

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001865.D
 Acq On : 07 Jul 2015 13:24
 Operator : TP/UM
 Sample : G2861-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L1

Quant Time: Jul 08 02:19:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 02:11:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	66938	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	256758	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	145848	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	319299	20.00	ng/ul	0.01
77) Chrysene-d12	21.27	240	378282	20.00	ng/ul	0.02
85) Perylene-d12	23.51	264	395277	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1827	1.30	ng/uL	0.00
5) Phenol-d5	6.84	99	40645	7.91	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.00	67	23383	8.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	34326	8.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	31940	7.74	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	15995	9.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	17053	8.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	35333	8.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	23257	5.50	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	95069	8.79	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	122113	8.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	14306	7.17	ng/ul	0.01
57) Fluorene-d10	15.32	176	89563	8.92	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.45	200	3620	1.86	ng/ul	0.01
70) Anthracene-d10	17.17	188	135746	9.13	ng/ul	0.01
78) Pyrene-d10	19.47	212	152927	9.54	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.37	264	157882	9.06	ng/ul	0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	11502	7.17	ng/uL#	1
6) Phenol	6.86	94	7357	1.39	ng/ul	93
14) Acetophenone	8.49	105	18783	2.87	ng/ul	97
16) 4-Methylphenol	8.44	108	9969	2.34	ng/ul	83
28) Naphthalene	10.51	128	1227942	94.72	ng/ul	98
34) 2-Methylnaphthalene	12.13	142	356210	37.99	ng/ul	96
40) 1,1'-Biphenyl	13.15	154	119558	10.04	ng/ul	99
44) Dimethylphthalate	13.78	163	45003	3.81	ng/ul	99
47) Acenaphthylene	14.04	152	501225	34.67	ng/ul	98
49) Acenaphthene	14.39	153	145662	15.08	ng/ul	99
53) Dibenzofuran	14.73	168	575223	41.59	ng/ul	98
58) Fluorene	15.37	166	585332	50.84	ng/ul	100
60) 4-Nitroaniline	15.37	138	6884	2.92	ng/ul#	4
69) Phenanthrene	17.13	178	4129270	238.50	ng/ul	99
71) Anthracene	17.21	178	856150	48.16	ng/ul	99
74) Carbazole	17.48	167	324968	20.84	ng/ul	98
76) Fluoranthene	19.14	202	3841122	185.49	ng/ul	98
79) Pyrene	19.51	202	3410954	162.53	ng/ul	97
82) Benzo(a)anthracene	21.26	228	1346257	60.91	ng/ul	94
84) Chrysene	21.31	228	1151273	54.95	ng/ul	97
87) Benzo(b)fluoranthene	22.84	252	1674022	72.75	ng/ul	99
88) Benzo(k)fluoranthene	22.84	252	411875	18.52	ng/ul	98
90) Benzo(a)pyrene	23.41	252	1388743	62.04	ng/ul	98

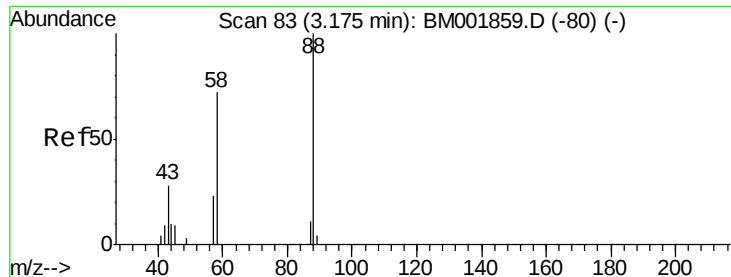
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 08 02:11:29 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.77	276	1020584	38.45	ng/ul	97
92) Dibenzo(a,h)anthracene	25.77	278	202483	9.04	ng/ul#	85
93) Benzo(g,h,i)perylene	26.47	276	956801	42.87	ng/ul	99

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



#2

1,4-Dioxane

Concen: 7.17 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampled :

G93L1

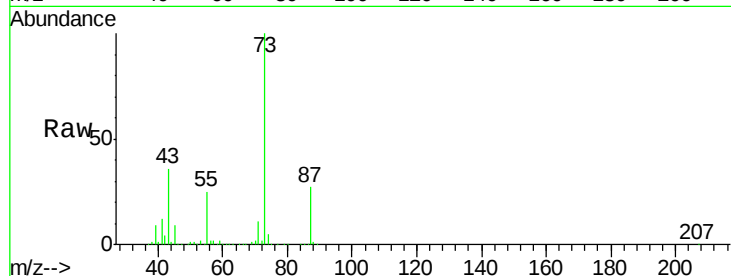
Tgt Ion: 88 Resp: 11502

Ion Ratio Lower Upper

88 100

43 2328.2 24.2 36.4#

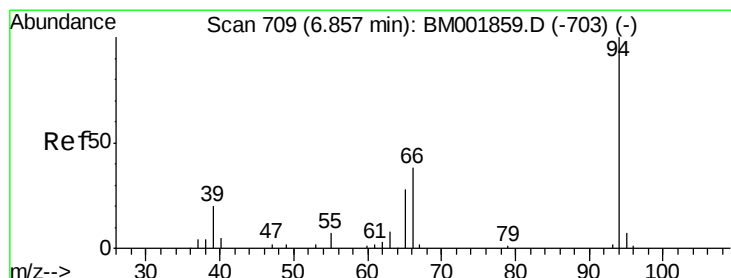
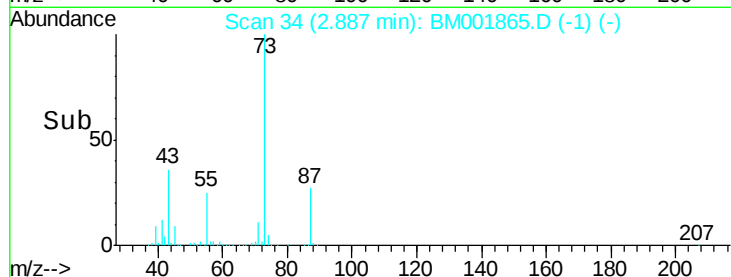
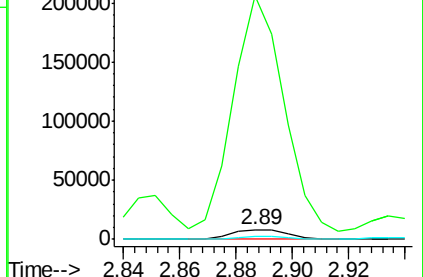
58 28.6 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001865.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM001865.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM001865.D (-1) (-)



#6

Phenol

Concen: 1.39 ng/uL

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

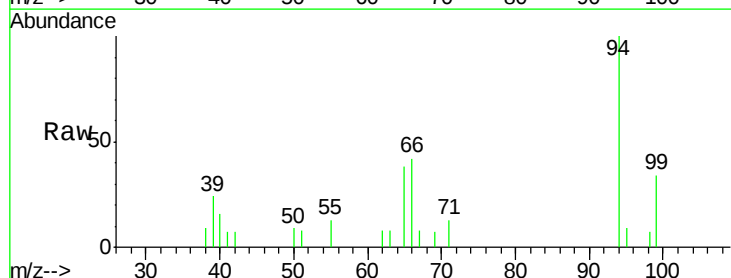
Tgt Ion: 94 Resp: 7357

Ion Ratio Lower Upper

94 100

65 37.6 26.1 39.1

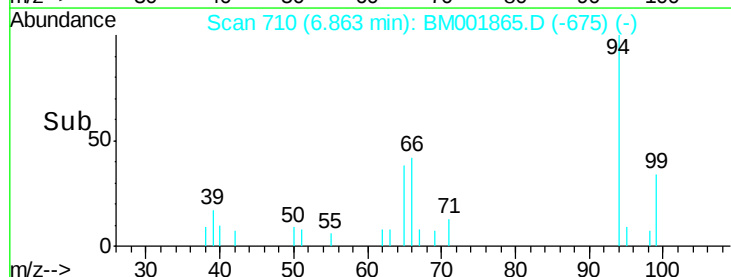
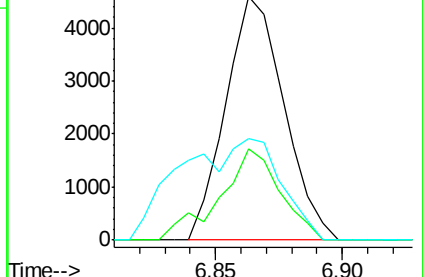
66 41.7 35.9 53.9

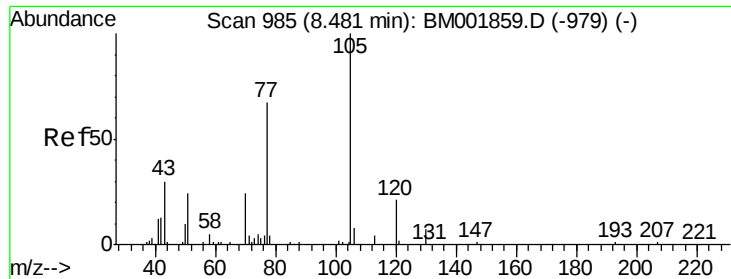


Abundance Ion 94.00 (93.70 to 94.70): BM001865.D (-675) (-)

