

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011673.D
 Acq On : 22 Sep 2017 02:54
 Operator : SJ/JU
 Sample : I5283-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 08:44:53 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	546635	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	2478198	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1388938	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2931386	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2280659	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1861915	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	43236	3.56	ng/uL	0.00
5) Phenol-d5	7.11	99	1142718	21.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	863436	24.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	917373	23.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	882514	21.54	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	466182	24.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	508229	25.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	898716	22.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	318990	7.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2842534	24.21	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3441980	24.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	281039	12.74	ng/ul	0.00
58) Fluorene-d10	15.58	176	2442526	24.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	288822	16.93	ng/ul	0.00
71) Anthracene-d10	17.43	188	3512950	24.34	ng/ul	0.00
79) Pyrene-d10	19.72	212	3696462	34.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	2231922	25.15	ng/ul	0.00

Target Compounds

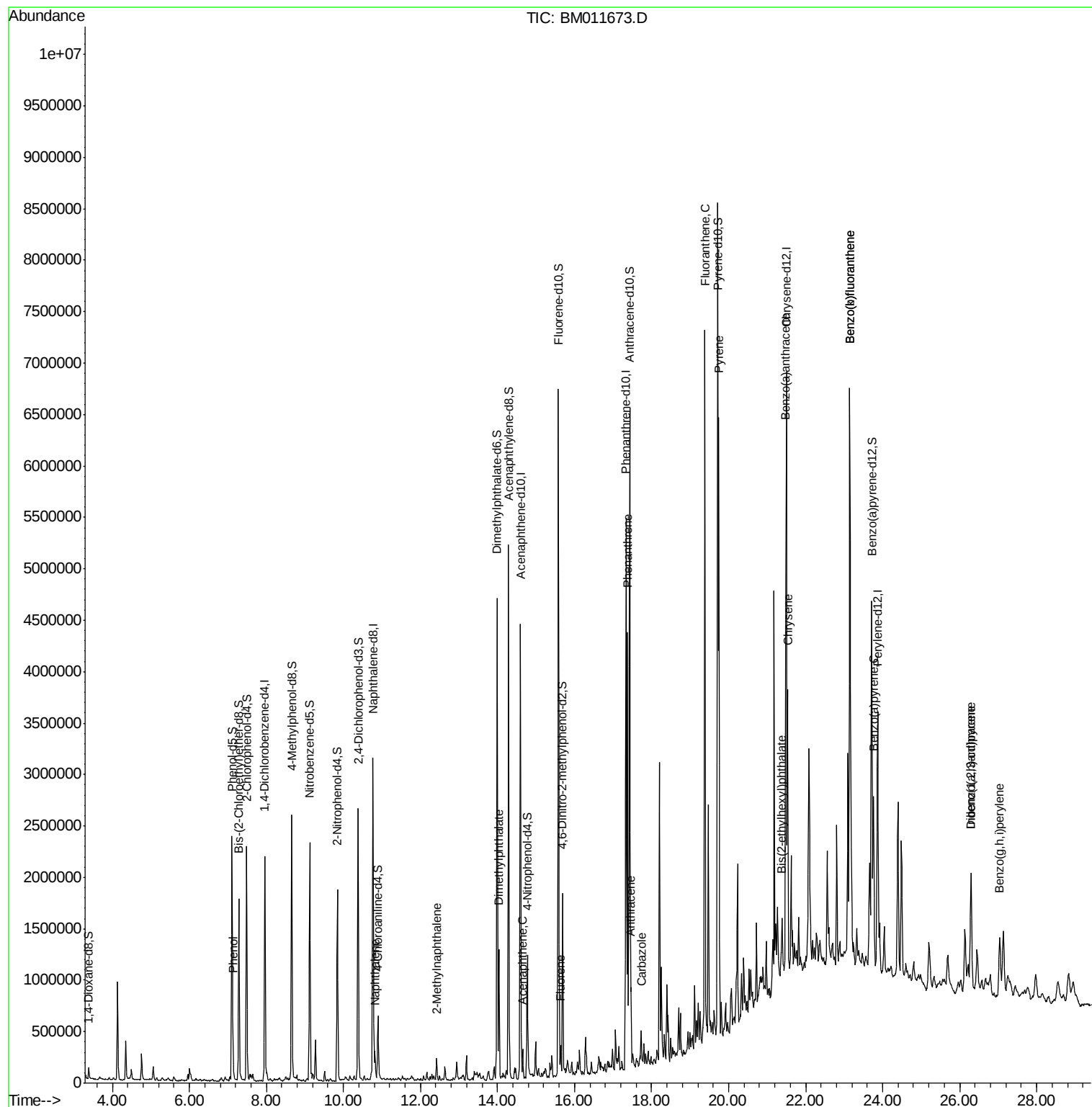
				Ovalue	
6) Phenol	7.13	94	75061	1.441 ng/ul#	83
28) Naphthalene	10.82	128	203697	1.585 ng/ul	99
34) 2-Methylnaphthalene	12.42	142	98756	1.035 ng/ul	98
45) Dimethylphthalate	14.04	163	698825	6.216 ng/ul#	99
50) Acenaphthene	14.66	153	112887	1.169 ng/ul	97
59) Fluorene	15.63	166	121809	1.076 ng/ul	97
70) Phenanthrene	17.37	178	2346264	14.360 ng/ul	99
72) Anthracene	17.46	178	479740	2.861 ng/ul	98
75) Carbazole	17.73	167	201686	1.410 ng/ul#	95
77) Fluoranthene	19.38	202	3765493	22.406 ng/ul#	92
80) Pyrene	19.74	202	3359196	25.245 ng/ul#	88
83) Benzo(a)anthracene	21.48	228	1511064	12.033 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	122719	1.306 ng/ul#	94
85) Chrysene	21.53	228	1418827	12.463 ng/ul	99
88) Benzo(b)fluoranthene	23.14	252	1694535	15.128 ng/ul#	92
89) Benzo(k)fluoranthene	23.14	252	1694535	15.752 ng/ul#	91
91) Benzo(a)pyrene	23.76	252	1095778	10.364 ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	26.29	276	740675	6.369 ng/ul#	91
93) Dibenzo(a,h)anthracene	26.29	278	196832	1.996 ng/ul#	83
94) Benzo(g,h,i)perylene	27.04	276	750693	7.970 ng/ul#	90

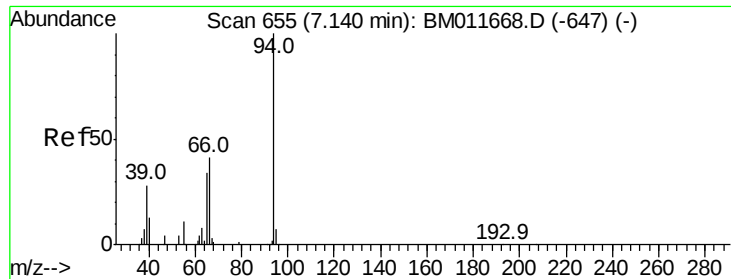
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.441 ng/ul

