

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
 Data File : BM011688.D
 Acq On : 22 Sep 2017 12:11
 Operator : SJ/JU
 Sample : I5283-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 23:53:06 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 23:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	358174	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1615906	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	906605	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1981991	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1577278	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1361634	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	23847	2.99	ng/uL	0.00
5) Phenol-d5	7.11	99	565867	16.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	414526	17.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	452377	17.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	425383	15.84	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	232466	18.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	249670	19.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	446059	17.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	107045	3.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1422114	18.55	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1764771	19.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	128817	8.94	ng/ul	0.00
58) Fluorene-d10	15.58	176	1249246	18.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	144880	12.56	ng/ul	0.00
71) Anthracene-d10	17.43	188	1898887	19.46	ng/ul	0.00
79) Pyrene-d10	19.72	212	2039752	27.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	1287632	19.84	ng/ul	0.00

Target Compounds

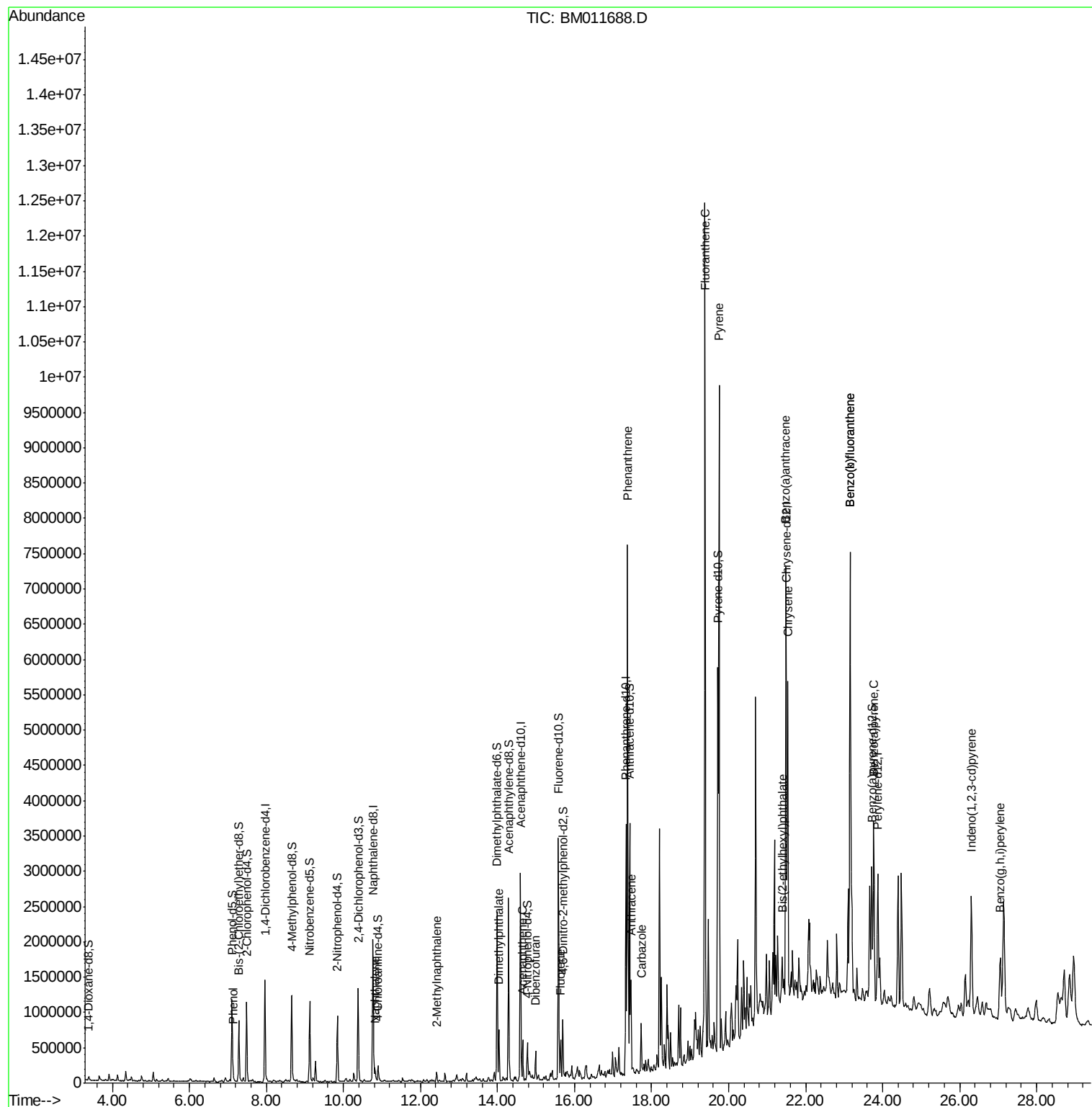
					Ovalue	
6) Phenol	7.14	94	38087	1.116	ng/ul#	87
28) Naphthalene	10.82	128	132218	1.578	ng/ul	95
34) 2-Methylnaphthalene	12.42	142	63654	1.023	ng/ul	99
45) Dimethylphthalate	14.04	163	416598	5.677	ng/ul#	97
50) Acenaphthene	14.66	153	216843	3.440	ng/ul	97
54) Dibenzofuran	14.99	168	189536	2.150	ng/ul	99
59) Fluorene	15.64	166	239494	3.241	ng/ul	98
70) Phenanthrene	17.37	178	4345614	39.336	ng/ul	99
72) Anthracene	17.47	178	812416	7.167	ng/ul	98
75) Carbazole	17.73	167	419815	4.341	ng/ul	97
77) Fluoranthene	19.39	202	6497128	57.178	ng/ul#	92
80) Pyrene	19.75	202	5571122	60.539	ng/ul#	91
83) Benzo(a)anthracene	21.49	228	2380652	27.412	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	100638	1.548	ng/ul	94
85) Chrysene	21.54	228	2375723	30.175	ng/ul	98
88) Benzo(b)fluoranthene	23.16	252	2677026	32.681	ng/ul#	93
89) Benzo(k)fluoranthene	23.16	252	2677026	34.028	ng/ul#	93
91) Benzo(a)pyrene	23.77	252	1753987	22.685	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	26.30	276	1210423	14.231	ng/ul#	94
94) Benzo(g,h,i)perylene	27.06	276	1140299	16.555	ng/ul#	92

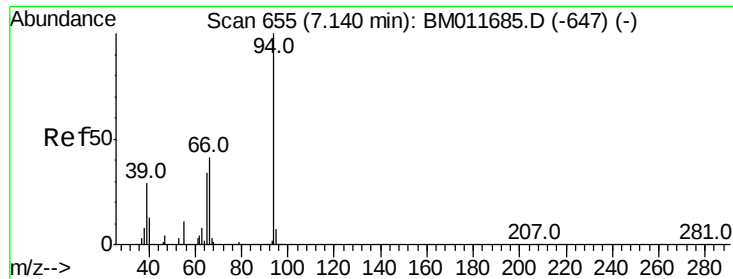
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.116 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

ClientSampleId :

