

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011672.D
 Acq On : 22 Sep 2017 02:18
 Operator : SJ/JU
 Sample : I5283-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:44:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 08:34:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	465942	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	2099854	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1159739	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2453347	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1923323	20.00	ng/ul	0.00
86) Perylene-d12	23.86	264	1576100	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	45288	4.37	ng/uL	0.00
5) Phenol-d5	7.11	99	1114006	24.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	883354	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	905865	26.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	563145	16.12	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	473433	29.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	518131	31.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	875461	26.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	103632	2.81	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2927205	29.86	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3550542	29.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	264630	14.36	ng/ul	0.00
58) Fluorene-d10	15.58	176	2512294	29.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	325744	22.82	ng/ul	0.00
71) Anthracene-d10	17.43	188	3661849	30.31	ng/ul	0.00
79) Pyrene-d10	19.72	212	3890351	43.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	2336987	31.11	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.14	94	59406	1.338	ng/ul# 85
28) Naphthalene	10.82	128	185232	1.701	ng/ul 97
34) 2-Methylnaphthalene	12.42	142	87699	1.085	ng/ul 99
45) Dimethylphthalate	14.04	163	710510	7.569	ng/ul# 99
50) Acenaphthene	14.66	153	183827	2.280	ng/ul 100
54) Dibenzofuran	14.99	168	167801	1.488	ng/ul 100
59) Fluorene	15.63	166	198711	2.102	ng/ul 99
70) Phenanthrene	17.37	178	3166518	23.156	ng/ul 99
72) Anthracene	17.47	178	636981	4.539	ng/ul 98
75) Carbazole	17.73	167	297640	2.486	ng/ul 97
77) Fluoranthene	19.38	202	4953849	35.220	ng/ul# 91
80) Pyrene	19.74	202	4276149	38.107	ng/ul# 88
83) Benzo(a)anthracene	21.48	228	1921650	18.146	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.39	149	152353	1.922	ng/ul# 95
85) Chrysene	21.53	228	1790959	18.655	ng/ul 97
88) Benzo(b)fluoranthene	23.14	252	2141433	22.585	ng/ul# 90
89) Benzo(k)fluoranthene	23.14	252	2141433	23.516	ng/ul# 90
91) Benzo(a)pyrene	23.76	252	1368533	15.291	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	26.29	276	913864	9.283	ng/ul# 91
93) Dibenz(a,h)anthracene	26.29	278	243272	2.914	ng/ul# 90
94) Benzo(a,h,i)perylene	27.04	276	876349	10.992	ng/ul# 93

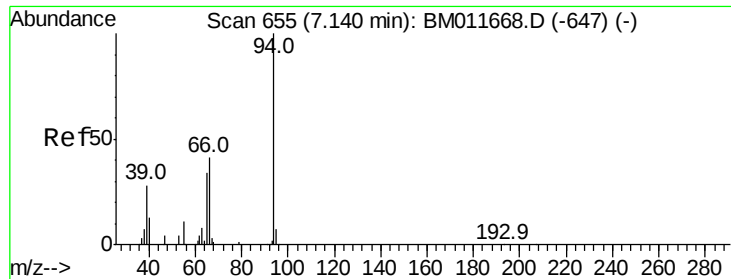
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 08:34:40 2017
Response via : Initial Calibration

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

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



#6

Phenol

Concen: 1.338 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

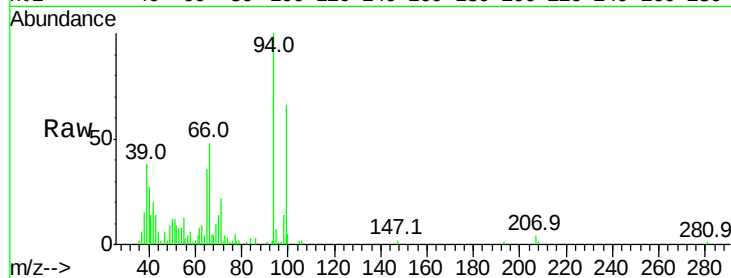
Tot Ion: 94 Resp: 59406

Ion Ratio Lower Upper

94 100

65 36.4 23.0 34.6#

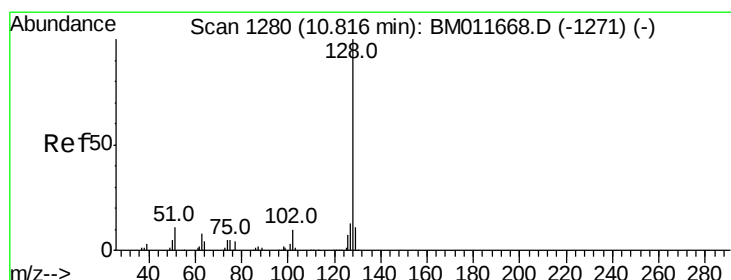
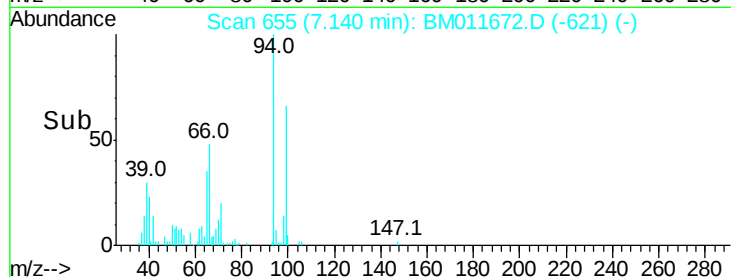
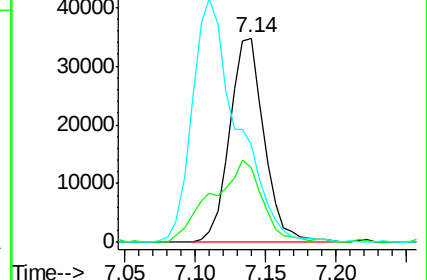
66 47.5 30.4 45.6#



Abundance Ion 94.00 (93.70 to 94.70): BM011668.D (-647) (-)

Ion 65.00 (64.70 to 65.70): BM011668.D (-647) (-)

Ion 66.00 (65.70 to 66.70): BM011668.D (-647) (-)



#28

Naphthalene

Concen: 1.701 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

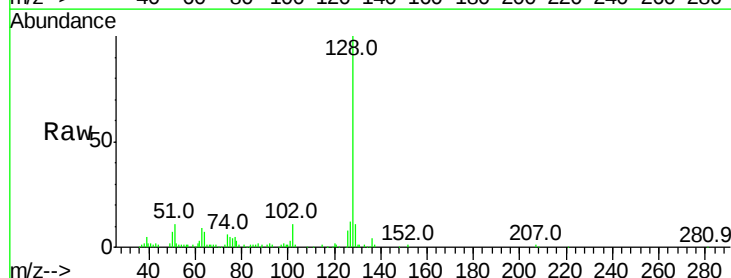
Tgt Ion: 128 Resp: 185232

Ion Ratio Lower Upper

128 100

129 11.3 8.3 12.5

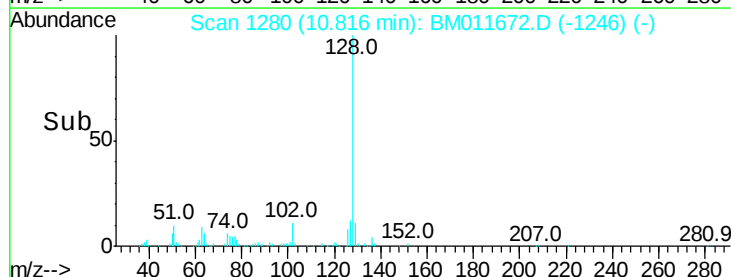
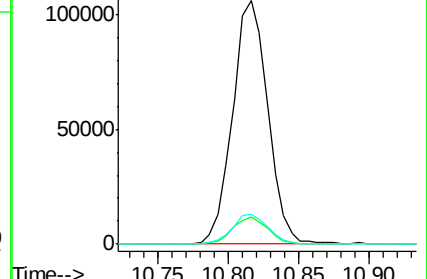
127 12.3 10.8 16.2

