

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012820.D
 Acq On : 08 Nov 2017 14:34
 Operator : SJ/JU
 Sample : I6175-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-79(1-2)-102617

Quant Time: Nov 09 01:33:15 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 01:31:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	105242	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	403449	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	223803	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	420124	20.00	ng/ul	0.10
77) Chrysene-d12	21.36	240	512542	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	576503	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	8170	4.19	ng/uL	0.00
5) Phenol-d5	6.97	99	174382	22.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	114508	26.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	145489	22.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	103360	15.29	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	78121	26.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	71813	21.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	129355	18.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	156669	23.22	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	370603	20.01	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	482283	21.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	9735	3.28	ng/ul	0.02
57) Fluorene-d10	15.43	176	307997	19.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	626	0.23	ng/ul	0.09
70) Anthracene-d10	17.28	188	420124	20.70	ng/ul	0.00
78) Pyrene-d10	19.57	212	439163	18.47	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	503607	18.48	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	6.95	77	14305	3.43	ng/ul#	26
6) Phenol	7.00	94	19779	2.46	ng/ul#	81
14) Acetophenone	8.60	105	26952	2.65	ng/ul#	57
15) N-Nitroso-di-n-propylamine	8.63	70	7222	1.48	ng/ul#	44
17) Hexachloroethane	8.90	117	78938	29.18	ng/ul#	7
20) Nitrobenzene	8.99	77	23045	3.28	ng/ul#	41
21) Isophorone	9.52	82	72829	5.76	ng/ul#	1
23) 2-Nitrophenol	9.72	139	6552	1.78	ng/ul#	1
24) 2,4-Dimethylphenol	9.80	107	34781	4.66	ng/ul#	62
28) Naphthalene	10.64	128	146609	7.27	ng/ul#	93
32) Caprolactam	11.50	113	3971	2.07	ng/ul#	1
34) 2-Methylnaphthalene	12.25	142	141220	9.16	ng/ul	100
44) Dimethylphthalate	13.89	163	112100	6.10	ng/ul#	97
49) Acenaphthene	14.50	153	58320	3.86	ng/ul	99
53) Dibenzofuran	14.84	168	43912	1.99	ng/ul	96
58) Fluorene	15.49	166	111390	6.08	ng/ul	98
64) N-Nitrosodiphenylamine	15.80	169	14420	1.14	ng/ul#	54
69) Phenanthrene	17.23	178	608986	26.52	ng/ul	99
76) Fluoranthene	19.24	202	219422	7.95	ng/ul	95
79) Pyrene	19.60	202	205921	6.73	ng/ul#	92
82) Benzo(a)anthracene	21.35	228	37718	1.22	ng/ul#	91
83) Bis(2-ethylhexyl)phthalate	21.27	149	43906	2.70	ng/ul#	91
84) Chrysene	21.40	228	50076	1.78	ng/ul#	93

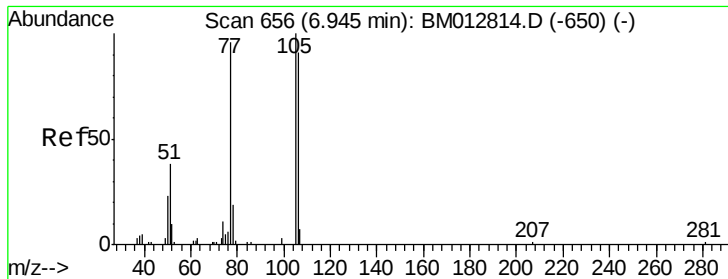
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 01:31:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.96	252	39643	1.13	ng/ul#	78
88) Benzo(k)fluoranthene	22.96	252	39643	1.18	ng/ul#	77

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



#4

Benzaldehyde

Concen: 3.43 ng/ul

RT: 6.95 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

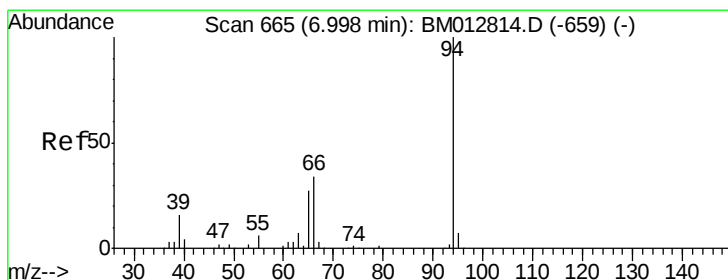
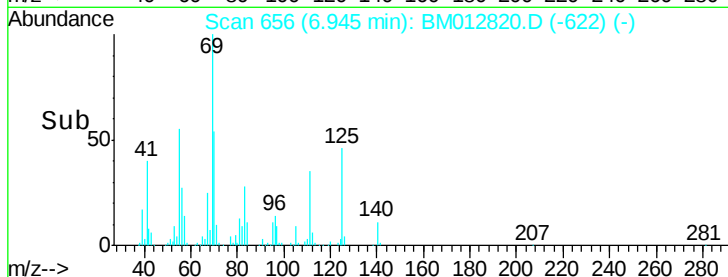
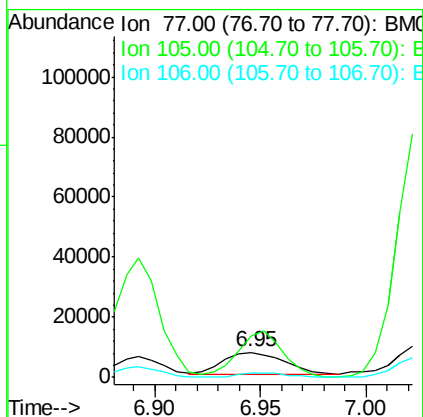
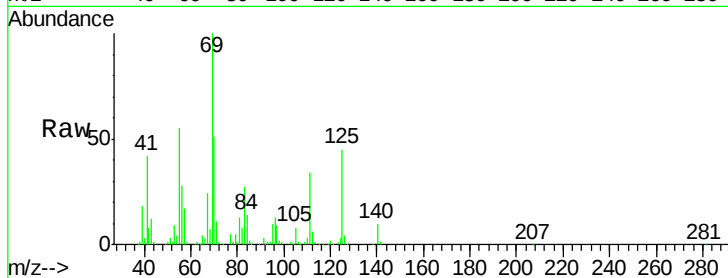
Tot Ion: 77 Resp: 14305

Ion Ratio Lower Upper

77 100

105 166.8 80.6 120.8#

106 16.9 77.7 116.5#



#6

Phenol

Concen: 2.46 ng/ul

RT: 7.00 min Scan# 665

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

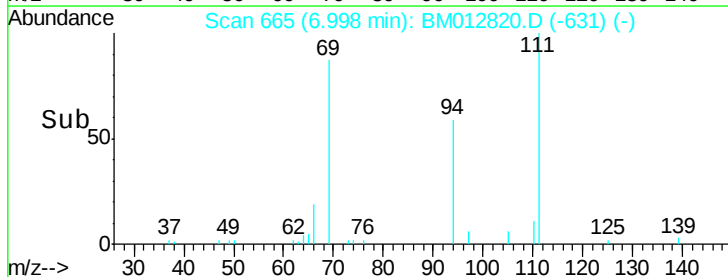
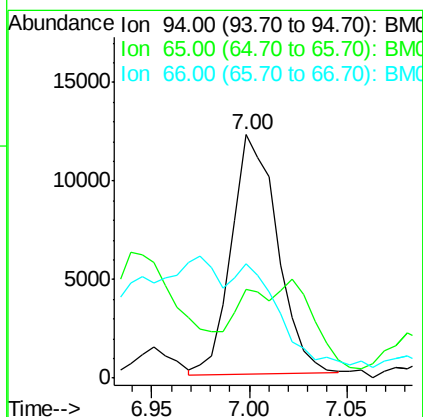
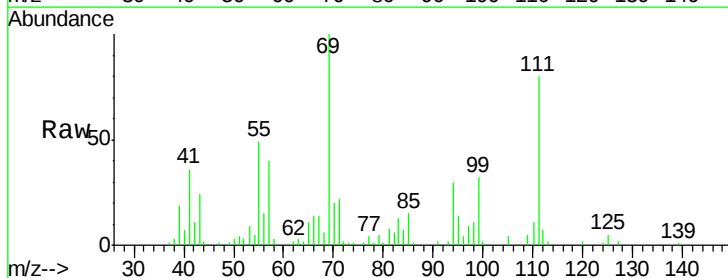
Tgt Ion: 94 Resp: 19779