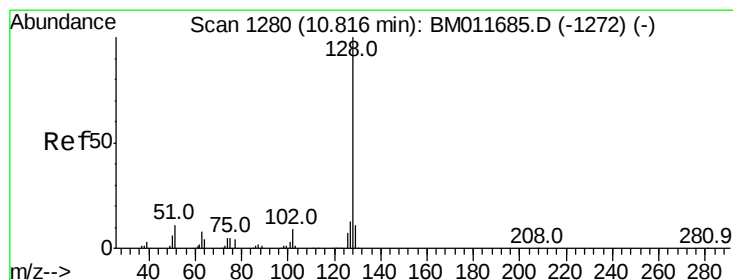
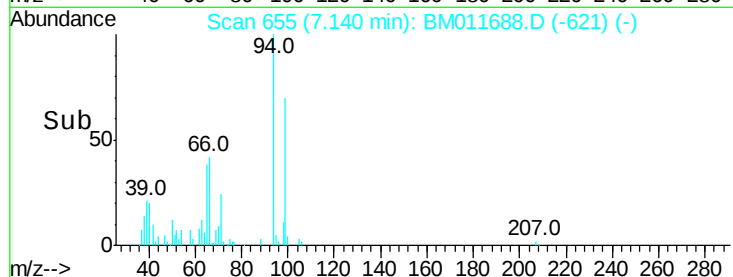
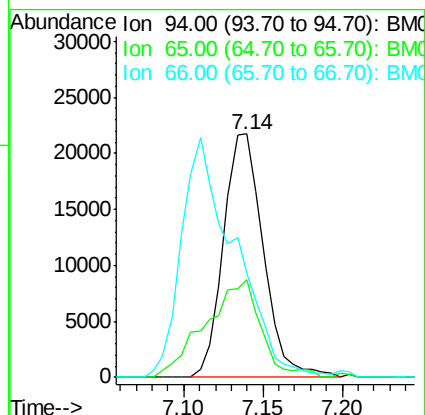
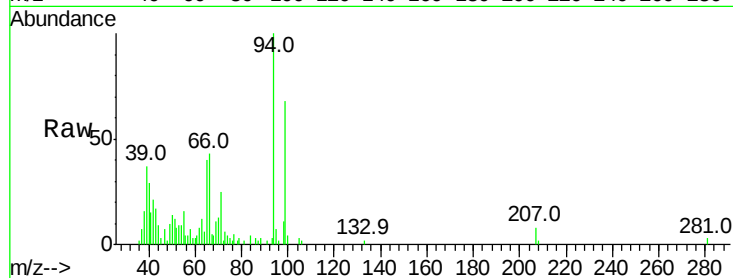
Tot Ion: 94 Resp: 38087

Ion Ratio Lower Upper

94 100

65 39.9 23.0 34.6#

66 42.5 30.4 45.6



#28

Naphthalene

Concen: 1.578 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

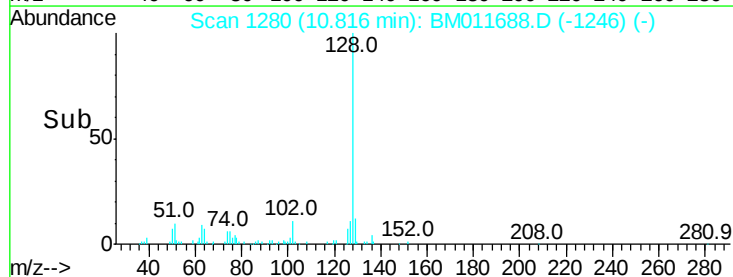
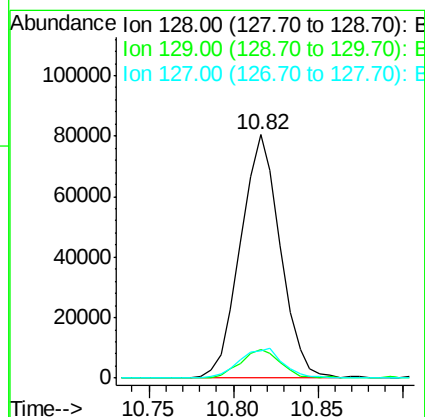
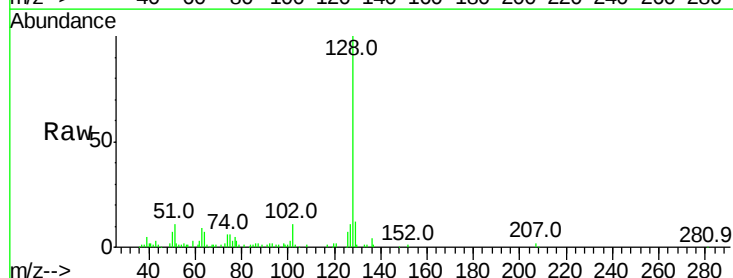
Tgt Ion:128 Resp: 132218

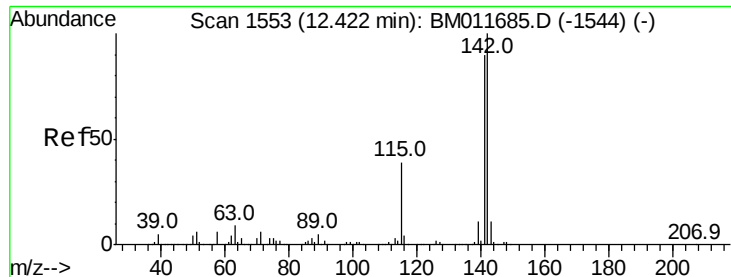
Ion Ratio Lower Upper

128 100

129 11.8 8.3 12.5

127 11.4 10.8 16.2

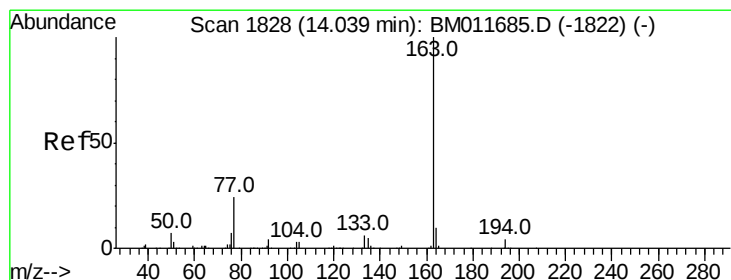
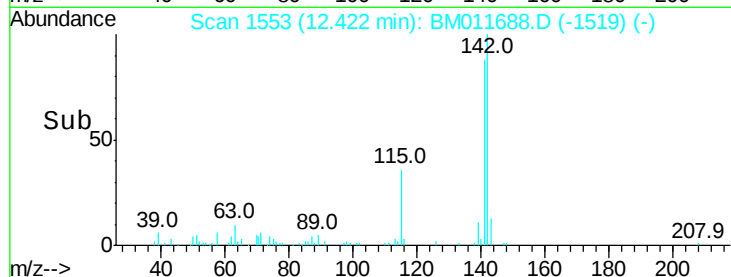
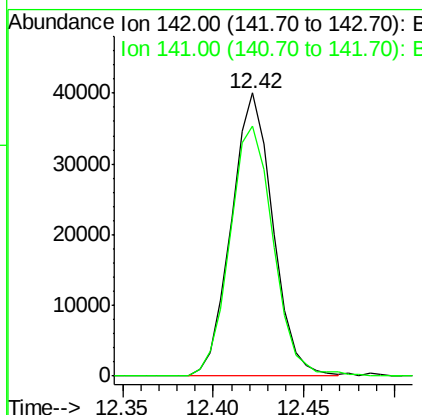
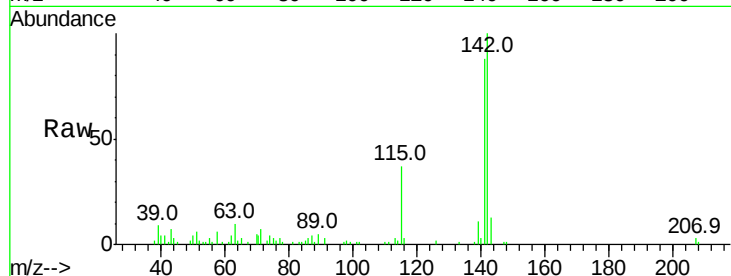




