

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001844.D
 Acq On : 06 Jul 2015 19:46
 Operator : TP/UM
 Sample : G2860-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93J5

Quant Time: Jul 07 04:05:25 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	63110	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	244905	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	144870	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	328247	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	401292	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	408758	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	4747	3.59	ng/uL	0.00
5) Phenol-d5	6.83	99	97236	20.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	56888	20.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	81743	21.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	80027	20.57	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	37684	22.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	42720	23.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	82542	20.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	106424	26.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	230616	21.47	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	301967	21.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	36326	18.33	ng/ul	0.00
57) Fluorene-d10	15.31	176	218727	21.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	26461	13.20	ng/ul	0.00
70) Anthracene-d10	17.16	188	334183	21.86	ng/ul	0.00
78) Pyrene-d10	19.46	212	391072	23.01	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	398461	22.11	ng/ul	0.00

Target Compounds

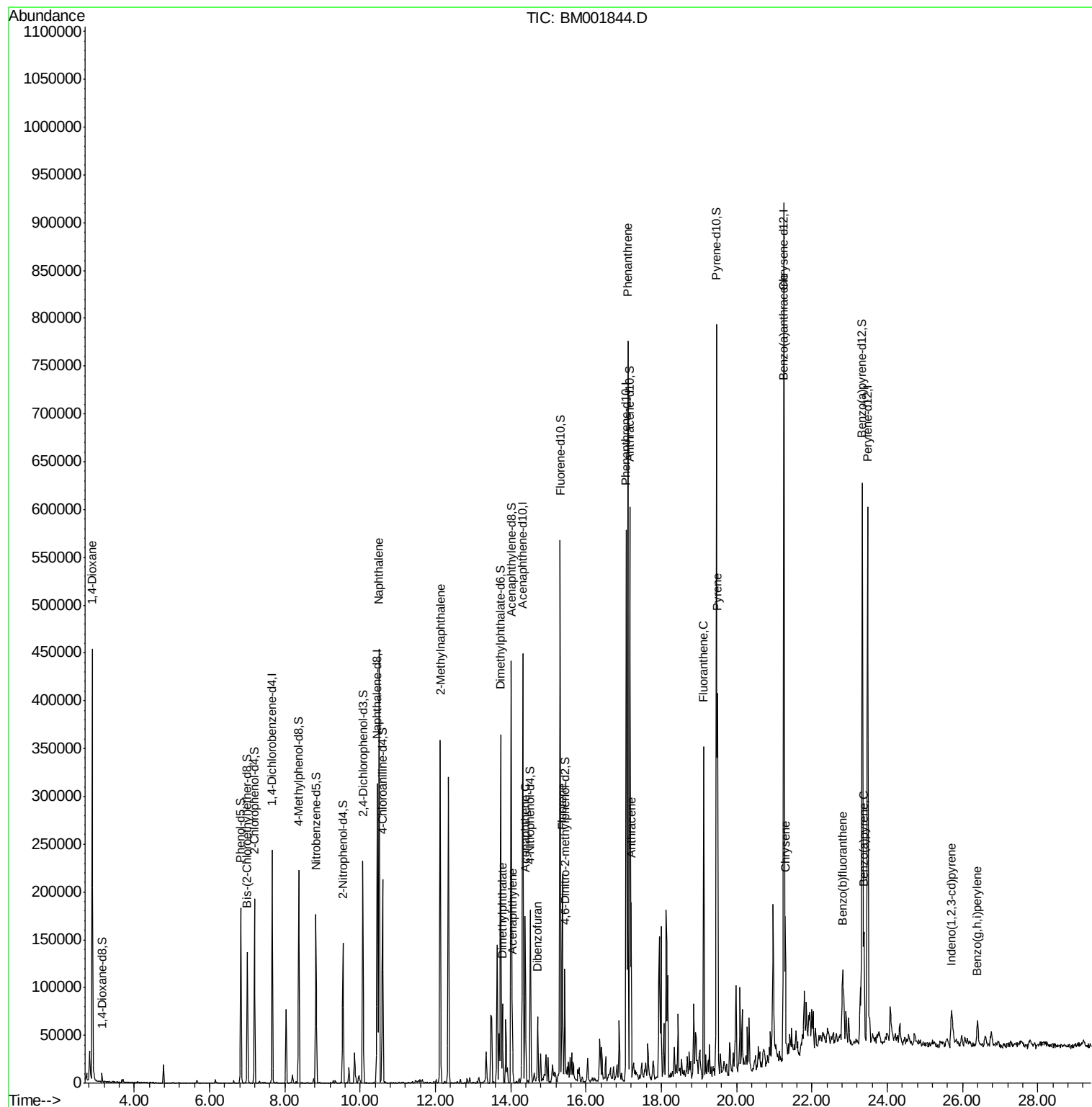
						Qvalue
2) 1,4-Dioxane	2.88	88	3336	2.21	ng/uL#	1
28) Naphthalene	10.50	128	363994	29.44	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	167061	18.68	ng/ul	99
44) Dimethylphthalate	13.77	163	44155	3.76	ng/ul	99
47) Acenaphthylene	14.04	152	36087	2.51	ng/ul#	95
49) Acenaphthene	14.38	153	69077	7.20	ng/ul	97
53) Dibenzofuran	14.72	168	21261	1.55	ng/ul	97
58) Fluorene	15.37	166	91233	7.98	ng/ul	98
69) Phenanthrene	17.10	178	459666	25.83	ng/ul	99
71) Anthracene	17.19	178	112450	6.15	ng/ul	100
76) Fluoranthene	19.12	202	194337	9.13	ng/ul	100
79) Pyrene	19.49	202	264478	11.88	ng/ul	99
82) Benzo(a)anthracene	21.24	228	102665	4.38	ng/ul	94
84) Chrysene	21.29	228	89161	4.01	ng/ul	98
87) Benzo(b)fluoranthene	22.81	252	74223	3.12	ng/ul#	96
90) Benzo(a)pyrene	23.38	252	78113	3.37	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.70	276	35559	1.30	ng/ul#	95
93) Benzo(g,h,i)perylene	26.40	276	35796	1.55	ng/ul	97

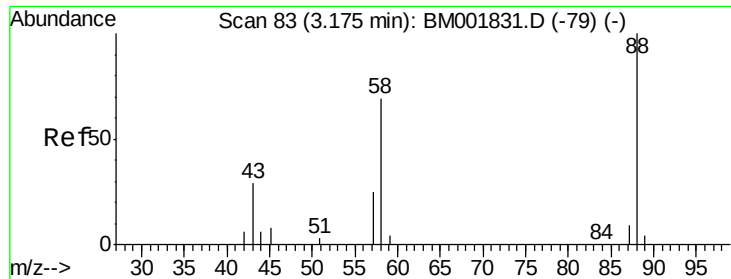
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.21 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

