

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010738.D
 Acq On : 24 Jun 2017 20:03
 Operator : SJ/JU
 Sample : I3653-07DL 30X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C50DL

Quant Time: Jun 26 04:56:53 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	57040	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	250623	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	172428	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	441104	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	543528	20.00	ng/ul	0.00
83) Perylene-d12	23.21	264	423772	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	1782	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	1318	0.42	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	1452	0.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	1649	0.37	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	501	0.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	534	0.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2234	0.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	1913	0.42	ng/ul	-0.01
43) Dimethylphthalate-d6	13.53	166	8171	0.54	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	7429	0.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	175	0.07	ng/ul	0.00
57) Fluorene-d10	15.11	176	7808	0.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	711	0.26	ng/ul	0.00
70) Anthracene-d10	16.86	188	441104	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	13943	0.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	9887	0.48	ng/ul	0.00

Target Compounds

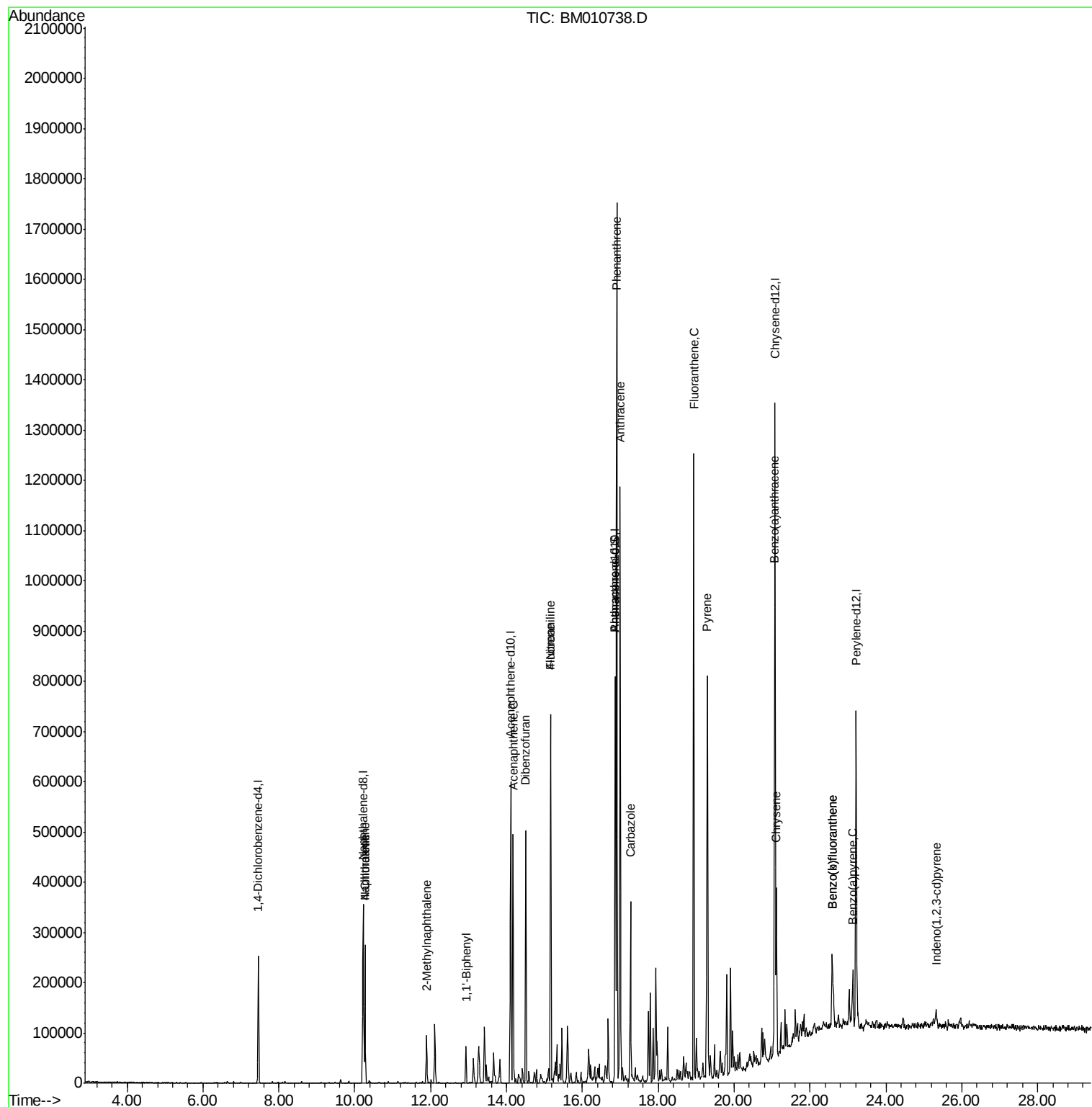
						Qvalue
28) Naphthalene	10.27	128	184356	14.78	ng/ul	98
30) 4-Chloroaniline	10.27	127	24910	5.42	ng/ul#	34
34) 2-Methylnaphthalene	11.89	142	40286	4.02	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	35446	2.63	ng/ul	92
49) Acenaphthene	14.17	153	178739	15.80	ng/ul	97
53) Dibenzofuran	14.51	168	256926	15.00	ng/ul	91
58) Fluorene	15.16	166	280024	19.52	ng/ul	99
60) 4-Nitroaniline	15.16	138	3980	1.30	ng/ul#	1
69) Phenanthrene	16.91	178	984588	41.99	ng/ul	98
71) Anthracene	17.00	178	643528	26.64	ng/ul	98
72) Carbazole	17.27	167	200608	9.52	ng/ul	99
74) Fluoranthene	18.94	202	729601	24.14	ng/ul	98
77) Pyrene	19.30	202	502475	16.01	ng/ul	98
80) Benzo(a)anthracene	21.06	228	191012	6.03	ng/ul	98
82) Chrysene	21.12	228	167294	5.93	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	121267	4.41	ng/ul#	93
86) Benzo(k)fluoranthene	22.59	252	121267	4.65	ng/ul#	91
88) Benzo(a)pyrene	23.12	252	77517	3.06	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	25.32	276	30495	1.16	ng/ul#	95

