

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010484.D
 Acq On : 10 Jun 2017 14:22
 Operator : SJ/MA
 Sample : I3521-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C57

Quant Time: Jun 12 04:17:01 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 04:15:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	178847	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	672660	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	437262	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1056685	20.00	ng/ul	0.00
75) Chrysene-d12	21.45	240	1424001	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	1367149	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	15435	3.54	ng/uL	0.00
5) Phenol-d5	7.08	99	289077	21.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.24	67	168396	22.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	254976	23.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	245986	22.50	ng/ul	0.00
19) Nitrobenzene-d5	9.09	128	125955	25.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	152766	26.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	297210	25.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	332122	29.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	1010019	27.80	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1123285	26.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	121942	22.43	ng/ul	0.00
57) Fluorene-d10	15.53	176	844165	26.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	161163	21.53	ng/ul	0.01
70) Anthracene-d10	17.39	188	1398825	27.21	ng/ul	0.00
76) Pyrene-d10	19.67	212	1741950	29.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	1668361	26.21	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.11	94	20849	1.501	ng/ul#	90
28) Naphthalene	10.76	128	16702439	495.051	ng/ul#	89
30) 4-Chloroaniline	10.76	127	2818704	258.158	ng/ul#	23
34) 2-Methylnaphthalene	12.36	142	5914964	231.231	ng/ul	97
40) 1,1'-Biphenyl	13.36	154	1630382	45.962	ng/ul	100
44) Dimethylphthalate	14.00	163	933103	26.116	ng/ul	99
47) Acenaphthylene	14.26	152	160748	3.881	ng/ul#	91
49) Acenaphthene	14.60	153	6408338	220.623	ng/ul	98
53) Dibenzofuran	14.94	168	8480865	197.455	ng/ul	95
54) 2,4-Dinitrotoluene	14.92	165	14270	1.484	ng/ul#	1
58) Fluorene	15.59	166	9717097	275.806	ng/ul	98
69) Phenanthrene	17.42	178	4928016	87.359	ng/ul	100
71) Anthracene	17.42	178	4928016	83.680	ng/ul	98
72) Carbazole	17.70	167	1871314	37.541	ng/ul	99
77) Pyrene	19.70	202	12633726	172.169	ng/ul	97
80) Benzo(a)anthracene	21.43	228	3701248	46.092	ng/ul	98
82) Chrysene	21.49	228	2920548	40.233	ng/ul	97
85) Benzo(b)fluoranthene	23.07	252	1906964	23.971	ng/ul	99
86) Benzo(k)fluoranthene	23.07	252	1906964	25.093	ng/ul	99
88) Benzo(a)pyrene	23.68	252	1073115	13.609	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.16	276	385484	3.869	ng/ul	97
90) Dibenzo(a,h)anthracene	26.16	278	109473	1.276	ng/ul#	88
91) Benzo(g,h,i)perylene	26.91	276	275325	3.355	ng/ul#	95

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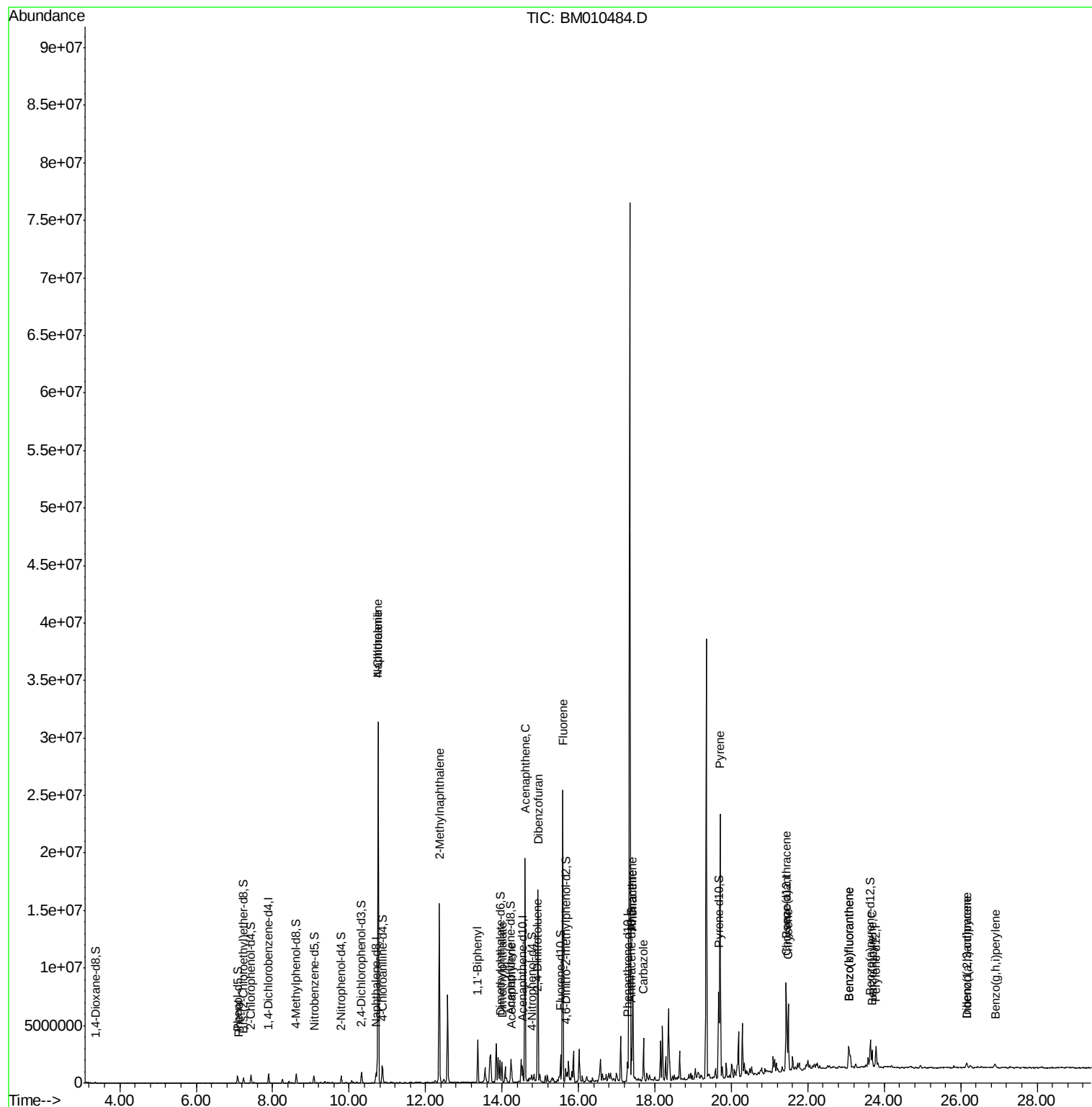
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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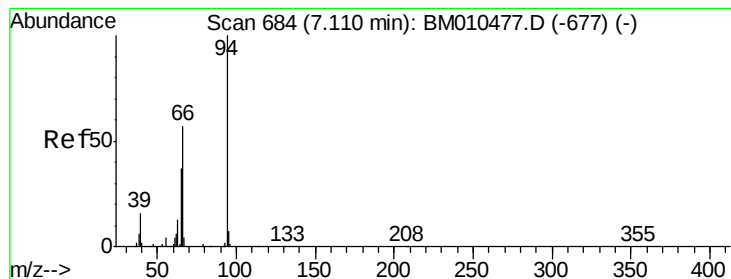
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.501 ng/ul