Instrument :

BNA_M

ClientSampleId :

G93J5

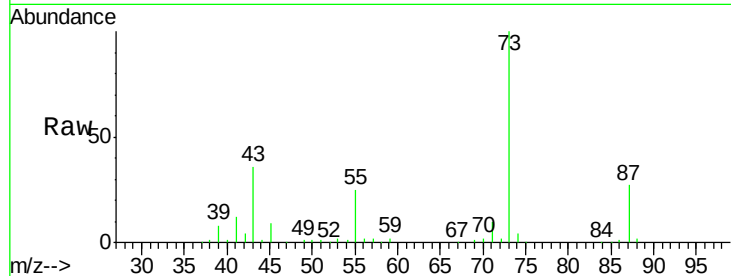
Tgt Ion: 88 Resp: 3336

Ion Ratio Lower Upper

88 100

43 2318.0 24.2 36.4#

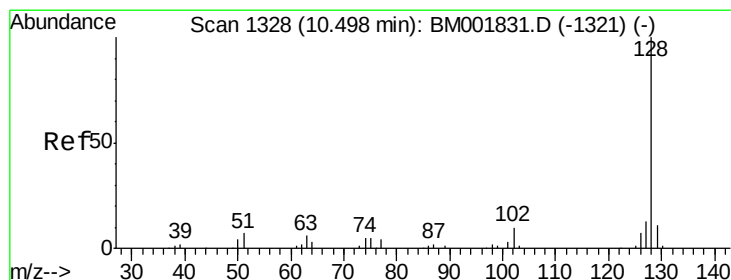
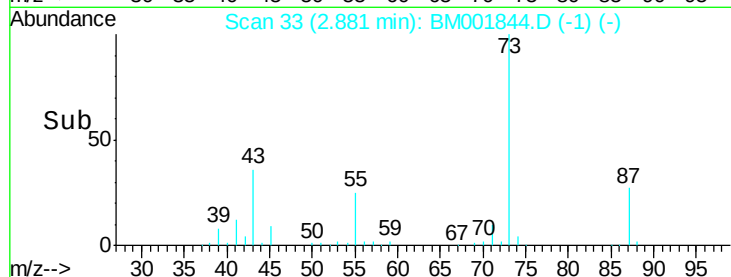
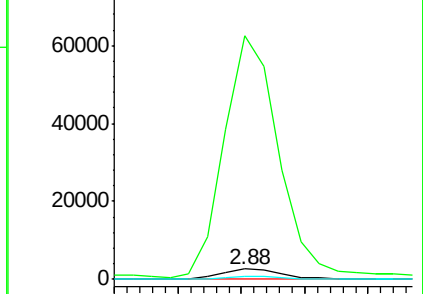
58 25.7 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001831.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BM001831.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BM001831.D (-79) (-)



#28

Naphthalene

Concen: 29.44 ng/uL

RT: 10.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

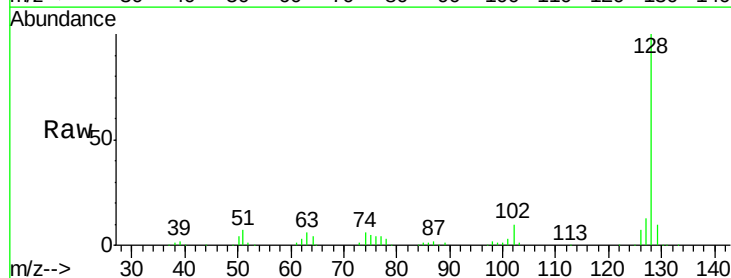
Tgt Ion: 128 Resp: 363994

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

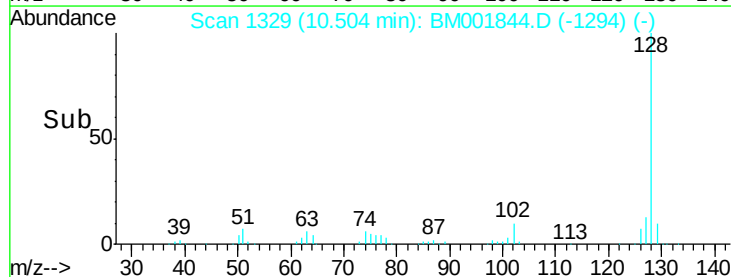
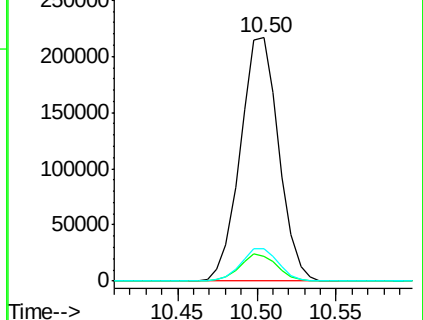
127 13.4 10.0 15.0

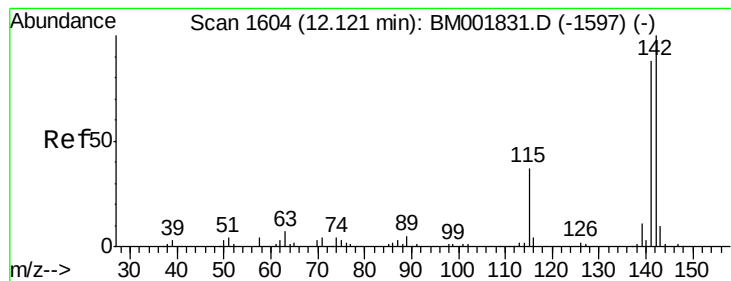


Abundance Ion 128.00 (127.70 to 128.70): BM001831.D (-1321) (-)

Ion 129.00 (128.70 to 129.70): BM001831.D (-1321) (-)

Ion 127.00 (126.70 to 127.70): BM001831.D (-1321) (-)





#34

2-Methylnaphthalene

Concen: 18.68 ng/ul

RT: 12.12 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

Instrument :

BNA_M

ClientSampleId :

