

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011671.D
 Acq On : 22 Sep 2017 01:42
 Operator : SJ/JU
 Sample : I5283-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:44:18 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	451589	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	2073192	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1168331	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2533235	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2283245	20.00	ng/ul	0.00
86) Perylene-d12	23.86	264	1751960	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	27350	2.72	ng/uL	0.00
5) Phenol-d5	7.11	99	651076	15.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	526589	18.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	534392	16.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	431968	12.76	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	269138	17.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	287421	17.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	502302	15.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	113255	3.12	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1710927	17.32	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2055006	17.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	133097	7.17	ng/ul	0.00
58) Fluorene-d10	15.58	176	1472624	17.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	180109	12.22	ng/ul	0.00
71) Anthracene-d10	17.43	188	2202179	17.65	ng/ul	0.00
79) Pyrene-d10	19.72	212	2551981	23.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	1553699	18.61	ng/ul	0.00

Target Compounds

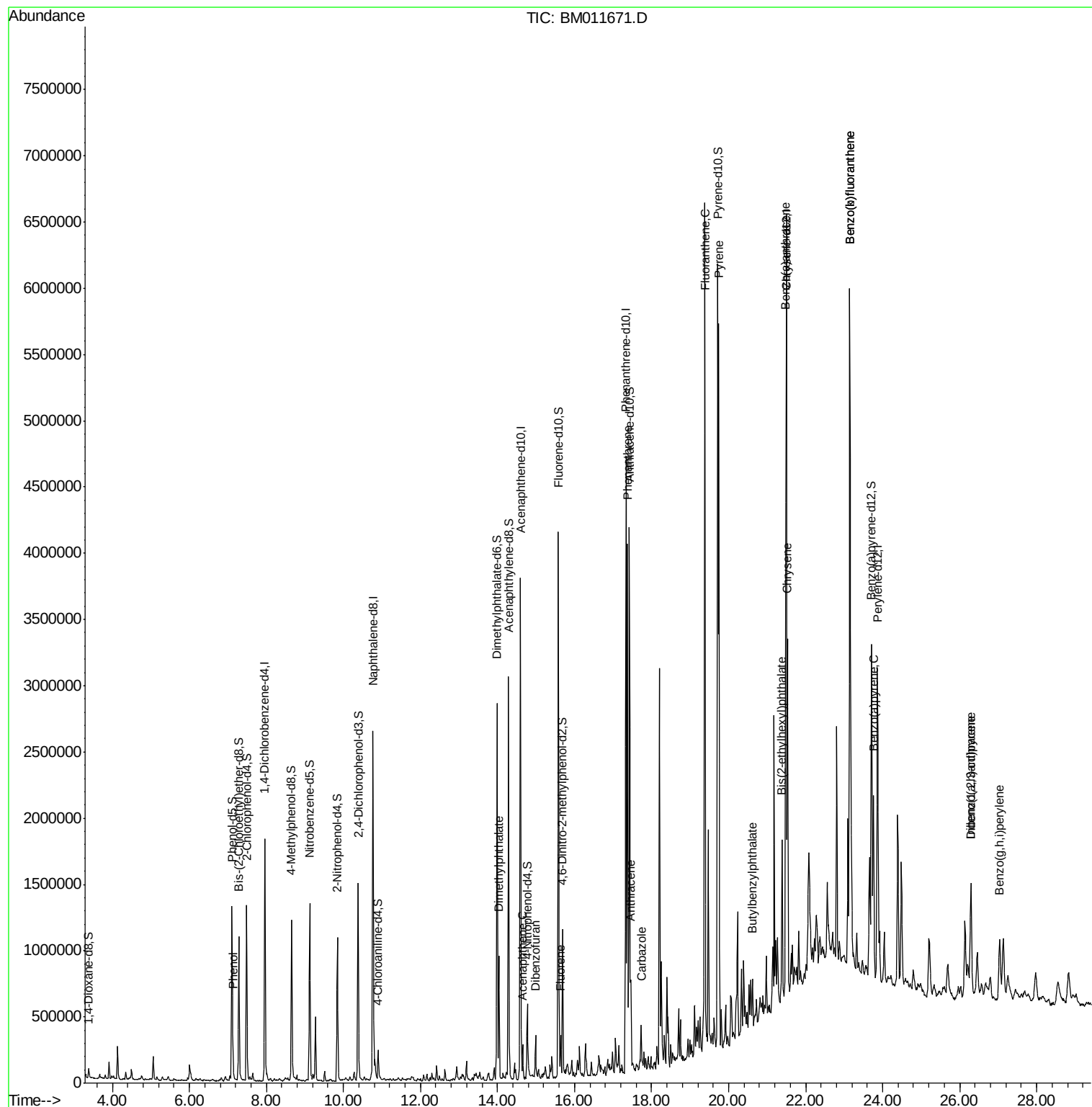
				Ovalue	
6) Phenol	7.13	94	46302	1.076 ng/ul#	82
45) Dimethylphthalate	14.04	163	530507	5.610 ng/ul#	98
50) Acenaphthene	14.65	153	98843	1.217 ng/ul	98
54) Dibenzofuran	14.99	168	119234	1.049 ng/ul	99
59) Fluorene	15.63	166	126821	1.332 ng/ul	99
70) Phenanthrene	17.37	178	2231781	15.806 ng/ul	100
72) Anthracene	17.46	178	462107	3.189 ng/ul	97
75) Carbazole	17.73	167	190499	1.541 ng/ul	98
77) Fluoranthene	19.38	202	3539487	24.371 ng/ul#	90
80) Pyrene	19.74	202	3120854	23.427 ng/ul#	88
81) Butylbenzylphthalate	20.62	149	98197	1.603 ng/ul	88
83) Benzo(a)anthracene	21.48	228	1497241	11.910 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	347281	3.691 ng/ul#	95
85) Chrysene	21.53	228	1364069	11.969 ng/ul	100
88) Benzo(b)fluoranthene	23.14	252	1447254	13.732 ng/ul#	90
89) Benzo(k)fluoranthene	23.14	252	1447254	14.298 ng/ul#	89
91) Benzo(a)pyrene	23.76	252	965630	9.707 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.29	276	580143	5.301 ng/ul#	90
93) Dibenzo(a,h)anthracene	26.29	278	158992	1.713 ng/ul#	90
94) Benzo(g,h,i)perylene	27.03	276	580535	6.551 ng/ul#	94

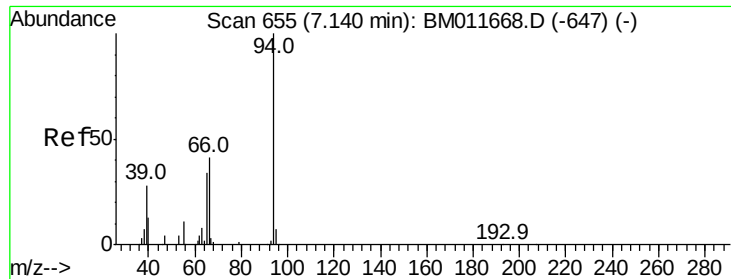
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.076 ng/ul

