

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011677.D
 Acq On : 22 Sep 2017 05:20
 Operator : SJ/JU
 Sample : I5284-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:45:59 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	564398	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	2596572	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1441547	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	3106810	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2501534	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1983393	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	11696	0.93	ng/uL	0.00
5) Phenol-d5	7.11	99	334470	6.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	353459	9.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	302570	7.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	219882	5.20	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	1302	0.07	ng/ul	0.07
22) 2-Nitrophenol-d4	9.85	143	112328	5.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	227564	5.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.91	131	11822	0.26	ng/ul	0.01
44) Dimethylphthalate-d6	13.99	166	948101	7.78	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1466026	9.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.79	143	4023	0.18	ng/ul	0.02
58) Fluorene-d10	15.58	176	1038840	9.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	8614	0.48	ng/ul	0.00
71) Anthracene-d10	17.43	188	1518217	9.92	ng/ul	0.00
79) Pyrene-d10	19.72	212	1625024	13.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	972195	10.29	ng/ul	0.00

Target Compounds

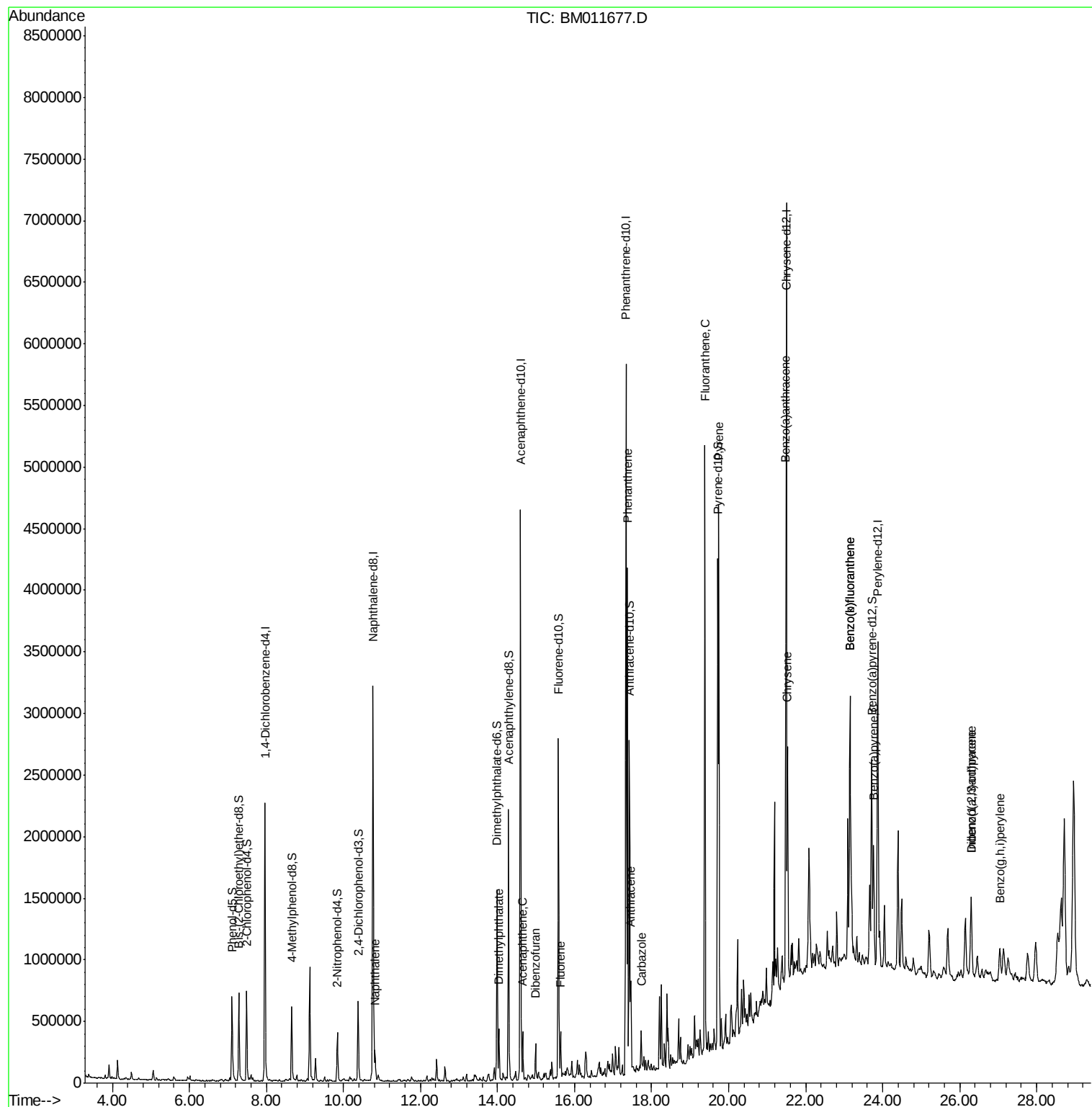
					Ovalue	
28) Naphthalene	10.82	128	182907	1.358	ng/ul	99
45) Dimethylphthalate	14.04	163	234565	2.010	ng/ul#	97
50) Acenaphthene	14.66	153	148955	1.486	ng/ul	100
54) Dibenzofuran	14.99	168	148010	1.056	ng/ul	97
59) Fluorene	15.63	166	155477	1.323	ng/ul	97
70) Phenanthrene	17.37	178	2308062	13.328	ng/ul	100
72) Anthracene	17.46	178	484411	2.726	ng/ul	99
75) Carbazole	17.73	167	192359	1.269	ng/ul#	96
77) Fluoranthene	19.39	202	2970874	16.679	ng/ul#	93
80) Pyrene	19.74	202	2500617	17.133	ng/ul#	88
83) Benzo(a)anthracene	21.48	228	1102122	8.002	ng/ul	99
85) Chrysene	21.53	228	984681	7.886	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	1122536	9.408	ng/ul#	93
89) Benzo(k)fluoranthene	23.15	252	1122536	9.796	ng/ul#	93
91) Benzo(a)pyrene	23.76	252	680613	6.043	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	26.30	276	427686	3.452	ng/ul#	92
93) Dibenzo(a,h)anthracene	26.29	278	116886	1.113	ng/ul#	88
94) Benzo(g,h,i)perylene	27.04	276	361171	3.600	ng/ul#	92

