

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002135.D
 Acq On : 30 Jul 2015 14:14
 Operator : TP/UM
 Sample : G3030-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

Quant Time: Jul 31 01:29:07 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 01:27:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	126860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	510745	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	276698	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	560571	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	661559	20.00	ng/ul	0.02
86) Perylene-d12	23.44	264	667764	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	9527	3.89	ng/uL	0.00
5) Phenol-d5	6.77	99	231743	25.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	125305	24.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	198541	25.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	190776	26.46	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	96317	26.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	107741	26.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	200399	25.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	132668	15.54	ng/ul	0.02
44) Dimethylphthalate-d6	13.67	166	543042	26.79	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	626049	24.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	70325	20.79	ng/ul	0.01
58) Fluorene-d10	15.26	176	417475	23.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	27676	8.07	ng/ul	0.01
71) Anthracene-d10	17.11	188	599379	23.95	ng/ul	0.00
79) Pyrene-d10	19.42	212	641606	23.04	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.30	264	672309	20.77	ng/ul	0.04

Target Compounds

					Qvalue	
6) Phenol	6.80	94	10501	1.13	ng/ul#	87
28) Naphthalene	10.43	128	115417	4.76	ng/ul	100
34) 2-Methylnaphthalene	12.05	142	67113	3.80	ng/ul	100
35) 1-Methylnaphthalene	12.27	142	57114	3.36	ng/ul	98
41) 1,1'-Biphenyl	13.08	154	25634	1.20	ng/ul	94
45) Dimethylphthalate	13.72	163	270833	13.38	ng/ul	99
48) Acenaphthylene	13.97	152	49284	1.88	ng/ul#	95
50) Acenaphthene	14.32	153	398497	23.25	ng/ul	99
54) Dibenzofuran	14.66	168	218030	8.87	ng/ul	98
59) Fluorene	15.31	166	344388	16.95	ng/ul	99
70) Phenanthrene	17.06	178	4755478	163.78	ng/ul	98
72) Anthracene	17.14	178	1185843	39.95	ng/ul	100
75) Carbazole	17.42	167	444390	17.53	ng/ul	99
76) Di-n-butylphthalate	17.97	149	446878	14.78	ng/ul	98
77) Fluoranthene	19.10	202	7132367	212.74	ng/ul#	94
80) Pyrene	19.46	202	6108308	169.68	ng/ul#	93
81) Butylbenzylphthalate	20.35	149	66373	4.83	ng/ul	93
83) Benzo(a)anthracene	21.22	228	3700370	100.90	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	312126	14.83	ng/ul	98
85) Chrysene	21.27	228	3404108	99.21	ng/ul	95
88) Benzo(b)fluoranthene	22.79	252	4576680	121.97	ng/ul#	96
89) Benzo(k)fluoranthene	22.79	252	1396595	38.58	ng/ul#	97
91) Benzo(a)pyrene	23.36	252	3066967	84.68	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

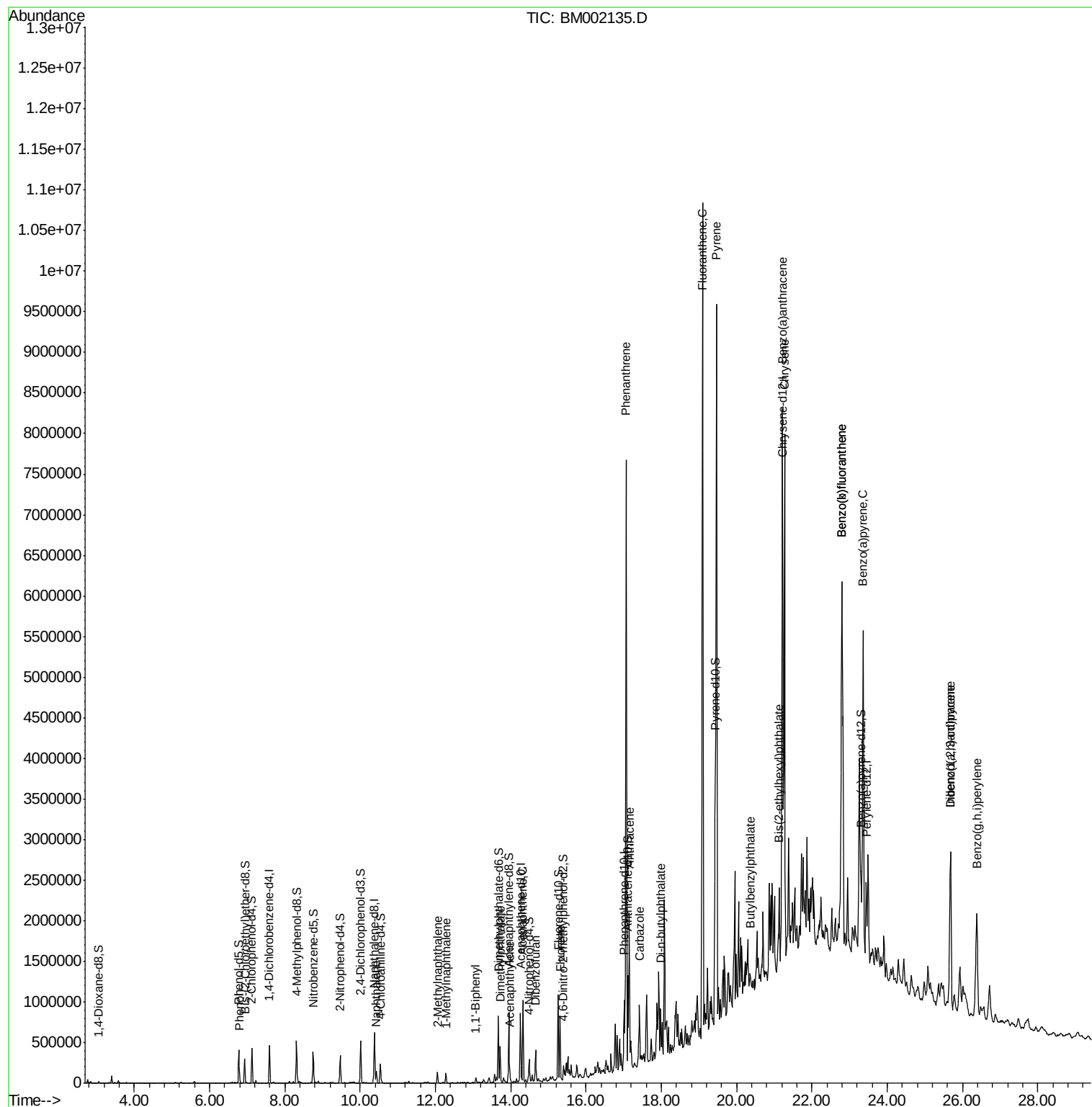
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.69	276	1967272	47.14	ng/ul	97
93) Dibenzo(a,h)anthracene	25.68	278	549500	15.38	ng/ul#	92
94) Benzo(g,h,i)perylene	26.37	276	1623274	46.40	ng/ul	98

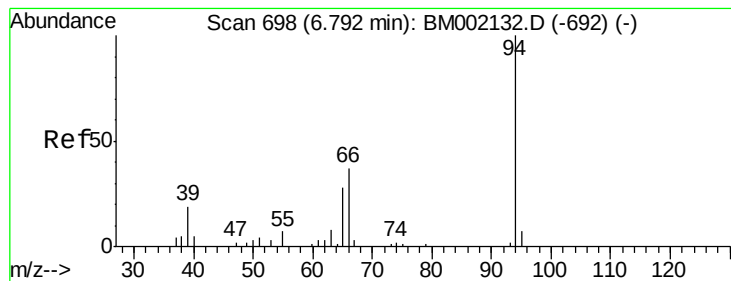
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.13 ng/ul

RT: 6.80 min Scan# 699

Delta R.T. 0.01 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

BNA_M

ClientSampleId :

C01MORE

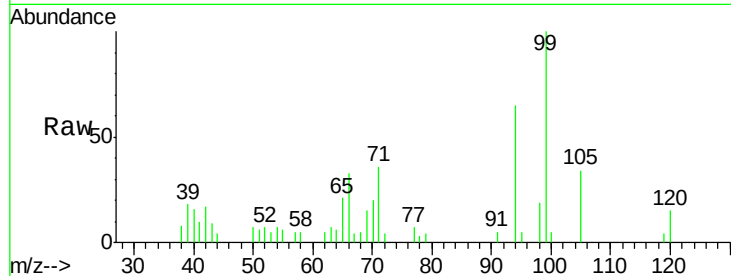
Tgt Ion: 94 Resp: 10501

Ion Ratio Lower Upper

94 100

65 31.7 21.8 32.8

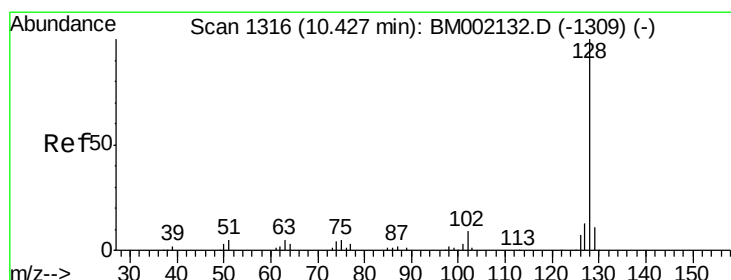
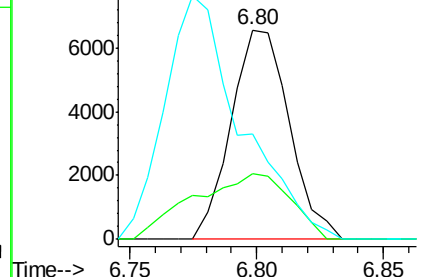
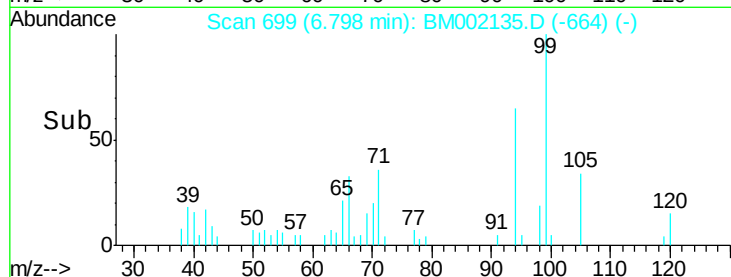
66 50.5 32.3 48.5#



