

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008826.D
 Acq On : 24 Jan 2017 05:55
 Operator : UM/SJ
 Sample : I1323-21
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

Quant Time: Jan 24 06:55:31 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 24 04:28:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	78391	20.00	ng/ul	0.00
18) Naphthalene-d8	10.75	136	363885	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	308861	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	640998	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	709966	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	615563	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	2199	1.39	ng/uL	0.01
5) Phenol-d5	7.09	99	39565	5.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	175247	33.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	113455	26.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.64	113	85613	16.47	ng/ul	0.01
19) Nitrobenzene-d5	9.10	128	79439	34.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	98047	34.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	189685	32.19	ng/ul	0.01
29) 4-Chloroaniline-d4	10.89	131	350	0.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.98	166	765423	37.82	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	949892	39.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	532	0.16	ng/ul	-0.02
57) Fluorene-d10	15.57	176	690228	35.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.71	200	3013256	789.46	ng/ul	0.03
70) Anthracene-d10	17.42	188	1126610	40.19	ng/ul	0.00
76) Pyrene-d10	19.70	212	1267122	40.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1031620	39.57	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.12	94	114921	15.88	ng/ul#	49
17) Hexachloroethane	9.05	117	14558	5.28	ng/ul#	4
21) Isophorone	9.67	82	71779	4.36	ng/ul#	91
25) Bis(2-Chloroethoxy)methane	10.16	93	9778	1.19	ng/ul#	1
28) Naphthalene	10.81	128	9775655	581.89	ng/ul	100
30) 4-Chloroaniline	10.81	127	1341220	204.04	ng/ul#	21
34) 2-Methylnaphthalene	12.40	142	698892	51.24	ng/ul	98
38) 2,4,6-Trichlorophenol	13.01	196	6074	1.06	ng/ul	96
39) 2,4,5-Trichlorophenol	13.08	196	564064	91.71	ng/ul	98
40) 1,1'-Biphenyl	13.40	154	135965	7.12	ng/ul#	95
49) Acenaphthene	14.63	153	332619	20.50	ng/ul#	44
52) 4-Nitrophenol	14.76	109	1074917	154.05	ng/ul#	1
53) Dibenzofuran	14.97	168	946924	37.94	ng/ul	89
55) 2,3,4,6-Tetrachlorophenol	15.20	232	27255	4.41	ng/ul#	78
58) Fluorene	15.62	166	677843	32.51	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.71	198	8788391	2225.68	ng/ul#	57
64) N-Nitrosodiphenylamine	15.93	169	22705	1.40	ng/ul#	42
68) Pentachlorophenol	16.97	266	169140	34.13	ng/ul	95
69) Phenanthrene	17.36	178	931824	29.51	ng/ul	97
71) Anthracene	17.36	178	931824	28.85	ng/ul	96
72) Carbazole	17.73	167	1093946	38.63	ng/ul#	96
74) Fluoranthene	19.37	202	50418	1.23	ng/ul#	95

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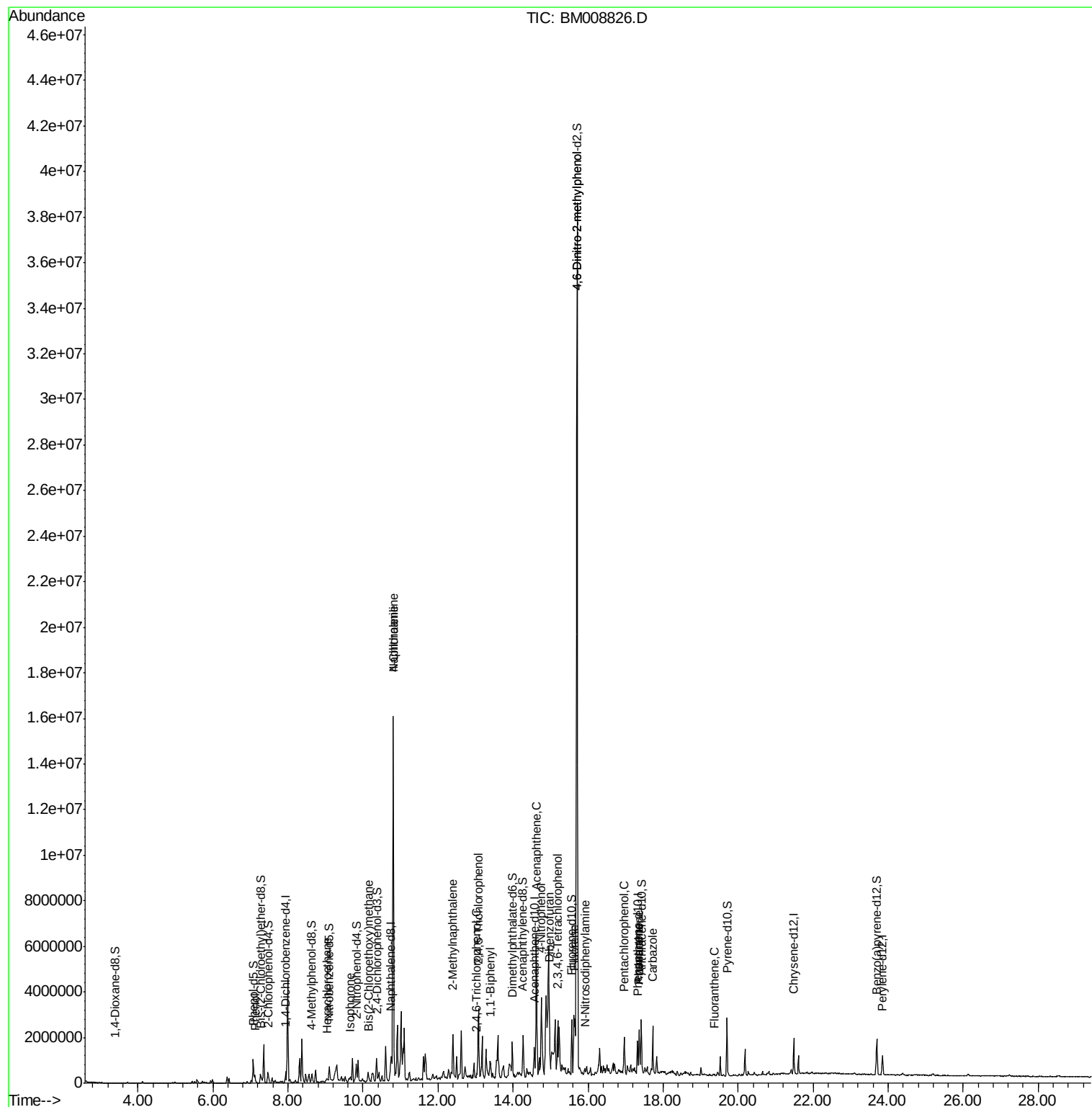
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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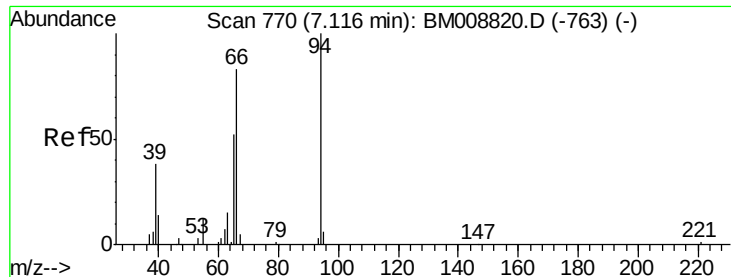
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 15.88 ng/ul

