

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011679.D
 Acq On : 22 Sep 2017 06:32
 Operator : SJ/JU
 Sample : I5284-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:46:35 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	421684	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	1920750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1061388	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2288267	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2081762	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1648894	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	32379	3.45	ng/uL	0.00
5) Phenol-d5	7.11	99	874924	21.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	641845	23.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	695592	22.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	639550	20.23	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	343728	23.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	376091	24.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	674457	22.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	297867	8.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2117901	23.60	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2586272	23.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	335038	19.87	ng/ul	0.00
58) Fluorene-d10	15.58	176	1811405	23.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	251958	18.92	ng/ul	0.00
71) Anthracene-d10	17.43	188	2766344	24.55	ng/ul	0.00
79) Pyrene-d10	19.72	212	3201901	32.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	2032739	25.87	ng/ul	0.00

Target Compounds

				Ovalue	
4) Benzaldehyde	7.10	77	24242	1.048	ng/ul 89
6) Phenol	7.14	94	53854	1.340	ng/ul# 85
28) Naphthalene	10.82	128	271329	2.724	ng/ul 99
30) 4-Chloroaniline	10.82	127	35858	1.121	ng/ul# 5
34) 2-Methylnaphthalene	12.42	142	143105	1.935	ng/ul 96
35) 1-Methylnaphthalene	12.64	142	102067	1.449	ng/ul 100
45) Dimethylphthalate	14.04	163	513346	5.975	ng/ul# 98
48) Acenaphthylene	14.32	152	126220	1.156	ng/ul 96
50) Acenaphthene	14.66	153	359547	4.872	ng/ul 99
54) Dibenzofuran	14.99	168	320833	3.108	ng/ul 100
59) Fluorene	15.64	166	346049	4.000	ng/ul 99
70) Phenanthrene	17.38	178	5983296	46.911	ng/ul 98
72) Anthracene	17.47	178	1412620	10.793	ng/ul 98
75) Carbazole	17.73	167	521665	4.672	ng/ul 96
77) Fluoranthene	19.39	202	8383970	63.908	ng/ul# 92
80) Pyrene	19.75	202	7319892	60.266	ng/ul# 90
83) Benzo(a)anthracene	21.49	228	3312510	28.899	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.39	149	501248	5.843	ng/ul# 95
85) Chrysene	21.54	228	3043703	29.291	ng/ul 99
88) Benzo(b)fluoranthene	23.15	252	3157251	31.828	ng/ul# 93
89) Benzo(k)fluoranthene	23.15	252	3157251	33.141	ng/ul# 92
91) Benzo(a)pyrene	23.77	252	2142231	22.880	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	26.30	276	1366262	13.265	ng/ul# 92

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QLast Update : Fri Sep 22 08:34:40 2017
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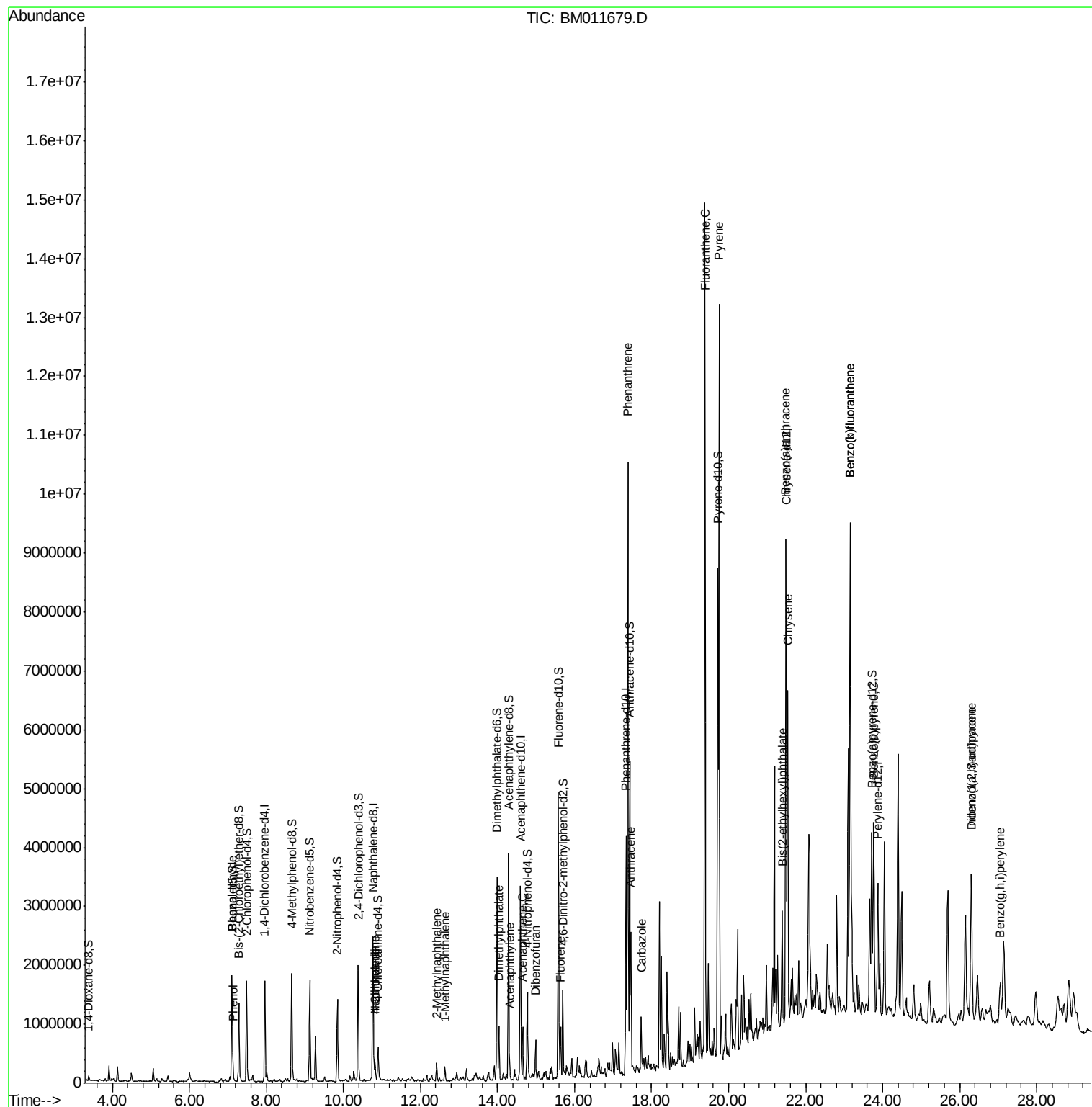
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	26.30	278	372834	4.269	ng/ul#	87
94) Benzo(g,h,i)perylene	27.05	276	1013534	12.151	ng/ul#	91

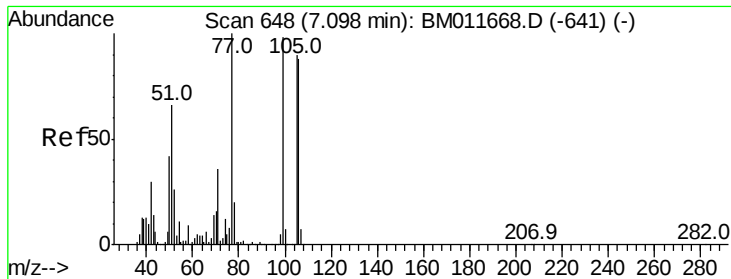
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 22 08:34:40 2017
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.048 ng/ul

RT: 7.10 min Scan# 649

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampled :

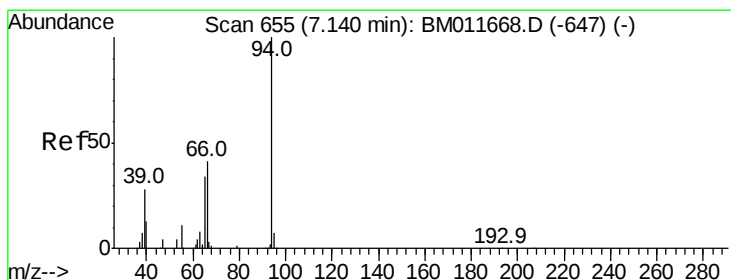
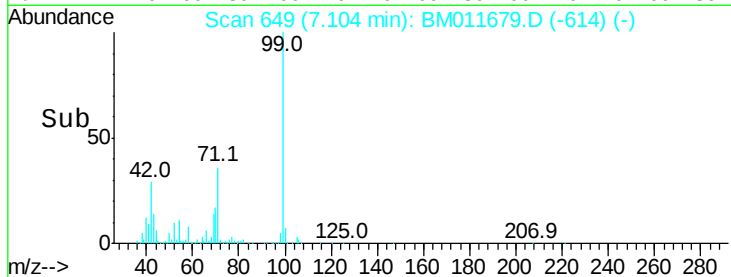
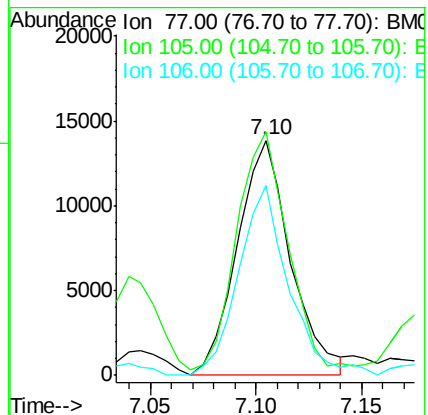
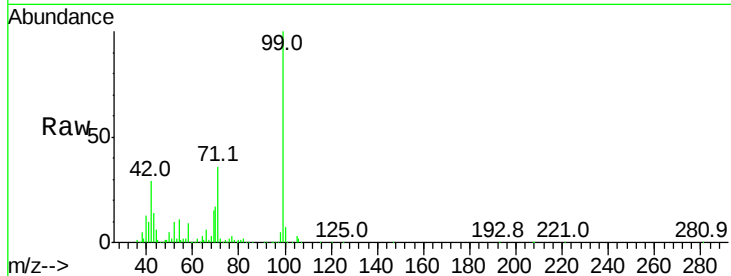
Tot Ion: 77 Resp: 24242

