

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001852.D
 Acq On : 07 Jul 2015 01:54
 Operator : TP/UM
 Sample : G2861-05 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L1DL

Quant Time: Jul 07 07:10:32 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	59874	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	231457	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	138053	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	316596	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	375254	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	382135	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	3228	0.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	2196	0.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	2653	0.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	2556	0.69	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	927	0.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	1123	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	2587	0.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	1187	0.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	8356	0.82	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	9892	0.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	480	0.25	ng/ul	0.01
57) Fluorene-d10	15.31	176	8456	0.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	478	0.25	ng/ul	0.00
70) Anthracene-d10	17.16	188	13072	0.89	ng/ul	0.00
78) Pyrene-d10	19.46	212	14368	0.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	14945	0.89	ng/ul	0.00

Target Compounds

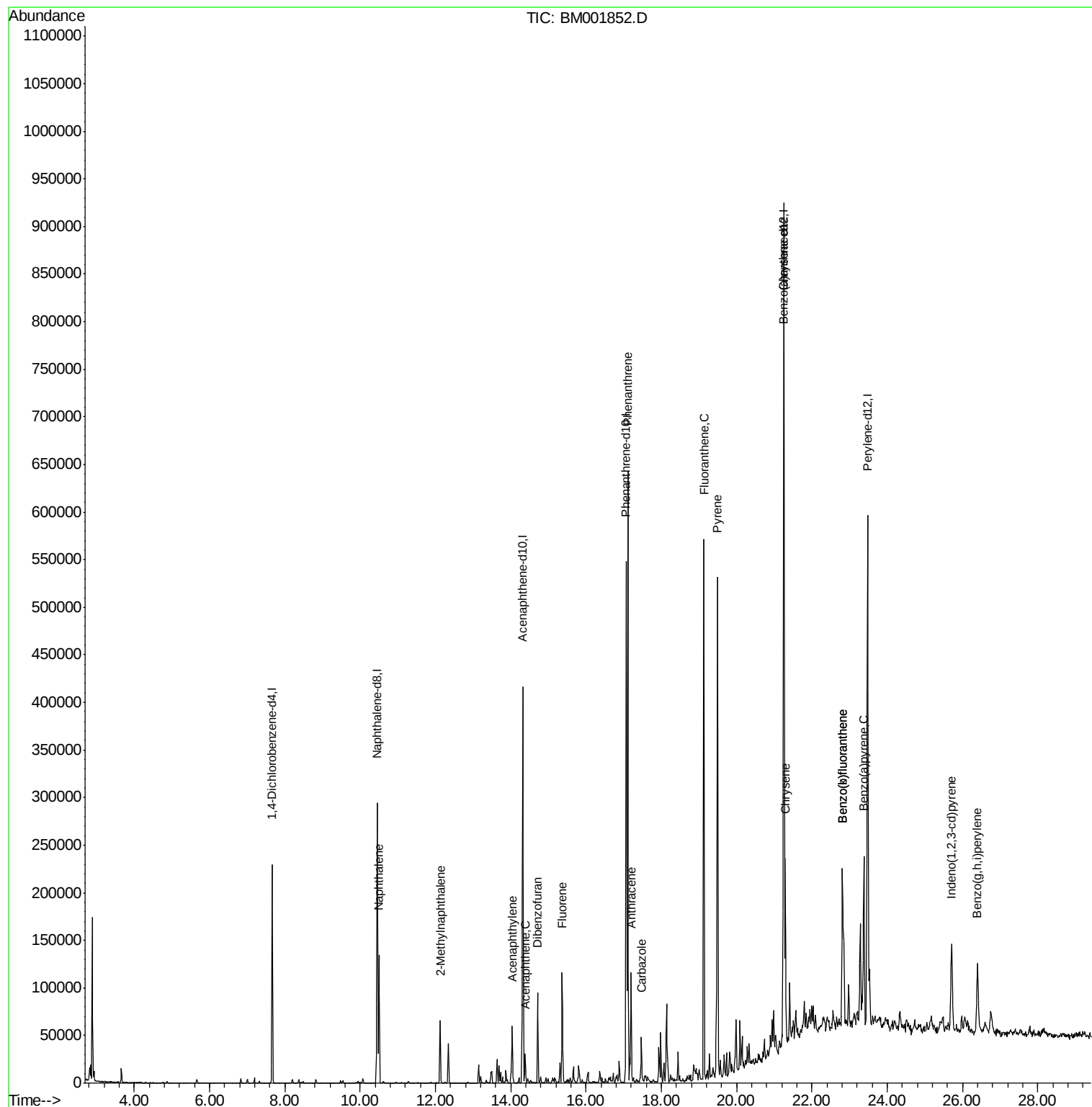
						Qvalue
28) Naphthalene	10.50	128	108467	9.28	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	31572	3.74	ng/ul	98
47) Acenaphthylene	14.03	152	41333	3.02	ng/ul#	97
49) Acenaphthene	14.38	153	13248	1.45	ng/ul	91
53) Dibenzofuran	14.72	168	52440	4.01	ng/ul	97
58) Fluorene	15.36	166	52982	4.86	ng/ul	96
69) Phenanthrene	17.10	178	379229	22.09	ng/ul	98
71) Anthracene	17.19	178	73912	4.19	ng/ul	97
74) Carbazole	17.47	167	30269	1.96	ng/ul	99
76) Fluoranthene	19.13	202	355692	17.32	ng/ul	98
79) Pyrene	19.49	202	317377	15.24	ng/ul	99
82) Benzo(a)anthracene	21.24	228	121027	5.52	ng/ul	96
84) Chrysene	21.29	228	110608	5.32	ng/ul	96
87) Benzo(b)fluoranthene	22.81	252	156373	7.03	ng/ul#	97
88) Benzo(k)fluoranthene	22.81	252	54035	2.51	ng/ul#	96
90) Benzo(a)pyrene	23.37	252	124685	5.76	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.71	276	95126	3.71	ng/ul	97
93) Benzo(g,h,i)perylene	26.39	276	90429	4.19	ng/ul	99