RT: 7.12 min Scan# 770

Delta R.T. 0.00 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

DA9R6

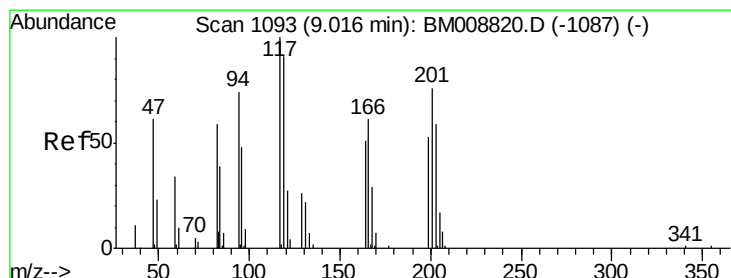
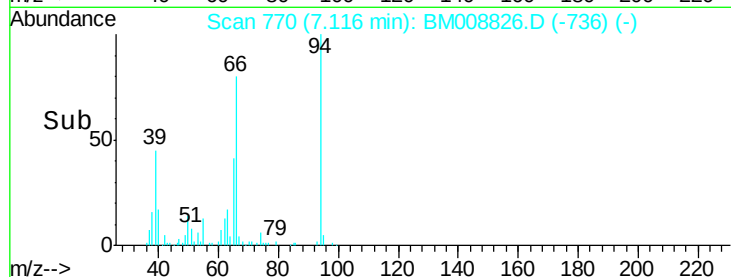
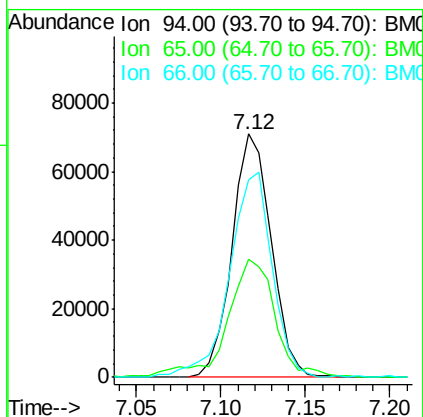
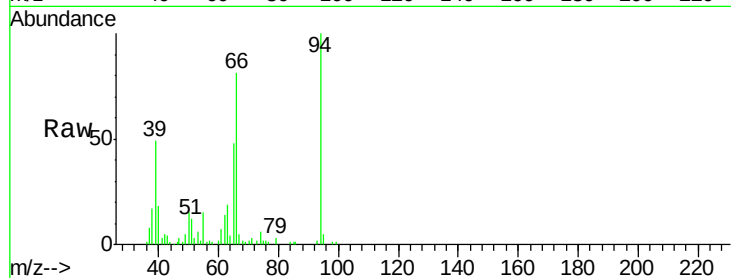
Tgt Ion: 94 Resp: 114921

Ion Ratio Lower Upper

94 100

65 48.4 23.1 34.7#

66 81.0 33.7 50.5#



#17

Hexachloroethane

Concen: 5.28 ng/ul

RT: 9.05 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

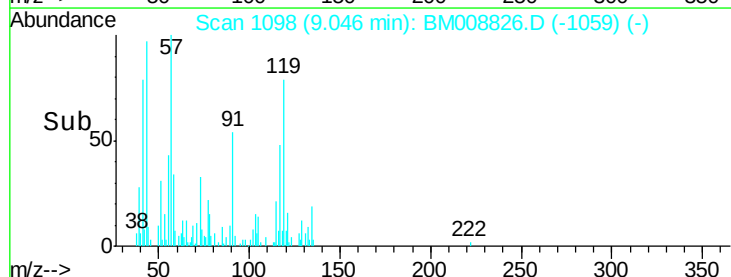
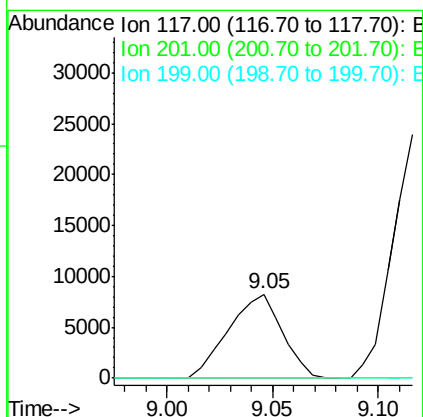
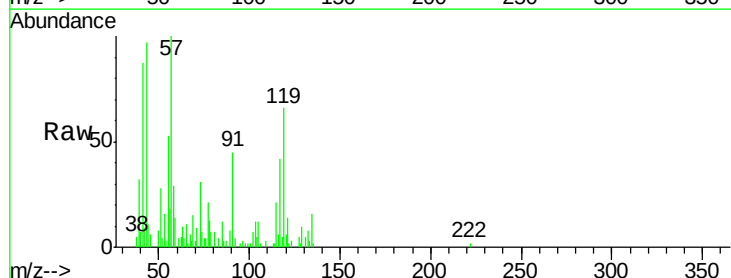
Tgt Ion: 117 Resp: 14558

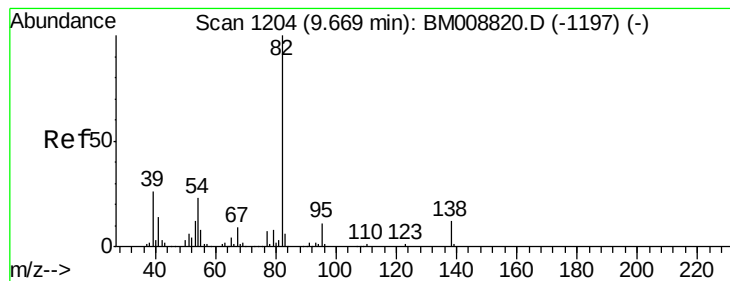
Ion Ratio Lower Upper

117 100

201 0.0 85.4 128.2#

199 0.0 54.1 81.1#





#21

Isophorone

Concen: 4.36 ng/ul

RT: 9.67 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampled :

DA9R6

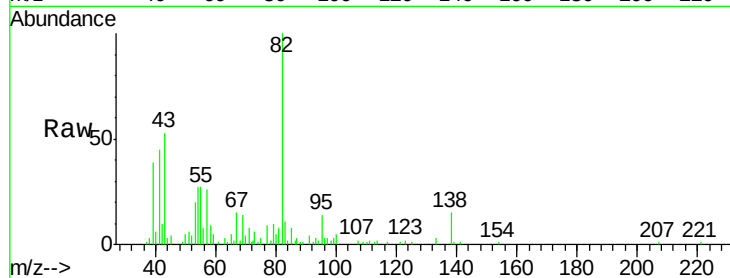
Tgt Ion: 82 Resp: 71779

Ion Ratio Lower Upper

82 100

95 13.6 6.1 9.1#

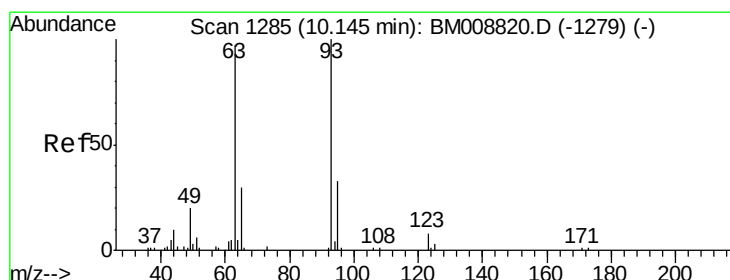
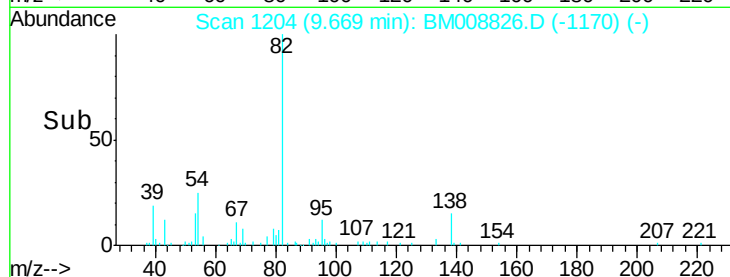
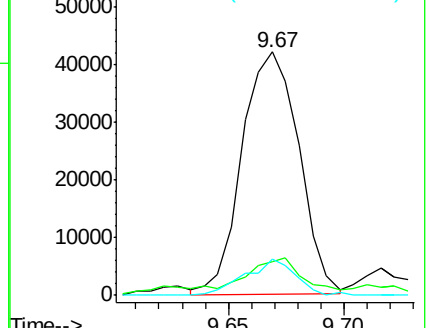
138 14.7 13.4 20.2



Abundance Ion 82.00 (81.70 to 82.70): BM008826.D (-1170) (-)

Ion 95.00 (94.70 to 95.70): BM008826.D (-1170) (-)

Ion 138.00 (137.70 to 138.70): BM008826.D (-1170) (-)



