

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012773.D
 Acq On : 06 Nov 2017 12:35
 Operator : SJ/JU
 Sample : I5825-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-67(2.5-3.8)-101017DL

Quant Time: Nov 07 04:07:29 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	103315	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	431726	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	266910	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	566583	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	498996	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	518878	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	1027	0.54	ng/uL	0.00
5) Phenol-d5	6.99	99	24281	3.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	19550	4.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	19902	3.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	20561	3.10	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	17705	5.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	11558	3.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	23125	3.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	313855	43.47	ng/ul	-0.02
43) Dimethylphthalate-d6	13.86	166	69932	3.17	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	88539	3.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	14271	4.03	ng/ul	0.00
57) Fluorene-d10	15.44	176	59676	3.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	4524	1.21	ng/ul	0.01
70) Anthracene-d10	17.29	188	89342	3.26	ng/ul	0.00
78) Pyrene-d10	19.59	212	85769	3.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	78463	3.20	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.95	77	10456	2.56	ng/ul# 1
14) Acetophenone	8.61	105	56466	5.66	ng/ul# 37
16) 4-Methylphenol	8.59	108	8704	1.34	ng/ul 99
17) Hexachloroethane	8.91	117	84433	31.80	ng/ul# 7
20) Nitrobenzene	8.99	77	15202	2.02	ng/ul# 19
21) Isophorone	9.53	82	37365	2.76	ng/ul# 1
23) 2-Nitrophenol	9.73	139	3988	1.01	ng/ul# 1
24) 2,4-Dimethylphenol	9.81	107	24584	3.08	ng/ul# 49
28) Naphthalene	10.65	128	282703	13.10	ng/ul# 90
34) 2-Methylnaphthalene	12.26	142	53809	3.26	ng/ul 95
49) Acenaphthene	14.52	153	20004	1.11	ng/ul# 85
52) 4-Nitrophenol	14.69	109	3447	1.10	ng/ul# 25
58) Fluorene	15.50	166	42300	1.94	ng/ul# 82
64) N-Nitrosodiphenylamine	15.71	169	61563	3.60	ng/ul# 52
67) Atrazine	16.66	200	11917	1.74	ng/ul# 72
69) Phenanthrene	17.24	178	57128	1.84	ng/ul# 91
75) Di-n-butylphthalate	18.16	149	1108591	35.33	ng/ul 99
76) Fluoranthene	19.26	202	130783	3.51	ng/ul# 94
79) Pyrene	19.62	202	124445	4.18	ng/ul# 92
82) Benzo(a)anthracene	21.36	228	38994	1.29	ng/ul# 88
84) Chrysene	21.41	228	44115	1.61	ng/ul# 90
87) Benzo(b)fluoranthene	22.98	252	47391	1.49	ng/ul# 66
88) Benzo(k)fluoranthene	22.98	252	47391	1.57	ng/ul# 66

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
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Acq On : 06 Nov 2017 12:35
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Misc :
ALS Vial : 3 Sample Multiplier: 1

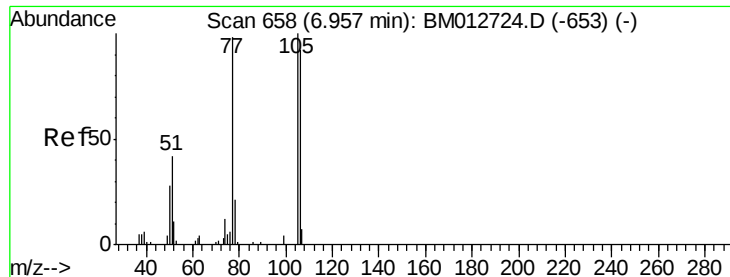
Instrument :
BNA_M
ClientSampleId :
B-67(2.5-3.8)-101017DL

Quant Time: Nov 07 04:07:29 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 2.56 ng/ul

RT: 6.95 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL

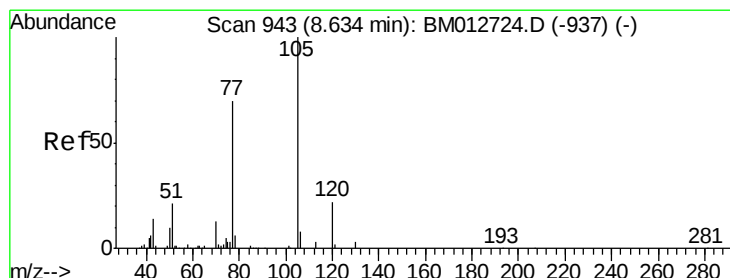
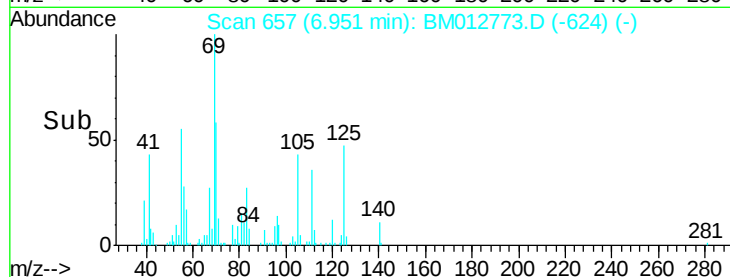
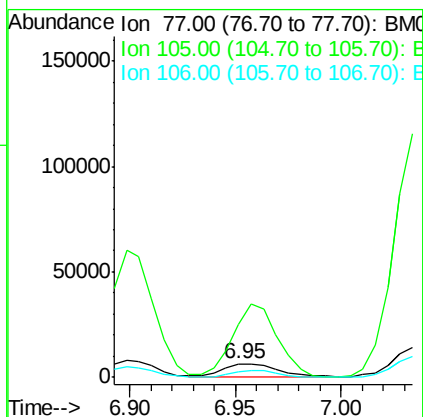
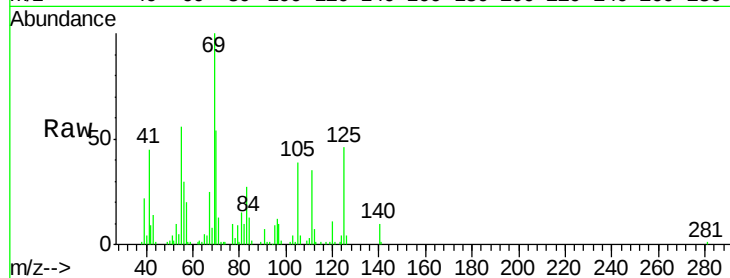
Tot Ion: 77 Resp: 10456

Ion Ratio Lower Upper

77 100

105 396.1 80.6 120.8#

106 43.8 77.7 116.5#



#14

Acetophenone

Concen: 5.66 ng/ul

RT: 8.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

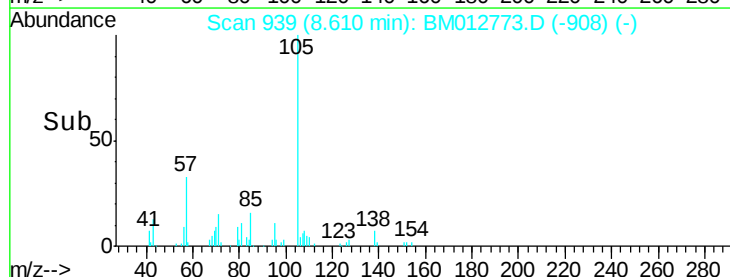
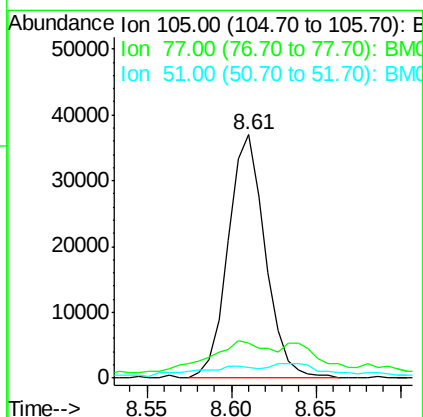
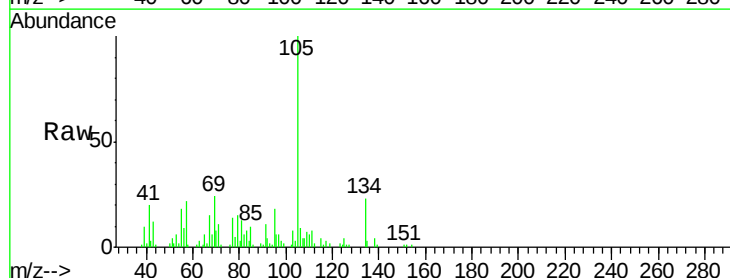
Tgt Ion: 105 Resp: 56466

