

Data File : BM010674.D
Acq On : 22 Jun 2017 23:45
Operator : SJ/JU
Sample : I3653-05 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B22

Quant Time: Jun 23 05:09:31 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	69242	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	315233	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.12	164	220781	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	502961	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	600358	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	476453	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	6.65	99	2985	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	2019	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	2346	0.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2793	0.51	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	5223	2.32	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	1494	0.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	3901	0.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	17883	3.11	ng/ul	0.02
43) Dimethylphthalate-d6	13.54	166	17563	0.91	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	15677	0.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	3078	0.90	ng/ul	0.00
57) Fluorene-d10	15.12	176	15907	0.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.27	200	1115	0.36	ng/ul	0.03
70) Anthracene-d10	16.99	188	21846	0.90	ng/ul	0.02
76) Pyrene-d10	19.29	212	21717	0.78	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.09	264	18807	0.82	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.63	77	5845	1.51	ng/ul#	1
6) Phenol	6.67	94	7336	1.08	ng/ul	91
8) Bis(2-Chloroethyl)ether	6.91	93	16005	3.24	ng/ul#	28
11) 2-Methylphenol	7.90	108	11421	2.21	ng/ul	83
16) 4-Methylphenol	8.23	108	28483	5.00	ng/ul	93
17) Hexachloroethane	8.49	117	2085	1.01	ng/ul#	1
24) 2,4-Dimethylphenol	9.46	107	19381	2.77	ng/ul	95
30) 4-Chloroaniline	10.33	127	6394316	1106.18	ng/ul#	21
34) 2-Methylnaphthalene	11.92	142	7674277	608.57	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	1609045	93.22	ng/ul	99
47) Acenaphthylene	13.83	152	394302	18.36	ng/ul#	95
49) Acenaphthene	14.20	153	5544768	382.81	ng/ul	99
53) Dibenzofuran	14.53	168	5962486	271.82	ng/ul	92
54) 2,4-Dinitrotoluene	14.49	165	12317	2.41	ng/ul#	50
58) Fluorene	15.19	166	6384700	347.65	ng/ul	99
60) 4-Nitroaniline	15.19	138	89039	22.71	ng/ul#	1
64) N-Nitrosodiphenylamine	15.39	169	23822	1.71	ng/ul#	1
69) Phenanthrene	17.02	178	3890000	145.48	ng/ul	99
71) Anthracene	17.02	178	3890000	141.21	ng/ul	98
72) Carbazole	17.29	167	1790168	74.48	ng/ul	98
74) Fluoranthene	18.96	202	15844186	459.78	ng/ul#	89
77) Pyrene	19.33	202	11005774	317.38	ng/ul#	93
80) Benzo(a)anthracene	21.07	228	3281150	93.85	ng/ul	97

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82) Chrysene	21.13	228	2306051	73.98	ng/ul	97
85) Benzo(b)fluoranthene	22.60	252	1522271	49.22	ng/ul	98
86) Benzo(k)fluoranthene	22.60	252	1522271	51.92	ng/ul#	99
88) Benzo(a)pyrene	23.13	252	867807	30.48	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.33	276	244988	8.30	ng/ul	98
90) Dibenzo(a,h)anthracene	25.34	278	71124	2.89	ng/ul#	91
91) Benzo(g,h,i)perylene	25.97	276	146041	6.21	ng/ul	99