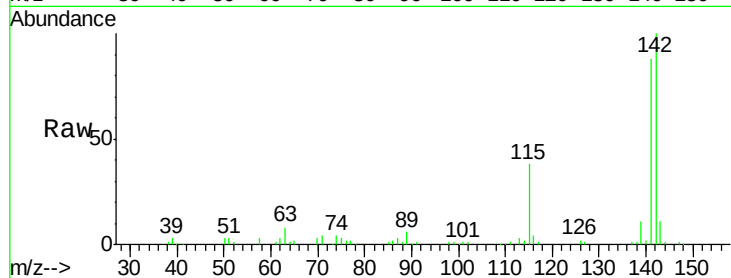
G93J5

Tgt Ion:142 Resp: 167061

Ion Ratio Lower Upper

142 100

141 88.4 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

120000

100000

80000

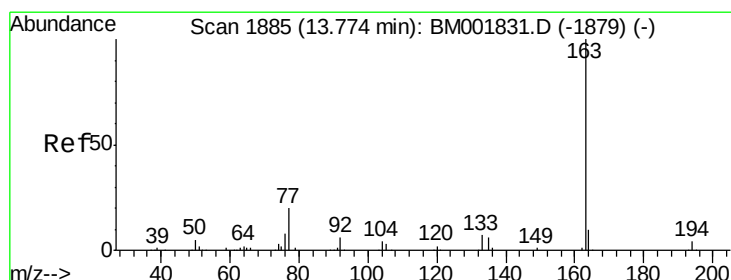
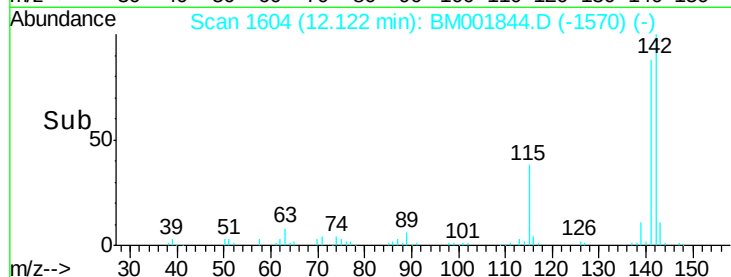
60000

40000

20000

0

Time-->



#44

Dimethylphthalate

Concen: 3.76 ng/ul

RT: 13.77 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

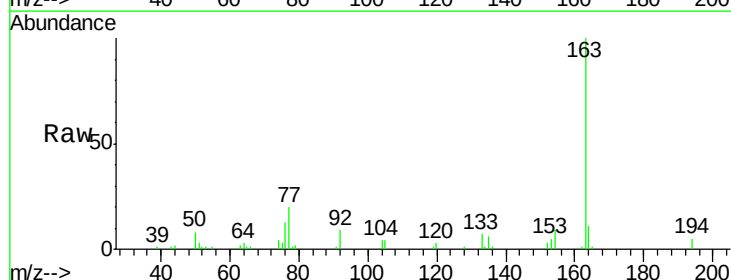
Tgt Ion:163 Resp: 44155

Ion Ratio Lower Upper

163 100

194 4.9 3.6 5.4

164 10.5 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

40000

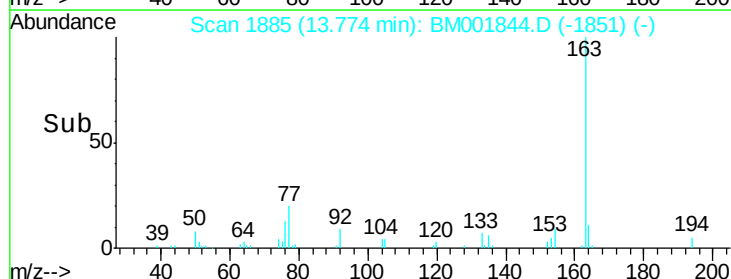
30000

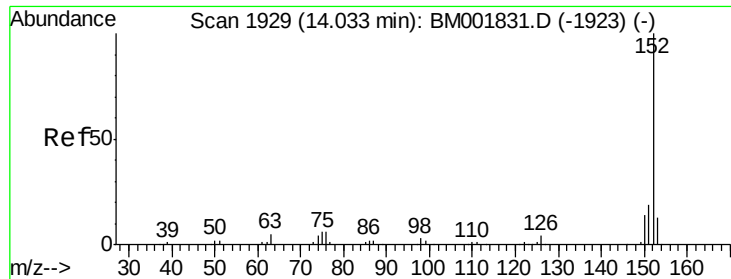
20000

10000

0

Time-->





#47

Acenaphthylene

Concen: 2.51 ng/ul

RT: 14.04 min Scan# 1930

Delta R.T. 0.01 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

Instrument :

BNA_M

ClientSampleId :

G93J5

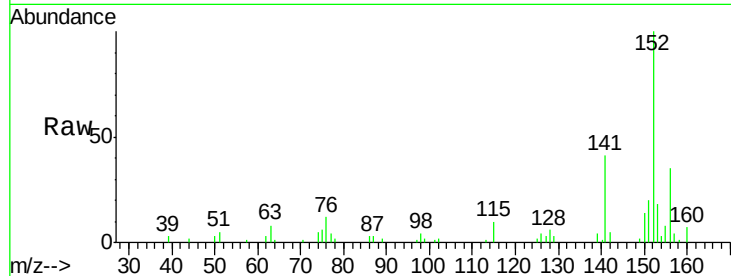
Tgt Ion:152 Resp: 36087

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

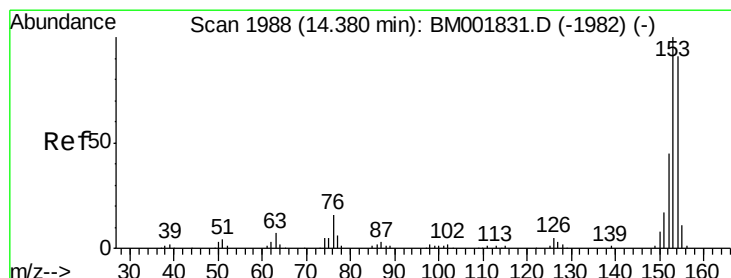
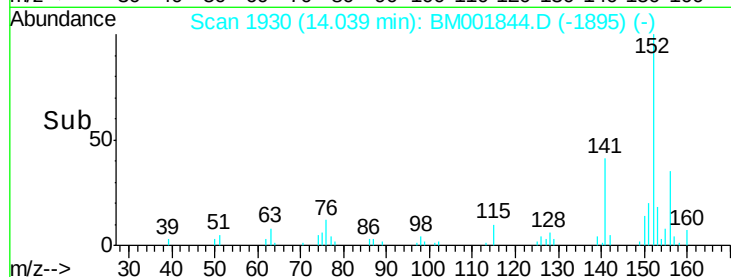
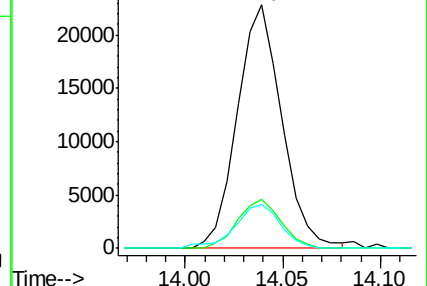
153 18.0 10.0 15.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 7.20 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