#25

Bis(2-Chloroethoxy)methane

Concen: 1.19 ng/ul

RT: 10.16 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

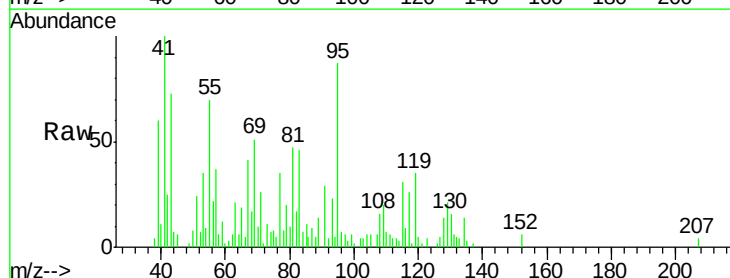
Tgt Ion: 93 Resp: 9778

Ion Ratio Lower Upper

93 100

95 370.0 24.2 36.2#

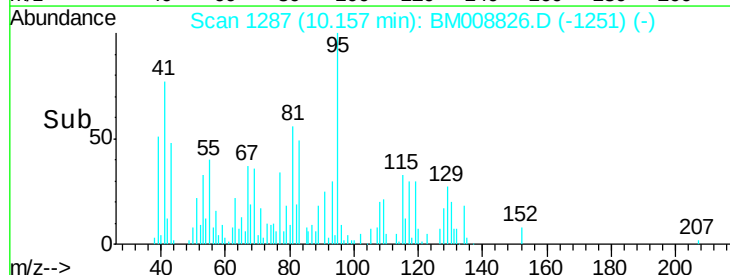
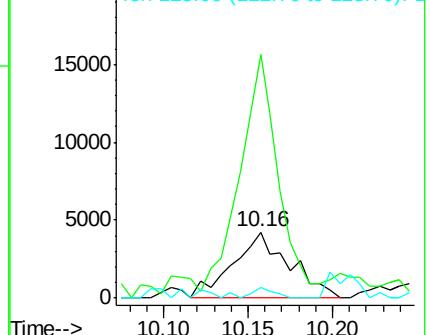
123 16.8 8.2 12.2#

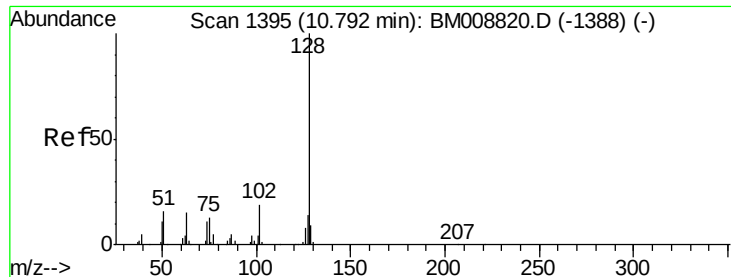


Abundance Ion 93.00 (92.70 to 93.70): BM008826.D (-1251) (-)

Ion 95.00 (94.70 to 95.70): BM008826.D (-1251) (-)

Ion 123.00 (122.70 to 123.70): BM008826.D (-1251) (-)

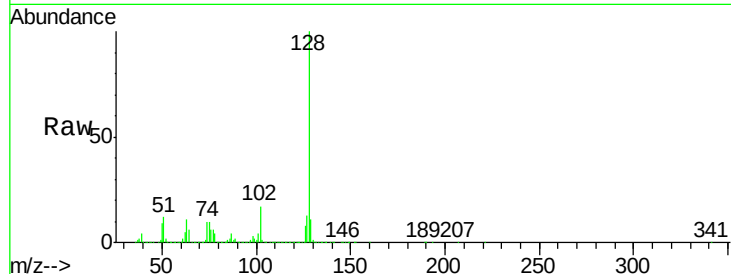




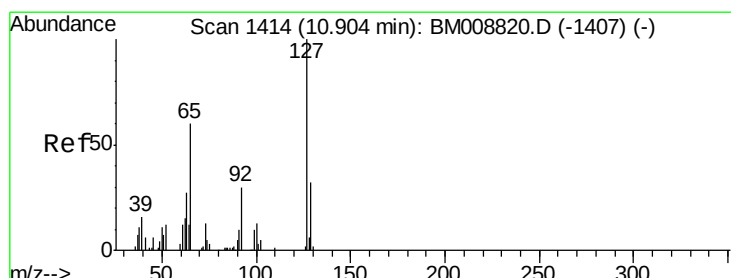
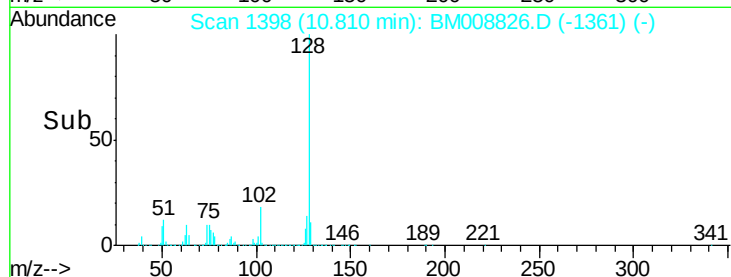
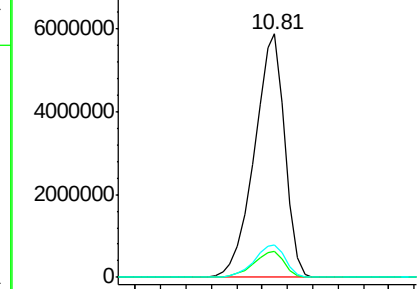
#28
Naphthalene
Concen: 581.89 ng/ul
RT: 10.81 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BM008826.D
Acq: 24 Jan 2017 05:55

Instrument :
BNA_M
ClientSampleId :
DA9R6

Tgt Ion:128 Resp: 9775655
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 13.4 10.6 16.0

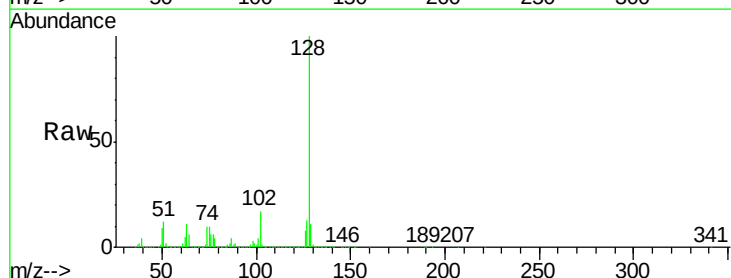


Abundance Ion 128.00 (127.70 to 128.70): E
8000000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

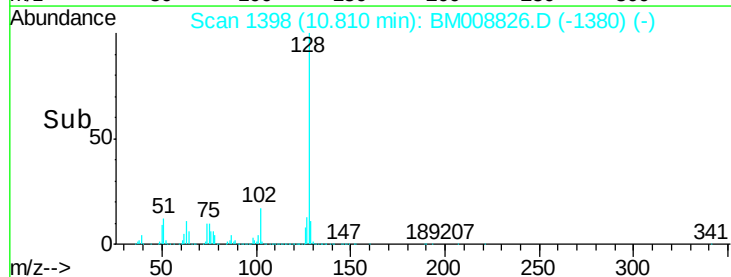
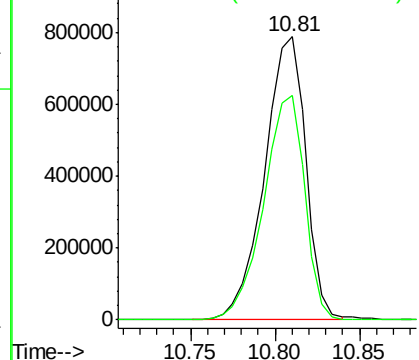


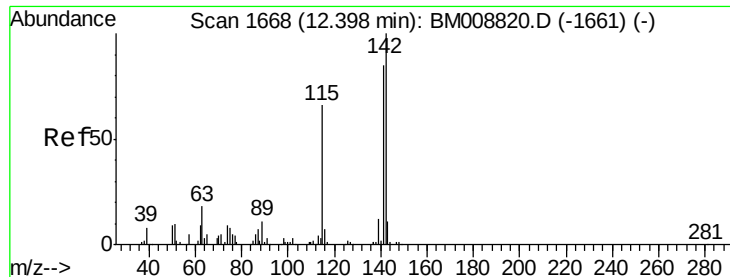
#30
4-Chloroaniline
Concen: 204.04 ng/ul
RT: 10.81 min Scan# 1398
Delta R.T. -0.09 min
Lab File: BM008826.D
Acq: 24 Jan 2017 05:55

Tgt Ion:127 Resp: 1341220
Ion Ratio Lower Upper
127 100
129 79.3 27.1 40.7#



Abundance Ion 127.00 (126.70 to 127.70): E
800000
Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 51.24 ng/ul

