

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012068.D
 Acq On : 11 Oct 2017 06:53
 Operator : SJ/JU
 Sample : I5668-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 08:59:23 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 02:39:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	290188	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1251773	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	764525	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1857420	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	2310610	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1959882	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	11700	1.91	ng/uL	0.00
5) Phenol-d5	7.00	99	369425	14.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	396643	26.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	358508	17.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	372775	17.27	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	263039	29.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	63206	6.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	284875	14.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	16802	0.76	ng/ul	0.01
43) Dimethylphthalate-d6	13.89	166	515528	7.78	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	2467501	31.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	1165	0.10	ng/ul	0.05
57) Fluorene-d10	15.48	176	1774811	30.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	3890	0.31	ng/ul	0.01
70) Anthracene-d10	17.33	188	2879839	31.46	ng/ul	0.00
76) Pyrene-d10	19.63	212	3727861	35.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	3051018	32.36	ng/ul	0.00

Target Compounds

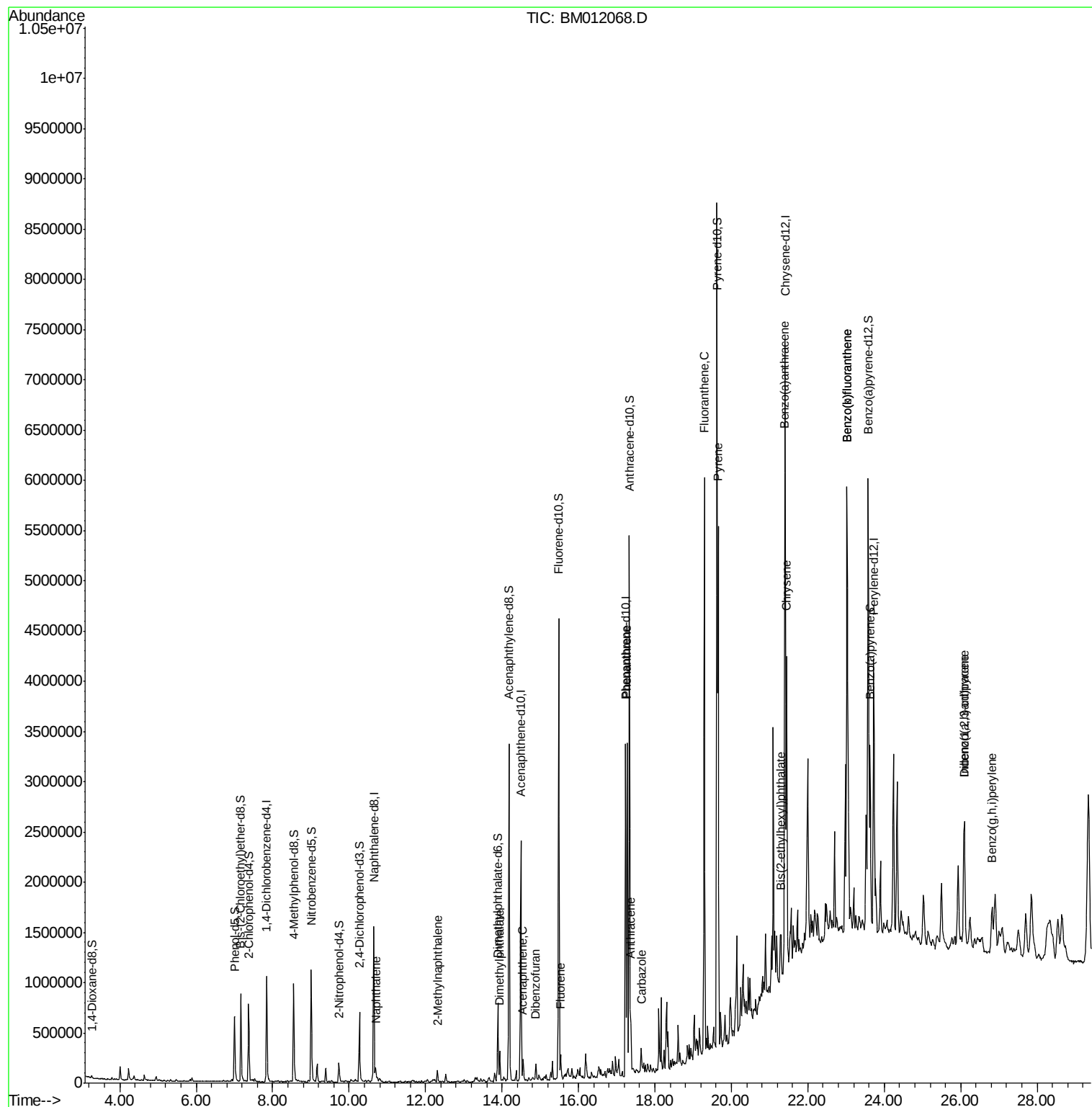
					Ovalue	
28) Naphthalene	10.69	128	100684	1.603	ng/ul	99
34) 2-Methylnaphthalene	12.31	142	58849	1.229	ng/ul	90
44) Dimethylphthalate	13.94	163	195745	3.071	ng/ul#	99
49) Acenaphthene	14.55	153	84600	1.619	ng/ul	98
53) Dibenzofuran	14.89	168	83577	1.102	ng/ul	96
58) Fluorene	15.54	166	96262	1.520	ng/ul	98
69) Phenanthrene	17.28	178	1963094	19.214	ng/ul	99
71) Anthracene	17.37	178	388344	3.736	ng/ul	98
72) Carbazole	17.64	167	148880	1.653	ng/ul	97
74) Fluoranthene	19.29	202	3404092	27.307	ng/ul#	90
77) Pyrene	19.66	202	3086446	24.091	ng/ul#	89
80) Benzo(a)anthracene	21.39	228	1753751	13.249	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.30	149	139530	1.869	ng/ul#	98
82) Chrysene	21.44	228	1657383	13.178	ng/ul	98
85) Benzo(b)fluoranthene	23.03	252	1964085	16.487	ng/ul#	95
86) Benzo(k)fluoranthene	23.03	252	1964085	16.514	ng/ul#	94
88) Benzo(a)pyrene	23.63	252	1225708	10.708	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	725710	5.924	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	199113	1.978	ng/ul#	84
91) Benzo(g,h,i)perylene	26.81	276	591018	5.833	ng/ul#	92