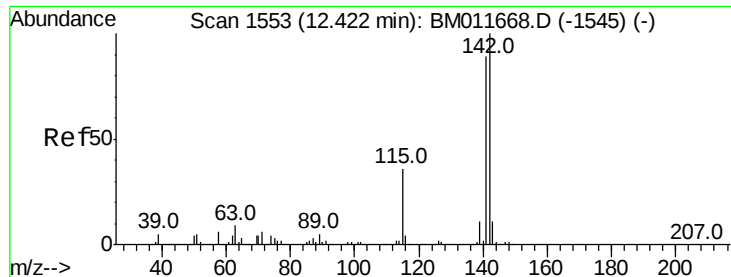


Abundance Ion 128.00 (127.70 to 128.70): BM011668.D (-1271) (-)

Ion 129.00 (128.70 to 129.70): BM011668.D (-1271) (-)

Ion 127.00 (126.70 to 127.70): BM011668.D (-1271) (-)

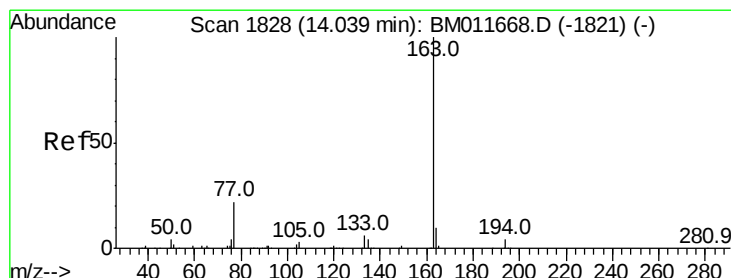
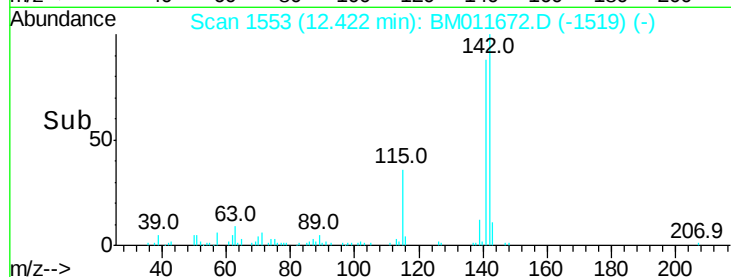
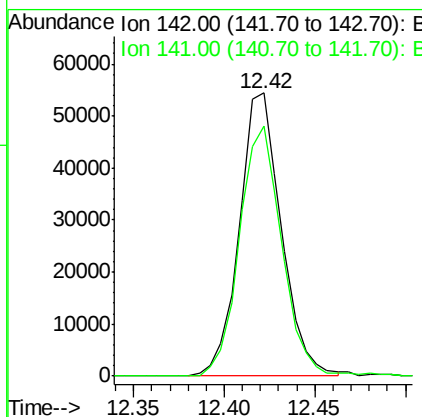
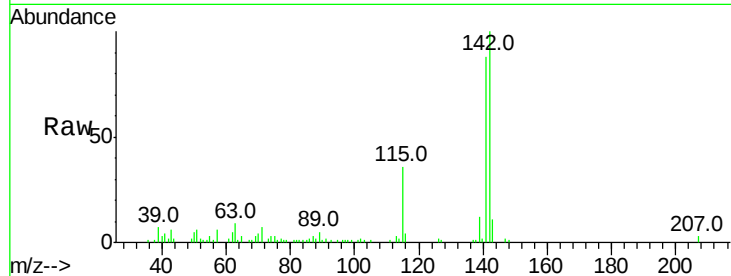




#34
2-Methylnaphthalene
Concen: 1.085 ng/ul
RT: 12.42 min Scan# 1553
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

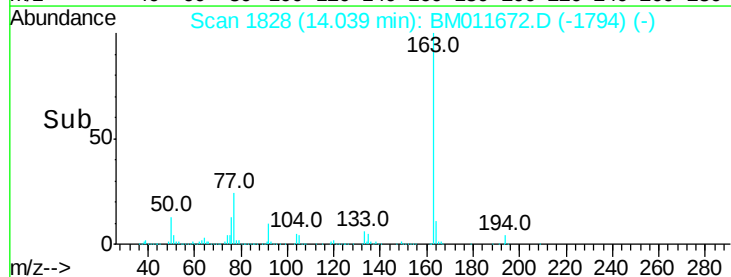
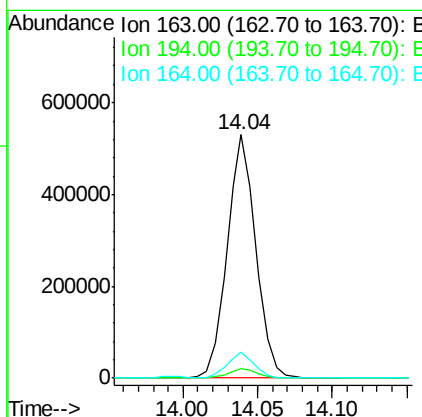
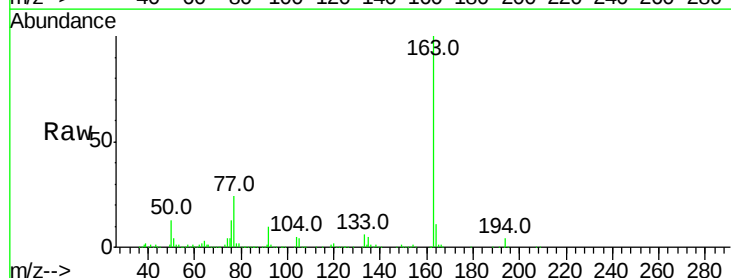
Instrument :
BNA_M
ClientSampleId :

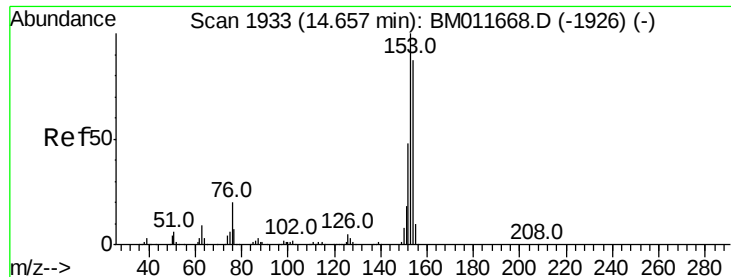
Tot Ion:142 Resp: 87699
Ion Ratio Lower Upper
142 100
141 88.3 71.4 107.2



#45
Dimethylphthalate
Concen: 7.569 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BM011672.D
Acq: 22 Sep 2017 02:18

Tgt Ion:163 Resp: 710510
Ion Ratio Lower Upper
163 100
194 3.7 4.0 6.0#
164 10.6 8.4 12.6