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

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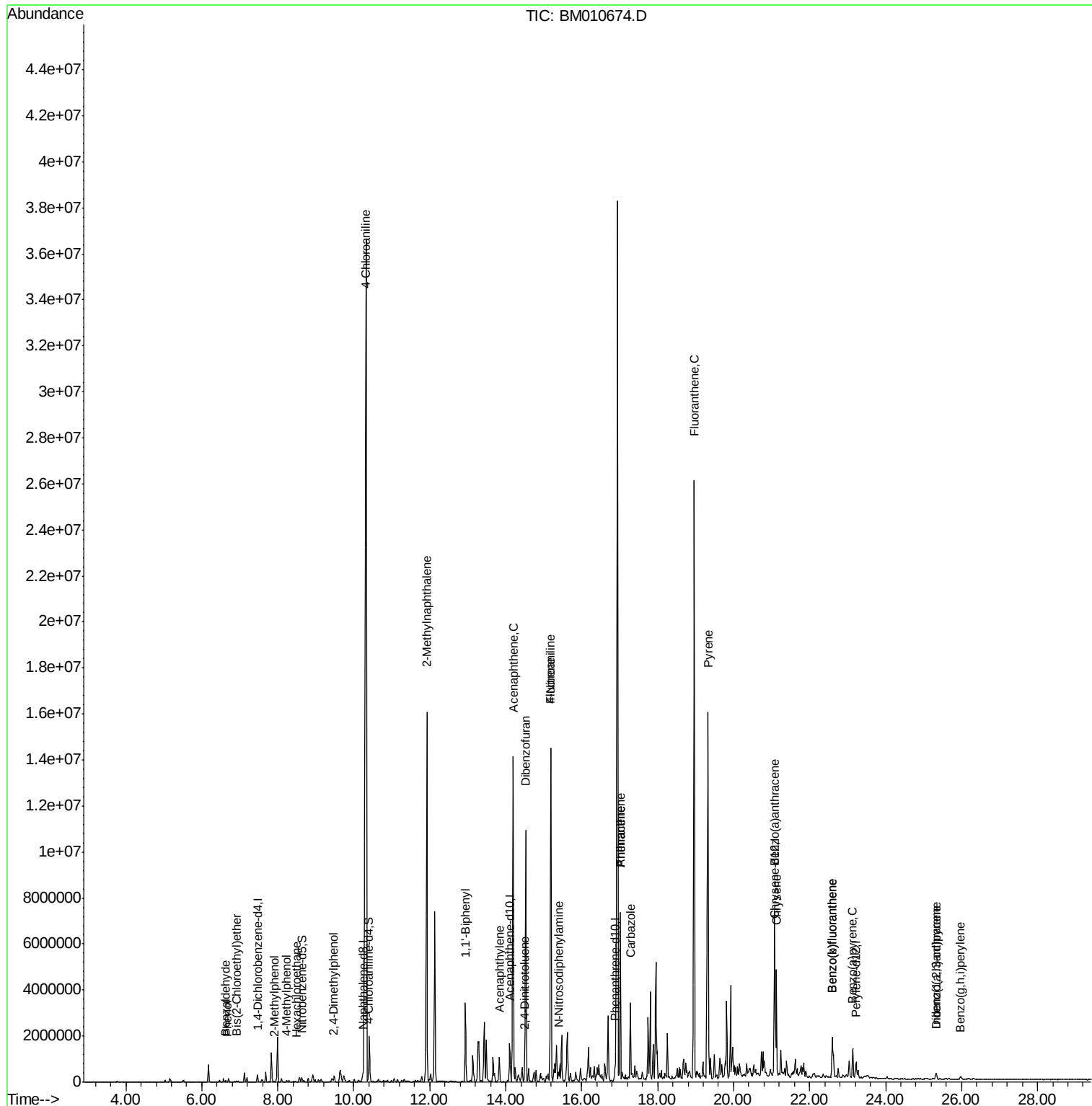
Quant Time: Jun 23 05:09:31 2017

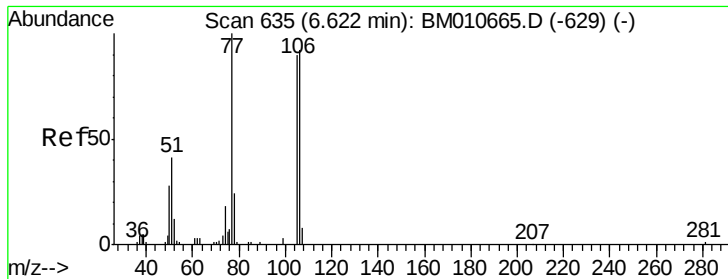
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