RT: 7.13 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

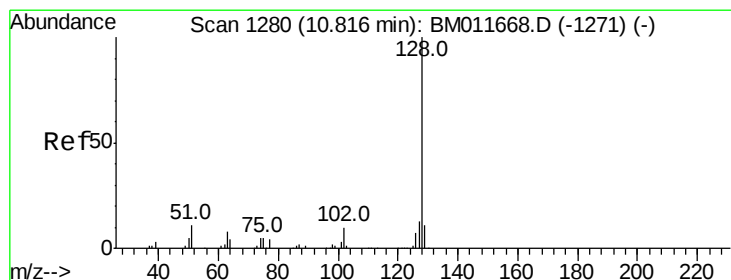
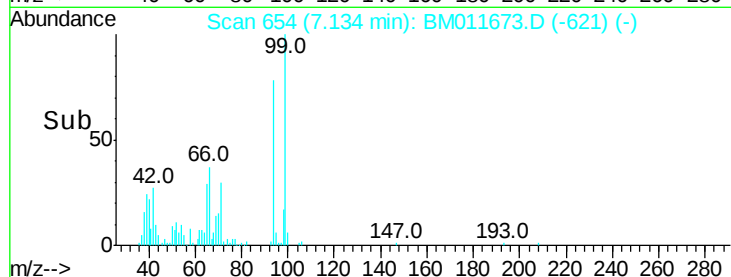
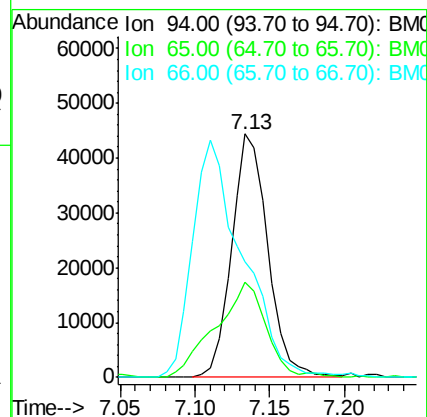
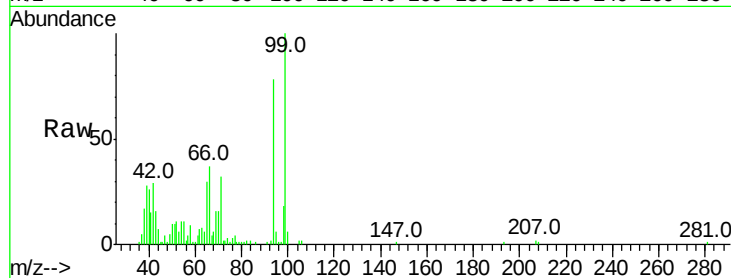
Tot Ion: 94 Resp: 75061

Ion Ratio Lower Upper

94 100

65 39.2 23.0 34.6#

66 47.3 30.4 45.6#



#28

Naphthalene

Concen: 1.585 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

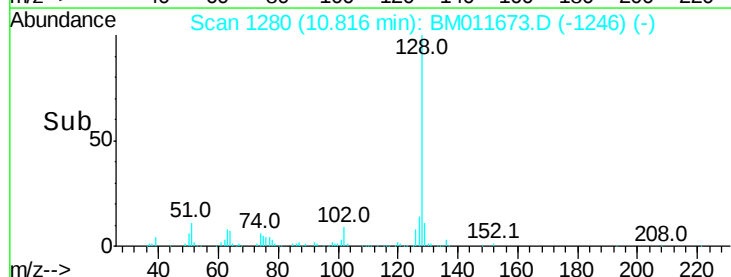
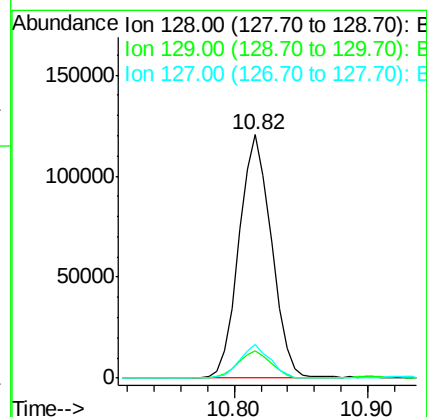
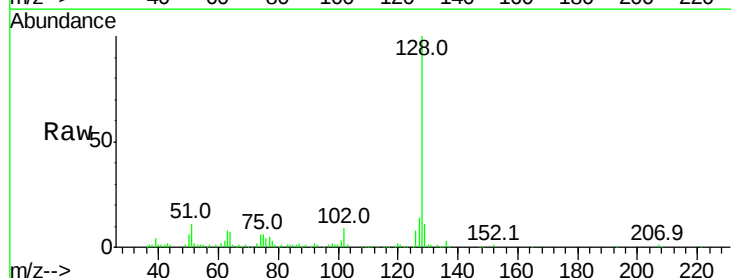
Tgt Ion: 128 Resp: 203697

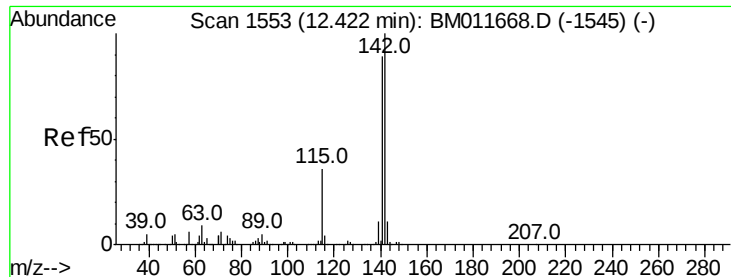
Ion Ratio Lower Upper

128 100

129 11.1 8.3 12.5

127 13.6 10.8 16.2

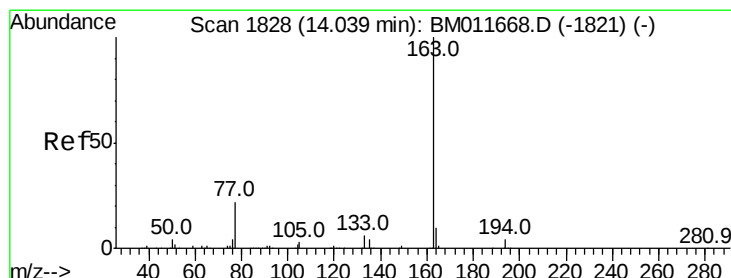
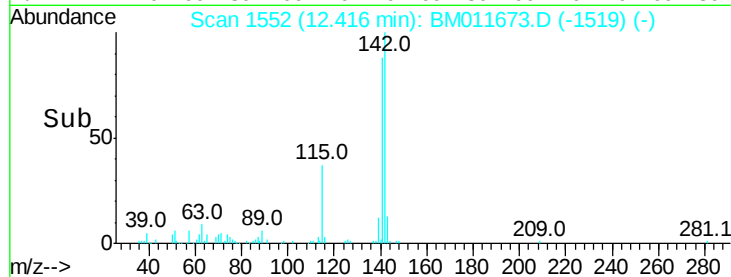
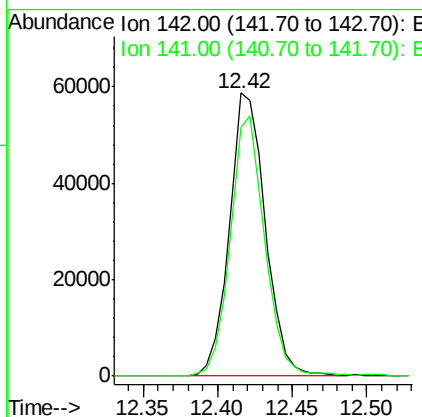
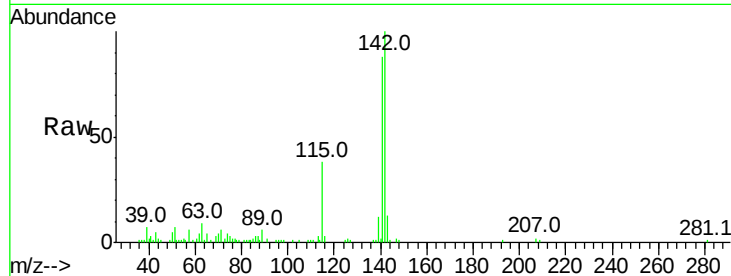