#50

Acenaphthene

Concen: 2.280 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

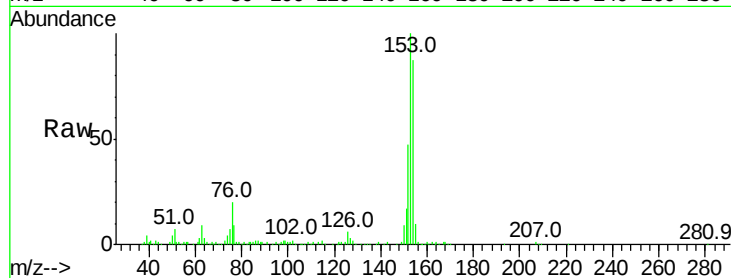
Tot Ion:153 Resp: 183827

Ion Ratio Lower Upper

153 100

152 47.1 37.9 56.9

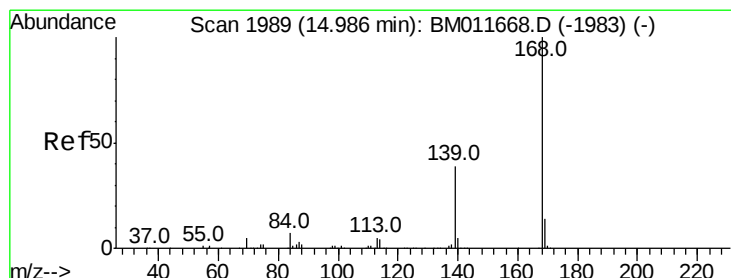
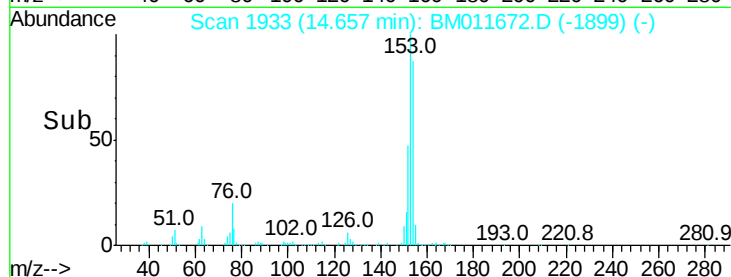
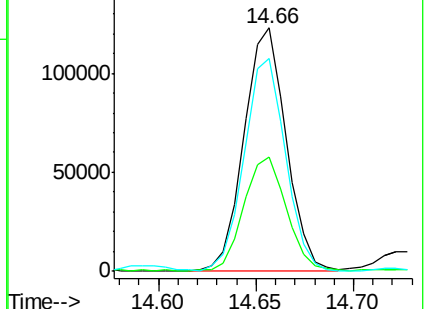
154 87.3 69.8 104.6



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



#54

Dibenzofuran

Concen: 1.488 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BM011672.D

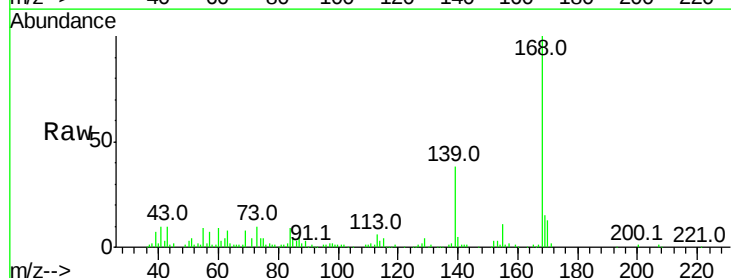
Acq: 22 Sep 2017 02:18

Tgt Ion:168 Resp: 167801

Ion Ratio Lower Upper

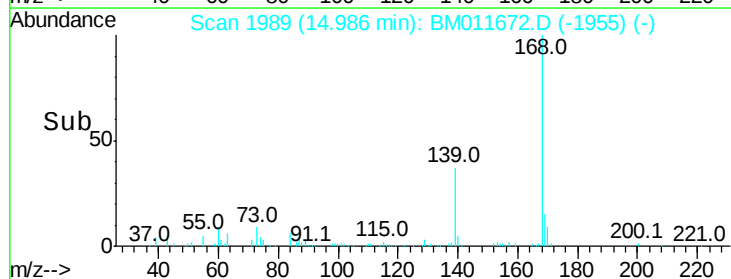
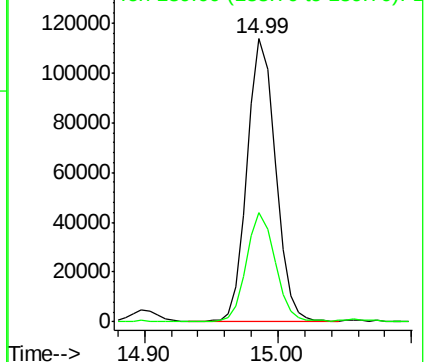
168 100

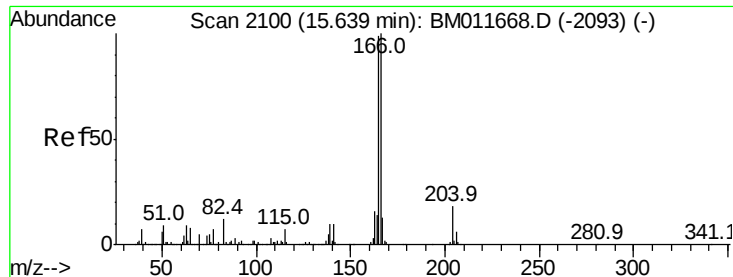
139 38.5 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

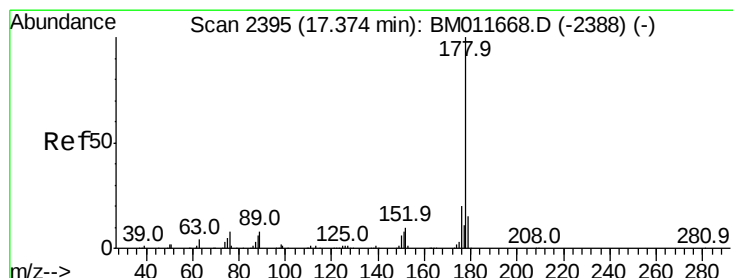
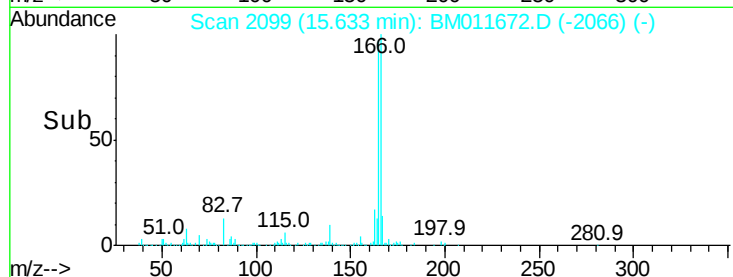
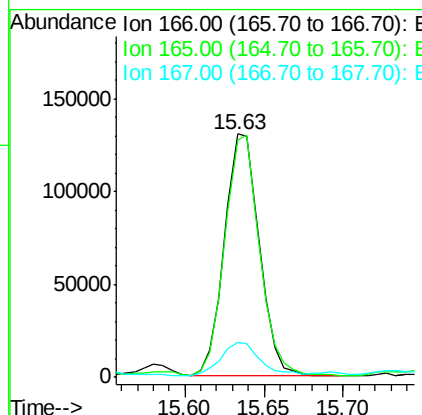
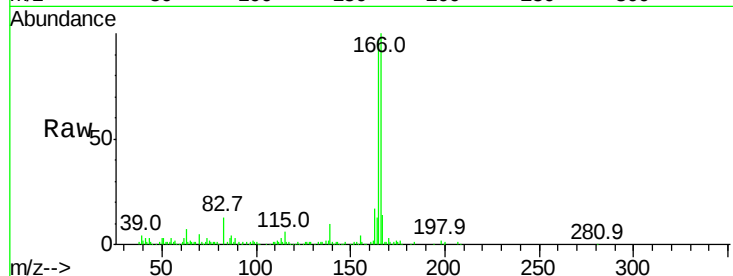




