

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012836.D
 Acq On : 09 Nov 2017 00:06
 Operator : SJ/JU
 Sample : I5955-14 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-6(5-5.5)-101717

Quant Time: Nov 09 04:00:33 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	135221	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	523350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	289004	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	581707	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	608861	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	708234	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	1131	0.45	ng/uL	0.00
5) Phenol-d5	6.98	99	27069	2.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	15340	2.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	24797	2.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	24071	2.77	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	10800	2.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	11968	2.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	24594	2.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	11673	1.33	ng/ul	0.01
43) Dimethylphthalate-d6	13.84	166	80214	3.35	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	92886	3.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	7846	2.05	ng/ul	0.02
57) Fluorene-d10	15.43	176	68405	3.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	2413	0.63	ng/ul	0.02
70) Anthracene-d10	17.29	188	99785	3.55	ng/ul	0.00
78) Pyrene-d10	19.58	212	100964	3.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	120625	3.60	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.64	128	498063	19.04	ng/ul	99
30) 4-Chloroaniline	10.64	127	66286	7.53	ng/ul#	15
34) 2-Methylnaphthalene	12.26	142	198834	9.94	ng/ul	100
40) 1,1'-Biphenyl	13.27	154	90477	3.78	ng/ul	98
49) Acenaphthene	14.50	153	302206	15.47	ng/ul	99
53) Dibenzofuran	14.84	168	537852	18.88	ng/ul	92
58) Fluorene	15.49	166	416616	17.60	ng/ul	99
60) 4-Nitroaniline	15.49	138	4714	1.01	ng/ul#	15
69) Phenanthrene	17.24	178	4883533	153.59	ng/ul	99
71) Anthracene	17.32	178	1189483	36.08	ng/ul	99
74) Carbazole	17.59	167	262088	9.53	ng/ul	98
76) Fluoranthene	19.25	202	4035408	105.62	ng/ul#	94
79) Pyrene	19.62	202	3347103	92.14	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	1417041	38.46	ng/ul	99
84) Chrysene	21.40	228	1195349	35.80	ng/ul	97
87) Benzo(b)fluoranthene	23.14	252	206313	4.77	ng/ul	93
88) Benzo(k)fluoranthene	22.97	252	1510110	36.71	ng/ul#	97
90) Benzo(a)pyrene	23.46	252	705514	17.13	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.97	276	790560	15.93	ng/ul#	84
92) Dibenz(a,h)anthracene	25.97	278	188458	4.49	ng/ul#	82
93) Benzo(a,h,i)perylene	26.69	276	654386	16.00	ng/ul#	90

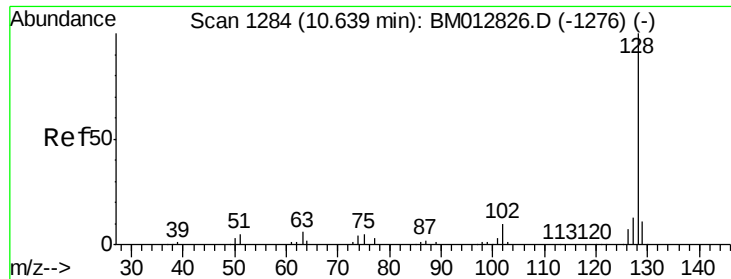
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

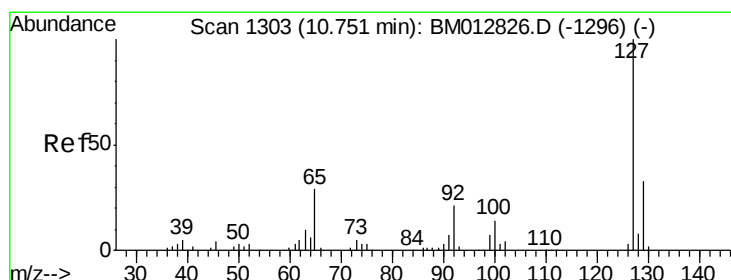
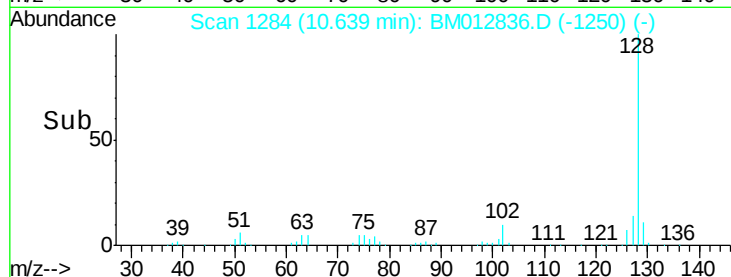
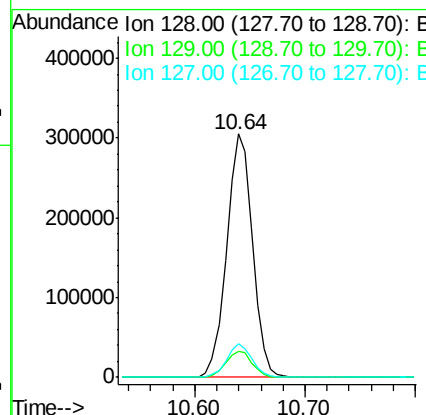
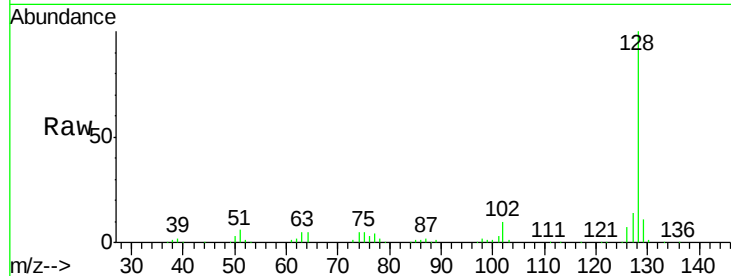
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#28
Naphthalene
Concen: 19.04 ng/ul
RT: 10.64 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

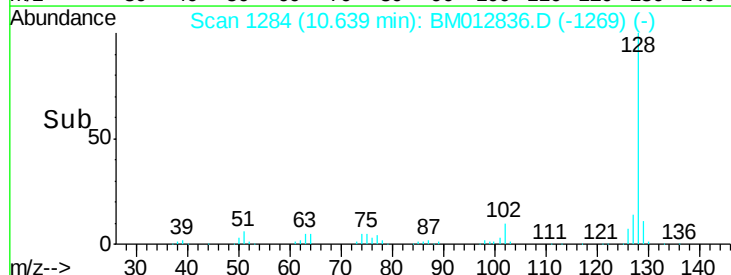
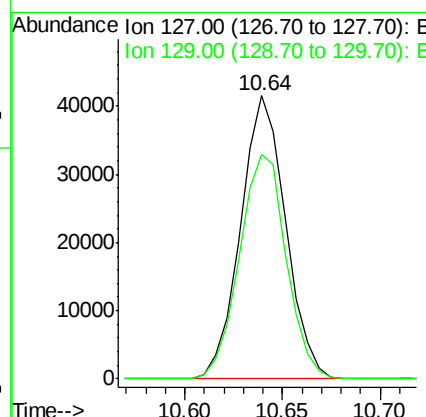
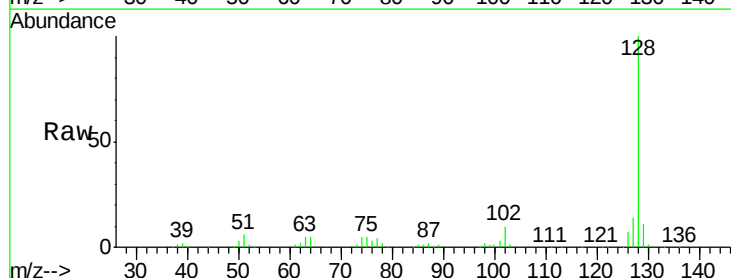
Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

