

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011680.D
 Acq On : 22 Sep 2017 07:08
 Operator : SJ/JU
 Sample : I5287-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:46:52 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	522925	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	2387553	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1303699	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2758193	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2101910	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1743217	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	37978	3.27	ng/uL	0.00
5) Phenol-d5	7.11	99	964631	19.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	718511	21.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	782669	20.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	722414	18.43	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	1762	0.10	ng/ul	0.08
22) 2-Nitrophenol-d4	9.85	143	410538	21.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	727840	19.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	395778	9.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2324829	21.09	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2877662	21.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	211197	10.20	ng/ul	0.00
58) Fluorene-d10	15.58	176	2010945	21.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	200330	12.48	ng/ul	0.00
71) Anthracene-d10	17.43	188	2948556	21.71	ng/ul	0.00
79) Pyrene-d10	19.72	212	3141812	31.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	1899545	22.86	ng/ul	0.00

Target Compounds

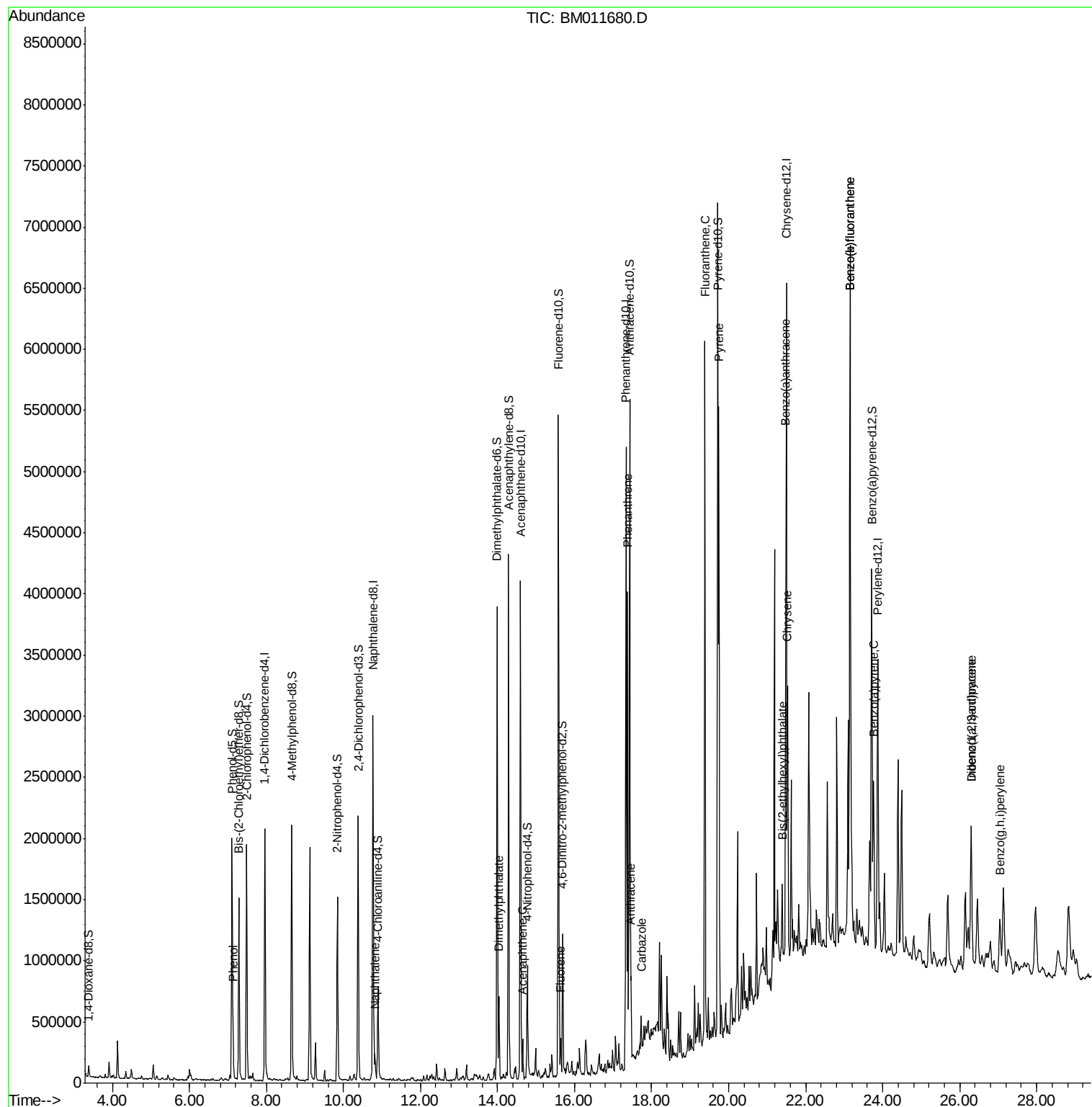
					Ovalue	
6) Phenol	7.14	94	123549	2.479	ng/ul	93
28) Naphthalene	10.82	128	150054	1.212	ng/ul	98
45) Dimethylphthalate	14.04	163	370649	3.513	ng/ul#	97
50) Acenaphthene	14.66	153	119916	1.323	ng/ul	93
59) Fluorene	15.63	166	127183	1.197	ng/ul	99
70) Phenanthrene	17.37	178	2240923	14.576	ng/ul	99
72) Anthracene	17.47	178	443384	2.811	ng/ul	97
75) Carbazole	17.73	167	202329	1.503	ng/ul	97
77) Fluoranthene	19.38	202	3317790	20.981	ng/ul#	91
80) Pyrene	19.74	202	2996461	24.434	ng/ul#	88
83) Benzo(a)anthracene	21.48	228	1268896	10.964	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.39	149	164624	1.901	ng/ul#	97
85) Chrysene	21.53	228	1218599	11.615	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	1353737	12.909	ng/ul#	89
89) Benzo(k)fluoranthene	23.15	252	1353737	13.441	ng/ul#	88
91) Benzo(a)pyrene	23.76	252	935030	9.446	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.30	276	625554	5.745	ng/ul#	93
93) Dibenzo(a,h)anthracene	26.29	278	166946	1.808	ng/ul#	87
94) Benzo(g,h,i)perylene	27.04	276	562377	6.377	ng/ul#	93

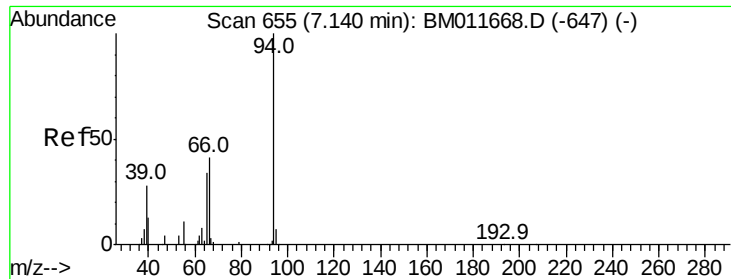
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 08:34:40 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.479 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Instrument :

BNA_M

ClientSampleId :