#34
2-Methylnaphthalene
Concen: 1.023 ng/ul
RT: 12.42 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BM011688.D
Acq: 22 Sep 2017 12:11

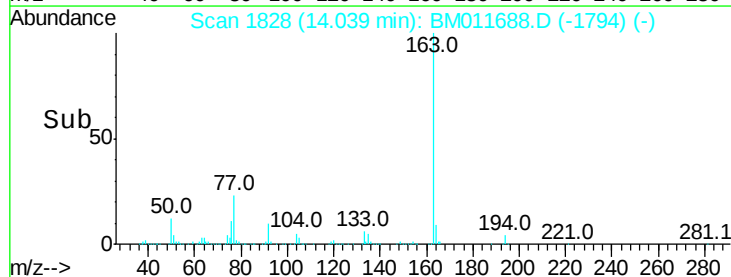
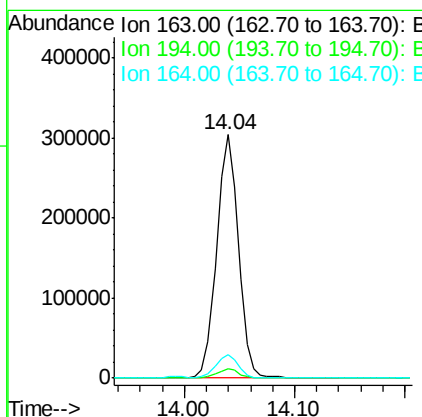
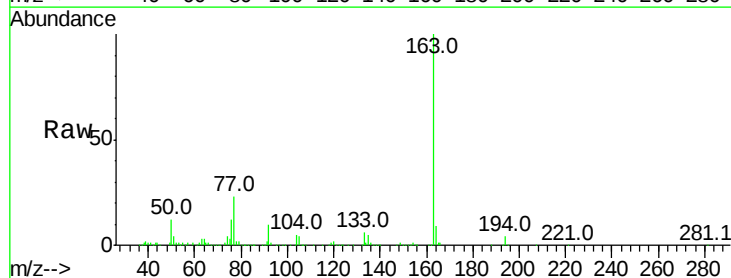
Instrument :
BNA_M
ClientSampleId :

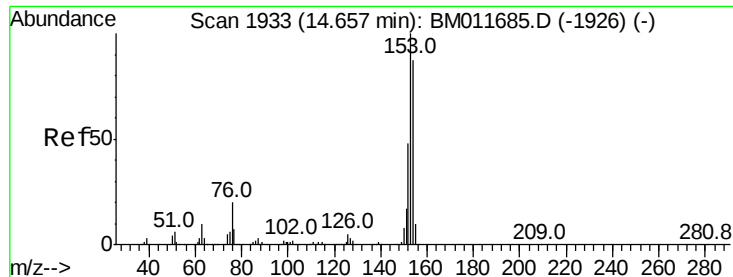
Tot Ion:142 Resp: 63654
Ion Ratio Lower Upper
142 100
141 88.3 71.4 107.2



#45
Dimethylphthalate
Concen: 5.677 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011688.D
Acq: 22 Sep 2017 12:11

Tgt Ion:163 Resp: 416598
Ion Ratio Lower Upper
163 100
194 4.0 4.0 6.0#
164 9.4 8.4 12.6





#50

Acenaphthene

Concen: 3.440 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

ClientSampleId :

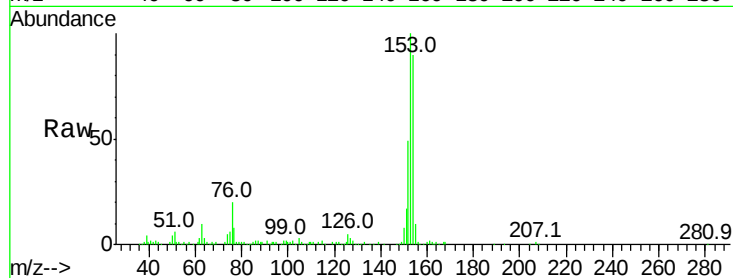
Tot Ion:153 Resp: 216843

Ion Ratio Lower Upper

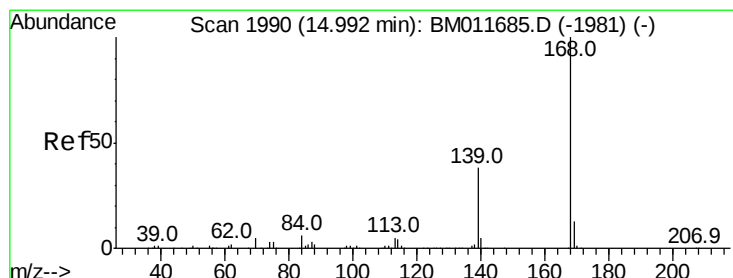
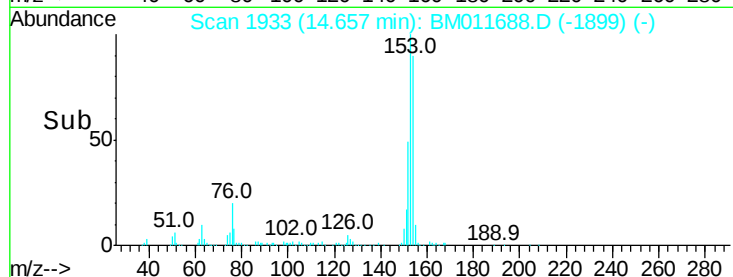
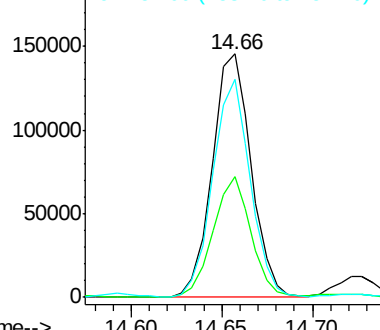
153 100

152 49.5 37.9 56.9

154 89.8 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: 2.150 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM011688.D

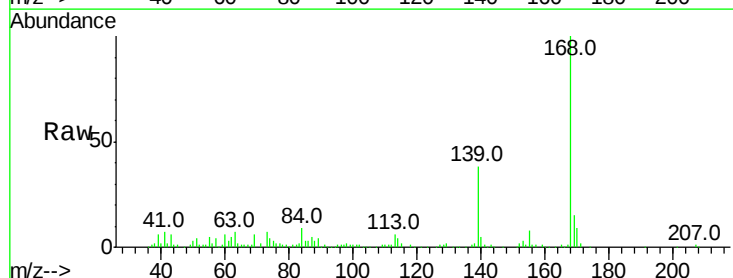
Acq: 22 Sep 2017 12:11

Tgt Ion:168 Resp: 189536

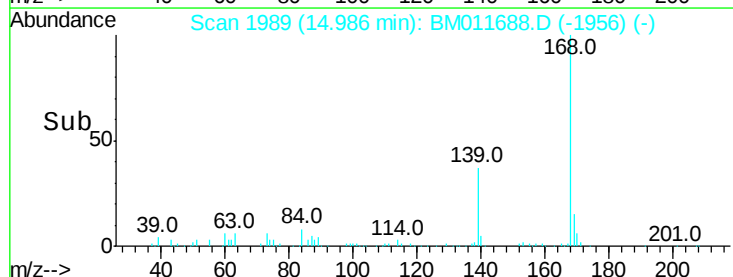
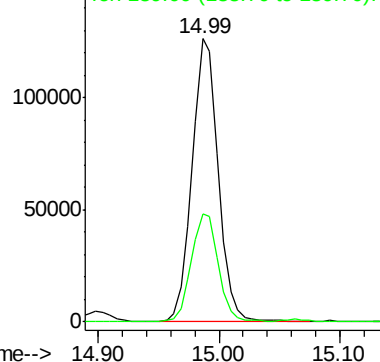
Ion Ratio Lower Upper