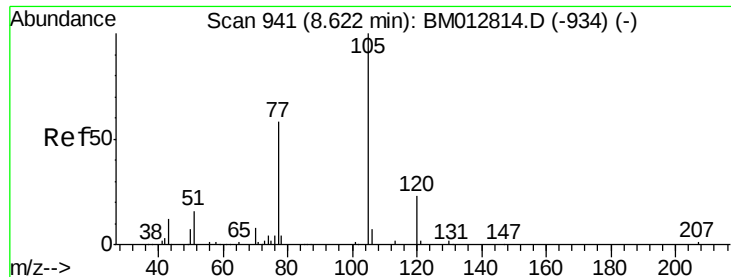
Ion Ratio Lower Upper

94 100

65 36.6 21.0 31.6#

66 47.1 29.3 43.9#





#14

Acetophenone

Concen: 2.65 ng/ul

RT: 8.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

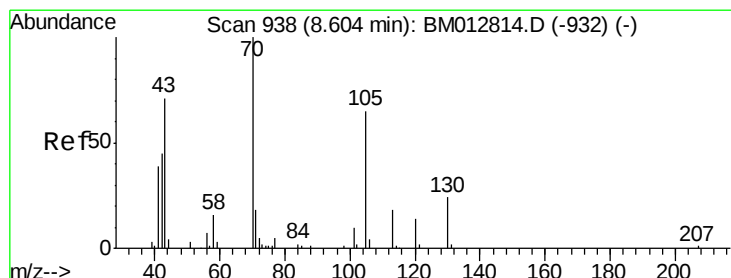
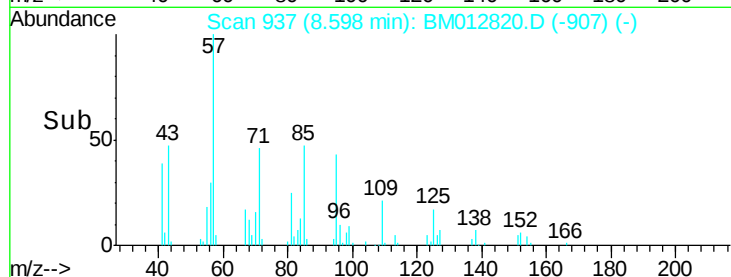
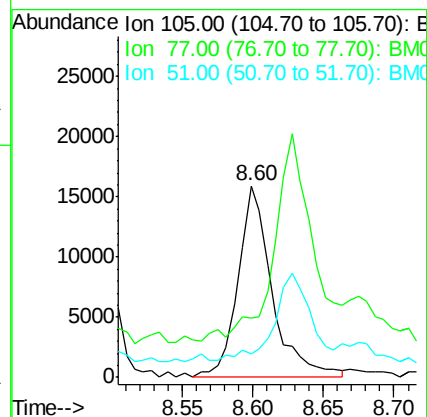
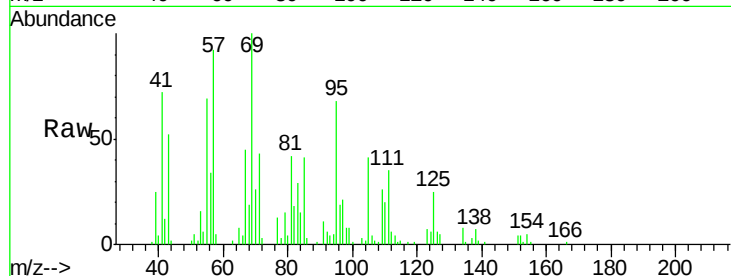
Tot Ion:105 Resp: 26952

Ion Ratio Lower Upper

105 100

77 30.8 59.0 88.4#

51 12.6 16.4 24.6#



#15

N-Nitroso-di-n-propylamine

Concen: 1.48 ng/ul

RT: 8.63 min Scan# 942

Delta R.T. 0.02 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Tgt Ion: 70 Resp: 7222

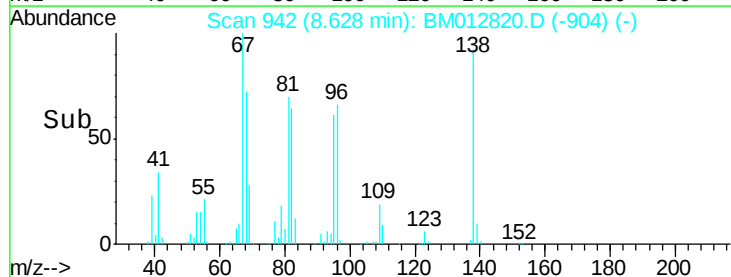
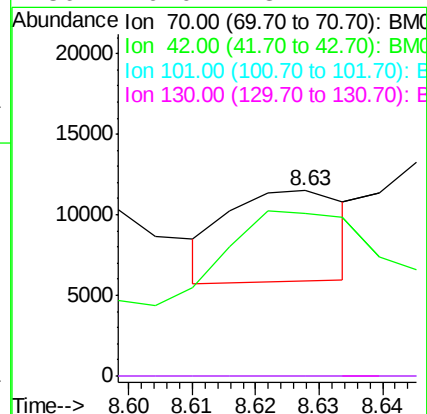
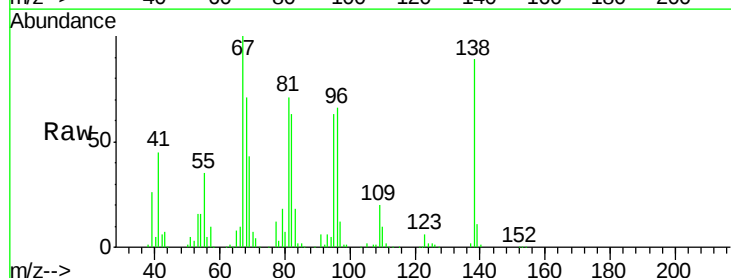
Ion Ratio Lower Upper

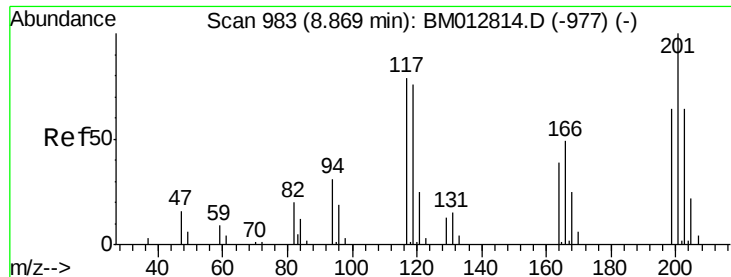
70 100

42 87.9 35.4 53.0#

101 0.0 8.4 12.6#

130 0.0 18.2 27.4#

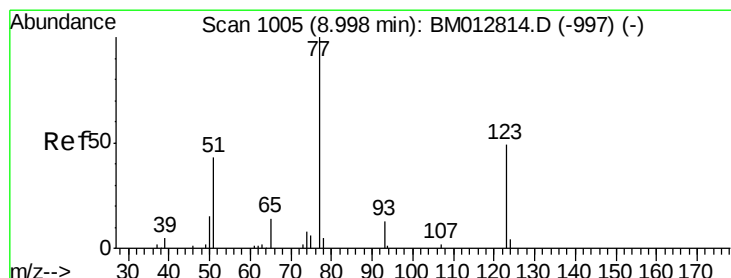
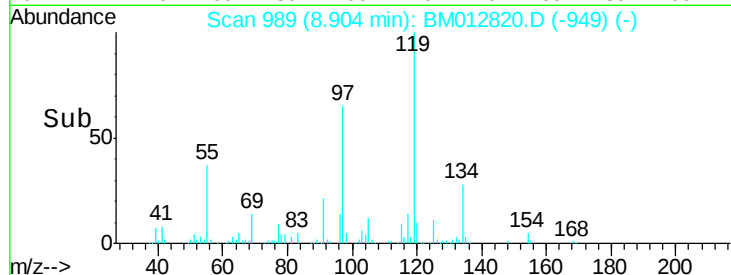
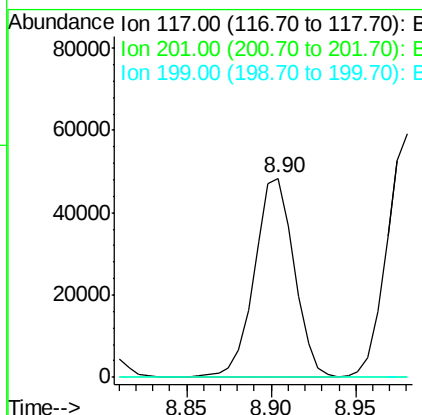
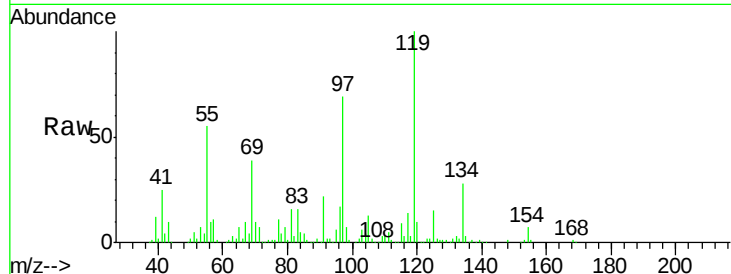