#34
 2-Methylnaphthalene
 Concen: 1.035 ng/ul
 RT: 12.42 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

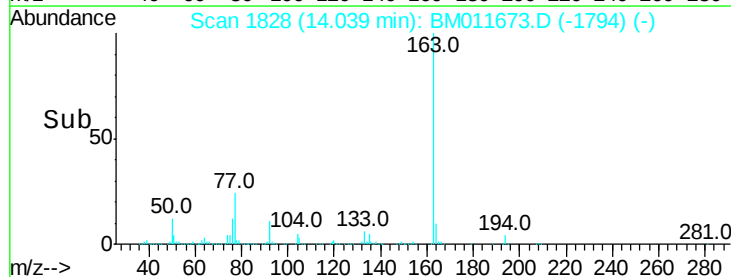
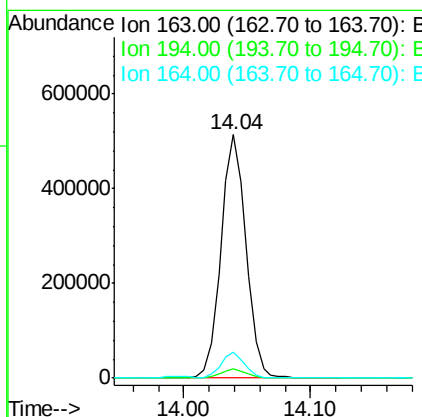
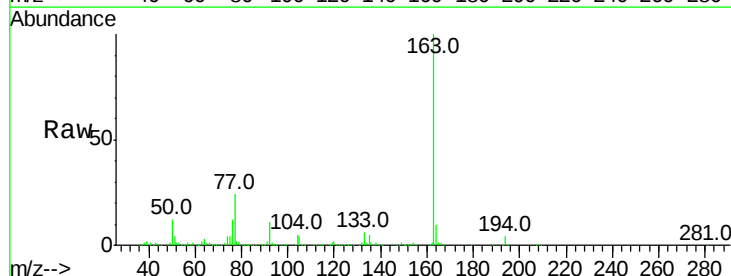
Instrument :
 BNA_M
 ClientSampleId :

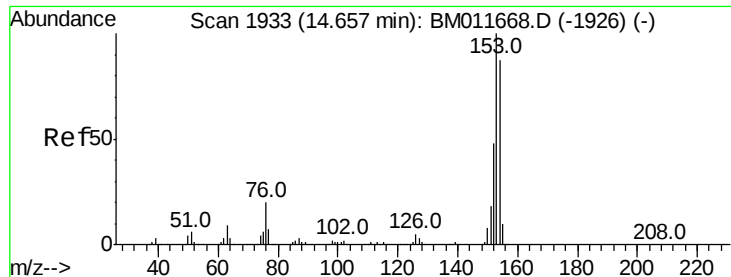
Tot Ion:142 Resp: 98756
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.4 107.2



#45
 Dimethylphthalate
 Concen: 6.216 ng/ul
 RT: 14.04 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Tgt Ion:163 Resp: 698825
 Ion Ratio Lower Upper
 163 100
 194 3.9 4.0 6.0#
 164 10.5 8.4 12.6





#50

Acenaphthene

Concen: 1.169 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

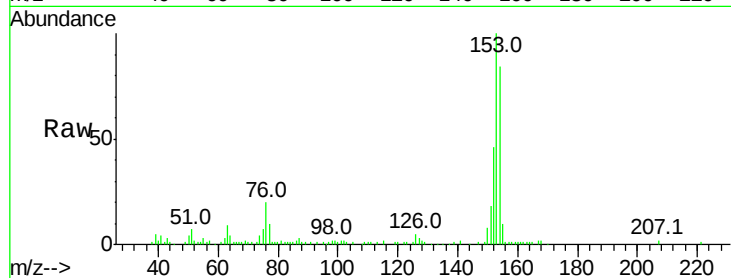
Tot Ion:153 Resp: 112887

Ion Ratio Lower Upper

153 100

152 45.7 37.9 56.9

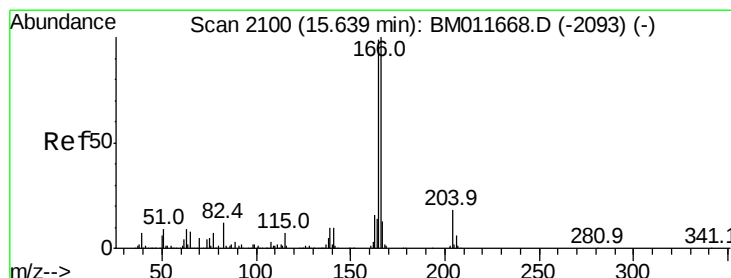
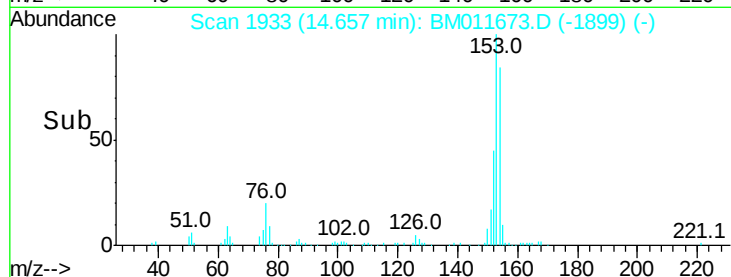
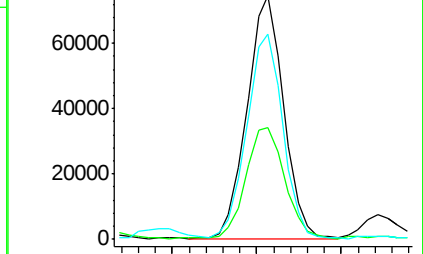
154 84.4 69.8 104.6



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



#59

Fluorene

Concen: 1.076 ng/ul

RT: 15.63 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

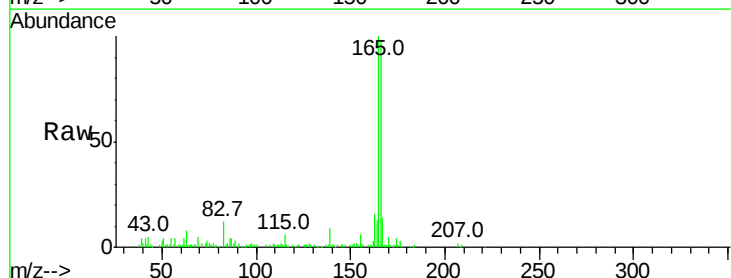
Tgt Ion:166 Resp: 121809

Ion Ratio Lower Upper

166 100

165 101.8 78.4 117.6

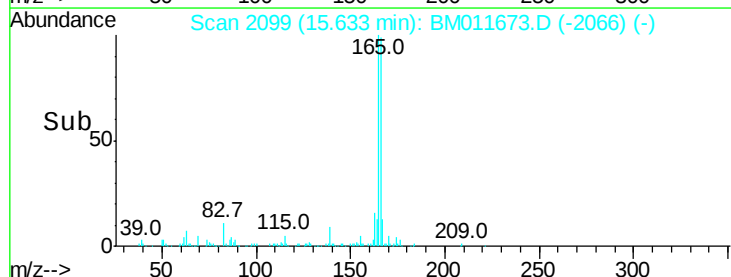
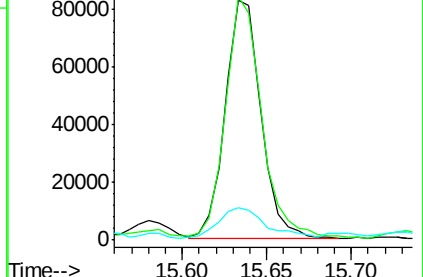
167 13.8 11.1 16.7