Abundance Ion 94.00 (93.70 to 94.70): BM002132.D (-692) (-)

Ion 65.00 (64.70 to 65.70): BM002132.D (-692) (-)

Ion 66.00 (65.70 to 66.70): BM002132.D (-692) (-)



#28

Naphthalene

Concen: 4.76 ng/ul

RT: 10.43 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

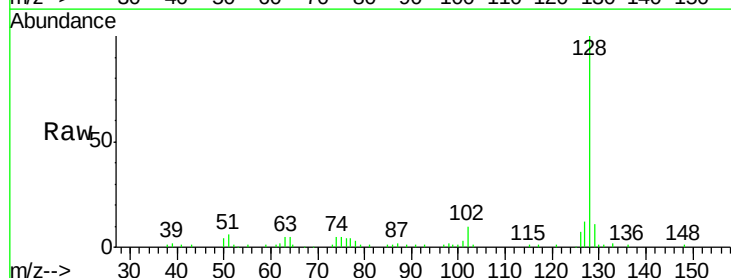
Tgt Ion: 128 Resp: 115417

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

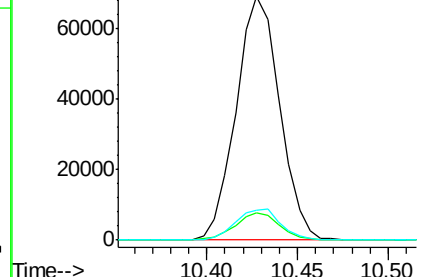
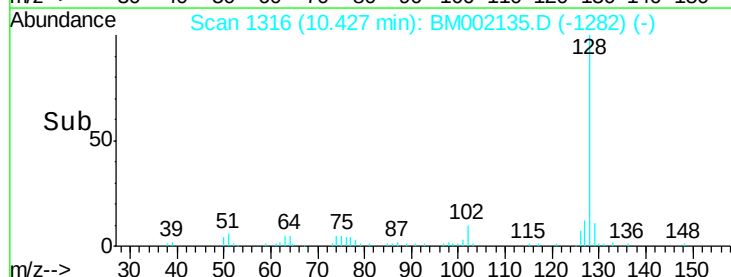
127 12.5 10.2 15.4

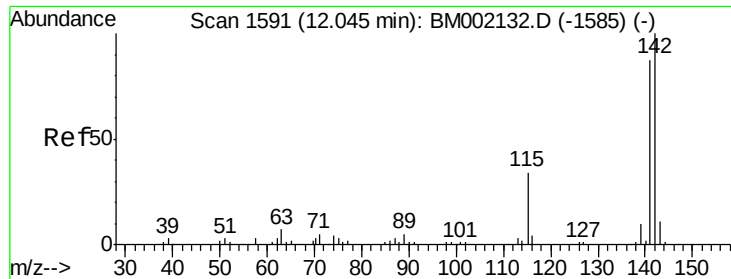


Abundance Ion 128.00 (127.70 to 128.70): BM002132.D (-1309) (-)

Ion 129.00 (128.70 to 129.70): BM002132.D (-1309) (-)

Ion 127.00 (126.70 to 127.70): BM002132.D (-1309) (-)

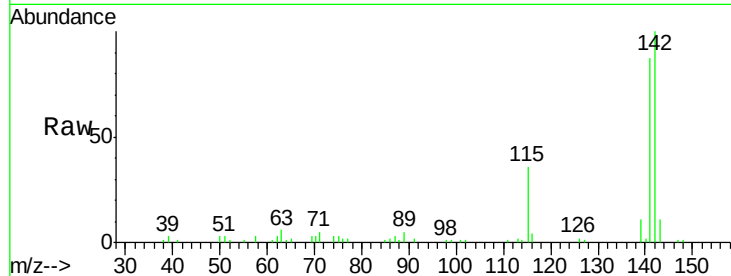




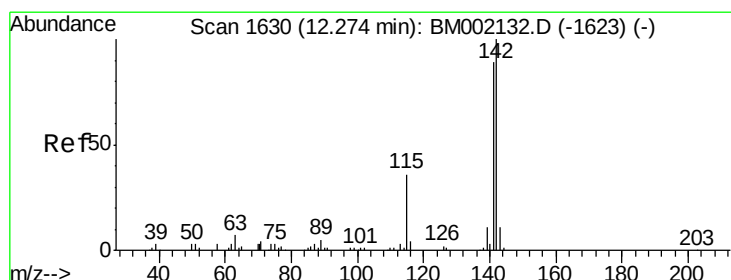
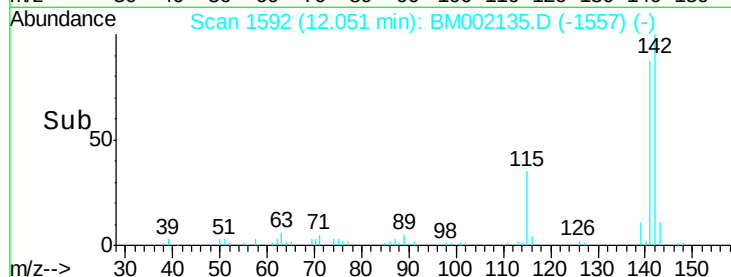
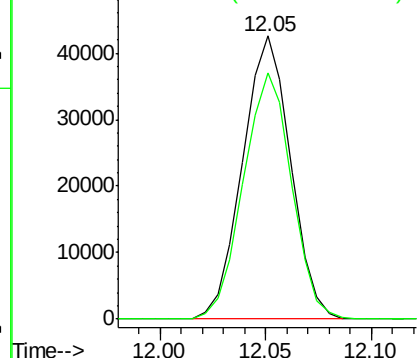
#34
2-Methylnaphthalene
Concen: 3.80 ng/ul
RT: 12.05 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Instrument :
BNA_M
ClientSampleId :
C01MORE

Tgt Ion:142 Resp: 67113
Ion Ratio Lower Upper
142 100
141 87.0 69.8 104.6

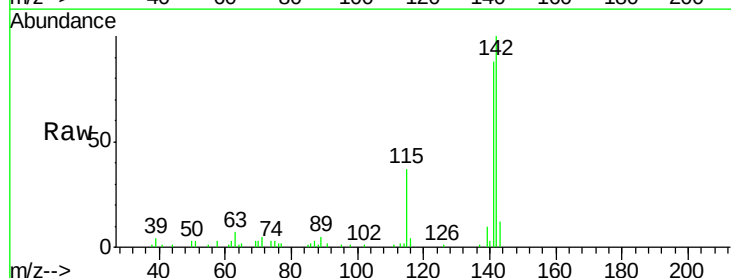


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

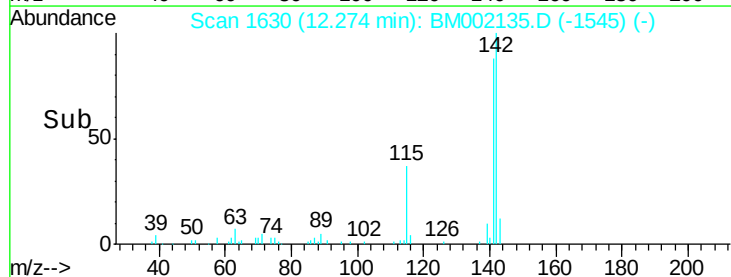
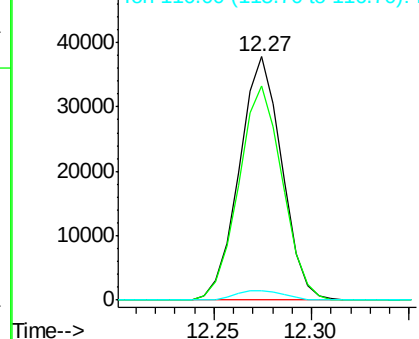


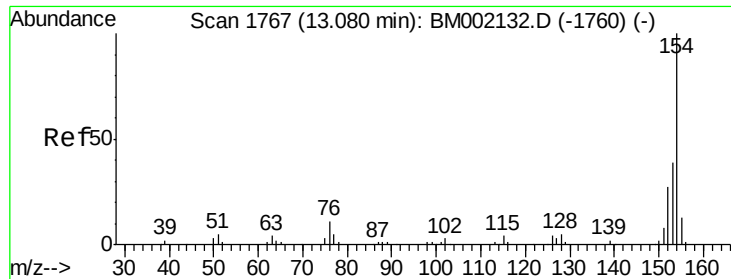
#35
1-Methylnaphthalene
Concen: 3.36 ng/ul
RT: 12.27 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:142 Resp: 57114
Ion Ratio Lower Upper
142 100
141 88.2 72.4 108.6
116 4.0 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

