

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010690.D
 Acq On : 23 Jun 2017 14:04
 Operator : SJ/JU
 Sample : I3625-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D15

Quant Time: Jun 24 03:37:51 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 24 03:35:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	82914	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	384443	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	257208	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	596556	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	487877	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	353529	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3502	2.42	ng/uL	0.00
5) Phenol-d5	6.65	99	108303	13.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	56968	12.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	84543	15.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	89739	13.70	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	41016	14.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	51411	16.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	105247	15.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	107191	15.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	380647	16.86	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	380588	14.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	77891	19.60	ng/ul	0.00
57) Fluorene-d10	15.11	176	314962	16.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	83167	22.70	ng/ul	0.00
70) Anthracene-d10	16.87	188	596556	20.71	ng/ul	-0.09
76) Pyrene-d10	19.28	212	934228	41.22	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	596264	34.89	ng/ul	0.00

Target Compounds

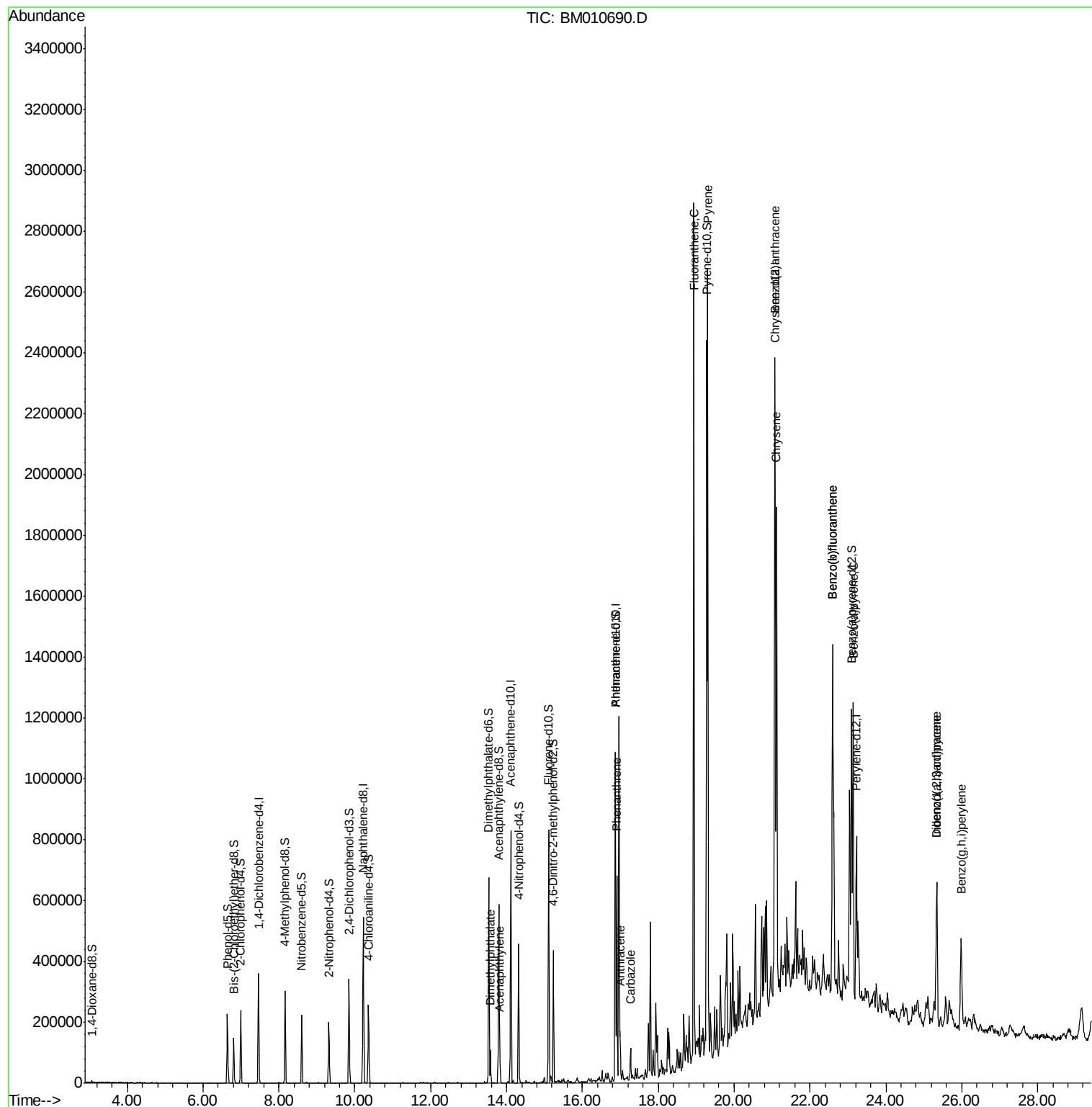
					Qvalue	
44) Dimethylphthalate	13.58	163	60590	2.738	ng/ul	99
47) Acenaphthylene	13.83	152	47780	1.910	ng/ul	96
69) Phenanthrene	16.91	178	359661	11.340	ng/ul	97
71) Anthracene	17.00	178	88536	2.710	ng/ul	98
72) Carbazole	17.27	167	54531	1.913	ng/ul#	94
74) Fluoranthene	18.94	202	1599429	39.131	ng/ul#	96
77) Pyrene	19.31	202	1491853	52.940	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	827979	29.143	ng/ul	99
82) Chrysene	21.12	228	832205	32.853	ng/ul	98
85) Benzo(b)fluoranthene	22.60	252	957099	41.706	ng/ul#	99
86) Benzo(k)fluoranthene	22.60	252	957099	43.993	ng/ul#	98
88) Benzo(a)pyrene	23.14	252	621871	29.435	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.34	276	419498	19.145	ng/ul	98
90) Dibenzo(a,h)anthracene	25.34	278	117093	6.412	ng/ul#	93
91) Benzo(g,h,i)perylene	25.99	276	354345	20.315	ng/ul	98