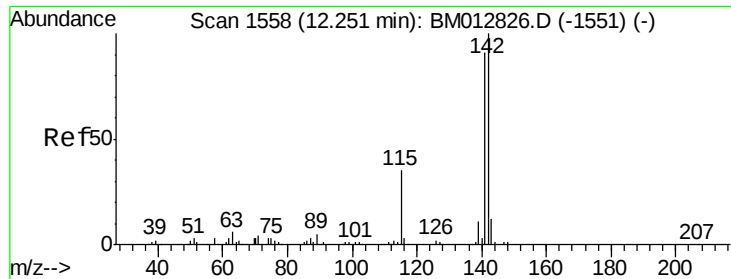
Tot Ion:128 Resp: 498063
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.6 10.5 15.7



#30
4-Chloroaniline
Concen: 7.53 ng/ul
RT: 10.64 min Scan# 1284
Delta R.T. -0.11 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion:127 Resp: 66286
Ion Ratio Lower Upper
127 100
129 79.2 25.4 38.2#

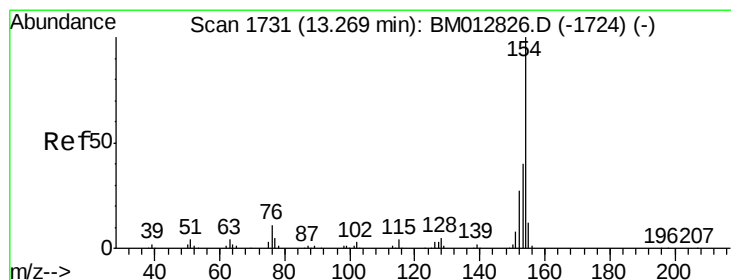
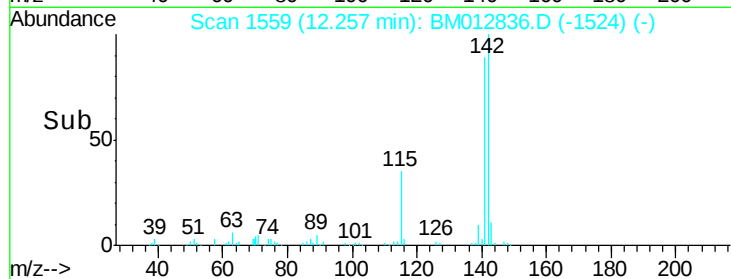
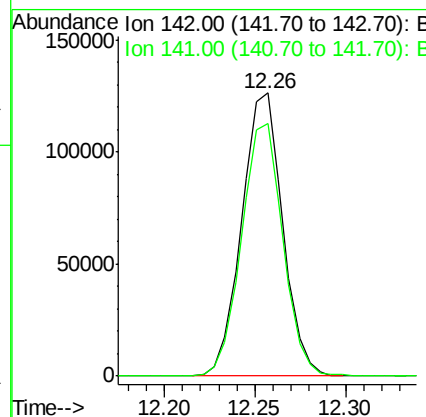
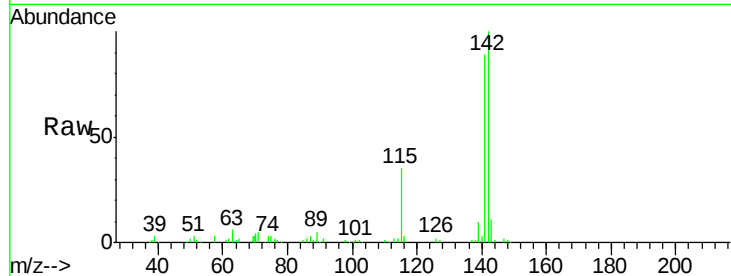




#34
2-Methylnaphthalene
Concen: 9.94 ng/ul
RT: 12.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

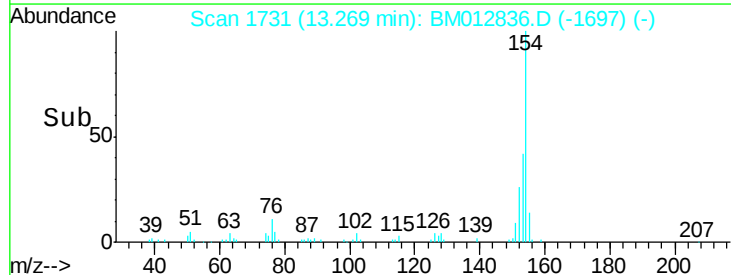
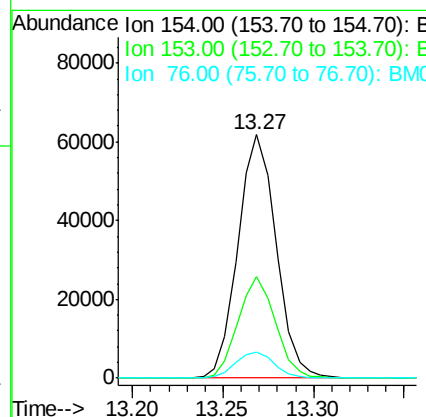
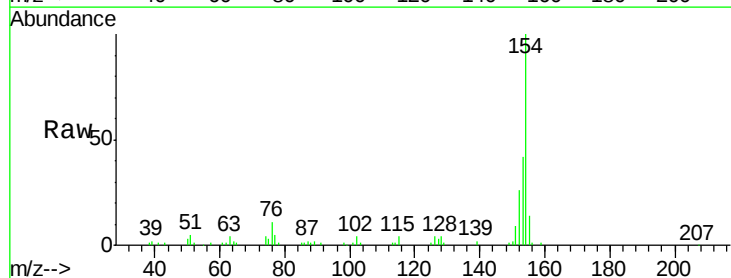
Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

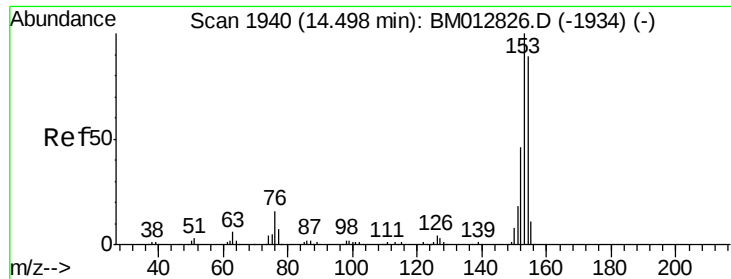
Tot Ion:142 Resp: 198834
Ion Ratio Lower Upper
142 100
141 89.4 71.6 107.4



#40
1,1'-Biphenyl
Concen: 3.78 ng/ul
RT: 13.27 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion:154 Resp: 90477
Ion Ratio Lower Upper
154 100
153 41.5 32.1 48.1
76 10.8 9.5 14.3