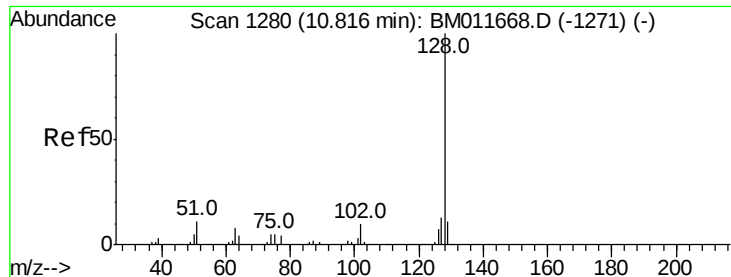
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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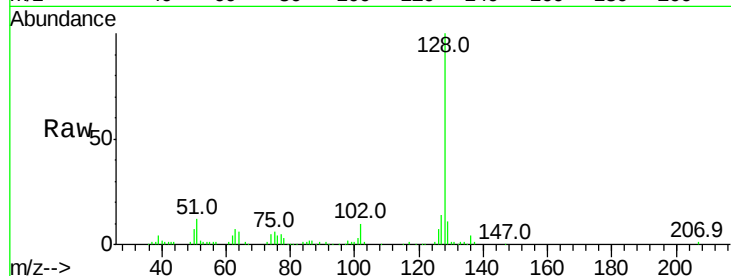




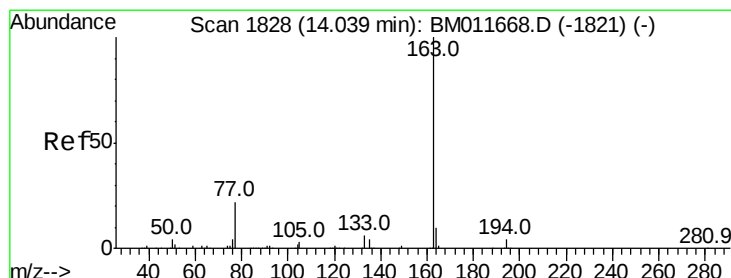
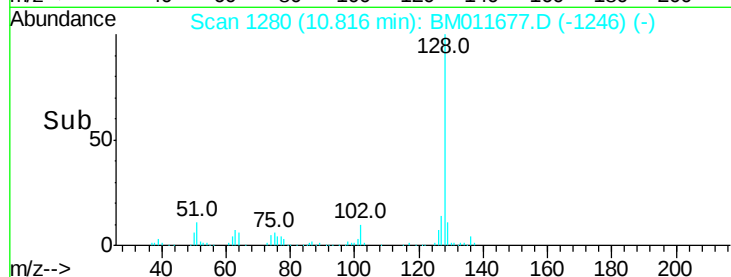
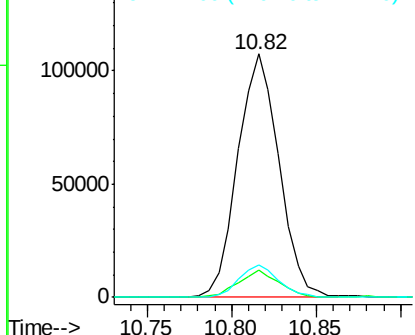
#28
Naphthalene
Concen: 1.358 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.5	10.8	16.2

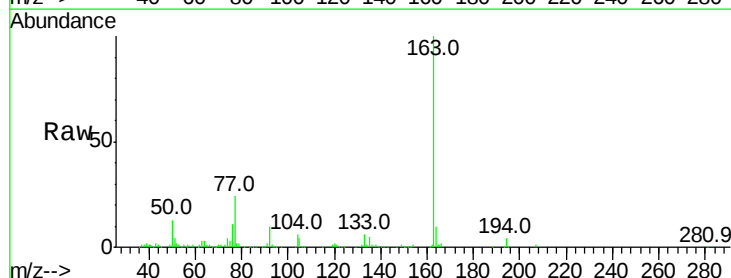


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

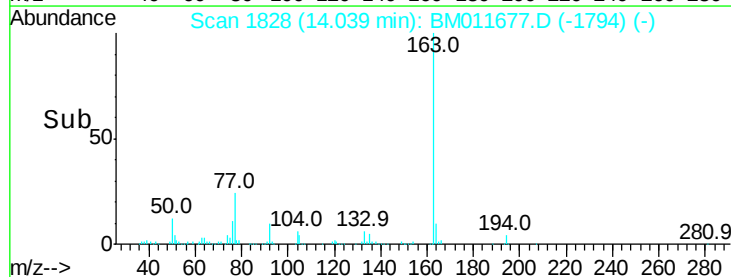
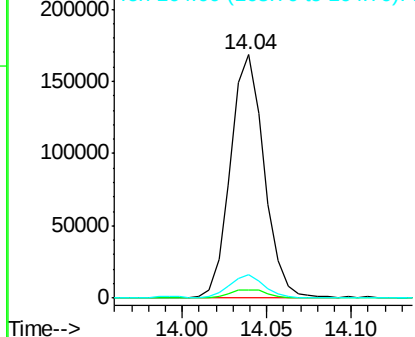


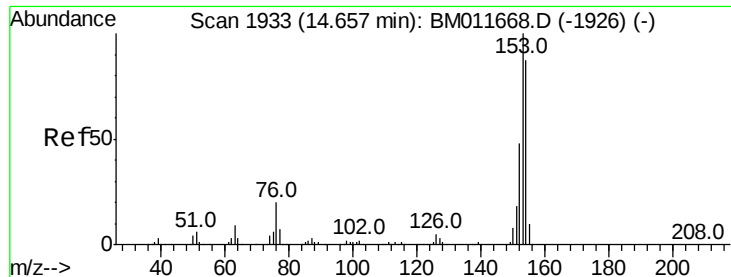
#45
Dimethylphthalate
Concen: 2.010 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BM011677.D
Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	4.0	6.0#
164	9.7	8.4	12.6



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





#50

Acenaphthene

Concen: 1.486 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampleId :

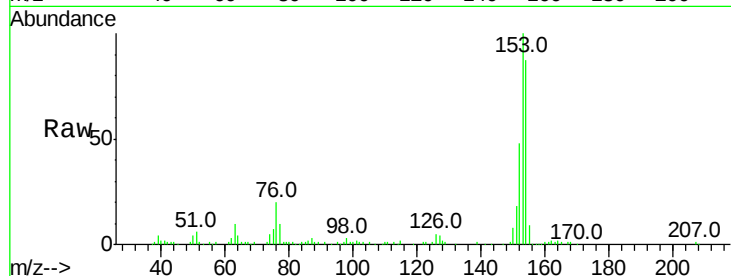
Tot Ion:153 Resp: 148955

Ion Ratio Lower Upper

153 100

152 48.0 37.9 56.9

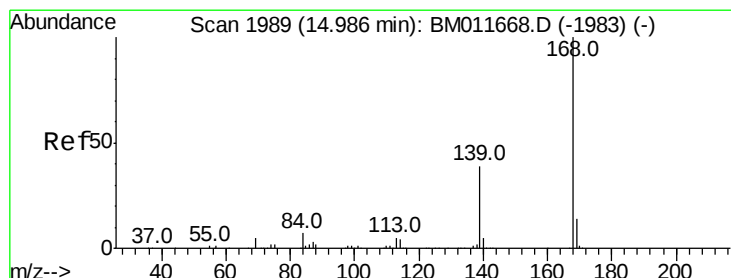
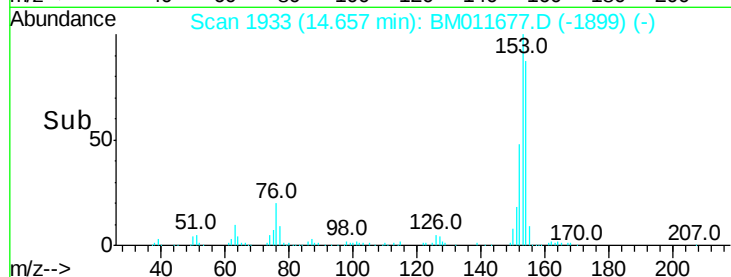
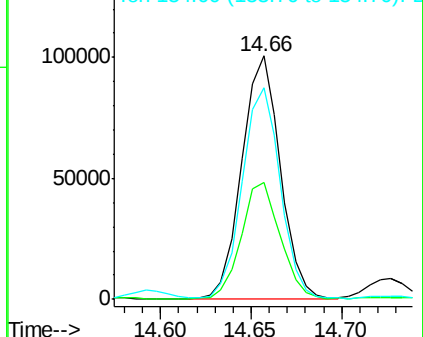
154 87.1 69.8 104.6



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: 1.056 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BM011677.D

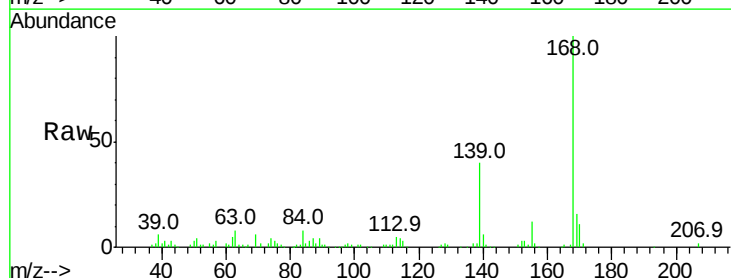
Acq: 22 Sep 2017 05:20

Tgt Ion:168 Resp: 148010

Ion Ratio Lower Upper

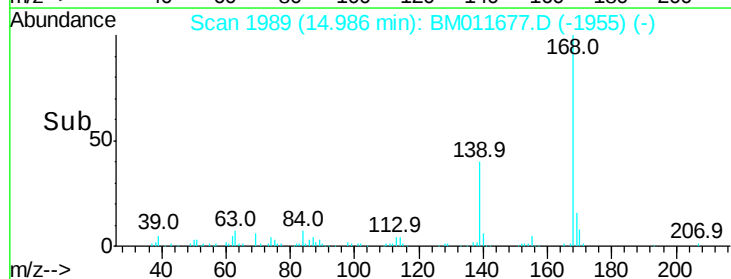
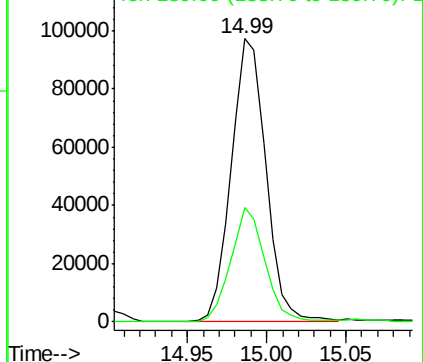
168 100

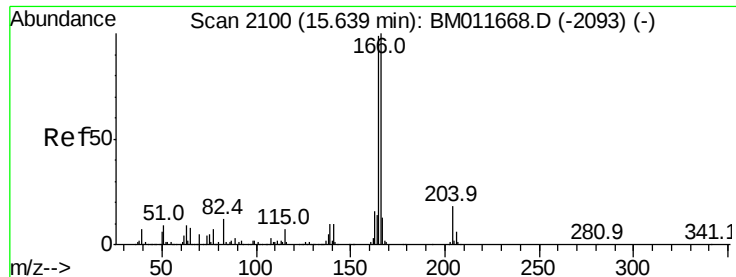
139 40.3 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.323 ng/ul

RT: 15.63 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

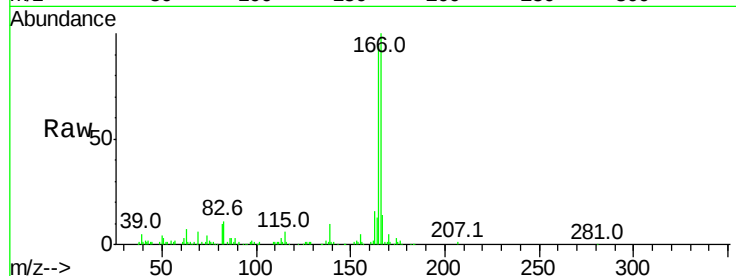
Instrument :

BNA_M

ClientSampleId :

Tot Ion:166 Resp: 155477

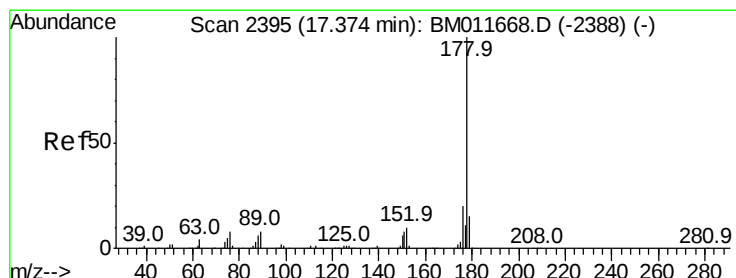
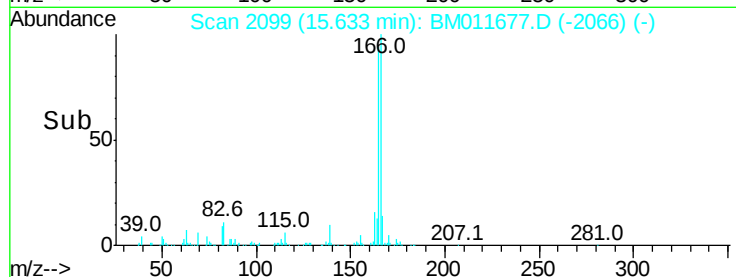
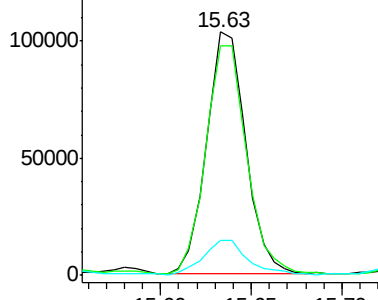
Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.4	117.6
167	14.3	11.1	16.7



