

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001839.D
 Acq On : 06 Jul 2015 16:40
 Operator : TP/UM
 Sample : G2861-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L2

Quant Time: Jul 07 04:04:24 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	56744	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	215753	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	126579	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	280601	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	343958	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	355028	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2870	2.41	ng/uL	0.00
5) Phenol-d5	6.83	99	54390	12.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	33223	13.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	44885	13.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	38042	10.87	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	21427	14.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	22209	13.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	43935	12.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	43451	12.22	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	120802	12.87	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	160534	13.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	14522	8.39	ng/ul	0.00
57) Fluorene-d10	15.31	176	117307	13.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	10993	6.41	ng/ul	0.00
70) Anthracene-d10	17.16	188	175039	13.39	ng/ul	0.00
78) Pyrene-d10	19.46	212	201543	13.83	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	208152	13.30	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	11258	8.28	ng/uL#	1
14) Acetophenone	8.49	105	9575	1.72	ng/ul#	80
17) Hexachloroethane	8.76	117	7734	5.40	ng/ul#	1
20) Nitrobenzene	8.85	77	6094	1.51	ng/ul#	20
21) Isophorone	9.37	82	12144	1.80	ng/ul#	1
28) Naphthalene	10.50	128	93738	8.60	ng/ul#	94
34) 2-Methylnaphthalene	12.12	142	31939	4.05	ng/ul	98
44) Dimethylphthalate	13.77	163	20156	1.96	ng/ul#	92
49) Acenaphthene	14.38	153	20030	2.39	ng/ul	93
53) Dibenzofuran	14.72	168	21267	1.77	ng/ul#	64
58) Fluorene	15.37	166	30789	3.08	ng/ul#	95
64) N-Nitrosodiphenylamine	15.58	169	24519	2.99	ng/ul#	51
69) Phenanthrene	17.10	178	77616	5.10	ng/ul	97
71) Anthracene	17.10	178	77648	4.97	ng/ul	95
76) Fluoranthene	19.12	202	31363	1.72	ng/ul	98
79) Pyrene	19.49	202	44826	2.35	ng/ul	99
82) Benzo(a)anthracene	21.24	228	25278	1.26	ng/ul#	86
84) Chrysene	21.29	228	28455	1.49	ng/ul#	93
87) Benzo(b)fluoranthene	22.81	252	60185	2.91	ng/ul#	96
88) Benzo(k)fluoranthene	22.81	252	23585	1.18	ng/ul#	97
90) Benzo(a)pyrene	23.37	252	55132	2.74	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.71	276	67641	2.84	ng/ul#	92
93) Benzo(g,h,i)perylene	26.40	276	68115	3.40	ng/ul	96

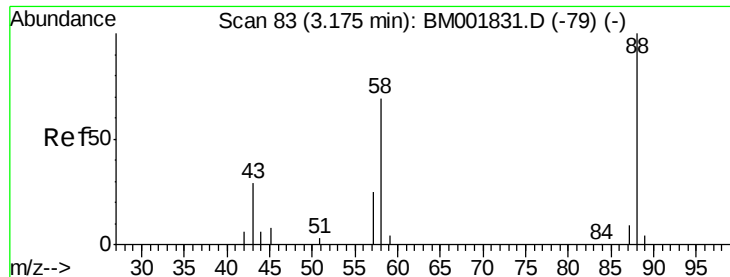
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001839.D
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration

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



#2

1,4-Dioxane

Concen: 8.28 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

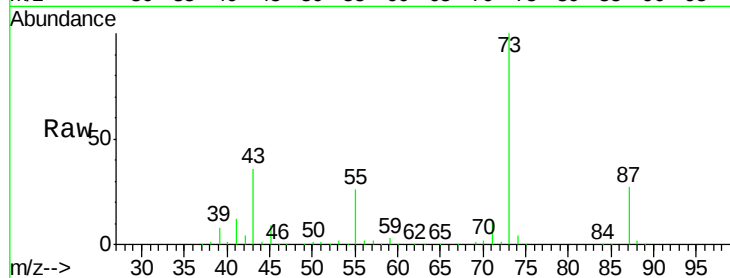
Tgt Ion: 88 Resp: 11258

Ion Ratio Lower Upper

88 100

43 2493.7 24.2 36.4#

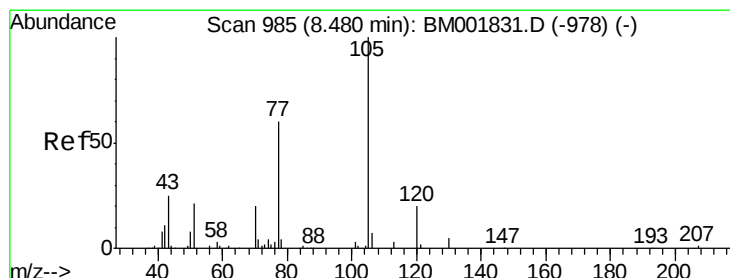
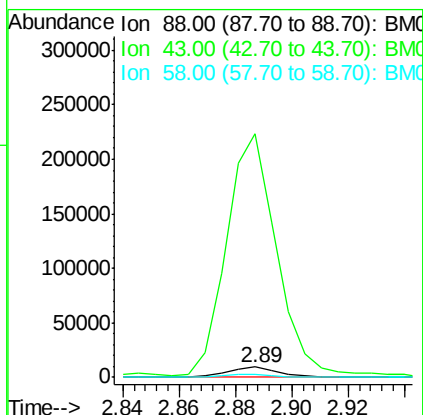
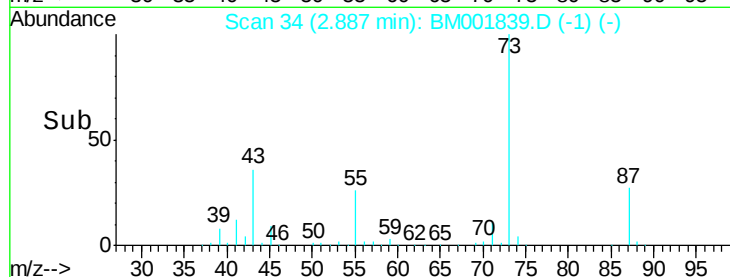
58 29.2 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001839.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM001839.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM001839.D (-1) (-)



#14

Acetophenone

Concen: 1.72 ng/uL

RT: 8.49 min Scan# 986

Delta R.T. 0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

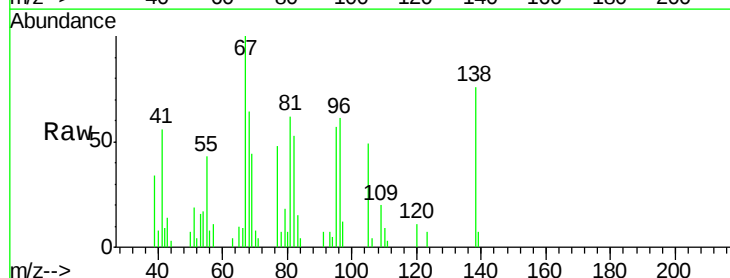
Tgt Ion: 105 Resp: 9575

Ion Ratio Lower Upper

105 100

77 98.0 64.2 96.4#

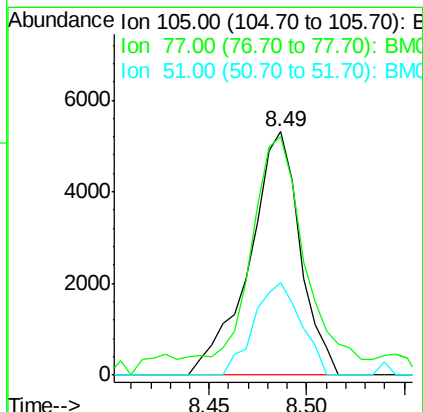
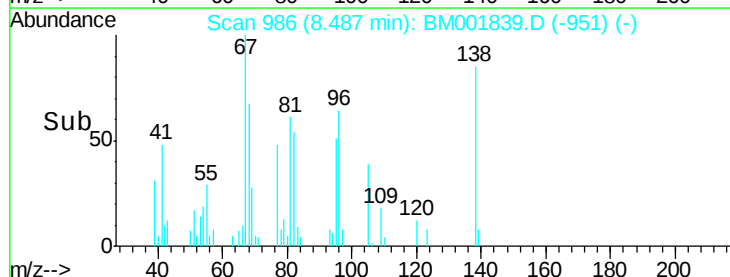
51 38.1 22.0 33.0#