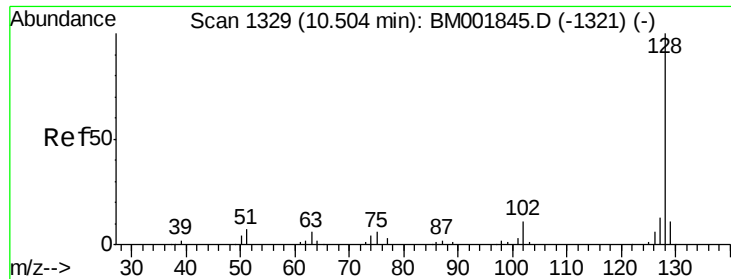
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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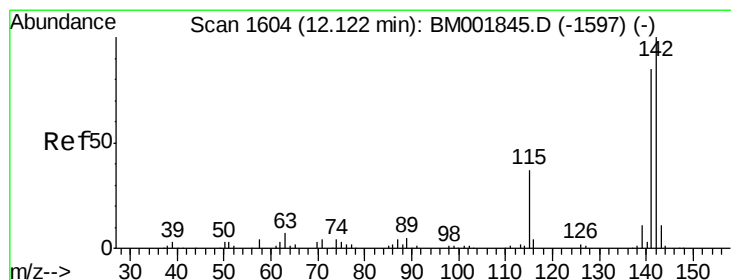
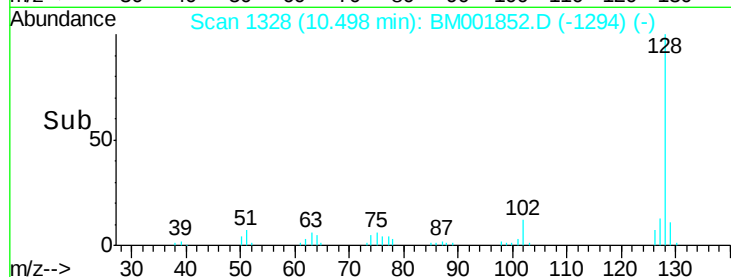
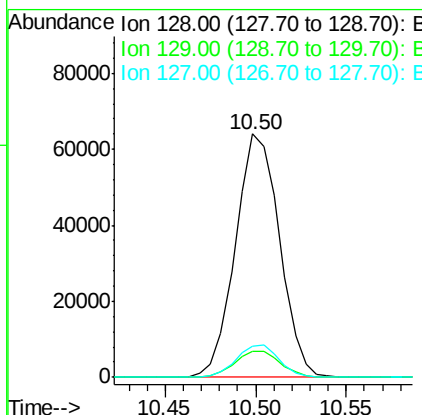
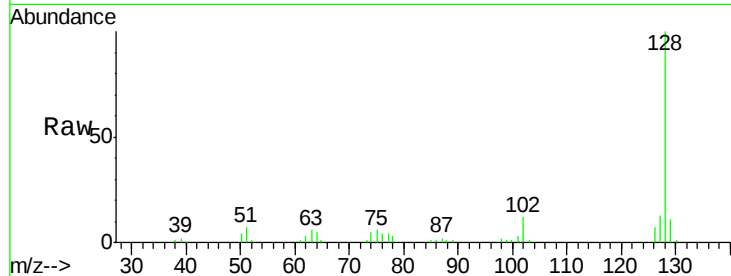




#28
Naphthalene
Concen: 9.28 ng/ul
RT: 10.50 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

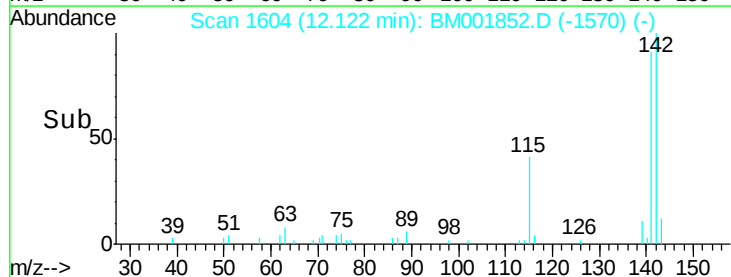
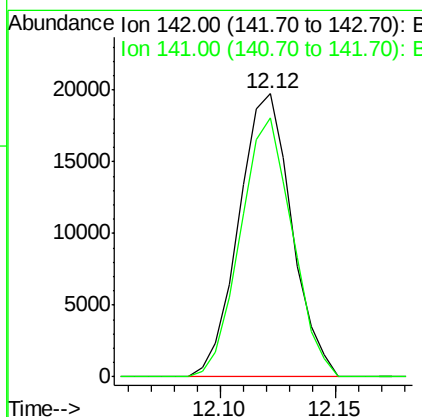
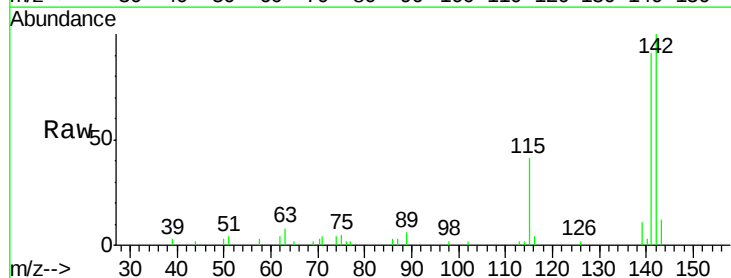
Instrument :
BNA_M
ClientSampleId :
G93L1DL

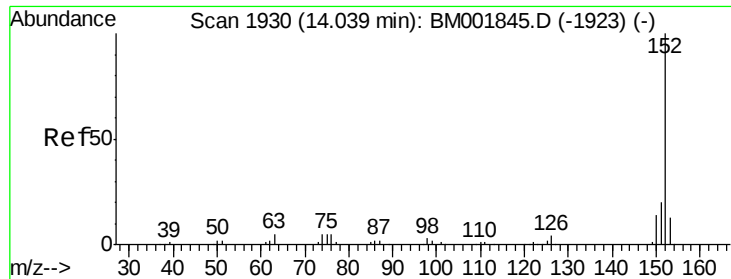
Tgt Ion:128 Resp: 108467
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 12.9 10.0 15.0



#34
2-Methylnaphthalene
Concen: 3.74 ng/ul
RT: 12.12 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

Tgt Ion:142 Resp: 31572
Ion Ratio Lower Upper
142 100
141 91.4 71.6 107.4





#47

Acenaphthylene

Concen: 3.02 ng/ul

RT: 14.03 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

Instrument :

BNA_M

ClientSampleId :