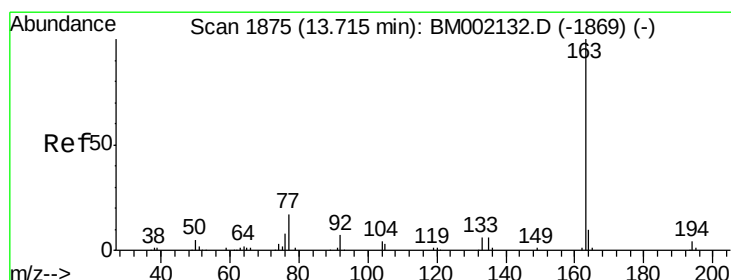
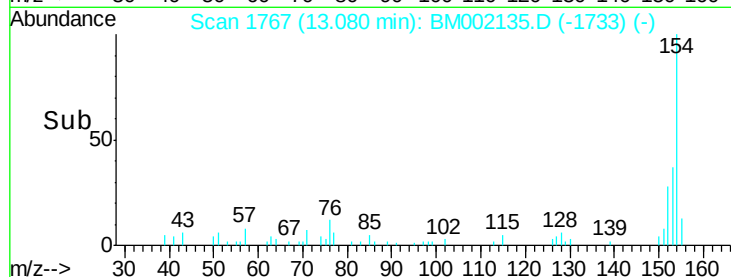
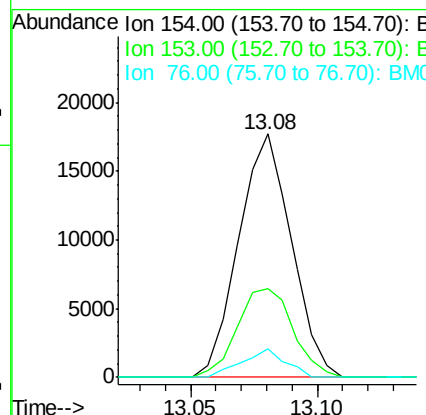
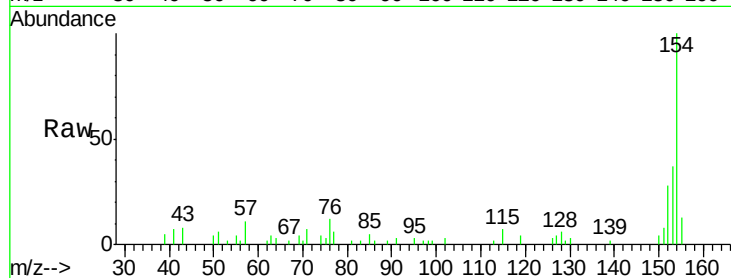




#41
 1,1'-Biphenyl
 Concen: 1.20 ng/ul
 RT: 13.08 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

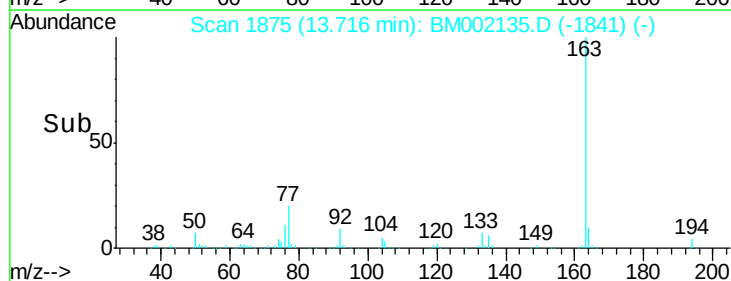
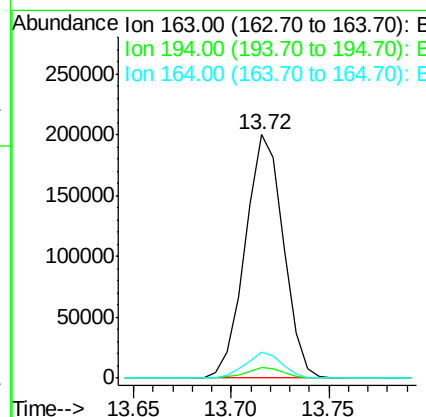
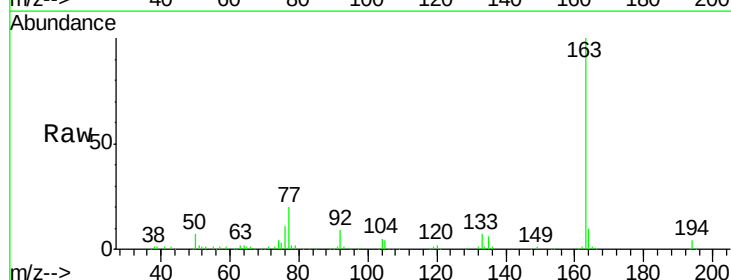
Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

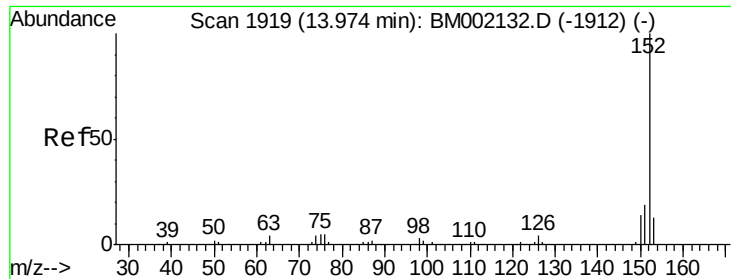
Tgt Ion:154 Resp: 25634
 Ion Ratio Lower Upper
 154 100
 153 36.5 32.5 48.7
 76 11.7 8.8 13.2



#45
 Dimethylphthalate
 Concen: 13.38 ng/ul
 RT: 13.72 min Scan# 1875
 Delta R.T. 0.00 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

Tgt Ion:163 Resp: 270833
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.5 5.3
 164 10.5 8.0 12.0





#48

Acenaphthylene

Concen: 1.88 ng/ul

RT: 13.97 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

BNA_M

ClientSampleId :

C01MORE

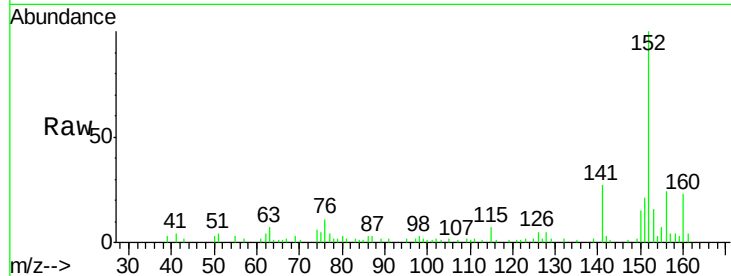
Tgt Ion:152 Resp: 49284

Ion Ratio Lower Upper

152 100

151 20.6 15.6 23.4

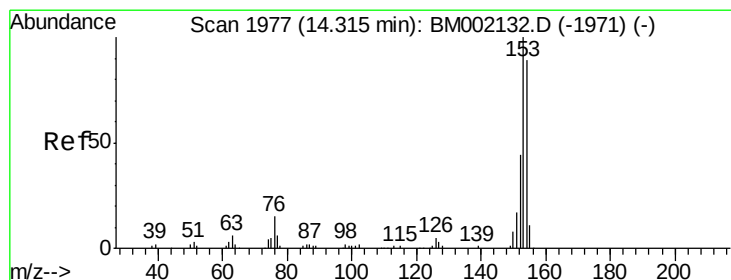
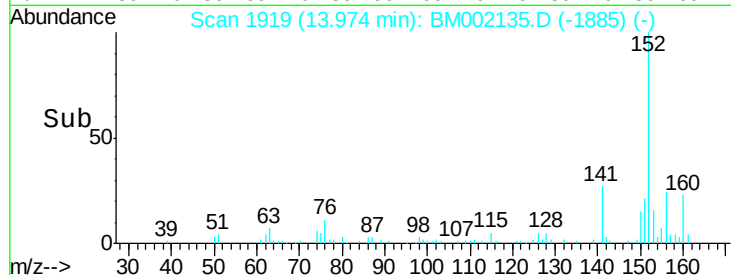
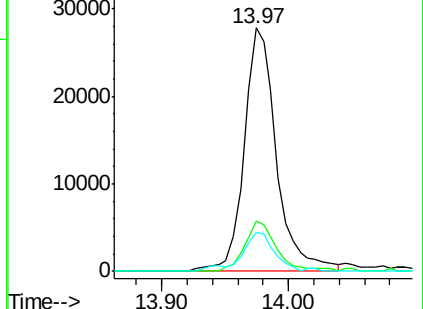
153 16.1 10.3 15.5#



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: 23.25 ng/ul

RT: 14.32 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

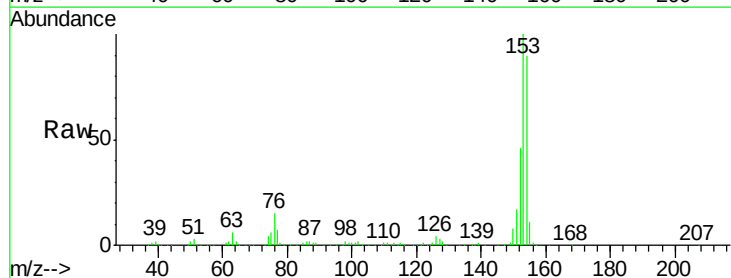
Tgt Ion:153 Resp: 398497

Ion Ratio Lower Upper

153 100

152 45.8 37.3 55.9

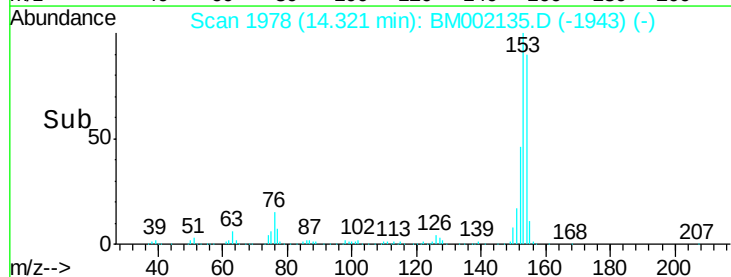
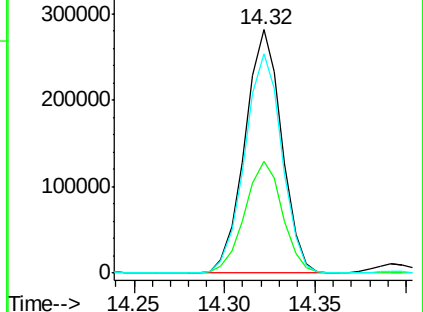
154 89.9 71.4 107.2