Ion Ratio Lower Upper

77 100

105 103.5 71.0 106.6

106 80.6 69.5 104.3



#6

Phenol

Concen: 1.340 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

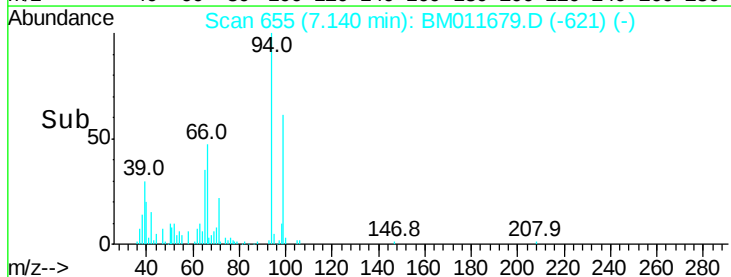
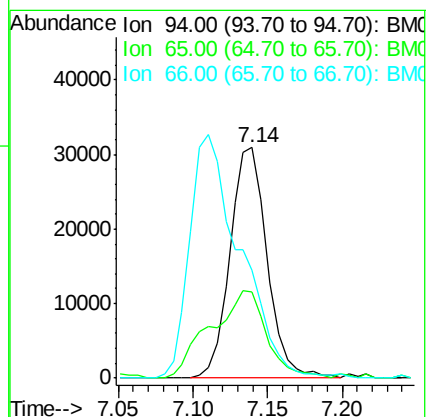
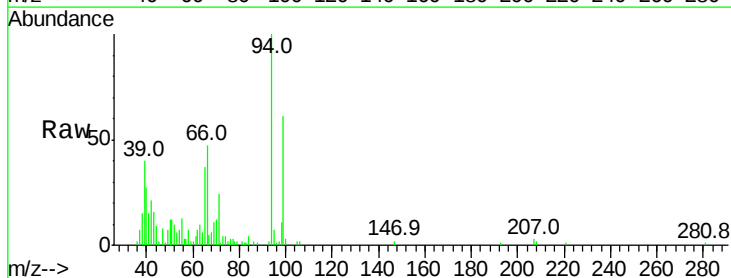
Tgt Ion: 94 Resp: 53854

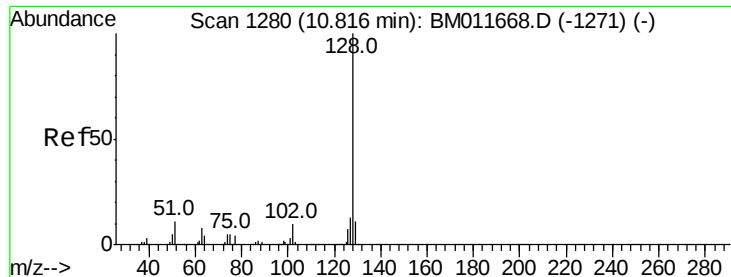
Ion Ratio Lower Upper

94 100

65 37.3 23.0 34.6#

66 47.1 30.4 45.6#





#28

Naphthalene

Concen: 2.724 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

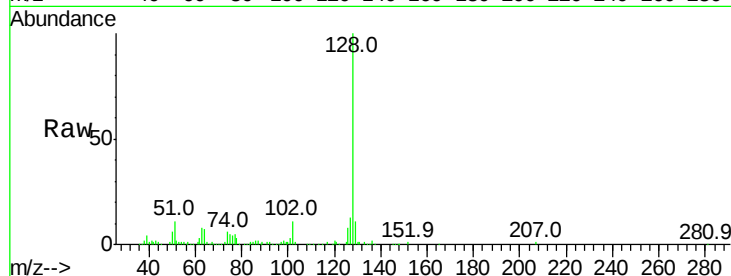
Tot Ion:128 Resp: 271329

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

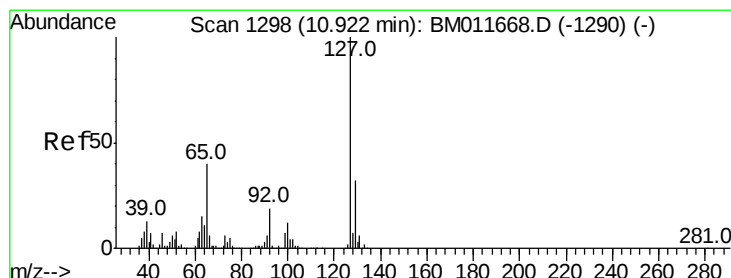
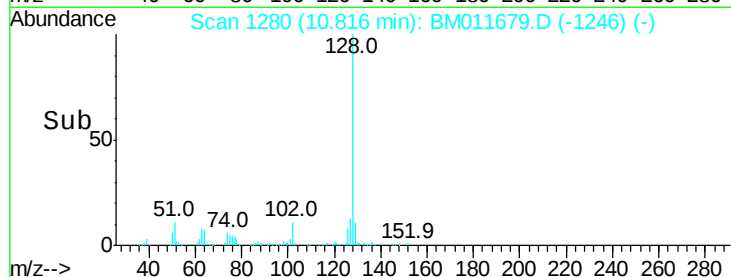
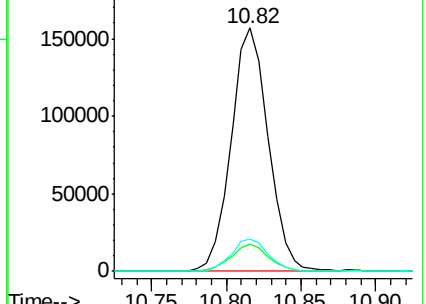
127 13.3 10.8 16.2



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



#30

4-Chloroaniline

Concen: 1.121 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. -0.11 min

Lab File: BM011679.D

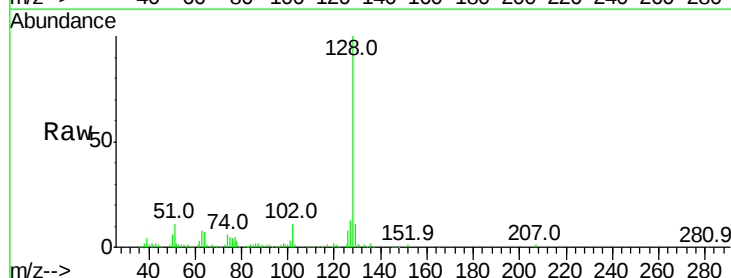
Acq: 22 Sep 2017 06:32

Tgt Ion:127 Resp: 35858

Ion Ratio Lower Upper

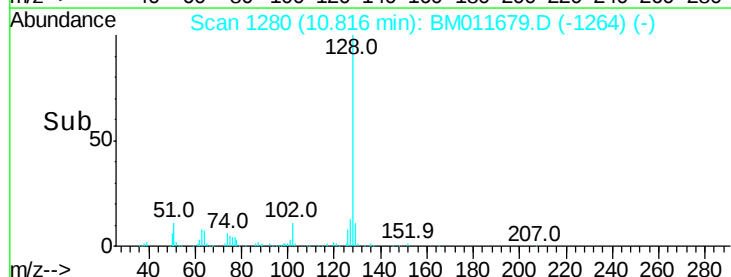
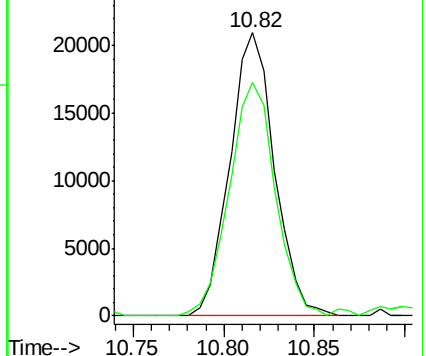
127 100

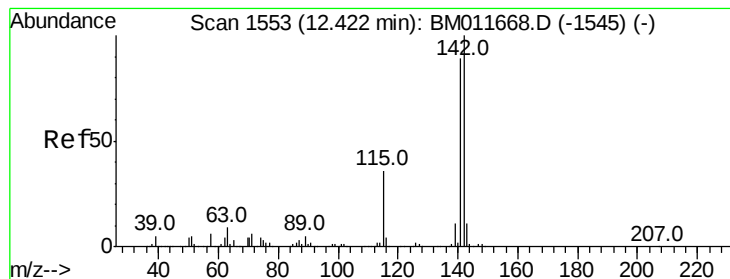
129 82.7 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 1.935 ng/ul