#59
 Fluorene
 Concen: 2.102 ng/ul
 RT: 15.63 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

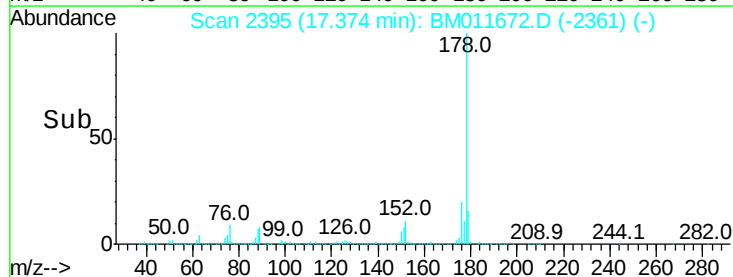
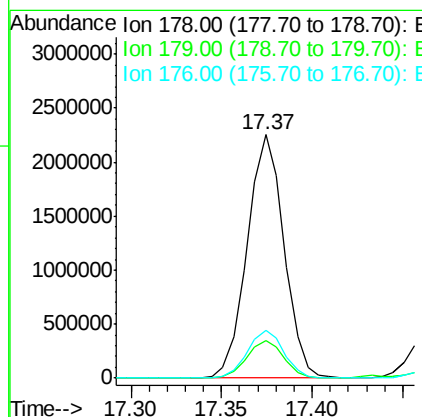
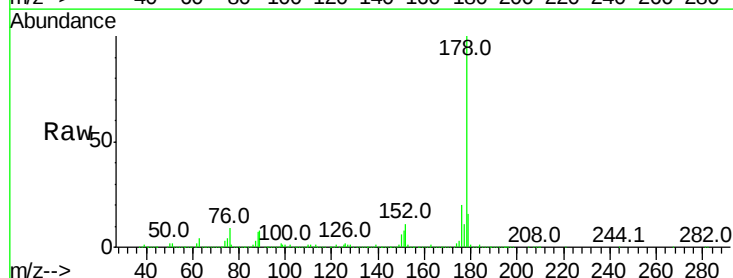
Instrument :
 BNA_M
 ClientSampleId :

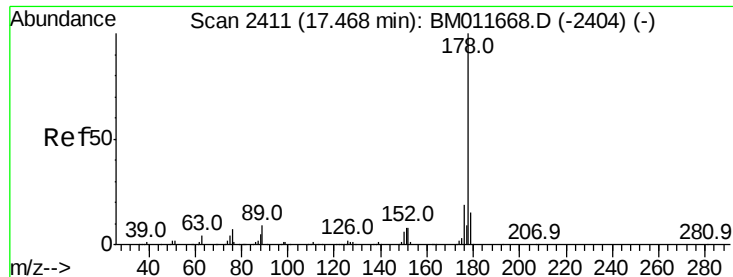
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	14.3	11.1	16.7



#70
 Phenanthrene
 Concen: 23.156 ng/ul
 RT: 17.37 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.7	15.4	23.0





#72

Anthracene

Concen: 4.539 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

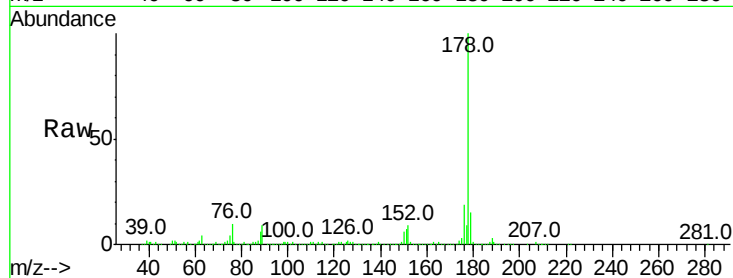
Tot Ion:178 Resp: 636981

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

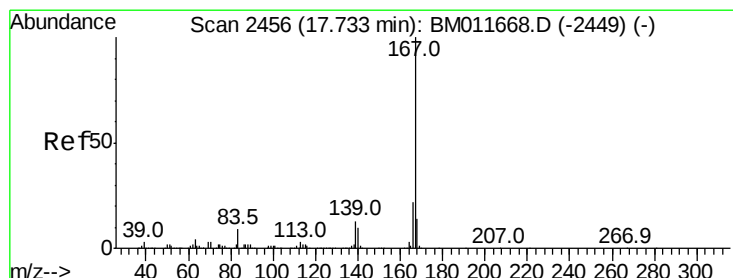
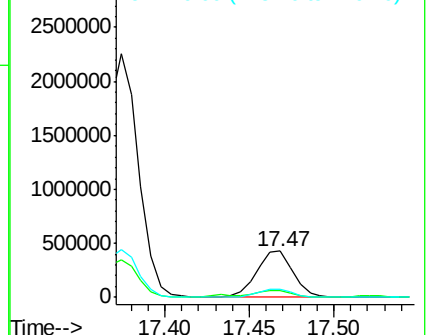
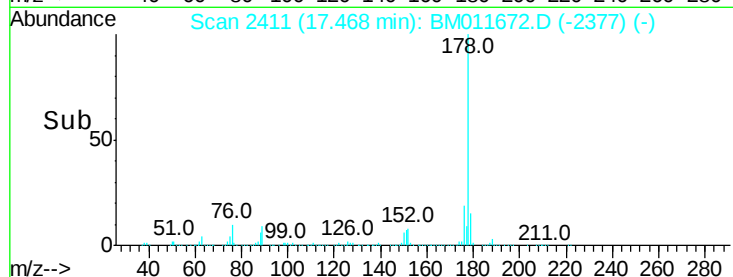
176 18.7 15.4 23.0



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: 2.486 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

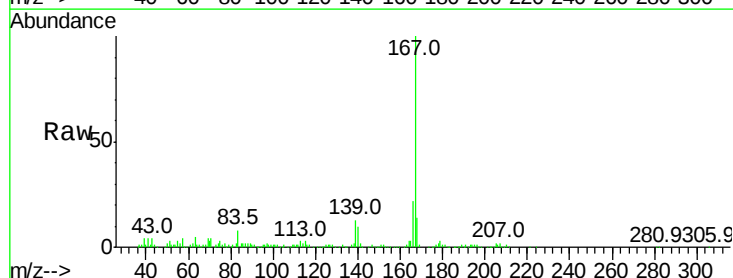
Tgt Ion:167 Resp: 297640

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.4

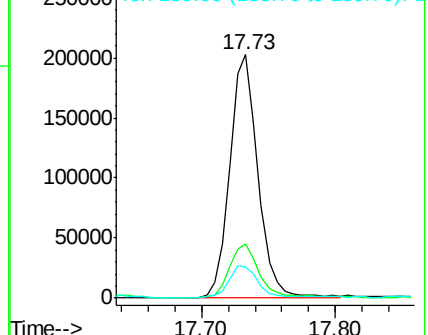
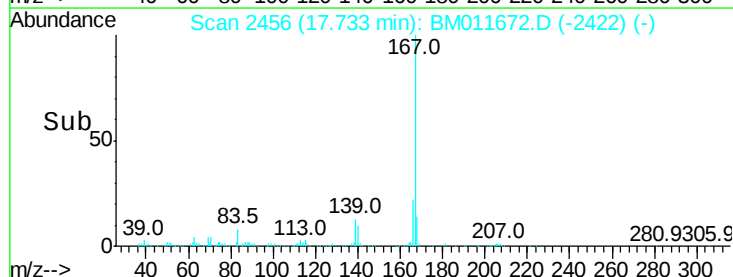
139 12.9 9.1 13.7