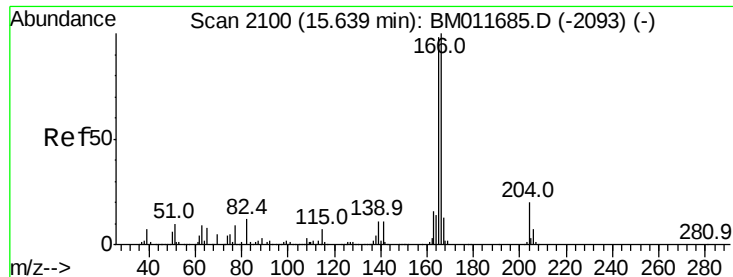
168 100

139 38.0 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

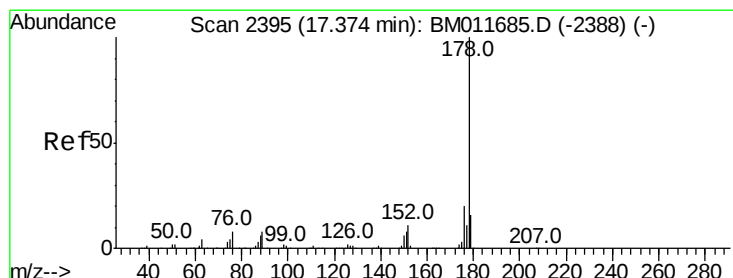
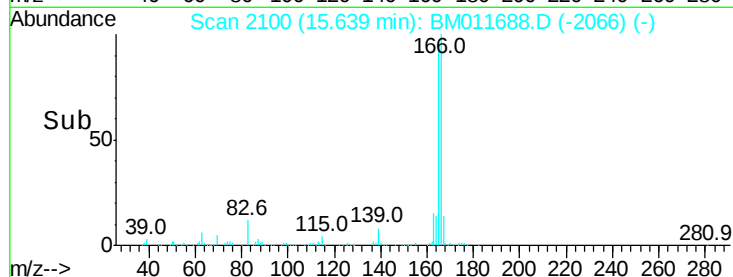
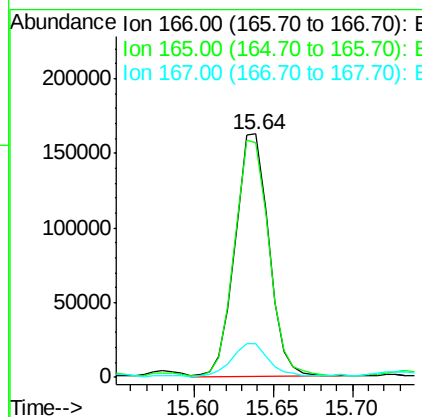
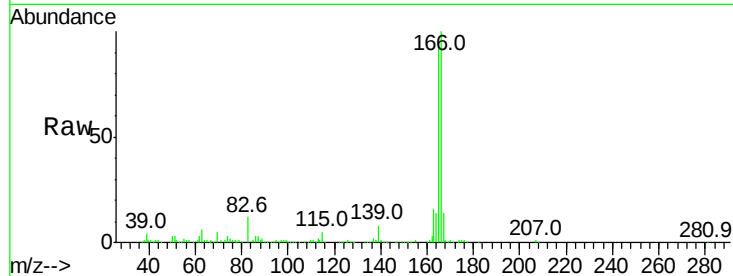




#59
Fluorene
 Concen: 3.241 ng/ul
 RT: 15.64 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BM011688.D
 Acq: 22 Sep 2017 12:11

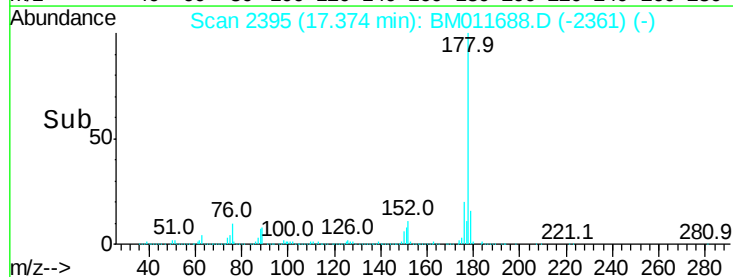
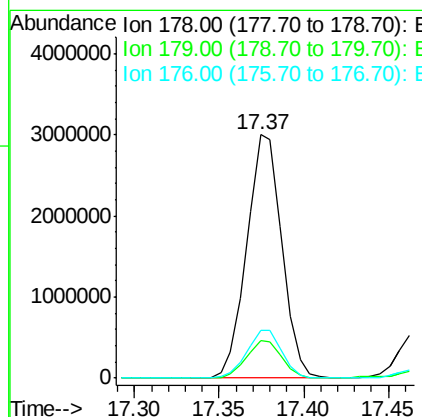
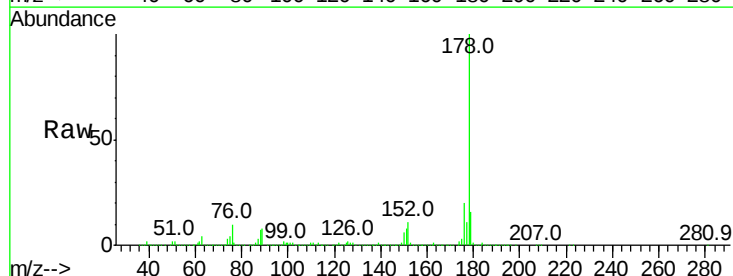
Instrument :
 BNA_M
 ClientSampleId :

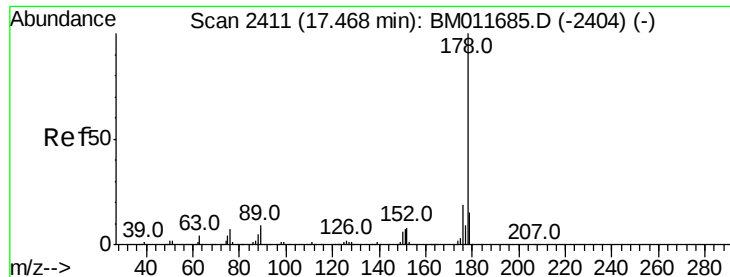
Tot Ion:166 Resp: 239494
 Ion Ratio Lower Upper
 166 100
 165 96.3 78.4 117.6
 167 13.8 11.1 16.7



#70
Phenanthrene
 Concen: 39.336 ng/ul
 RT: 17.37 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM011688.D
 Acq: 22 Sep 2017 12:11

Tgt Ion:178 Resp: 4345614
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 19.6 15.4 23.0





#72

Anthracene

Concen: 7.167 ng/ul

RT: 17.47 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

ClientSampleId :