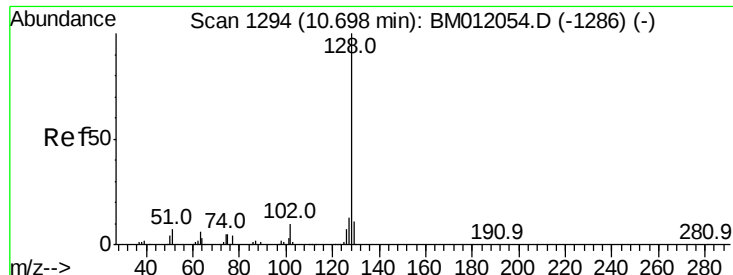
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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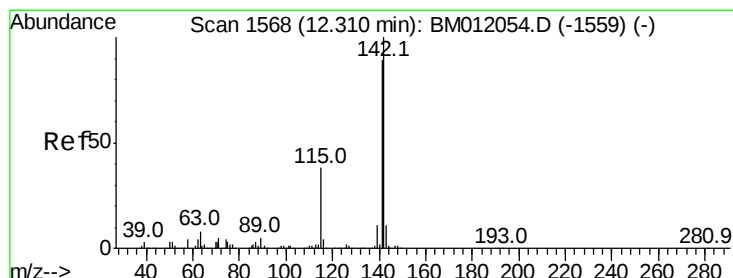
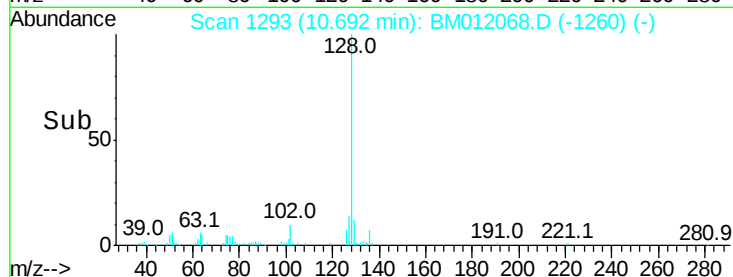
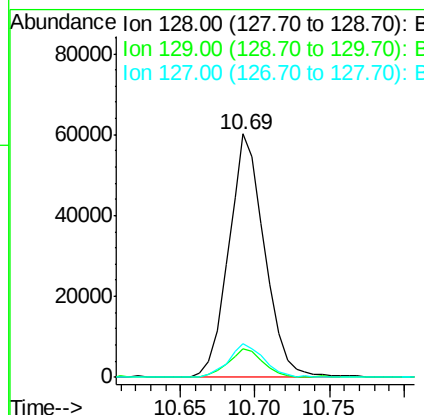
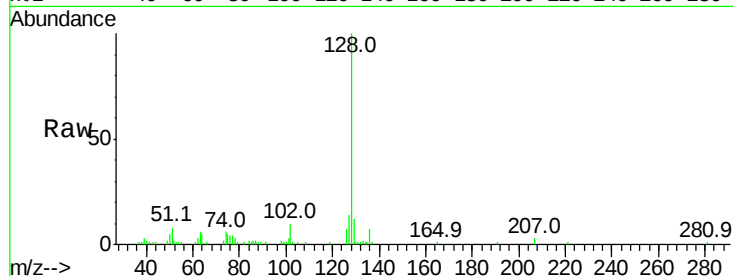




#28
Naphthalene
Concen: 1.603 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

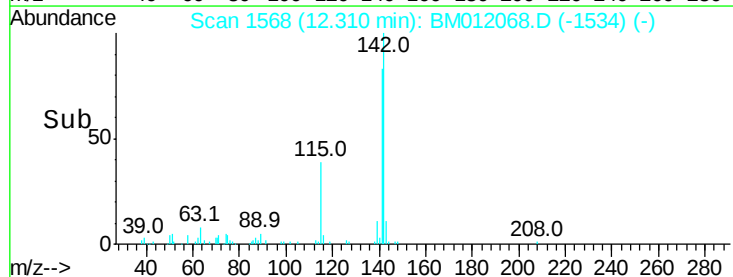
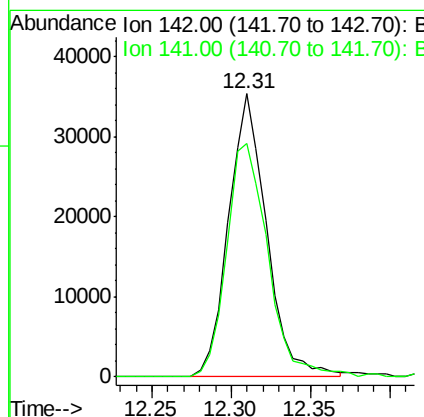
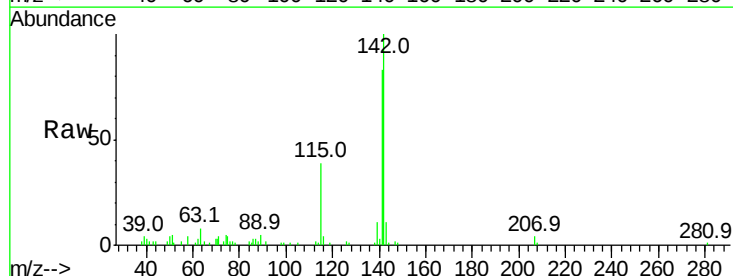
Instrument :
BNA_M
ClientSampleId :

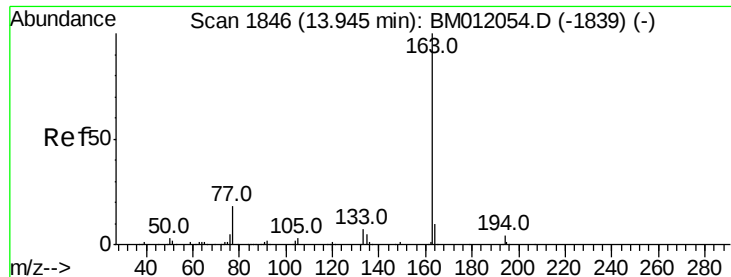
Tot Ion:128 Resp: 100684
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.7 10.6 16.0



#34
2-Methylnaphthalene
Concen: 1.229 ng/ul
RT: 12.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

Tgt Ion:142 Resp: 58849
Ion Ratio Lower Upper
142 100
141 82.6 74.1 111.1





#44

Dimethylphthalate

Concen: 3.071 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

ClientSampleId :

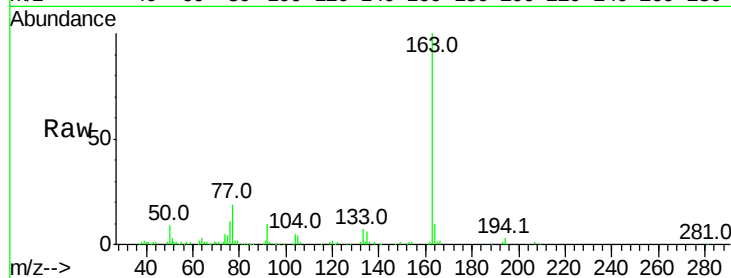
Tot Ion:163 Resp: 195745

Ion Ratio Lower Upper

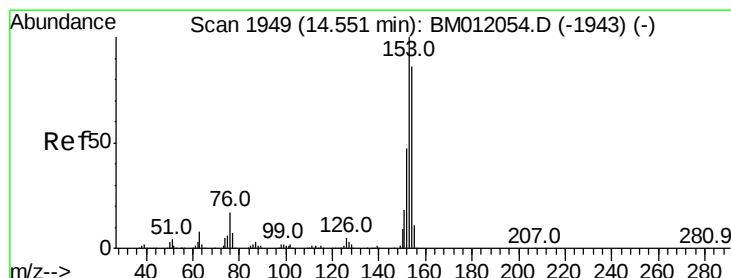
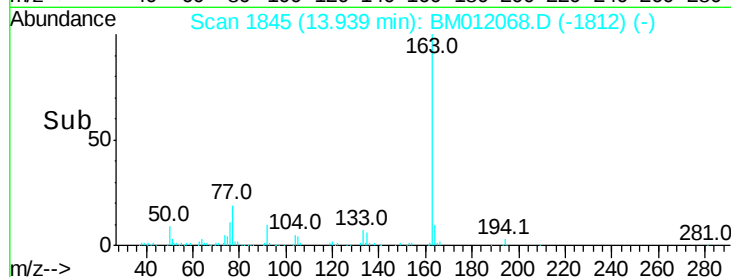
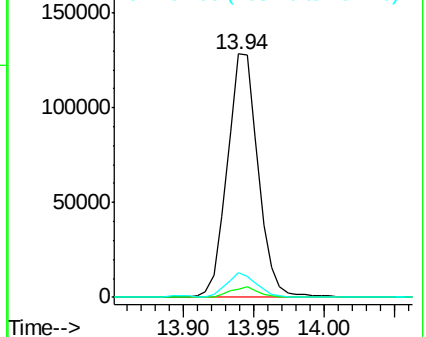
163 100