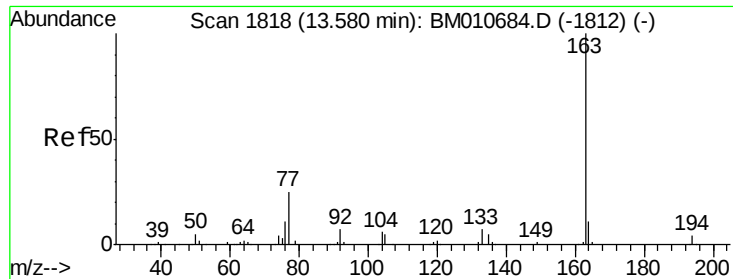
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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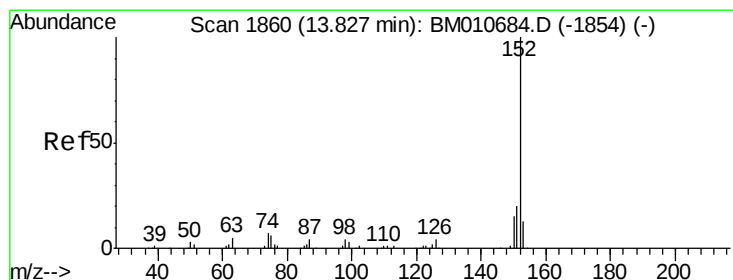
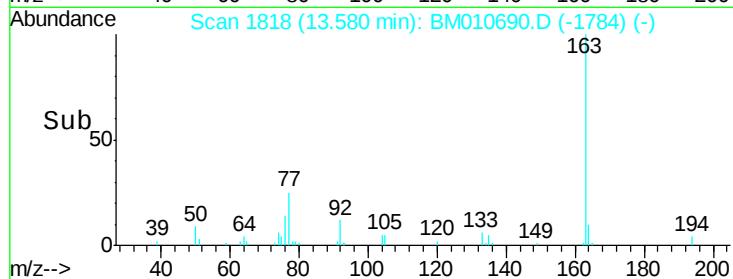
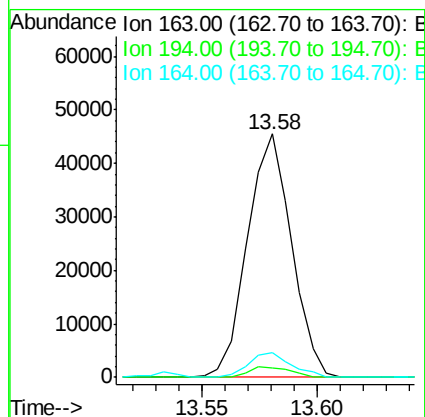
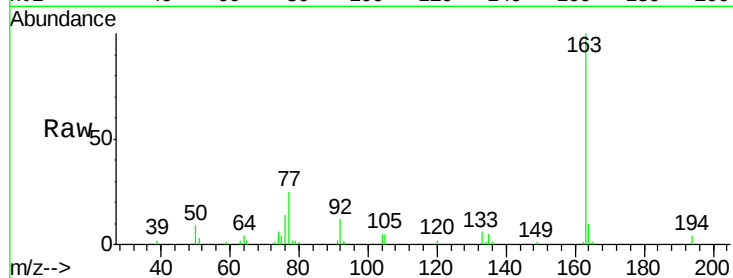




#44
Dimethylphthalate
Concen: 2.738 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM010690.D
Acq: 23 Jun 2017 14:04

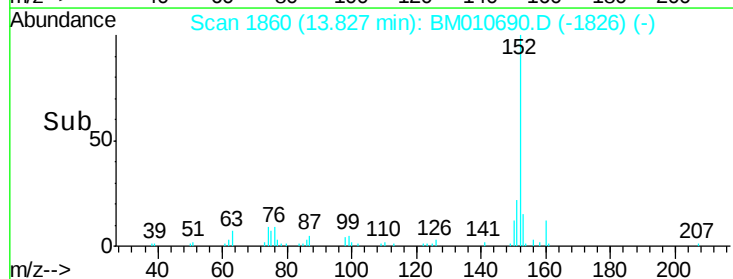
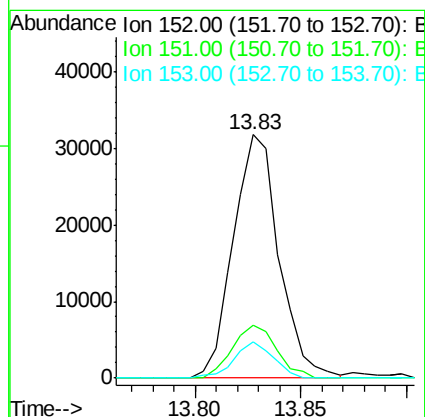
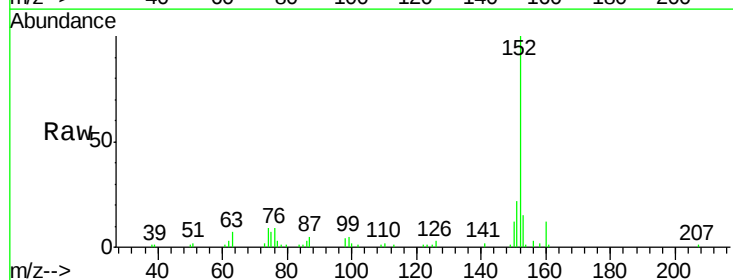
Instrument :
BNA_M
ClientSampleId :
F5D15