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

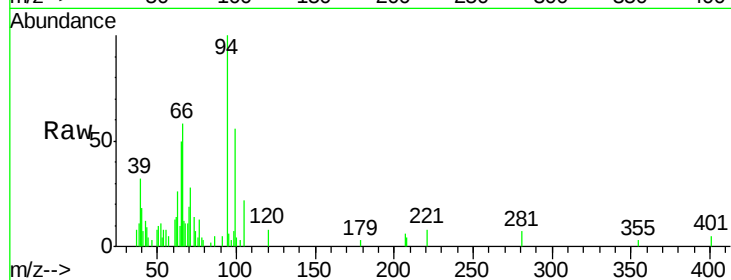
Tgt Ion: 94 Resp: 20849

Ion Ratio Lower Upper

94 100

65 50.0 28.2 42.4#

66 58.1 47.2 70.8

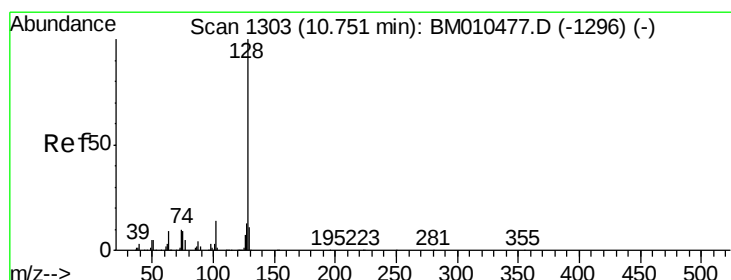
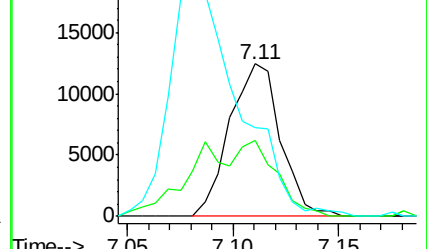
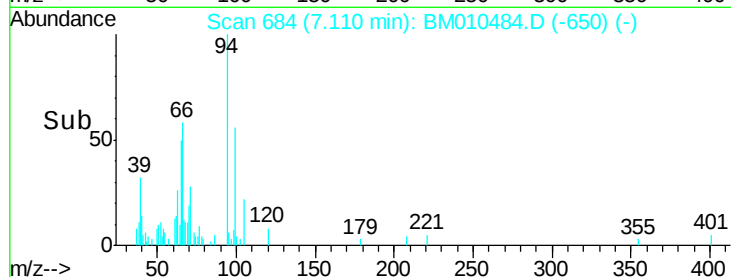


Abundance Ion 94.00 (93.70 to 94.70): BM010477.D (-677) (-)

Ion 65.00 (64.70 to 65.70): BM010477.D (-677) (-)

Ion 66.00 (65.70 to 66.70): BM010477.D (-677) (-)

Time-->



#28

Naphthalene

Concen: 495.051 ng/ul

RT: 10.76 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

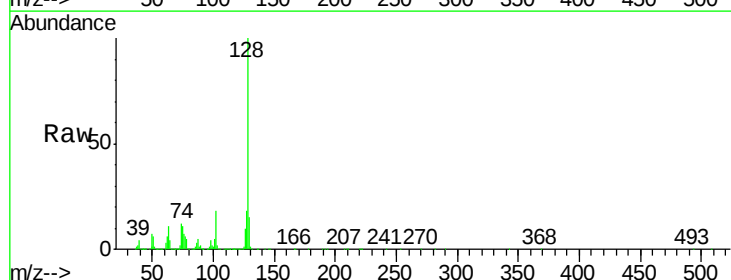
Tgt Ion: 128 Resp: 16702439

Ion Ratio Lower Upper

128 100

129 14.8 8.8 13.2#

127 18.0 10.6 16.0#

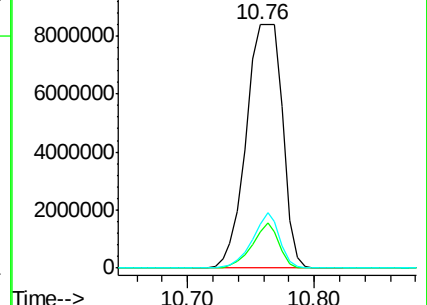
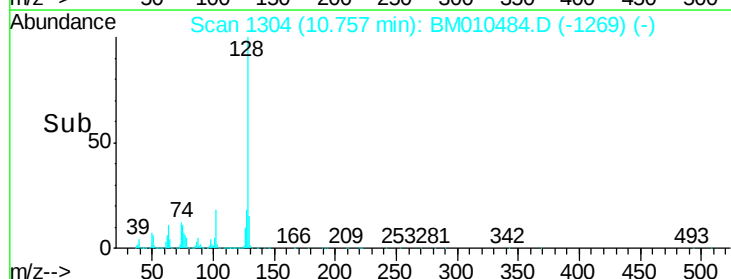


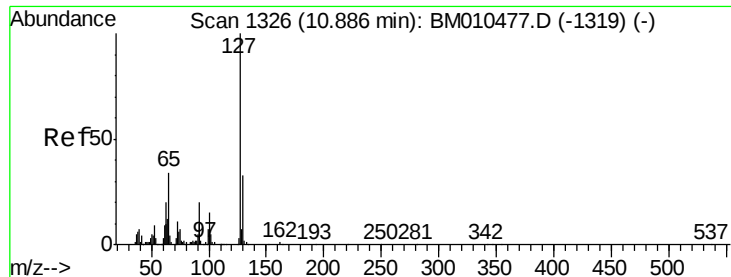
Abundance Ion 128.00 (127.70 to 128.70): BM010477.D (-1296) (-)

Ion 129.00 (128.70 to 129.70): BM010477.D (-1296) (-)

Ion 127.00 (126.70 to 127.70): BM010477.D (-1296) (-)

Time-->

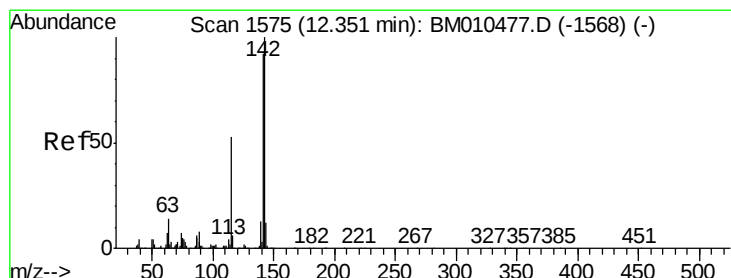
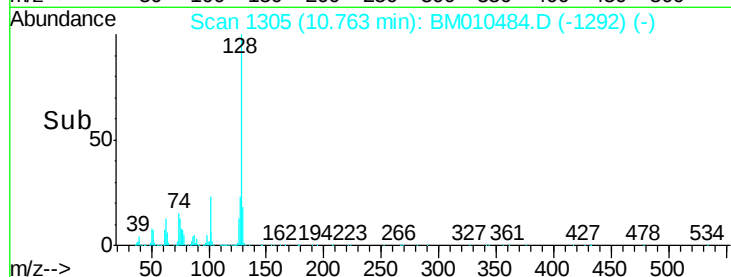
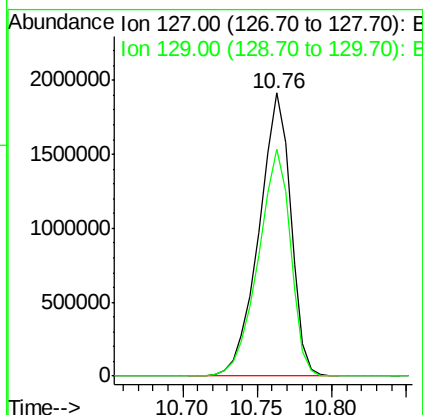
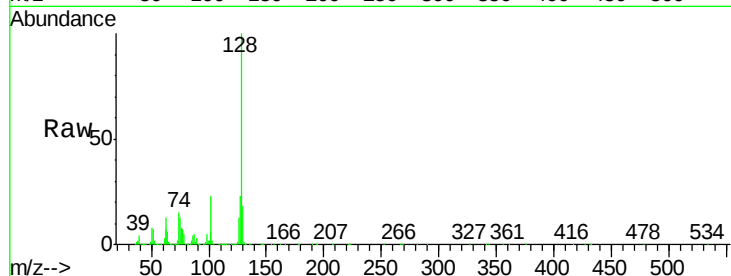




#30
 4-Chloroaniline
 Concen: 258.158 ng/ul
 RT: 10.76 min Scan# 1305
 Delta R.T. -0.12 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