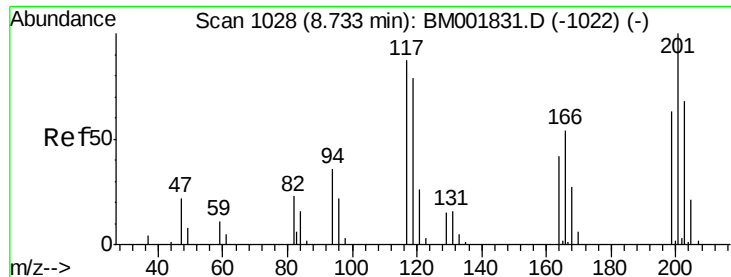


Abundance Ion 105.00 (104.70 to 105.70): BM001839.D (-951) (-)

Ion 77.00 (76.70 to 77.70): BM001839.D (-951) (-)

Ion 51.00 (50.70 to 51.70): BM001839.D (-951) (-)

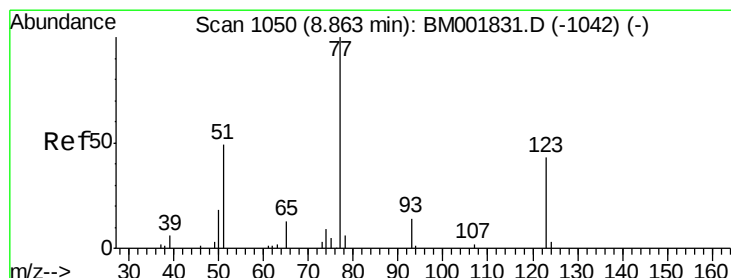
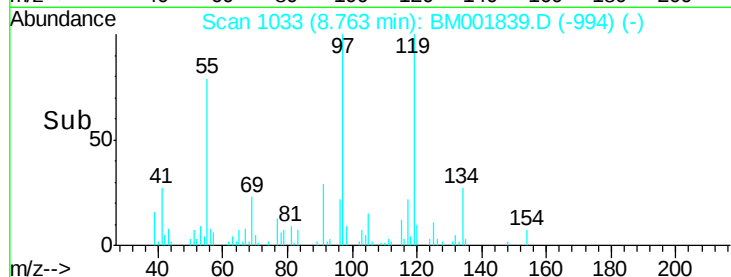
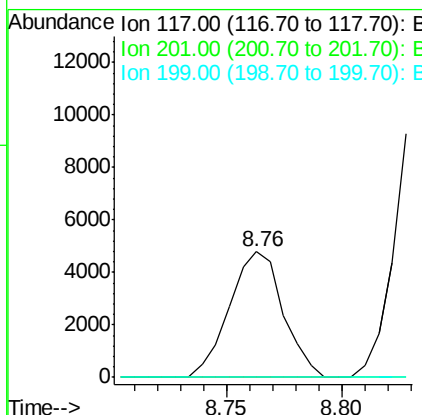
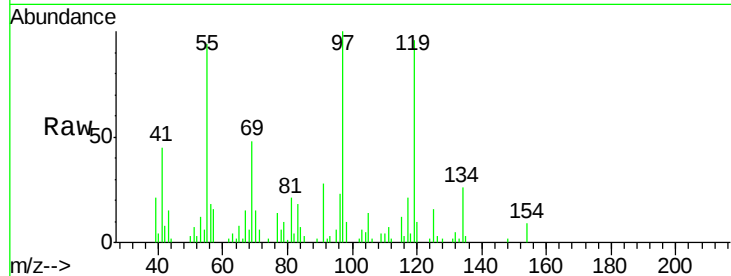




#17
Hexachloroethane
Concen: 5.40 ng/ul
RT: 8.76 min Scan# 1033
Delta R.T. 0.03 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

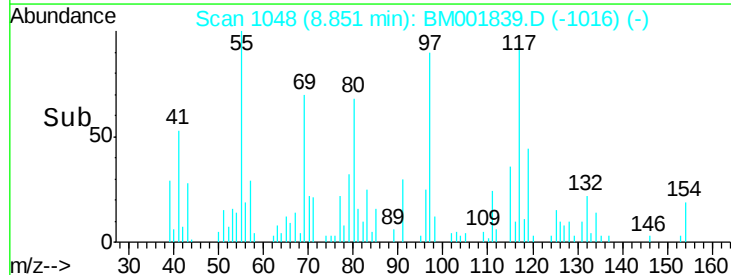
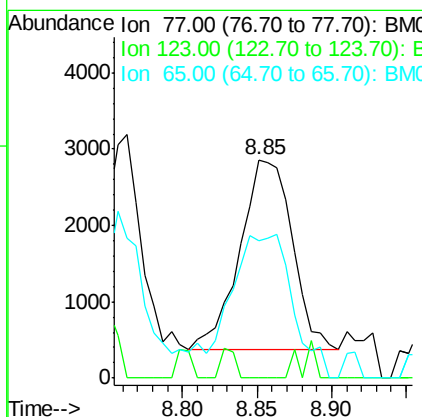
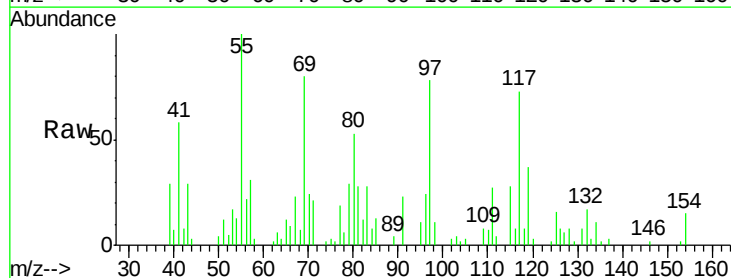
Instrument :
BNA_M
ClientSampleId :
G93L2

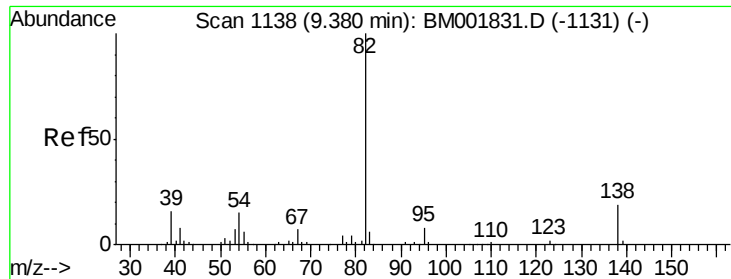
Tgt Ion: 117 Resp: 7734
Ion Ratio Lower Upper
117 100
201 0.0 92.1 138.1#
199 0.0 60.6 90.8#



#20
Nitrobenzene
Concen: 1.51 ng/ul
RT: 8.85 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

Tgt Ion: 77 Resp: 6094
Ion Ratio Lower Upper
77 100
123 0.0 34.0 51.0#
65 62.7 11.3 16.9#