194 3.2 3.5 5.3#

164 10.3 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: 1.619 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

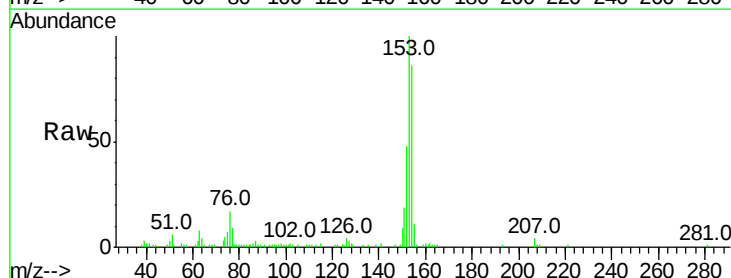
Tgt Ion:153 Resp: 84600

Ion Ratio Lower Upper

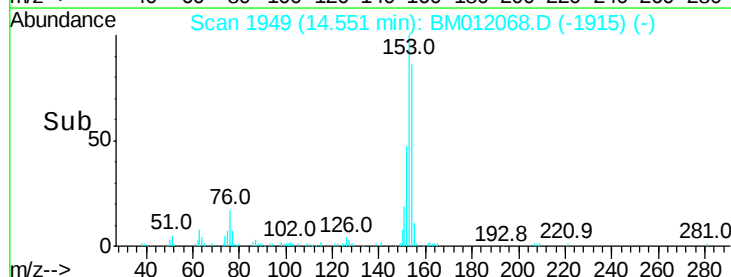
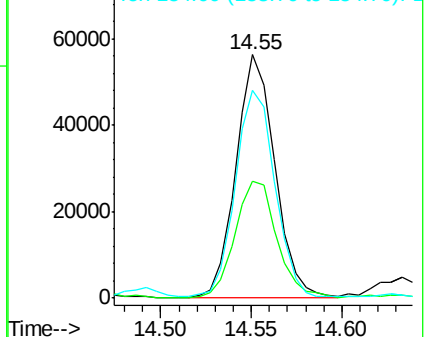
153 100

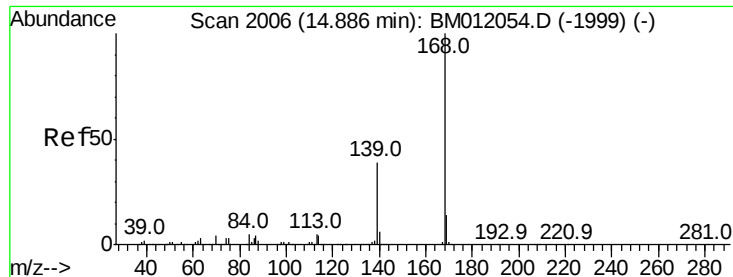
152 48.0 37.6 56.4

154 85.5 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

Dibenzenofuran

Concen: 1.102 ng/ul

RT: 14.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

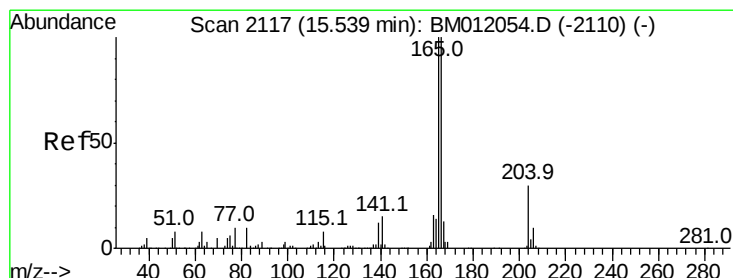
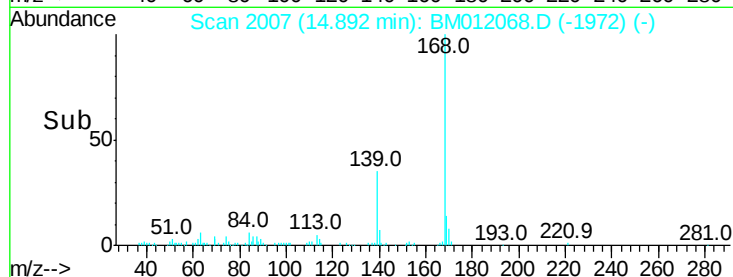
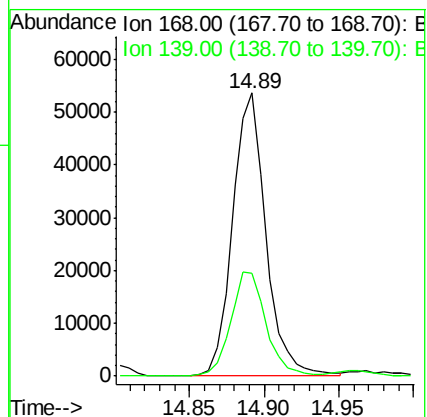
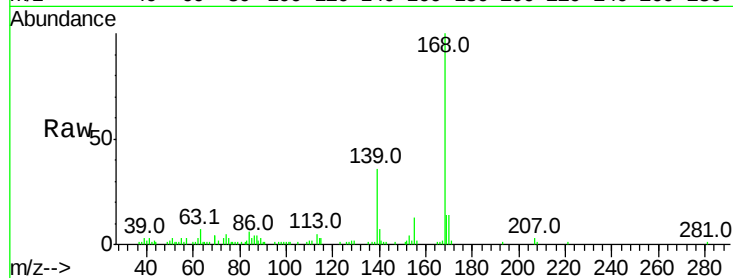
ClientSampleId :

Tot Ion:168 Resp: 83577

Ion Ratio Lower Upper

168 100

139 36.3 30.8 46.2



#58

Fluorene

Concen: 1.520 ng/ul

RT: 15.54 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

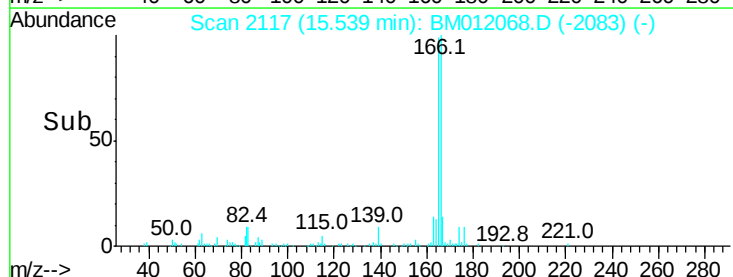
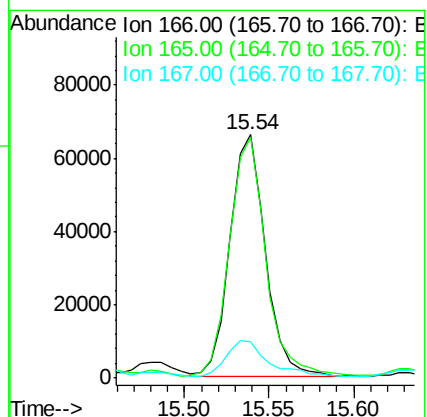
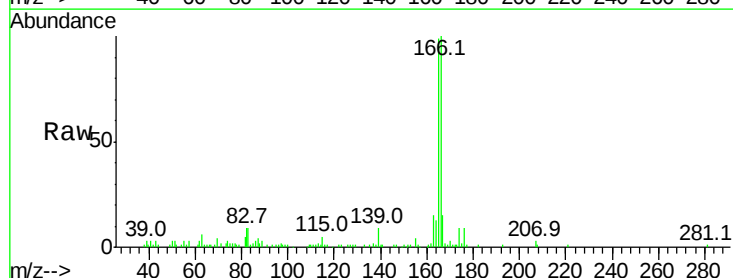
Tgt Ion:166 Resp: 96262