#17
Hexachloroethane
Concen: 29.18 ng/ul
RT: 8.90 min Scan# 989
Delta R.T. 0.04 min
Lab File: BM012820.D
Acq: 08 Nov 2017 14:34

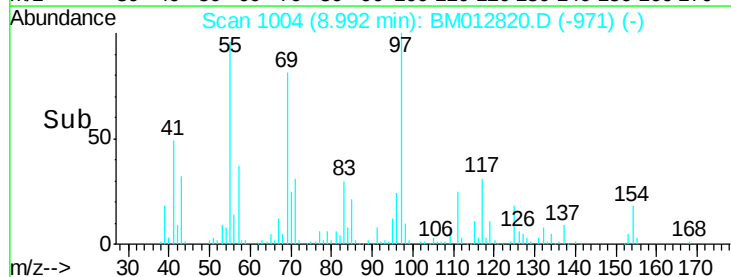
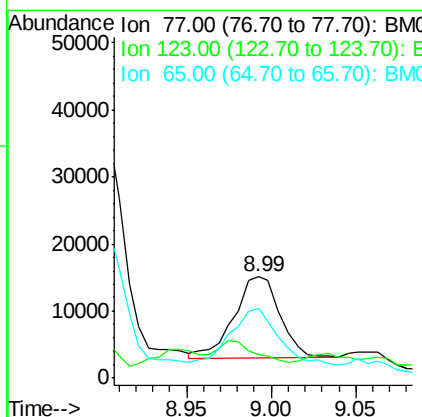
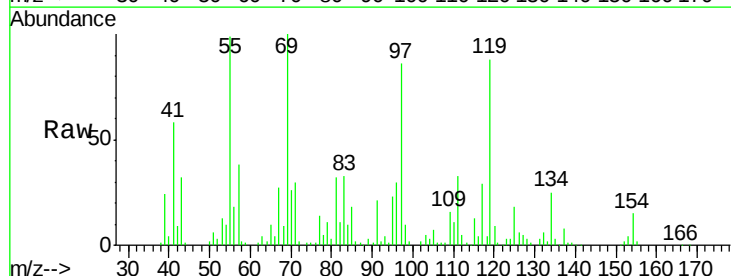
Instrument :
BNA_M
ClientSampleId :
B-79(1-2)-102617

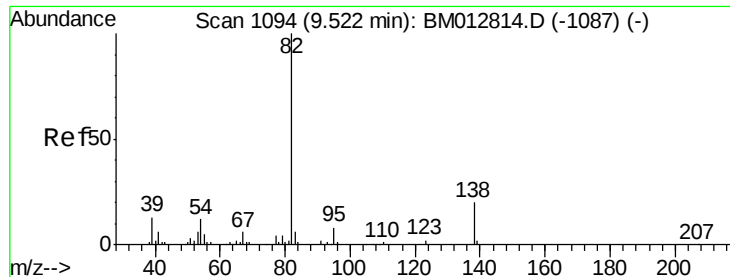
Tot Ion:117 Resp: 78938
Ion Ratio Lower Upper
117 100
201 0.0 81.5 122.3#
199 0.0 50.6 76.0#



#20
Nitrobenzene
Concen: 3.28 ng/ul
RT: 8.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BM012820.D
Acq: 08 Nov 2017 14:34

Tgt Ion: 77 Resp: 23045
Ion Ratio Lower Upper
77 100
123 23.5 39.0 58.4#
65 69.0 10.4 15.6#





#21

Isophorone

Concen: 5.76 ng/ul

RT: 9.52 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

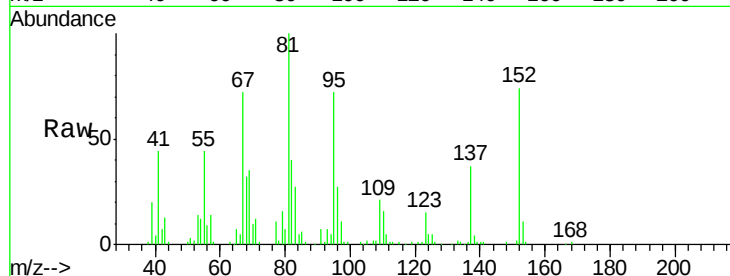
Tot Ion: 82 Resp: 72829

Ion Ratio Lower Upper

82 100

95 181.2 6.4 9.6#

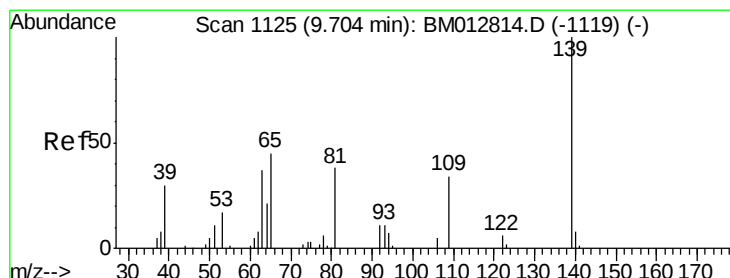
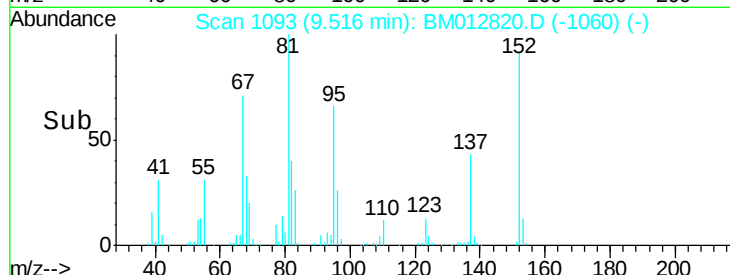
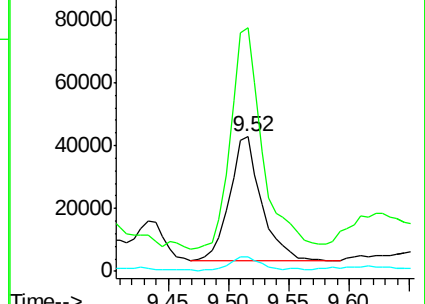
138 10.5 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BM012814.D (-1087) (-)

Ion 95.00 (94.70 to 95.70): BM012814.D (-1087) (-)

Ion 138.00 (137.70 to 138.70): BM012814.D (-1087) (-)



#23

2-Nitrophenol

Concen: 1.78 ng/ul

RT: 9.72 min Scan# 1128

Delta R.T. 0.02 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

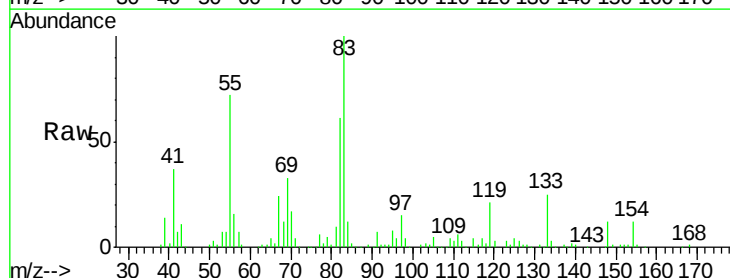
Tgt Ion: 139 Resp: 6552

Ion Ratio Lower Upper

139 100

65 172.8 36.3 54.5#

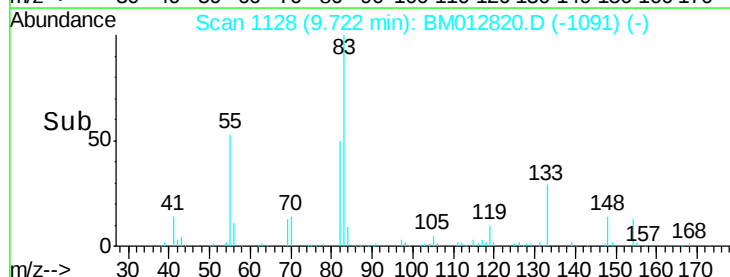
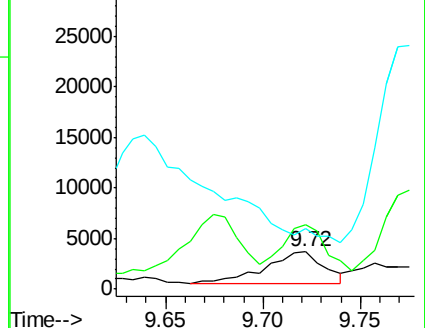
109 163.6 26.4 39.6#