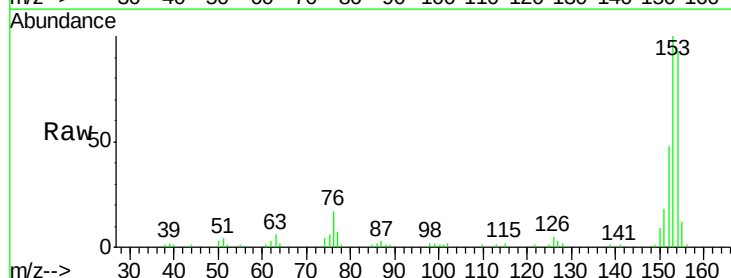
Tgt Ion:153 Resp: 69077

Ion Ratio Lower Upper

153 100

152 48.0 36.6 55.0

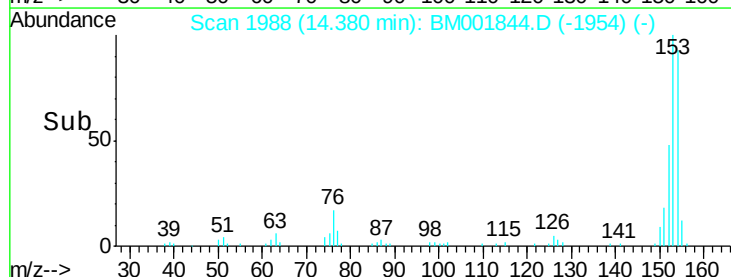
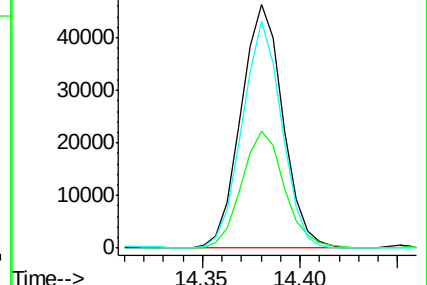
154 93.0 72.6 108.8

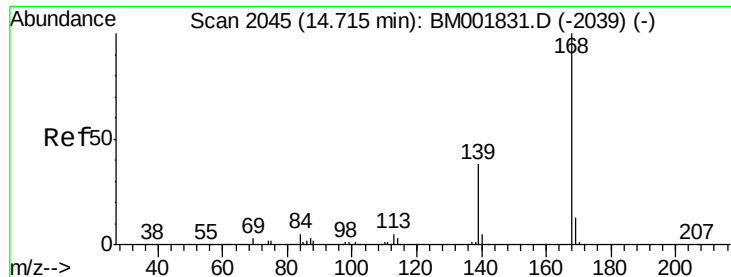


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.55 ng/ul

RT: 14.72 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

Instrument :

BNA_M

ClientSampleId :

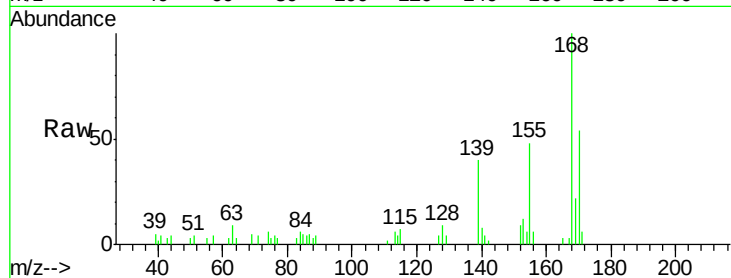
G93J5

Tgt Ion:168 Resp: 21261

Ion Ratio Lower Upper

168 100

139 39.6 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15000

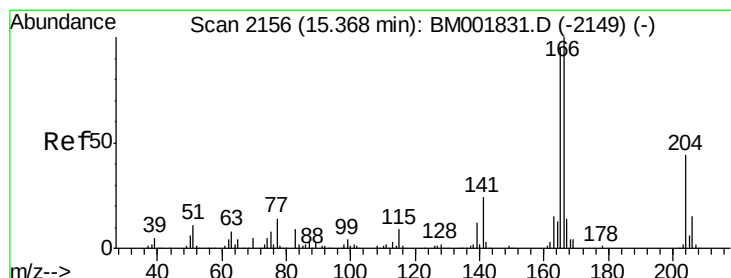
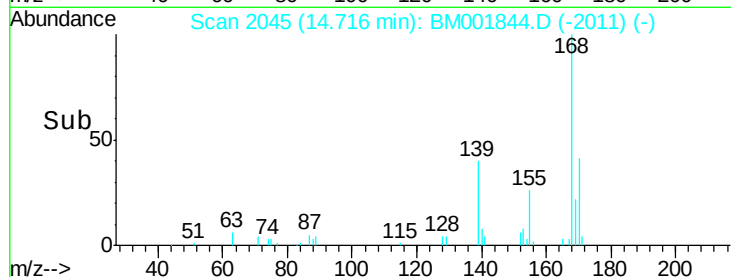
10000

