

Data File : BM010630.D
Acq On : 21 Jun 2017 19:28
Operator : SJ/JU
Sample : I3627-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A90

Quant Time: Jun 22 00:46:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 00:43:46 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	69816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	317829	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	216898	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	539592	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	664656	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	620740	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3738	3.07	ng/uL	0.00
5) Phenol-d5	6.65	99	96216	14.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	60363	15.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	79870	17.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	86098	15.61	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	40583	17.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	48940	18.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	95049	17.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	110924	19.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	380213	19.97	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	422761	19.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	47811	14.27	ng/ul	0.00
57) Fluorene-d10	15.12	176	325368	19.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	59081	17.83	ng/ul	0.00
70) Anthracene-d10	16.87	188	539592	20.71	ng/ul	-0.09
76) Pyrene-d10	19.28	212	637082	20.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	618042	20.60	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.29	128	2908504	183.89	ng/ul	99
30) 4-Chloroaniline	10.29	127	389569	66.84	ng/ul#	24
34) 2-Methylnaphthalene	11.90	142	609183	47.91	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	155787	9.19	ng/ul	98
44) Dimethylphthalate	13.59	163	140826	7.55	ng/ul	99
49) Acenaphthene	14.18	153	431393	30.32	ng/ul	98
53) Dibenzofuran	14.52	168	663929	30.81	ng/ul	92
58) Fluorene	15.17	166	441092	24.45	ng/ul	97
60) 4-Nitroaniline	15.17	138	6077	1.58	ng/ul#	1
69) Phenanthrene	16.92	178	3227717	112.52	ng/ul	98
71) Anthracene	17.00	178	381211	12.90	ng/ul	98
72) Carbazole	17.28	167	63840	2.48	ng/ul	98
74) Fluoranthene	18.94	202	1770722	47.90	ng/ul	97
77) Pyrene	19.31	202	997868	25.99	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	359806	9.30	ng/ul	97
82) Chrysene	21.12	228	284746	8.25	ng/ul	100
85) Benzo(b)fluoranthene	22.59	252	205587	5.10	ng/ul	97
86) Benzo(k)fluoranthene	22.59	252	205587	5.38	ng/ul#	99
88) Benzo(a)pyrene	23.13	252	107236	2.89	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.33	276	41107	1.07	ng/ul#	97

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

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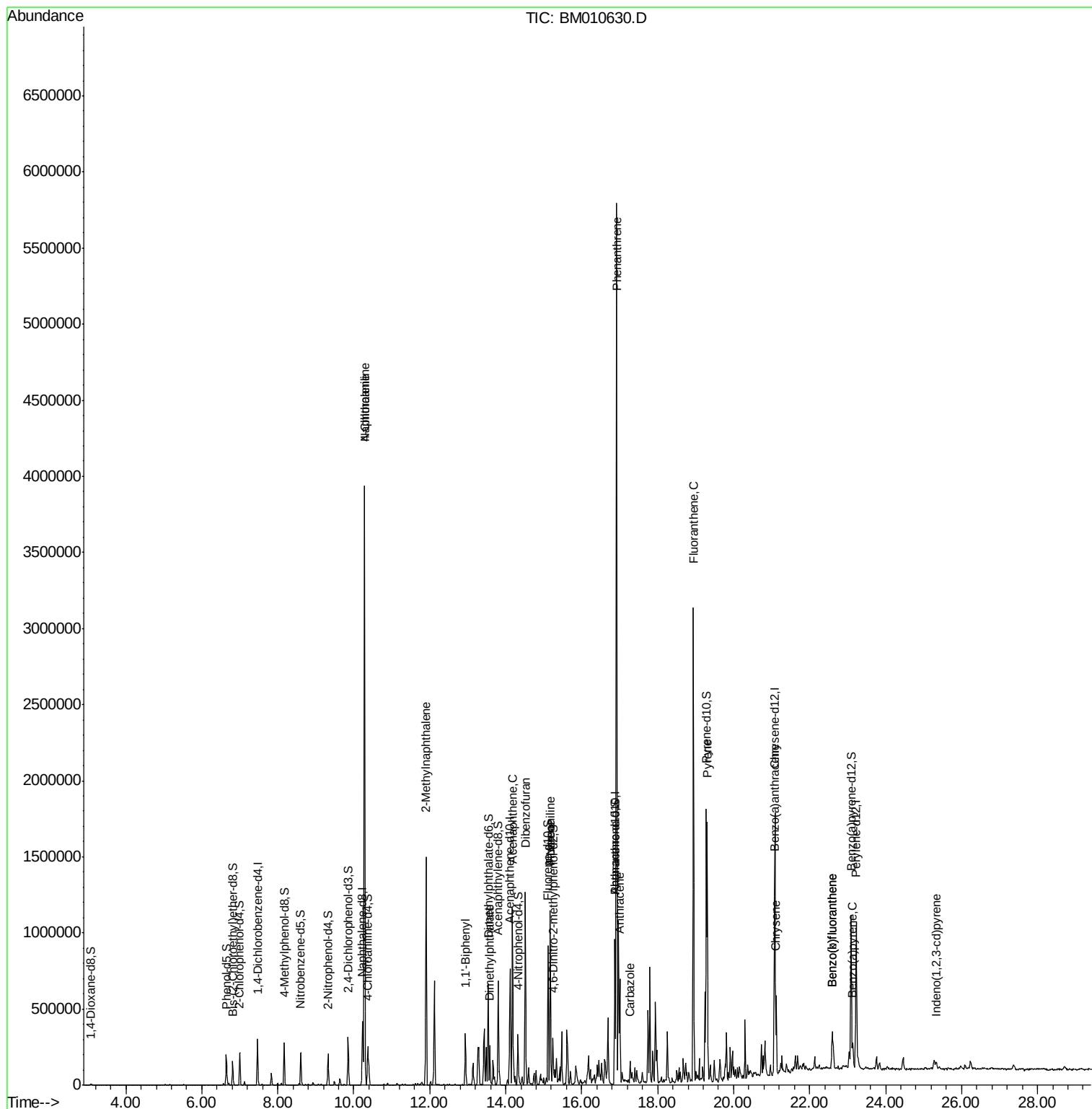
Quant Time: Jun 22 00:46:01 2017

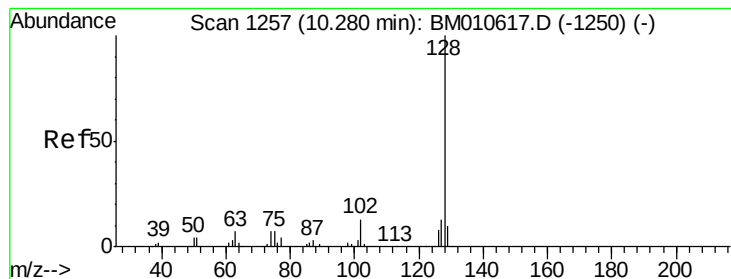
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 22 00:43:46 2017

Response via : Initial Calibration





#28

Naphthalene

Concen: 183.89 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM010630.D

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Instrument :

BNA_M

ClientSampleId :

