

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012138.D
 Acq On : 13 Oct 2017 15:45
 Operator : SJ/JU
 Sample : I5533-09DL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 18:51:52 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	185902	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	821055	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	503715	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1172061	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1322414	20.00	ng/ul	0.02
83) Perylene-d12	23.76	264	1067019	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	1319	0.34	ng/uL	0.01
5) Phenol-d5	7.02	99	19268	1.28	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.17	67	12586	1.39	ng/ul	0.02
9) 2-Chlorophenol-d4	7.37	132	17409	1.36	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	16364	1.26	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	7809	1.25	ng/ul	0.02
22) 2-Nitrophenol-d4	9.75	143	8200	1.12	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.29	165	17495	1.25	ng/ul	0.04
29) 4-Chloroaniline-d4	10.81	131	11535	0.88	ng/ul	0.04
43) Dimethylphthalate-d6	13.90	166	63349	1.42	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	77677	1.44	ng/ul	0.02
51) 4-Nitrophenol-d4	14.69	143	649	0.10	ng/ul	0.00
57) Fluorene-d10	15.49	176	56904	1.56	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.34	188	92802	1.60	ng/ul	0.02
76) Pyrene-d10	19.64	212	103008	1.53	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.61	264	74805	1.45	ng/ul	0.04

Target Compounds

					Ovalue	
28) Naphthalene	10.70	128	373661	8.796	ng/ul	99
30) 4-Chloroaniline	10.70	127	48519	3.772	ng/ul#	15
34) 2-Methylnaphthalene	12.32	142	169751	5.295	ng/ul	94
40) 1,1'-Biphenyl	13.33	154	67373	1.585	ng/ul	98
49) Acenaphthene	14.56	153	428997	12.035	ng/ul	99
53) Dibenzofuran	14.90	168	558560	10.883	ng/ul	98
58) Fluorene	15.54	166	718871	16.864	ng/ul	98
60) 4-Nitroaniline	15.54	138	9016	1.060	ng/ul#	9
69) Phenanthrene	17.29	178	8434807	126.505	ng/ul	99
71) Anthracene	17.38	178	1950299	28.254	ng/ul	99
72) Carbazole	17.65	167	541537	9.270	ng/ul	98
74) Fluoranthene	19.31	202	9059883	112.595	ng/ul#	91
77) Pyrene	19.67	202	7639291	87.472	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	3615048	42.012	ng/ul	97
82) Chrysene	21.47	228	3090128	38.250	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	3040464	43.665	ng/ul#	97
86) Benzo(k)fluoranthene	23.06	252	3040464	45.310	ng/ul#	95
88) Benzo(a)pyrene	23.66	252	2223700	33.883	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.16	276	1214661	17.428	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.16	278	313279	5.347	ng/ul#	81
91) Benzo(a,h,i)perylene	26.90	276	1088026	19.061	ng/ul#	90

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

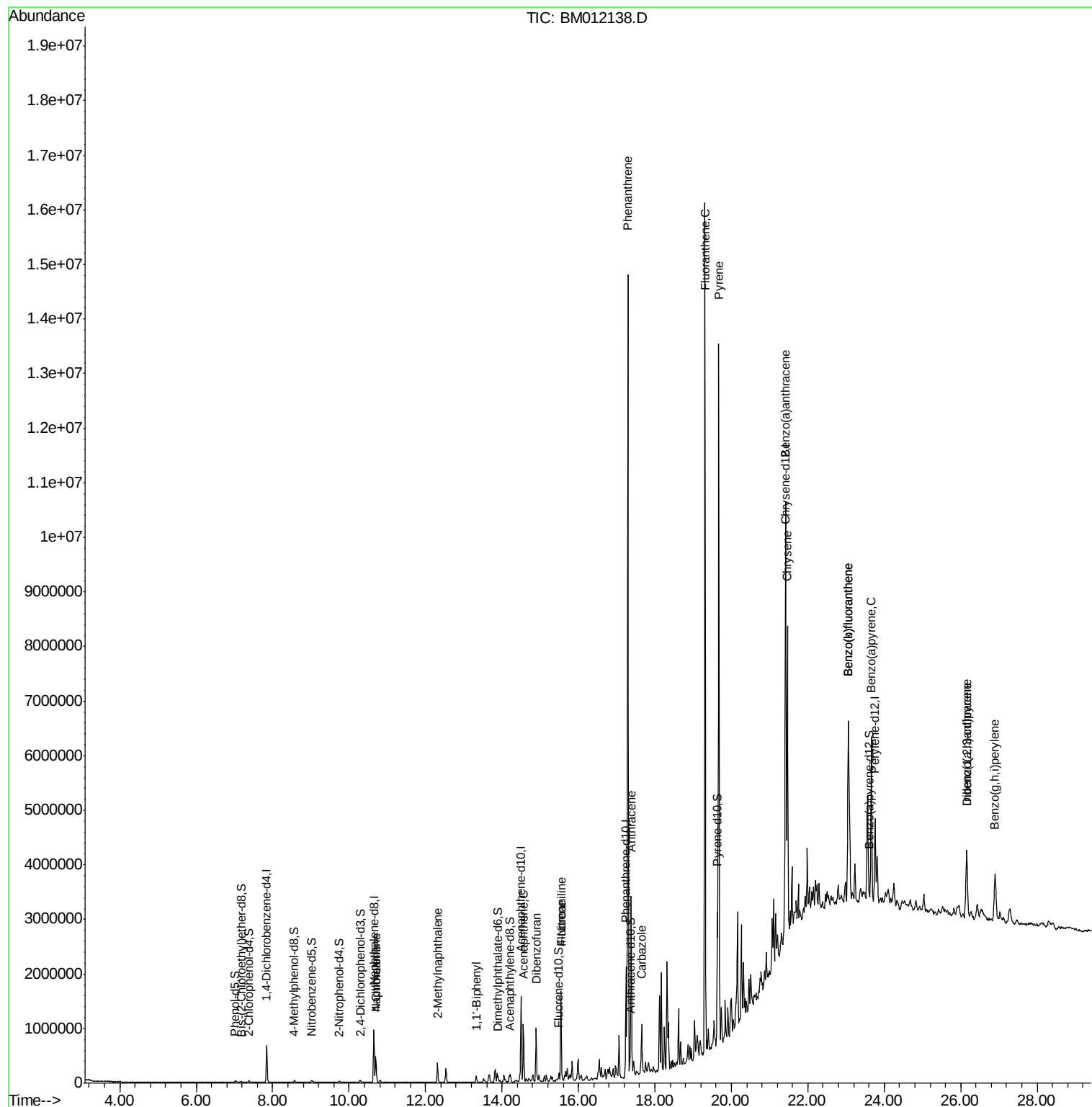
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

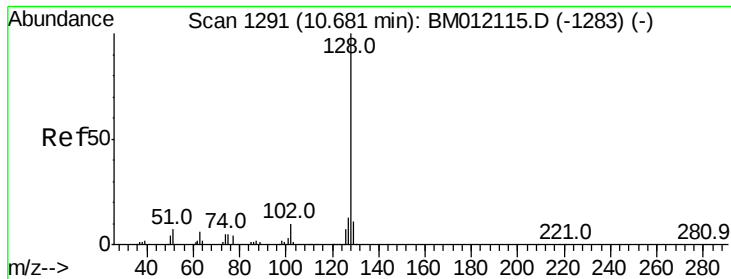
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101217\
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Sample : I5533-09DL 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Oct 13 18:51:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