Ion 65.00 (64.70 to 65.70): BM001865.D (-675) (-)

Ion 66.00 (65.70 to 66.70): BM001865.D (-675) (-)





#14

Acetophenone

Concen: 2.87 ng/ul

RT: 8.49 min Scan# 987

Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

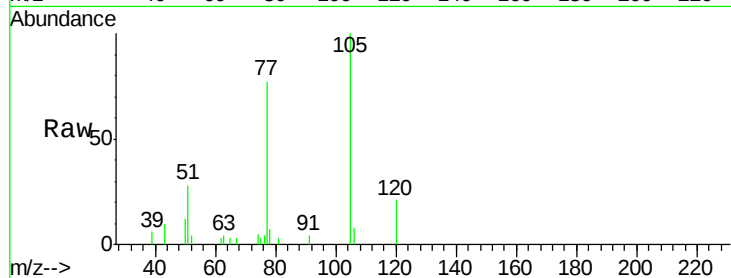
Tgt Ion:105 Resp: 18783

Ion Ratio Lower Upper

105 100

77 77.2 64.2 96.4

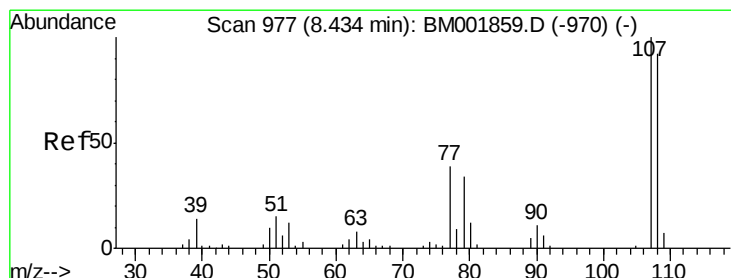
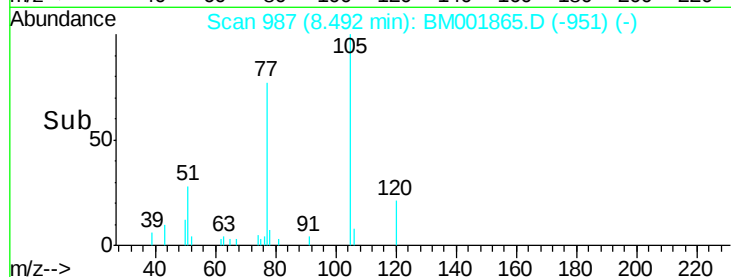
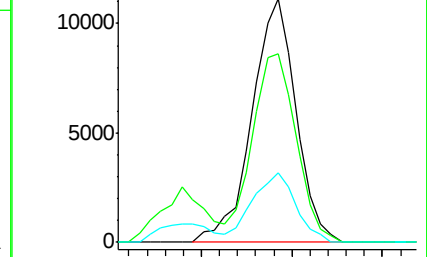
51 28.4 22.0 33.0



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 2.34 ng/ul

RT: 8.44 min Scan# 978

Delta R.T. 0.01 min

Lab File: BM001865.D

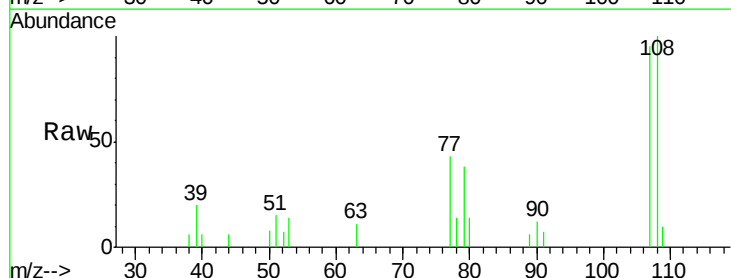
Acq: 07 Jul 2015 13:24

Tgt Ion:108 Resp: 9969

Ion Ratio Lower Upper

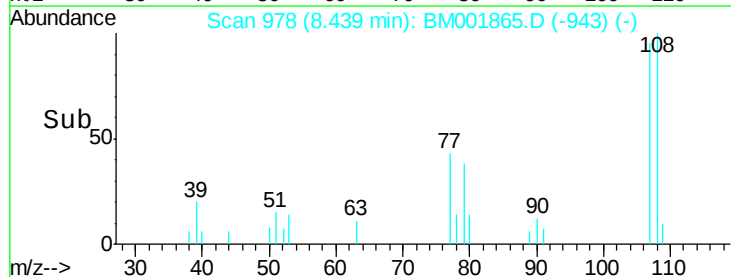
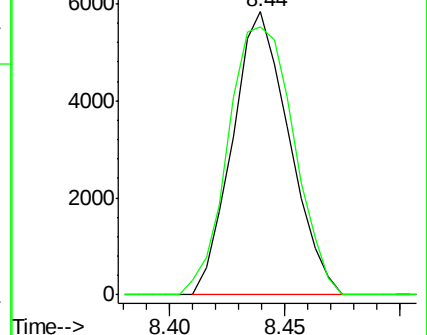
108 100

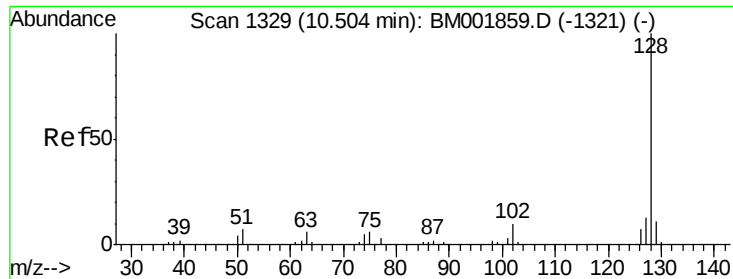
107 94.7 89.9 134.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

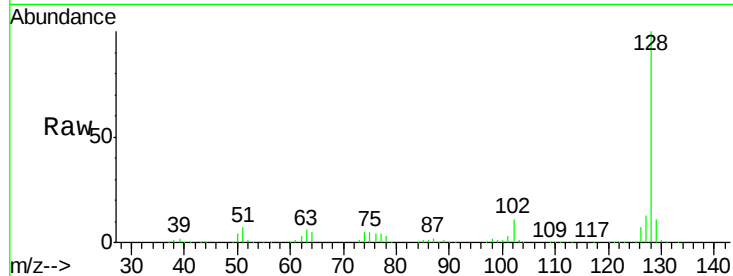




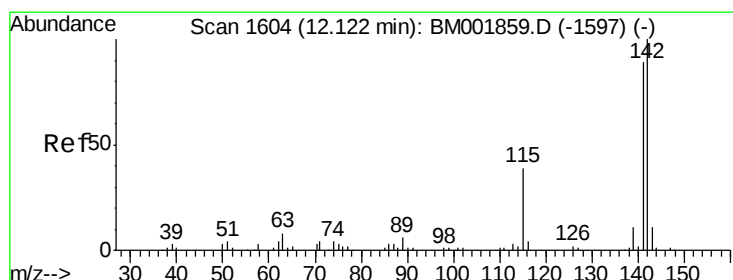
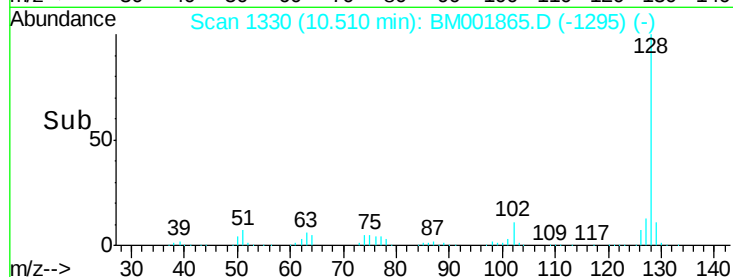
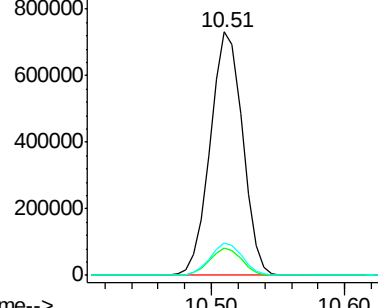
#28
Naphthalene
Concen: 94.72 ng/ul
RT: 10.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampled :
G93L1

Tgt Ion:128 Resp: 1227942
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.5 10.0 15.0