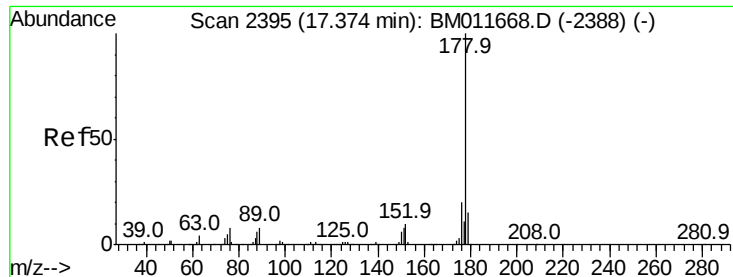


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 14.360 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

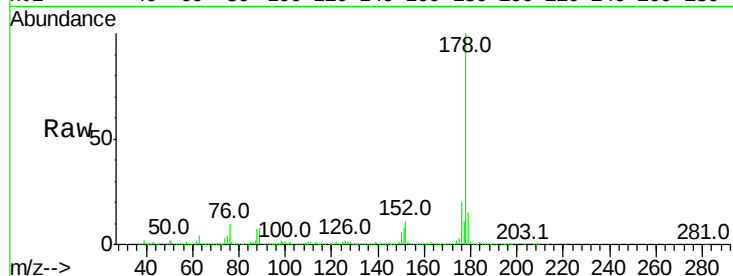
Tot Ion:178 Resp: 2346264

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.9	15.4	23.0

178 100

179 15.2 12.3 18.5

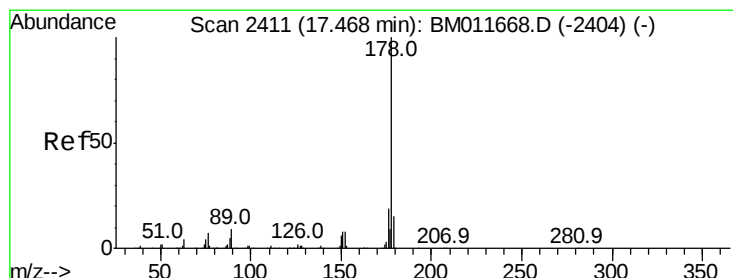
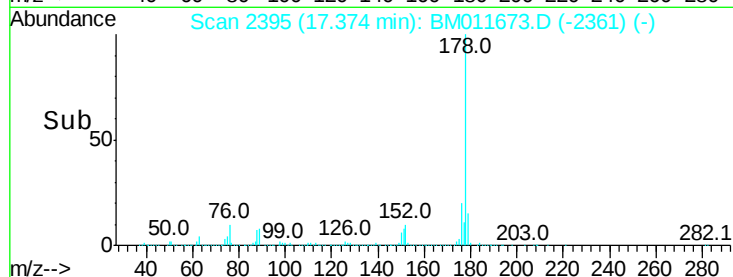
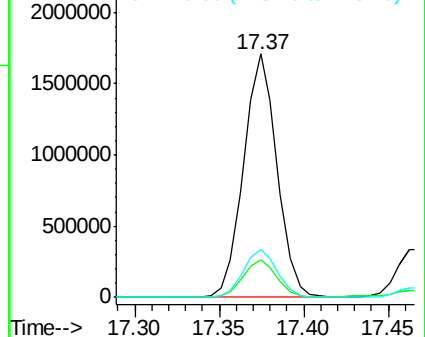
176 19.9 15.4 23.0



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: 2.861 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

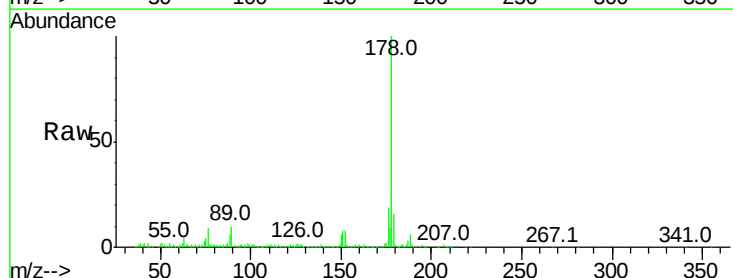
Tgt Ion:178 Resp: 479740

Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.9	15.4	23.0

178 100

179 15.6 13.4 20.2

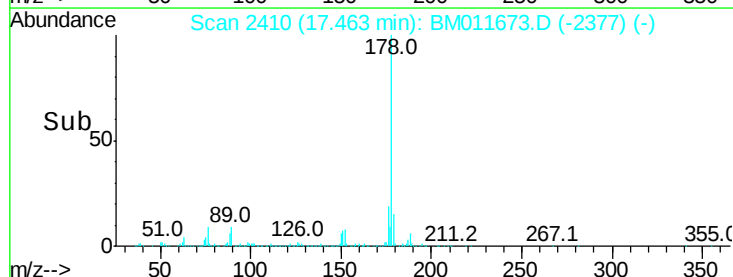
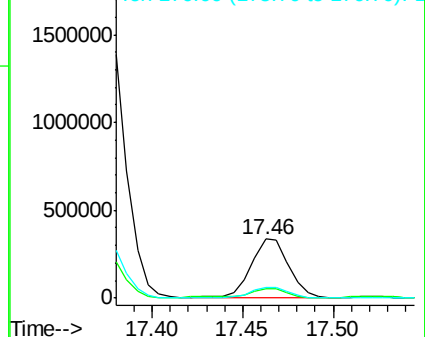
176 18.9 15.4 23.0

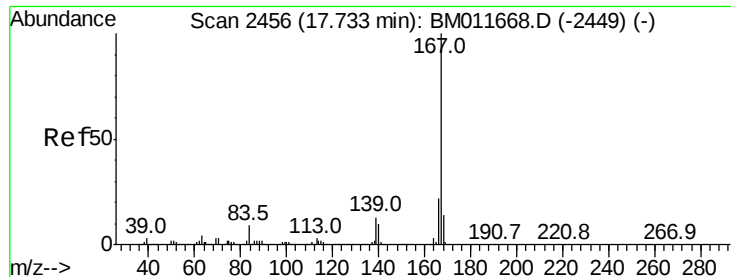


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.410 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

