

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
 Data File : BM002239.D
 Acq On : 05 Aug 2015 19:09
 Operator : TP/UM
 Sample : G3095-23RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 06 01:47:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 01:44:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	29534	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	135557	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	85496	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	198318	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	257238	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	230832	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	1053	2.03	ng/uL	0.00
5) Phenol-d5	6.73	99	31414	14.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	18005	15.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	32106	17.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	26361	14.47	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	15515	15.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	17410	15.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	24021	10.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	25393	10.34	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	113943	18.32	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	137039	17.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	11918	14.79	ng/ul	0.02
58) Fluorene-d10	15.19	176	98829	17.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	2355	2.06	ng/ul	0.01
71) Anthracene-d10	17.05	188	148335	16.81	ng/ul	0.00
79) Pyrene-d10	19.36	212	175140	14.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	179464	16.01	ng/ul	0.00

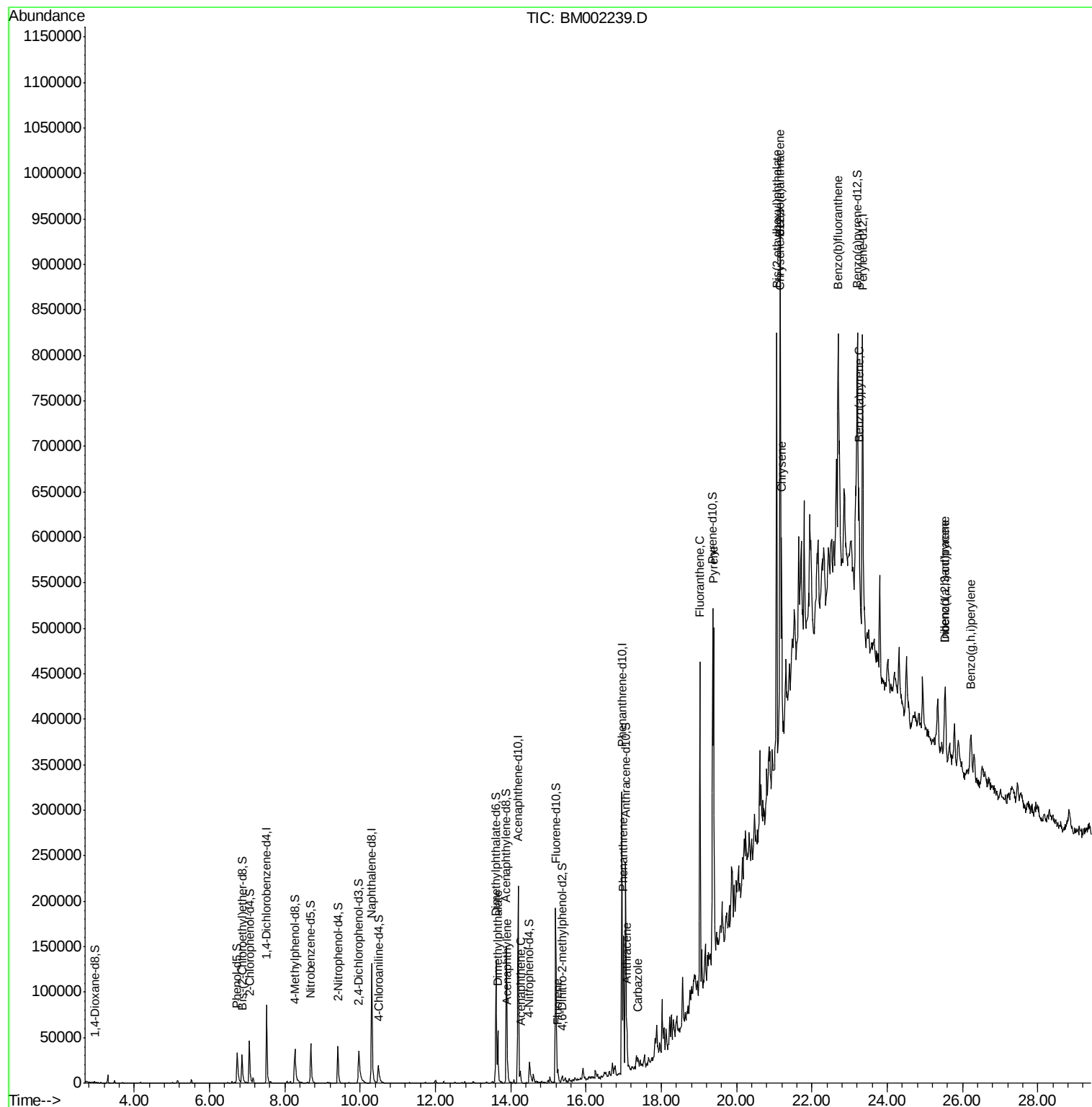
Target Compounds				Ovalue		
45) Dimethylphthalate	13.65	163	42367	6.83	ng/ul	100
48) Acenaphthylene	13.91	152	9025	1.13	ng/ul#	92
50) Acenaphthene	14.26	153	6284	1.20	ng/ul	99
59) Fluorene	15.26	166	6699	1.07	ng/ul	96
70) Phenanthrene	16.99	178	97630	9.59	ng/ul	99
72) Anthracene	17.09	178	29699	2.85	ng/ul	97
75) Carbazole	17.37	167	10086	1.16	ng/ul	98
77) Fluoranthene	19.02	202	225907	20.27	ng/ul	99
80) Pvrene	19.39	202	236387	14.95	ng/ul	99
83) Benzo(a)anthracene	21.14	228	111741	7.75	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.06	149	162068	19.98	ng/ul	99
85) Chrysene	21.19	228	126023	9.50	ng/ul	96
88) Benzo(b)fluoranthene	22.69	252	160137	12.31	ng/ul#	93
91) Benzo(a)pyrene	23.24	252	88011	7.09	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	25.54	276	57531	4.11	ng/ul	93
93) Dibenzo(a,h)anthracene	25.53	278	15408	1.29	ng/ul#	63
94) Benzo(g,h,i)perylene	26.21	276	52848	4.53	ng/ul	92