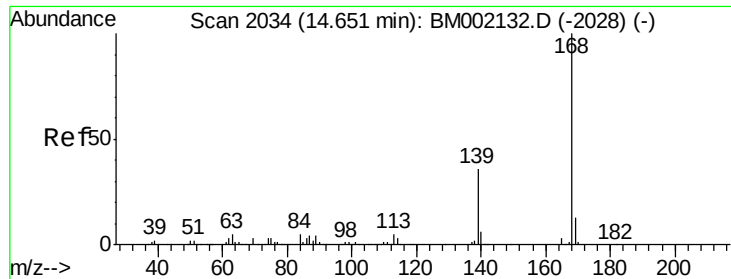


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 8.87 ng/ul

RT: 14.66 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

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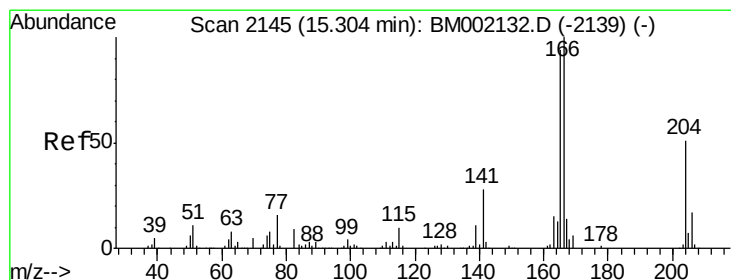
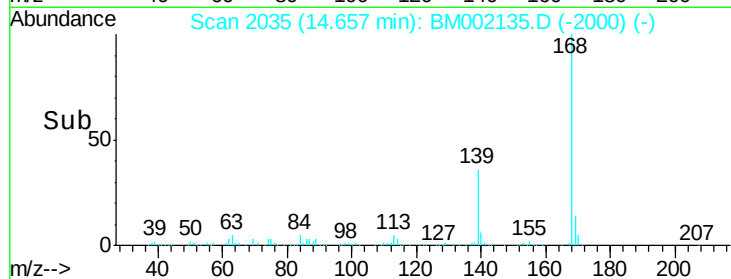
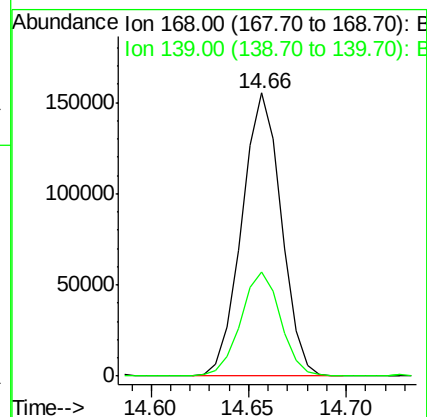
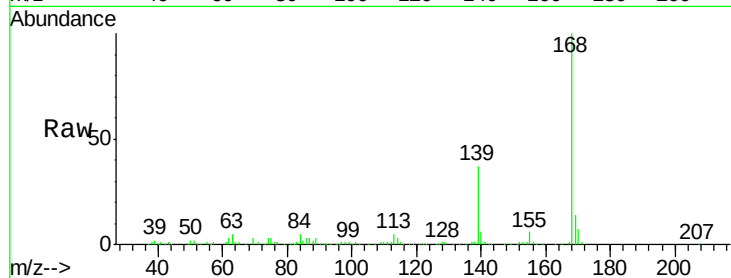
C01MORE

Tgt Ion:168 Resp: 218030

Ion Ratio Lower Upper

168 100

139 36.6 28.2 42.2



#59

Fluorene

Concen: 16.95 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

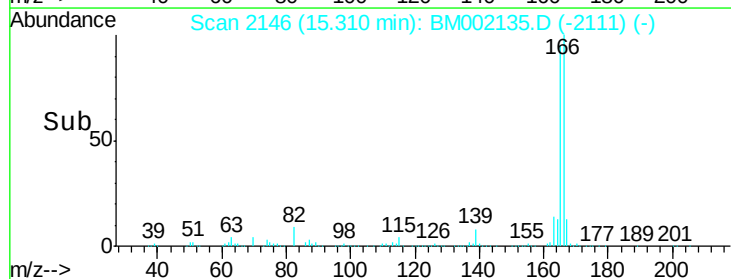
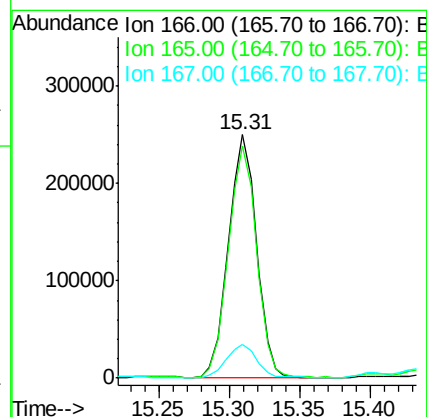
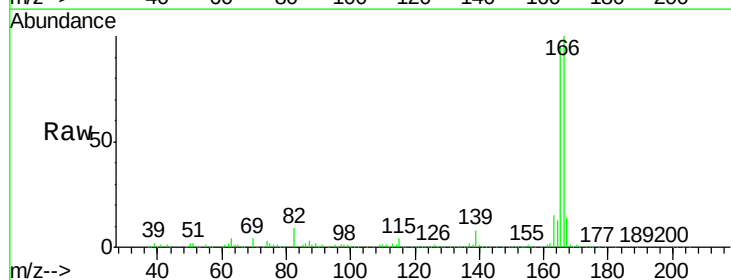
Tgt Ion:166 Resp: 344388

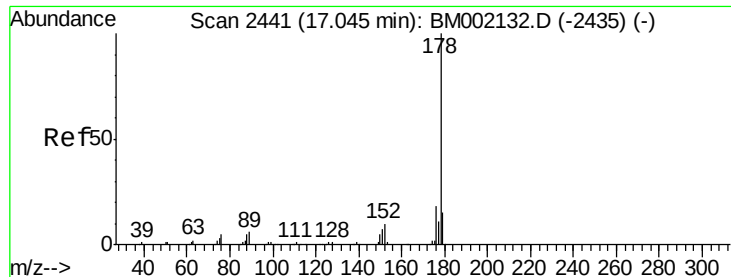
Ion Ratio Lower Upper

166 100

165 95.4 75.6 113.4

167 13.8 10.5 15.7





#70

Phenanthrene

Concen: 163.78 ng/ul

RT: 17.06 min Scan# 2444

Delta R.T. 0.02 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

BNA_M

ClientSampleId :

C01MORE

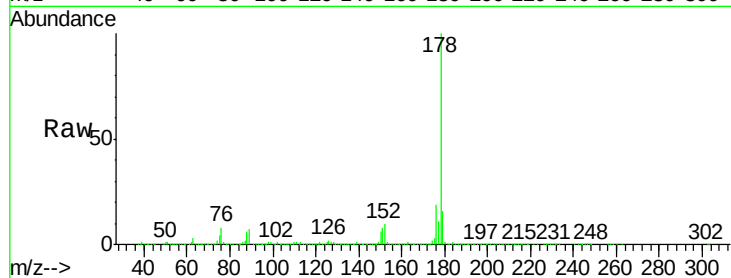
Tgt Ion:178 Resp: 4755478

Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

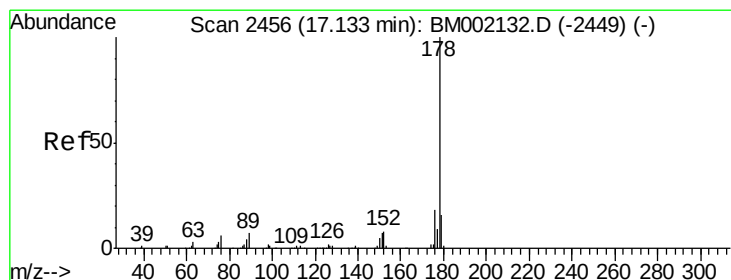
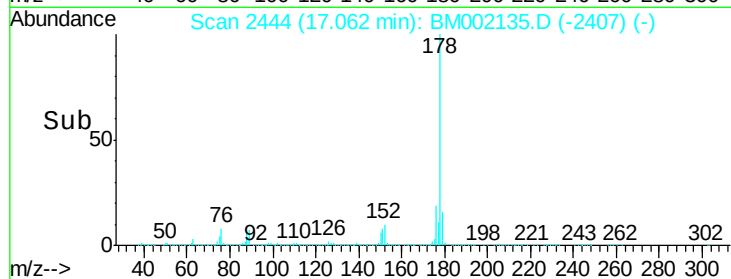
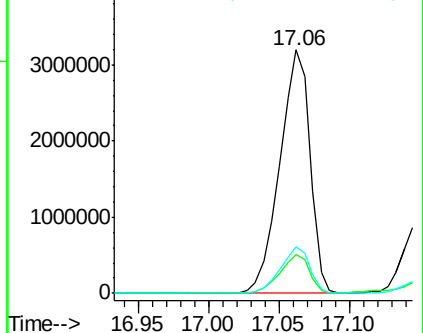
176 18.9 14.2 21.4



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: 39.95 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