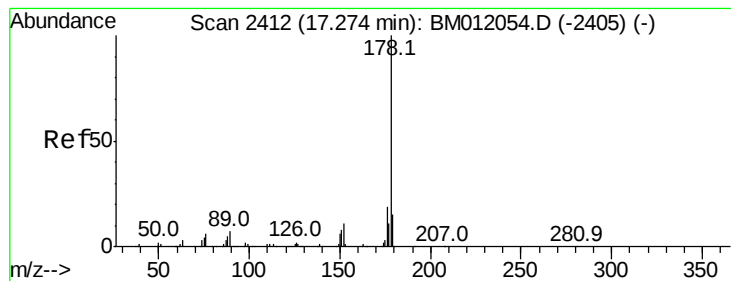
Ion Ratio Lower Upper

166 100

165 99.2 77.9 116.9

167 15.0 10.6 16.0





#69

Phenanthrene

Concen: 19.214 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

ClientSampleId :

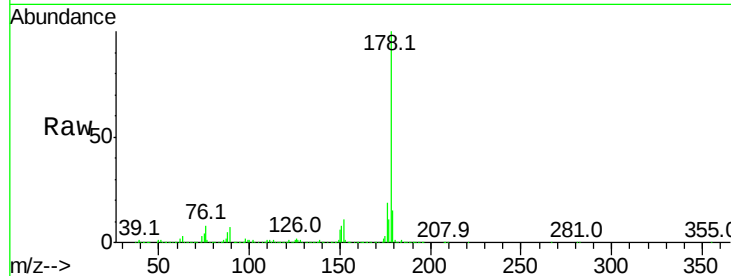
Tot Ion:178 Resp: 1963094

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.1	14.9	22.3

178 100

179 15.2 12.6 19.0

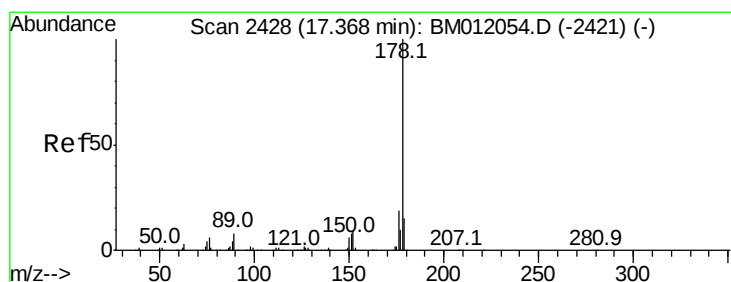
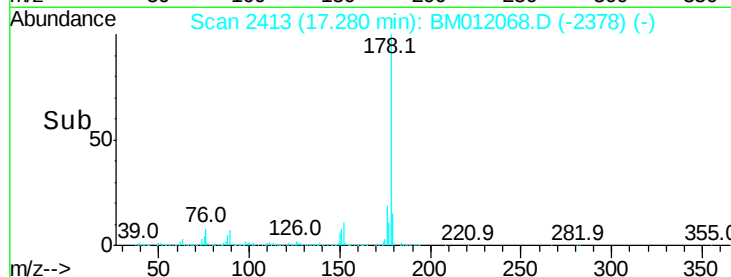
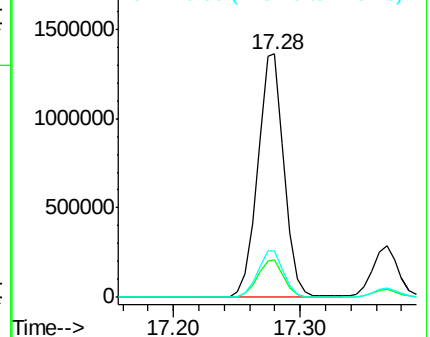
176 19.1 14.9 22.3



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: 3.736 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

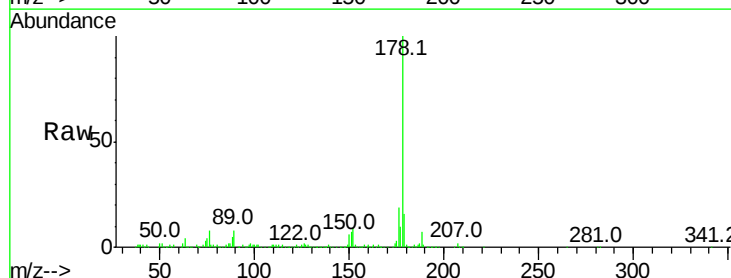
Tgt Ion:178 Resp: 388344

Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.7	17.5
176	18.5	14.6	21.8

178 100

179 16.2 11.7 17.5

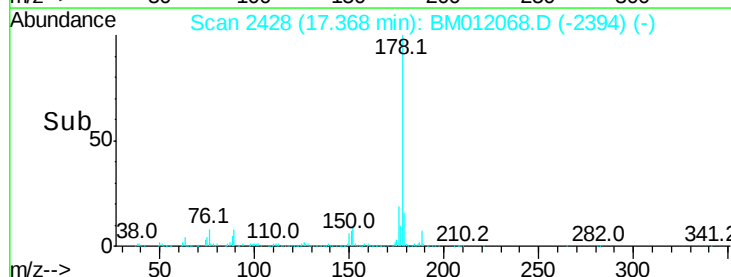
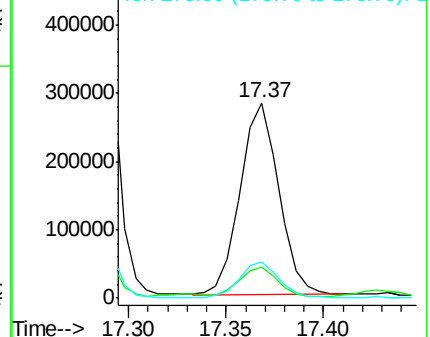
176 18.5 14.6 21.8

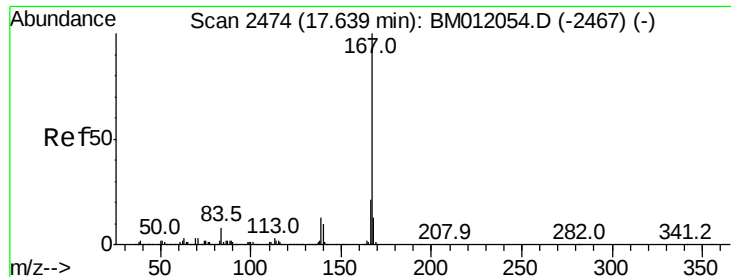


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.653 ng/ul

RT: 17.64 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

ClientSampleId :