#49

Acenaphthene

Concen: 15.47 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

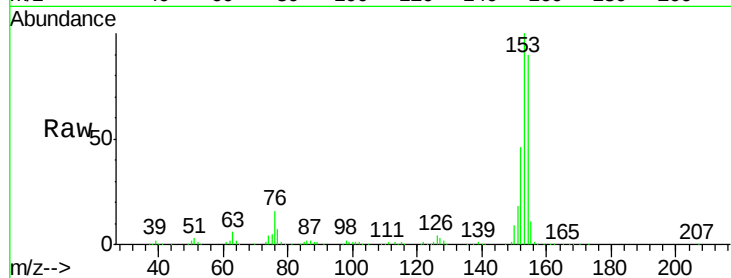
Tot Ion:153 Resp: 302206

Ion Ratio Lower Upper

153 100

152 45.8 38.3 57.5

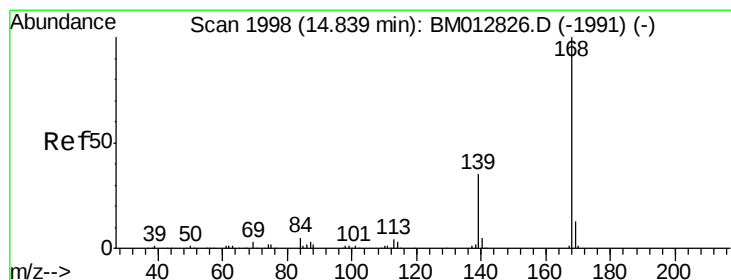
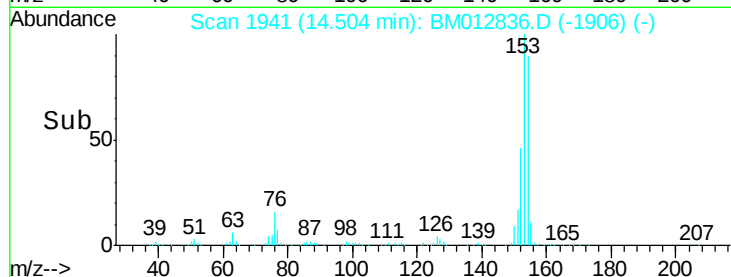
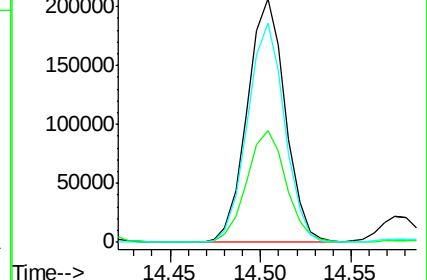
154 90.0 71.8 107.8



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

Dibenzofuran

Concen: 18.88 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BM012836.D

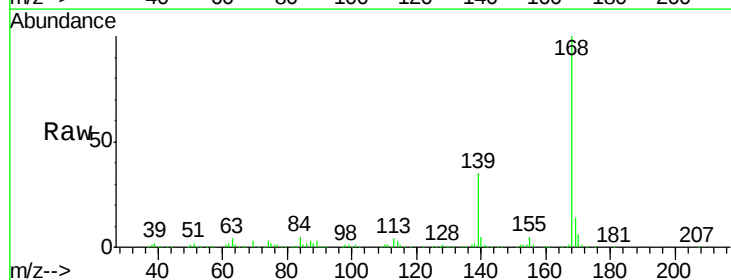
Acq: 09 Nov 2017 00:06

Tgt Ion:168 Resp: 537852

Ion Ratio Lower Upper

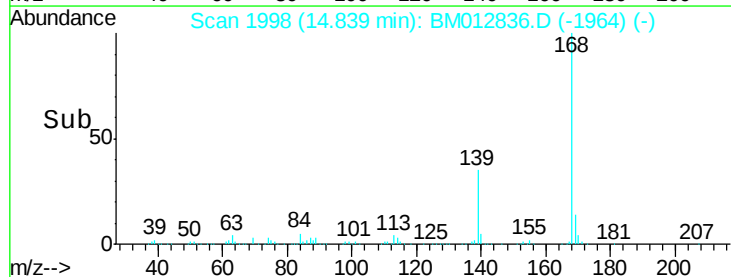
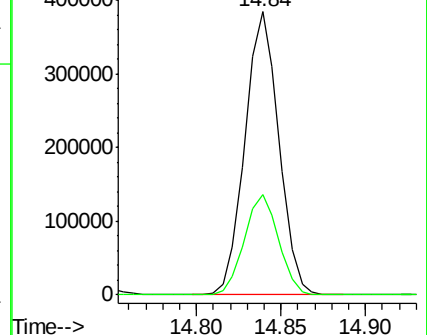
168 100

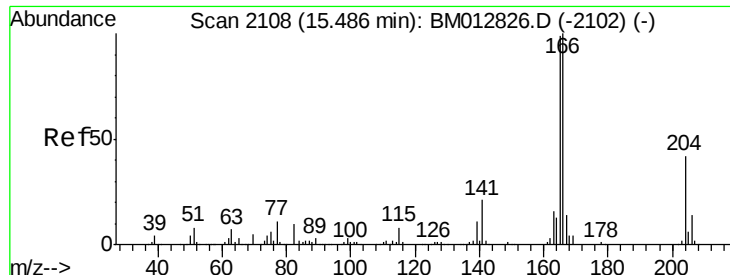
139 35.2 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 17.60 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

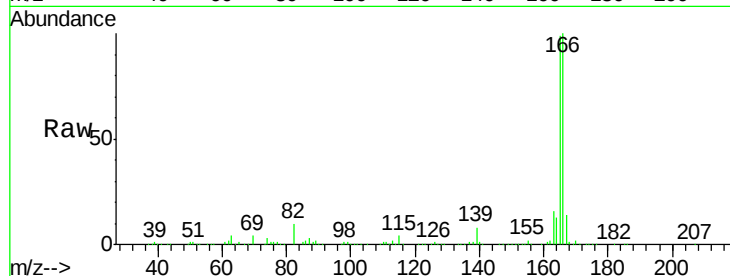
Tot Ion:166 Resp: 416616

Ion Ratio Lower Upper

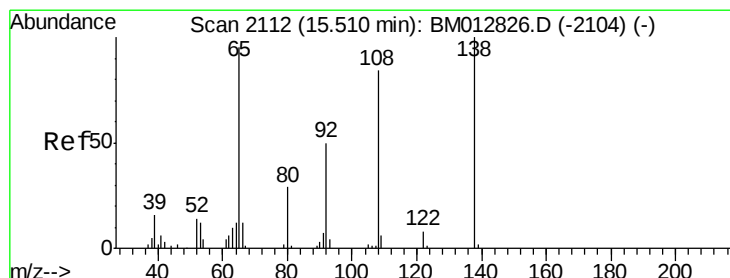
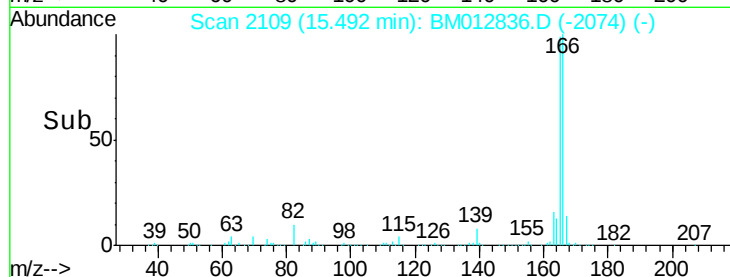
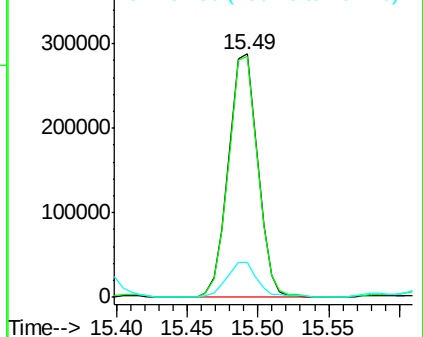
166 100

