

Data File : BM010678.D
Acq On : 23 Jun 2017 02:08
Operator : SJ/JU
Sample : I3653-03 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B20

Quant Time: Jun 23 05:10:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	89094	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	394094	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.12	164	270582	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	628565	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	690857	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	522164	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	793	0.51	ng/uL	0.00
5) Phenol-d5	6.65	99	22212	2.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	12764	2.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	18992	3.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	19938	2.83	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	11874	4.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	9738	3.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	21085	3.09	ng/ul	0.01
29) 4-Chloroaniline-d4	10.37	131	35630	4.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	81825	3.44	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	86149	3.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	16392	3.92	ng/ul	0.00
57) Fluorene-d10	15.12	176	69420	3.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	8514	2.21	ng/ul	0.02
70) Anthracene-d10	16.87	188	628565	20.71	ng/ul	-0.09
76) Pyrene-d10	19.28	212	128150	3.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	91623	3.63	ng/ul	0.00

Target Compounds

						Qvalue
16) 4-Methylphenol	8.23	108	7973	1.09	ng/ul	85
17) Hexachloroethane	8.55	117	11126	4.20	ng/ul#	1
24) 2,4-Dimethylphenol	9.43	107	25116	2.87	ng/ul	90
30) 4-Chloroaniline	10.32	127	4497394	622.33	ng/ul#	23
34) 2-Methylnaphthalene	11.92	142	5638442	357.65	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	1285146	60.75	ng/ul	99
44) Dimethylphthalate	13.59	163	29620	1.27	ng/ul	100
47) Acenaphthylene	13.83	152	241153	9.16	ng/ul#	92
49) Acenaphthene	14.19	153	4243043	239.02	ng/ul	100
53) Dibenzofuran	14.53	168	4878421	181.47	ng/ul	91
54) 2,4-Dinitrotoluene	14.49	165	9146	1.46	ng/ul#	50
58) Fluorene	15.19	166	5133454	228.07	ng/ul	98
60) 4-Nitroaniline	15.19	138	72095	15.01	ng/ul#	1
64) N-Nitrosodiphenylamine	15.39	169	19254	1.10	ng/ul#	1
69) Phenanthrene	17.02	178	3669676	109.82	ng/ul	99
71) Anthracene	17.02	178	3669676	106.59	ng/ul	99
72) Carbazole	17.29	167	2417155	80.47	ng/ul	98
74) Fluoranthene	18.96	202	13406440	311.30	ng/ul#	89
77) Pyrene	19.33	202	8611337	215.80	ng/ul#	95
80) Benzo(a)anthracene	21.07	228	2389860	59.40	ng/ul	98
82) Chrysene	21.13	228	1806510	50.36	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	1091556	32.20	ng/ul	99
86) Benzo(k)fluoranthene	22.59	252	1091556	33.97	ng/ul#	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.13	252	598758	19.19	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	166782	5.15	ng/ul	98
90) Dibenzo(a,h)anthracene	25.33	278	52300	1.94	ng/ul#	94
91) Benzo(g,h,i)perylene	25.97	276	94597	3.67	ng/ul	100

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

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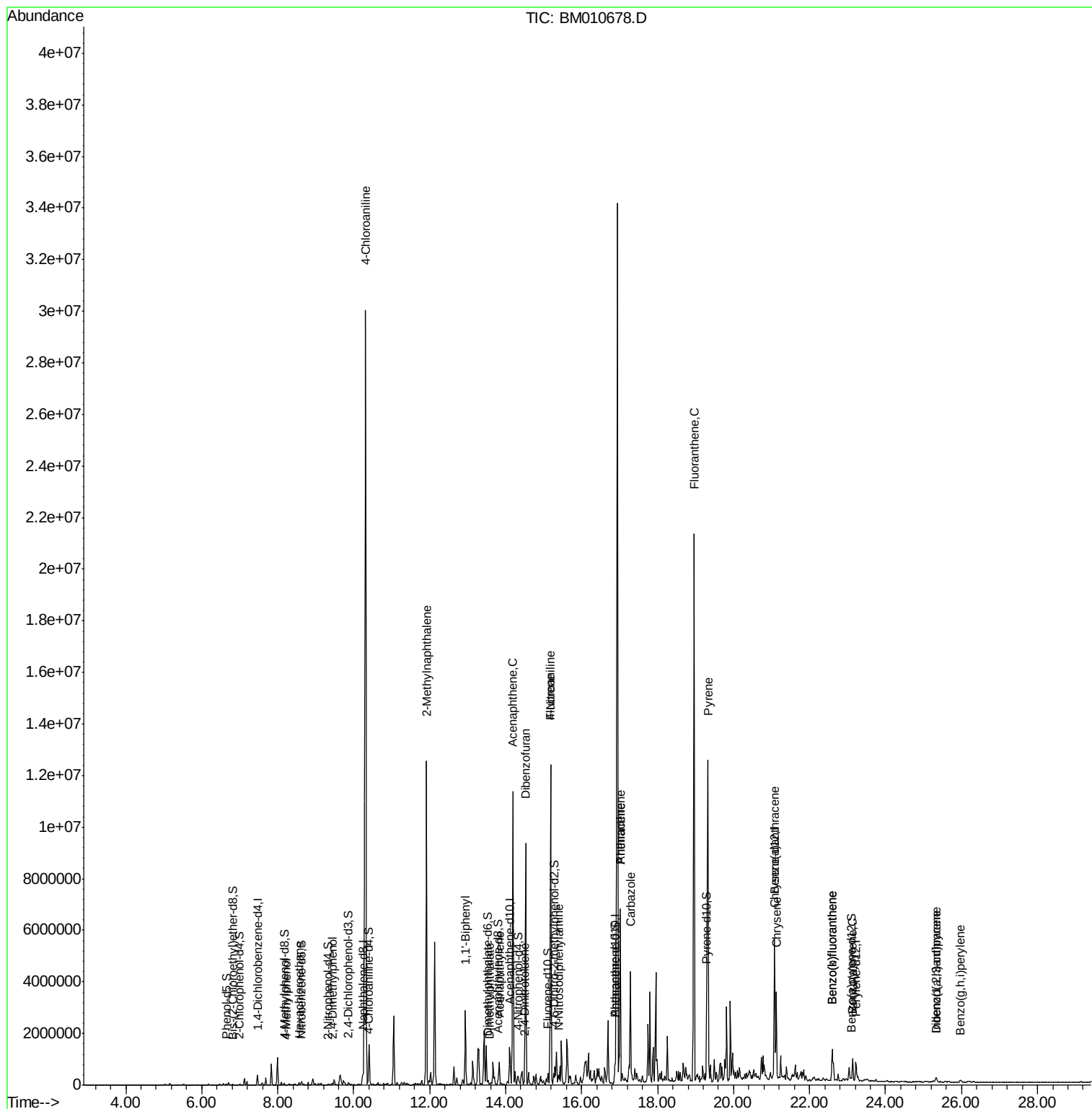
Quant Time: Jun 23 05:10:33 2017

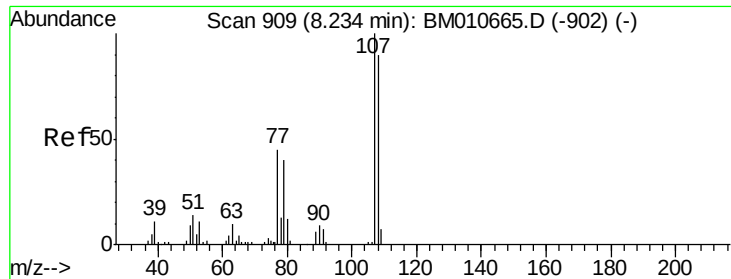
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 23 05:06:10 2017

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#16

4-Methylphenol

Concen: 1.09 ng/ul

RT: 8.23 min Scan# 908

Delta R.T. -0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

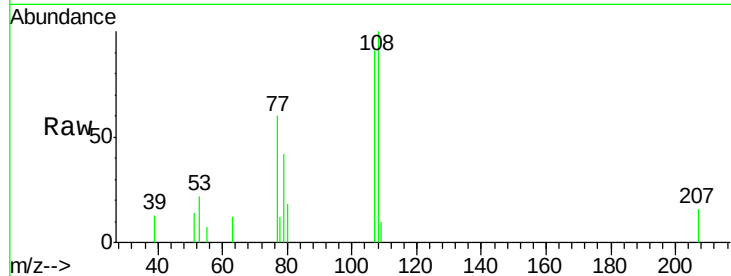
F5B20

Tgt Ion:108 Resp: 7973

Ion Ratio Lower Upper

108 100

107 91.0 84.9 127.3

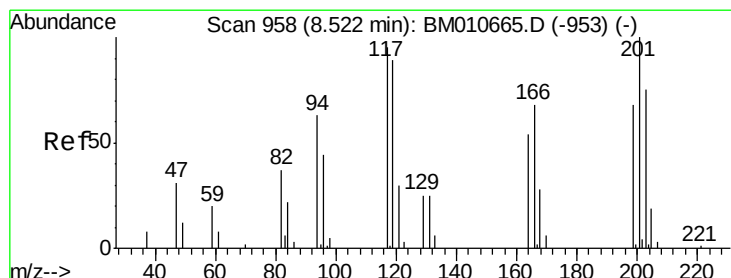
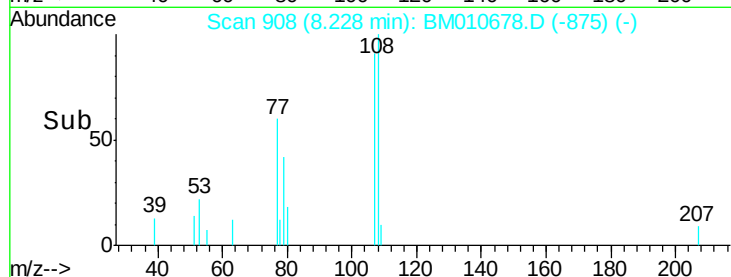