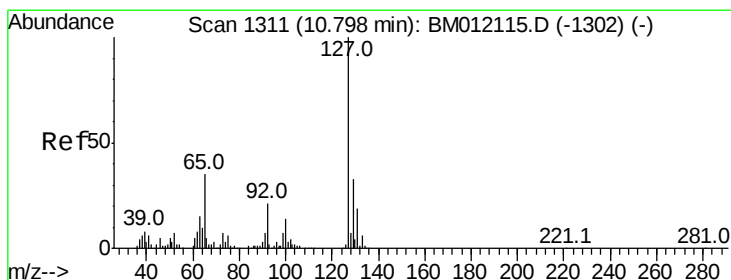
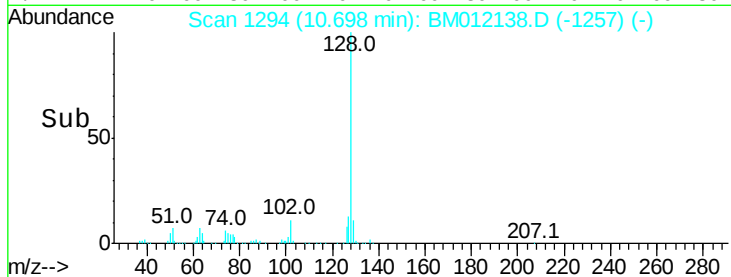
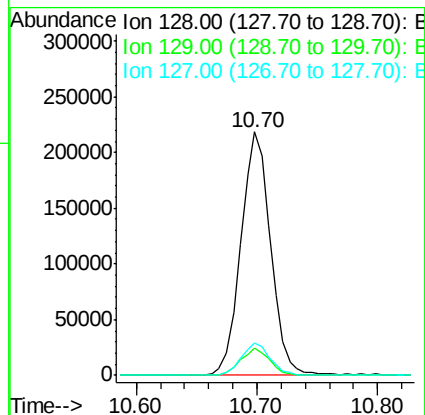
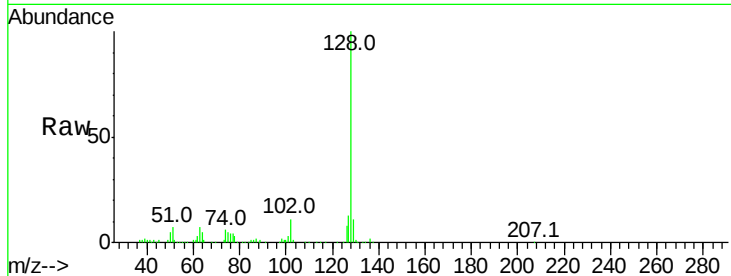




#28
Naphthalene
Concen: 8.796 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. 0.02 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

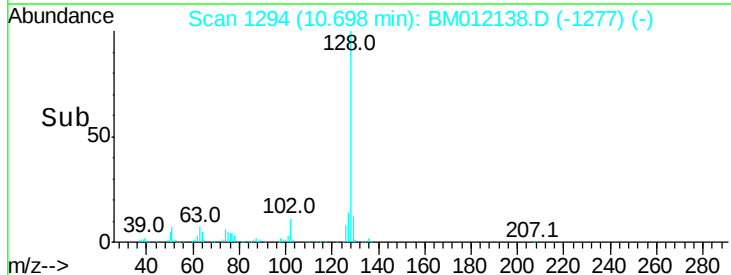
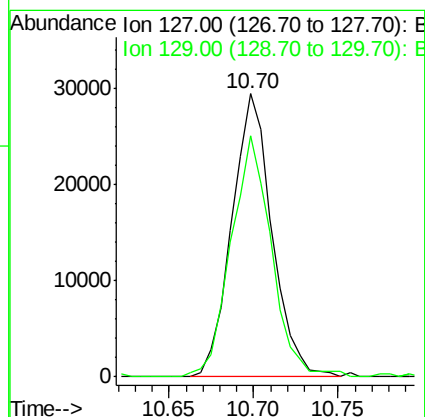
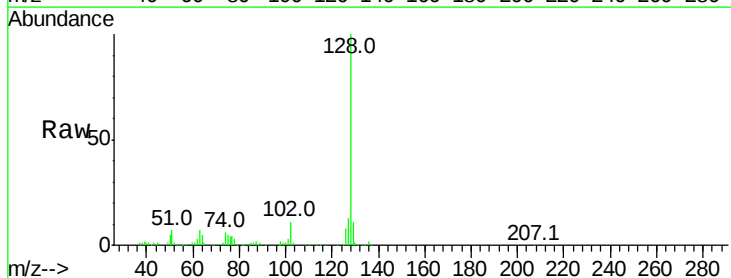
Instrument :
BNA_M
ClientSampleId :

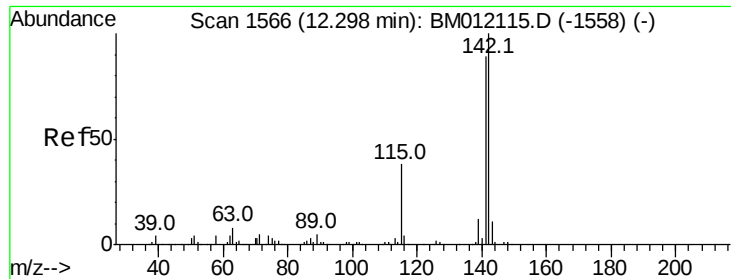
Tot Ion:128 Resp: 373661
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.5 10.6 16.0



#30
4-Chloroaniline
Concen: 3.772 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. -0.10 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion:127 Resp: 48519
Ion Ratio Lower Upper
127 100
129 85.2 28.4 42.6#

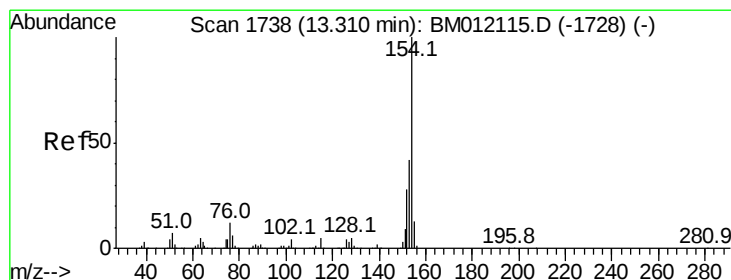
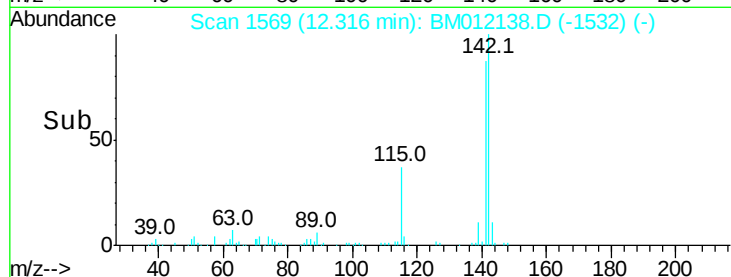
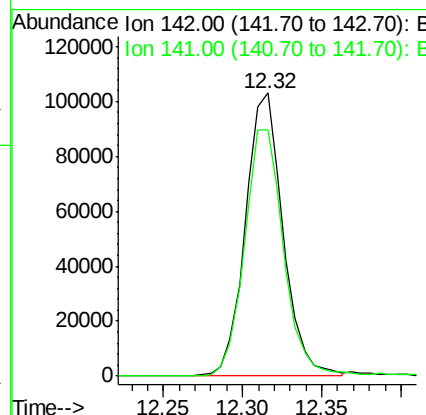
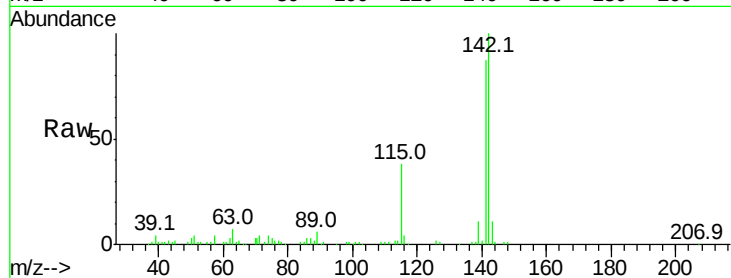




#34
 2-Methylnaphthalene
 Concen: 5.295 ng/ul
 RT: 12.32 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: BM012138.D
 Acq: 13 Oct 2017 15:45