RT: 12.40 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

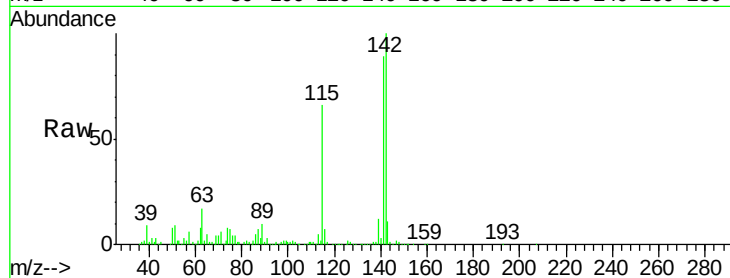
DA9R6

Tgt Ion:142 Resp: 698892

Ion Ratio Lower Upper

142 100

141 89.0 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.40

400000

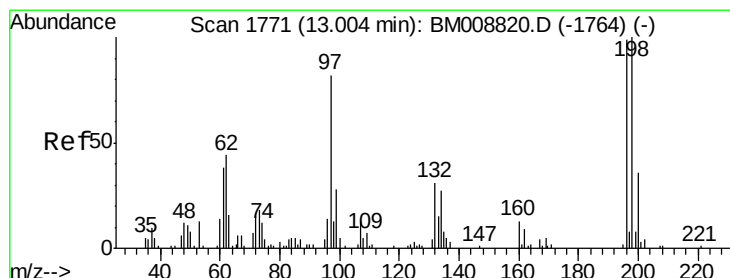
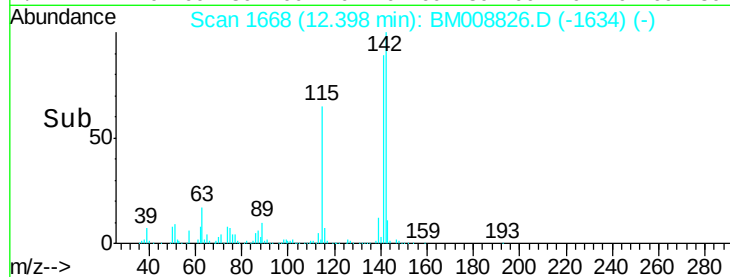
300000

200000

100000

0

Time-->



#38

2,4,6-Trichlorophenol

Concen: 1.06 ng/ul

RT: 13.01 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

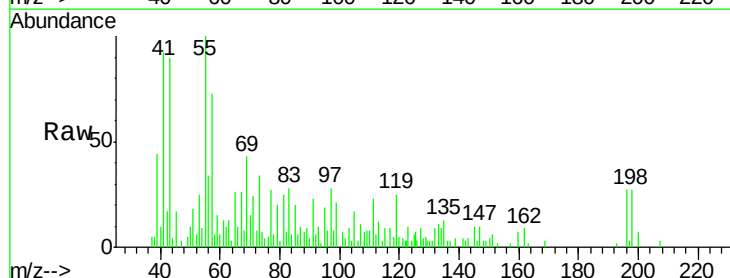
Tgt Ion:196 Resp: 6074

Ion Ratio Lower Upper

196 100

198 101.4 78.8 118.2

200 27.3 25.7 38.5



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

40000

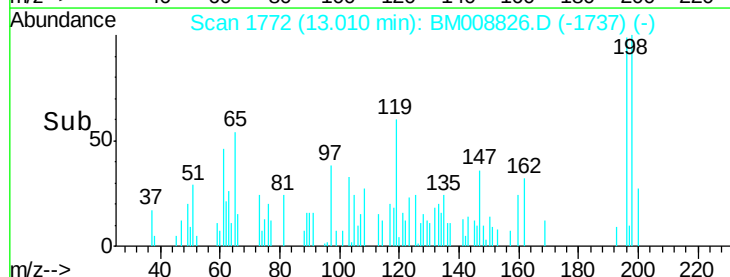
30000

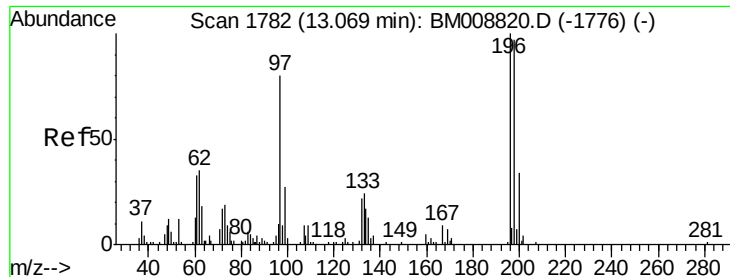
20000

10000

0

Time-->

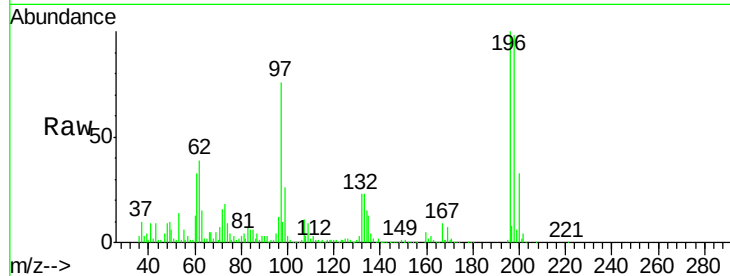




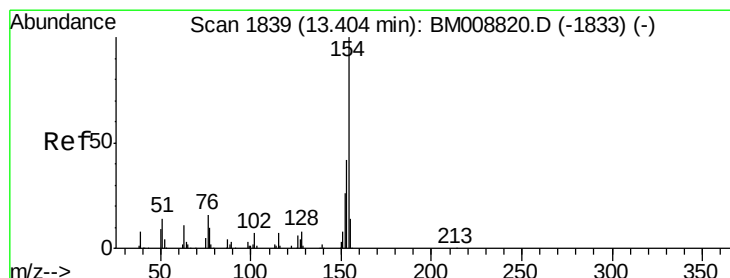
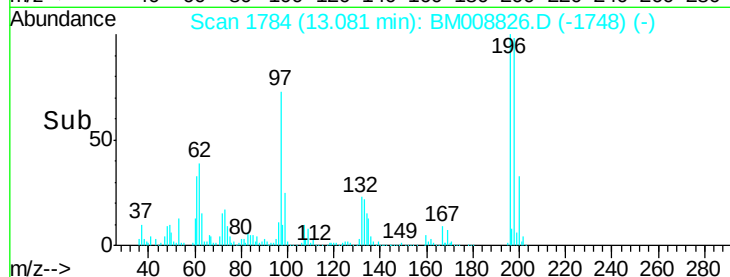
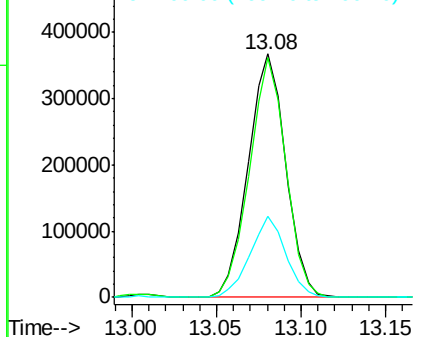
#39
 2,4,5-Trichlorophenol
 Concen: 91.71 ng/ul
 RT: 13.08 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BM008826.D
 Acq: 24 Jan 2017 05:55

Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

Tgt Ion:196 Resp: 564064
 Ion Ratio Lower Upper
 196 100
 198 98.2 77.8 116.6
 200 33.3 23.6 35.4

