

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
 Data File : BM002243.D
 Acq On : 05 Aug 2015 21:35
 Operator : TP/UM
 Sample : G3095-08RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 06 01:48:19 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	37864	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	166319	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	105769	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	244562	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	265920	20.00	ng/ul	0.02
86) Perylene-d12	23.36	264	221155	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.95	96	1422	2.13	ng/uL	0.00
5) Phenol-d5	6.73	99	48660	17.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	27818	18.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	48123	20.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	44651	19.11	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	24741	20.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	26716	18.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	41549	15.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	32430	10.77	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	169094	21.98	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	213908	22.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	20421	20.49	ng/ul	0.01
58) Fluorene-d10	15.19	176	157227	23.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	1965	1.39	ng/ul	0.02
71) Anthracene-d10	17.05	188	244668	22.48	ng/ul	0.00
79) Pyrene-d10	19.37	212	281367	22.10	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.22	264	232967	21.69	ng/ul	0.02

Target Compounds

					Ovalue
14) Acetophenone	8.35	105	4340	1.17 ng/ul	93
28) Naphthalene	10.35	128	68469	8.70 ng/ul#	95
34) 2-Methylnaphthalene	11.99	142	22711	3.75 ng/ul	98
35) 1-Methylnaphthalene	12.20	142	23835	4.12 ng/ul	97
41) 1,1'-Biphenyl	13.02	154	10593	1.30 ng/ul	97
45) Dimethylphthalate	13.65	163	50654	6.60 ng/ul	98
48) Acenaphthylene	13.92	152	285446	28.78 ng/ul	99
50) Acenaphthene	14.26	153	127686	19.71 ng/ul	99
54) Dibenzofuran	14.60	168	87125	9.28 ng/ul	99
57) Diethylphthalate	15.02	149	14934	2.02 ng/ul	98
59) Fluorene	15.25	166	156824	20.32 ng/ul	99
61) 4-Nitroaniline	15.25	138	1875	1.29 ng/ul#	14
70) Phenanthrene	17.00	178	3241057	258.10 ng/ul	99
72) Anthracene	17.09	178	787736	61.37 ng/ul	99
75) Carbazole	17.37	167	211968	19.82 ng/ul	99
76) Di-n-butylphthalate	17.92	149	23742	1.88 ng/ul#	92
77) Fluoranthene	19.04	202	6227516	453.13 ng/ul#	95
80) Pyrene	19.42	202	6436310	393.79 ng/ul#	93
83) Benzo(a)anthracene	21.16	228	3202737	214.99 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	3181629	379.50 ng/ul	98
85) Chrysene	21.22	228	2957480	215.63 ng/ul	95
87) Di-n-octyl phthalate	21.95	149	15429	1.25 ng/ul	100
88) Benzo(b)fluoranthene	22.72	252	3332161	267.41 ng/ul#	97

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

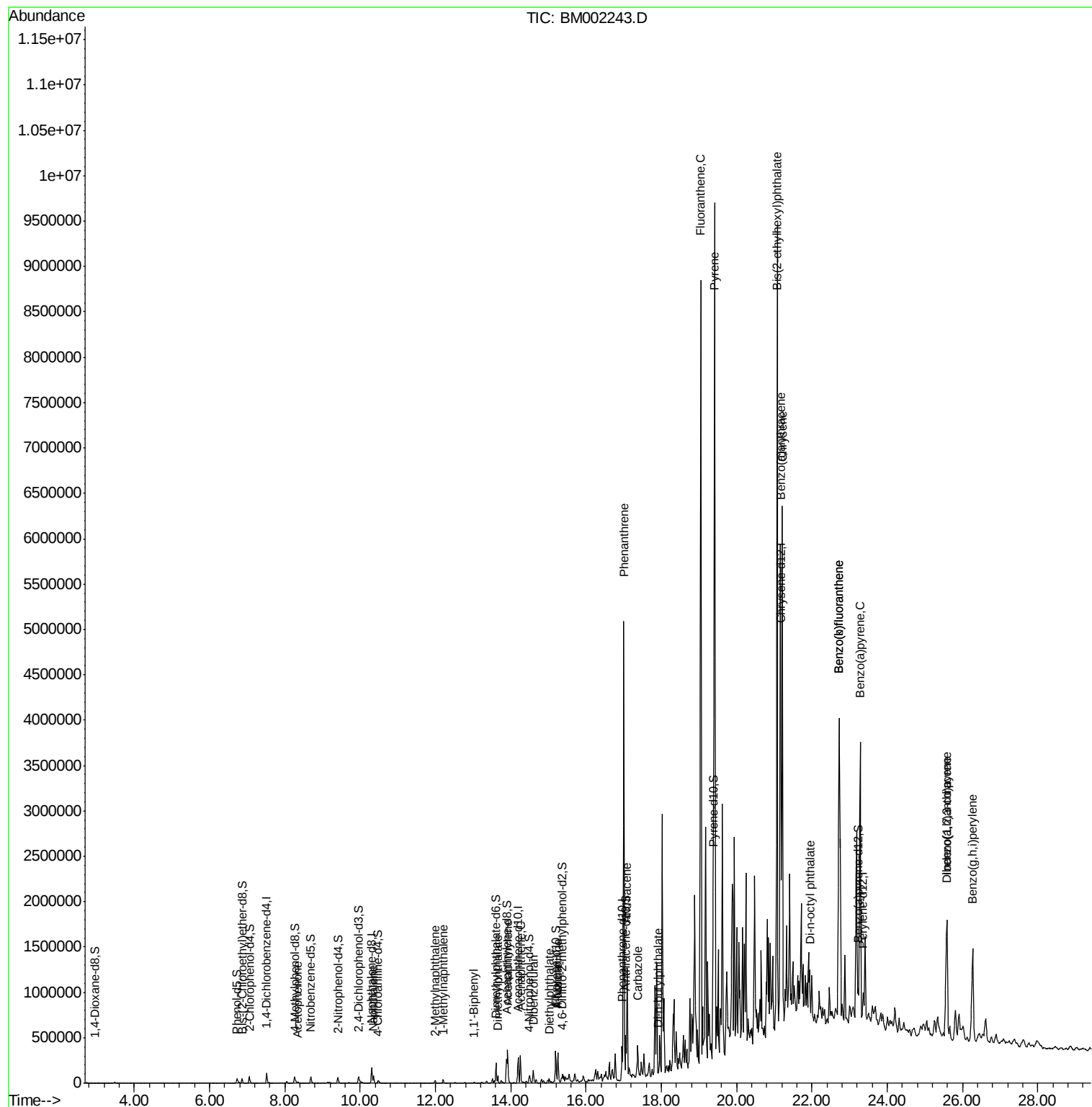
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	22.72	252	1832719	151.87	ng/ul#	97
91) Benzo(a)pyrene	23.28	252	2375913	199.64	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.59	276	1431140	106.72	ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	406237	35.53	ng/ul#	91
94) Benzo(g,h,i)perylene	26.27	276	1290928	115.59	ng/ul	99

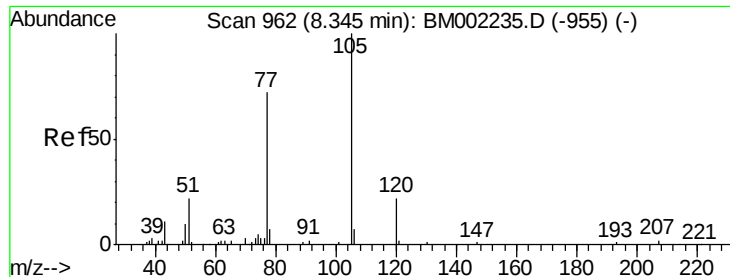
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.17 ng/ul

RT: 8.35 min Scan# 963

Delta R.T. 0.01 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

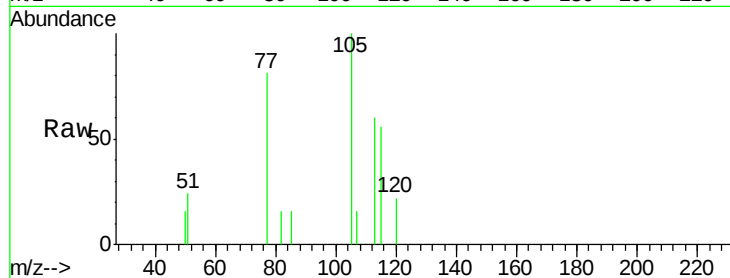
Tot Ion:105 Resp: 4340

Ion Ratio Lower Upper

105 100

77 81.2 60.1 90.1

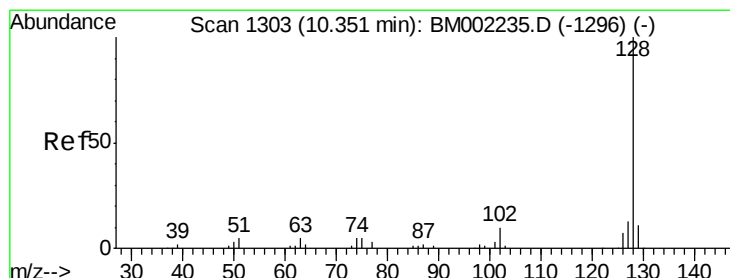
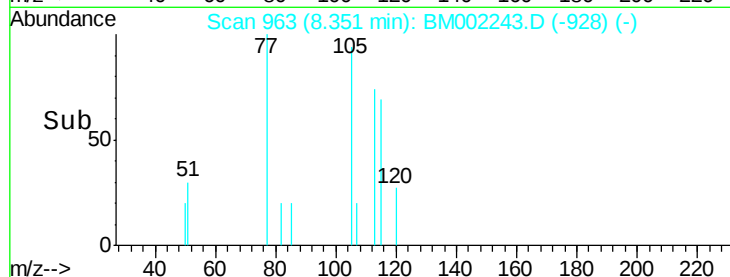
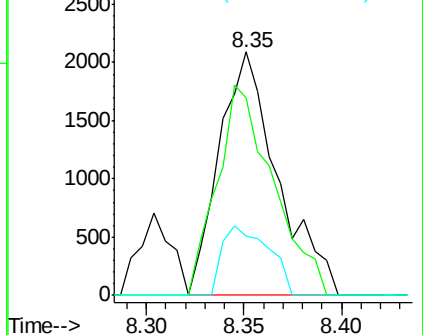
51 24.4 17.8 26.8