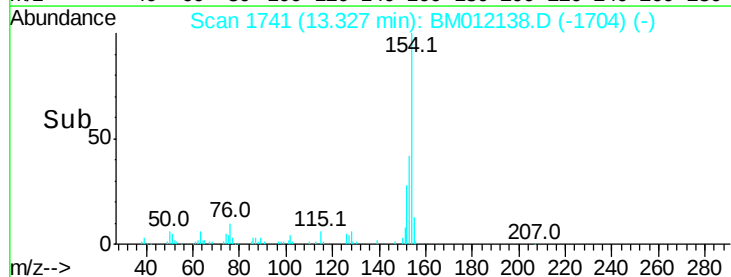
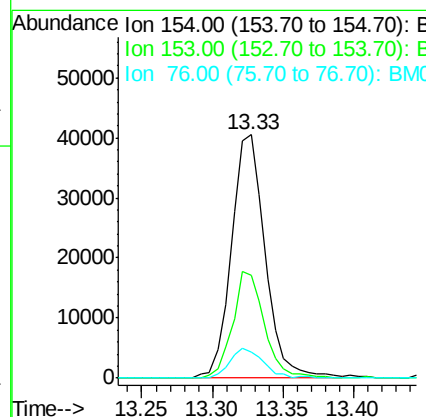
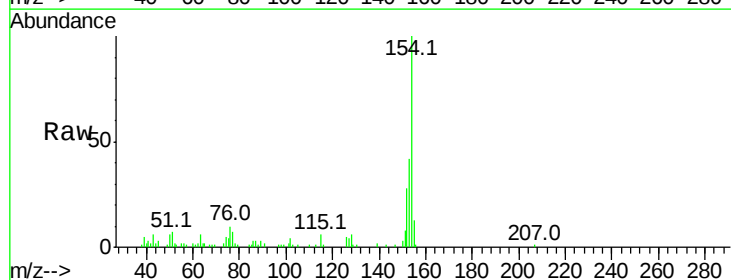
Instrument :
 BNA_M
 ClientSampleId :

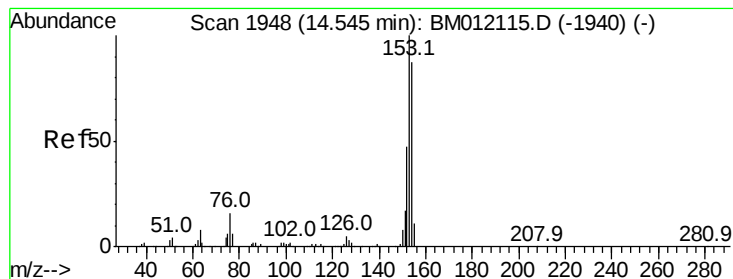
Tot Ion:142 Resp: 169751
 Ion Ratio Lower Upper
 142 100
 141 86.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.585 ng/ul
 RT: 13.33 min Scan# 1741
 Delta R.T. 0.02 min
 Lab File: BM012138.D
 Acq: 13 Oct 2017 15:45

Tgt Ion:154 Resp: 67373
 Ion Ratio Lower Upper
 154 100
 153 42.0 32.6 48.8
 76 10.5 8.5 12.7





#49

Acenaphthene

Concen: 12.035 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

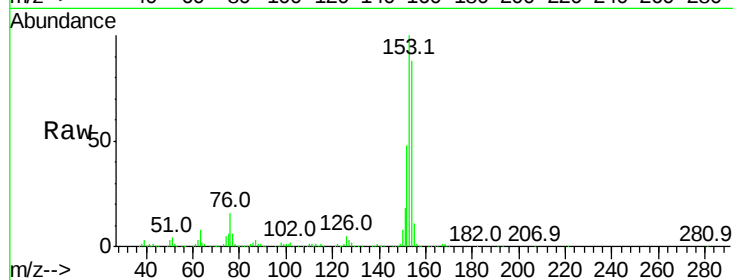
Instrument :

BNA_M

ClientSampleId :

Tot Ion:153 Resp: 428997

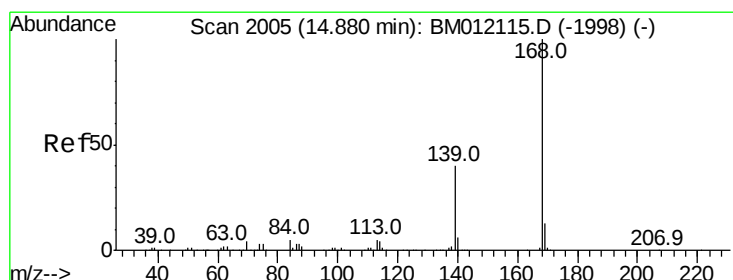
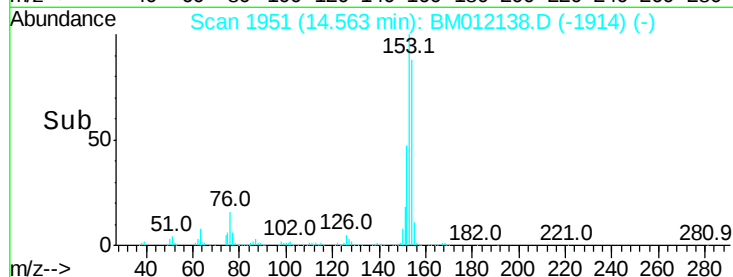
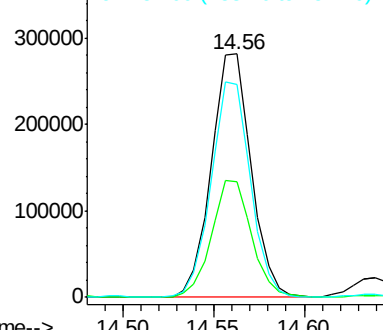
Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.6	56.4
154	87.5	70.4	105.6



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: 10.883 ng/ul

RT: 14.90 min Scan# 2008

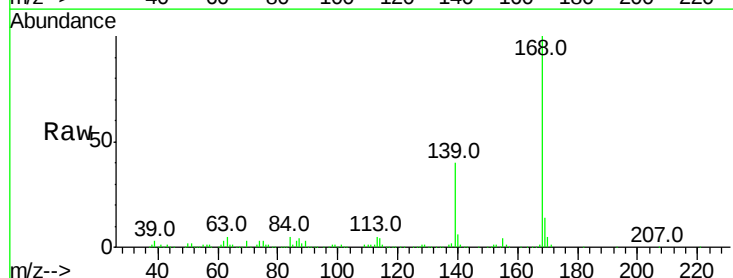
Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

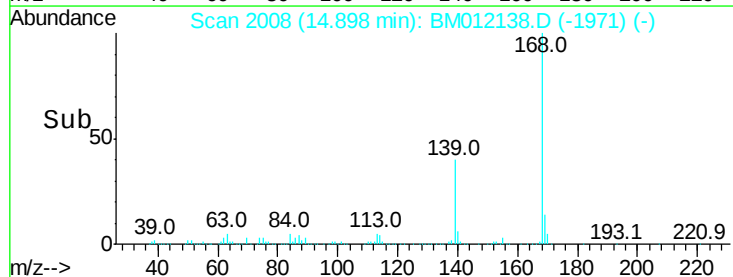
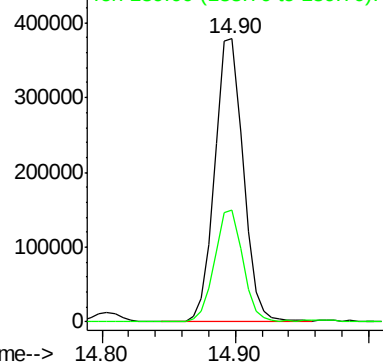
Tgt Ion:168 Resp: 558560

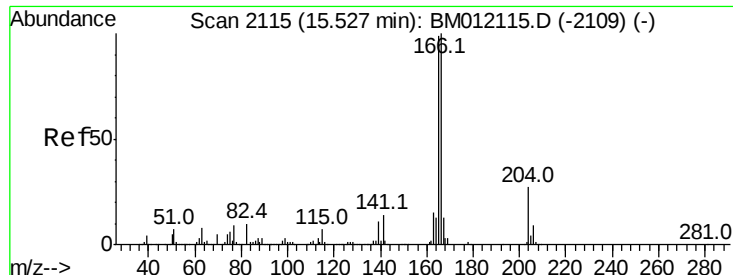
Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 16.864 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