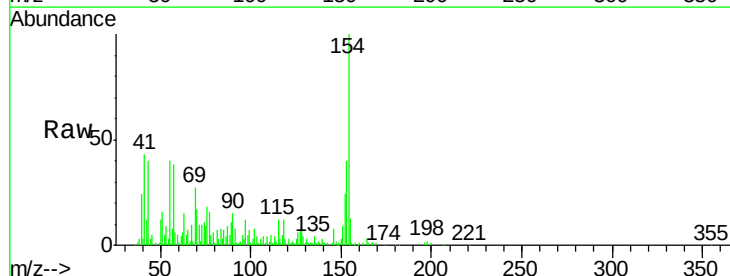


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

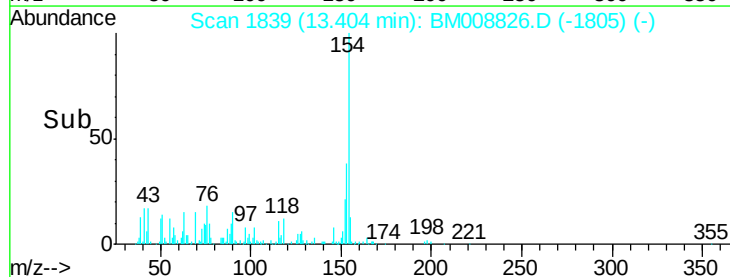
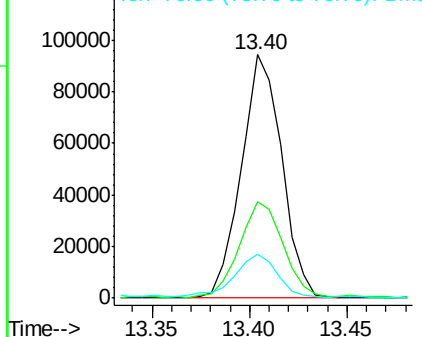


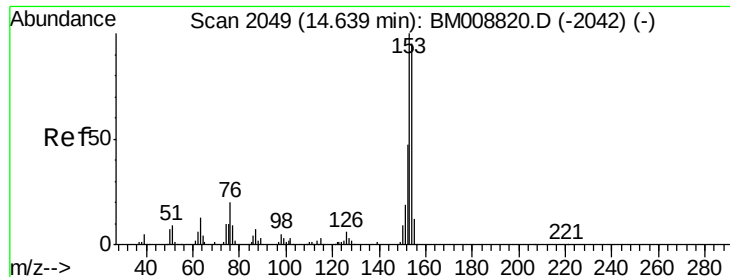
#40
 1,1'-Biphenyl
 Concen: 7.12 ng/ul
 RT: 13.40 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BM008826.D
 Acq: 24 Jan 2017 05:55

Tgt Ion:154 Resp: 135965
 Ion Ratio Lower Upper
 154 100
 153 39.6 32.2 48.4
 76 18.3 9.8 14.6#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM





#49

Acenaphthene

Concen: 20.50 ng/ul

RT: 14.63 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

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ClientSampleId :

DA9R6

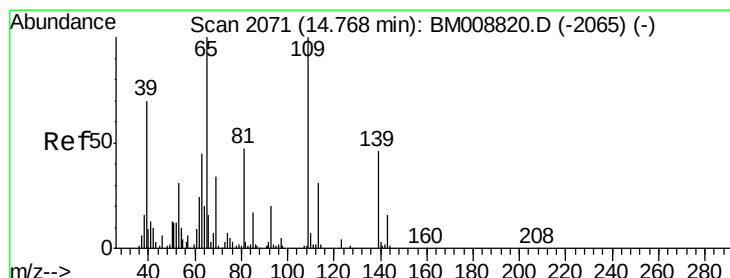
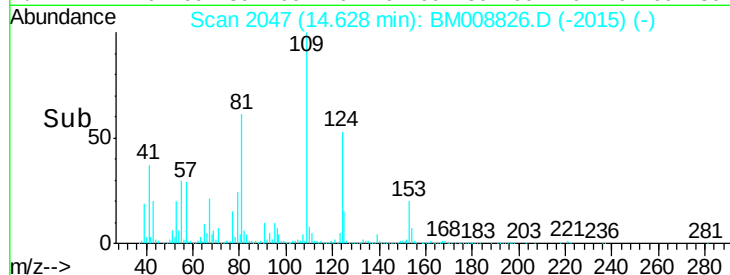
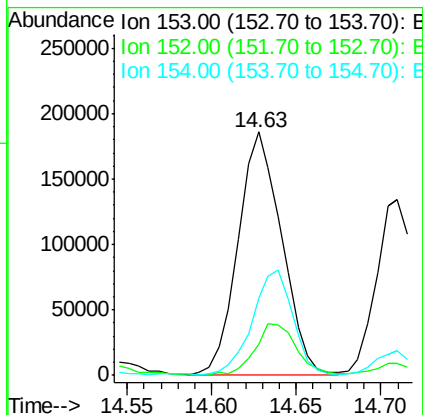
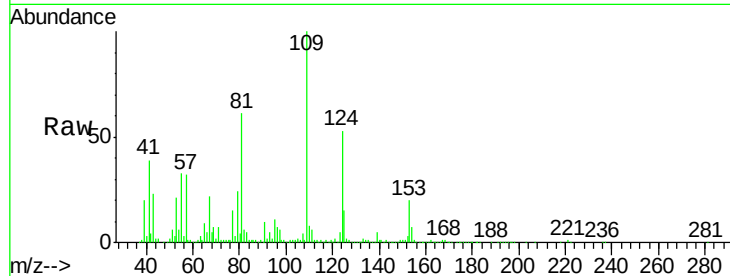
Tgt Ion:153 Resp: 332619

Ion Ratio Lower Upper

153 100

152 12.8 36.4 54.6#

154 31.9 68.7 103.1#



#52

4-Nitrophenol

Concen: 154.05 ng/ul

RT: 14.76 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

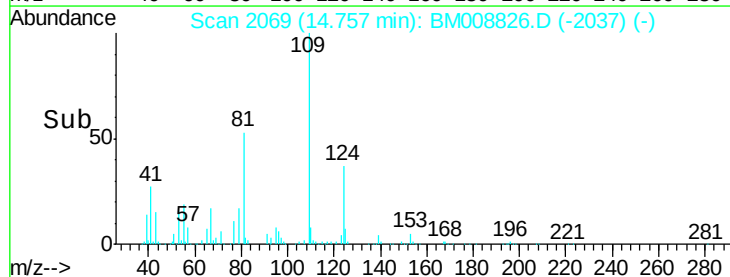
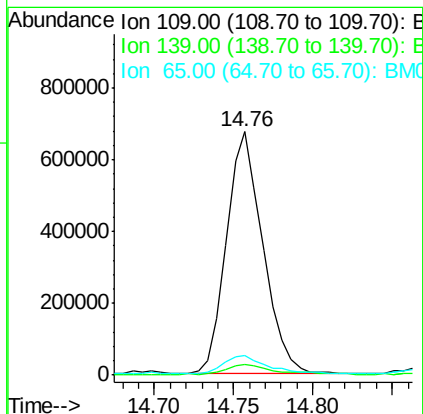
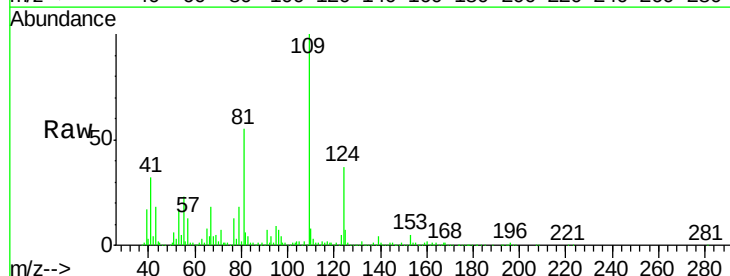
Tgt Ion:109 Resp: 1074917