#21

Isophorone

Concen: 1.80 ng/ul

RT: 9.37 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

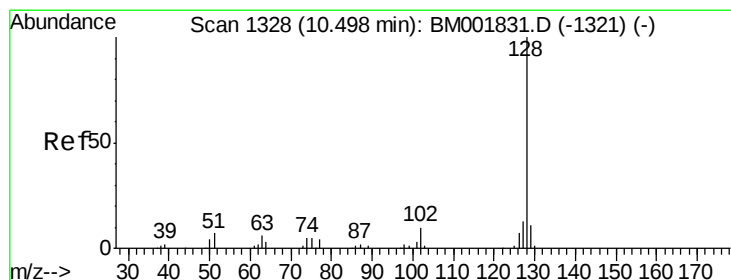
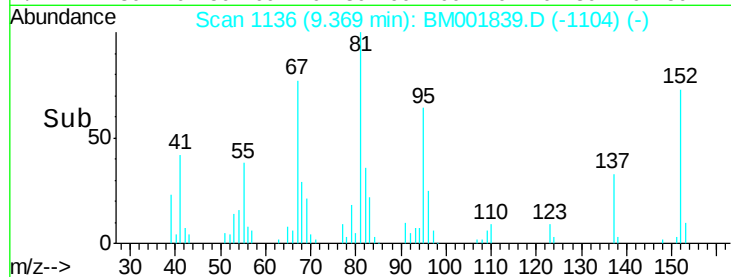
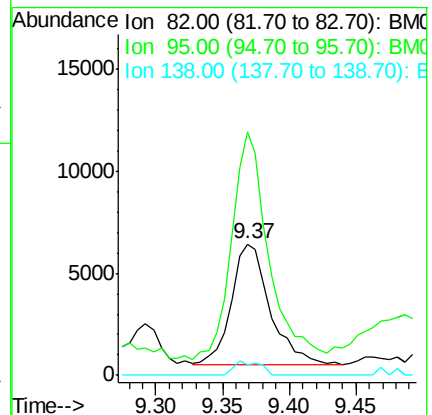
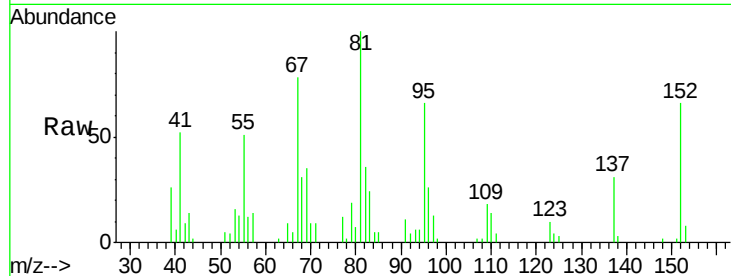
Tgt Ion: 82 Resp: 12144

Ion Ratio Lower Upper

82 100

95 185.1 6.3 9.5#

138 8.1 14.9 22.3#



#28

Naphthalene

Concen: 8.60 ng/ul

RT: 10.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

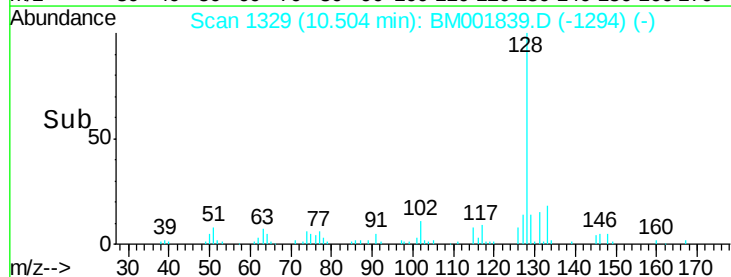
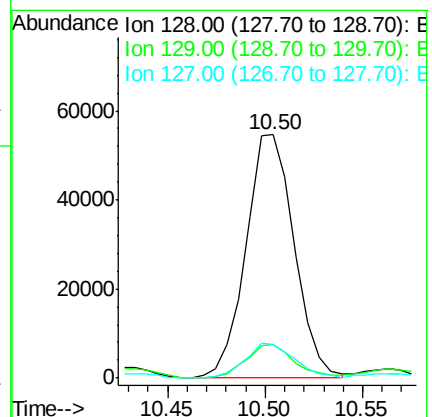
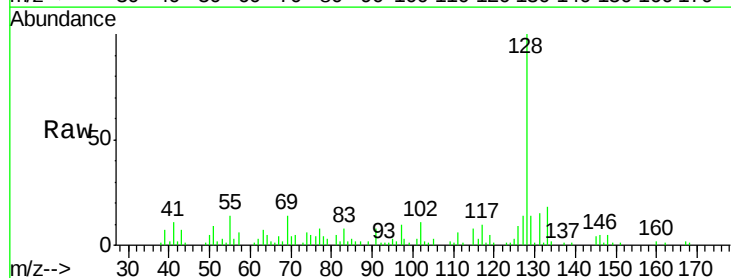
Tgt Ion: 128 Resp: 93738

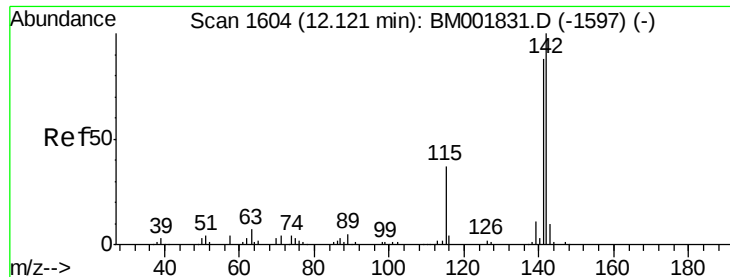
Ion Ratio Lower Upper

128 100

129 14.0 8.7 13.1#

127 13.8 10.0 15.0

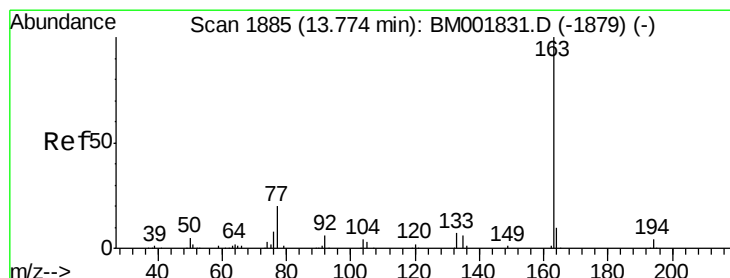
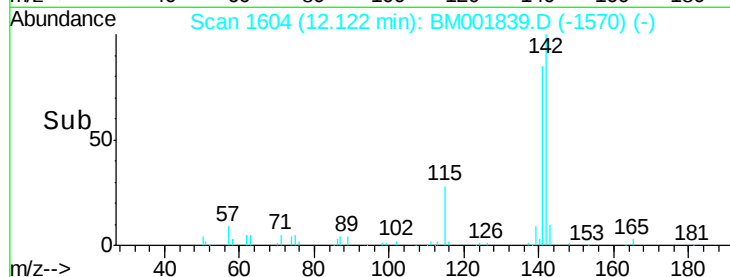
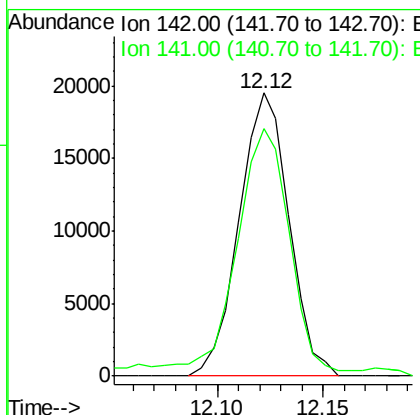
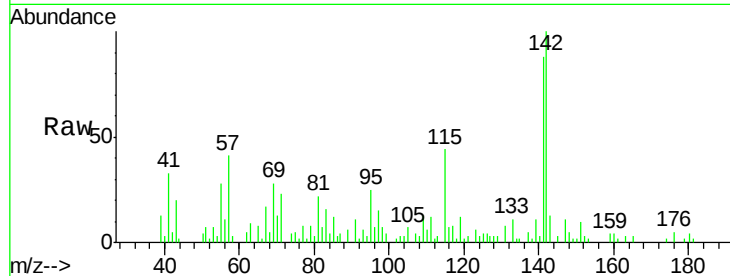




#34
2-Methylnaphthalene
Concen: 4.05 ng/ul
RT: 12.12 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