ClientSampleId :

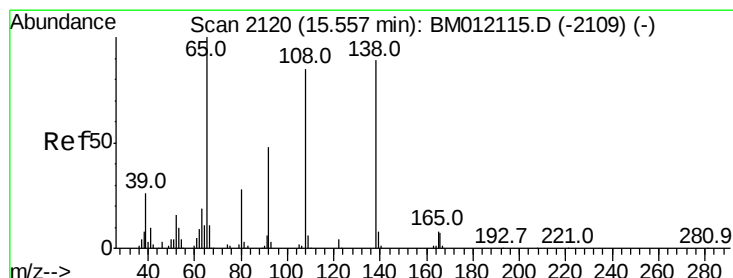
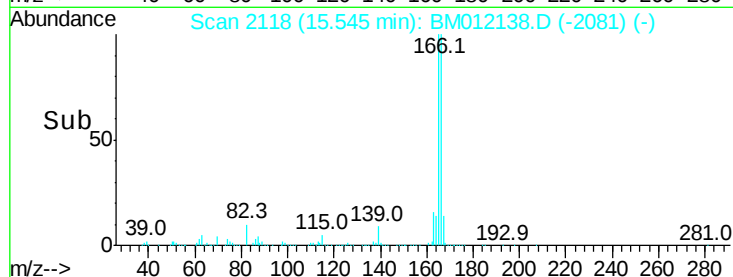
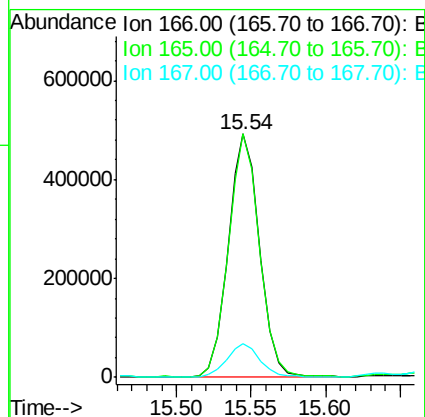
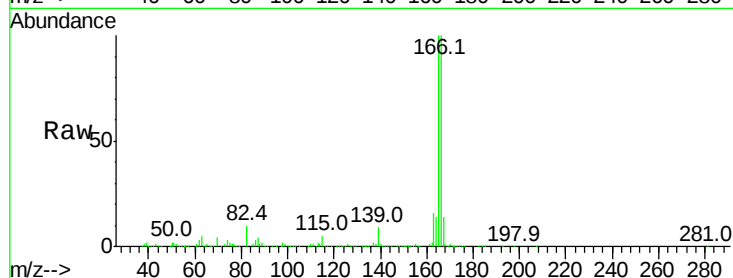
Tot Ion:166 Resp: 718871

Ion Ratio Lower Upper

166 100

165 99.9 77.9 116.9

167 14.0 10.6 16.0



#60

4-Nitroaniline

Concen: 1.060 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

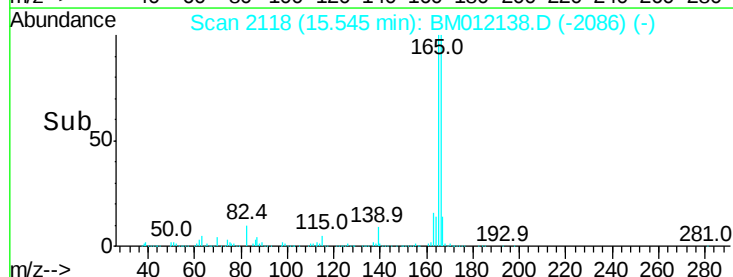
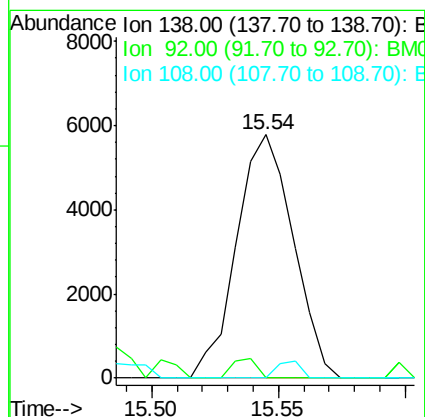
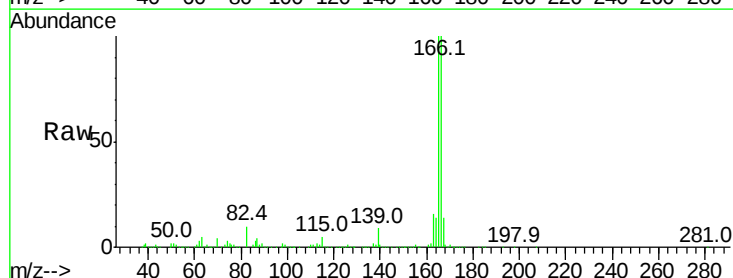
Tgt Ion:138 Resp: 9016

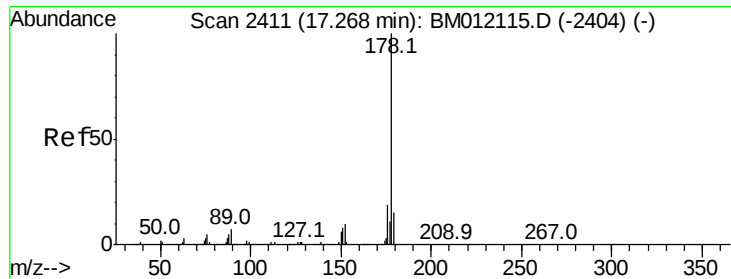
Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

108 0.0 80.0 120.0#





#69

Phenanthrene

Concen: 126.505 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

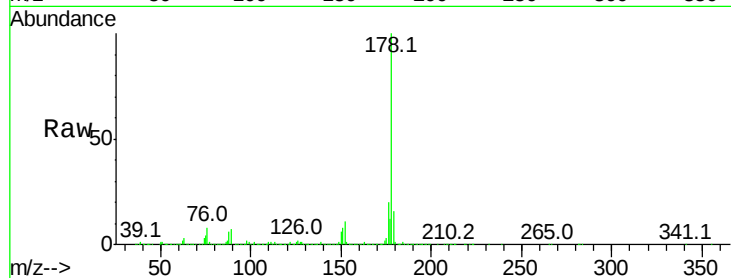
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 8434807

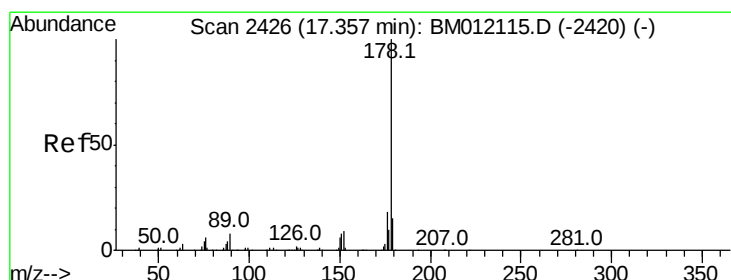
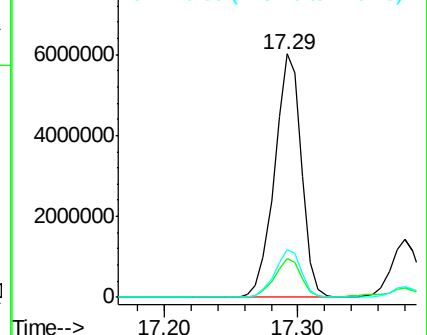
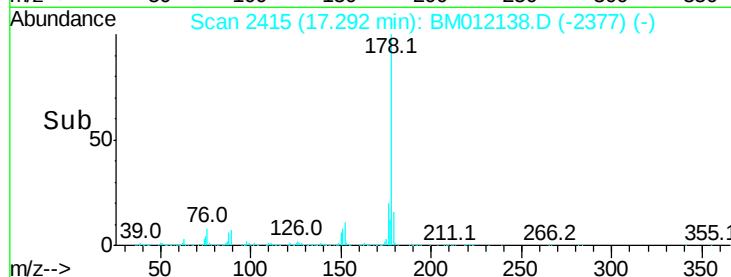
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	19.0
176	19.6	14.9	22.3