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



#28

Naphthalene

Concen: 8.70 ng/ul

RT: 10.35 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

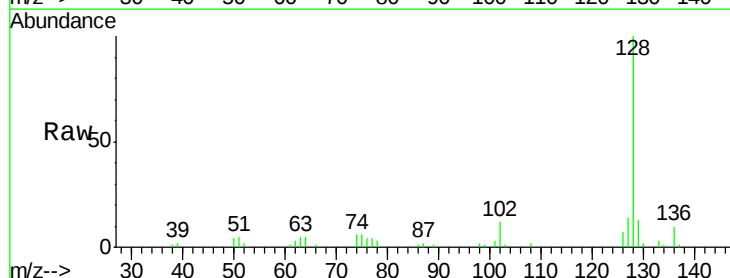
Tgt Ion:128 Resp: 68469

Ion Ratio Lower Upper

128 100

129 12.7 8.2 12.2#

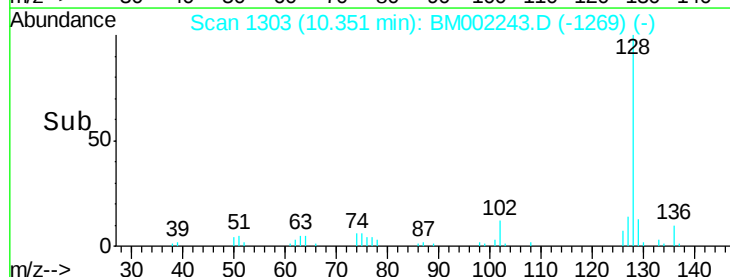
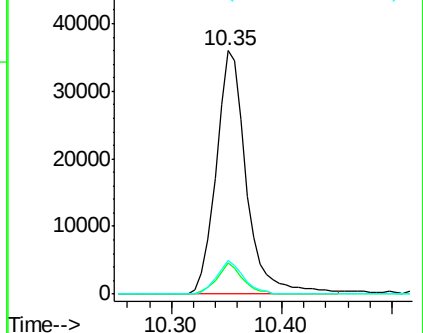
127 14.1 10.1 15.1

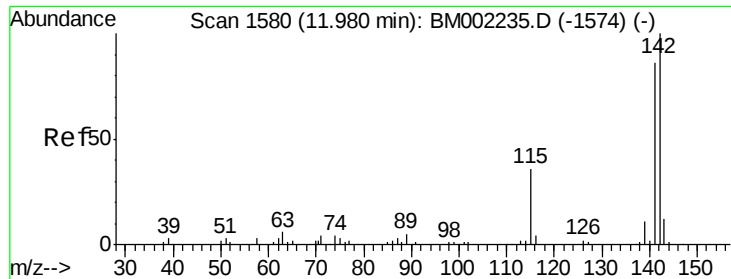


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

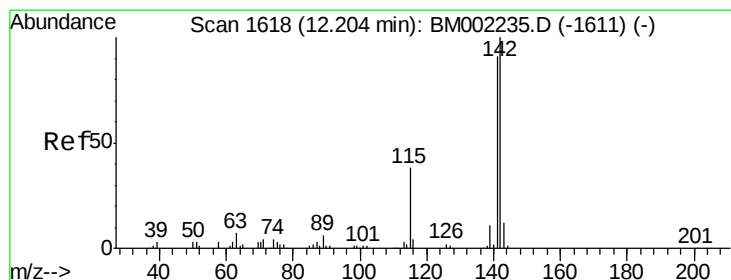
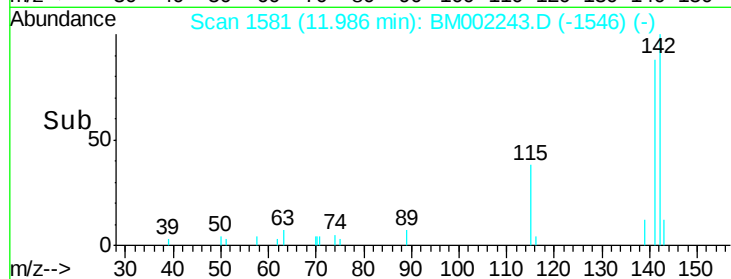
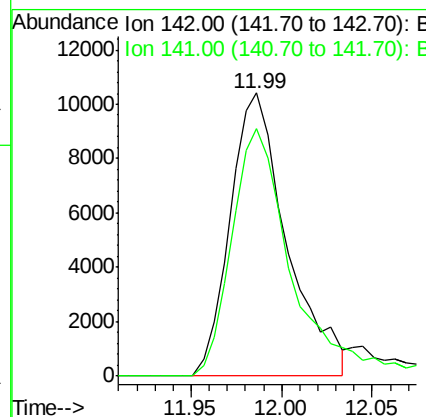
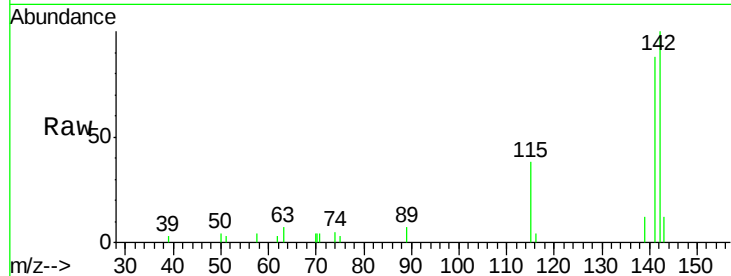




#34
2-Methylnaphthalene
Concen: 3.75 ng/ul
RT: 11.99 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

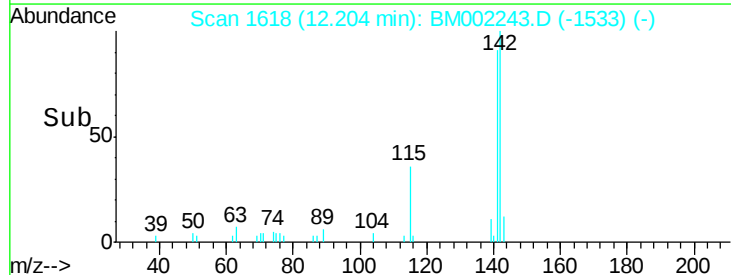
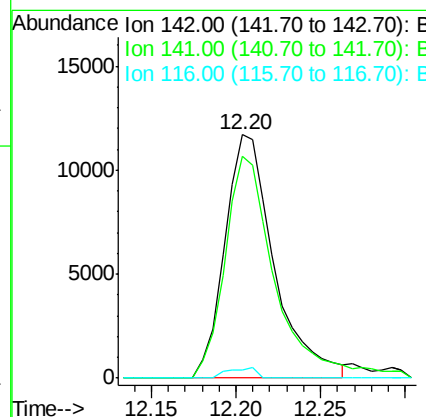
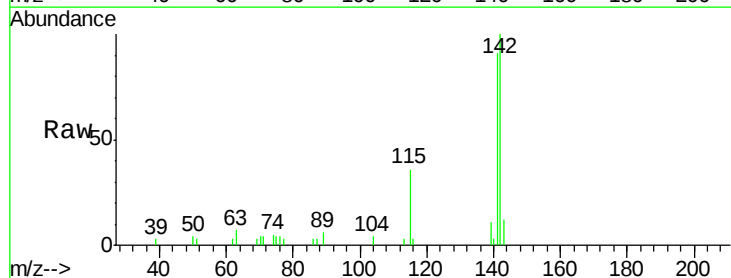
Instrument :
BNA_M
ClientSampleId :

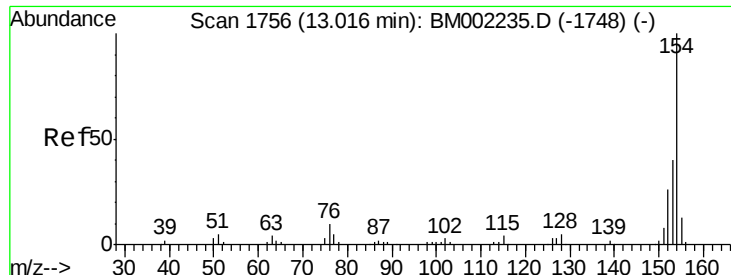
Tot Ion:142 Resp: 22711
Ion Ratio Lower Upper
142 100
141 87.6 68.9 103.3



#35
1-Methylnaphthalene
Concen: 4.12 ng/ul
RT: 12.20 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

Tgt Ion:142 Resp: 23835
Ion Ratio Lower Upper
142 100
141 91.1 71.0 106.4
116 3.4 3.3 4.9

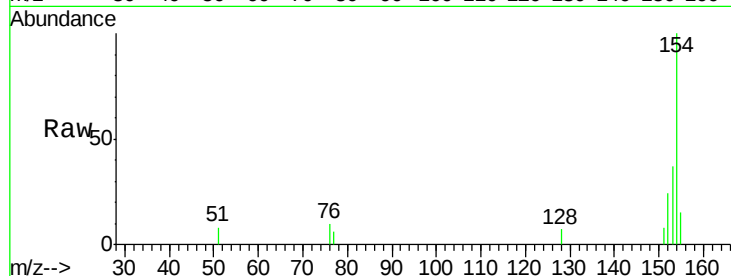




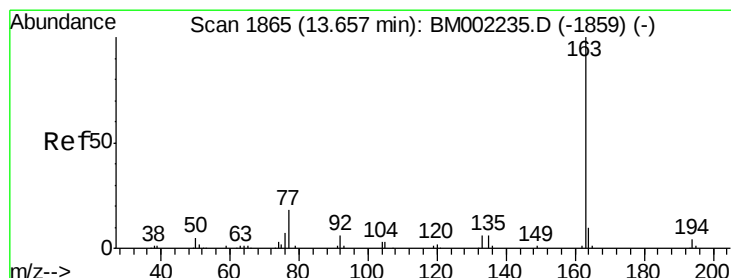
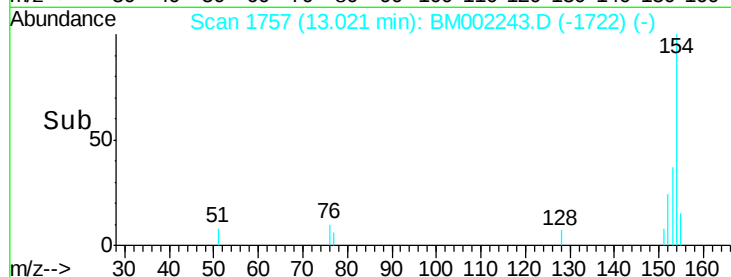
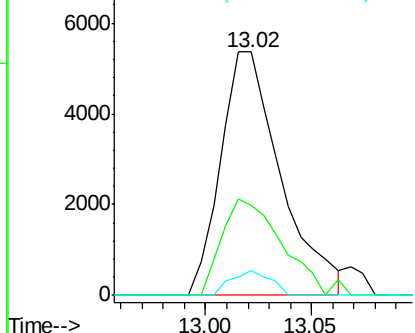
#41
 1,1'-Biphenyl
 Concen: 1.30 ng/ul
 RT: 13.02 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: BM002243.D
 Acq: 05 Aug 2015 21:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:154 Resp: 10593
 Ion Ratio Lower Upper
 154 100
 153 36.7 31.0 46.6
 76 10.2 8.0 12.0