RT: 7.13 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

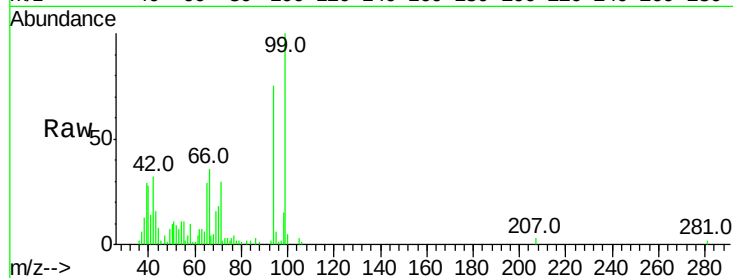
Tot Ion: 94 Resp: 46302

Ion Ratio Lower Upper

94 100

65 38.3 23.0 34.6#

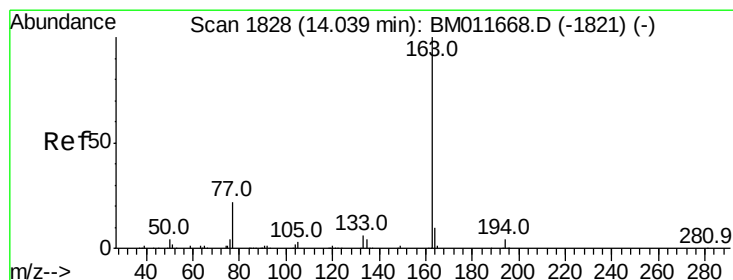
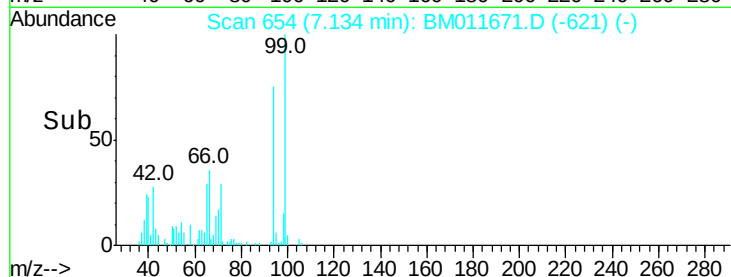
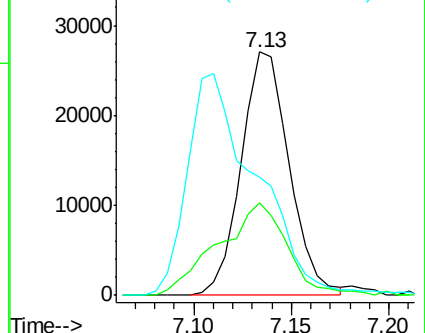
66 48.6 30.4 45.6#



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) (-)



#45

Dimethylphthalate

Concen: 5.610 ng/ul

RT: 14.04 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

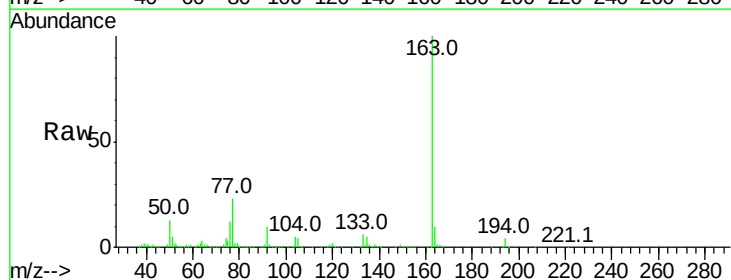
Tgt Ion: 163 Resp: 530507

Ion Ratio Lower Upper

163 100

194 3.7 4.0 6.0#

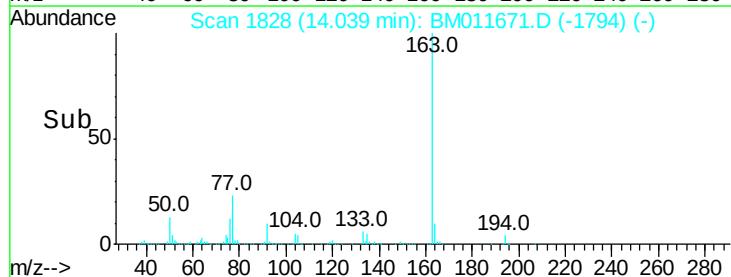
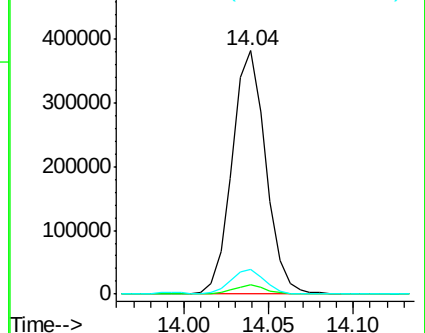
164 10.3 8.4 12.6

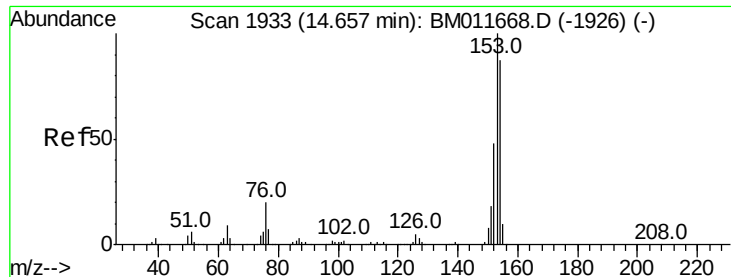


Abundance Ion 163.00 (162.70 to 163.70): BM011668.D (-1821) (-)

Ion 194.00 (193.70 to 194.70): BM011668.D (-1821) (-)

Ion 164.00 (163.70 to 164.70): BM011668.D (-1821) (-)





#50

Acenaphthene

Concen: 1.217 ng/ul

RT: 14.65 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

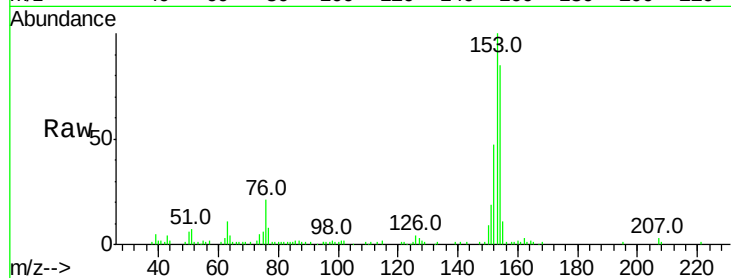
Tot Ion:153 Resp: 98843

Ion Ratio Lower Upper

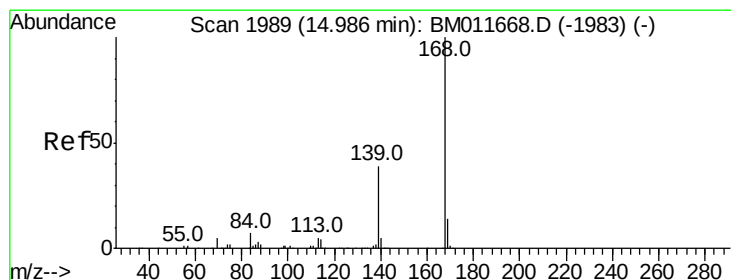
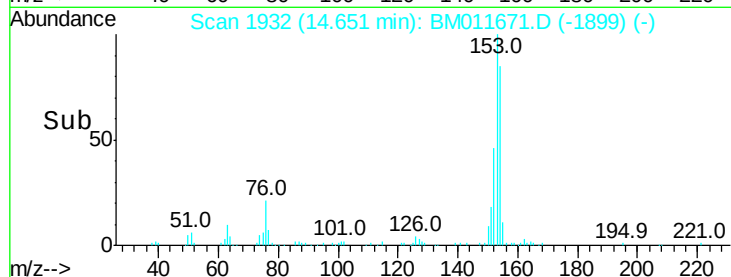
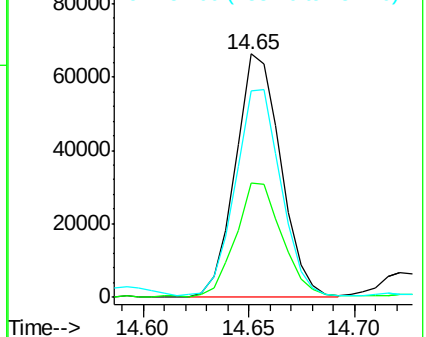
153 100

