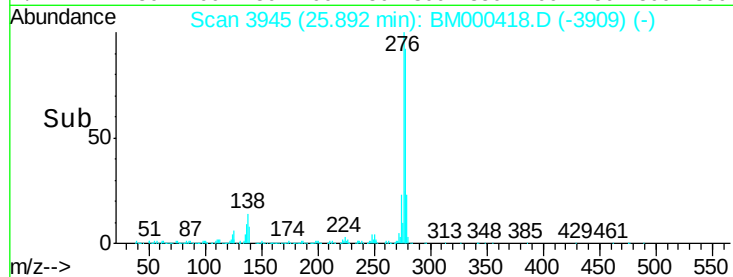
279 24.5 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 46.26 ng/ul

RT: 26.58 min Scan# 4062

Delta R.T. 0.01 min

Lab File: BM000418.D

Acq: 04 Feb 2015 14:59

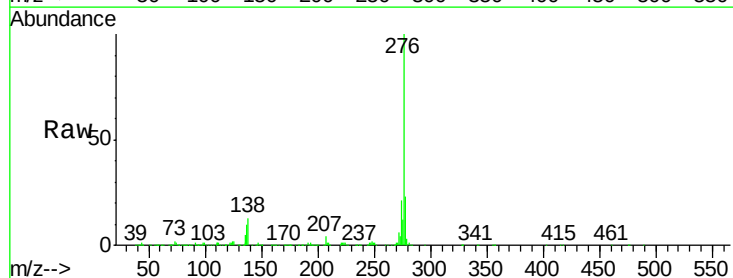
Tgt Ion:276 Resp: 1741189

Ion Ratio Lower Upper

276 100

138 13.0 9.9 14.9

277 22.5 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

