

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010740.D
 Acq On : 24 Jun 2017 21:15
 Operator : SJ/JU
 Sample : I3653-04ME
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B21ME

Quant Time: Jun 26 04:57:18 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 04:54:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	65619	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	295721	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	202988	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	524467	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	631806	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	481214	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	1455	1.27	ng/uL	0.00
5) Phenol-d5	6.65	99	53745	8.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	32200	9.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	42850	9.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	47660	9.20	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	22246	10.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	24490	10.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	50366	9.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	56805	10.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	197020	11.06	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	218498	10.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	23805	7.59	ng/ul	-0.01
57) Fluorene-d10	15.11	176	174053	11.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	28481	8.84	ng/ul	0.00
70) Anthracene-d10	16.96	188	289445	11.43	ng/ul	0.00
76) Pyrene-d10	19.27	212	362198	12.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	261158	11.23	ng/ul	0.00

Target Compounds

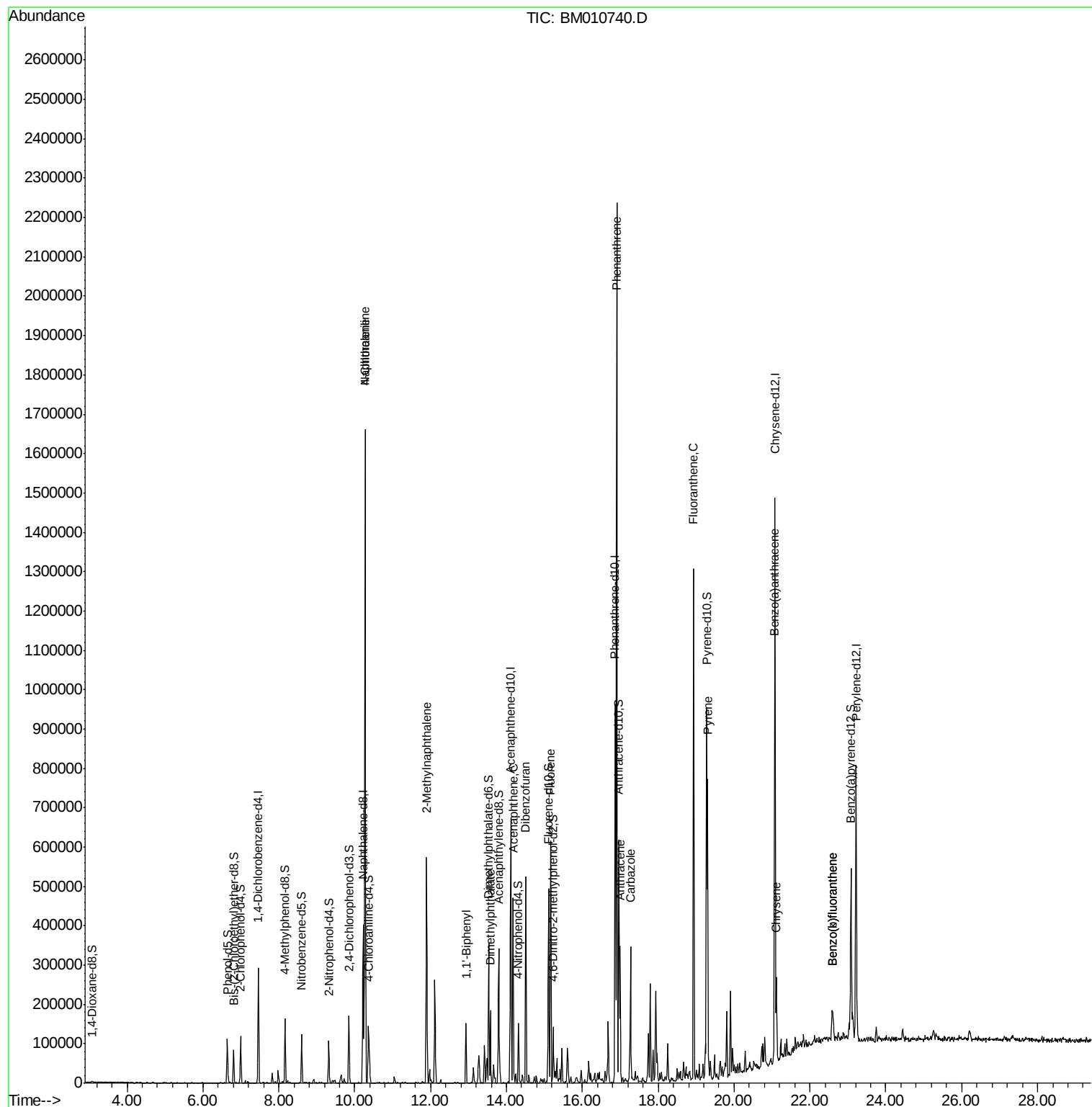
						Qvalue
28) Naphthalene	10.27	128	1154840	78.47	ng/ul	99
30) 4-Chloroaniline	10.27	127	156941	28.94	ng/ul#	26
34) 2-Methylnaphthalene	11.89	142	235701	19.92	ng/ul	91
40) 1,1'-Biphenyl	12.93	154	71460	4.50	ng/ul	97
44) Dimethylphthalate	13.57	163	99201	5.68	ng/ul	97
49) Acenaphthene	14.17	153	173961	13.06	ng/ul	98
53) Dibenzofuran	14.51	168	272845	13.53	ng/ul	94
58) Fluorene	15.16	166	244555	14.48	ng/ul	96
69) Phenanthrene	16.91	178	1212451	43.48	ng/ul	99
71) Anthracene	17.00	178	196273	6.83	ng/ul	97
72) Carbazole	17.27	167	191603	7.65	ng/ul	94
74) Fluoranthene	18.93	202	728067	20.26	ng/ul#	95
77) Pyrene	19.30	202	479942	13.15	ng/ul	99
80) Benzo(a)anthracene	21.06	228	155730	4.23	ng/ul	98
82) Chrysene	21.12	228	115683	3.53	ng/ul	98
85) Benzo(b)fluoranthene	22.58	252	68724	2.20	ng/ul#	99
86) Benzo(k)fluoranthene	22.58	252	68724	2.32	ng/ul#	97