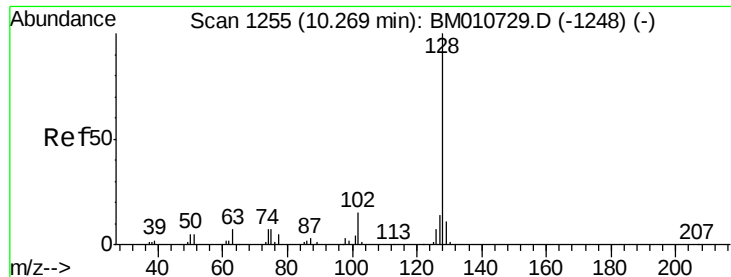
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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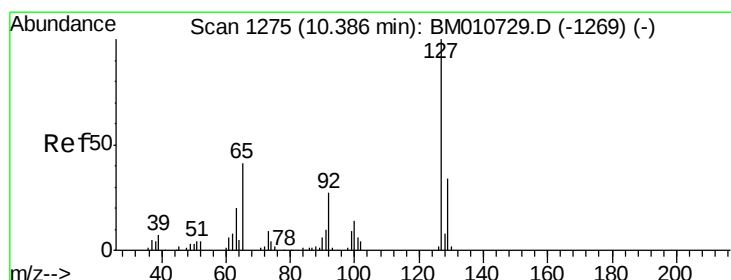
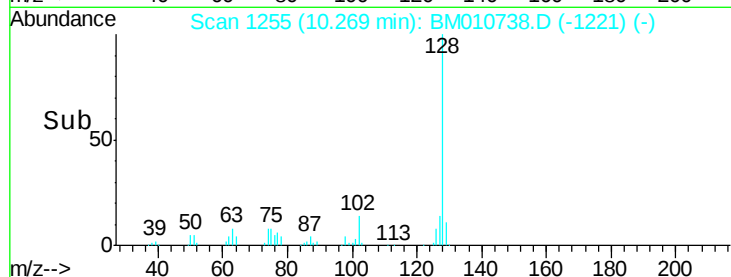
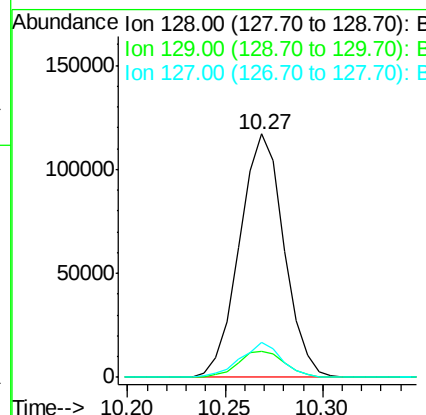
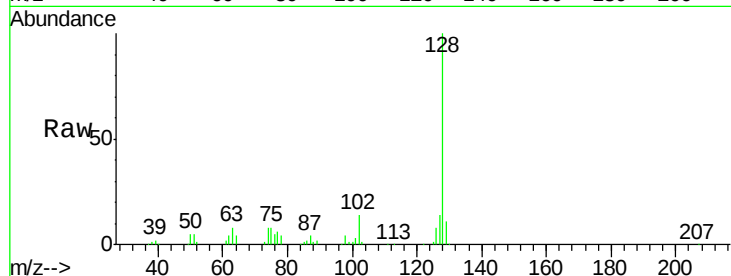




#28
Naphthalene
Concen: 14.78 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

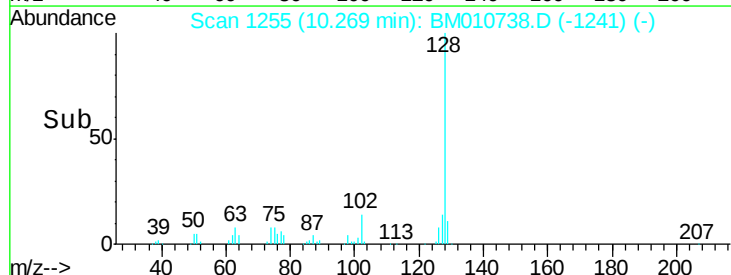
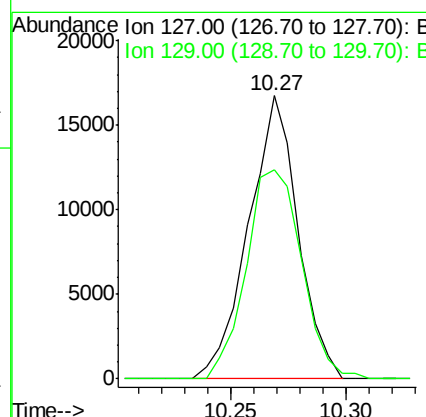
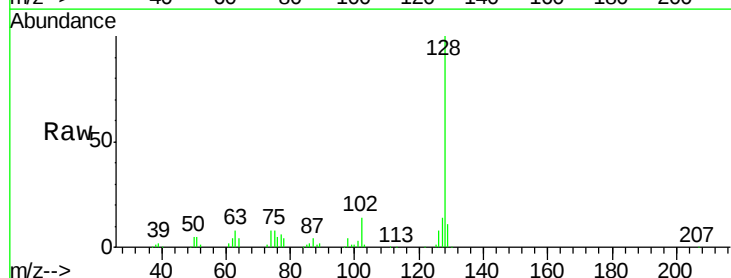
Instrument :
BNA_M
ClientSampleId :
F5C50DL

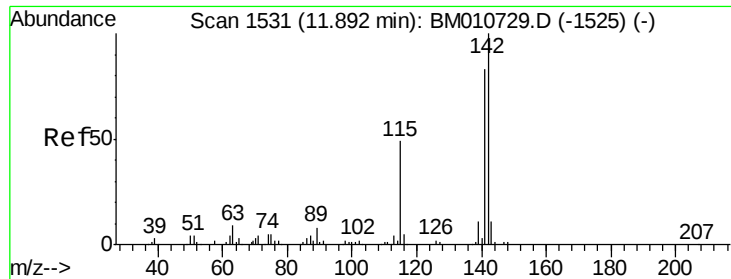
Tgt Ion:128 Resp: 184356
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 14.3 10.6 16.0



#30
4-Chloroaniline
Concen: 5.42 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.12 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

Tgt Ion:127 Resp: 24910
Ion Ratio Lower Upper
127 100
129 73.9 28.4 42.6#

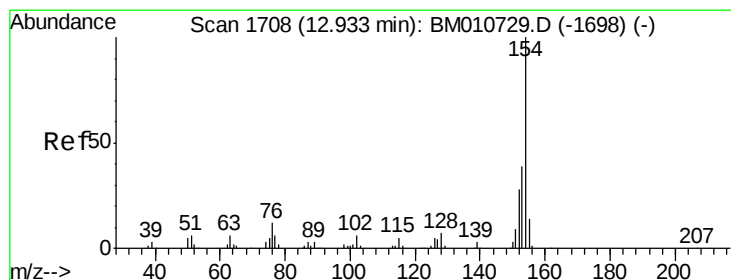
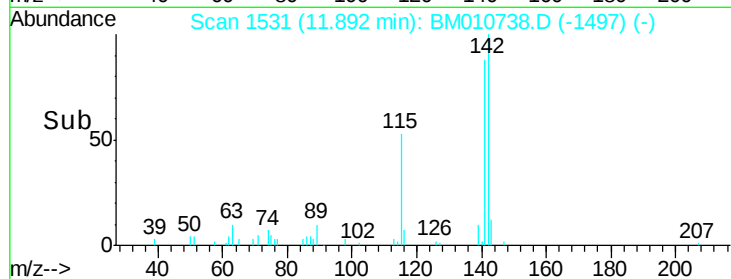
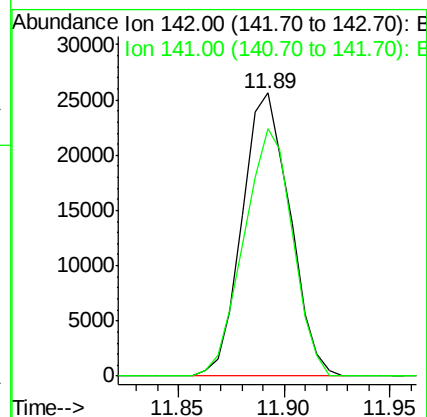
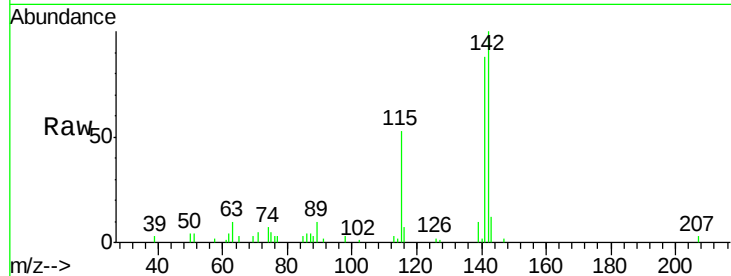