G93L1DL

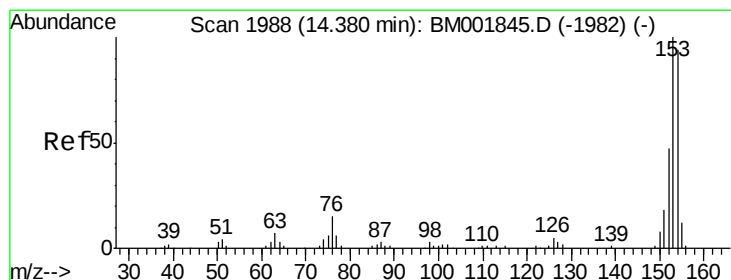
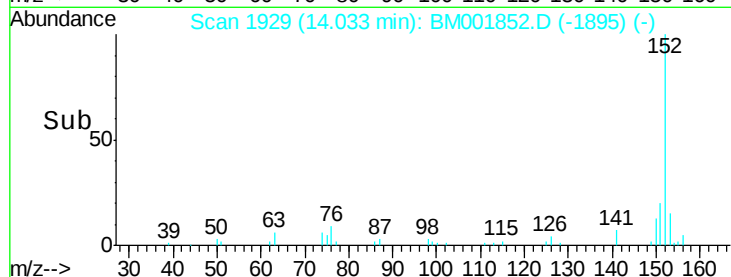
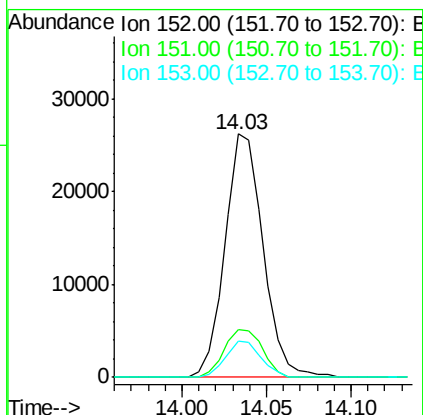
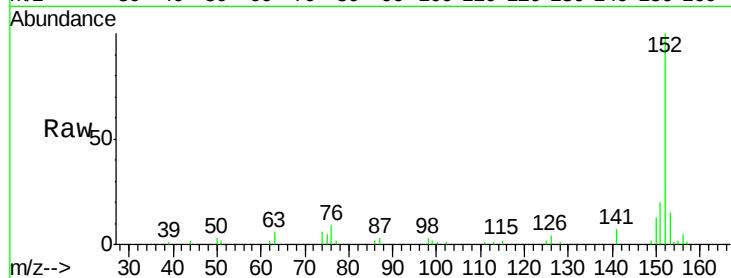
Tgt Ion:152 Resp: 41333

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 15.1 10.0 15.0#



#49

Acenaphthene

Concen: 1.45 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

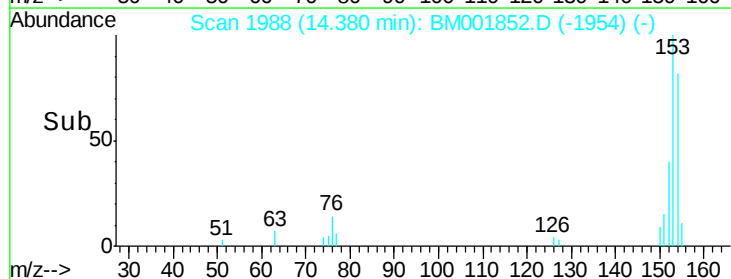
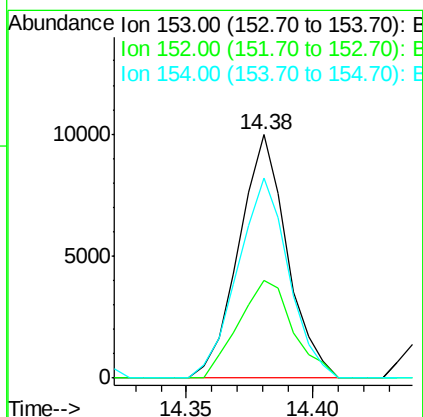
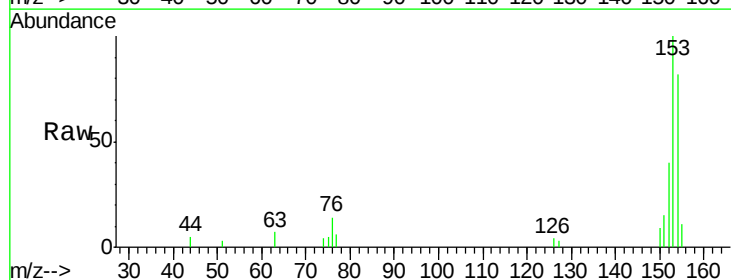
Tgt Ion:153 Resp: 13248

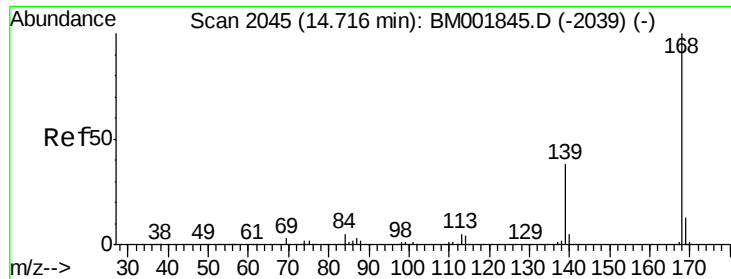
Ion Ratio Lower Upper

153 100

152 40.2 36.6 55.0

154 82.0 72.6 108.8

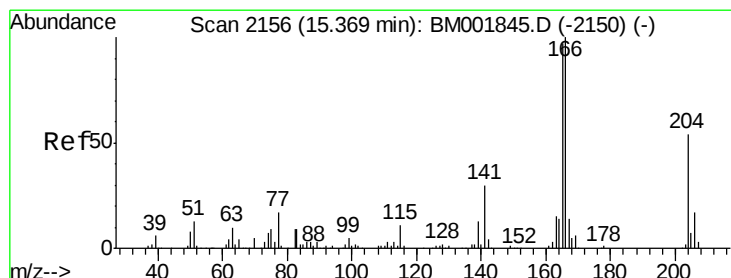
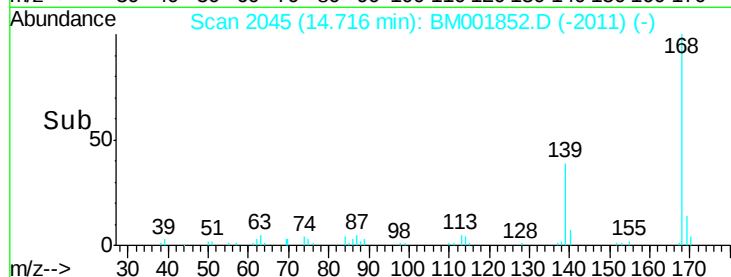
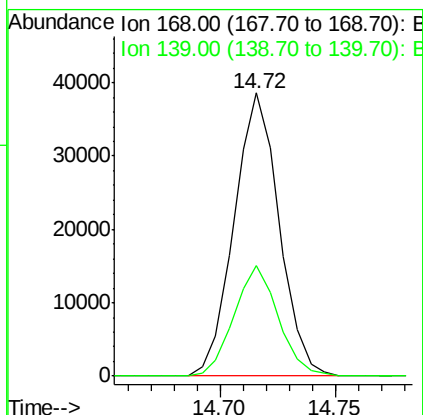
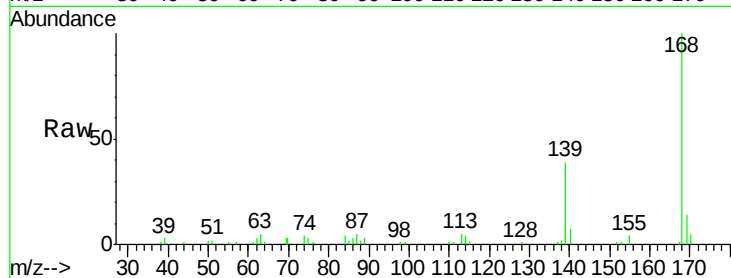