F5A90

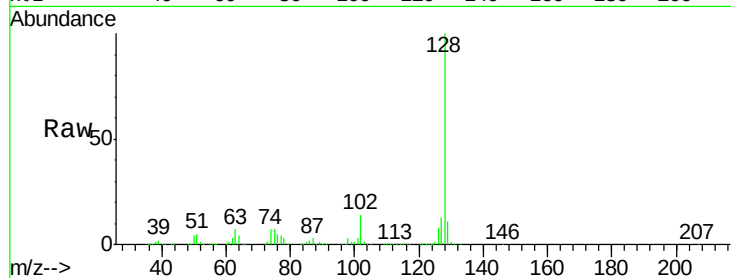
Tgt Ion:128 Resp: 2908504

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

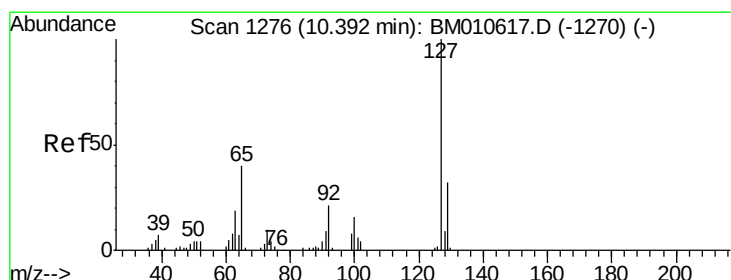
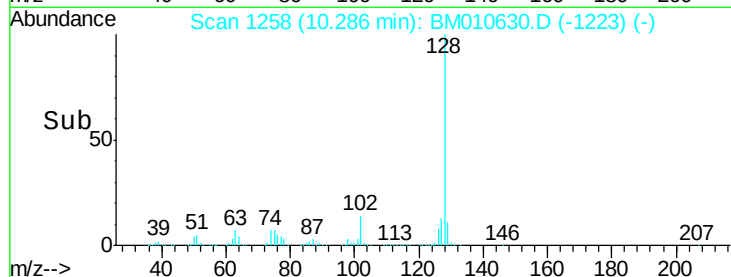
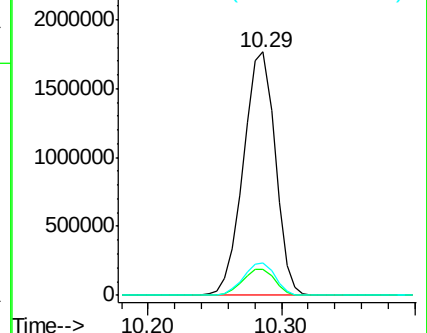
127 13.5 10.6 16.0



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: 66.84 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. -0.11 min

Lab File: BM010630.D

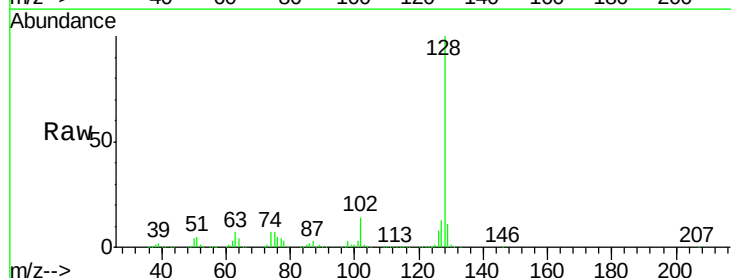
Acq: 21 Jun 2017 19:28

Tgt Ion:127 Resp: 389569

Ion Ratio Lower Upper

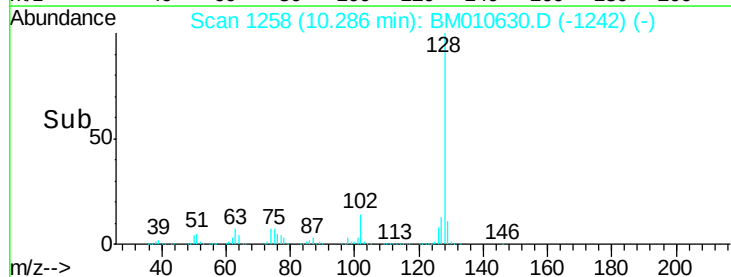
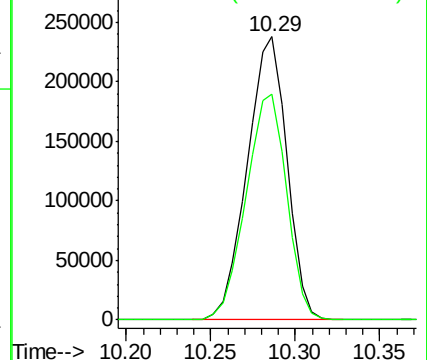
127 100

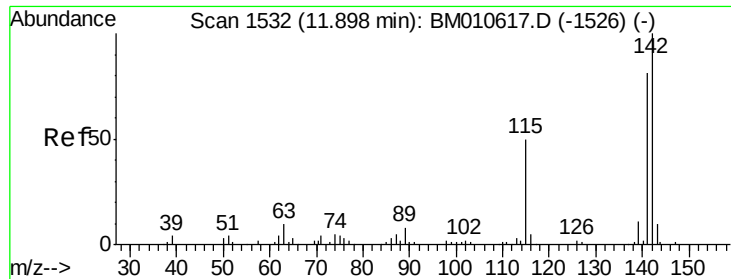
129 79.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

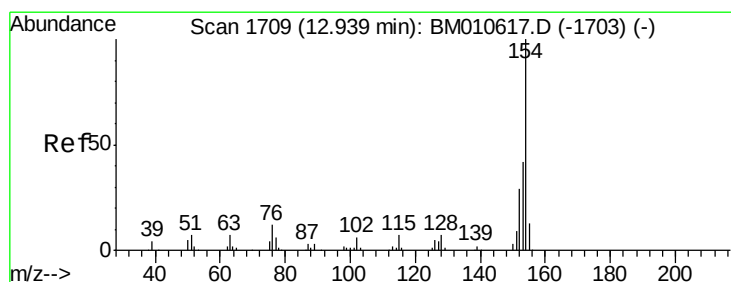
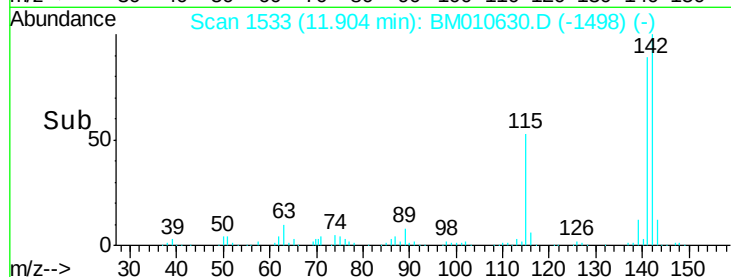
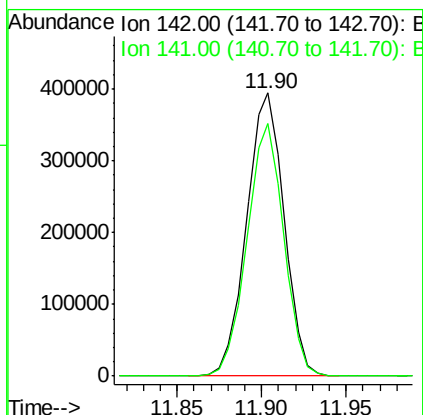
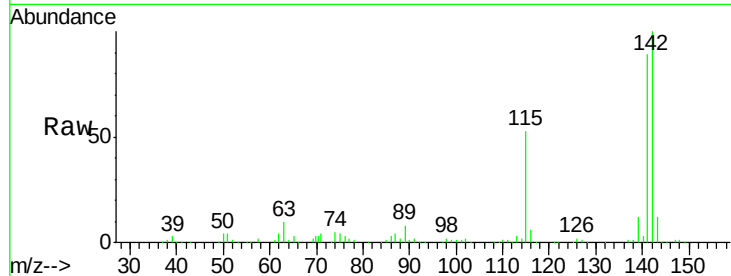