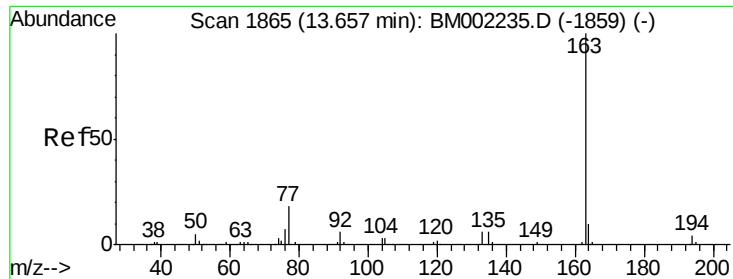
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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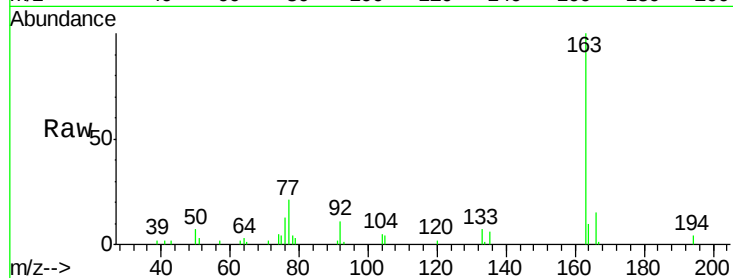




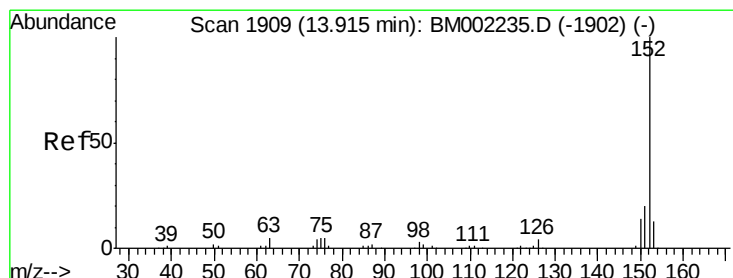
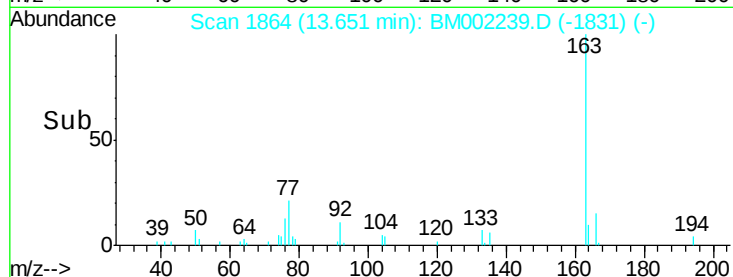
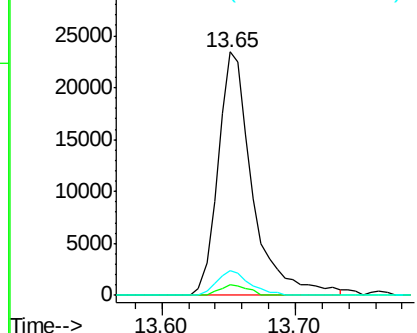
#45
Dimethylphthalate
Concen: 6.83 ng/ul
RT: 13.65 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 42367
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 7.9 11.9

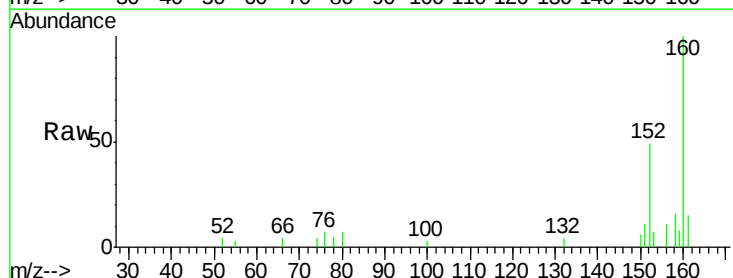


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

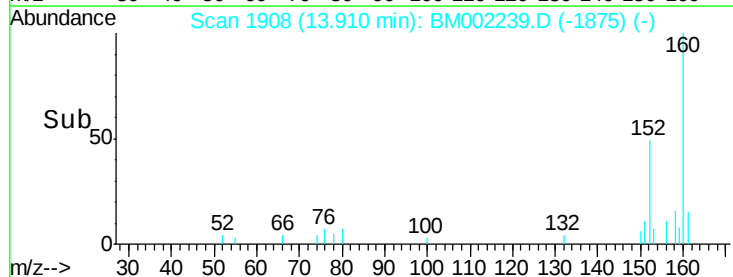
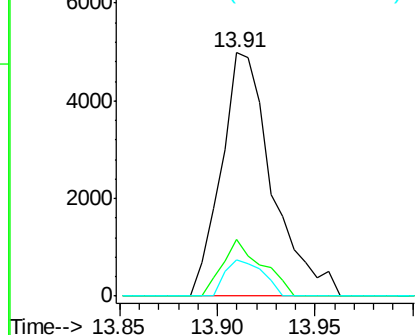


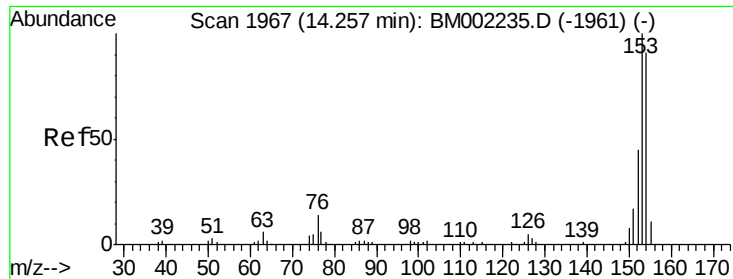
#48
Acenaphthylene
Concen: 1.13 ng/ul
RT: 13.91 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

Tgt Ion:152 Resp: 9025
Ion Ratio Lower Upper
152 100
151 23.2 15.2 22.8#
153 15.1 10.3 15.5



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





#50

Acenaphthene

Concen: 1.20 ng/ul

RT: 14.26 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

Instrument :

BNA_M

ClientSampleId :