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: 13.328 ng/ul

RT: 17.37 min Scan# 2395

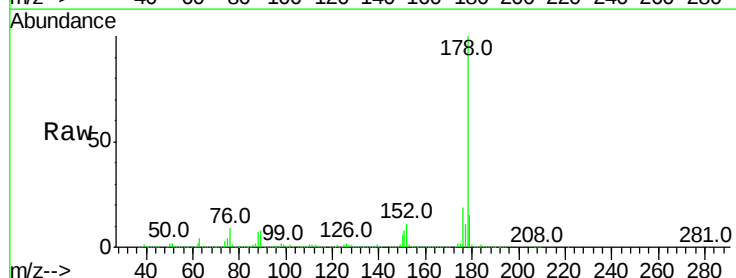
Delta R.T. -0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Tgt Ion:178 Resp: 2308062

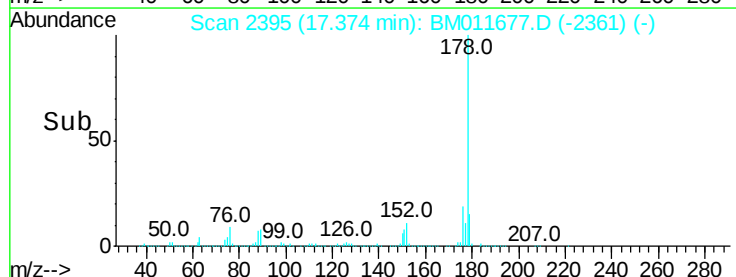
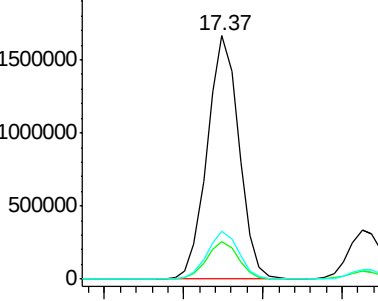
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.4	15.4	23.0

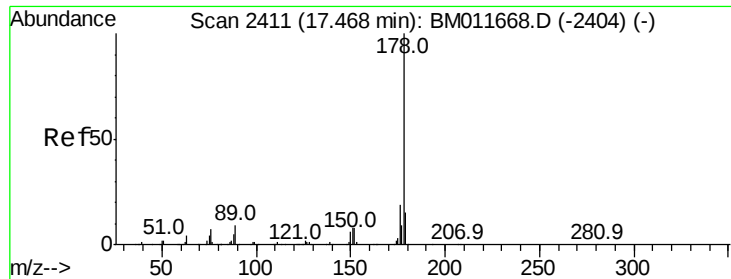


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

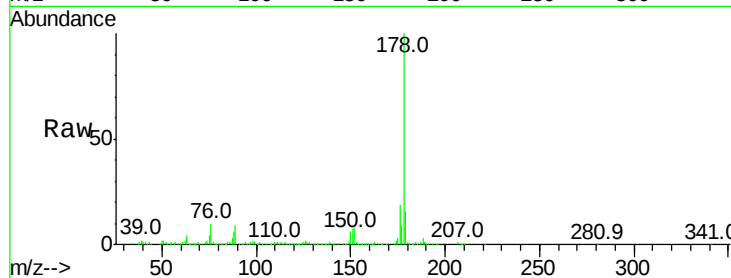




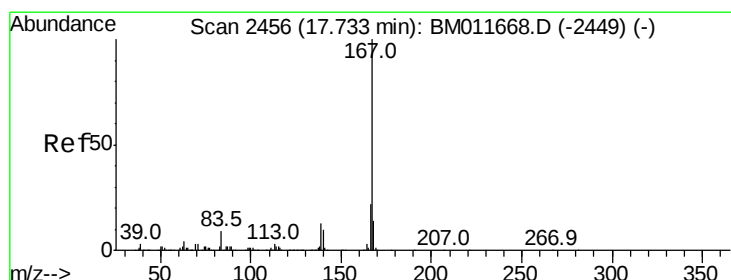
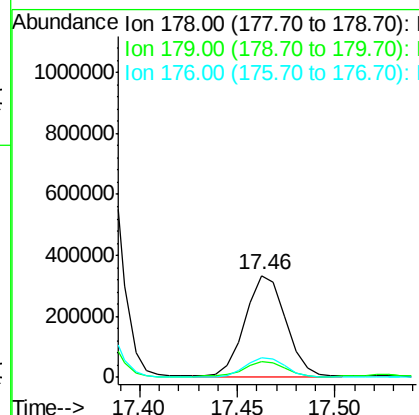
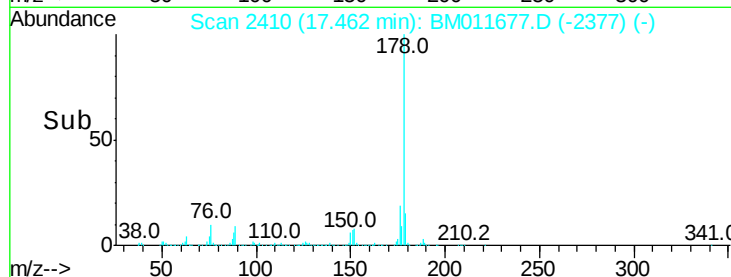
#72
 Anthracene
 Concen: 2.726 ng/ul
 RT: 17.46 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BM011677.D
 Acq: 22 Sep 2017 05:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	19.4	15.4	23.0

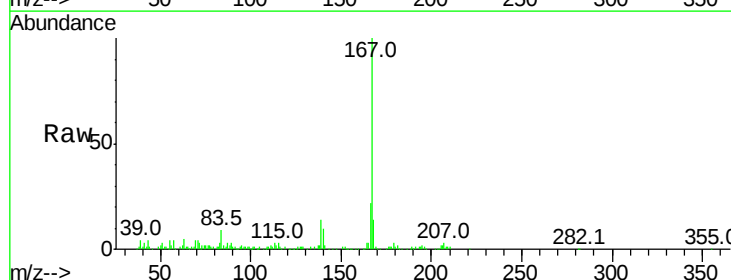


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

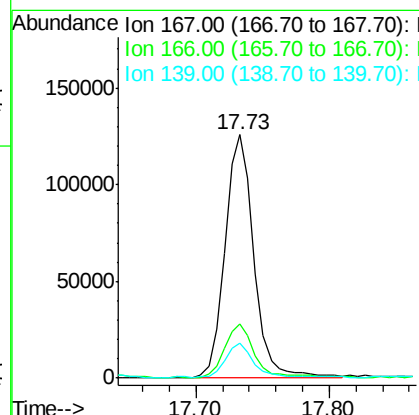
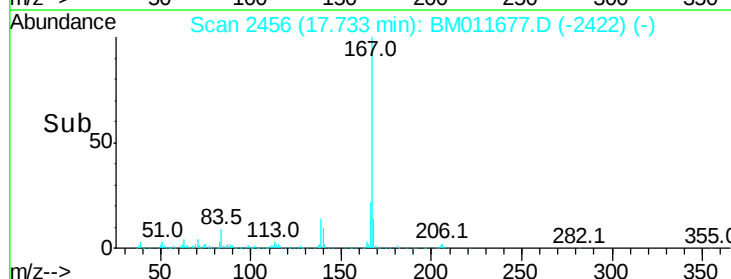