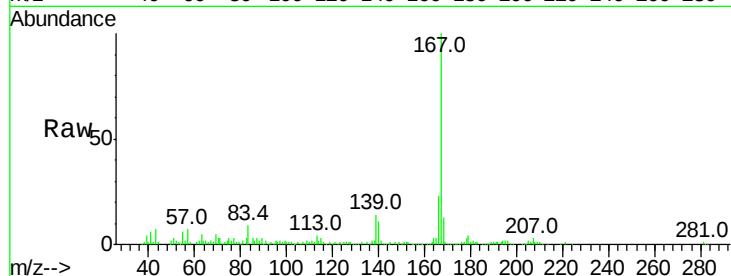
Tot Ion:167 Resp: 201686

Ion Ratio Lower Upper

167 100

166 22.8 17.0 25.4

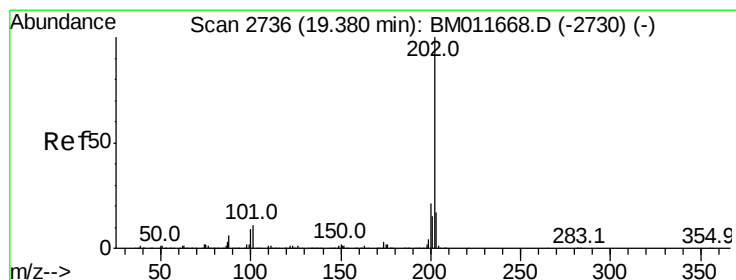
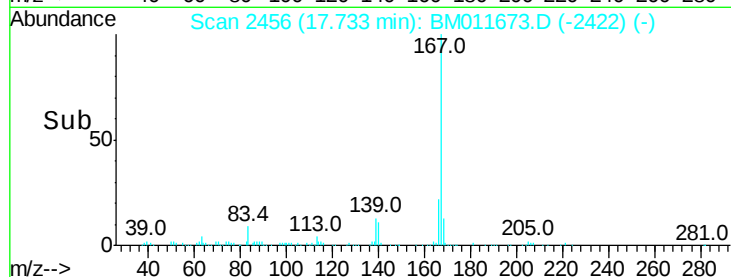
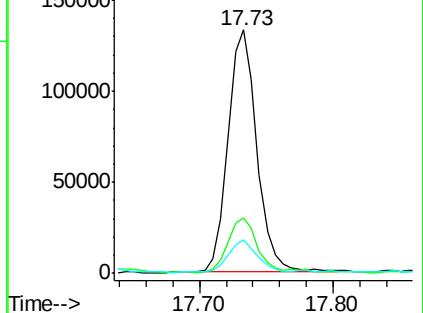
139 14.0 9.1 13.7#



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: 22.406 ng/ul

RT: 19.38 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

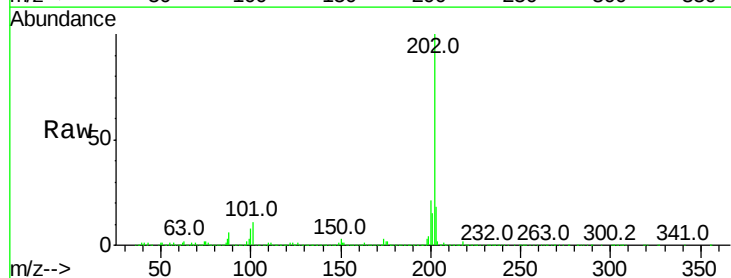
Tgt Ion:202 Resp: 3765493

Ion Ratio Lower Upper

202 100

101 10.7 6.1 9.1#

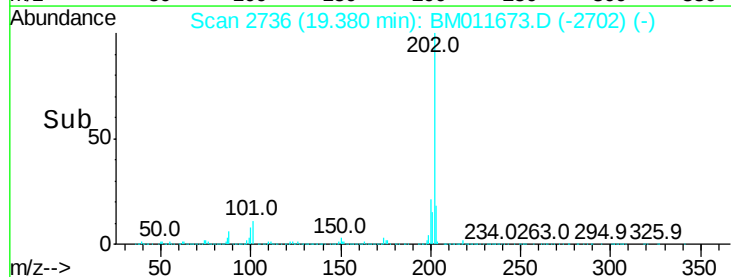
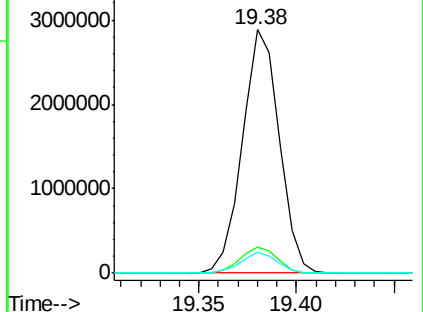
100 8.4 4.6 7.0#

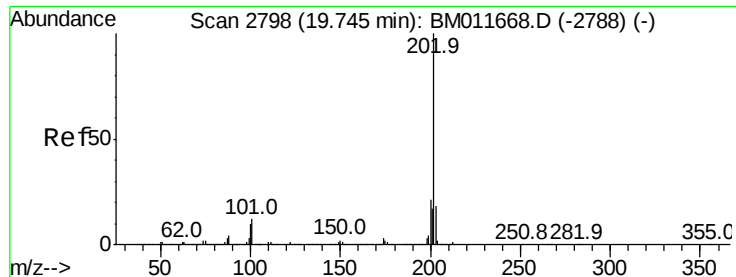


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

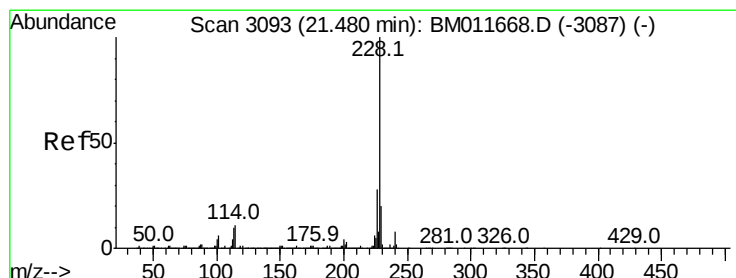
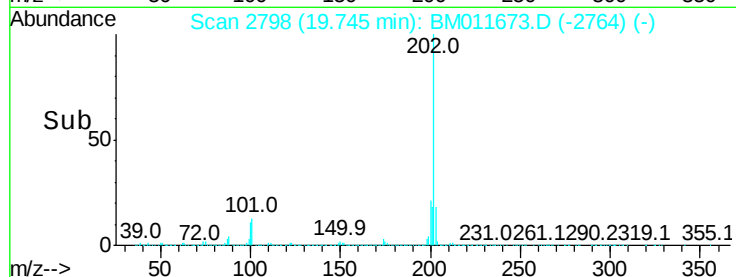
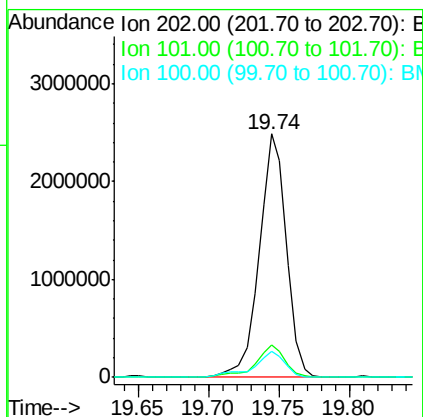
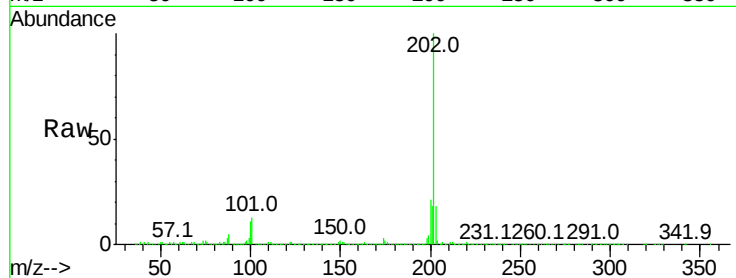




#80
Pvrene
Concen: 25.245 ng/ul
RT: 19.74 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