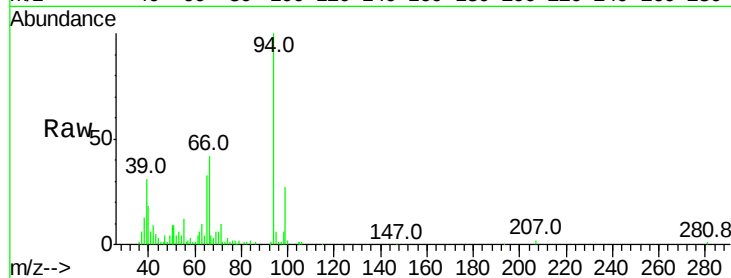
Tot Ion: 94 Resp: 123549

Ion Ratio Lower Upper

94 100

65 33.0 23.0 34.6

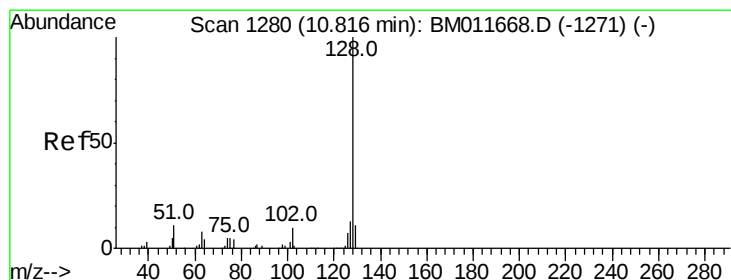
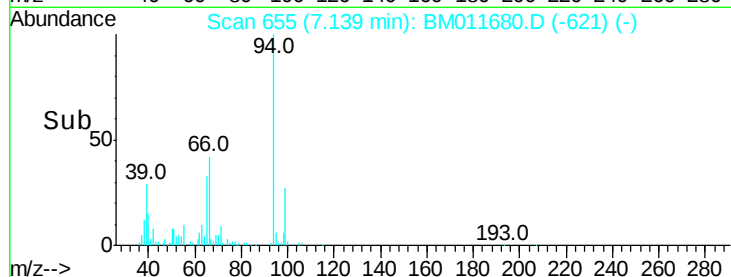
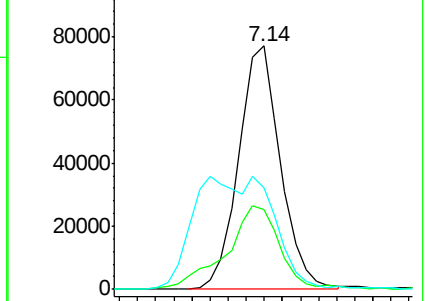
66 41.8 30.4 45.6



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: 1.212 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

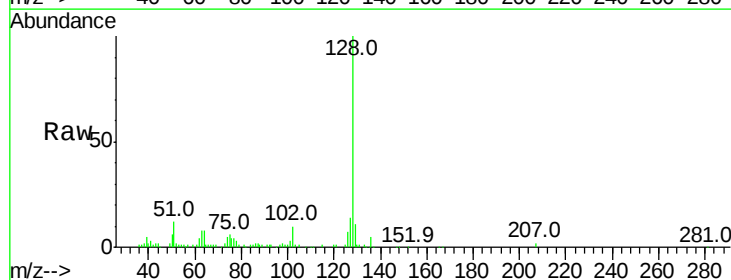
Tgt Ion: 128 Resp: 150054

Ion Ratio Lower Upper

128 100

129 11.5 8.3 12.5

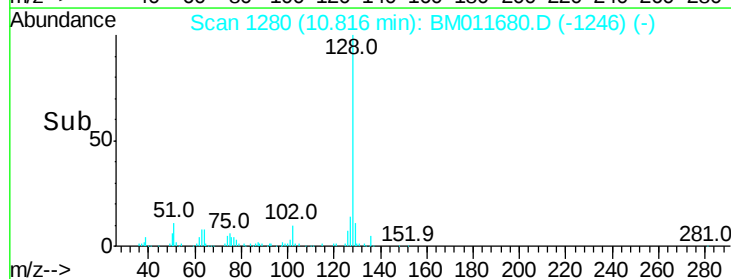
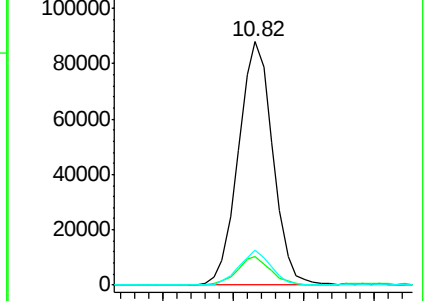
127 14.3 10.8 16.2

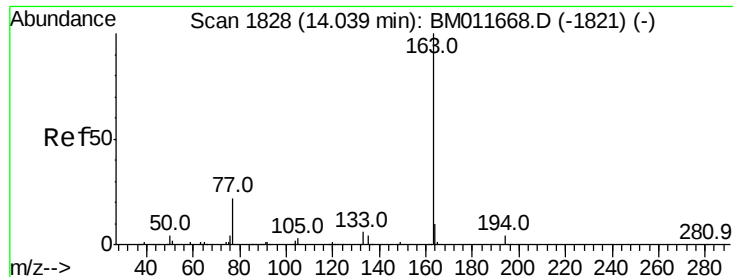


Abundance Ion 128.00 (127.70 to 128.70): BM011668.D (-1271) (-)

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

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

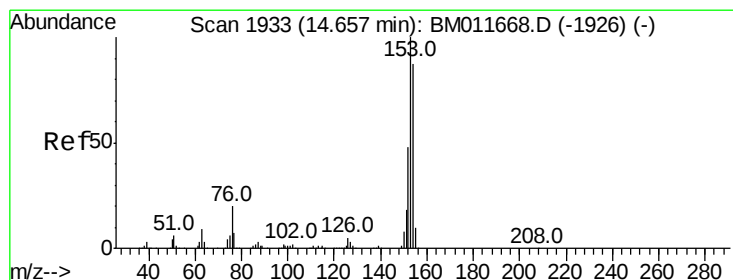
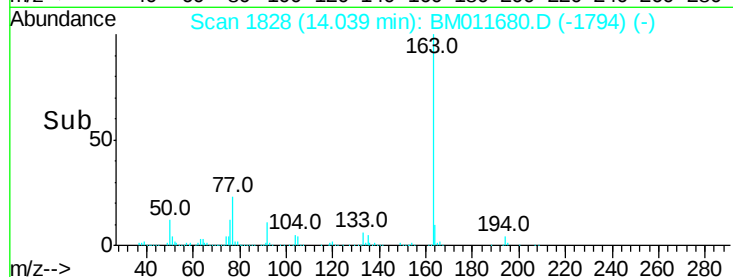
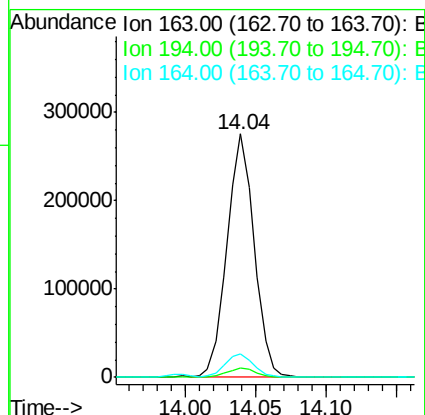
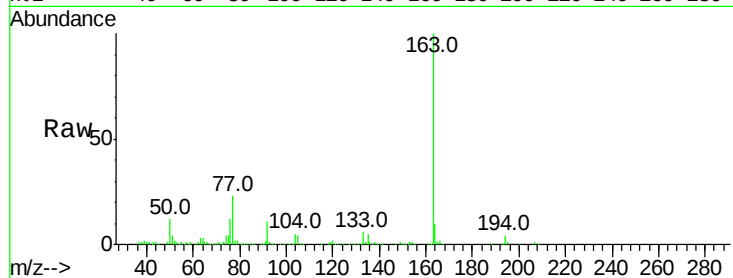