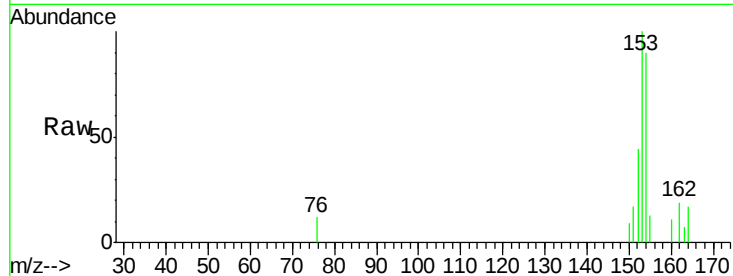
Tot Ion:153 Resp: 6284

Ion Ratio Lower Upper

153 100

152 44.0 36.6 54.8

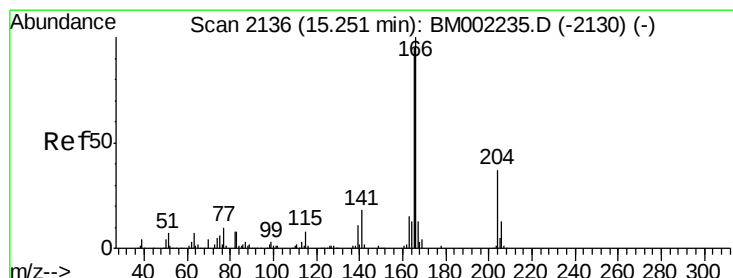
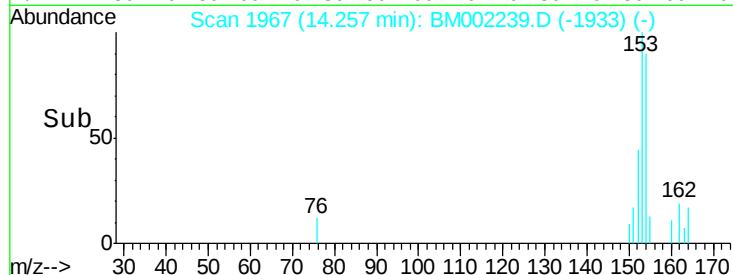
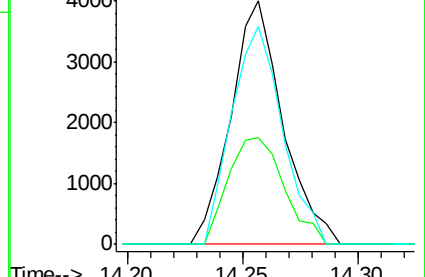
154 89.6 71.7 107.5



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



#59

Fluorene

Concen: 1.07 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

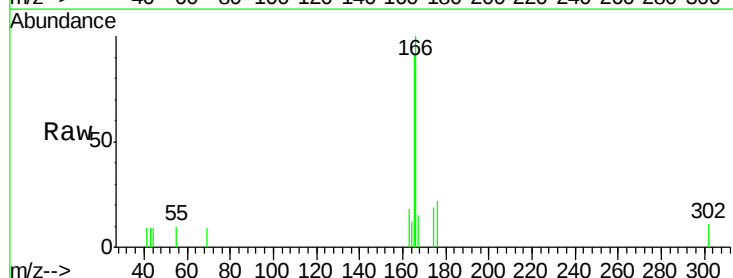
Tgt Ion:166 Resp: 6699

Ion Ratio Lower Upper

166 100

165 91.5 76.0 114.0

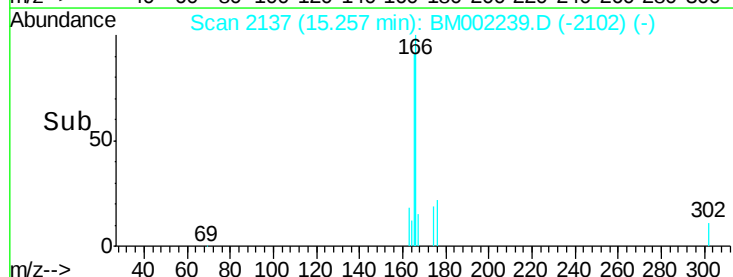
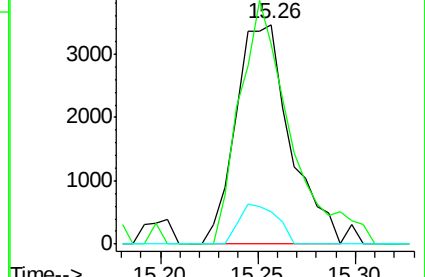
167 15.1 10.5 15.7

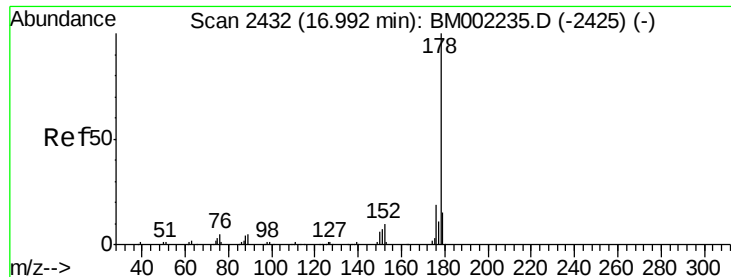


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 9.59 ng/ul

RT: 16.99 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

Instrument :

BNA_M

ClientSampleId :

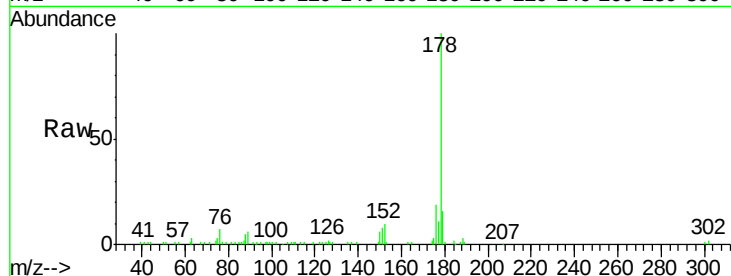
Tot Ion:178 Resp: 97630

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

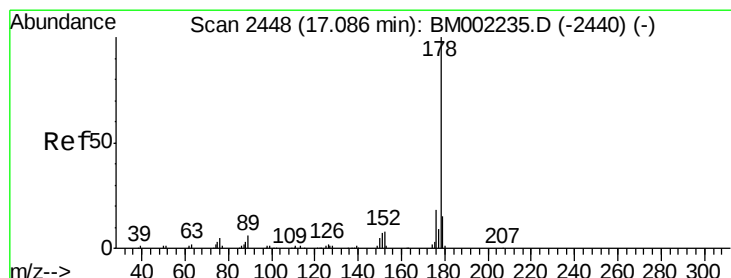
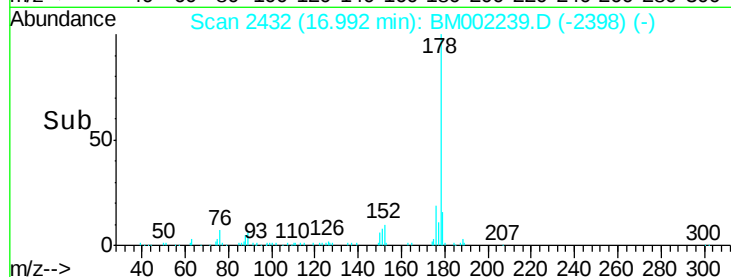
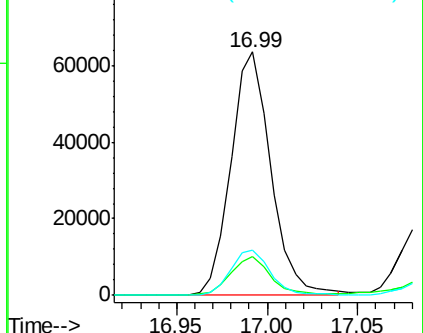
176 18.8 14.6 21.8