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: 28.254 ng/ul

RT: 17.38 min Scan# 2430

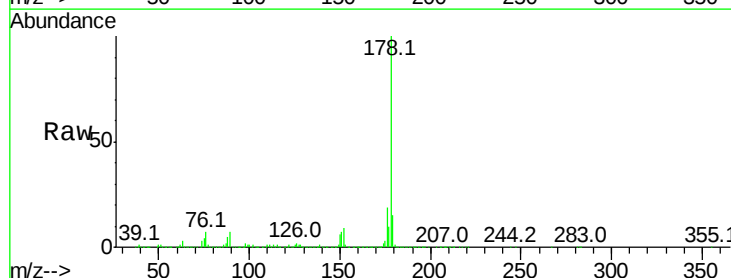
Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Tgt Ion:178 Resp: 1950299

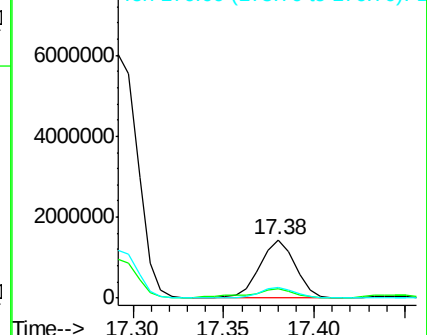
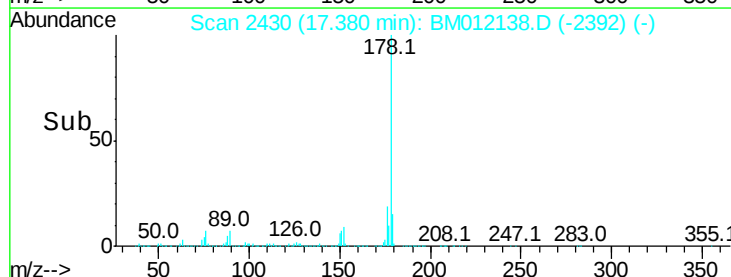
Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	18.8	14.6	21.8

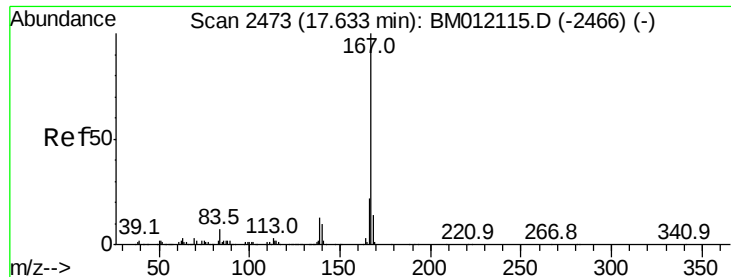


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 9.270 ng/ul

RT: 17.65 min Scan# 2476

Delta R.T. 0.02 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

ClientSampleId :

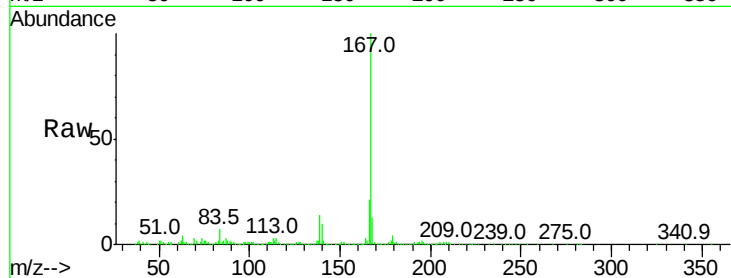
Tot Ion:167 Resp: 541537

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

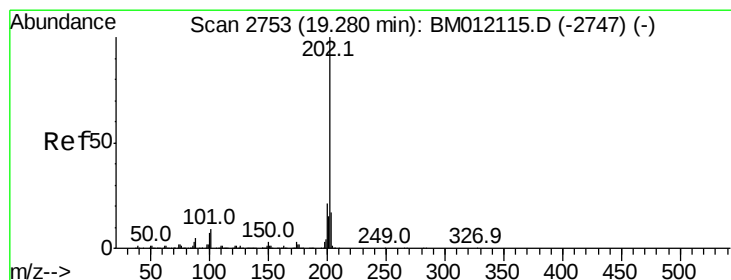
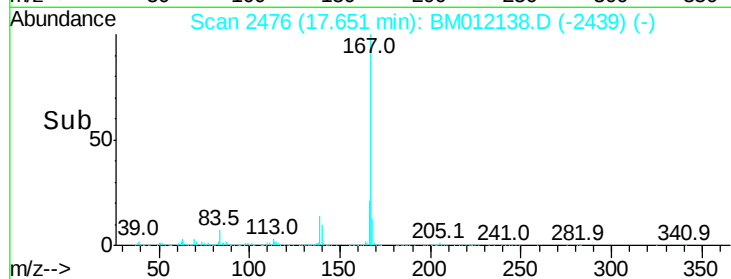
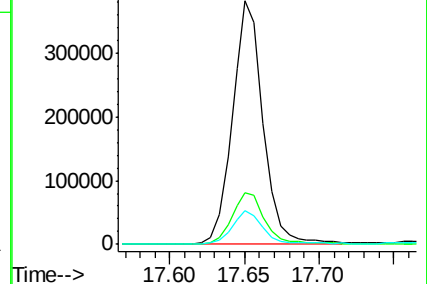
139 14.0 10.0 15.0



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



#74

Fluoranthene

Concen: 112.595 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.03 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

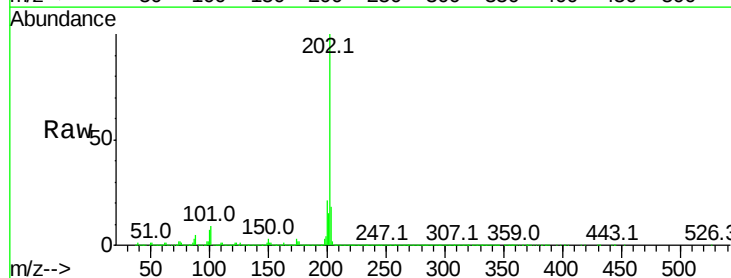
Tgt Ion:202 Resp: 9059883

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

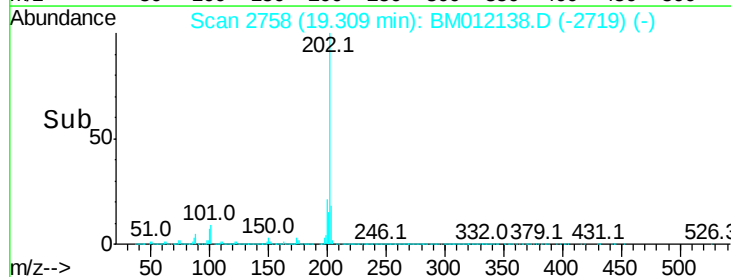
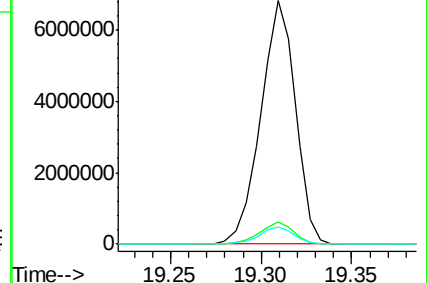
100 7.2 3.4 5.2#

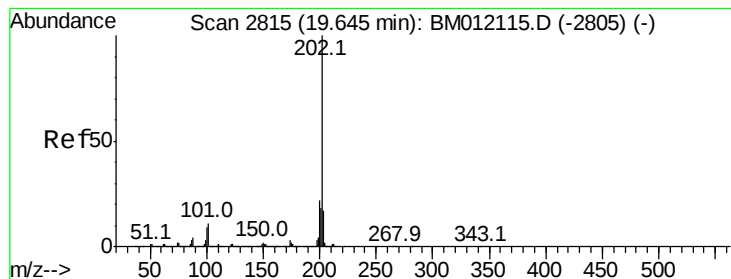


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 87.472 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.03 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