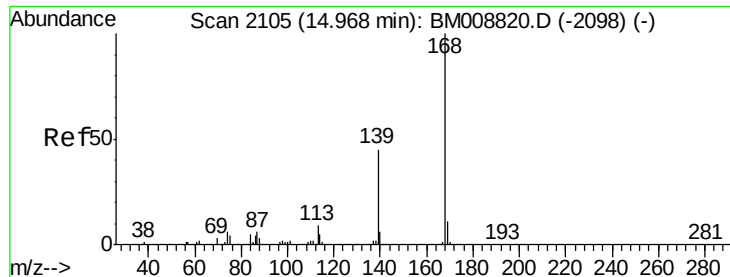
Ion Ratio Lower Upper

109 100

139 4.4 85.4 128.2#

65 7.9 97.7 146.5#





#53

Dibenzofuran

Concen: 37.94 ng/ul

RT: 14.97 min Scan# 2106

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

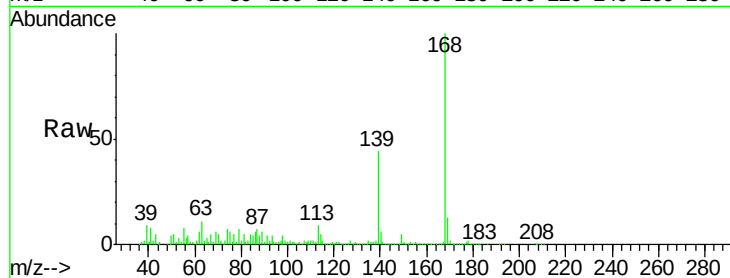
DA9R6

Tgt Ion:168 Resp: 946924

Ion Ratio Lower Upper

168 100

139 44.5 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.97

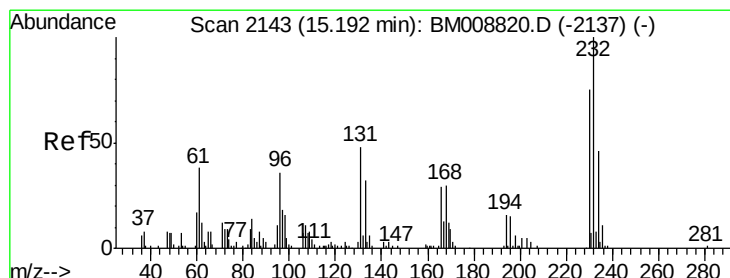
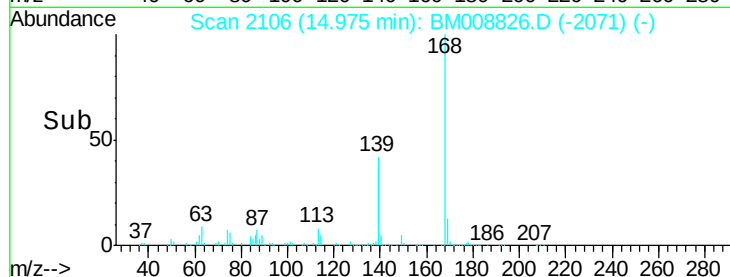
600000

400000

200000

0

Time--> 14.90 14.95 15.00



#55

2,3,4,6-Tetrachlorophenol

Concen: 4.41 ng/ul

RT: 15.20 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Tgt Ion:232 Resp: 27255

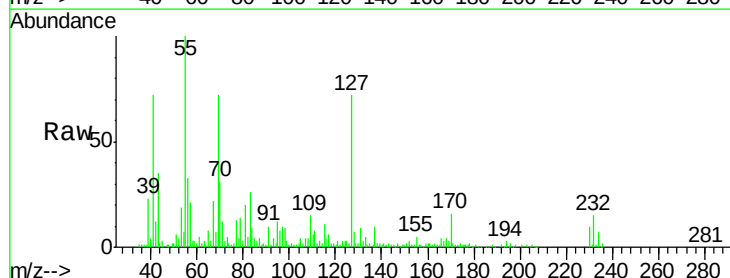
Ion Ratio Lower Upper

232 100

131 61.2 31.8 47.8#

130 13.0 1.8 2.6#

166 27.7 21.6 32.4



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

40000

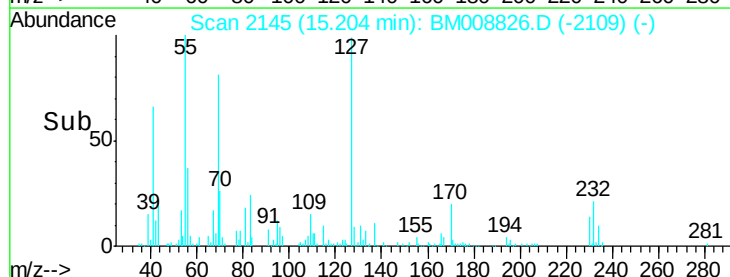
30000

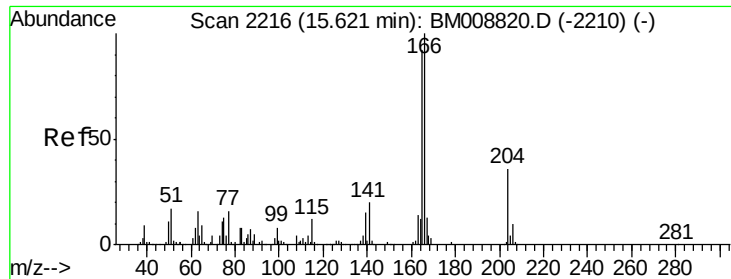
20000

10000

0

Time--> 15.20 15.25

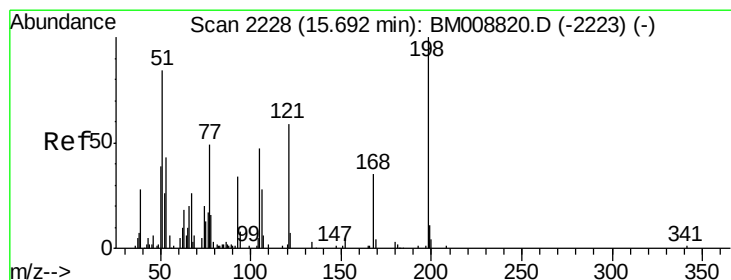
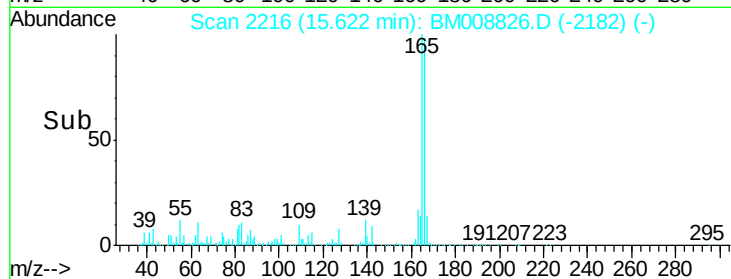
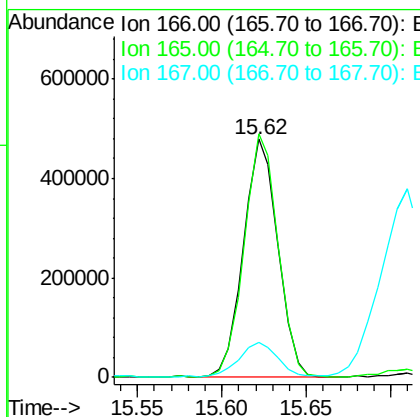
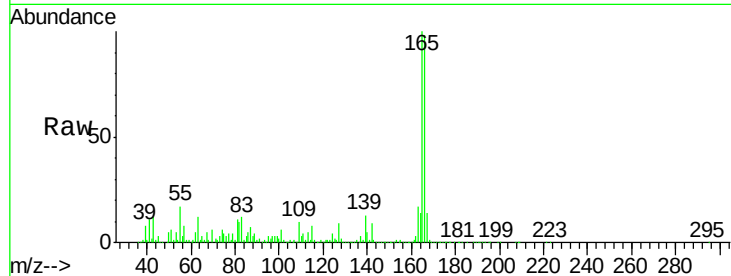




#58
 Fluorene
 Concen: 32.51 ng/ul
 RT: 15.62 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: BM008826.D
 Acq: 24 Jan 2017 05:55

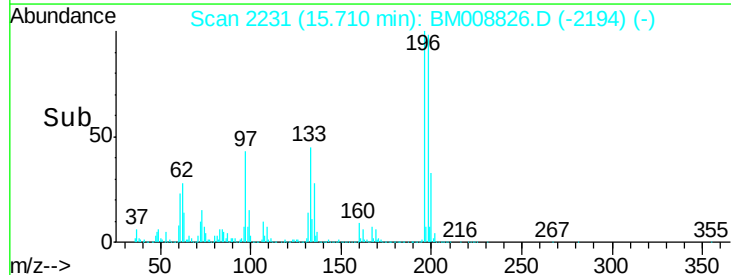
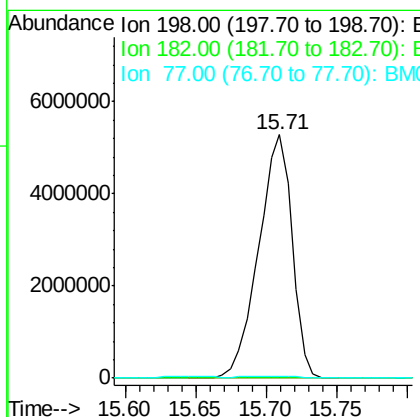
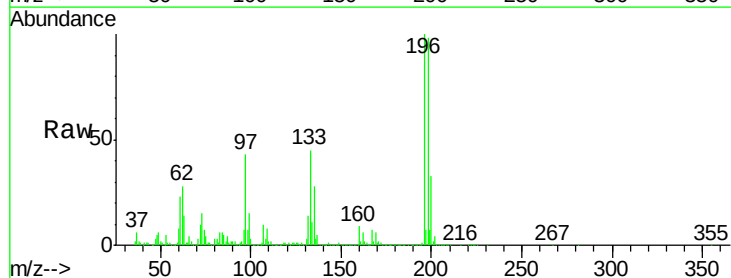
Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