#53
Dibenzenofuran
Concen: 4.01 ng/ul
RT: 14.72 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

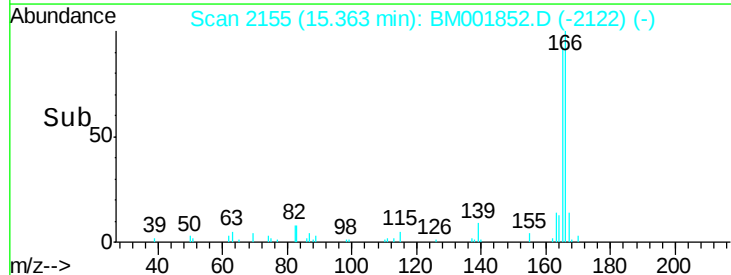
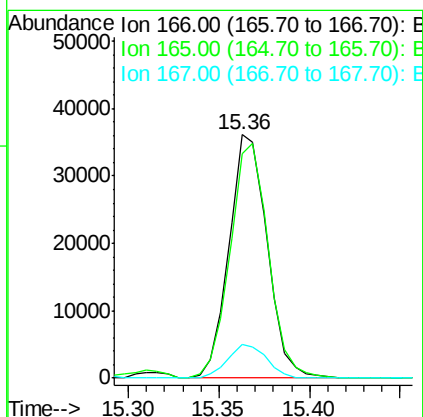
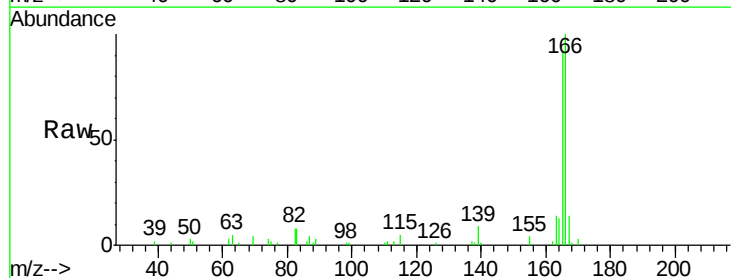
Instrument :
BNA_M
ClientSampleId :
G93L1DL

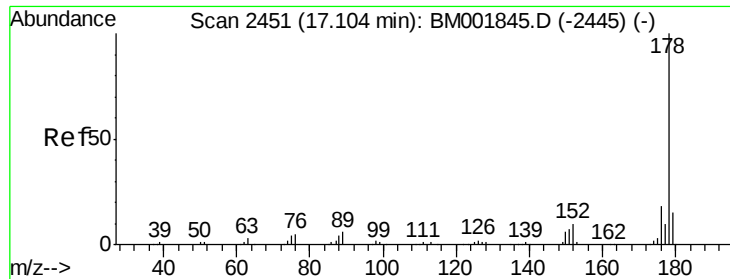
Tgt Ion:168 Resp: 52440
Ion Ratio Lower Upper
168 100
139 39.2 30.1 45.1



#58
Fluorene
Concen: 4.86 ng/ul
RT: 15.36 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

Tgt Ion:166 Resp: 52982
Ion Ratio Lower Upper
166 100
165 92.1 77.4 116.2
167 13.9 11.3 16.9





#69

Phenanthrene

Concen: 22.09 ng/u1

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

Instrument :

BNA_M

ClientSampleId :

G93L1DL

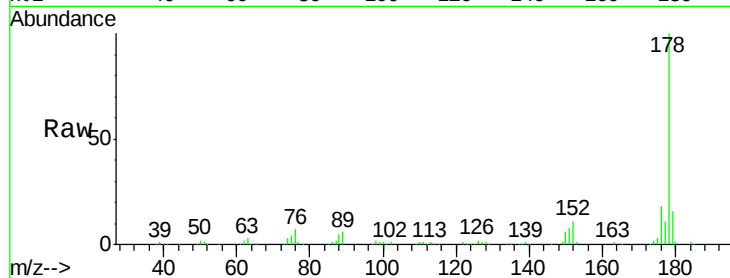
Tgt Ion:178 Resp: 379229

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

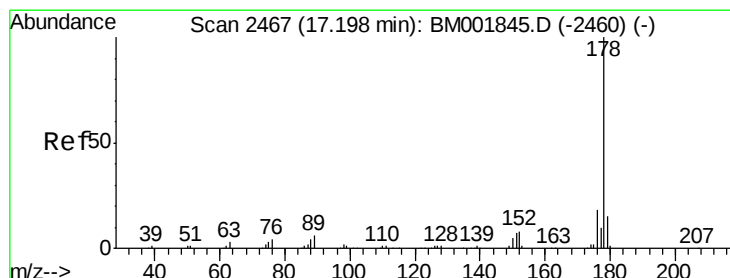
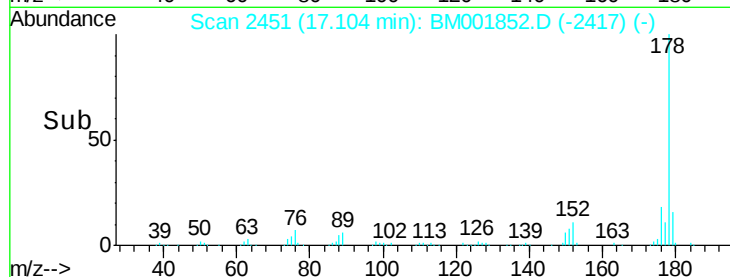
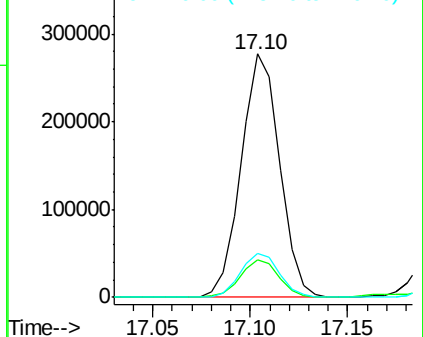
176 18.2 15.2 22.8