ClientSampleId :

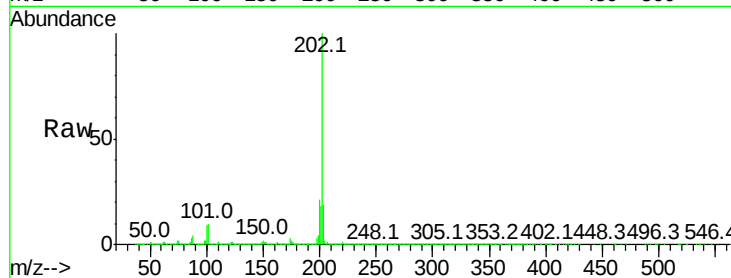
Tot Ion:202 Resp: 7639291

Ion Ratio Lower Upper

202 100

101 10.3 5.1 7.7#

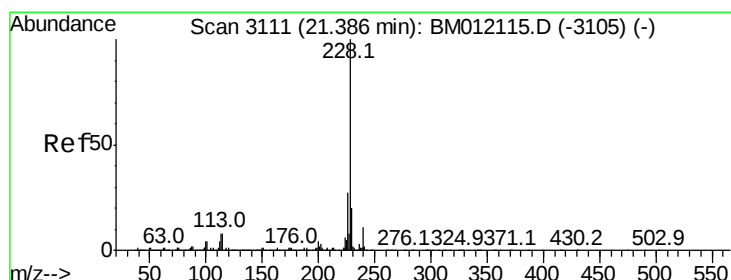
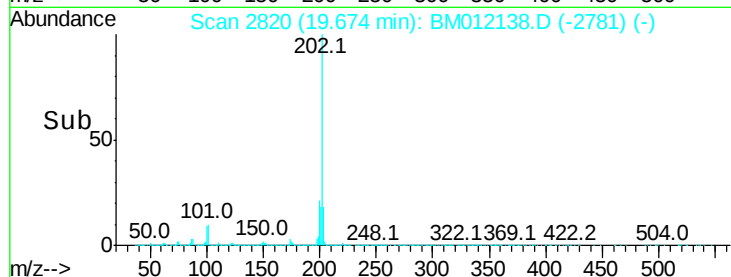
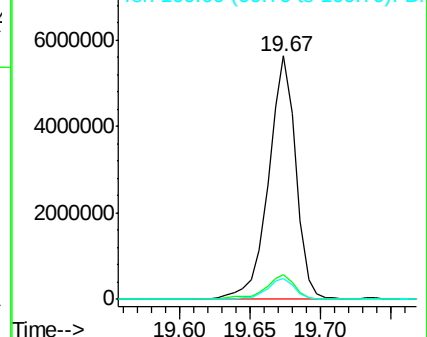
100 8.5 4.9 7.3#



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

Benzo(a)anthracene

Concen: 42.012 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.03 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

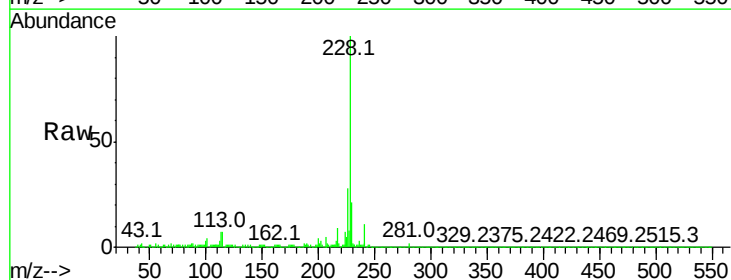
Tgt Ion:228 Resp: 3615048

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

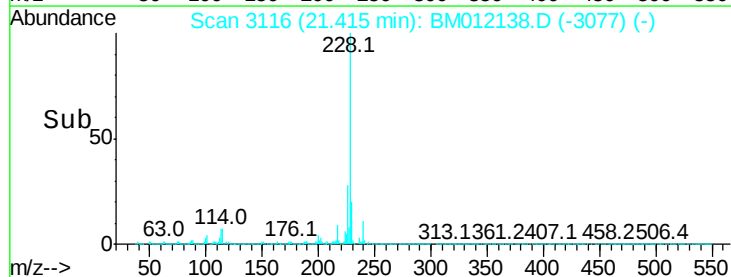
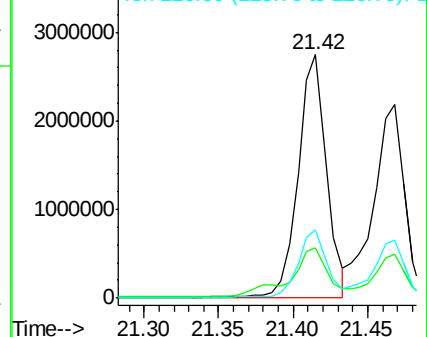
226 28.0 21.4 32.0

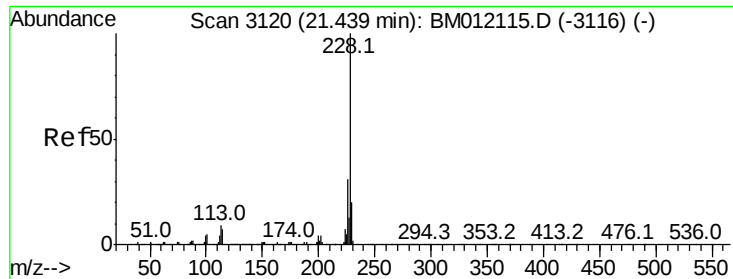


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 38.250 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.03 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

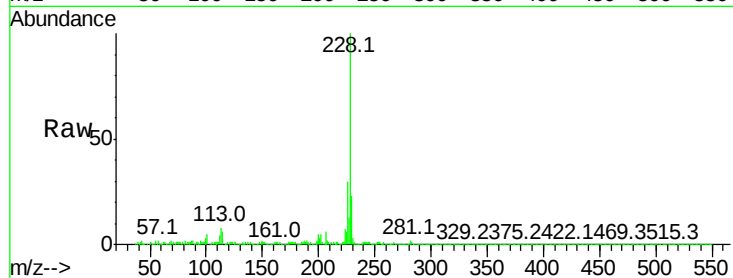
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3090128

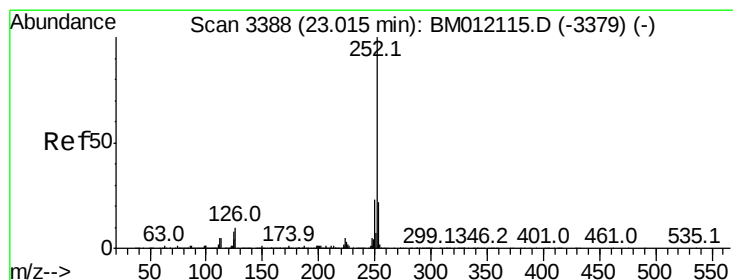
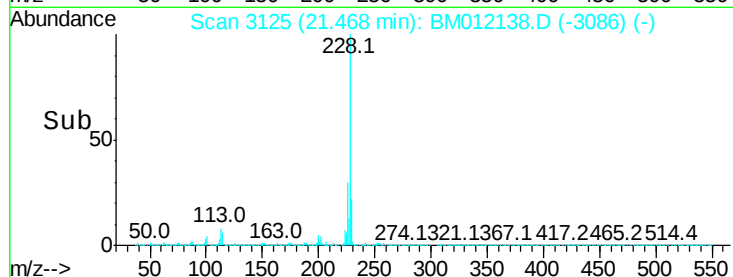
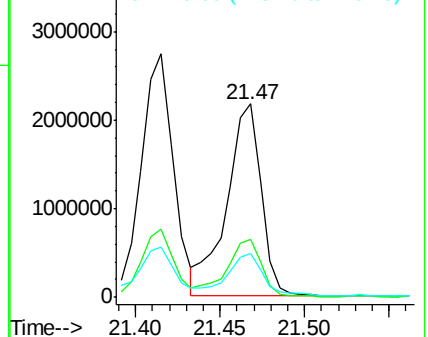
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.6	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 43.665 ng/ul