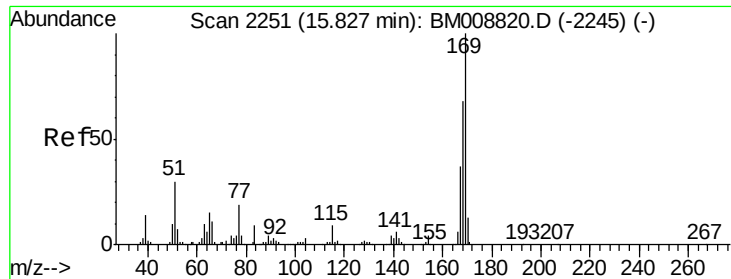
Tgt Ion:166 Resp: 677843
 Ion Ratio Lower Upper
 166 100
 165 102.4 80.2 120.2
 167 14.8 10.9 16.3



#63
 4,6-Dinitro-2-methylphenol
 Concen: 2225.68 ng/ul
 RT: 15.71 min Scan# 2231
 Delta R.T. 0.02 min
 Lab File: BM008826.D
 Acq: 24 Jan 2017 05:55

Tgt Ion:198 Resp: 8788391
 Ion Ratio Lower Upper
 198 100
 182 0.1 4.4 6.6#
 77 0.8 20.5 30.7#





#64

N-Nitrosodiphenylamine

Concen: 1.40 ng/ul

RT: 15.93 min Scan# 2268

Delta R.T. 0.10 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

DA9R6

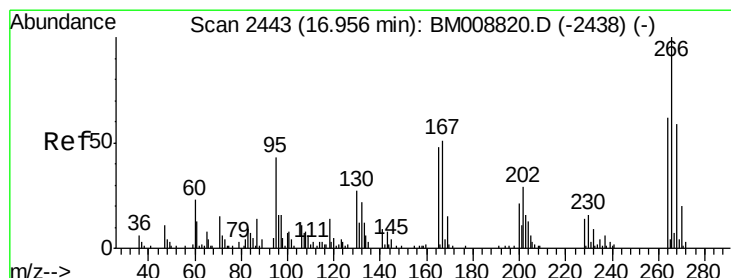
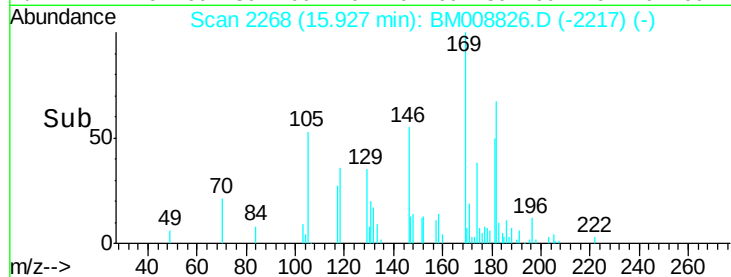
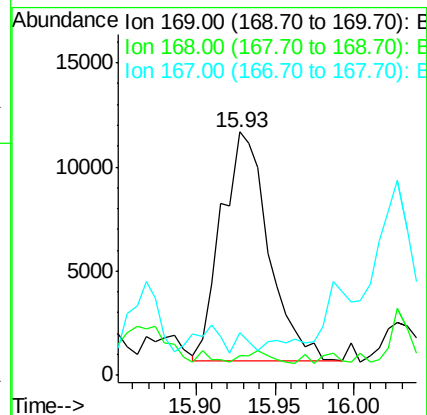
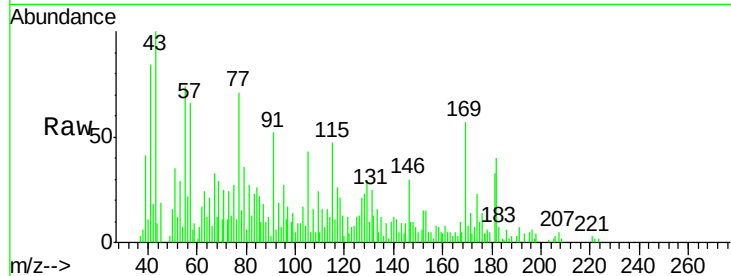
Tgt Ion:169 Resp: 22705

Ion Ratio Lower Upper

169 100

168 8.2 53.1 79.7#

167 17.7 28.6 43.0#



#68

Pentachlorophenol

Concen: 34.13 ng/ul

RT: 16.97 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

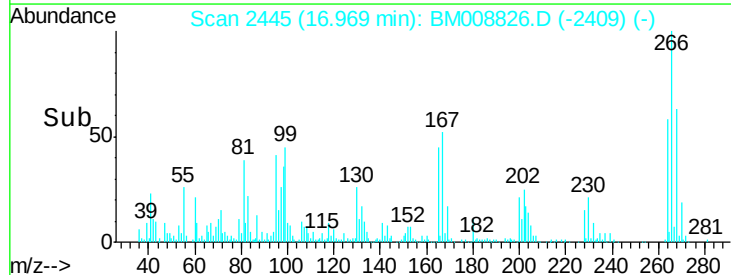
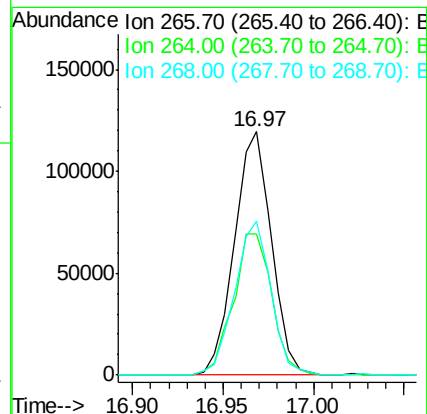
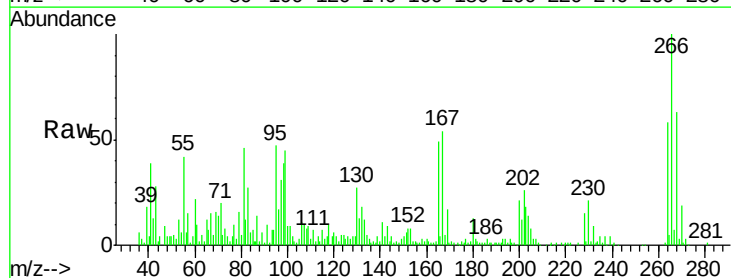
Tgt Ion:266 Resp: 169140

