

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001837.D
 Acq On : 06 Jul 2015 15:26
 Operator : TP/UM
 Sample : G2861-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L9

Quant Time: Jul 07 04:04:02 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 04:02:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	55095	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	215634	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	128313	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	286196	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	347526	20.00	ng/ul	0.00
85) Perylene-d12	23.48	264	347470	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	1598	1.38	ng/uL	0.00
5) Phenol-d5	6.83	99	39083	9.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	22356	9.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	32119	9.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	30019	8.84	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	13423	8.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	14141	8.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	31547	9.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	30756	8.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	89888	9.45	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	109826	8.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	11625	6.62	ng/ul	0.00
57) Fluorene-d10	15.31	176	81545	9.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	8122	4.65	ng/ul	0.00
70) Anthracene-d10	17.16	188	129284	9.70	ng/ul	0.00
78) Pyrene-d10	19.46	212	141118	9.59	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	140864	9.20	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.88	88	10773	8.16	ng/uL#	1
14) Acetophenone	8.49	105	10756	1.99	ng/ul	96
28) Naphthalene	10.50	128	46458	4.27	ng/ul	97
34) 2-Methylnaphthalene	12.12	142	8416	1.07	ng/ul	88
44) Dimethylphthalate	13.77	163	29442	2.83	ng/ul	99
47) Acenaphthylene	14.04	152	94814	7.46	ng/ul	98
49) Acenaphthene	14.38	153	60165	7.08	ng/ul	96
53) Dibenzofuran	14.72	168	14094	1.16	ng/ul	99
58) Fluorene	15.37	166	58892	5.81	ng/ul	98
64) N-Nitrosodiphenylamine	15.58	169	8804	1.05	ng/ul	91
69) Phenanthrene	17.10	178	80670	5.20	ng/ul	97
71) Anthracene	17.19	178	69896	4.39	ng/ul	97
76) Fluoranthene	19.13	202	653923	35.23	ng/ul	99
79) Pyrene	19.49	202	848276	44.00	ng/ul	98
82) Benzo(a)anthracene	21.29	228	349682	17.22	ng/ul	93
84) Chrysene	21.29	228	352853	18.33	ng/ul	97
87) Benzo(b)fluoranthene	22.81	252	473725	23.42	ng/ul	99
88) Benzo(k)fluoranthene	22.81	252	221676	11.34	ng/ul	97
90) Benzo(a)pyrene	23.39	252	452234	22.98	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.72	276	285868	12.25	ng/ul	97
92) Dibenzo(a,h)anthracene	25.72	278	69689	3.54	ng/ul#	87
93) Benzo(g,h,i)perylene	26.41	276	273666	13.95	ng/ul	99

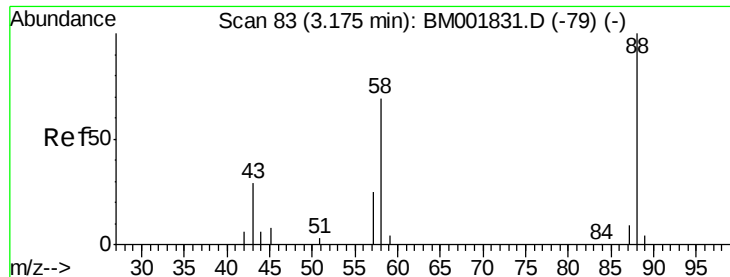
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
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Response via : Initial Calibration

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



#2

1,4-Dioxane

Concen: 8.16 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampleId :

G93L9

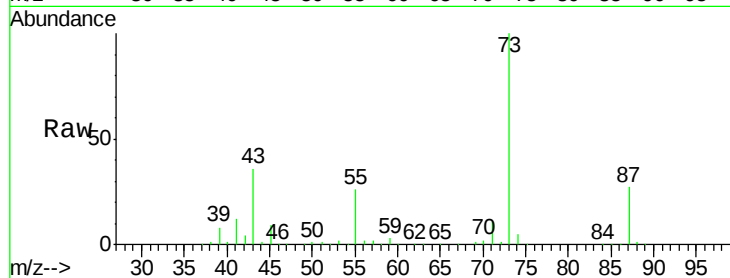
Tgt Ion: 88 Resp: 10773

Ion Ratio Lower Upper

88 100

43 2379.6 24.2 36.4#

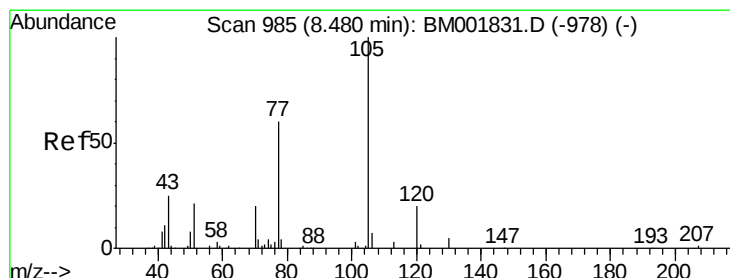
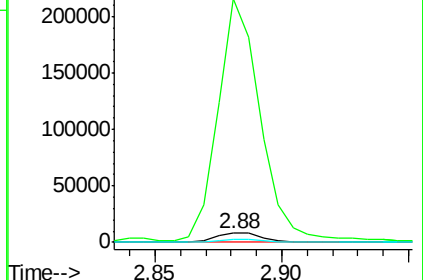
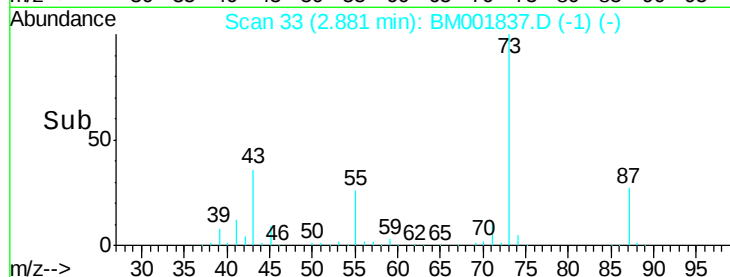
58 29.2 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001837.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM001837.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM001837.D (-1) (-)