152 47.0 37.9 56.9

154 84.7 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: 1.049 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM011671.D

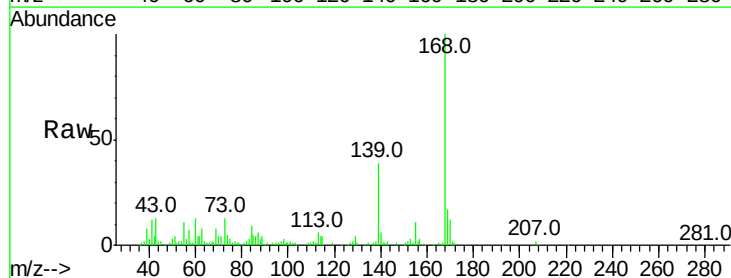
Acq: 22 Sep 2017 01:42

Tgt Ion:168 Resp: 119234

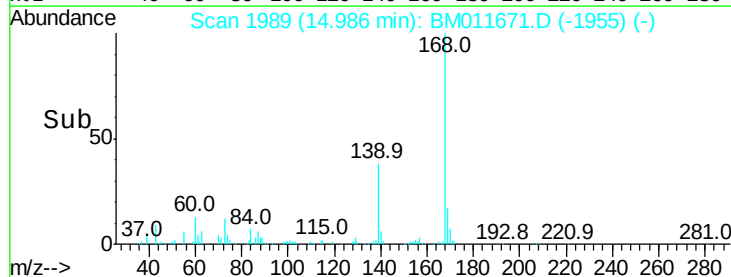
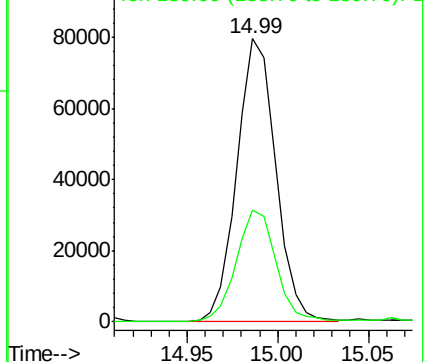
Ion Ratio Lower Upper

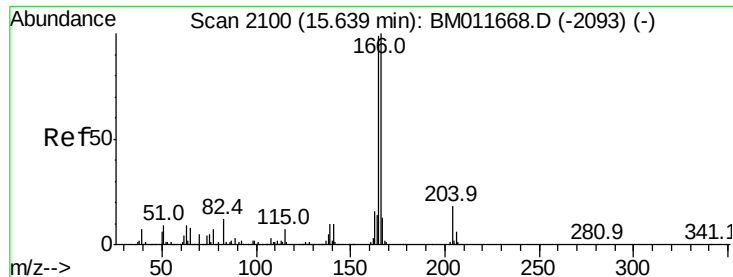
168 100

139 39.5 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: 1.332 ng/ul

RT: 15.63 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

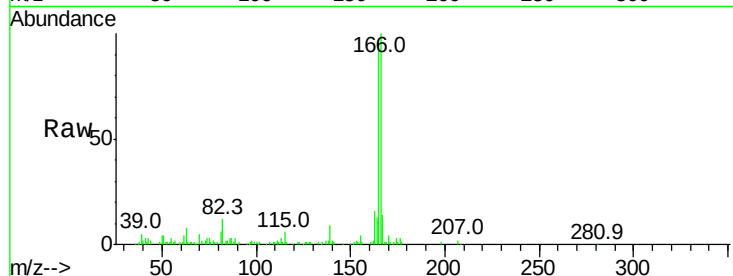
Tot Ion:166 Resp: 126821

Ion Ratio Lower Upper

166 100

165 97.4 78.4 117.6

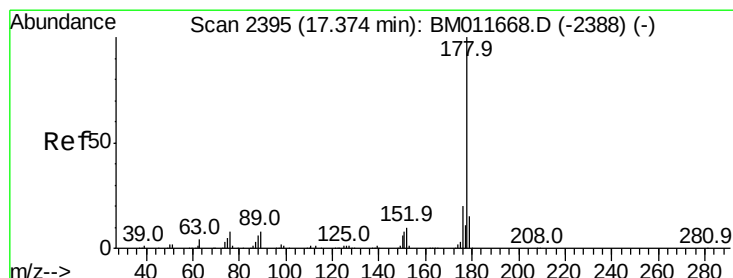
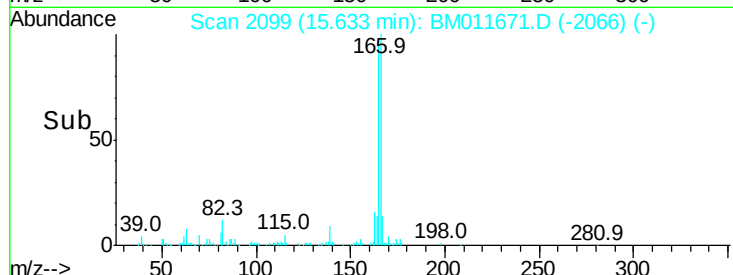
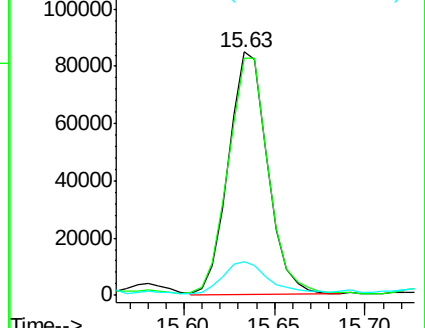
167 14.1 11.1 16.7



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: 15.806 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

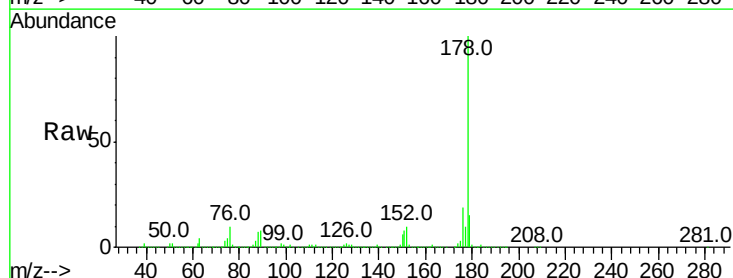
Tgt Ion:178 Resp: 2231781

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

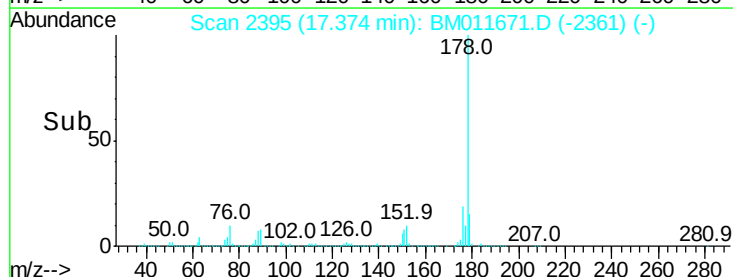
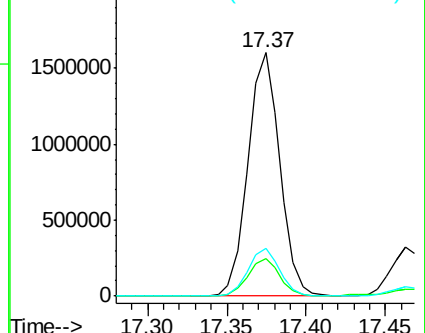
176 19.4 15.4 23.0