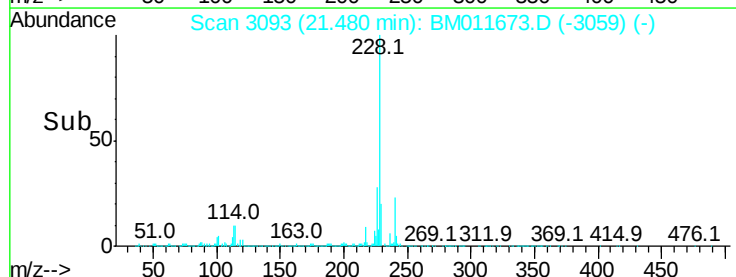
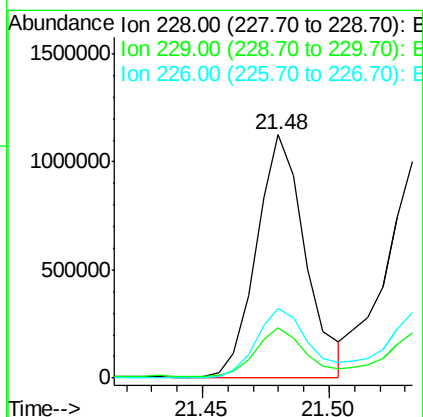
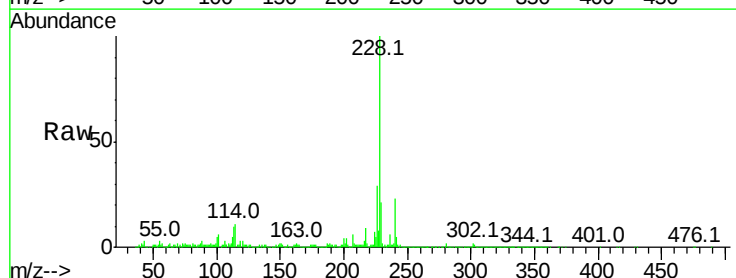
Instrument :
BNA_M
ClientSampleId :

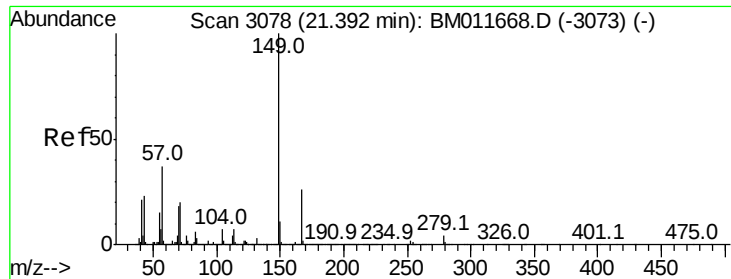
Tot Ion:202 Resp: 3359196
Ion Ratio Lower Upper
202 100
101 13.2 6.9 10.3#
100 10.5 5.6 8.4#



#83
Benzo(a)anthracene
Concen: 12.033 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Tgt Ion:228 Resp: 1511064
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.6 21.8 32.8

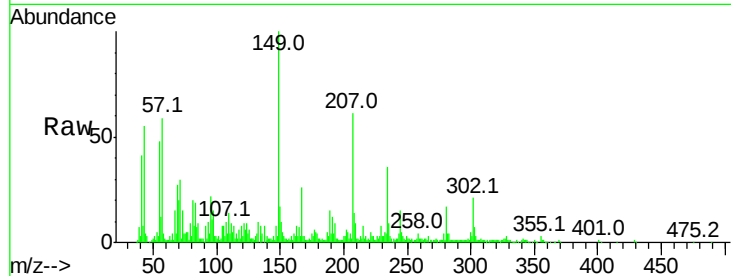




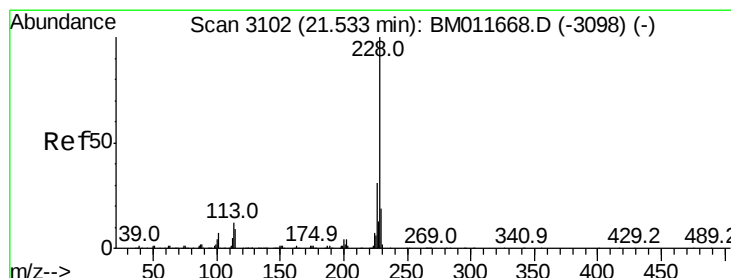
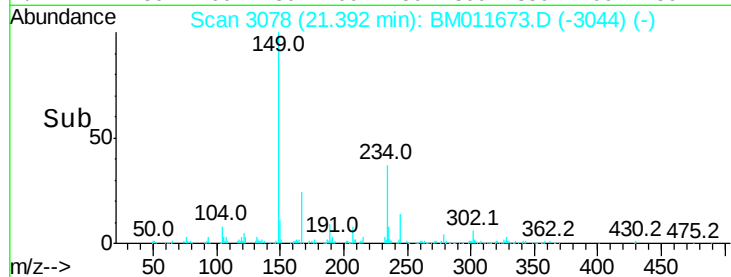
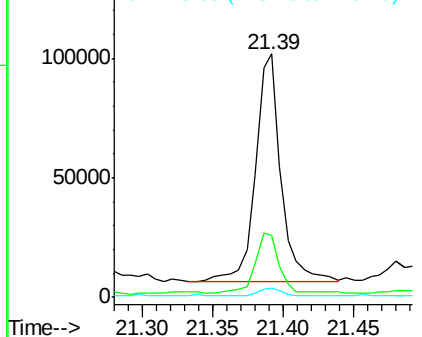
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.306 ng/ul
 RT: 21.39 min Scan# 3078
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.5	23.0	34.6
279	3.8	4.3	6.5#

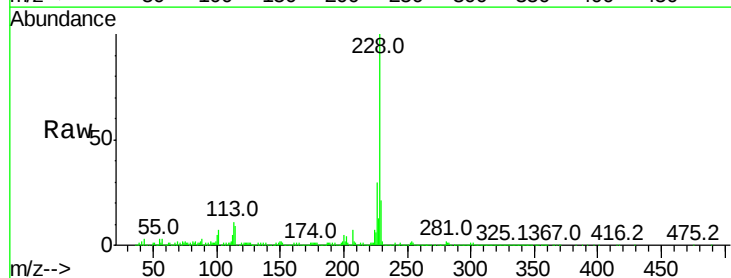


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

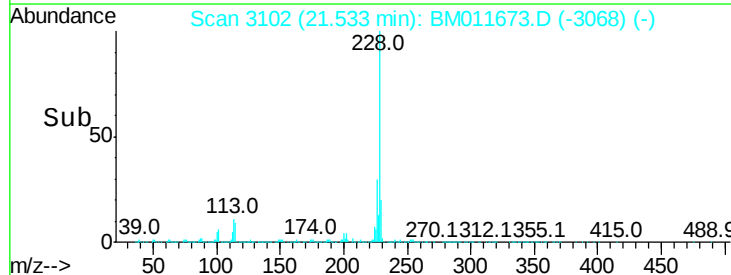
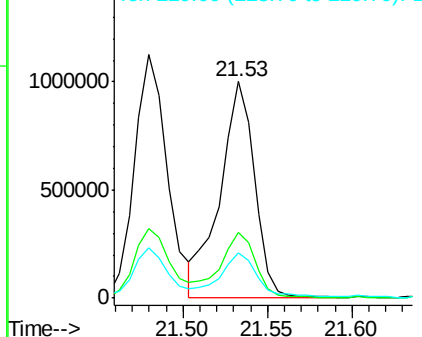