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.23

Time-->



#17

Hexachloroethane

Concen: 4.20 ng/ul

RT: 8.55 min Scan# 963

Delta R.T. 0.03 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

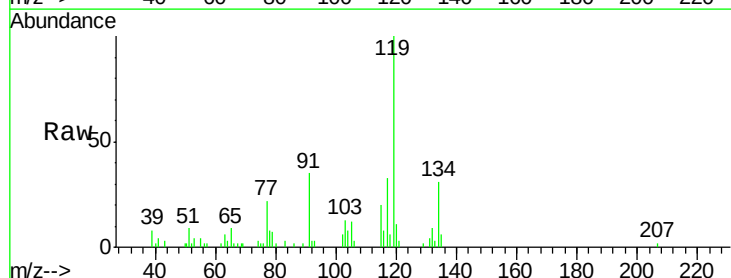
Tgt Ion:117 Resp: 11126

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

199 0.0 67.8 101.6#



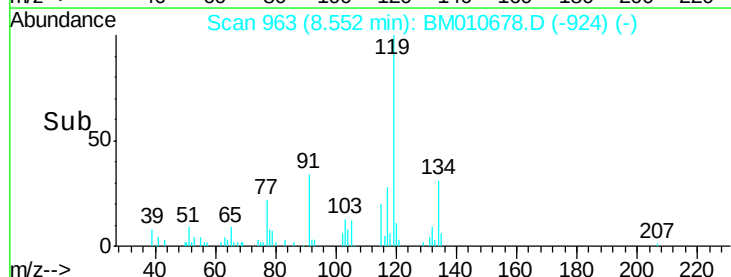
Abundance Ion 117.00 (116.70 to 117.70): E

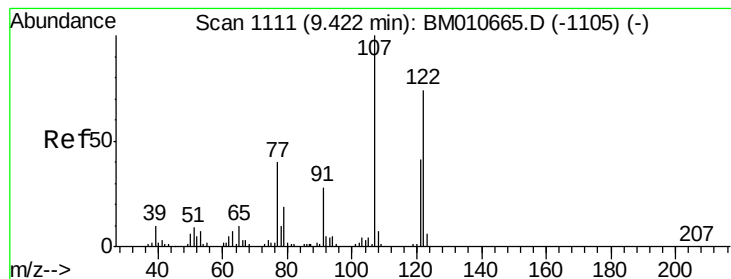
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

8.55

Time-->





#24

2,4-Dimethylphenol

Concen: 2.87 ng/ul

RT: 9.43 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

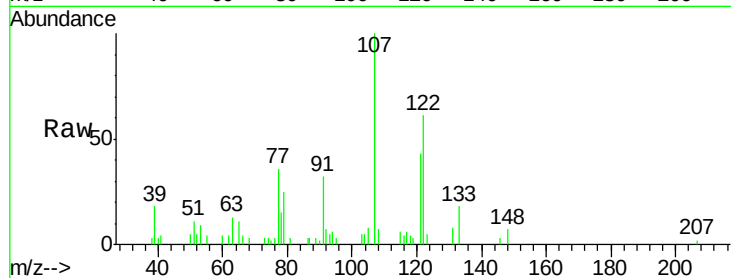
Tgt Ion:107 Resp: 25116

Ion Ratio Lower Upper

107 100

121 42.6 31.9 47.9

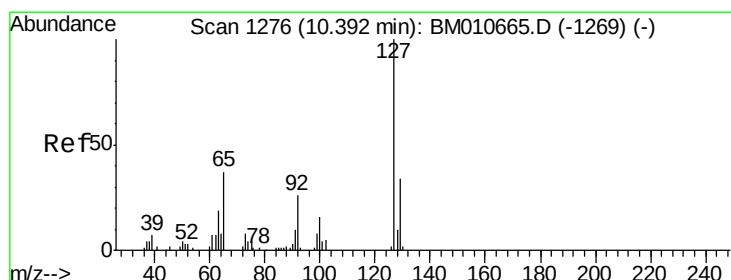
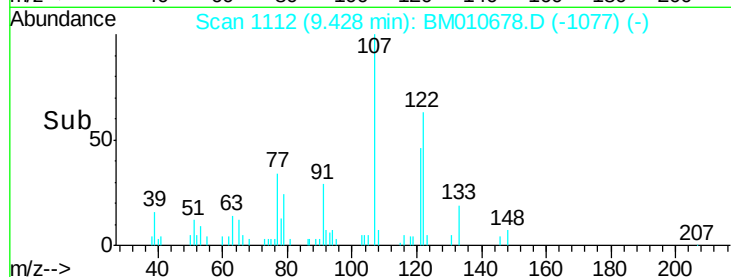
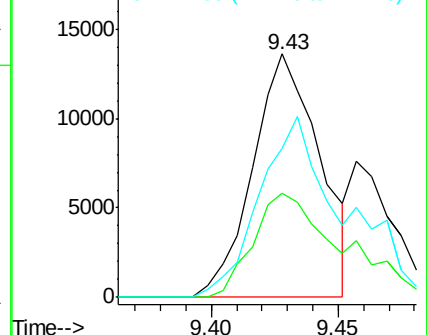
122 61.4 57.8 86.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#30

4-Chloroaniline

Concen: 622.33 ng/ul

RT: 10.32 min Scan# 1263

Delta R.T. -0.08 min

Lab File: BM010678.D

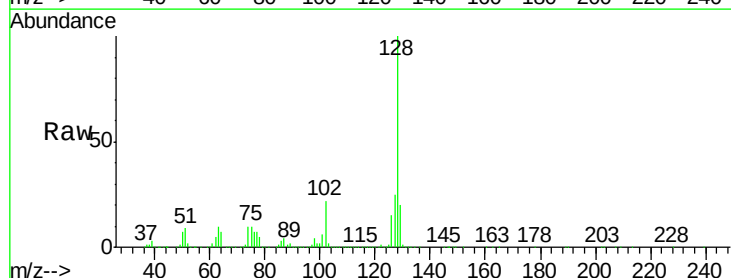
Acq: 23 Jun 2017 02:08

Tgt Ion:127 Resp: 4497394

Ion Ratio Lower Upper

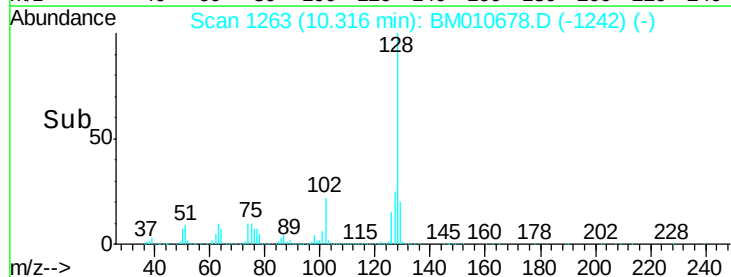
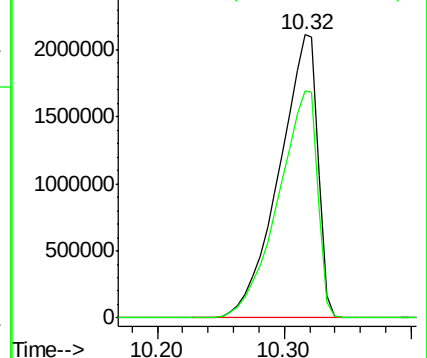
127 100

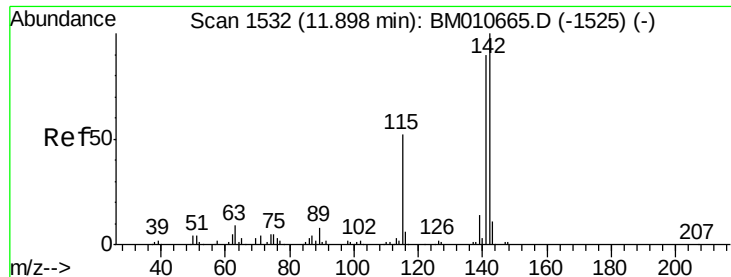
129 80.2 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

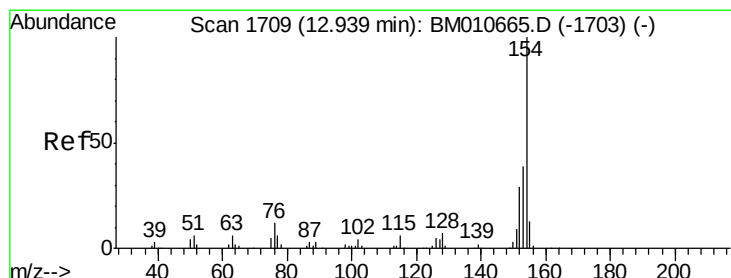
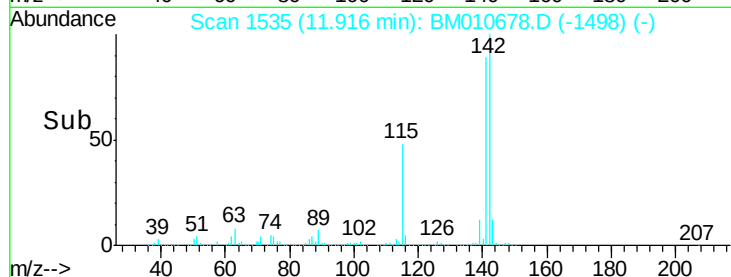
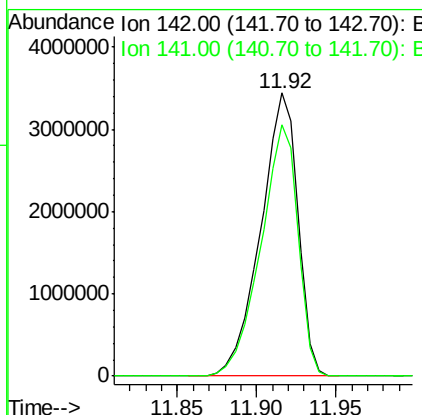
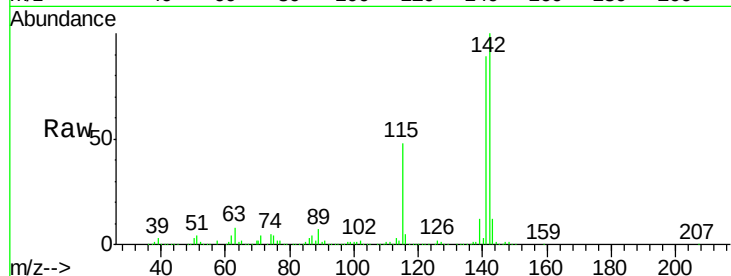