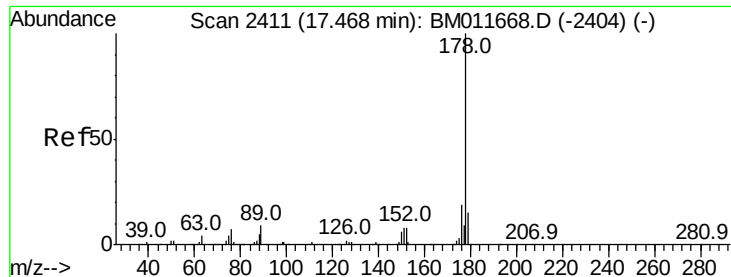


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.189 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

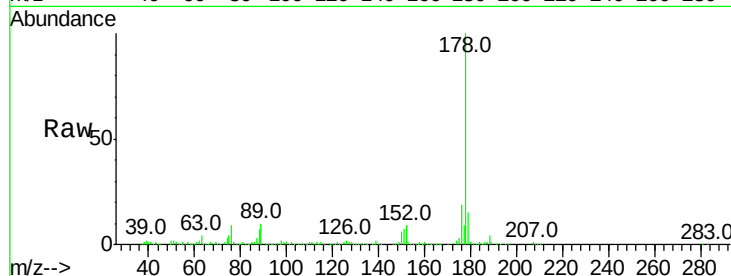
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 462107

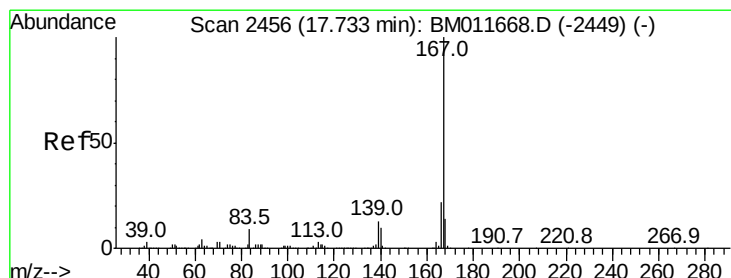
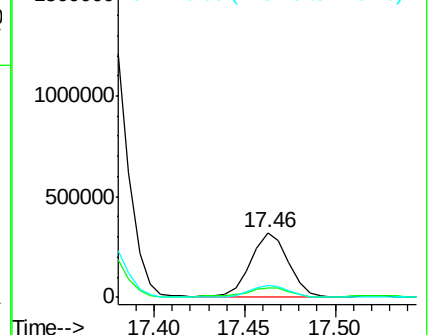
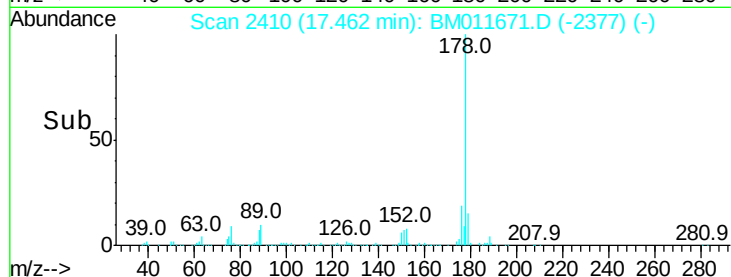
Ion	Ratio	Lower	Upper
178	100		
179	14.8	13.4	20.2
176	18.6	15.4	23.0



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: 1.541 ng/ul

RT: 17.73 min Scan# 2455

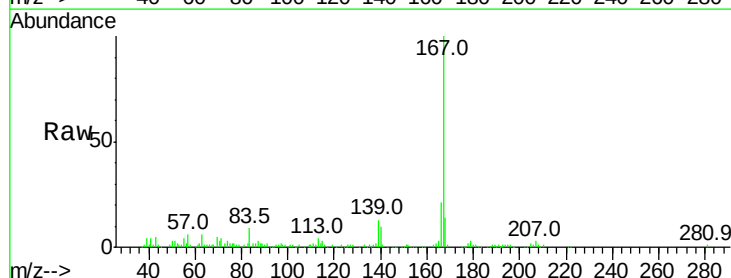
Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Tgt Ion:167 Resp: 190499

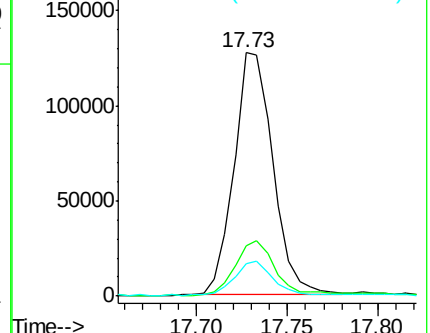
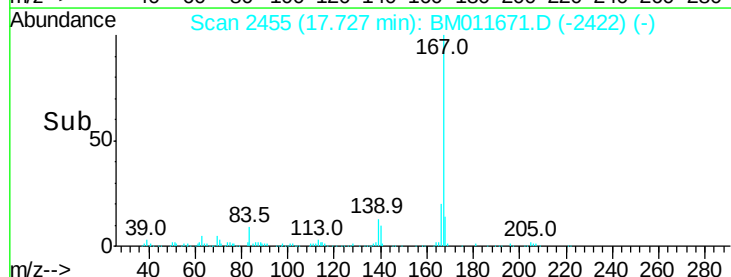
Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.4
139	13.2	9.1	13.7

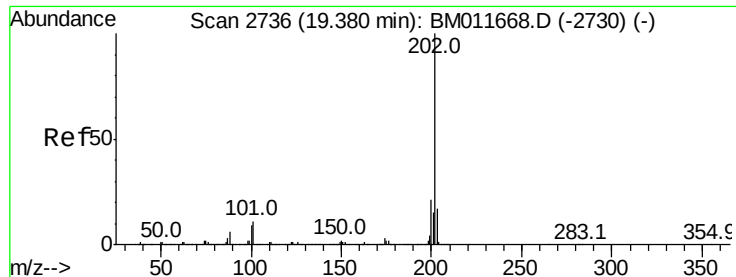


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

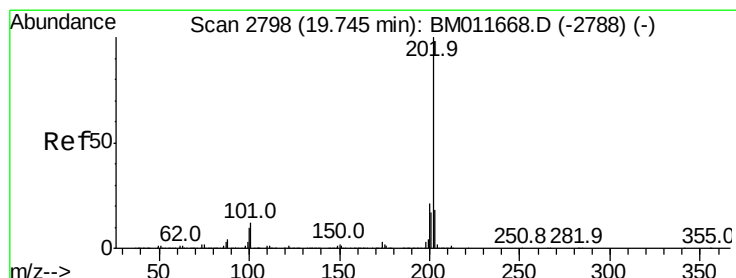
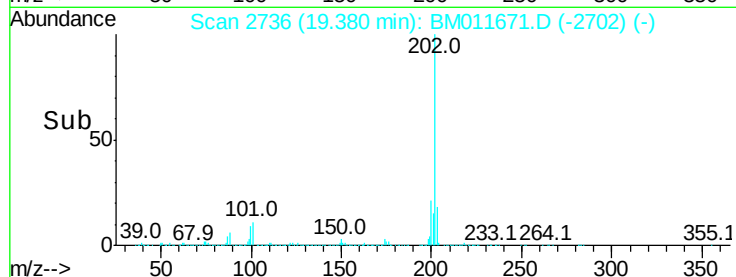
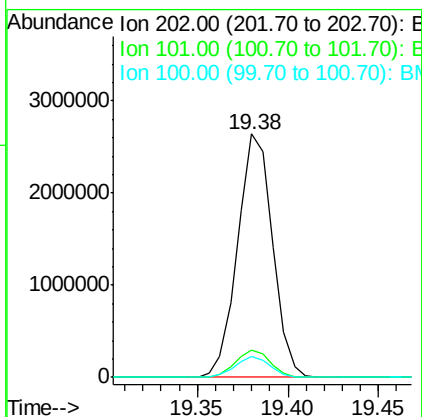
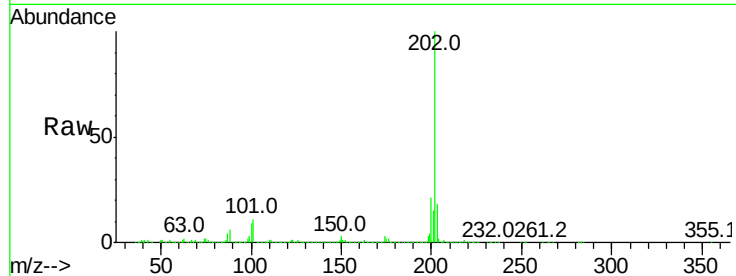