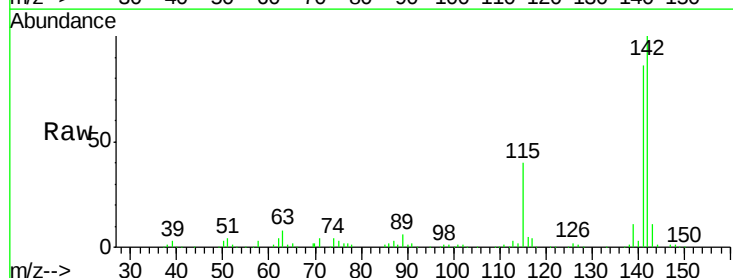


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

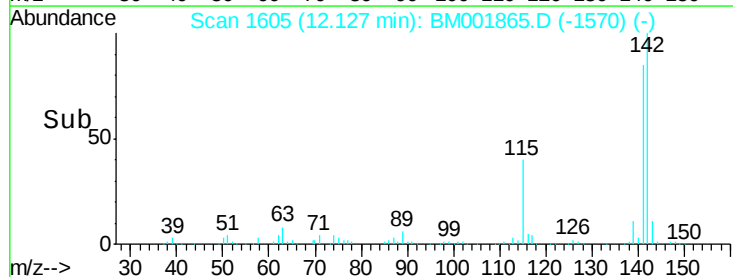
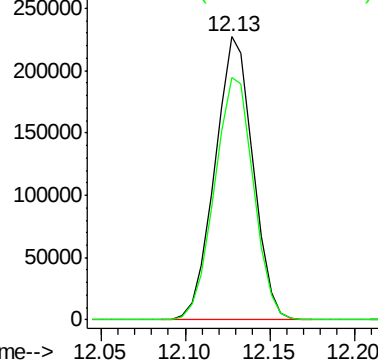


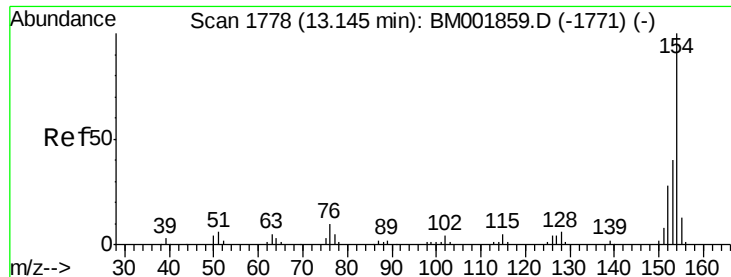
#34
2-Methylnaphthalene
Concen: 37.99 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion:142 Resp: 356210
Ion Ratio Lower Upper
142 100
141 85.6 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

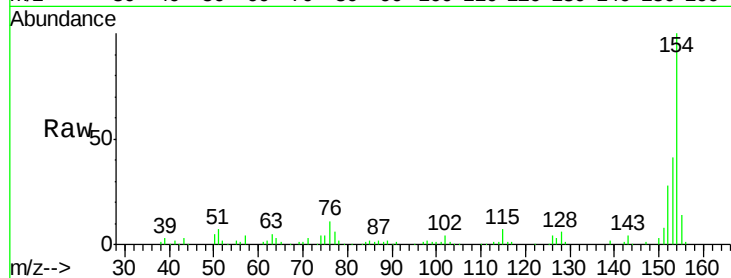




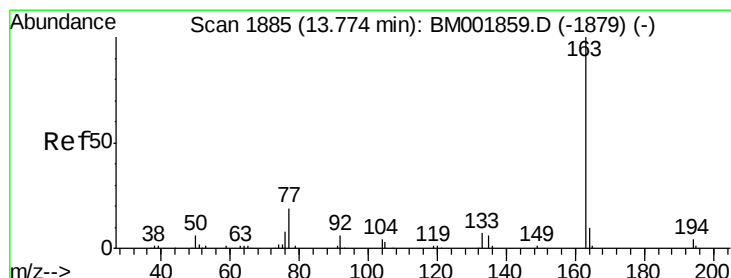
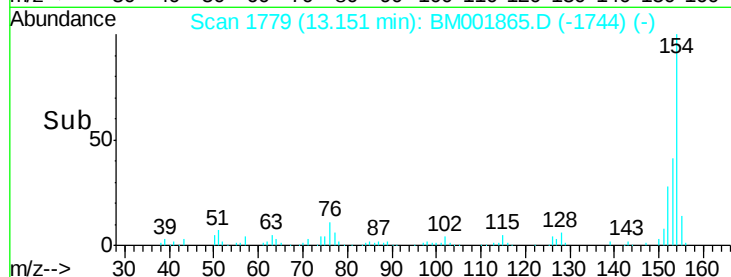
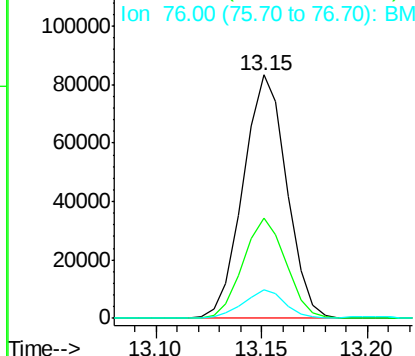
#40
1,1'-Biphenyl
Concen: 10.04 ng/ul
RT: 13.15 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampled :
G93L1

Tgt Ion:154 Resp: 119558
Ion Ratio Lower Upper
154 100
153 41.0 32.5 48.7
76 11.5 9.0 13.6

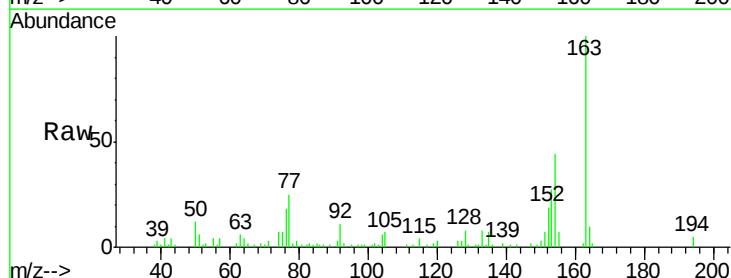


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

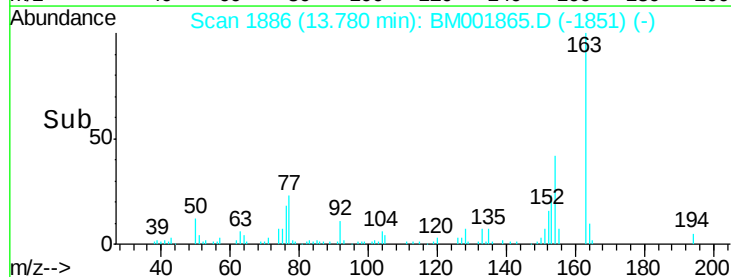
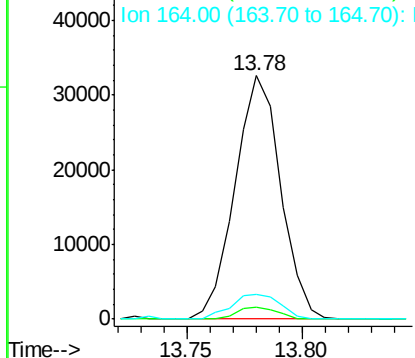


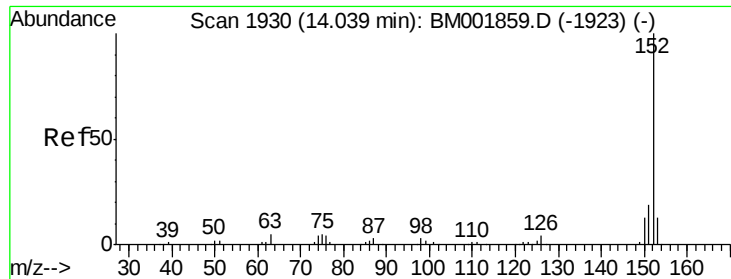
#44
Dimethylphthalate
Concen: 3.81 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion:163 Resp: 45003
Ion Ratio Lower Upper
163 100
194 5.0 3.6 5.4
164 10.2 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

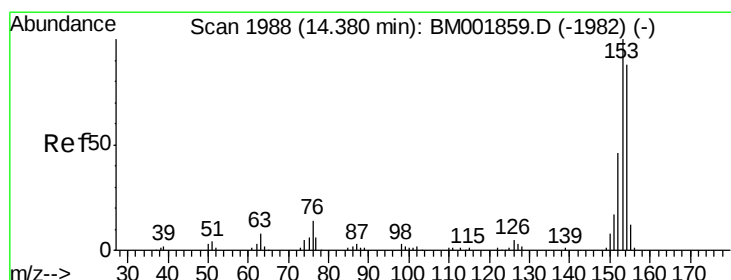
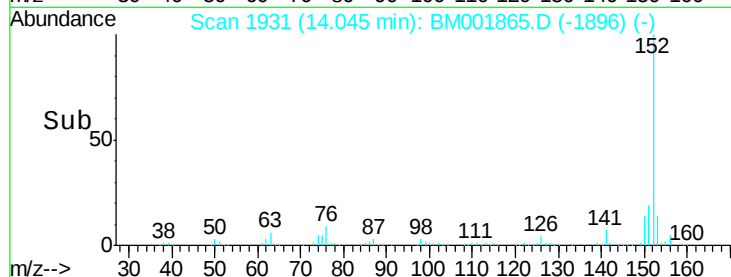
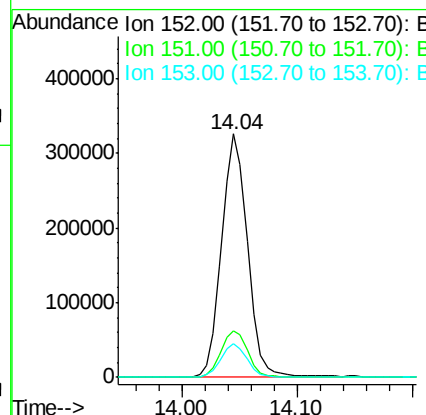
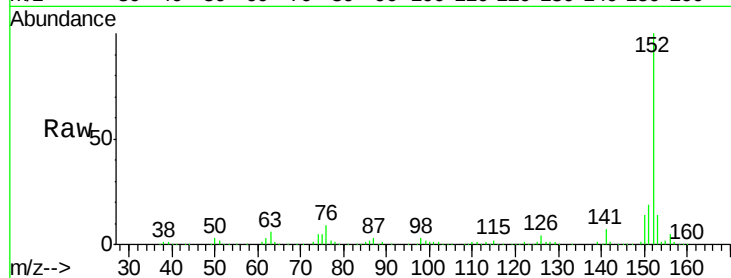




