

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012050.D
 Acq On : 10 Oct 2017 19:57
 Operator : SJ/JU
 Sample : I5669-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 01:15:10 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 01:12:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	202300	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	887647	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	542748	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1276898	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1630949	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1592122	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	11529	2.70	ng/uL	0.00
5) Phenol-d5	7.00	99	192072	11.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	161191	15.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	192903	13.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	168642	11.21	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	97343	15.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	85263	11.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	176048	12.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	29712	1.89	ng/ul	0.01
43) Dimethylphthalate-d6	13.90	166	603818	12.84	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	901095	16.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	790	0.10	ng/ul	0.06
57) Fluorene-d10	15.48	176	673008	16.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	9568	1.11	ng/ul	0.00
70) Anthracene-d10	17.33	188	1014887	16.13	ng/ul	0.00
76) Pyrene-d10	19.63	212	1264189	17.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1100098	14.36	ng/ul	0.00

Target Compounds

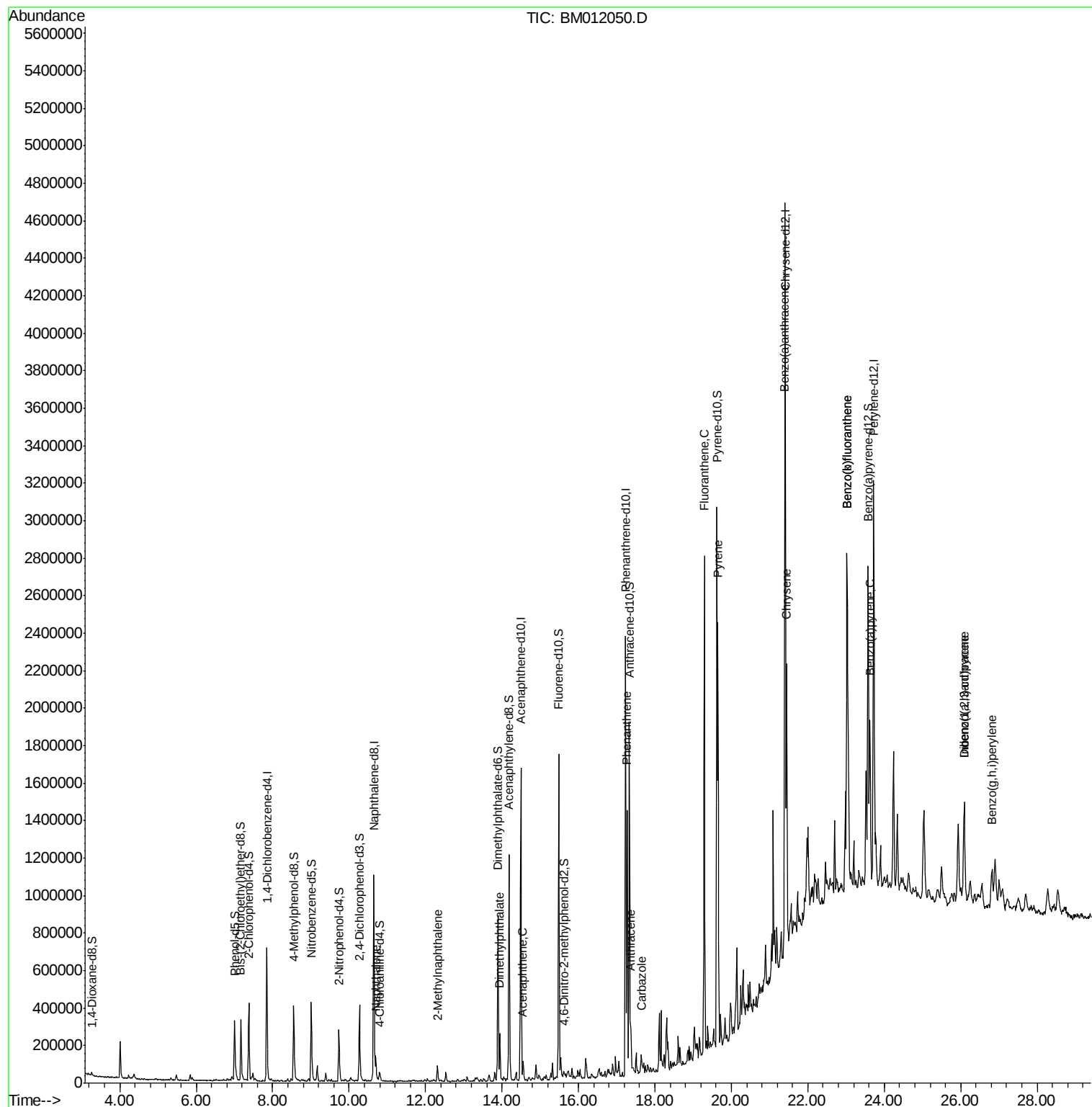
					Ovalue	
28) Naphthalene	10.70	128	99935	2.244	ng/ul	100
34) 2-Methylnaphthalene	12.31	142	46150	1.359	ng/ul	99
44) Dimethylphthalate	13.95	163	162814	3.598	ng/ul	99
49) Acenaphthene	14.55	153	39284	1.059	ng/ul	99
69) Phenanthrene	17.27	178	848886	12.086	ng/ul	98
71) Anthracene	17.37	178	172859	2.419	ng/ul	96
72) Carbazole	17.64	167	66536	1.075	ng/ul	99
74) Fluoranthene	19.29	202	1552159	18.112	ng/ul#	91
77) Pyrene	19.65	202	1339364	14.811	ng/ul#	89
80) Benzo(a)anthracene	21.39	228	860491	9.210	ng/ul	99
82) Chrysene	21.44	228	810147	9.126	ng/ul	99
85) Benzo(b)fluoranthene	23.03	252	1080785	11.168	ng/ul#	96
86) Benzo(k)fluoranthene	23.03	252	1080785	11.186	ng/ul#	94
88) Benzo(a)pyrene	23.63	252	645832	6.945	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	361498	3.633	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	107656	1.317	ng/ul#	84
91) Benzo(g,h,i)perylene	26.82	276	295883	3.595	ng/ul#	96