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

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#4

Benzaldehyde

Concen: 1.51 ng/ul

RT: 6.63 min Scan# 636

Delta R.T. 0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

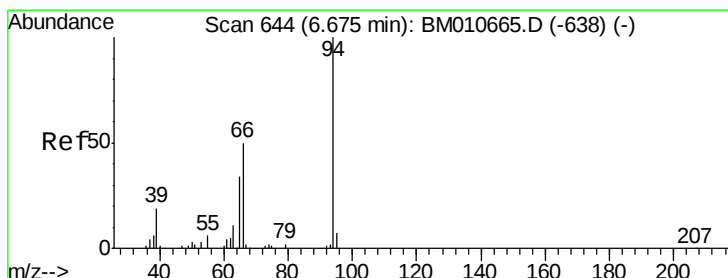
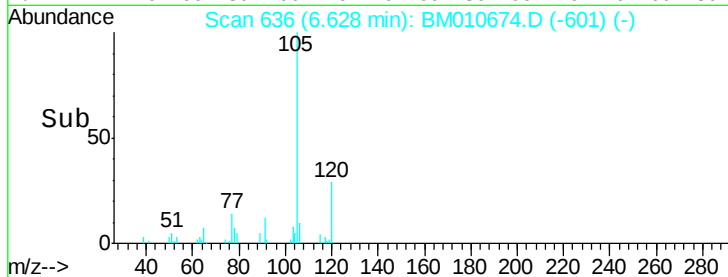
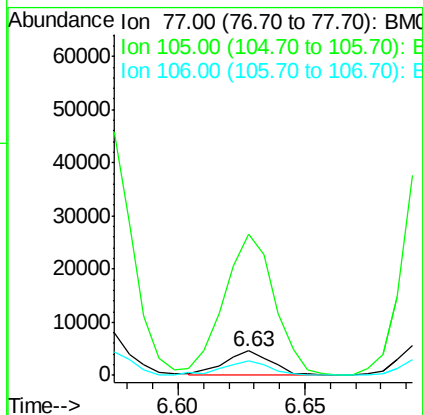
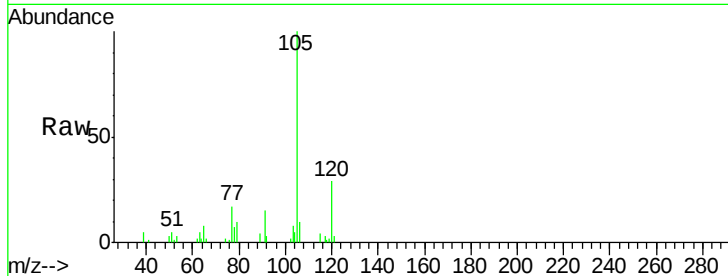
Tgt Ion: 77 Resp: 5845

Ion Ratio Lower Upper

77 100

105 576.3 66.1 99.1#

106 57.0 67.8 101.6#



#6

Phenol

Concen: 1.08 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

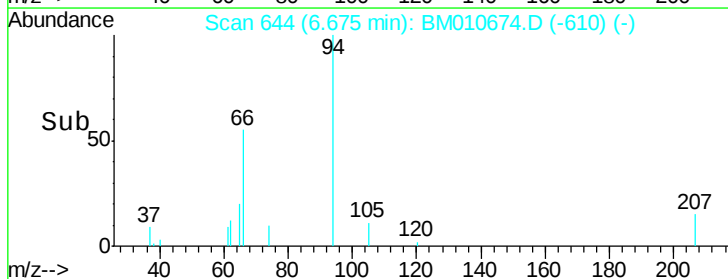
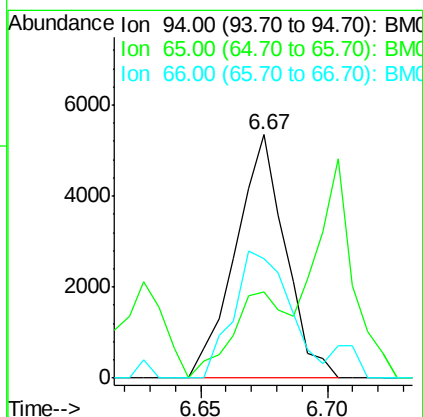
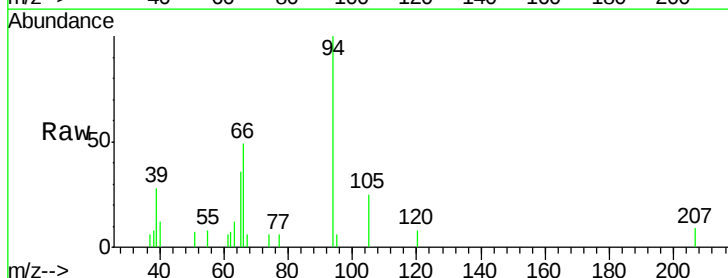
Tgt Ion: 94 Resp: 7336