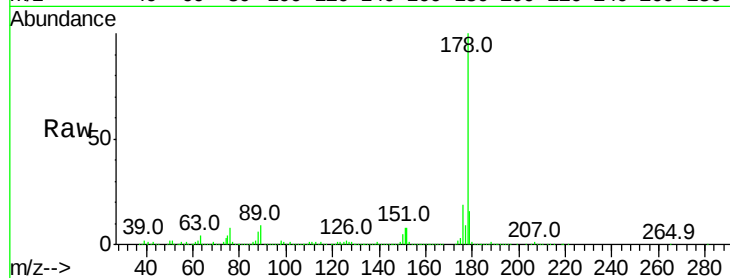
Tot Ion:178 Resp: 812416

Ion Ratio Lower Upper

178 100

179 15.8 13.4 20.2

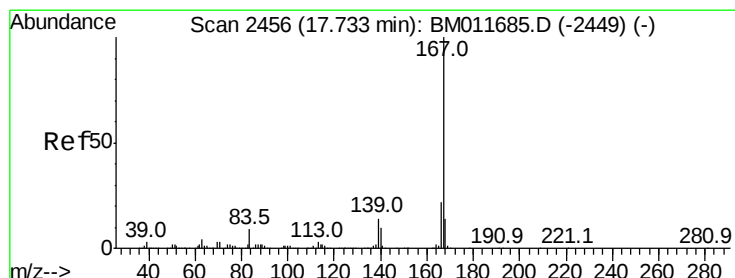
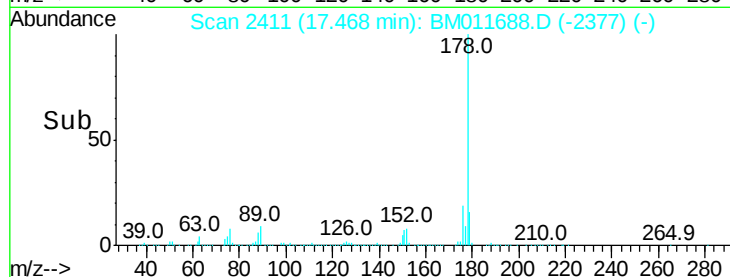
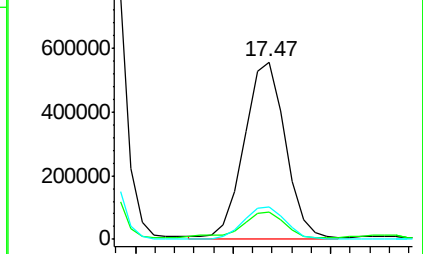
176 18.6 15.4 23.0



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: 4.341 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

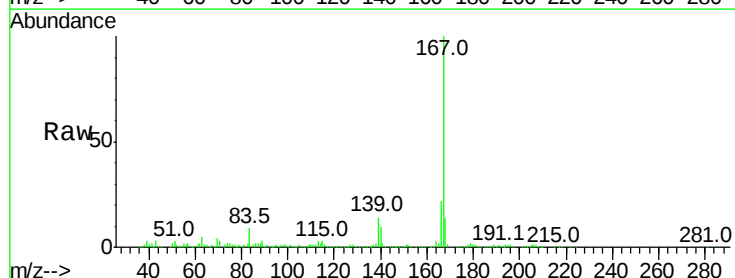
Tgt Ion:167 Resp: 419815

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.4

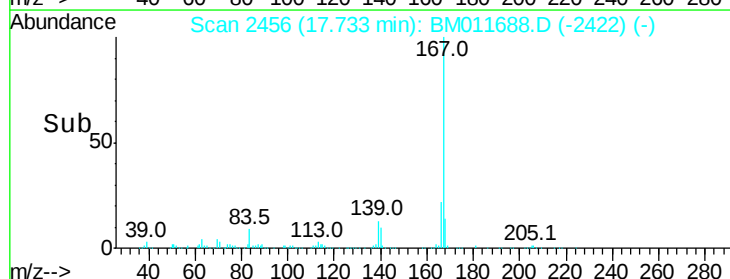
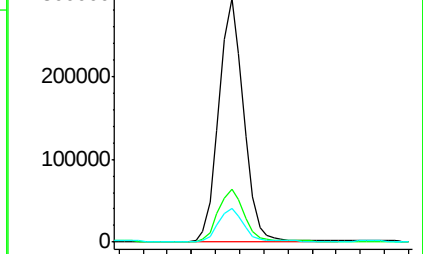
139 13.6 9.1 13.7

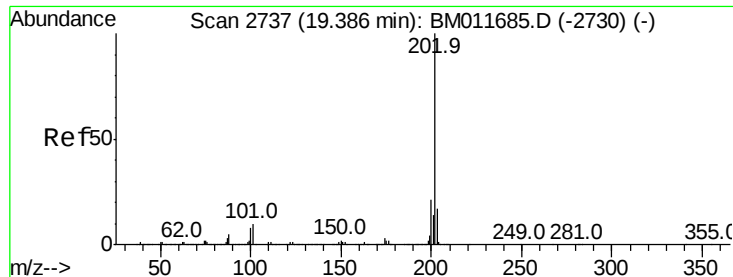


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 57.178 ng/ul

RT: 19.39 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

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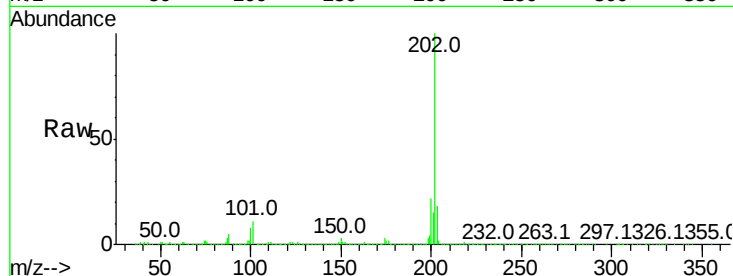
Tot Ion:202 Resp: 6497128

Ion	Ratio	Lower	Upper
202	100		
101	10.8	6.1	9.1#
100	8.0	4.6	7.0#

202 100

101 10.8 6.1 9.1#

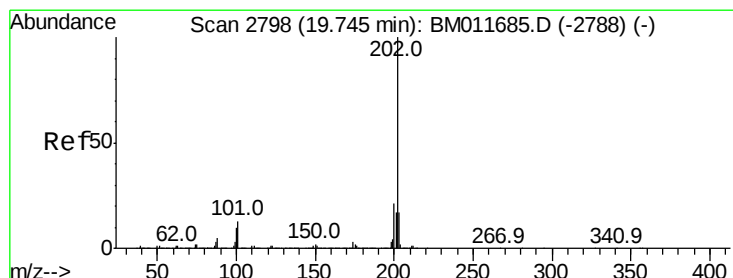
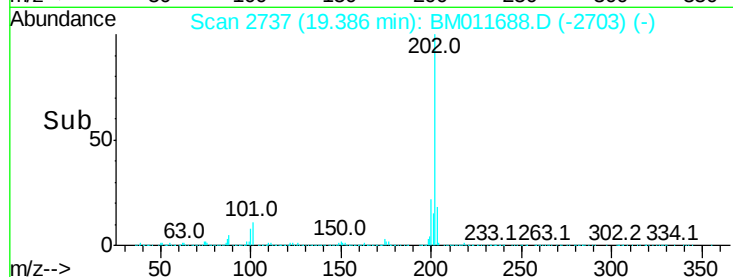
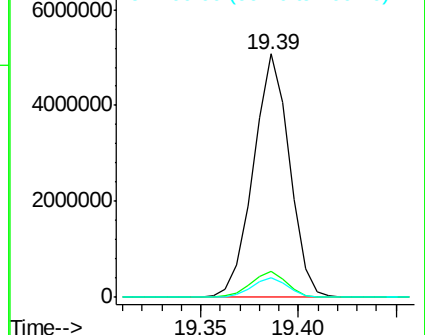
100 8.0 4.6 7.0#