5000

0

14.65 14.70 14.75

Time-->



#58

Fluorene

Concen: 7.98 ng/ul

RT: 15.37 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

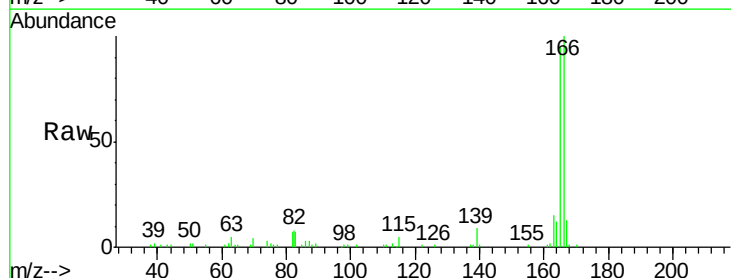
Tgt Ion:166 Resp: 91233

Ion Ratio Lower Upper

166 100

165 95.4 77.4 116.2

167 13.3 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

80000

60000

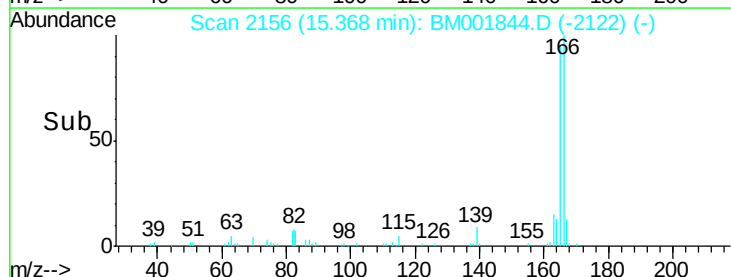
40000

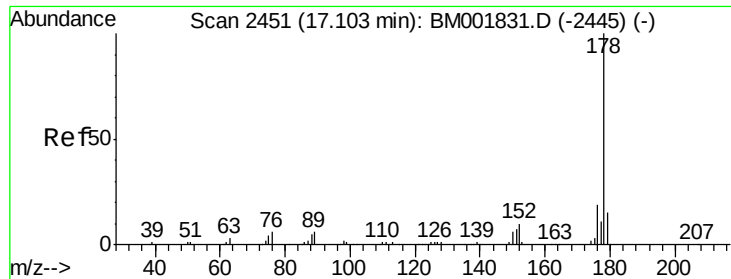
20000

0

15.30 15.35 15.40 15.45

Time-->





#69

Phenanthrene

Concen: 25.83 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

Instrument :

BNA_M

ClientSampleId :

G93J5

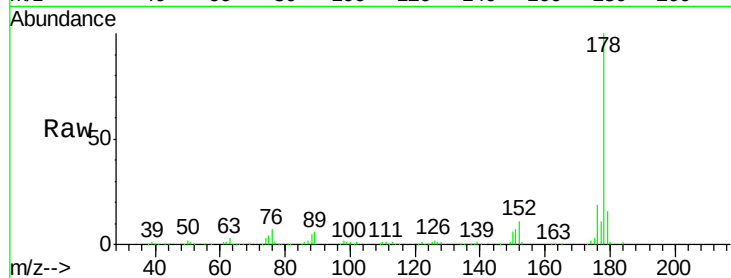
Tgt Ion:178 Resp: 459666

Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

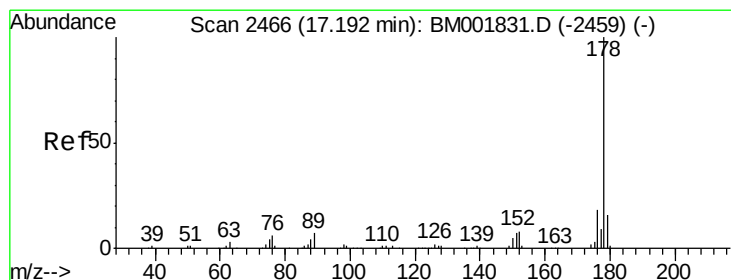
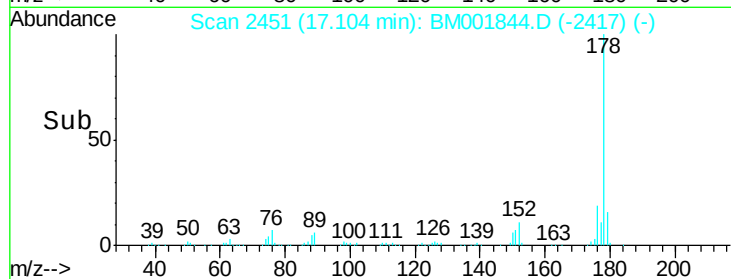
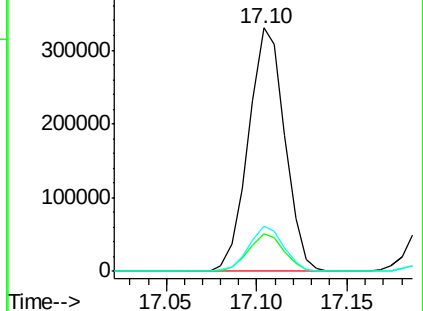
176 18.6 15.2 22.8



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: 6.15 ng/ul

RT: 17.19 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

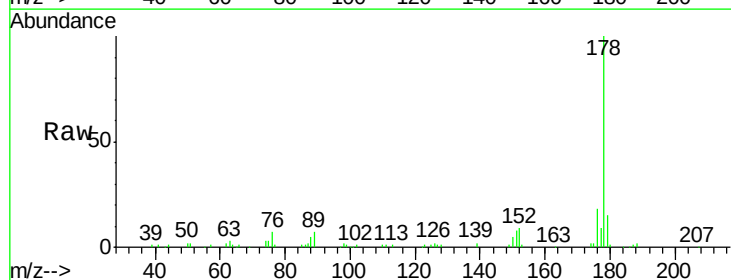
Tgt Ion:178 Resp: 112450

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

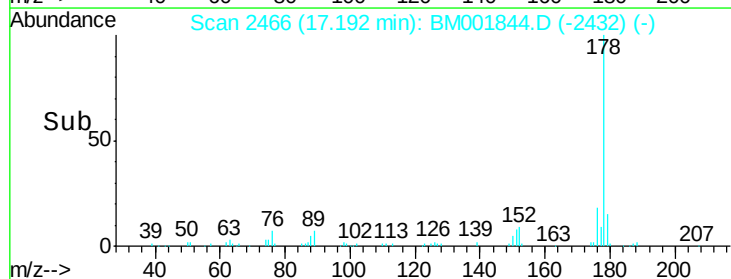
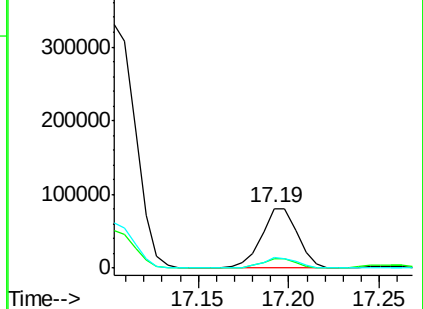
176 17.8 14.4 21.6

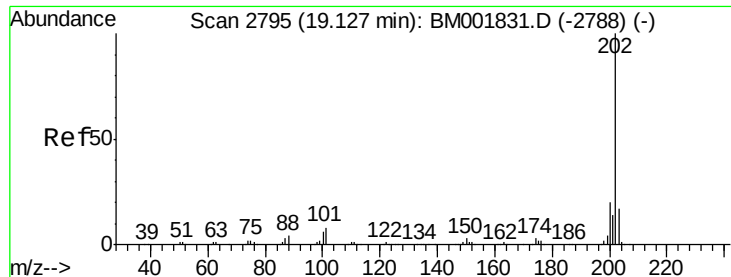


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 9.13 ng/ul

RT: 19.12 min Scan# 2794

Delta R.T. -0.01 min

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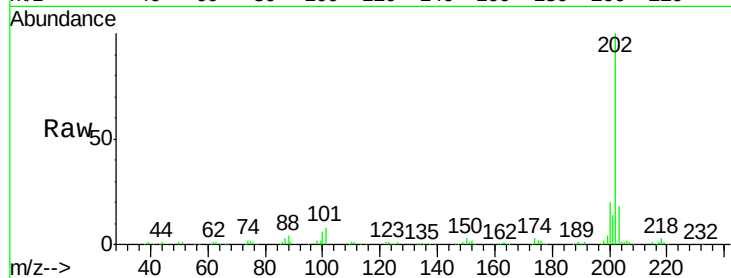
Tgt Ion:202 Resp: 194337