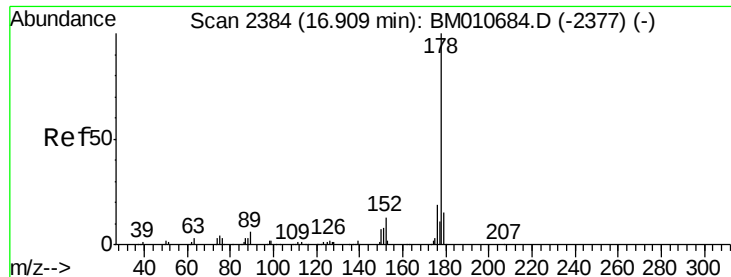
Tgt Ion:163 Resp: 60590
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 9.9 8.2 12.4



#47
Acenaphthylene
Concen: 1.910 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM010690.D
Acq: 23 Jun 2017 14:04

Tgt Ion:152 Resp: 47780
Ion Ratio Lower Upper
152 100
151 21.6 16.3 24.5
153 15.1 10.2 15.4





#69

Phenanthrene

Concen: 11.340 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

F5D15

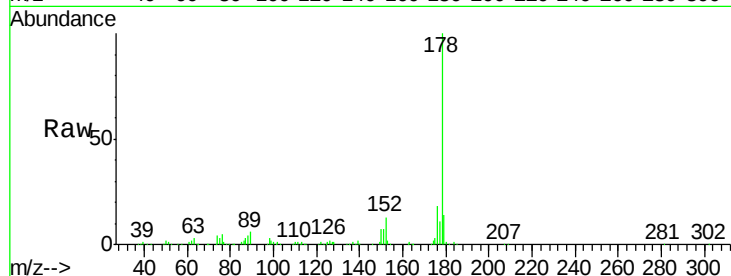
Tgt Ion:178 Resp: 359661

Ion Ratio Lower Upper

178 100

179 14.2 12.6 19.0

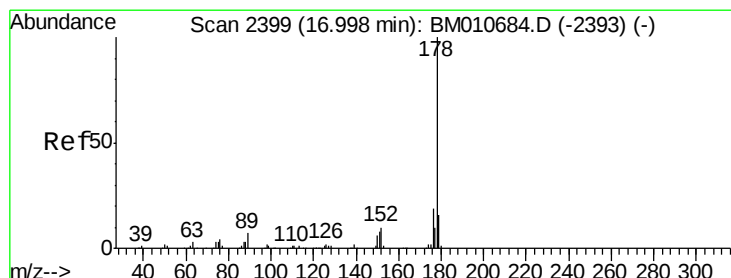
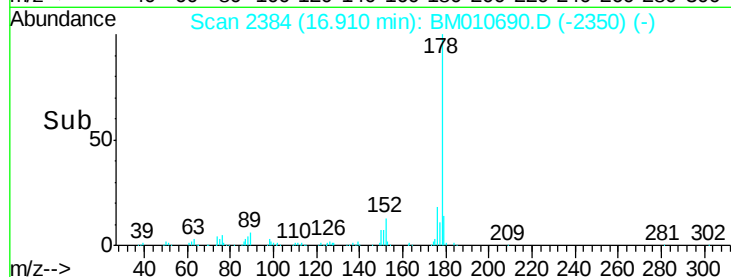
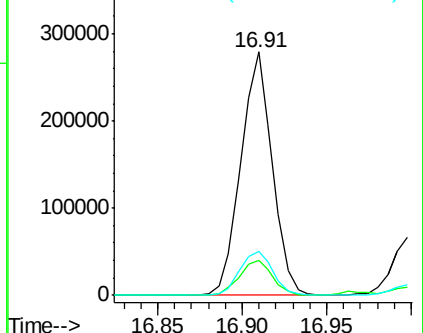
176 17.8 14.9 22.3



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



#71

Anthracene

Concen: 2.710 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

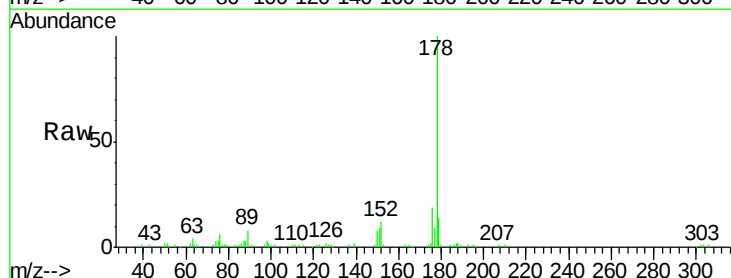
Tgt Ion:178 Resp: 88536

Ion Ratio Lower Upper

178 100

179 13.9 11.7 17.5

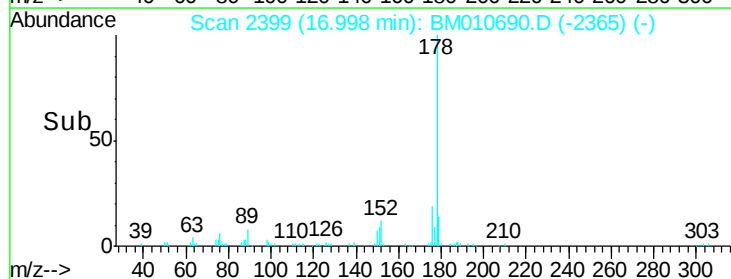
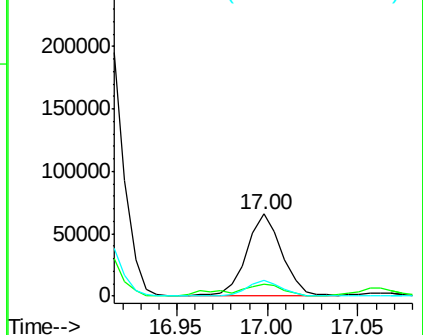
176 19.3 14.6 21.8