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: 60.539 ng/ul

RT: 19.75 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

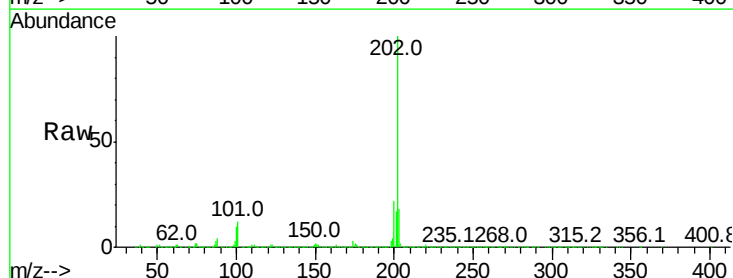
Tgt Ion:202 Resp: 5571122

Ion	Ratio	Lower	Upper
202	100		
101	11.9	6.9	10.3#
100	9.9	5.6	8.4#

202 100

101 11.9 6.9 10.3#

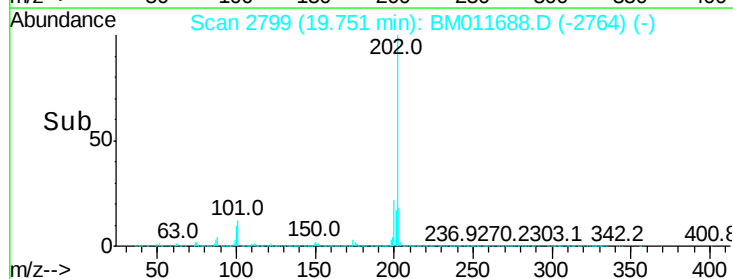
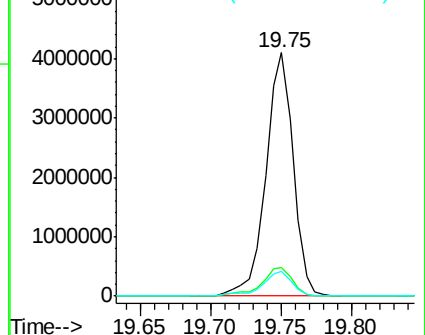
100 9.9 5.6 8.4#

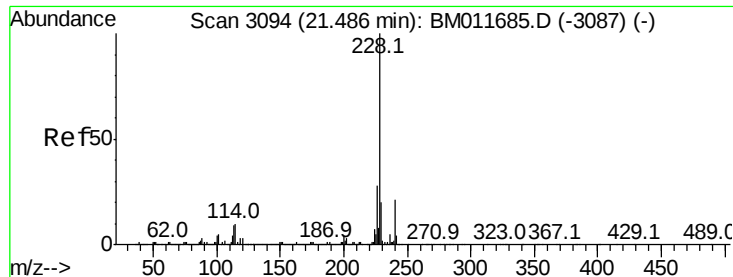


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 27.412 ng/ul

RT: 21.49 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

ClientSampled :

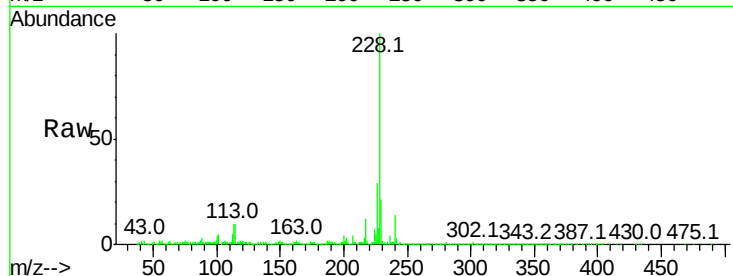
Tot Ion:228 Resp: 2380652

Ion Ratio Lower Upper

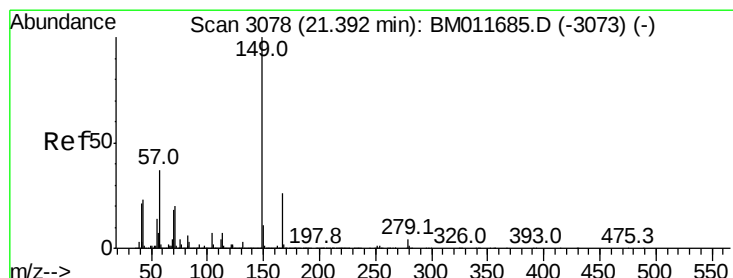
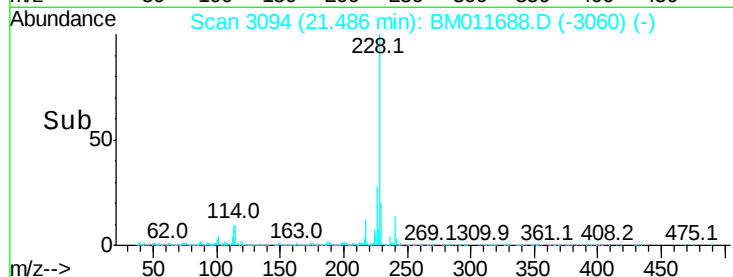
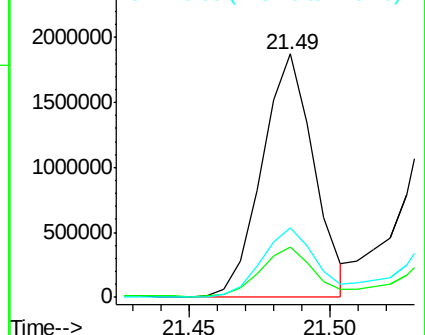
228 100

229 20.6 16.0 24.0

226 28.6 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: 1.548 ng/ul

RT: 21.39 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

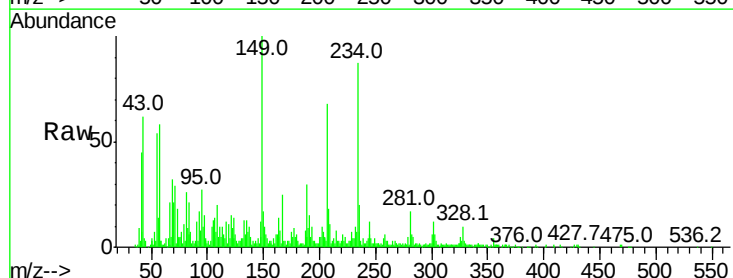
Tgt Ion:149 Resp: 100638

Ion Ratio Lower Upper

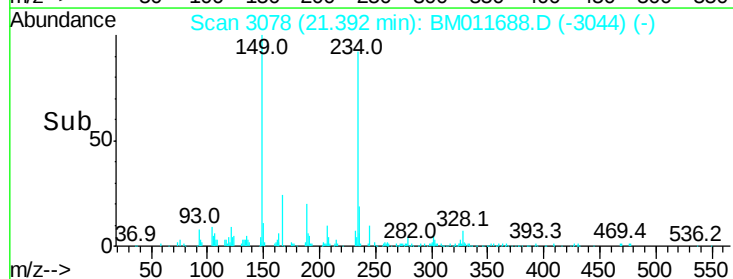
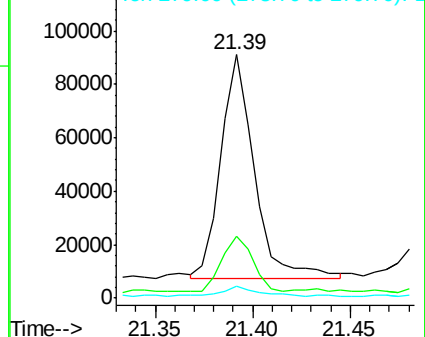
149 100