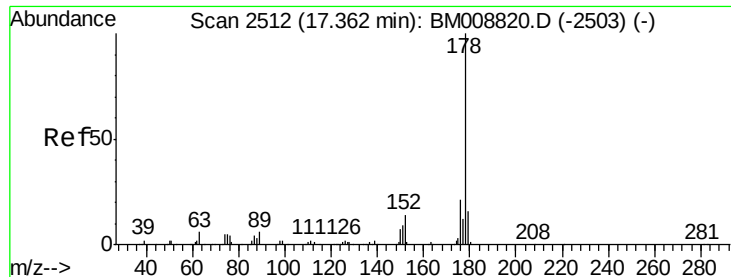
Ion Ratio Lower Upper

266 100

264 57.9 50.6 75.8

268 63.1 49.1 73.7





#69

Phenanthrene

Concen: 29.51 ng/ul

RT: 17.36 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

DA9R6

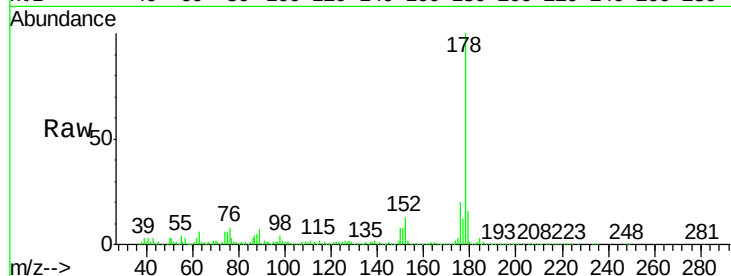
Tgt Ion:178 Resp: 931824

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

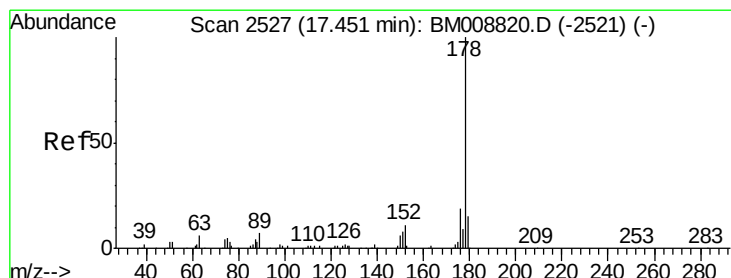
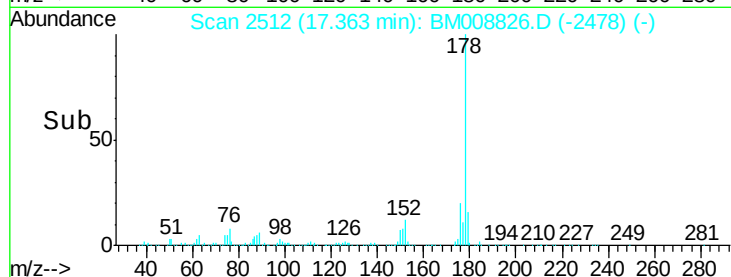
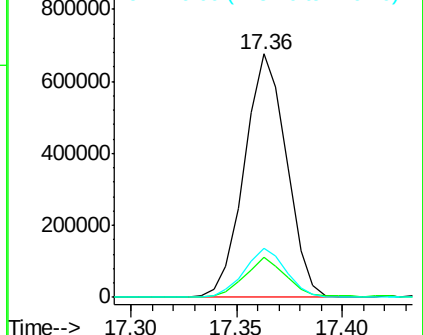
176 20.0 14.7 22.1



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: 28.85 ng/ul

RT: 17.36 min Scan# 2512

Delta R.T. -0.09 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

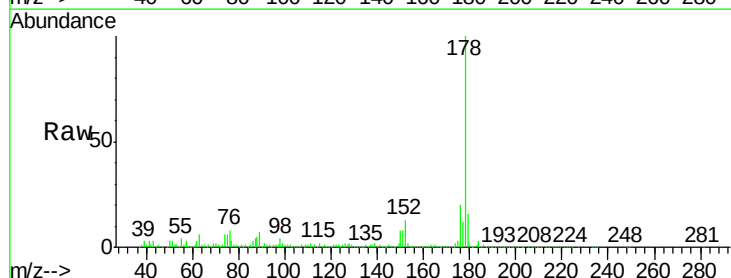
Tgt Ion:178 Resp: 931824

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

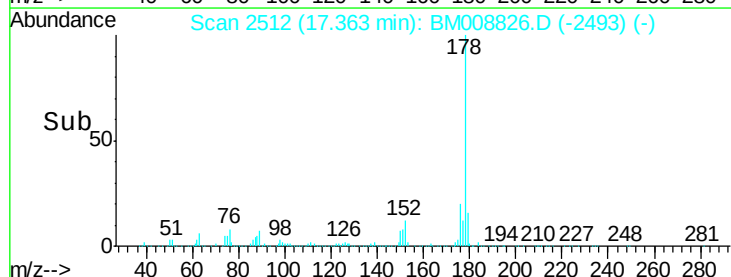
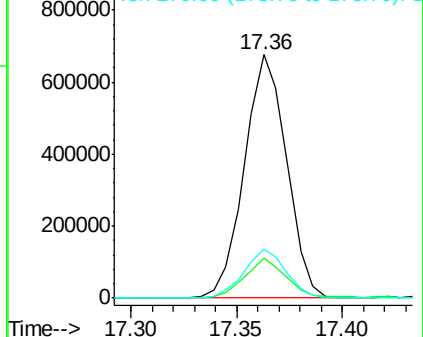
176 20.0 14.6 21.8

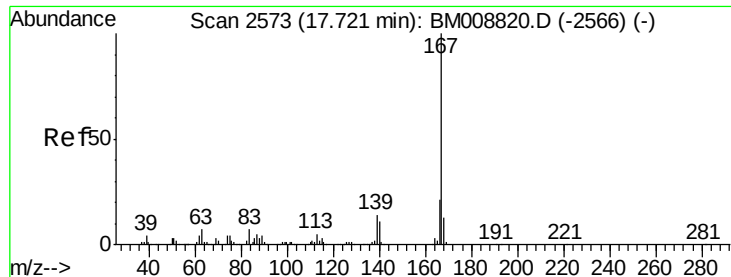


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 38.63 ng/ul

RT: 17.73 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

Instrument :

BNA_M

ClientSampleId :

DA9R6

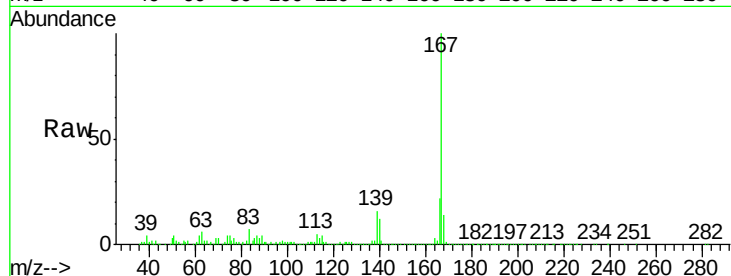
Tgt Ion:167 Resp: 1093946

Ion Ratio Lower Upper

167 100

166 22.2 16.8 25.2

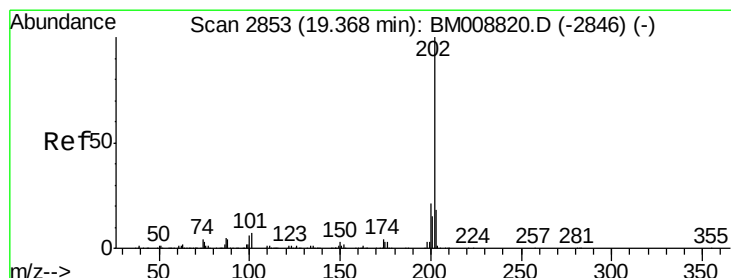
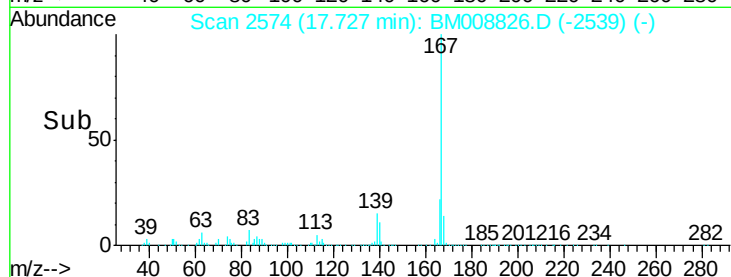
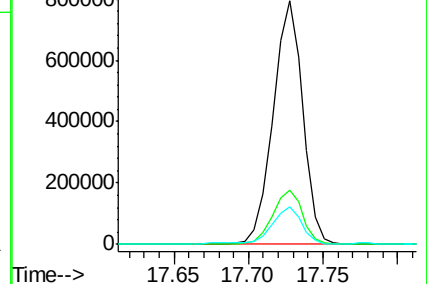
139 15.7 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 1.23 ng/ul

RT: 19.37 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BM008826.D

Acq: 24 Jan 2017 05:55

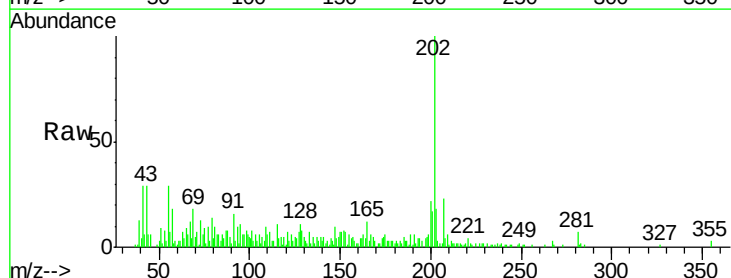
Tgt Ion:202 Resp: 50418

Ion Ratio Lower Upper

202 100

101 7.8 7.1 10.7

100 9.3 5.4 8.0#



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): E