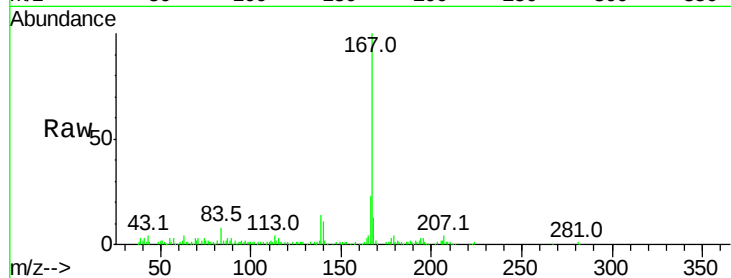
Tot Ion:167 Resp: 148880

Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

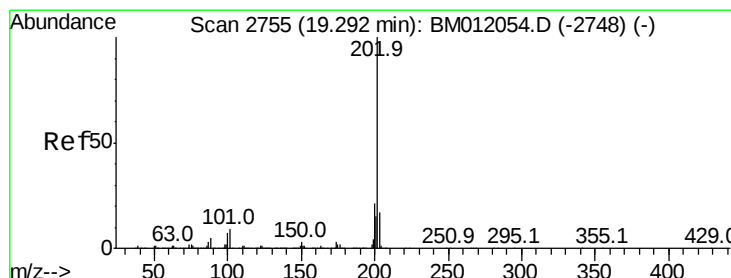
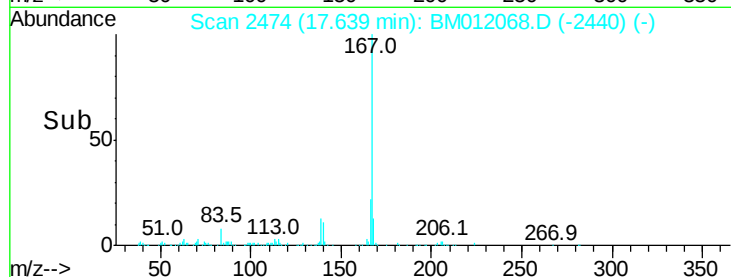
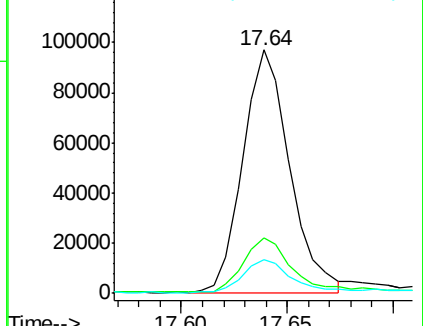
139 13.7 10.0 15.0



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: 27.307 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

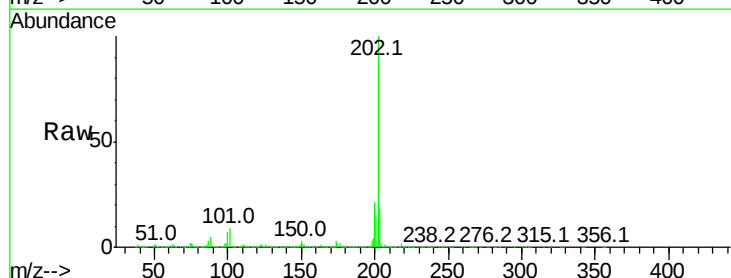
Tgt Ion:202 Resp: 3404092

Ion Ratio Lower Upper

202 100

101 9.3 4.6 7.0#

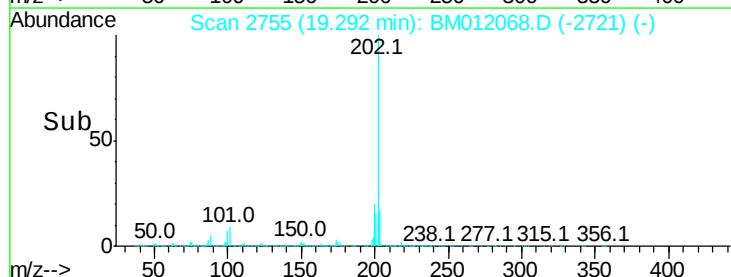
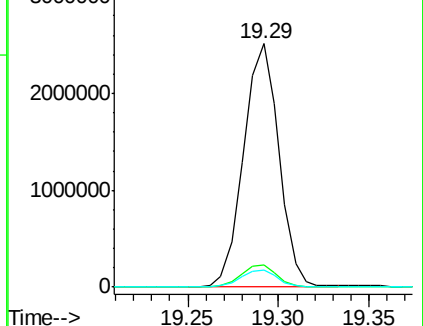
100 7.2 3.4 5.2#

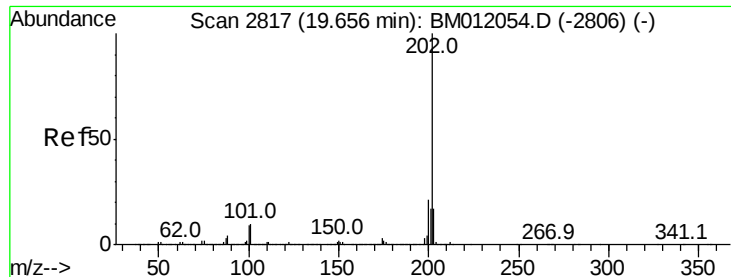


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 24.091 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

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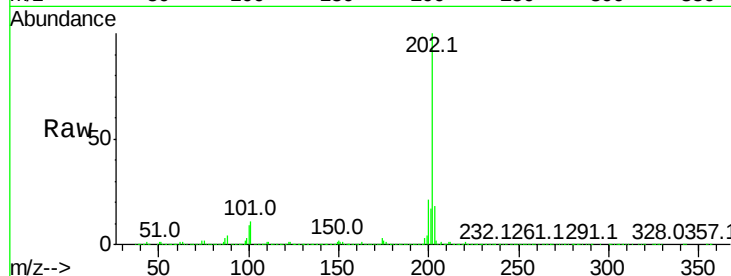
Tot Ion:202 Resp: 3086446

Ion Ratio Lower Upper

202 100

101 10.8 5.1 7.7#

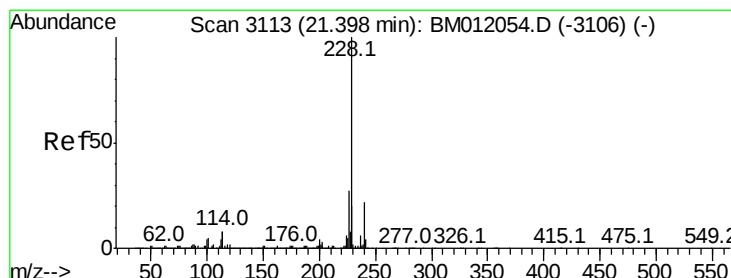
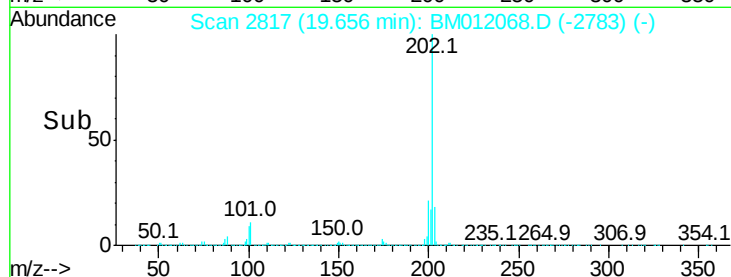
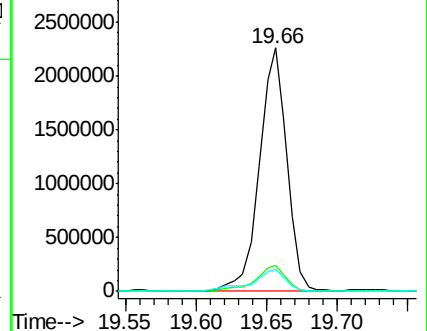
100 8.9 4.9 7.3#