#14

Acetophenone

Concen: 1.99 ng/uL

RT: 8.49 min Scan# 986

Delta R.T. 0.01 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

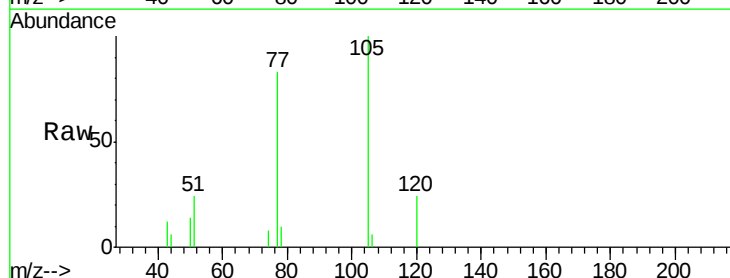
Tgt Ion: 105 Resp: 10756

Ion Ratio Lower Upper

105 100

77 83.4 64.2 96.4

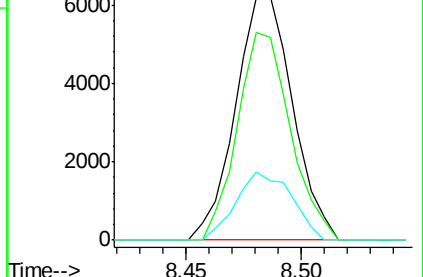
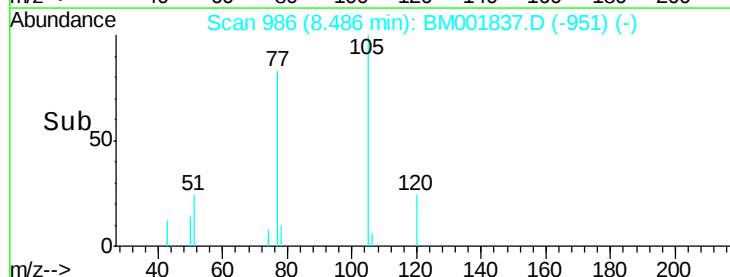
51 24.4 22.0 33.0

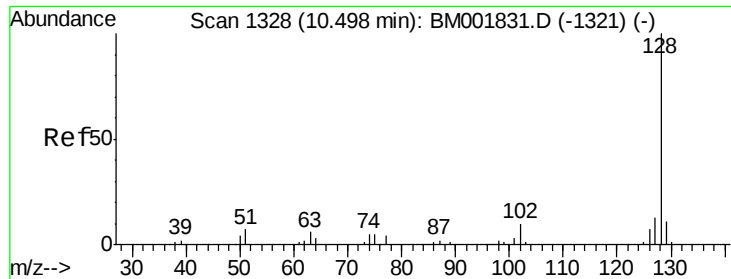


Abundance Ion 105.00 (104.70 to 105.70): BM001837.D (-951) (-)

Ion 77.00 (76.70 to 77.70): BM001837.D (-951) (-)

Ion 51.00 (50.70 to 51.70): BM001837.D (-951) (-)

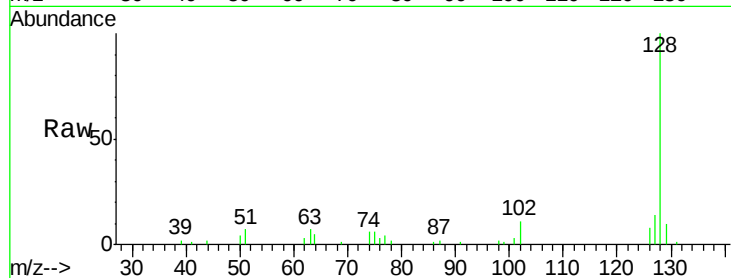




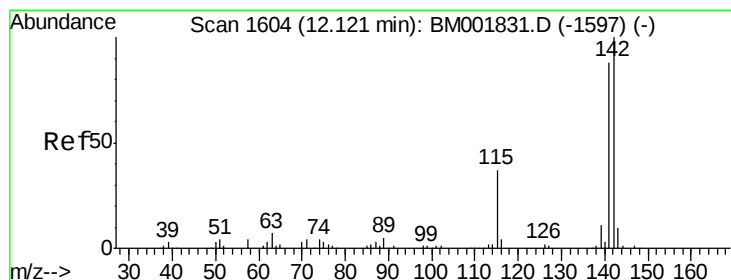
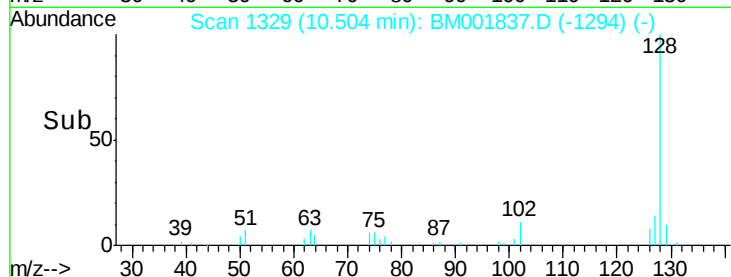
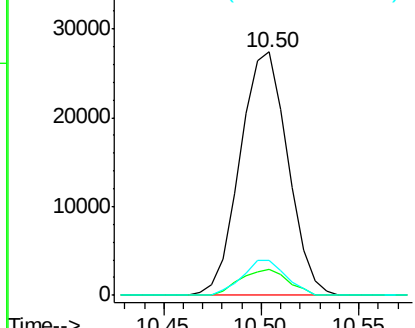
#28
Naphthalene
Concen: 4.27 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BM001837.D
Acq: 06 Jul 2015 15:26

Instrument :
BNA_M
ClientSampleId :
G93L9

Tgt Ion:128 Resp: 46458
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 14.5 10.0 15.0

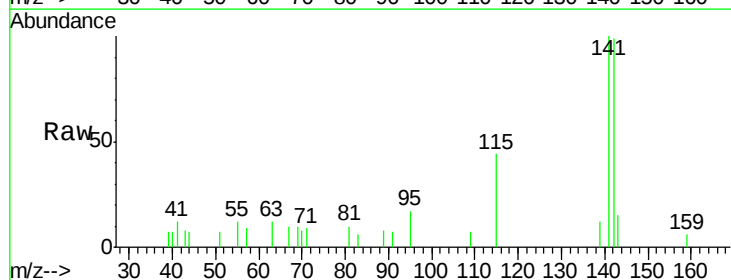


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

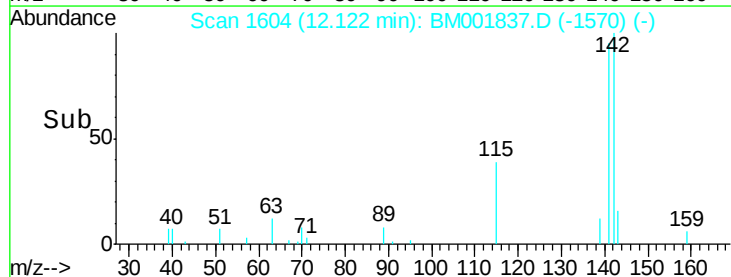
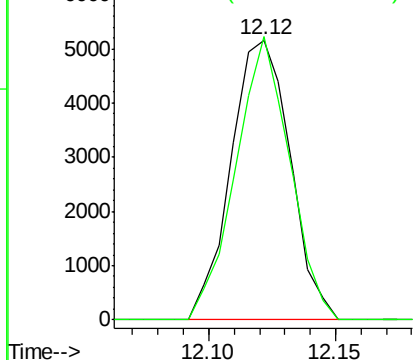


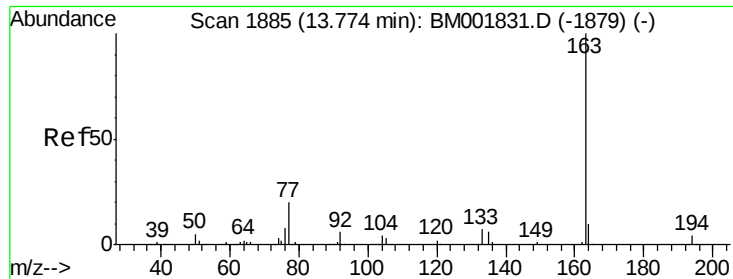
#34
2-Methylnaphthalene
Concen: 1.07 ng/ul
RT: 12.12 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BM001837.D
Acq: 06 Jul 2015 15:26