#77
 Fluoranthene
 Concen: 24.371 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. 0.00 min
 Lab File: BM011671.D
 Acq: 22 Sep 2017 01:42

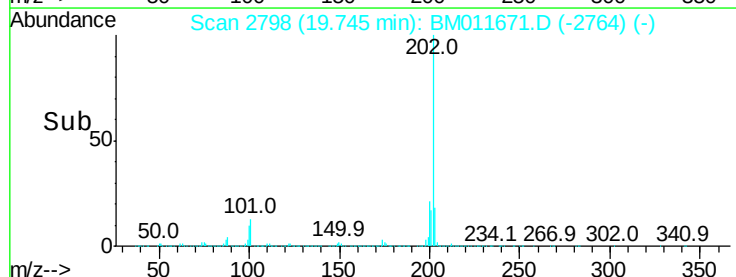
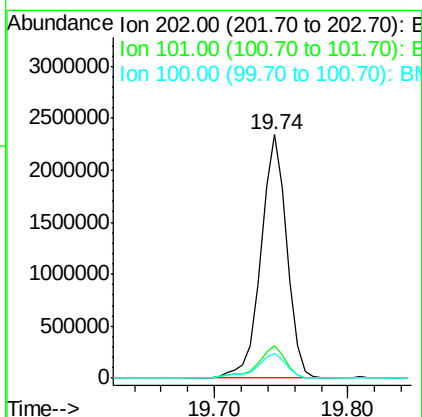
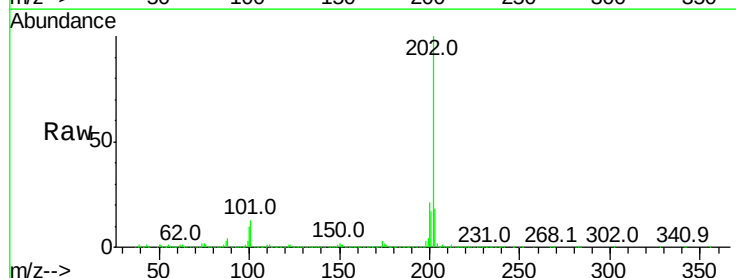
Instrument :
 BNA_M
 ClientSampleId :

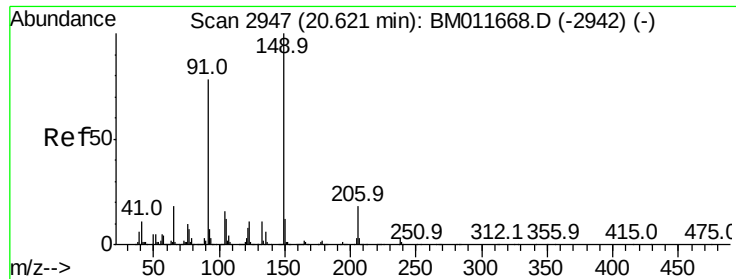
Tot Ion:202 Resp: 3539487
 Ion Ratio Lower Upper
 202 100
 101 11.2 6.1 9.1#
 100 8.7 4.6 7.0#



#80
 Pyrene
 Concen: 23.427 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011671.D
 Acq: 22 Sep 2017 01:42

Tgt Ion:202 Resp: 3120854
 Ion Ratio Lower Upper
 202 100
 101 13.2 6.9 10.3#
 100 10.4 5.6 8.4#

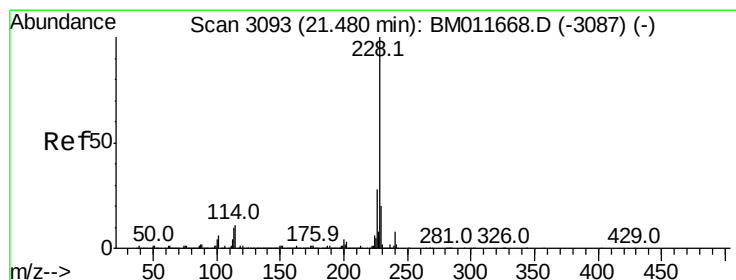
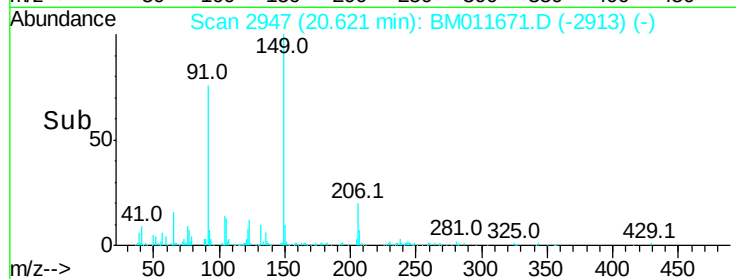
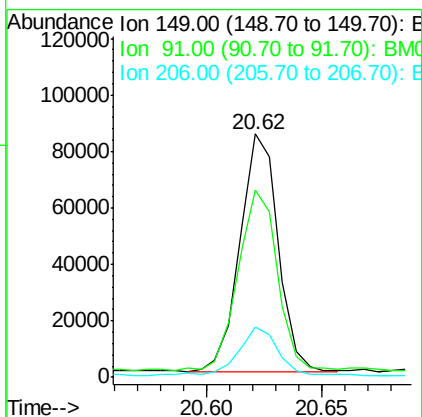
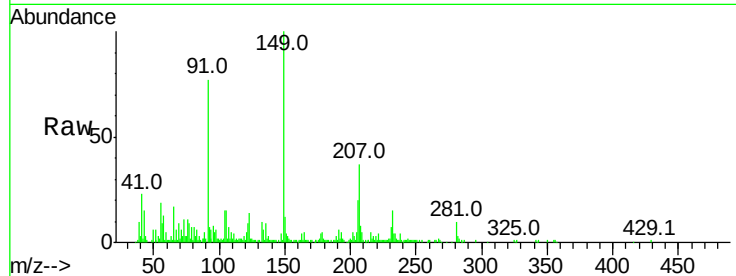




#81
Butylbenzylphthalate
Concen: 1.603 ng/ul
RT: 20.62 min Scan# 2947
Delta R.T. 0.00 min
Lab File: BM011671.D
Acq: 22 Sep 2017 01:42