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: 13.249 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

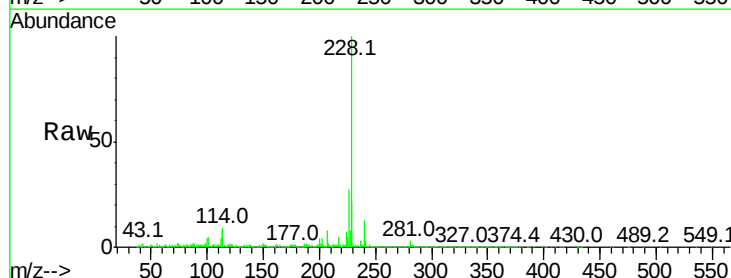
Tgt Ion:228 Resp: 1753751

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

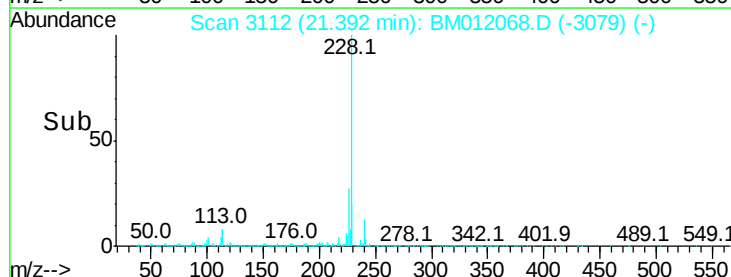
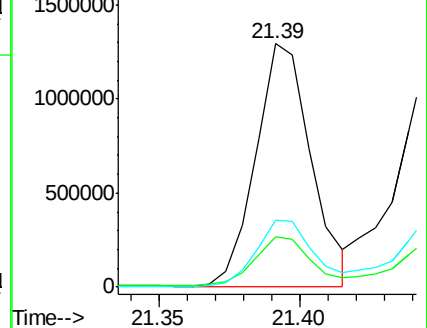
226 27.4 21.4 32.0

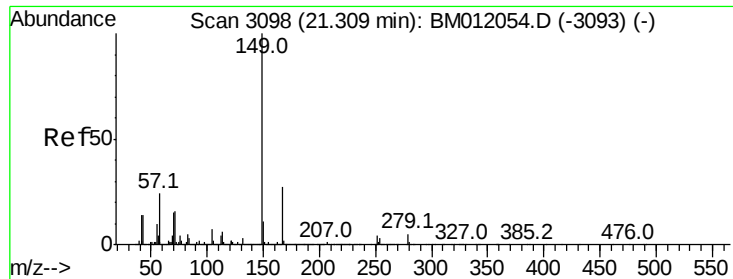


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.869 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

ClientSampleId :

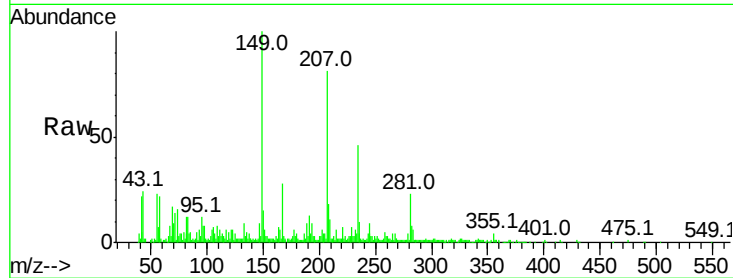
Tot Ion:149 Resp: 139530

Ion Ratio Lower Upper

149 100

167 27.9 22.8 34.2

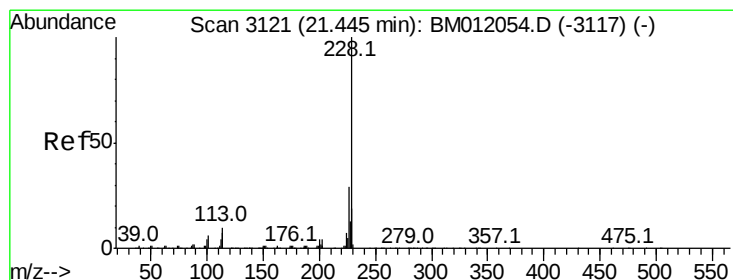
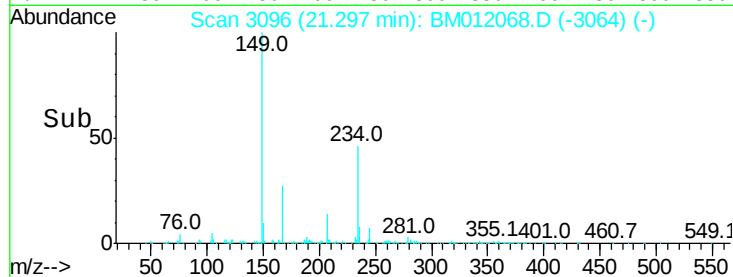
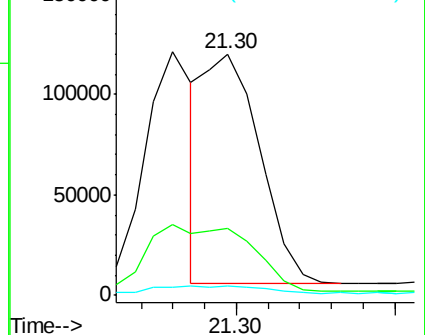
279 4.0 4.9 7.3#



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



#82

Chrysene

Concen: 13.178 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

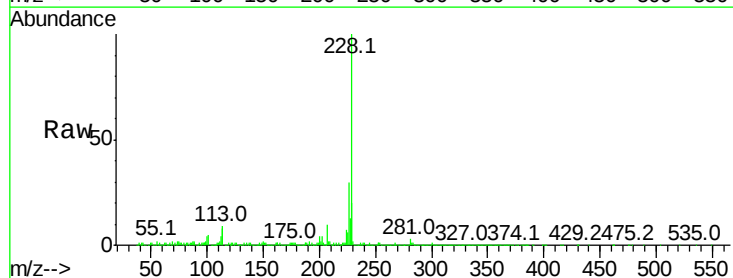
Tgt Ion:228 Resp: 1657383

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

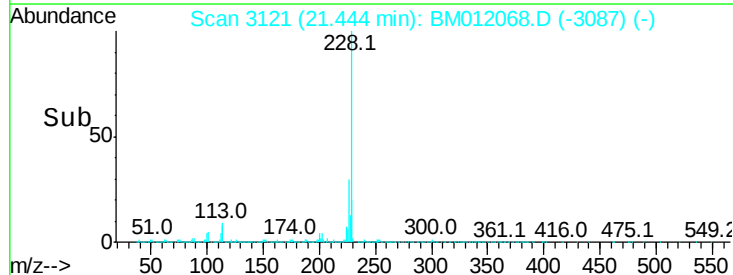
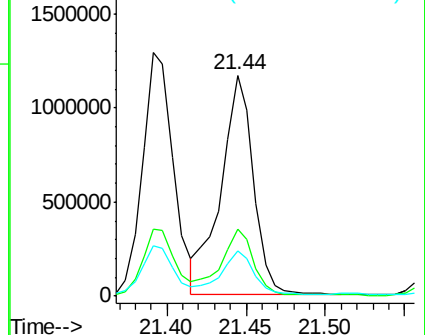
229 20.5 15.5 23.3