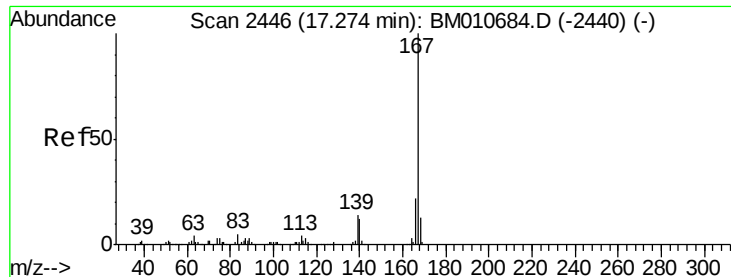


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.913 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

F5D15

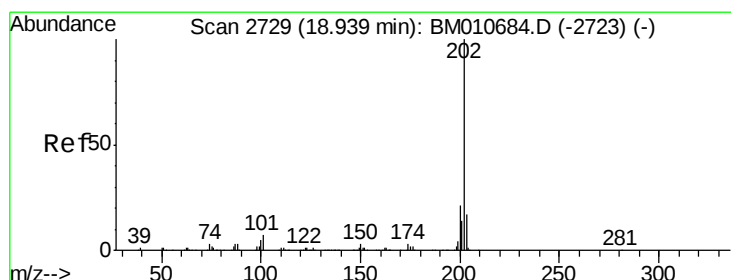
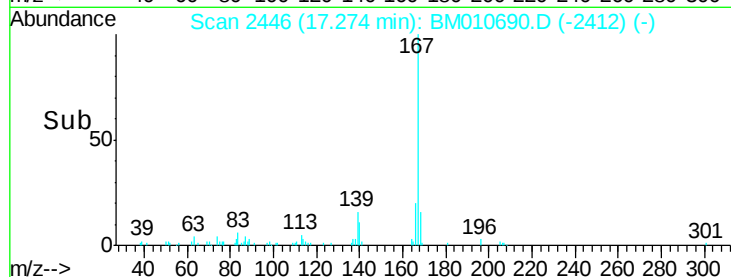
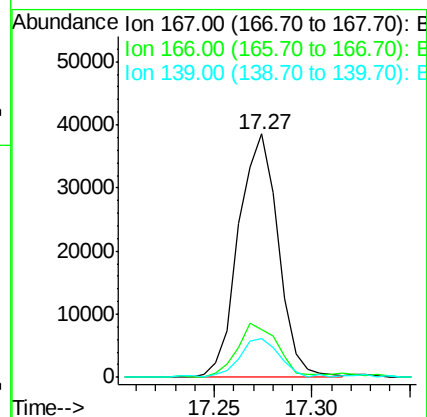
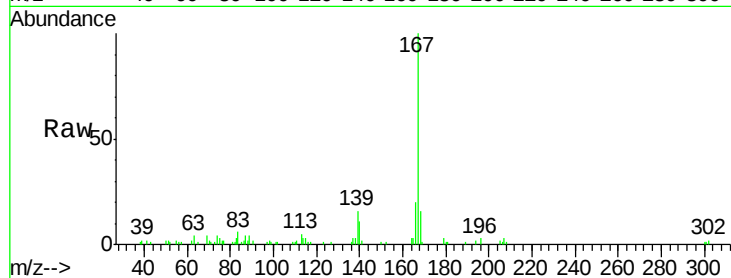
Tgt Ion:167 Resp: 54531

Ion Ratio Lower Upper

167 100

166 19.8 17.1 25.7

139 16.1 10.0 15.0#



#74

Fluoranthene

Concen: 39.131 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

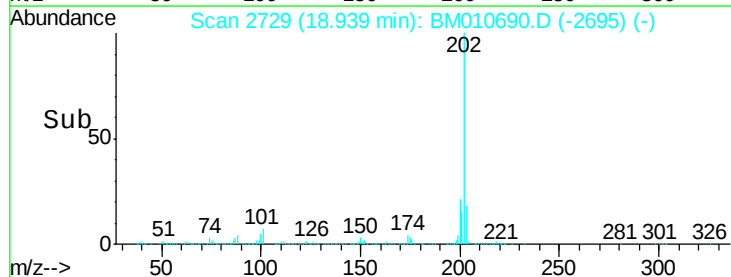
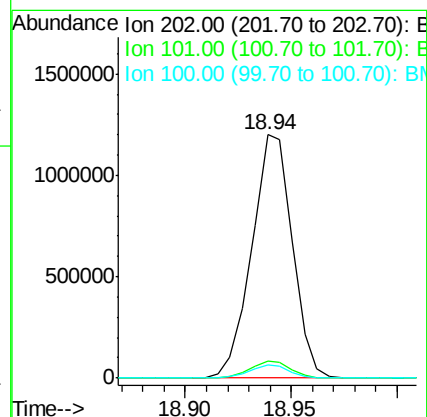
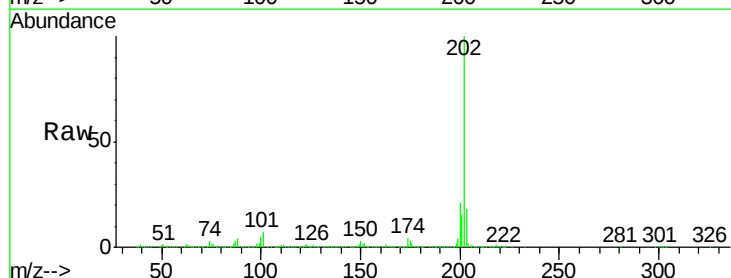
Tgt Ion:202 Resp: 1599429

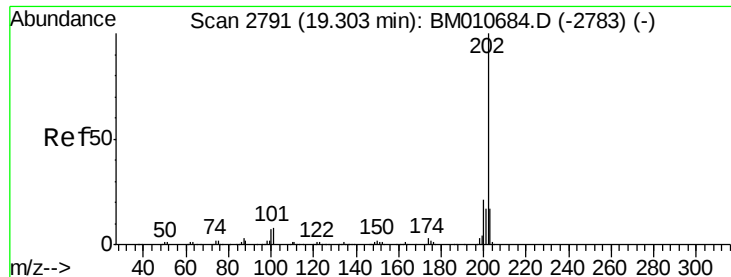
Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