165 98.8 78.5 117.7

167 14.4 10.7 16.1



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



#60

4-Nitroaniline

Concen: 1.01 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

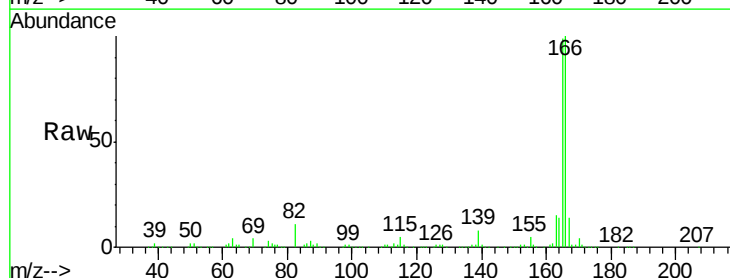
Tgt Ion:138 Resp: 4714

Ion Ratio Lower Upper

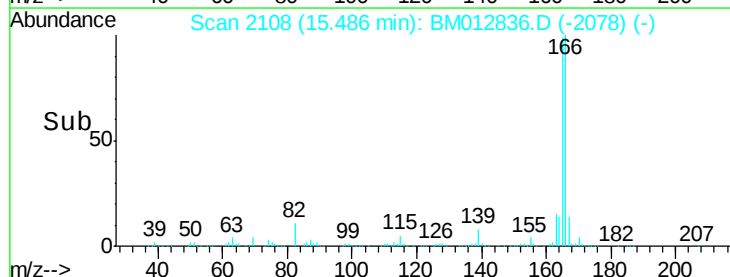
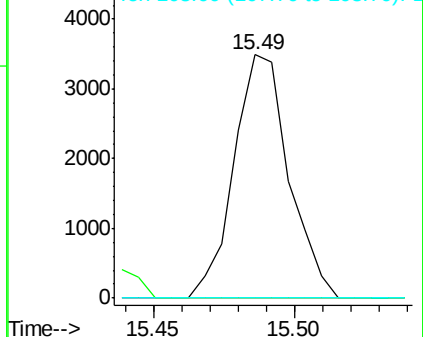
138 100

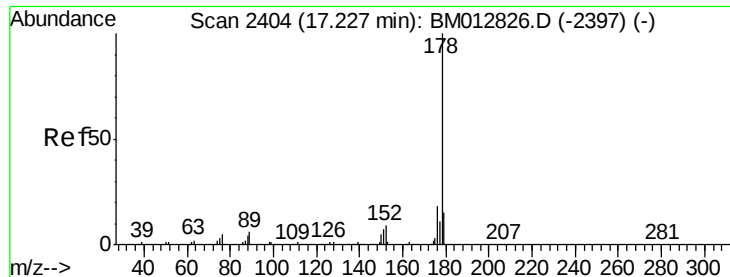
92 0.0 40.6 60.8#

108 0.0 67.0 100.6#



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





#69

Phenanthrene

Concen: 153.59 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

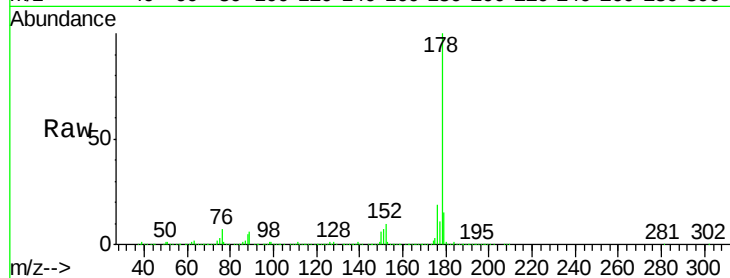
Tot Ion:178 Resp: 4883533

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

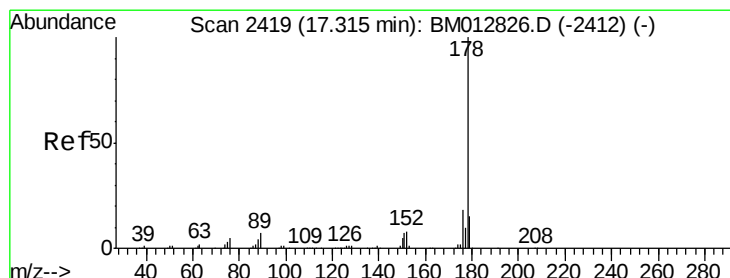
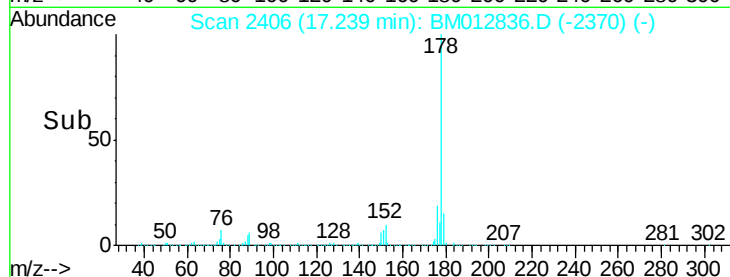
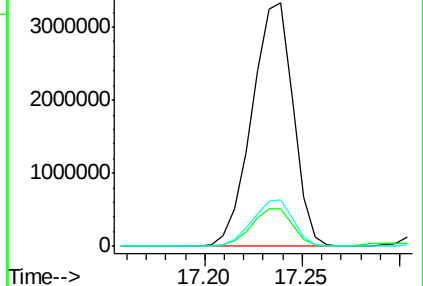
176 19.0 15.6 23.4



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



#71

Anthracene

Concen: 36.08 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

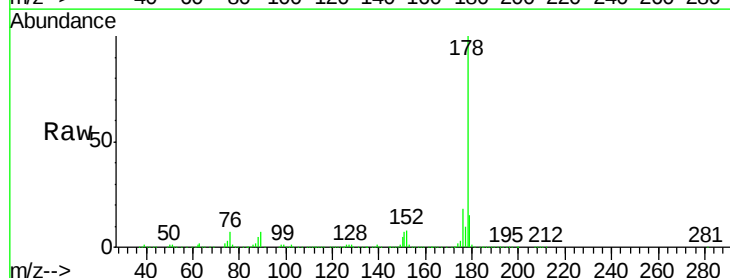
Tgt Ion:178 Resp: 1189483

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

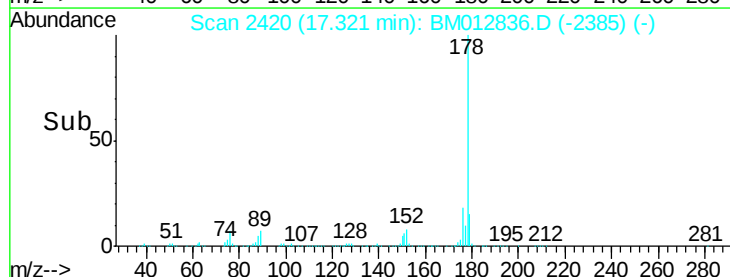
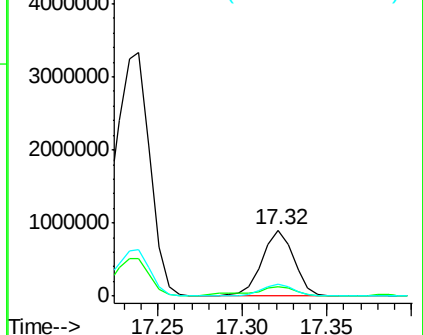
176 18.0 14.8 22.2