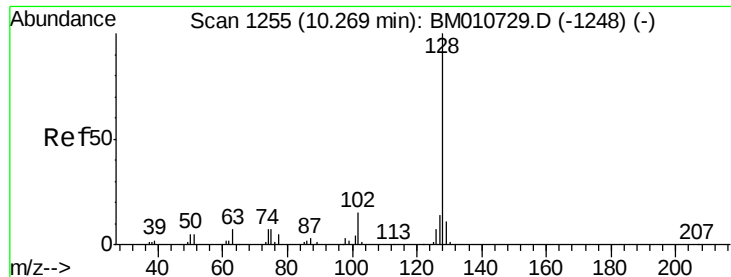
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 78.47 ng/u1

RT: 10.27 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

Instrument :

BNA_M

ClientSampleId :

F5B21ME

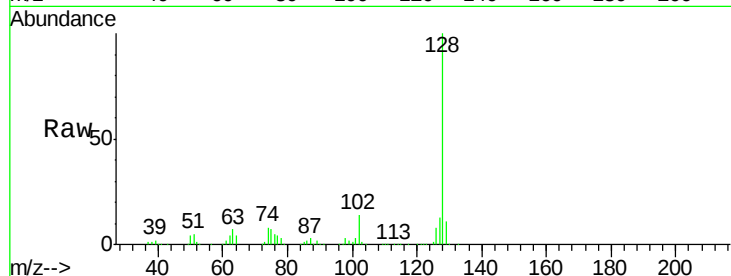
Tgt Ion:128 Resp: 1154840

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

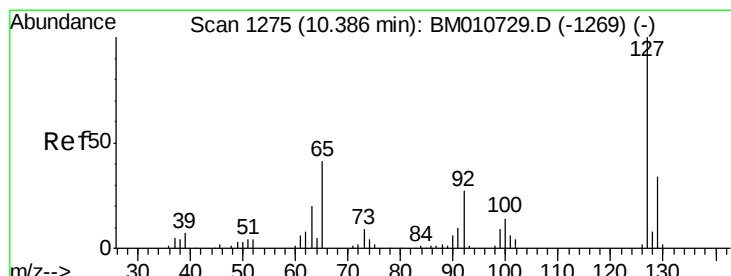
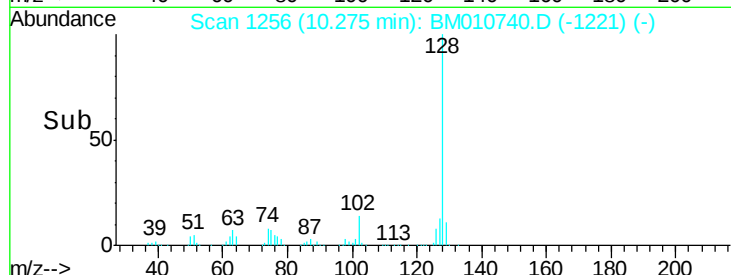
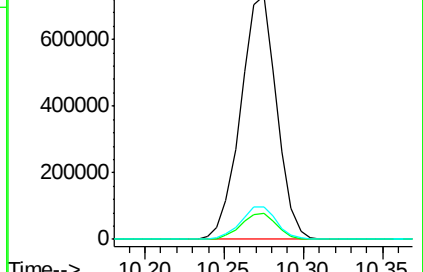
127 13.5 10.6 16.0



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: 28.94 ng/u1

RT: 10.27 min Scan# 1256

Delta R.T. -0.11 min

Lab File: BM010740.D

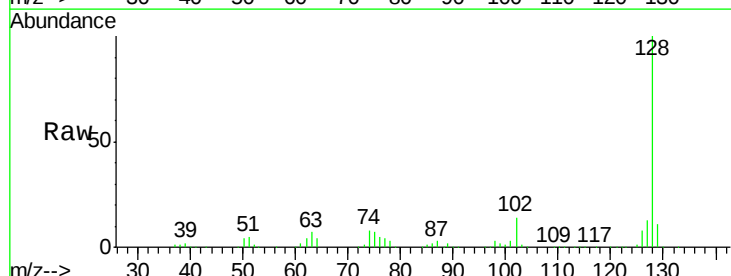
Acq: 24 Jun 2017 21:15

Tgt Ion:127 Resp: 156941

Ion Ratio Lower Upper

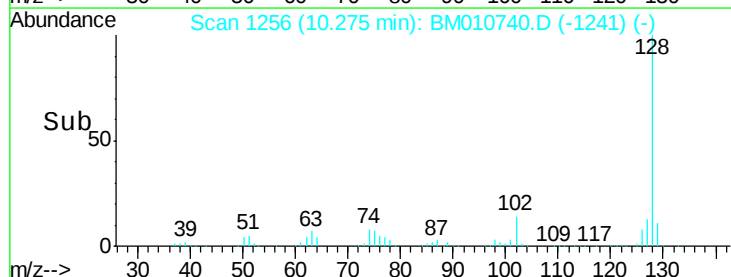
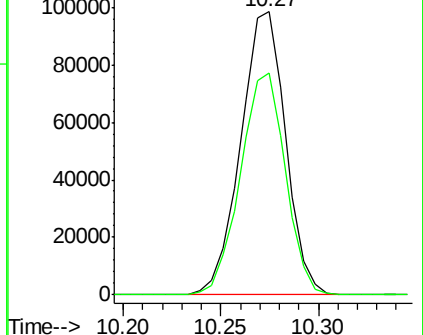
127 100

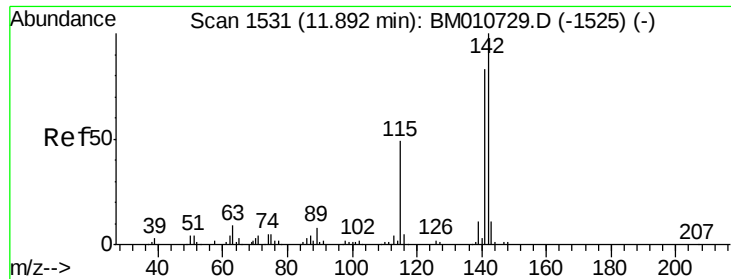
129 78.5 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