#47
Acenaphthylene
Concen: 34.67 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

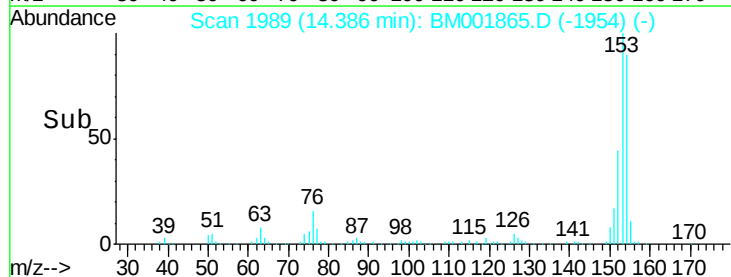
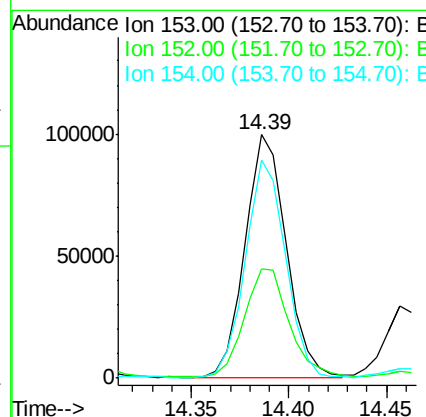
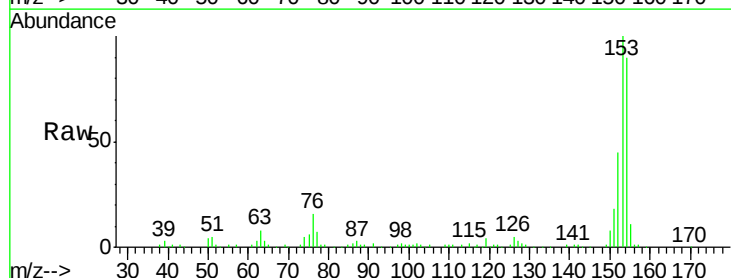
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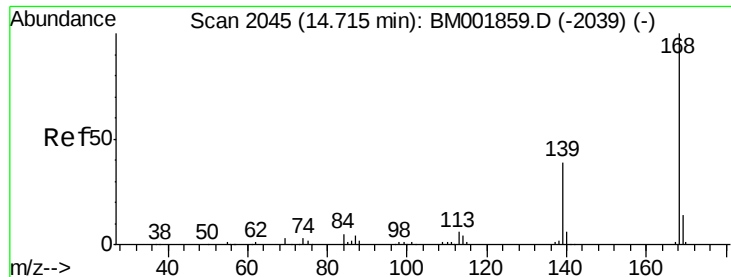
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	13.8	10.0	15.0



#49
Acenaphthene
Concen: 15.08 ng/ul
RT: 14.39 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.7	36.6	55.0
154	89.6	72.6	108.8

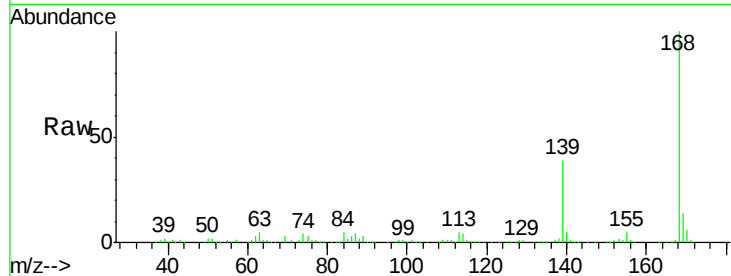




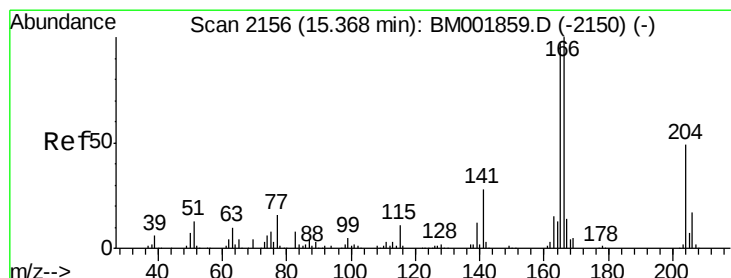
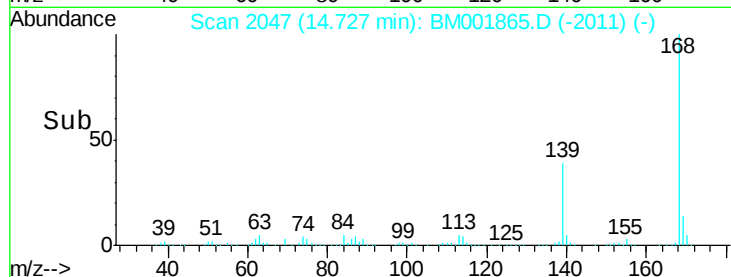
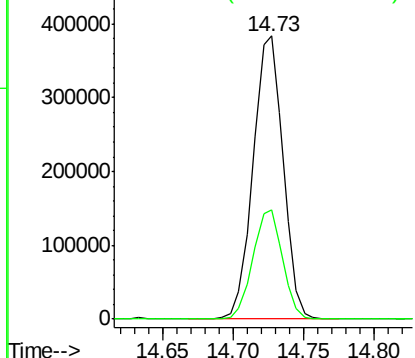
#53
Dibenzenofuran
Concen: 41.59 ng/ul
RT: 14.73 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampleId :
G93L1

Tgt Ion:168 Resp: 575223
Ion Ratio Lower Upper
168 100
139 38.6 30.1 45.1

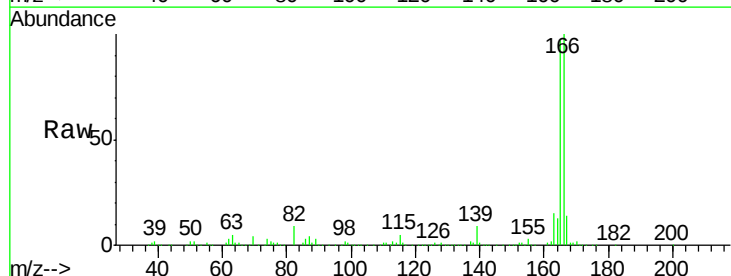


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

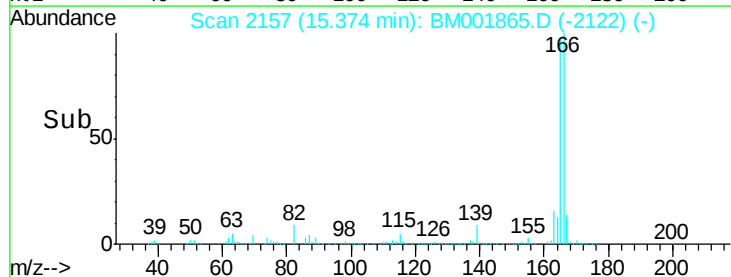
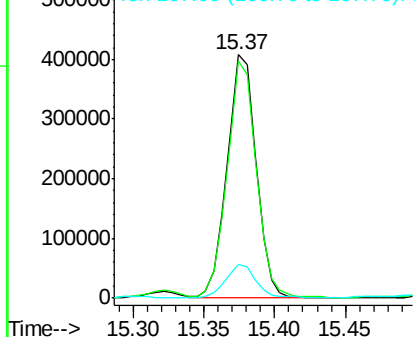


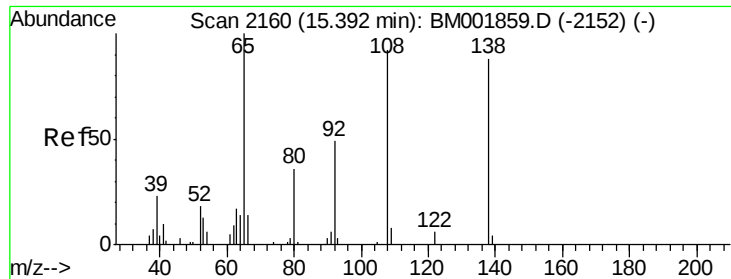
#58
Fluorene
Concen: 50.84 ng/ul
RT: 15.37 min Scan# 2157
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion:166 Resp: 585332
Ion Ratio Lower Upper
166 100
165 97.2 77.4 116.2
167 13.9 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