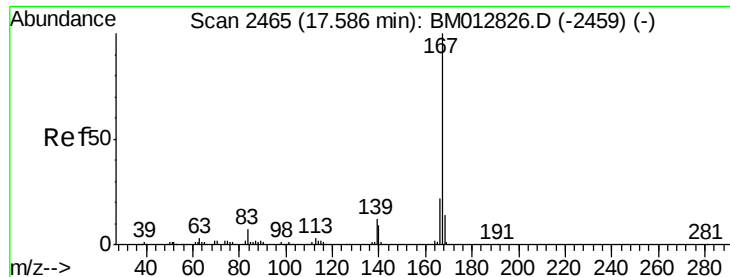


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

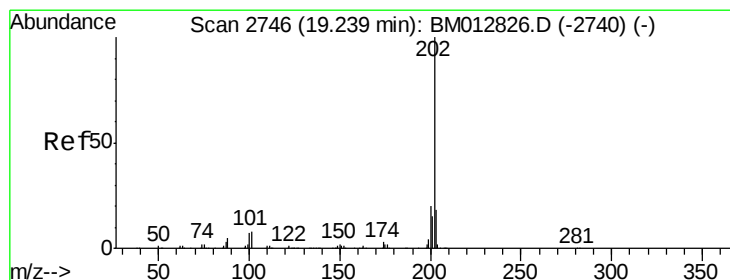
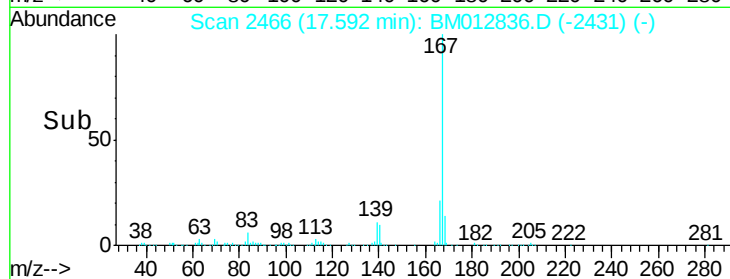
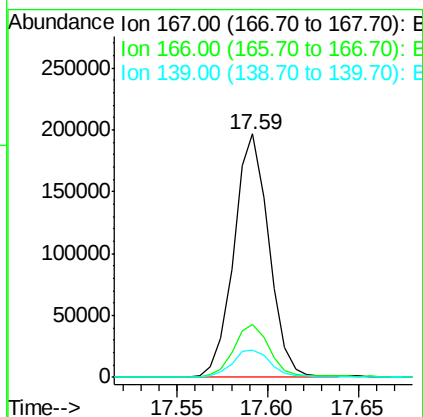
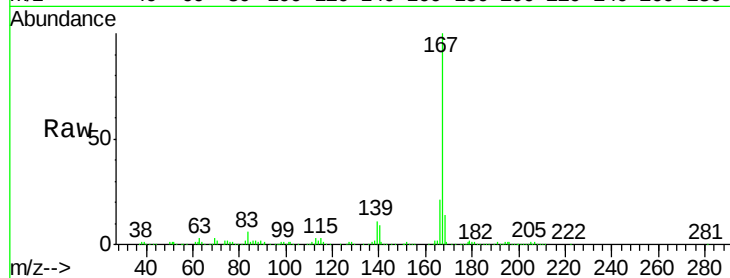




#74
 Carbazole
 Concen: 9.53 ng/ul
 RT: 17.59 min Scan# 2466
 Delta R.T. 0.01 min
 Lab File: BM012836.D
 Acq: 09 Nov 2017 00:06

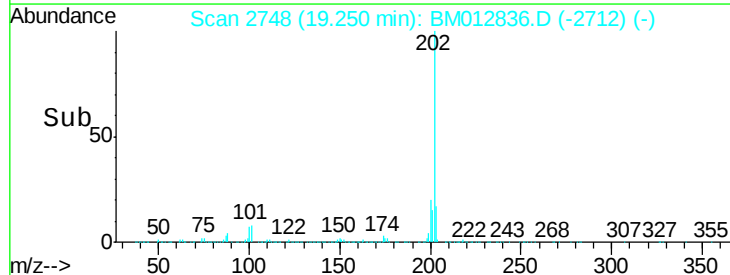
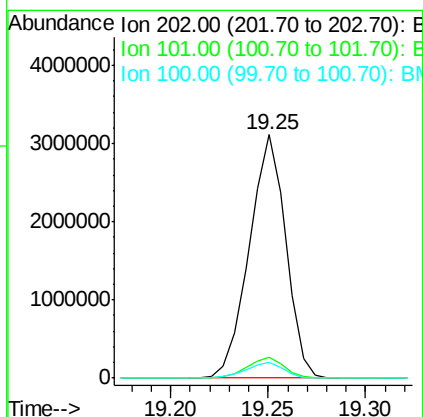
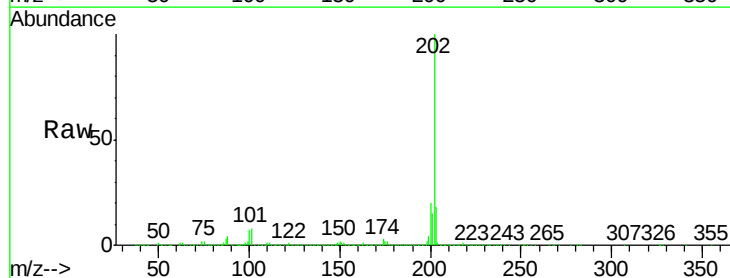
Instrument :
 BNA_M
 ClientSampleId :
 B-6(5-5.5)-101717

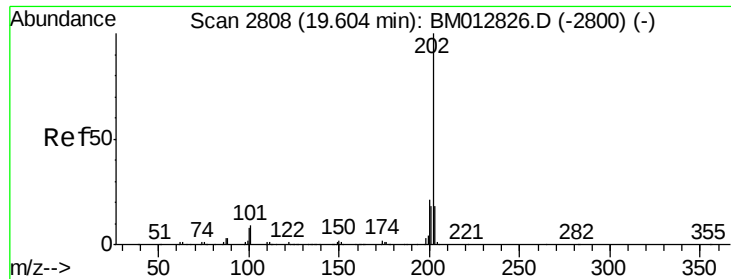
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.4	11.0	16.4



#76
 Fluoranthene
 Concen: 105.62 ng/ul
 RT: 19.25 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BM012836.D
 Acq: 09 Nov 2017 00:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	8.8	13.2#
100	6.6	6.6	9.8