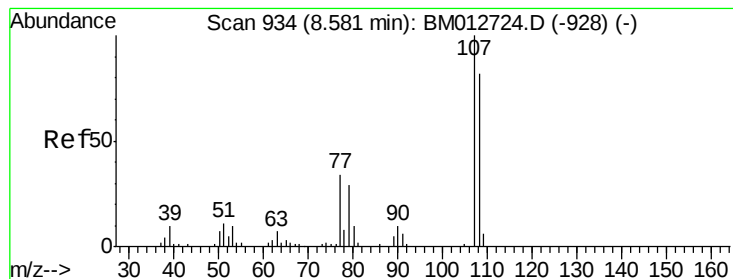
Ion Ratio Lower Upper

105 100

77 14.2 59.0 88.4#

51 4.3 16.4 24.6#





#16

4-Methylphenol

Concen: 1.34 ng/ul

RT: 8.59 min Scan# 936

Delta R.T. 0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

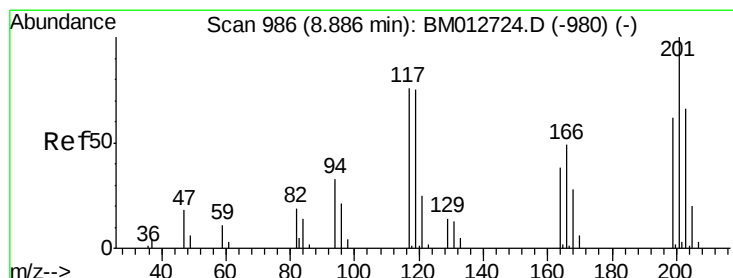
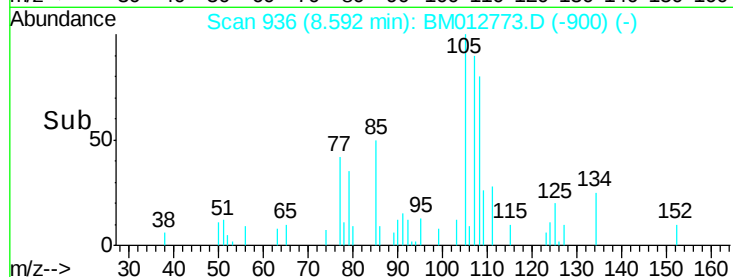
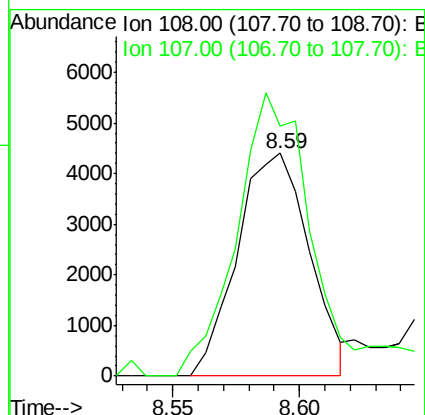
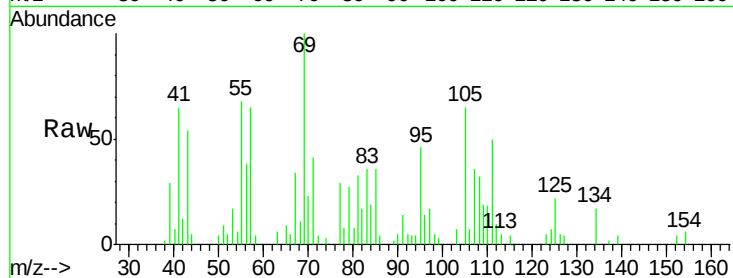
B-67(2.5-3.8)-101017DL

Tot Ion:108 Resp: 8704

Ion Ratio Lower Upper

108 100

107 112.3 90.3 135.5



#17

Hexachloroethane

Concen: 31.80 ng/ul

RT: 8.91 min Scan# 990

Delta R.T. 0.03 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

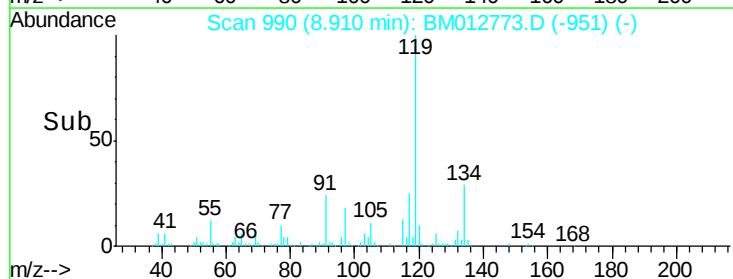
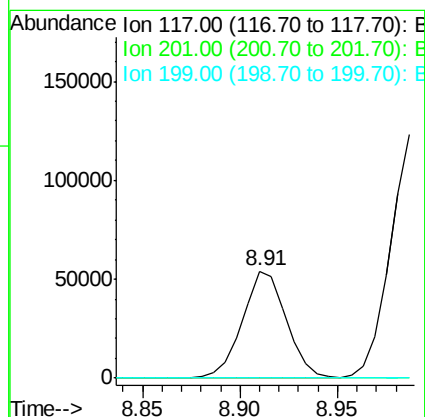
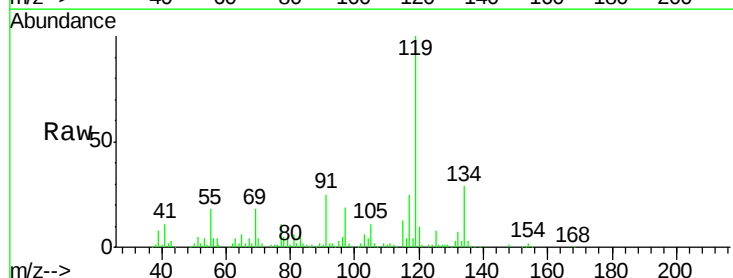
Tgt Ion:117 Resp: 84433

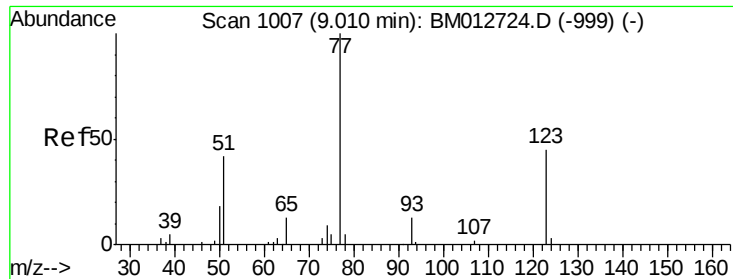
Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

199 0.0 50.6 76.0#

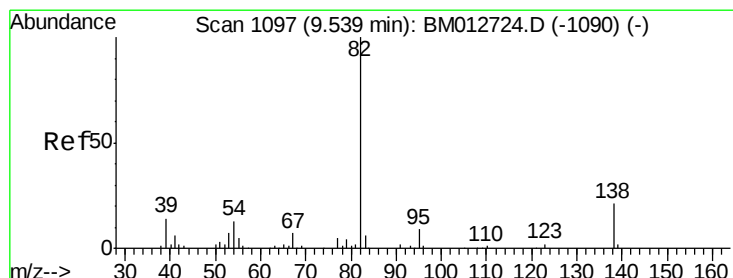
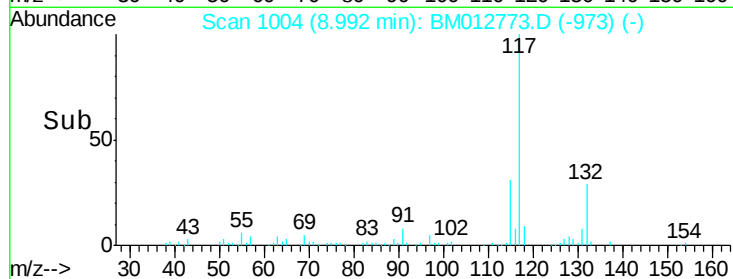
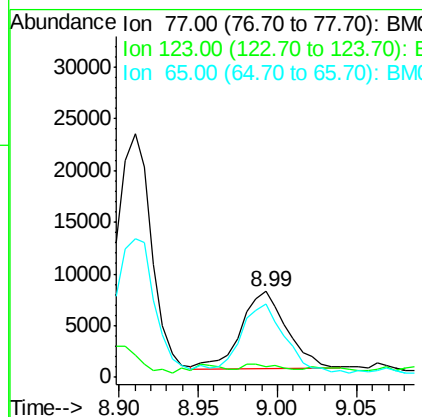
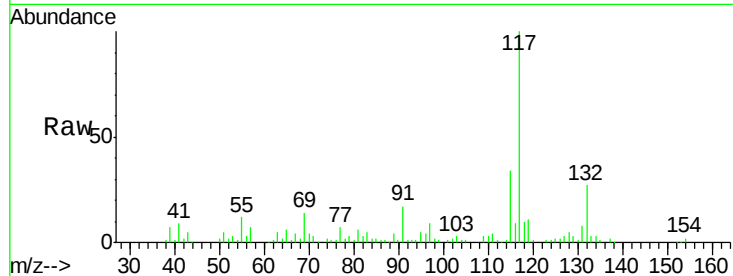