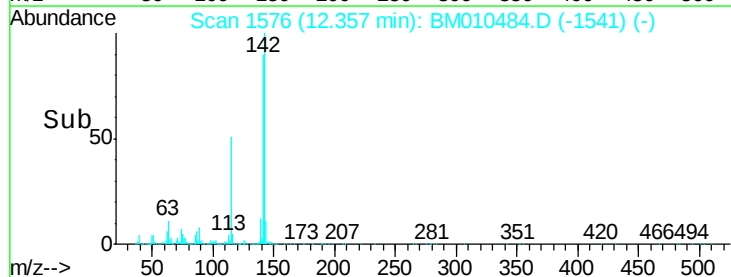
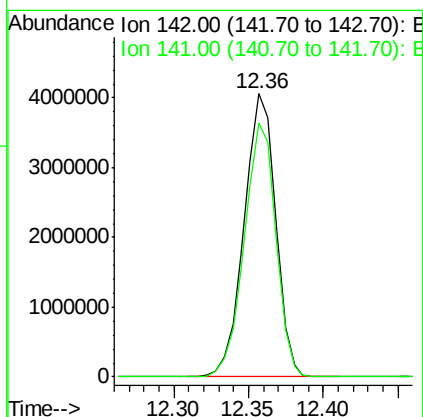
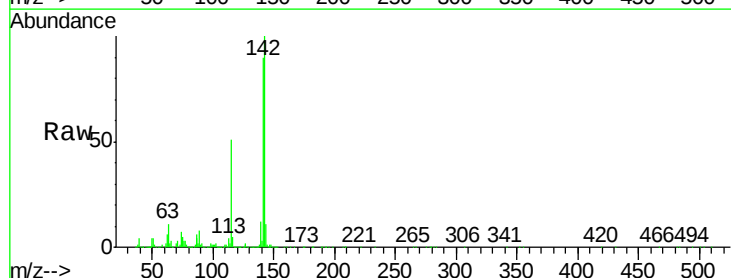
Instrument :
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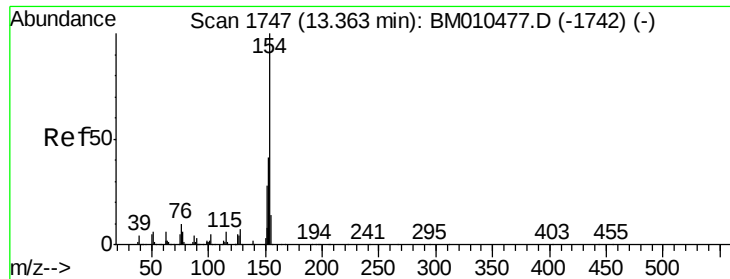
Tgt Ion:127 Resp: 2818704
 Ion Ratio Lower Upper
 127 100
 129 80.3 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 231.231 ng/ul
 RT: 12.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:142 Resp: 5914964
 Ion Ratio Lower Upper
 142 100
 141 89.7 74.1 111.1

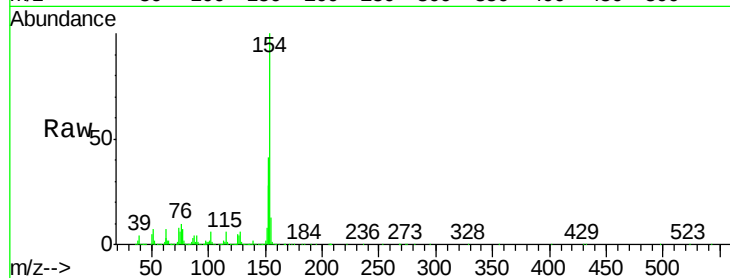




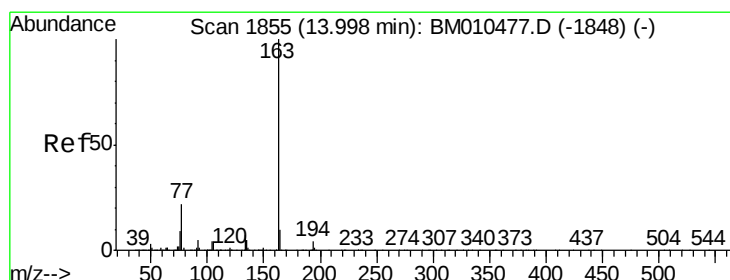
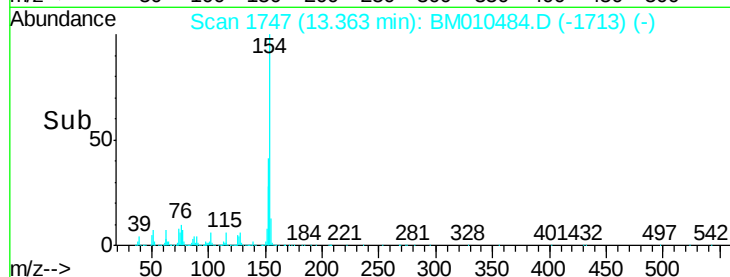
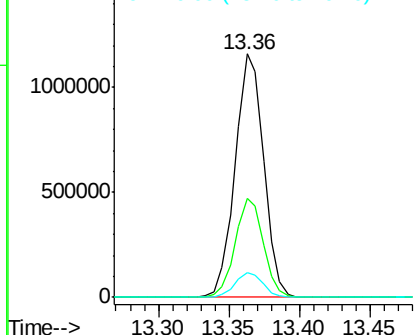
#40
 1,1'-Biphenyl
 Concen: 45.962 ng/ul
 RT: 13.36 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Instrument :
 BNA_M
 ClientSampleId :
 F5C57

Tgt Ion:154 Resp: 1630382
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 10.3 8.5 12.7

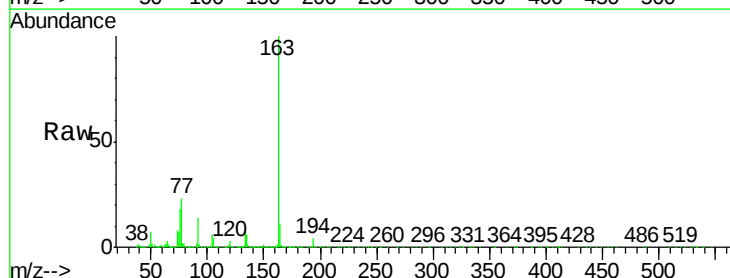


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM0

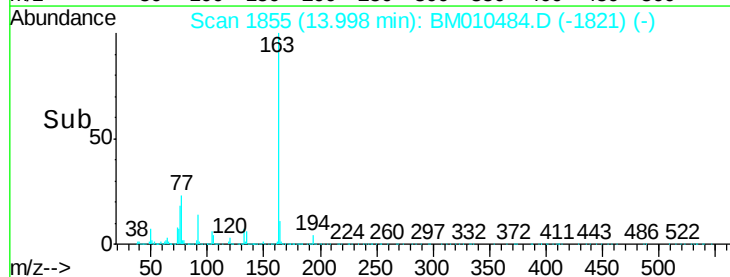
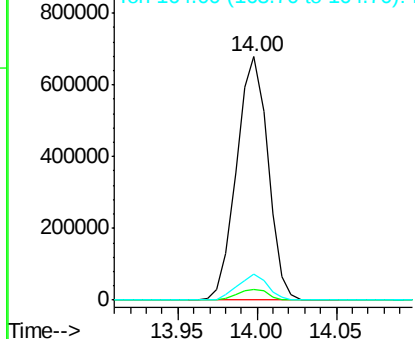


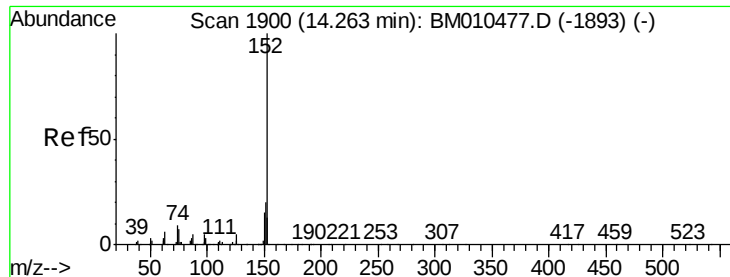
#44
 Dimethylphthalate
 Concen: 26.116 ng/ul
 RT: 14.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BM010484.D
 Acq: 10 Jun 2017 14:22

Tgt Ion:163 Resp: 933103
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.5 5.3
 164 10.6 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





#47

Acenaphthylene

Concen: 3.881 ng/ul

RT: 14.26 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

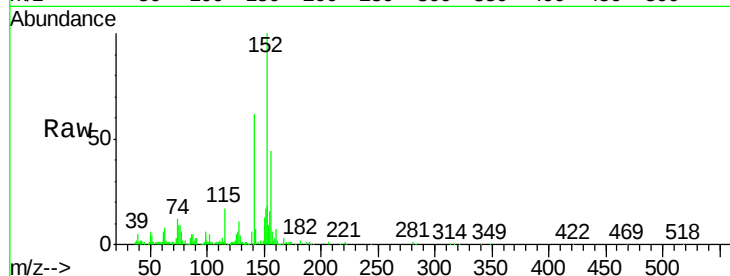
Tgt Ion:152 Resp: 160748

Ion Ratio Lower Upper

152 100

151 16.8 16.3 24.5

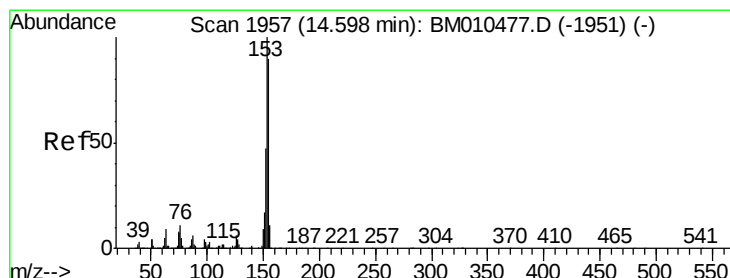
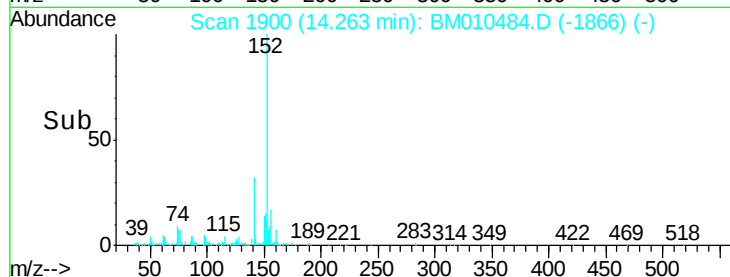
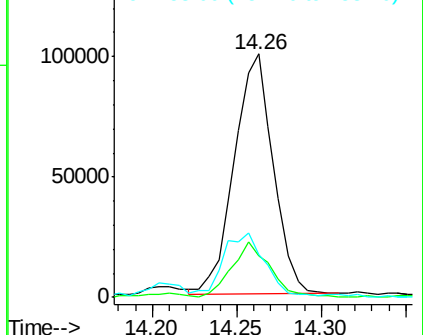
153 17.5 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 220.623 ng/ul

