

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001857.D
 Acq On : 07 Jul 2015 04:58
 Operator : TP/UM
 Sample : G2860-21 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93K6DL

Quant Time: Jul 07 07:11:35 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	55422	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	218006	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	133250	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	311610	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	380549	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	387282	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	323	0.28	ng/uL	0.00
5) Phenol-d5	6.83	99	9480	2.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	5620	2.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	7884	2.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	7747	2.27	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	3443	2.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	3687	2.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	7802	2.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	9358	2.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	24290	2.46	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	32204	2.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	2492	1.37	ng/ul	0.00
57) Fluorene-d10	15.31	176	24956	2.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	2215	1.16	ng/ul	0.00
70) Anthracene-d10	17.16	188	36238	2.50	ng/ul	0.00
78) Pyrene-d10	19.46	212	42181	2.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	42834	2.51	ng/ul	0.00

Target Compounds

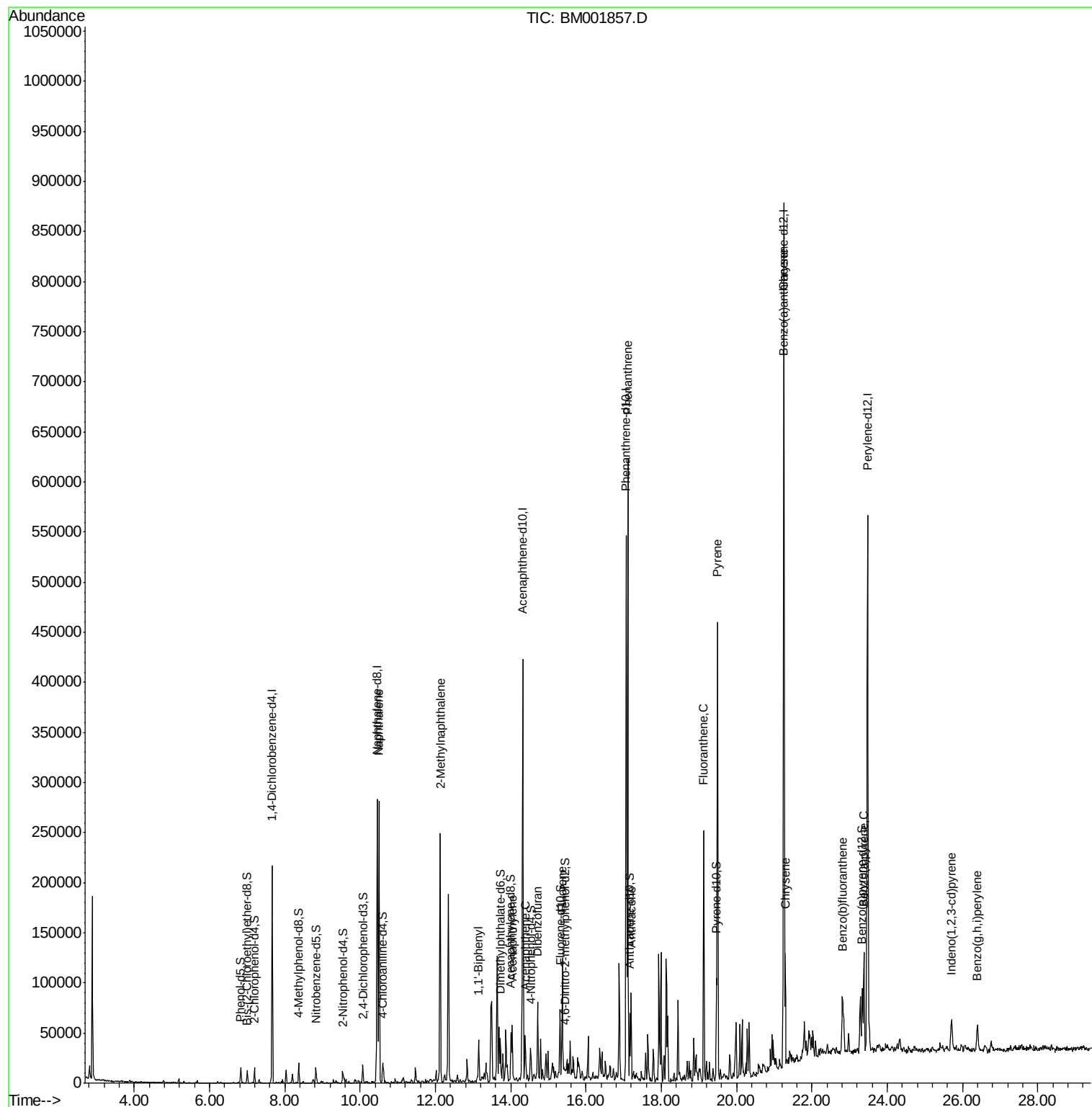
						Qvalue
28) Naphthalene	10.50	128	218779	19.88	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	110621	13.90	ng/ul	99
40) 1,1'-Biphenyl	13.14	154	21959	2.02	ng/ul	96
47) Acenaphthylene	14.04	152	24347	1.84	ng/ul#	95
49) Acenaphthene	14.38	153	19461	2.21	ng/ul	98
53) Dibenzofuran	14.72	168	19105	1.51	ng/ul	93
58) Fluorene	15.37	166	53670	5.10	ng/ul	97
69) Phenanthrene	17.10	178	359164	21.26	ng/ul	99
71) Anthracene	17.20	178	58918	3.40	ng/ul	99
76) Fluoranthene	19.12	202	147402	7.29	ng/ul	99
79) Pyrene	19.49	202	283684	13.44	ng/ul	100
82) Benzo(a)anthracene	21.24	228	77320	3.48	ng/ul	96
84) Chrysene	21.29	228	65277	3.10	ng/ul	97
87) Benzo(b)fluoranthene	22.81	252	79043	3.51	ng/ul#	99
90) Benzo(a)pyrene	23.37	252	75738	3.45	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.71	276	32853	1.26	ng/ul#	92
93) Benzo(g,h,i)perylene	26.39	276	32249	1.47	ng/ul	97