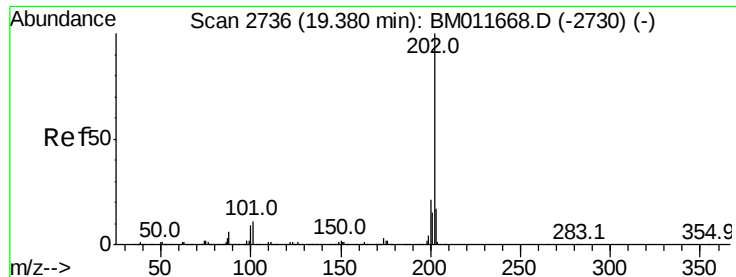
#75
 Carbazole
 Concen: 1.269 ng/ul
 RT: 17.73 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BM011677.D
 Acq: 22 Sep 2017 05:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.4
139	14.4	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: 16.679 ng/ul

RT: 19.39 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampleId :

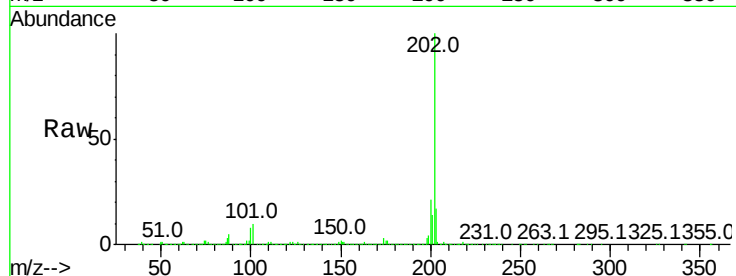
Tot Ion:202 Resp: 2970874

Ion Ratio Lower Upper

202 100

101 10.2 6.1 9.1#

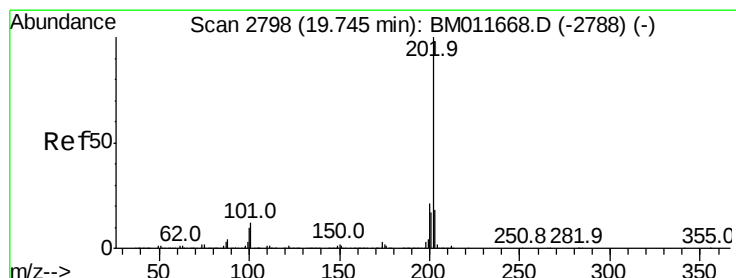
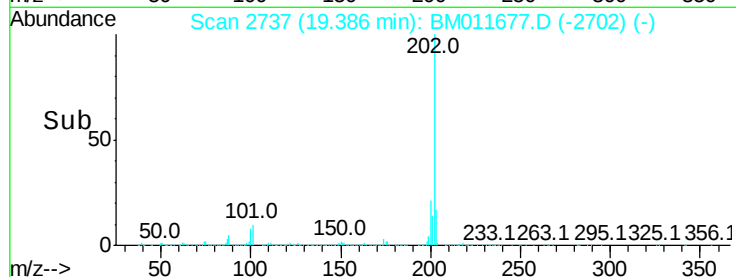
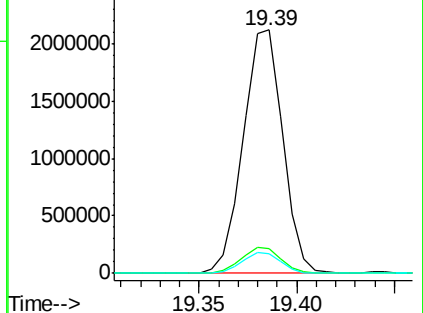
100 7.9 4.6 7.0#



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: 17.133 ng/ul

RT: 19.74 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

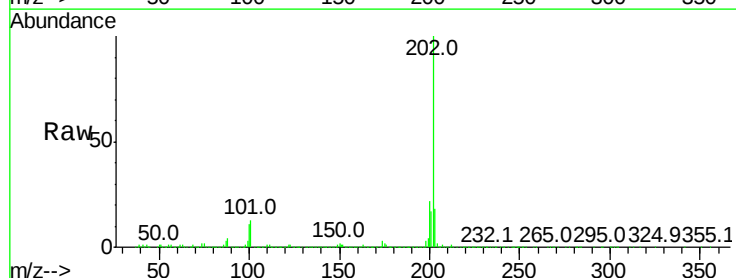
Tgt Ion:202 Resp: 2500617

Ion Ratio Lower Upper

202 100

101 13.1 6.9 10.3#

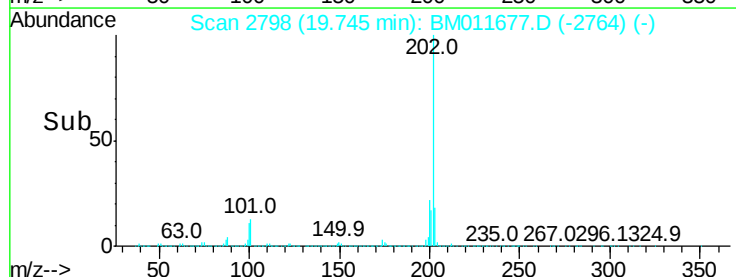
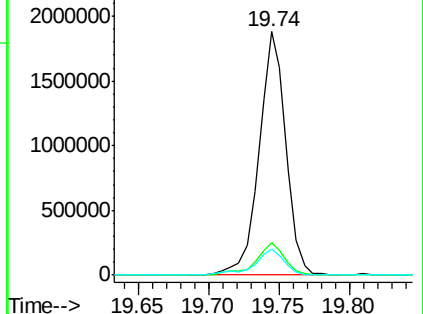
100 10.6 5.6 8.4#