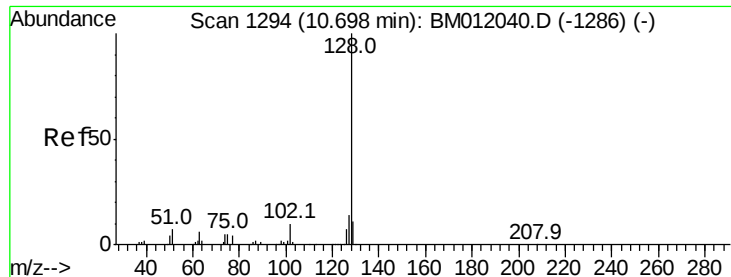
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 2.244 ng/ul

RT: 10.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

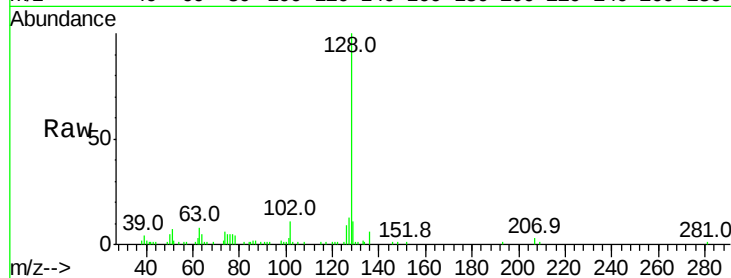
Tot Ion:128 Resp: 99935

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

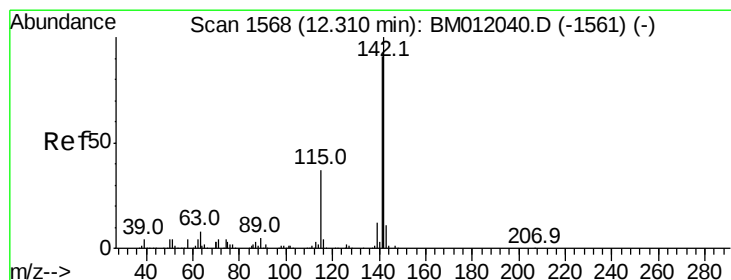
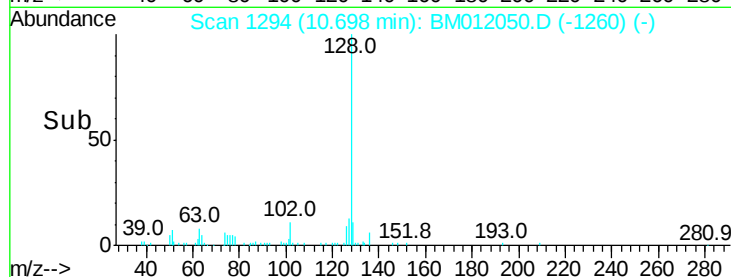
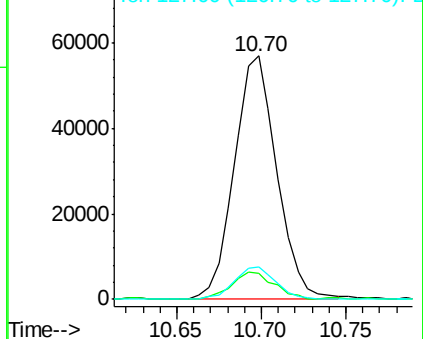
127 13.4 10.6 16.0



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: 1.359 ng/ul

RT: 12.31 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BM012050.D

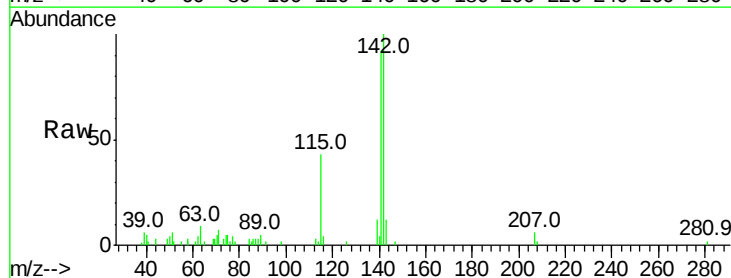
Acq: 10 Oct 2017 19:57

Tgt Ion:142 Resp: 46150

Ion Ratio Lower Upper

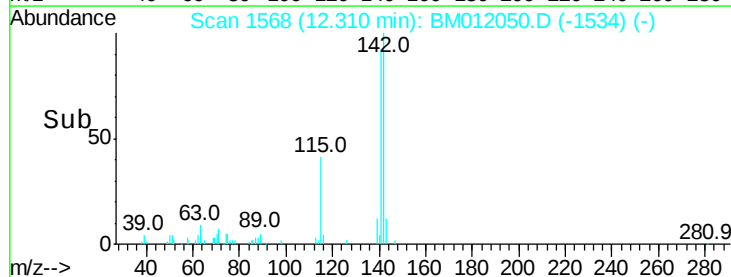
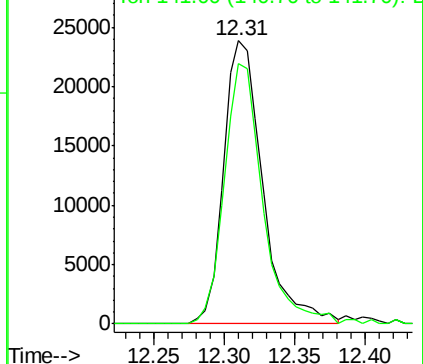
142 100

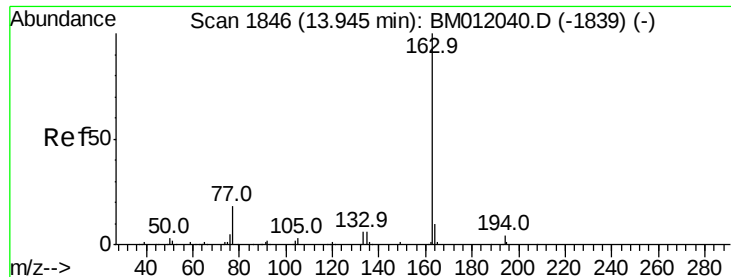
141 92.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 3.598 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