#34
2-Methylnaphthalene
Concen: 47.91 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

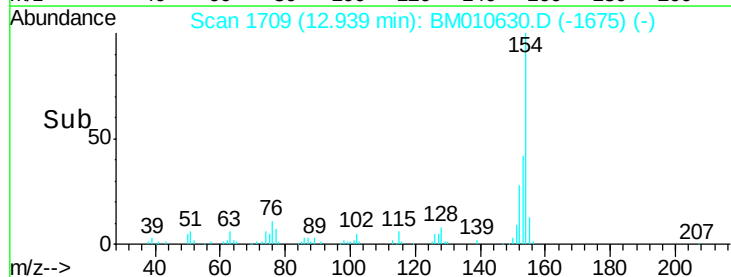
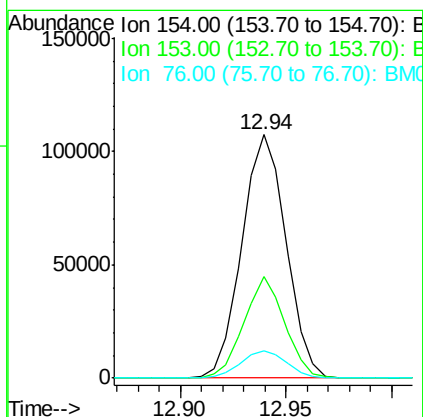
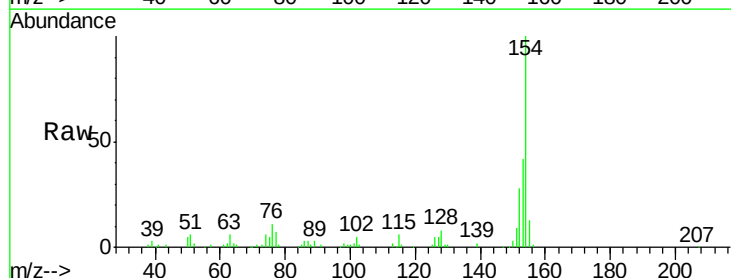
Instrument :
BNA_M
ClientSampleId :
F5A90

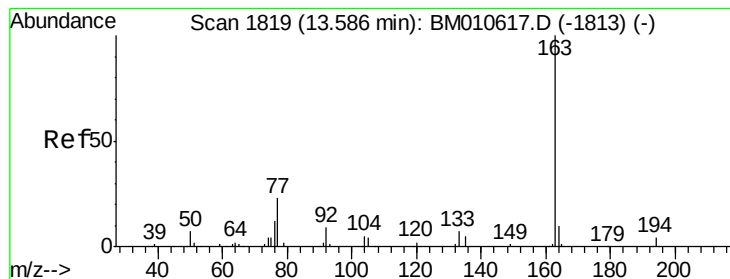
Tgt Ion:142 Resp: 609183
Ion Ratio Lower Upper
142 100
141 89.2 74.1 111.1



#40
1,1'-Biphenyl
Concen: 9.19 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Tgt Ion:154 Resp: 155787
Ion Ratio Lower Upper
154 100
153 41.7 32.6 48.8
76 11.4 8.5 12.7





#44

Dimethylphthalate

Concen: 7.55 ng/ul

RT: 13.59 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

ClientSampleId :

F5A90

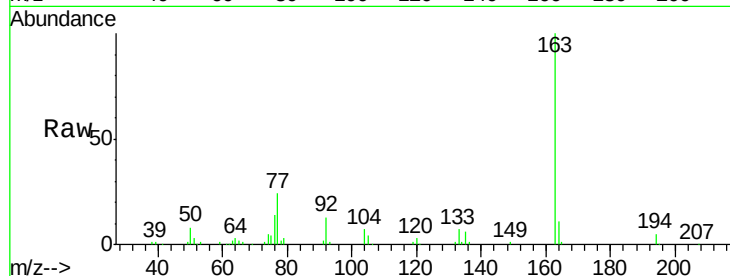
Tgt Ion:163 Resp: 140826

Ion Ratio Lower Upper

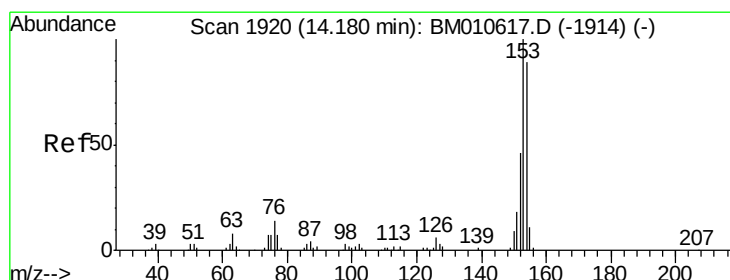
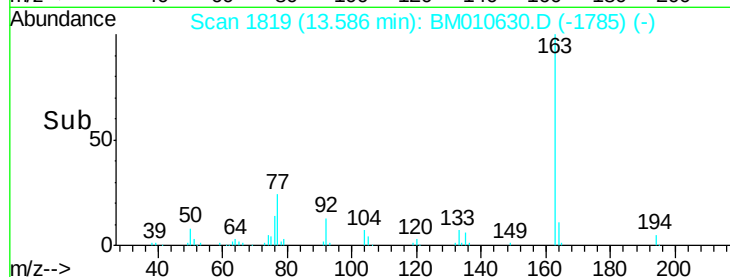
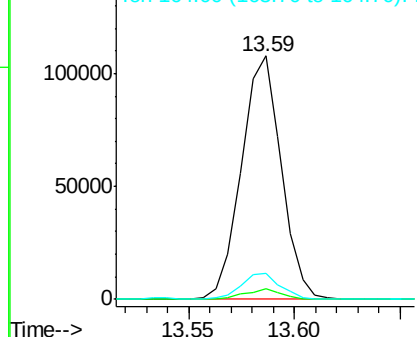
163 100

194 4.6 3.5 5.3

164 10.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 30.32 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

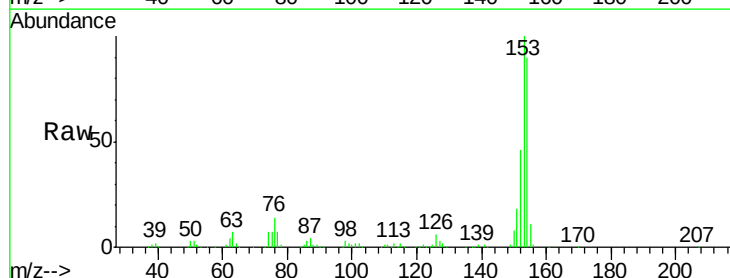
Tgt Ion:153 Resp: 431393

Ion Ratio Lower Upper

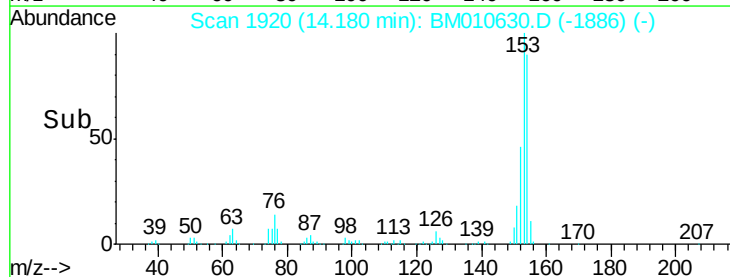
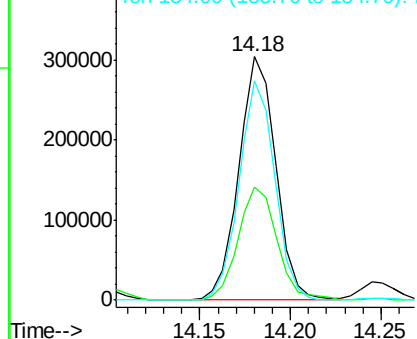
153 100