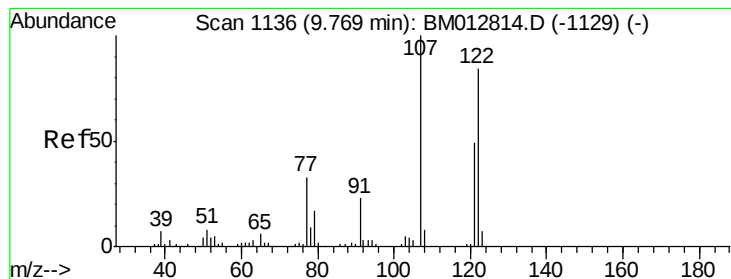


Abundance Ion 139.00 (138.70 to 139.70): BM012814.D (-1119) (-)

Ion 65.00 (64.70 to 65.70): BM012814.D (-1119) (-)

Ion 109.00 (108.70 to 109.70): BM012814.D (-1119) (-)





#24

2,4-Dimethylphenol

Concen: 4.66 ng/ul

RT: 9.80 min Scan# 1141

Delta R.T. 0.03 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

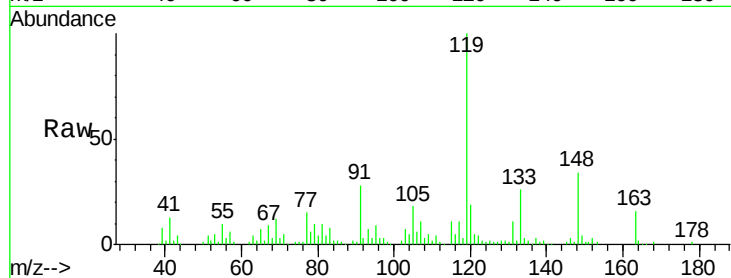
Tot Ion:107 Resp: 34781

Ion Ratio Lower Upper

107 100

121 43.6 40.6 61.0

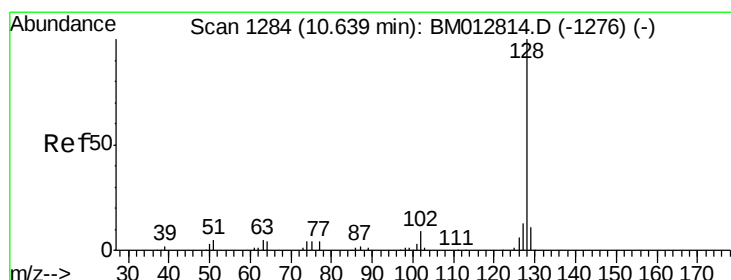
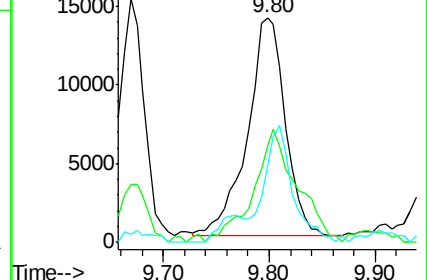
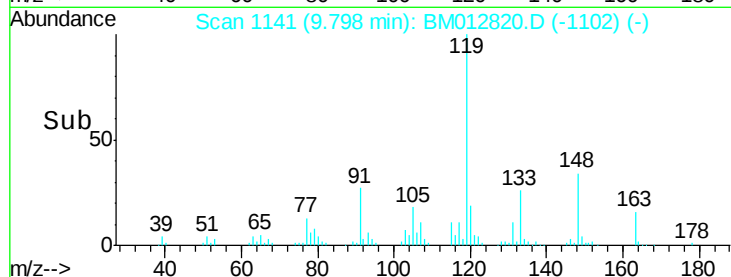
122 34.7 67.8 101.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 7.27 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

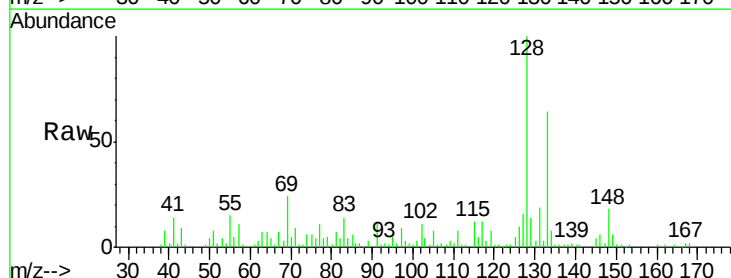
Tgt Ion:128 Resp: 146609

Ion Ratio Lower Upper

128 100

129 13.7 8.8 13.2#

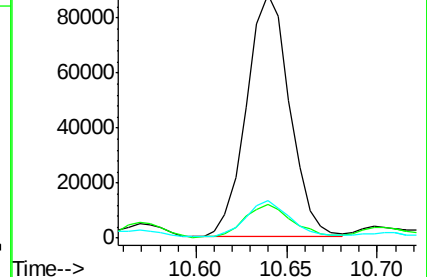
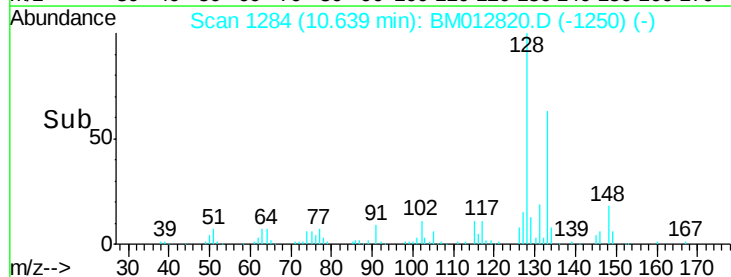
127 15.6 10.5 15.7

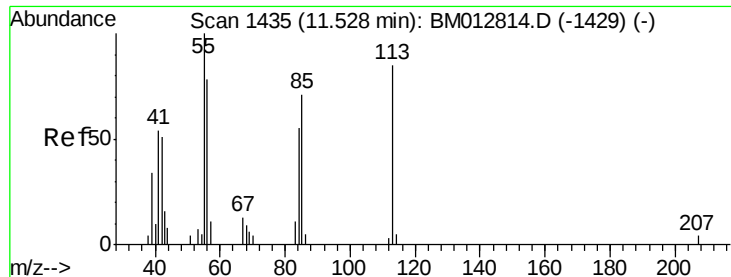


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Caprolactam

Concen: 2.07 ng/ul

RT: 11.50 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

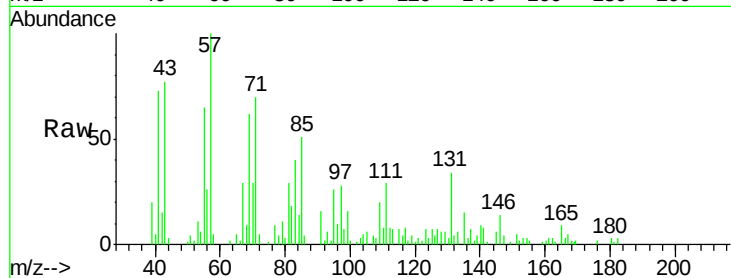
Tot Ion:113 Resp: 3971

Ion Ratio Lower Upper

113 100

55 944.9 101.9 152.9#

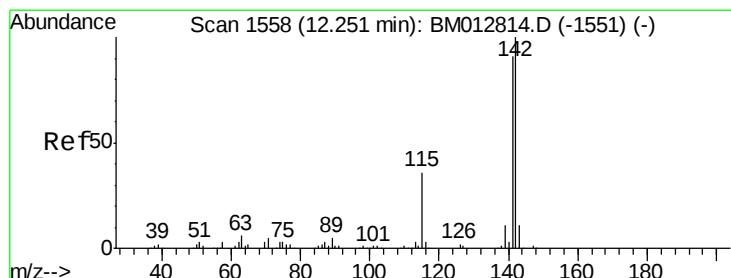
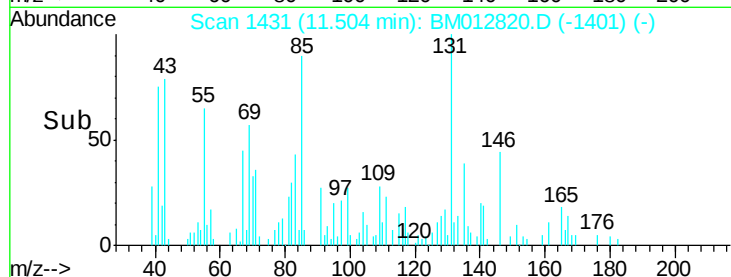
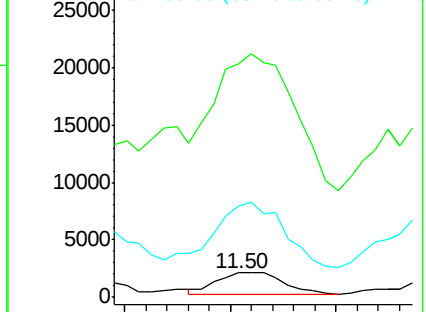
56 370.1 81.2 121.8#