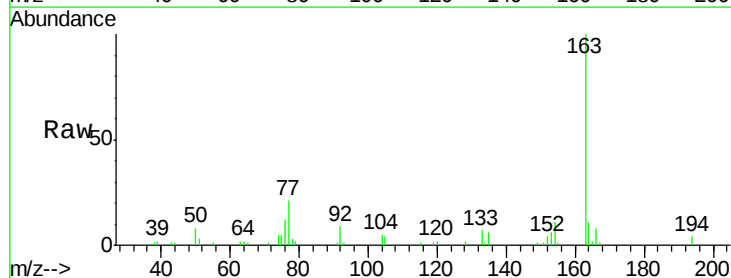


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

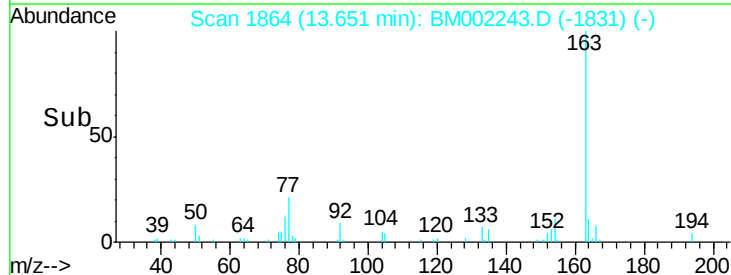
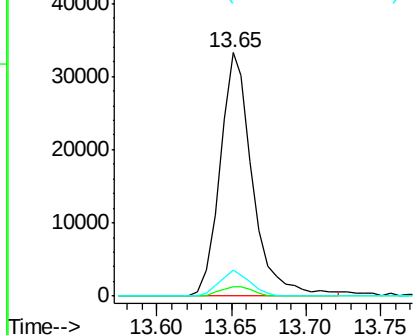


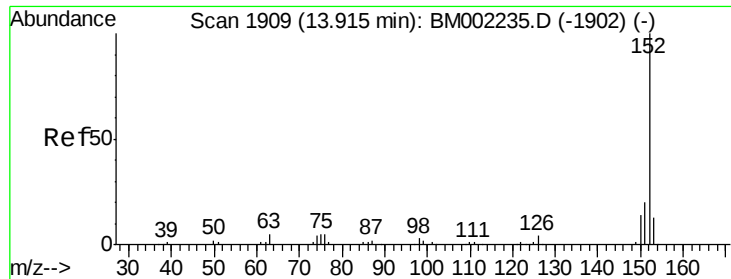
#45
 Dimethylphthalate
 Concen: 6.60 ng/ul
 RT: 13.65 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BM002243.D
 Acq: 05 Aug 2015 21:35

Tgt Ion:163 Resp: 50654
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.4 5.2
 164 10.6 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: 28.78 ng/ul

RT: 13.92 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

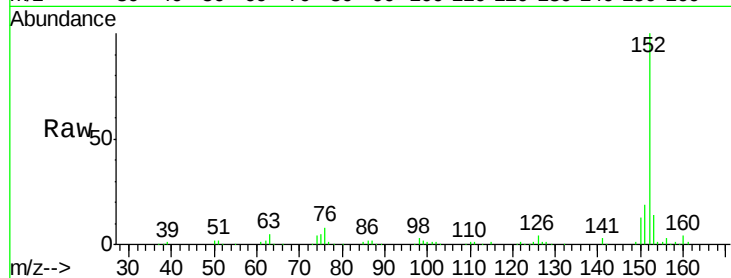
Tot Ion:152 Resp: 285446

Ion Ratio Lower Upper

152 100

151 19.4 15.2 22.8

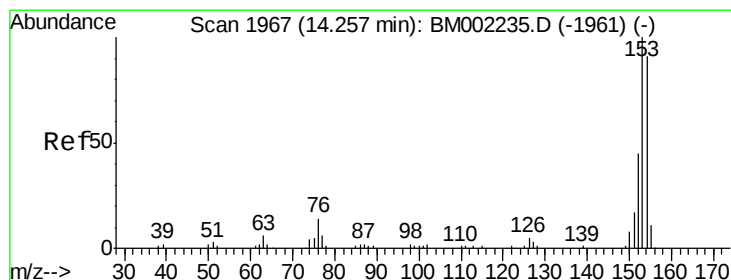
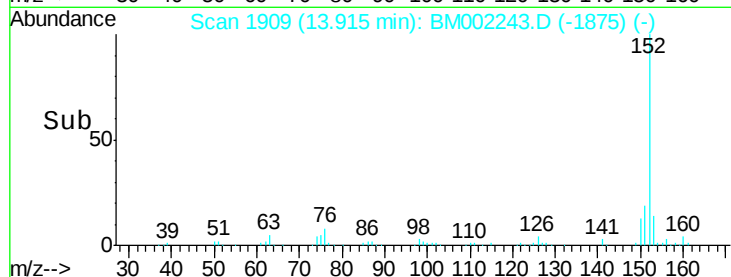
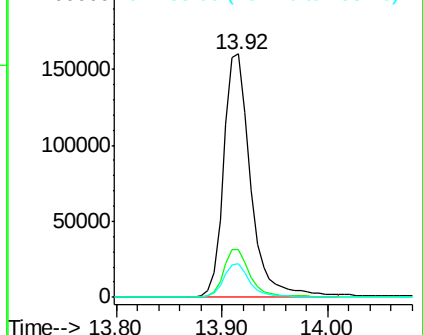
153 13.8 10.3 15.5



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: 19.71 ng/ul

RT: 14.26 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

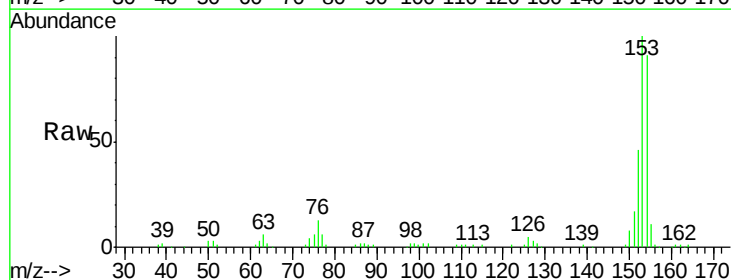
Tgt Ion:153 Resp: 127686

Ion Ratio Lower Upper

153 100

152 45.9 36.6 54.8

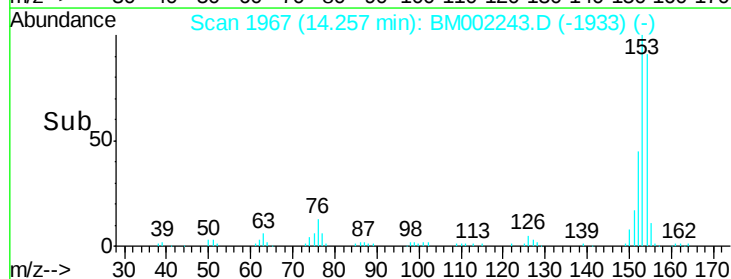
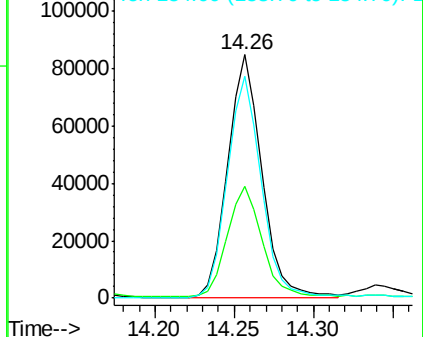
154 91.4 71.7 107.5

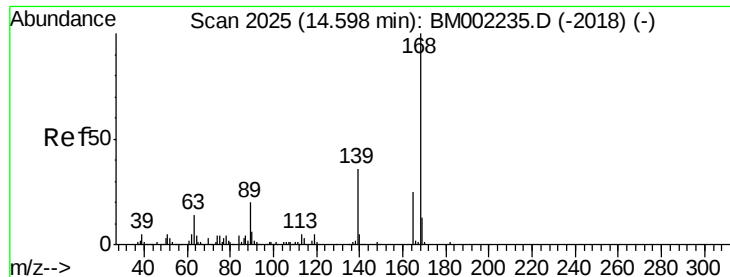


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 9.28 ng/ul

RT: 14.60 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

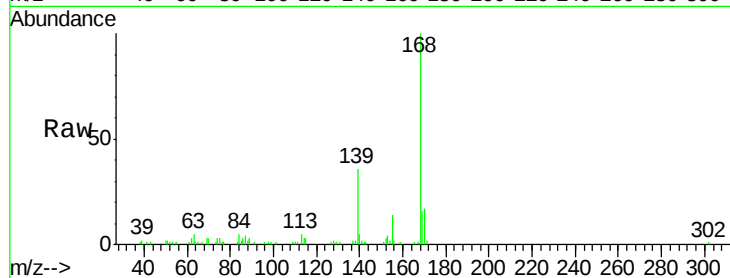
ClientSampleId :