#20
Nitrobenzene
Concen: 2.02 ng/ul
RT: 8.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

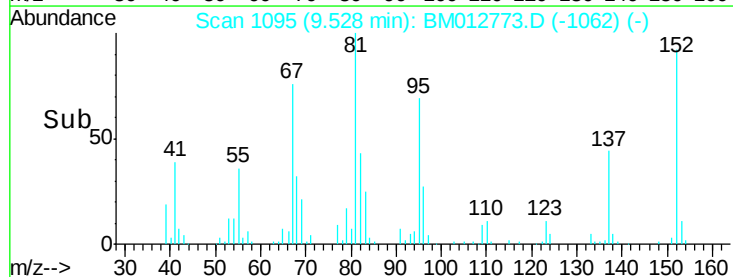
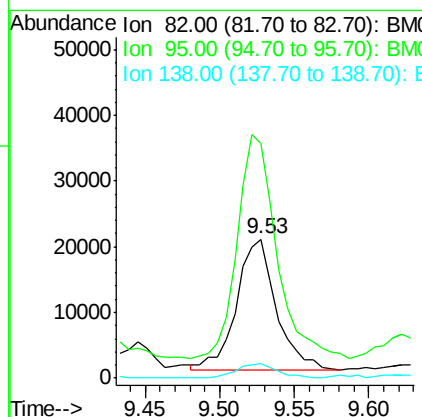
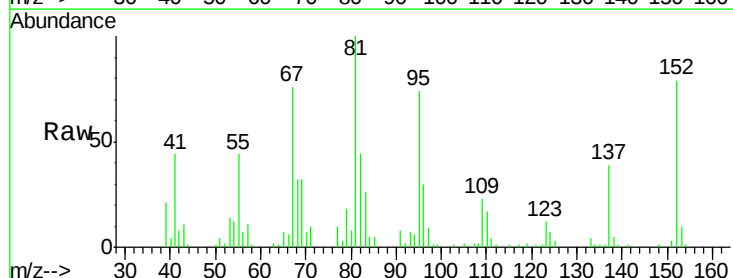
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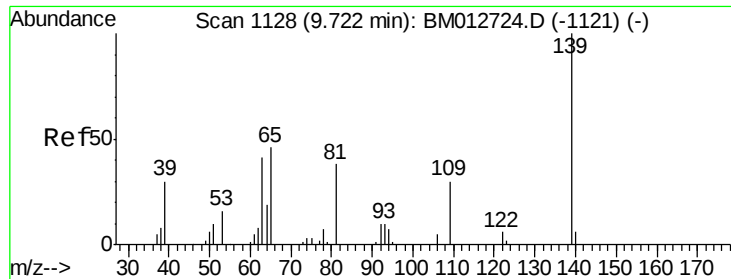
Tot Ion: 77 Resp: 15202
Ion Ratio Lower Upper
77 100
123 11.9 39.0 58.4#
65 85.9 10.4 15.6#



#21
Isophorone
Concen: 2.76 ng/ul
RT: 9.53 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

Tgt Ion: 82 Resp: 37365
Ion Ratio Lower Upper
82 100
95 168.9 6.4 9.6#
138 10.4 14.9 22.3#

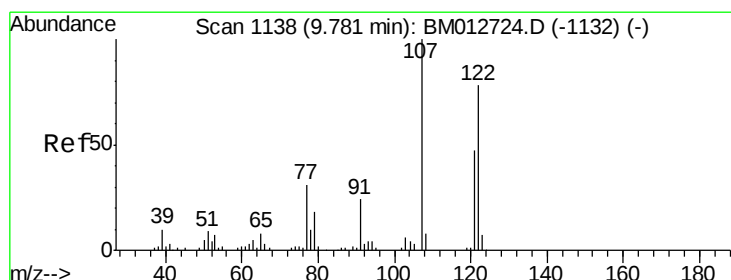
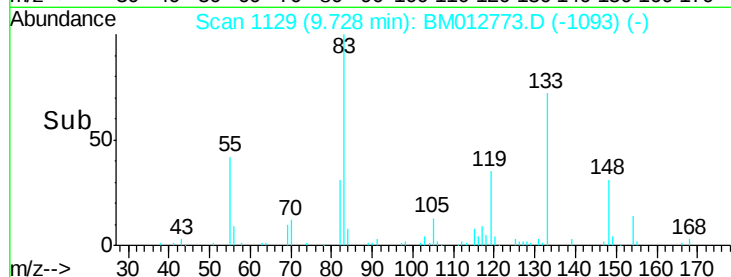
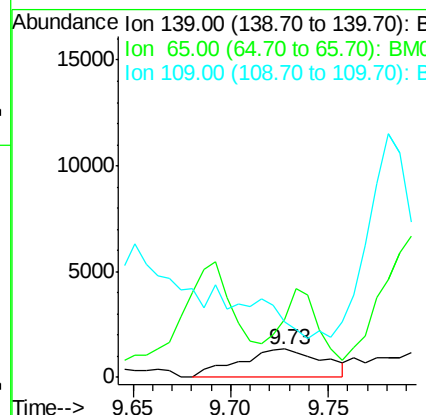
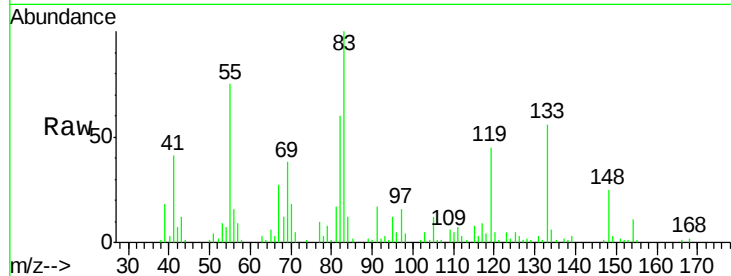




#23
2-Nitrophenol
Concen: 1.01 ng/ul
RT: 9.73 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

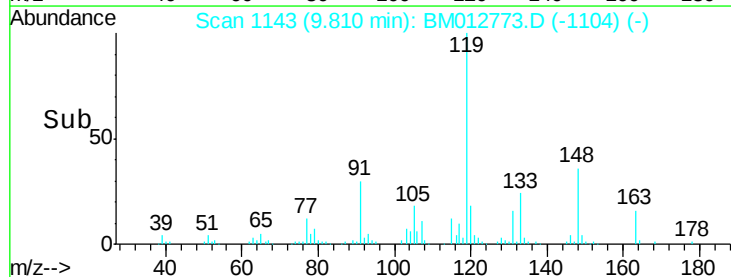
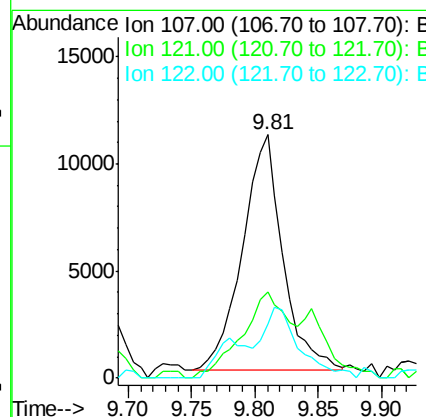
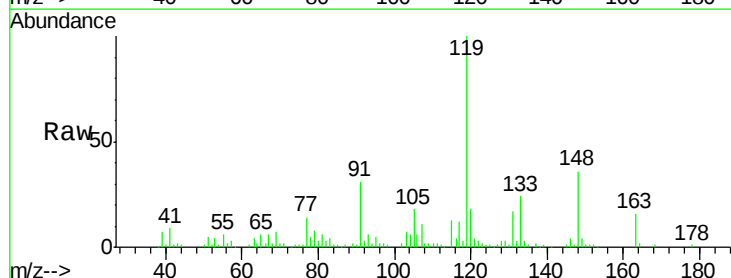
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B-67(2.5-3.8)-101017DL