RT: 23.06 min Scan# 3395

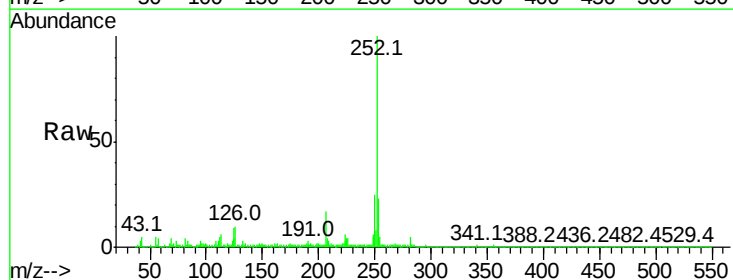
Delta R.T. 0.04 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Tgt Ion:252 Resp: 3040464

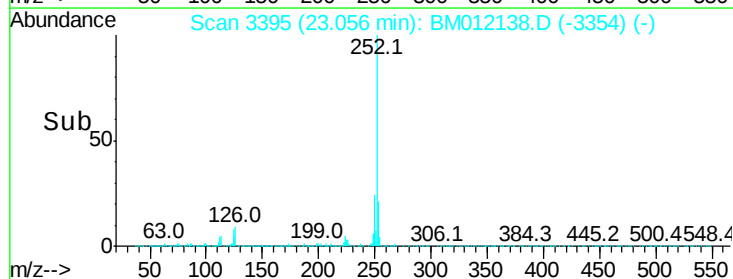
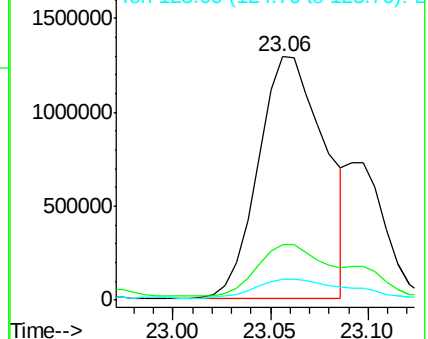
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.6	3.6	5.4

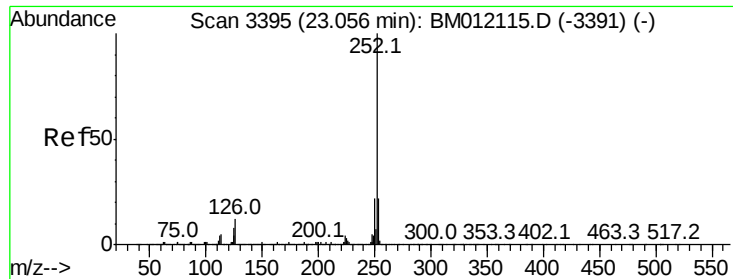


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

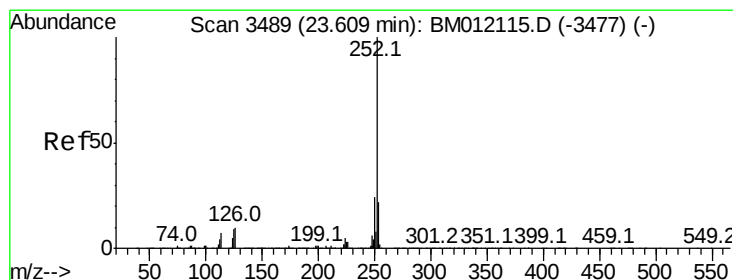
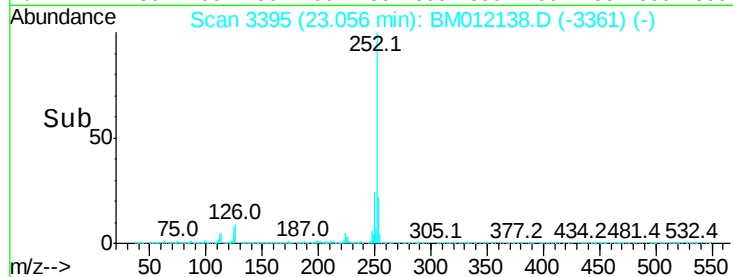
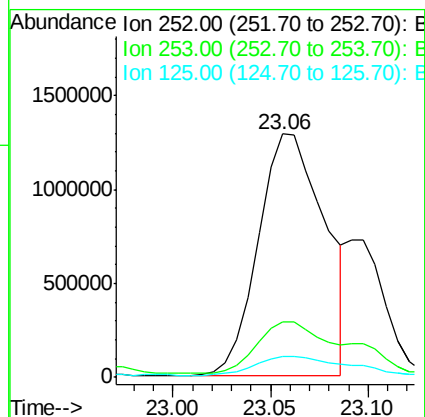
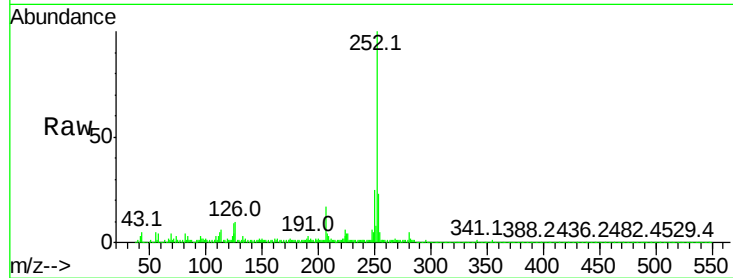




#86
Benzo(k)fluoranthene
Concen: 45.310 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

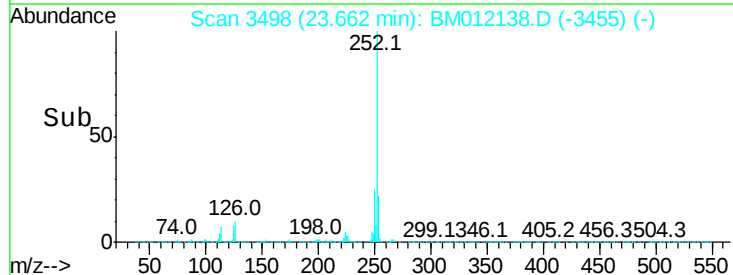
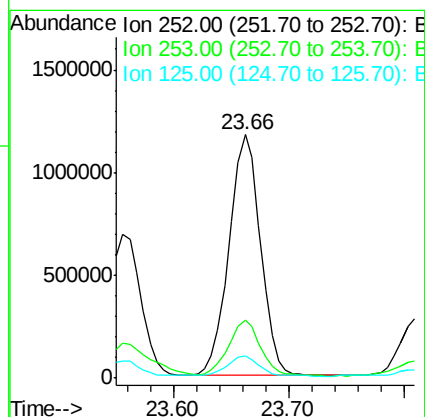
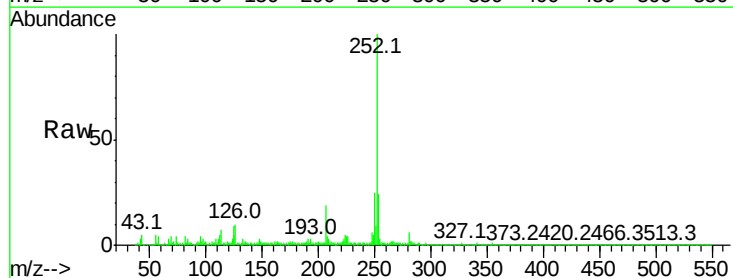
Instrument :
BNA_M
ClientSampleId :