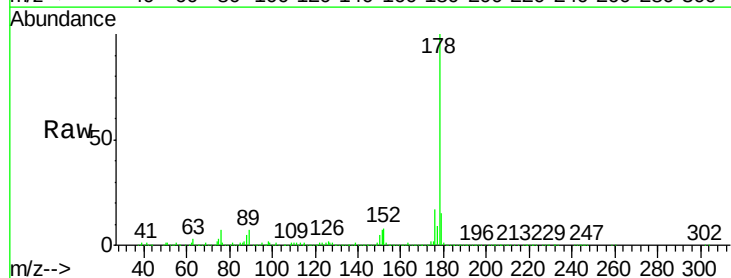
Tgt Ion:178 Resp: 1185843

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

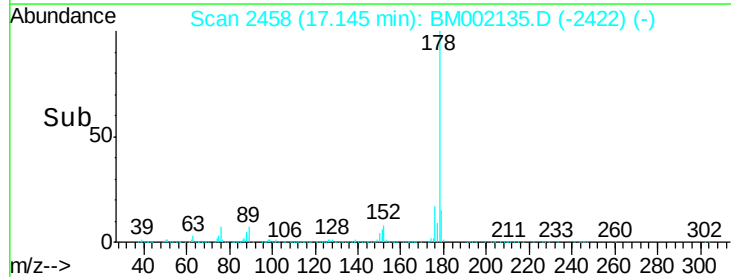
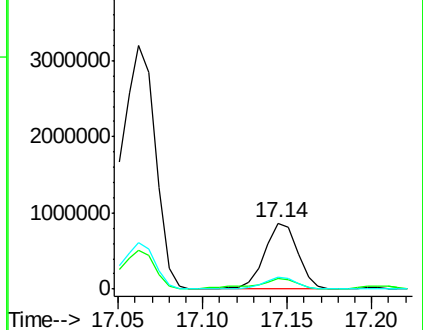
176 17.4 14.1 21.1

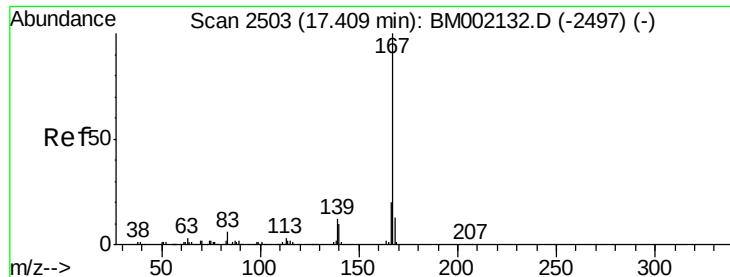


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

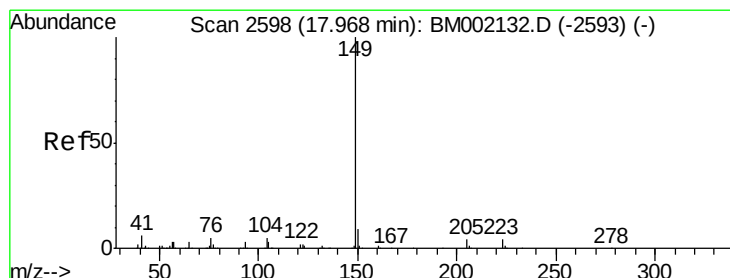
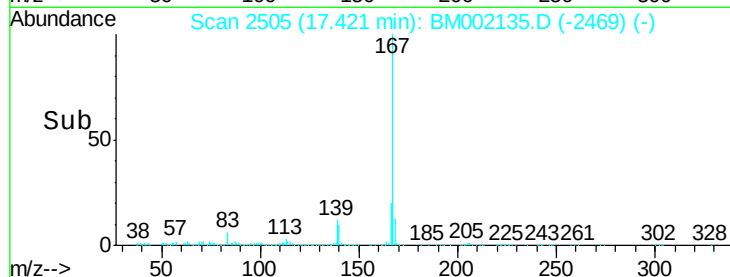
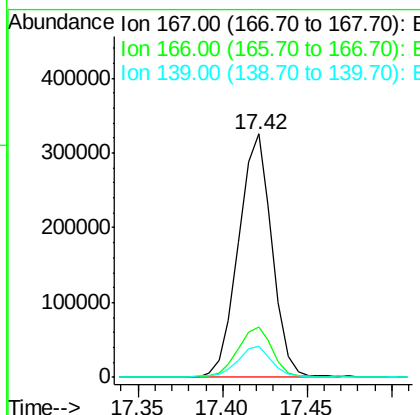
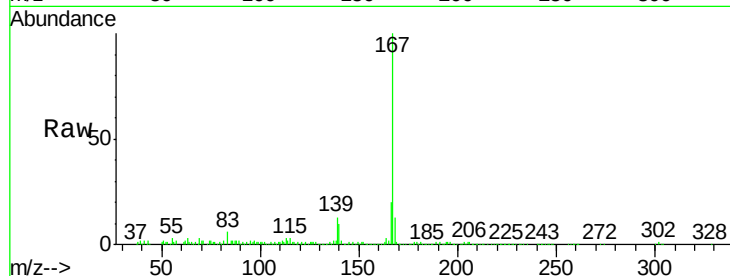




#75
 Carbazole
 Concen: 17.53 ng/ul
 RT: 17.42 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

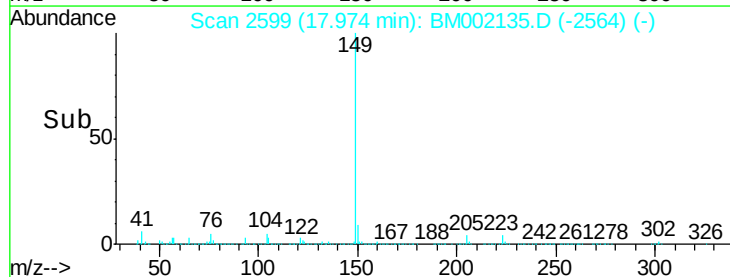
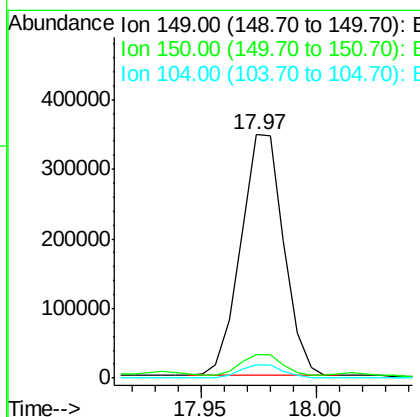
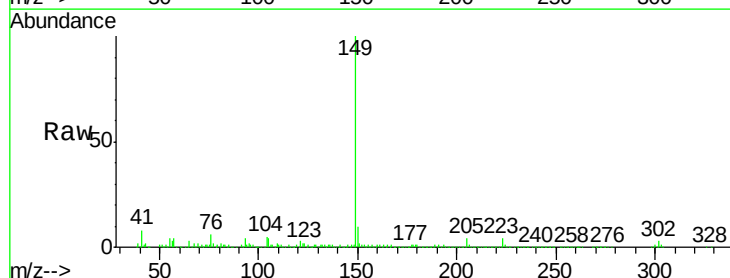
Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

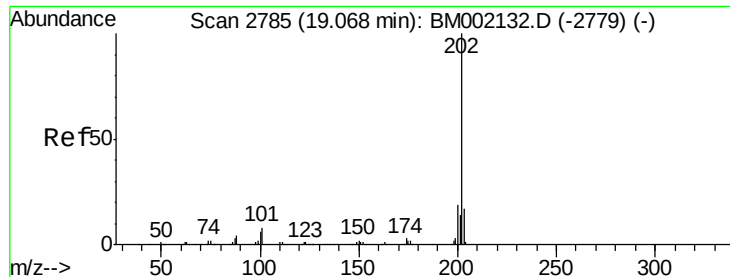
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	16.2	24.4
139	12.6	9.6	14.4



#76
 Di-n-butylphthalate
 Concen: 14.78 ng/ul
 RT: 17.97 min Scan# 2599
 Delta R.T. 0.01 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.0	10.4
104	5.3	4.2	6.2

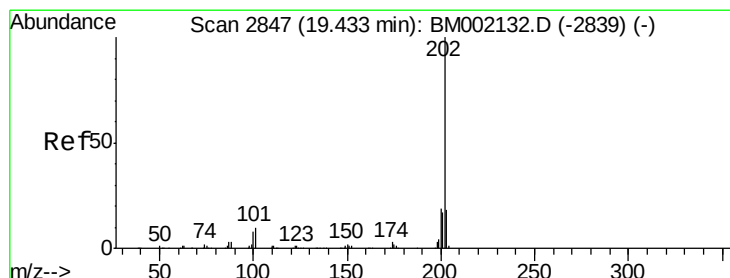
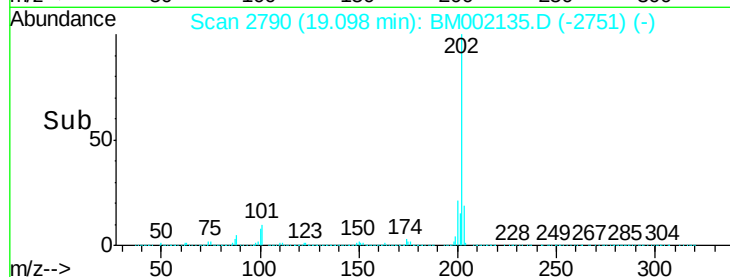
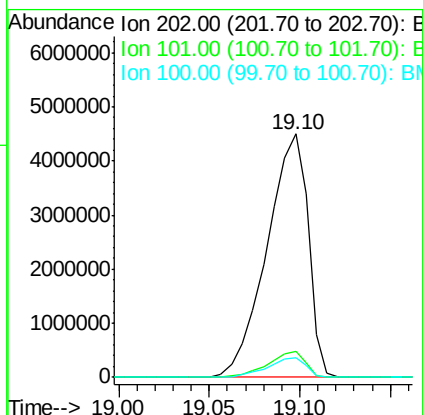
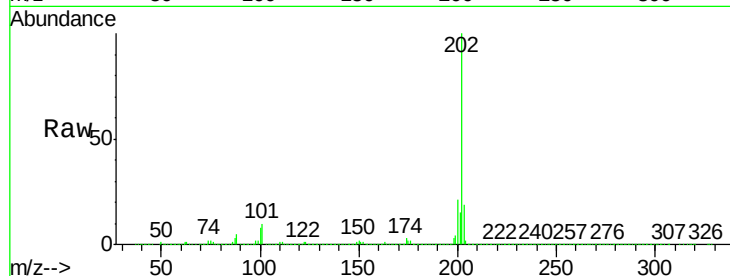