#34
 2-Methylnaphthalene
 Concen: 357.65 ng/ul
 RT: 11.92 min Scan# 1535
 Delta R.T. 0.02 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

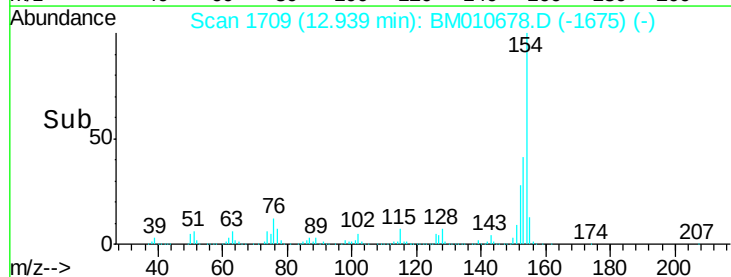
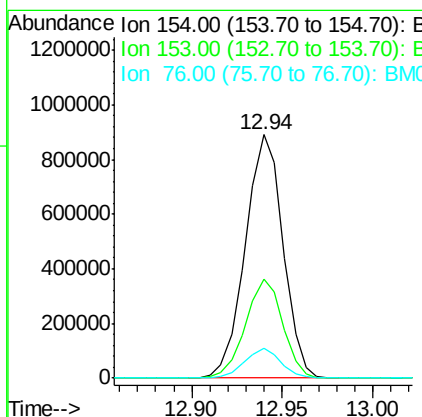
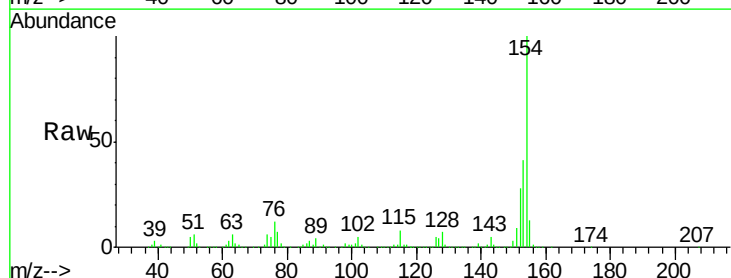
Instrument :
 BNA_M
 ClientSampleId :
 F5B20

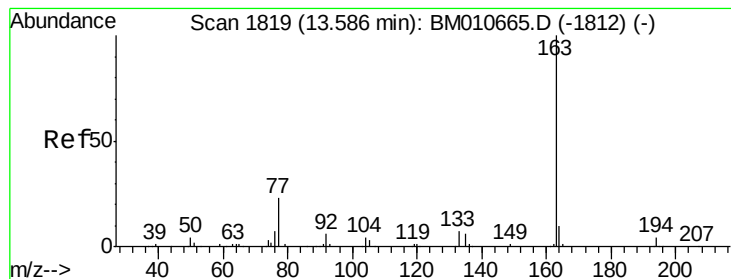
Tgt Ion:142 Resp: 5638442
 Ion Ratio Lower Upper
 142 100
 141 89.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 60.75 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion:154 Resp: 1285146
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 12.0 8.5 12.7





#44

Dimethylphthalate

Concen: 1.27 ng/ul

RT: 13.59 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

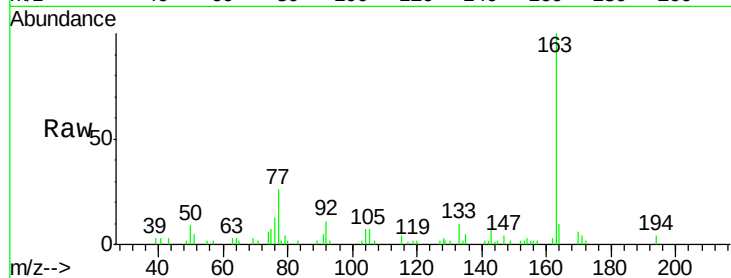
Tgt Ion:163 Resp: 29620

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

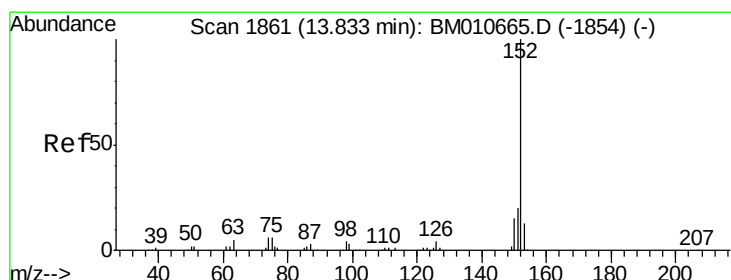
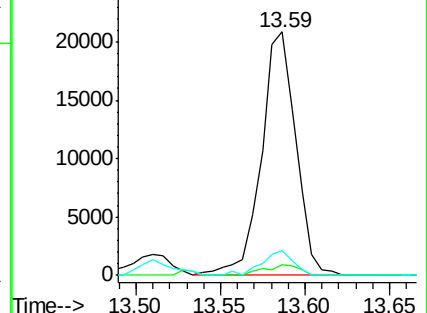
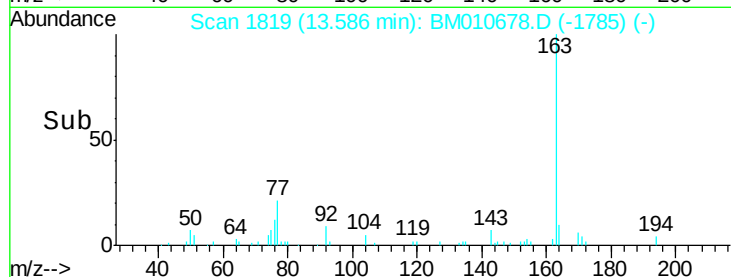
164 10.2 8.2 12.4



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: 9.16 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

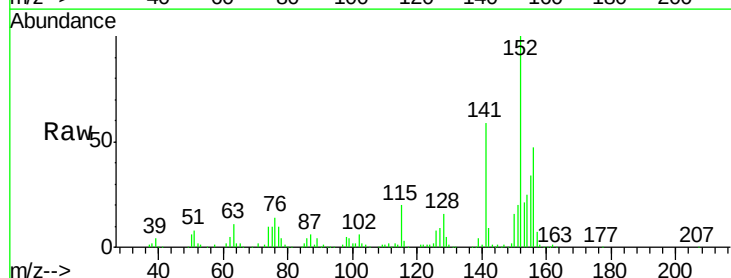
Tgt Ion:152 Resp: 241153

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

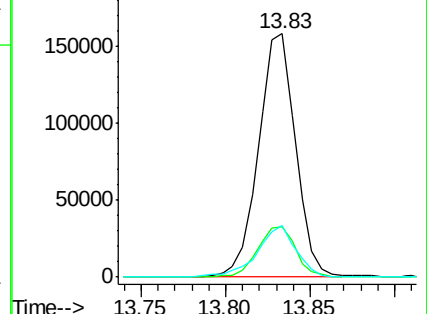
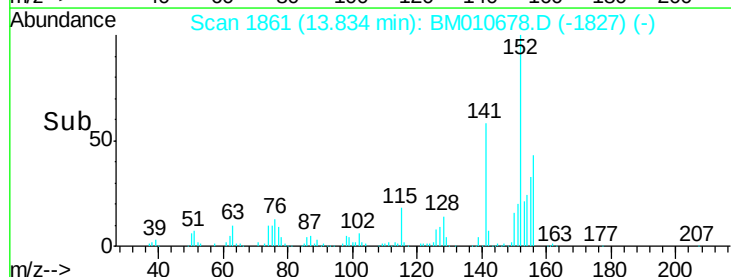
153 21.0 10.2 15.4#

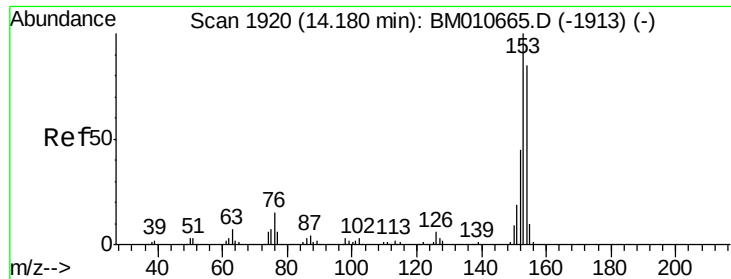


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 239.02 ng/ul

RT: 14.19 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

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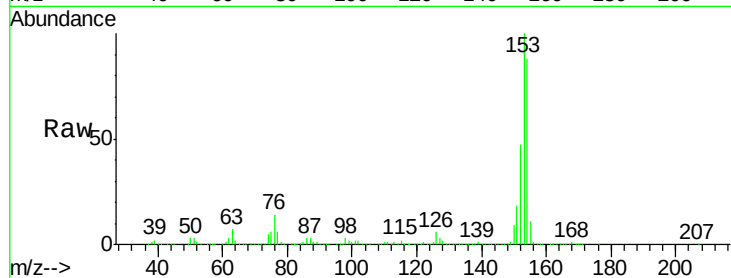
Tgt Ion:153 Resp: 4243043