Ion Ratio Lower Upper

202 100

101 7.8 6.1 9.1

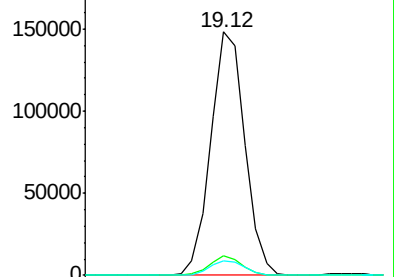
100 6.0 4.8 7.2



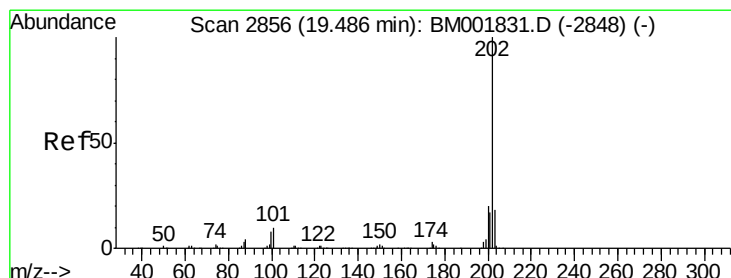
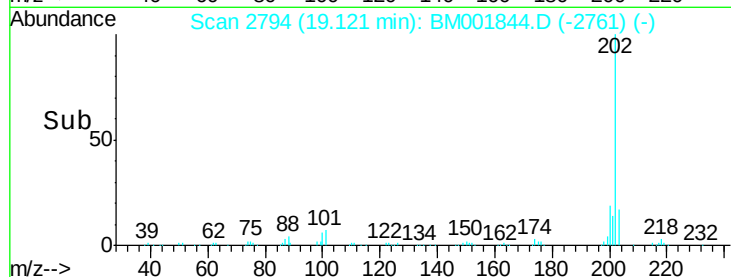
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.05 19.10 19.15



#79

Pyrene

Concen: 11.88 ng/ul

RT: 19.49 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

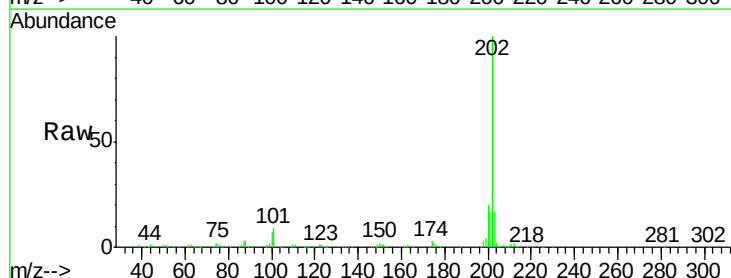
Tgt Ion:202 Resp: 264478

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

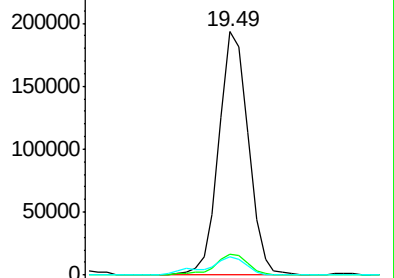
100 7.5 6.2 9.2



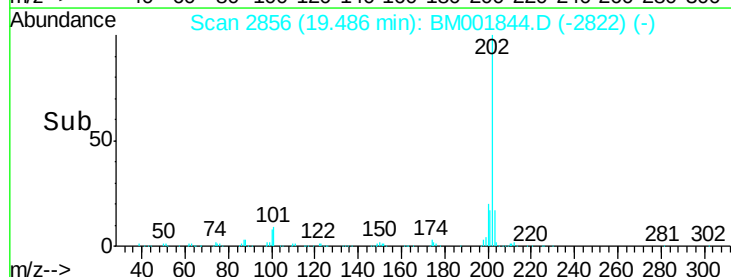
Abundance Ion 202.00 (201.70 to 202.70): E

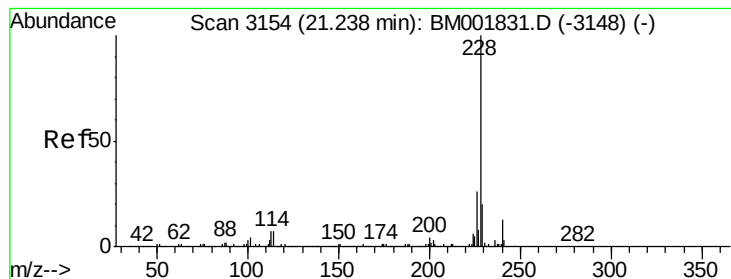
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.40 19.45 19.50 19.55





#82

Benzo(a)anthracene

Concen: 4.38 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

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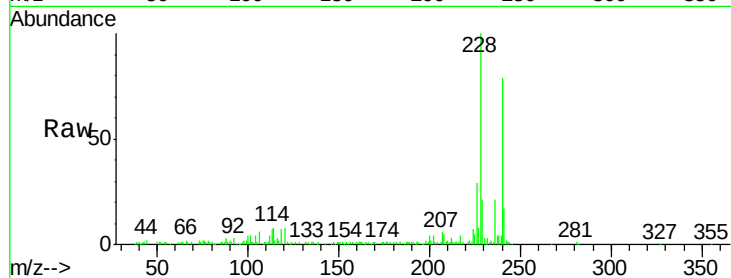
Tgt Ion:228 Resp: 102665