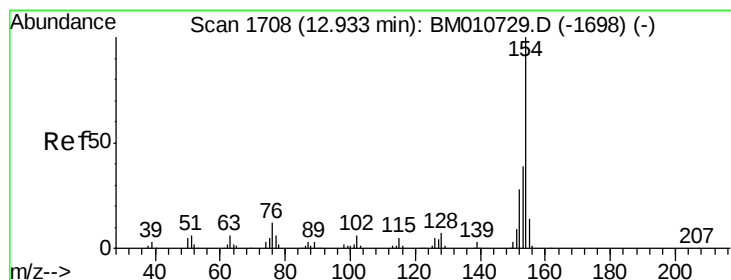
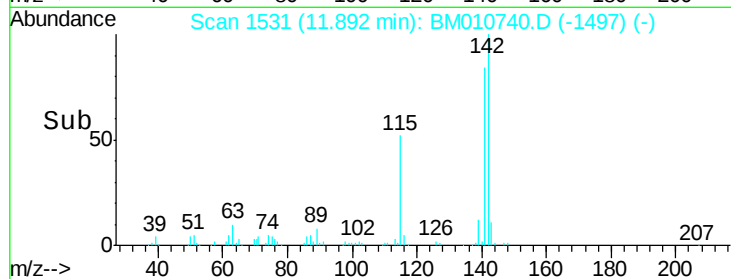
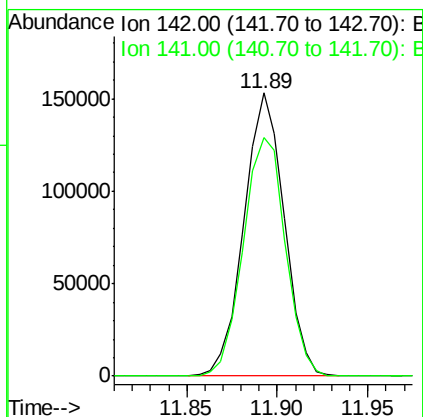
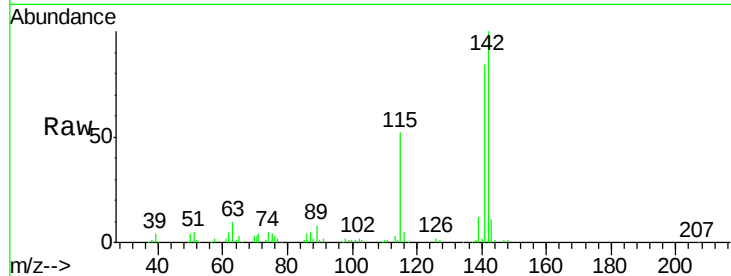




#34
 2-Methylnaphthalene
 Concen: 19.92 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: BM010740.D
 Acq: 24 Jun 2017 21:15

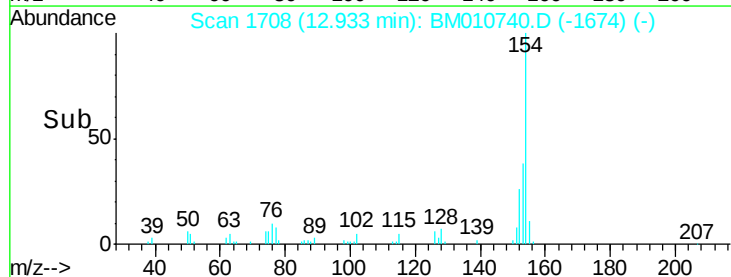
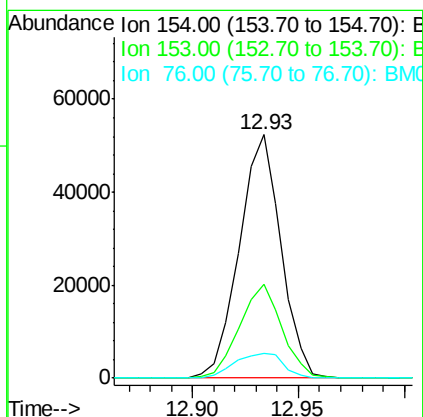
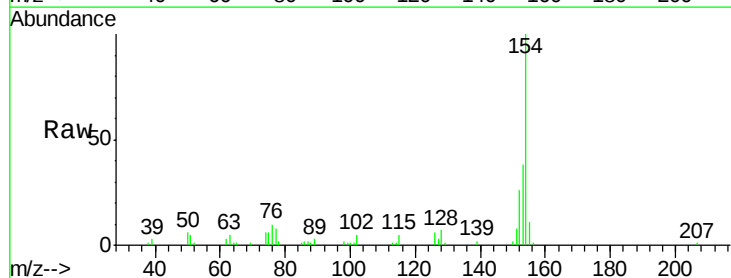
Instrument :
 BNA_M
 ClientSampleId :
 F5B21ME

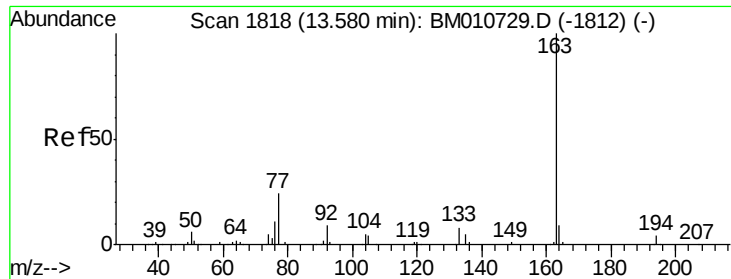
Tgt Ion:142 Resp: 235701
 Ion Ratio Lower Upper
 142 100
 141 84.1 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.50 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010740.D
 Acq: 24 Jun 2017 21:15

Tgt Ion:154 Resp: 71460
 Ion Ratio Lower Upper
 154 100
 153 38.4 32.6 48.8
 76 10.3 8.5 12.7

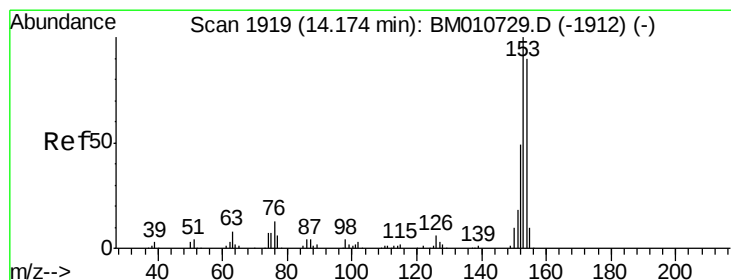
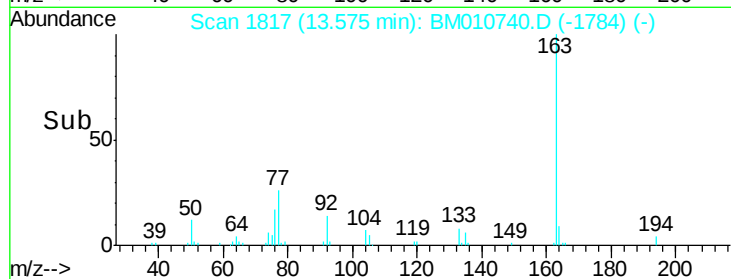
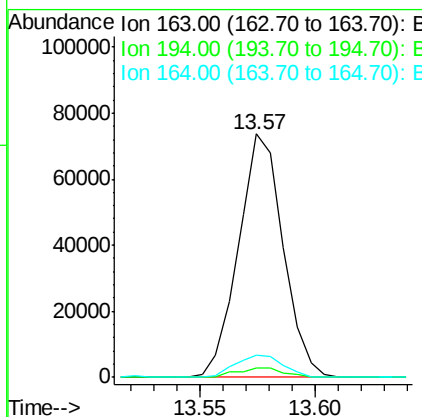
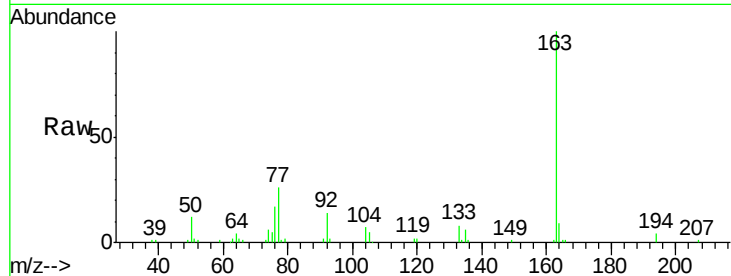