Ion Ratio Lower Upper

153 100

152 47.0 37.6 56.4

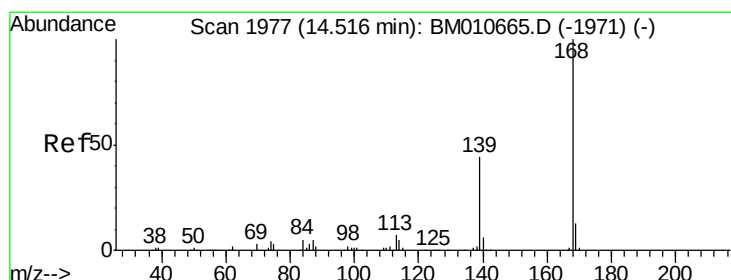
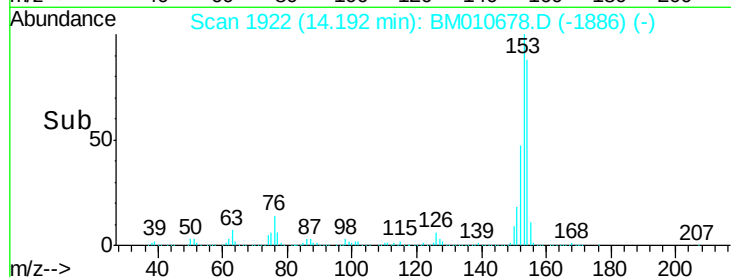
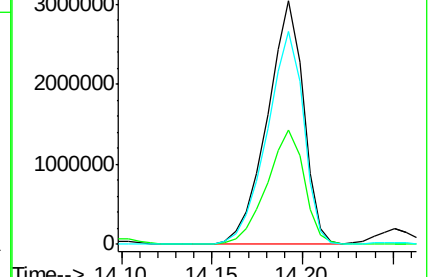
154 87.6 70.4 105.6



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: 181.47 ng/ul

RT: 14.53 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM010678.D

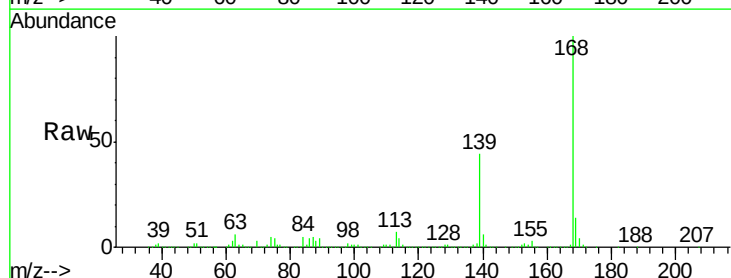
Acq: 23 Jun 2017 02:08

Tgt Ion:168 Resp: 4878421

Ion Ratio Lower Upper

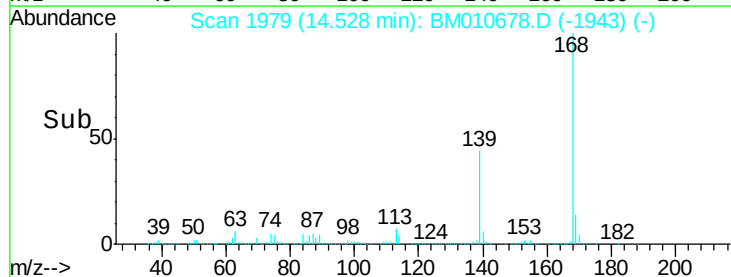
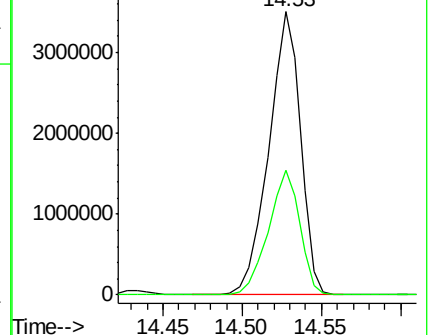
168 100

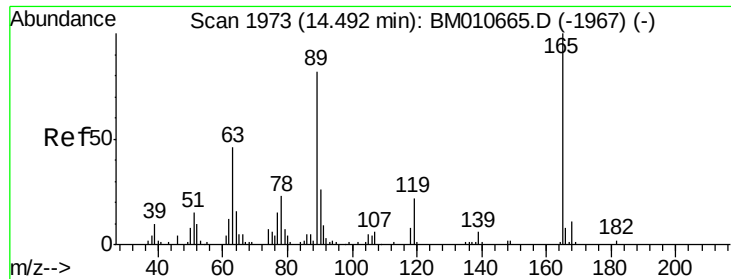
139 44.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

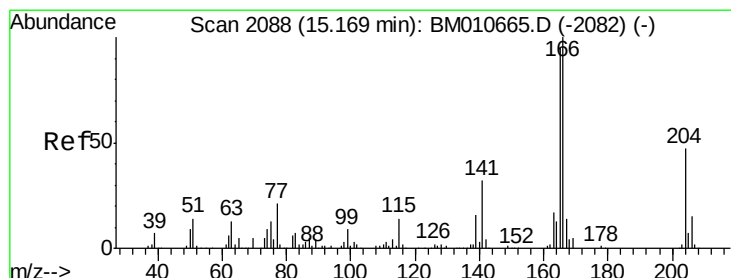
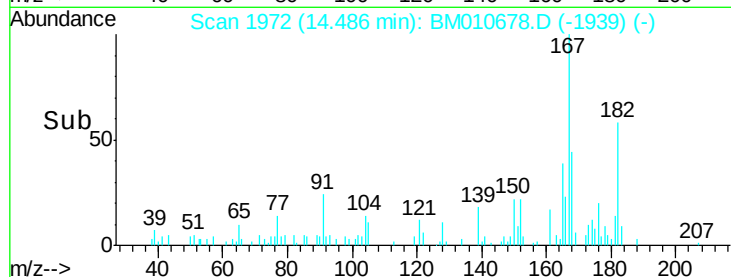
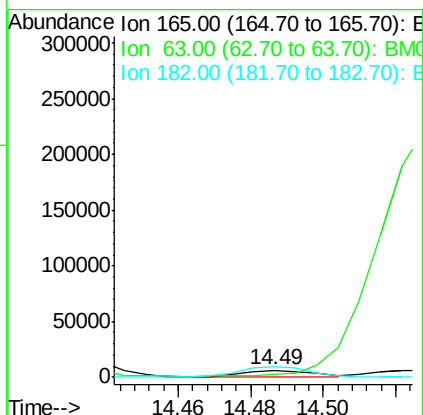
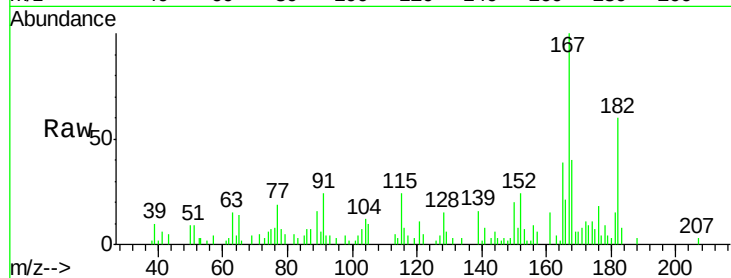




#54
2,4-Dinitrotoluene
Concen: 1.46 ng/ul
RT: 14.49 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

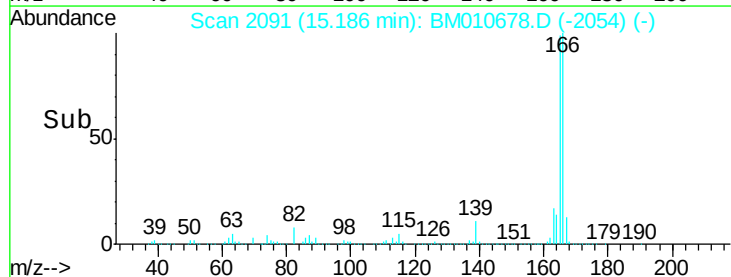
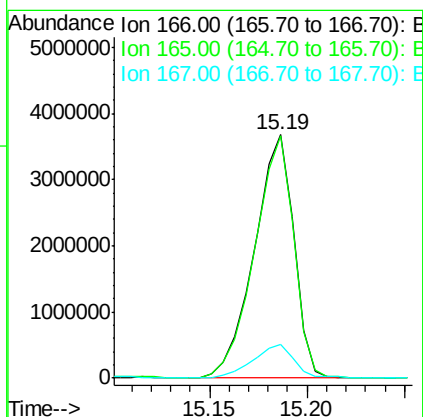
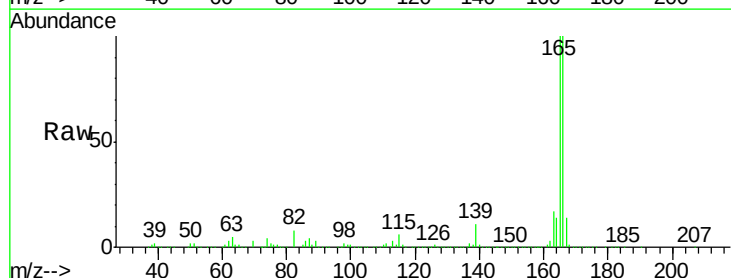
Instrument :
BNA_M
ClientSampleId :
F5B20

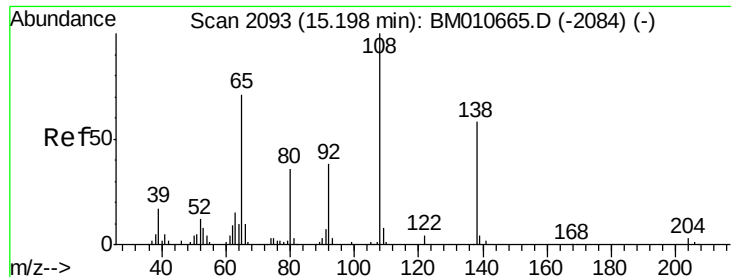
Tgt Ion:165 Resp: 9146
Ion Ratio Lower Upper
165 100
63 37.2 45.8 68.8#
182 151.8 2.6 4.0#



#58
Fluorene
Concen: 228.07 ng/ul
RT: 15.19 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion:166 Resp: 5133454
Ion Ratio Lower Upper
166 100
165 99.5 77.9 116.9
167 13.6 10.6 16.0