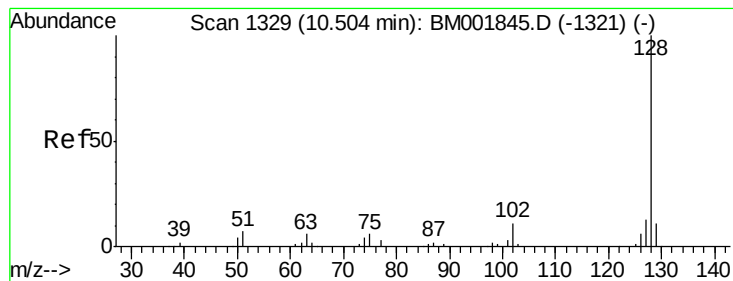
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 19.88 ng/ul

RT: 10.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampleId :

G93K6DL

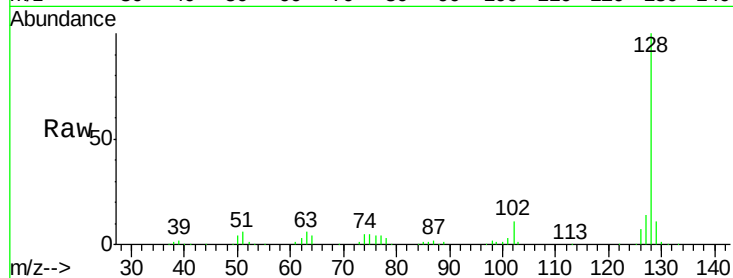
Tgt Ion:128 Resp: 218779

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

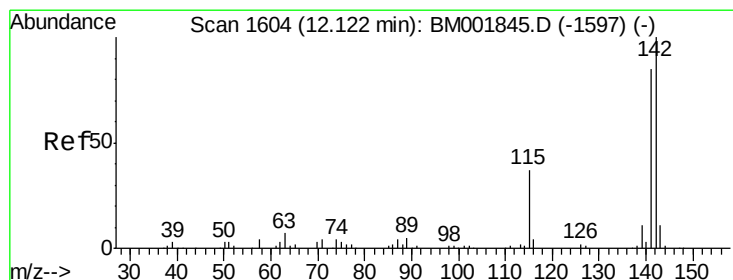
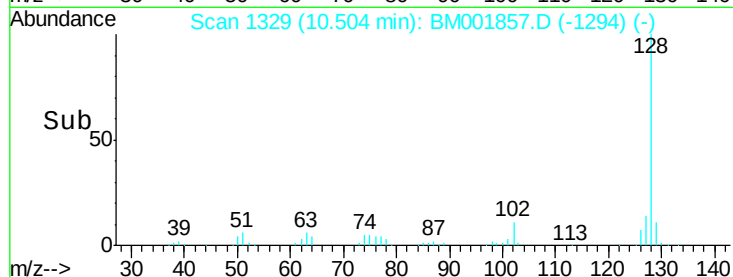
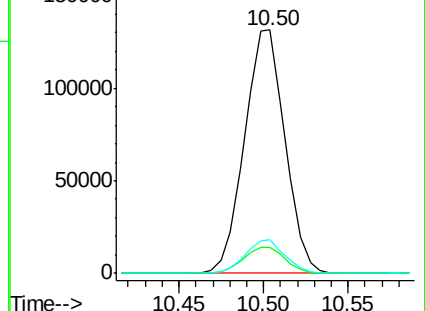
127 13.6 10.0 15.0



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: 13.90 ng/ul

RT: 12.12 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BM001857.D

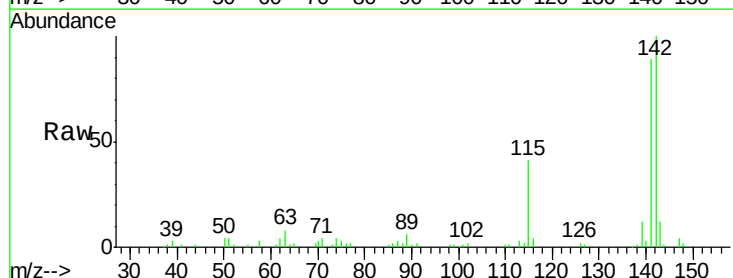
Acq: 07 Jul 2015 04:58

Tgt Ion:142 Resp: 110621

Ion Ratio Lower Upper

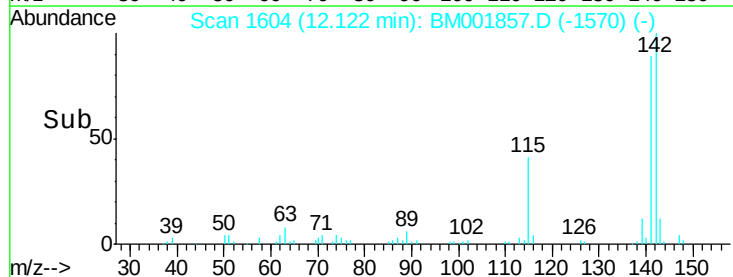
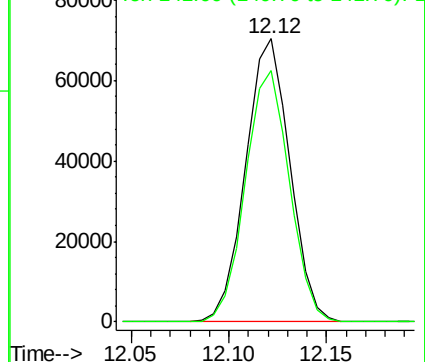
142 100

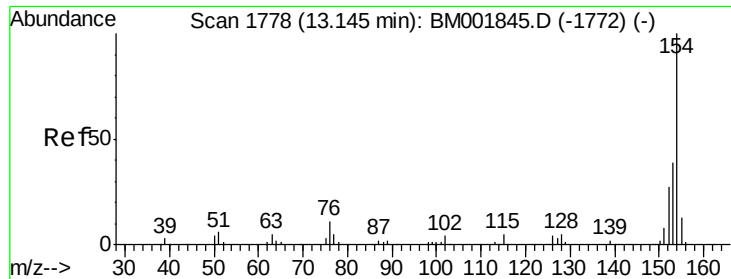
141 89.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