100 5.3 3.4 5.2#





#77

Pyrene

Concen: 52.940 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

F5D15

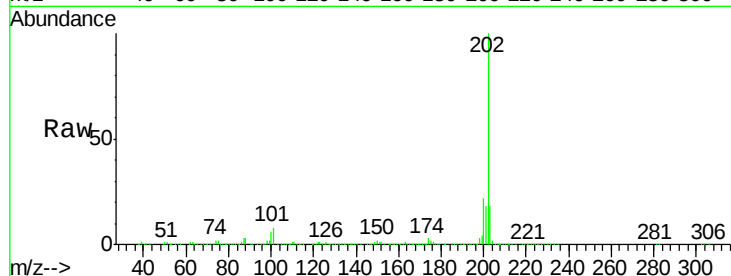
Tgt Ion:202 Resp: 1491853

Ion Ratio Lower Upper

202 100

101 7.9 5.1 7.7#

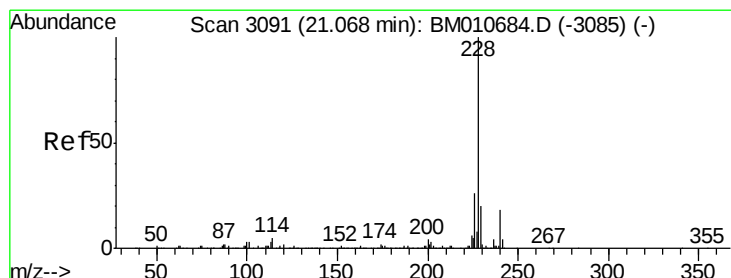
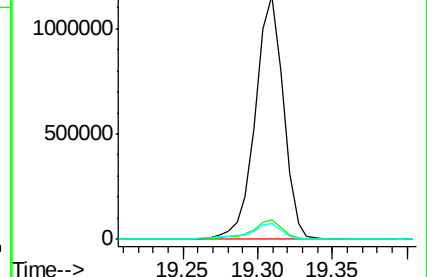
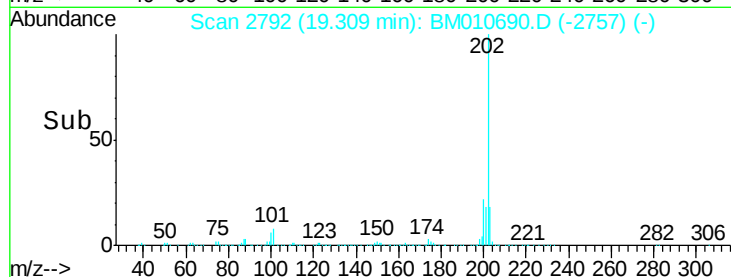
100 6.4 4.9 7.3



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

Benzo(a)anthracene

Concen: 29.143 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

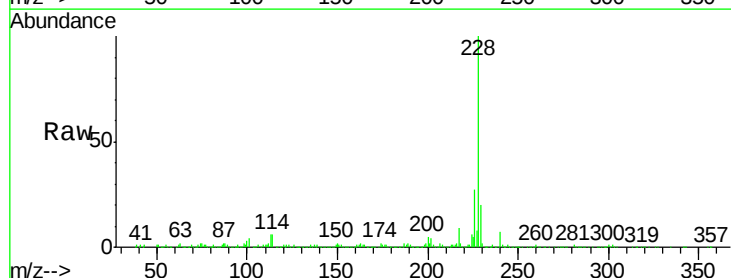
Tgt Ion:228 Resp: 827979

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

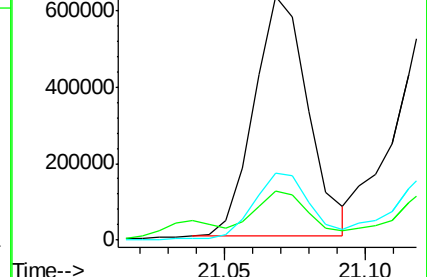
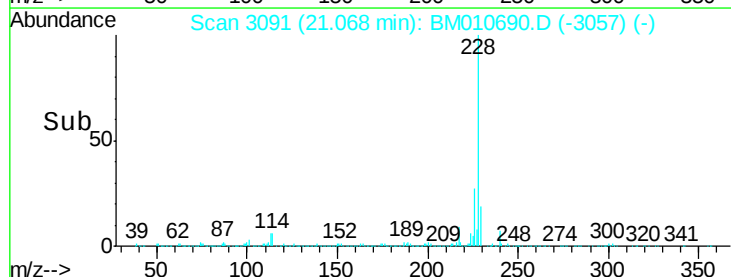
226 27.4 21.4 32.0

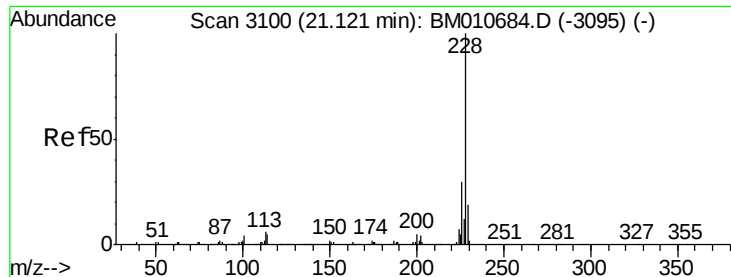


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 32.853 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