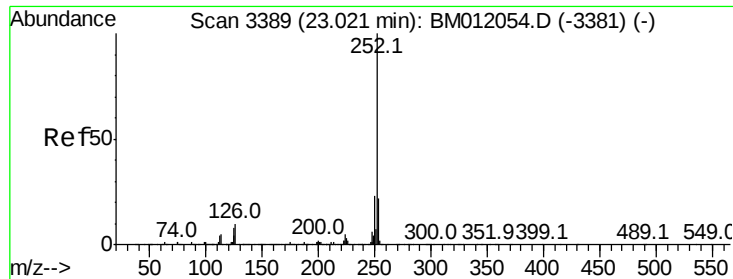


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

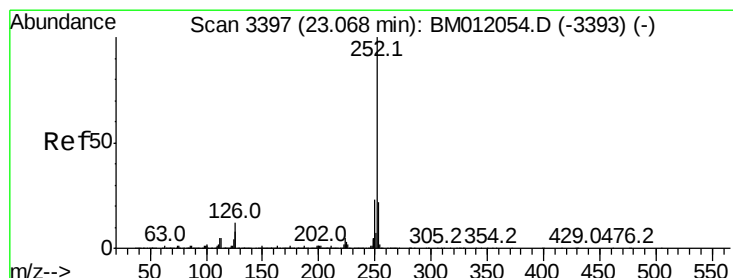
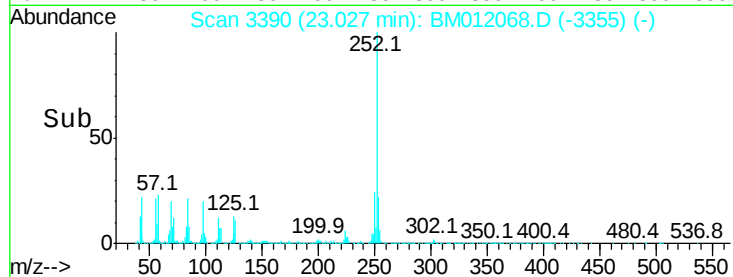
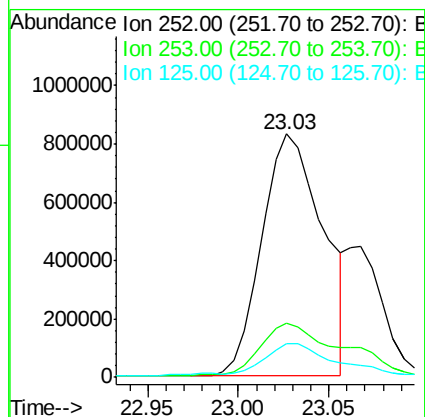
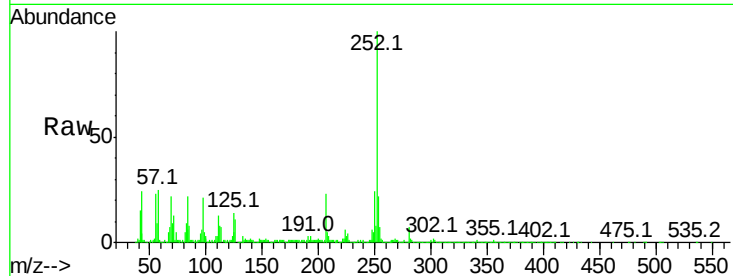




#85
Benzo(b)fluoranthene
Concen: 16.487 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

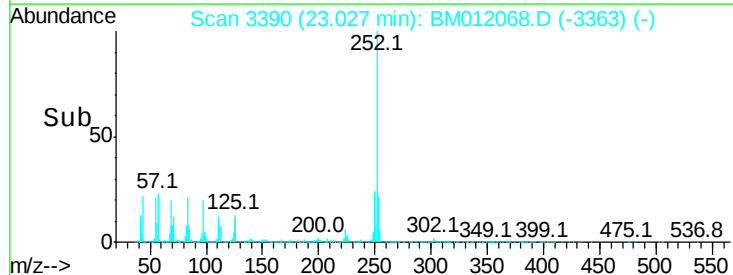
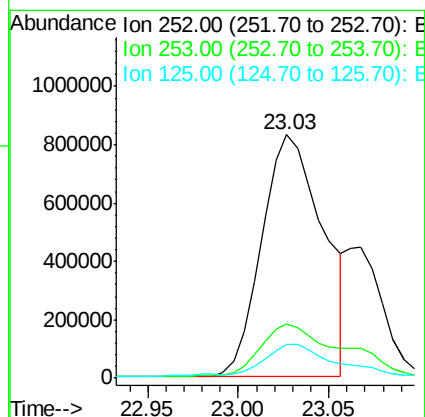
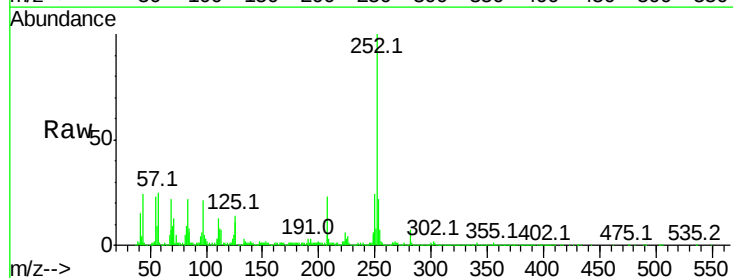
Instrument :
BNA_M
ClientSampleId :

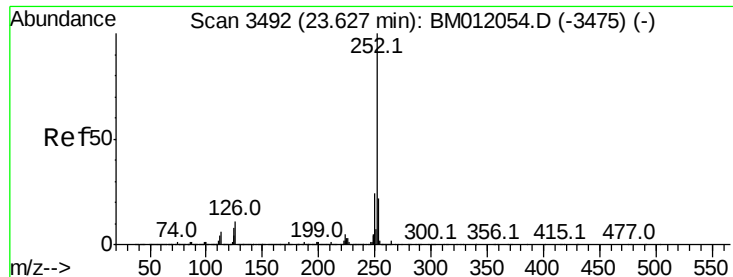
Tot Ion:252 Resp: 1964085
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.7 3.6 5.4#



#86
Benzo(k)fluoranthene
Concen: 16.514 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

Tgt Ion:252 Resp: 1964085
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 13.7 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 10.708 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

Instrument :

BNA_M

ClientSampleId :

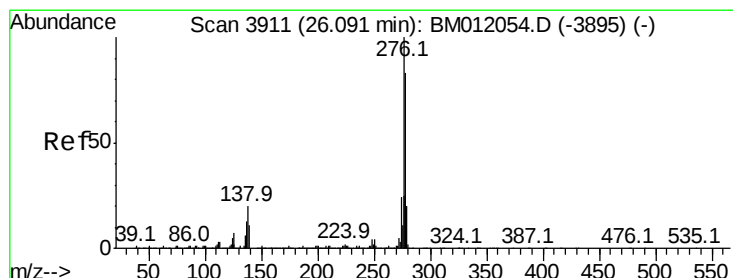
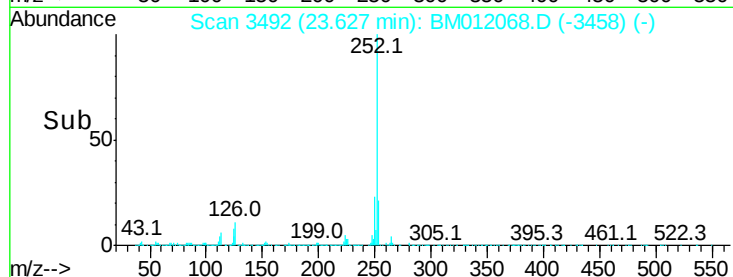
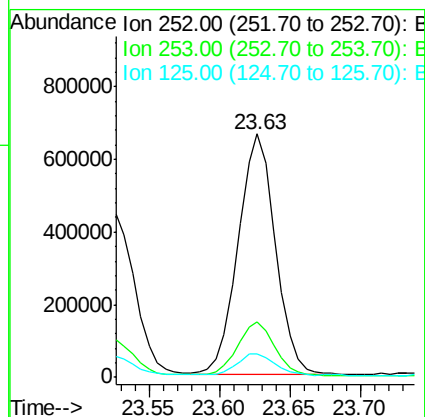
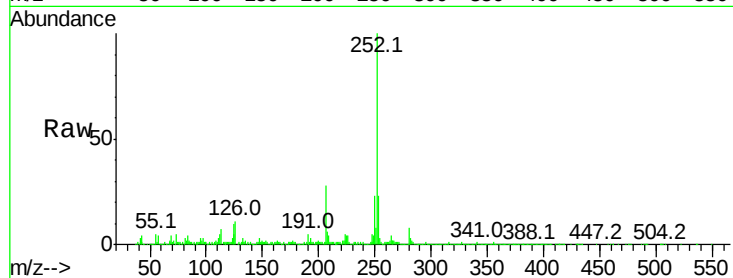
Tot Ion:252 Resp: 1225708