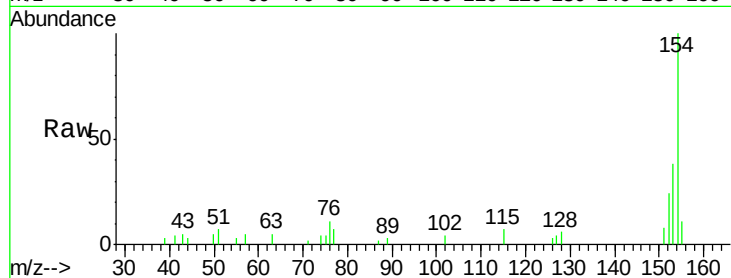




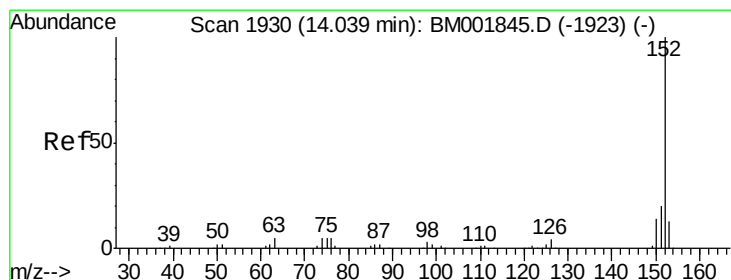
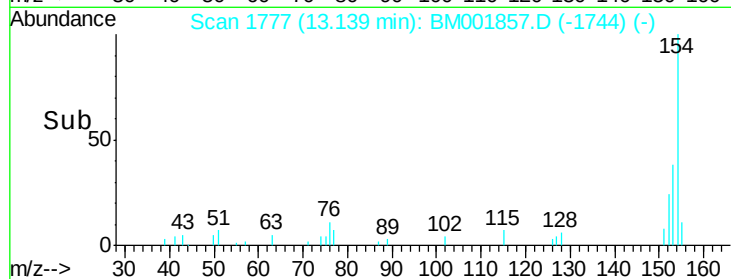
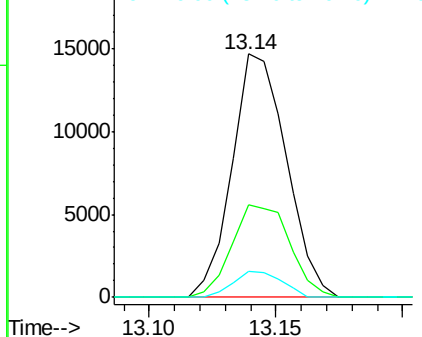
#40
 1,1'-Biphenyl
 Concen: 2.02 ng/ul
 RT: 13.14 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BM001857.D
 Acq: 07 Jul 2015 04:58

Instrument :
 BNA_M
 ClientSampleId :
 G93K6DL

Tgt Ion:	154	Resp:	21959
Ion	Ratio	Lower	Upper
154	100		
153	37.9	32.5	48.7
76	10.7	9.0	13.6

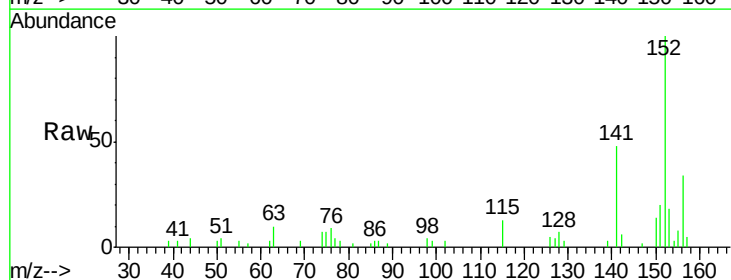


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

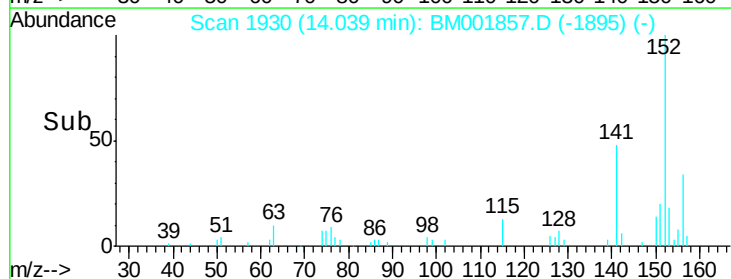
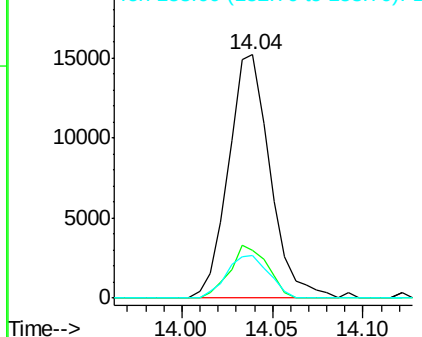


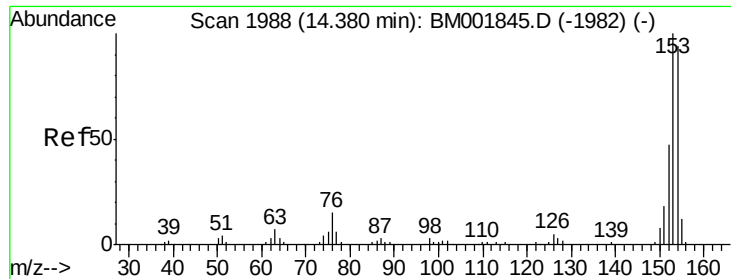
#47
 Acenaphthylene
 Concen: 1.84 ng/ul
 RT: 14.04 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: BM001857.D
 Acq: 07 Jul 2015 04:58

Tgt Ion:	152	Resp:	24347
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	17.7	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: 2.21 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampleId :

G93K6DL

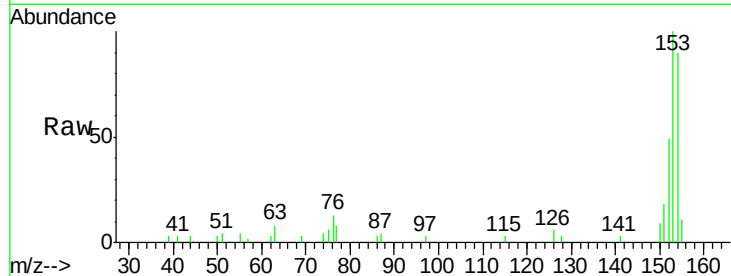
Tgt Ion:153 Resp: 19461

Ion Ratio Lower Upper

153 100

152 48.8 36.6 55.0

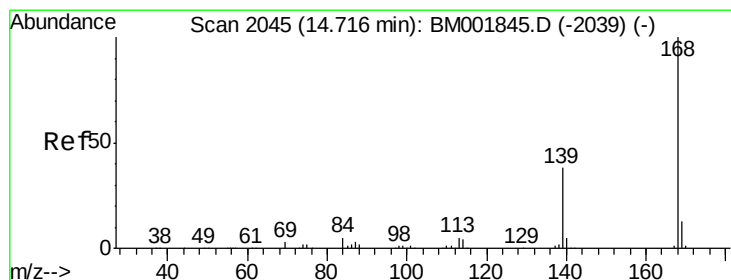
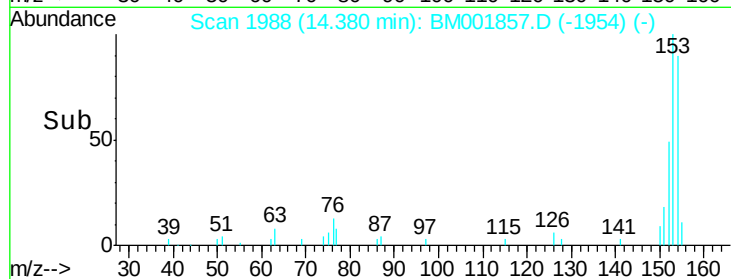
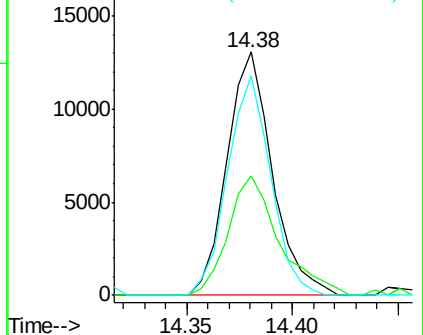
154 90.1 72.6 108.8



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: 1.51 ng/ul

RT: 14.72 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001857.D

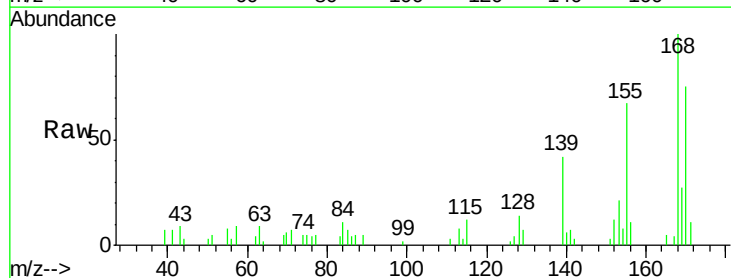
Acq: 07 Jul 2015 04:58

Tgt Ion:168 Resp: 19105

Ion Ratio Lower Upper

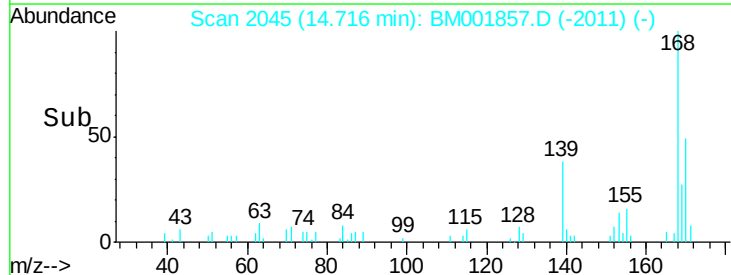
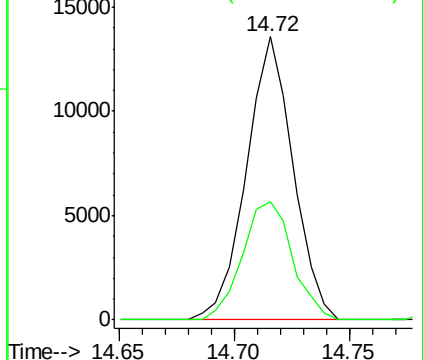
168 100

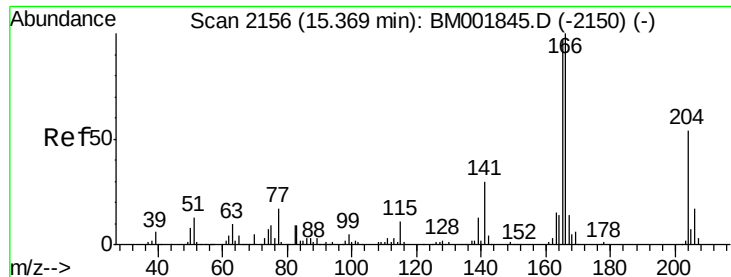
139 41.9 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.10 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampleId :

G93K6DL

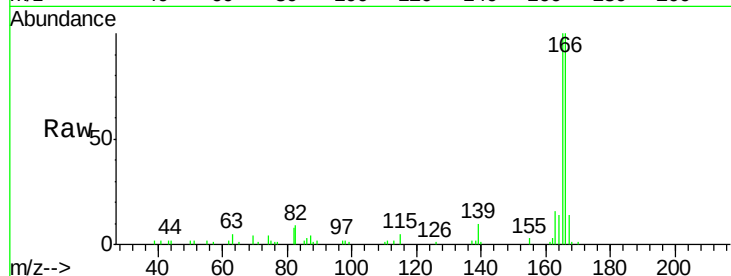
Tgt Ion:166 Resp: 53670

Ion Ratio Lower Upper

166 100

165 100.1 77.4 116.2

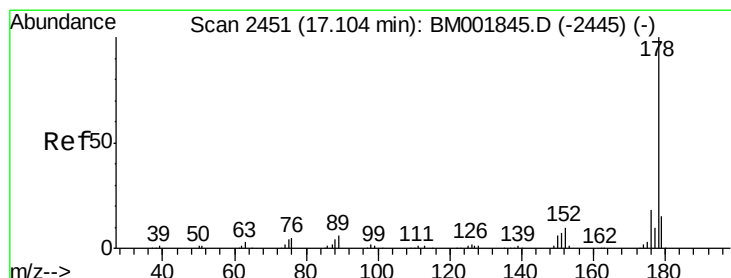
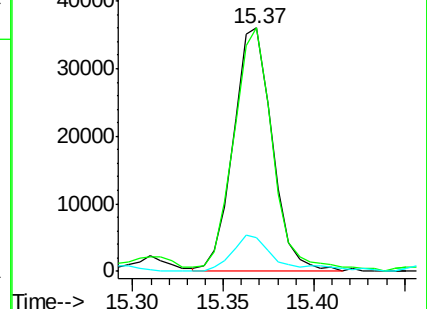
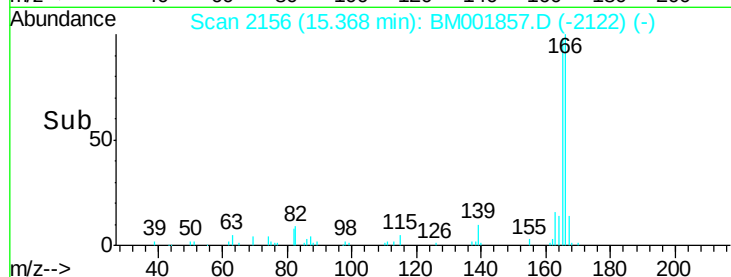
167 13.9 11.3 16.9