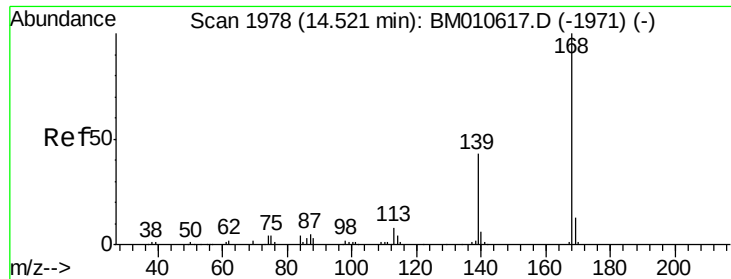
152 46.2 37.6 56.4

154 90.0 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

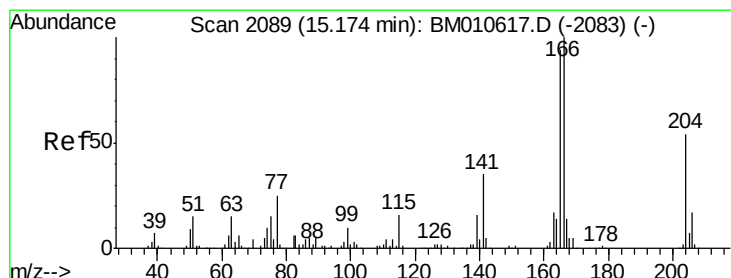
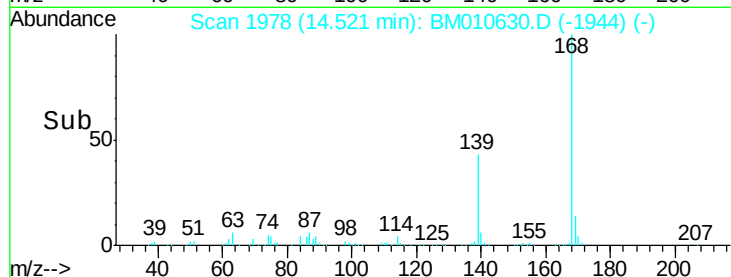
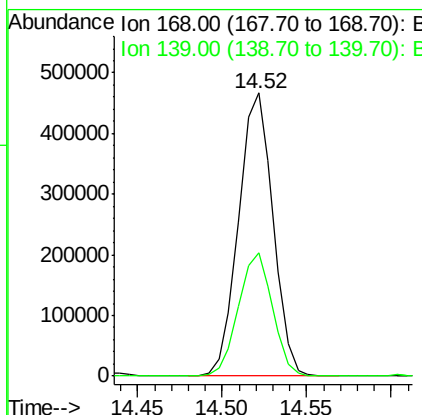
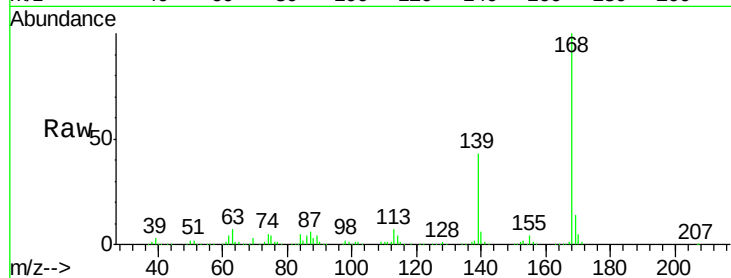




#53
Dibenzenofuran
Concen: 30.81 ng/ul
RT: 14.52 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

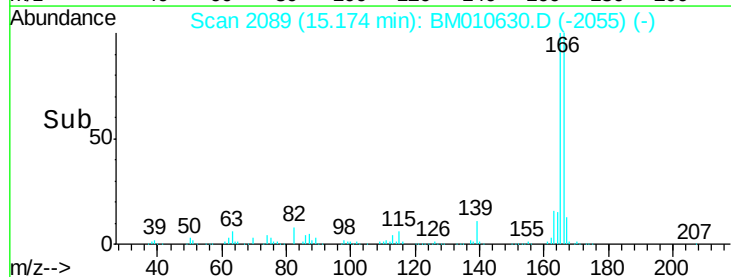
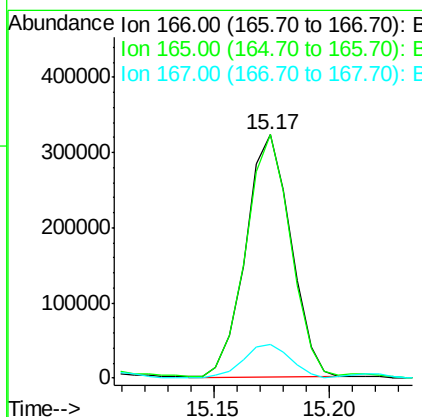
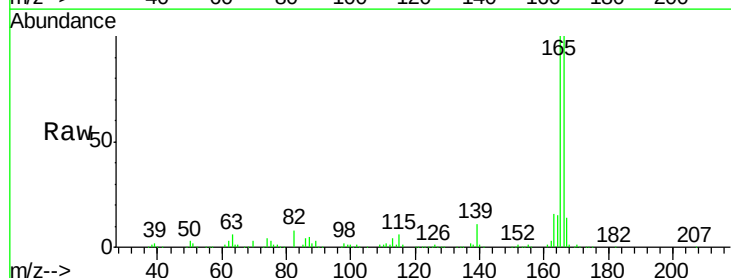
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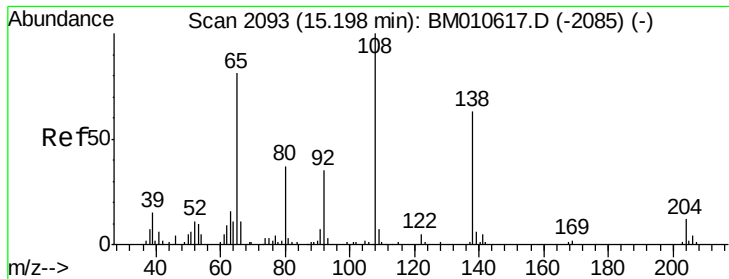
Tgt Ion:168 Resp: 663929
Ion Ratio Lower Upper
168 100
139 43.5 30.8 46.2



#58
Fluorene
Concen: 24.45 ng/ul
RT: 15.17 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Tgt Ion:166 Resp: 441092
Ion Ratio Lower Upper
166 100
165 100.2 77.9 116.9
167 13.8 10.6 16.0