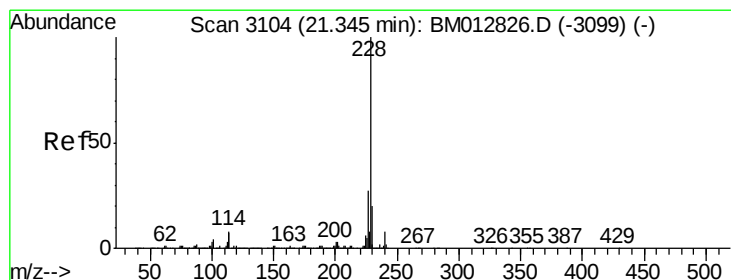
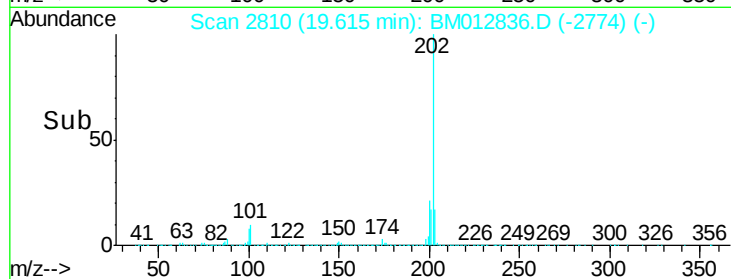
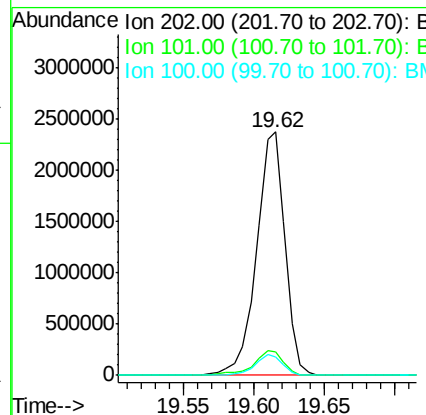
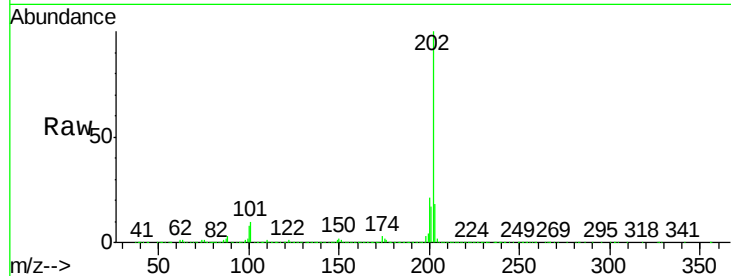




#79
Pvrene
Concen: 92.14 ng/ul
RT: 19.62 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

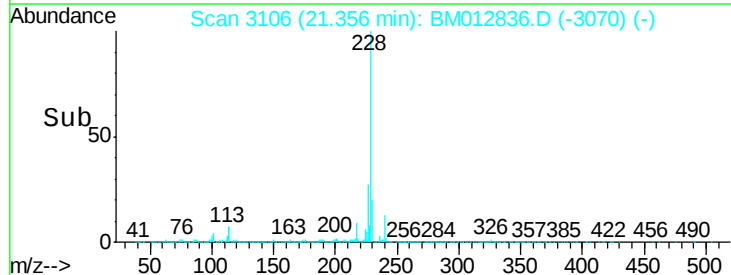
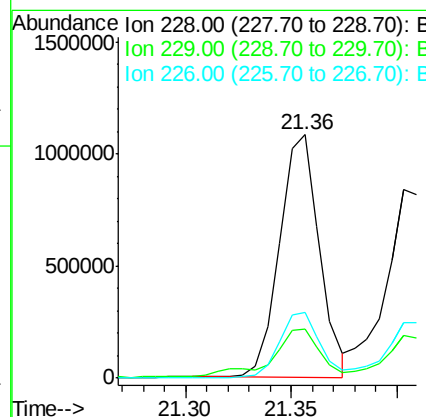
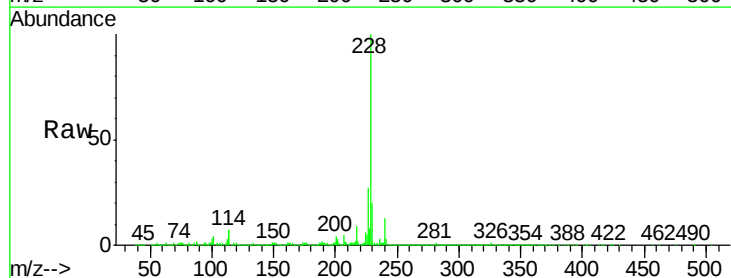
Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

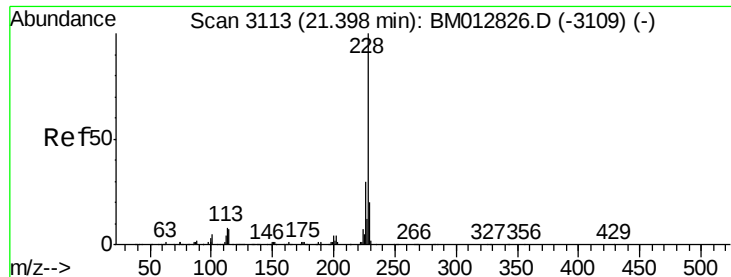
Tot Ion:202 Resp: 3347103
Ion Ratio Lower Upper
202 100
101 9.7 10.2 15.2#
100 7.8 8.5 12.7#



#82
Benzo(a)anthracene
Concen: 38.46 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM012836.D
Acq: 09 Nov 2017 00:06

Tgt Ion:228 Resp: 1417041
Ion Ratio Lower Upper
228 100
229 20.3 15.7 23.5
226 27.1 21.8 32.6





#84

Chrysene

Concen: 35.80 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

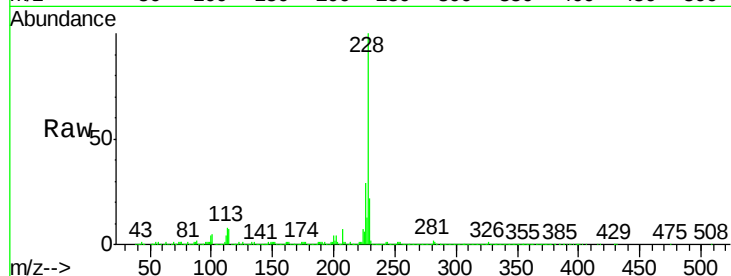
BNA_M

ClientSampleId :

B-6(5-5.5)-101717

Tot Ion:228 Resp: 1195349

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	22.4	15.6	23.4

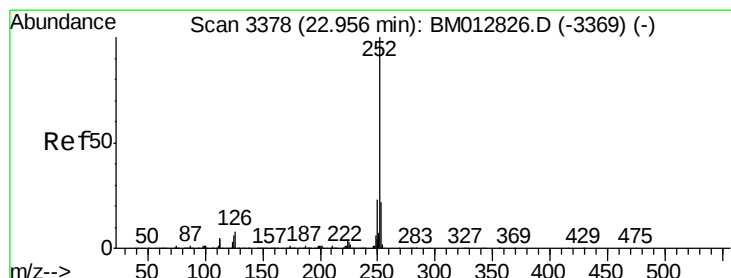
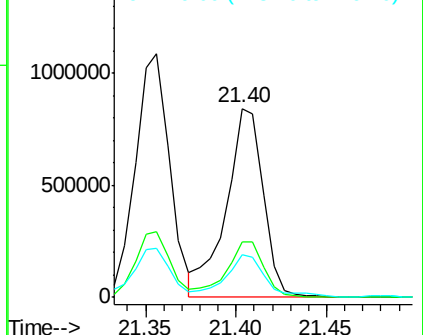
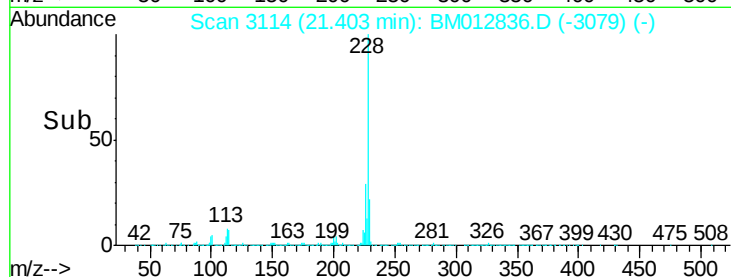