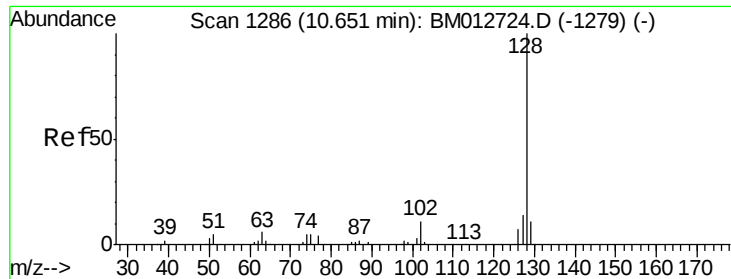
Tot Ion:139 Resp: 3988
Ion Ratio Lower Upper
139 100
65 204.7 36.3 54.5#
109 195.0 26.4 39.6#



#24
2,4-Dimethylphenol
Concen: 3.08 ng/ul
RT: 9.81 min Scan# 1143
Delta R.T. 0.03 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

Tgt Ion:107 Resp: 24584
Ion Ratio Lower Upper
107 100
121 35.2 40.6 61.0#
122 22.4 67.8 101.6#





#28

Naphthalene

Concen: 13.10 ng/ul

RT: 10.65 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL

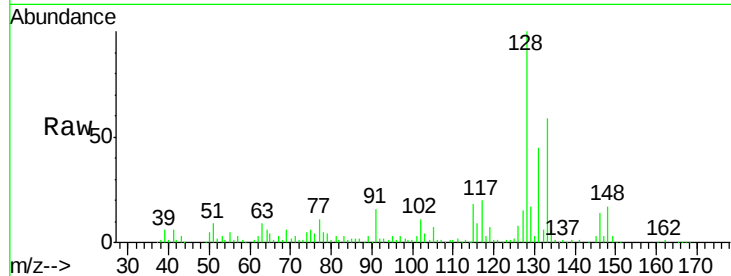
Tot Ion:128 Resp: 282703

Ion Ratio Lower Upper

128 100

129 17.4 8.8 13.2#

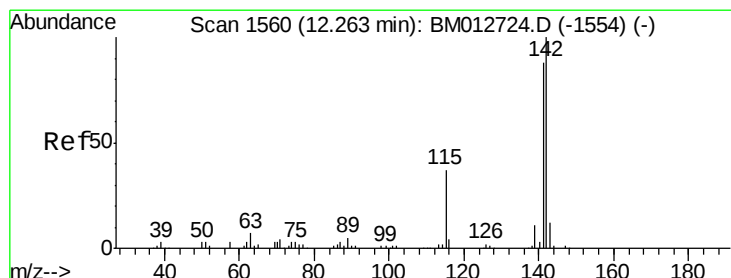
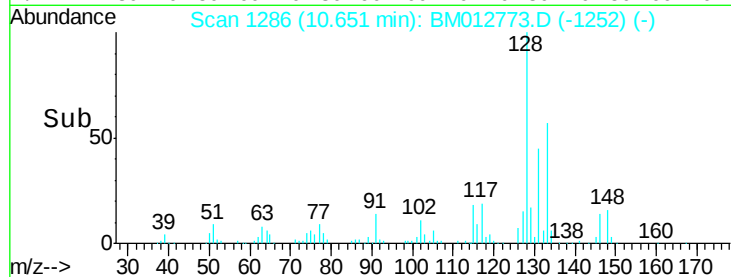
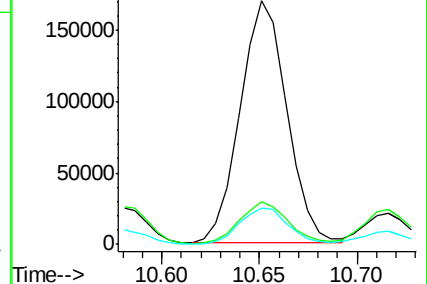
127 14.8 10.5 15.7



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



#34

2-Methylnaphthalene

Concen: 3.26 ng/ul

RT: 12.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM012773.D

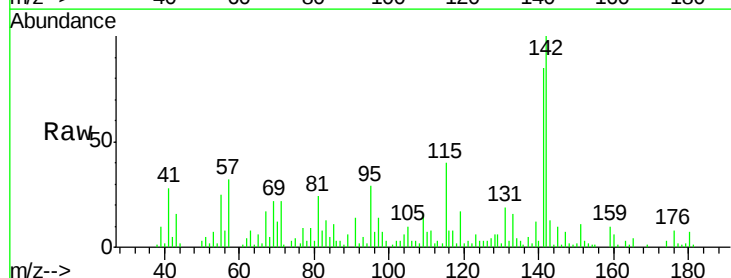
Acq: 06 Nov 2017 12:35

Tgt Ion:142 Resp: 53809

Ion Ratio Lower Upper

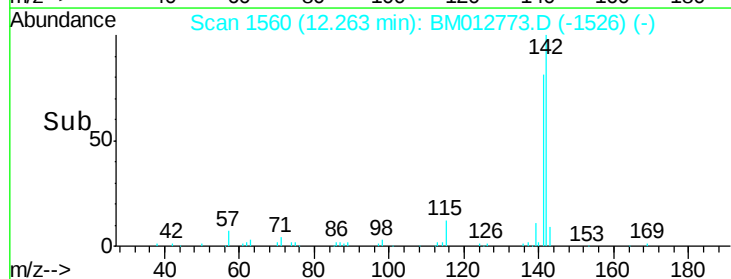
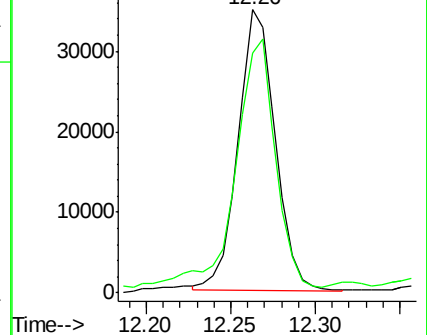
142 100

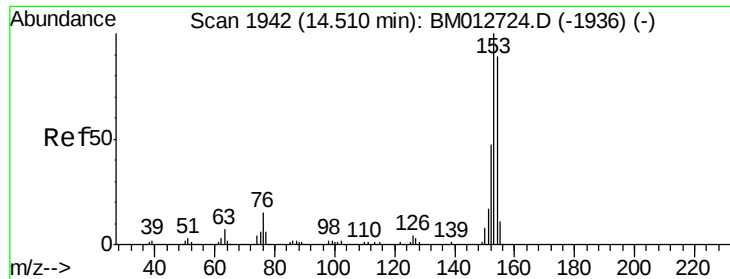
141 84.5 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 1.11 ng/ul