#34
2-Methylnaphthalene
Concen: 4.02 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

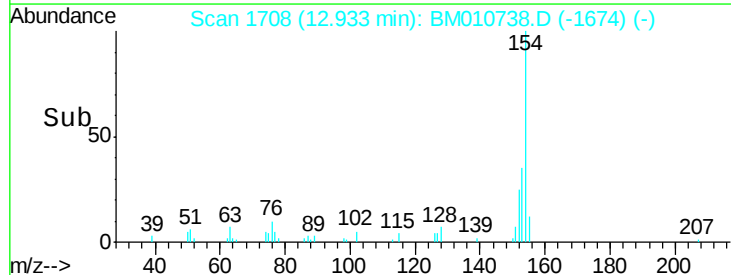
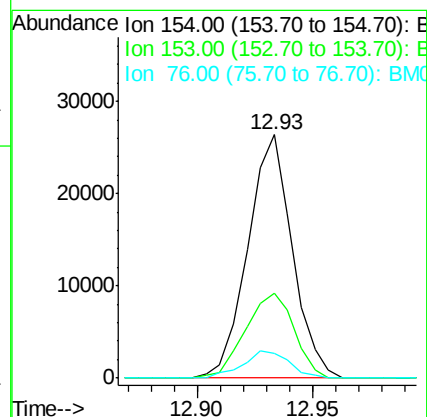
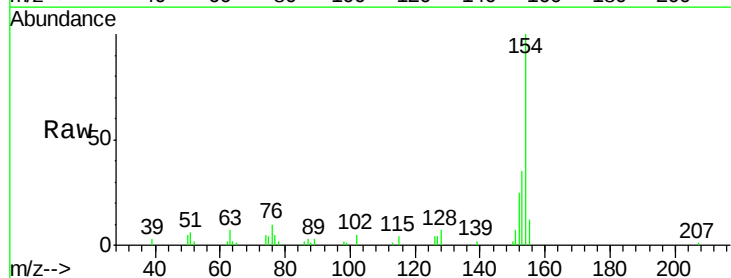
Instrument :
BNA_M
ClientSampleId :
F5C50DL

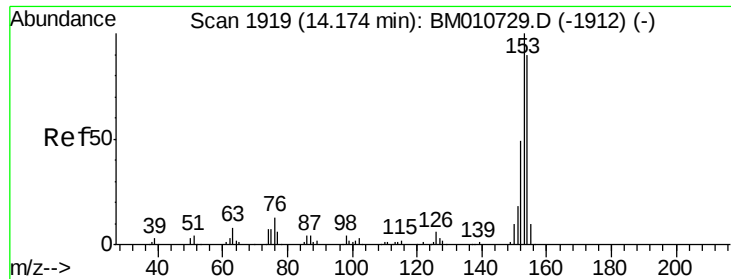
Tgt Ion:142 Resp: 40286
Ion Ratio Lower Upper
142 100
141 87.6 74.1 111.1



#40
1,1'-Biphenyl
Concen: 2.63 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. -0.00 min
Lab File: BM010738.D
Acq: 24 Jun 2017 20:03

Tgt Ion:154 Resp: 35446
Ion Ratio Lower Upper
154 100
153 34.7 32.6 48.8
76 10.1 8.5 12.7





#49

Acenaphthene

Concen: 15.80 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

ClientSampleId :

F5C50DL

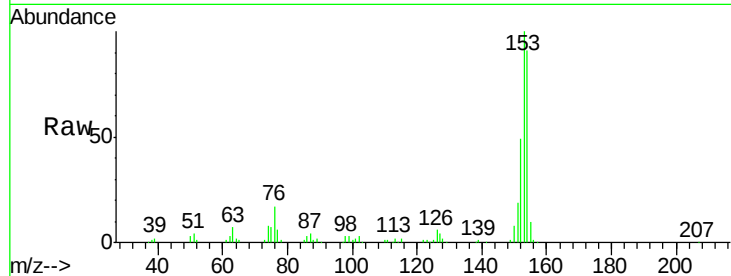
Tgt Ion:153 Resp: 178739

Ion Ratio Lower Upper

153 100

152 49.1 37.6 56.4

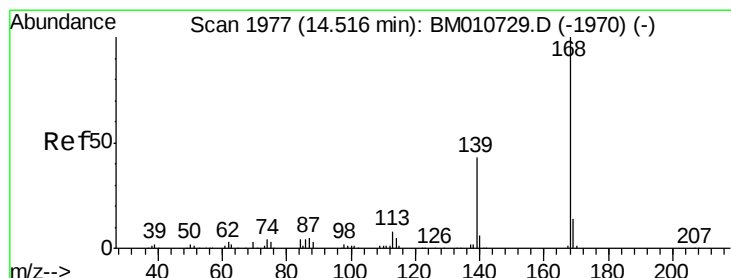
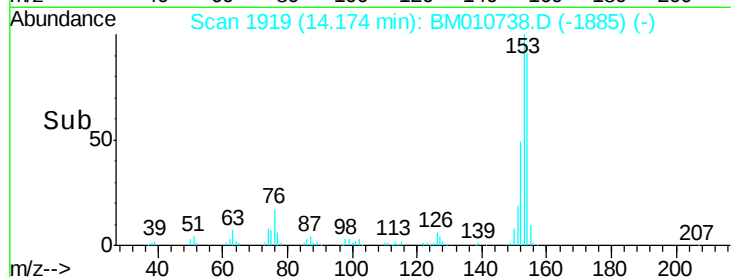
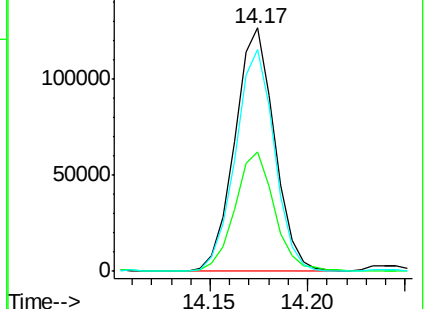
154 90.9 70.4 105.6