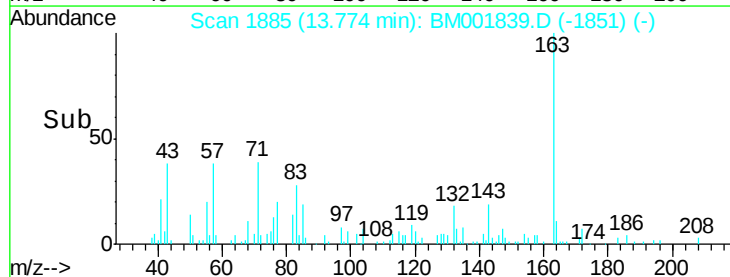
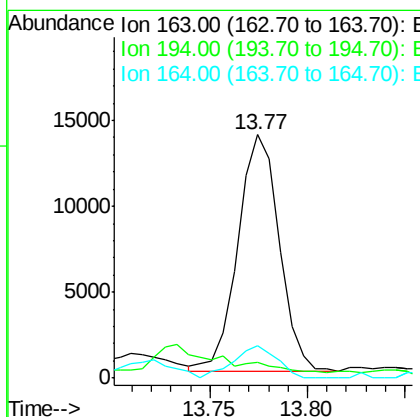
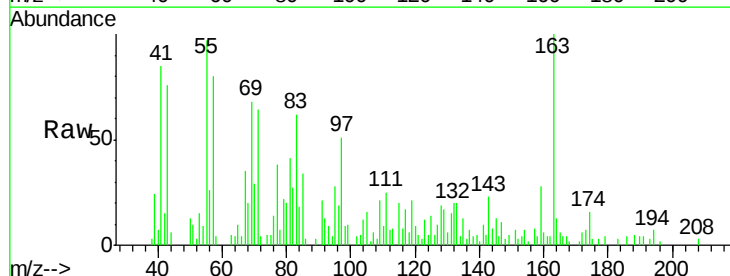
Instrument :
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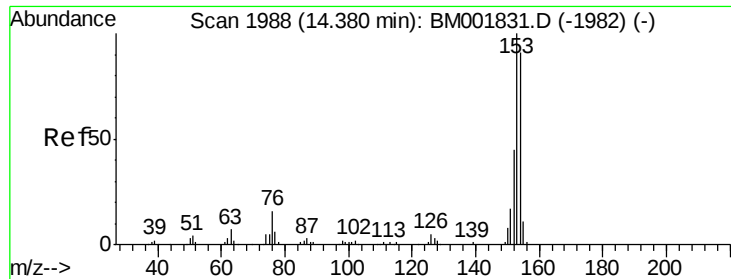
Tgt Ion:142 Resp: 31939
Ion Ratio Lower Upper
142 100
141 87.7 71.6 107.4



#44
Dimethylphthalate
Concen: 1.96 ng/ul
RT: 13.77 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

Tgt Ion:163 Resp: 20156
Ion Ratio Lower Upper
163 100
194 6.7 3.6 5.4#
164 13.2 8.0 12.0#





#49

Acenaphthene

Concen: 2.39 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

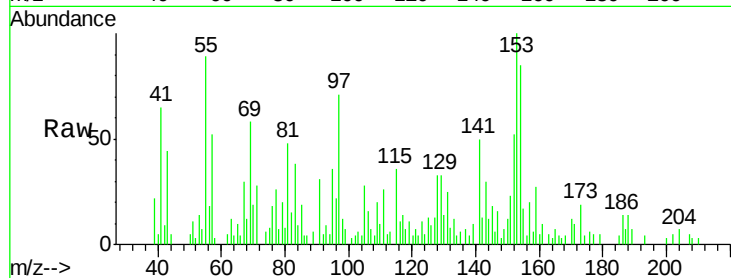
Tgt Ion:153 Resp: 20030

Ion Ratio Lower Upper

153 100

152 52.1 36.6 55.0

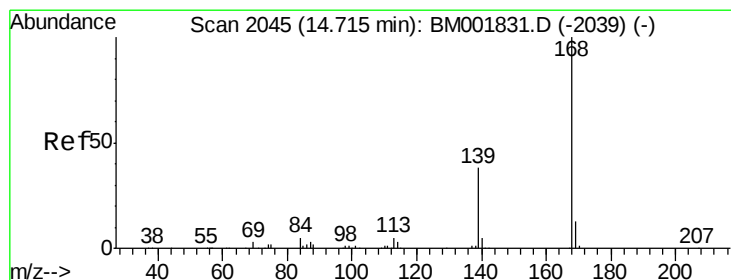
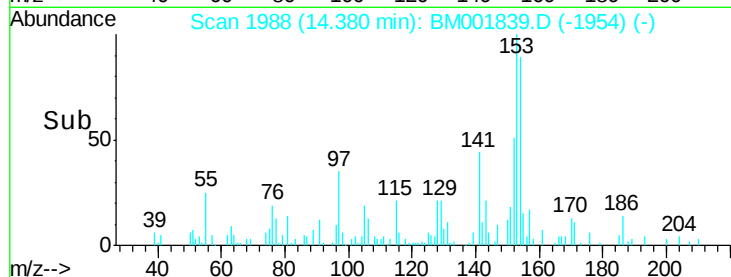
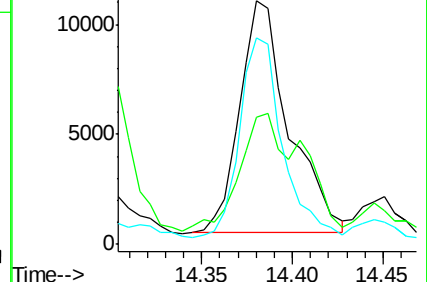
154 85.0 72.6 108.8



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: 1.77 ng/ul

RT: 14.72 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001839.D

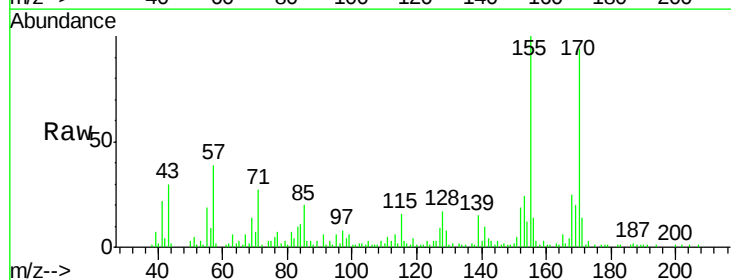
Acq: 06 Jul 2015 16:40

Tgt Ion:168 Resp: 21267

Ion Ratio Lower Upper

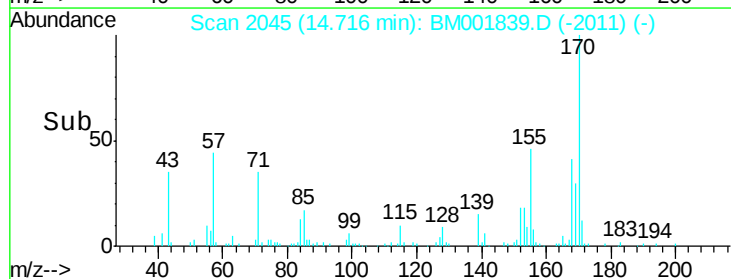
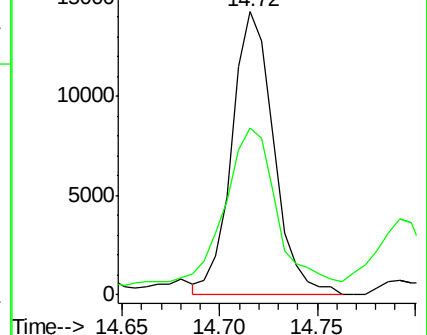
168 100

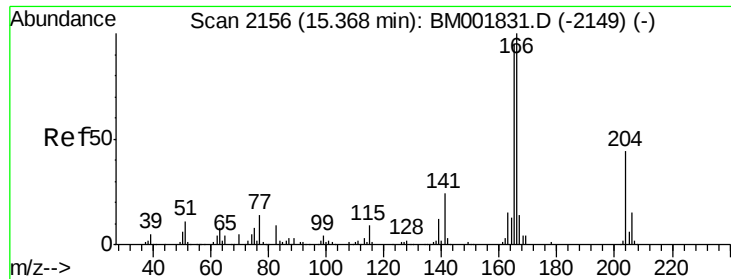
139 59.0 30.1 45.1#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.08 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