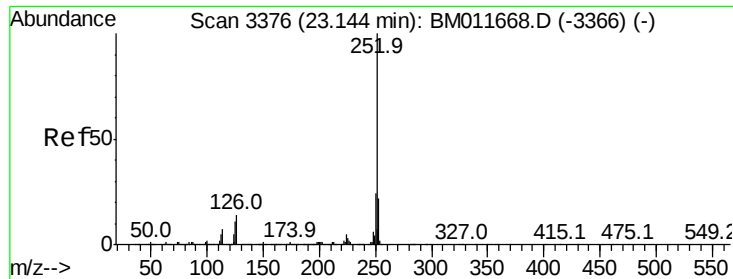
#85
 Chrysene
 Concen: 12.463 ng/ul
 RT: 21.53 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: BM011673.D
 Acq: 22 Sep 2017 02:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	20.7	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: 15.128 ng/ul

RT: 23.14 min Scan# 3376

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

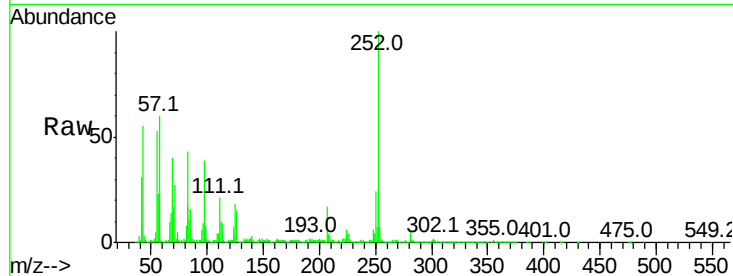
Tot Ion:252 Resp: 1694535

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

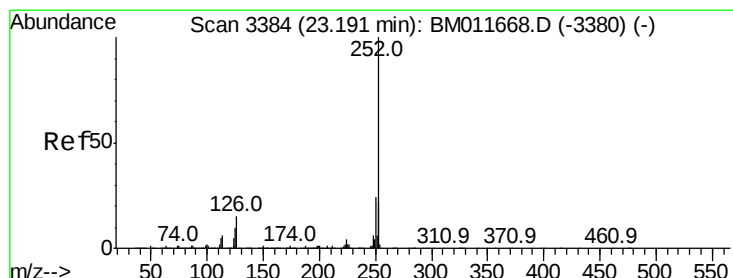
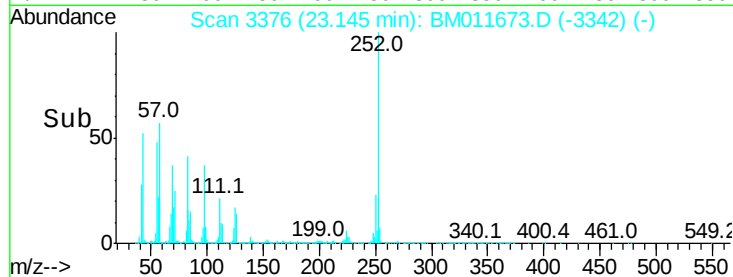
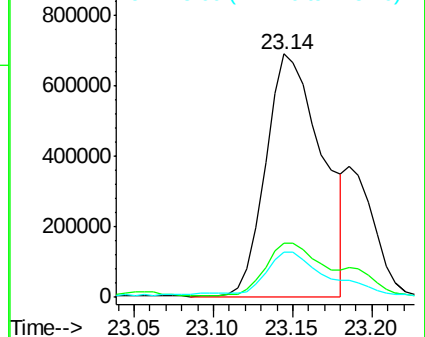
125 18.3 4.9 7.3#



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: 15.752 ng/ul

RT: 23.14 min Scan# 3376

Delta R.T. -0.05 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

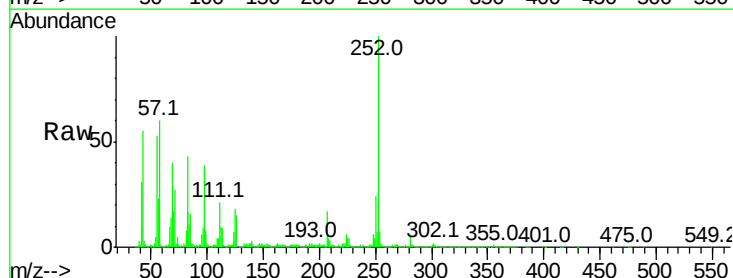
Tgt Ion:252 Resp: 1694535

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

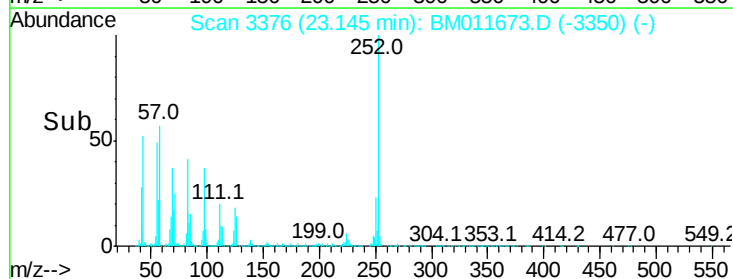
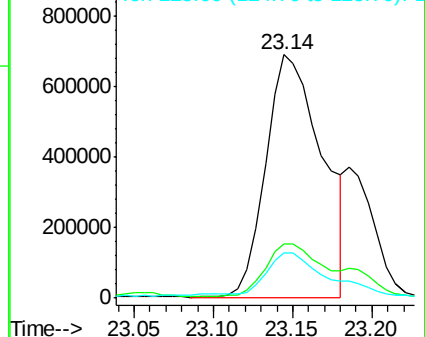
125 18.3 5.4 8.0#

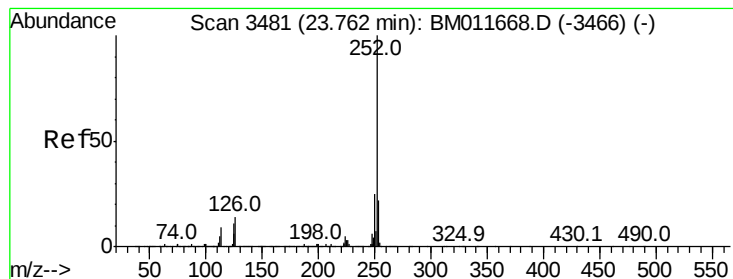


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 10.364 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. 0.00 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

Instrument :

BNA_M

ClientSampleId :