RT: 14.60 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

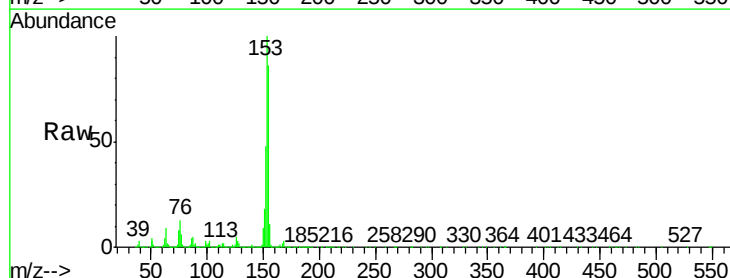
Tgt Ion:153 Resp: 6408338

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

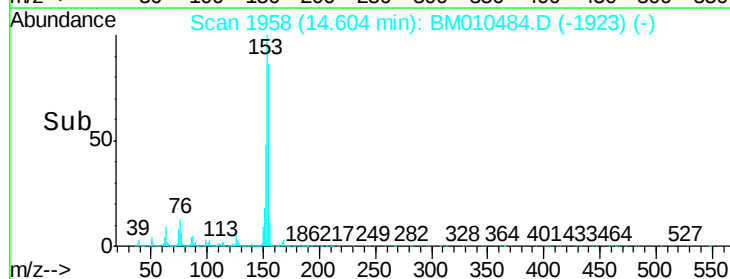
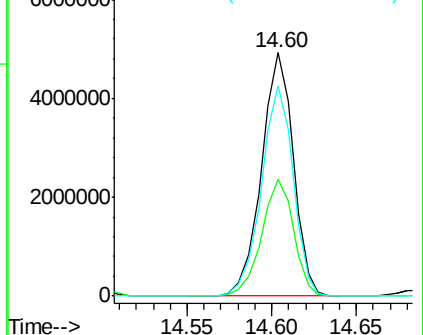
154 86.3 70.4 105.6

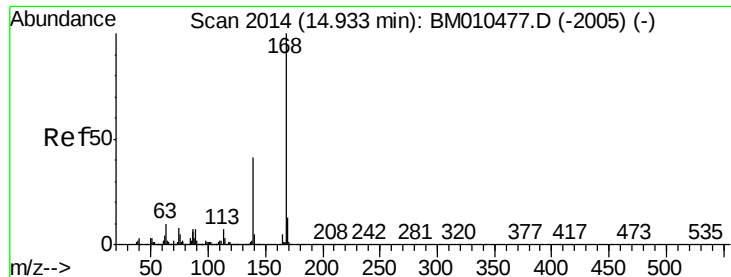


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 197.455 ng/ul

RT: 14.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

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ClientSampleId :

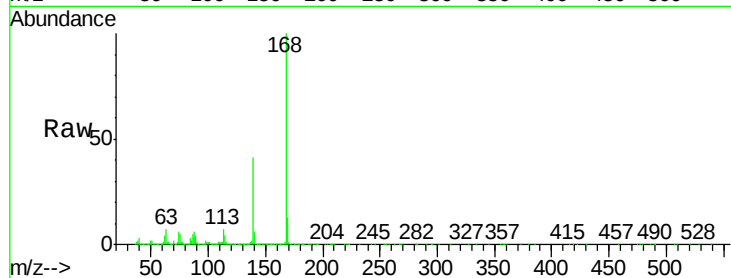
F5C57

Tgt Ion:168 Resp: 8480865

Ion Ratio Lower Upper

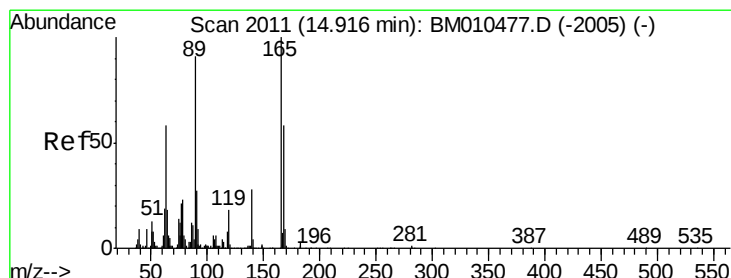
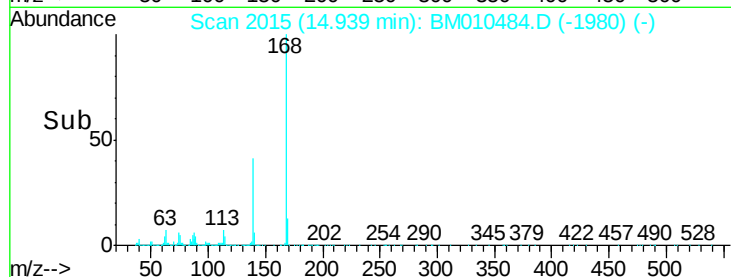
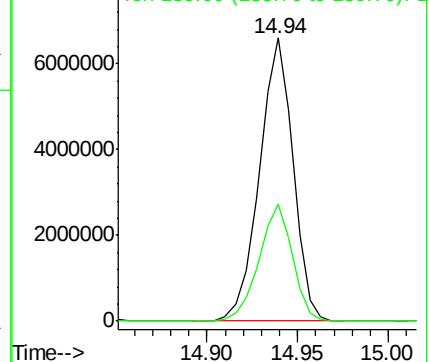
168 100

139 41.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 1.484 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

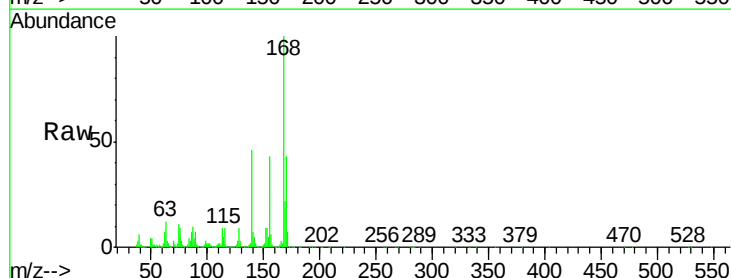
Tgt Ion:165 Resp: 14270

Ion Ratio Lower Upper

165 100

63 425.5 45.8 68.8#

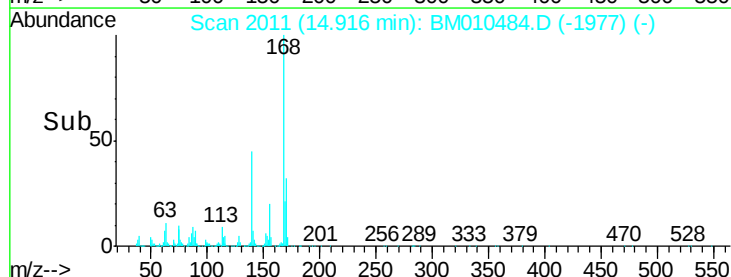
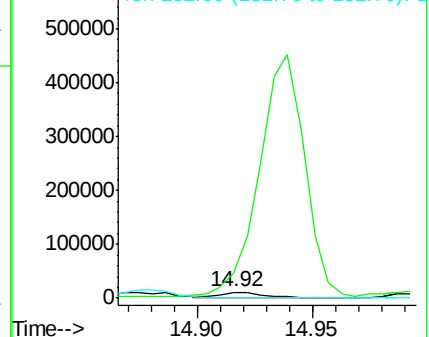
182 13.0 2.6 4.0#