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



#69

Phenanthrene

Concen: 21.26 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

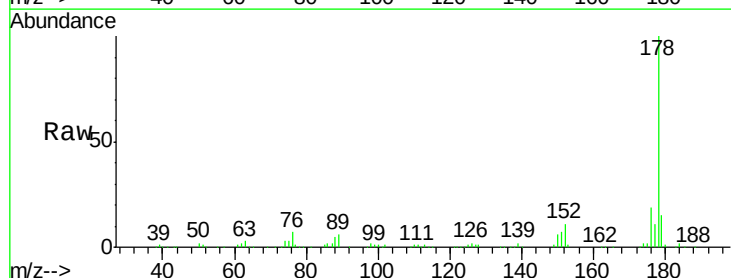
Tgt Ion:178 Resp: 359164

Ion Ratio Lower Upper

178 100

179 15.4 11.9 17.9

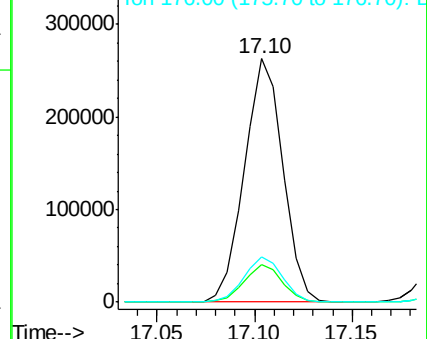
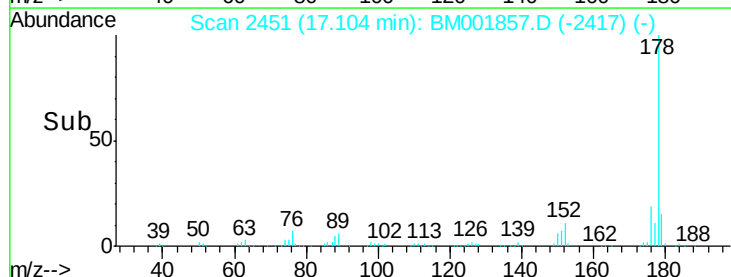
176 18.8 15.2 22.8

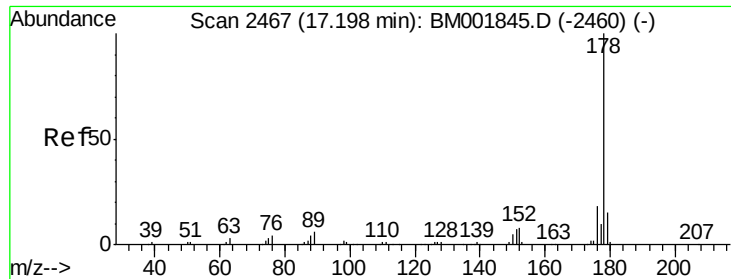


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

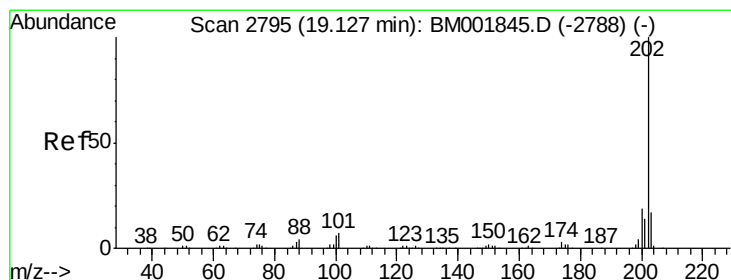
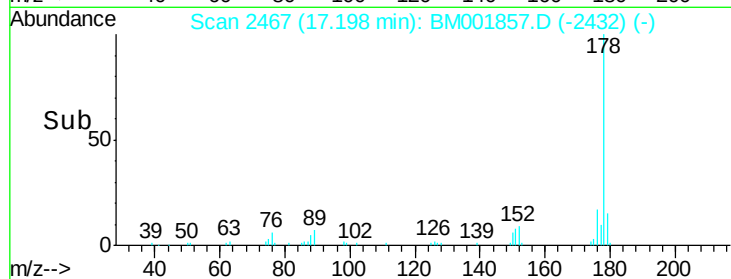
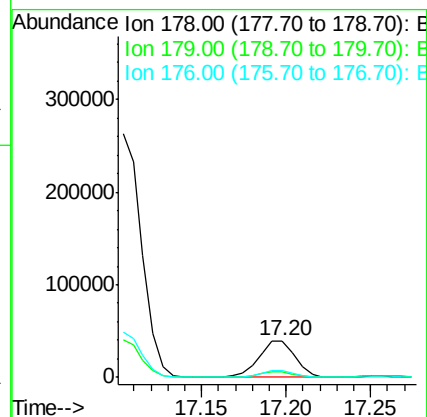
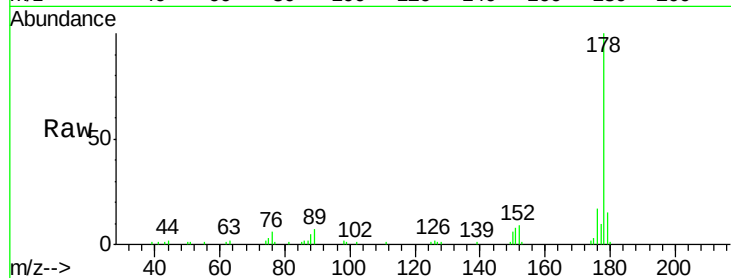




#71
 Anthracene
 Concen: 3.40 ng/ul
 RT: 17.20 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BM001857.D
 Acq: 07 Jul 2015 04:58