#45
Dimethylphthalate
Concen: 3.513 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

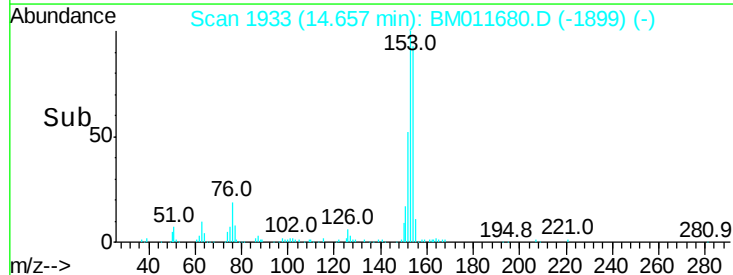
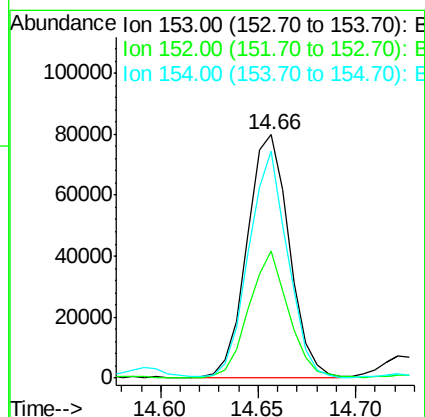
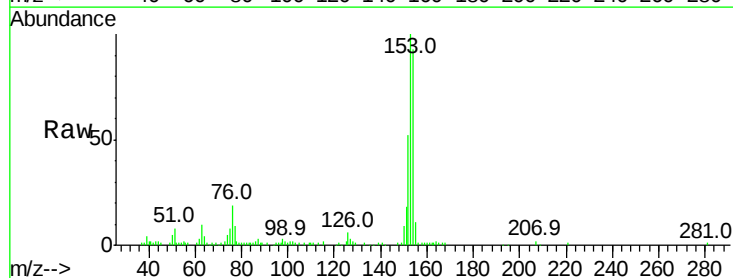
Instrument :
BNA_M
ClientSampleId :

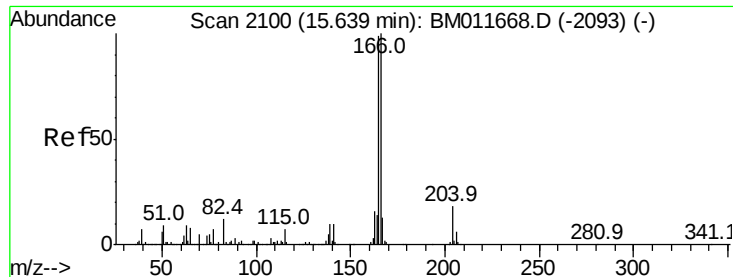
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	4.0	6.0#
164	9.6	8.4	12.6



#50
Acenaphthene
Concen: 1.323 ng/ul
RT: 14.66 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.2	37.9	56.9
154	93.2	69.8	104.6





#59

Fluorene

Concen: 1.197 ng/ul

RT: 15.63 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

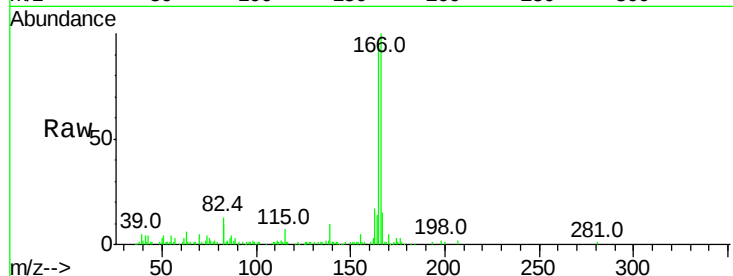
Instrument :

BNA_M

ClientSampleId :

Tot Ion:166 Resp: 127183

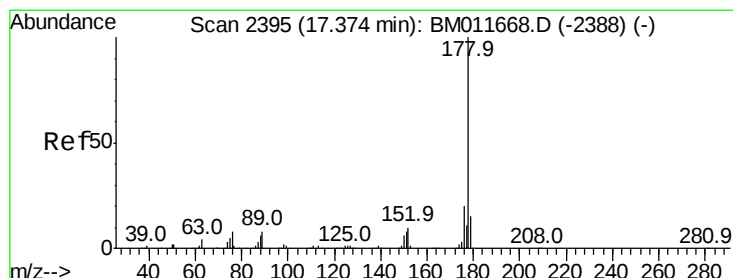
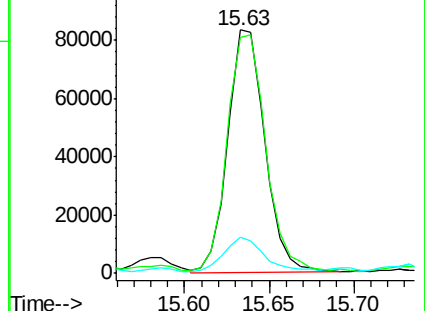
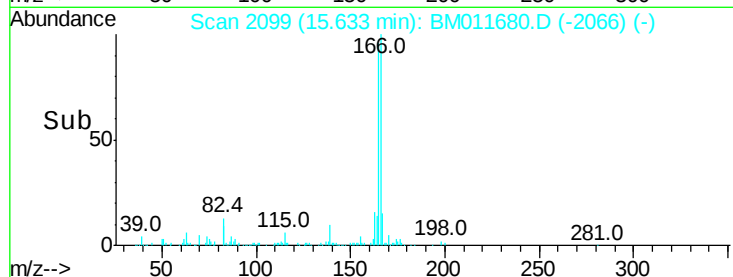
Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	15.1	11.1	16.7



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



#70

Phenanthrene

Concen: 14.576 ng/ul

RT: 17.37 min Scan# 2395

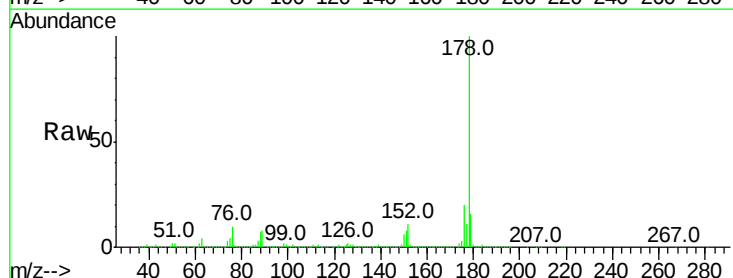
Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Tgt Ion:178 Resp: 2240923