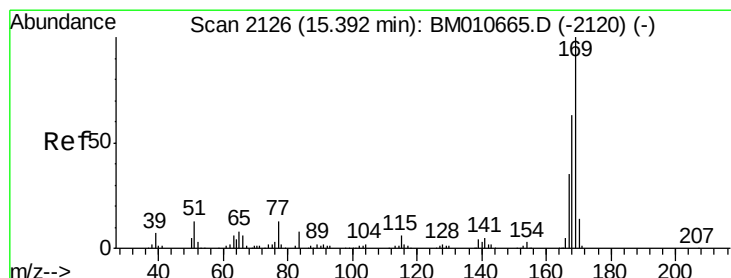
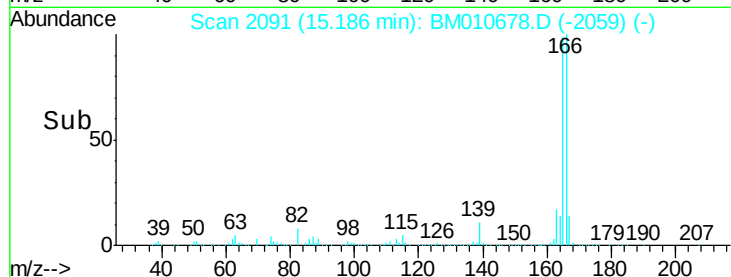
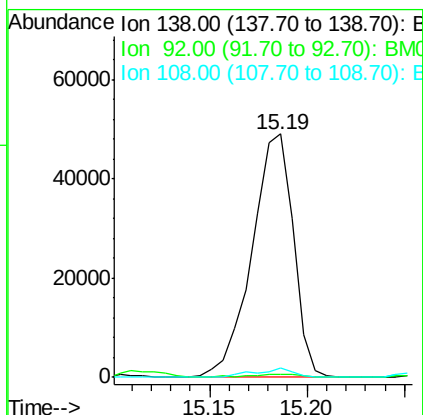
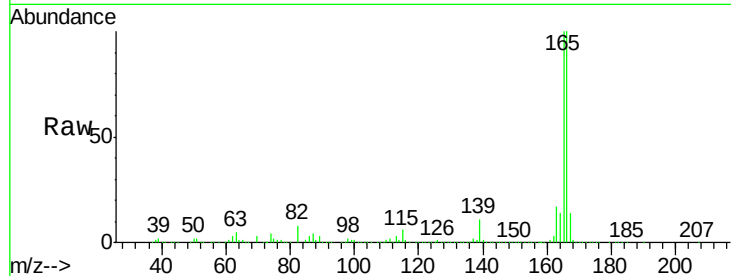




#60
4-Nitroaniline
Concen: 15.01 ng/ul
RT: 15.19 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

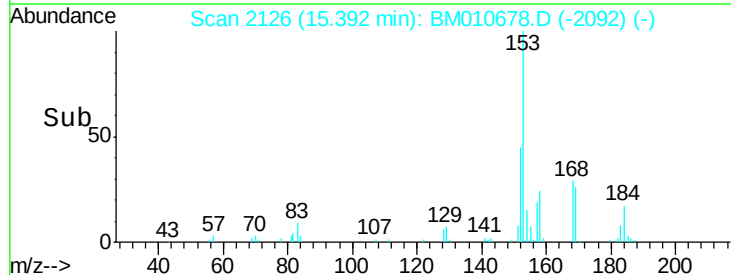
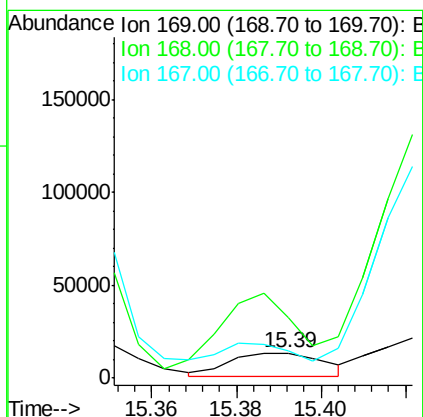
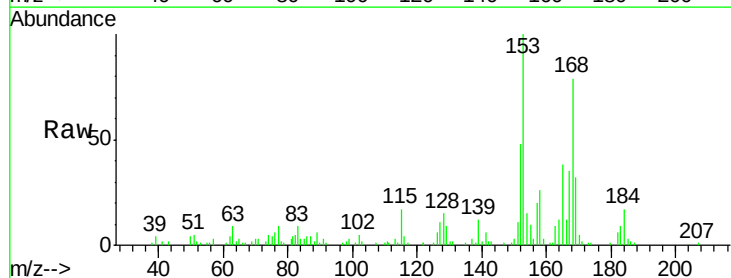
Instrument :
BNA_M
ClientSampleId :
F5B20

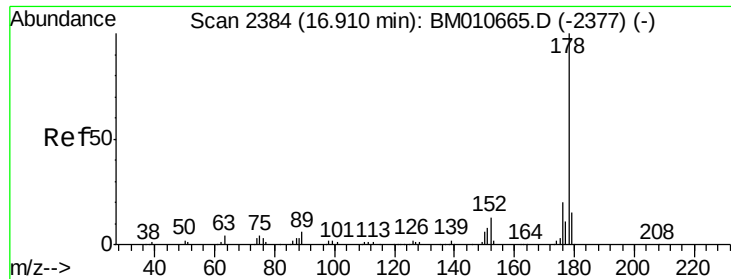
Tgt Ion:138 Resp: 72095
Ion Ratio Lower Upper
138 100
92 1.2 52.7 79.1#
108 3.6 140.4 210.6#



#64
N-Nitrosodiphenylamine
Concen: 1.10 ng/ul
RT: 15.39 min Scan# 2126
Delta R.T. 0.00 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion:169 Resp: 19254
Ion Ratio Lower Upper
169 100
168 243.2 54.0 81.0#
167 107.4 29.1 43.7#





#69

Phenanthrene

Concen: 109.82 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. 0.11 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampled :

F5B20

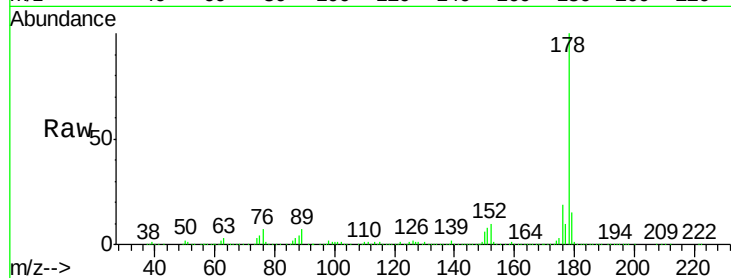
Tgt Ion:178 Resp: 3669676

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

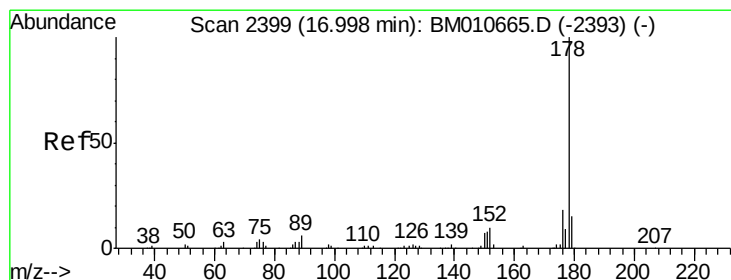
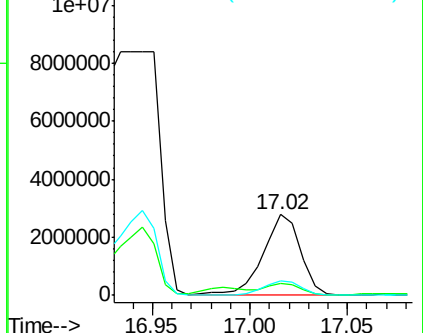
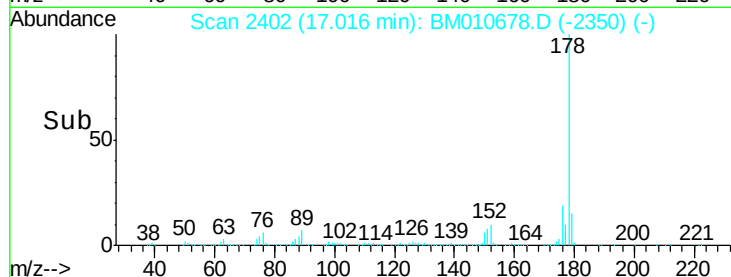
176 18.7 14.9 22.3



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: 106.59 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. 0.02 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

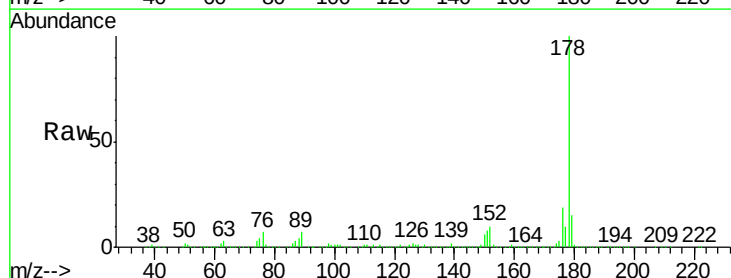
Tgt Ion:178 Resp: 3669676

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

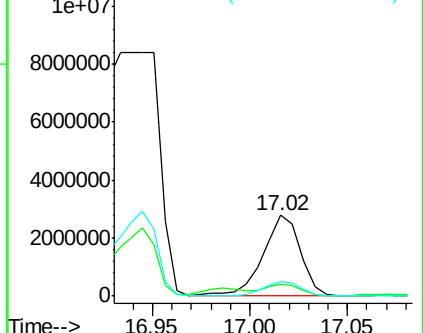
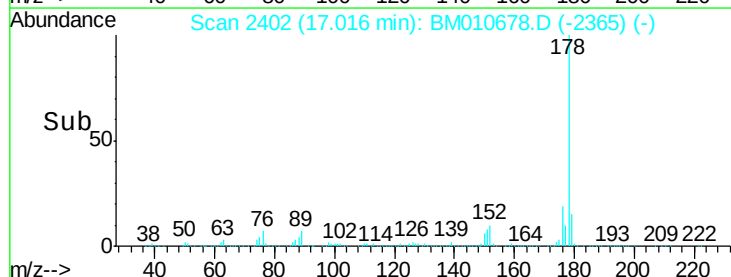
176 18.7 14.6 21.8