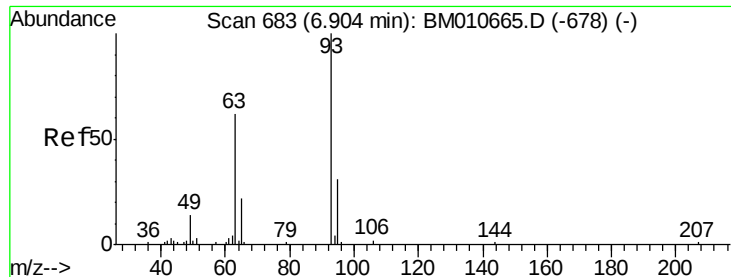
Ion Ratio Lower Upper

94 100

65 35.5 28.2 42.4

66 48.9 47.2 70.8





#8

Bis(2-Chloroethyl)ether

Concen: 3.24 ng/ul

RT: 6.91 min Scan# 684

Delta R.T. 0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampled :

F5B22

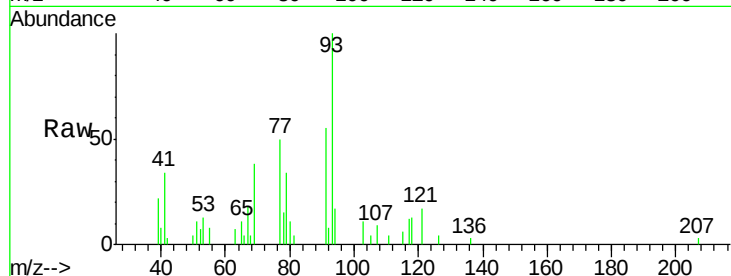
Tgt Ion: 93 Resp: 16005

Ion Ratio Lower Upper

93 100

63 7.0 57.3 85.9#

95 0.0 26.6 39.8#



Abundance Ion 93.00 (92.70 to 93.70): BM010665.D (-678) (-)

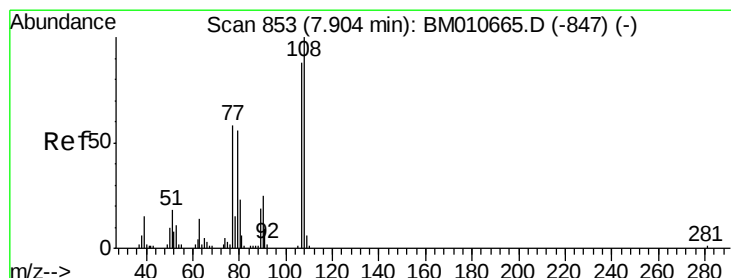
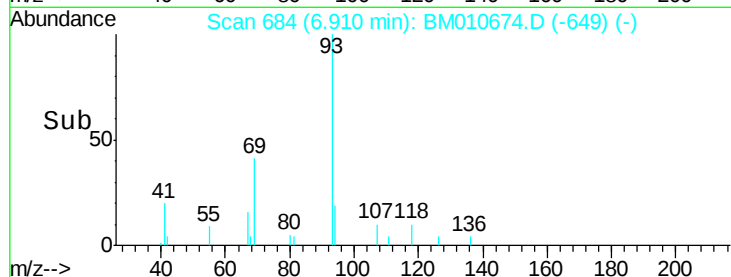
6.91