#44
Dimethylphthalate
Concen: 5.68 ng/ul
RT: 13.57 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM010740.D
Acq: 24 Jun 2017 21:15

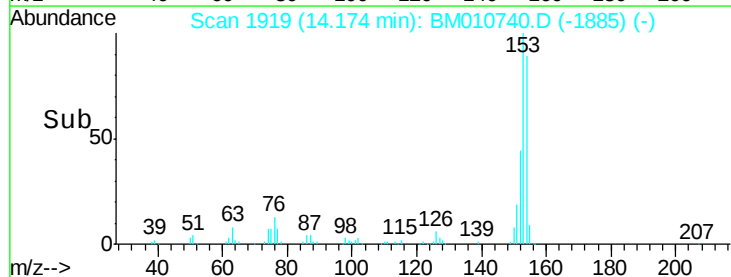
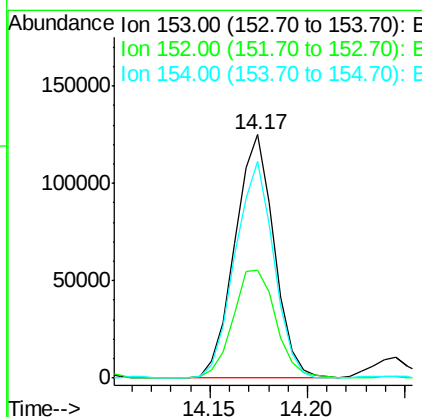
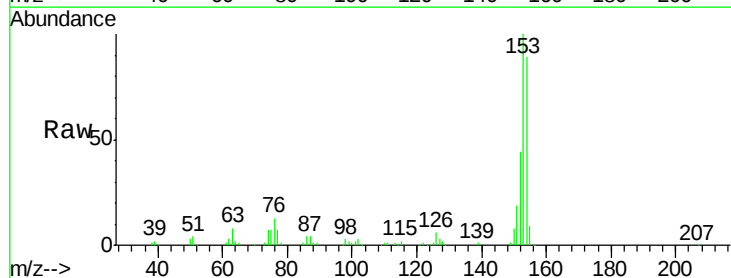
Instrument :
BNA_M
ClientSampleId :
F5B21ME

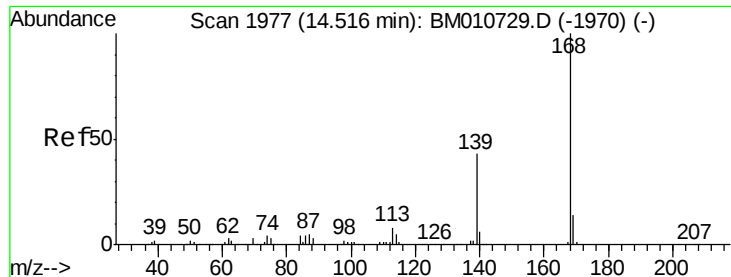
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.2	8.2	12.4



#49
Acenaphthene
Concen: 13.06 ng/ul
RT: 14.17 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM010740.D
Acq: 24 Jun 2017 21:15

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.4	37.6	56.4
154	88.9	70.4	105.6





#53

Dibenzofuran

Concen: 13.53 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

Instrument :

BNA_M

ClientSampleId :

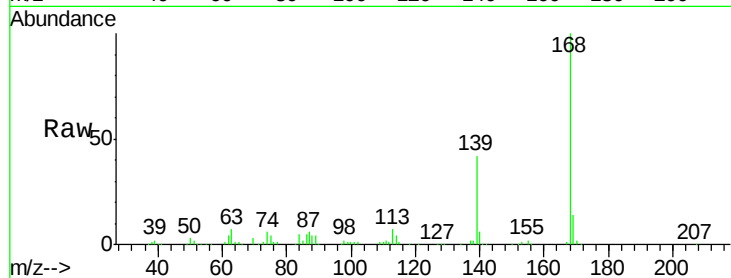
F5B21ME

Tgt Ion:168 Resp: 272845

Ion Ratio Lower Upper

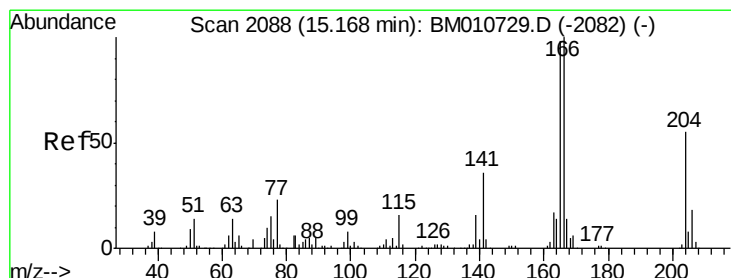
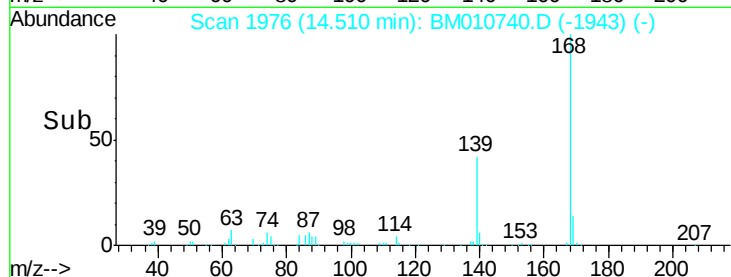
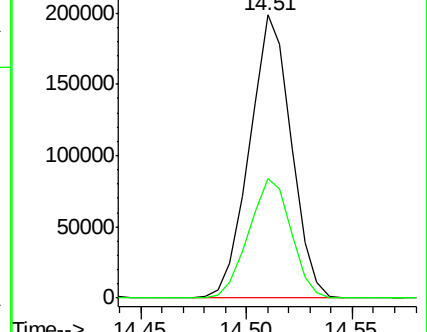
168 100