RT: 14.52 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BM012773.D

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B-67(2.5-3.8)-101017DL

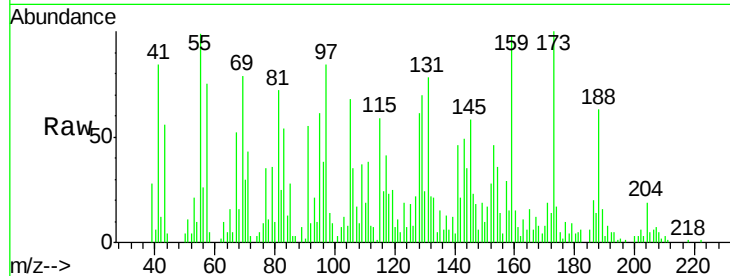
Tot Ion:153 Resp: 20004

Ion Ratio Lower Upper

153 100

152 61.2 38.3 57.5#

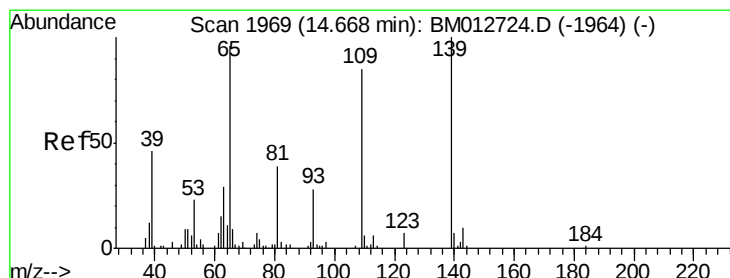
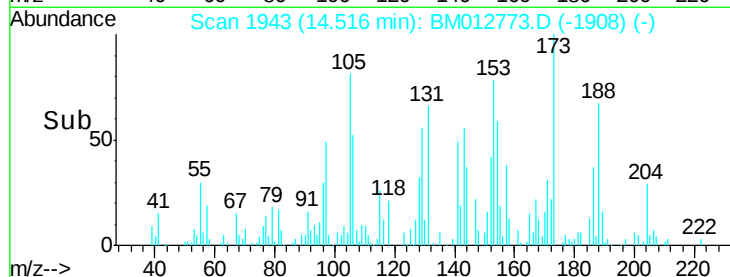
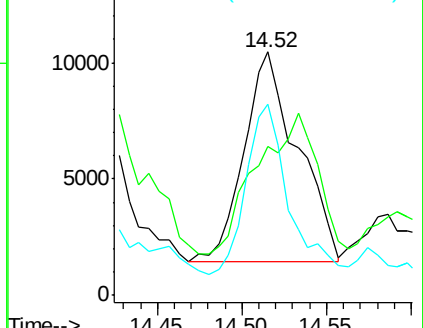
154 78.5 71.8 107.8



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



#52

4-Nitrophenol

Concen: 1.10 ng/ul

RT: 14.69 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

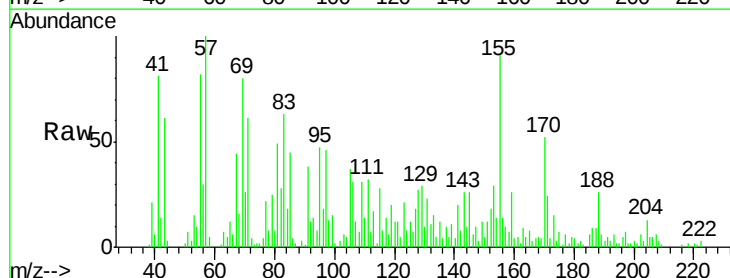
Tgt Ion:109 Resp: 3447

Ion Ratio Lower Upper

109 100

139 34.3 103.7 155.5#

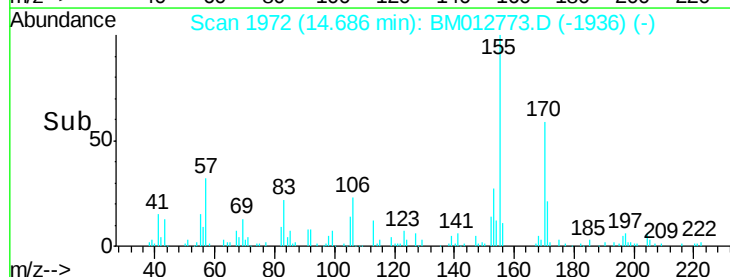
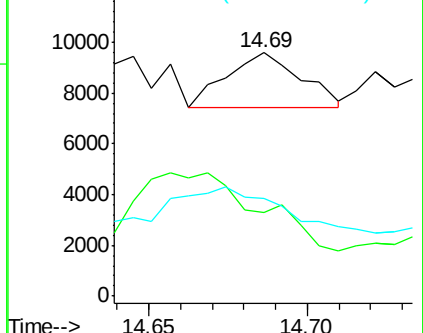
65 40.2 89.4 134.2#

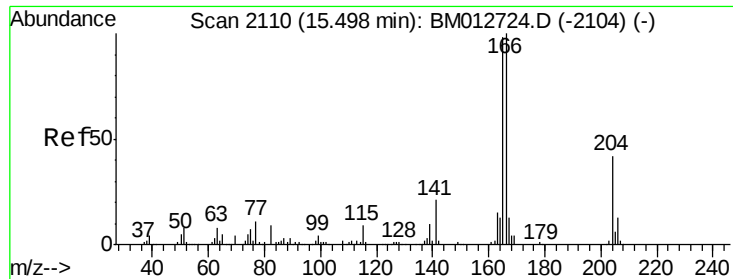


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#58

Fluorene

Concen: 1.94 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL

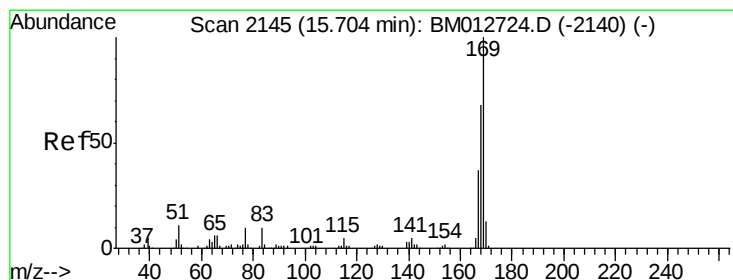
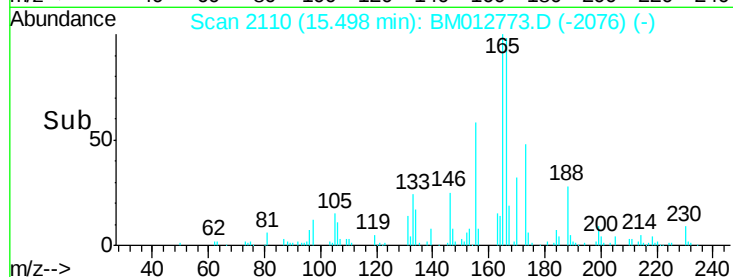
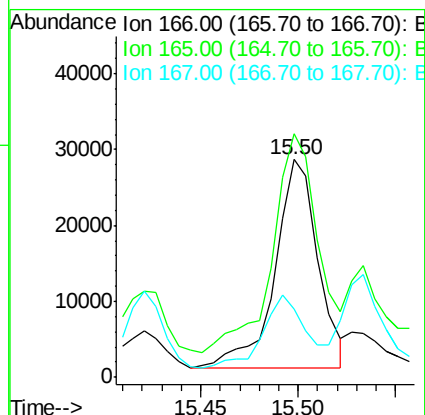
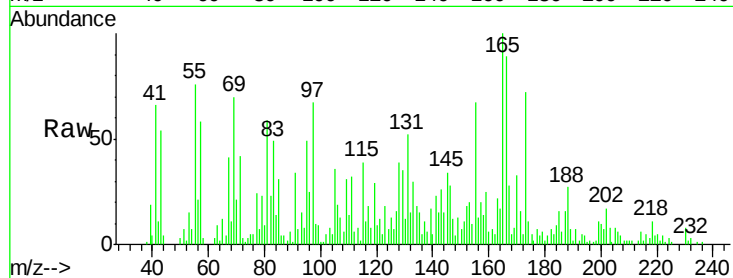
Tot Ion:166 Resp: 42300

Ion Ratio Lower Upper

166 100

165 111.9 78.5 117.7

167 31.3 10.7 16.1#



#64

N-Nitrosodiphenylamine

Concen: 3.60 ng/ul

RT: 15.71 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

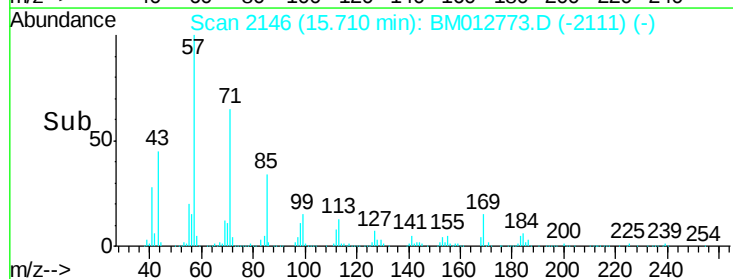
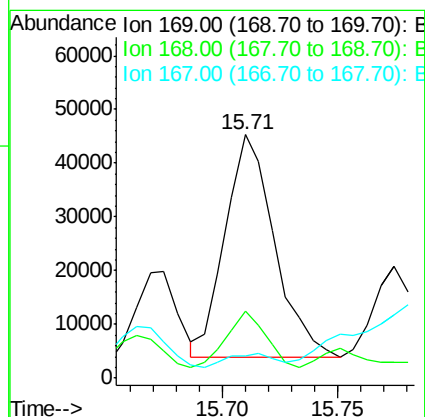
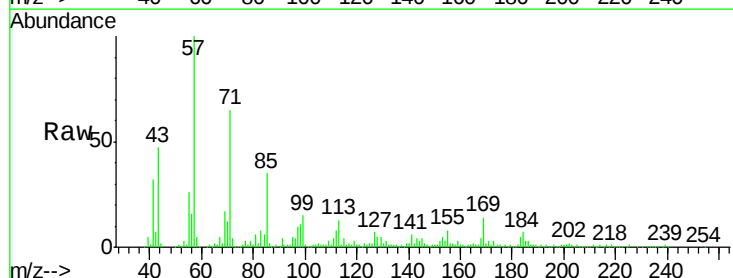
Tgt Ion:169 Resp: 61563