10000

5000

0

Time-->



#11

2-Methylphenol

Concen: 2.21 ng/ul

RT: 7.90 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM010674.D

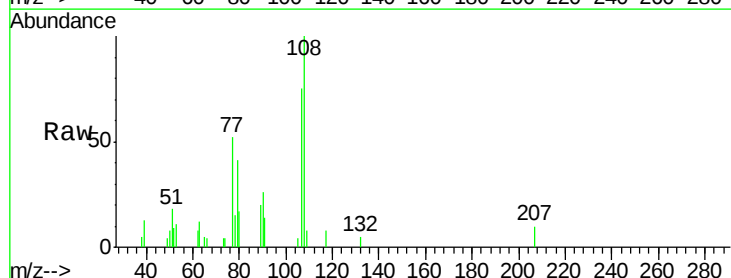
Acq: 22 Jun 2017 23:45

Tgt Ion: 108 Resp: 11421

Ion Ratio Lower Upper

108 100

107 74.6 72.6 108.8



Abundance Ion 108.00 (107.70 to 108.70): BM010665.D (-847) (-)

7.90

8000

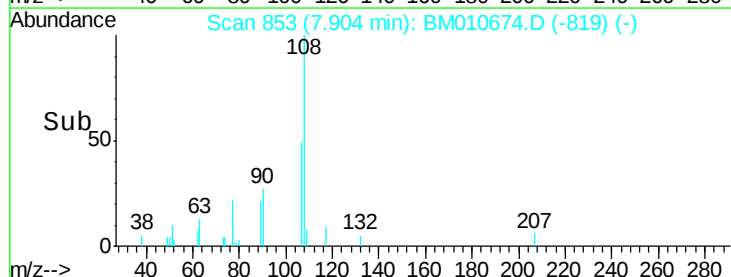
6000

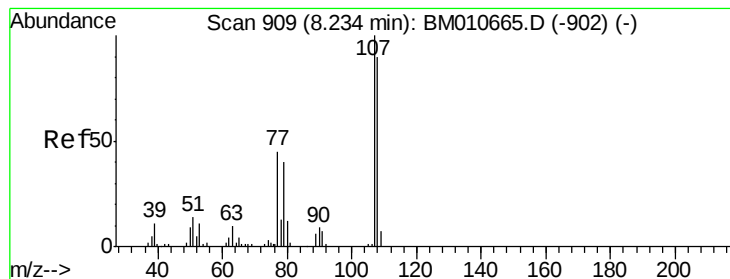
4000

2000

0

Time-->





#16

4-Methylphenol

Concen: 5.00 ng/ul

RT: 8.23 min Scan# 908

Delta R.T. -0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampled :

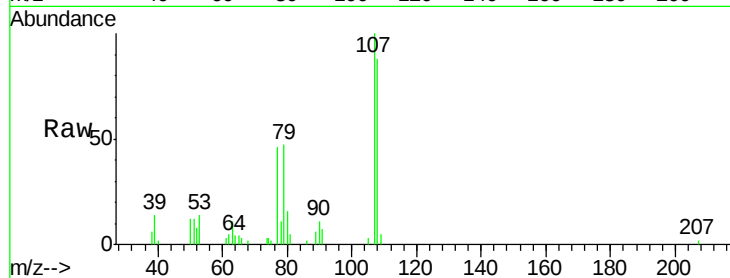
F5B22

Tgt Ion:108 Resp: 28483

Ion Ratio Lower Upper

108 100

107 113.6 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

20000

15000

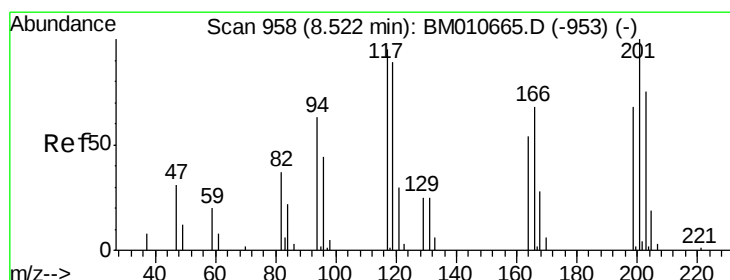
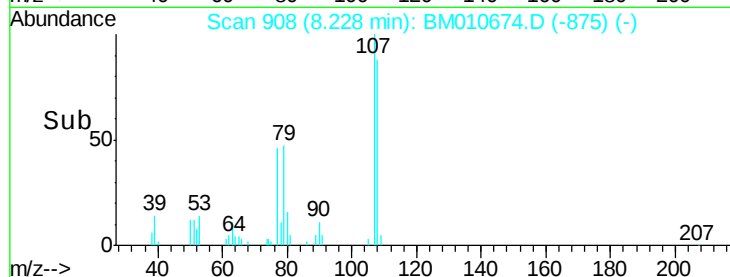
10000