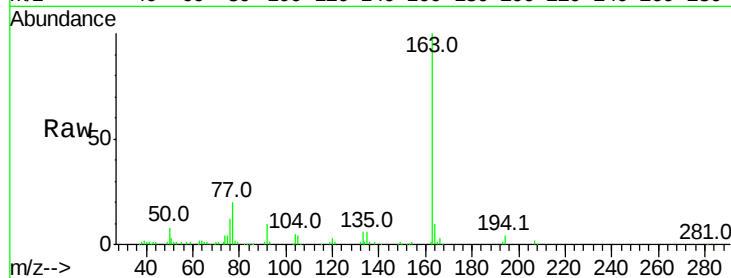
Tot Ion:163 Resp: 162814

Ion Ratio Lower Upper

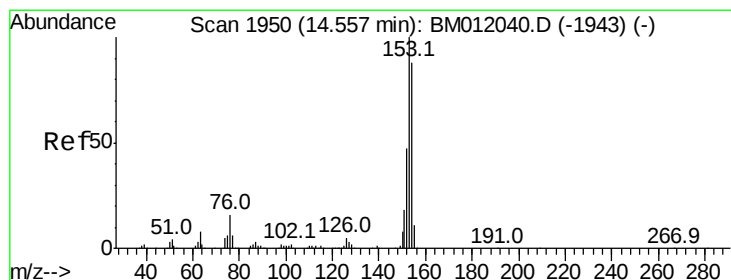
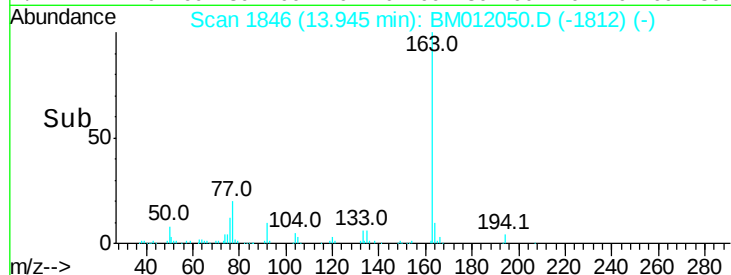
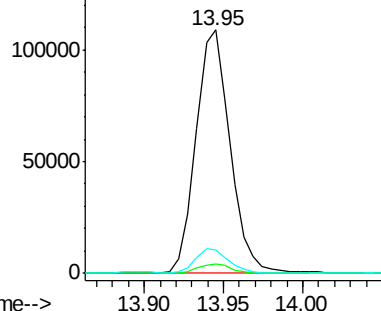
163 100

194 4.1 3.5 5.3

164 9.8 8.2 12.4



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



#49

Acenaphthene

Concen: 1.059 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

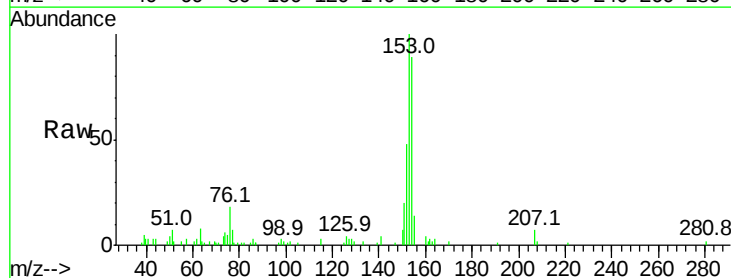
Tgt Ion:153 Resp: 39284

Ion Ratio Lower Upper

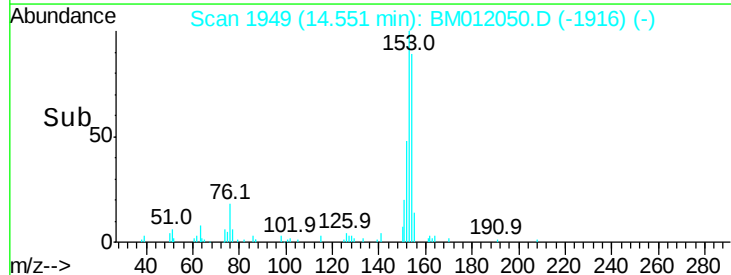
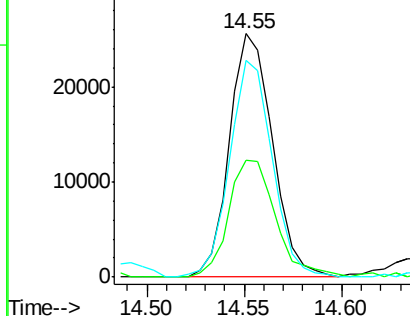
153 100