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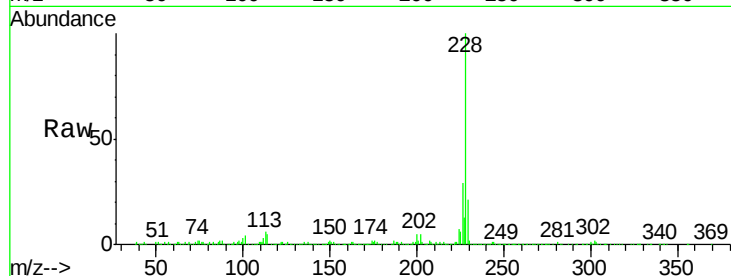
Tgt Ion:228 Resp: 832205

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

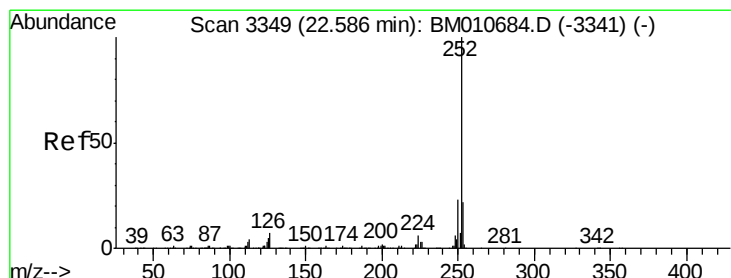
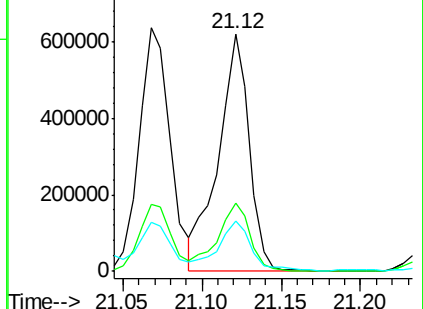
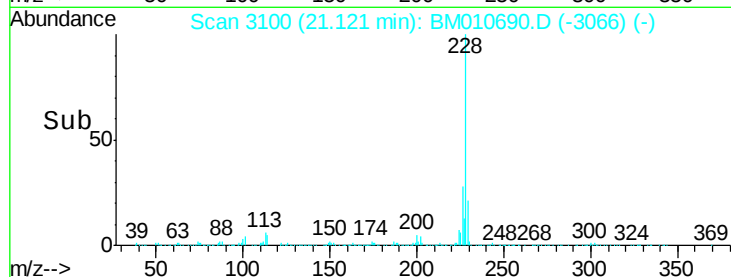
229 21.1 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 41.706 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. 0.01 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

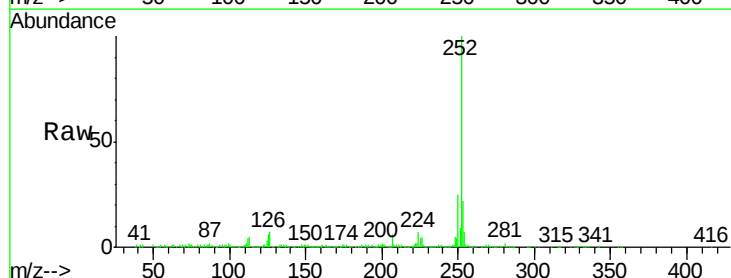
Tgt Ion:252 Resp: 957099

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

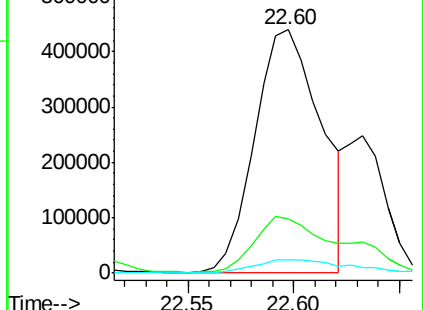
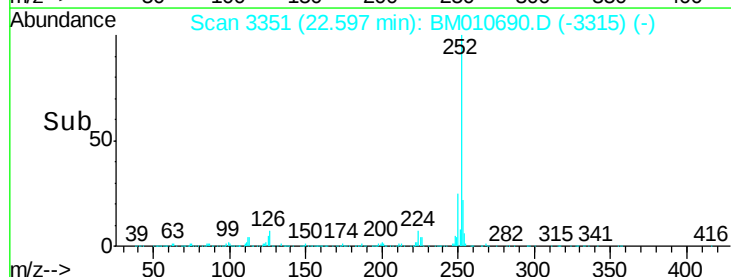
125 5.7 3.6 5.4#