Tgt Ion:142 Resp: 8416
Ion Ratio Lower Upper
142 100
141 101.2 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: 2.83 ng/ul

RT: 13.77 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

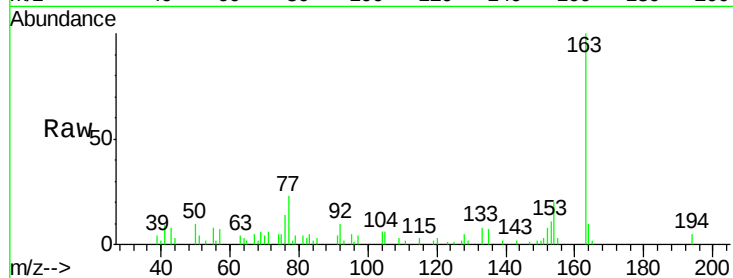
Instrument :

BNA_M

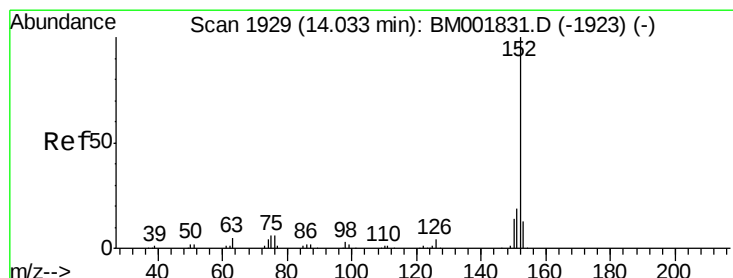
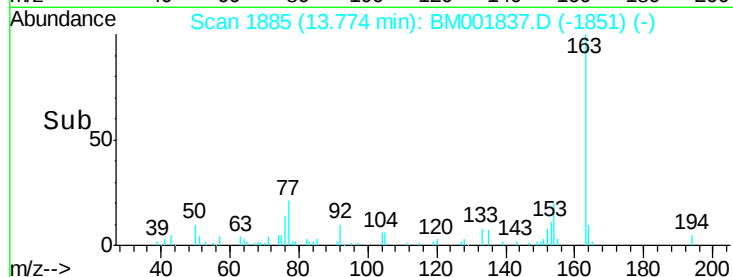
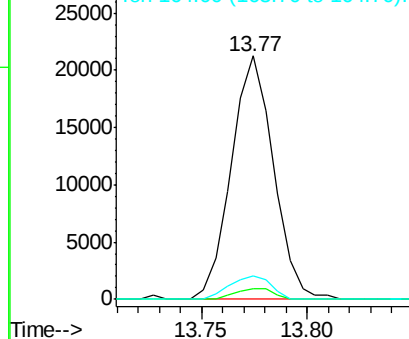
ClientSampleId :

G93L9

Tgt Ion:	163	Resp:	29442
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.6	5.4
164	9.7	8.0	12.0



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



#47

Acenaphthylene

Concen: 7.46 ng/ul

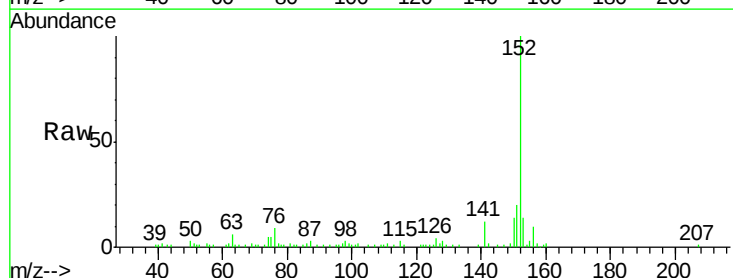
RT: 14.04 min Scan# 1930

Delta R.T. 0.01 min

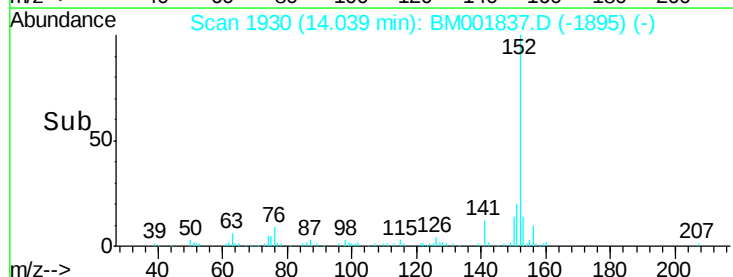
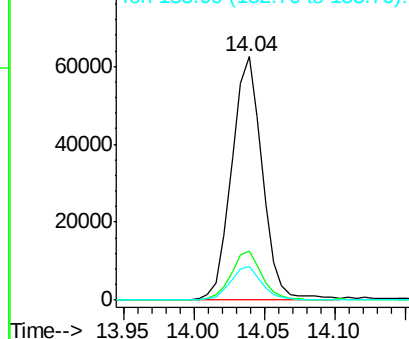
Lab File: BM001837.D

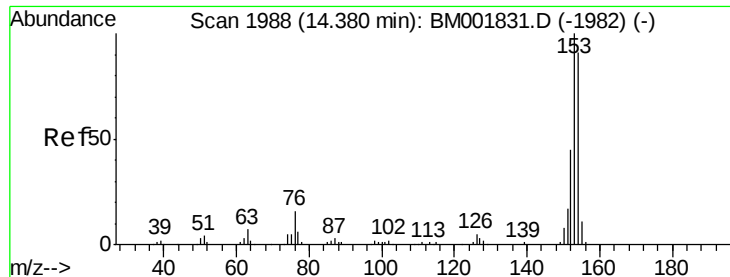
Acq: 06 Jul 2015 15:26

Tgt Ion:	152	Resp:	94814
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.9	23.9
153	14.1	10.0	15.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 7.08 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampled :

G93L9

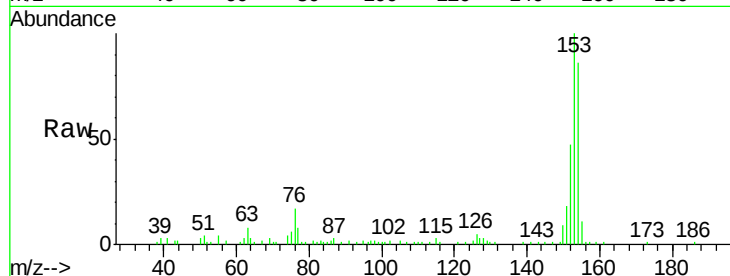
Tgt Ion:153 Resp: 60165

Ion Ratio Lower Upper

153 100

152 47.4 36.6 55.0

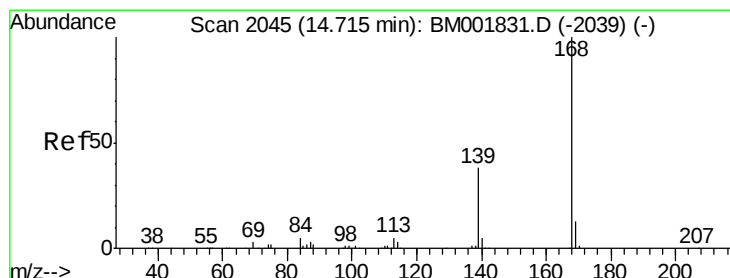
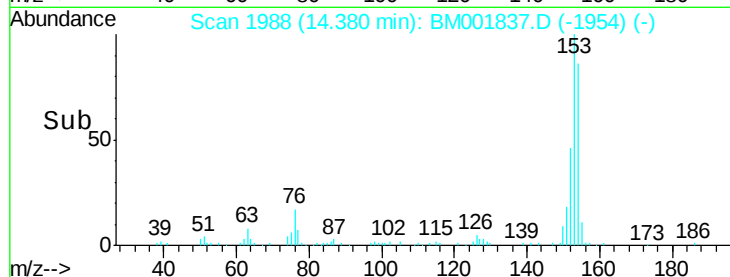
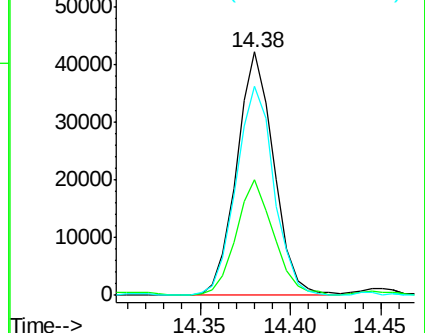
154 85.8 72.6 108.8



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

Dibenzofuran

Concen: 1.16 ng/ul

RT: 14.72 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001837.D

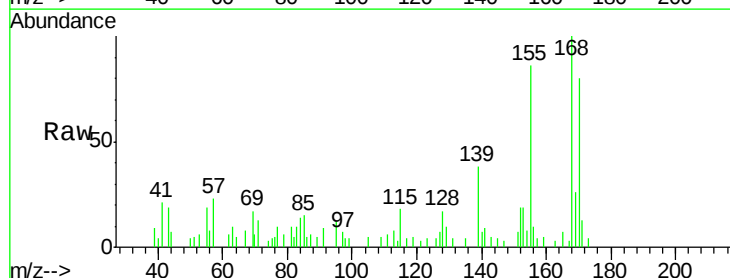
Acq: 06 Jul 2015 15:26

Tgt Ion:168 Resp: 14094

Ion Ratio Lower Upper

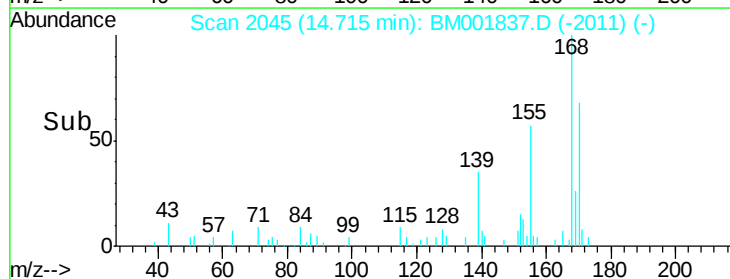
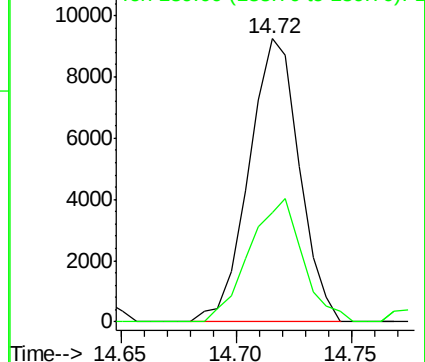
168 100

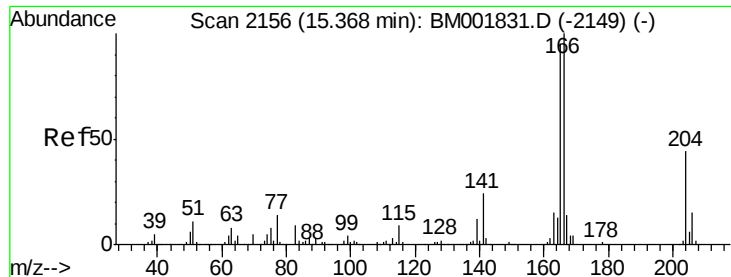
139 38.4 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.81 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampled :

G93L9

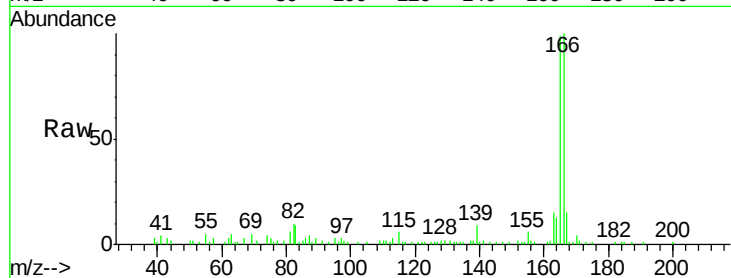
Tgt Ion:166 Resp: 58892

Ion Ratio Lower Upper

166 100

165 98.7 77.4 116.2

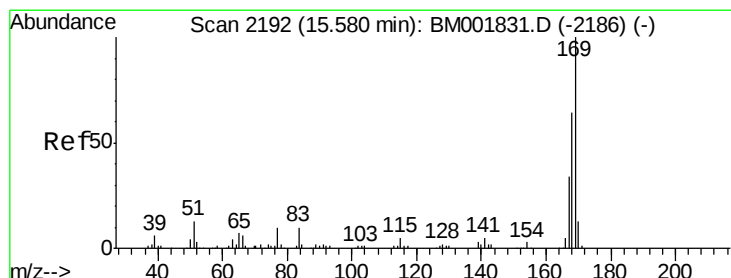
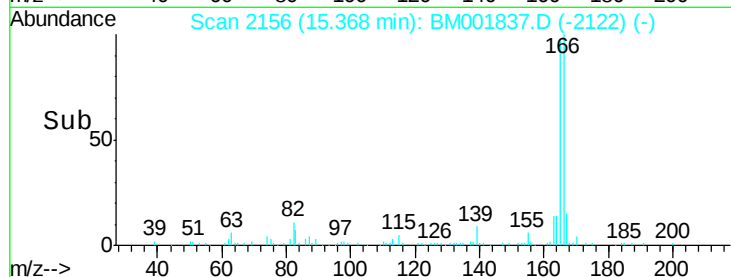
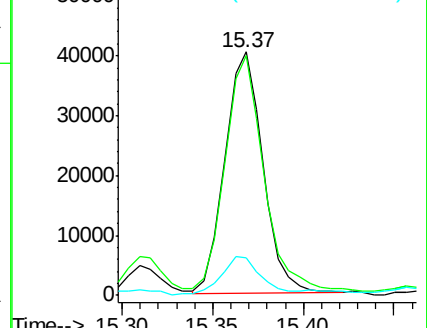
167 15.4 11.3 16.9