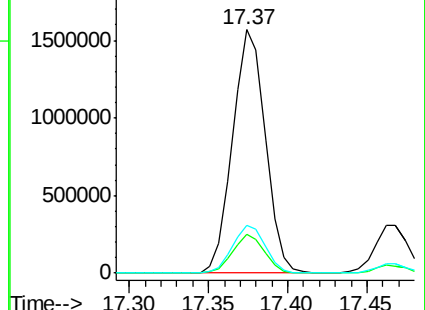
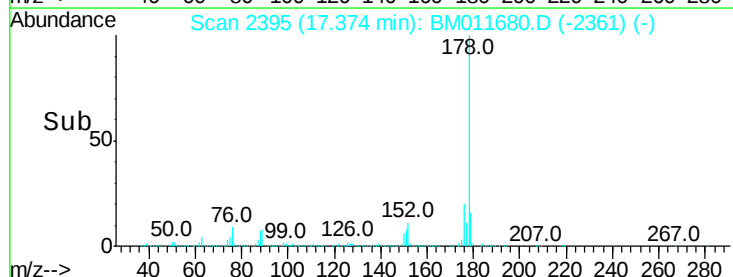
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.7	15.4	23.0

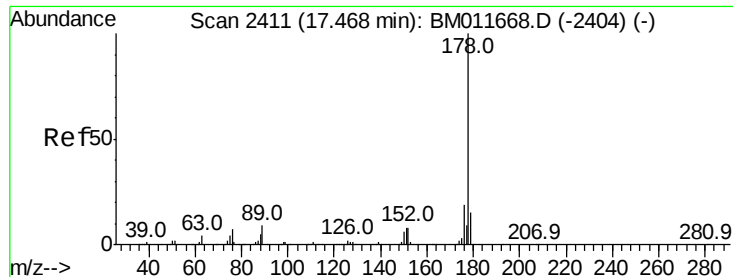


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.811 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

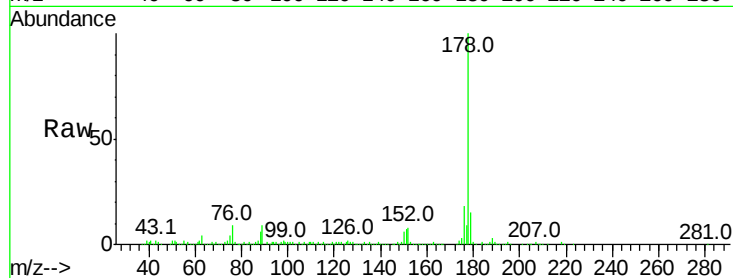
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 443384

Ion	Ratio	Lower	Upper
178	100		
179	14.7	13.4	20.2
176	18.5	15.4	23.0

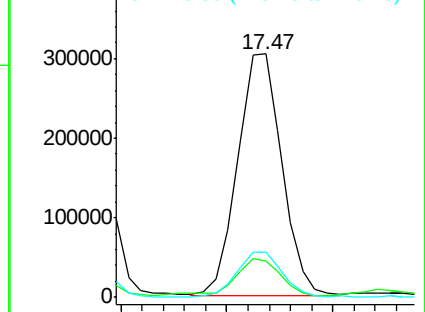


Abundance

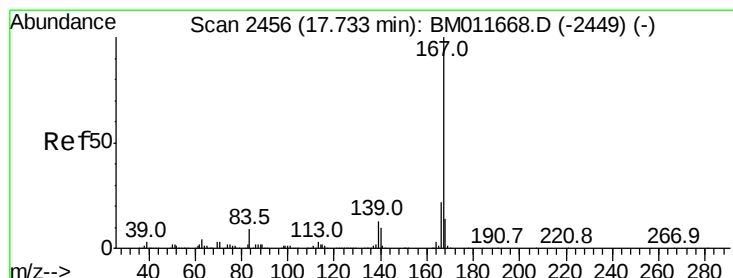
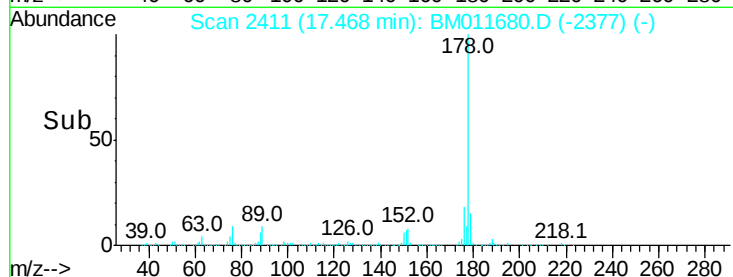
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.40 17.45 17.50



#75

Carbazole

Concen: 1.503 ng/ul

RT: 17.73 min Scan# 2456

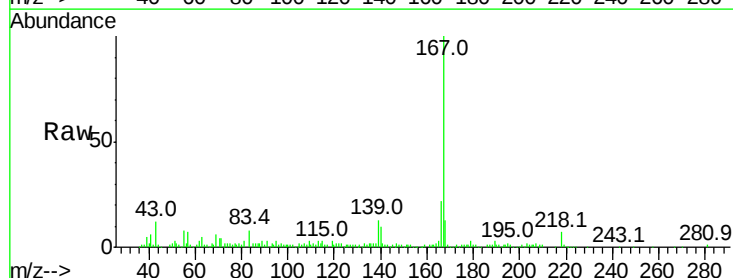
Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Tgt Ion:167 Resp: 202329

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.0	25.4
139	13.3	9.1	13.7

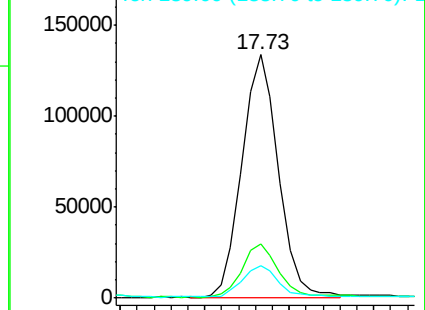


Abundance

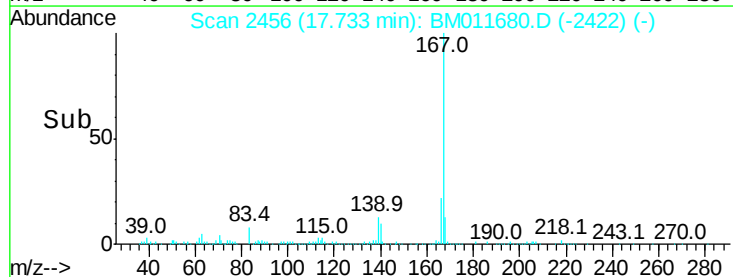
Ion 167.00 (166.70 to 167.70): E

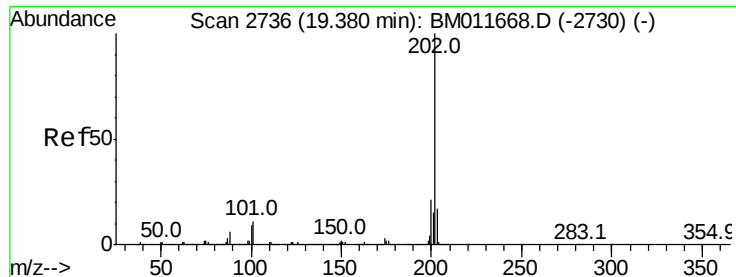
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.65 17.70 17.75 17.80