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: 9.16 ng/ul

RT: 12.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BM012820.D

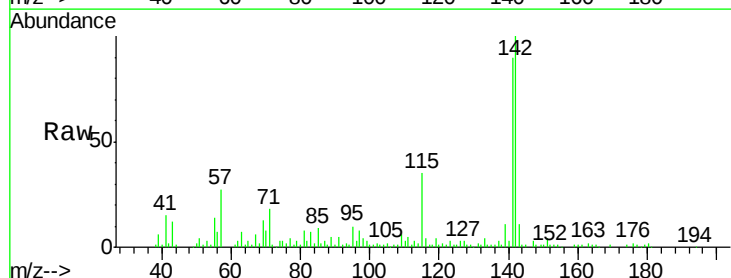
Acq: 08 Nov 2017 14:34

Tgt Ion:142 Resp: 141220

Ion Ratio Lower Upper

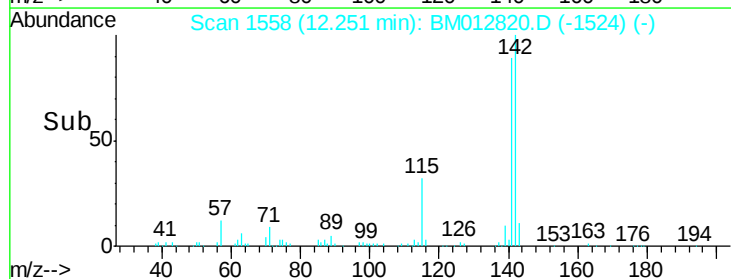
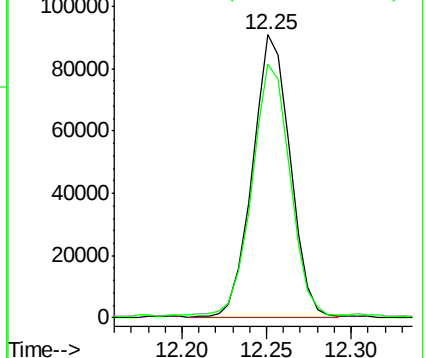
142 100

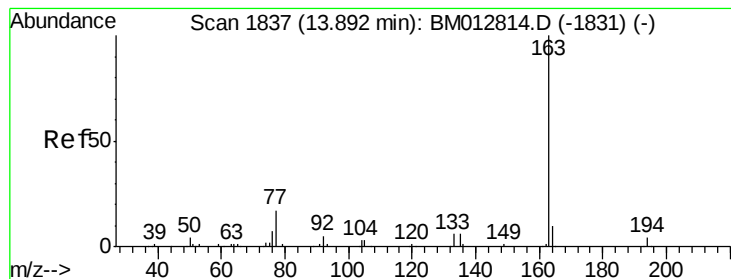
141 89.9 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 6.10 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

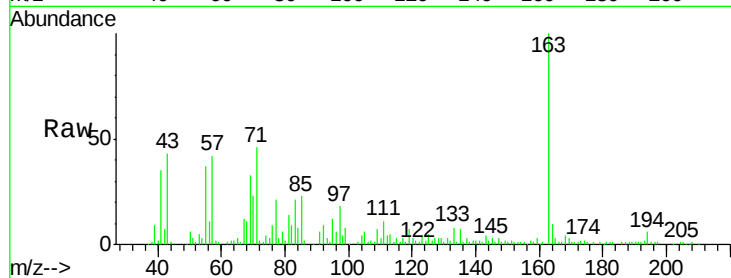
Tot Ion:163 Resp: 112100

Ion Ratio Lower Upper

163 100

194 5.9 3.2 4.8#

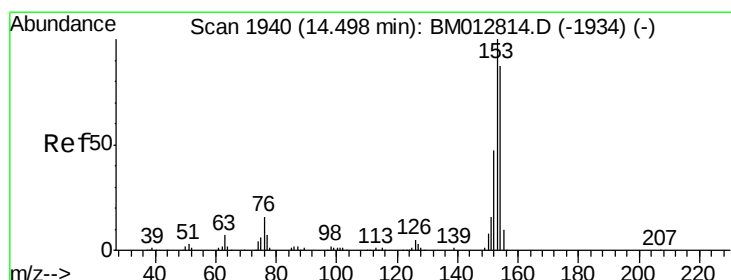
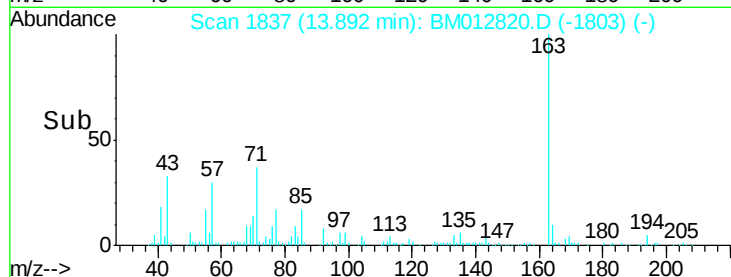
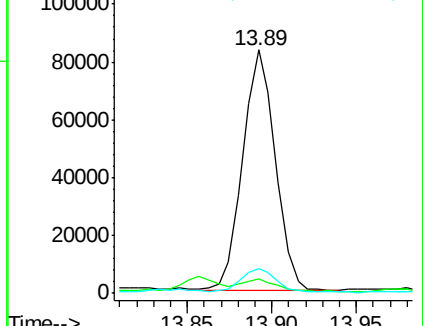
164 10.3 7.8 11.8



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



#49

Acenaphthene

Concen: 3.86 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

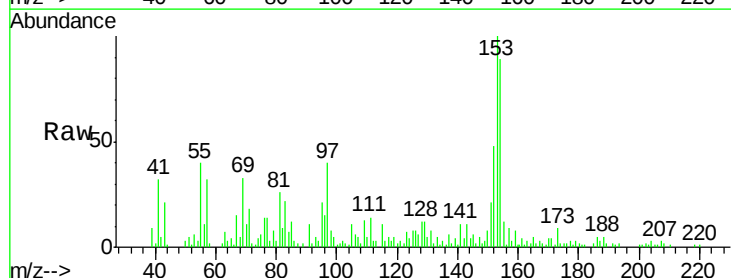
Tgt Ion:153 Resp: 58320

Ion Ratio Lower Upper

153 100

152 48.4 38.3 57.5

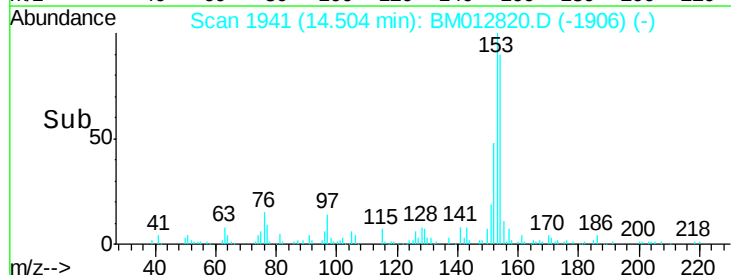
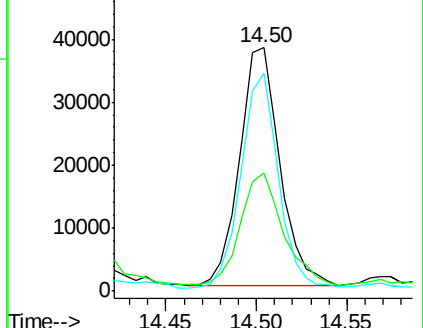
154 89.4 71.8 107.8

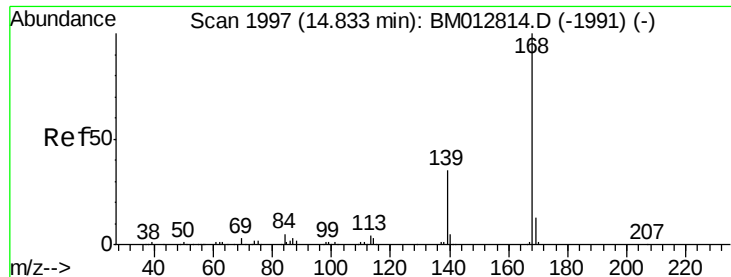


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.99 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