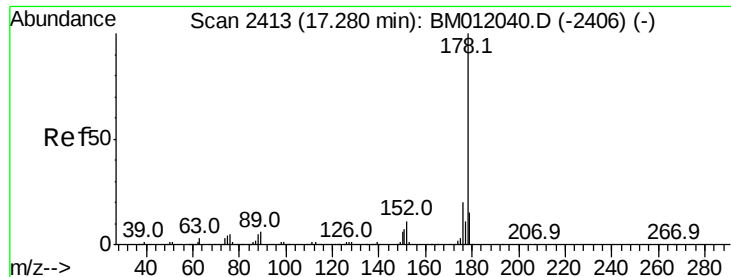
152 48.0 37.6 56.4

154 89.1 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





#69

Phenanthrene

Concen: 12.086 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

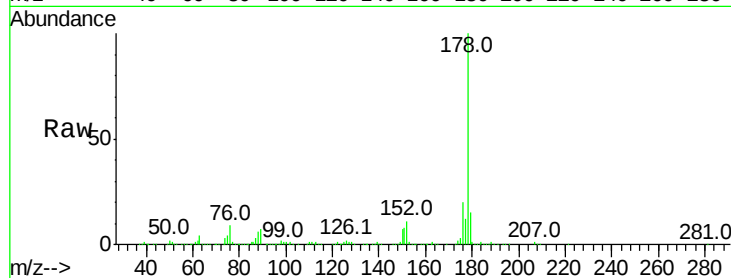
Tot Ion:178 Resp: 848886

Ion Ratio Lower Upper

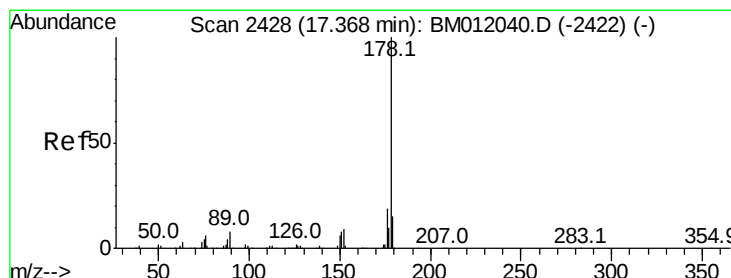
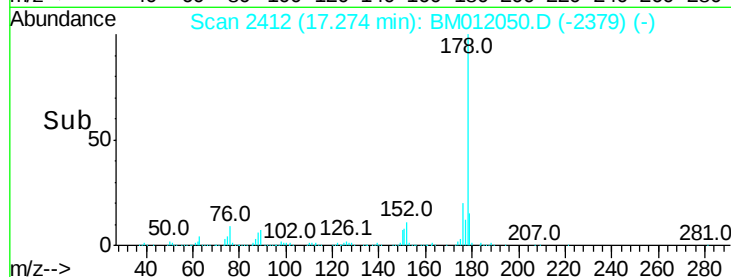
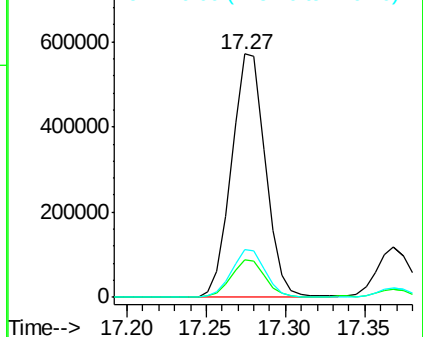
178 100

179 15.3 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: 2.419 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

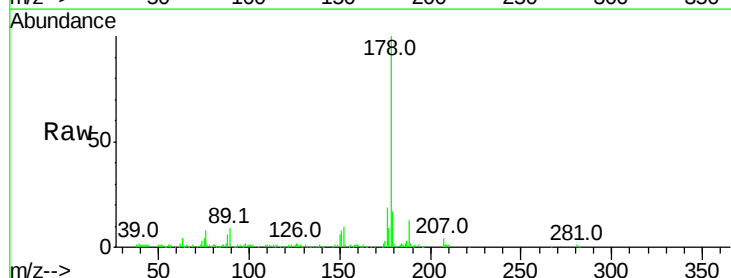
Tgt Ion:178 Resp: 172859

Ion Ratio Lower Upper

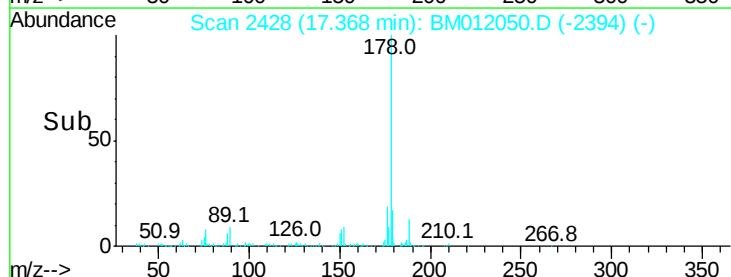
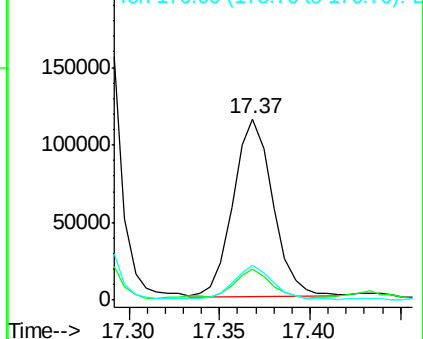
178 100

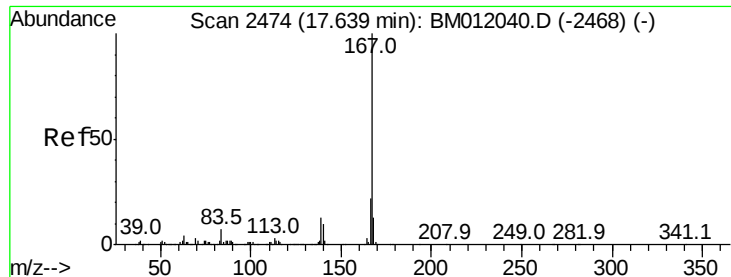
179 17.3 11.7 17.5

176 19.1 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

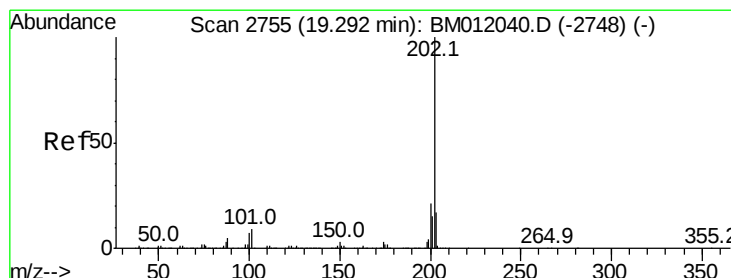
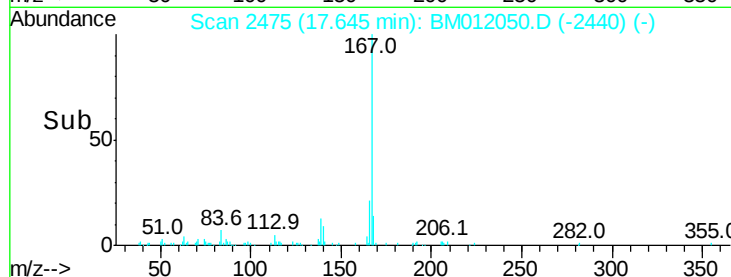
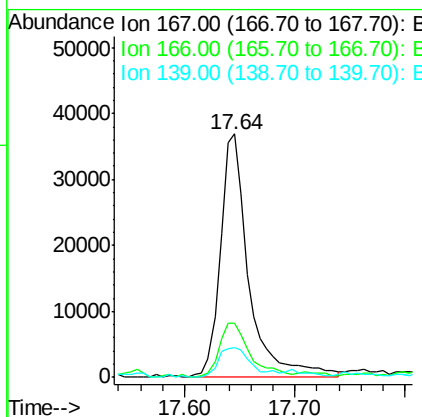
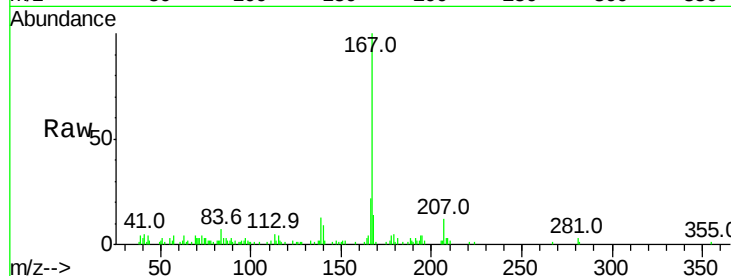