#77
 Fluoranthene
 Concen: 212.74 ng/ul
 RT: 19.10 min Scan# 2790
 Delta R.T. 0.03 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

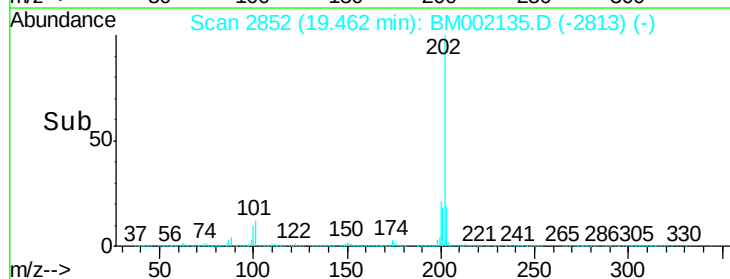
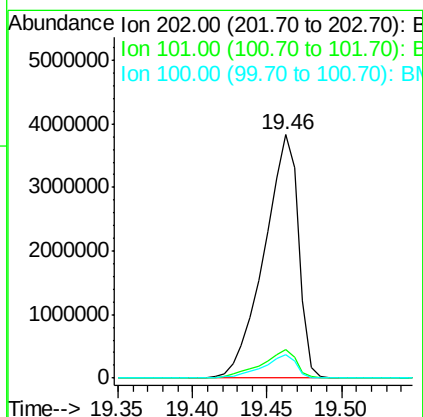
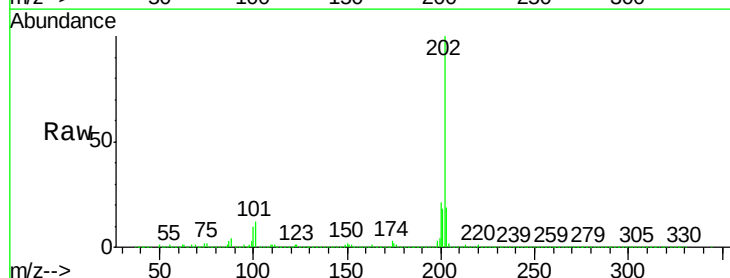
Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

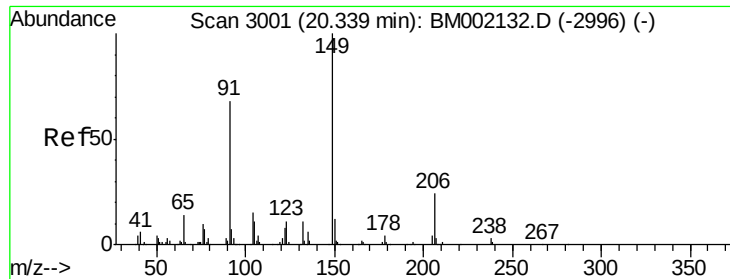
Tgt Ion:202 Resp: 7132367
 Ion Ratio Lower Upper
 202 100
 101 10.5 6.2 9.4#
 100 8.0 5.2 7.8#



#80
 Pyrene
 Concen: 169.68 ng/ul
 RT: 19.46 min Scan# 2852
 Delta R.T. 0.03 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

Tgt Ion:202 Resp: 6108308
 Ion Ratio Lower Upper
 202 100
 101 12.0 7.4 11.2#
 100 9.9 6.3 9.5#

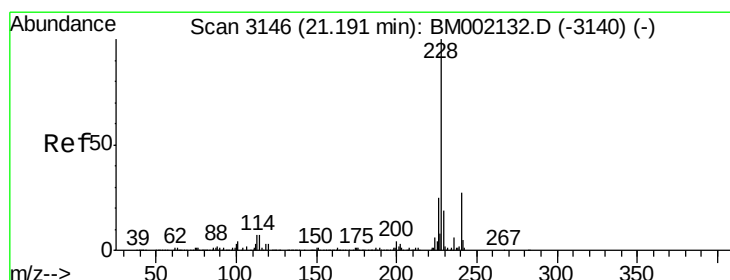
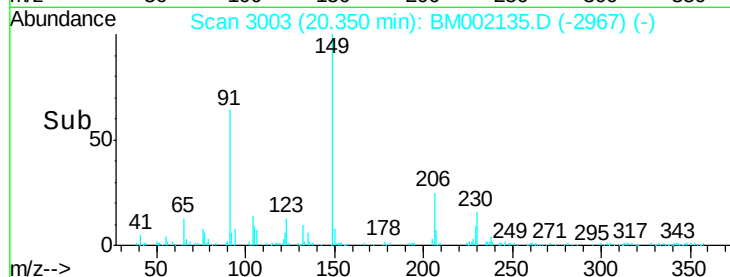
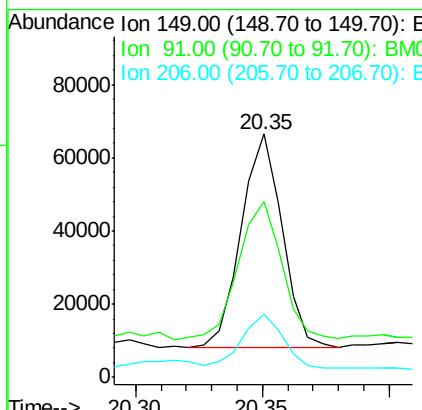
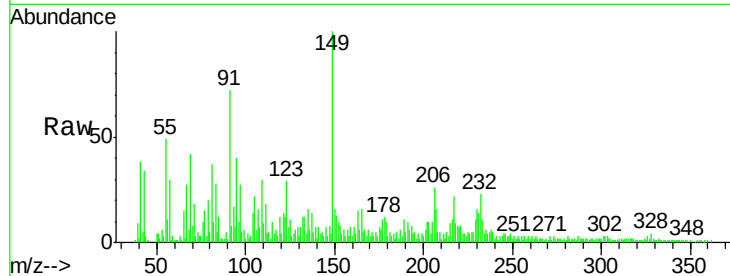




#81
Butylbenzylphthalate
Concen: 4.83 ng/ul
RT: 20.35 min Scan# 3003
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

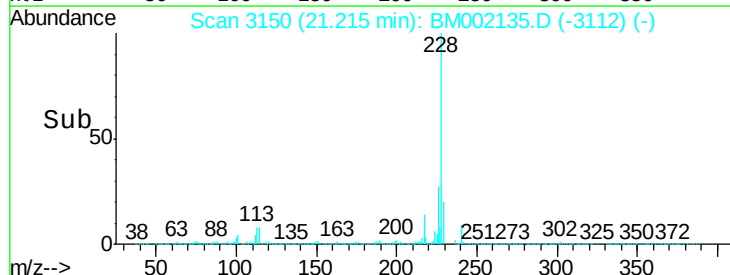
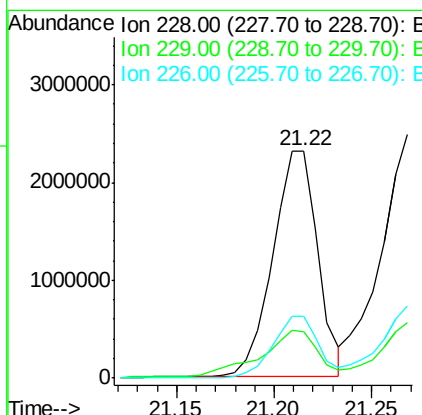
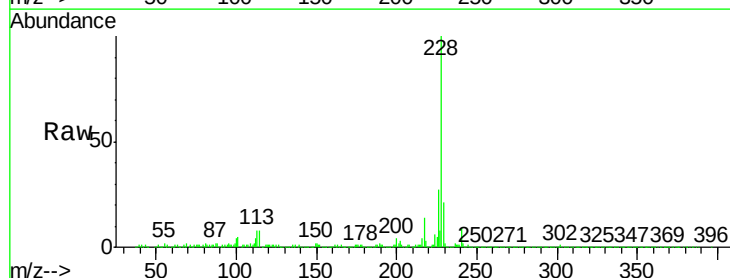
Instrument :
BNA_M
ClientSampleId :
C01MORE

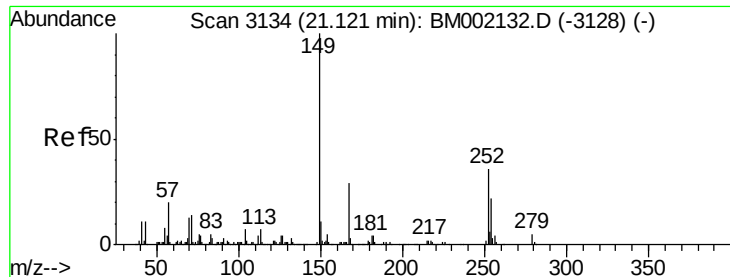
Tgt Ion:149 Resp: 66373
Ion Ratio Lower Upper
149 100
91 72.3 52.4 78.6
206 25.7 19.9 29.9



#83
Benzo(a)anthracene
Concen: 100.90 ng/ul
RT: 21.22 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:228 Resp: 3700370
Ion Ratio Lower Upper
228 100
229 20.6 15.4 23.2
226 27.3 20.5 30.7

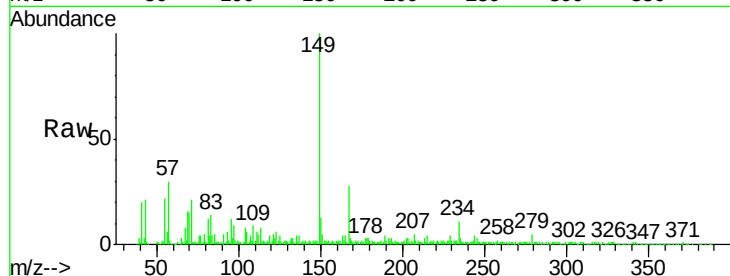




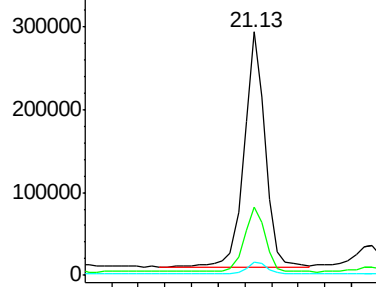
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.83 ng/ul
 RT: 21.13 min Scan# 3135
 Delta R.T. 0.01 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