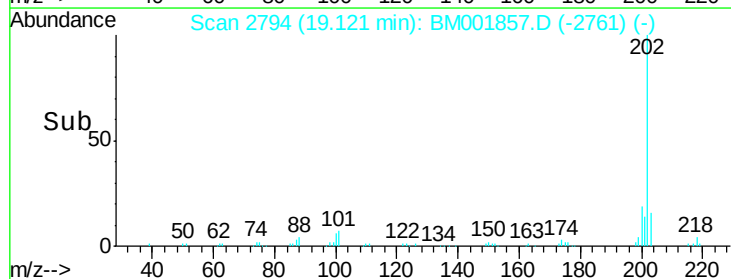
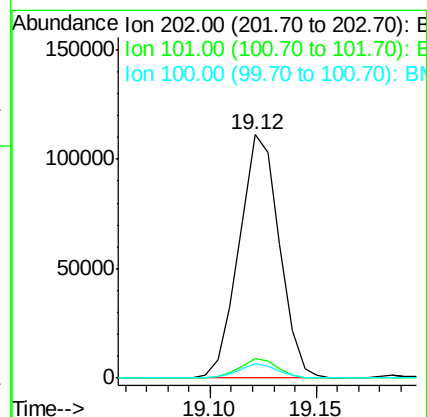
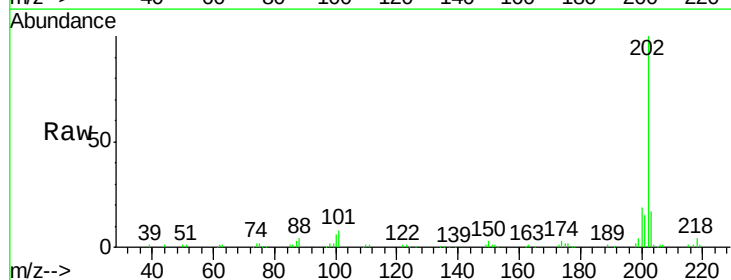
Instrument :
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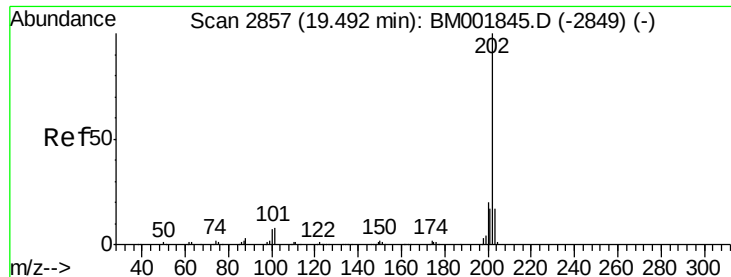
Tgt Ion:178 Resp: 58918
 Ion Ratio Lower Upper
 178 100
 179 14.8 11.8 17.8
 176 17.2 14.4 21.6



#76
 Fluoranthene
 Concen: 7.29 ng/ul
 RT: 19.12 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BM001857.D
 Acq: 07 Jul 2015 04:58

Tgt Ion:202 Resp: 147402
 Ion Ratio Lower Upper
 202 100
 101 7.9 6.1 9.1
 100 5.9 4.8 7.2





#79

Pyrene

Concen: 13.44 ng/ul

RT: 19.49 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampleId :

G93K6DL

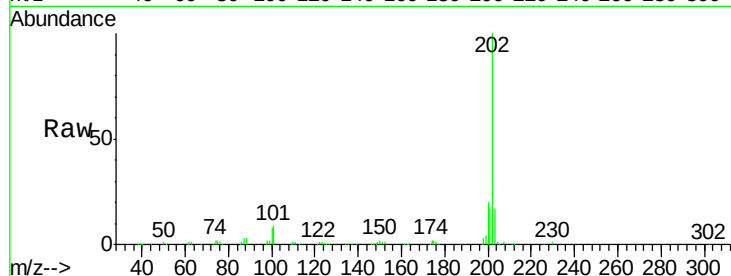
Tgt Ion:202 Resp: 283684

Ion Ratio Lower Upper

202 100

101 8.6 6.9 10.3

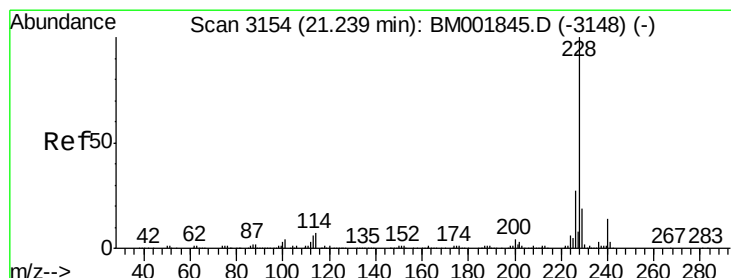
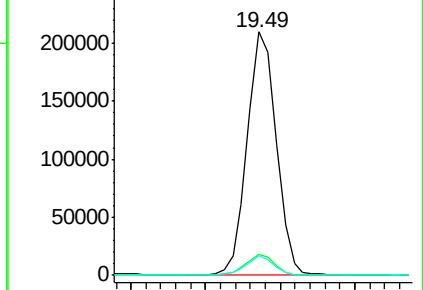
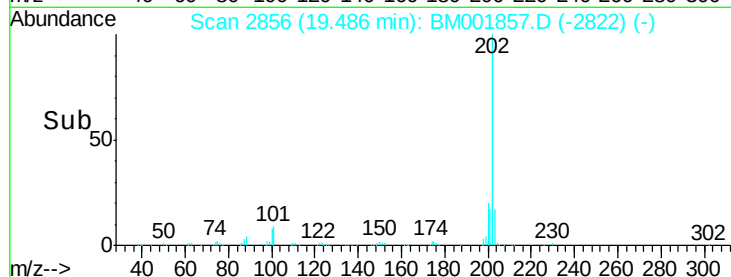
100 7.8 6.2 9.2



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: 3.48 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