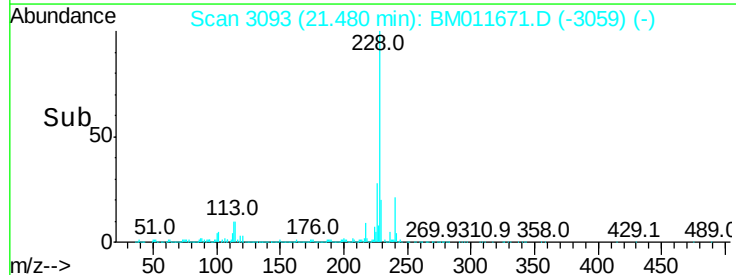
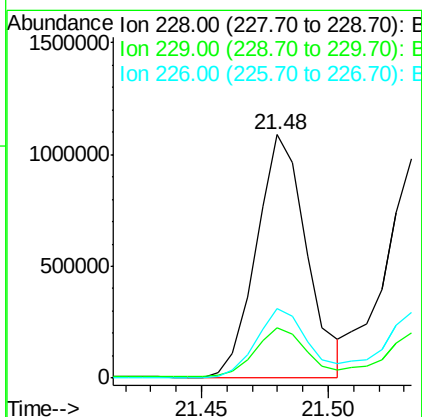
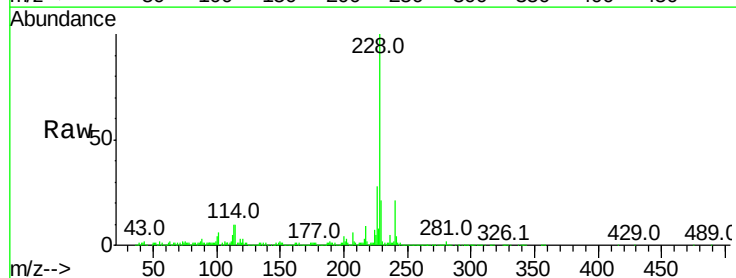
Instrument :
BNA_M
ClientSampleID :

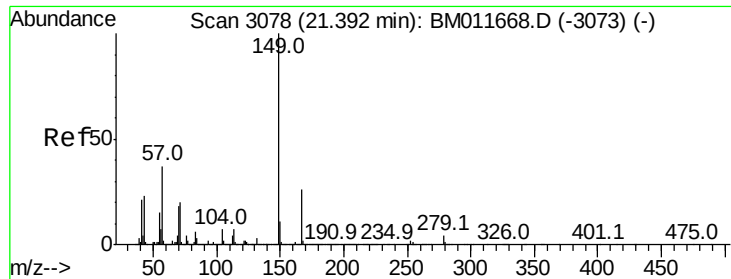
Tot Ion	Ratio	Lower	Upper
149	100		
91	77.2	53.4	80.0
206	20.5	19.3	28.9



#83
Benzo(a)anthracene
Concen: 11.910 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BM011671.D
Acq: 22 Sep 2017 01:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.0	24.0
226	28.4	21.8	32.8

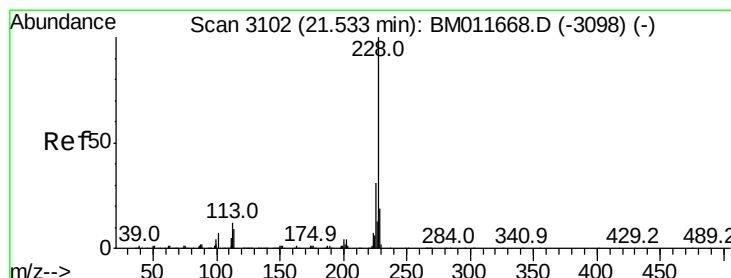
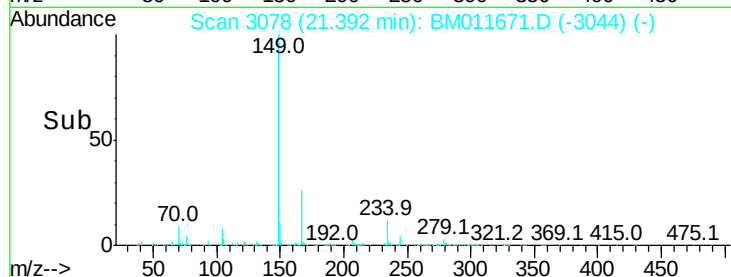
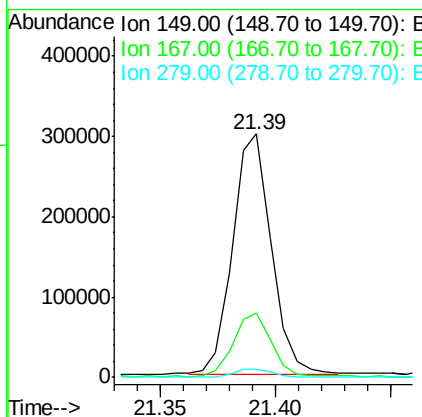
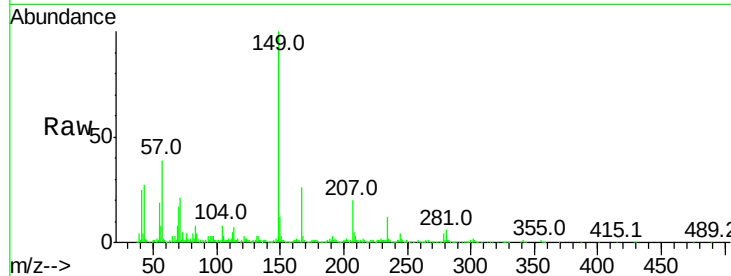




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.691 ng/ul
 RT: 21.39 min Scan# 3078
 Delta R.T. 0.00 min
 Lab File: BM011671.D
 Acq: 22 Sep 2017 01:42

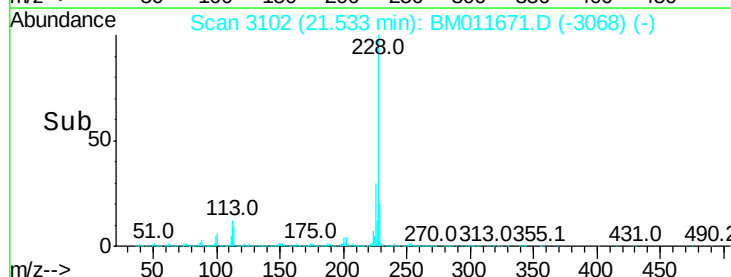
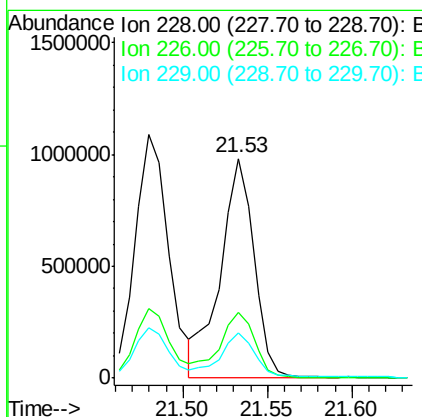
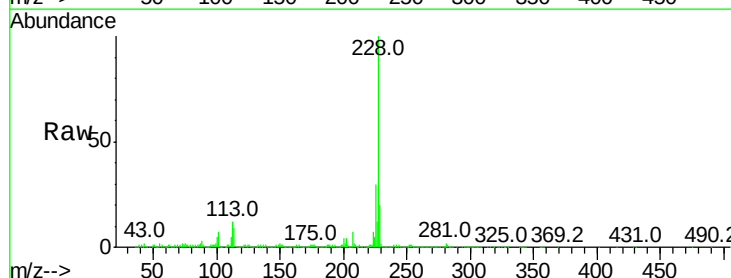
Instrument :
 BNA_M
 ClientSampleId :

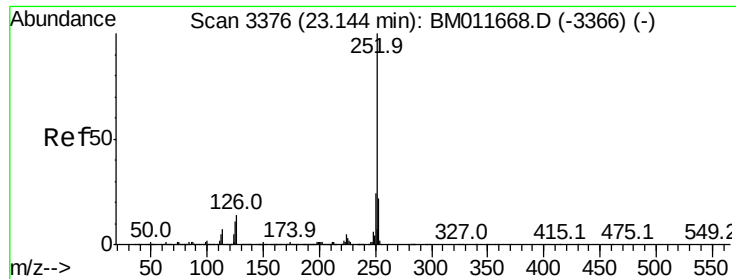
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	23.0	34.6
279	3.6	4.3	6.5#