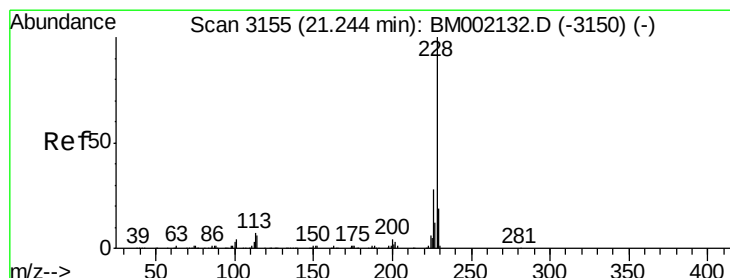
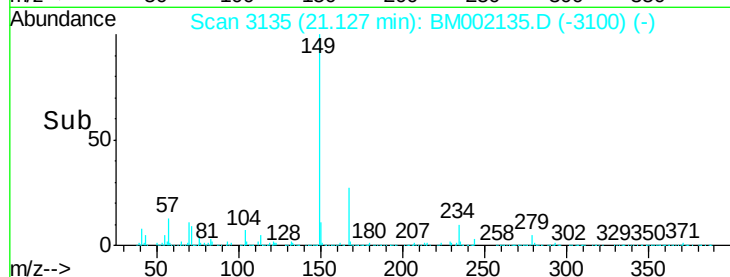
Tgt Ion:149 Resp: 312126
 Ion Ratio Lower Upper
 149 100
 167 28.0 23.6 35.4
 279 5.3 4.2 6.4



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

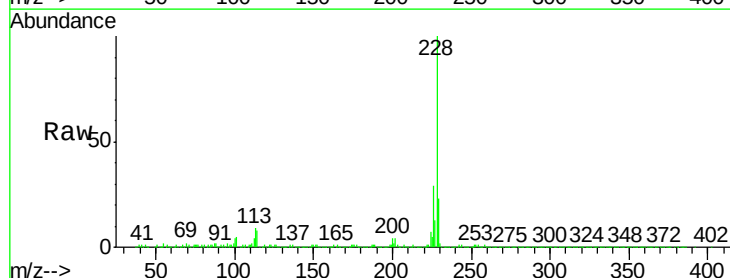


Time-->

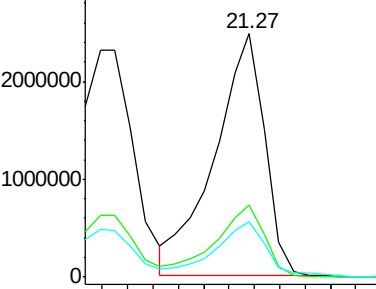


#85
 Chrysene
 Concen: 99.21 ng/ul
 RT: 21.27 min Scan# 3159
 Delta R.T. 0.02 min
 Lab File: BM002135.D
 Acq: 30 Jul 2015 14:14

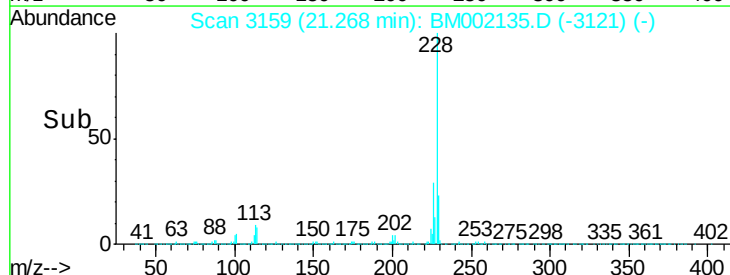
Tgt Ion:228 Resp: 3404108
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 22.9 15.5 23.3

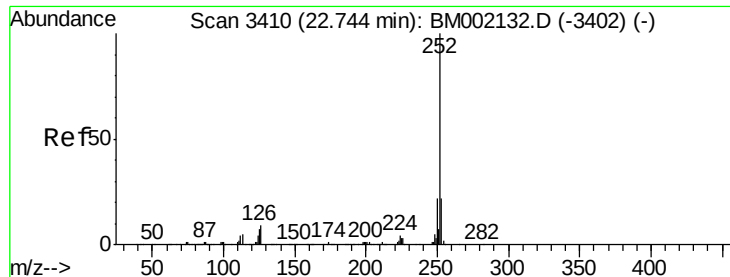


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

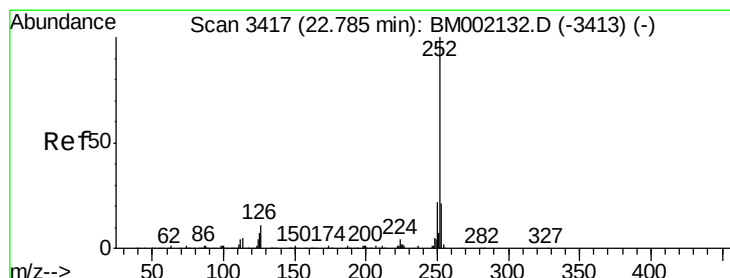
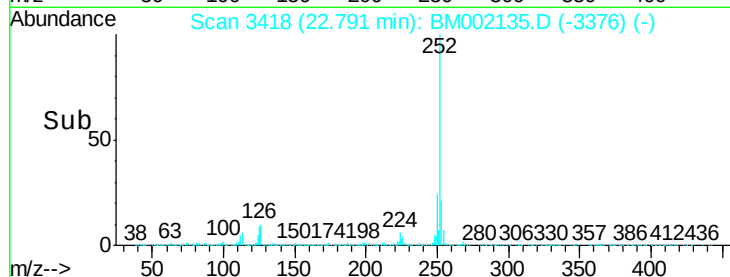
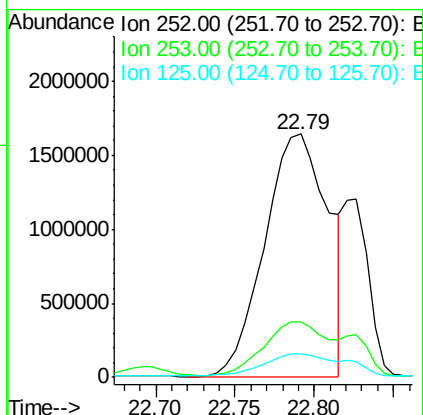
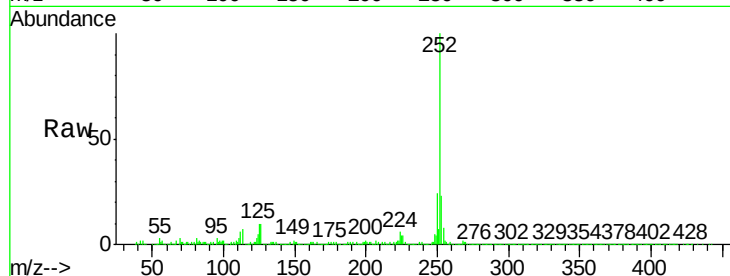




#88
Benzo(b)fluoranthene
Concen: 121.97 ng/ul
RT: 22.79 min Scan# 3418
Delta R.T. 0.05 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

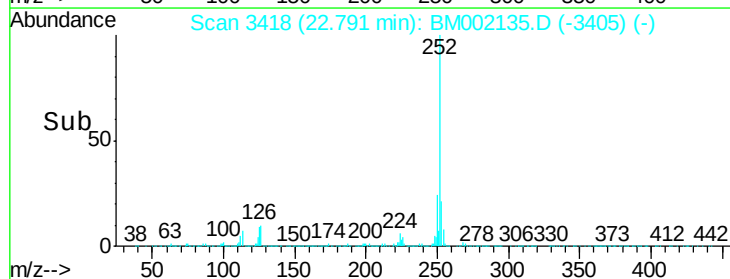
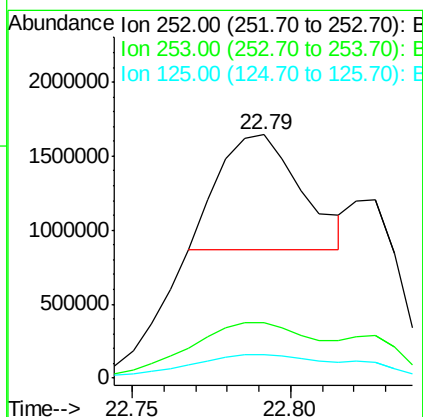
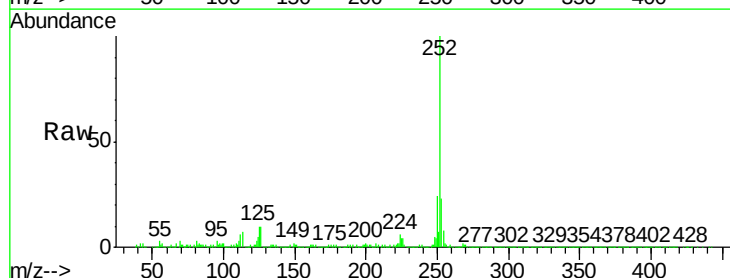
Instrument :
BNA_M
ClientSampleId :
C01MORE

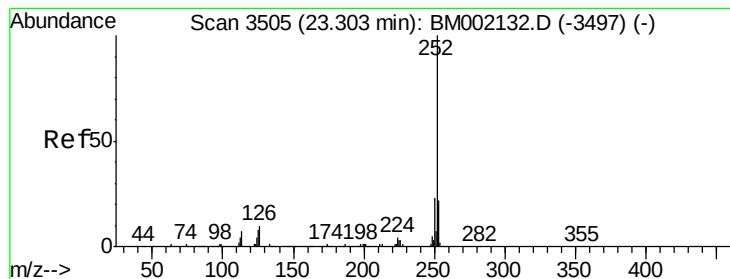
Tgt Ion:252 Resp: 4576680
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 9.6 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 38.58 ng/ul
RT: 22.79 min Scan# 3418
Delta R.T. 0.01 min
Lab File: BM002135.D
Acq: 30 Jul 2015 14:14