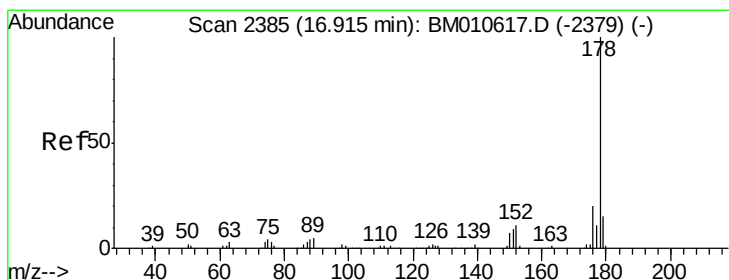
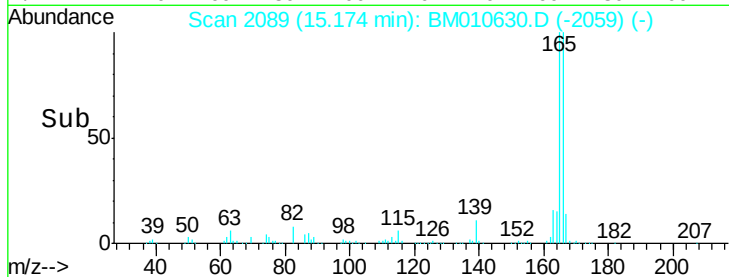
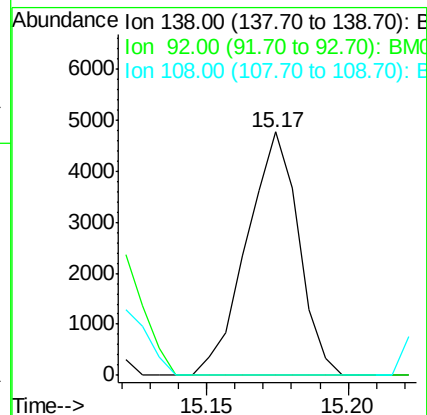
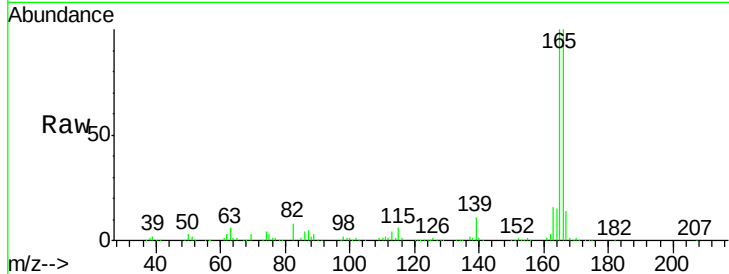




#60
4-Nitroaniline
Concen: 1.58 ng/ul
RT: 15.17 min Scan# 2089
Delta R.T. -0.02 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

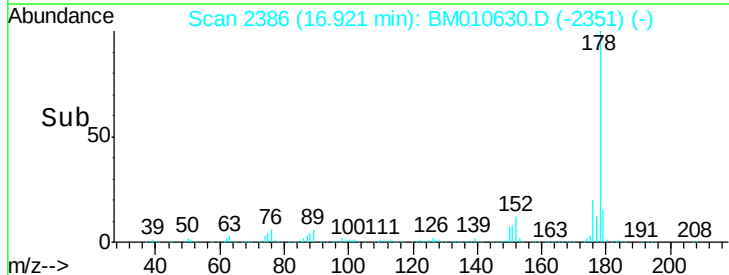
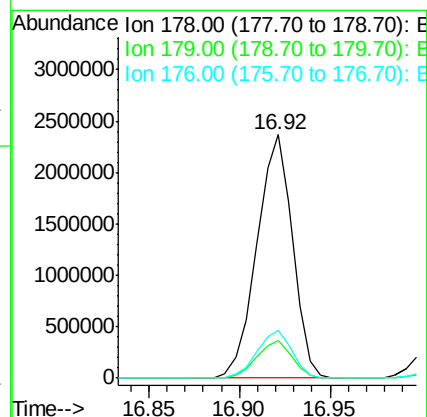
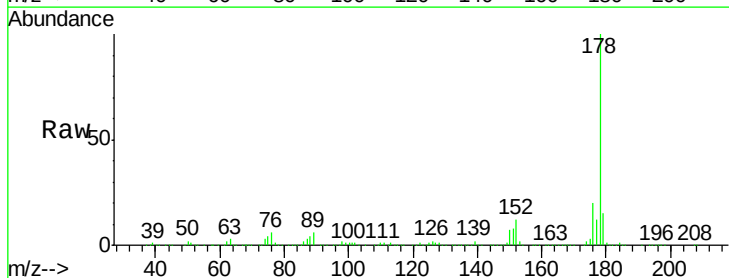
Instrument :
BNA_M
ClientSampleId :
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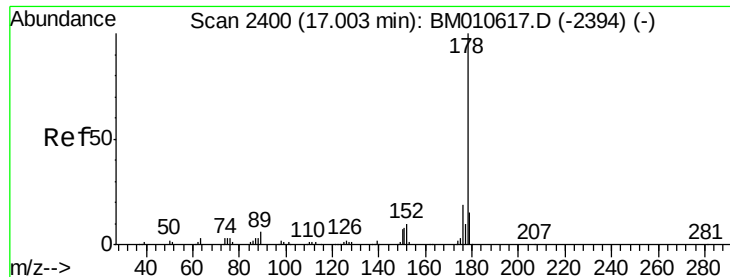
Tgt Ion:138 Resp: 6077
Ion Ratio Lower Upper
138 100
92 0.0 52.7 79.1#
108 0.0 140.4 210.6#



#69
Phenanthrene
Concen: 112.52 ng/ul
RT: 16.92 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Tgt Ion:178 Resp: 3227717
Ion Ratio Lower Upper
178 100
179 15.2 12.6 19.0
176 19.5 14.9 22.3

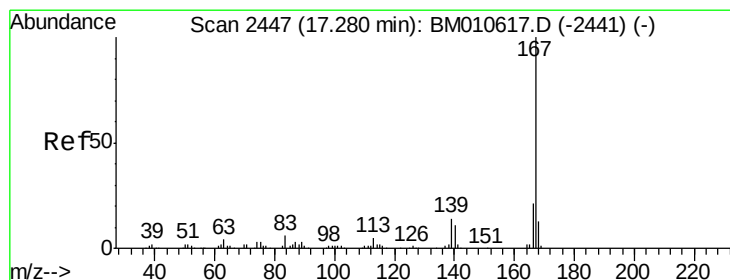
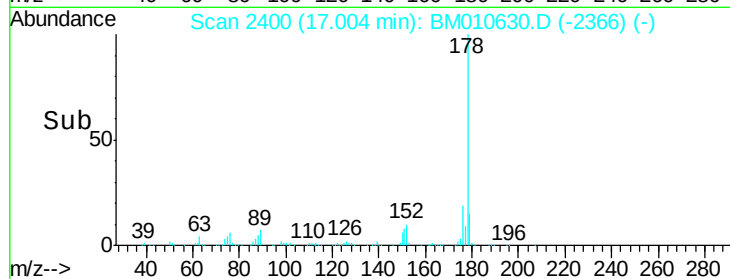
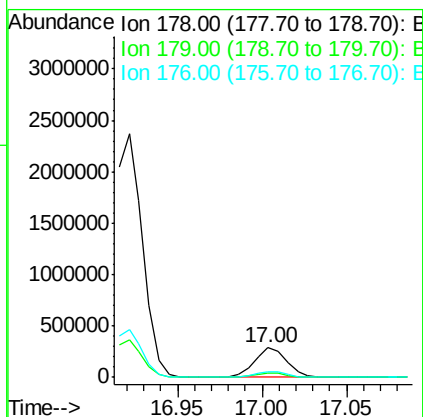
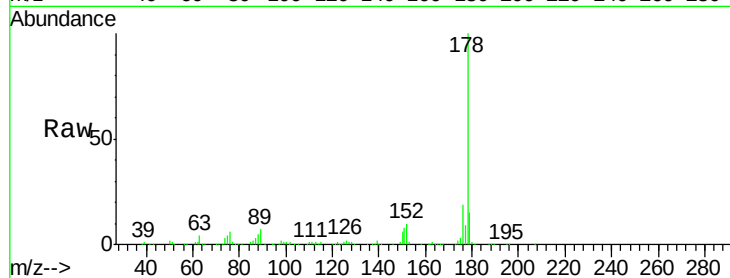