Tot Ion:168 Resp: 87125

Ion Ratio Lower Upper

168 100

139 36.3 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.60

60000

50000

40000

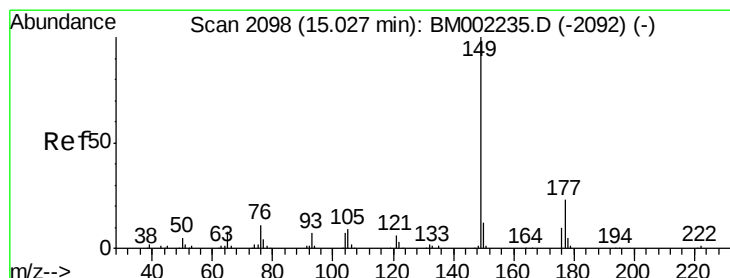
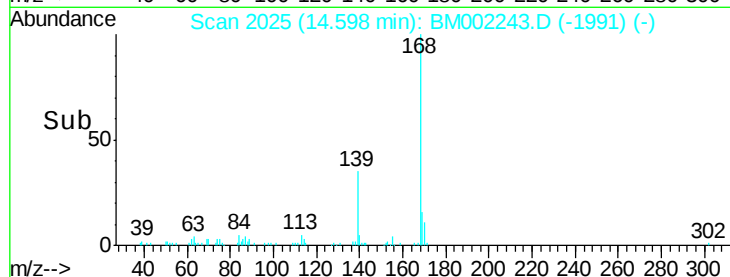
30000

20000

10000

0

Time--> 14.50 14.60 14.70



#57

Diethylphthalate

Concen: 2.02 ng/ul

RT: 15.02 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

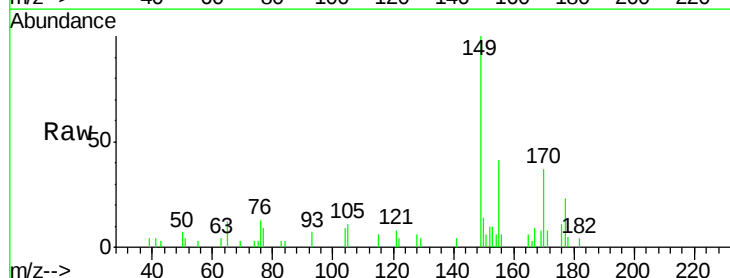
Tgt Ion:149 Resp: 14934

Ion Ratio Lower Upper

149 100

177 22.9 18.8 28.2

150 14.1 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

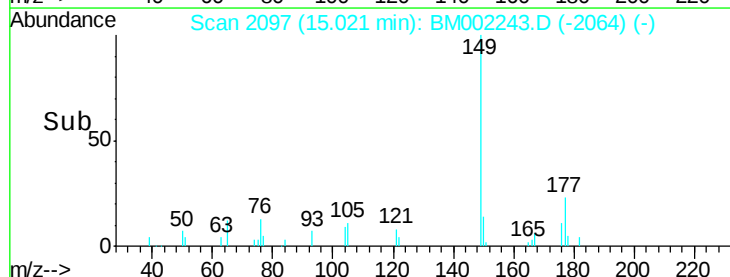
15.02

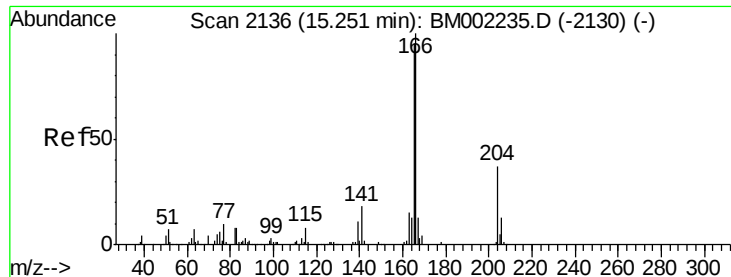
10000

5000

0

Time--> 15.00 15.05





#59

Fluorene

Concen: 20.32 ng/ul

RT: 15.25 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

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ClientSampleId :

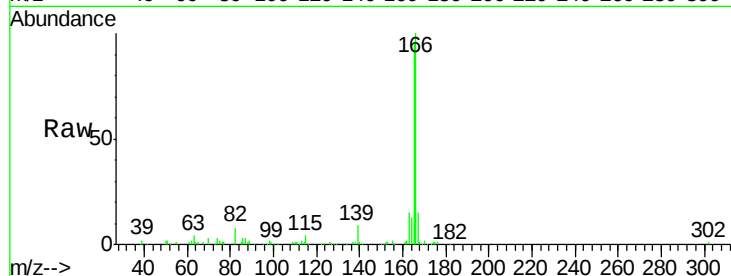
Tot Ion:166 Resp: 156824

Ion Ratio Lower Upper

166 100

165 95.6 76.0 114.0

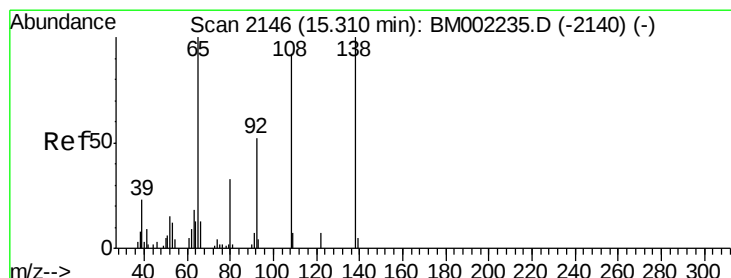
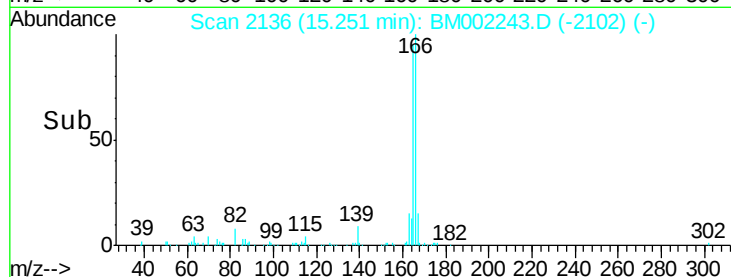
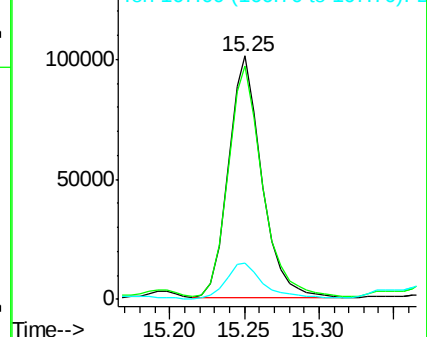
167 15.0 10.5 15.7



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



#61

4-Nitroaniline

Concen: 1.29 ng/ul

RT: 15.25 min Scan# 2136

Delta R.T. -0.06 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

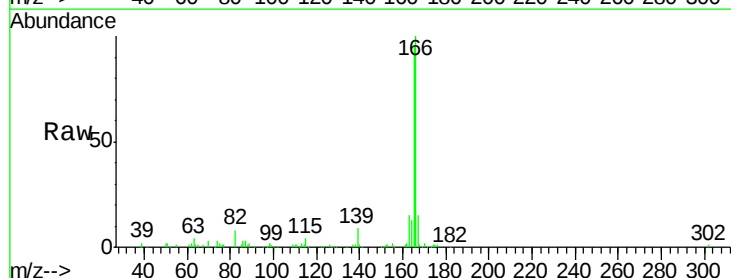
Tgt Ion:138 Resp: 1875

Ion Ratio Lower Upper

138 100

92 0.0 37.9 56.9#

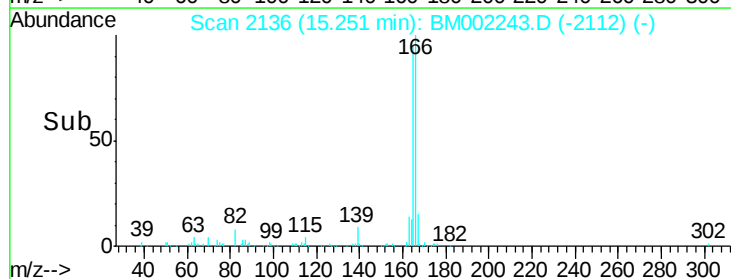
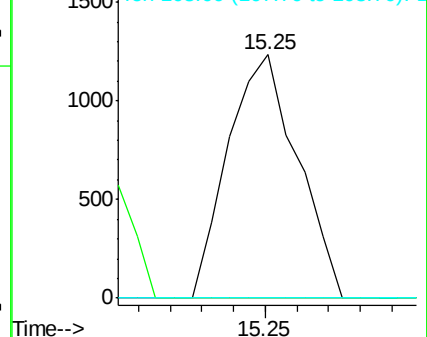
108 0.0 70.4 105.6#

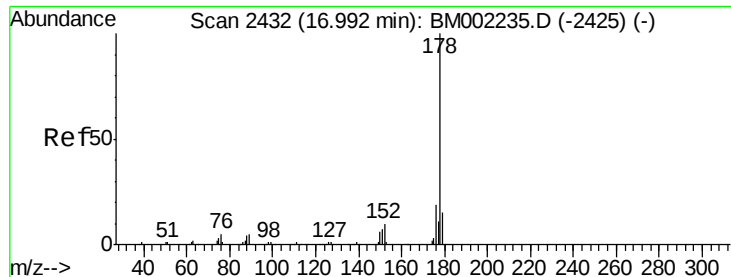


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 258.10 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

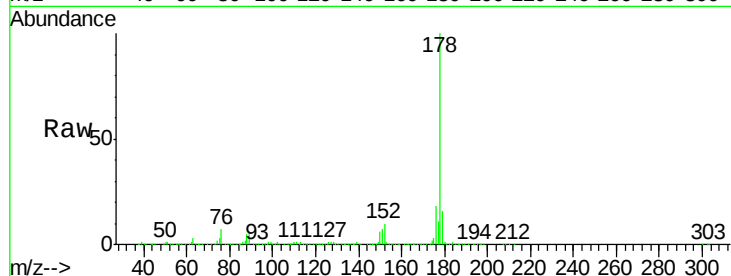
Tot Ion:178 Resp: 3241057

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

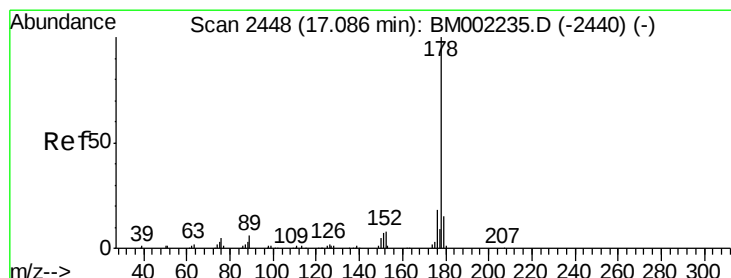
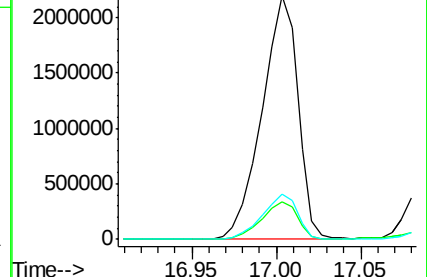
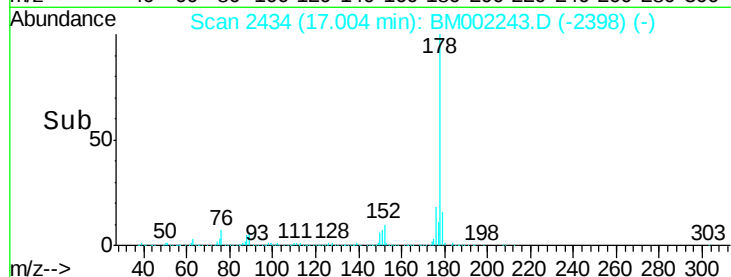
176 18.4 14.6 21.8