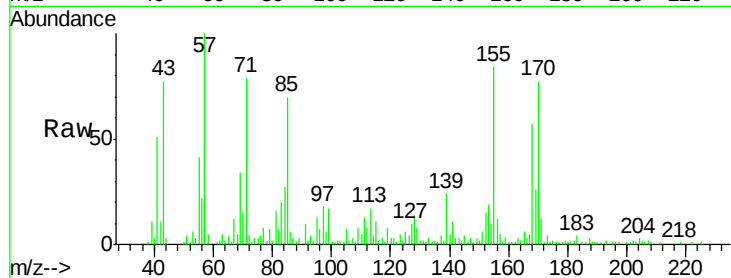
B-79(1-2)-102617

Tot Ion:168 Resp: 43912

Ion Ratio Lower Upper

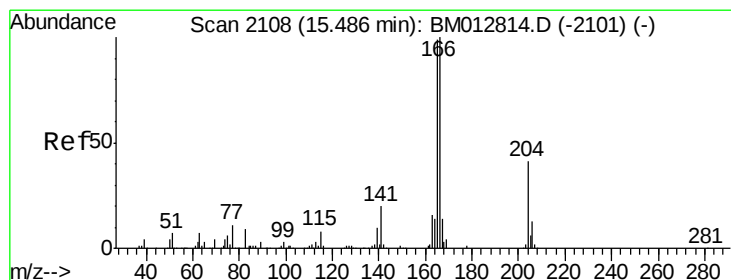
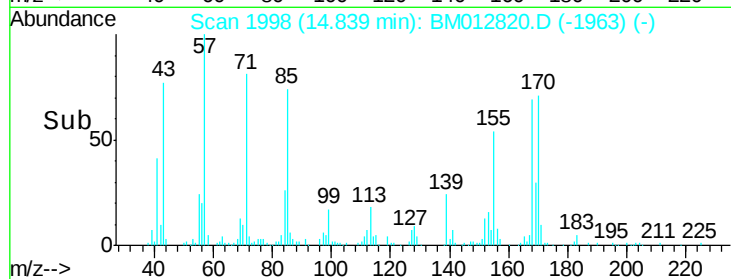
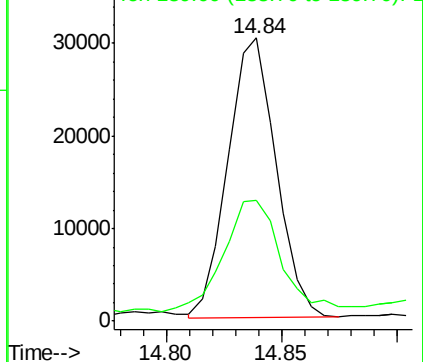
168 100

139 42.7 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 6.08 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

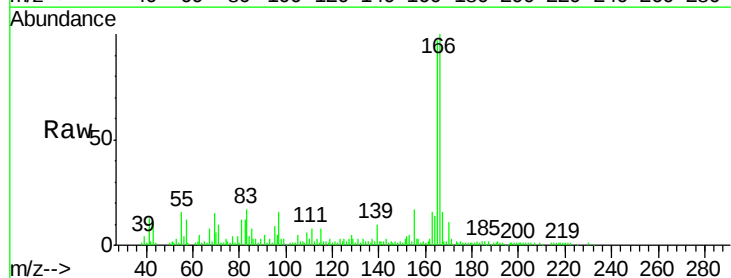
Tgt Ion:166 Resp: 111390

Ion Ratio Lower Upper

166 100

165 97.1 78.5 117.7

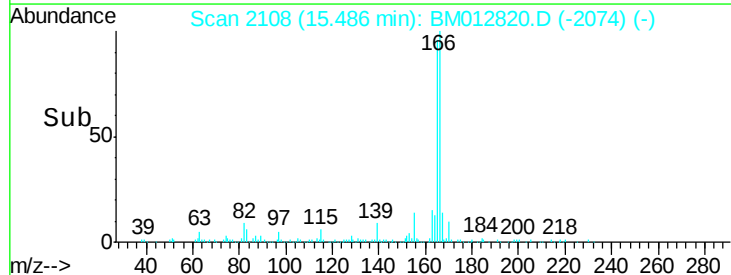
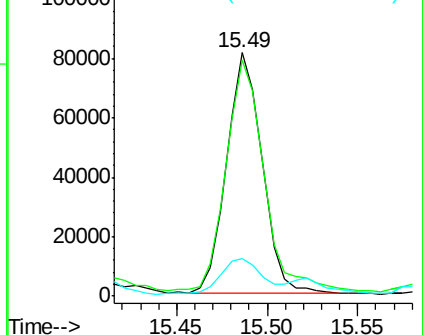
167 15.6 10.7 16.1

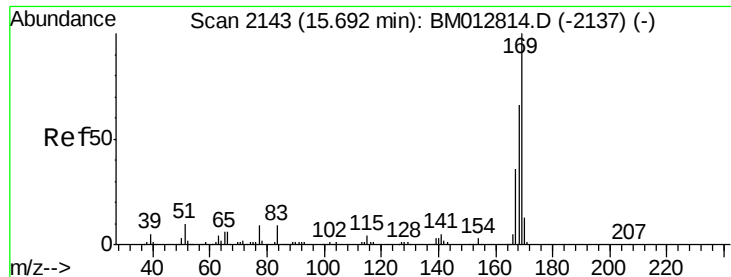


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 1.14 ng/ul

RT: 15.80 min Scan# 2162

Delta R.T. 0.11 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

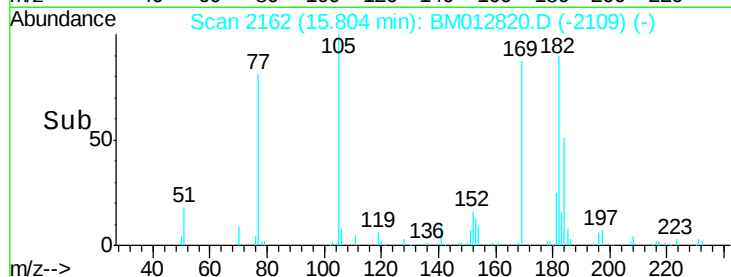
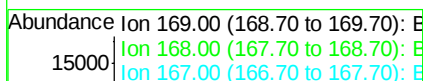
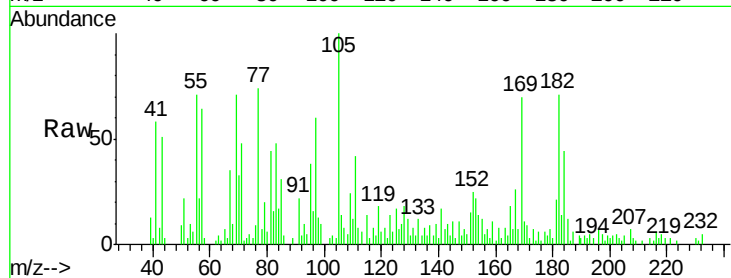
Tot Ion:169 Resp: 14420

Ion Ratio Lower Upper

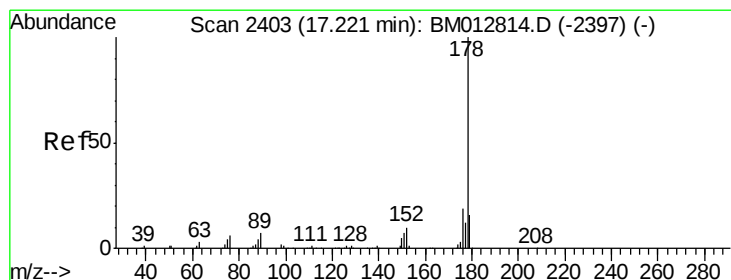
169 100

168 10.3 53.8 80.8#

167 36.5 29.3 43.9



Time-->



#69

Phenanthrene

Concen: 26.52 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

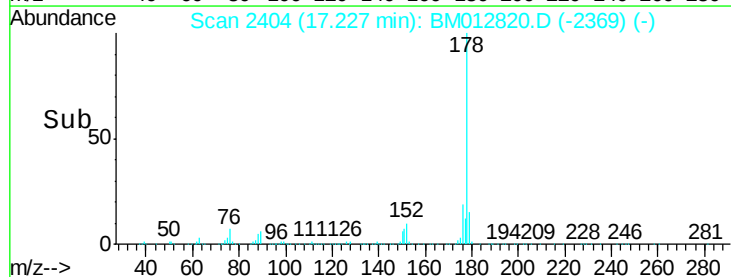
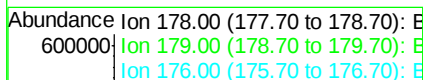
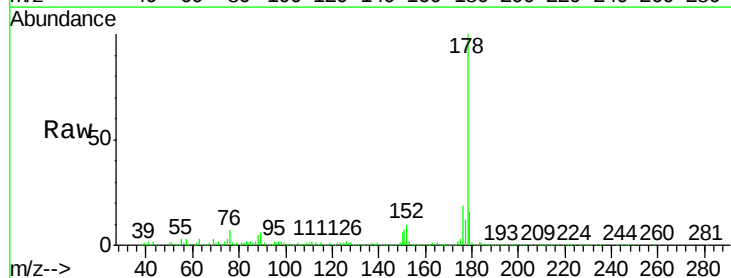
Tgt Ion:178 Resp: 608986