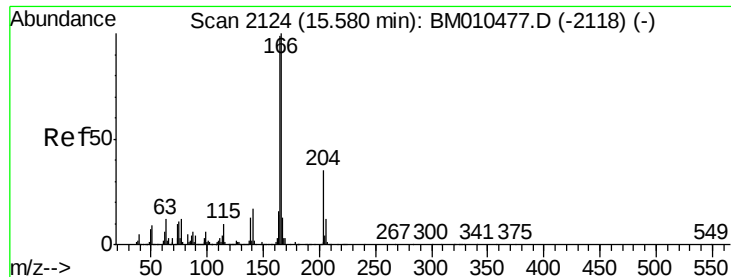


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 275.806 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. 0.01 min

Lab File: BM010484.D

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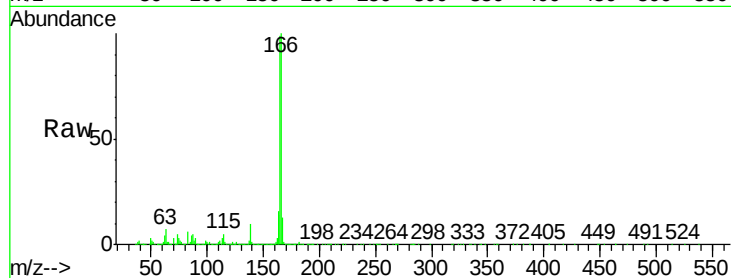
Tgt Ion:166 Resp: 9717097

Ion Ratio Lower Upper

166 100

165 99.4 77.9 116.9

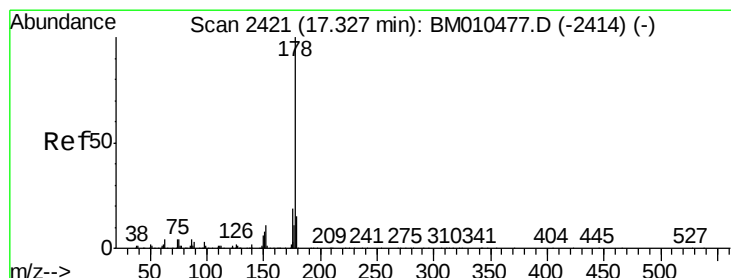
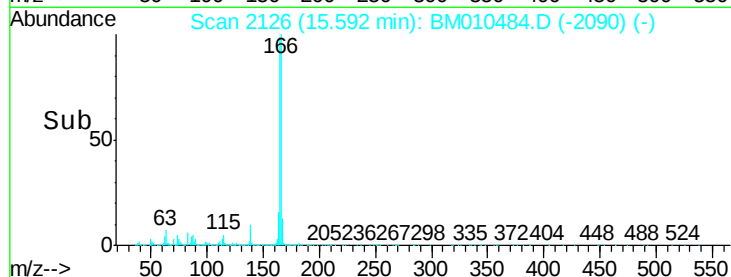
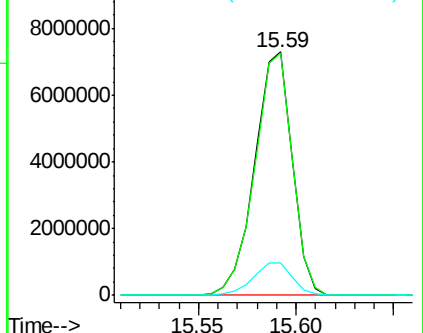
167 13.4 10.6 16.0



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: 87.359 ng/ul

RT: 17.42 min Scan# 2437

Delta R.T. 0.09 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

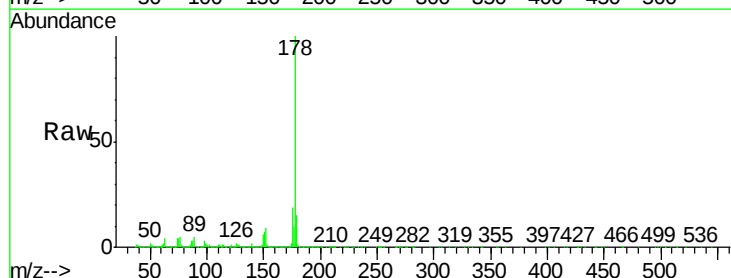
Tgt Ion:178 Resp: 4928016

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

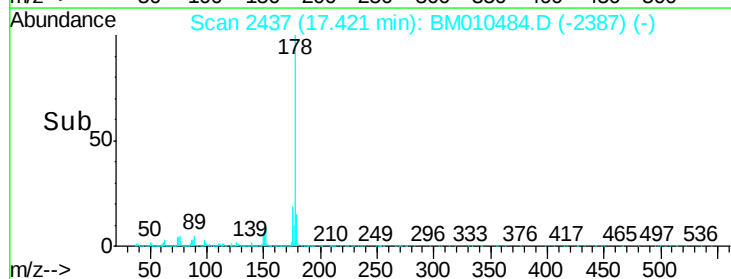
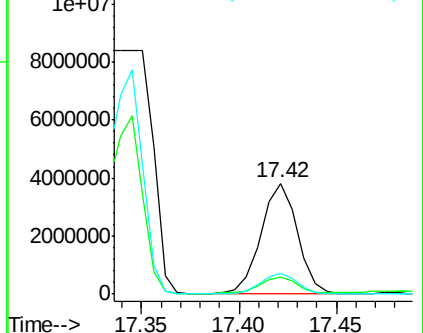
176 18.7 14.9 22.3

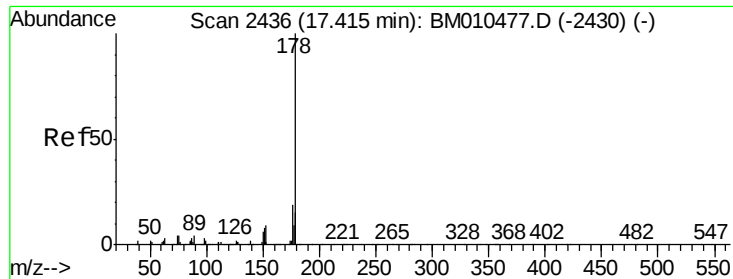


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 83.680 ng/ul

RT: 17.42 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

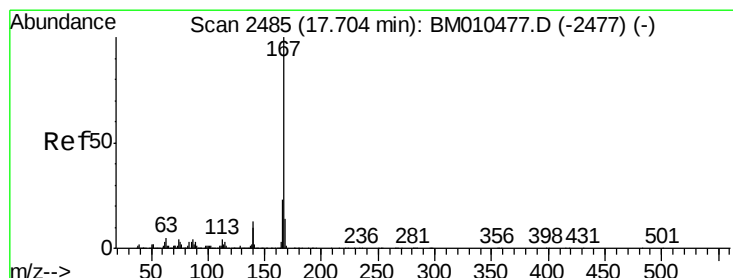
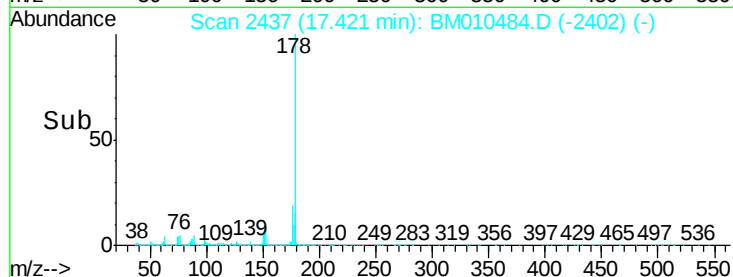
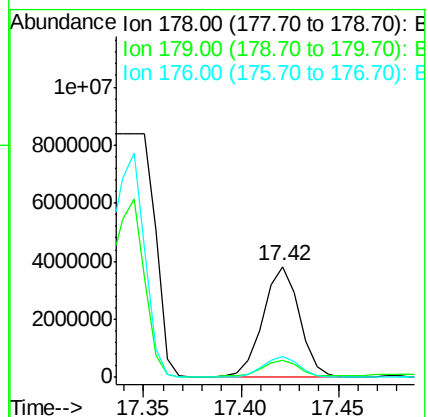
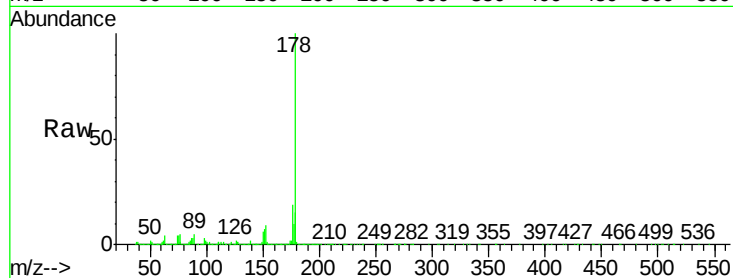
Tgt Ion:178 Resp: 4928016