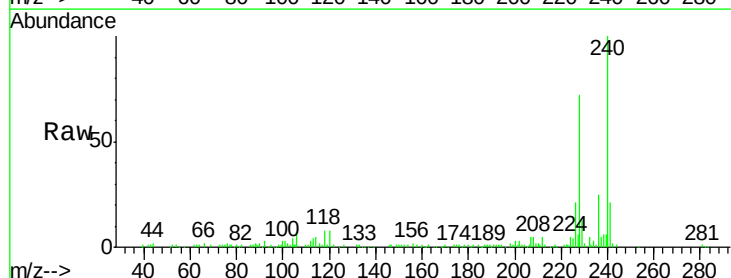
Tgt Ion:228 Resp: 77320

Ion Ratio Lower Upper

228 100

229 18.2 15.4 23.0

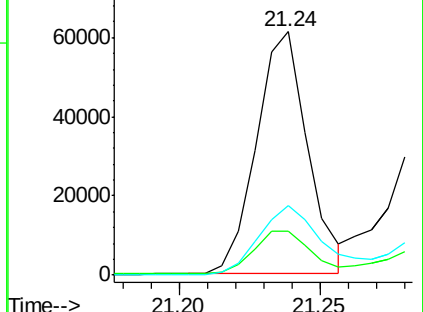
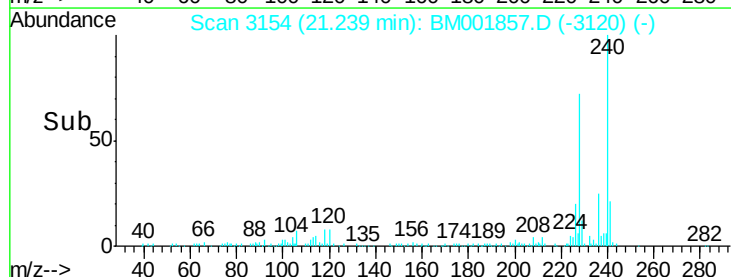
226 28.7 20.6 30.8

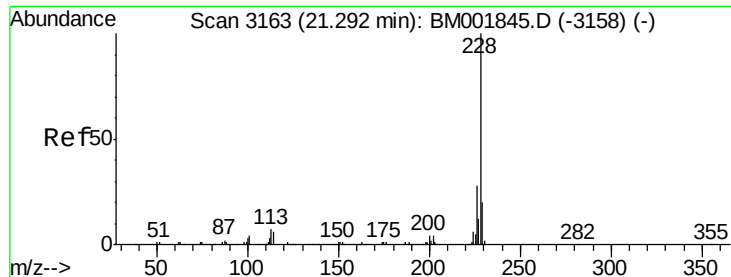


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 3.10 ng/ul

RT: 21.29 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

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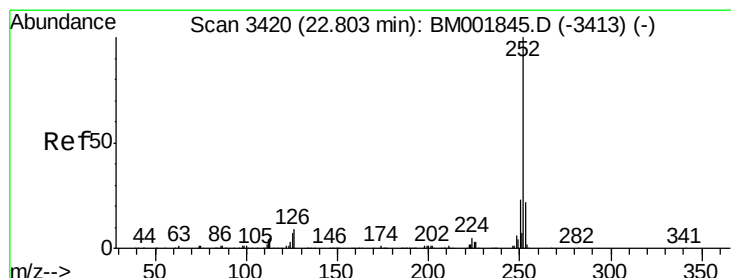
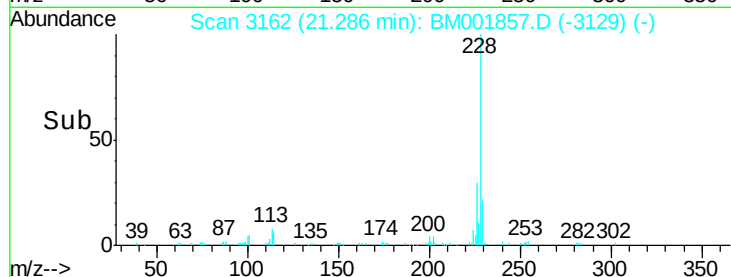
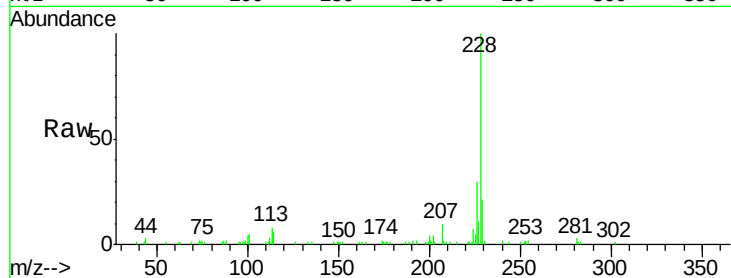
Tgt Ion:228 Resp: 65277

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.4

229 21.2 15.4 23.2



#87

Benzo(b)fluoranthene

Concen: 3.51 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

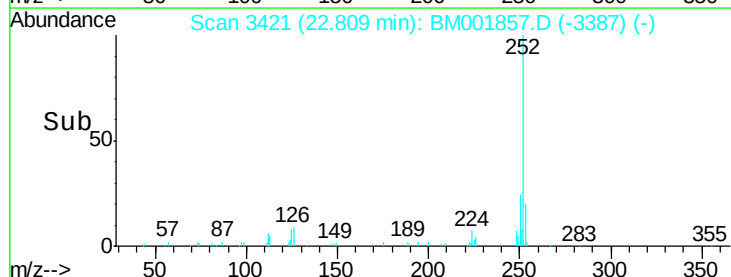
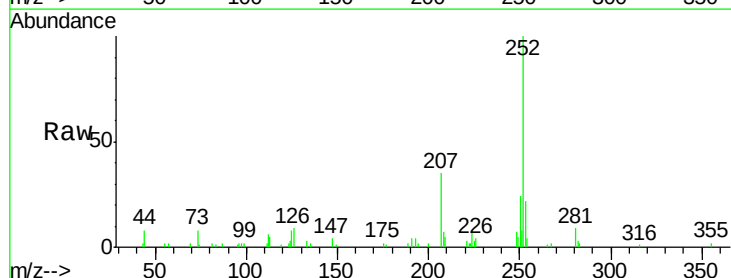
Tgt Ion:252 Resp: 79043

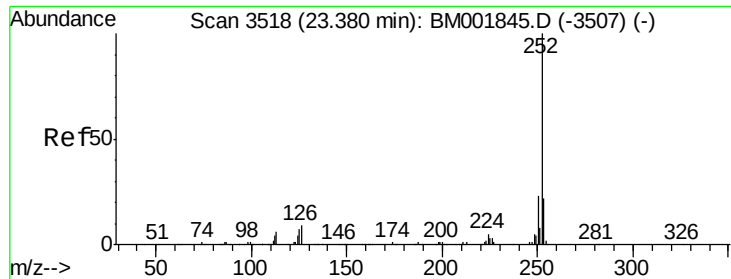
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 8.1 5.3 7.9#