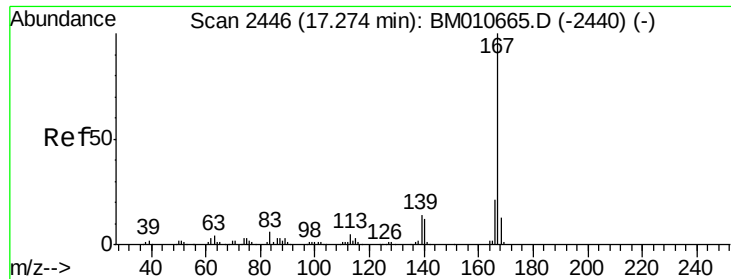


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

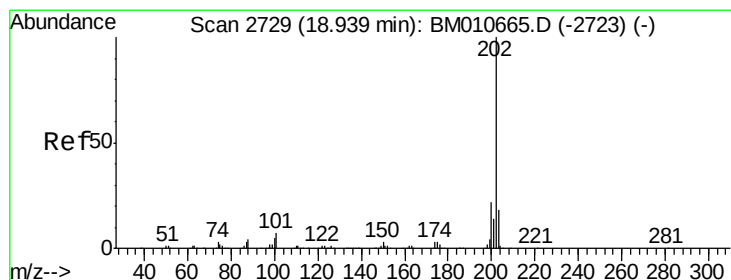
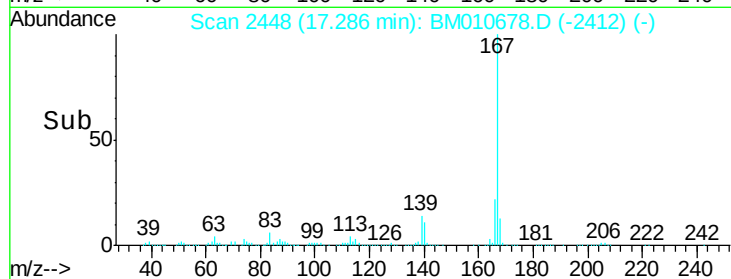
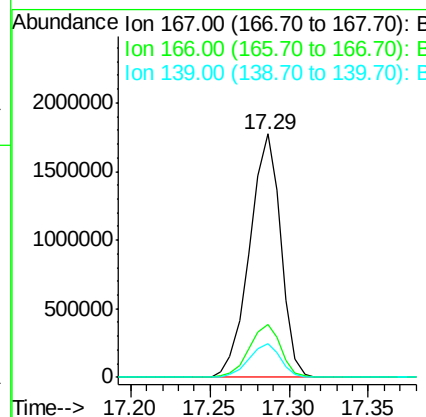
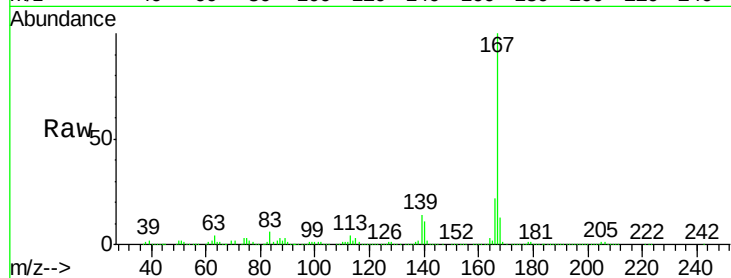




#72
 Carbazole
 Concen: 80.47 ng/ul
 RT: 17.29 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

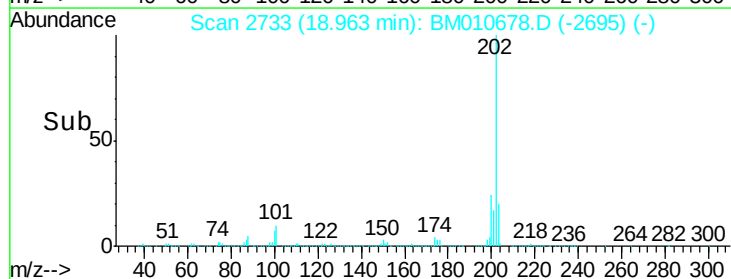
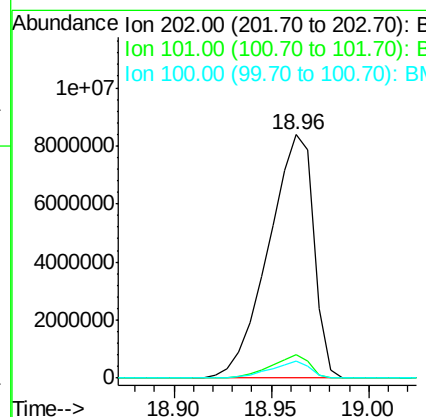
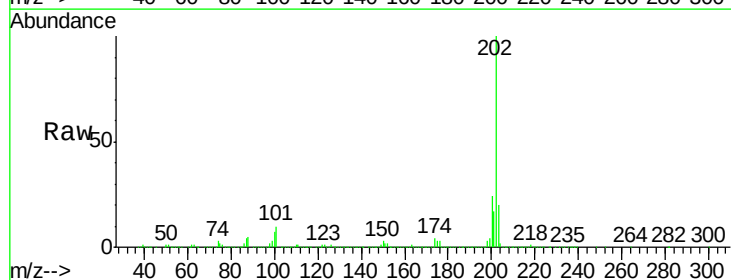
Instrument :
 BNA_M
 ClientSampleId :
 F5B20

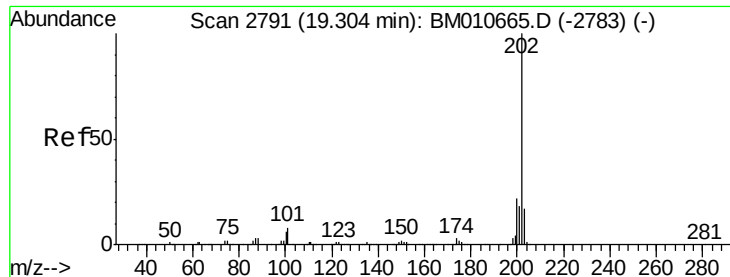
Tgt Ion:167 Resp: 2417155
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 14.0 10.0 15.0



#74
 Fluoranthene
 Concen: 311.30 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. 0.02 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion:202 Resp:13406440
 Ion Ratio Lower Upper
 202 100
 101 9.7 4.6 7.0#
 100 7.3 3.4 5.2#





#77

Pyrene

Concen: 215.80 ng/ul

RT: 19.33 min Scan# 2795

Delta R.T. 0.02 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

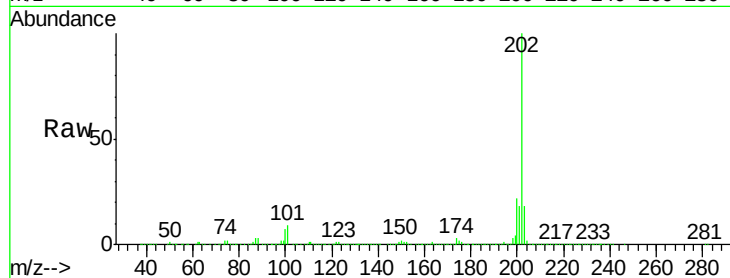
Tgt Ion:202 Resp: 8611337

Ion Ratio Lower Upper

202 100

101 8.7 5.1 7.7#

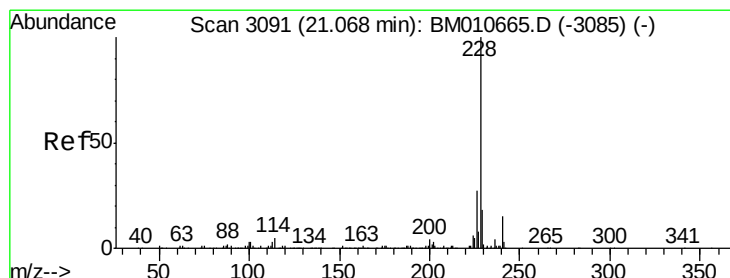
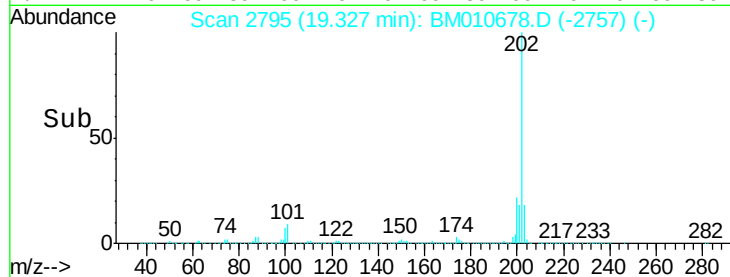
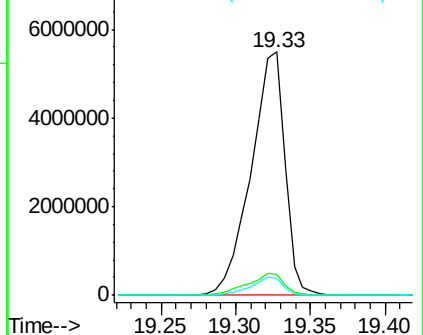
100 6.9 4.9 7.3



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: 59.40 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

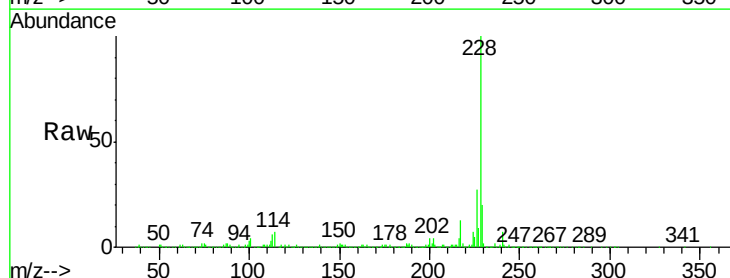
Tgt Ion:228 Resp: 2389860

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

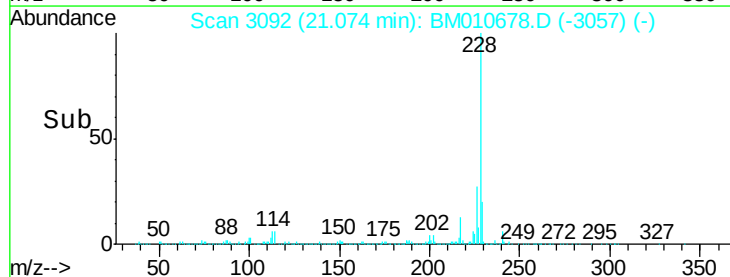
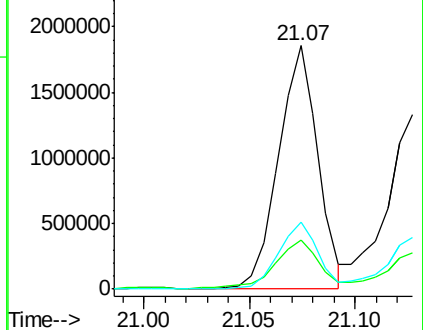
226 27.3 21.4 32.0