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: 4.19 ng/u1

RT: 17.19 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

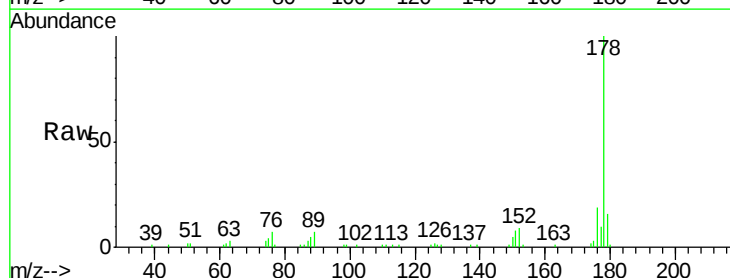
Tgt Ion:178 Resp: 73912

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

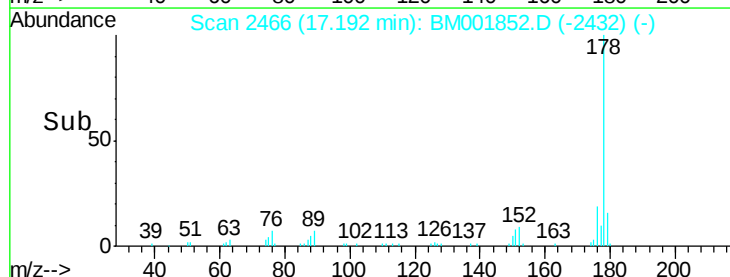
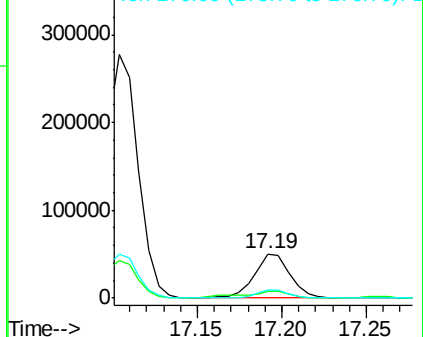
176 18.7 14.4 21.6

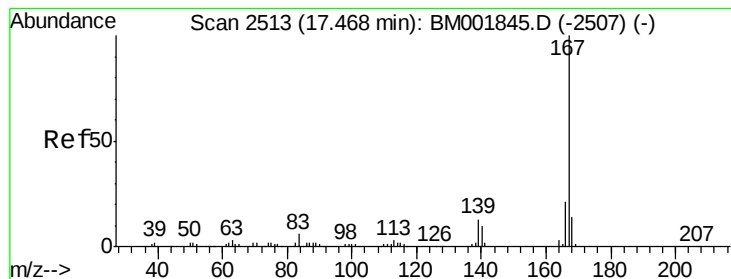


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.96 ng/ul

RT: 17.47 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BM001852.D

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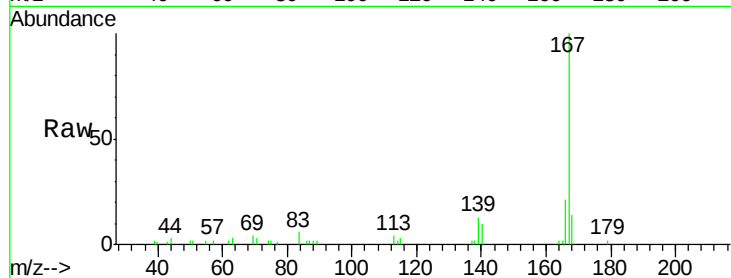
Tgt Ion:167 Resp: 30269

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.2

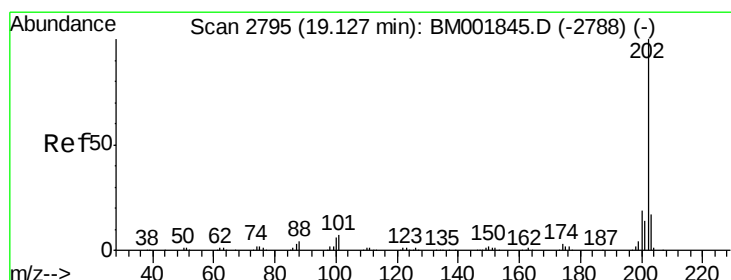
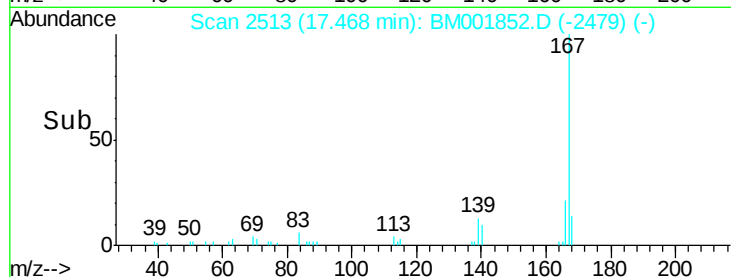
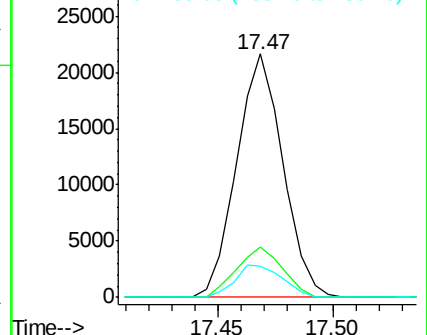
139 12.6 10.1 15.1



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: 17.32 ng/ul

RT: 19.13 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

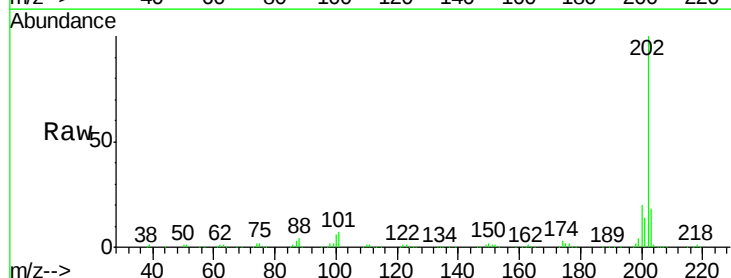
Tgt Ion:202 Resp: 355692

Ion Ratio Lower Upper

202 100

101 6.6 6.1 9.1

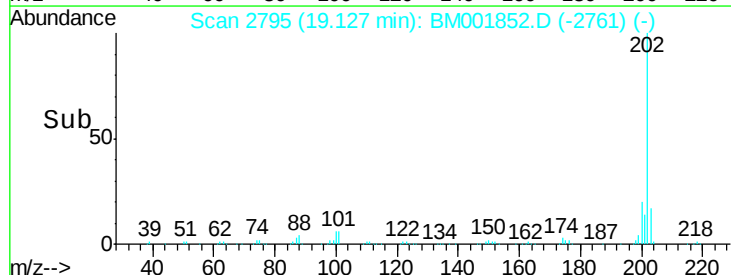
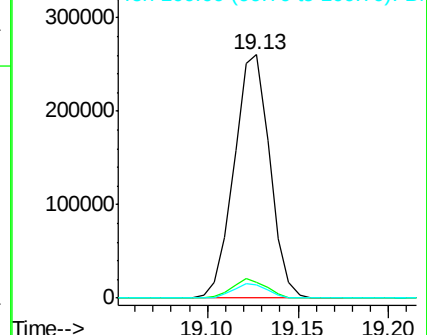
100 5.7 4.8 7.2