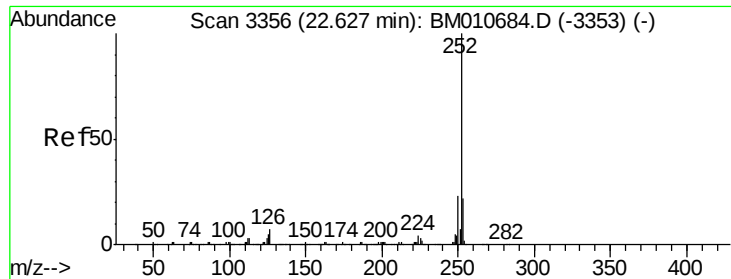


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

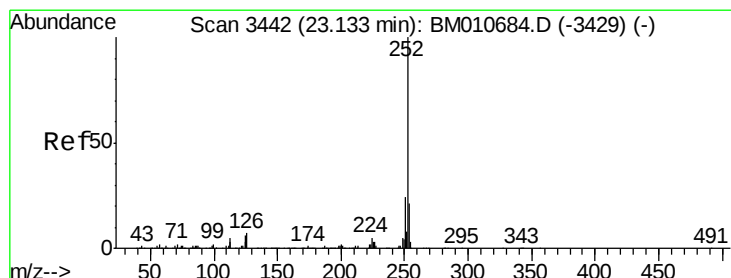
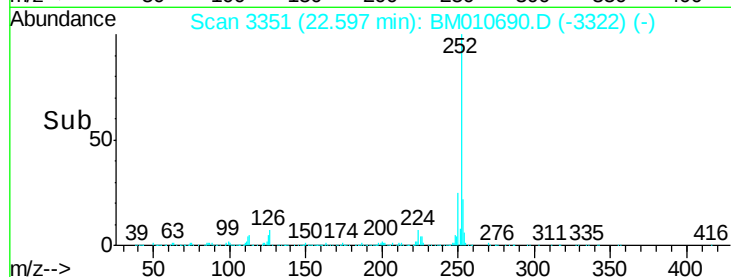
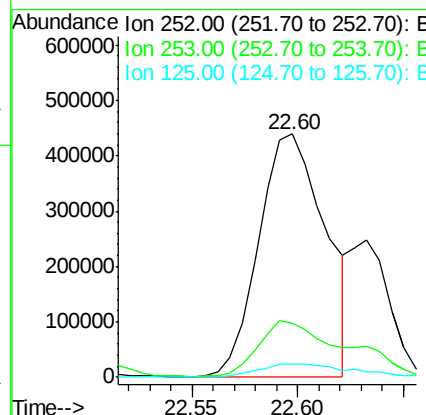
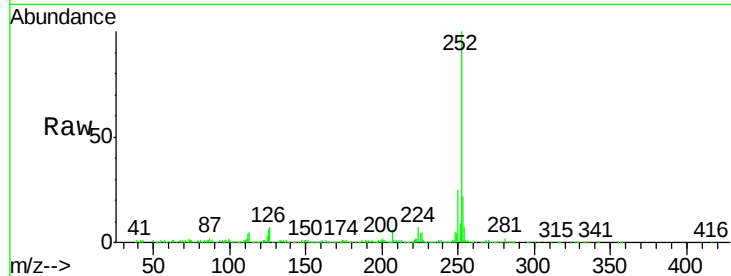




#86
Benzo(k)fluoranthene
Concen: 43.993 ng/u1
RT: 22.60 min Scan# 3351
Delta R.T. -0.03 min
Lab File: BM010690.D
Acq: 23 Jun 2017 14:04

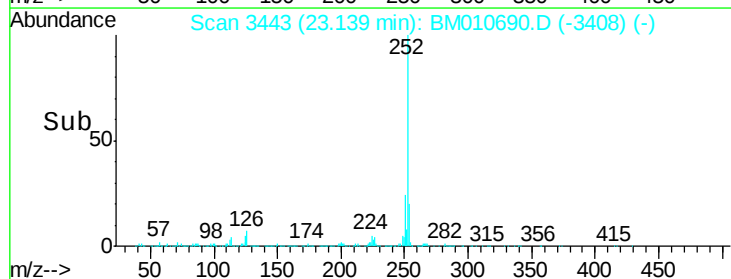
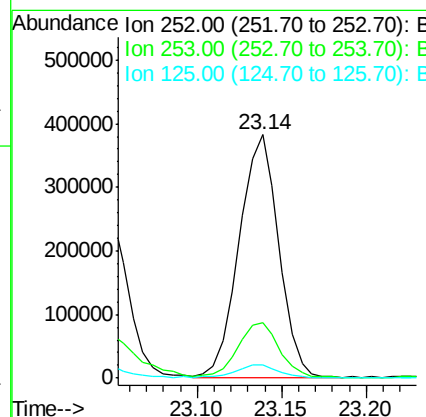
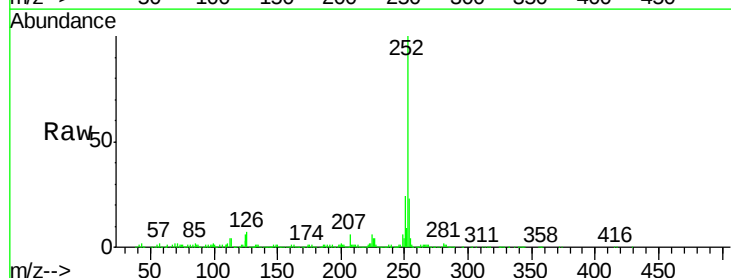
Instrument :
BNA_M
ClientSampled :
F5D15

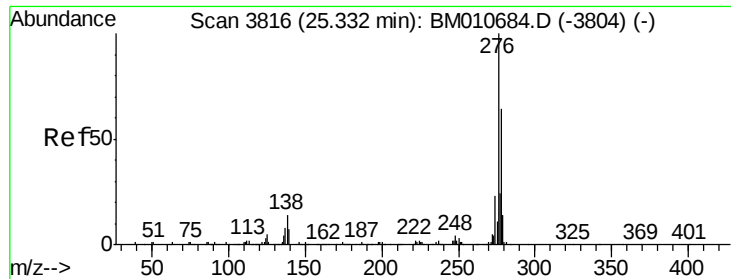
Tgt Ion:252 Resp: 957099
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 5.7 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 29.435 ng/u1
RT: 23.14 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM010690.D
Acq: 23 Jun 2017 14:04

Tgt Ion:252 Resp: 621871
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 5.6 4.0 6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 19.145 ng/ul