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



#72

Anthracene

Concen: 2.85 ng/ul

RT: 17.09 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

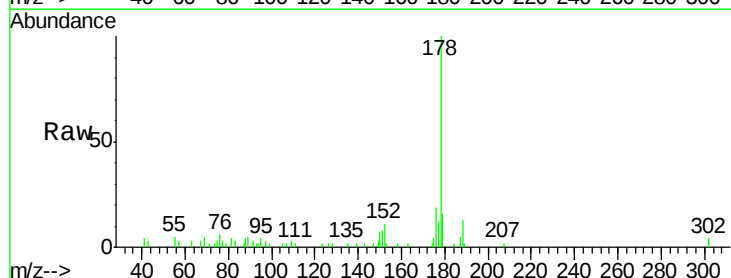
Tgt Ion:178 Resp: 29699

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.2

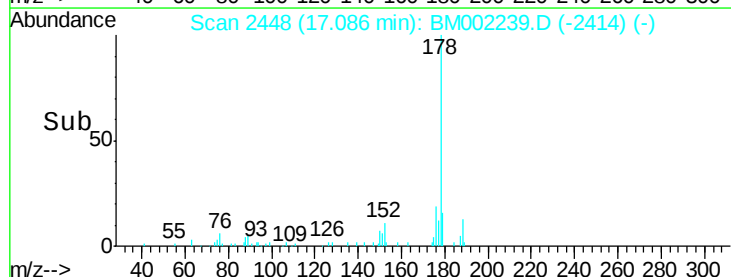
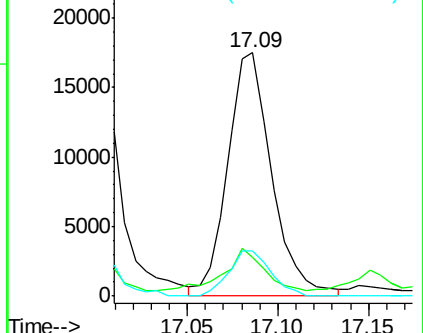
176 18.8 13.8 20.6

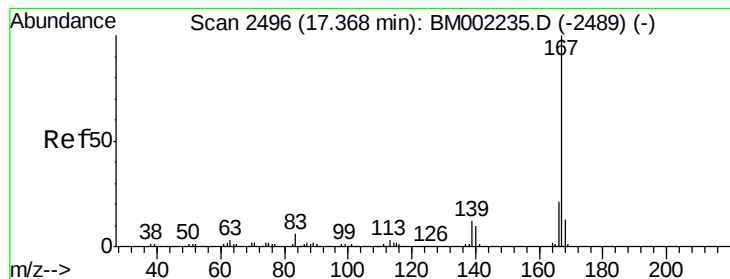


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.16 ng/ul

RT: 17.37 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

Instrument :

BNA_M

ClientSampleId :

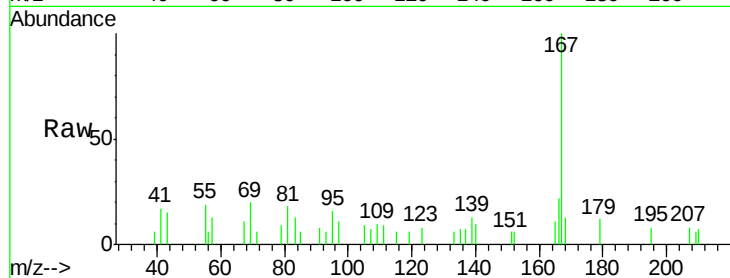
Tot Ion:167 Resp: 10086

Ion Ratio Lower Upper

167 100

166 21.5 16.7 25.1

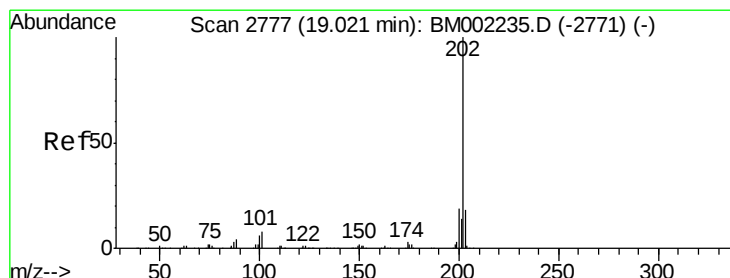
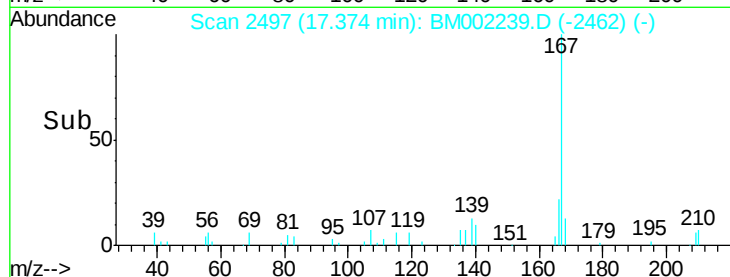
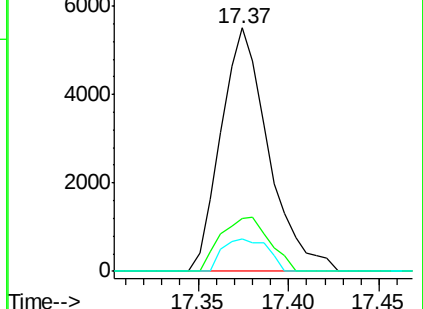
139 13.3 9.4 14.2