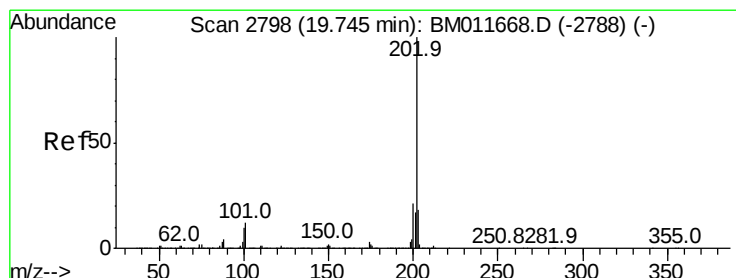
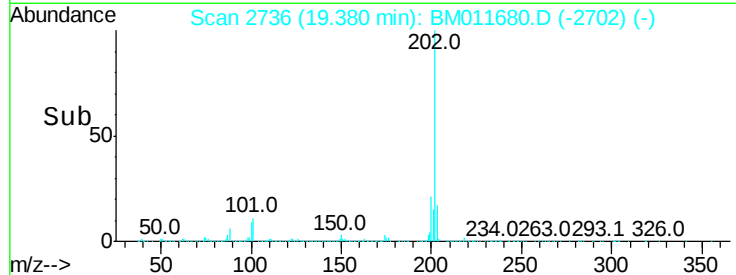
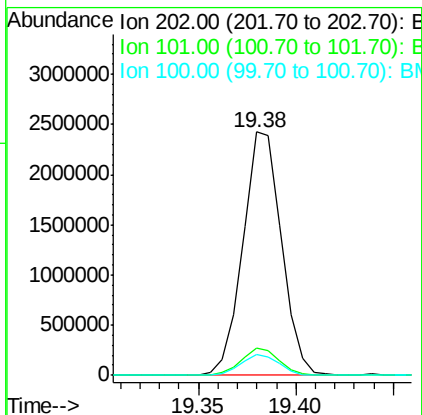
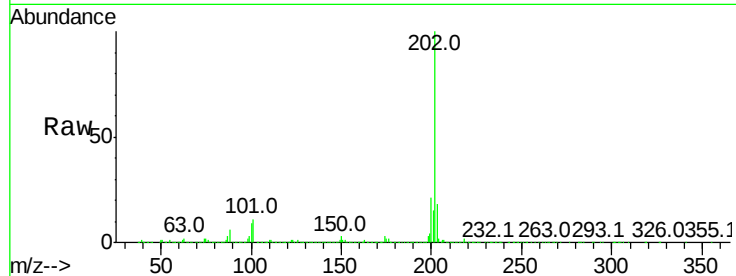




#77
 Fluoranthene
 Concen: 20.981 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. -0.00 min
 Lab File: BM011680.D
 Acq: 22 Sep 2017 07:08

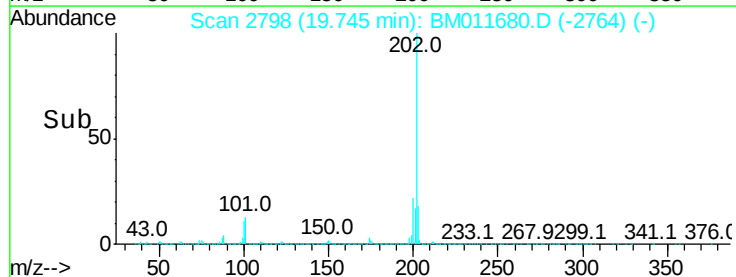
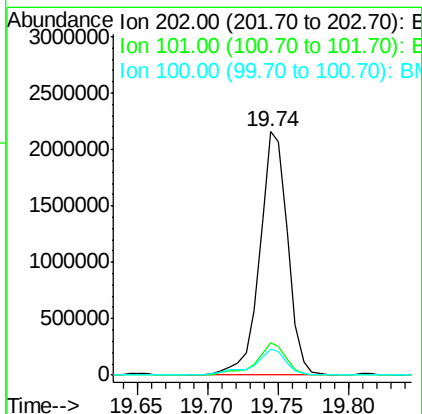
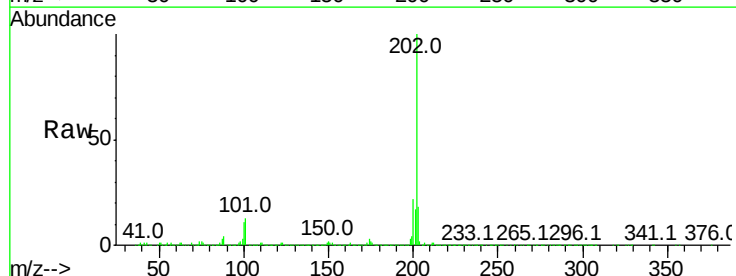
Instrument :
 BNA_M
 ClientSampleId :

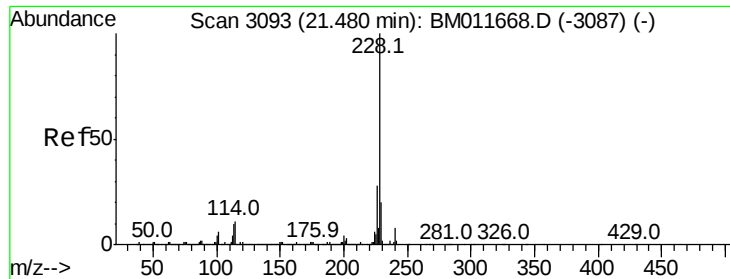
Tot Ion:202 Resp: 3317790
 Ion Ratio Lower Upper
 202 100
 101 11.0 6.1 9.1#
 100 8.6 4.6 7.0#



#80
 Pyrene
 Concen: 24.434 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BM011680.D
 Acq: 22 Sep 2017 07:08

Tgt Ion:202 Resp: 2996461
 Ion Ratio Lower Upper
 202 100
 101 13.1 6.9 10.3#
 100 10.6 5.6 8.4#





#83

Benzo(a)anthracene

Concen: 10.964 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

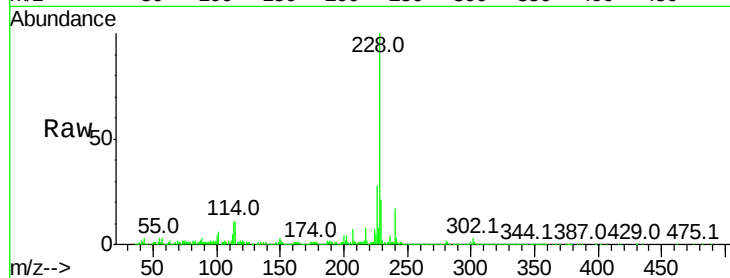
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1268896

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.0	24.0
226	27.8	21.8	32.8

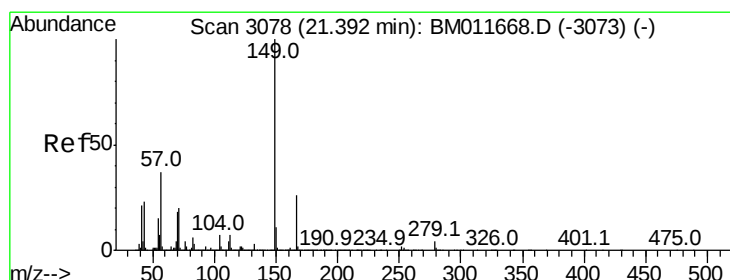
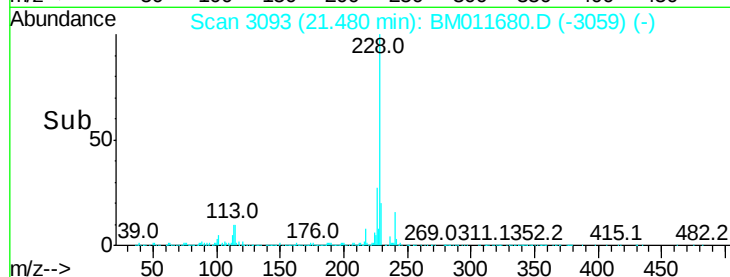
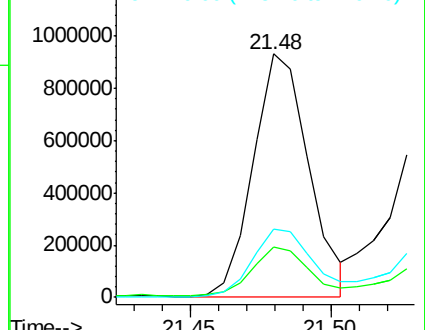