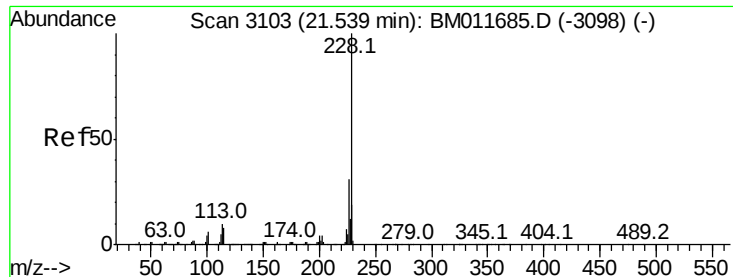
167 25.5 23.0 34.6

279 4.8 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: 30.175 ng/ul

RT: 21.54 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

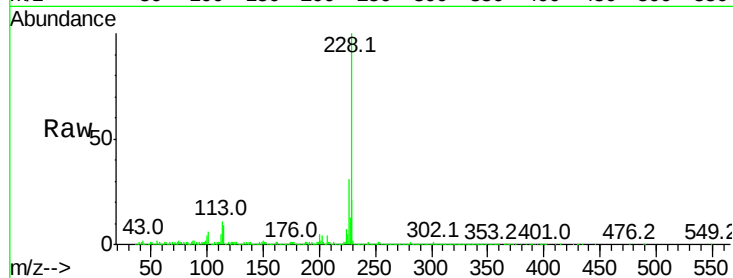
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2375723

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.1	36.1
229	20.8	16.0	24.0

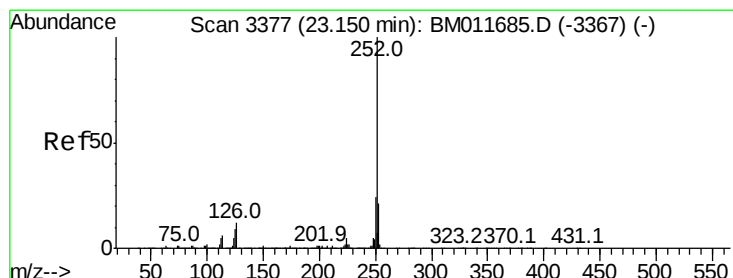
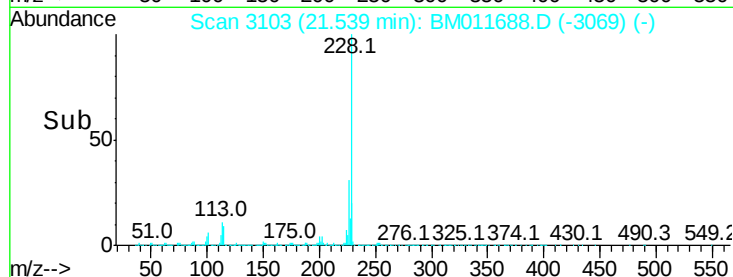
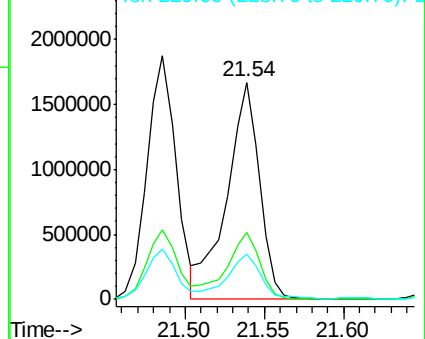


Abundance

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: 32.681 ng/ul

RT: 23.16 min Scan# 3378

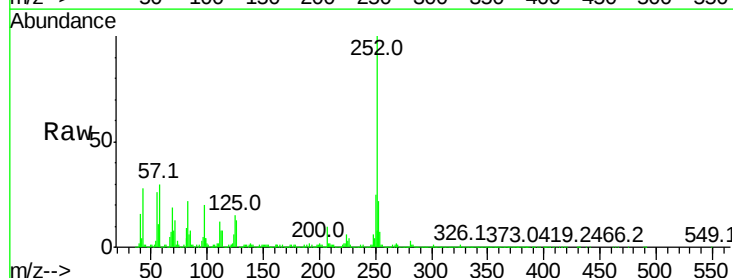
Delta R.T. 0.01 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Tgt Ion:252 Resp: 2677026

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	14.7	4.9	7.3

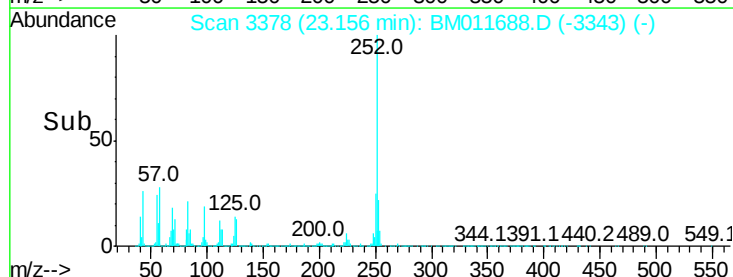
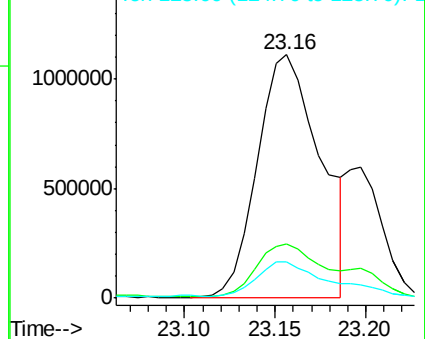


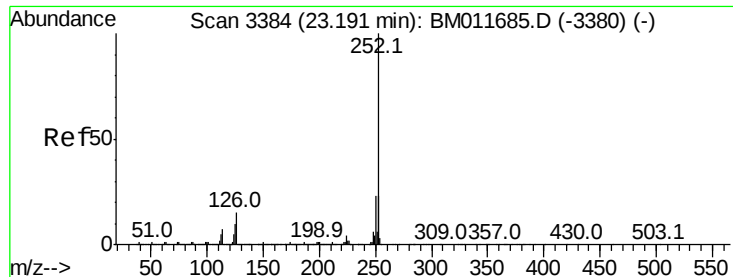
Abundance

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: 34.028 ng/ul

RT: 23.16 min Scan# 3378

Delta R.T. -0.04 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

Instrument :

BNA_M

ClientSampled :