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 9.5 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.924 ng/ul

RT: 26.09 min Scan# 3911

Delta R.T. -0.00 min

Lab File: BM012068.D

Acq: 11 Oct 2017 06:53

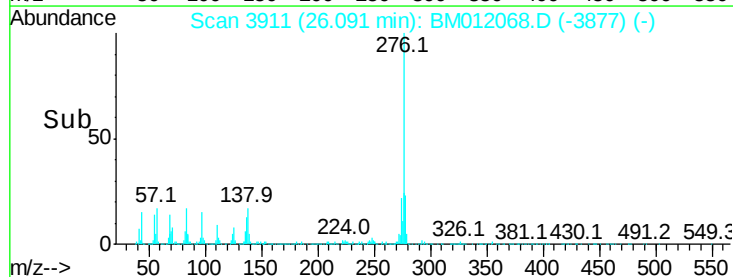
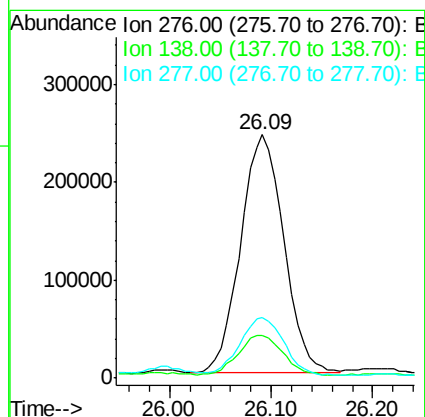
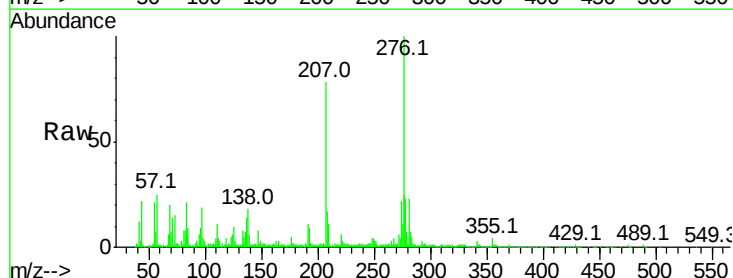
Tgt Ion:276 Resp: 725710

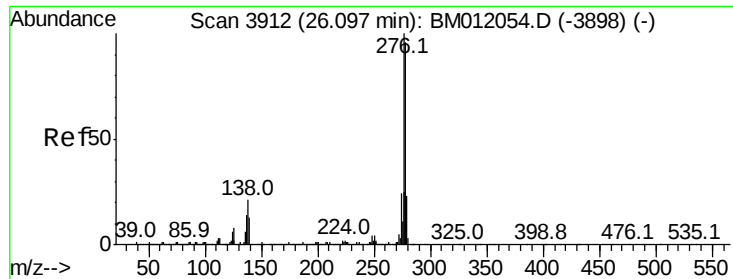
Ion Ratio Lower Upper

276 100

138 17.6 9.3 13.9#

277 25.0 19.9 29.9

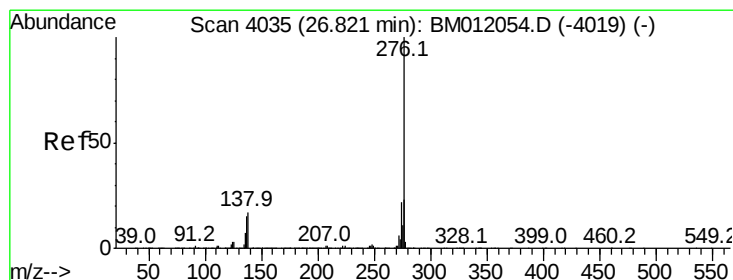
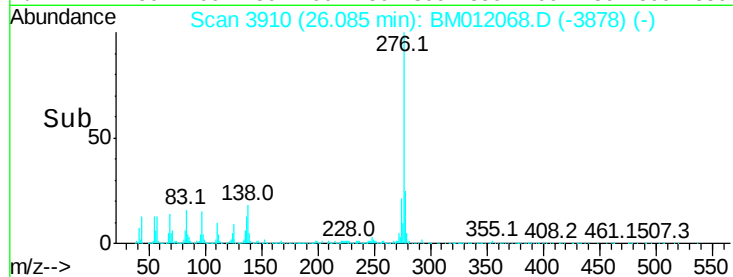
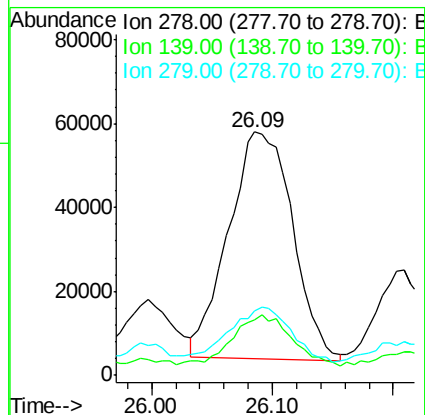
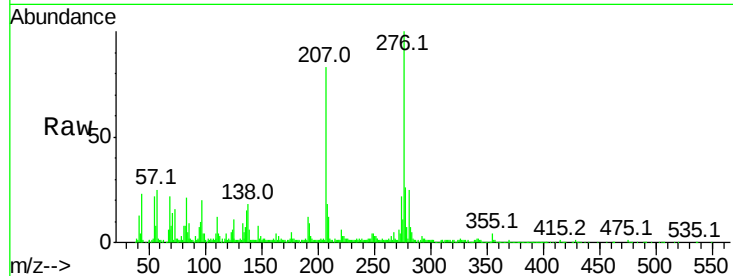




#90
Dibenzo(a,h)anthracene
Concen: 1.978 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 199113
Ion Ratio Lower Upper
278 100
139 23.0 5.8 8.8#
279 26.7 18.6 27.8



#91
Benzo(g,h,i)perylene
Concen: 5.833 ng/ul
RT: 26.81 min Scan# 4034
Delta R.T. -0.01 min
Lab File: BM012068.D
Acq: 11 Oct 2017 06:53

Tgt Ion:276 Resp: 591018
Ion Ratio Lower Upper
276 100
138 19.5 8.5 12.7#
277 23.6 18.6 28.0