Abundance

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: 4.77 ng/ul

RT: 23.14 min Scan# 3409

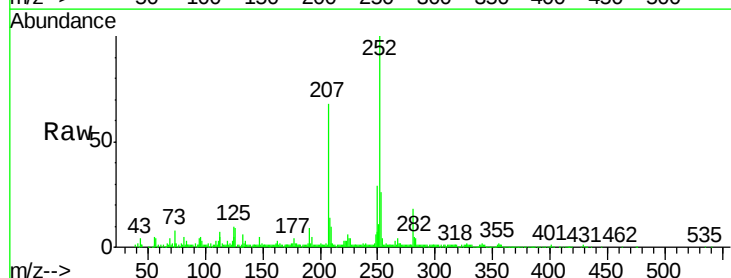
Delta R.T. 0.18 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Tgt Ion:252 Resp: 206313

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.5	26.3
125	9.5	8.5	12.7

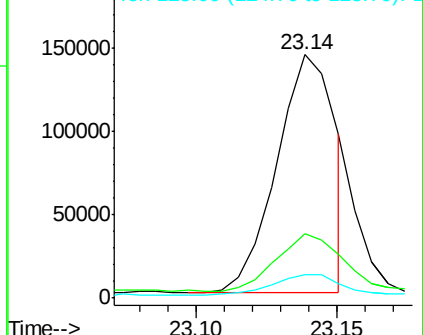
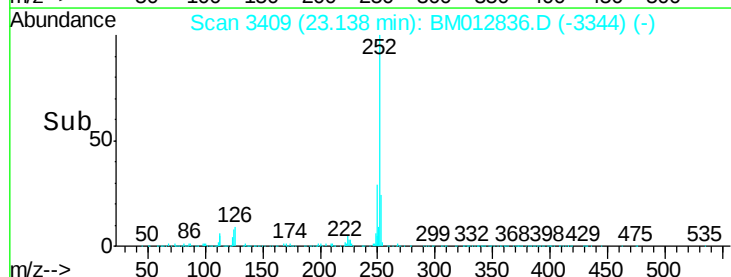


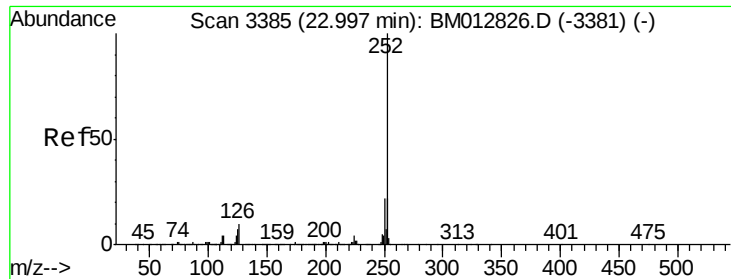
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 36.71 ng/ul

RT: 22.97 min Scan# 3380

Delta R.T. -0.03 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

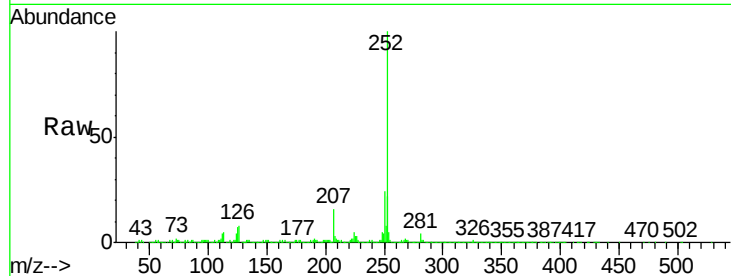
Tot Ion:252 Resp: 1510110

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

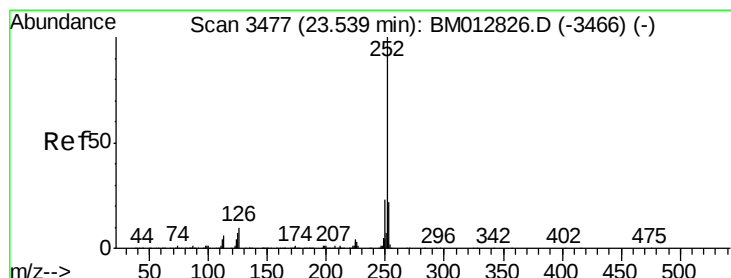
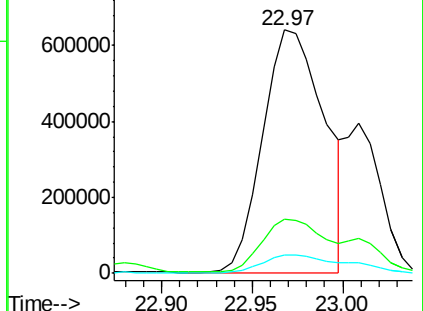
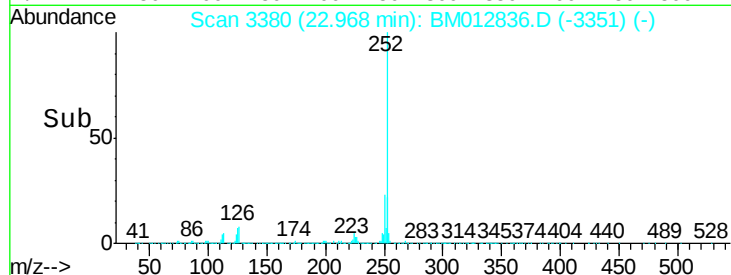
125 7.4 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 17.13 ng/ul

RT: 23.46 min Scan# 3463

Delta R.T. -0.08 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

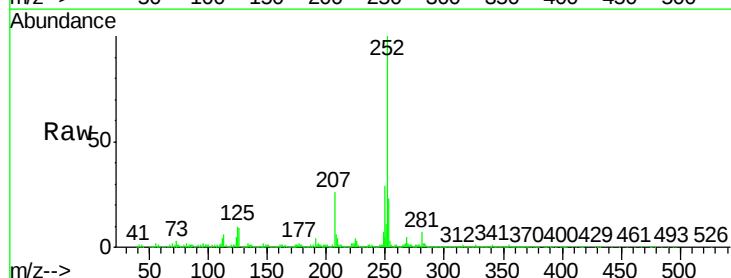
Tgt Ion:252 Resp: 705514

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

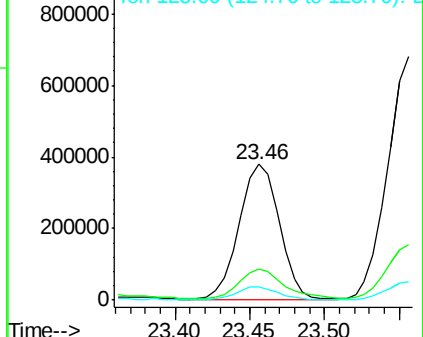
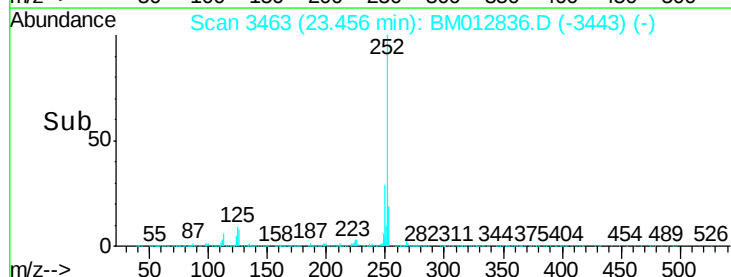
125 10.0 9.0 13.6