5000

0

8.20 8.23 8.25

Time-->



#17

Hexachloroethane

Concen: 1.01 ng/ul

RT: 8.49 min Scan# 952

Delta R.T. -0.04 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

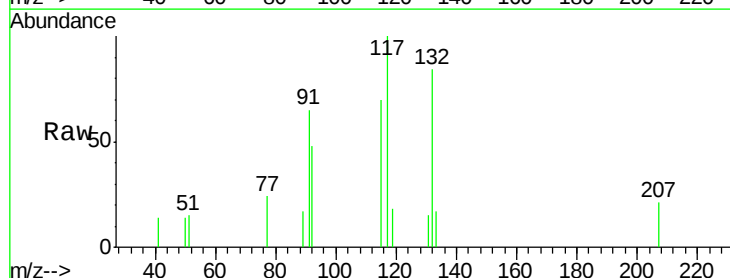
Tgt Ion:117 Resp: 2085

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

3000

2500

2000

1500

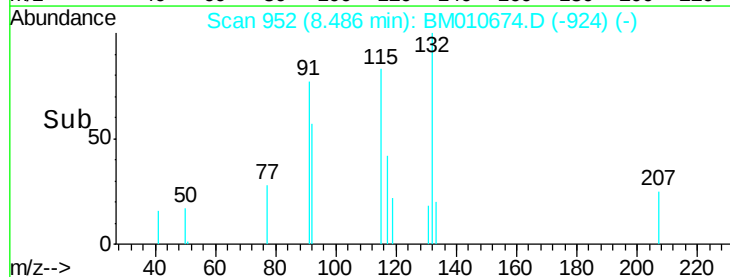
1000

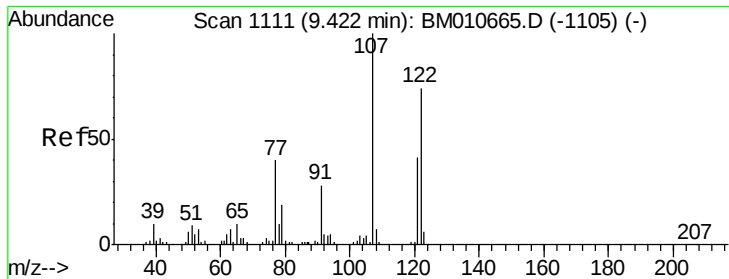
500

0

8.46 8.48 8.49 8.50

Time-->





#24

2,4-Dimethylphenol

Concen: 2.77 ng/ul

RT: 9.46 min Scan# 1117

Delta R.T. 0.04 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

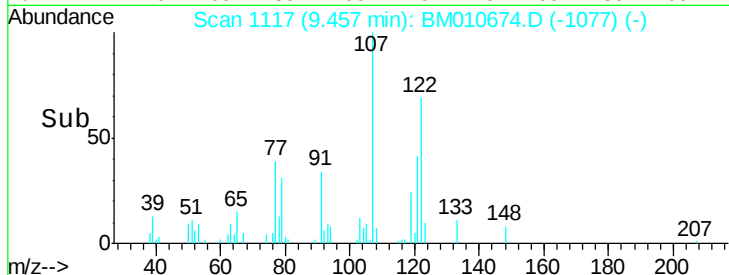
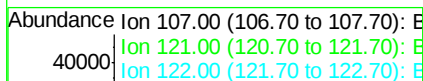
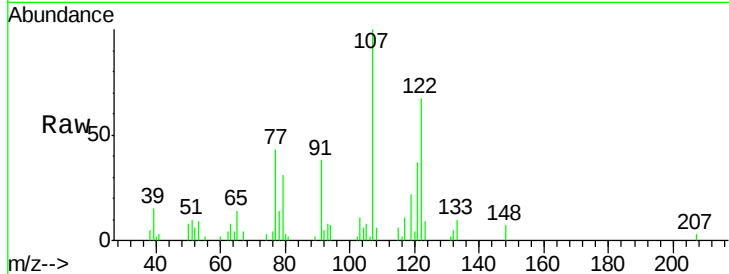
Instrument :