Ion Ratio Lower Upper

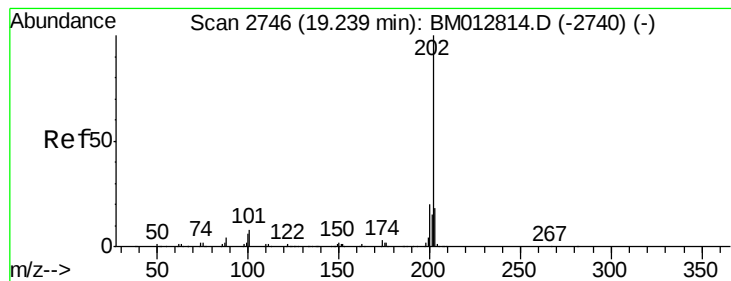
178 100

179 15.8 12.2 18.4

176 18.8 15.6 23.4



Time-->



#76

Fluoranthene

Concen: 7.95 ng/ul

RT: 19.24 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

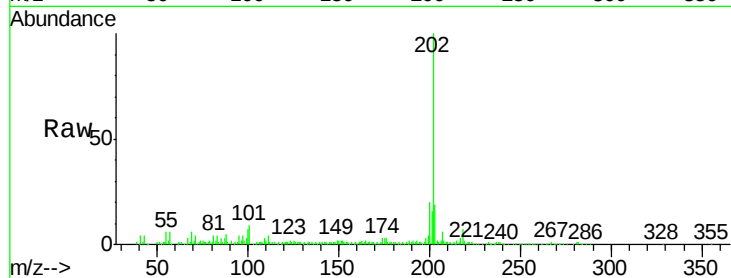
Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

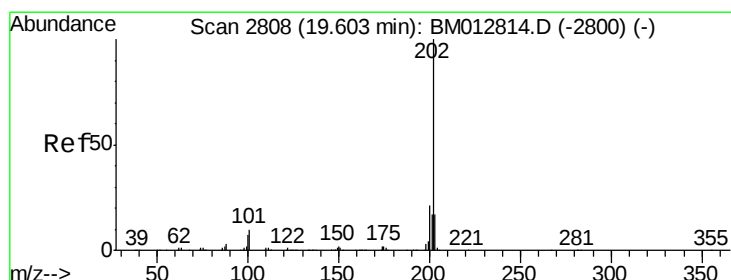
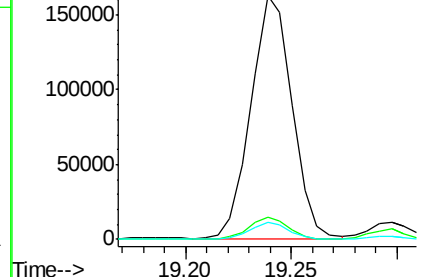
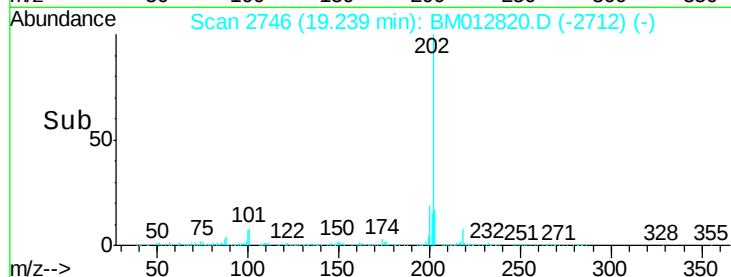
Tot Ion:	202	Resp:	219422
Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.8	13.2
100	6.9	6.6	9.8



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



#79

Pyrene

Concen: 6.73 ng/ul

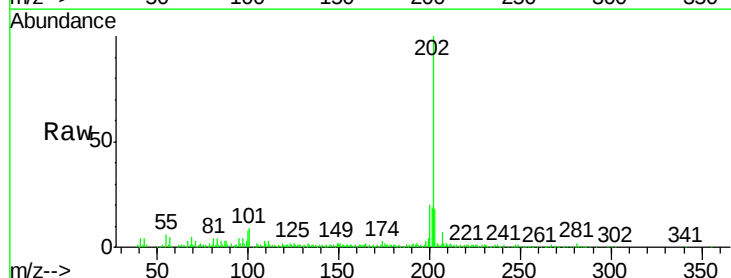
RT: 19.60 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

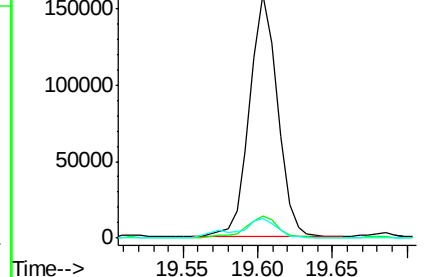
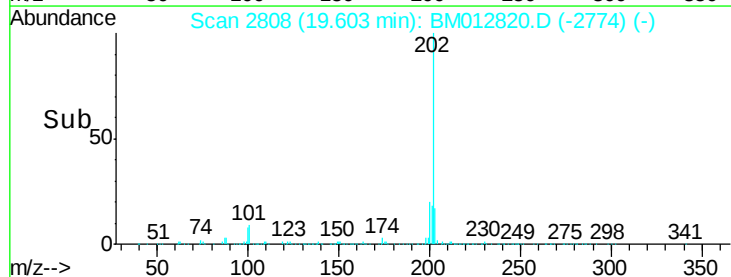
Tgt Ion:	202	Resp:	205921
Ion	Ratio	Lower	Upper
202	100		
101	9.0	10.2	15.2#
100	8.3	8.5	12.7#

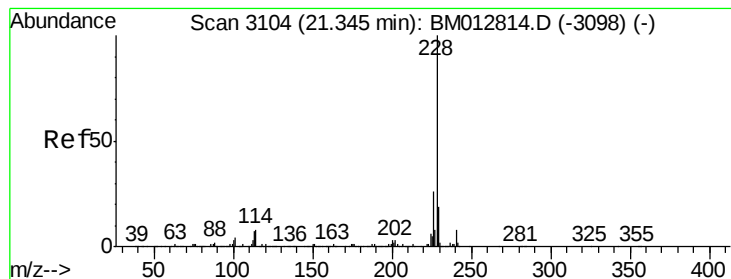


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.22 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

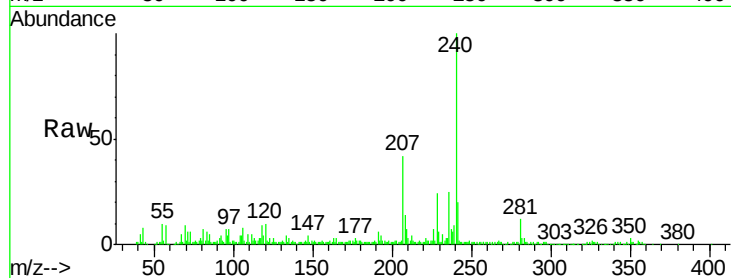
Tot Ion:228 Resp: 37718

Ion Ratio Lower Upper

228 100

229 25.2 15.7 23.5#

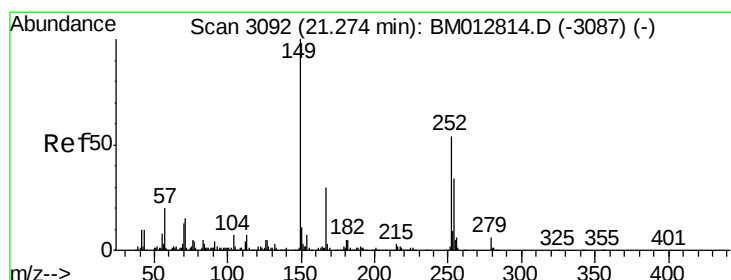
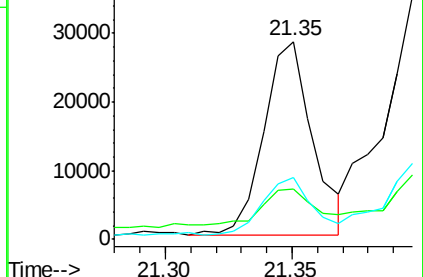
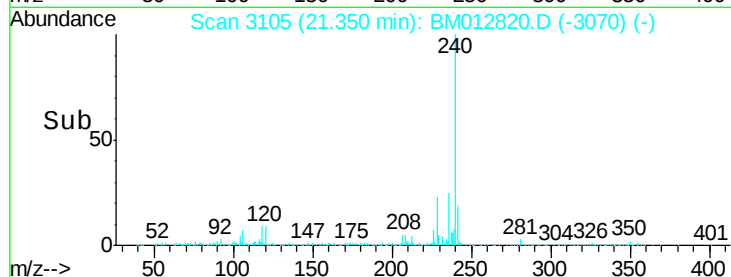
226 31.0 21.8 32.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.70 ng/ul