#72
 Carbazole
 Concen: 1.075 ng/ul
 RT: 17.64 min Scan# 2475
 Delta R.T. 0.01 min
 Lab File: BM012050.D
 Acq: 10 Oct 2017 19:57

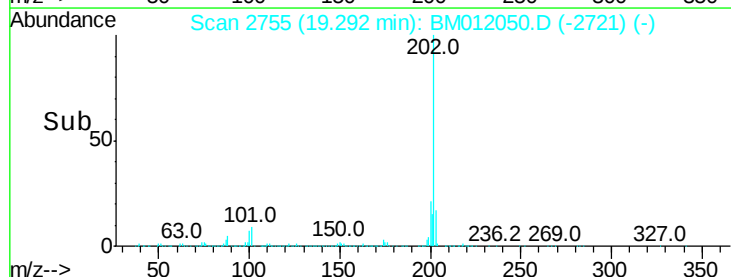
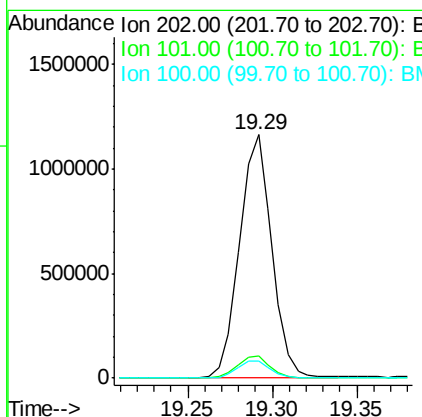
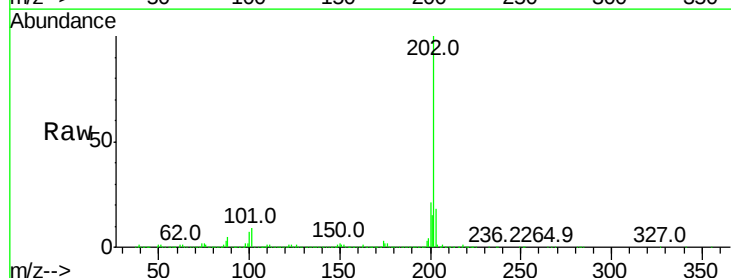
Instrument :
 BNA_M
 ClientSampleId :

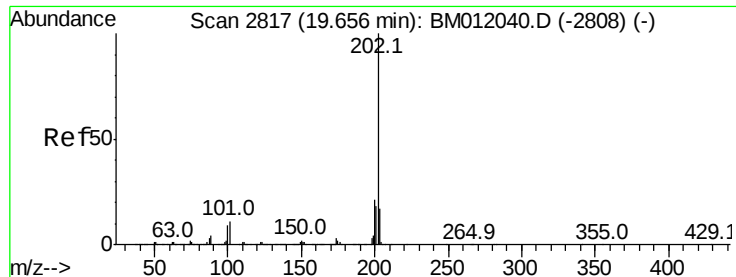
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	12.5	10.0	15.0



#74
 Fluoranthene
 Concen: 18.112 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM012050.D
 Acq: 10 Oct 2017 19:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	4.6	7.0#
100	7.1	3.4	5.2#





#77

Pvrene

Concen: 14.811 ng/ul

RT: 19.65 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

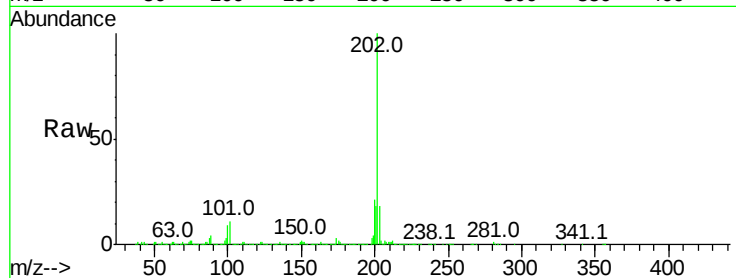
Tot Ion:202 Resp: 1339364

Ion Ratio Lower Upper

202 100

101 11.0 5.1 7.7#

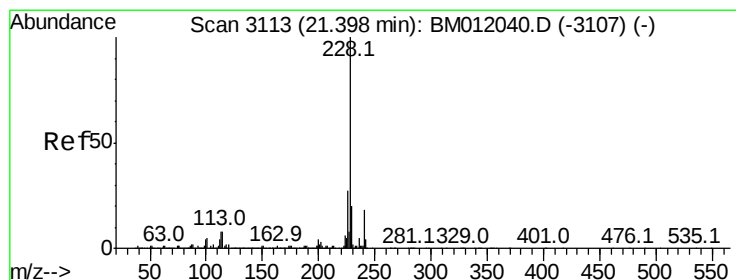
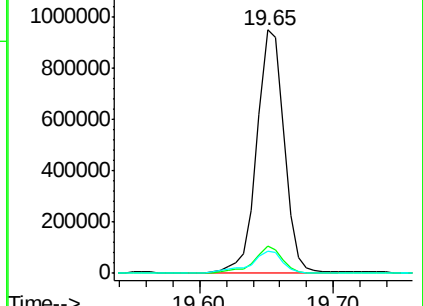
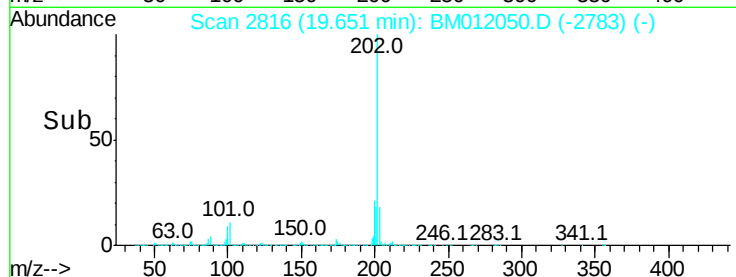
100 9.2 4.9 7.3#



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: 9.210 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