BNA_M

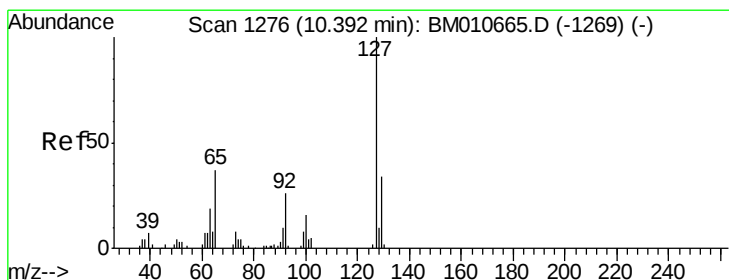
ClientSampleId :

F5B22

Tgt Ion:	107	Resp:	19381
Ion	Ratio	Lower	Upper
107	100		
121	37.2	31.9	47.9
122	67.5	57.8	86.6



Time-->



#30

4-Chloroaniline

Concen: 1106.18 ng/ul

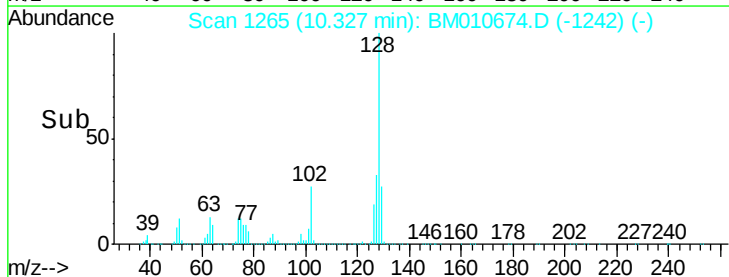
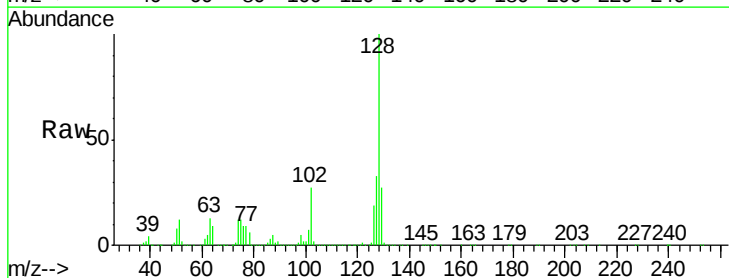
RT: 10.33 min Scan# 1265

Delta R.T. -0.06 min

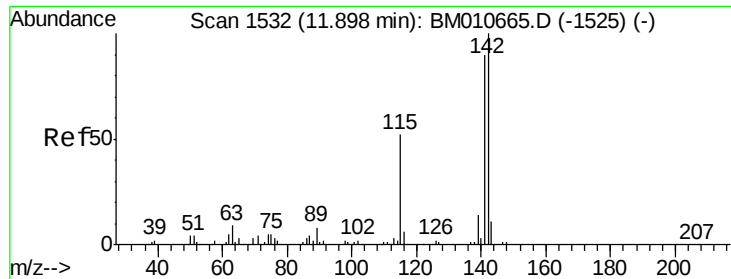
Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Tgt Ion:	127	Resp:	6394316
Ion	Ratio	Lower	Upper
127	100		
129	81.4	28.4	42.6#