RT: 21.27 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

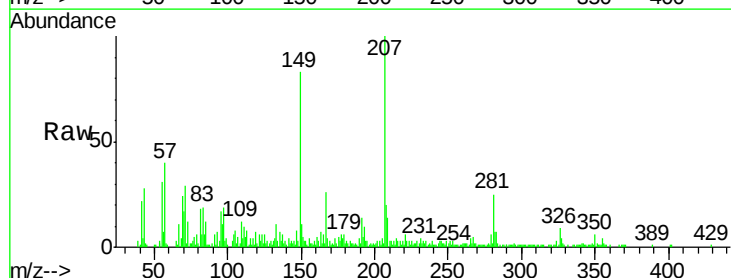
Tgt Ion:149 Resp: 43906

Ion Ratio Lower Upper

149 100

167 31.5 21.6 32.4

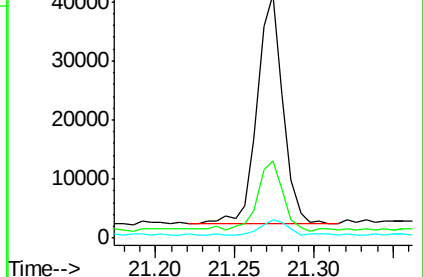
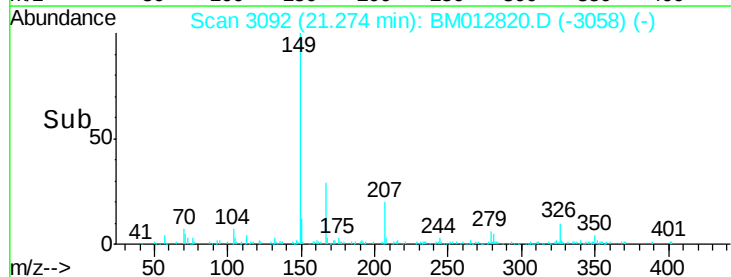
279 7.4 3.0 4.4#

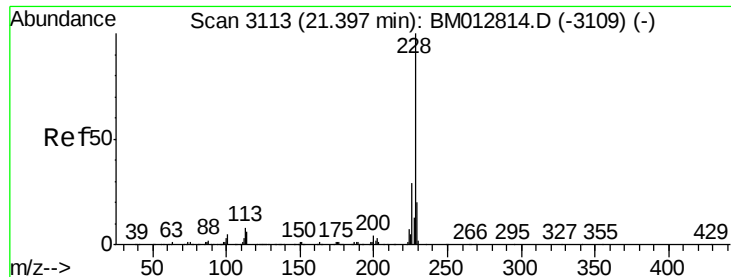


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

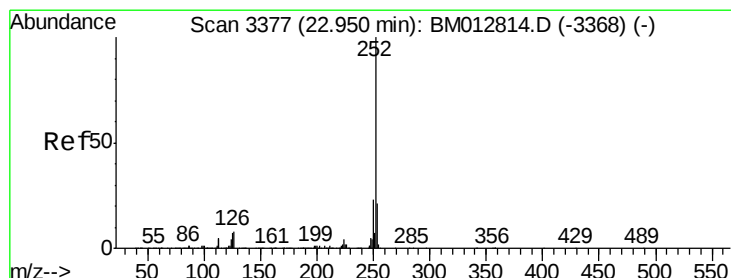
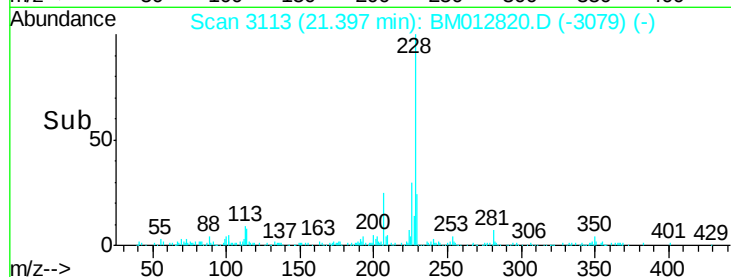
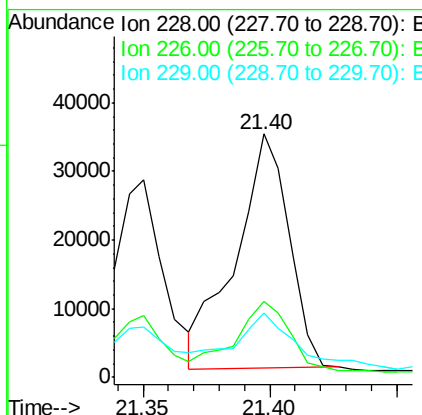
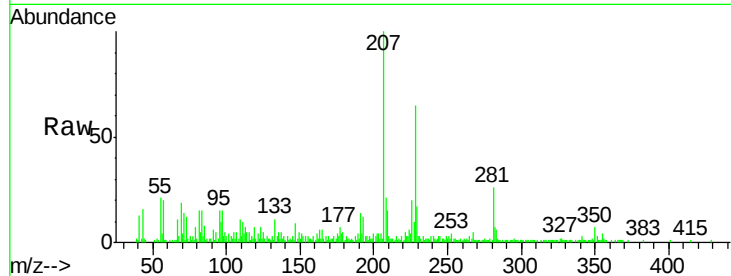




#84
Chrysene
Concen: 1.78 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BM012820.D
Acq: 08 Nov 2017 14:34

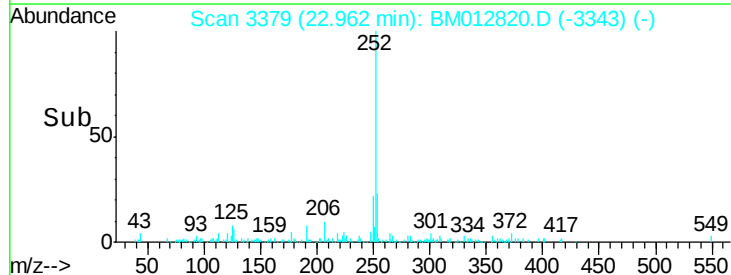
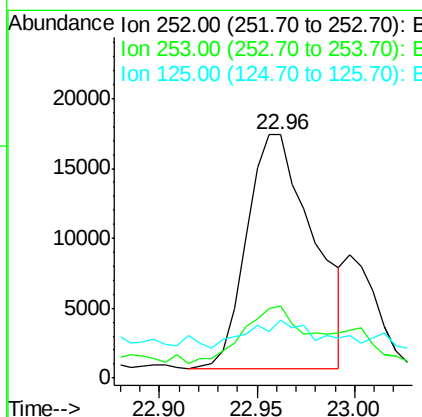
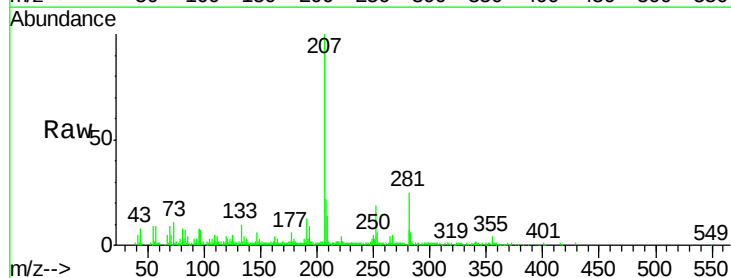
Instrument :
BNA_M
ClientSampleId :
B-79(1-2)-102617

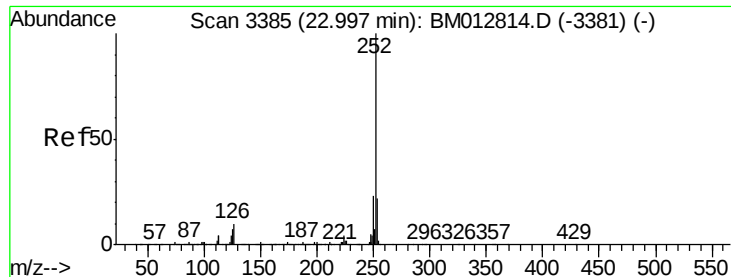
Tot Ion:228 Resp: 50076
Ion Ratio Lower Upper
228 100
226 31.4 24.0 36.0
229 26.2 15.6 23.4#



#87
Benzo(b)fluoranthene
Concen: 1.13 ng/ul
RT: 22.96 min Scan# 3379
Delta R.T. 0.01 min
Lab File: BM012820.D
Acq: 08 Nov 2017 14:34

Tgt Ion:252 Resp: 39643
Ion Ratio Lower Upper
252 100
253 29.5 17.5 26.3#
125 23.9 8.5 12.7#





#88

Benzo(k)fluoranthene

Concen: 1.18 ng/ul

RT: 22.96 min Scan# 3379

Delta R.T. -0.04 min

Lab File: BM012820.D

Acq: 08 Nov 2017 14:34

Instrument :

BNA_M

ClientSampleId :

B-79(1-2)-102617

Tot Ion:252 Resp: 39643

Ion Ratio Lower Upper

252 100

253 29.5 17.3 25.9#

125 23.9 8.2 12.2#