#71
 Anthracene
 Concen: 12.90 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

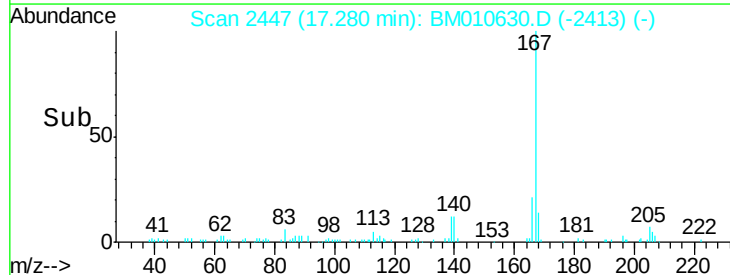
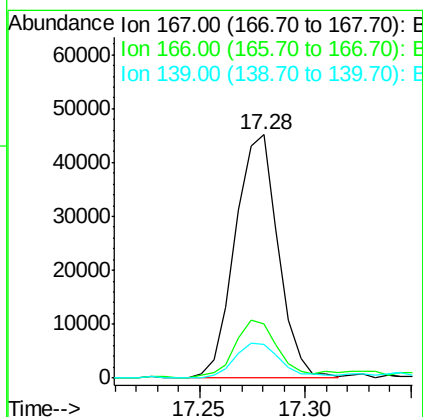
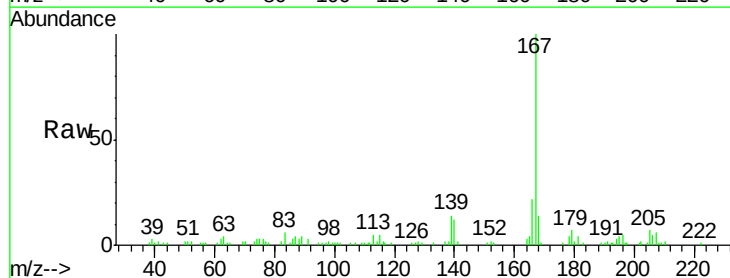
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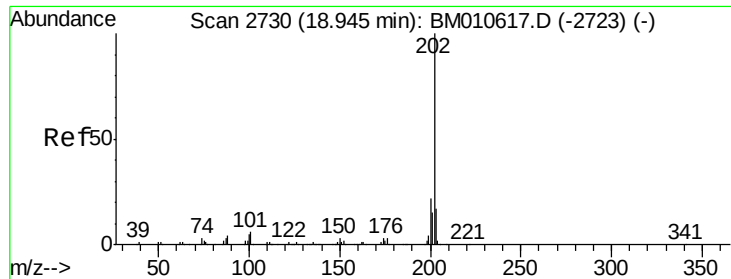
Tgt Ion:178 Resp: 381211
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.7 17.5
 176 19.4 14.6 21.8



#72
 Carbazole
 Concen: 2.48 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Tgt Ion:167 Resp: 63840
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 13.7 10.0 15.0





#74

Fluoranthene

Concen: 47.90 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

ClientSampleId :

F5A90

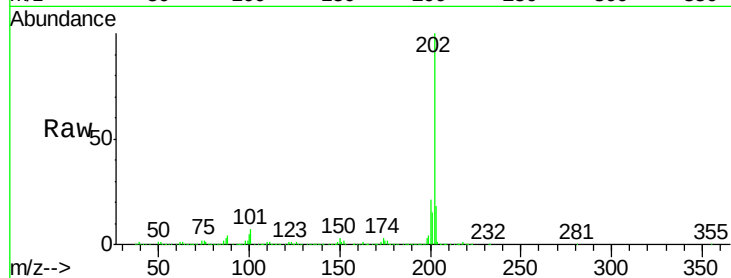
Tgt Ion:202 Resp: 1770722

Ion Ratio Lower Upper

202 100

101 6.7 4.6 7.0

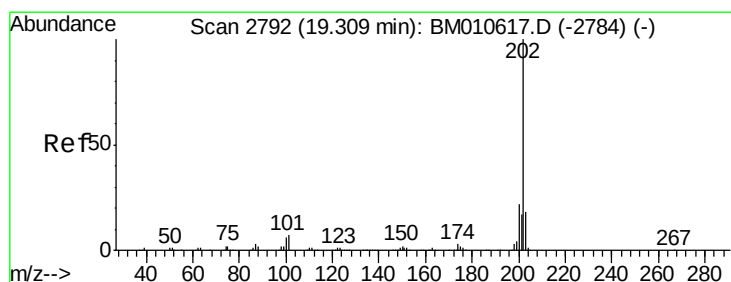
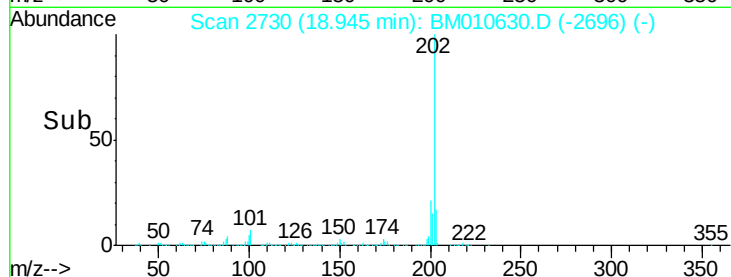
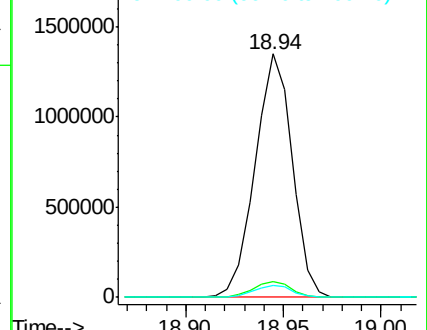
100 5.0 3.4 5.2



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: 25.99 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

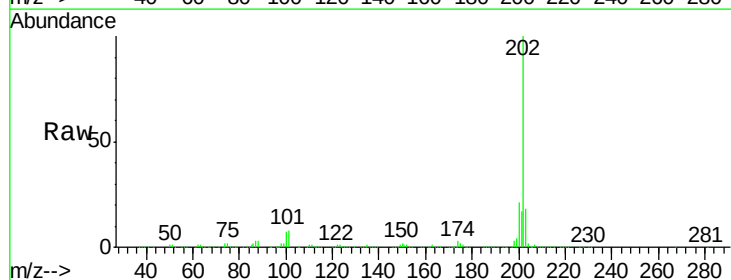
Tgt Ion:202 Resp: 997868

Ion Ratio Lower Upper

202 100

101 8.1 5.1 7.7#

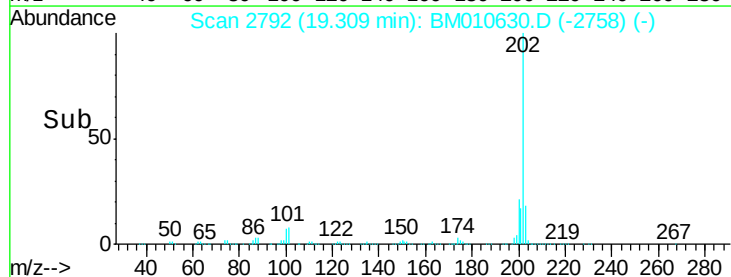
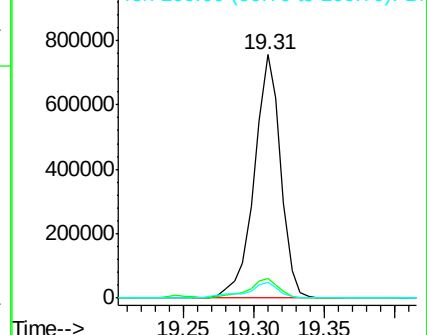
100 6.6 4.9 7.3