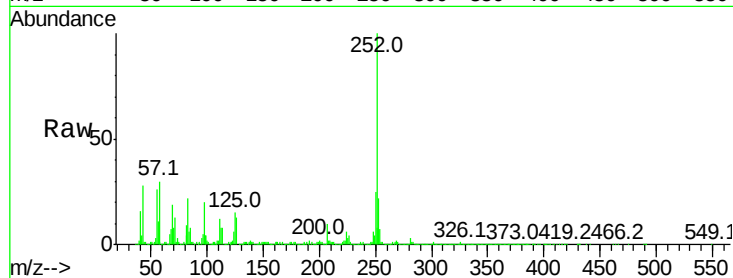
Tot Ion:252 Resp: 2677026

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

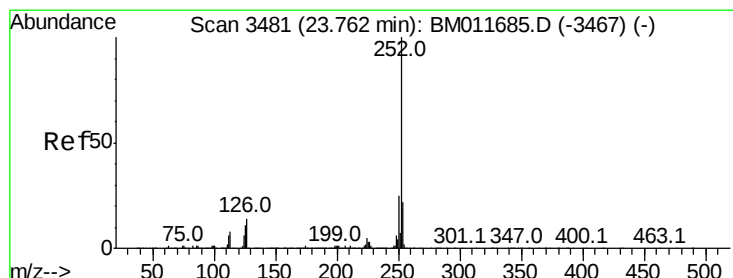
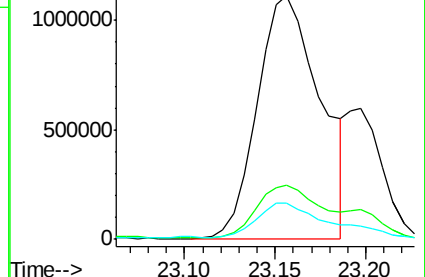
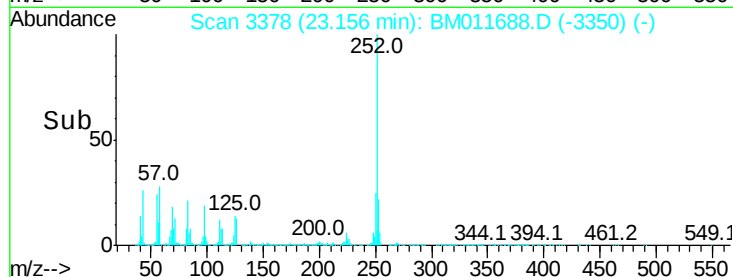
125 14.7 5.4 8.0#



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: 22.685 ng/ul

RT: 23.77 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM011688.D

Acq: 22 Sep 2017 12:11

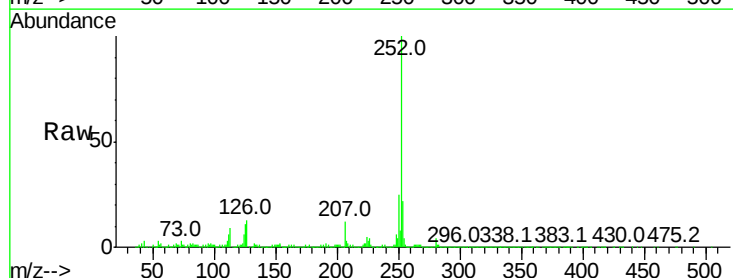
Tgt Ion:252 Resp: 1753987

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

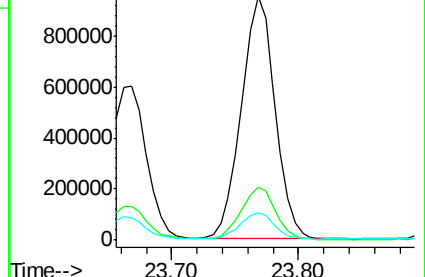
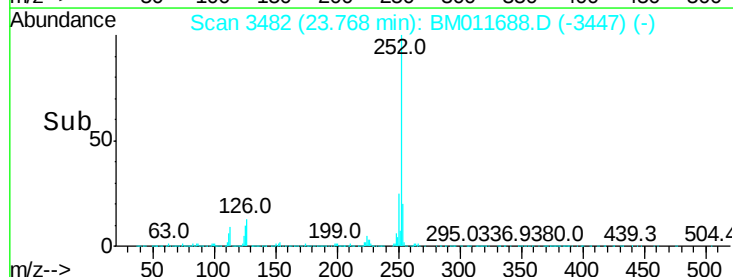
125 11.1 5.8 8.6#

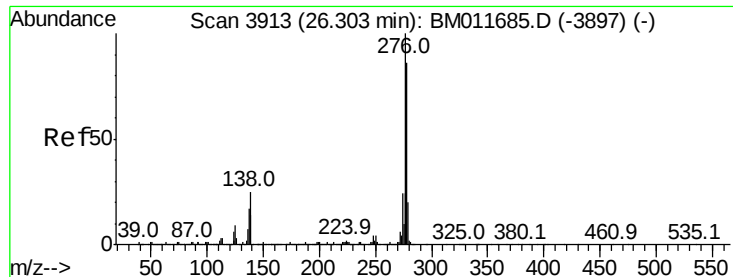


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



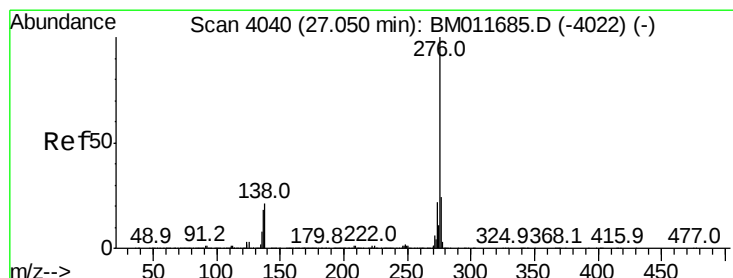
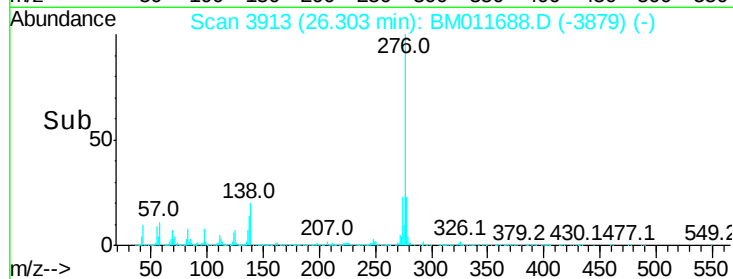
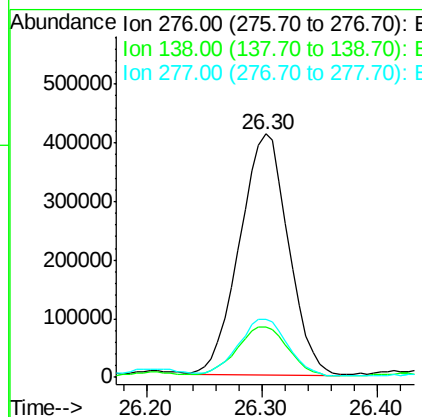
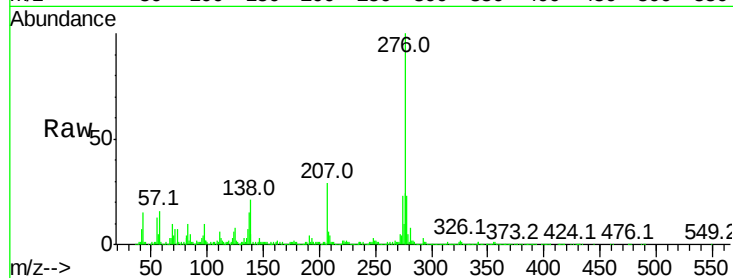


#92

Indeno(1,2,3-cd)pyrene
Concen: 14.231 ng/ul
RT: 26.30 min Scan# 3913
Delta R.T. 0.00 min
Lab File: BM011688.D
Acq: 22 Sep 2017 12:11

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 1210423
Ion Ratio Lower Upper
276 100
138 20.6 10.9 16.3#
277 23.6 18.9 28.3



#94

Benzo(g,h,i)perylene
Concen: 16.555 ng/ul
RT: 27.06 min Scan# 4041
Delta R.T. 0.01 min
Lab File: BM011688.D
Acq: 22 Sep 2017 12:11

Tgt Ion:276 Resp: 1140299
Ion Ratio Lower Upper
276 100
138 21.9 11.2 16.8#
277 24.4 19.0 28.6