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



#53

Dibenzofuran

Concen: 15.00 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010738.D

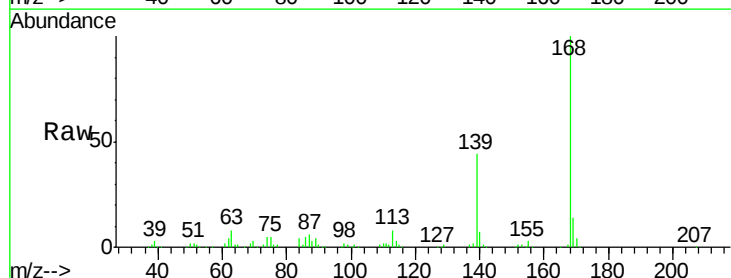
Acq: 24 Jun 2017 20:03

Tgt Ion:168 Resp: 256926

Ion Ratio Lower Upper

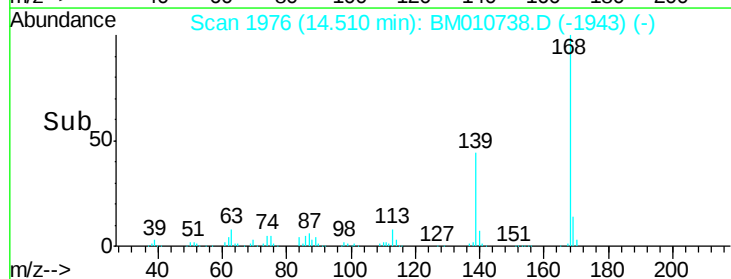
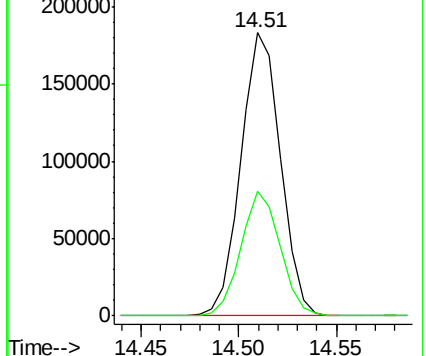
168 100

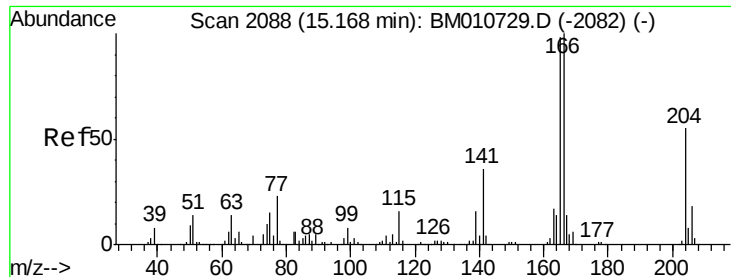
139 43.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 19.52 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

ClientSampled :

F5C50DL

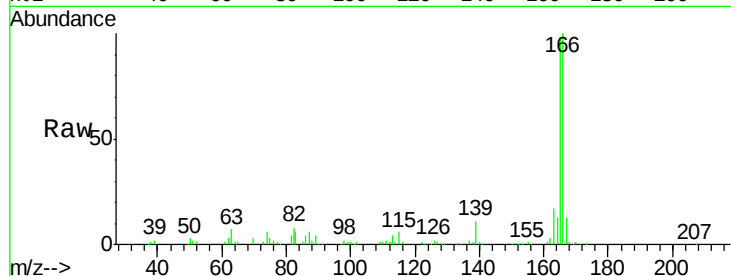
Tgt Ion:166 Resp: 280024

Ion Ratio Lower Upper

166 100

165 98.1 77.9 116.9

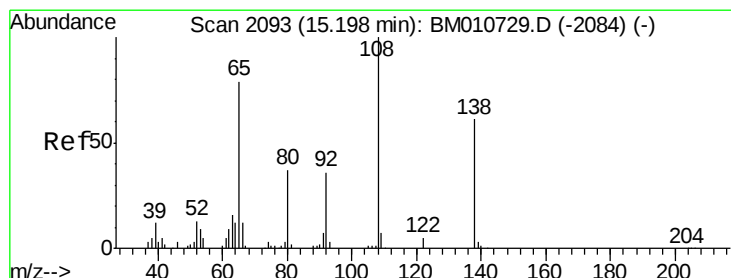
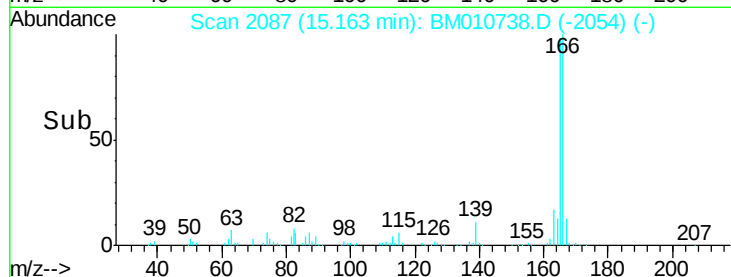
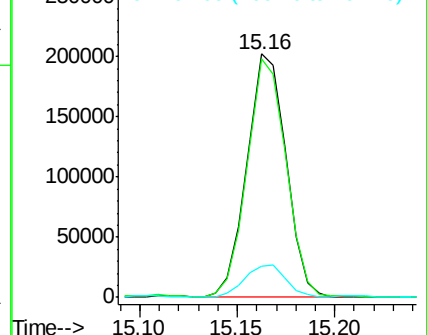
167 13.0 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.30 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.04 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

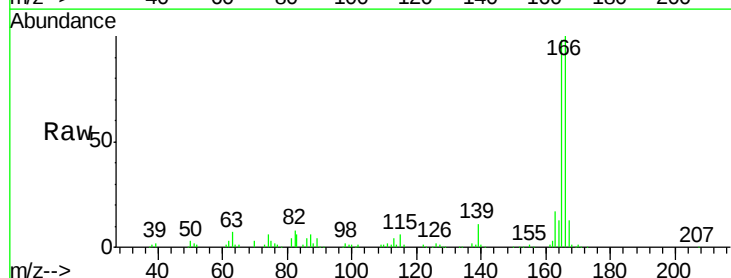
Tgt Ion:138 Resp: 3980

Ion Ratio Lower Upper

138 100

92 0.0 52.7 79.1#

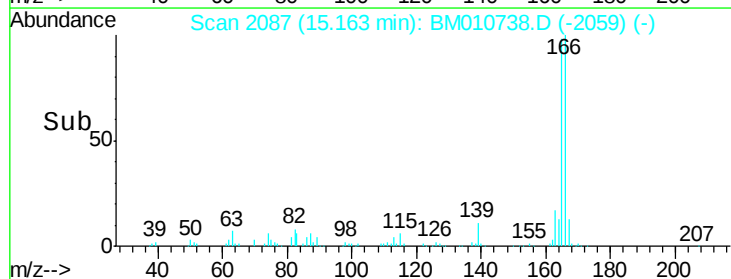
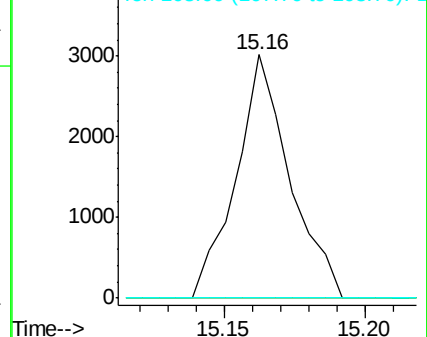
108 0.0 140.4 210.6#