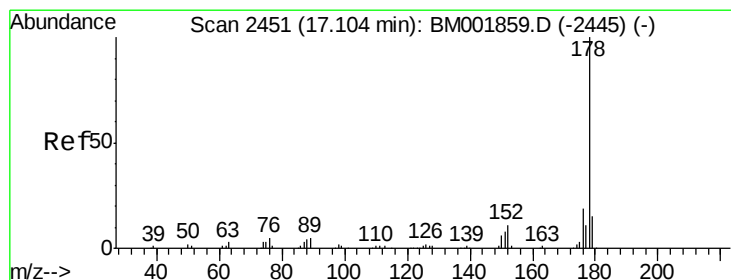
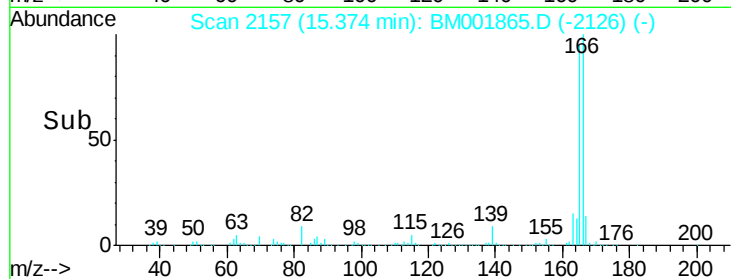
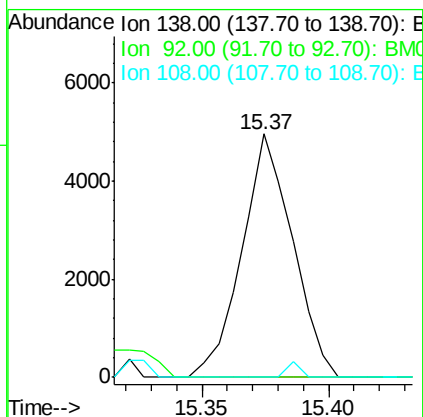
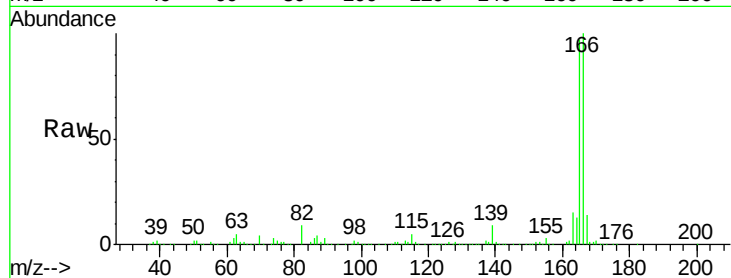




#60
4-Nitroaniline
Concen: 2.92 ng/ul
RT: 15.37 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

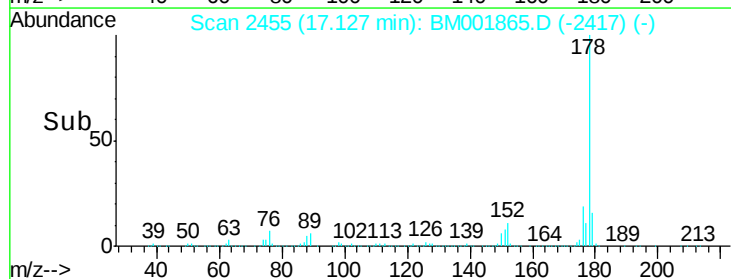
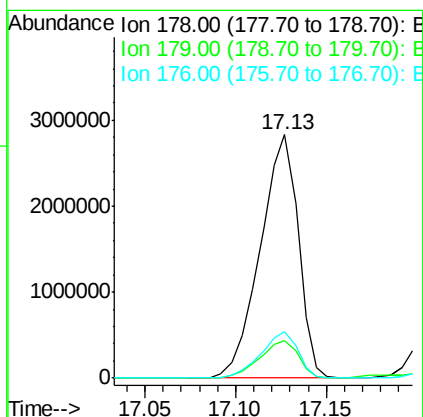
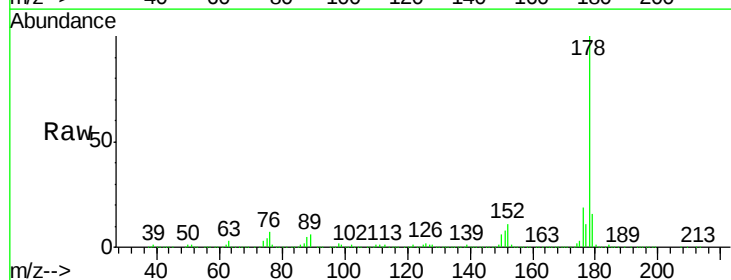
Instrument :
BNA_M
ClientSampleId :
G93L1

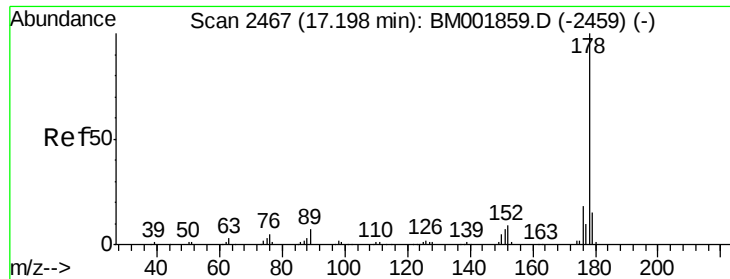
Tgt Ion:138 Resp: 6884
Ion Ratio Lower Upper
138 100
92 0.0 45.6 68.4#
108 0.0 89.6 134.4#



#69
Phenanthrene
Concen: 238.50 ng/ul
RT: 17.13 min Scan# 2455
Delta R.T. 0.02 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion:178 Resp: 4129270
Ion Ratio Lower Upper
178 100
179 15.6 11.9 17.9
176 19.0 15.2 22.8

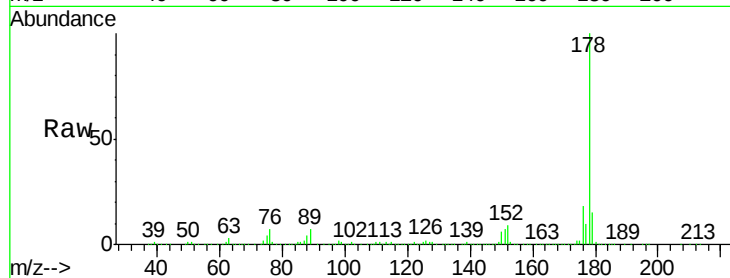




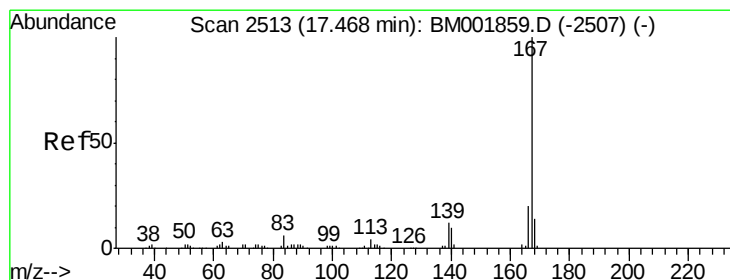
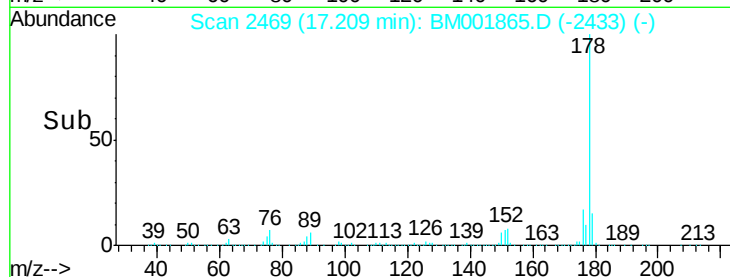
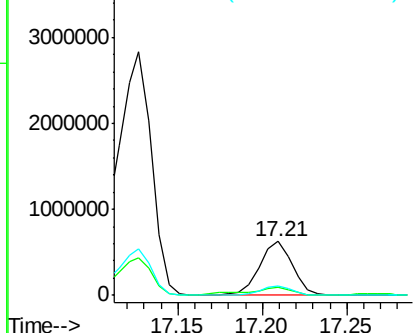
#71
 Anthracene
 Concen: 48.16 ng/ul
 RT: 17.21 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Instrument :
 BNA_M
 ClientSampleId :
 G93L1

Tgt Ion:178 Resp: 856150
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.8 17.8
 176 17.5 14.4 21.6