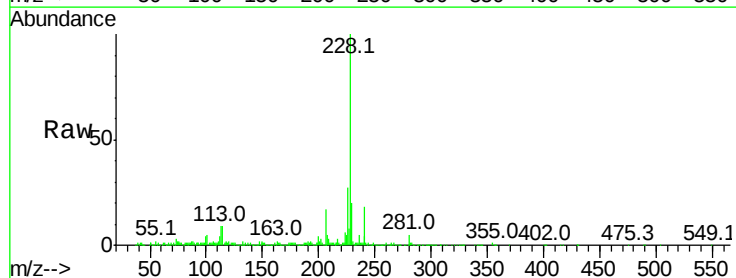
Tgt Ion:228 Resp: 860491

Ion Ratio Lower Upper

228 100

229 20.0 15.4 23.0

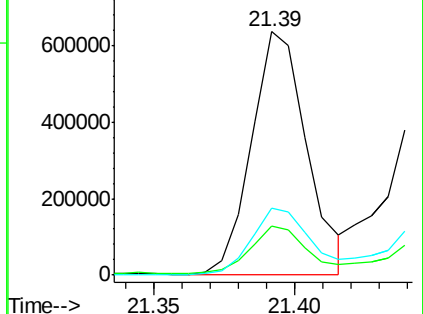
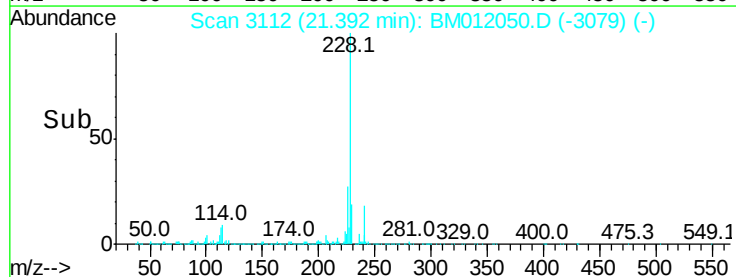
226 27.4 21.4 32.0

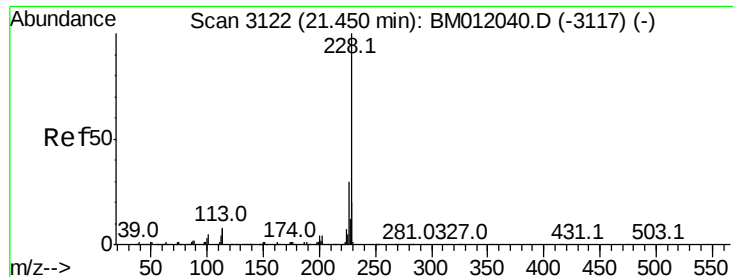


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 9.126 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

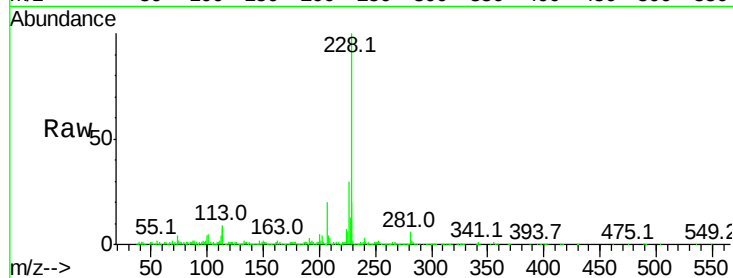
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 810147

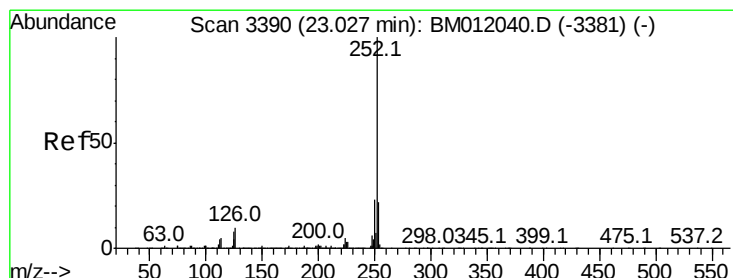
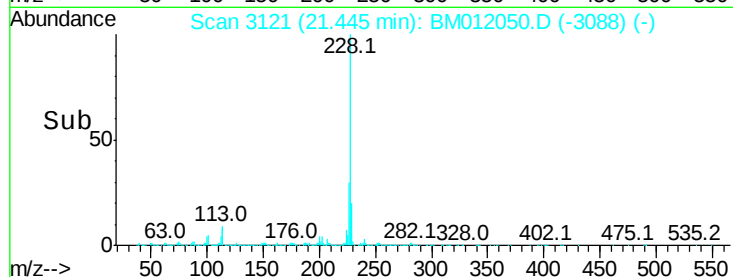
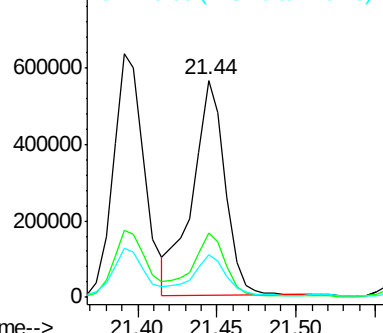
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	19.9	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 11.168 ng/ul

RT: 23.03 min Scan# 3390

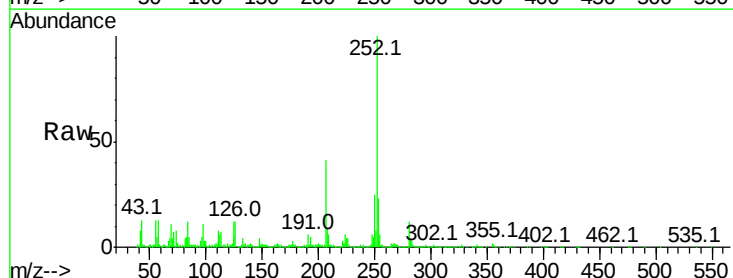
Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Tgt Ion:252 Resp: 1080785