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: 61.37 ng/ul

RT: 17.09 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

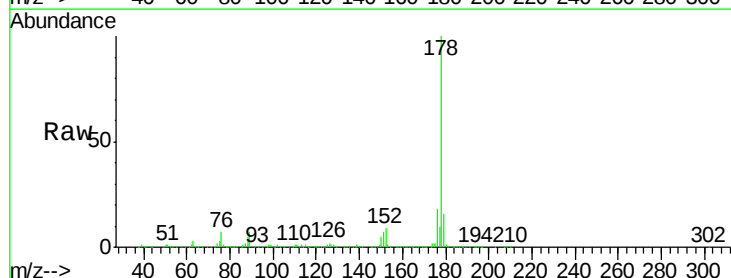
Tgt Ion:178 Resp: 787736

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

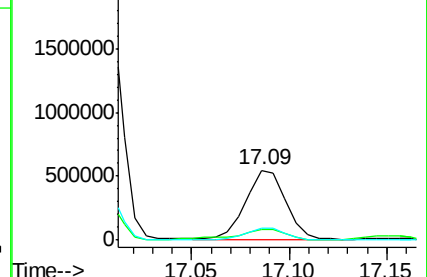
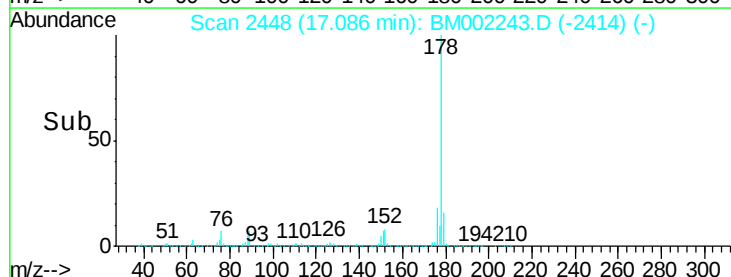
176 17.7 13.8 20.6

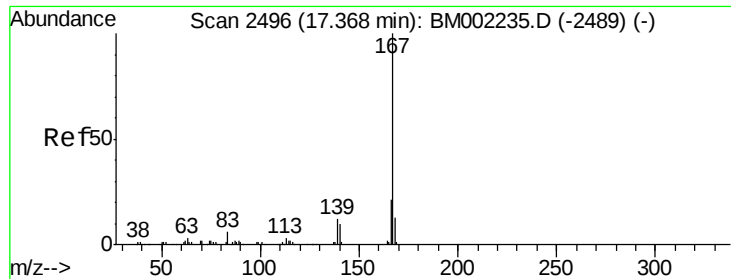


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

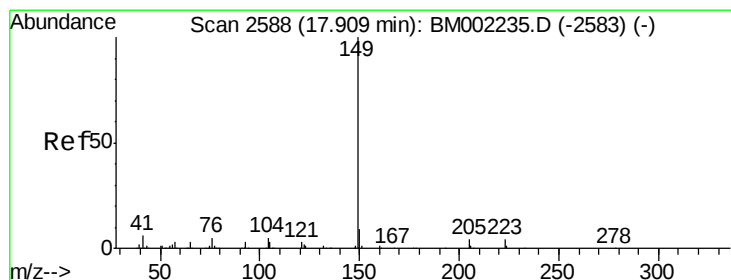
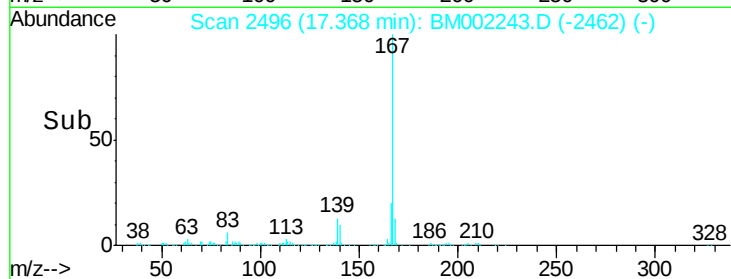
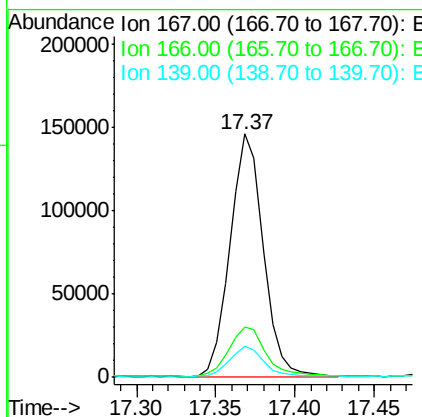
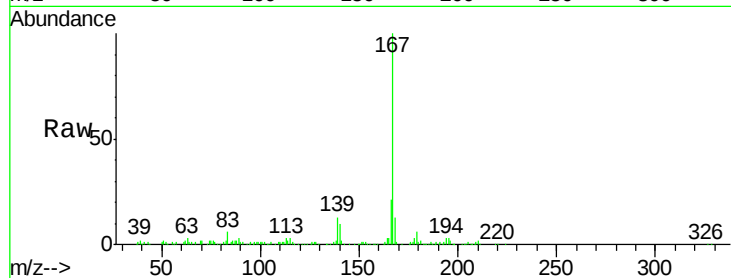




#75
 Carbazole
 Concen: 19.82 ng/ul
 RT: 17.37 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: BM002243.D
 Acq: 05 Aug 2015 21:35

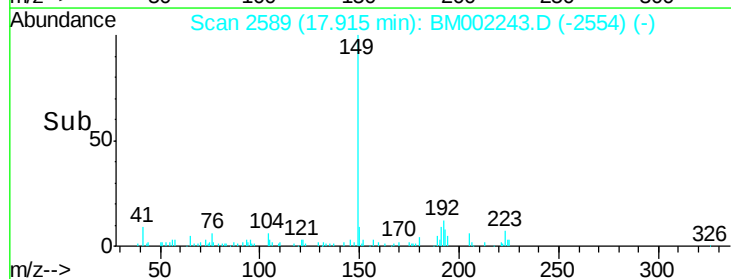
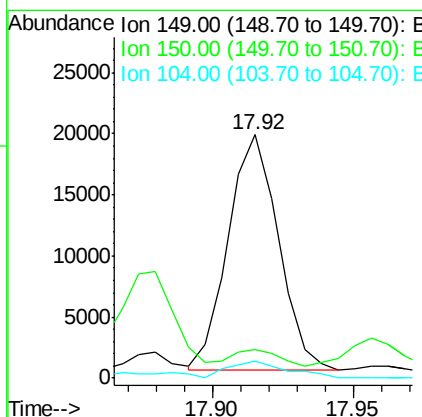
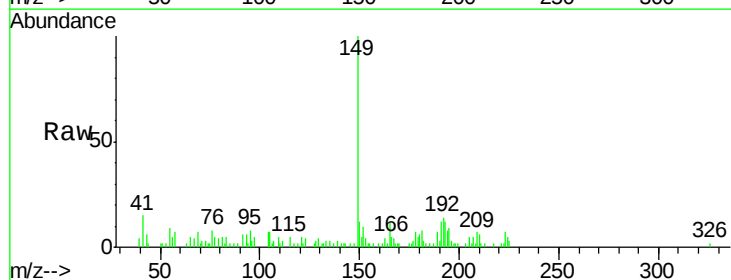
Instrument :
 BNA_M
 ClientSampleId :

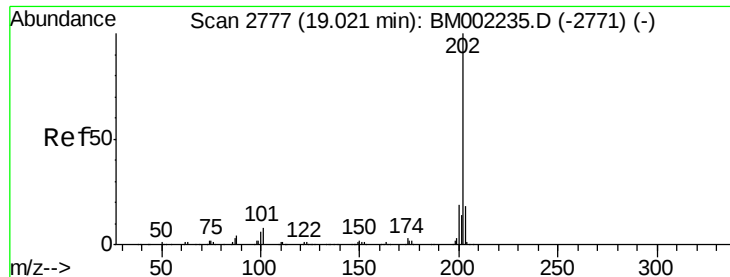
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.7	25.1
139	12.8	9.4	14.2



#76
 Di-n-butylphthalate
 Concen: 1.88 ng/ul
 RT: 17.92 min Scan# 2589
 Delta R.T. 0.01 min
 Lab File: BM002243.D
 Acq: 05 Aug 2015 21:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.9	7.0	10.4#
104	7.1	4.0	6.0#