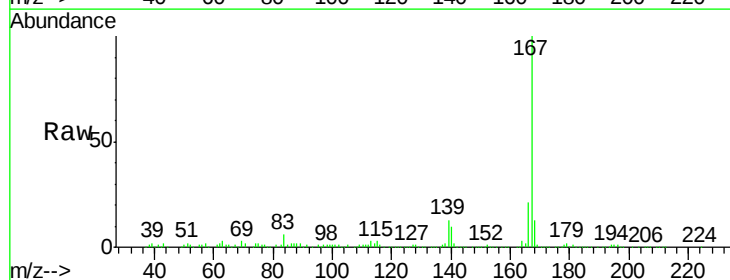


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

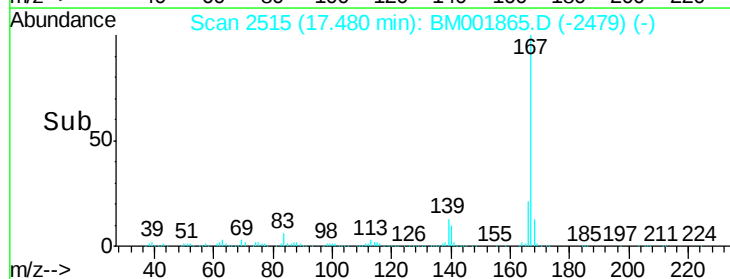
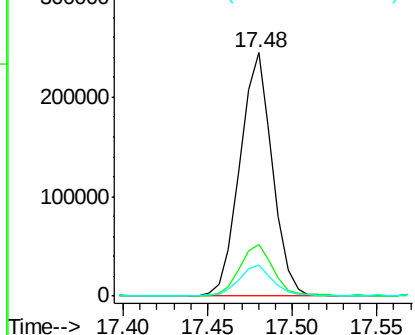


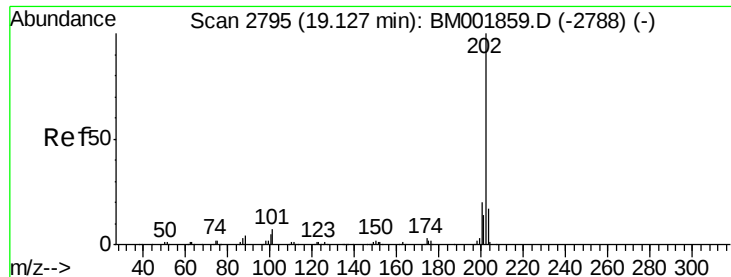
#74
 Carbazole
 Concen: 20.84 ng/ul
 RT: 17.48 min Scan# 2515
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Tgt Ion:167 Resp: 324968
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.4 26.2
 139 13.0 10.1 15.1



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





#76

Fluoranthene

Concen: 185.49 ng/ul

RT: 19.14 min Scan# 2798

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

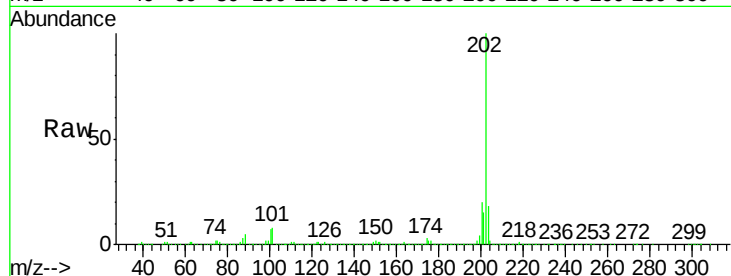
Tgt Ion:202 Resp: 3841122

Ion Ratio Lower Upper

202 100

101 8.4 6.1 9.1

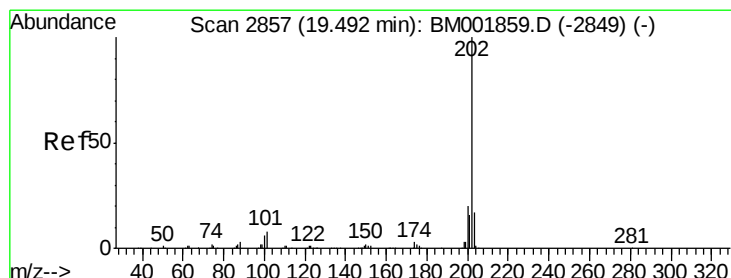
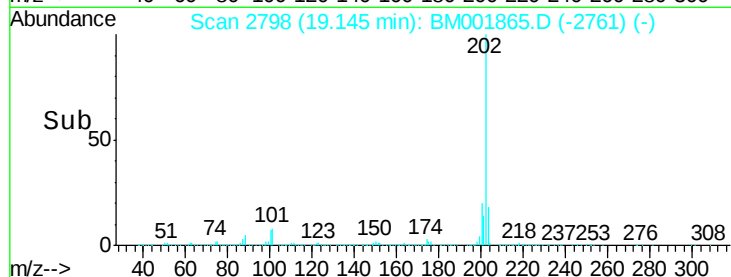
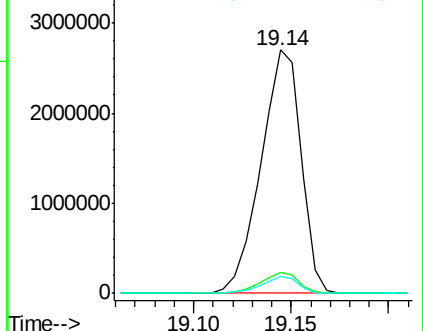
100 6.8 4.8 7.2



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: 162.53 ng/ul

RT: 19.51 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

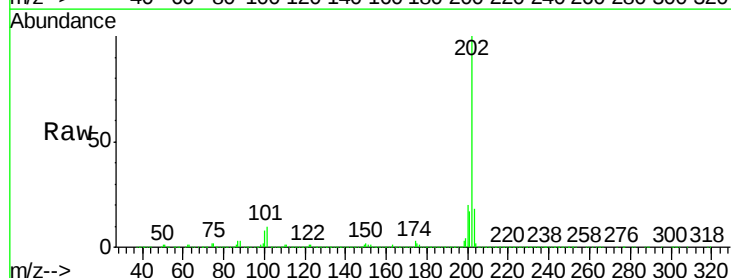
Tgt Ion:202 Resp: 3410954

Ion Ratio Lower Upper

202 100

101 9.9 6.9 10.3

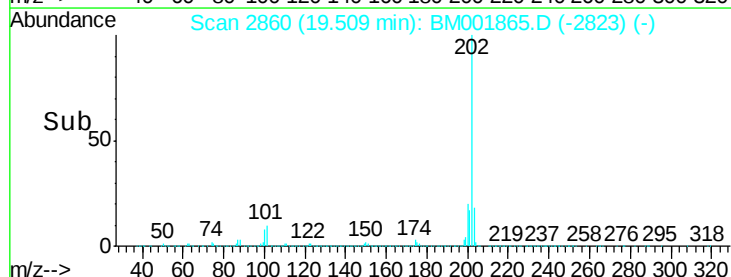
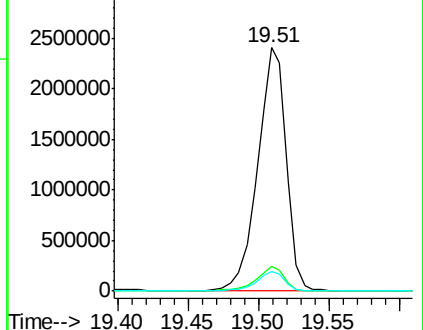
100 8.2 6.2 9.2

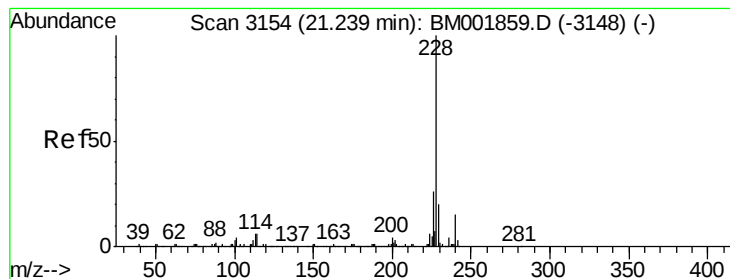


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 60.91 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

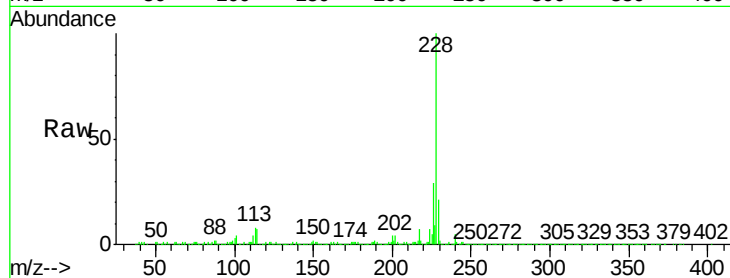
Tgt Ion:228 Resp: 1346257

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

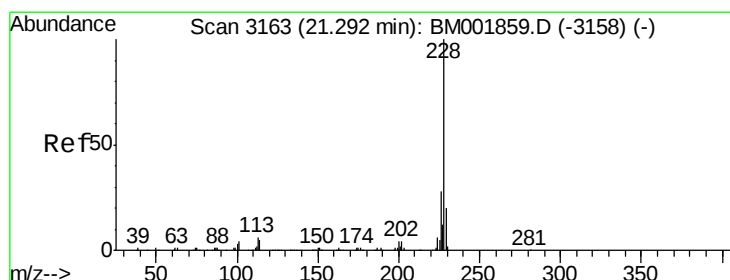
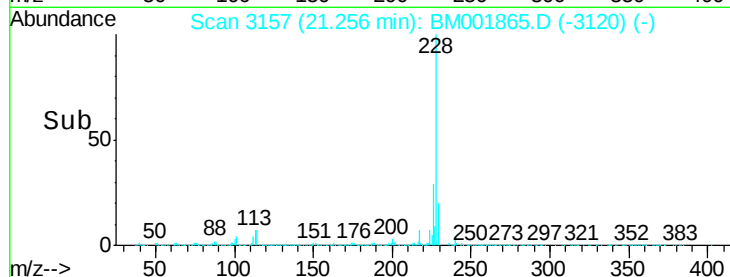
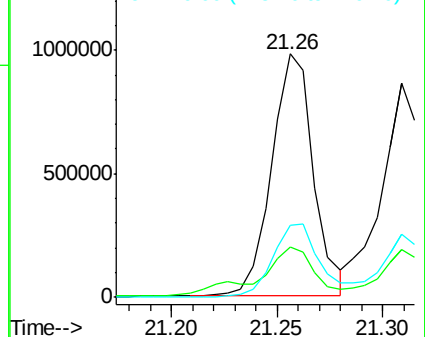
226 29.4 20.6 30.8