RT: 12.42 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

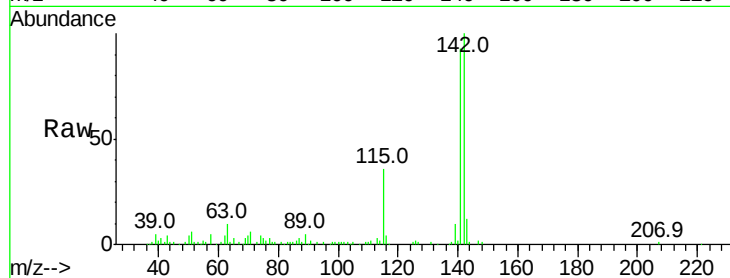
ClientSampleId :

Tot Ion:142 Resp: 143105

Ion Ratio Lower Upper

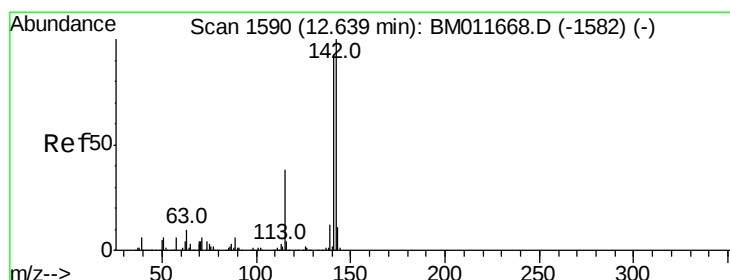
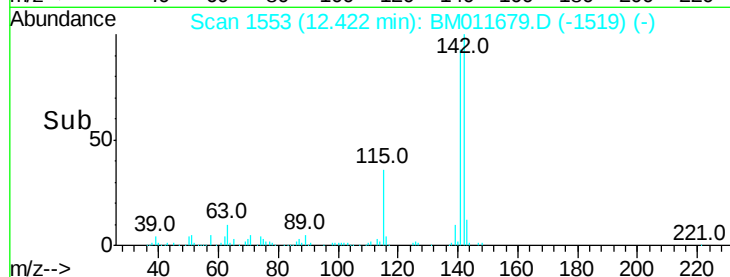
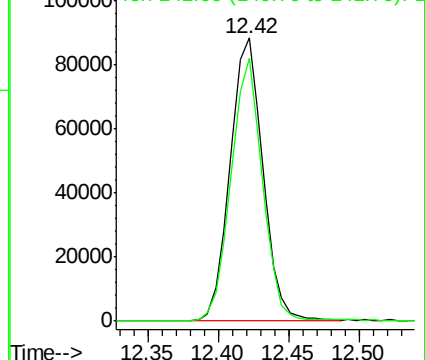
142 100

141 92.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.449 ng/ul

RT: 12.64 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

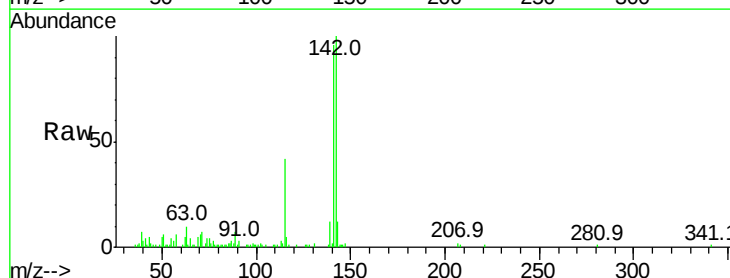
Tgt Ion:142 Resp: 102067

Ion Ratio Lower Upper

142 100

141 96.1 76.6 115.0

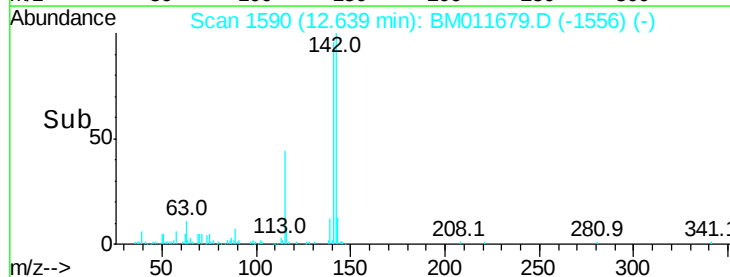
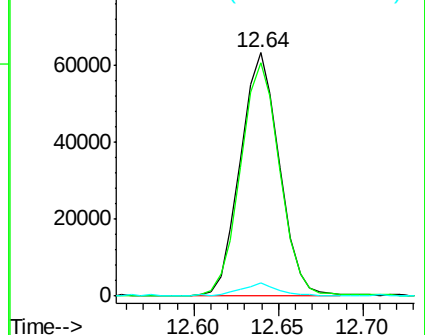
116 5.4 3.6 5.4

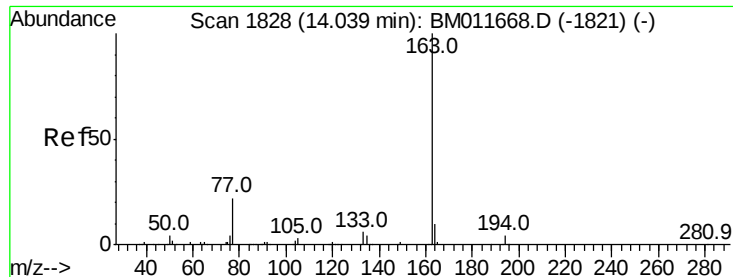


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

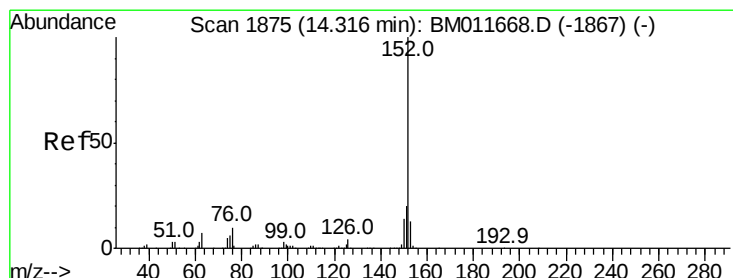
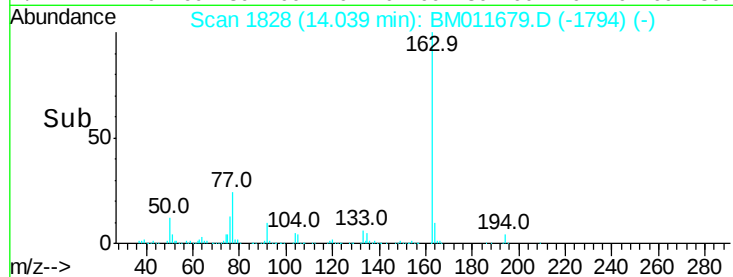
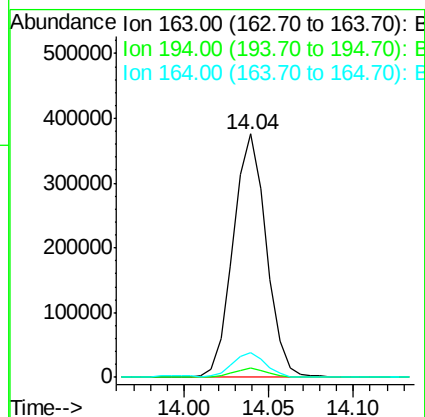
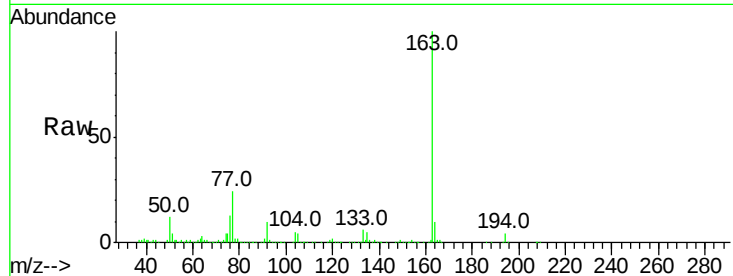




#45
Dimethylphthalate
Concen: 5.975 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

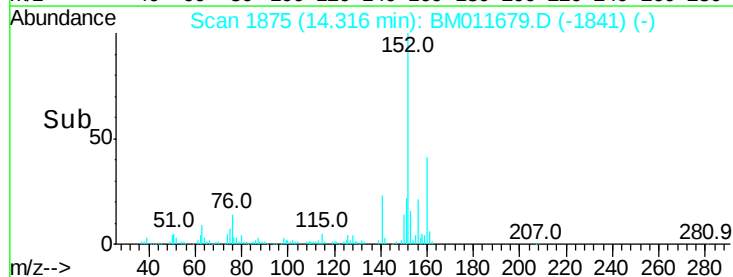
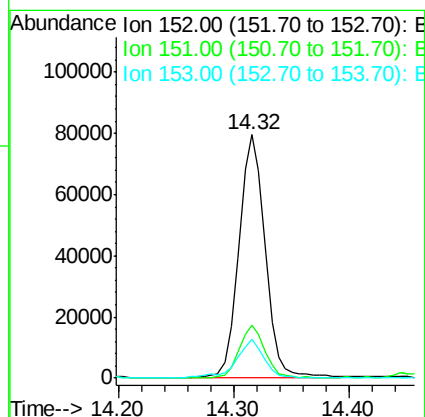
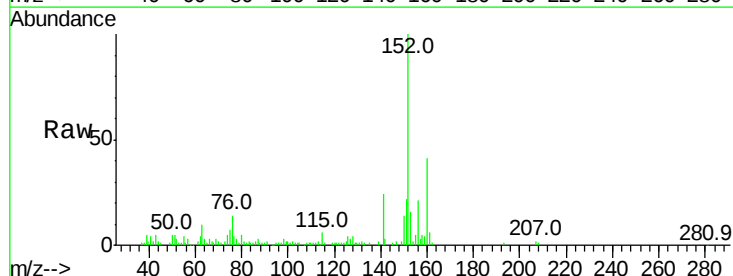
Instrument :
BNA_M
ClientSampleId :