139 42.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 14.48 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

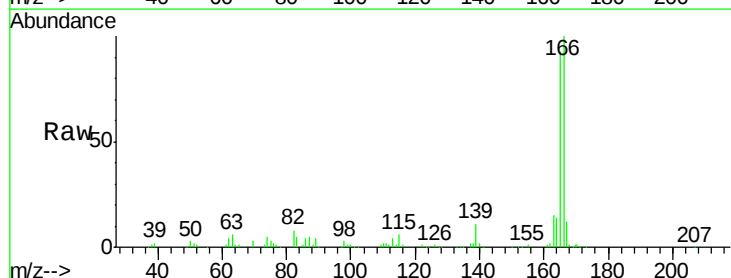
Tgt Ion:166 Resp: 244555

Ion Ratio Lower Upper

166 100

165 92.9 77.9 116.9

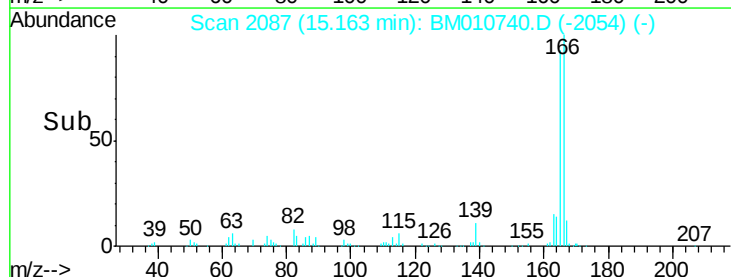
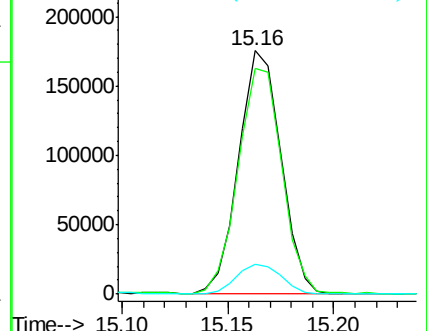
167 12.4 10.6 16.0

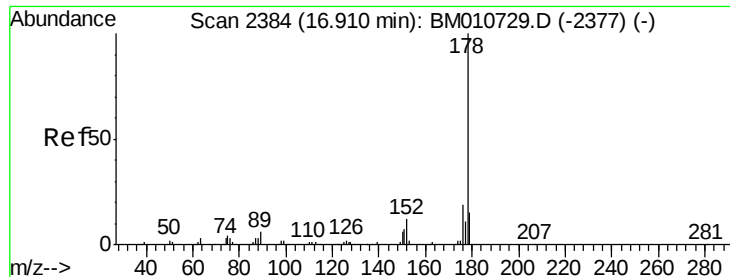


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 43.48 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

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ClientSampleId :

F5B21ME

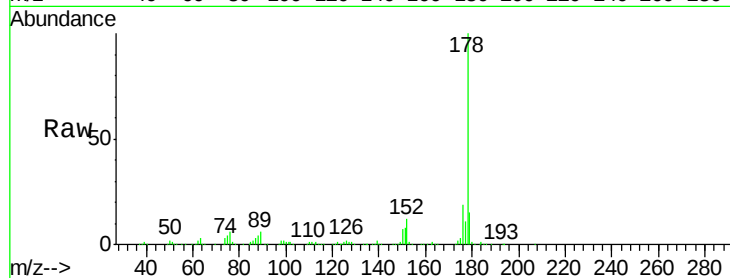
Tgt Ion:178 Resp: 1212451

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

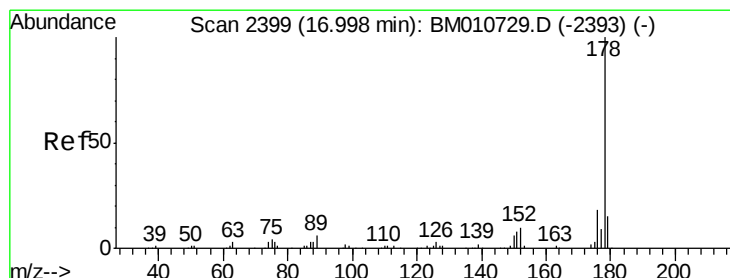
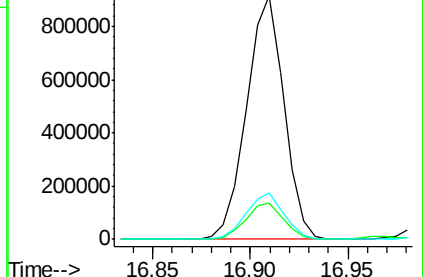
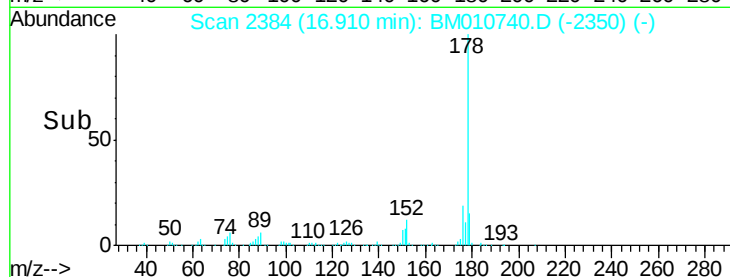
176 19.0 14.9 22.3



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: 6.83 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