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

176 18.7 14.6 21.8



#72

Carbazole

Concen: 37.541 ng/ul

RT: 17.70 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

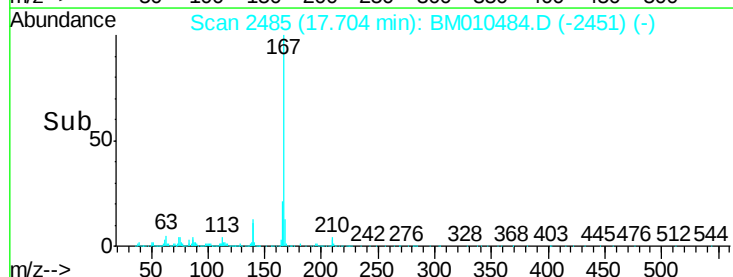
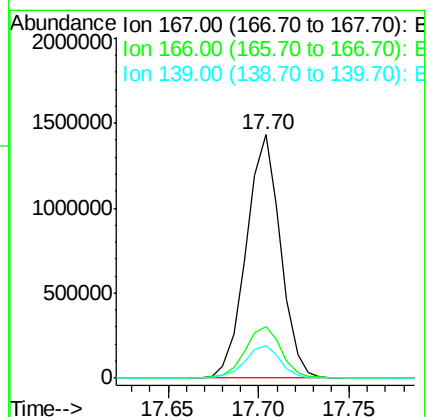
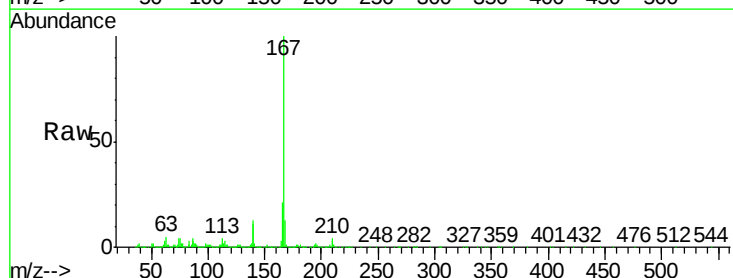
Tgt Ion:167 Resp: 1871314

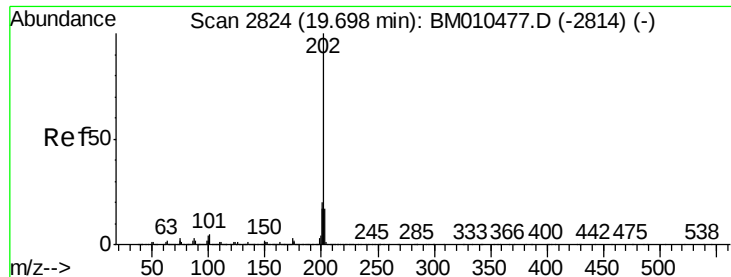
Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 13.2 10.0 15.0





#77

Pyrene

Concen: 172.169 ng/ul

RT: 19.70 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampled :

F5C57

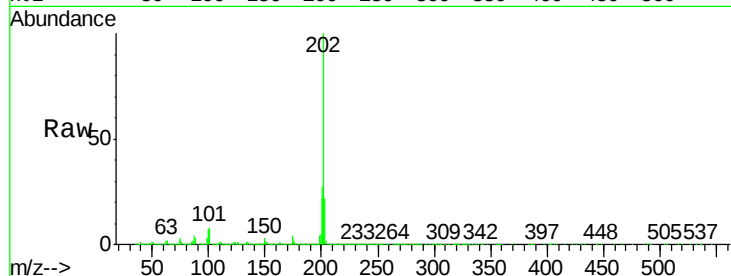
Tgt Ion:202 Resp:12633726

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

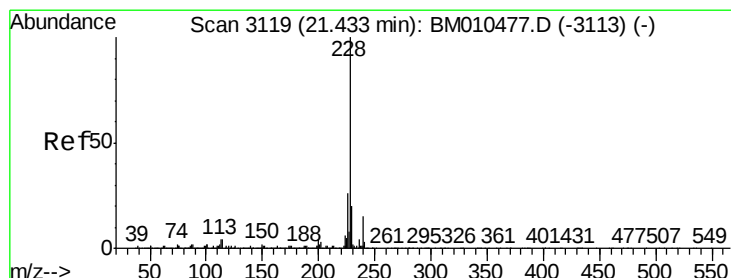
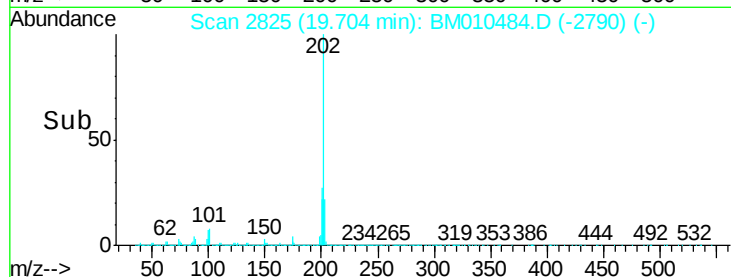
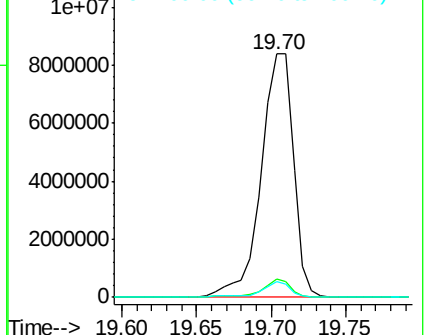
100 6.6 4.9 7.3



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: 46.092 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

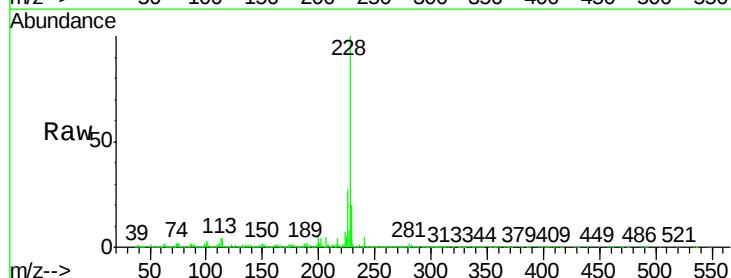
Tgt Ion:228 Resp: 3701248

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

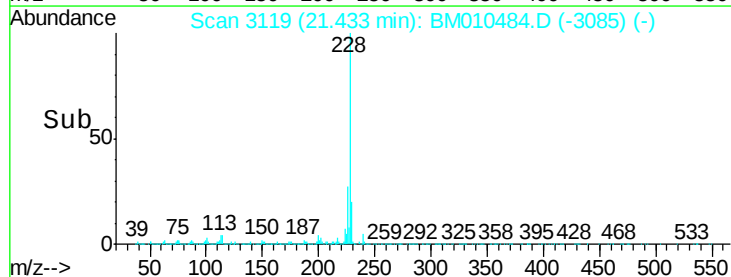
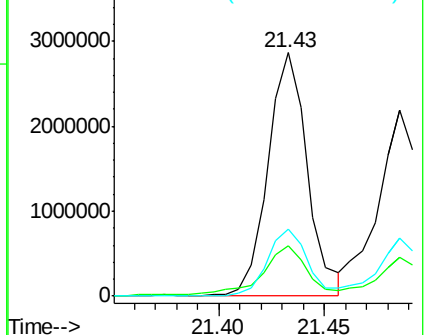
226 27.4 21.4 32.0