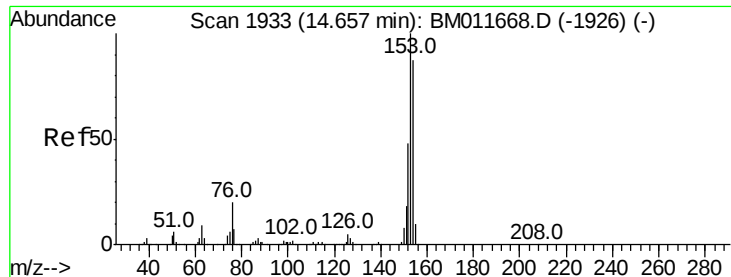
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.2	8.4	12.6



#48
Acenaphthylene
Concen: 1.156 ng/ul
RT: 14.32 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.1	24.1
153	15.8	10.8	16.2





#50

Acenaphthene

Concen: 4.872 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

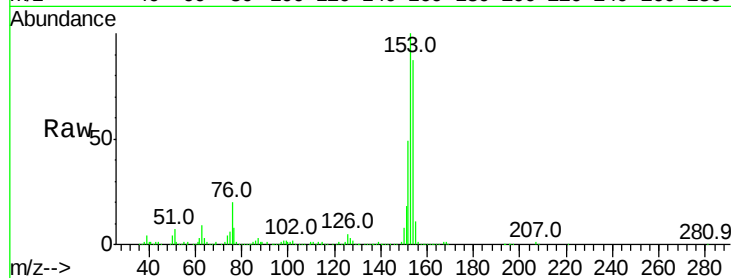
Tot Ion:153 Resp: 359547

Ion Ratio Lower Upper

153 100

152 49.0 37.9 56.9

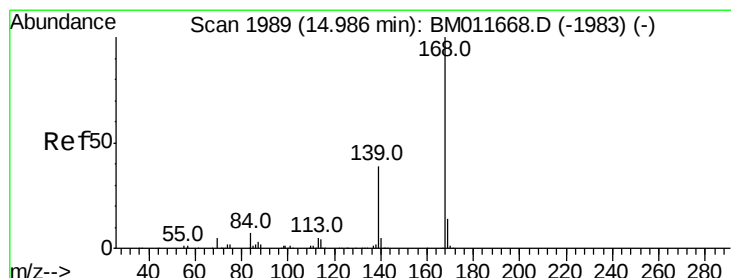
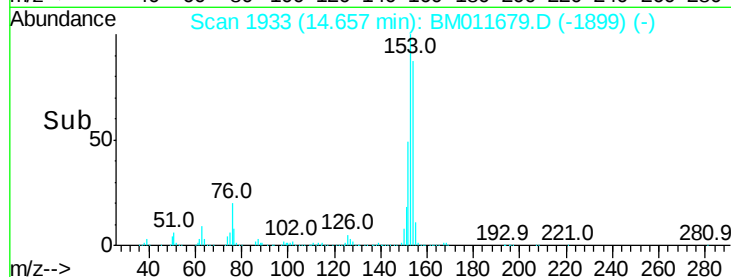
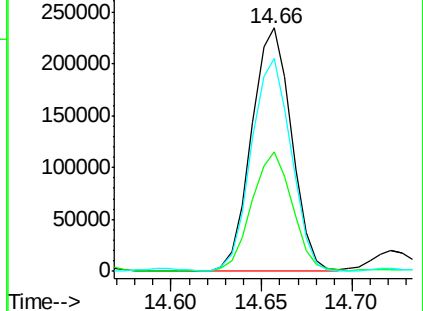
154 87.2 69.8 104.6



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: 3.108 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM011679.D

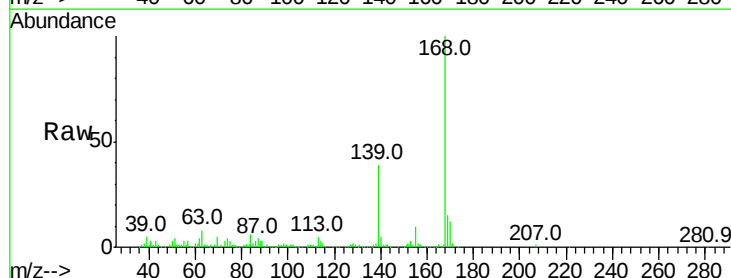
Acq: 22 Sep 2017 06:32

Tgt Ion:168 Resp: 320833

Ion Ratio Lower Upper

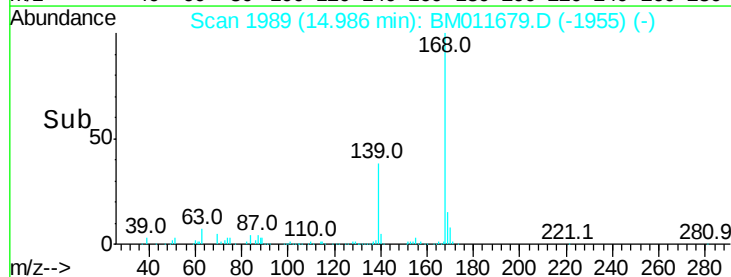
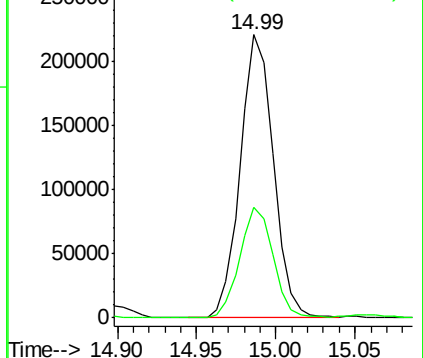
168 100

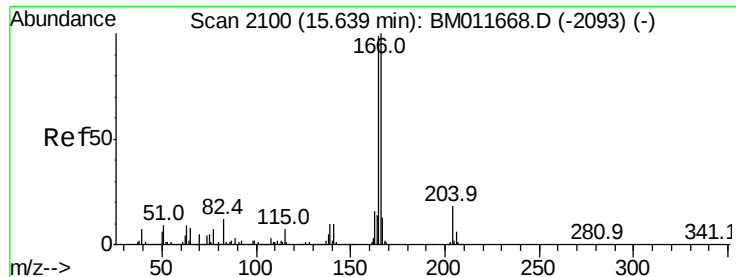
139 39.0 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

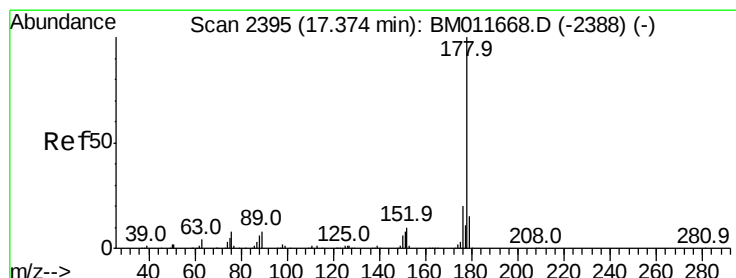
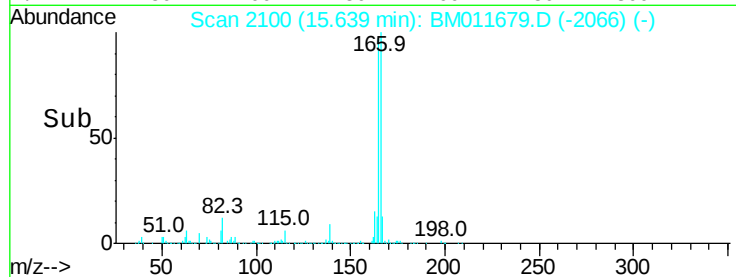
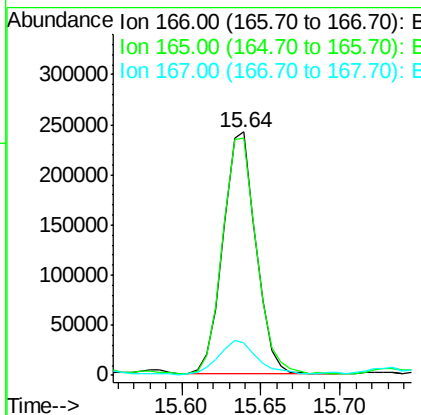
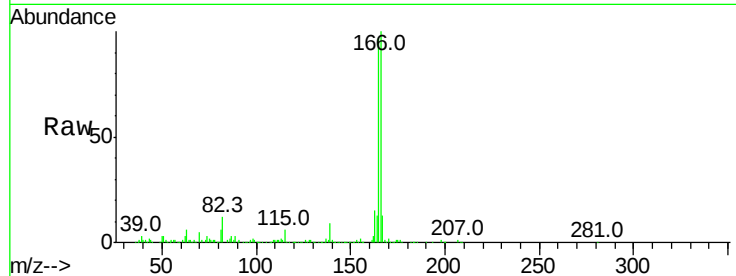