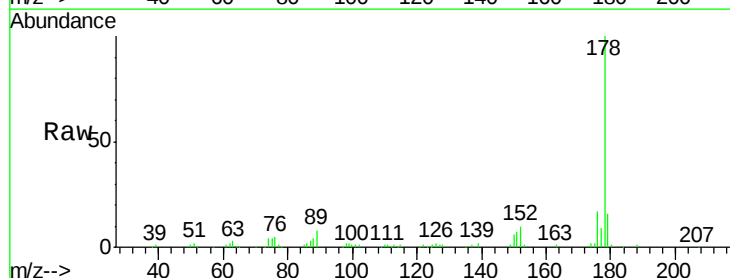
Tgt Ion:178 Resp: 196273

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

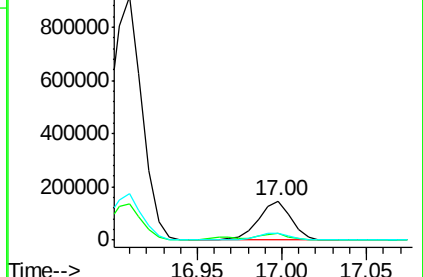
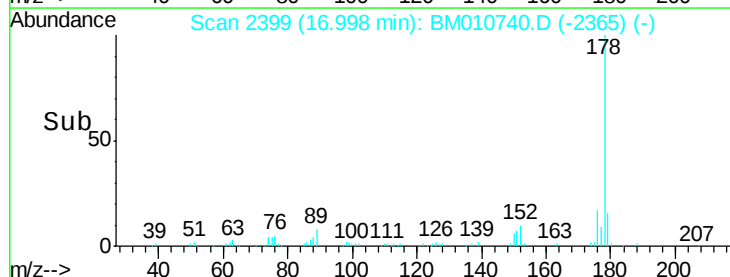
176 16.6 14.6 21.8

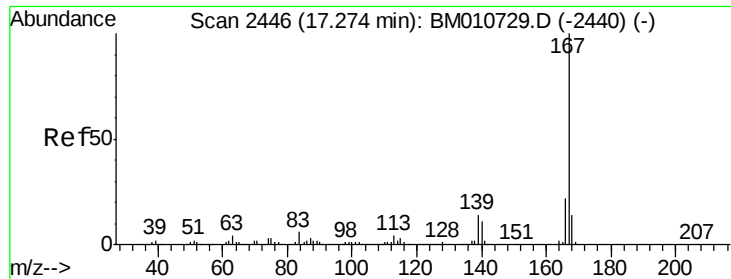


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 7.65 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010740.D

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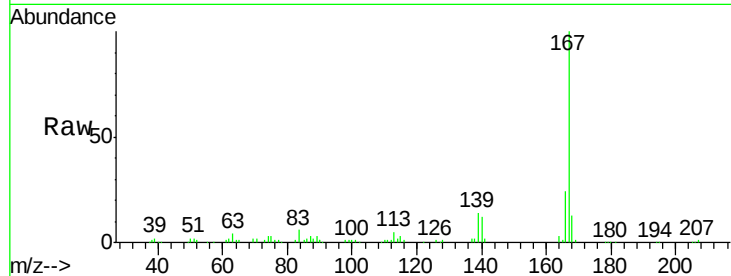
Tgt Ion:167 Resp: 191603

Ion Ratio Lower Upper

167 100

166 24.2 17.1 25.7

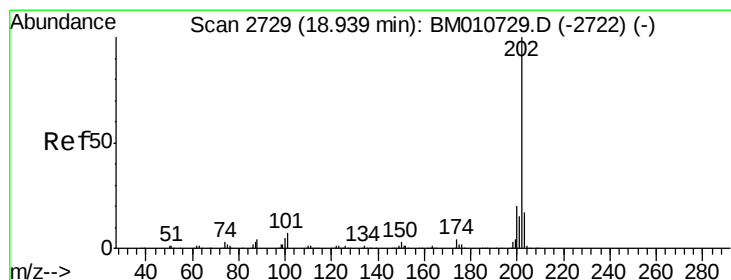
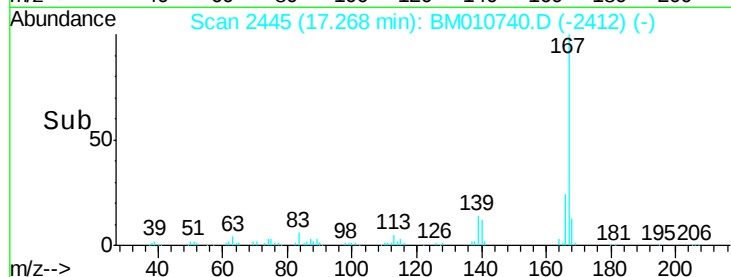
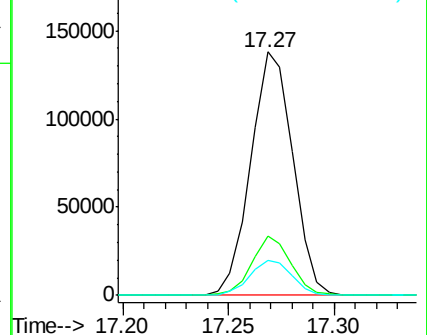
139 14.4 10.0 15.0



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



#74

Fluoranthene

Concen: 20.26 ng/ul

RT: 18.93 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

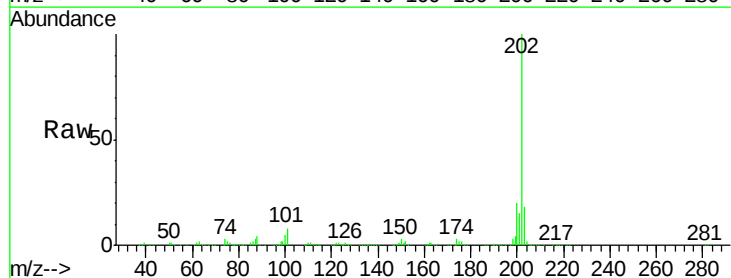
Tgt Ion:202 Resp: 728067

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

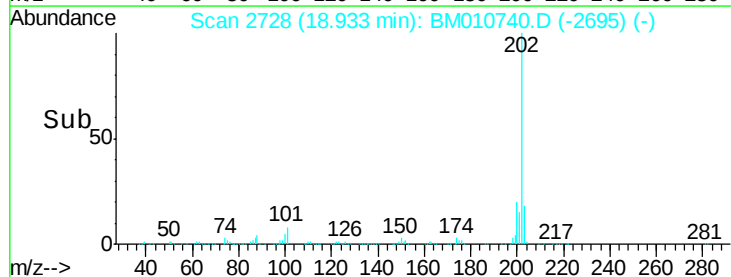
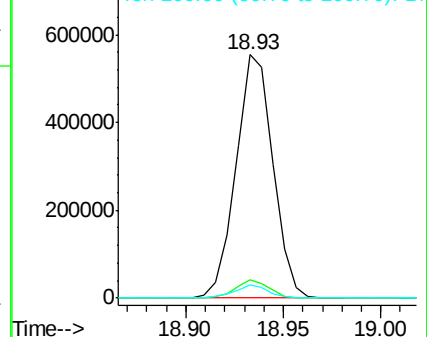
100 5.4 3.4 5.2#