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: 1.05 ng/ul

RT: 15.58 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

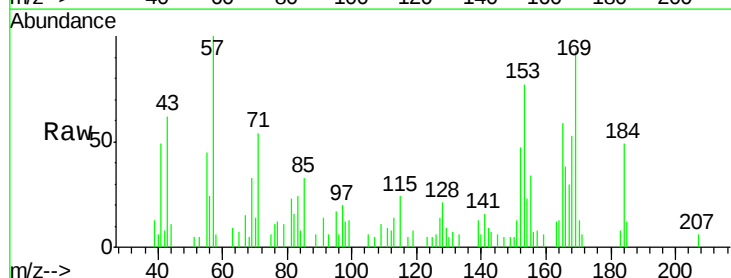
Tgt Ion:169 Resp: 8804

Ion Ratio Lower Upper

169 100

168 56.4 52.9 79.3

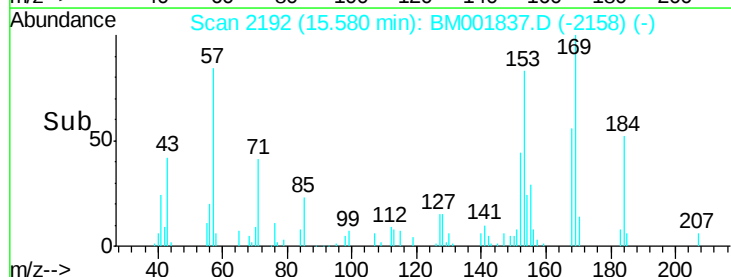
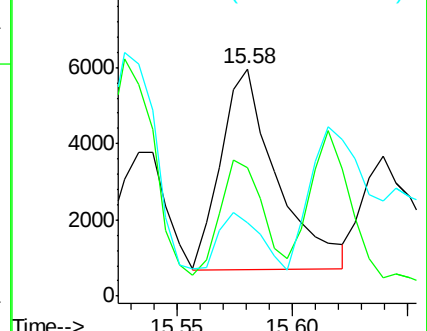
167 32.1 27.5 41.3

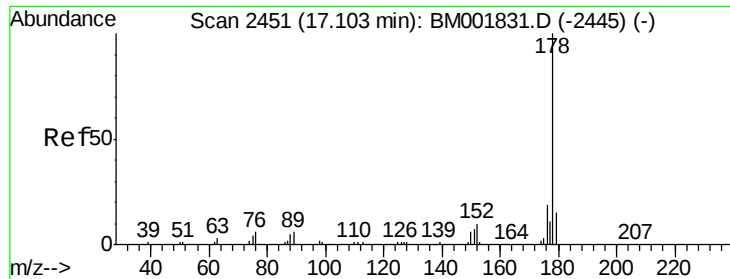


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 5.20 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampleId :

G93L9

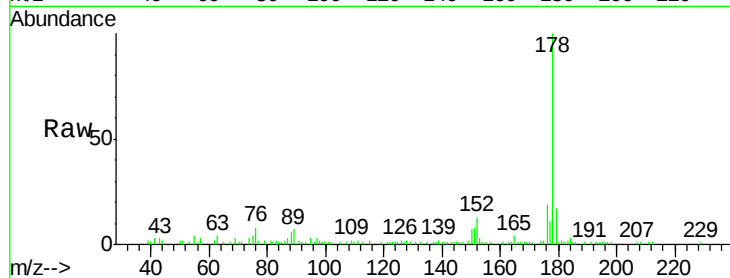
Tgt Ion:178 Resp: 80670

Ion Ratio Lower Upper

178 100

179 17.4 11.9 17.9

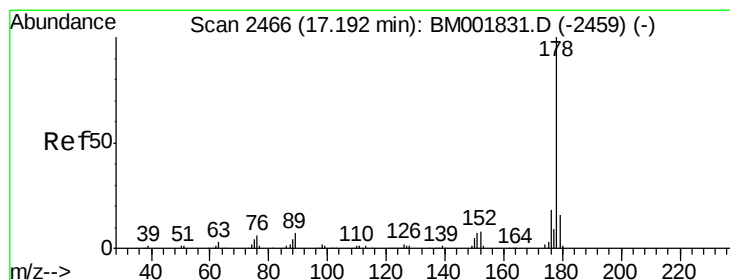
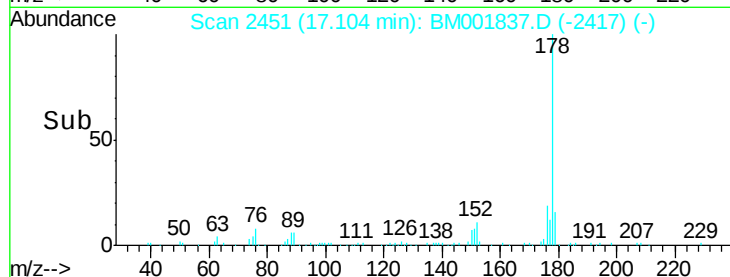
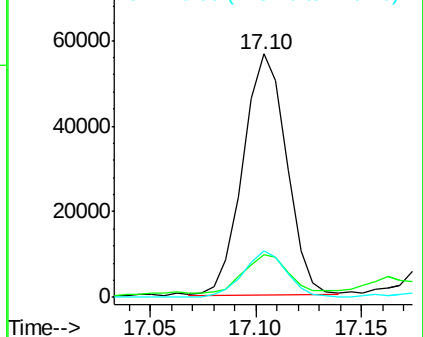
176 18.9 15.2 22.8



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



#71

Anthracene

Concen: 4.39 ng/ul

RT: 17.19 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

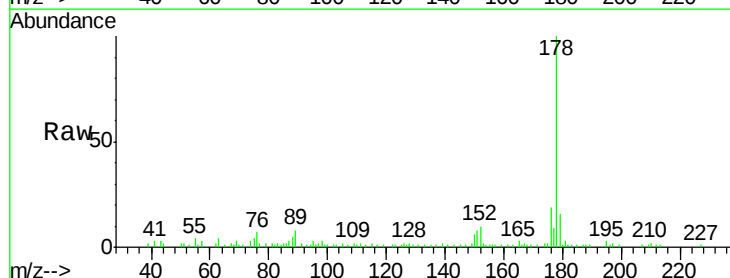
Tgt Ion:178 Resp: 69896

Ion Ratio Lower Upper

178 100

179 16.4 11.8 17.8

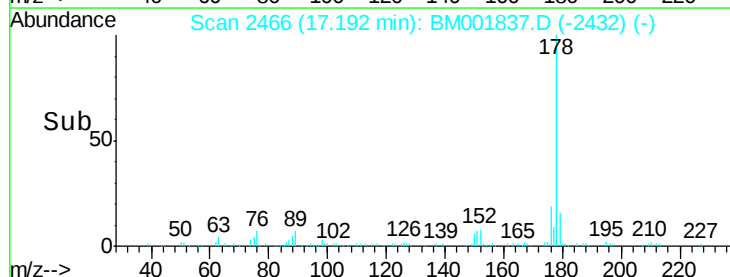
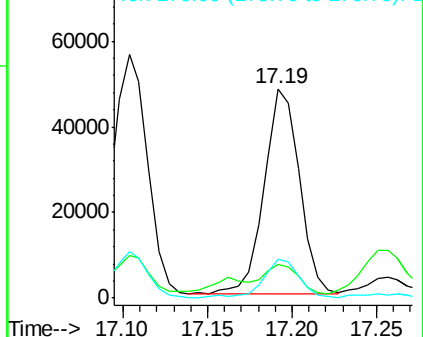
176 18.8 14.4 21.6