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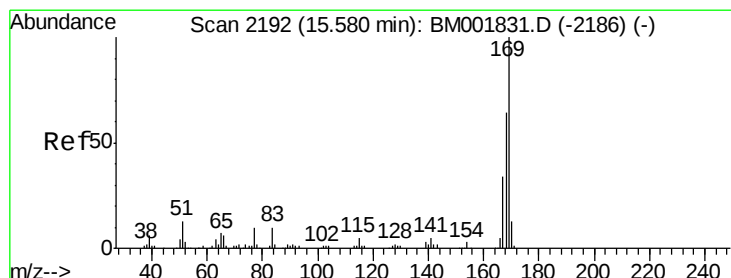
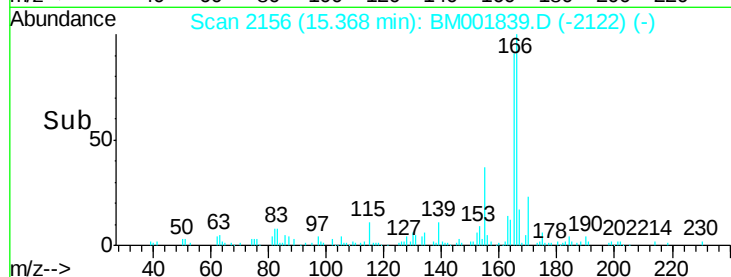
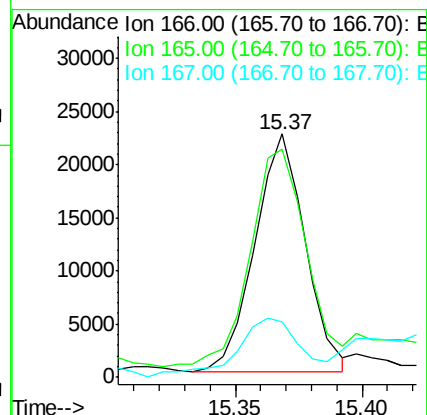
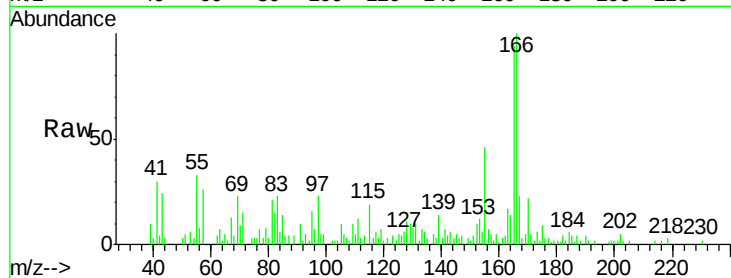
Tgt Ion:166 Resp: 30789

Ion Ratio Lower Upper

166 100

165 93.9 77.4 116.2

167 22.8 11.3 16.9#



#64

N-Nitrosodiphenylamine

Concen: 2.99 ng/ul

RT: 15.58 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

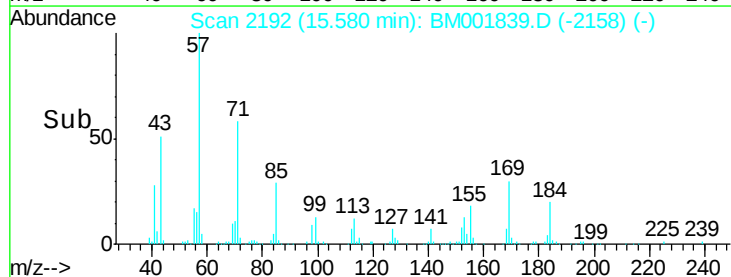
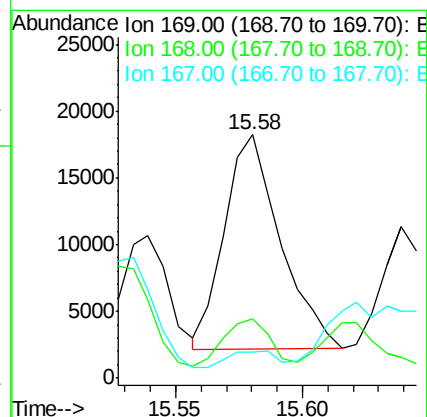
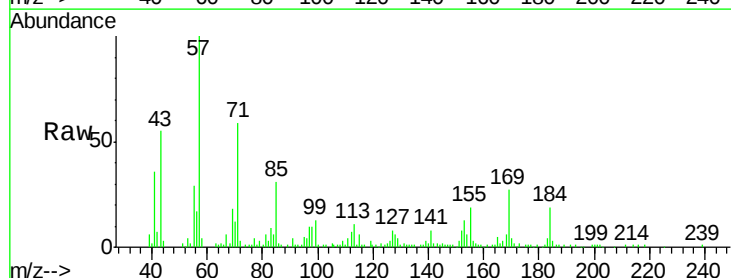
Tgt Ion:169 Resp: 24519

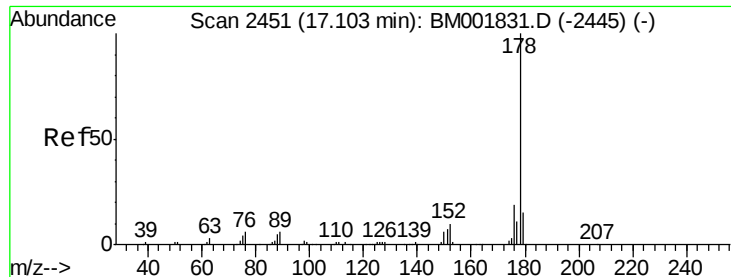
Ion Ratio Lower Upper

169 100

168 24.1 52.9 79.3#

167 10.7 27.5 41.3#





#69

Phenanthrene

Concen: 5.10 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

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G93L2

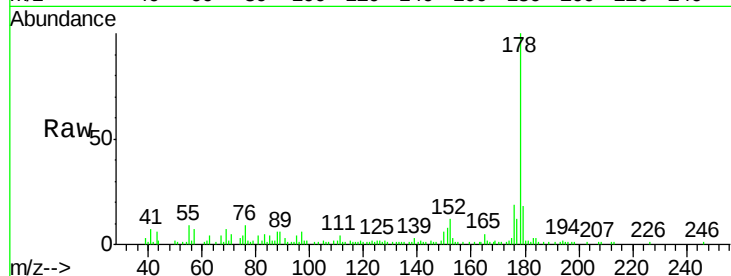
Tgt Ion:178 Resp: 77616

Ion Ratio Lower Upper

178 100

179 17.7 11.9 17.9

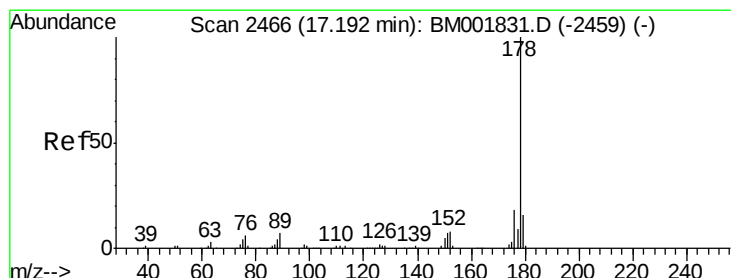
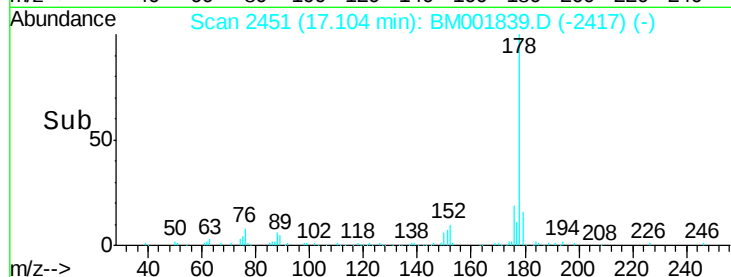
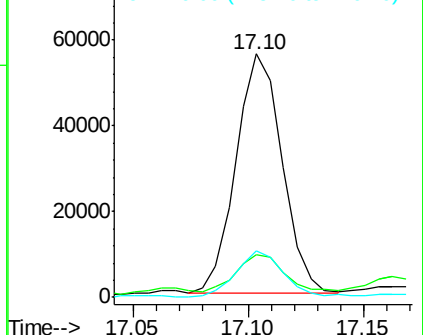
176 19.3 15.2 22.8



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: 4.97 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. -0.09 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