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



#77

Fluoranthene

Concen: 20.27 ng/ul

RT: 19.02 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

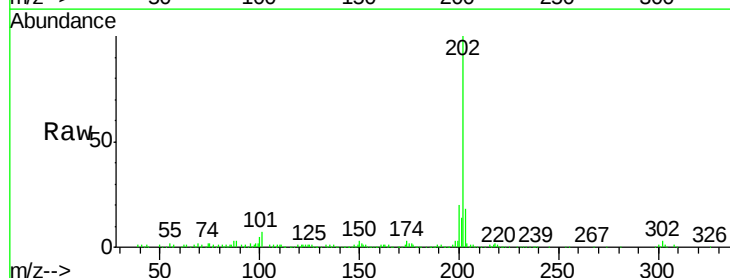
Tgt Ion:202 Resp: 225907

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

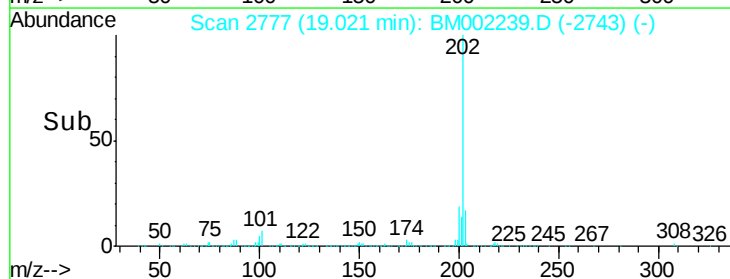
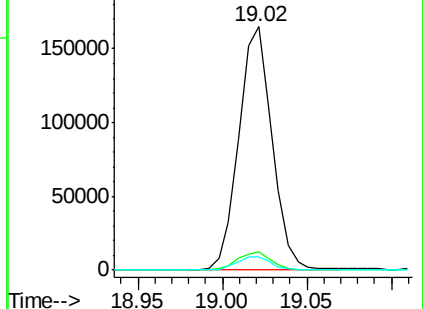
100 5.4 4.8 7.2

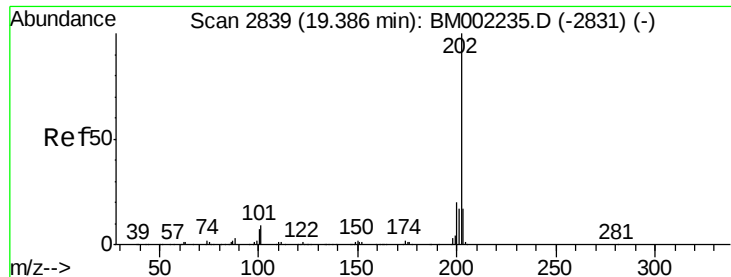


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

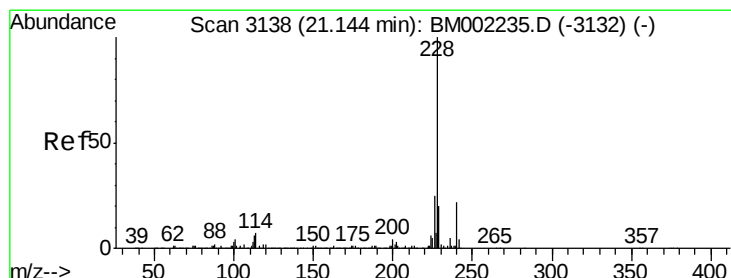
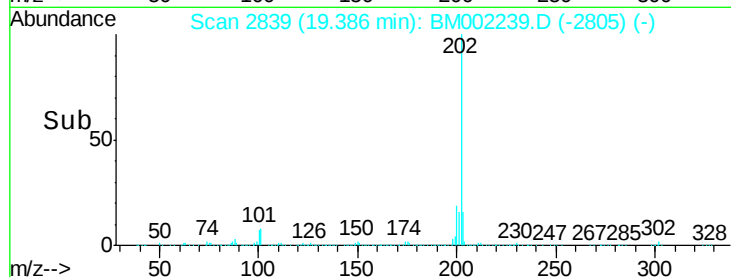
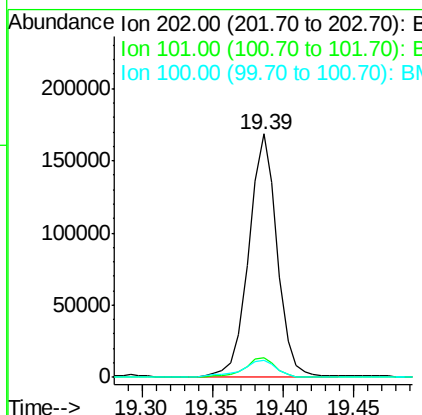
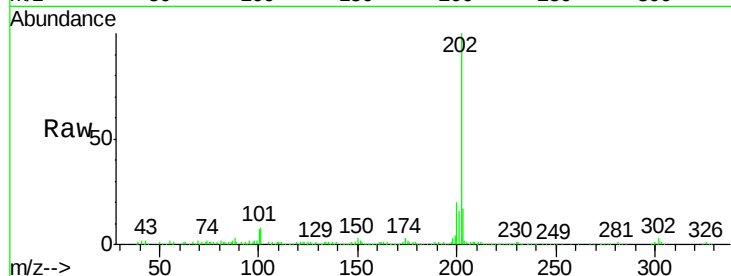




#80
Pvrene
Concen: 14.95 ng/ul
RT: 19.39 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