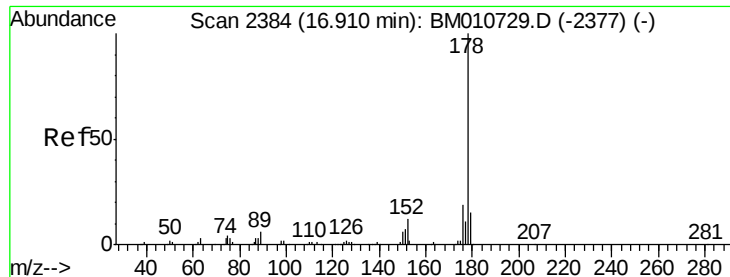


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 41.99 ng/u1

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010738.D

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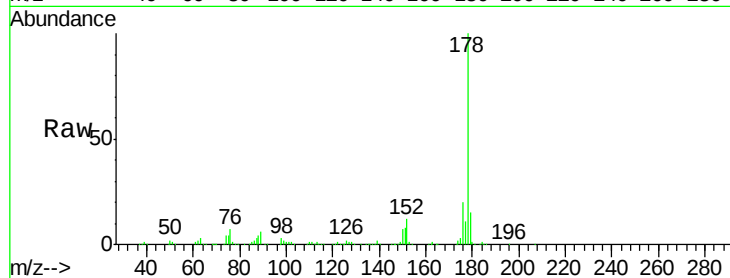
Tgt Ion:178 Resp: 984588

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

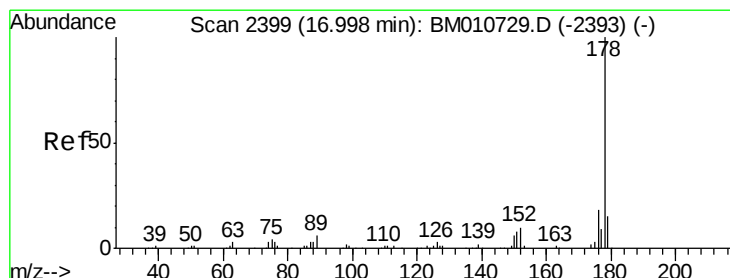
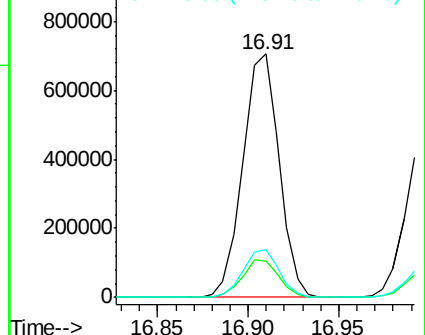
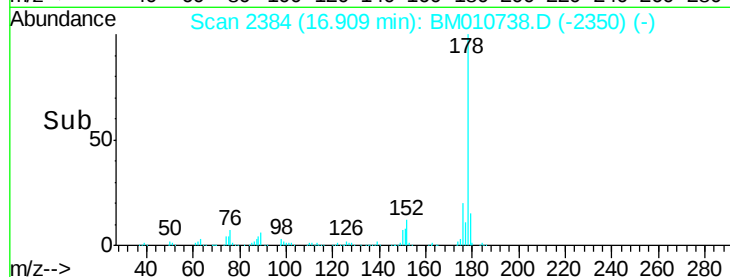
176 19.5 14.9 22.3



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: 26.64 ng/u1

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

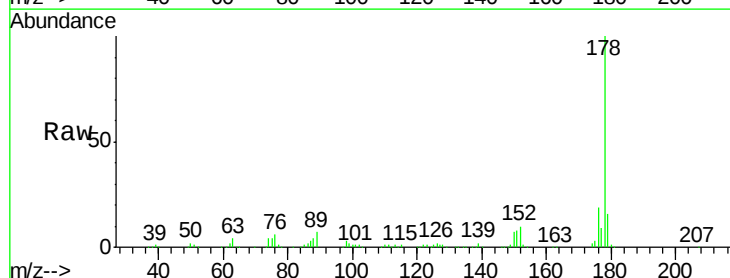
Tgt Ion:178 Resp: 643528

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

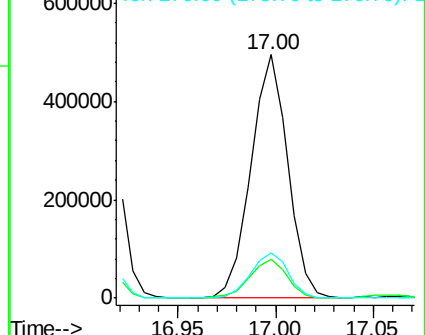
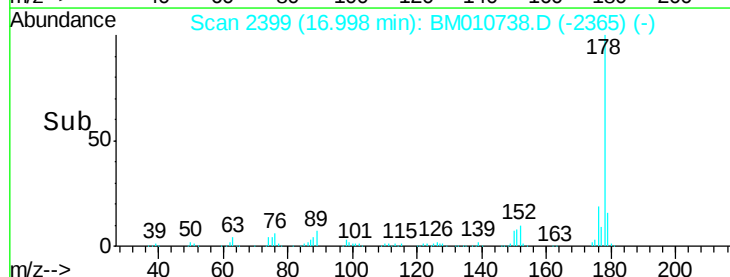
176 18.5 14.6 21.8

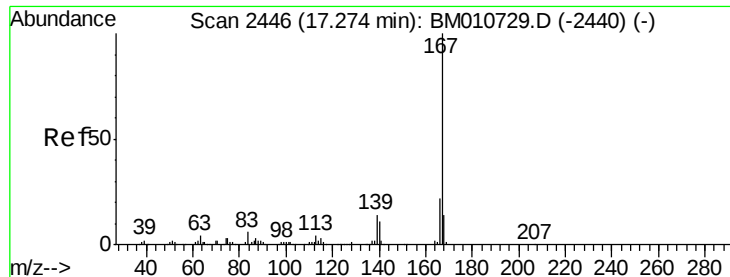


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 9.52 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

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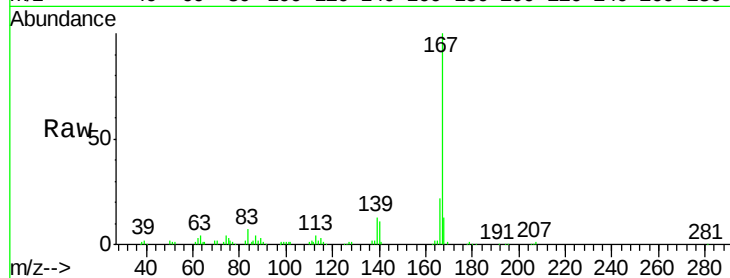
Tgt Ion:167 Resp: 200608