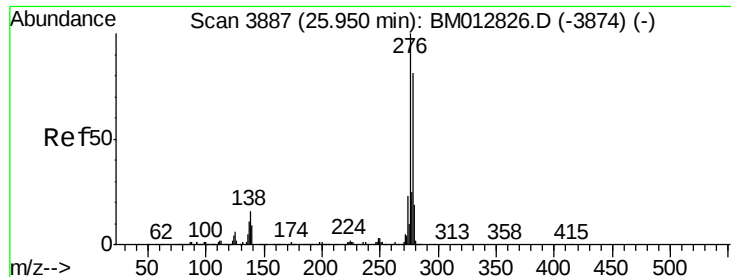


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 15.93 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

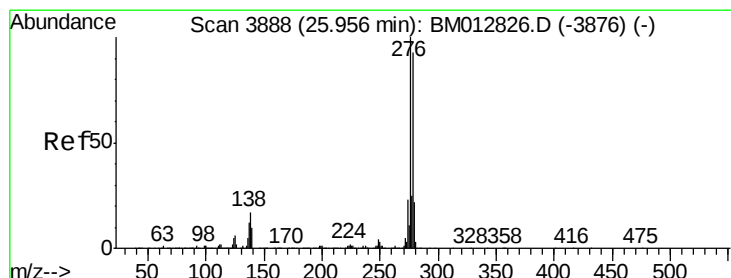
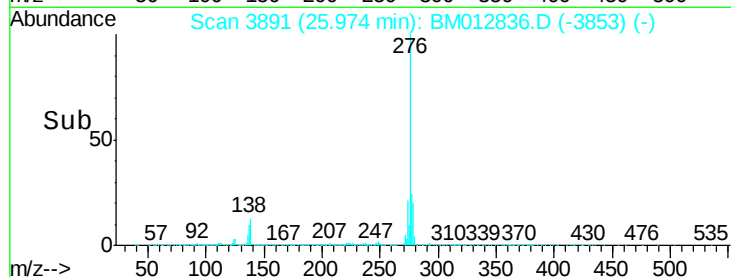
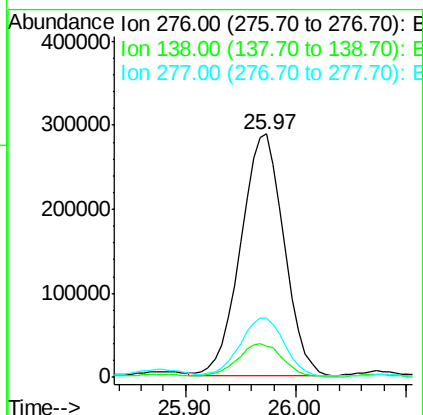
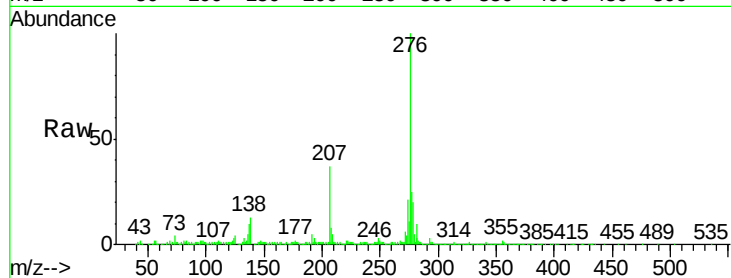
Tot Ion:276 Resp: 790560

Ion Ratio Lower Upper

276 100

138 13.0 22.3 33.5#

277 24.6 20.2 30.2



#92

Dibenzo(a,h)anthracene

Concen: 4.49 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

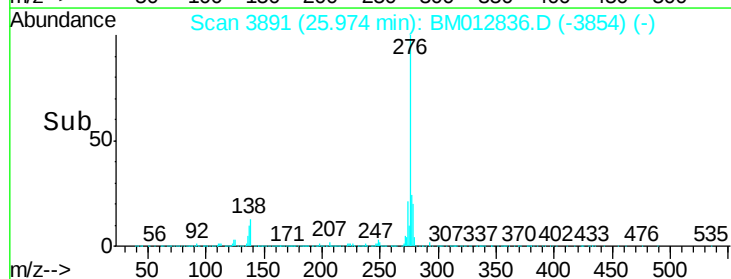
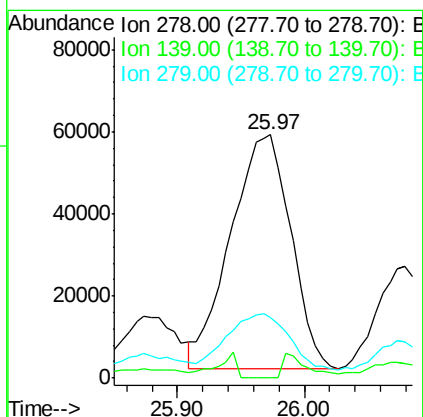
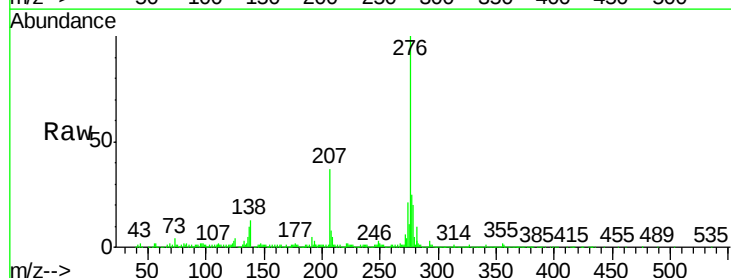
Tgt Ion:278 Resp: 188458

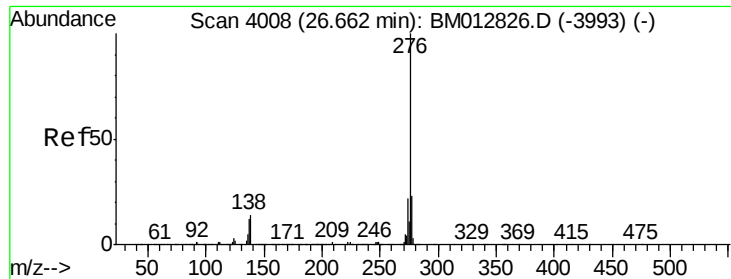
Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

279 25.1 19.0 28.4





#93

Benzo(a,h,i)perylene

Concen: 16.00 ng/ul

RT: 26.69 min Scan# 4012

Delta R.T. 0.02 min

Lab File: BM012836.D

Acq: 09 Nov 2017 00:06

Instrument :

BNA_M

ClientSampleId :

B-6(5-5.5)-101717

Tot Ion:276 Resp: 654386

Ion Ratio Lower Upper

276 100

138 13.9 18.9 28.3#

277 24.4 19.2 28.8