#90

Benzo(a)pyrene

Concen: 3.45 ng/ul

RT: 23.37 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampled :

G93K6DL

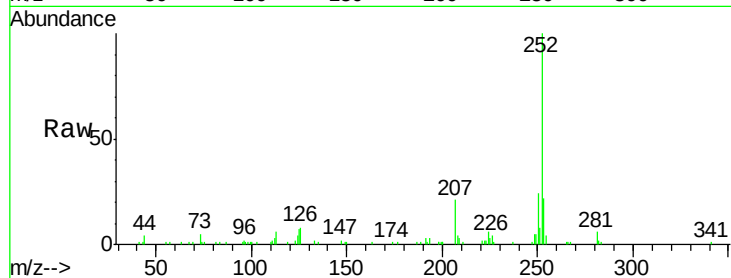
Tgt Ion:252 Resp: 75738

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

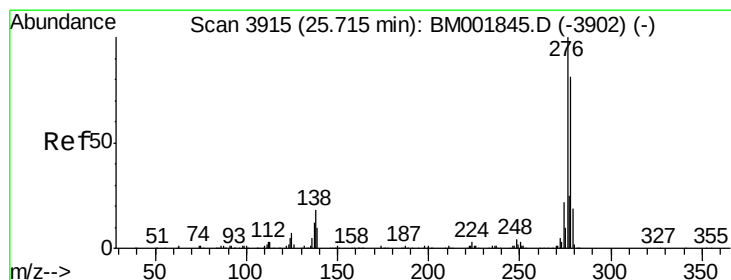
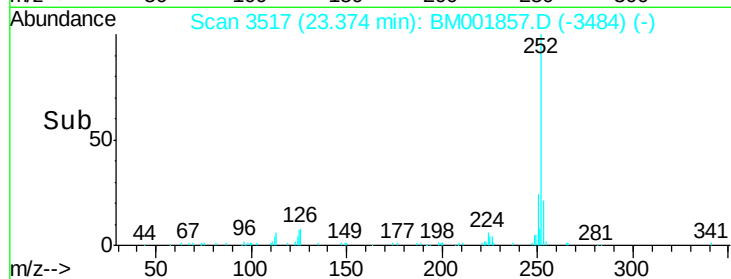
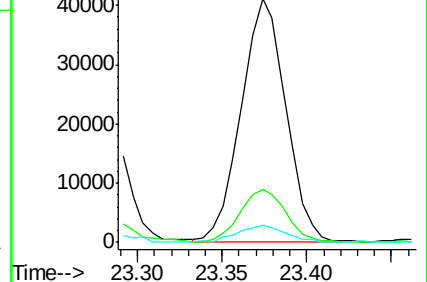
125 7.2 6.0 9.0



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: 1.26 ng/ul

RT: 25.71 min Scan# 3914

Delta R.T. 0.00 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

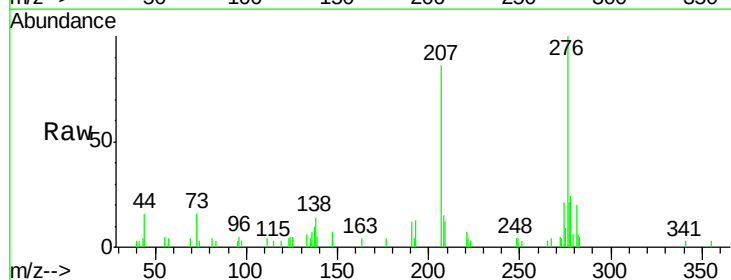
Tgt Ion:276 Resp: 32853

Ion Ratio Lower Upper

276 100

138 14.1 14.7 22.1#

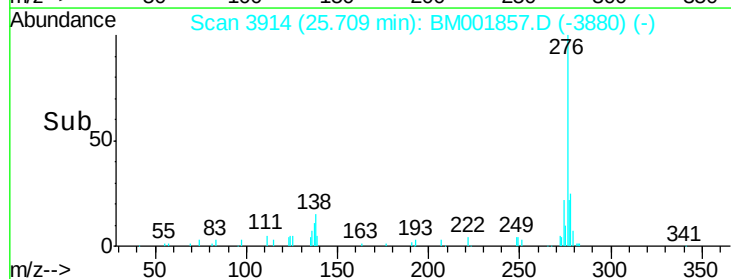
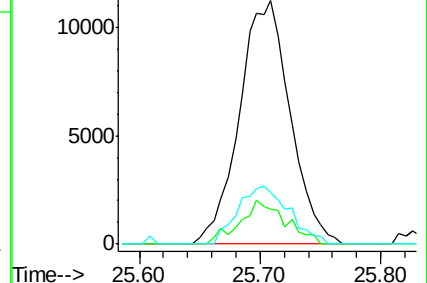
277 21.1 19.7 29.5

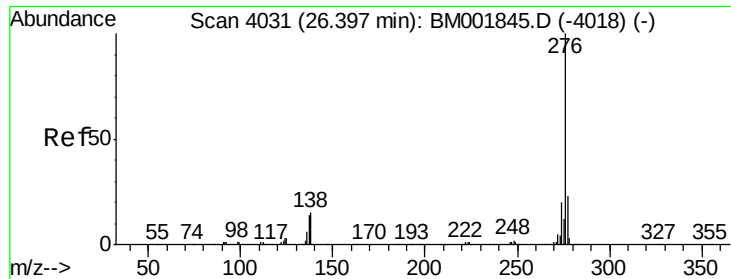


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.47 ng/ul

RT: 26.39 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM001857.D

Acq: 07 Jul 2015 04:58

Instrument :

BNA_M

ClientSampleId :

G93K6DL

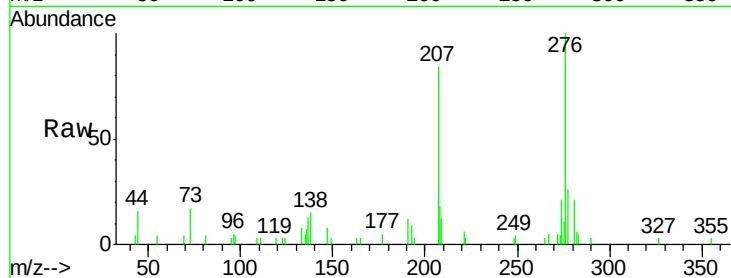
Tgt Ion: 276 Resp: 32249

Ion Ratio Lower Upper

276 100

138 15.2 12.6 19.0

277 25.7 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