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

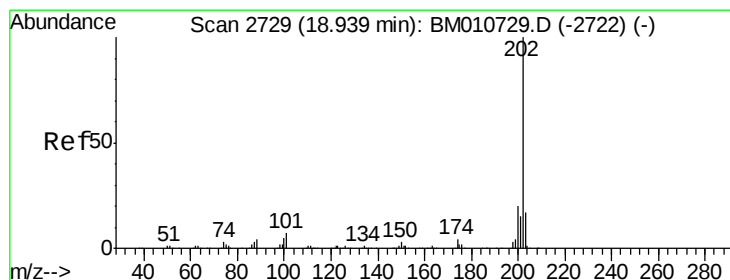
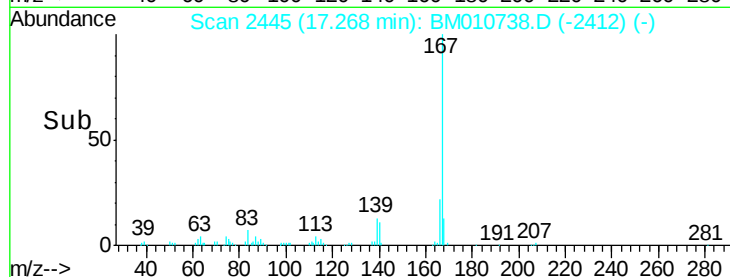
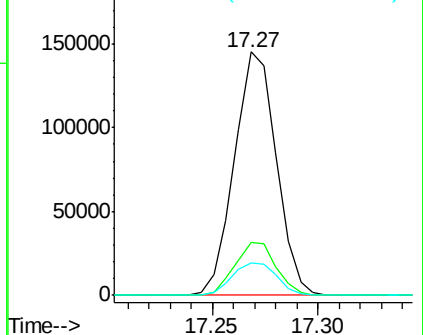
139 13.4 10.0 15.0



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: 24.14 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

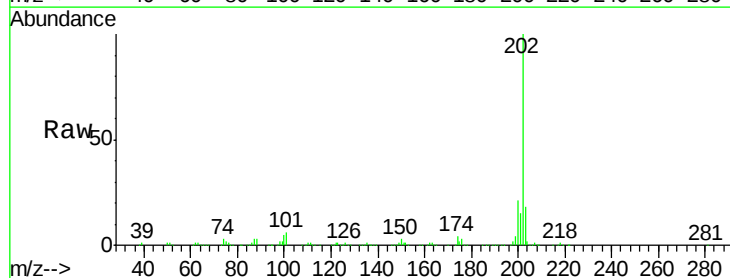
Tgt Ion:202 Resp: 729601

Ion Ratio Lower Upper

202 100

101 6.5 4.6 7.0

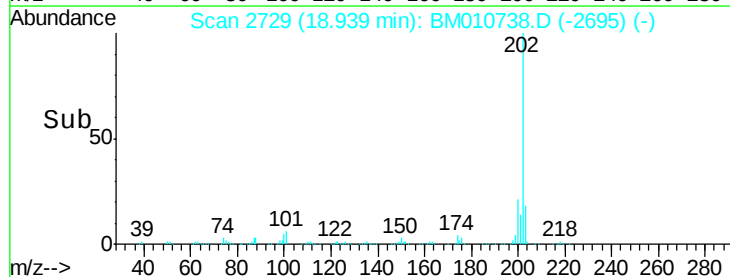
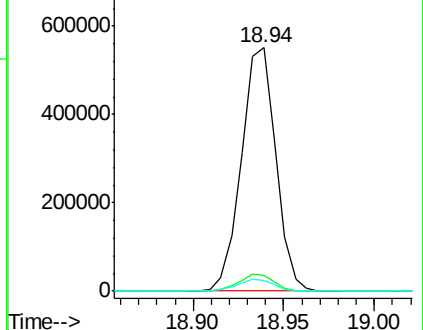
100 4.6 3.4 5.2

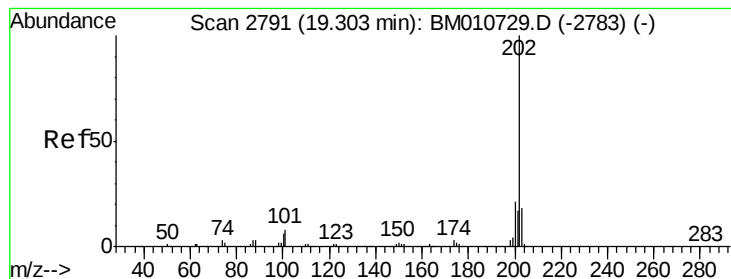


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 16.01 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

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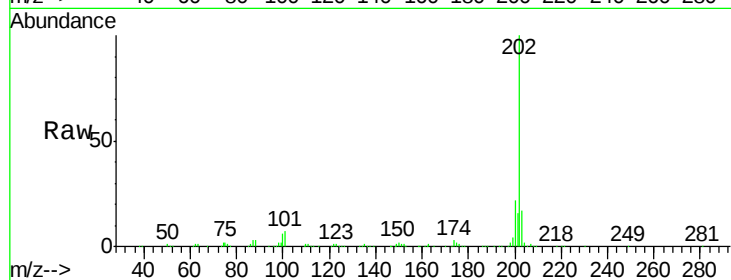
Tgt Ion:202 Resp: 502475

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

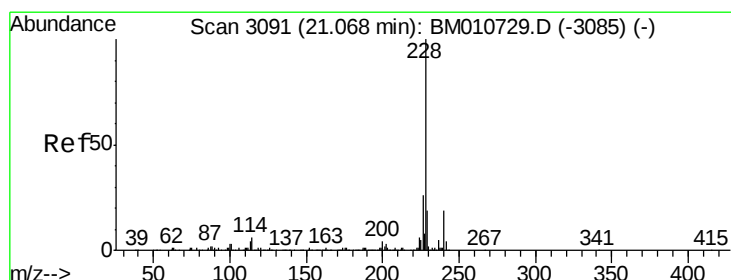
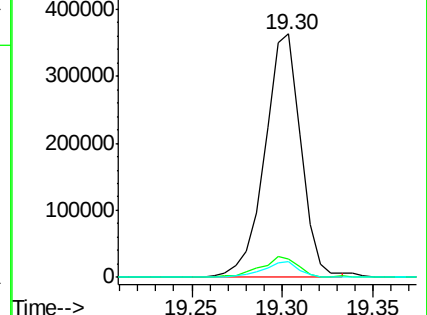
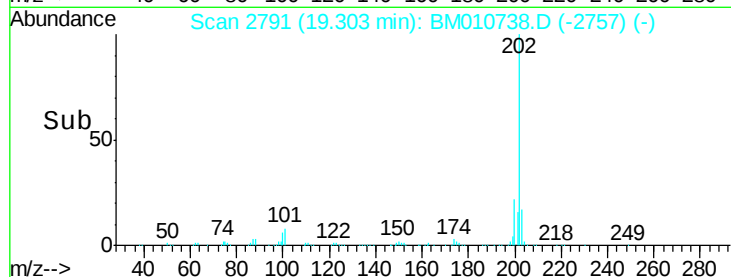
100 6.5 4.9 7.3



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: 6.03 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