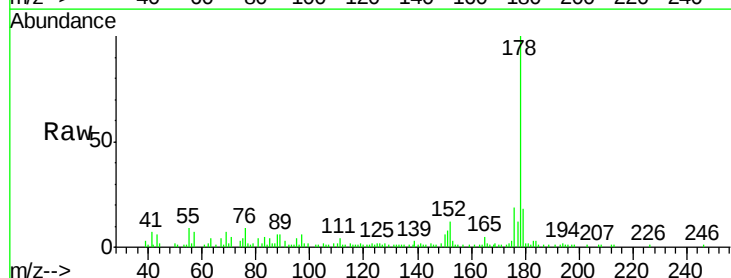
Tgt Ion:178 Resp: 77648

Ion Ratio Lower Upper

178 100

179 17.7 11.8 17.8

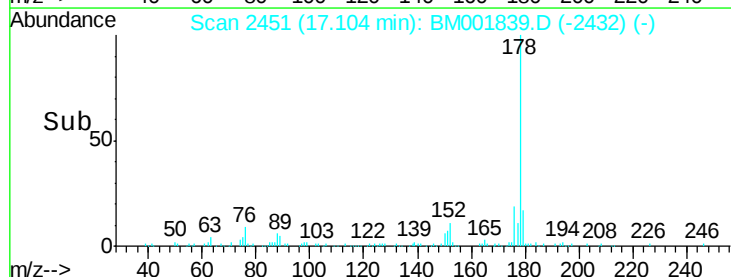
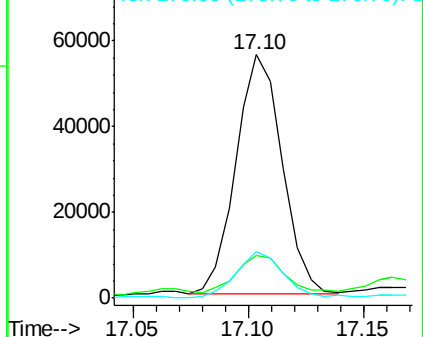
176 19.3 14.4 21.6

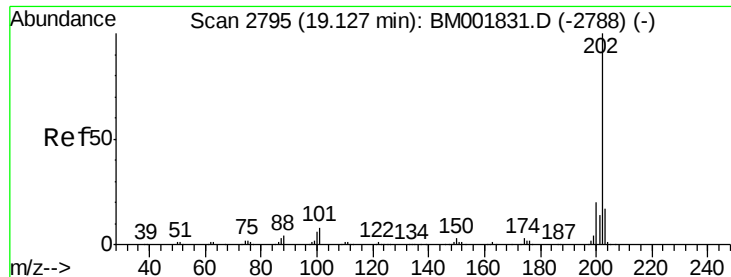


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 1.72 ng/ul

RT: 19.12 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

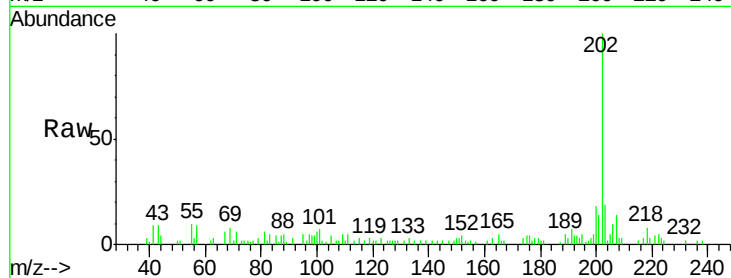
Tgt Ion:202 Resp: 31363

Ion Ratio Lower Upper

202 100

101 6.9 6.1 9.1

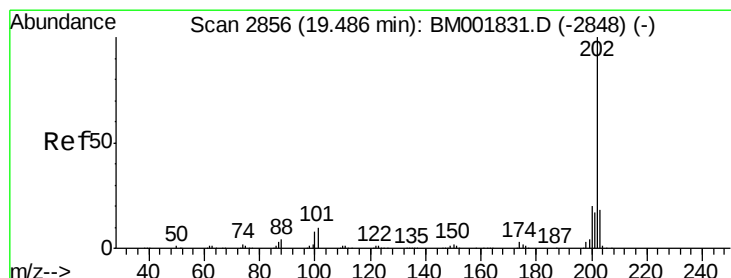
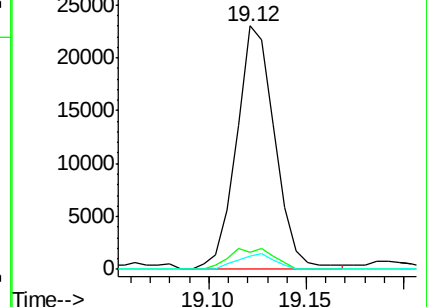
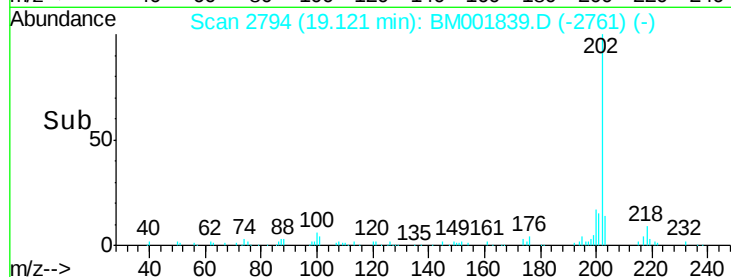
100 5.5 4.8 7.2



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: 2.35 ng/ul

RT: 19.49 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

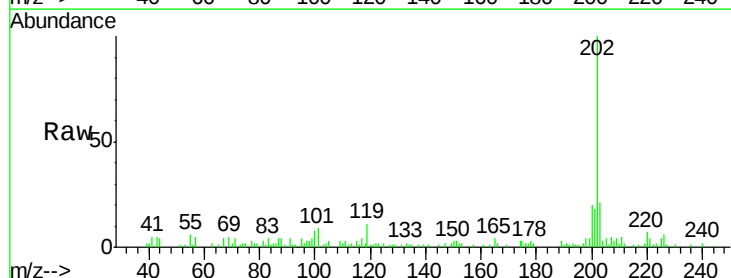
Tgt Ion:202 Resp: 44826

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

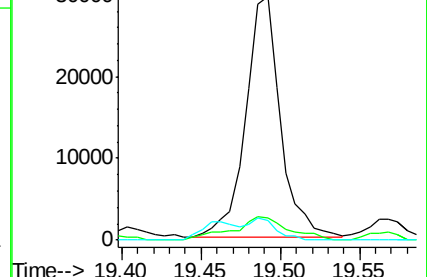
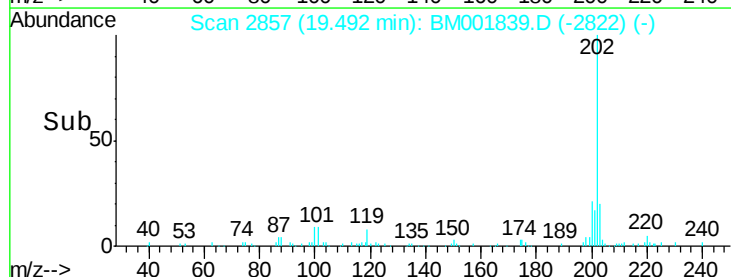
100 8.2 6.2 9.2

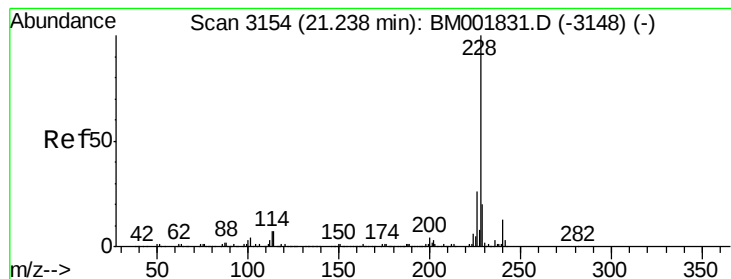


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.26 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