#85
 Chrysene
 Concen: 11.969 ng/ul
 RT: 21.53 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: BM011671.D
 Acq: 22 Sep 2017 01:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.5	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 13.732 ng/ul

RT: 23.14 min Scan# 3376

Delta R.T. 0.00 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

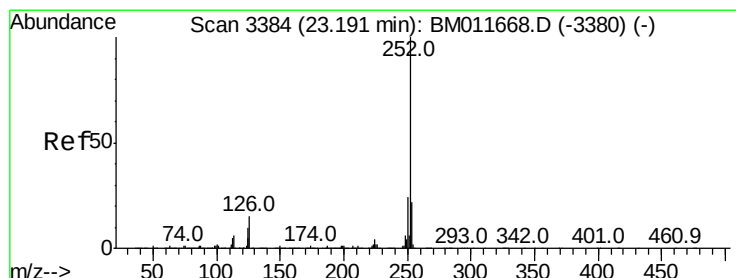
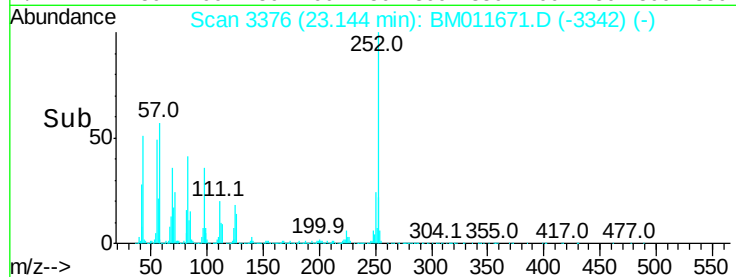
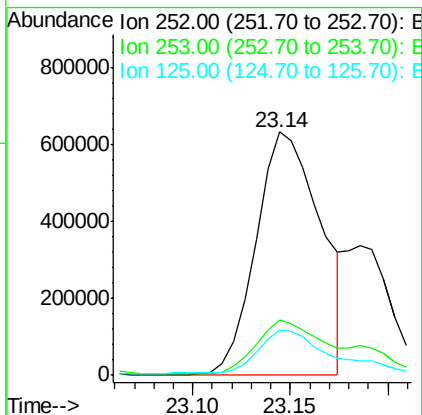
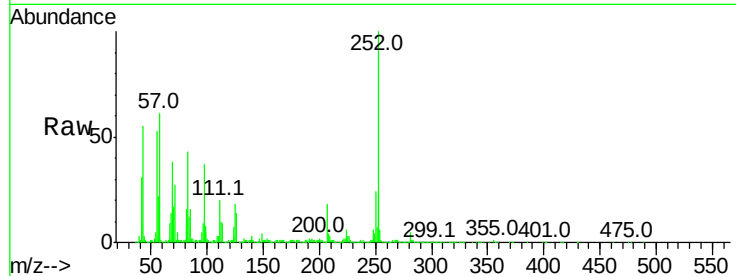
Tot Ion:252 Resp: 1447254

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 18.4 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 14.298 ng/ul

RT: 23.14 min Scan# 3376

Delta R.T. -0.05 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

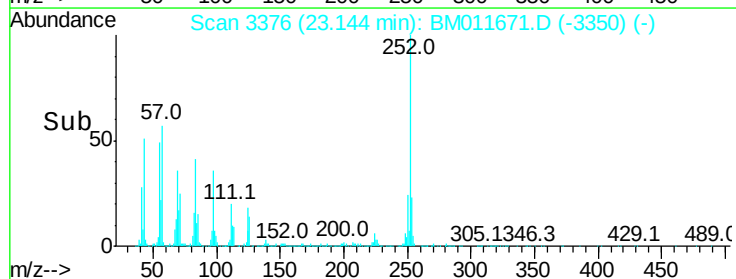
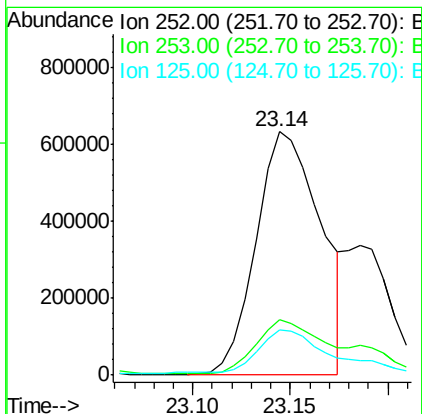
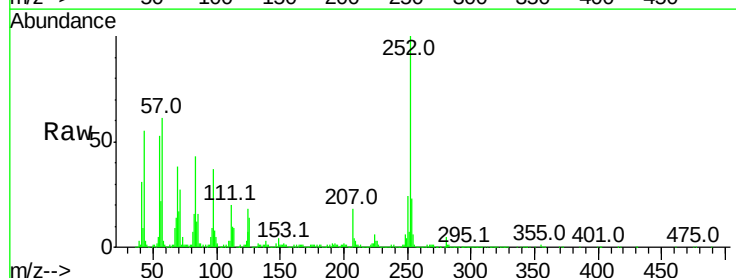
Tgt Ion:252 Resp: 1447254

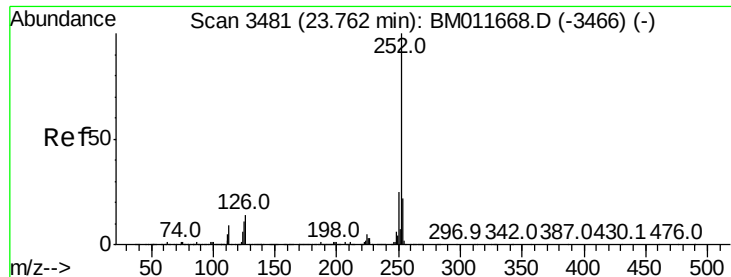
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 18.4 5.4 8.0#





#91

Benzo(a)pyrene

Concen: 9.707 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. 0.00 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

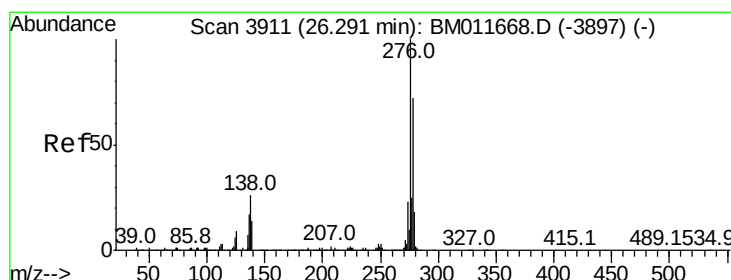
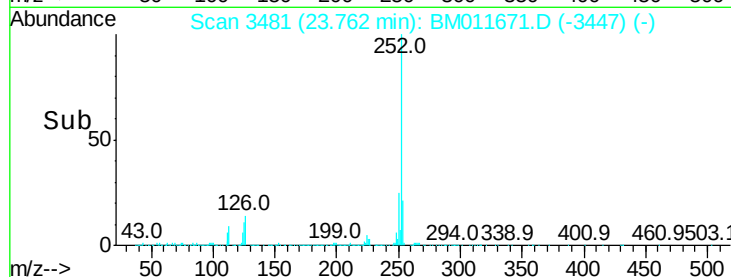
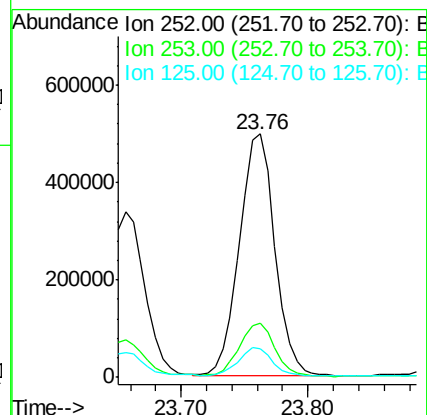
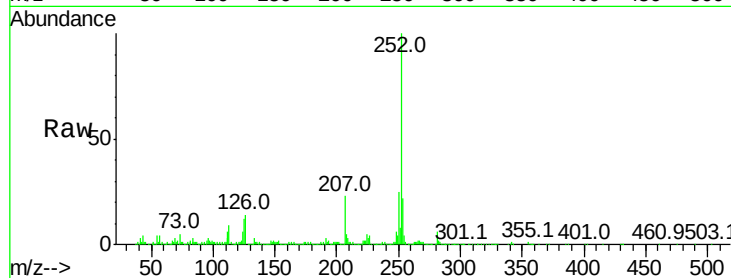
Tot Ion:252 Resp: 965630