Abundance

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: 1.901 ng/ul

RT: 21.39 min Scan# 3078

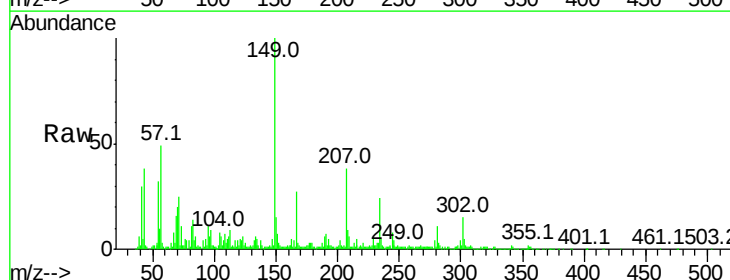
Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Tgt Ion:149 Resp: 164624

Ion	Ratio	Lower	Upper
149	100		
167	27.1	23.0	34.6
279	4.1	4.3	6.5

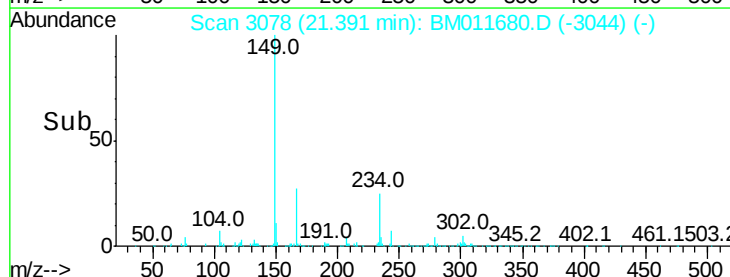
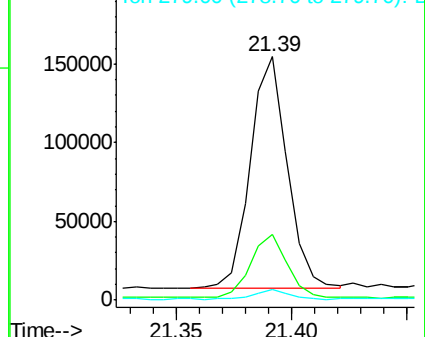


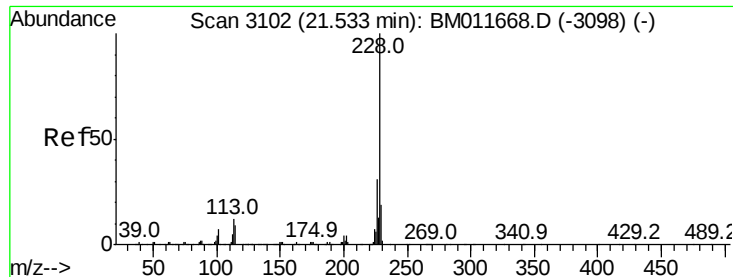
Abundance

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

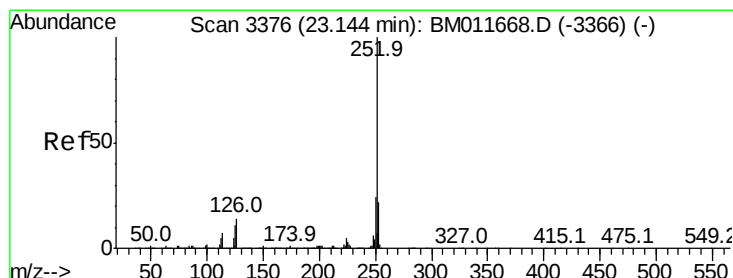
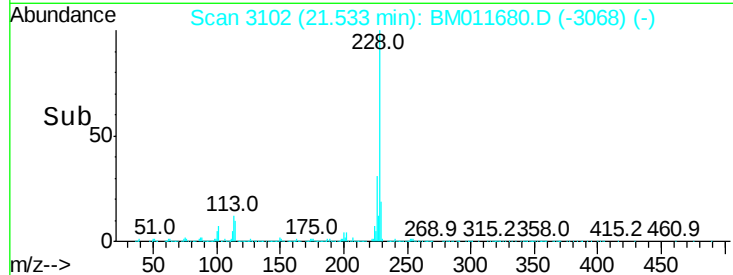
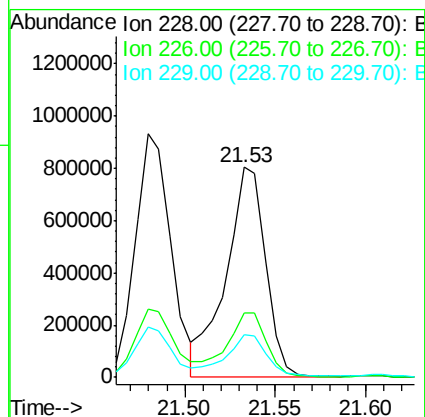
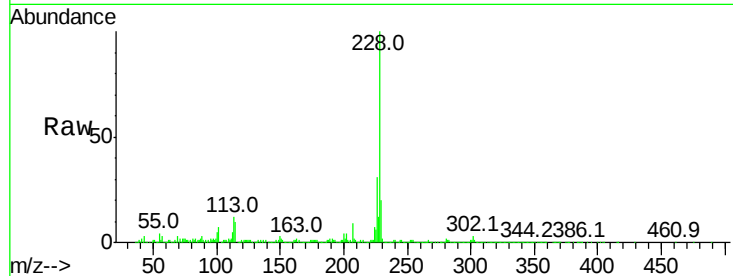




#85
Chrysene
Concen: 11.615 ng/ul
RT: 21.53 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