RT: 25.34 min Scan# 3818

Delta R.T. 0.01 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

F5D15

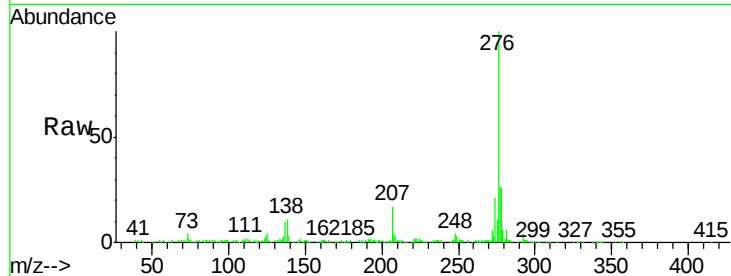
Tgt Ion:276 Resp: 419498

Ion Ratio Lower Upper

276 100

138 11.4 9.3 13.9

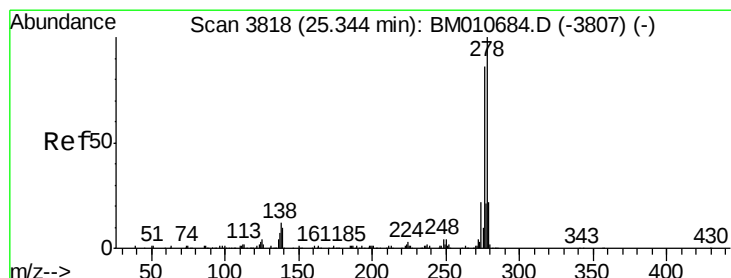
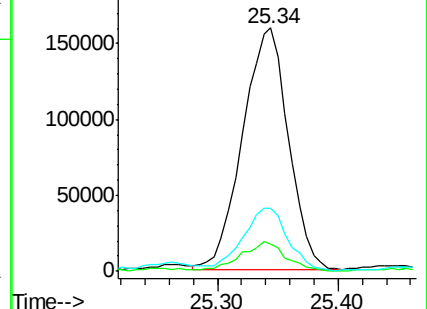
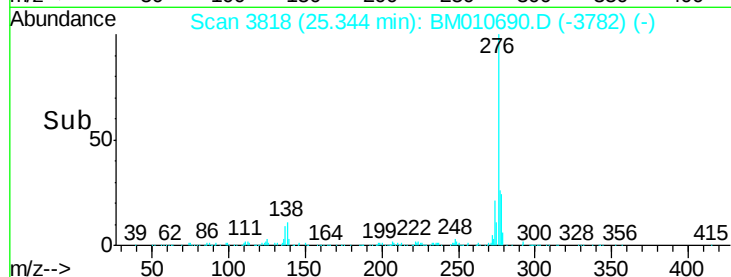
277 26.0 19.9 29.9



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



#90

Dibenzo(a,h)anthracene

Concen: 6.412 ng/ul

RT: 25.34 min Scan# 3818

Delta R.T. 0.00 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

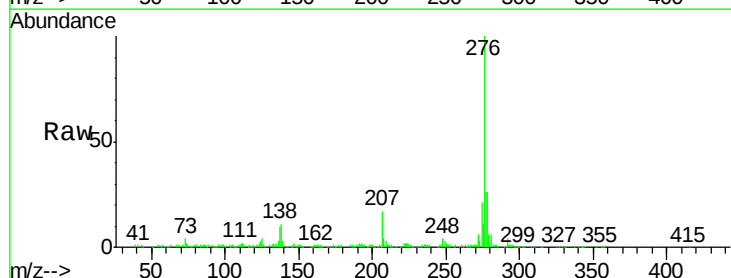
Tgt Ion:278 Resp: 117093

Ion Ratio Lower Upper

278 100

139 13.2 5.8 8.8#

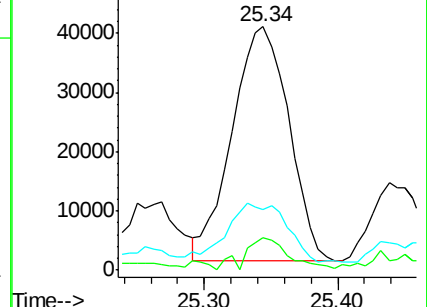
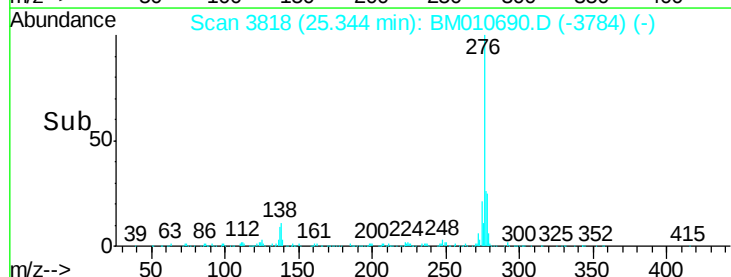
279 25.1 18.6 27.8

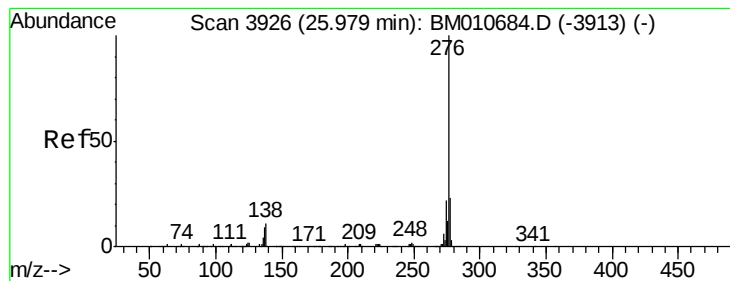


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 20.315 ng/ul

RT: 25.99 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BM010690.D

Acq: 23 Jun 2017 14:04

Instrument :

BNA_M

ClientSampleId :

F5D15

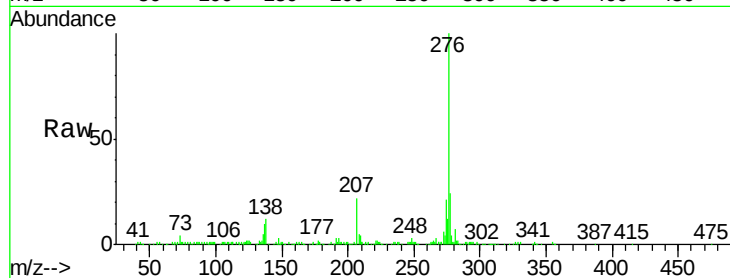
Tgt Ion: 276 Resp: 354345

Ion Ratio Lower Upper

276 100

138 11.9 8.5 12.7

277 24.2 18.6 28.0



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