#59
Fluorene
Concen: 4.000 ng/ul
RT: 15.64 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

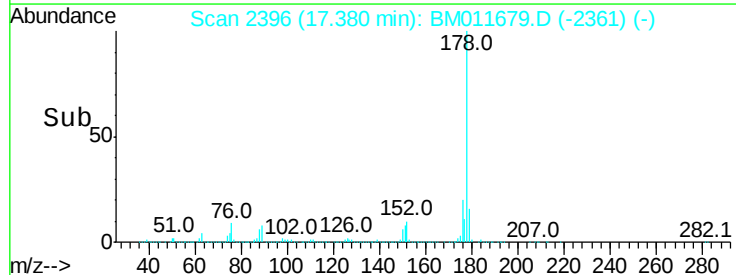
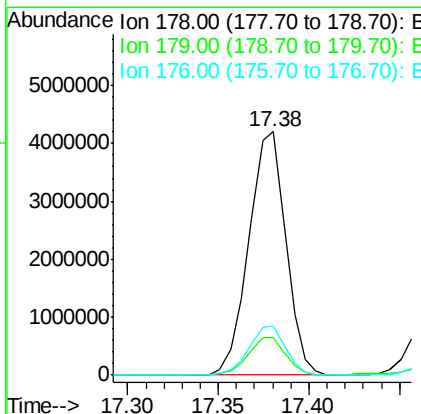
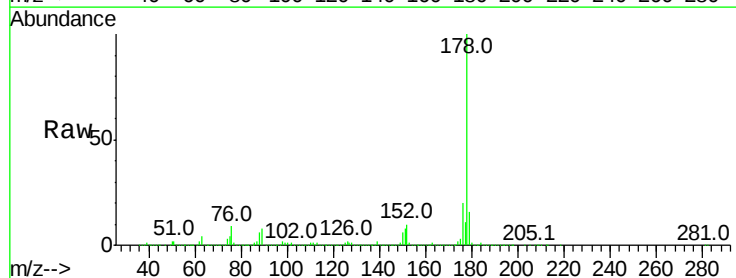
Instrument :
BNA_M
ClientSampleId :

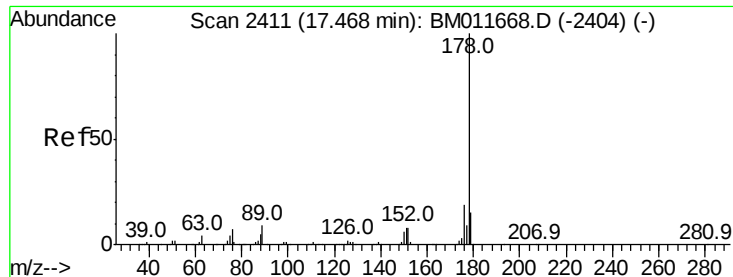
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.4	117.6
167	13.1	11.1	16.7



#70
Phenanthrene
Concen: 46.911 ng/ul
RT: 17.38 min Scan# 2396
Delta R.T. 0.01 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	20.4	15.4	23.0





#72

Anthracene

Concen: 10.793 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

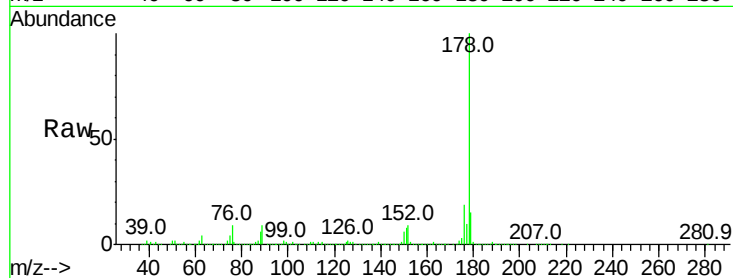
Tot Ion:178 Resp: 1412620

Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.4	20.2
176	19.1	15.4	23.0

178 100

179 15.2 13.4 20.2

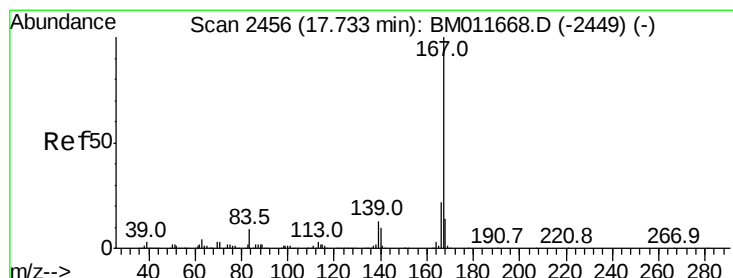
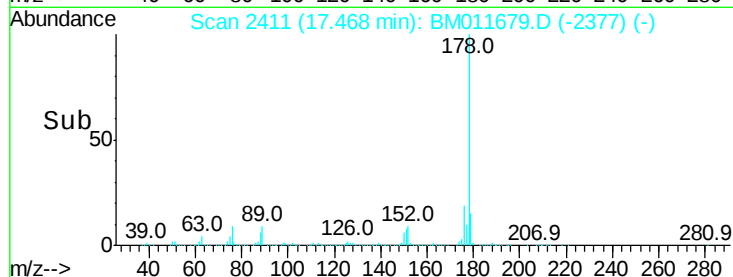
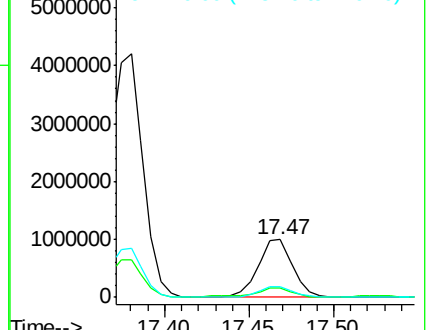
176 19.1 15.4 23.0



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: 4.672 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

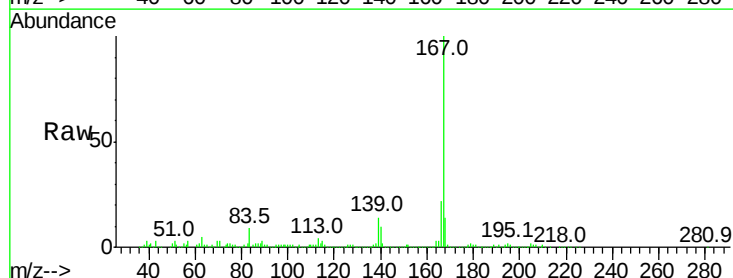
Tgt Ion:167 Resp: 521665

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.4
139	13.6	9.1	13.7

167 100

166 22.5 17.0 25.4

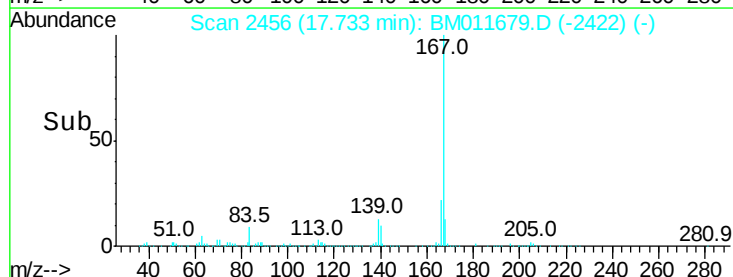
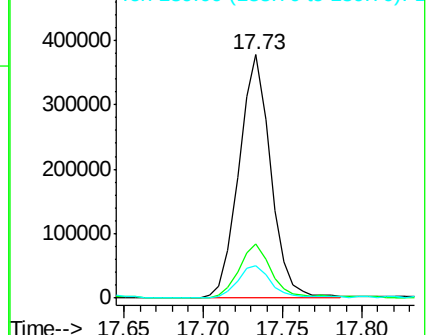
139 13.6 9.1 13.7