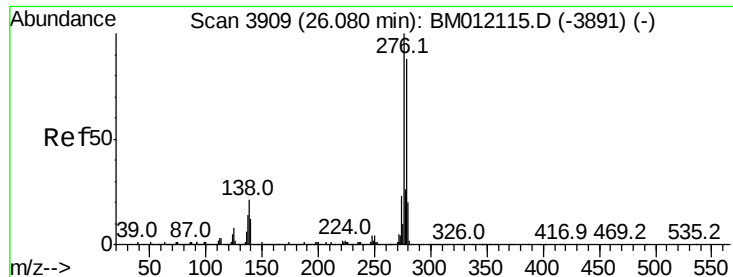
Tot Ion:252 Resp: 3040464
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 8.6 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 33.883 ng/ul
RT: 23.66 min Scan# 3498
Delta R.T. 0.05 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion:252 Resp: 2223700
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 8.9 4.0 6.0#



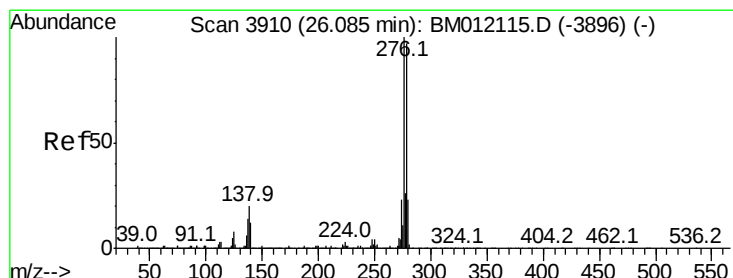
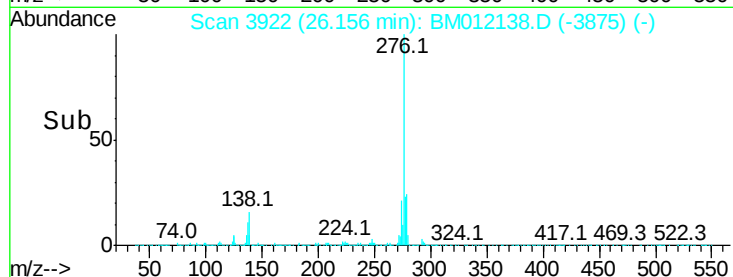
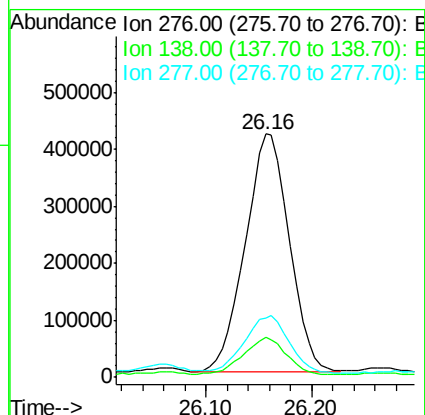
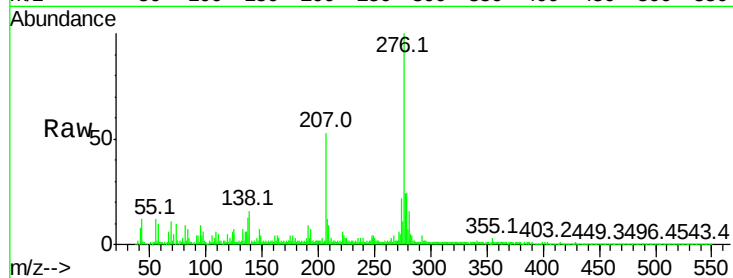


#89

Indeno(1,2,3-cd)pyrene
Concen: 17.428 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. 0.08 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Instrument :
BNA_M
ClientSampled :

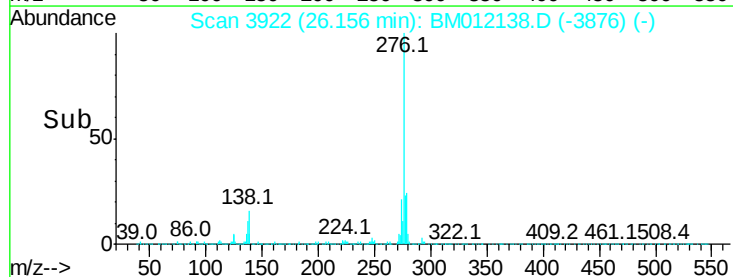
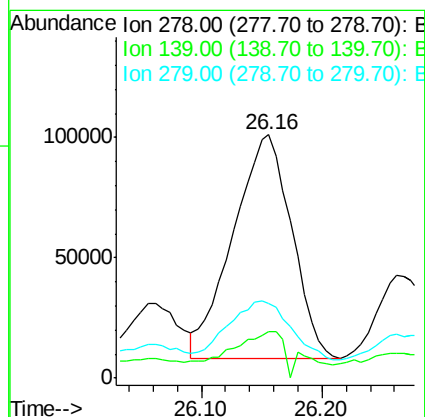
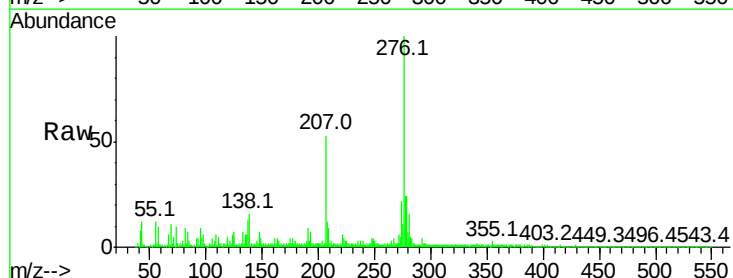
Tot Ion:276 Resp: 1214661
Ion Ratio Lower Upper
276 100
138 16.3 9.3 13.9#
277 24.3 19.9 29.9

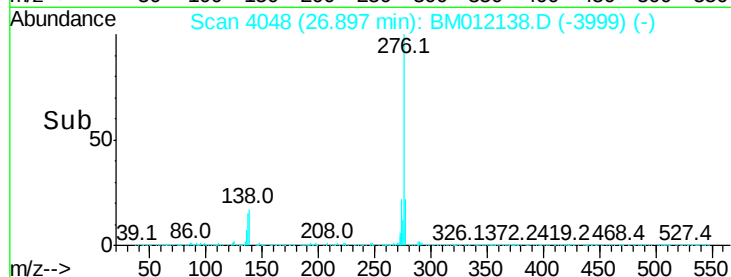
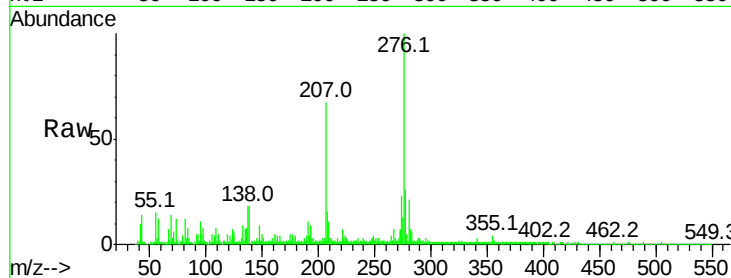
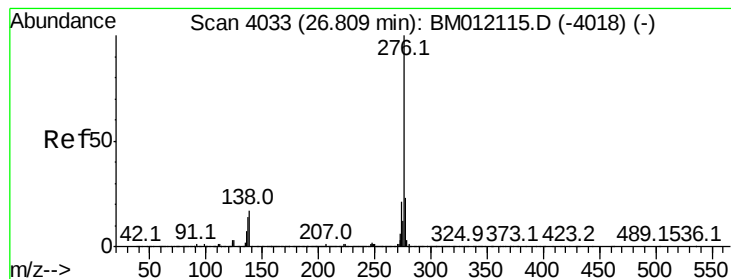


#90

Dibenzo(a,h)anthracene
Concen: 5.347 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. 0.07 min
Lab File: BM012138.D
Acq: 13 Oct 2017 15:45

Tgt Ion:278 Resp: 313279
Ion Ratio Lower Upper
278 100
139 18.8 5.8 8.8#
279 30.6 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 19.061 ng/ul

RT: 26.90 min Scan# 4048

Delta R.T. 0.09 min

Lab File: BM012138.D

Acq: 13 Oct 2017 15:45

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1088026

Ion Ratio Lower Upper

276 100

138 17.8 8.5 12.7#

277 25.9 18.6 28.0