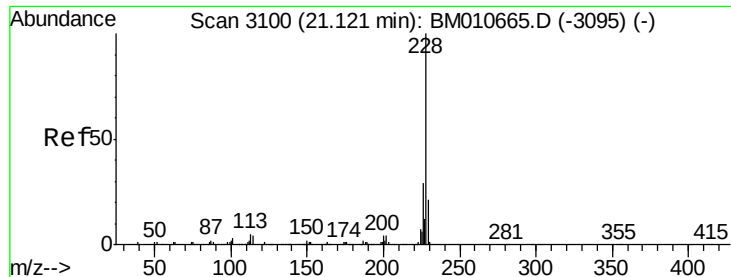


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

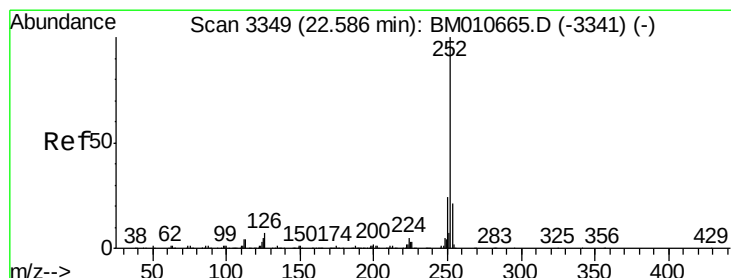
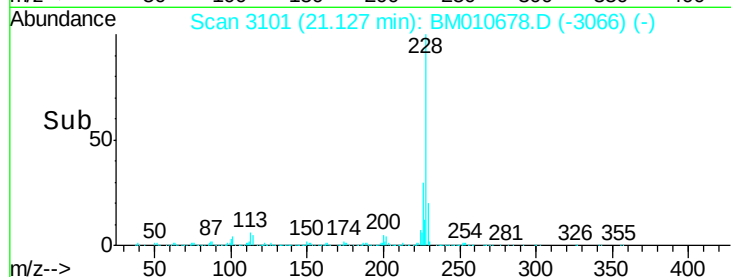
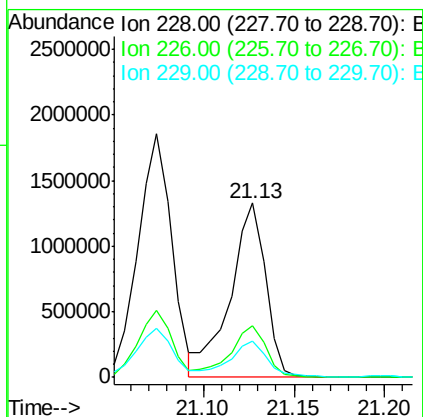
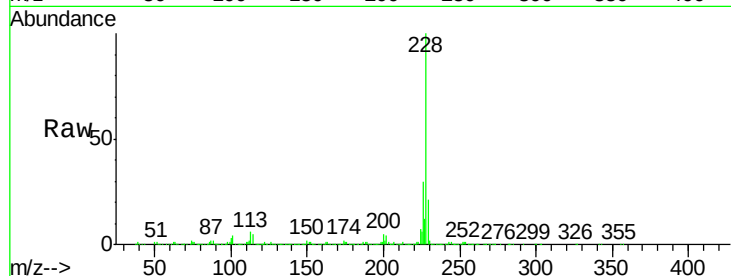




#82
 Chrysene
 Concen: 50.36 ng/ul
 RT: 21.13 min Scan# 3101
 Delta R.T. 0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

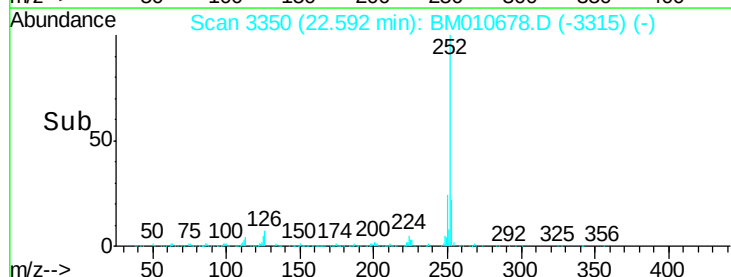
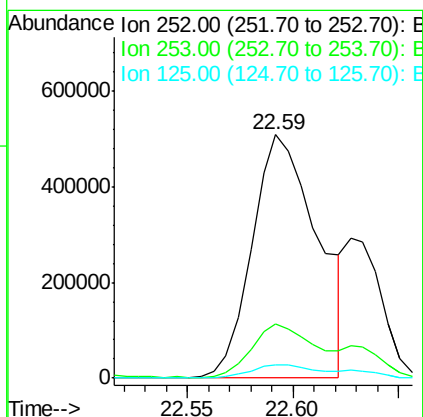
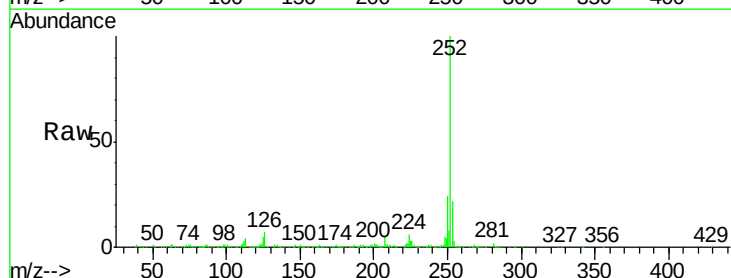
Instrument :
 BNA_M
 ClientSampleId :
 F5B20

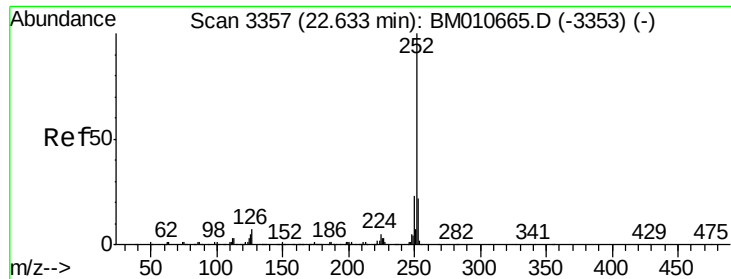
Tgt Ion: 228 Resp: 1806510
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.4 35.2
 229 20.5 15.5 23.3



#85
 Benzo(b)fluoranthene
 Concen: 32.20 ng/ul
 RT: 22.59 min Scan# 3350
 Delta R.T. 0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion: 252 Resp: 1091556
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.9 26.9
 125 5.3 3.6 5.4

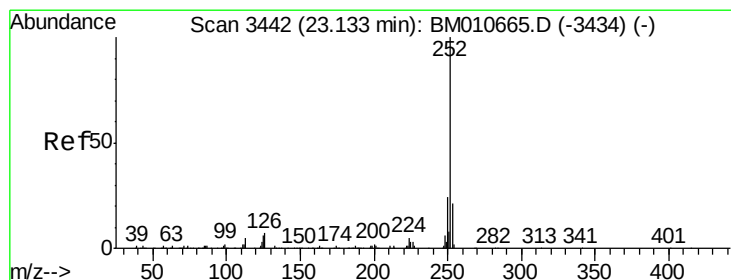
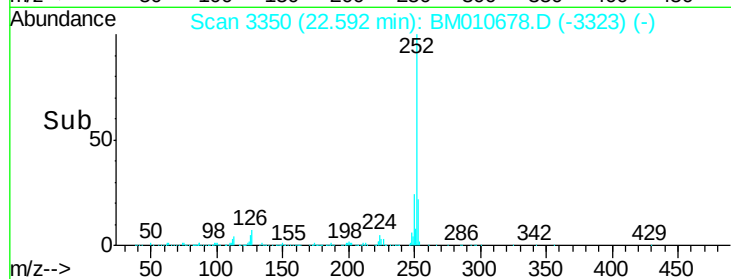
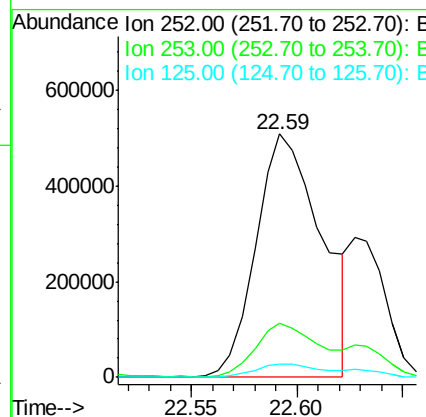
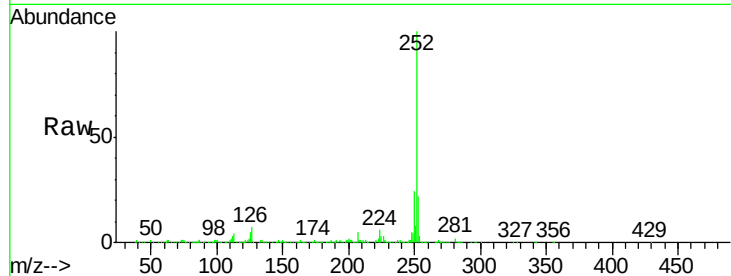




#86
Benzo(k)fluoranthene
Concen: 33.97 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. -0.04 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