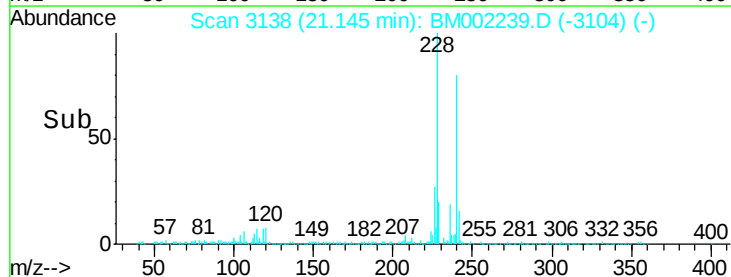
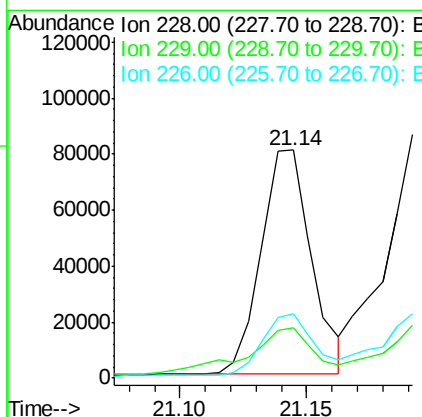
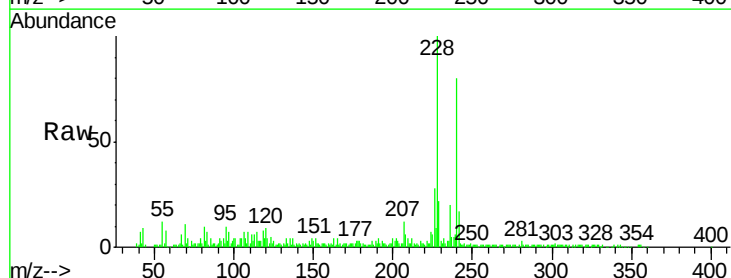
Instrument :
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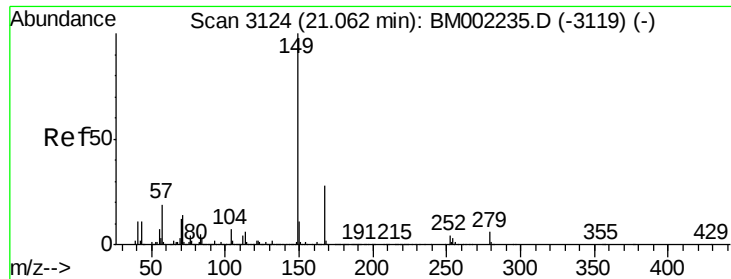
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.6
100	6.9	5.8	8.8



#83
Benzo(a)anthracene
Concen: 7.75 ng/ul
RT: 21.14 min Scan# 3138
Delta R.T. 0.00 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.9	23.9
226	28.0	20.6	31.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 19.98 ng/ul

RT: 21.06 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

Instrument :

BNA_M

ClientSampleId :

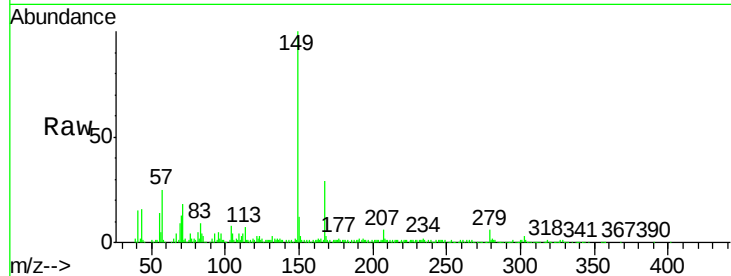
Tot Ion:149 Resp: 162068

Ion Ratio Lower Upper

149 100

167 29.0 23.0 34.4

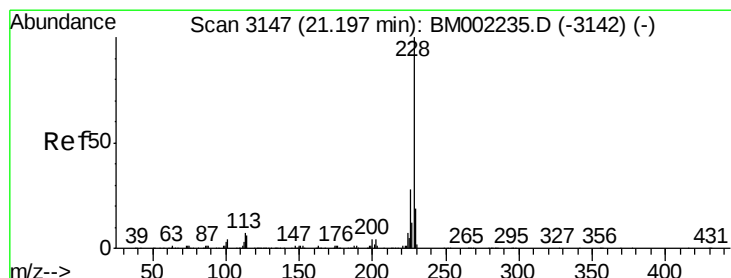
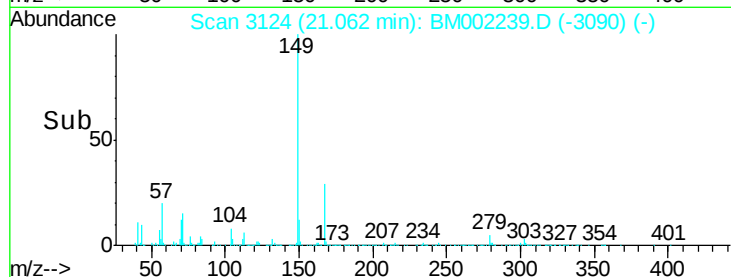
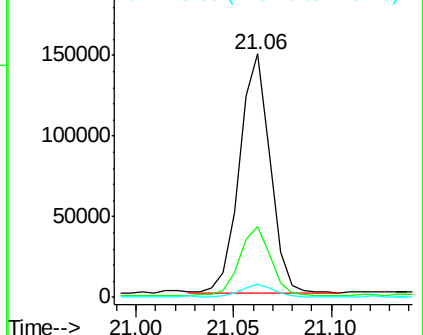
279 5.6 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 9.50 ng/ul

RT: 21.19 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

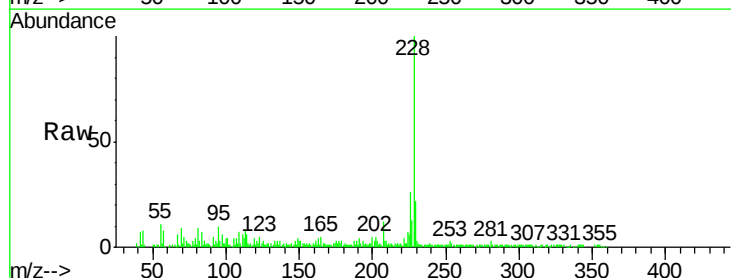
Tgt Ion:228 Resp: 126023

Ion Ratio Lower Upper

228 100

226 26.3 22.2 33.4

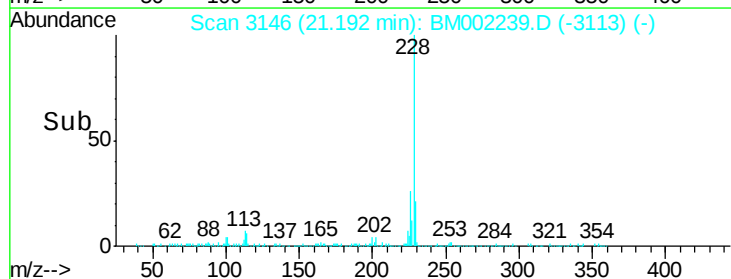
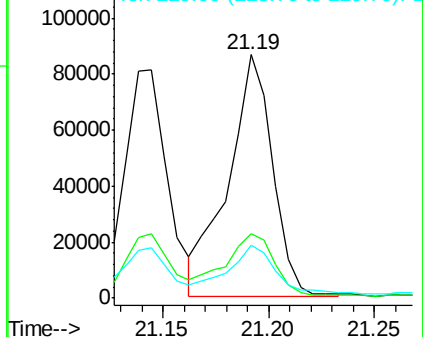
229 21.9 15.5 23.3