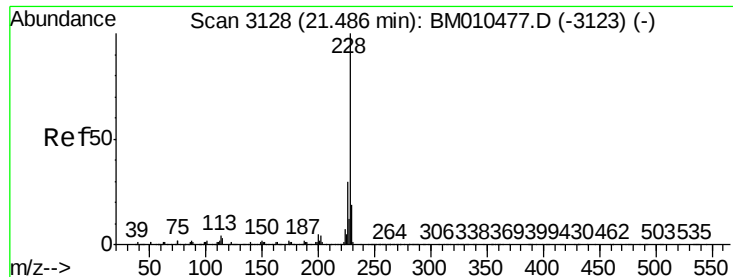


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 40.233 ng/ul

RT: 21.49 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

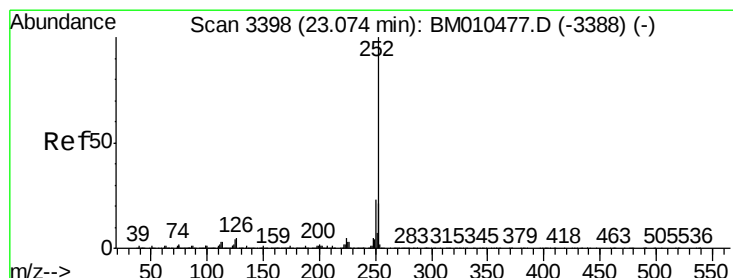
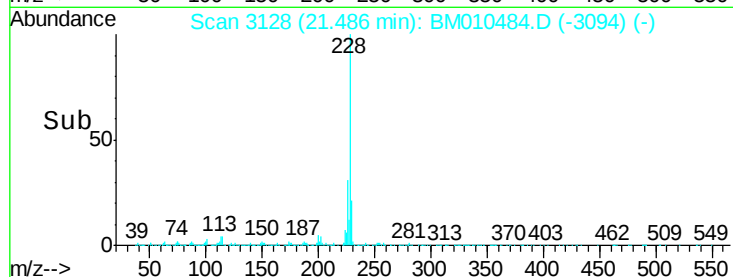
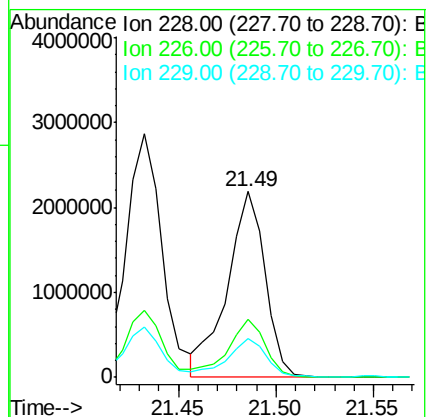
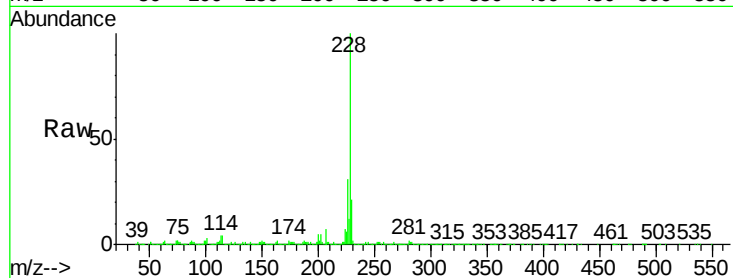
Tgt Ion:228 Resp: 2920548

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 21.3 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 23.971 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

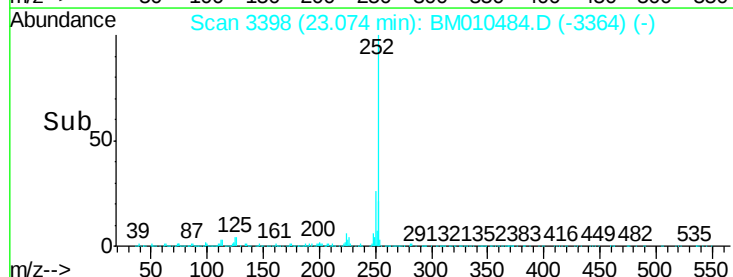
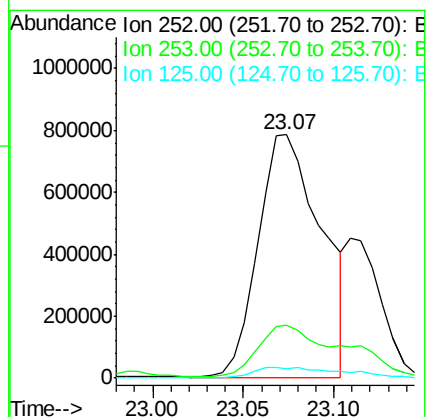
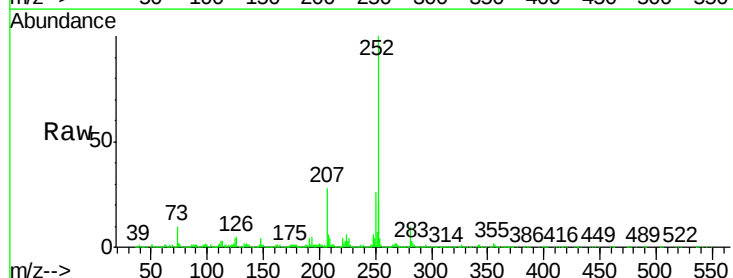
Tgt Ion:252 Resp: 1906964

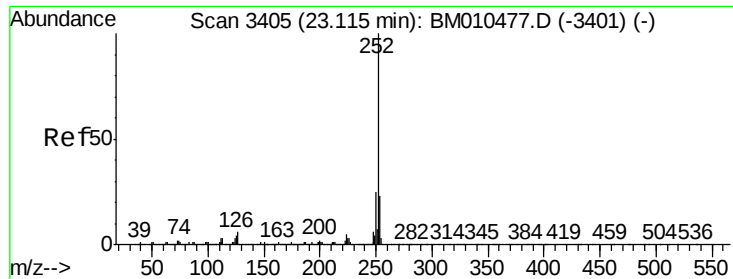
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 3.8 3.6 5.4

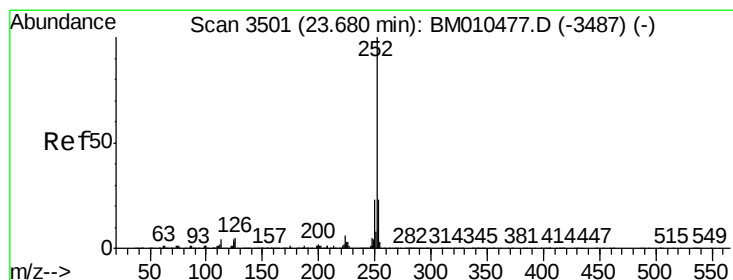
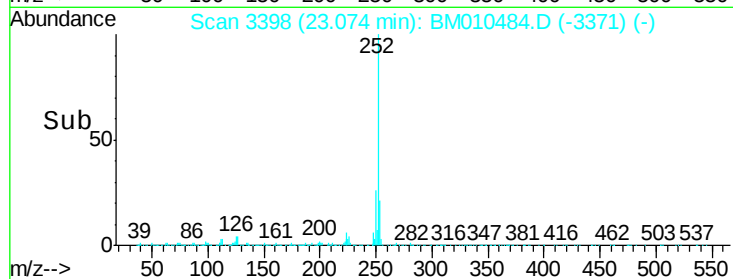
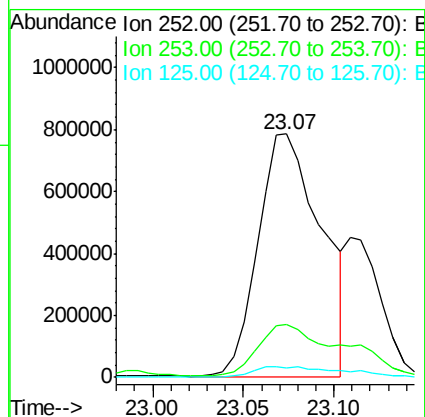
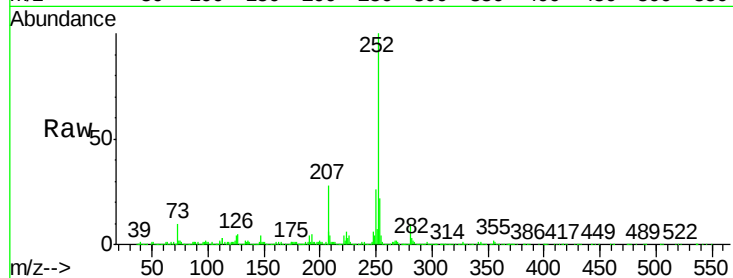




#86
Benzo(k)fluoranthene
Concen: 25.093 ng/u1
RT: 23.07 min Scan# 3398
Delta R.T. -0.04 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