#77

Fluoranthene

Concen: 453.13 ng/ul

RT: 19.04 min Scan# 2781

Delta R.T. 0.02 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

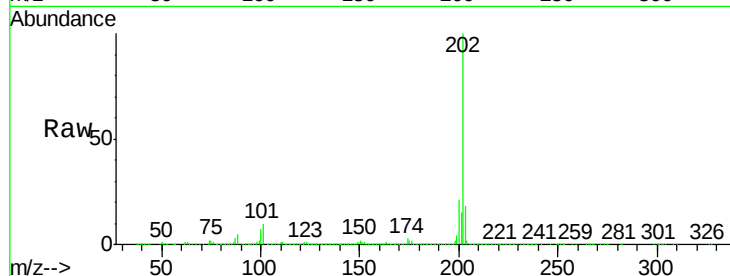
Tot Ion:202 Resp: 6227516

Ion Ratio Lower Upper

202 100

101 9.7 6.2 9.2#

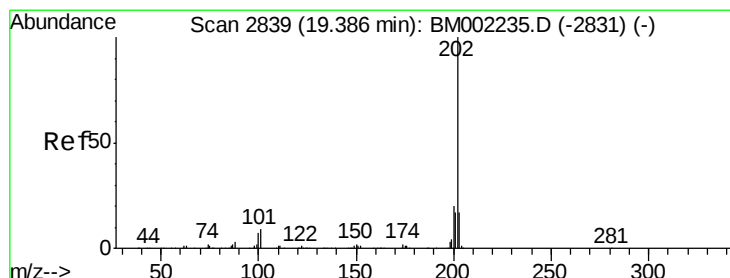
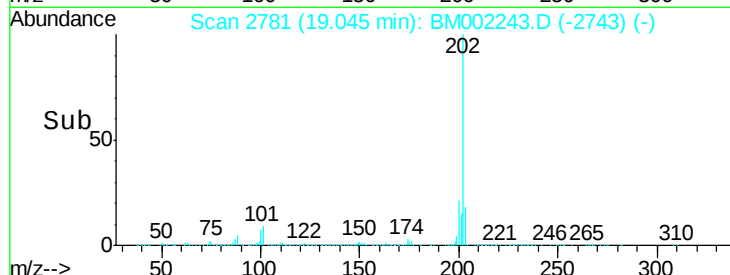
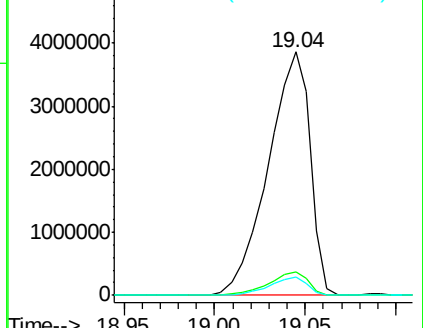
100 7.5 4.8 7.2#



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

Pyrene

Concen: 393.79 ng/ul

RT: 19.42 min Scan# 2844

Delta R.T. 0.03 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

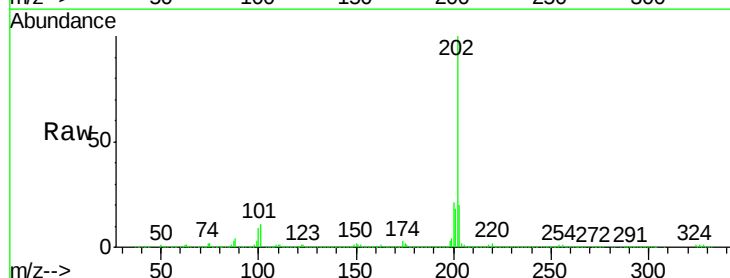
Tgt Ion:202 Resp: 6436310

Ion Ratio Lower Upper

202 100

101 11.4 7.0 10.6#

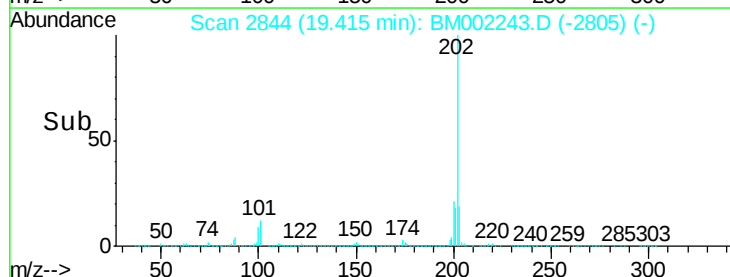
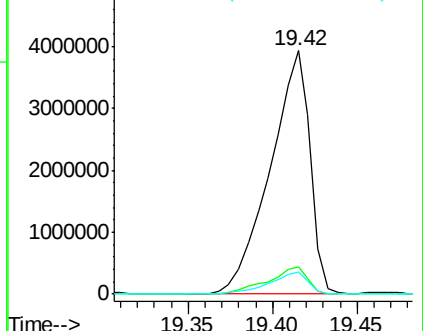
100 9.4 5.8 8.8#

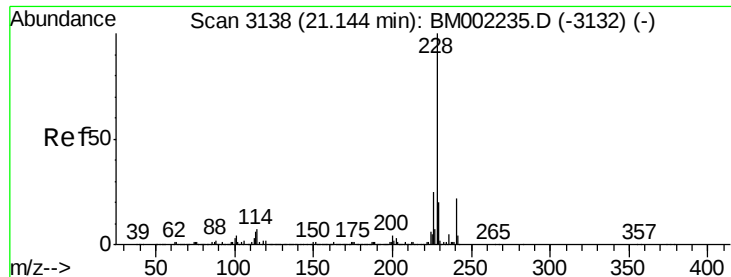


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 214.99 ng/ul

RT: 21.16 min Scan# 3141

Delta R.T. 0.02 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

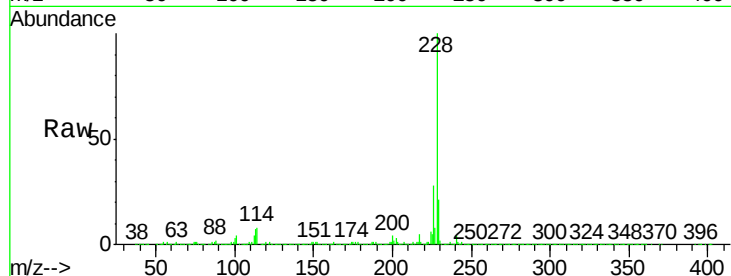
Tot Ion:228 Resp: 3202737

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	28.1	20.6	31.0

228 100

229 20.7 15.9 23.9

226 28.1 20.6 31.0

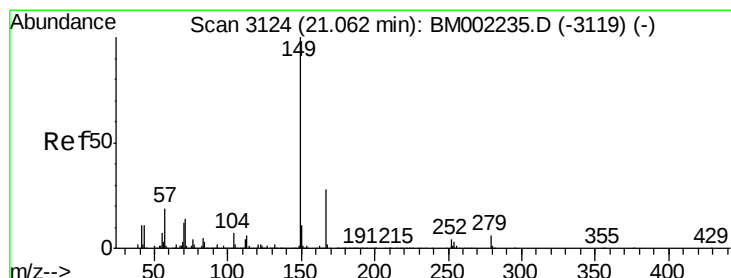
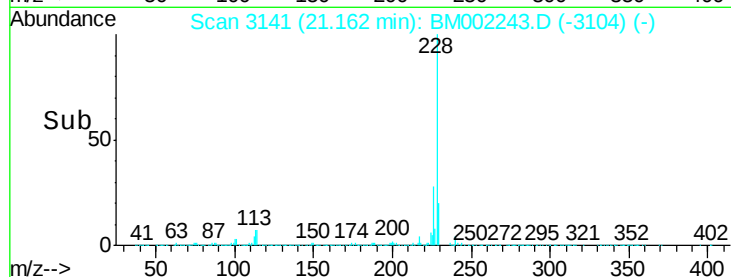
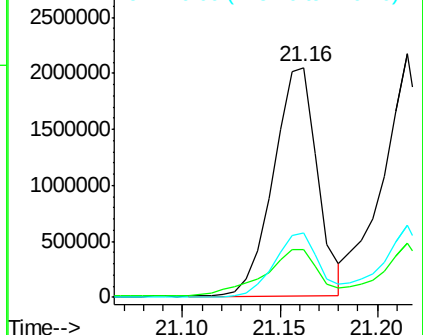


Abundance

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

Bis(2-ethylhexyl)phthalate

Concen: 379.50 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

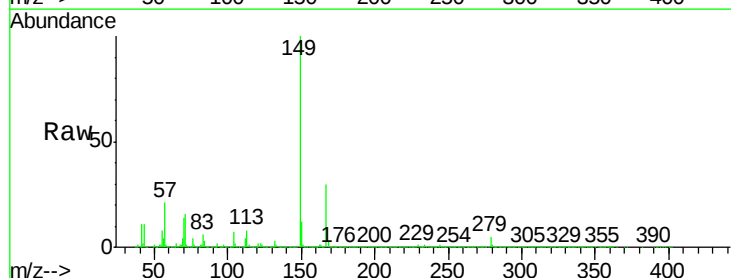
Tgt Ion:149 Resp: 3181629

Ion	Ratio	Lower	Upper
149	100		
167	30.1	23.0	34.4
279	5.5	4.0	6.0

149 100

167 30.1 23.0 34.4

279 5.5 4.0 6.0

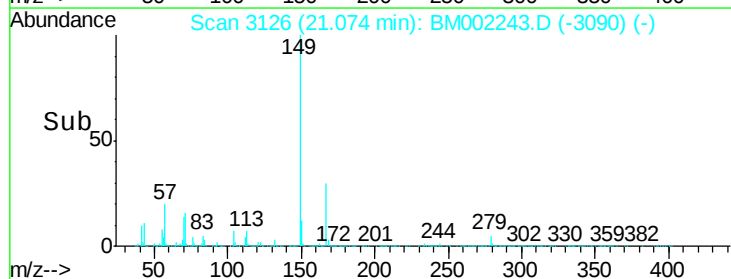
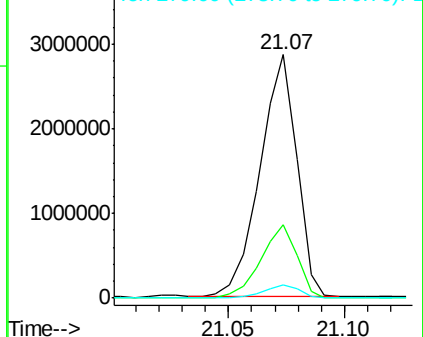