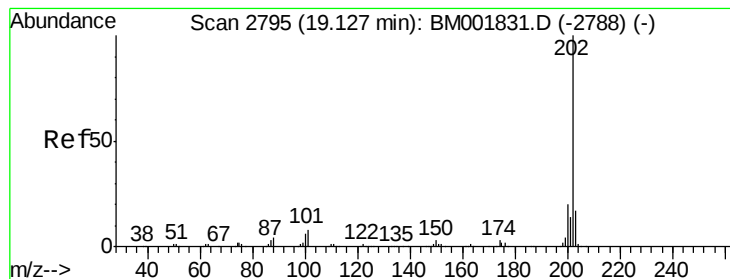


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 35.23 ng/u1

RT: 19.13 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampleId :

G93L9

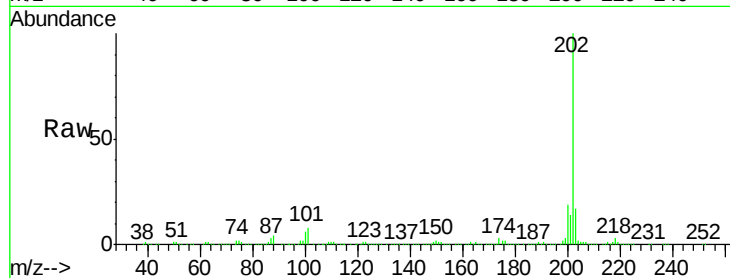
Tgt Ion:202 Resp: 653923

Ion Ratio Lower Upper

202 100

101 7.9 6.1 9.1

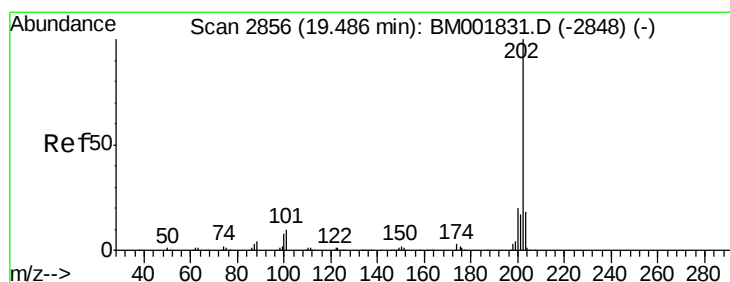
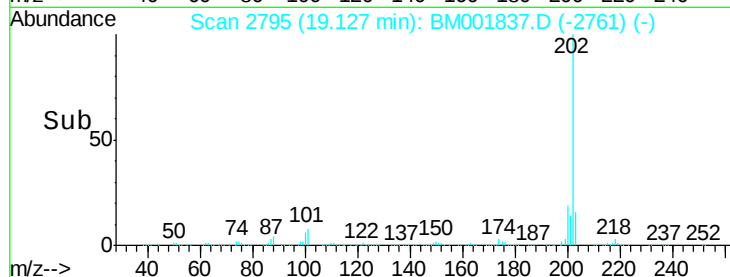
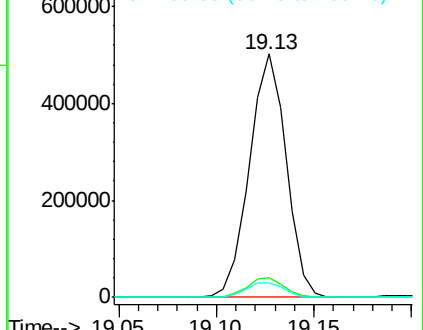
100 6.1 4.8 7.2



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



#79

Pyrene

Concen: 44.00 ng/u1

RT: 19.49 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

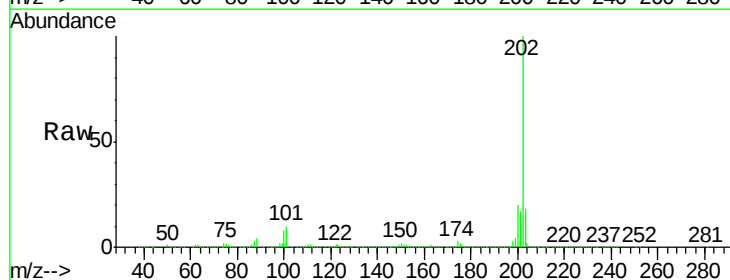
Tgt Ion:202 Resp: 848276

Ion Ratio Lower Upper

202 100

101 9.8 6.9 10.3

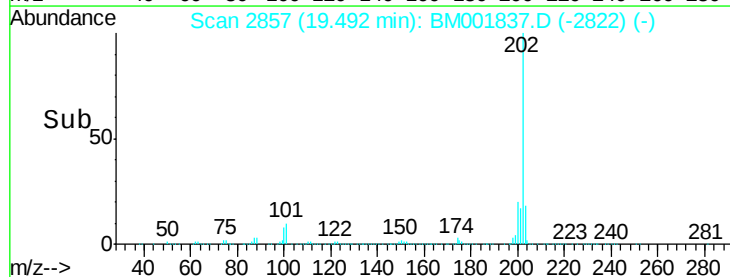
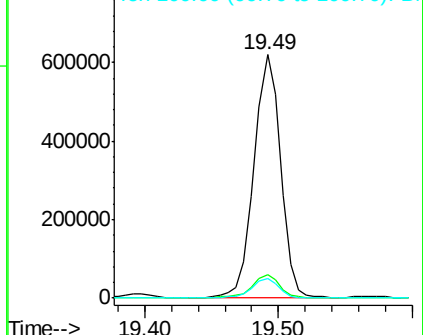
100 8.0 6.2 9.2

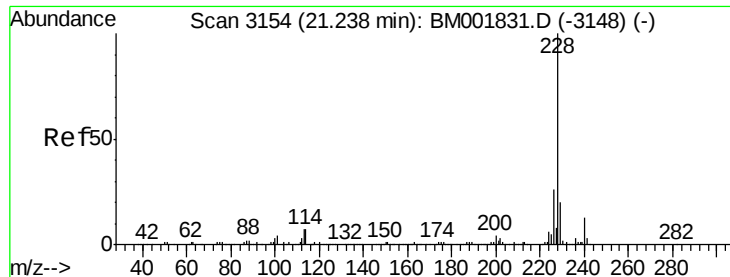


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 17.22 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. 0.05 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampleId :