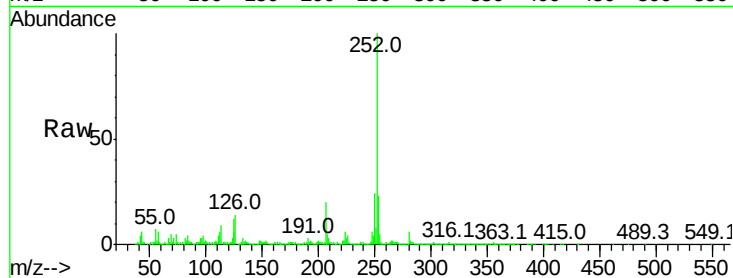
Tot Ion:252 Resp: 1095778

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

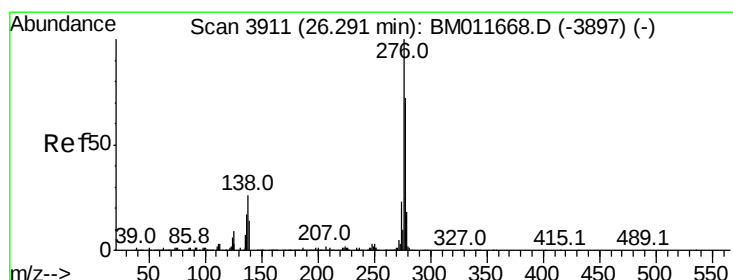
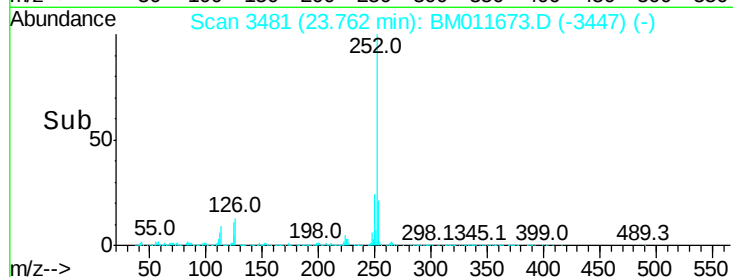
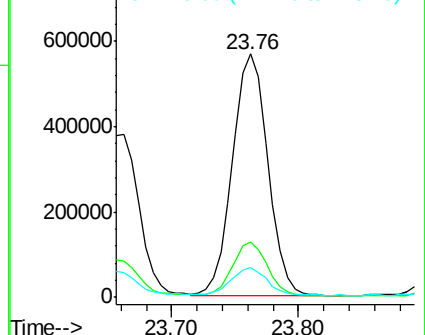
125 12.2 5.8 8.6#



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: 6.369 ng/ul

RT: 26.29 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM011673.D

Acq: 22 Sep 2017 02:54

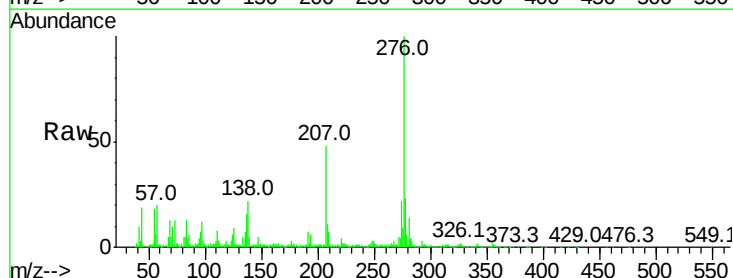
Tgt Ion:276 Resp: 740675

Ion Ratio Lower Upper

276 100

138 22.5 10.9 16.3#

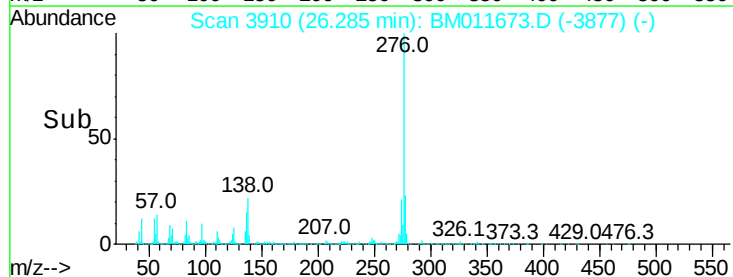
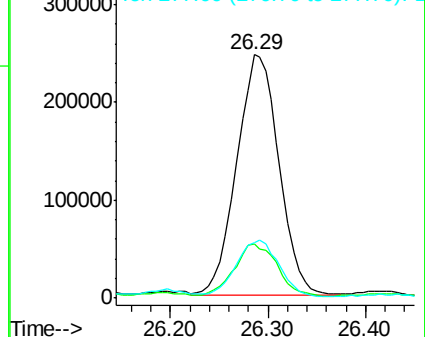
277 22.8 18.9 28.3

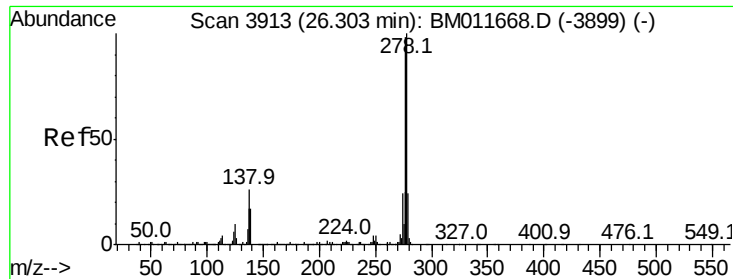


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

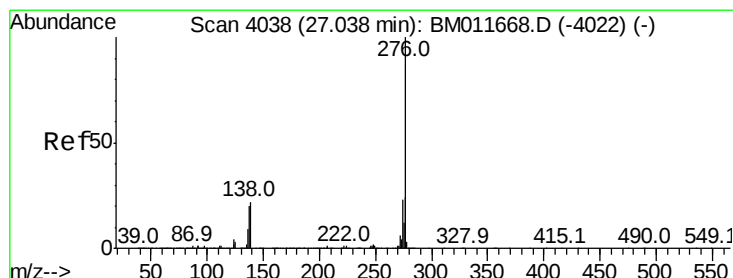
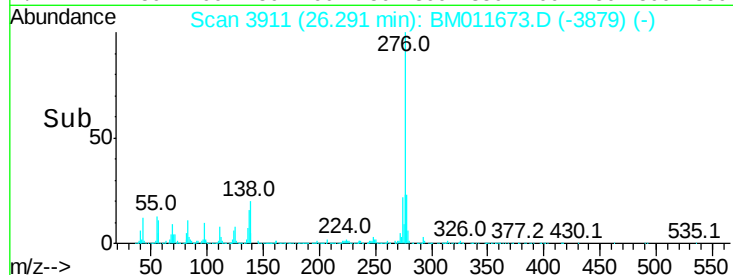
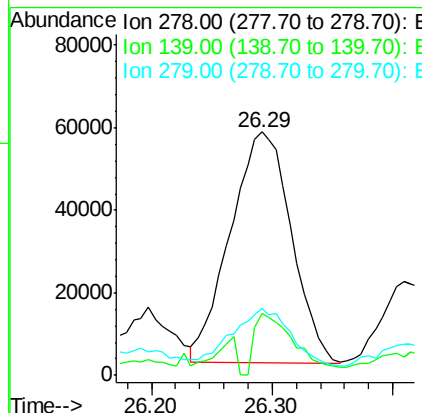
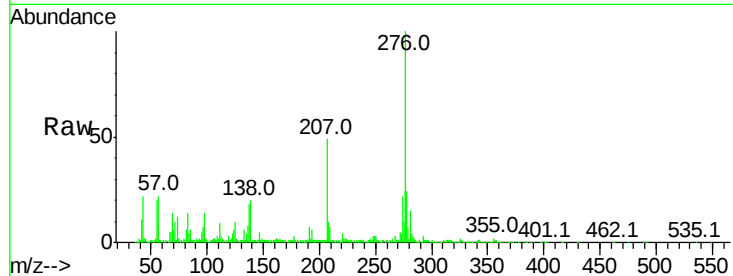




#93
Dibenzo(a,h)anthracene
Concen: 1.996 ng/ul
RT: 26.29 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 196832
Ion Ratio Lower Upper
278 100
139 25.4 9.0 13.4#
279 27.5 19.1 28.7



#94
Benzo(g,h,i)perylene
Concen: 7.970 ng/ul
RT: 27.04 min Scan# 4038
Delta R.T. 0.00 min
Lab File: BM011673.D
Acq: 22 Sep 2017 02:54

Tgt Ion:276 Resp: 750693
Ion Ratio Lower Upper
276 100
138 22.9 11.2 16.8#
277 25.0 19.0 28.6