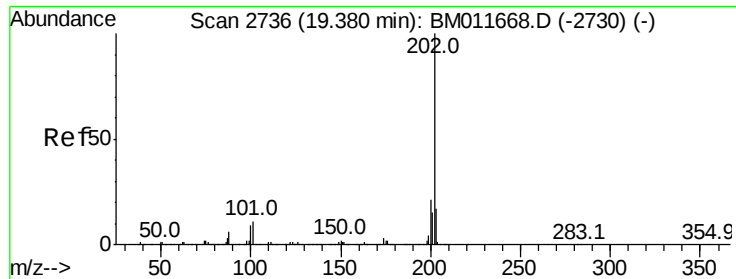


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

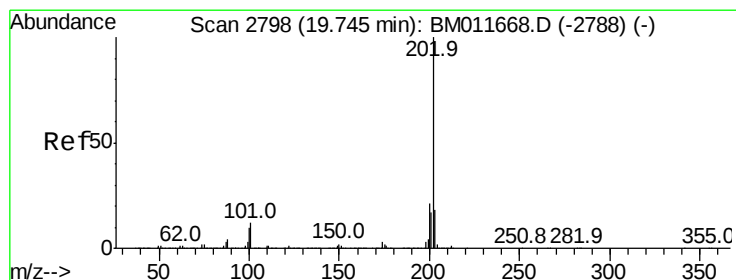
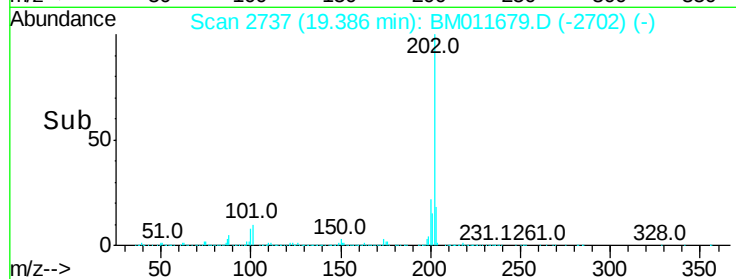
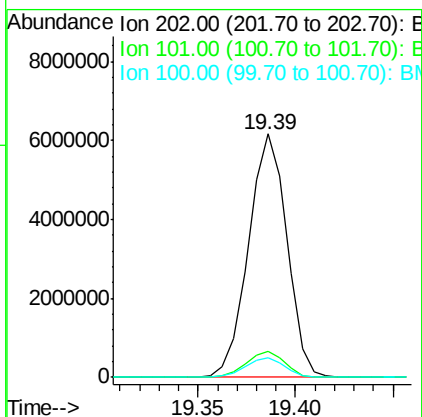
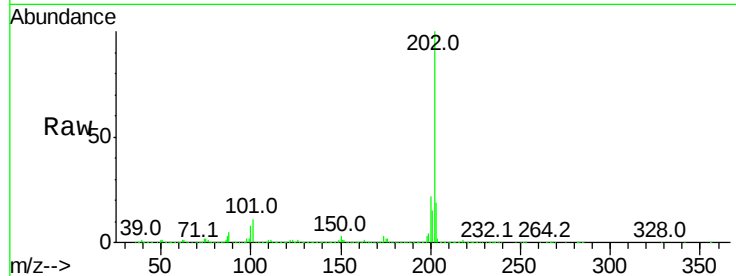




#77
 Fluoranthene
 Concen: 63.908 ng/ul
 RT: 19.39 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: BM011679.D
 Acq: 22 Sep 2017 06:32

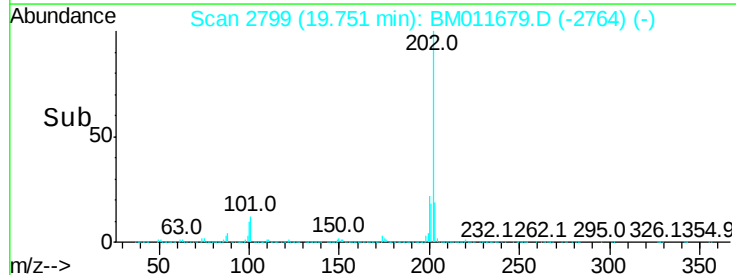
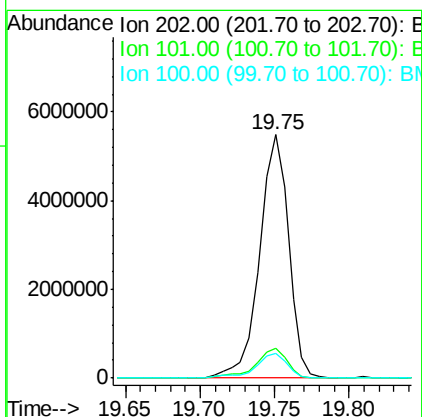
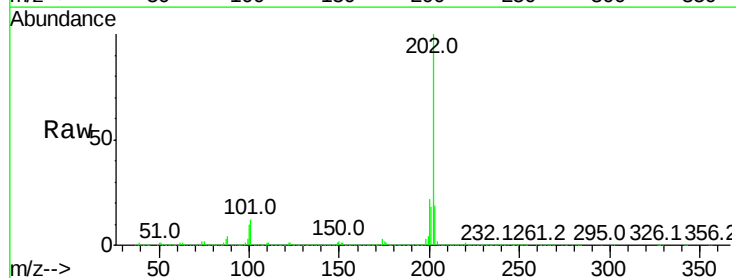
Instrument :
 BNA_M
 ClientSampleId :

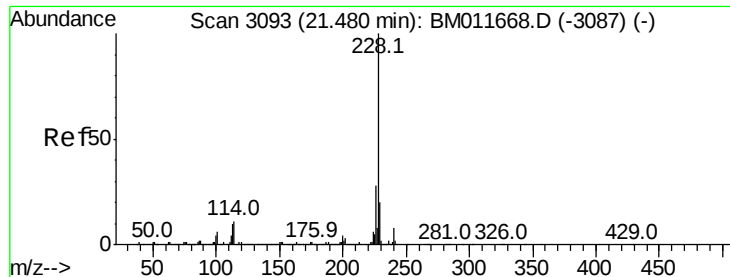
Tot Ion:202 Resp: 8383970
 Ion Ratio Lower Upper
 202 100
 101 10.7 6.1 9.1#
 100 8.2 4.6 7.0#



#80
 Pyrene
 Concen: 60.266 ng/ul
 RT: 19.75 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BM011679.D
 Acq: 22 Sep 2017 06:32

Tgt Ion:202 Resp: 7319892
 Ion Ratio Lower Upper
 202 100
 101 12.4 6.9 10.3#
 100 10.1 5.6 8.4#





#83

Benzo(a)anthracene

Concen: 28.899 ng/ul

RT: 21.49 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

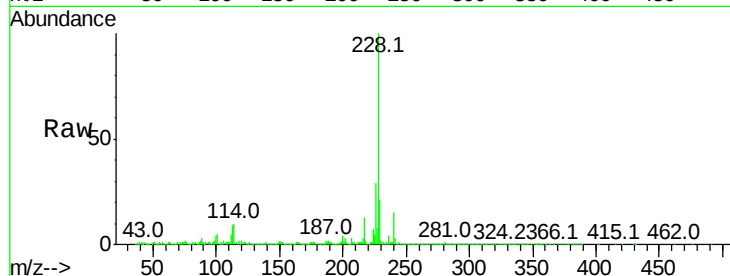
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3312510

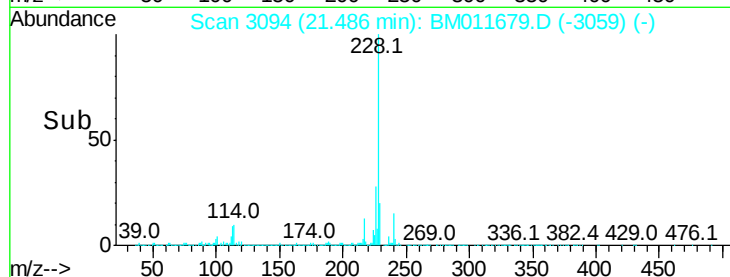
Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.0	24.0
226	28.5	21.8	32.8



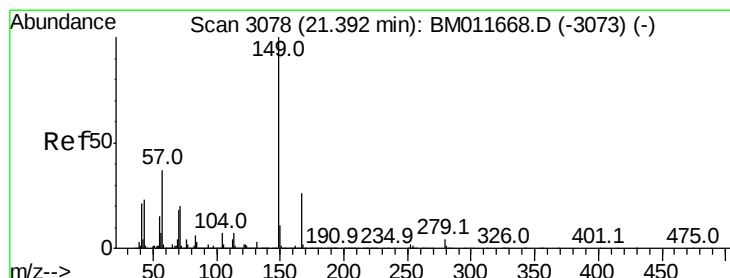
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.843 ng/ul

RT: 21.39 min Scan# 3078

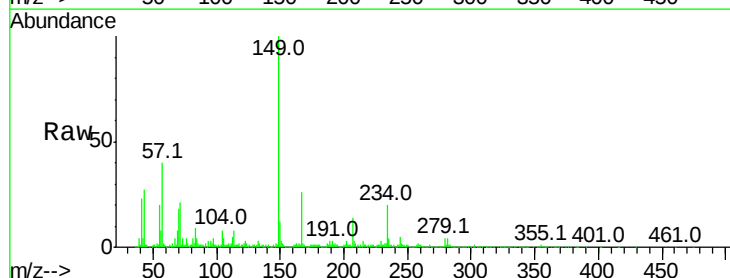
Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:149 Resp: 501248

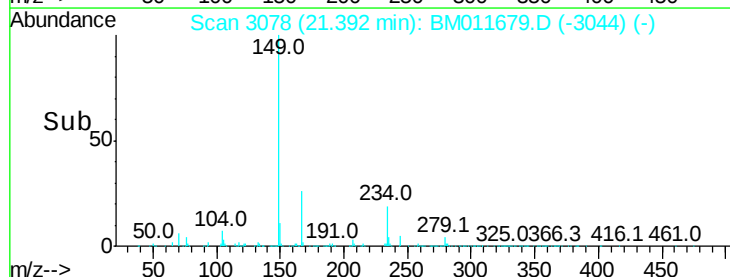
Ion	Ratio	Lower	Upper
149	100		
167	26.5	23.0	34.6
279	3.7	4.3	6.5#