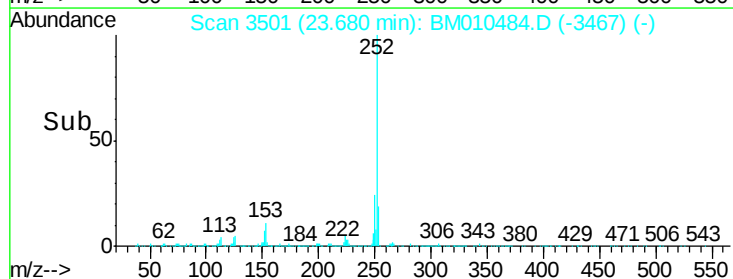
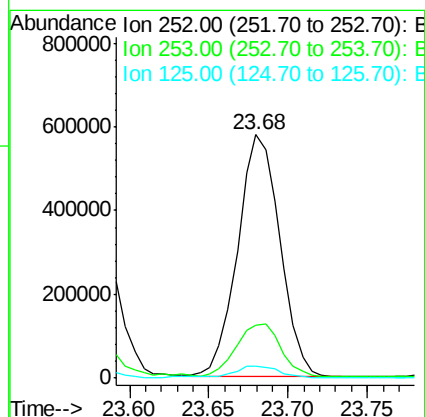
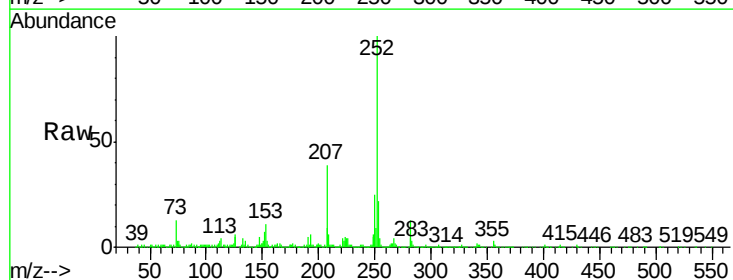
Instrument :
BNA_M
ClientSampleId :
F5C57

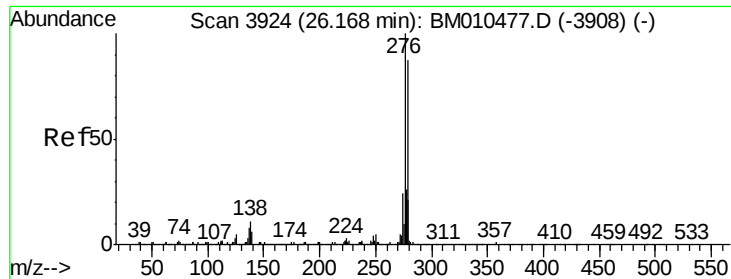
Tgt Ion:252 Resp: 1906964
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 3.8 3.4 5.2



#88
Benzo(a)pyrene
Concen: 13.609 ng/u1
RT: 23.68 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion:252 Resp: 1073115
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 4.6 4.0 6.0



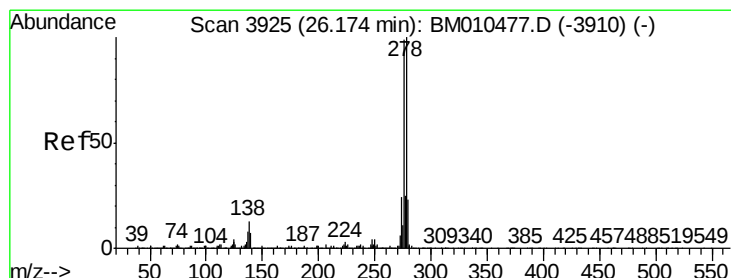
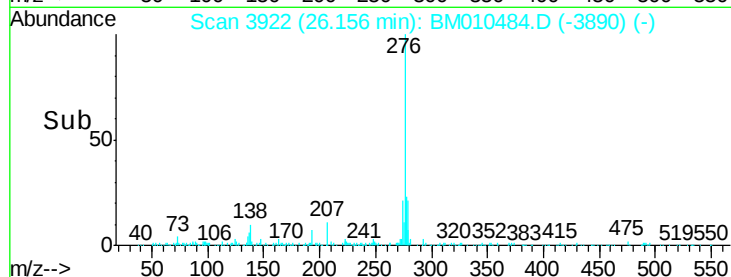
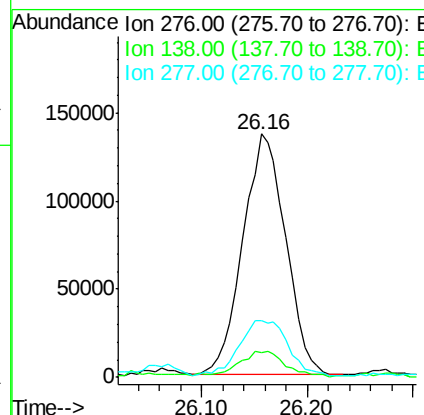
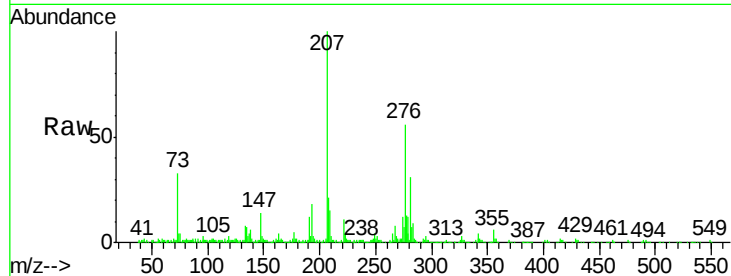


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.869 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Instrument :
BNA_M
ClientSampleId :
F5C57

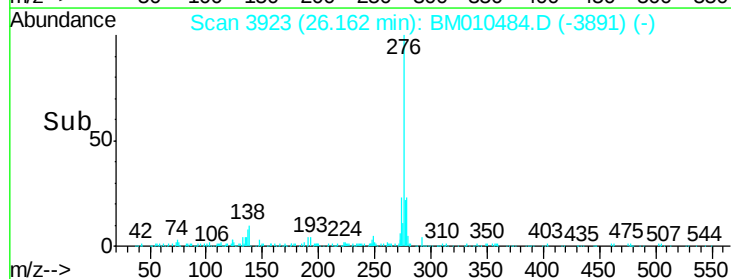
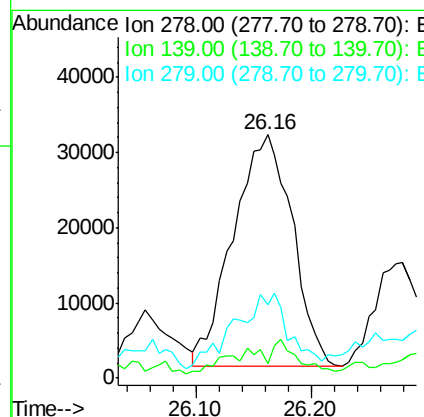
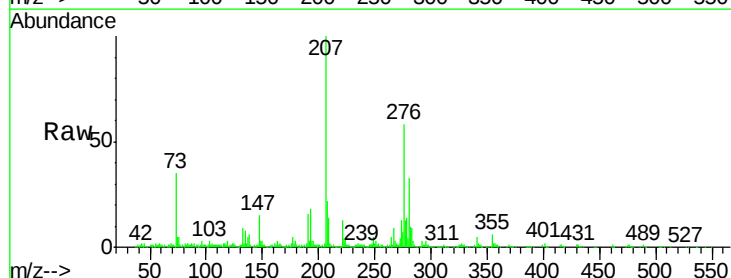
Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.0	9.3	13.9
277	23.4	19.9	29.9

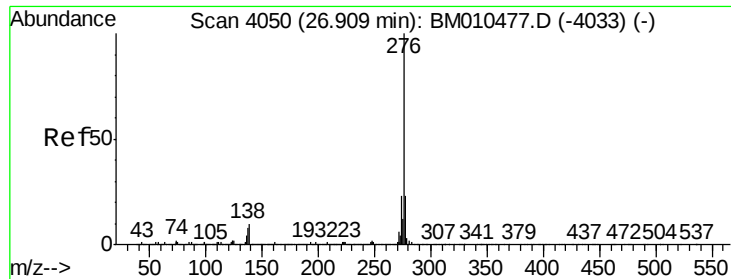


#90

Dibenzo(a,h)anthracene
Concen: 1.276 ng/ul
RT: 26.16 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM010484.D
Acq: 10 Jun 2017 14:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	5.7	5.8	8.8#
279	30.1	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 3.355 ng/ul

RT: 26.91 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BM010484.D

Acq: 10 Jun 2017 14:22

Instrument :

BNA_M

ClientSampleId :

F5C57

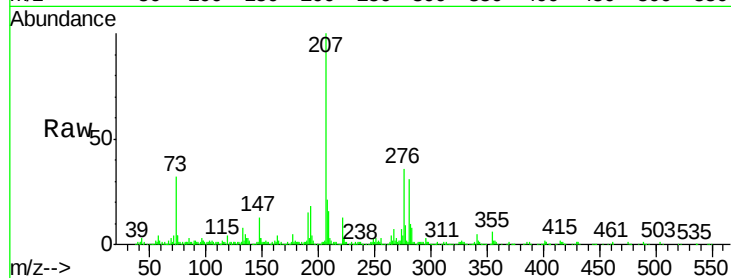
Tgt Ion: 276 Resp: 275325

Ion Ratio Lower Upper

276 100

138 6.4 8.5 12.7#

277 24.0 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