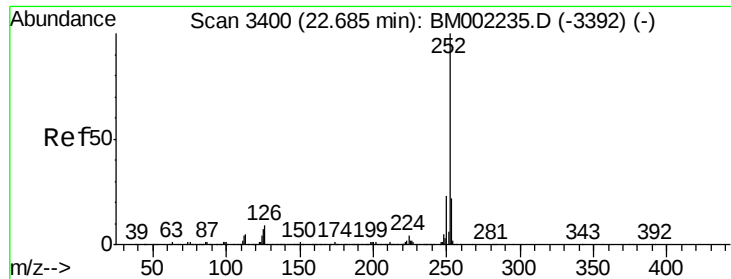


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

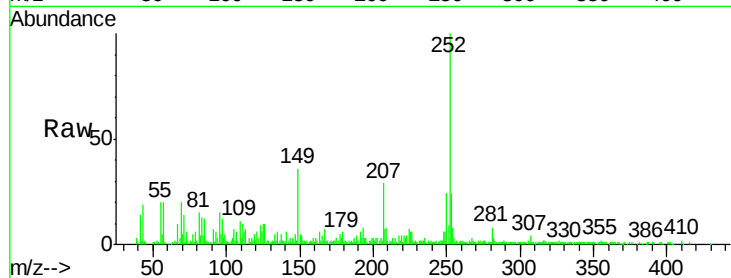




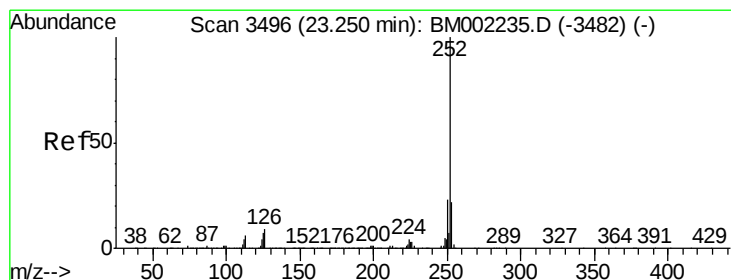
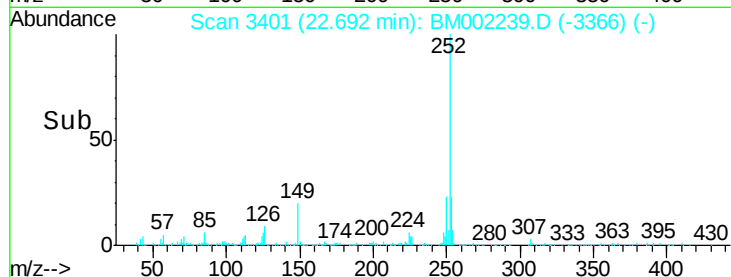
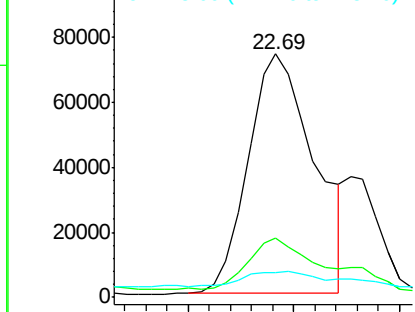
#88
Benzo(b)fluoranthene
Concen: 12.31 ng/ul
RT: 22.69 min Scan# 3401
Delta R.T. 0.01 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 160137
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 10.3 5.4 8.2#

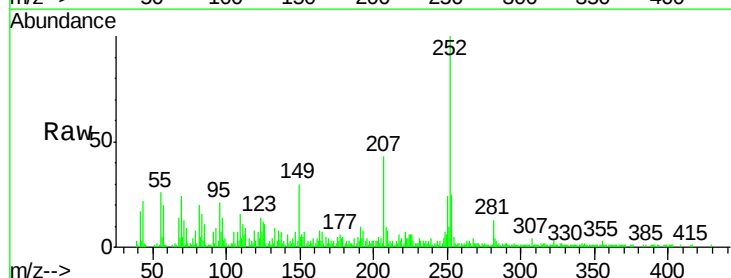


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

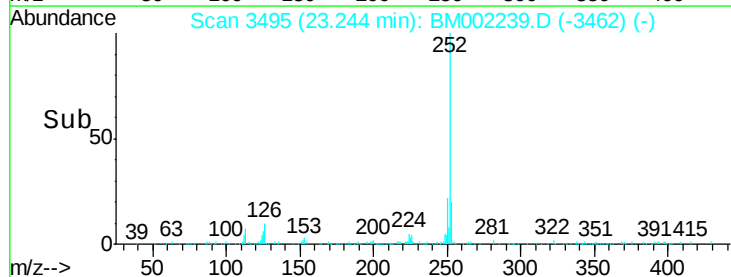
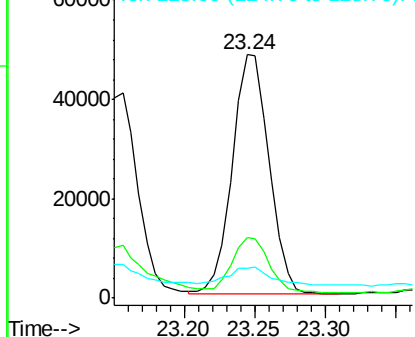


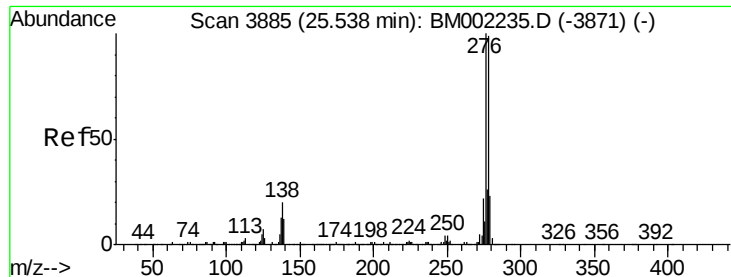
#91
Benzo(a)pyrene
Concen: 7.09 ng/ul
RT: 23.24 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM002239.D
Acq: 05 Aug 2015 19:09

Tgt Ion:252 Resp: 88011
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 12.4 6.1 9.1#



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





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.11 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.00 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

Instrument :

BNA_M

ClientSampleId :