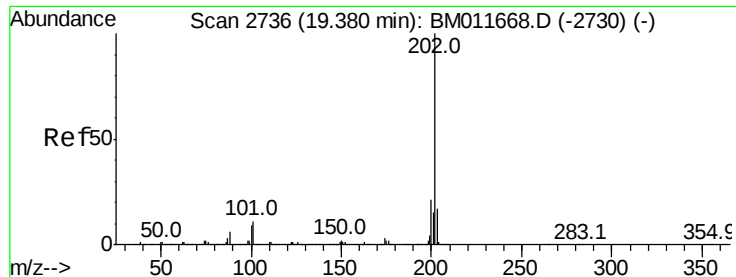


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 35.220 ng/ul

RT: 19.38 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

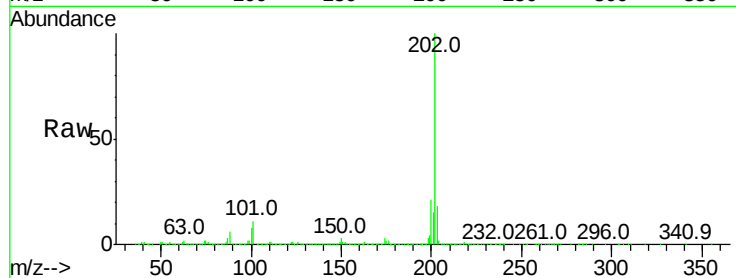
Tot Ion:202 Resp: 4953849

Ion Ratio Lower Upper

202 100

101 11.2 6.1 9.1#

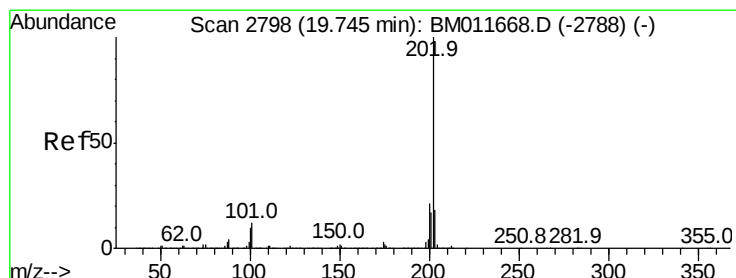
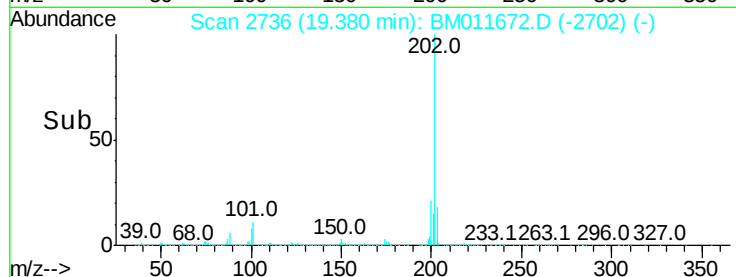
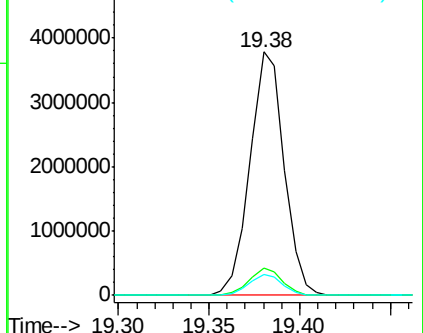
100 8.5 4.6 7.0#



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

Pyrene

Concen: 38.107 ng/ul

RT: 19.74 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

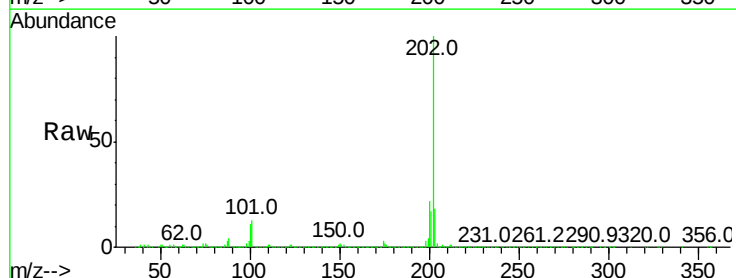
Tgt Ion:202 Resp: 4276149

Ion Ratio Lower Upper

202 100

101 13.0 6.9 10.3#

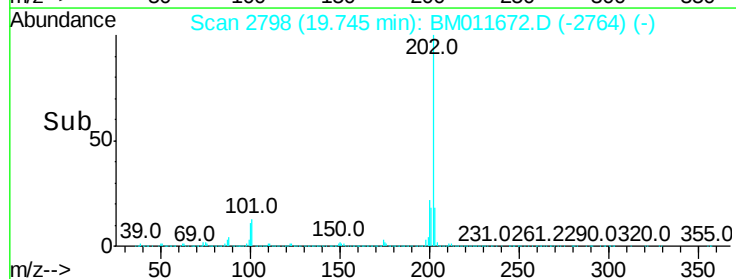
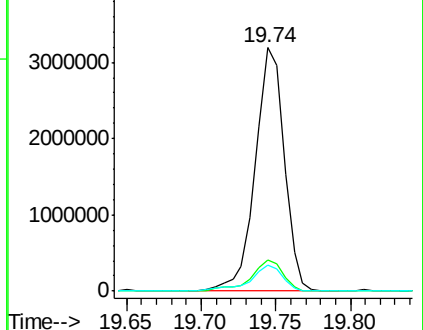
100 10.8 5.6 8.4#

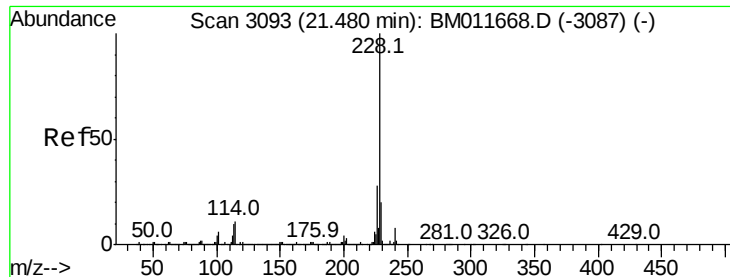


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 18.146 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

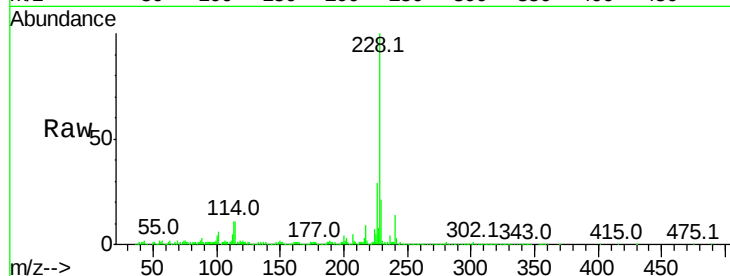
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1921650