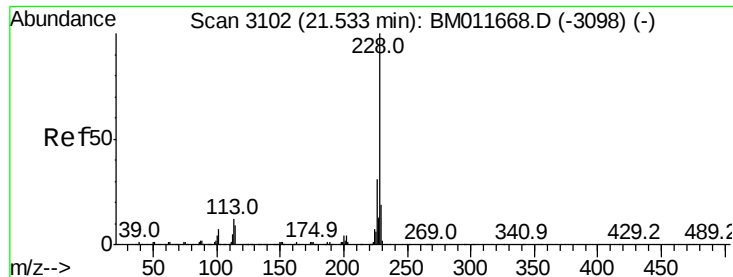
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#85

Chrysene

Concen: 29.291 ng/ul

RT: 21.54 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

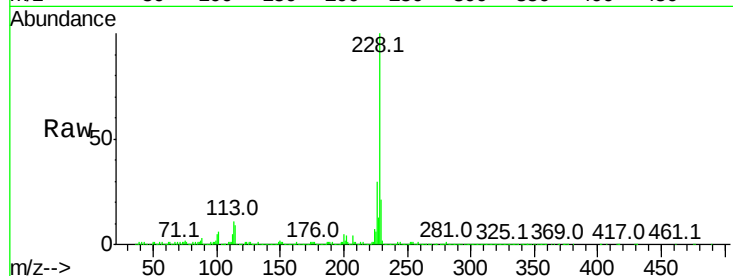
Tot Ion:228 Resp: 3043703

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

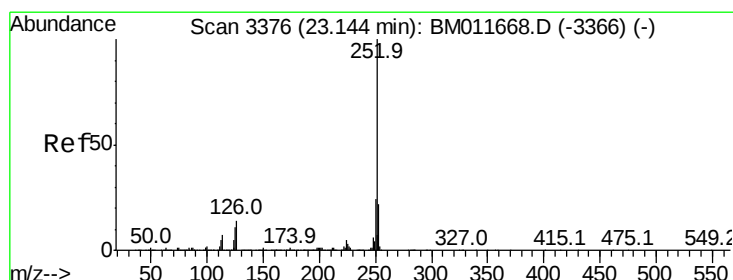
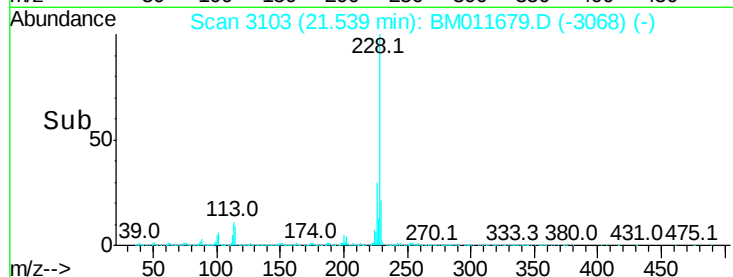
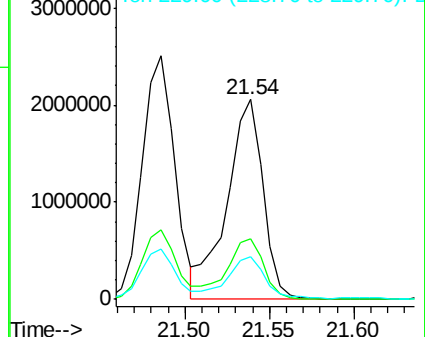
229 21.2 16.0 24.0



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: 31.828 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

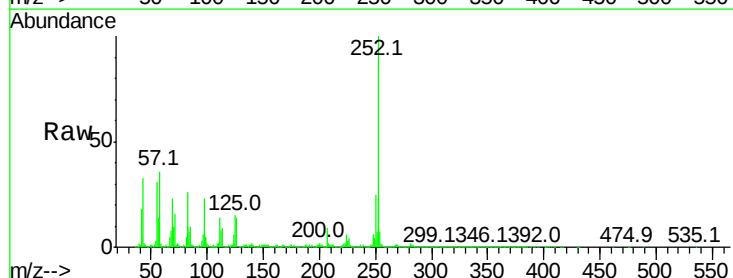
Tgt Ion:252 Resp: 3157251

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

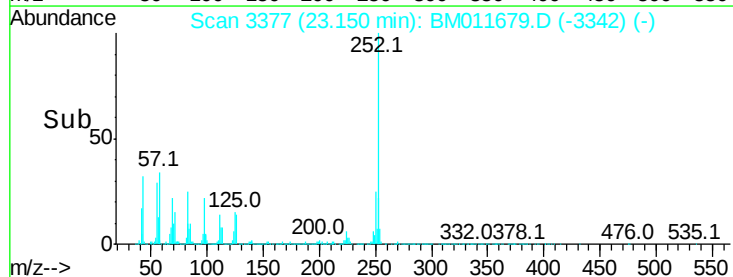
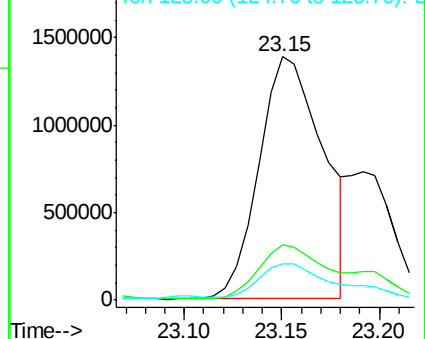
125 15.0 4.9 7.3#

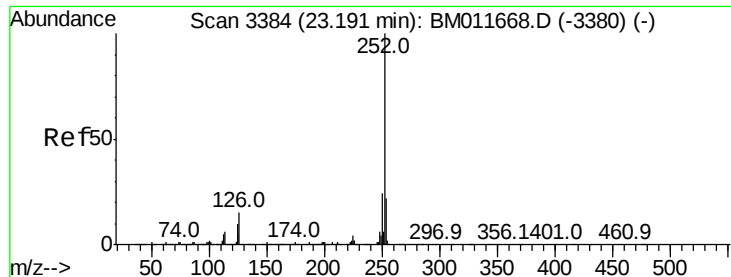


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 33.141 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

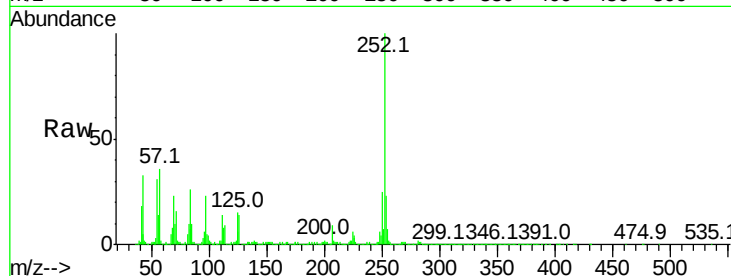
Tot Ion:252 Resp: 3157251

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

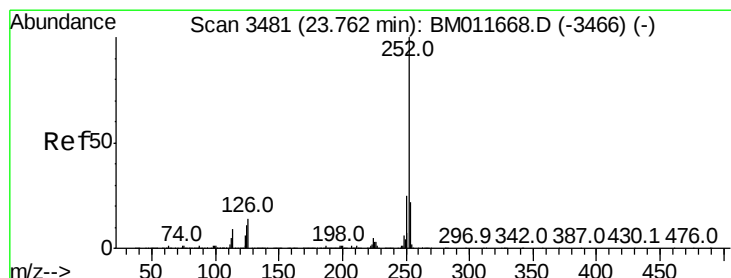
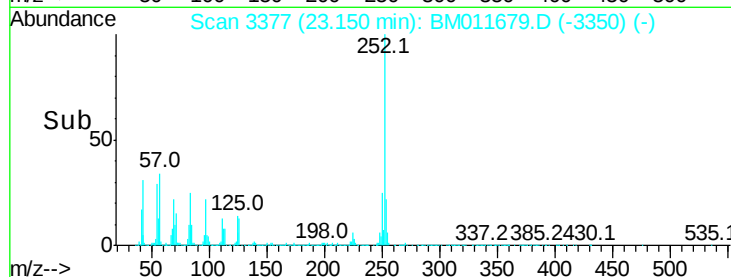
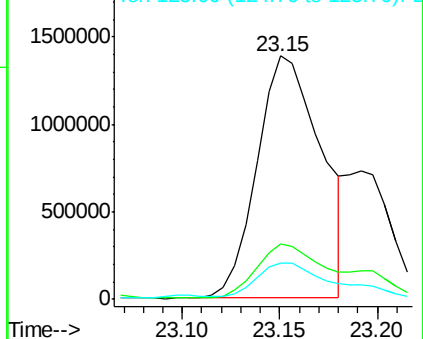
125 15.0 5.4 8.0#