G93L9

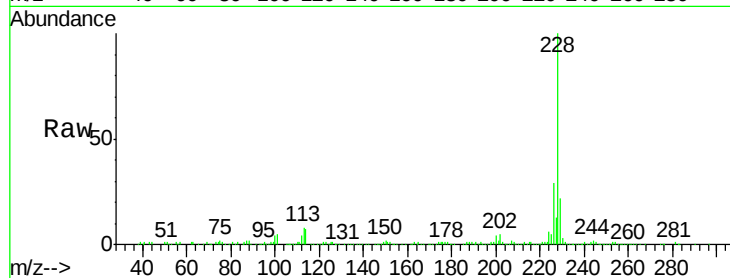
Tgt Ion:228 Resp: 349682

Ion Ratio Lower Upper

228 100

229 22.3 15.4 23.0

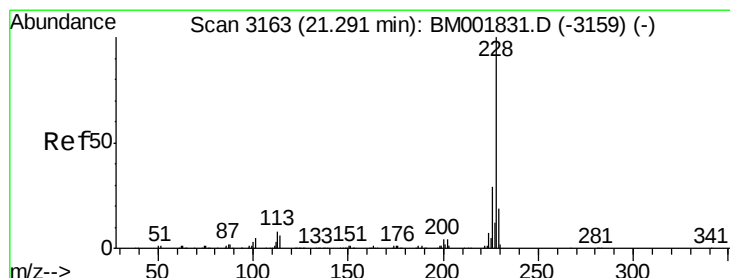
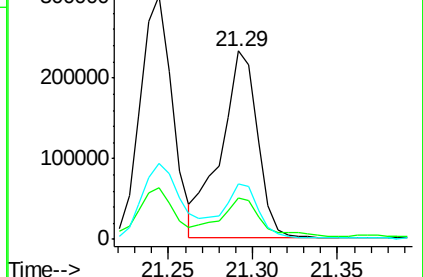
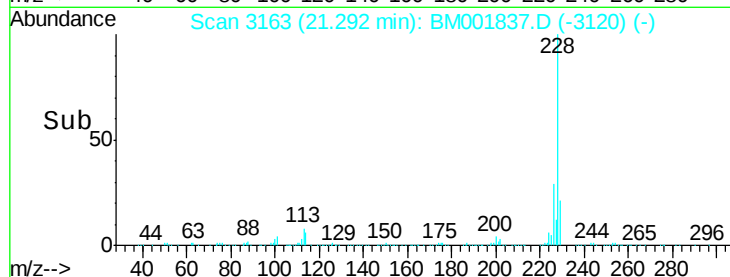
226 29.4 20.6 30.8



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: 18.33 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

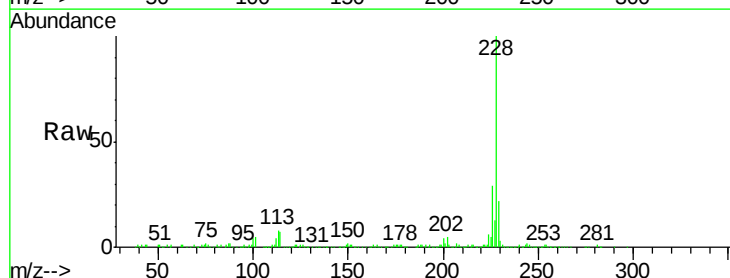
Tgt Ion:228 Resp: 352853

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

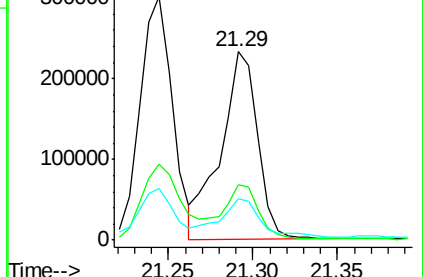
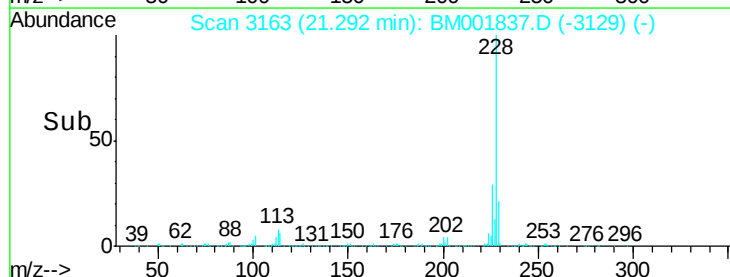
229 22.3 15.4 23.2

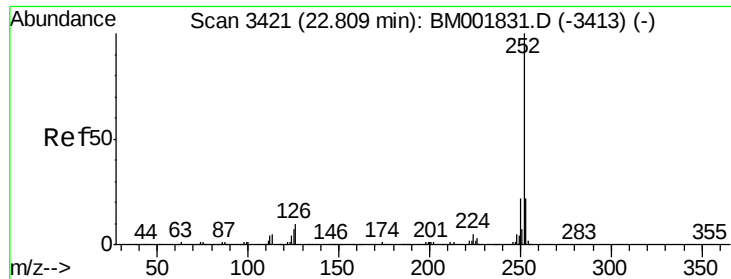


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

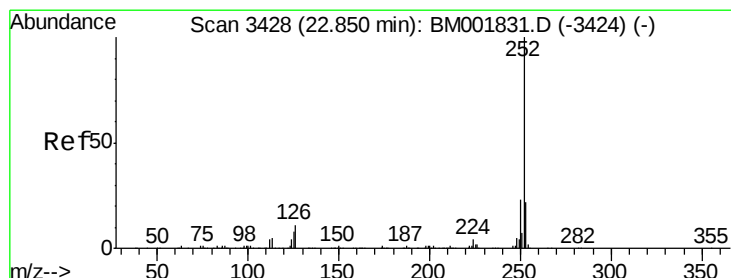
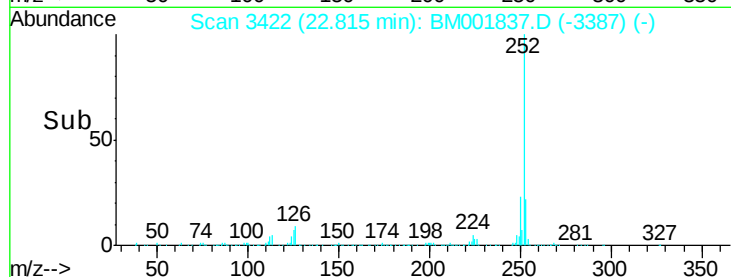
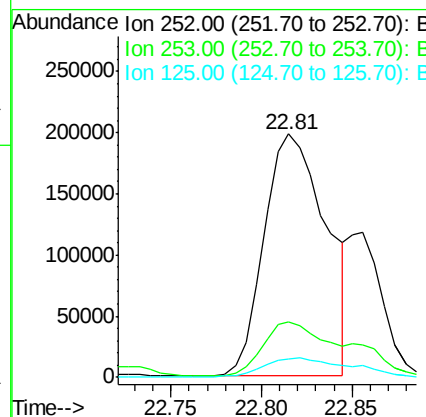
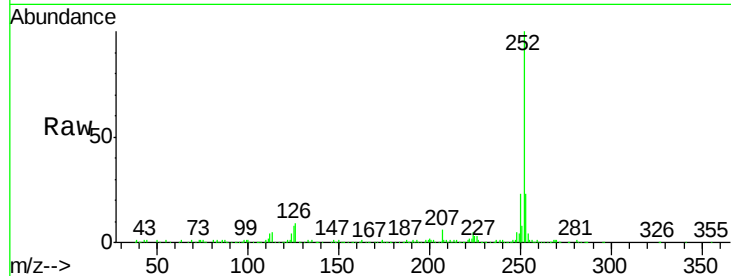