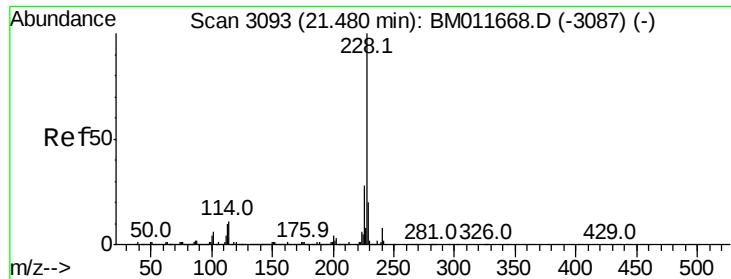


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 8.002 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampled :

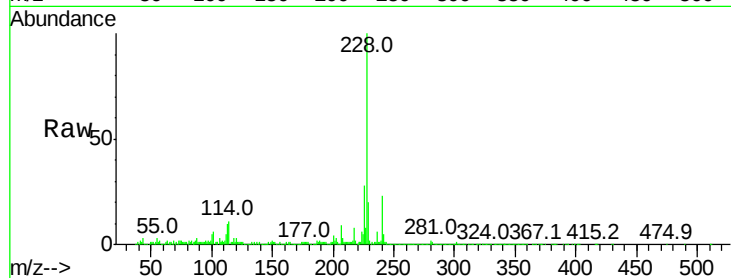
Tot Ion:228 Resp: 1102122

Ion Ratio Lower Upper

228 100

229 20.5 16.0 24.0

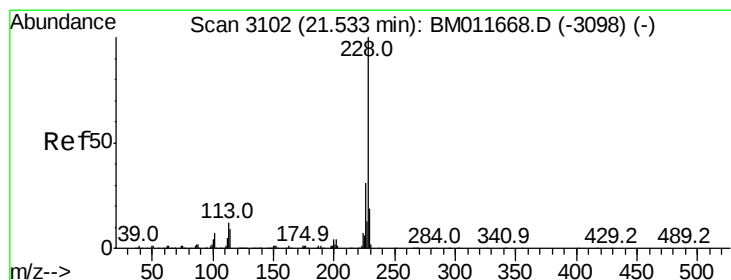
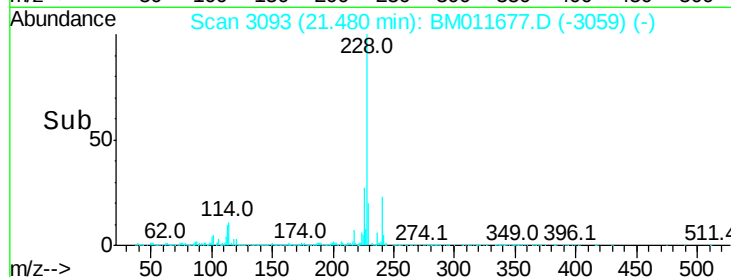
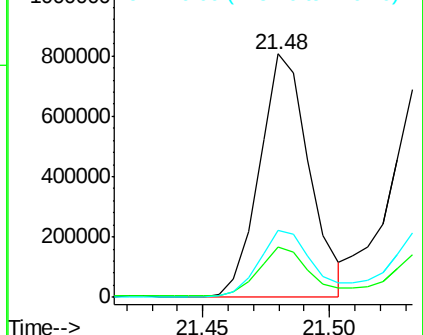
226 27.8 21.8 32.8



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



#85

Chrysene

Concen: 7.886 ng/ul

RT: 21.53 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

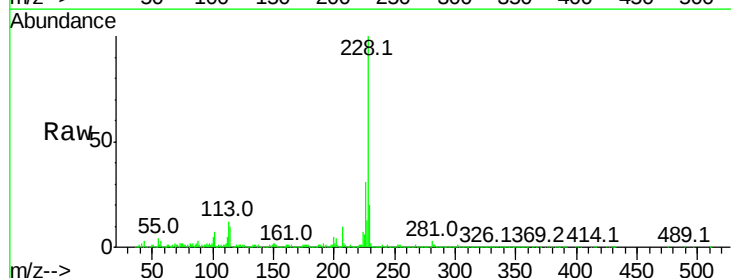
Tgt Ion:228 Resp: 984681

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

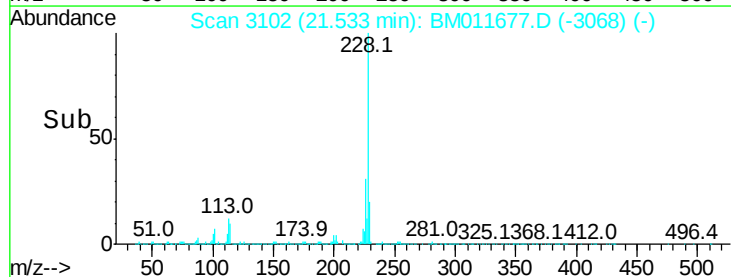
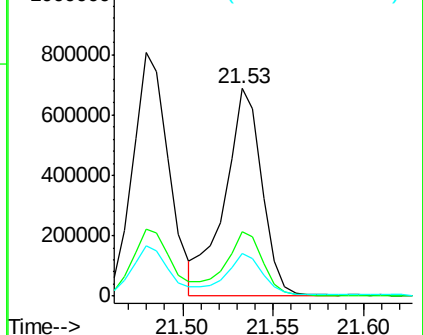
229 20.5 16.0 24.0

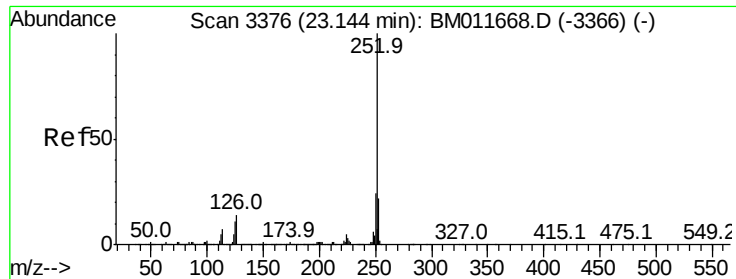


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 9.408 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampleId :