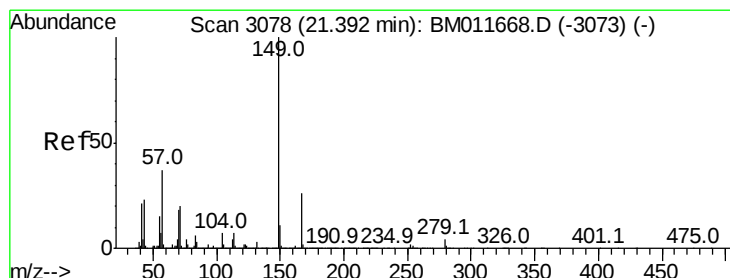
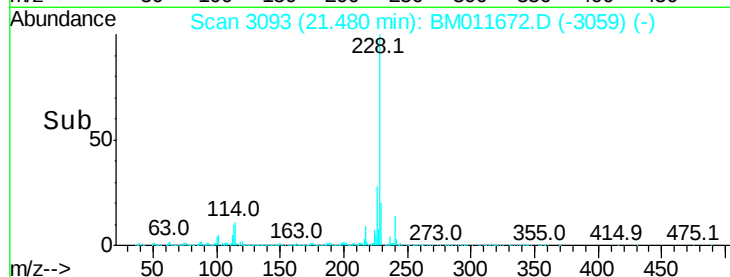
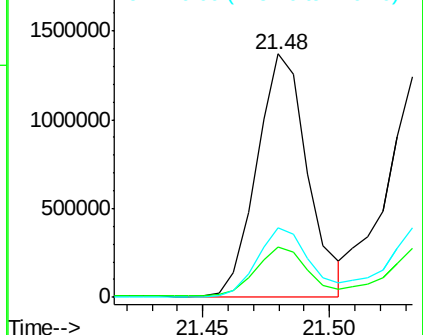
Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.0	24.0
226	28.7	21.8	32.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.922 ng/ul

RT: 21.39 min Scan# 3078

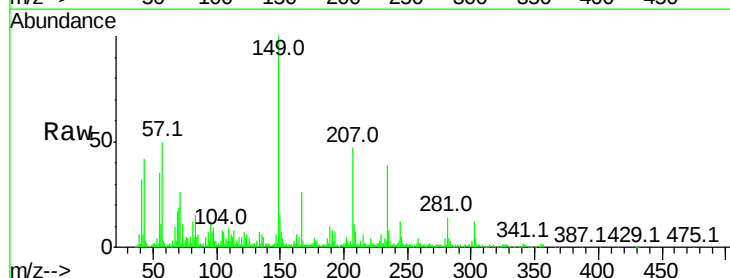
Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Tgt Ion:149 Resp: 152353

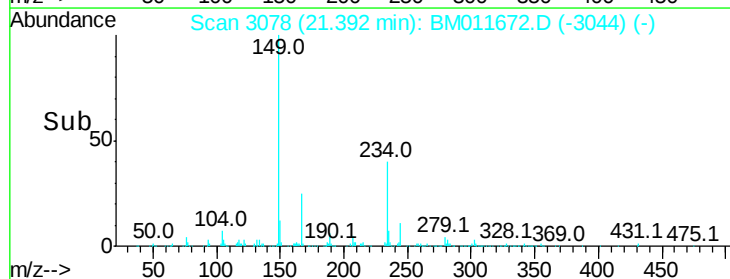
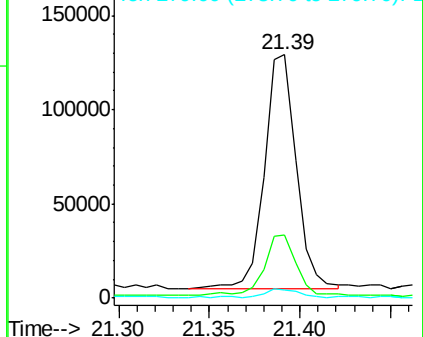
Ion	Ratio	Lower	Upper
149	100		
167	26.1	23.0	34.6
279	3.5	4.3	6.5

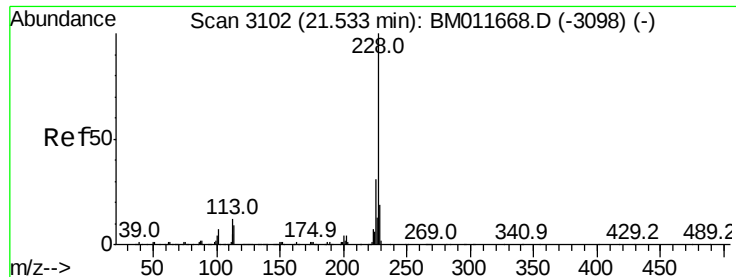


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



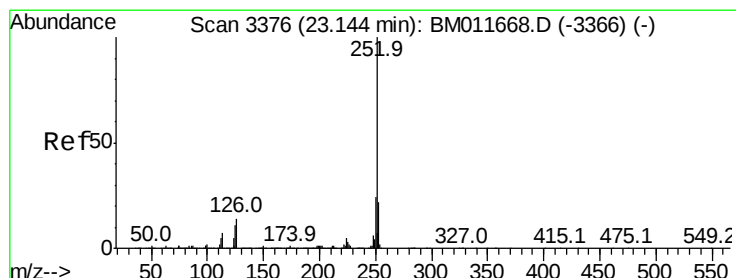
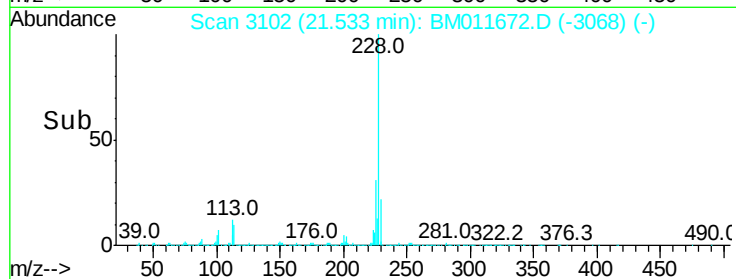
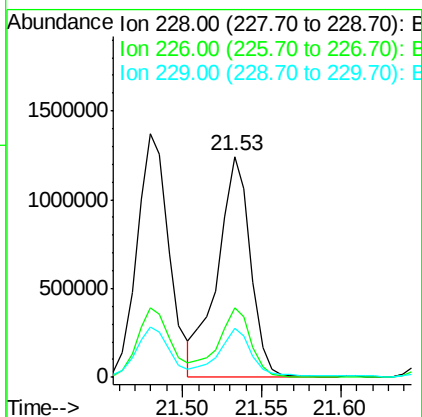
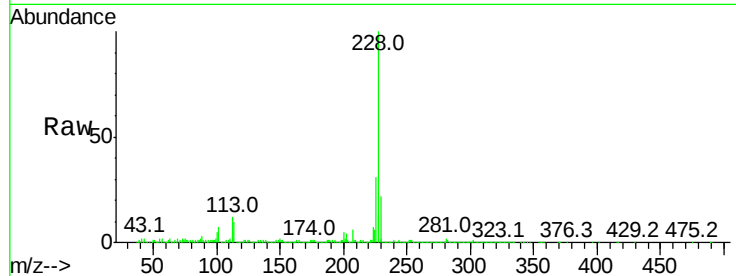


#85
 Chrysene
 Concen: 18.655 ng/ul
 RT: 21.53 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:228 Resp: 1790959