#87
Benzo(b)fluoranthene
Concen: 23.42 ng/ul
RT: 22.81 min Scan# 3422
Delta R.T. 0.01 min
Lab File: BM001837.D
Acq: 06 Jul 2015 15:26

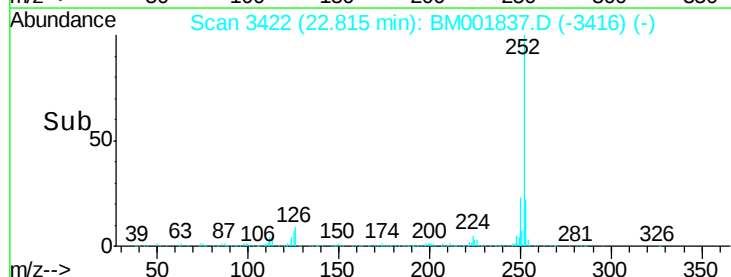
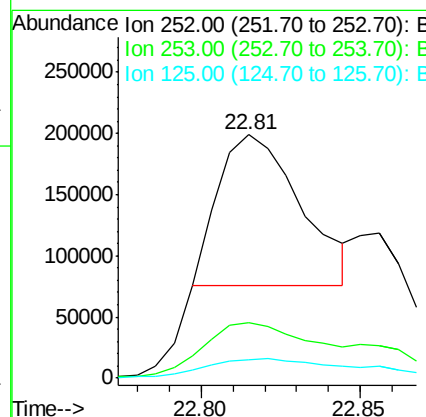
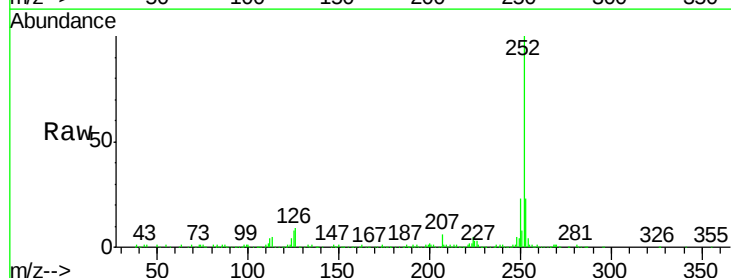
Instrument :
BNA_M
ClientSampleId :
G93L9

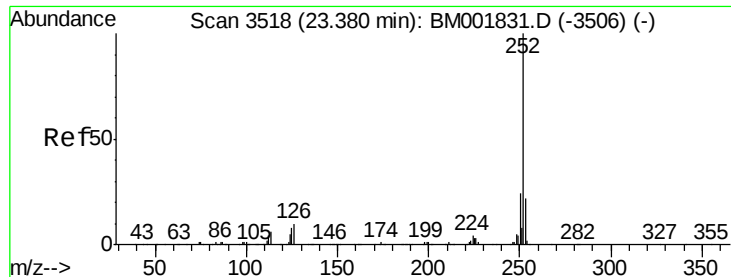
Tgt Ion:252 Resp: 473725
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 7.5 5.3 7.9



#88
Benzo(k)fluoranthene
Concen: 11.34 ng/ul
RT: 22.81 min Scan# 3422
Delta R.T. -0.04 min
Lab File: BM001837.D
Acq: 06 Jul 2015 15:26

Tgt Ion:252 Resp: 221676
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 7.5 5.3 7.9





#90

Benzo(a)pyrene

Concen: 22.98 ng/ul

RT: 23.39 min Scan# 3519

Delta R.T. 0.01 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Instrument :

BNA_M

ClientSampleId :

G93L9

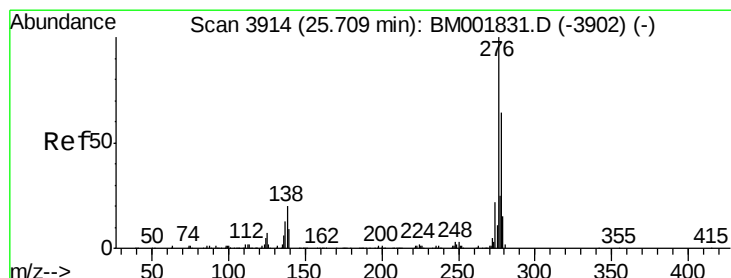
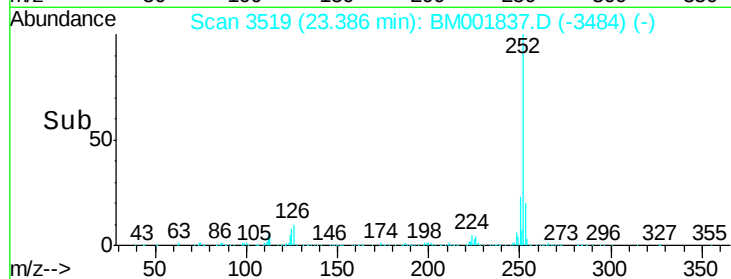
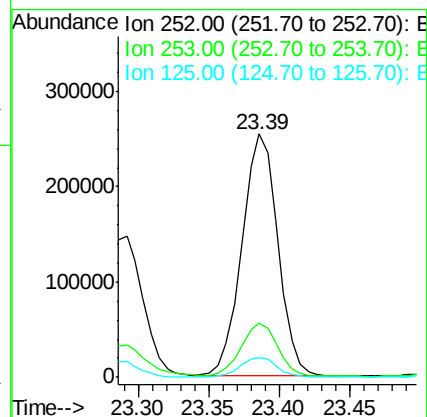
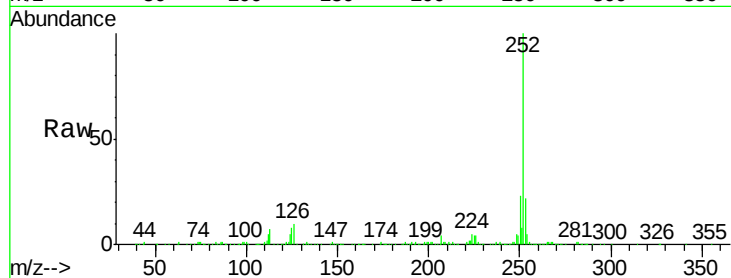
Tgt Ion:252 Resp: 452234

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 8.3 6.0 9.0



#91

Indeno(1,2,3-cd)pyrene

Concen: 12.25 ng/ul

RT: 25.72 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM001837.D

Acq: 06 Jul 2015 15:26

Tgt Ion:276 Resp: 285868

Ion Ratio Lower Upper

276 100

138 15.2 14.7 22.1

277 24.7 19.7 29.5