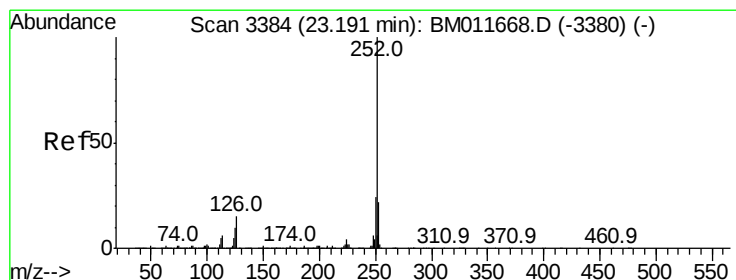
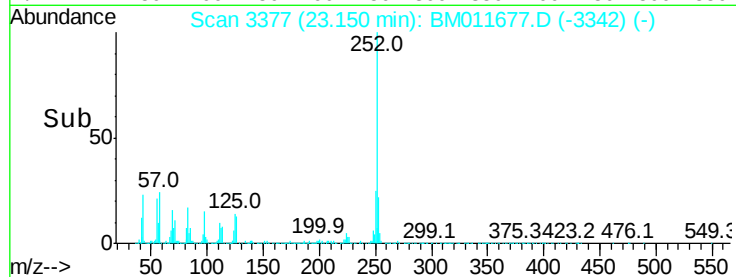
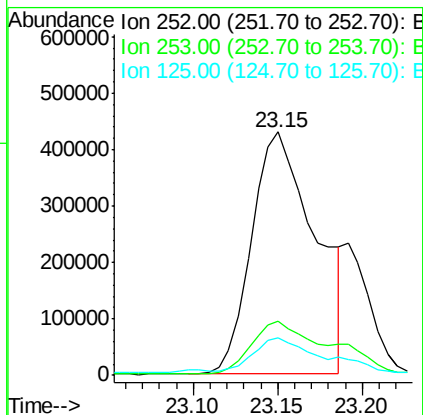
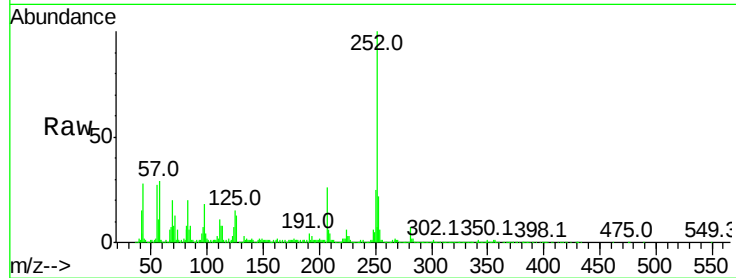
Tot Ion:252 Resp: 1122536

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 15.4 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 9.796 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

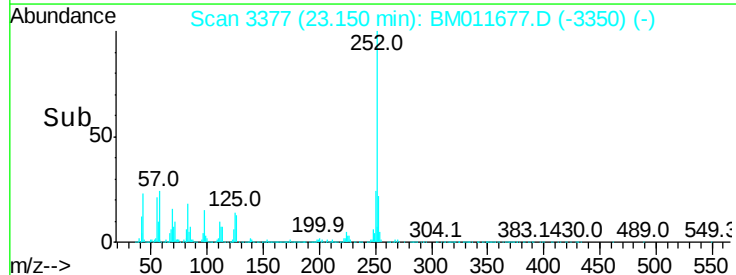
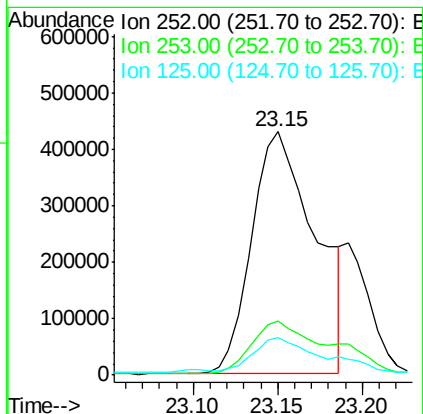
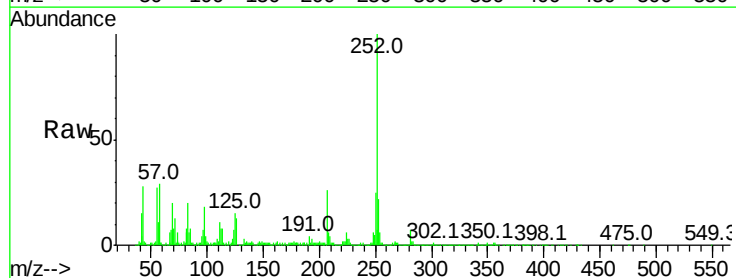
Tgt Ion:252 Resp: 1122536

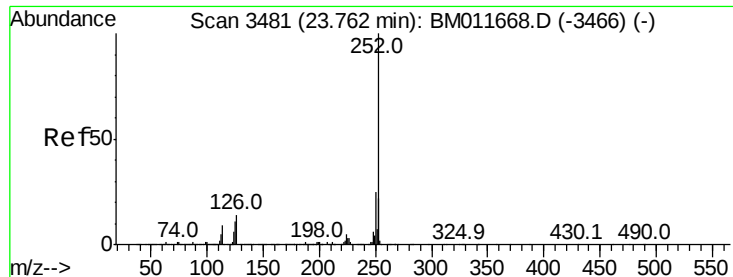
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 15.4 5.4 8.0#





#91

Benzo(a)pyrene

Concen: 6.043 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. -0.00 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampled :

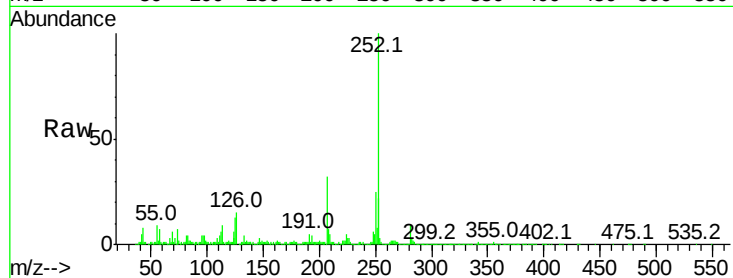
Tot Ion:252 Resp: 680613

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

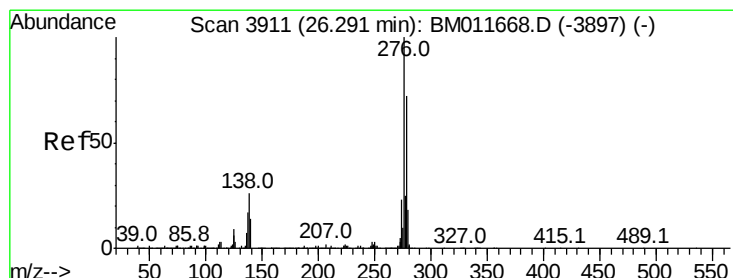
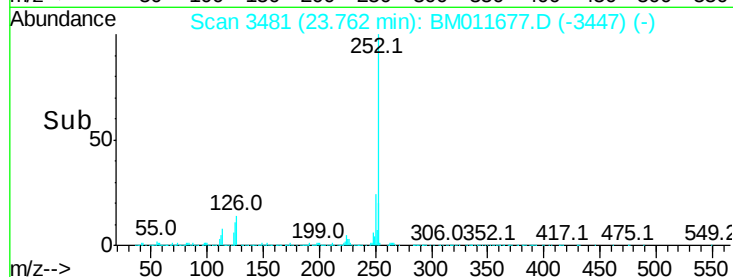
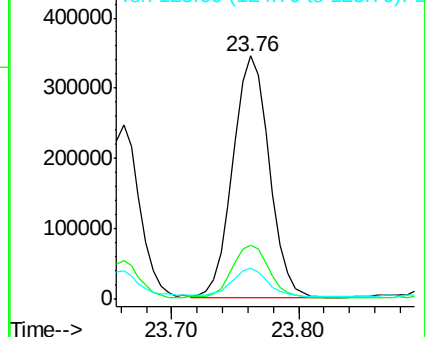
125 12.7 5.8 8.6#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.452 ng/ul