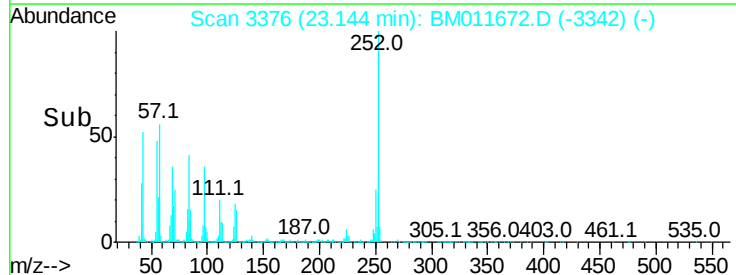
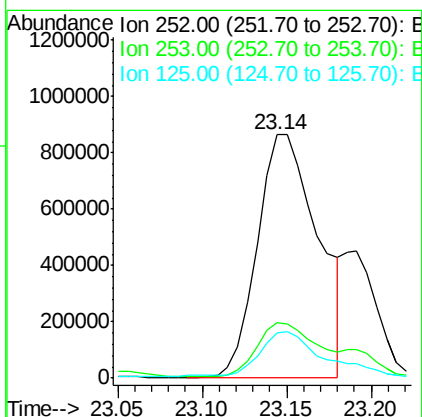
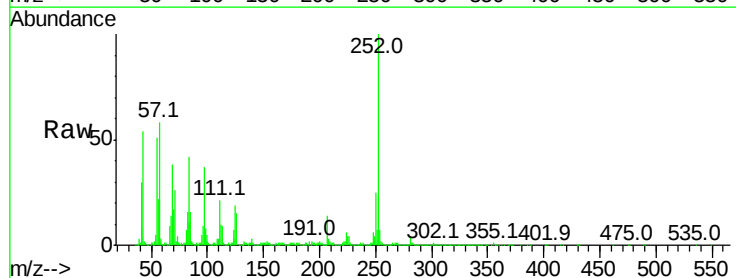
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.1	36.1
229	22.3	16.0	24.0

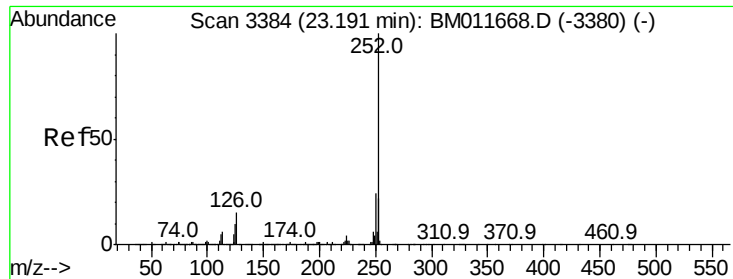


#88
 Benzo(b)fluoranthene
 Concen: 22.585 ng/ul
 RT: 23.14 min Scan# 3376
 Delta R.T. -0.00 min
 Lab File: BM011672.D
 Acq: 22 Sep 2017 02:18

Tgt Ion:252 Resp: 2141433

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	18.7	4.9	7.3#





#89

Benzo(k)fluoranthene

Concen: 23.516 ng/uL

RT: 23.14 min Scan# 3376

Delta R.T. -0.05 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampled :

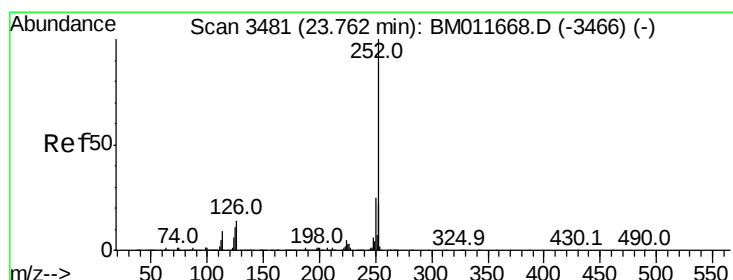
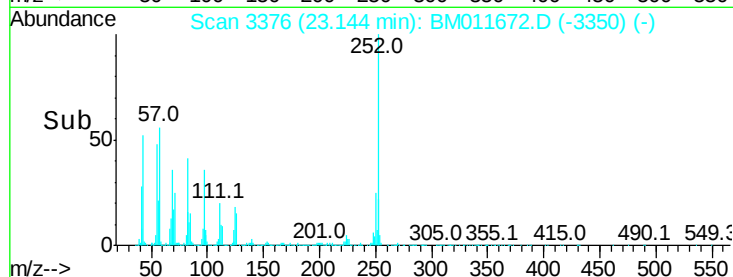
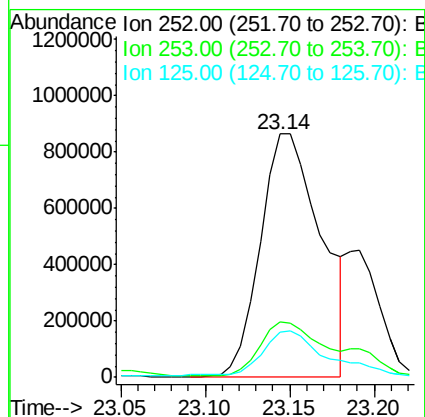
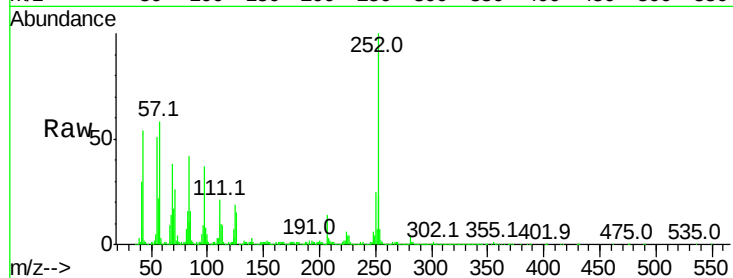
Tot Ion:252 Resp: 2141433

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 18.7 5.4 8.0#



#91

Benzo(a)pyrene

Concen: 15.291 ng/uL

RT: 23.76 min Scan# 3481

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

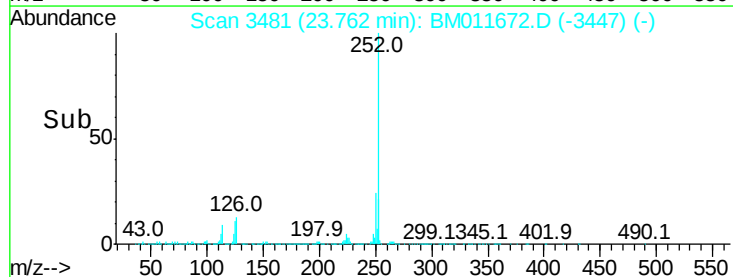
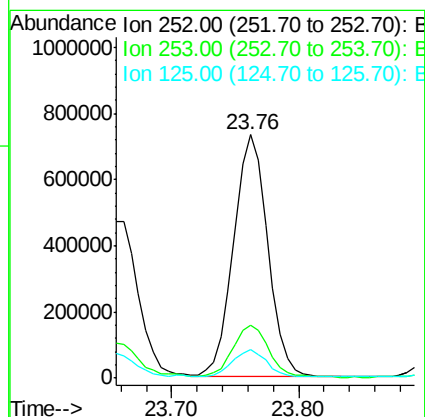
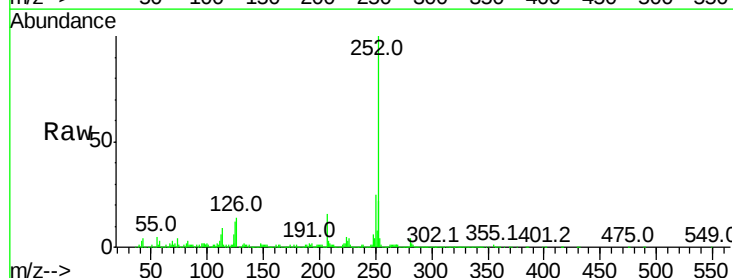
Tgt Ion:252 Resp: 1368533