Ion Ratio Lower Upper

228 100

229 21.4 15.4 23.0

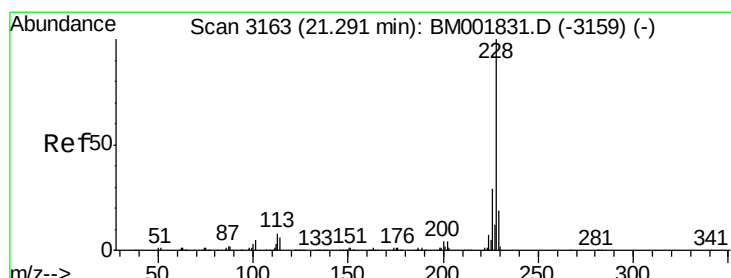
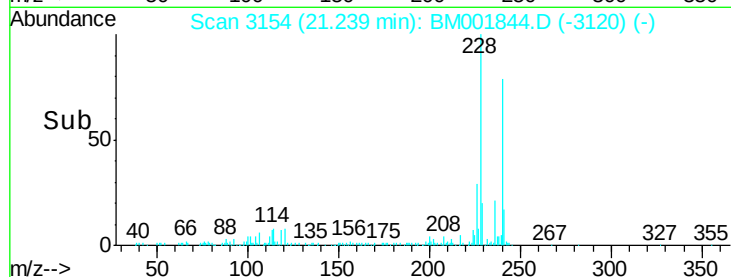
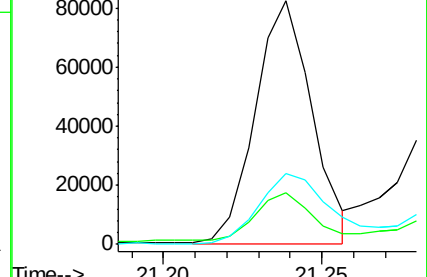
226 29.3 20.6 30.8



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: 4.01 ng/ul

RT: 21.29 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BM001844.D

Acq: 06 Jul 2015 19:46

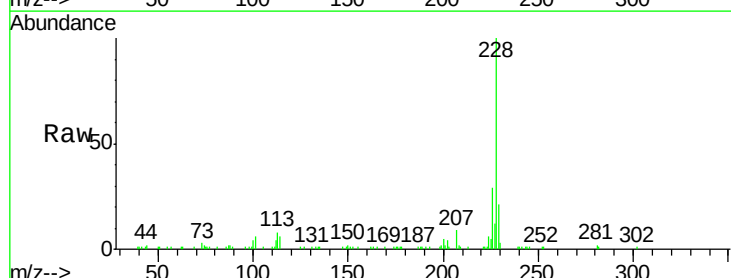
Tgt Ion:228 Resp: 89161

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.4

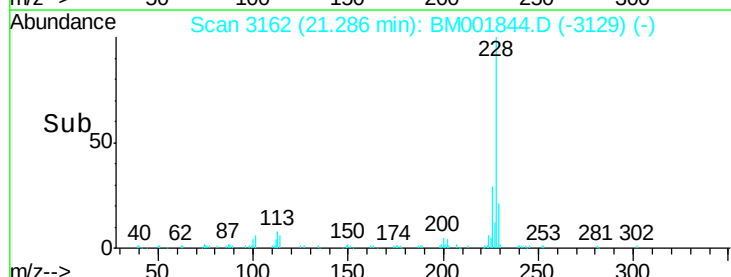
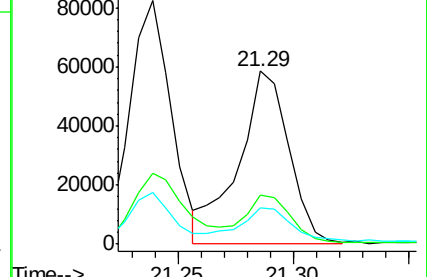
229 21.3 15.4 23.2

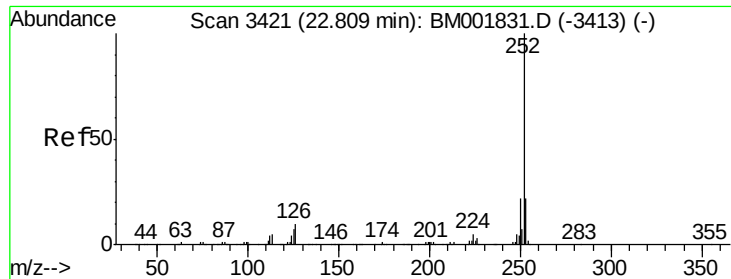


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

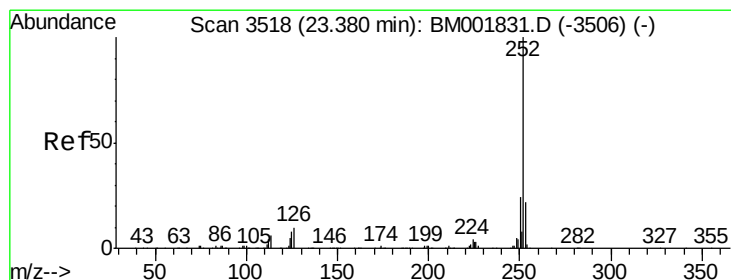
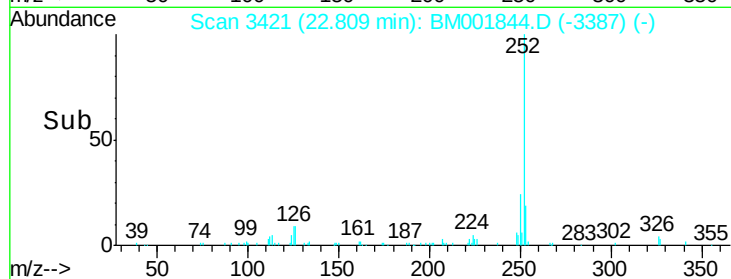
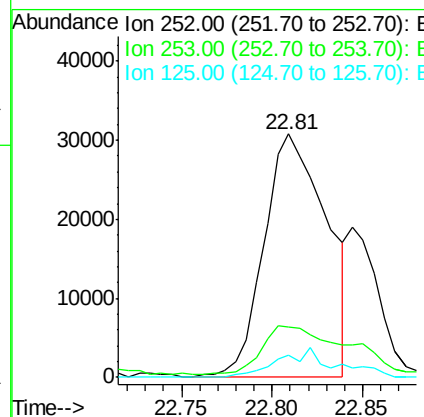
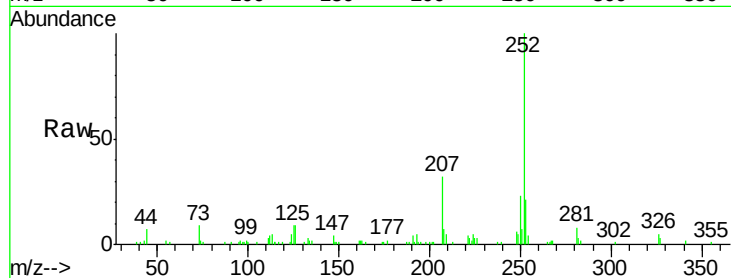