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: 54.95 ng/ul

RT: 21.31 min Scan# 3166

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

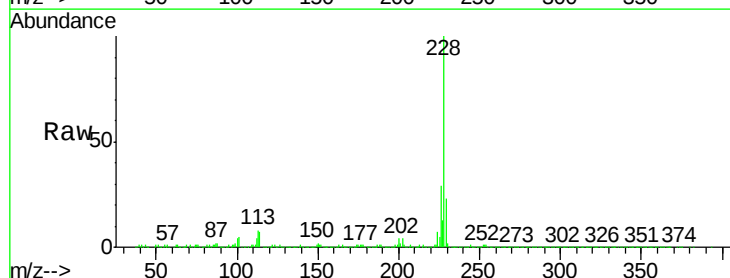
Tgt Ion:228 Resp: 1151273

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.4

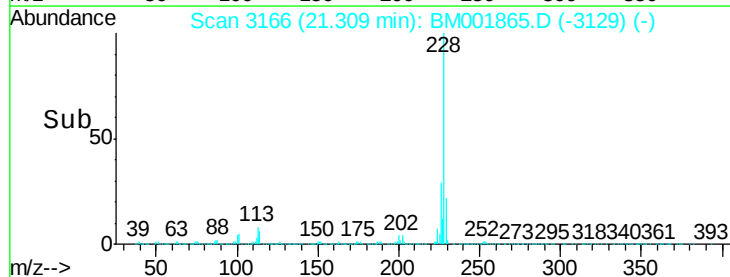
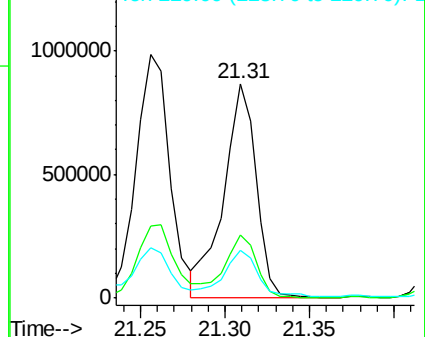
229 22.6 15.4 23.2

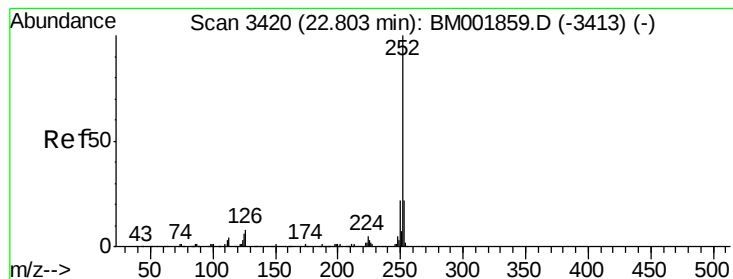


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 72.75 ng/ul

RT: 22.84 min Scan# 3427

Delta R.T. 0.04 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

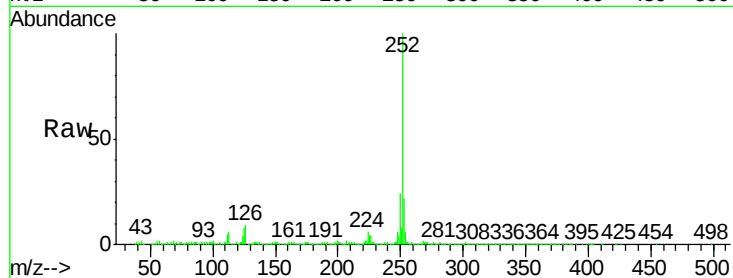
Tgt Ion:252 Resp: 1674022

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

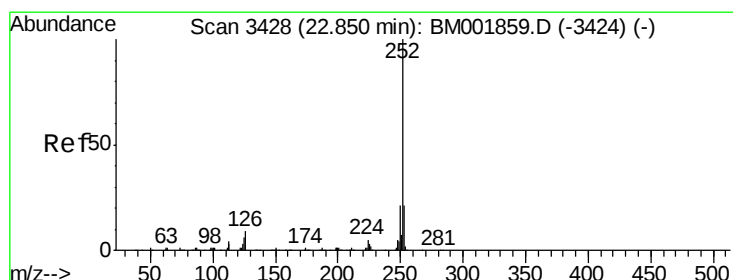
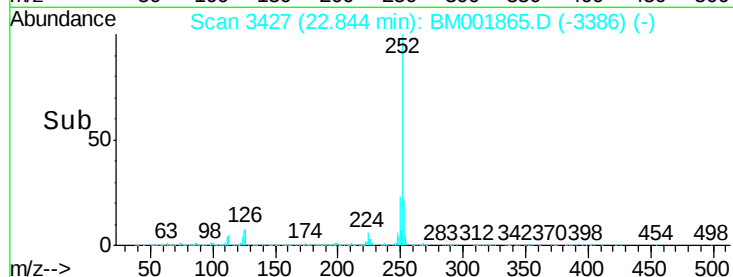
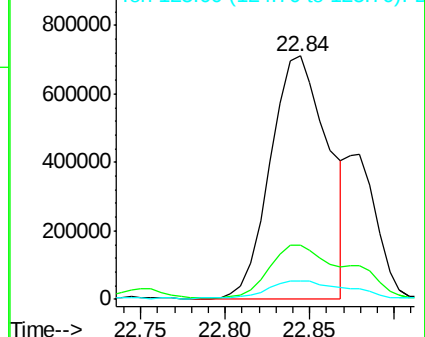
125 7.7 5.3 7.9



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: 18.52 ng/ul

RT: 22.84 min Scan# 3427

Delta R.T. -0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

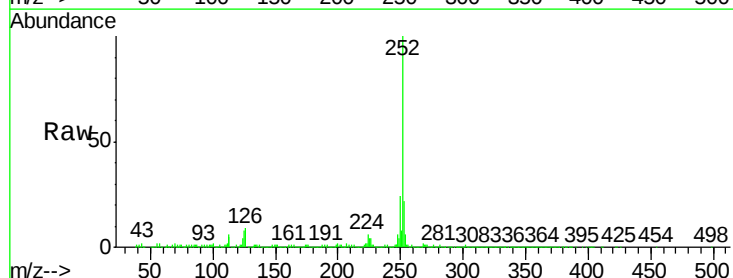
Tgt Ion:252 Resp: 411875

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

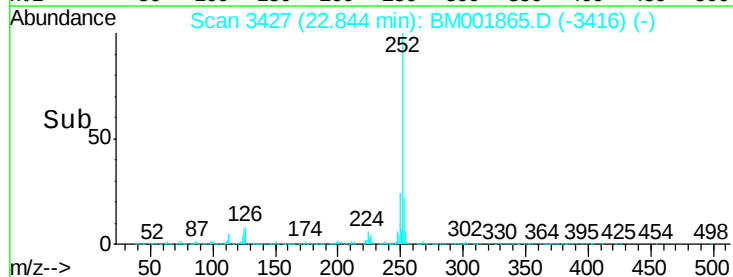
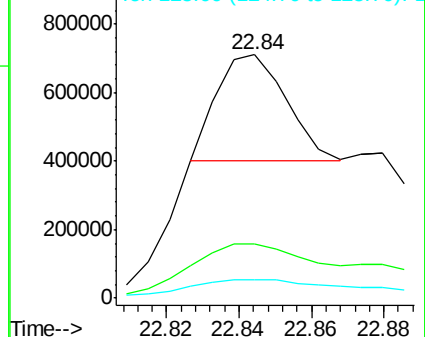
125 7.7 5.3 7.9