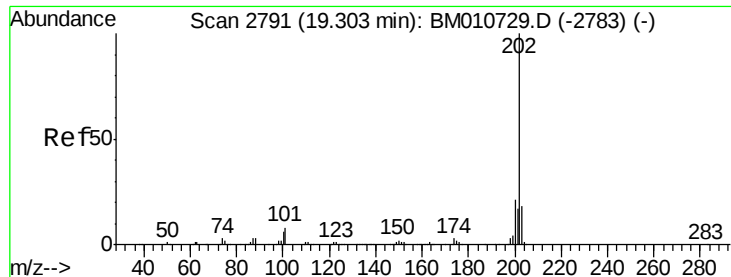


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 13.15 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

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Acq: 24 Jun 2017 21:15

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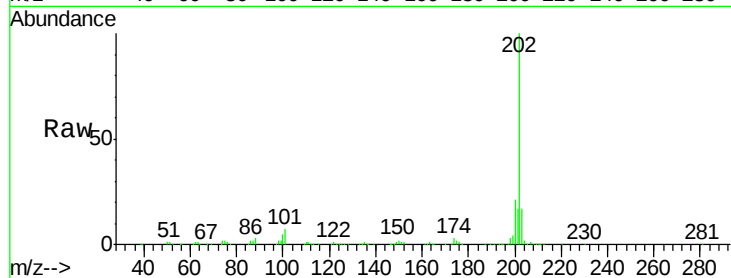
Tgt Ion:202 Resp: 479942

Ion Ratio Lower Upper

202 100

101 6.6 5.1 7.7

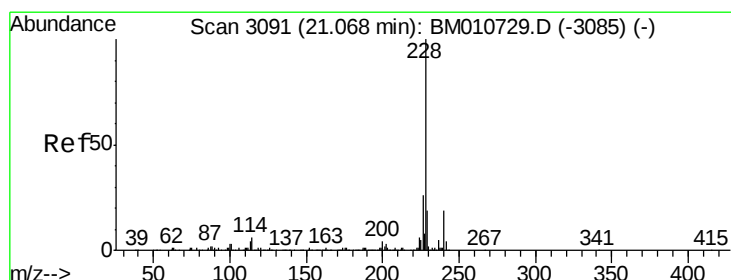
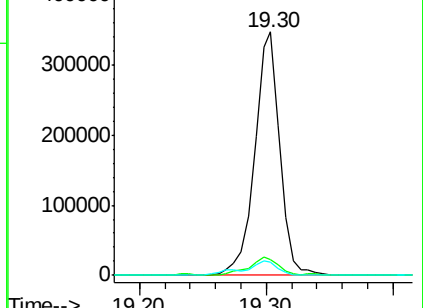
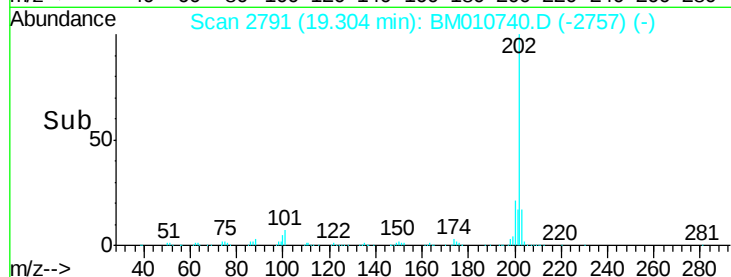
100 5.4 4.9 7.3



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: 4.23 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

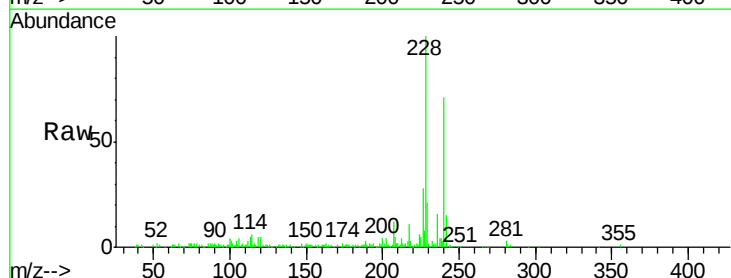
Tgt Ion:228 Resp: 155730

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

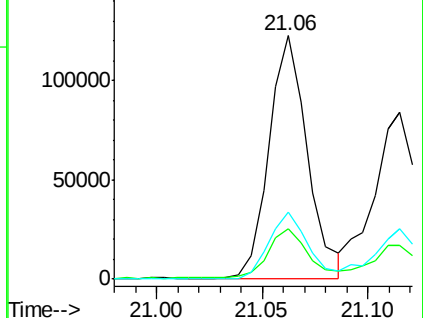
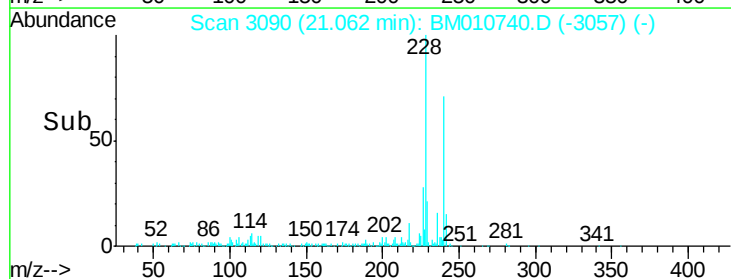
226 27.6 21.4 32.0

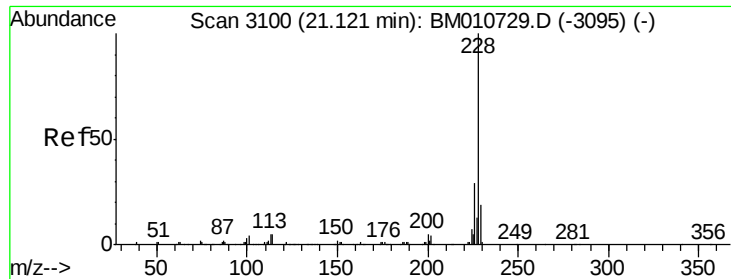


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.53 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

Instrument :

BNA_M

ClientSampleId :