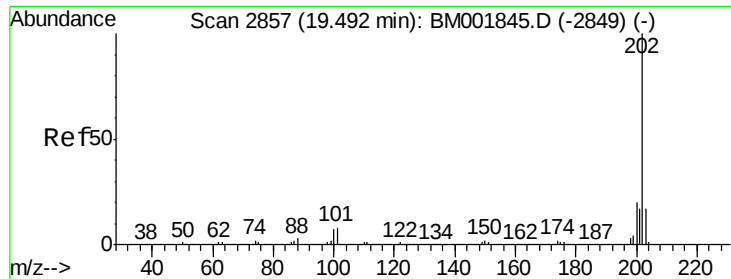


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 15.24 ng/ul

RT: 19.49 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM001852.D

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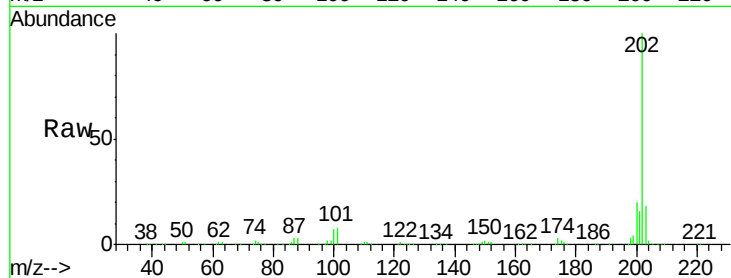
Tgt Ion:202 Resp: 317377

Ion Ratio Lower Upper

202 100

101 8.3 6.9 10.3

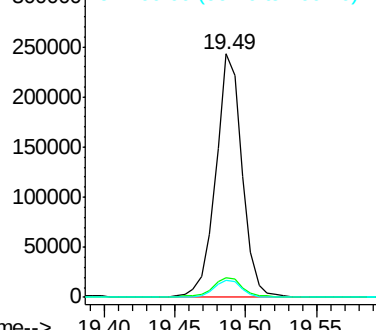
100 7.1 6.2 9.2



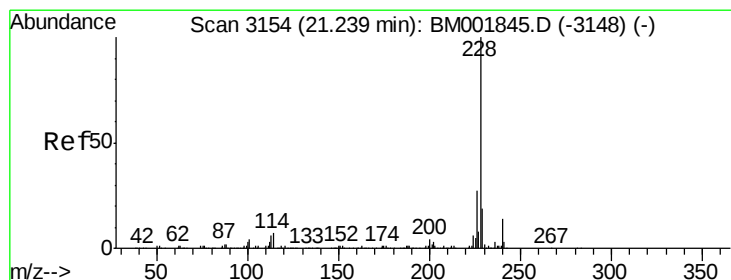
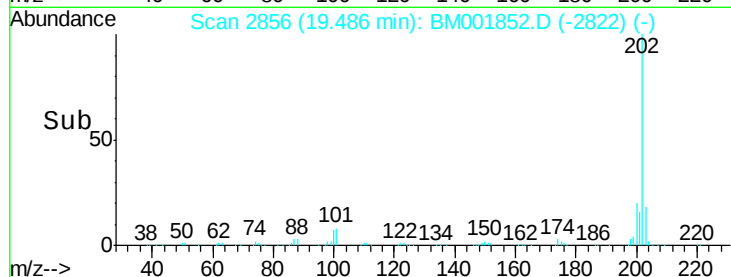
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.40 19.45 19.50 19.55



#82

Benzo(a)anthracene

Concen: 5.52 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

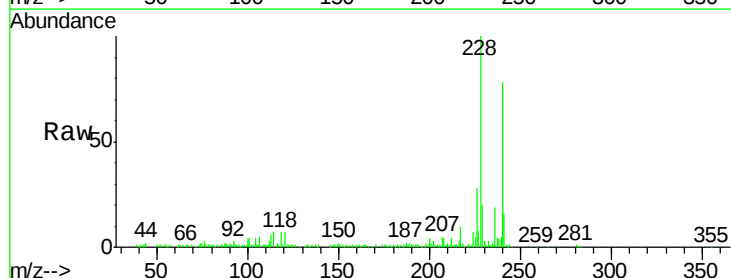
Tgt Ion:228 Resp: 121027

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

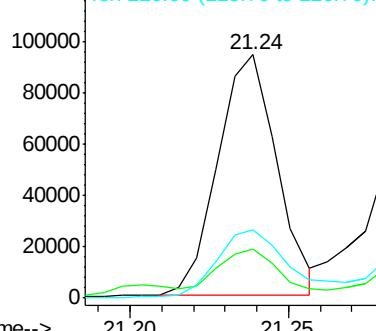
226 28.3 20.6 30.8



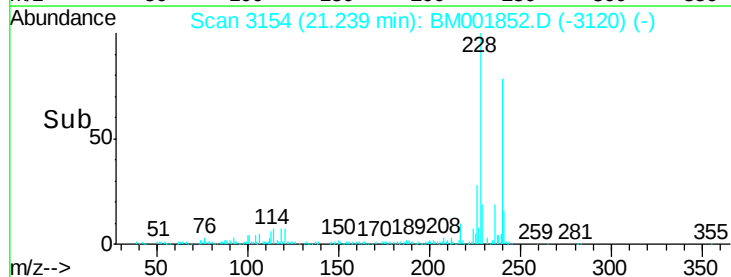
Abundance Ion 228.00 (227.70 to 228.70): E

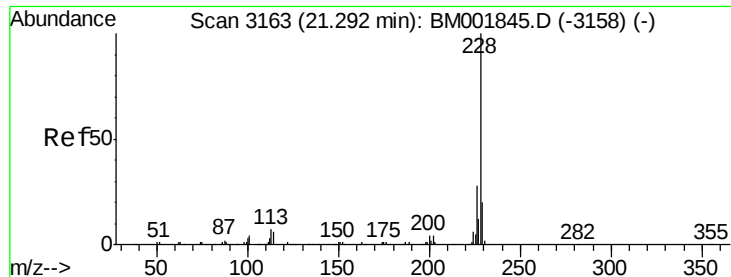
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time--> 21.20 21.25





#84

Chrysene

Concen: 5.32 ng/ul

RT: 21.29 min Scan# 3162

Delta R.T. -0.01 min

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Acq: 07 Jul 2015 01:54

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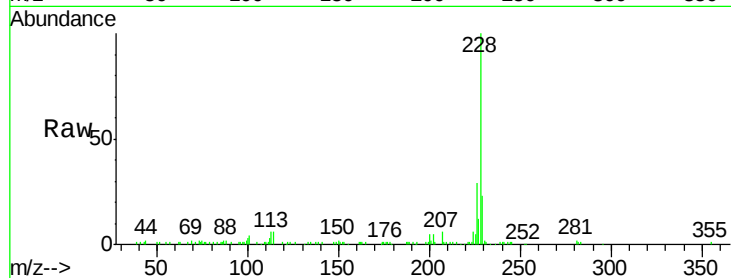
Tgt Ion:228 Resp: 110608