#87
 Benzo(b)fluoranthene
 Concen: 3.12 ng/ul
 RT: 22.81 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: BM001844.D
 Acq: 06 Jul 2015 19:46

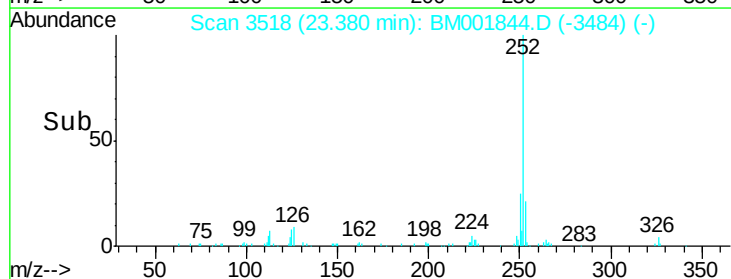
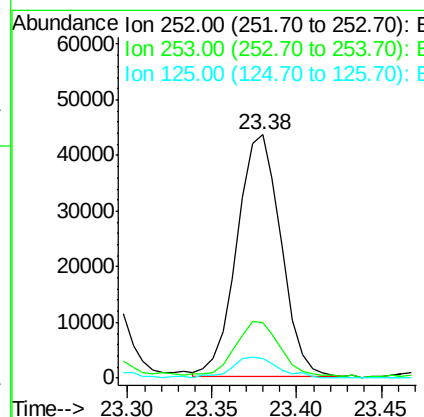
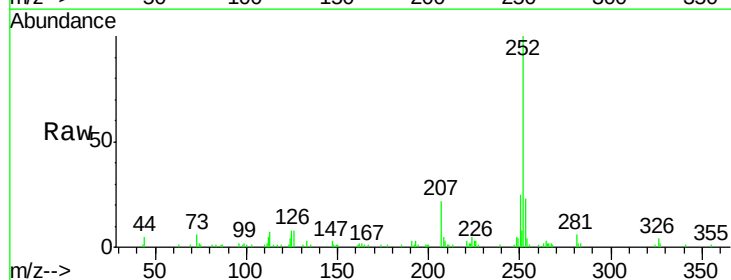
Instrument :
 BNA_M
 ClientSampleId :
 G93J5

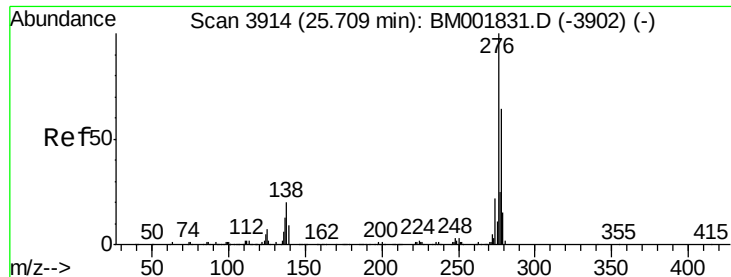
Tgt Ion:252 Resp: 74223
 Ion Ratio Lower Upper
 252 100
 253 20.7 17.8 26.6
 125 9.0 5.3 7.9#



#90
 Benzo(a)pyrene
 Concen: 3.37 ng/ul
 RT: 23.38 min Scan# 3518
 Delta R.T. 0.00 min
 Lab File: BM001844.D
 Acq: 06 Jul 2015 19:46

Tgt Ion:252 Resp: 78113
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.4 26.0
 125 8.2 6.0 9.0

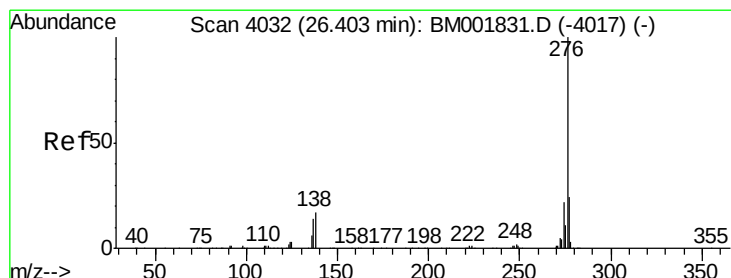
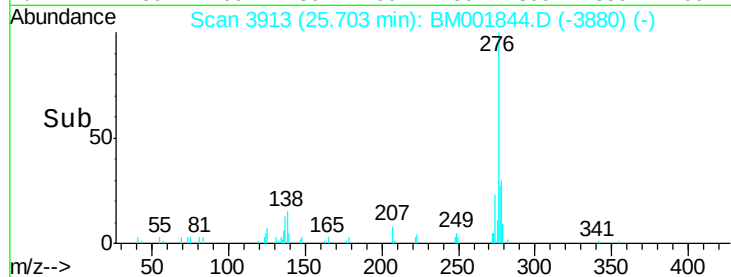
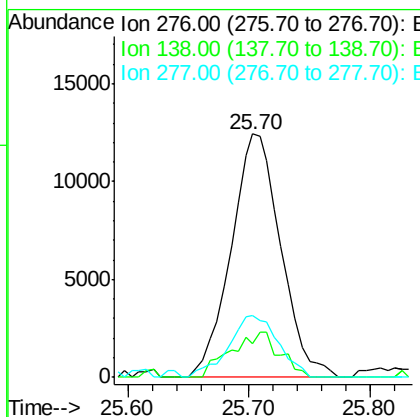
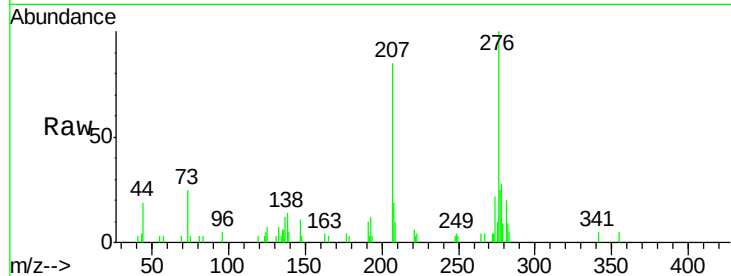




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 1.30 ng/ul
 RT: 25.70 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM001844.D
 Acq: 06 Jul 2015 19:46

Instrument :
 BNA_M
 ClientSampleId :
 G93J5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	14.7	22.1#
277	25.4	19.7	29.5



#93
 Benzo(g,h,i)perylene
 Concen: 1.55 ng/ul
 RT: 26.40 min Scan# 4031
 Delta R.T. -0.01 min
 Lab File: BM001844.D
 Acq: 06 Jul 2015 19:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	12.6	19.0
277	24.4	18.7	28.1