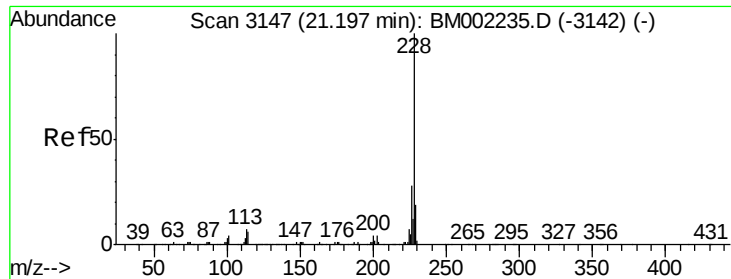
Abundance

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: 215.63 ng/ul

RT: 21.22 min Scan# 3150

Delta R.T. 0.02 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

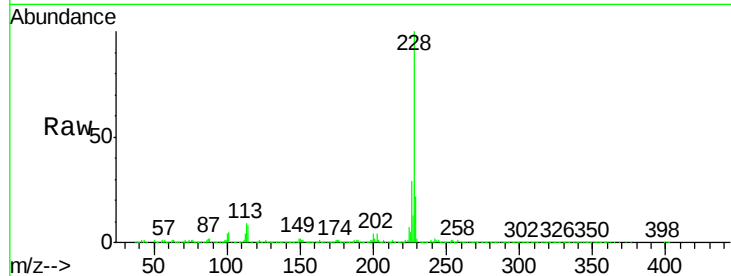
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2957480

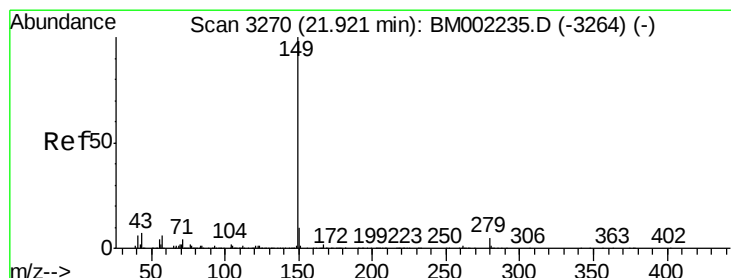
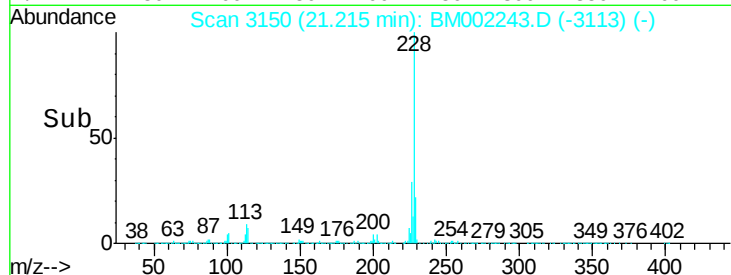
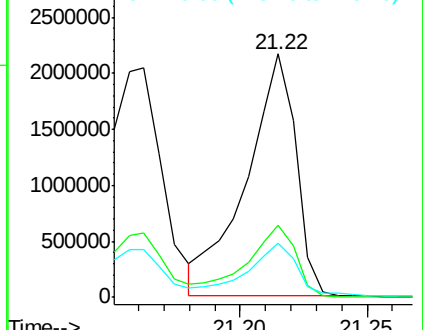
Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	22.4	15.5	23.3



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



#87

Di-n-octyl phthalate

Concen: 1.25 ng/ul

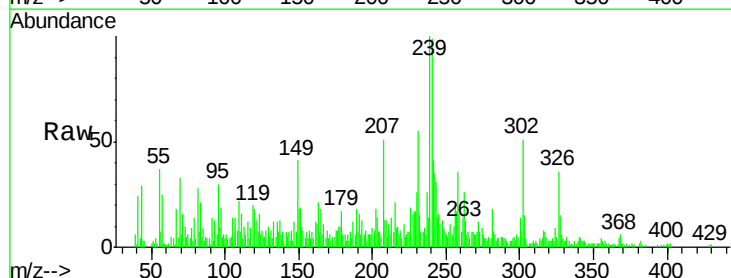
RT: 21.95 min Scan# 3275

Delta R.T. 0.03 min

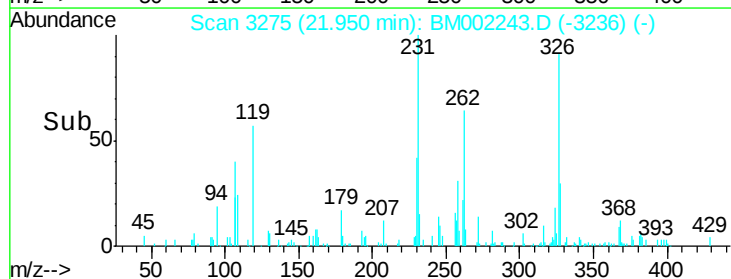
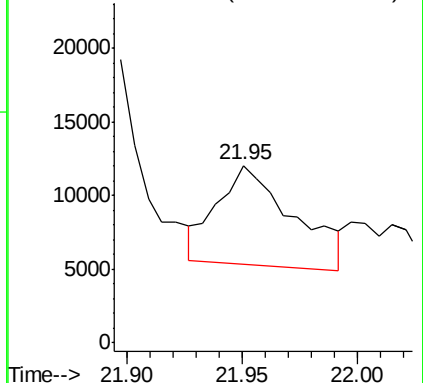
Lab File: BM002243.D

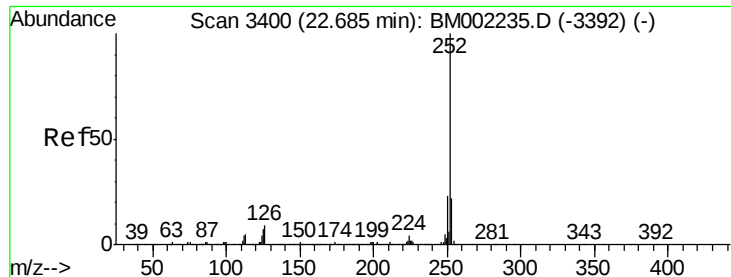
Acq: 05 Aug 2015 21:35

Tgt Ion:149 Resp: 15429



Abundance Ion 149.00 (148.70 to 149.70): E

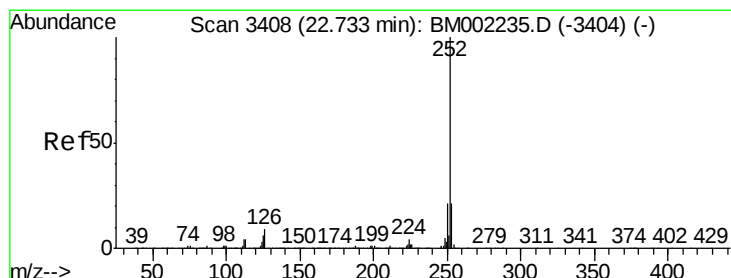
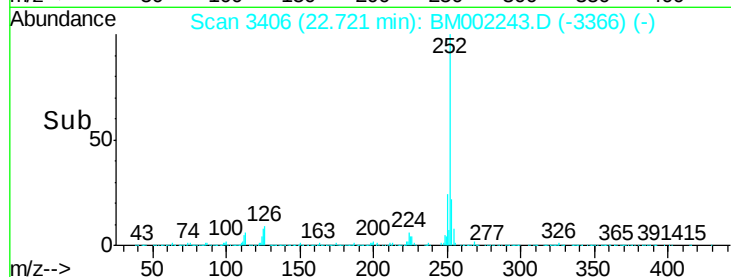
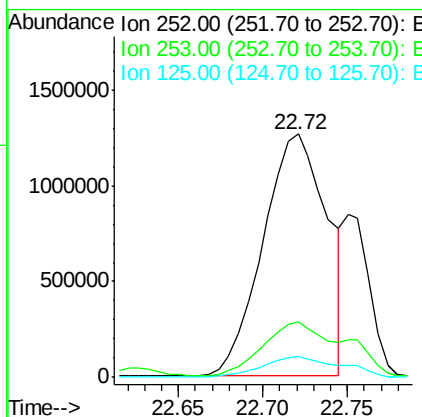
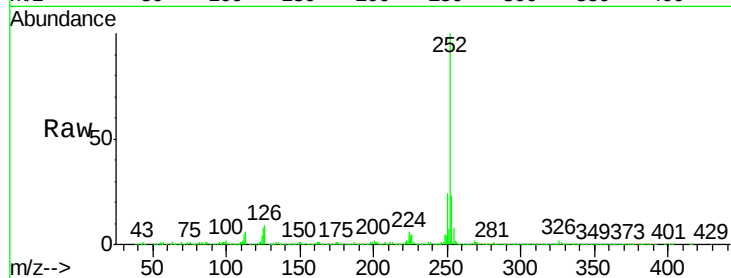




#88
Benzo(b)fluoranthene
Concen: 267.41 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. 0.04 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

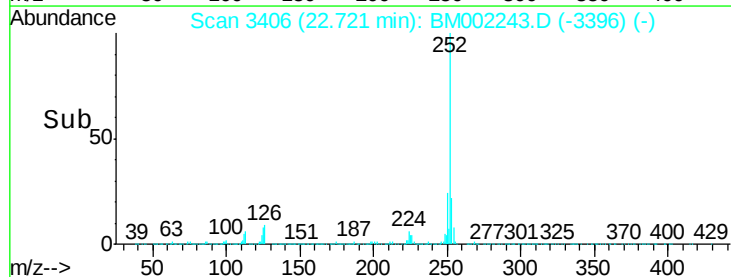
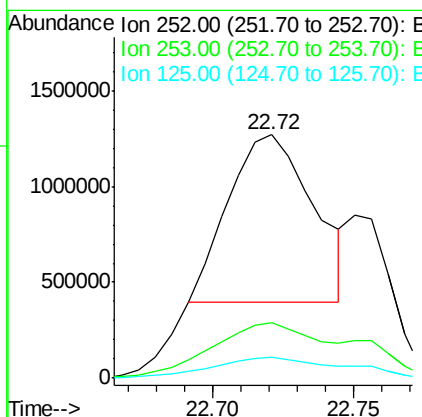
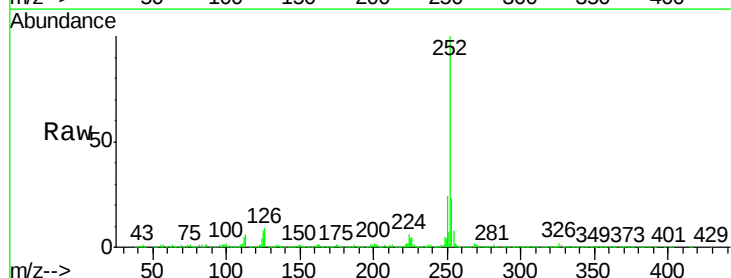
Instrument :
BNA_M
ClientSampleId :