F5B21ME

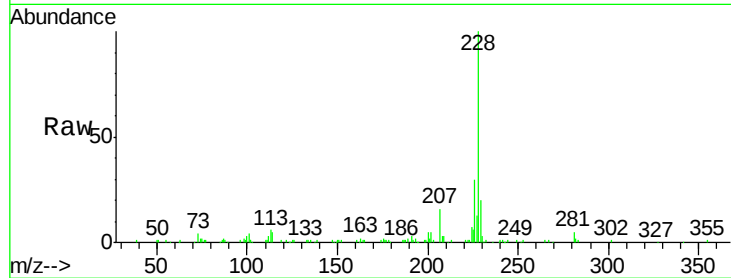
Tgt Ion:228 Resp: 115683

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

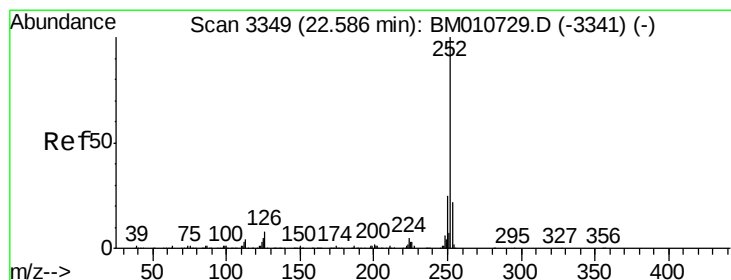
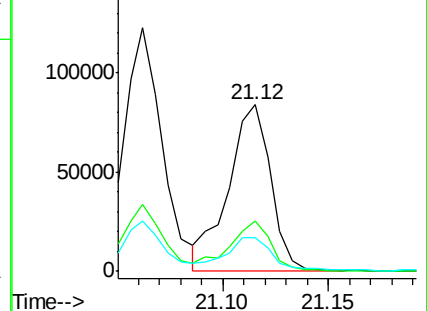
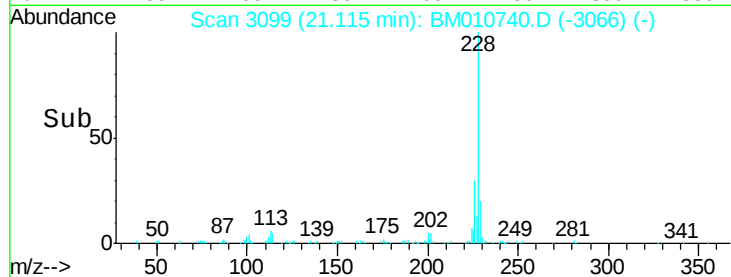
229 20.3 15.5 23.3



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: 2.20 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

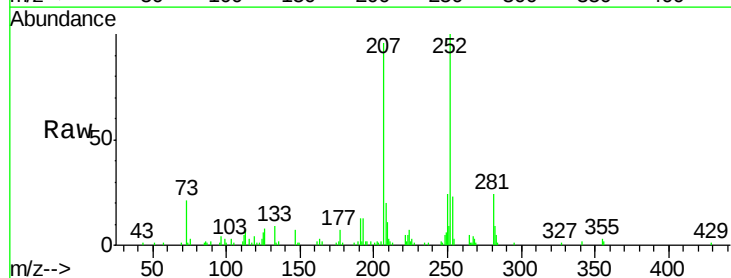
Tgt Ion:252 Resp: 68724

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

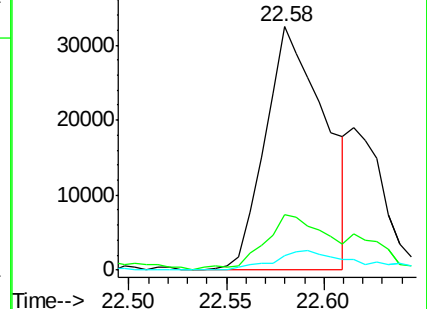
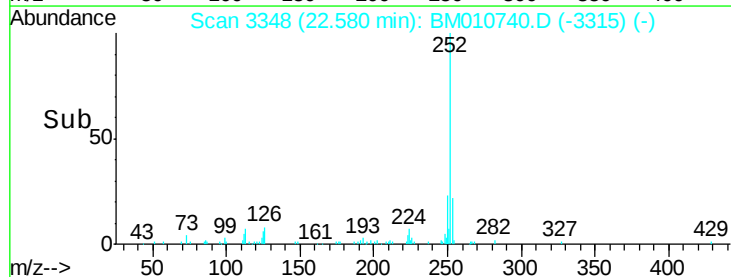
125 5.9 3.6 5.4#

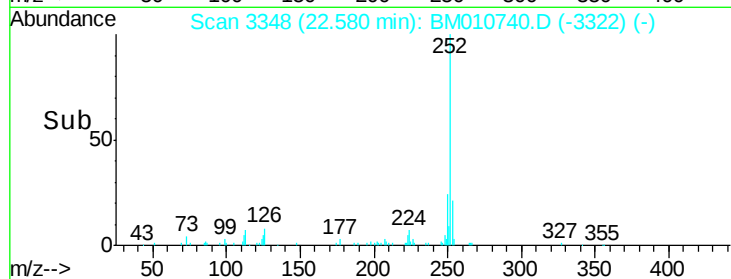
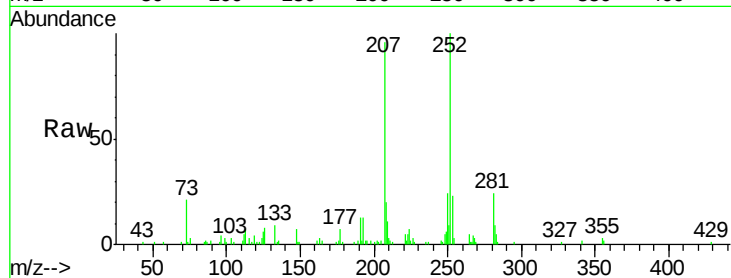
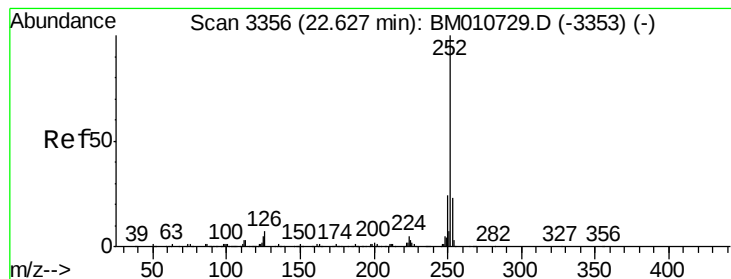


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 2.32 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.05 min

Lab File: BM010740.D

Acq: 24 Jun 2017 21:15

Instrument :

BNA_M

ClientSampleId :

F5B21ME

Tgt Ion:252 Resp: 68724

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 5.9 3.4 5.2#