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



#91

Benzo(a)pyrene

Concen: 22.880 ng/ul

RT: 23.77 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

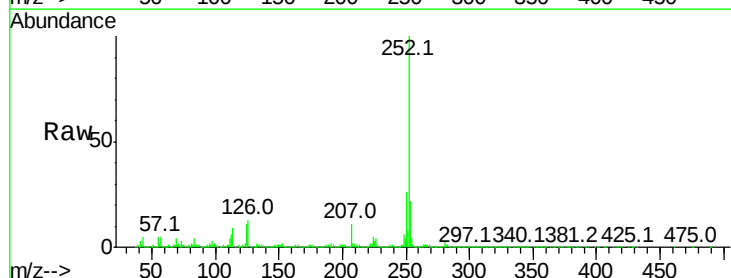
Tgt Ion:252 Resp: 2142231

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

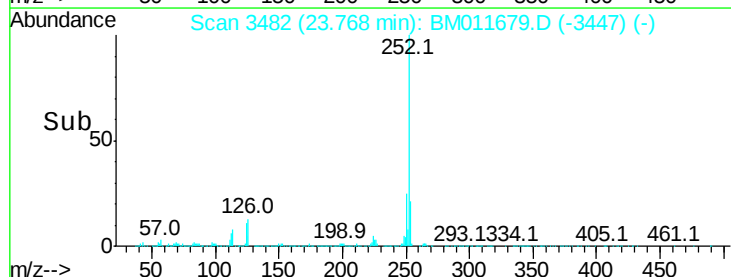
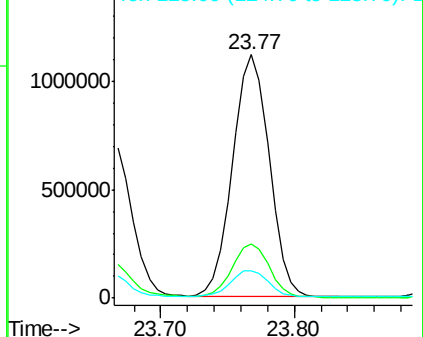
125 11.3 5.8 8.6#

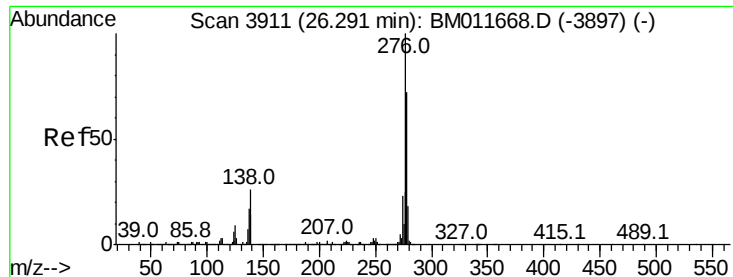


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



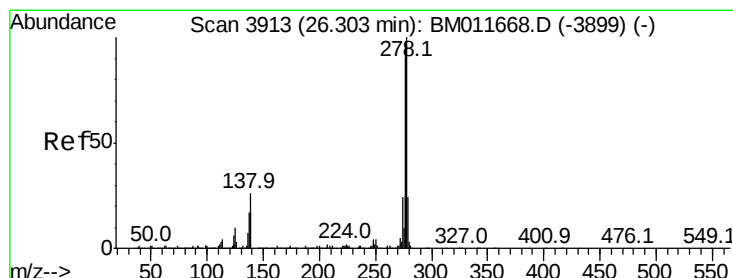
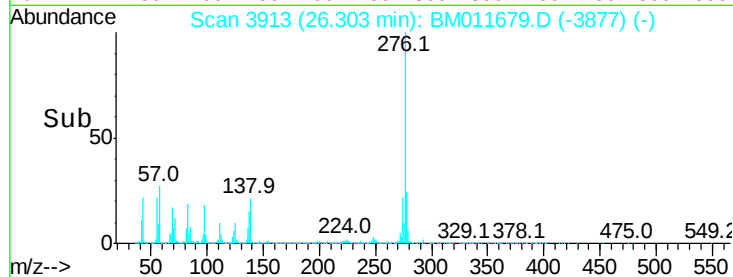
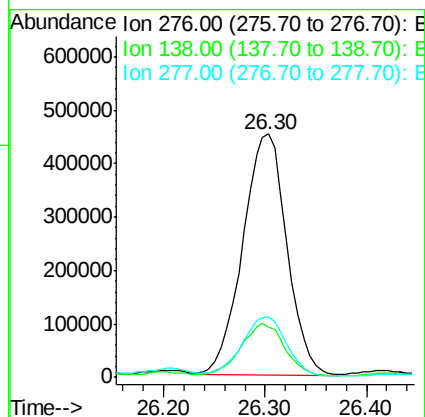
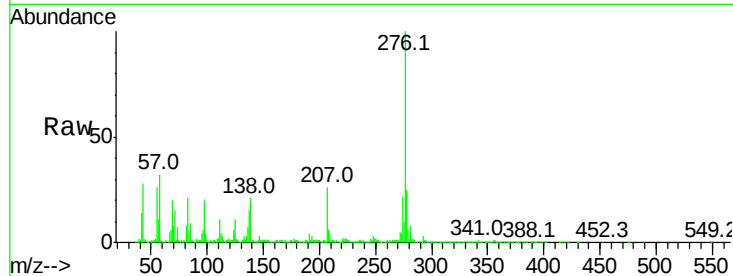


#92

Indeno(1,2,3-cd)pyrene
Concen: 13.265 ng/ul
RT: 26.30 min Scan# 3913
Delta R.T. 0.01 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Instrument :
BNA_M
ClientSampleId :

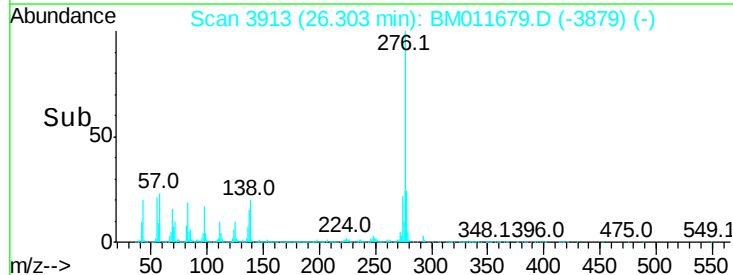
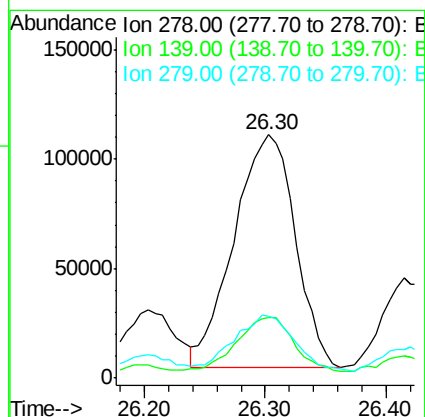
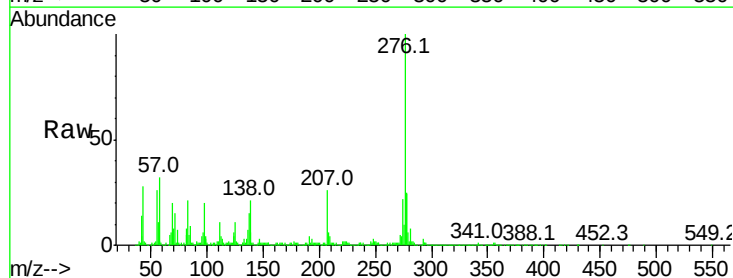
Tot Ion:276 Resp: 1366262
Ion Ratio Lower Upper
276 100
138 20.9 10.9 16.3#
277 24.8 18.9 28.3

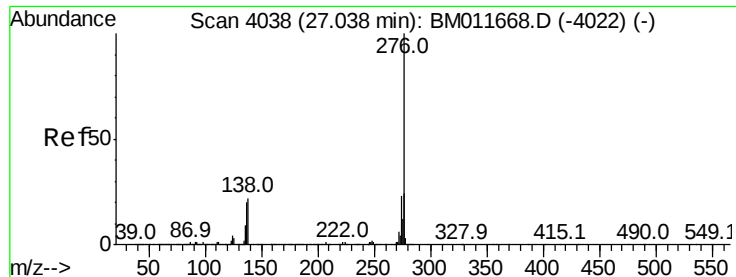


#93

Dibenzo(a,h)anthracene
Concen: 4.269 ng/ul
RT: 26.30 min Scan# 3913
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion:278 Resp: 372834
Ion Ratio Lower Upper
278 100
139 24.8 9.0 13.4#
279 25.4 19.1 28.7





#94

Benzo(a,h,i)perylene

Concen: 12.151 ng/ul

RT: 27.05 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

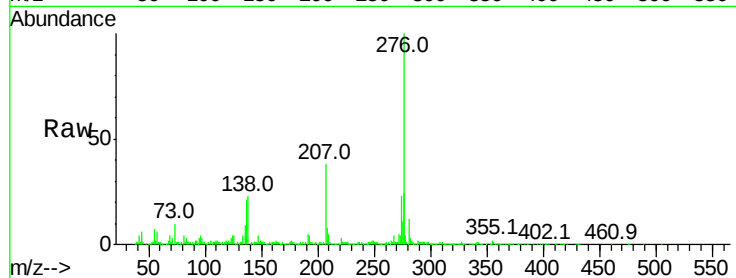
Tot Ion:276 Resp: 1013534

Ion Ratio Lower Upper

276 100

138 22.8 11.2 16.8#

277 24.2 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