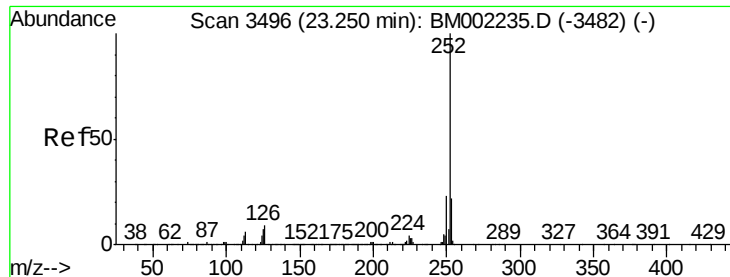
Tot Ion:252 Resp: 3332161
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 8.5 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 151.87 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

Tgt Ion:252 Resp: 1832719
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 8.5 5.6 8.4#

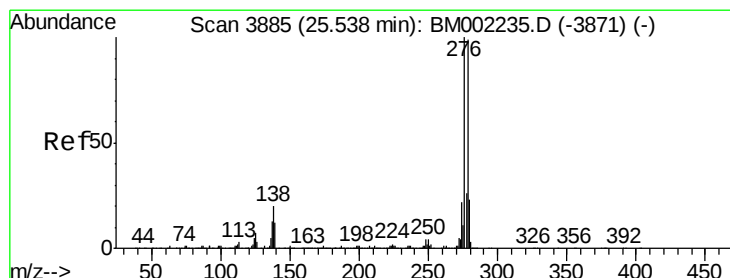
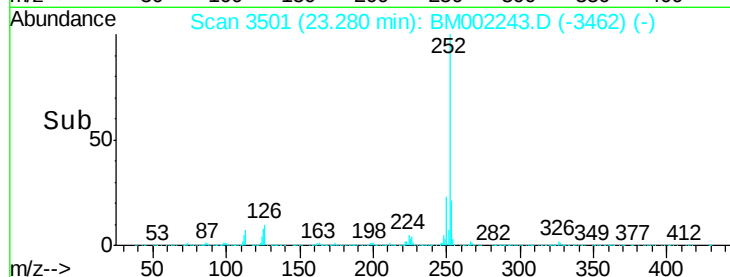
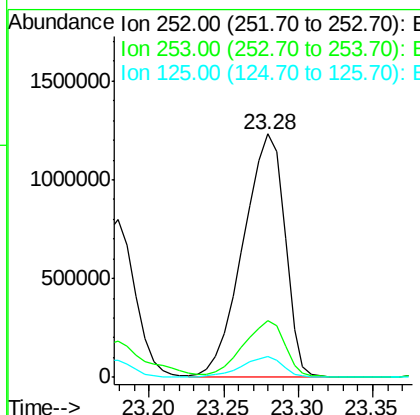
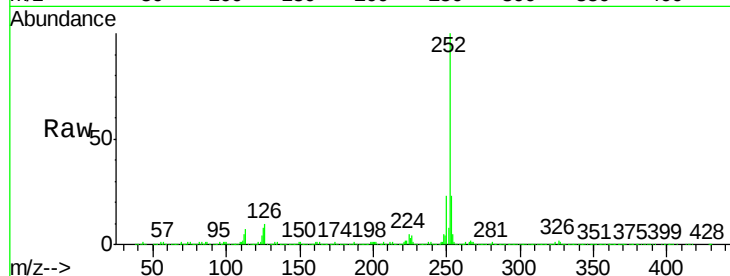




#91
Benzo(a)pyrene
Concen: 199.64 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.03 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

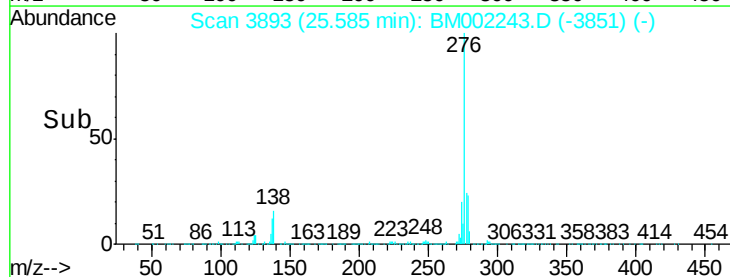
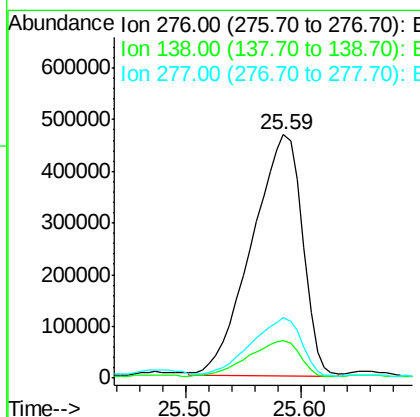
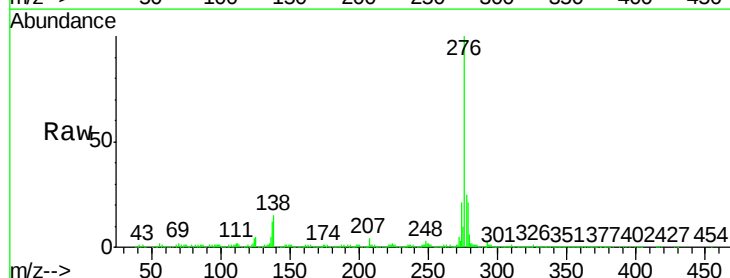
Instrument :
BNA_M
ClientSampleId :

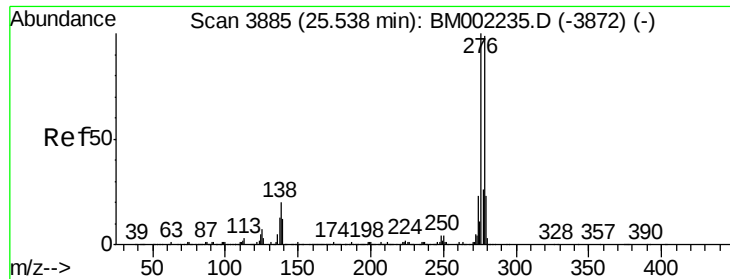
Tot Ion:252 Resp: 2375913
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 8.4 6.1 9.1



#92
Indeno(1,2,3-cd)pyrene
Concen: 106.72 ng/ul
RT: 25.59 min Scan# 3893
Delta R.T. 0.05 min
Lab File: BM002243.D
Acq: 05 Aug 2015 21:35

Tgt Ion:276 Resp: 1431140
Ion Ratio Lower Upper
276 100
138 15.4 15.4 23.0
277 24.7 20.2 30.2





#93

Dibenzo(a,h)anthracene

Concen: 35.53 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

Instrument :

BNA_M

ClientSampleId :

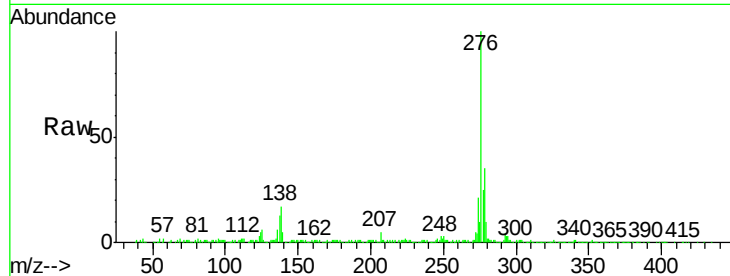
Tot Ion:278 Resp: 406237

Ion Ratio Lower Upper

278 100

139 14.1 10.4 15.6

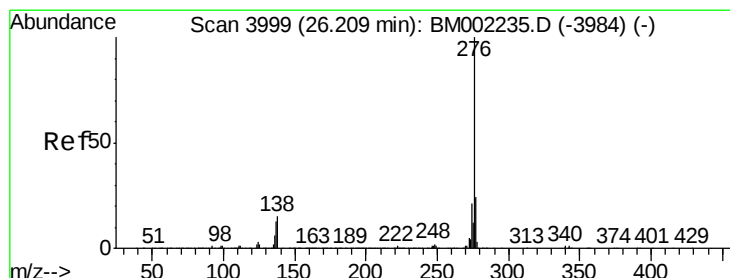
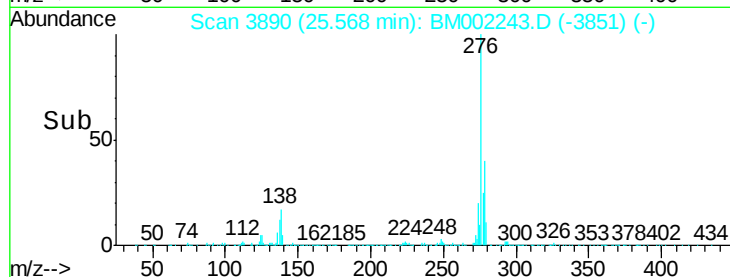
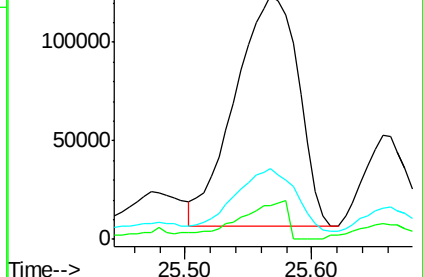
279 28.8 17.9 26.9#



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(g,h,i)perylene

Concen: 115.59 ng/ul

RT: 26.27 min Scan# 4009

Delta R.T. 0.06 min

Lab File: BM002243.D

Acq: 05 Aug 2015 21:35

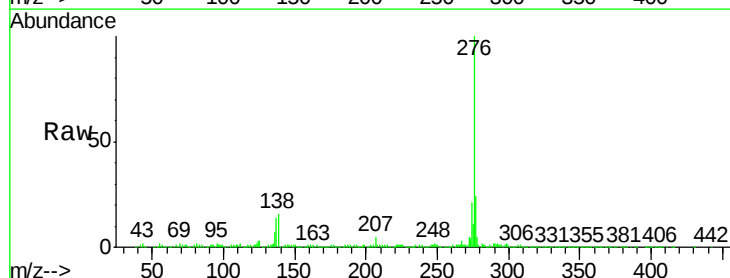
Tgt Ion:276 Resp: 1290928

Ion Ratio Lower Upper

276 100

138 16.1 12.5 18.7

277 24.4 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