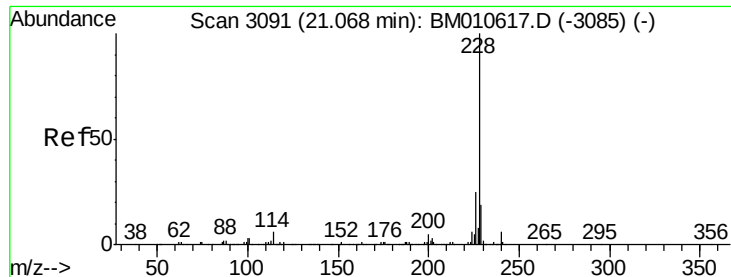


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

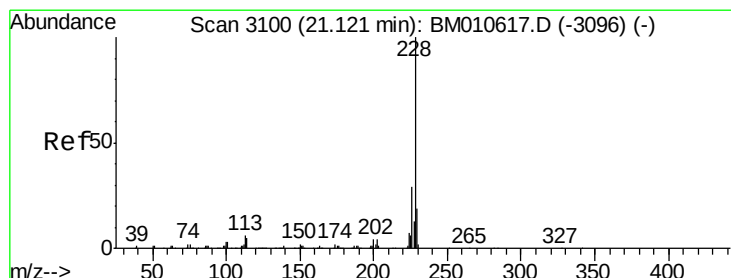
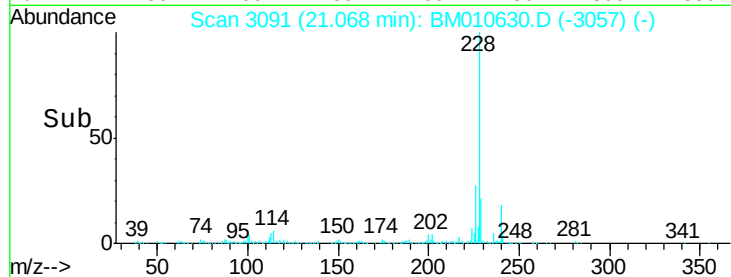
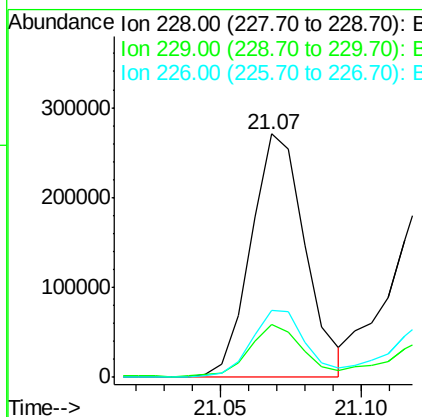
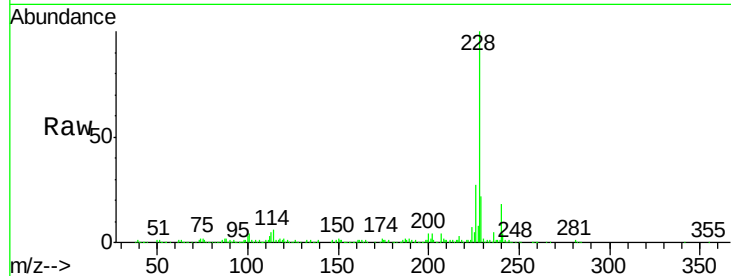




#80
Benzo(a)anthracene
Concen: 9.30 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

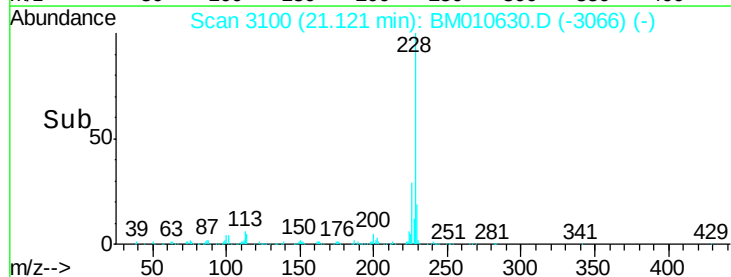
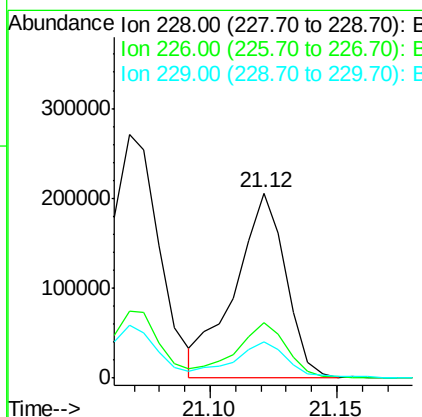
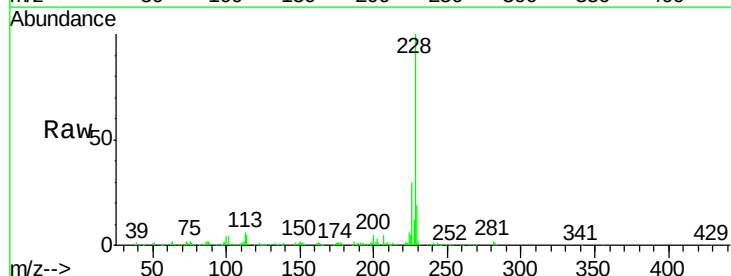
Instrument :
BNA_M
ClientSampleId :
F5A90

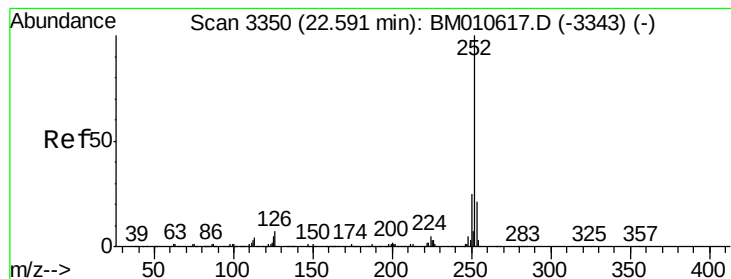
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.4	23.0
226	27.4	21.4	32.0



#82
Chrysene
Concen: 8.25 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	19.4	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 5.10 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

ClientSampleId :