Tgt Ion:252 Resp: 1396595
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.6 6.2 9.4#





#91

Benzo(a)pyrene

Concen: 84.68 ng/ul

RT: 23.36 min Scan# 3514

Delta R.T. 0.05 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

BNA_M

ClientSampleId :

C01MORE

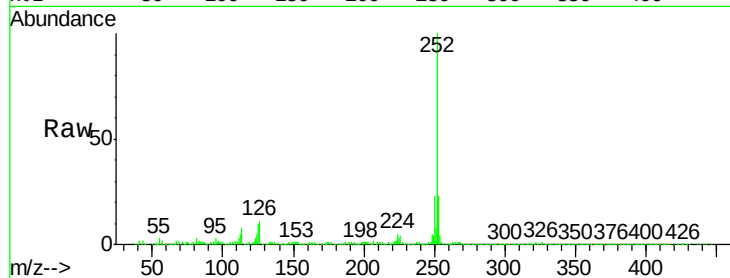
Tgt Ion:252 Resp: 3066967

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	9.8	6.6	10.0

252 100

253 23.2 17.2 25.8

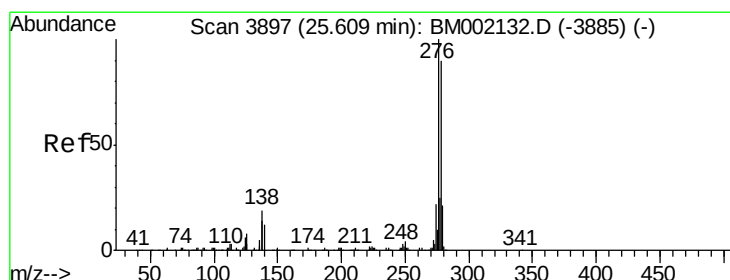
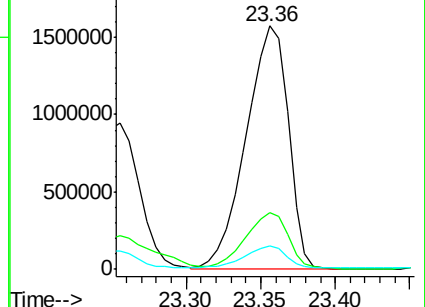
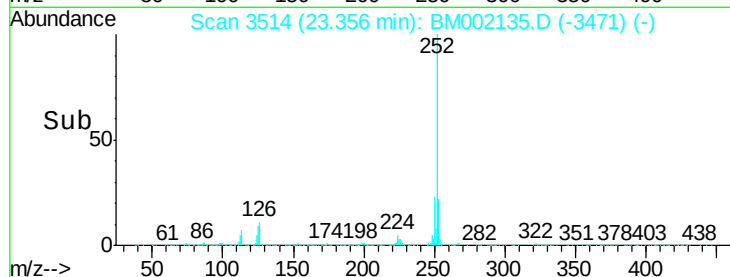
125 9.8 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 47.14 ng/ul

RT: 25.69 min Scan# 3910

Delta R.T. 0.08 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

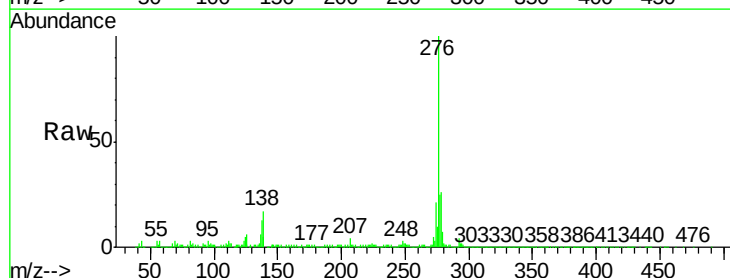
Tgt Ion:276 Resp: 1967272

Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.2	24.2
277	24.9	19.8	29.8

276 100

138 17.2 16.2 24.2

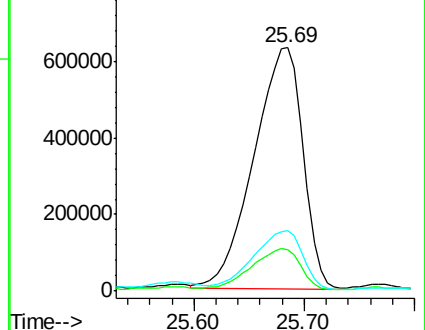
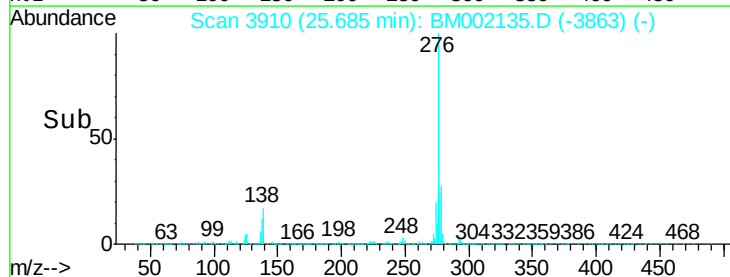
277 24.9 19.8 29.8

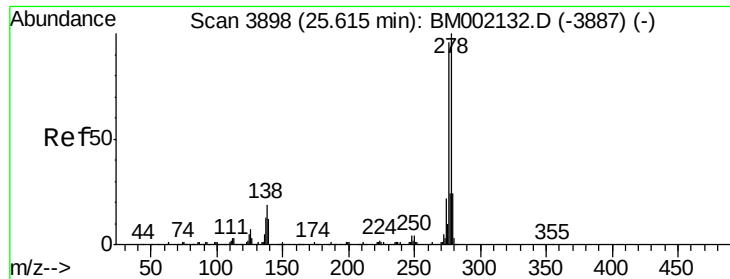


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 15.38 ng/ul

RT: 25.68 min Scan# 3909

Delta R.T. 0.06 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

Instrument :

BNA_M

ClientSampleId :

C01MORE

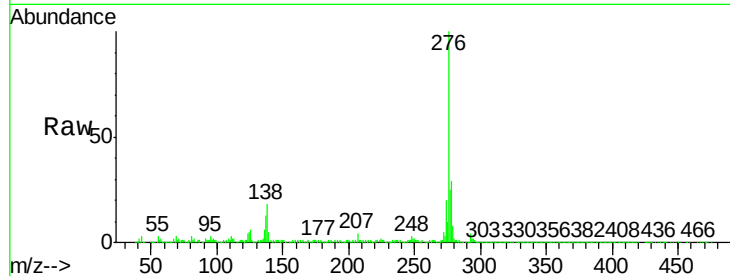
Tgt Ion:278 Resp: 549500

Ion Ratio Lower Upper

278 100

139 16.6 10.6 16.0#

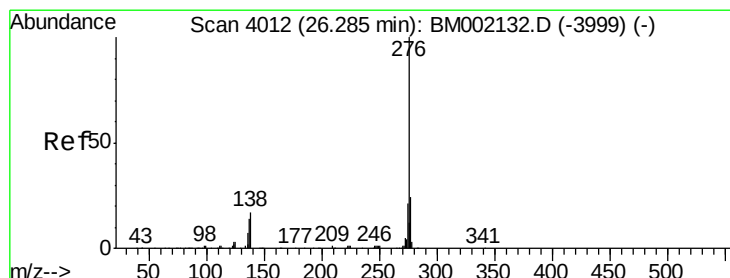
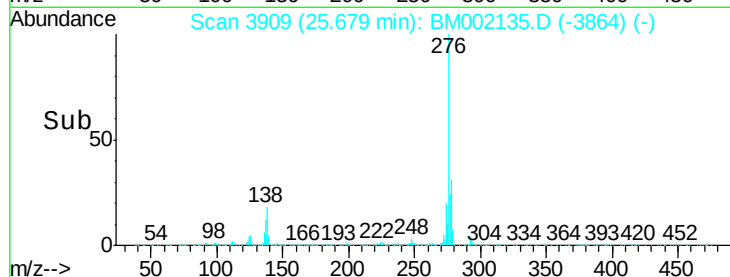
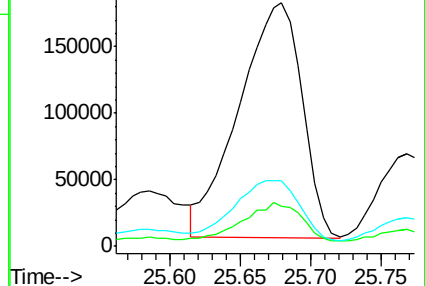
279 27.0 18.5 27.7



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: 46.40 ng/ul

RT: 26.37 min Scan# 4027

Delta R.T. 0.09 min

Lab File: BM002135.D

Acq: 30 Jul 2015 14:14

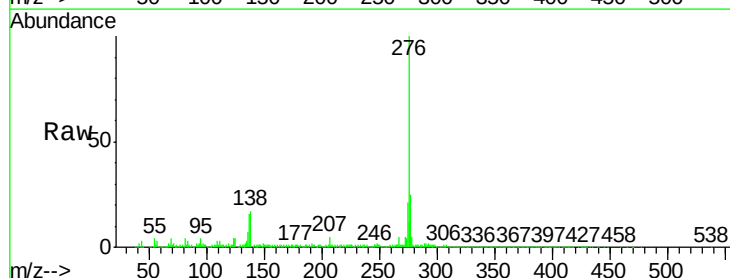
Tgt Ion:276 Resp: 1623274

Ion Ratio Lower Upper

276 100

138 17.4 13.8 20.6

277 24.6 18.2 27.2



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