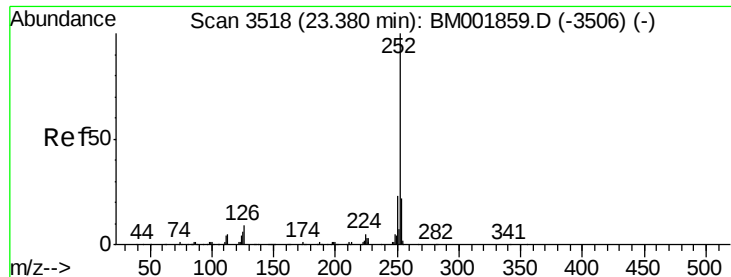


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 62.04 ng/ul

RT: 23.41 min Scan# 3524

Delta R.T. 0.04 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

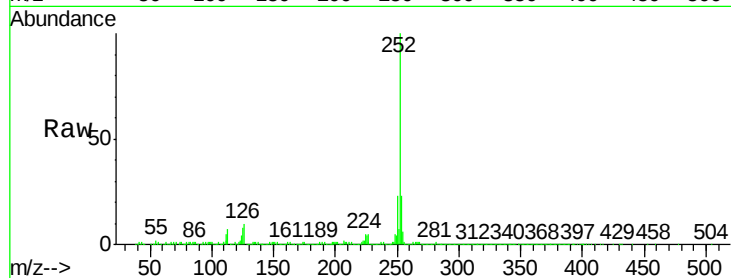
Tgt Ion:252 Resp: 1388743

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

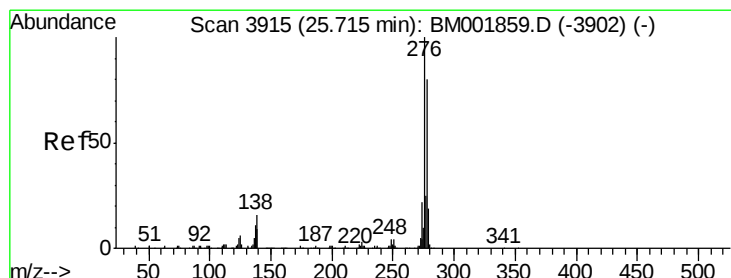
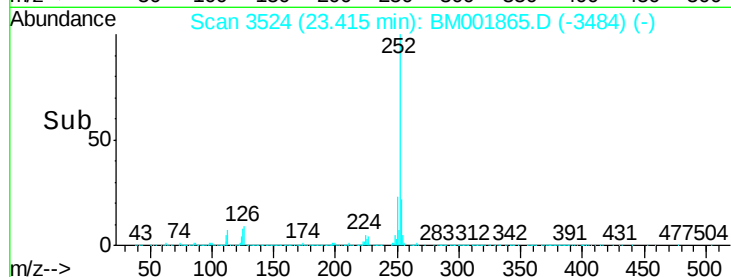
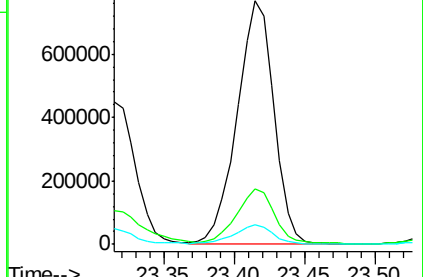
125 8.0 6.0 9.0



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: 38.45 ng/ul

RT: 25.77 min Scan# 3925

Delta R.T. 0.06 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

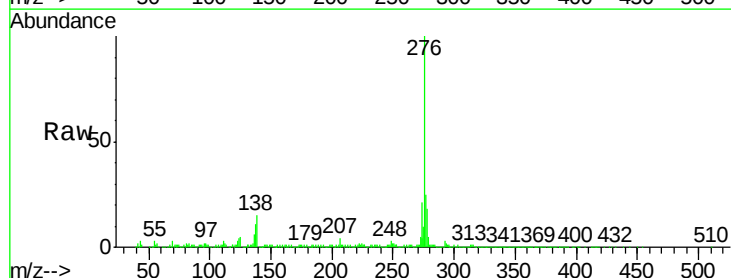
Tgt Ion:276 Resp: 1020584

Ion Ratio Lower Upper

276 100

138 14.9 14.7 22.1

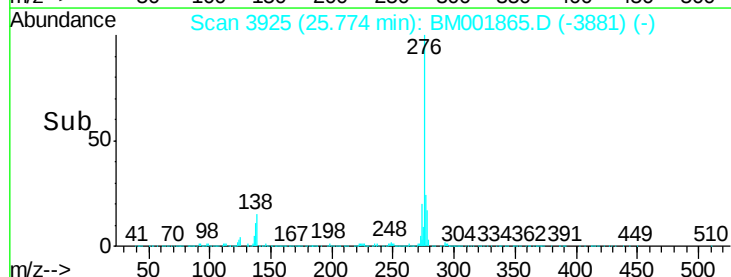
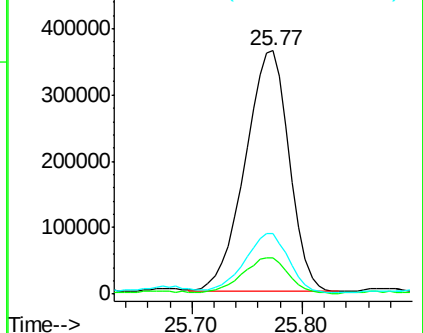
277 24.6 19.7 29.5

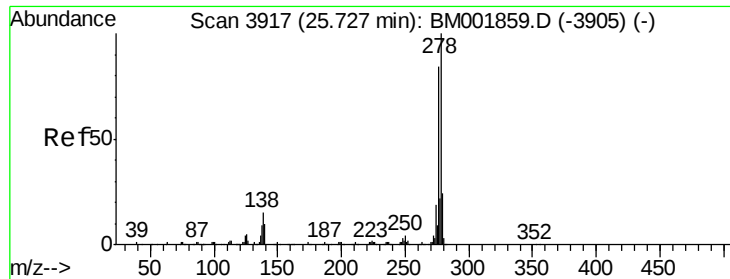


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 9.04 ng/ul

RT: 25.77 min Scan# 3924

Delta R.T. 0.04 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

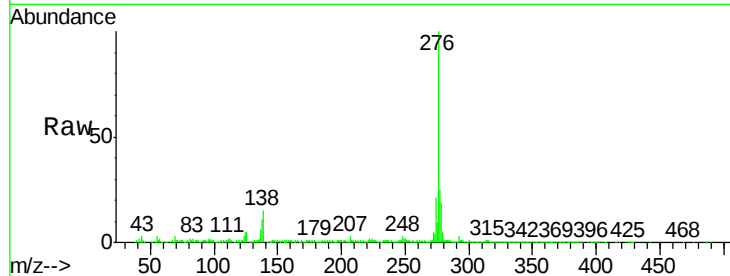
Tgt Ion:278 Resp: 202483

Ion Ratio Lower Upper

278 100

139 0.0 9.2 13.8#

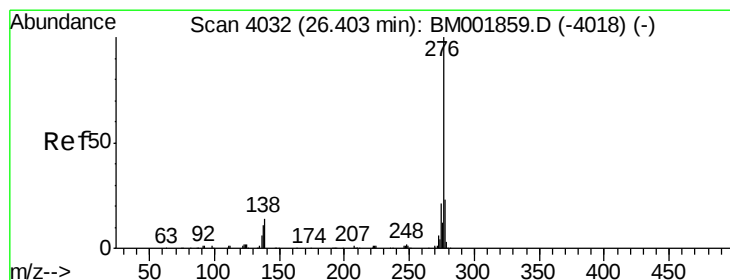
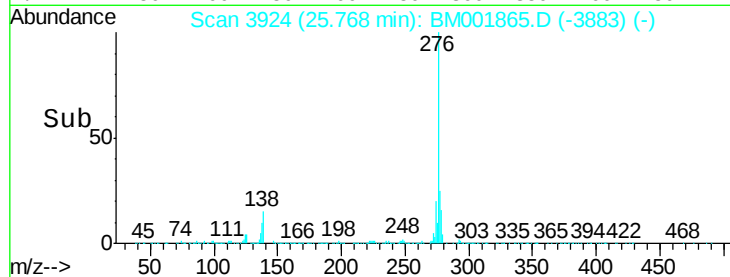
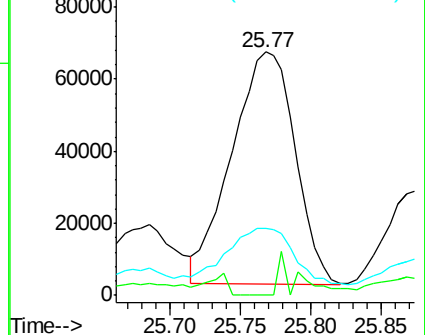
279 27.6 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 42.87 ng/ul

RT: 26.47 min Scan# 4044

Delta R.T. 0.07 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

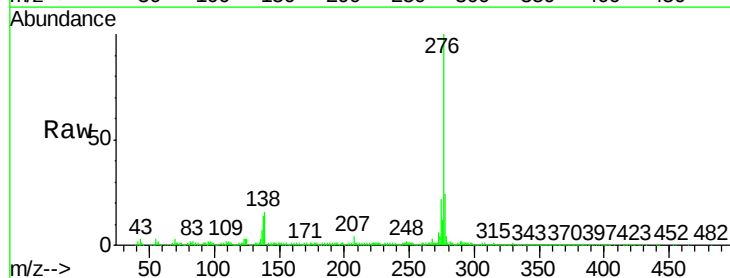
Tgt Ion:276 Resp: 956801

Ion Ratio Lower Upper

276 100

138 15.8 12.6 19.0

277 24.2 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