RT: 26.30 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

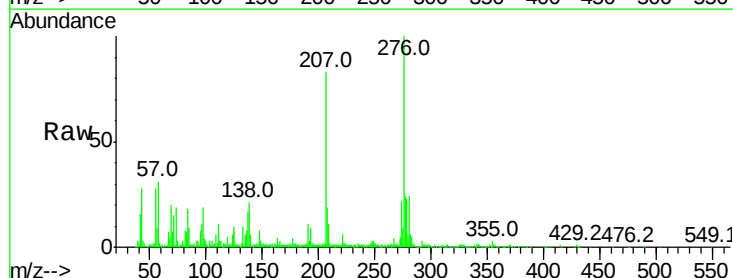
Tgt Ion:276 Resp: 427686

Ion Ratio Lower Upper

276 100

138 21.4 10.9 16.3#

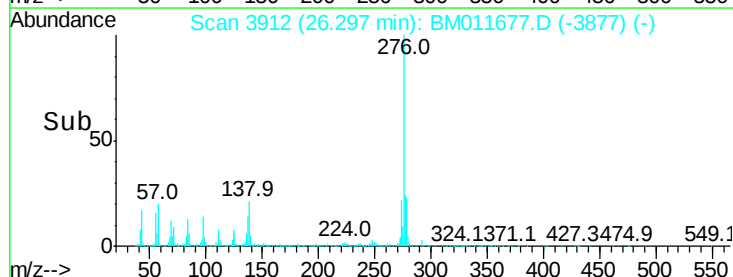
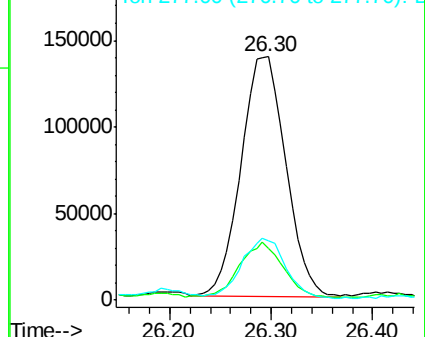
277 24.2 18.9 28.3

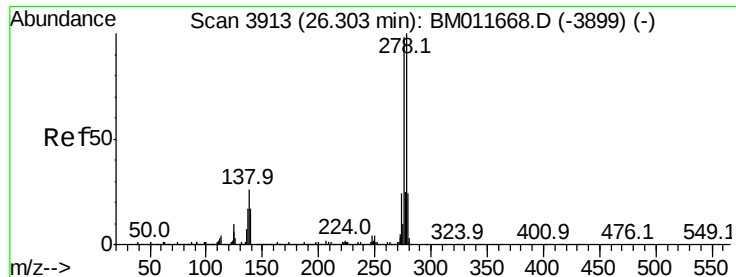


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.113 ng/ul

RT: 26.29 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Instrument :

BNA_M

ClientSampleId :

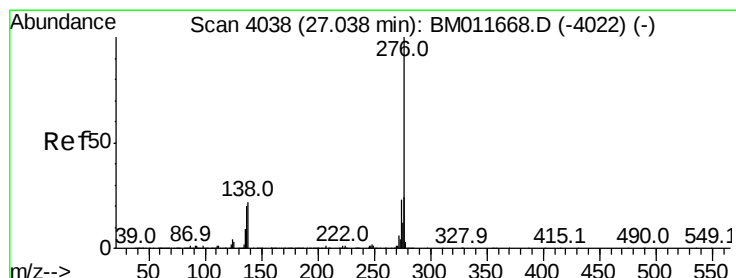
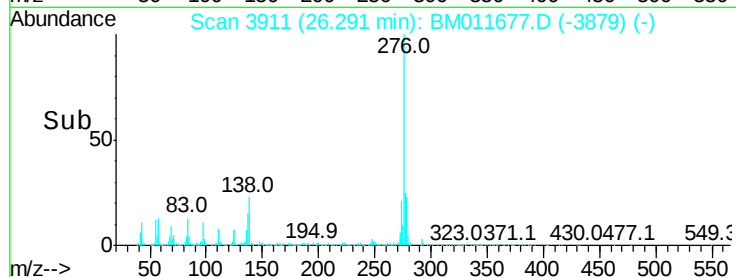
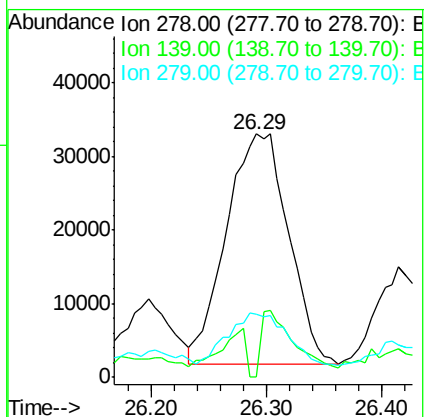
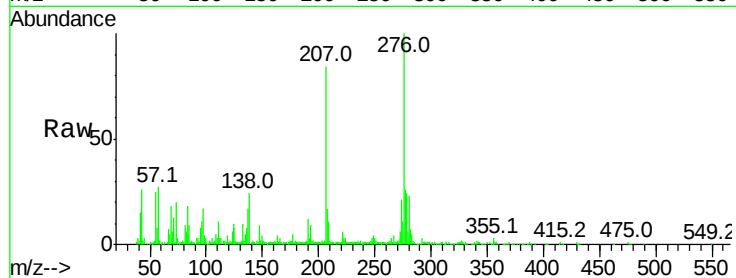
Tot Ion:278 Resp: 116886

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

279 25.8 19.1 28.7



#94

Benzo(g,h,i)perylene

Concen: 3.600 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM011677.D

Acq: 22 Sep 2017 05:20

Tgt Ion:276 Resp: 361171

Ion Ratio Lower Upper

276 100

138 22.3 11.2 16.8#

277 24.1 19.0 28.6