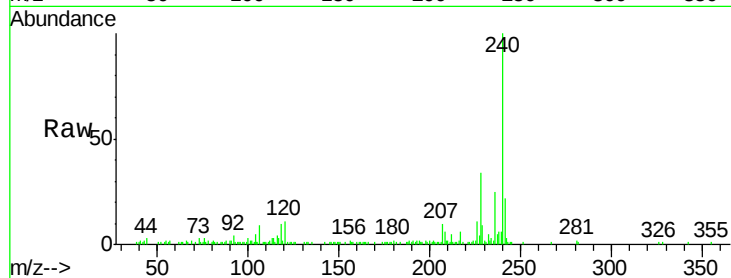
Tgt Ion:228 Resp: 25278

Ion Ratio Lower Upper

228 100

229 25.1 15.4 23.0#

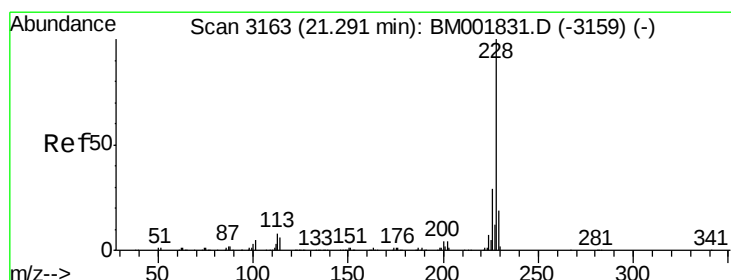
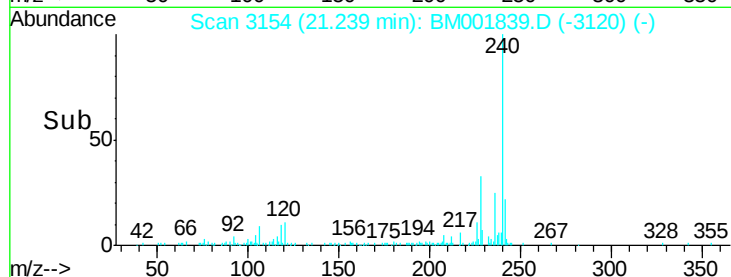
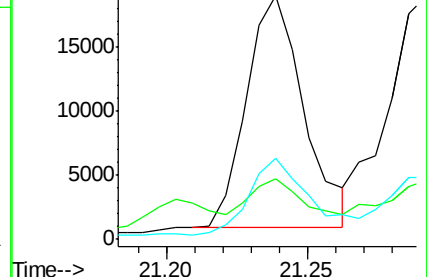
226 33.3 20.6 30.8#



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: 1.49 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

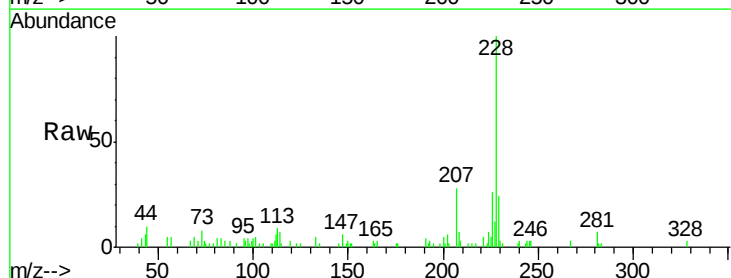
Tgt Ion:228 Resp: 28455

Ion Ratio Lower Upper

228 100

226 26.2 23.0 34.4

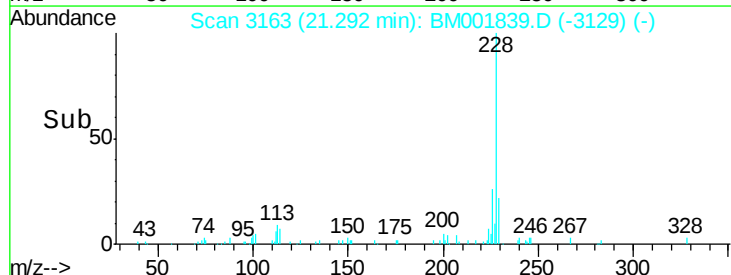
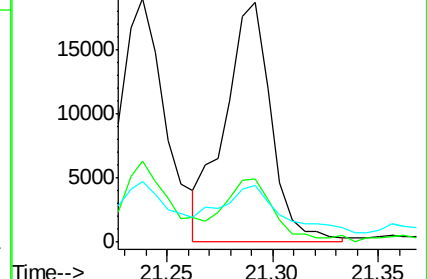
229 23.9 15.4 23.2#

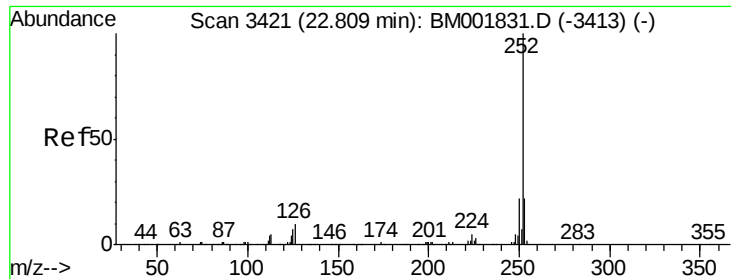


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

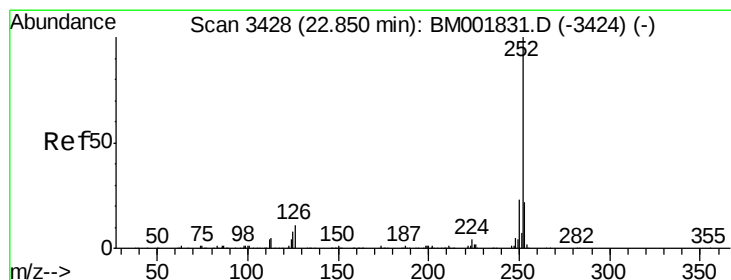
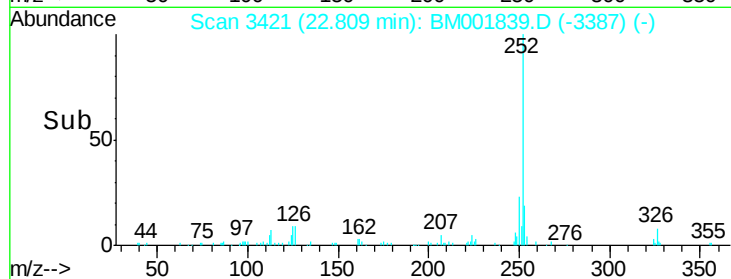
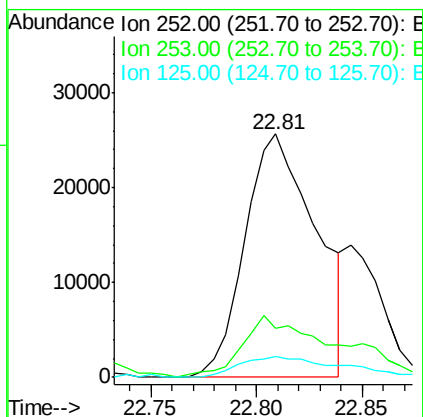
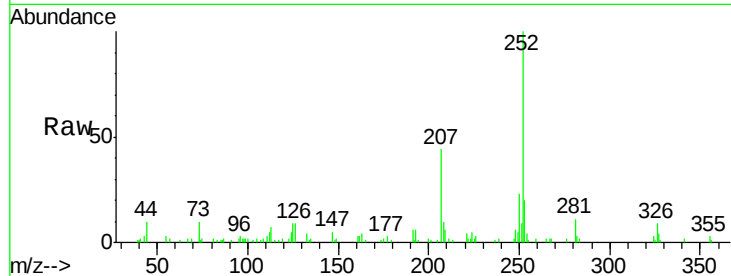




#87
Benzo(b)fluoranthene
Concen: 2.91 ng/ul
RT: 22.81 min Scan# 3421
Delta R.T. 0.00 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

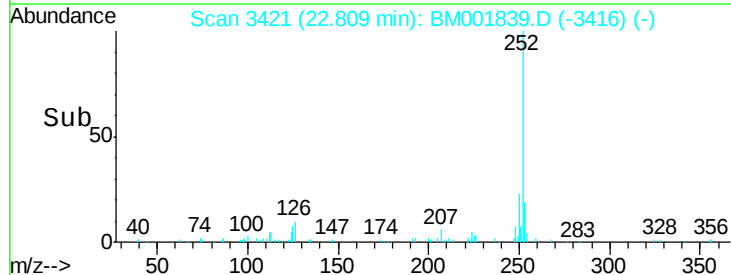
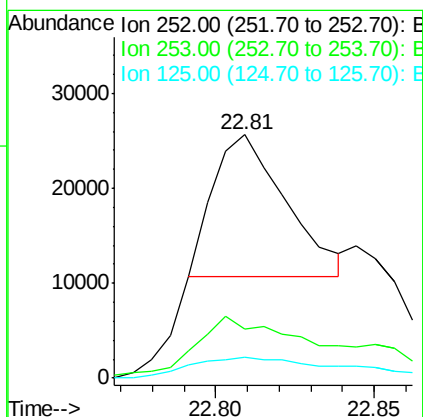
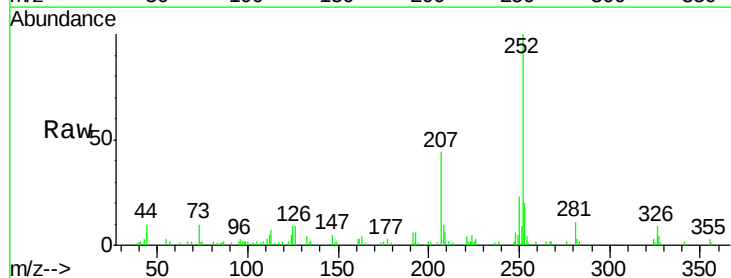
Instrument :
BNA_M
ClientSampleId :
G93L2