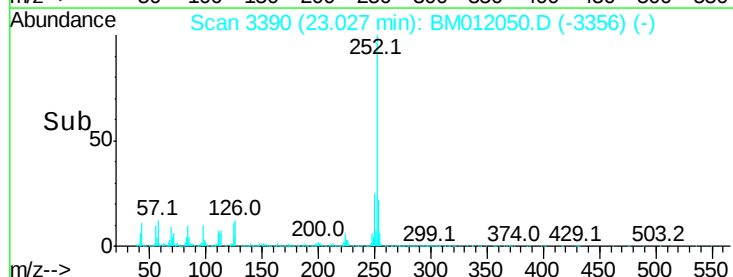
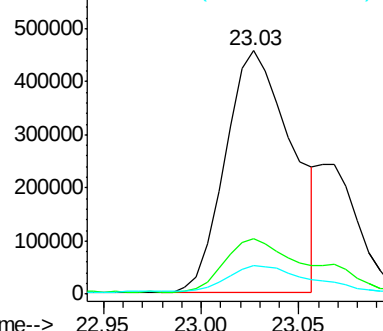
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.7	3.6	5.4

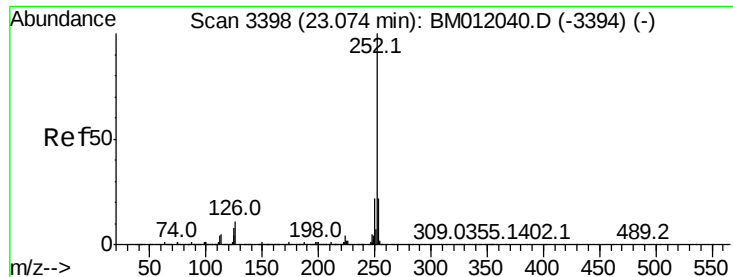


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 11.186 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

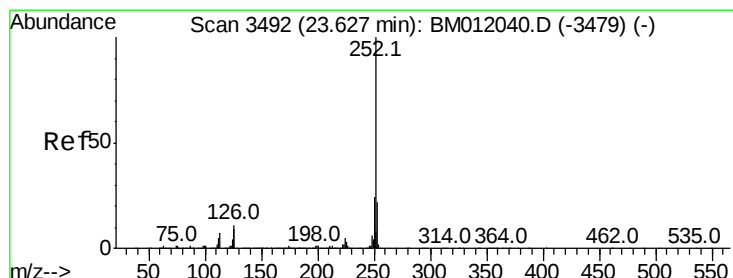
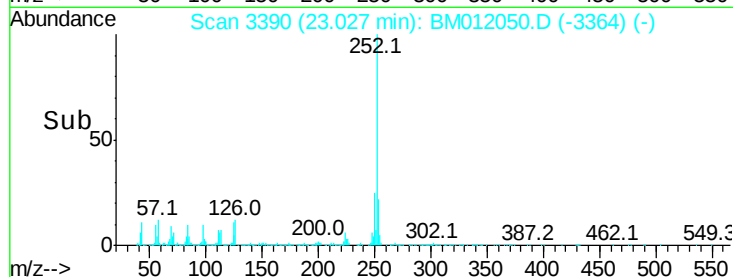
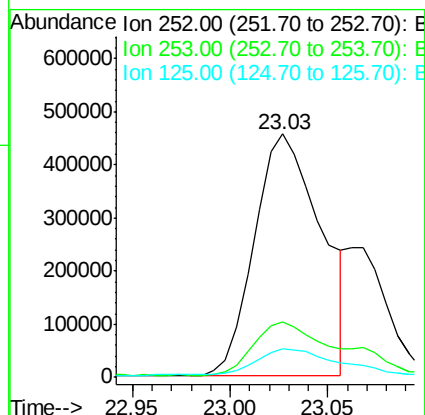
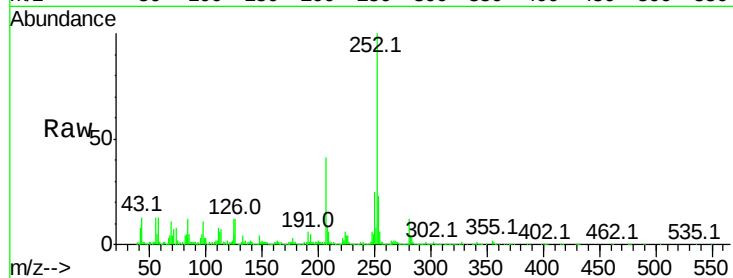
Tot Ion:252 Resp: 1080785

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.7 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 6.945 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

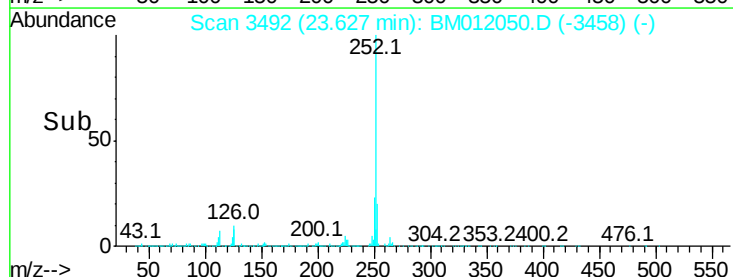
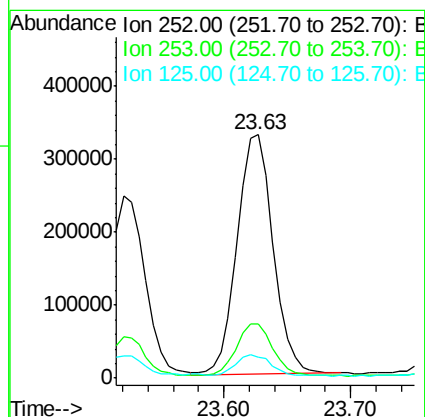
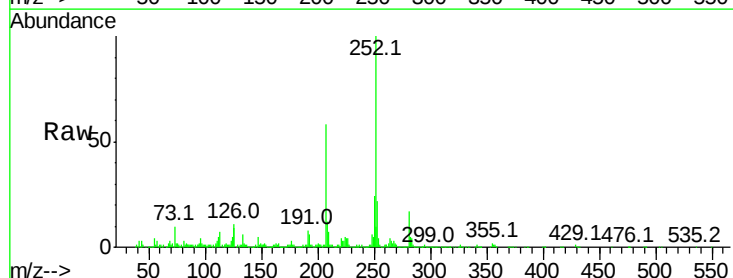
Tgt Ion:252 Resp: 645832