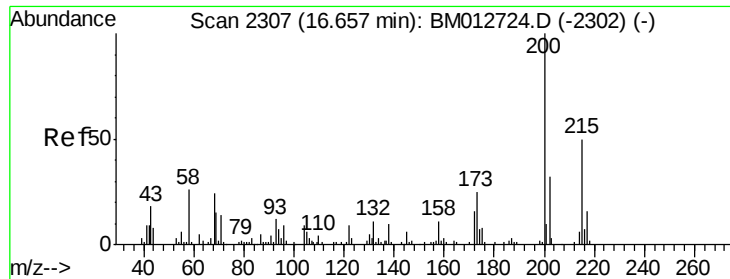
Ion Ratio Lower Upper

169 100

168 27.6 53.8 80.8#

167 9.4 29.3 43.9#





#67

Atrazine

Concen: 1.74 ng/ul

RT: 16.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL

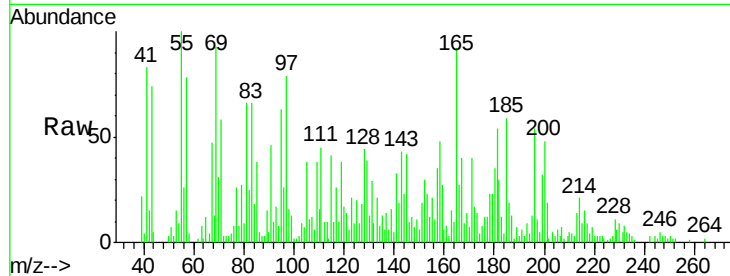
Tot Ion:200 Resp: 11917

Ion Ratio Lower Upper

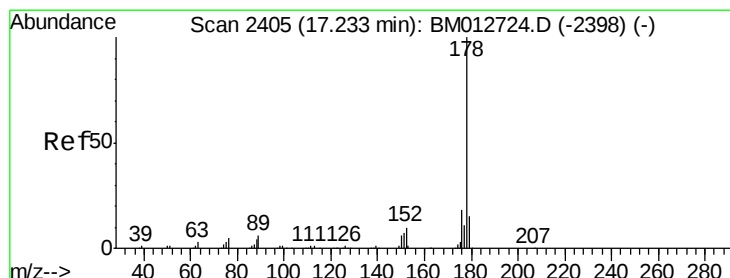
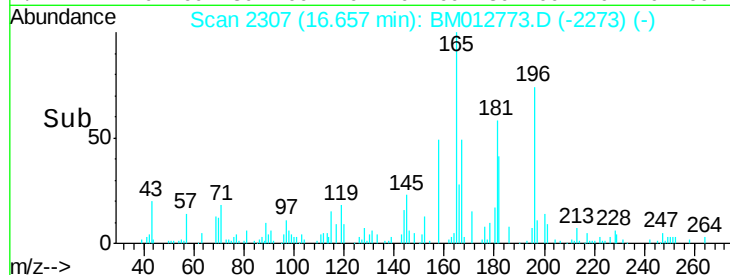
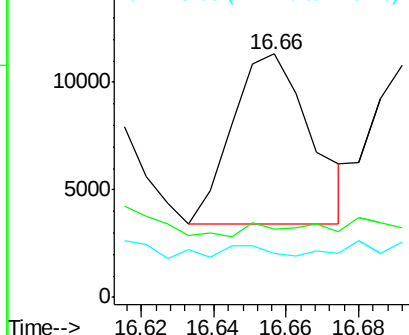
200 100

173 28.3 21.6 32.4

215 17.9 37.0 55.4#



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: 1.84 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

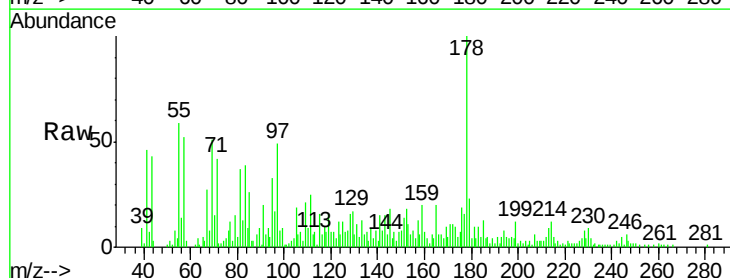
Tgt Ion:178 Resp: 57128

Ion Ratio Lower Upper

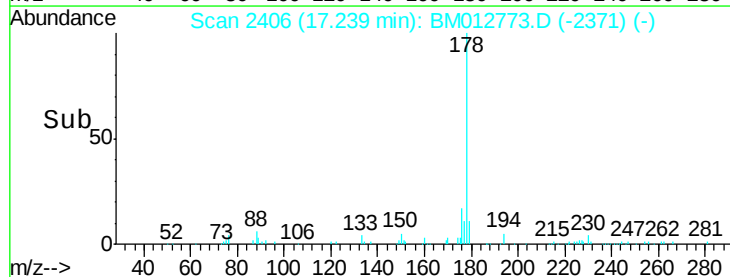
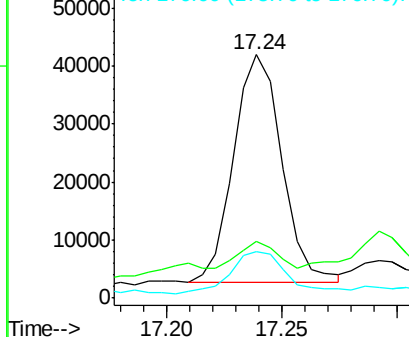
178 100

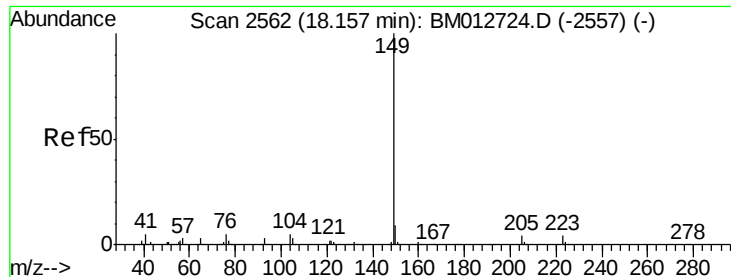
179 23.5 12.2 18.4#

176 19.2 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

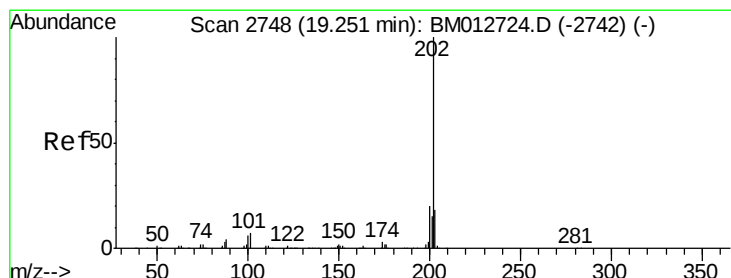
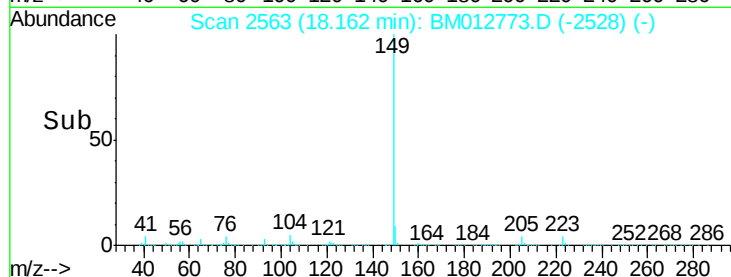
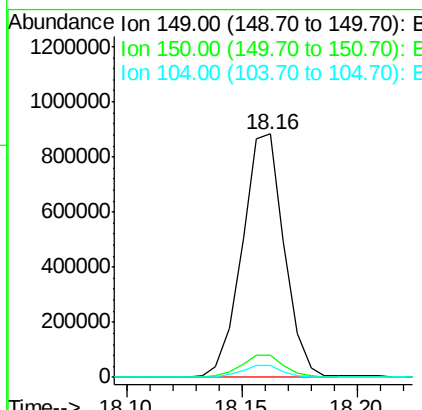
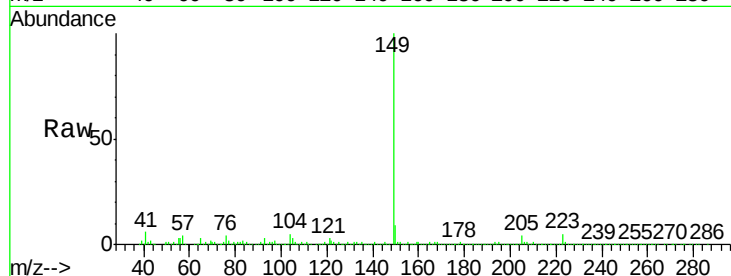