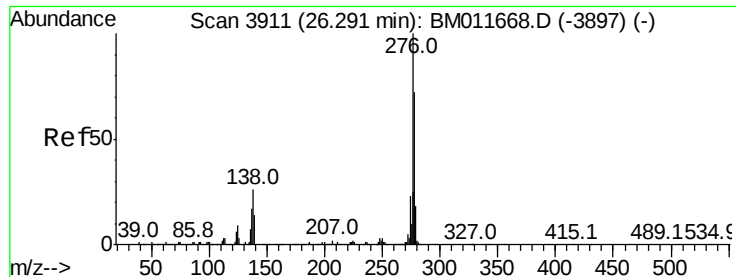
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 11.5 5.8 8.6#





#92

Indeno(1,2,3-cd)pyrene

Concen: 9.283 ng/ul

RT: 26.29 min Scan# 3911

Delta R.T. -0.00 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

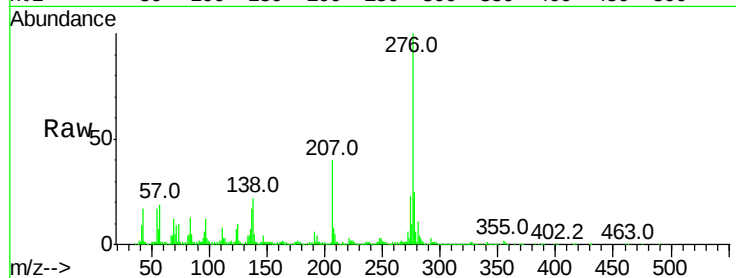
Tot Ion:276 Resp: 913864

Ion Ratio Lower Upper

276 100

138 22.5 10.9 16.3#

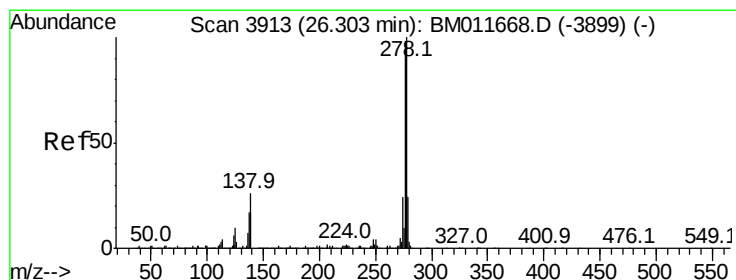
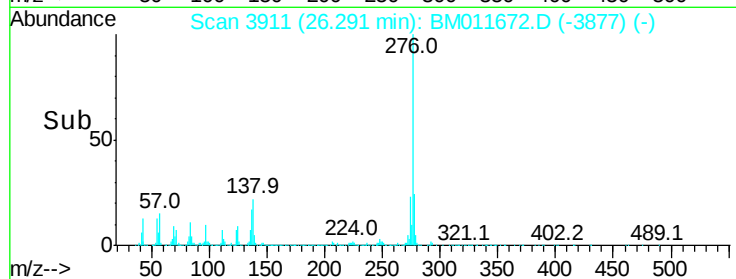
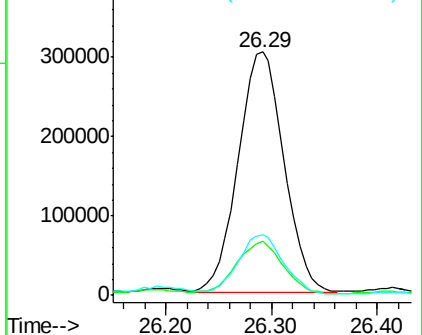
277 24.7 18.9 28.3



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: 2.914 ng/ul

RT: 26.29 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

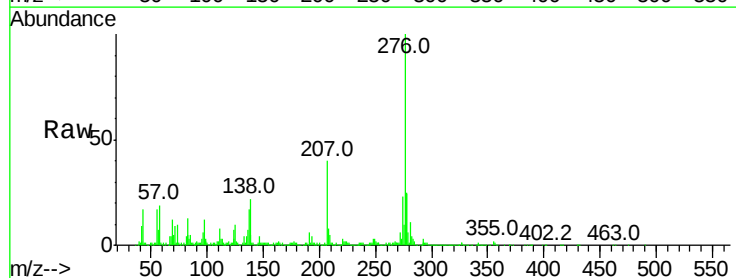
Tgt Ion:278 Resp: 243272

Ion Ratio Lower Upper

278 100

139 22.1 9.0 13.4#

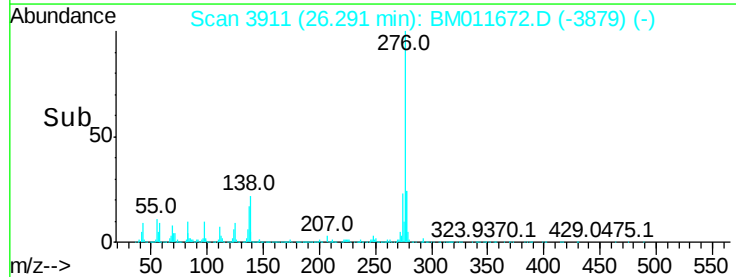
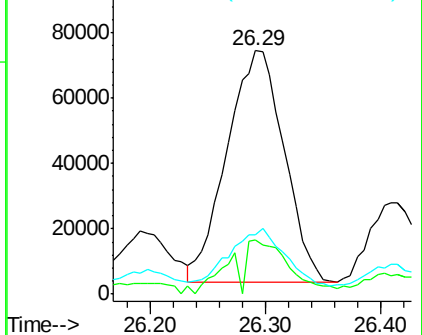
279 24.6 19.1 28.7

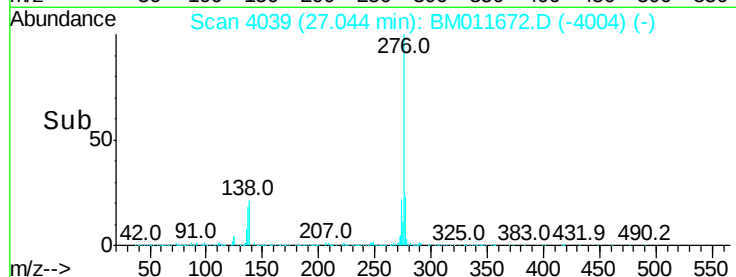
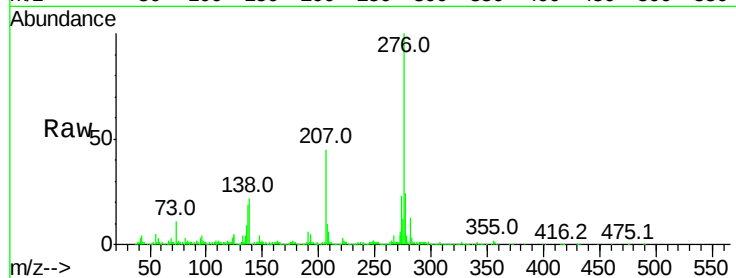
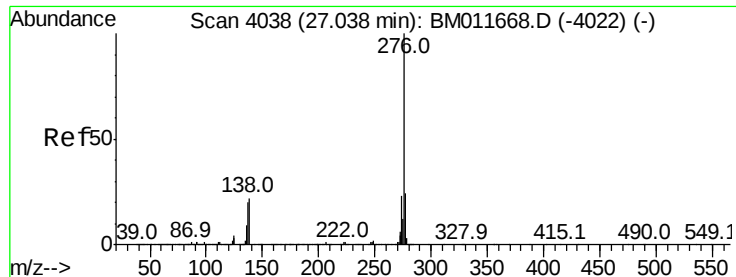


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 10.992 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM011672.D

Acq: 22 Sep 2017 02:18

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 876349

Ion Ratio Lower Upper

276 100

138 21.8 11.2 16.8#

277 23.7 19.0 28.6