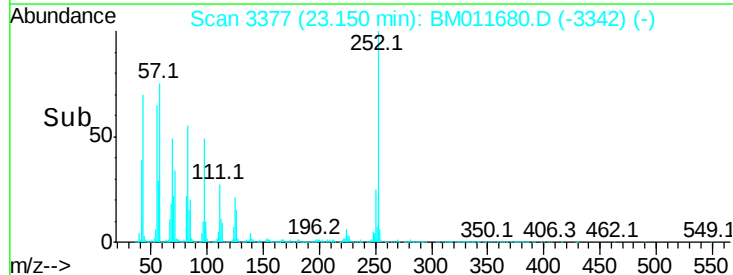
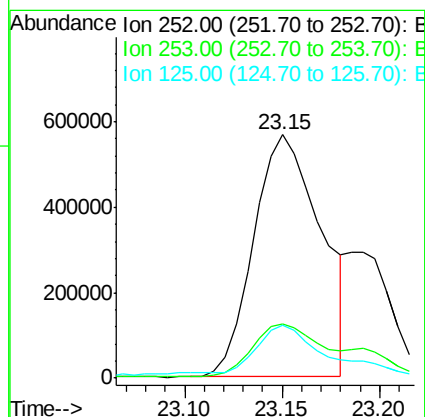
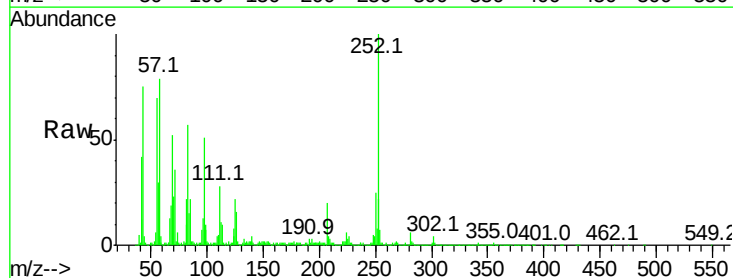
Instrument :
BNA_M
ClientSampleId :

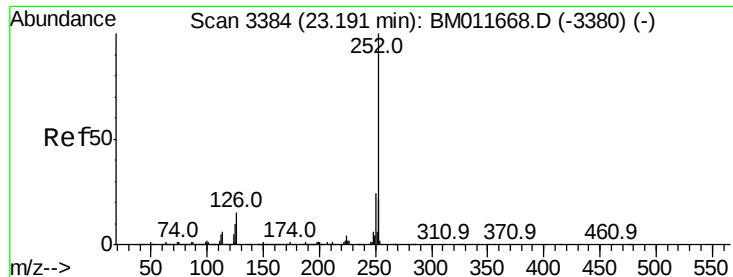
Tot Ion:228 Resp: 1218599
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 20.1 16.0 24.0



#88
Benzo(b)fluoranthene
Concen: 12.909 ng/ul
RT: 23.15 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

Tgt Ion:252 Resp: 1353737
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 21.9 4.9 7.3#





#89

Benzo(k)fluoranthene

Concen: 13.441 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Instrument :

BNA_M

ClientSampleId :

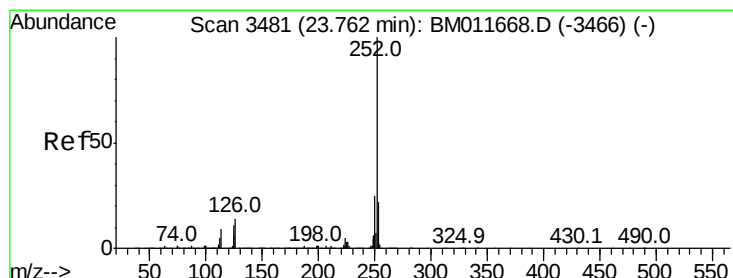
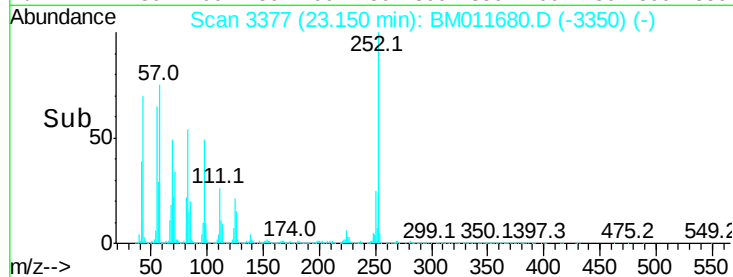
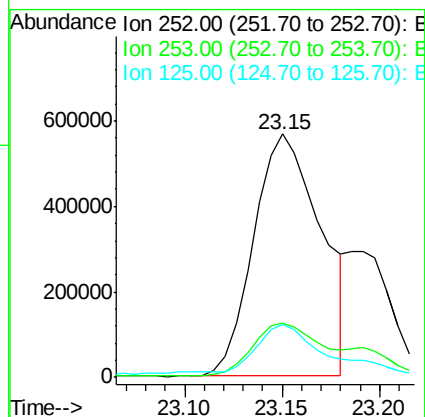
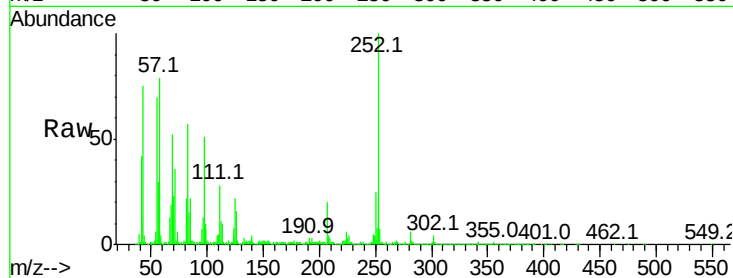
Tot Ion:252 Resp: 1353737

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 21.9 5.4 8.0#



#91

Benzo(a)pyrene

Concen: 9.446 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. -0.00 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

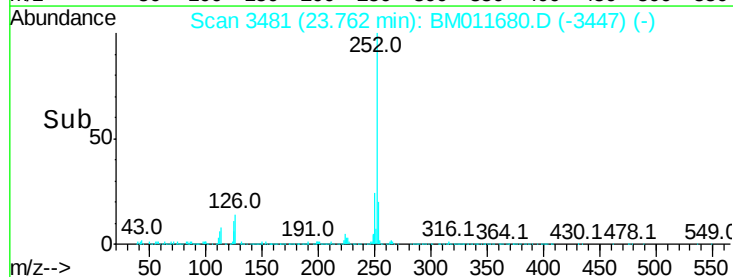
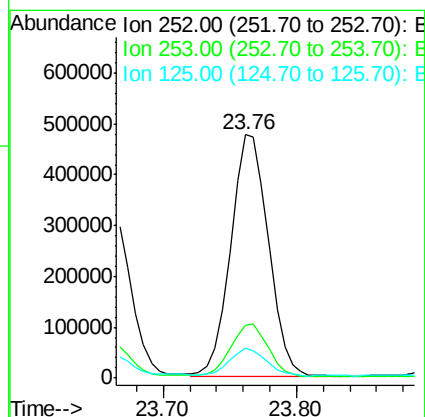
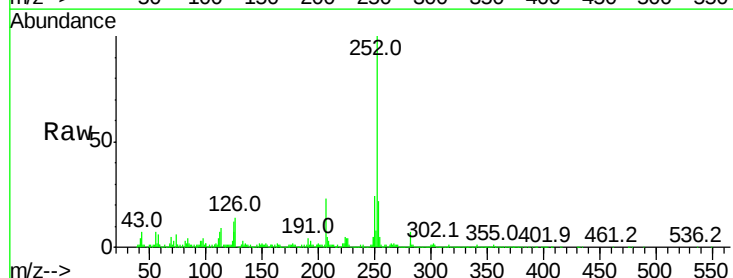
Tgt Ion:252 Resp: 935030