#75
Di-n-butylphthalate
Concen: 35.33 ng/ul
RT: 18.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

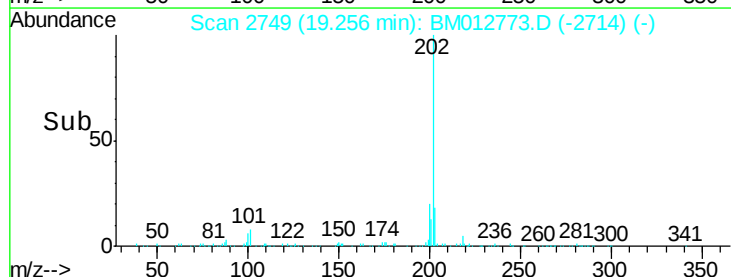
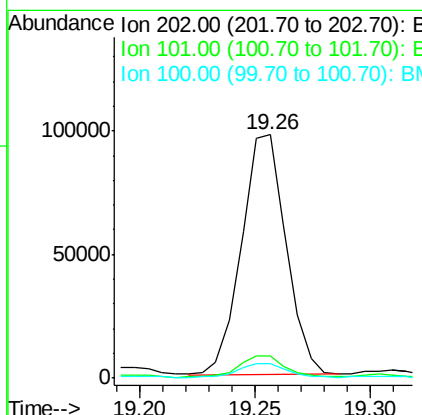
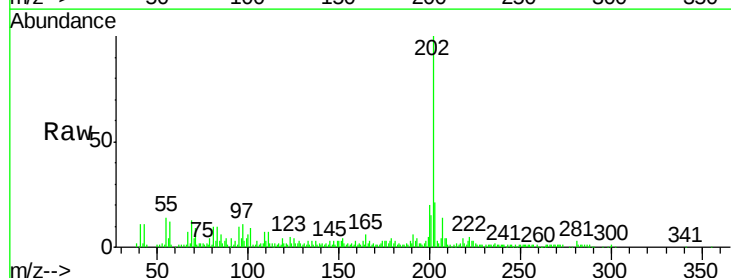
Instrument :
BNA_M
ClientSampleId :
B-67(2.5-3.8)-101017DL

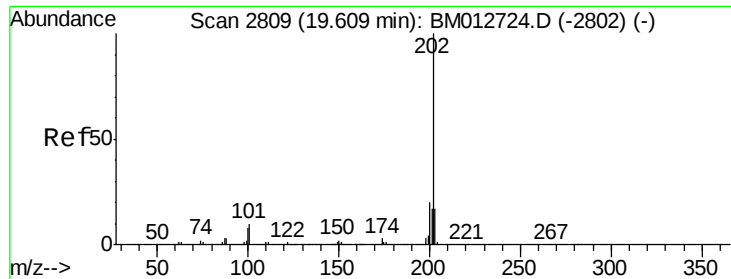
Tot Ion:149 Resp: 1108591
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.8 4.0 6.0



#76
Fluoranthene
Concen: 3.51 ng/ul
RT: 19.26 min Scan# 2749
Delta R.T. 0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

Tgt Ion:202 Resp: 130783
Ion Ratio Lower Upper
202 100
101 9.0 8.8 13.2
100 5.9 6.6 9.8#

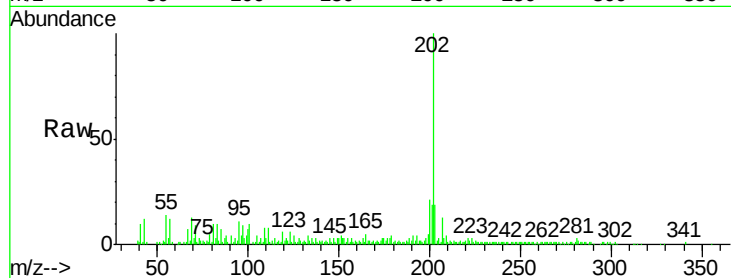




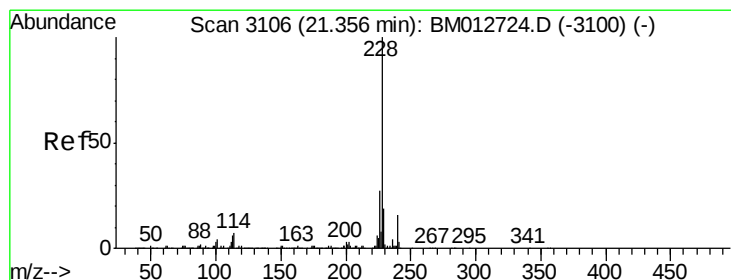
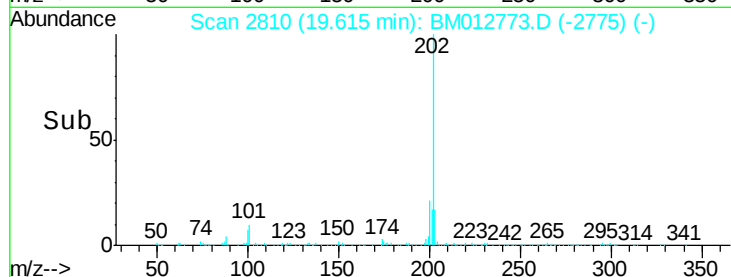
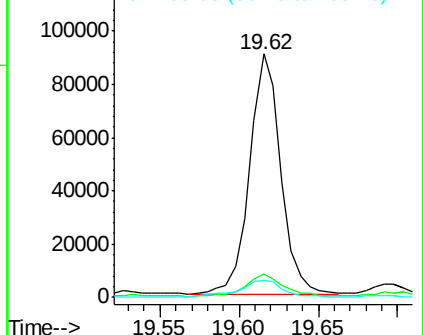
#79
Pvrene
Concen: 4.18 ng/ul
RT: 19.62 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

Instrument :
BNA_M
ClientSampleId :
B-67(2.5-3.8)-101017DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	10.2	15.2#
100	7.1	8.5	12.7#

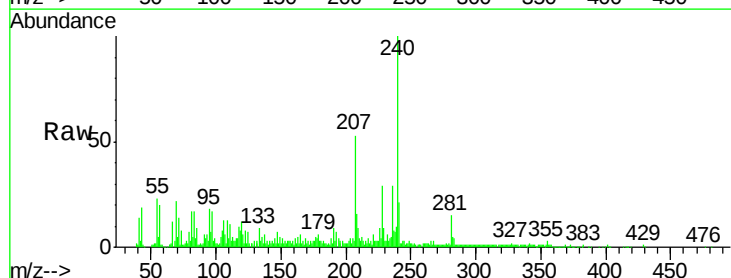


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

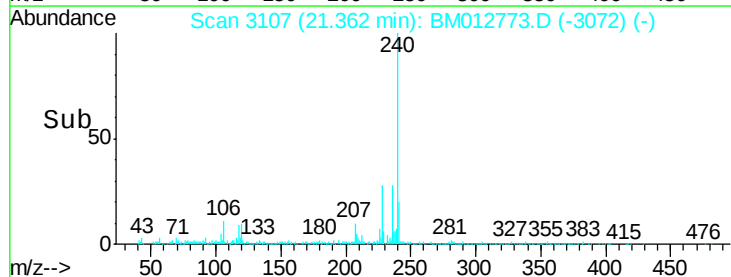
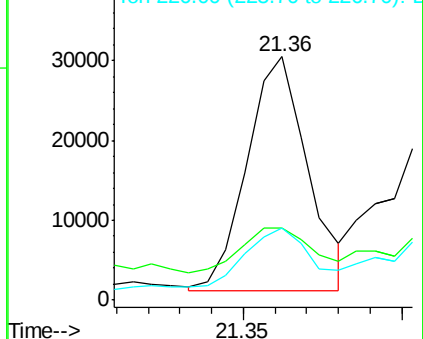