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

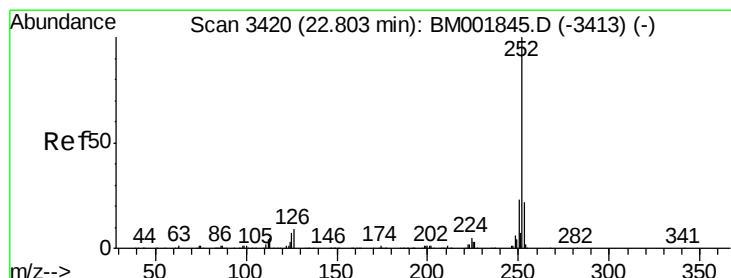
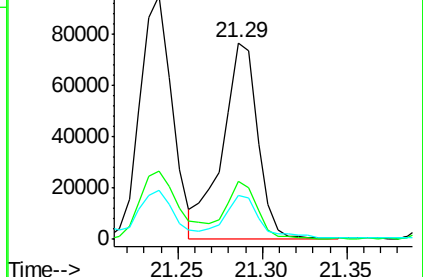
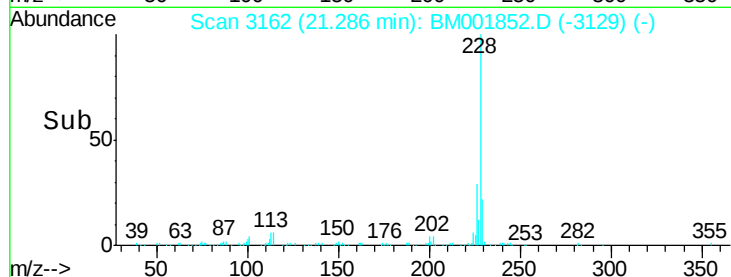
229 22.7 15.4 23.2



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: 7.03 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM001852.D

Acq: 07 Jul 2015 01:54

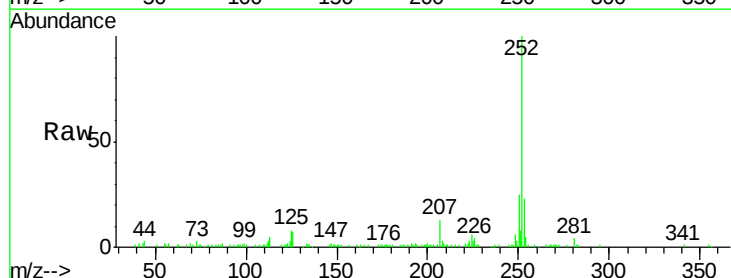
Tgt Ion:252 Resp: 156373

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

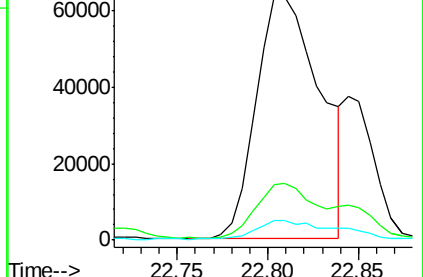
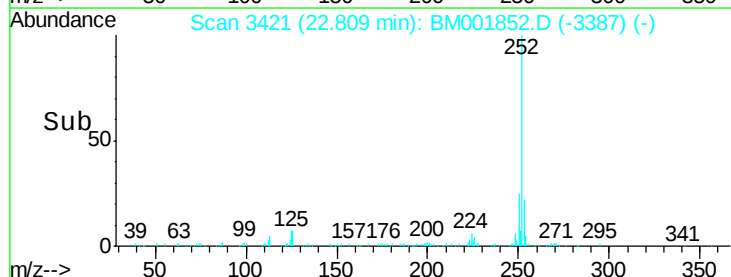
125 8.0 5.3 7.9#

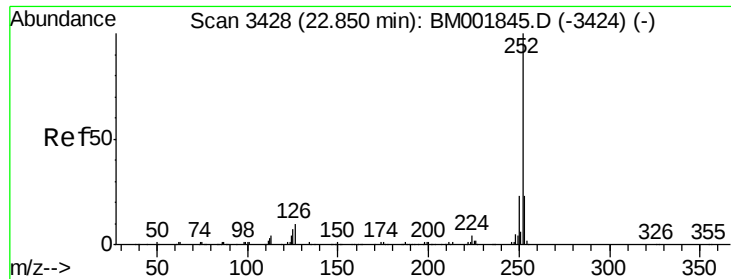


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

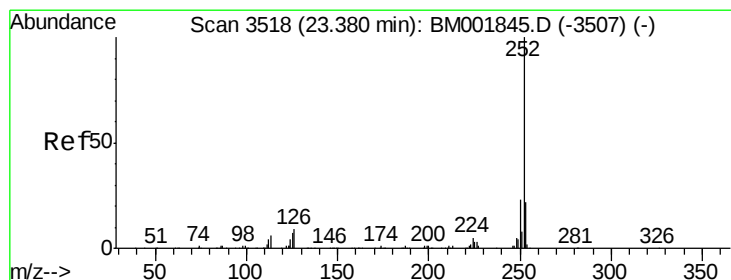
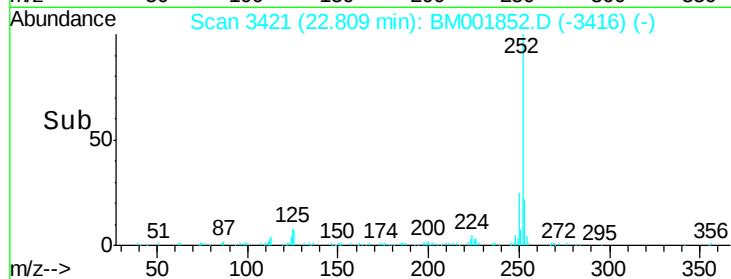
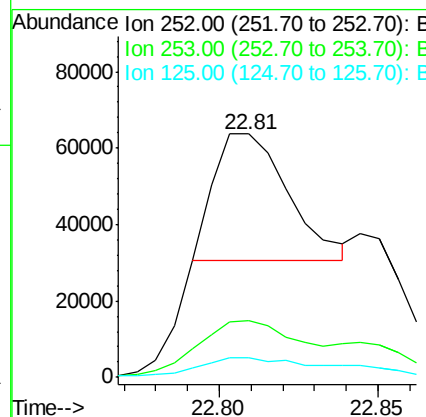
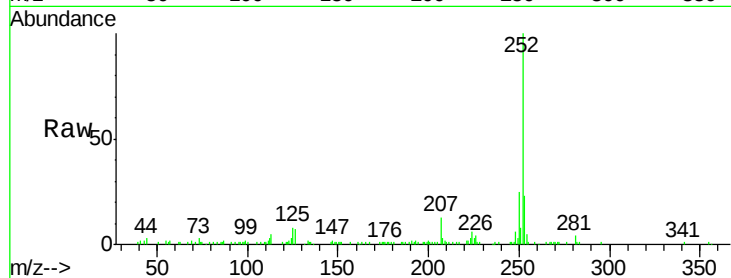