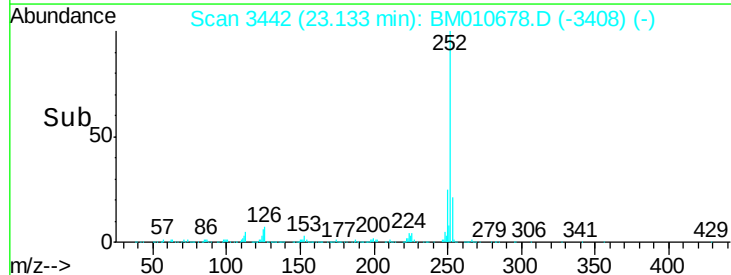
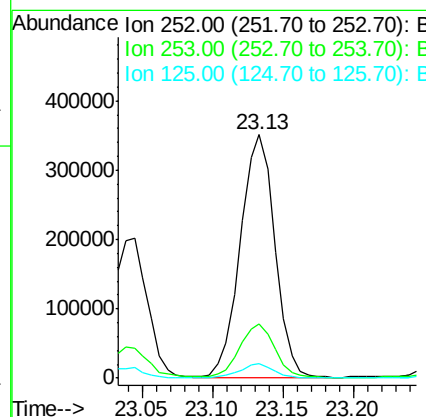
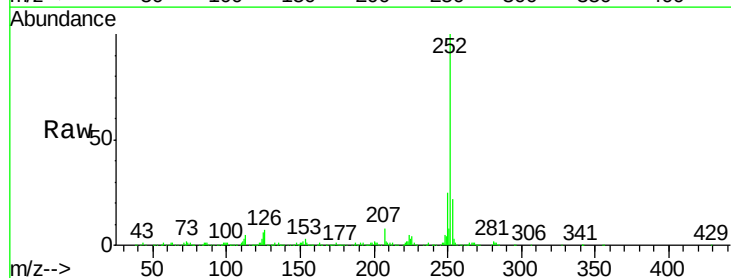
Instrument :
BNA_M
ClientSampleId :
F5B20

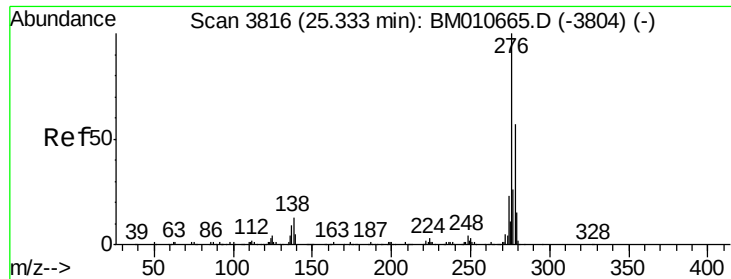
Tgt Ion:252 Resp: 1091556
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 5.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 19.19 ng/ul
RT: 23.13 min Scan# 3442
Delta R.T. 0.00 min
Lab File: BM010678.D
Acq: 23 Jun 2017 02:08

Tgt Ion:252 Resp: 598758
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 6.0 4.0 6.0#

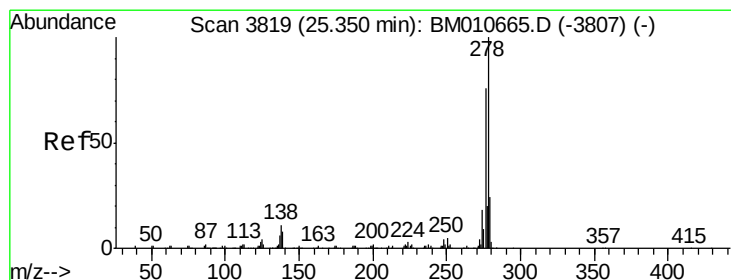
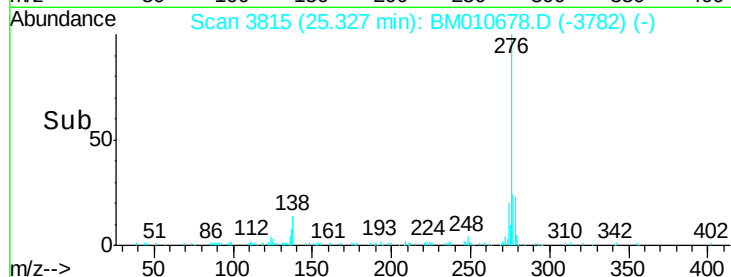
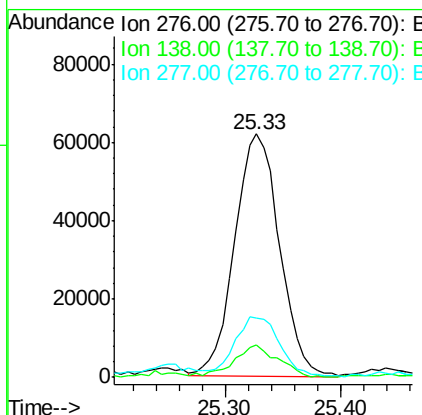
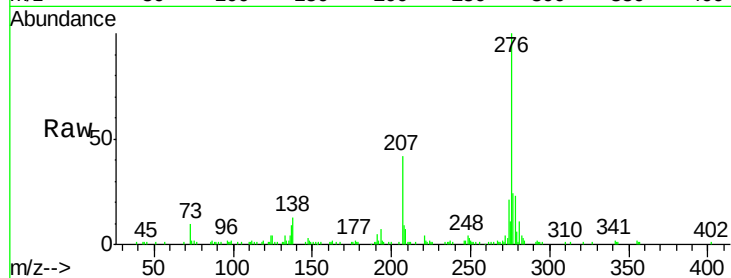




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 5.15 ng/ul
 RT: 25.33 min Scan# 3815
 Delta R.T. -0.01 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

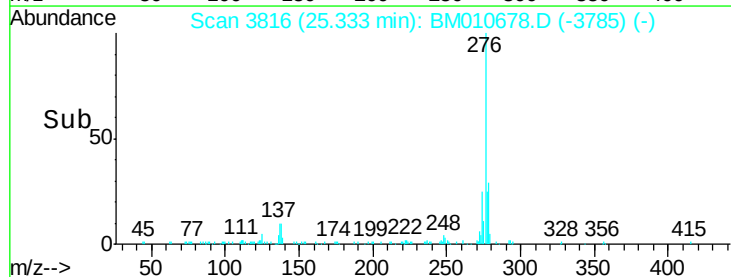
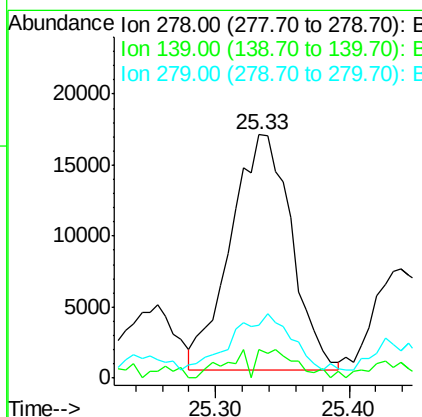
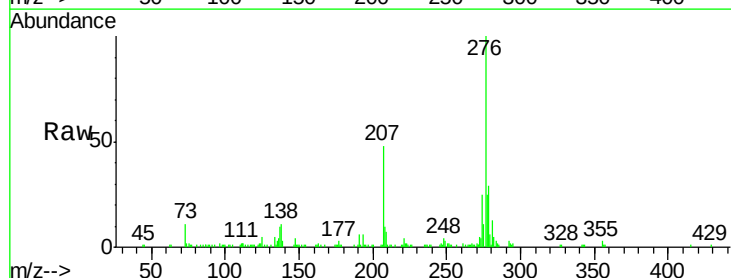
Instrument :
 BNA_M
 ClientSampleId :
 F5B20

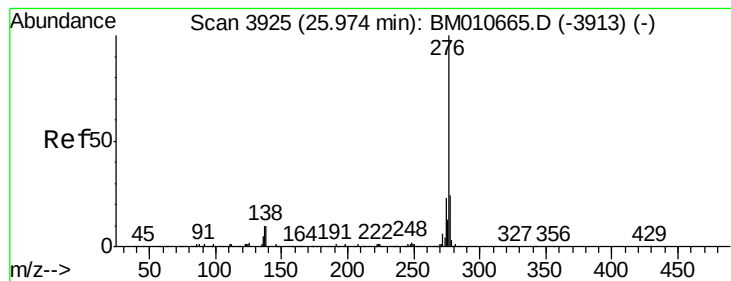
Tgt Ion:276 Resp: 166782
 Ion Ratio Lower Upper
 276 100
 138 13.3 9.3 13.9
 277 24.3 19.9 29.9



#90
 Dibenzo(a,h)anthracene
 Concen: 1.94 ng/ul
 RT: 25.33 min Scan# 3816
 Delta R.T. -0.02 min
 Lab File: BM010678.D
 Acq: 23 Jun 2017 02:08

Tgt Ion:278 Resp: 52300
 Ion Ratio Lower Upper
 278 100
 139 11.8 5.8 8.8#
 279 21.5 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 3.67 ng/ul

RT: 25.97 min Scan# 3925

Delta R.T. 0.00 min

Lab File: BM010678.D

Acq: 23 Jun 2017 02:08

Instrument :

BNA_M

ClientSampleId :

F5B20

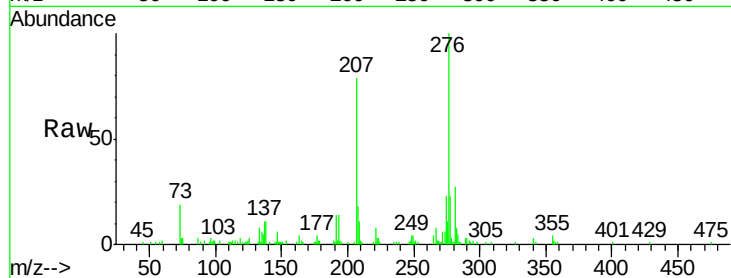
Tgt Ion:276 Resp: 94597

Ion Ratio Lower Upper

276 100

138 10.5 8.5 12.7

277 23.2 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