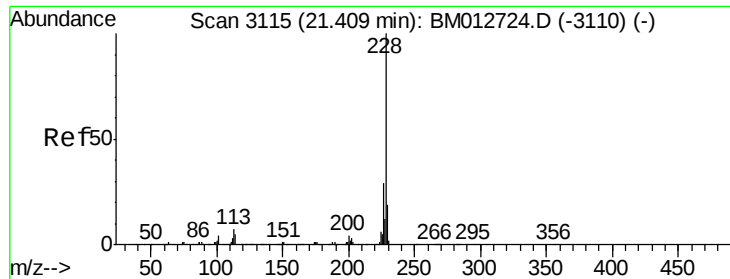
#82
Benzo(a)anthracene
Concen: 1.29 ng/ul
RT: 21.36 min Scan# 3107
Delta R.T. 0.01 min
Lab File: BM012773.D
Acq: 06 Nov 2017 12:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	29.4	15.7	23.5#
226	29.8	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





#84

Chrysene

Concen: 1.61 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL

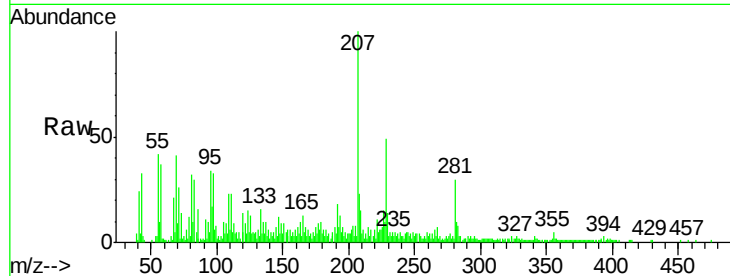
Tot Ion:228 Resp: 44115

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

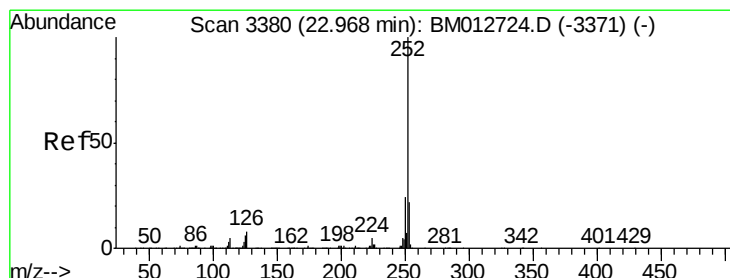
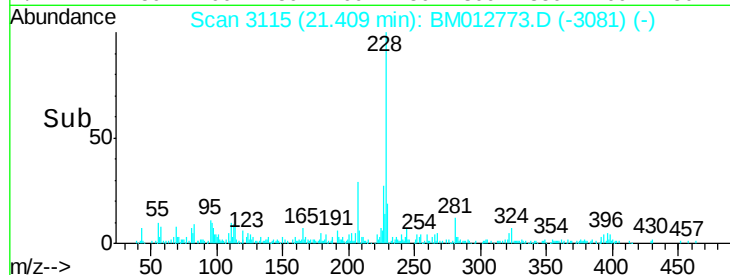
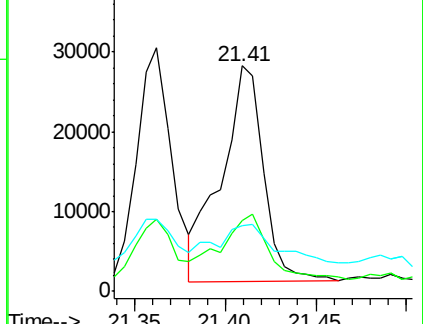
229 29.2 15.6 23.4#



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



#87

Benzo(b)fluoranthene

Concen: 1.49 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. 0.01 min

Lab File: BM012773.D

Acq: 06 Nov 2017 12:35

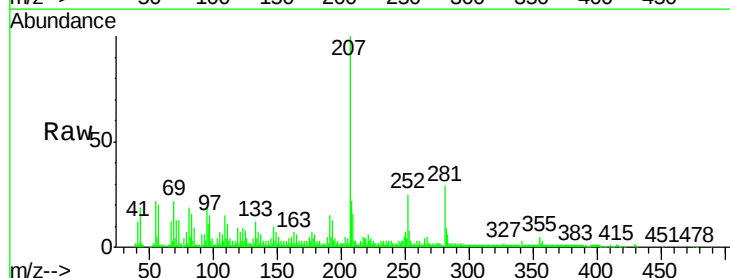
Tgt Ion:252 Resp: 47391

Ion Ratio Lower Upper

252 100

253 31.4 17.5 26.3#

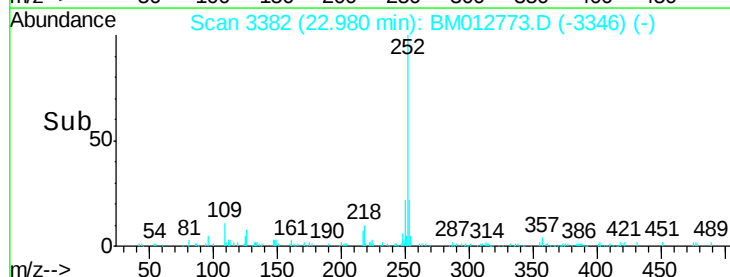
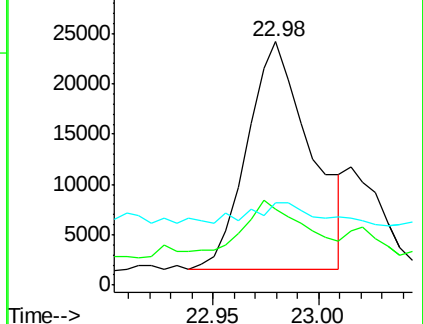
125 33.7 8.5 12.7#

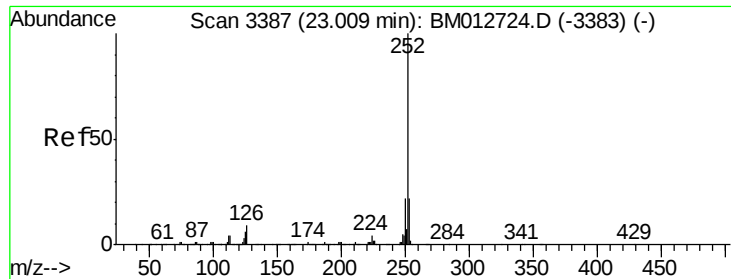


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1.57 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. -0.03 min

Lab File: BM012773.D

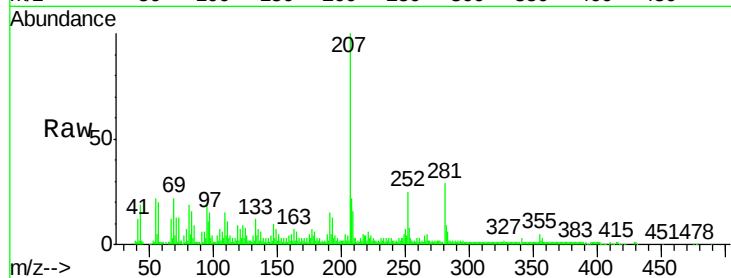
Acq: 06 Nov 2017 12:35

Instrument :

BNA_M

ClientSampleId :

B-67(2.5-3.8)-101017DL



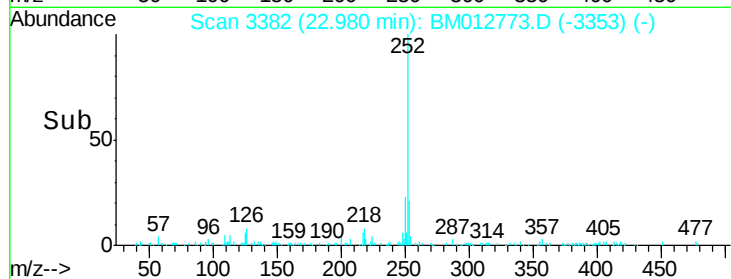
Tot Ion: 252 Resp: 47391

Ion Ratio Lower Upper

252 100

253 31.4 17.3 25.9#

125 33.7 8.2 12.2#



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