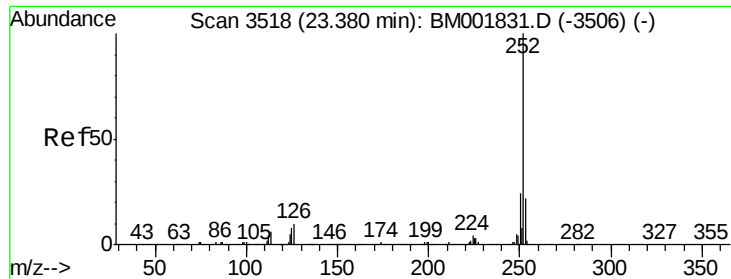
Tgt Ion:252 Resp: 60185
Ion Ratio Lower Upper
252 100
253 20.3 17.8 26.6
125 8.6 5.3 7.9#



#88
Benzo(k)fluoranthene
Concen: 1.18 ng/ul
RT: 22.81 min Scan# 3421
Delta R.T. -0.04 min
Lab File: BM001839.D
Acq: 06 Jul 2015 16:40

Tgt Ion:252 Resp: 23585
Ion Ratio Lower Upper
252 100
253 20.3 17.1 25.7
125 8.6 5.3 7.9#





#90

Benzo(a)pyrene

Concen: 2.74 ng/ul

RT: 23.37 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

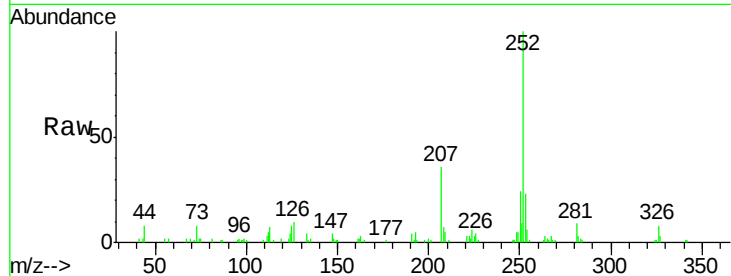
Tgt Ion:252 Resp: 55132

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

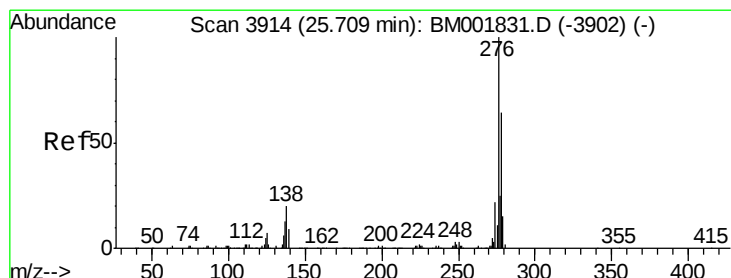
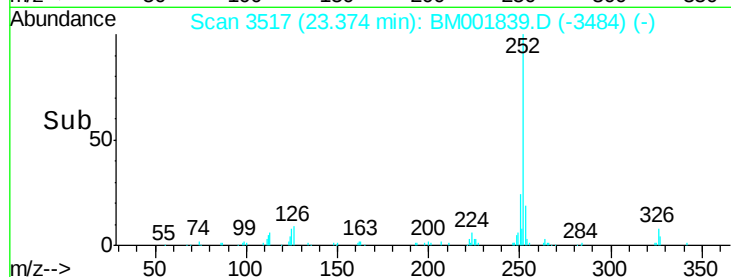
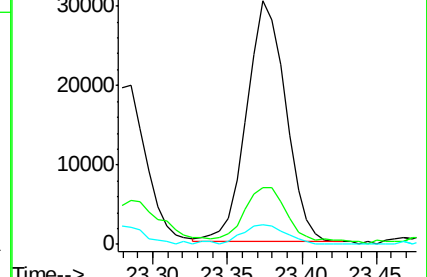
125 8.2 6.0 9.0



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 2.84 ng/ul

RT: 25.71 min Scan# 3914

Delta R.T. 0.00 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

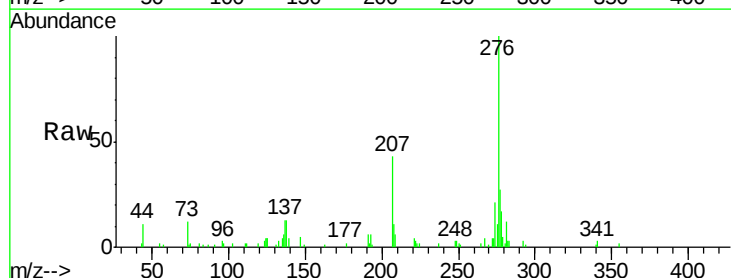
Tgt Ion:276 Resp: 67641

Ion Ratio Lower Upper

276 100

138 13.1 14.7 22.1#

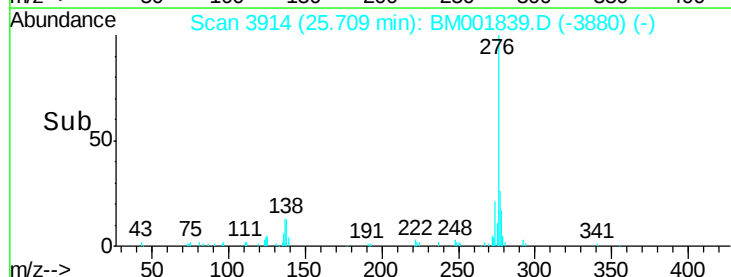
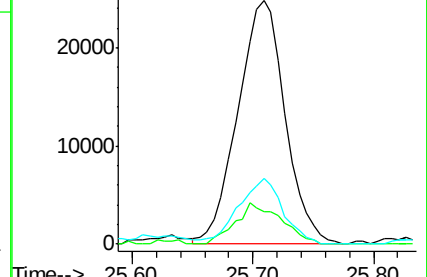
277 26.9 19.7 29.5

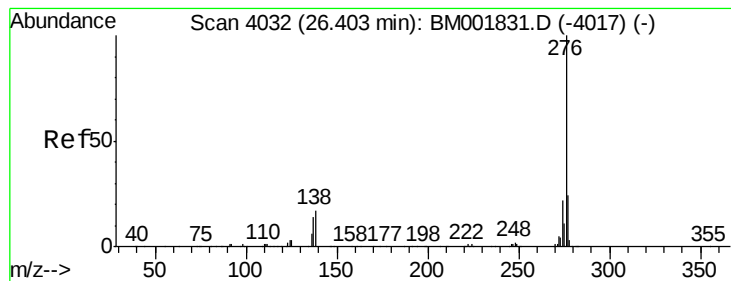


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(g,h,i)perylene

Concen: 3.40 ng/ul

RT: 26.40 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BM001839.D

Acq: 06 Jul 2015 16:40

Instrument :

BNA_M

ClientSampleId :

G93L2

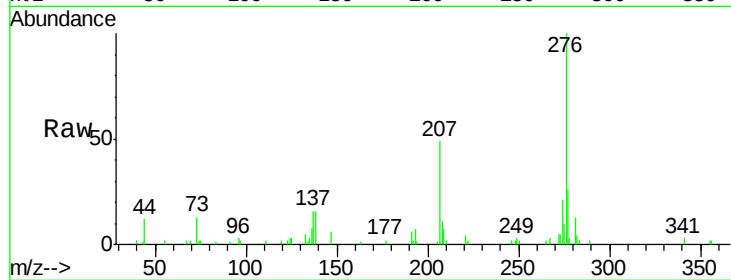
Tgt Ion: 276 Resp: 68115

Ion Ratio Lower Upper

276 100

138 16.4 12.6 19.0

277 25.9 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