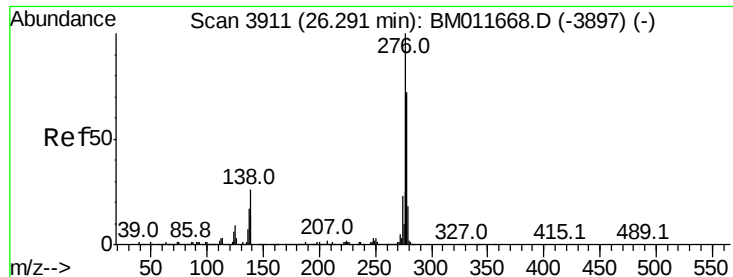
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 12.2 5.8 8.6#



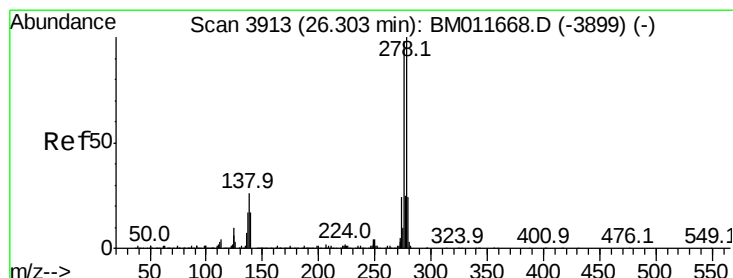
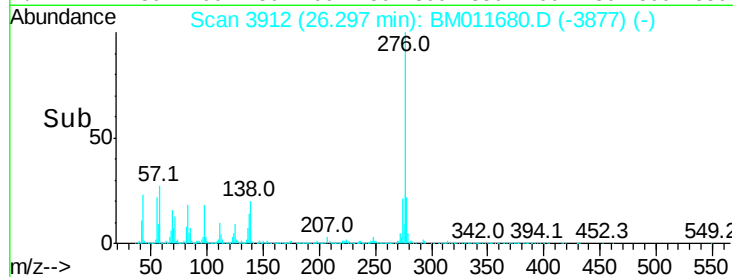
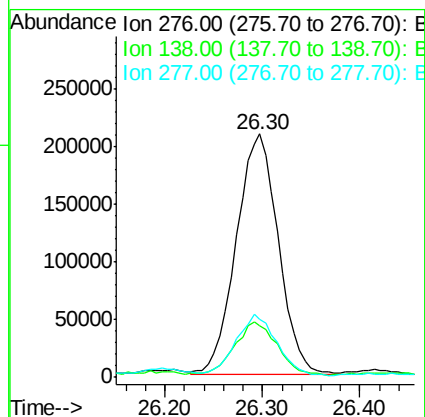
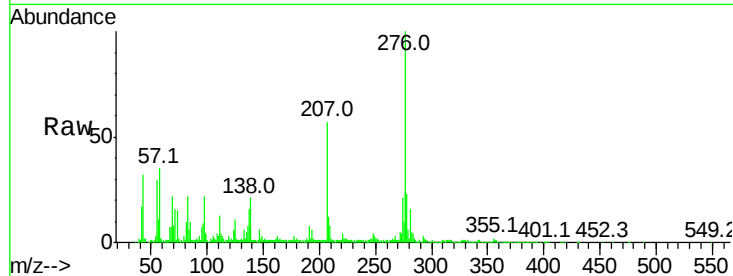


#92

Indeno(1,2,3-cd)pyrene
Concen: 5.745 ng/ul
RT: 26.30 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

Instrument :
BNA_M
ClientSampleId :

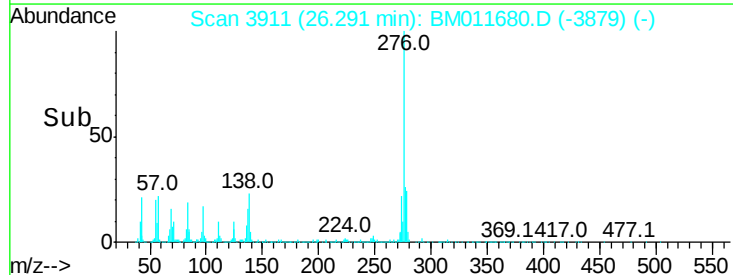
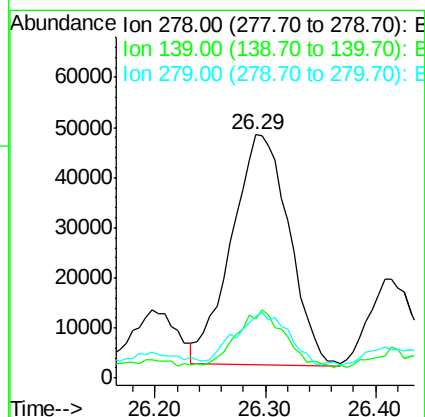
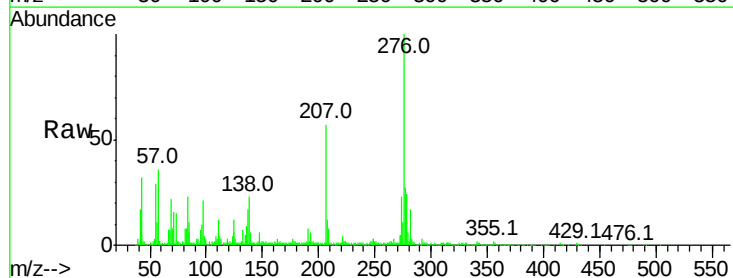
Tot Ion:276 Resp: 625554
Ion Ratio Lower Upper
276 100
138 21.1 10.9 16.3#
277 24.0 18.9 28.3

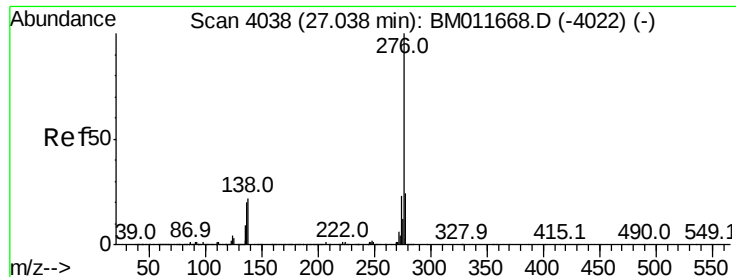


#93

Dibenzo(a,h)anthracene
Concen: 1.808 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM011680.D
Acq: 22 Sep 2017 07:08

Tgt Ion:278 Resp: 166946
Ion Ratio Lower Upper
278 100
139 24.3 9.0 13.4#
279 25.6 19.1 28.7





#94

Benzo(a,h,i)perylene

Concen: 6.377 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM011680.D

Acq: 22 Sep 2017 07:08

Instrument :

BNA_M

ClientSampleId :

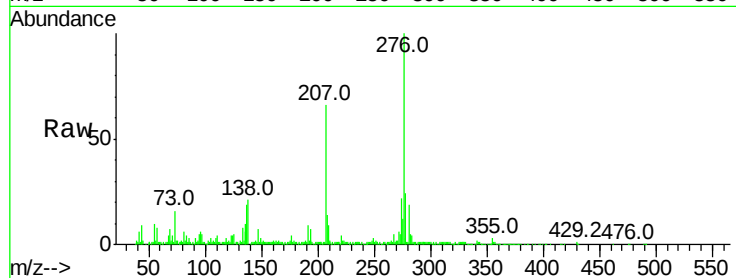
Tot Ion:276 Resp: 562377

Ion Ratio Lower Upper

276 100

138 21.0 11.2 16.8#

277 24.0 19.0 28.6



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