F5A90

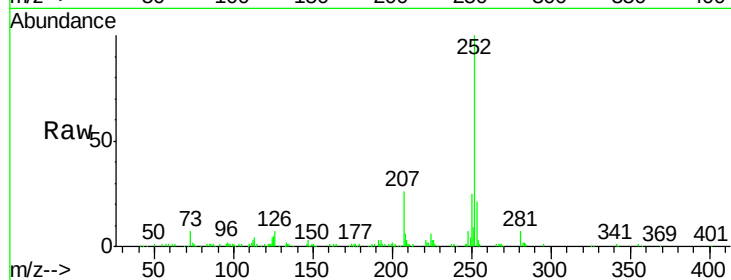
Tgt Ion:252 Resp: 205587

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

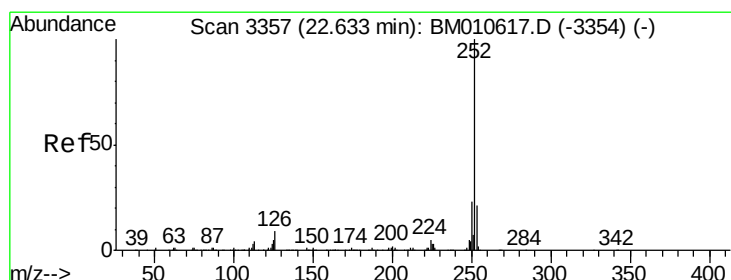
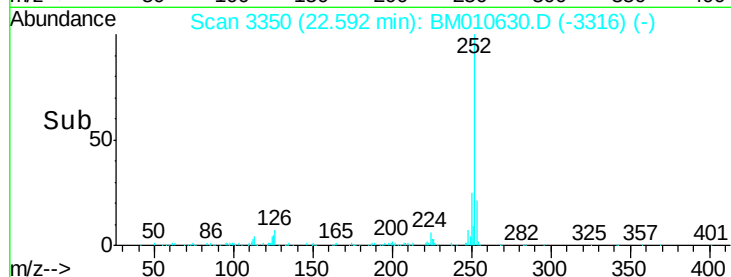
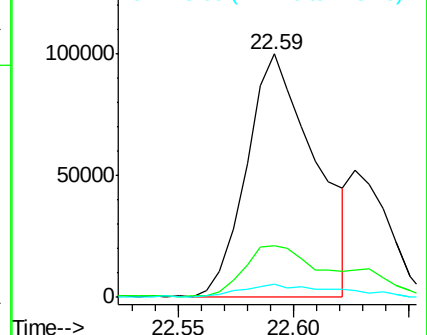
125 5.3 3.6 5.4



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: 5.38 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. -0.04 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

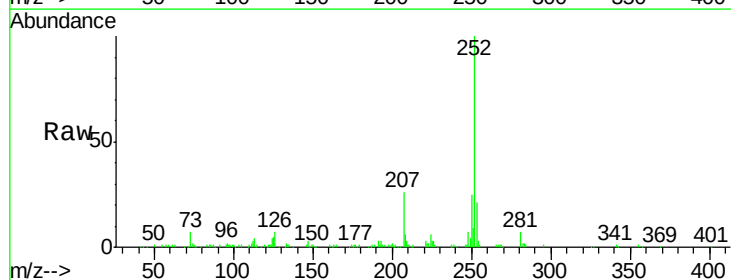
Tgt Ion:252 Resp: 205587

Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

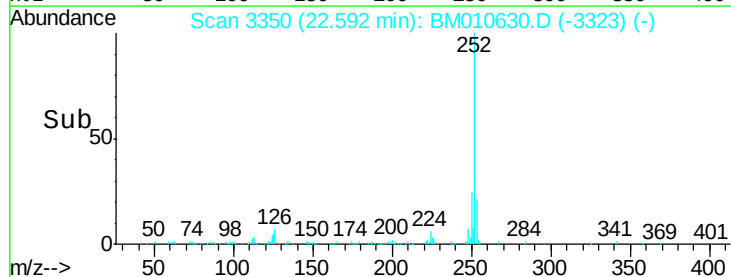
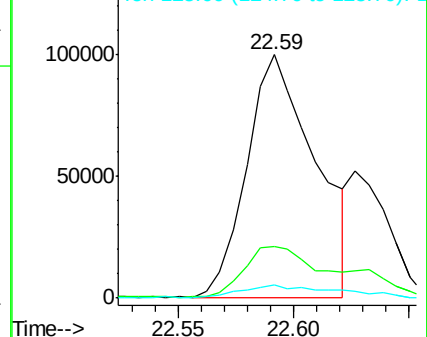
125 5.3 3.4 5.2#

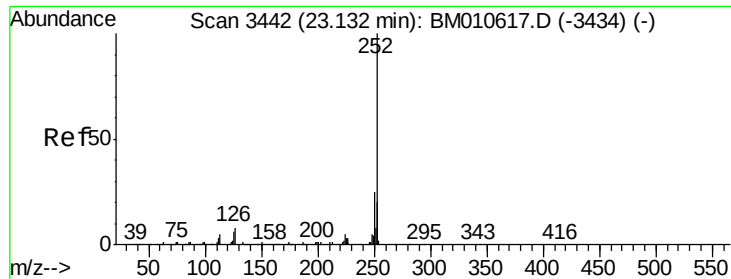


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.89 ng/ul

RT: 23.13 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

ClientSampleId :

F5A90

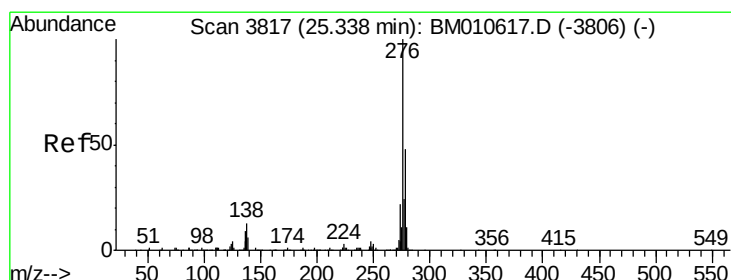
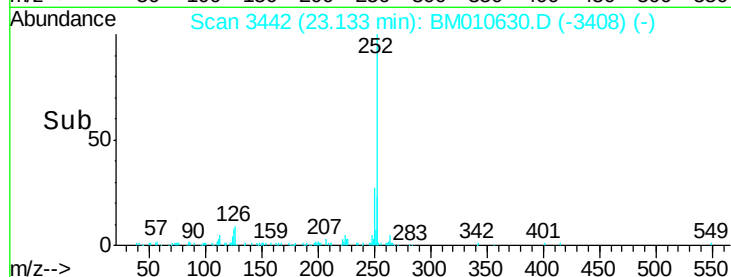
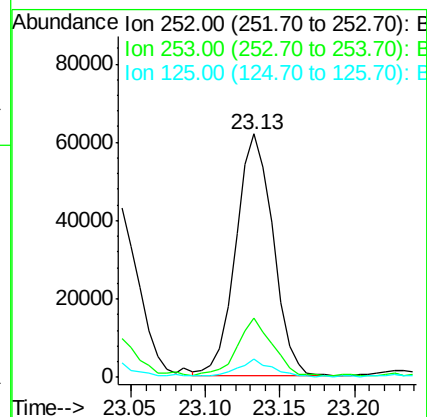
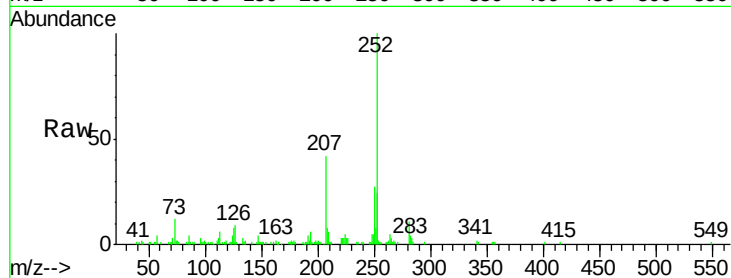
Tgt Ion:252 Resp: 107236

Ion Ratio Lower Upper

252 100

253 24.4 18.2 27.2

125 7.8 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.07 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.01 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Tgt Ion:276 Resp: 41107

Ion Ratio Lower Upper

276 100

138 14.7 9.3 13.9#

277 25.4 19.9 29.9