#88
Benzo(k)fluoranthene
Concen: 2.51 ng/ul
RT: 22.81 min Scan# 3421
Delta R.T. -0.04 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

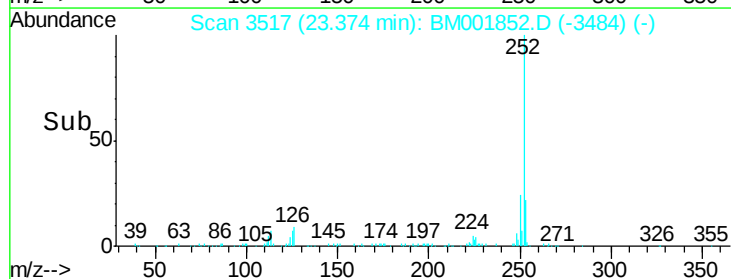
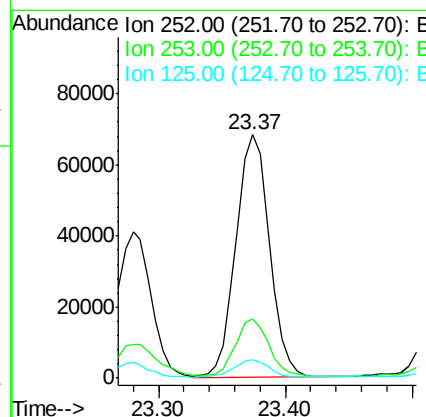
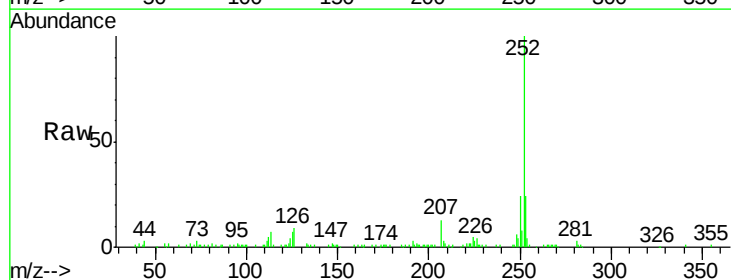
Instrument :
BNA_M
ClientSampleId :
G93L1DL

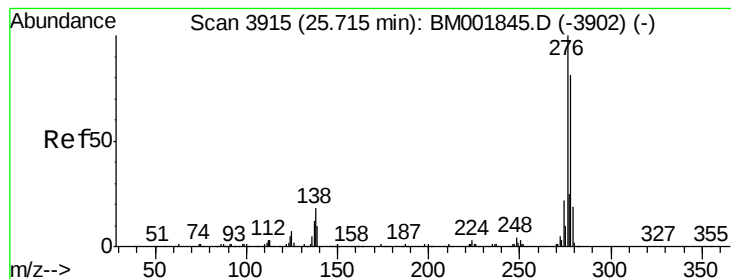
Tgt Ion:252 Resp: 54035
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 8.0 5.3 7.9#



#90
Benzo(a)pyrene
Concen: 5.76 ng/ul
RT: 23.37 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BM001852.D
Acq: 07 Jul 2015 01:54

Tgt Ion:252 Resp: 124685
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 7.4 6.0 9.0

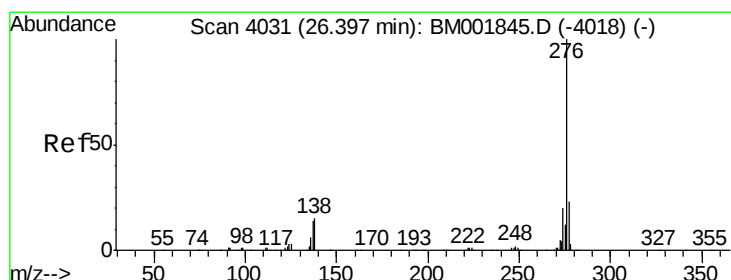
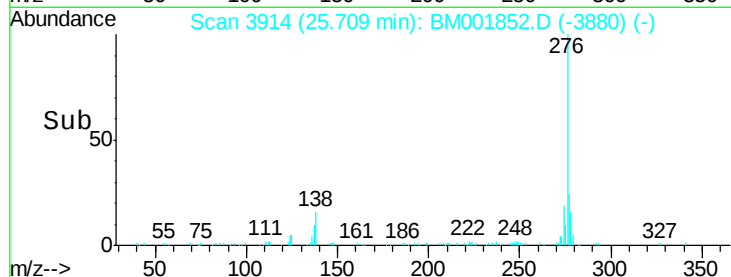
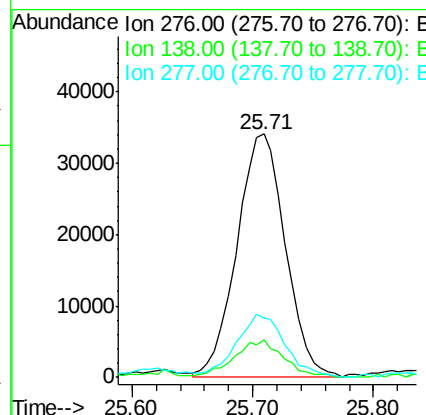
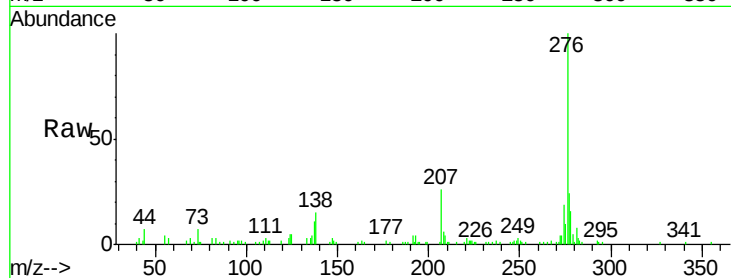




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 3.71 ng/ul
 RT: 25.71 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: BM001852.D
 Acq: 07 Jul 2015 01:54

Instrument :
 BNA_M
 ClientSampleId :
 G93L1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	14.7	22.1
277	24.4	19.7	29.5



#93
 Benzo(g,h,i)perylene
 Concen: 4.19 ng/ul
 RT: 26.39 min Scan# 4030
 Delta R.T. -0.01 min
 Lab File: BM001852.D
 Acq: 07 Jul 2015 01:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	12.6	19.0
277	22.7	18.7	28.1