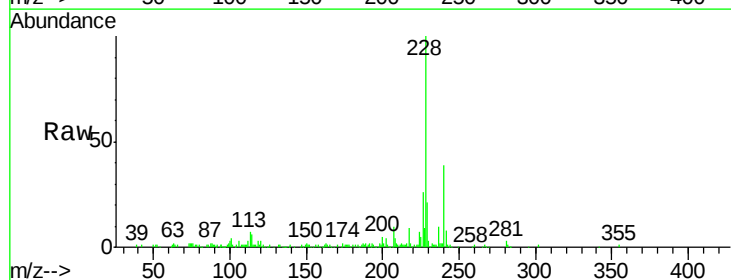
Tgt Ion:228 Resp: 191012

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

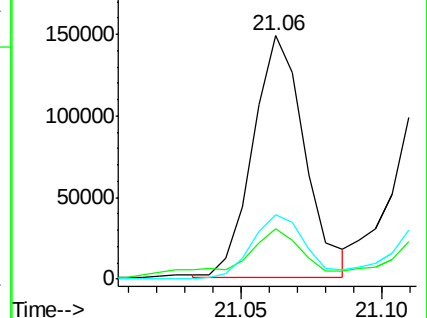
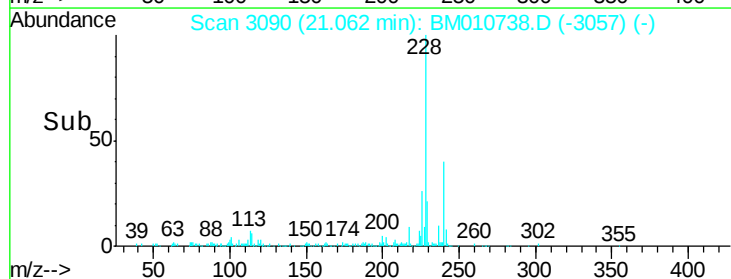
226 26.2 21.4 32.0

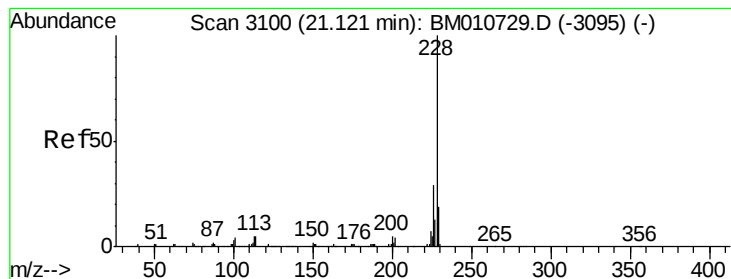


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 5.93 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

ClientSampleId :

F5C50DL

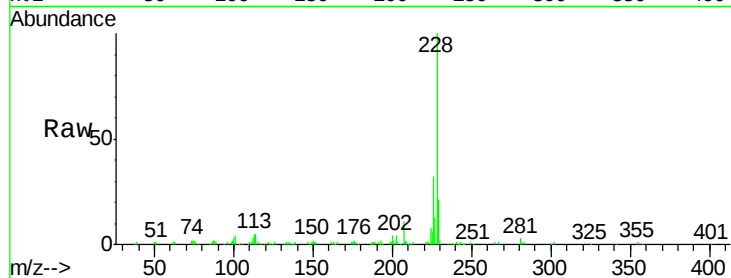
Tgt Ion:228 Resp: 167294

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

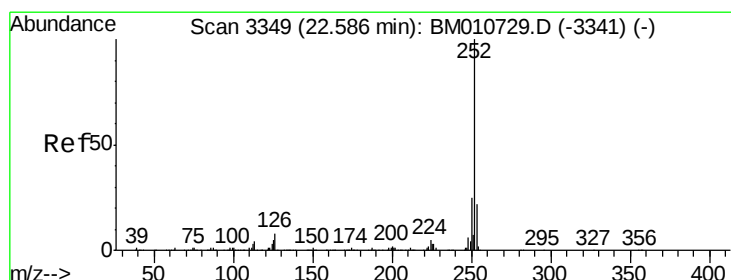
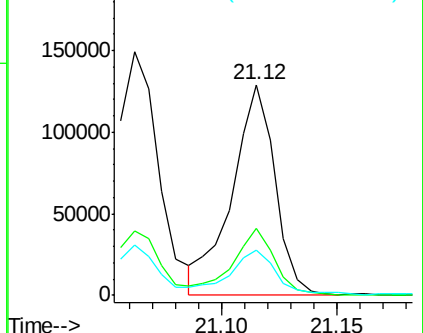
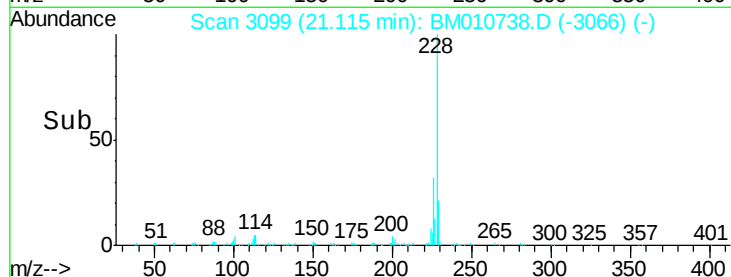
229 21.4 15.5 23.3



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: 4.41 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.00 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

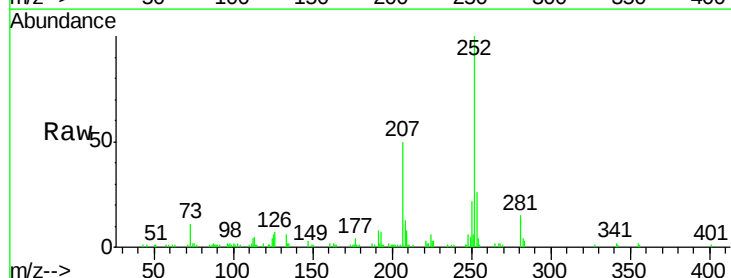
Tgt Ion:252 Resp: 121267

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

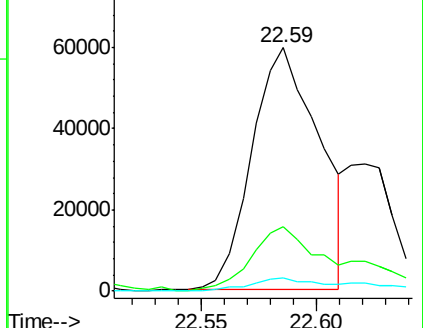
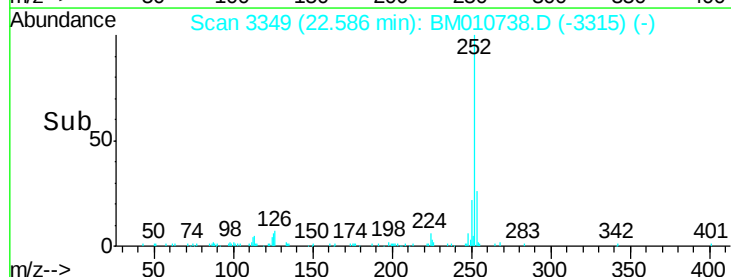
125 5.5 3.6 5.4#