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 11.5 5.8 8.6#



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.301 ng/ul

RT: 26.29 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

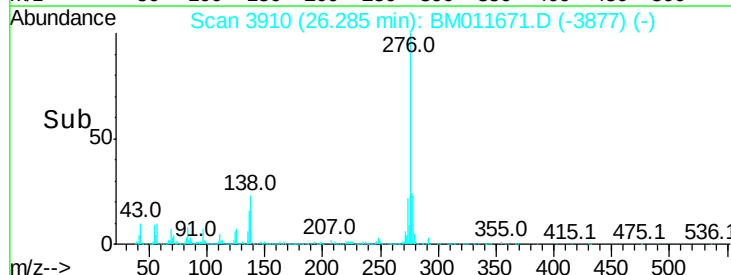
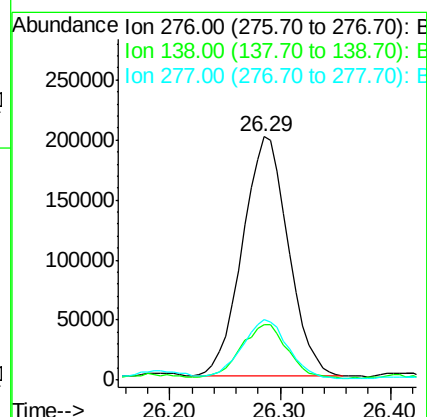
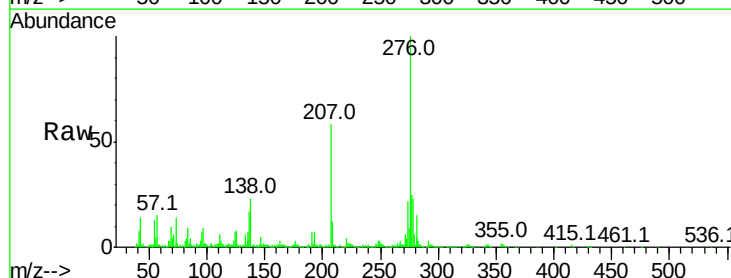
Tgt Ion:276 Resp: 580143

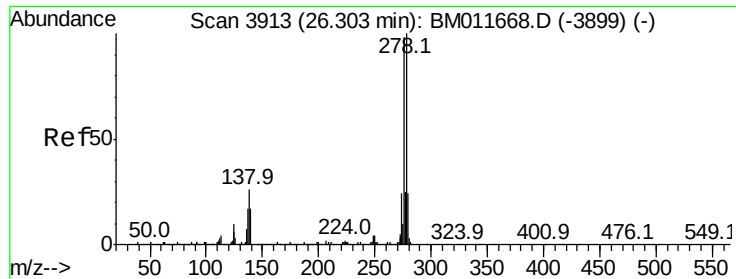
Ion Ratio Lower Upper

276 100

138 23.0 10.9 16.3#

277 24.9 18.9 28.3





#93

Dibenzo(a,h)anthracene

Concen: 1.713 ng/ul

RT: 26.29 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

Instrument :

BNA_M

ClientSampleId :

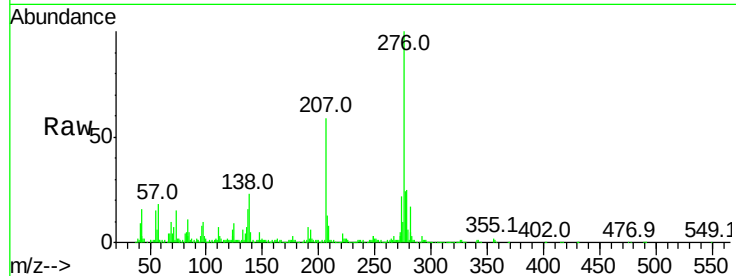
Tot Ion:278 Resp: 158992

Ion Ratio Lower Upper

278 100

139 20.4 9.0 13.4#

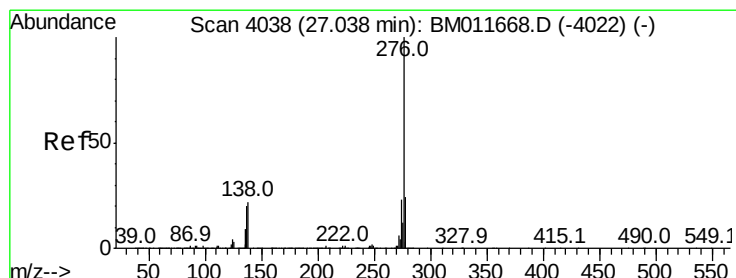
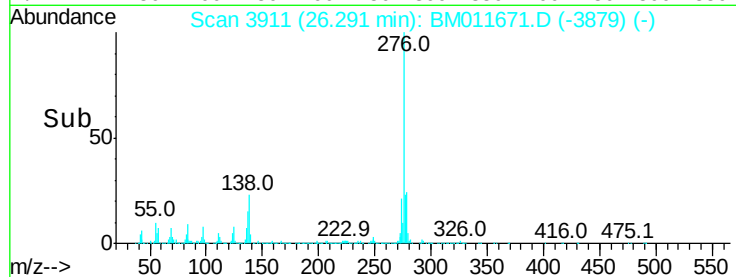
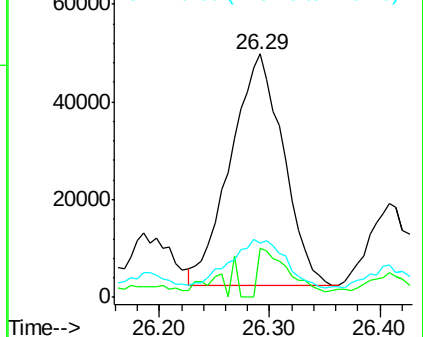
279 22.2 19.1 28.7



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(g,h,i)perylene

Concen: 6.551 ng/ul

RT: 27.03 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM011671.D

Acq: 22 Sep 2017 01:42

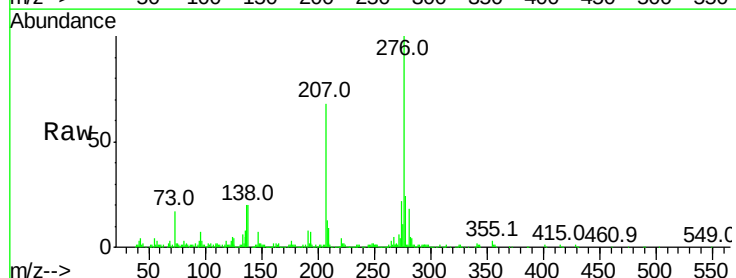
Tgt Ion:276 Resp: 580535

Ion Ratio Lower Upper

276 100

138 19.8 11.2 16.8#

277 23.6 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