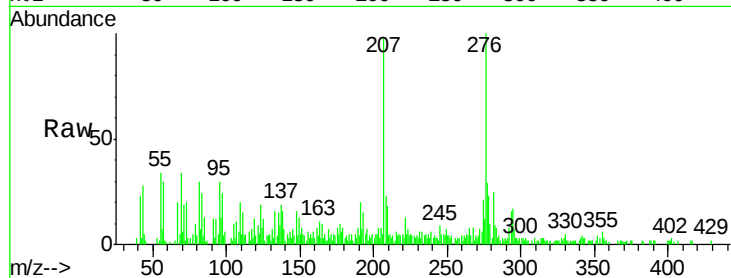
Tot Ion:276 Resp: 57531

Ion Ratio Lower Upper

276 100

138 16.1 15.4 23.0

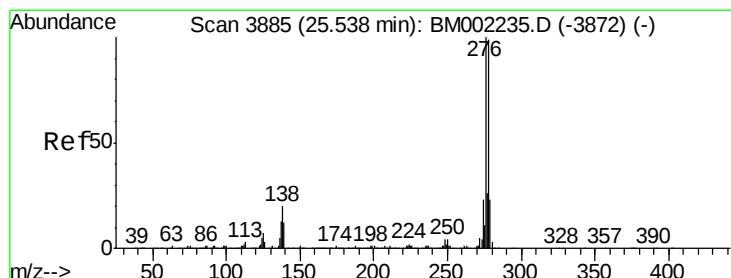
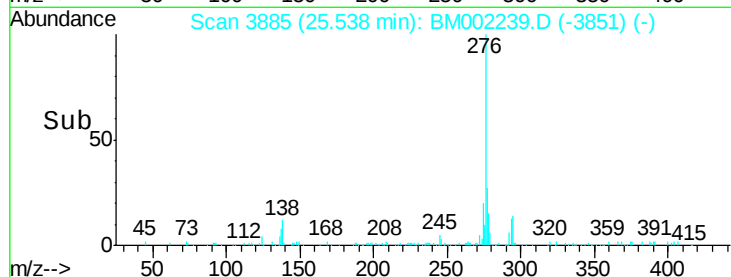
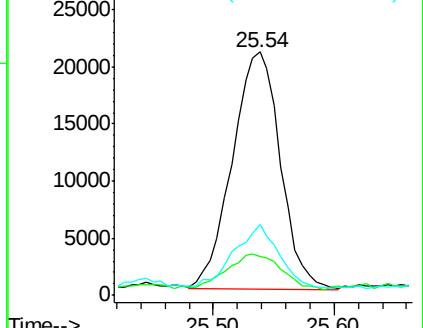
277 29.2 20.2 30.2



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

Dibenzo(a,h)anthracene

Concen: 1.29 ng/ul

RT: 25.53 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BM002239.D

Acq: 05 Aug 2015 19:09

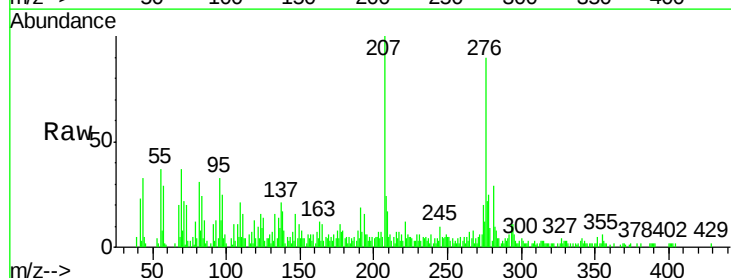
Tgt Ion:278 Resp: 15408

Ion Ratio Lower Upper

278 100

139 31.4 10.4 15.6#

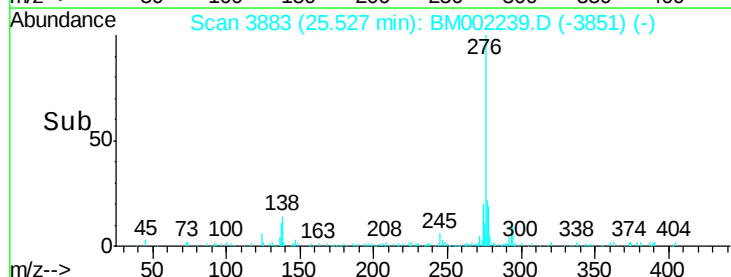
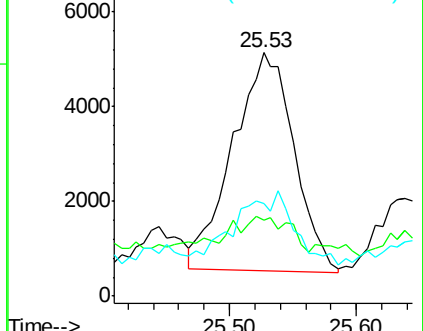
279 37.8 17.9 26.9#

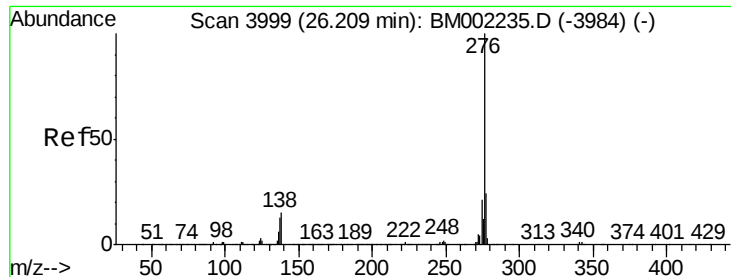


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

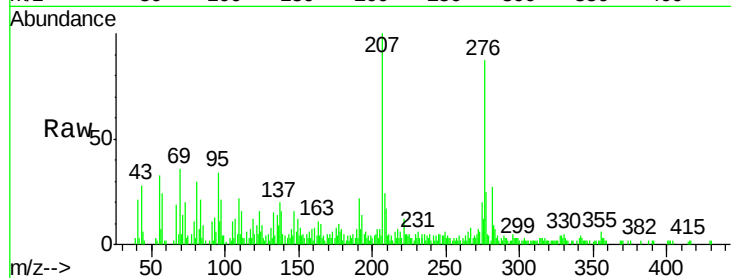




#94
 Benzo(a,h,i)perylene
 Concen: 4.53 ng/ul
 RT: 26.21 min Scan# 4000
 Delta R.T. 0.01 min
 Lab File: BM002239.D
 Acq: 05 Aug 2015 19:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	12.5	18.7
277	28.5	19.4	29.0



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