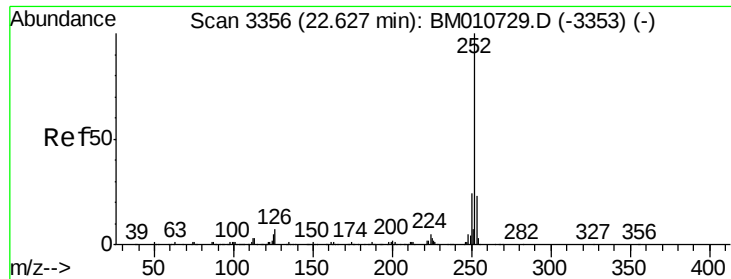


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

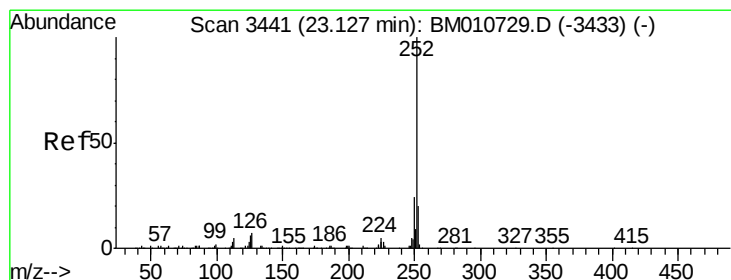
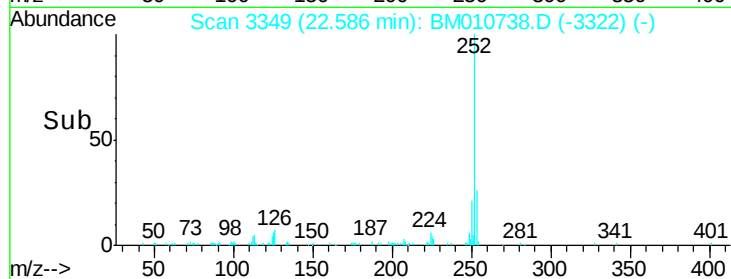
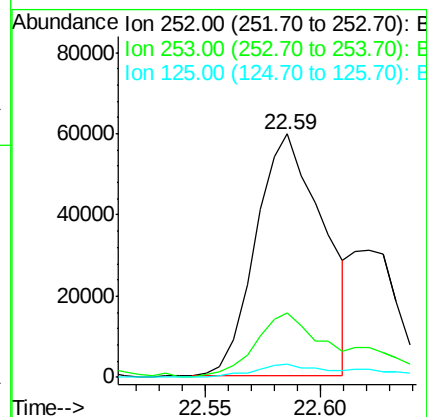
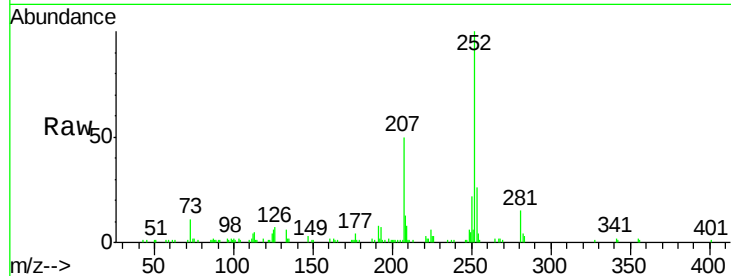




#86
 Benzo(k)fluoranthene
 Concen: 4.65 ng/ul
 RT: 22.59 min Scan# 3349
 Delta R.T. -0.04 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

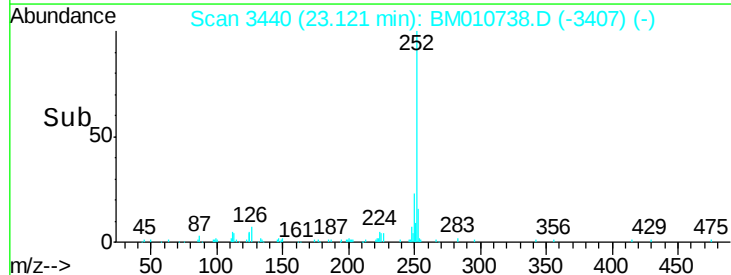
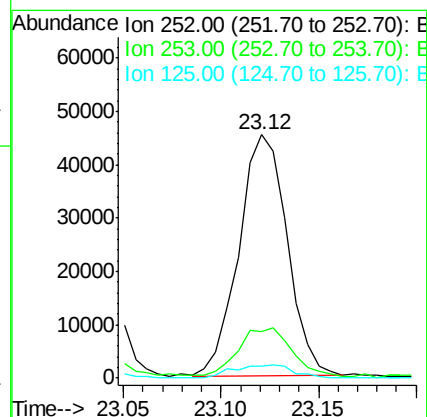
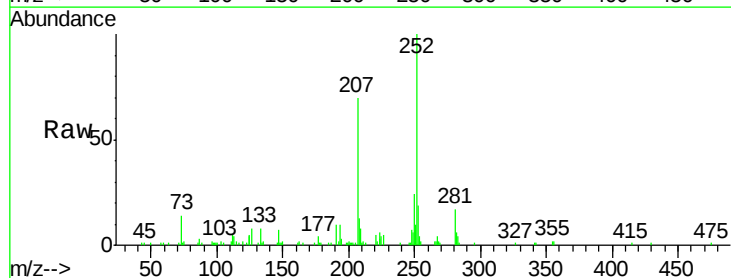
Instrument :
 BNA_M
 ClientSampleId :
 F5C50DL

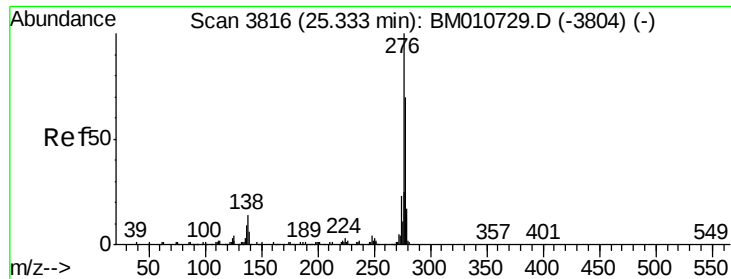
Tgt Ion:252 Resp: 121267
 Ion Ratio Lower Upper
 252 100
 253 26.4 17.1 25.7#
 125 5.5 3.4 5.2#



#88
 Benzo(a)pyrene
 Concen: 3.06 ng/ul
 RT: 23.12 min Scan# 3440
 Delta R.T. -0.01 min
 Lab File: BM010738.D
 Acq: 24 Jun 2017 20:03

Tgt Ion:252 Resp: 77517
 Ion Ratio Lower Upper
 252 100
 253 18.9 18.2 27.2
 125 4.9 4.0 6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.16 ng/ul

RT: 25.32 min Scan# 3814

Delta R.T. -0.01 min

Lab File: BM010738.D

Acq: 24 Jun 2017 20:03

Instrument :

BNA_M

ClientSampleId :

F5C50DL

Tgt Ion: 276 Resp: 30495

Ion Ratio Lower Upper

276 100

138 14.3 9.3 13.9#

277 23.1 19.9 29.9