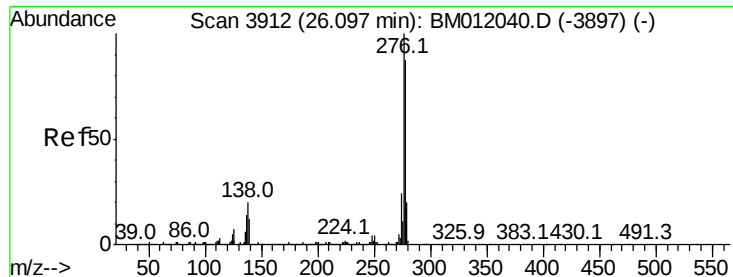
Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 8.7 4.0 6.0#



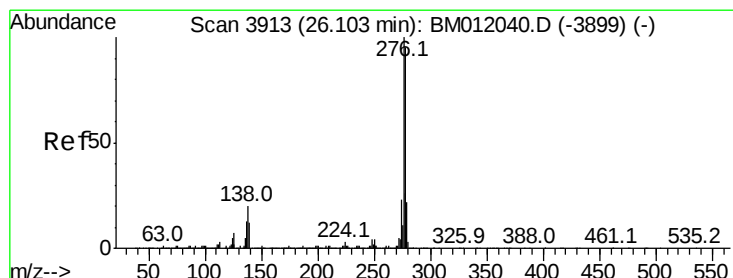
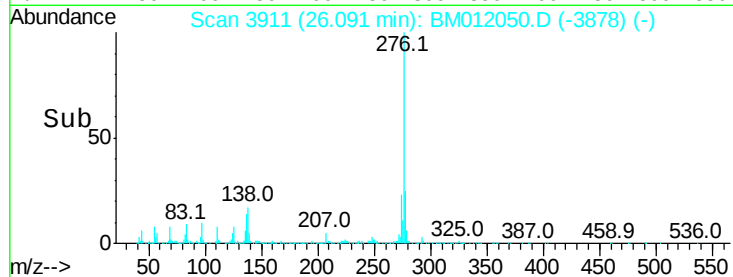
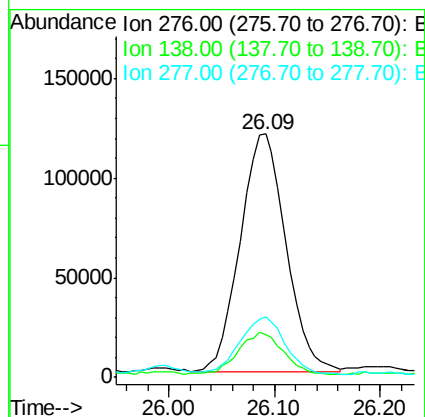
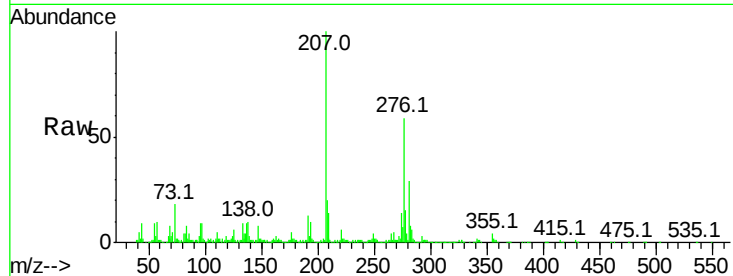


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.633 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012050.D
Acq: 10 Oct 2017 19:57

Instrument :
BNA_M
ClientSampleId :

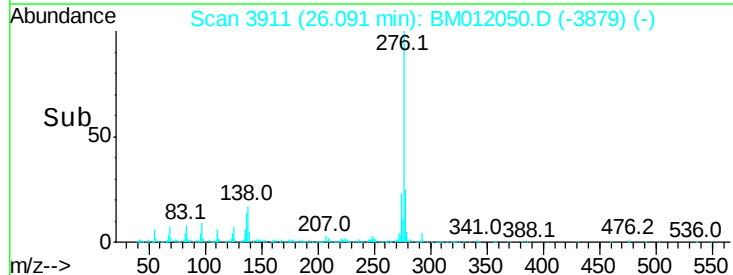
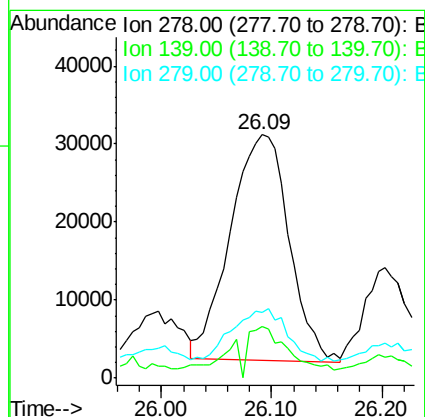
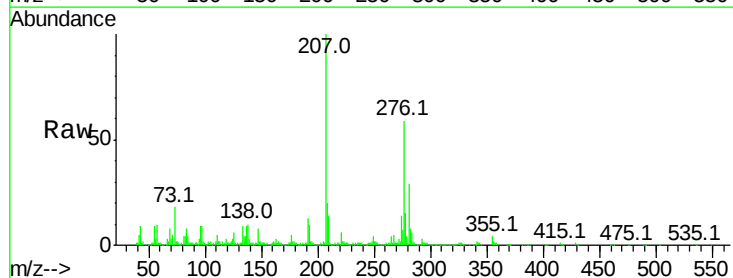
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	9.3	13.9#
277	24.8	19.9	29.9

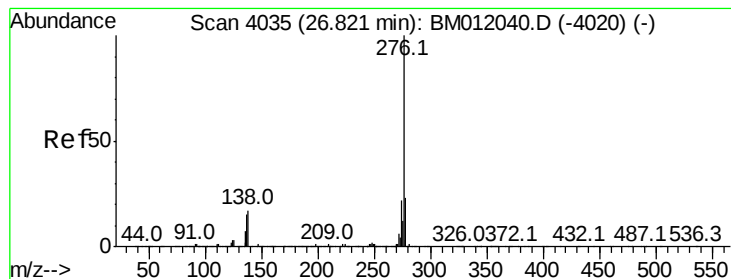


#90

Dibenzo(a,h)anthracene
Concen: 1.317 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012050.D
Acq: 10 Oct 2017 19:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	5.8	8.8#
279	27.2	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 3.595 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. 0.00 min

Lab File: BM012050.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 295883

Ion Ratio Lower Upper

276 100

138 15.5 8.5 12.7#

277 23.2 18.6 28.0