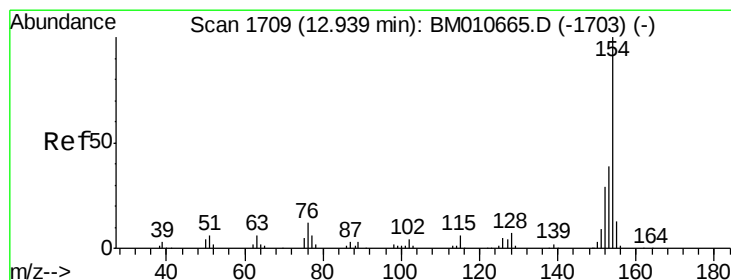
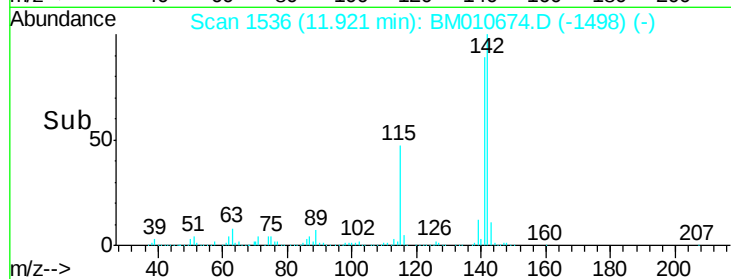
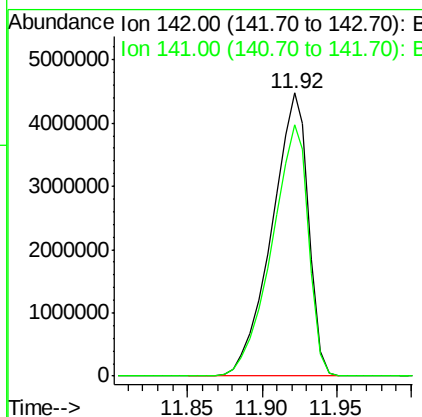
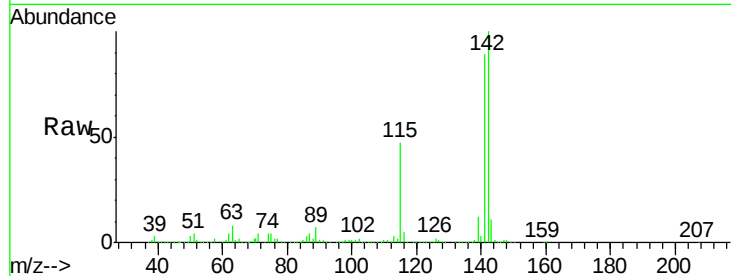
Time-->



#34
 2-Methylnaphthalene
 Concen: 608.57 ng/u1
 RT: 11.92 min Scan# 1536
 Delta R.T. 0.02 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

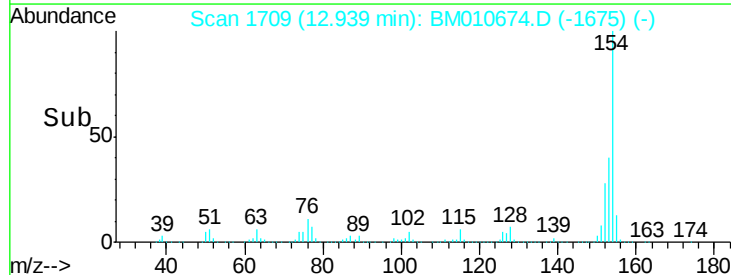
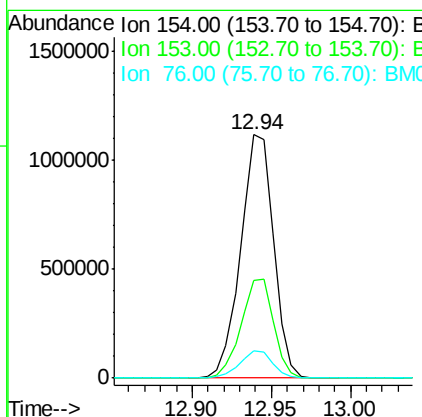
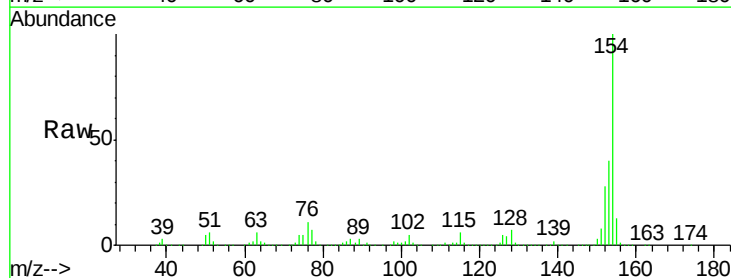
Instrument :
 BNA_M
 ClientSampled :
 F5B22

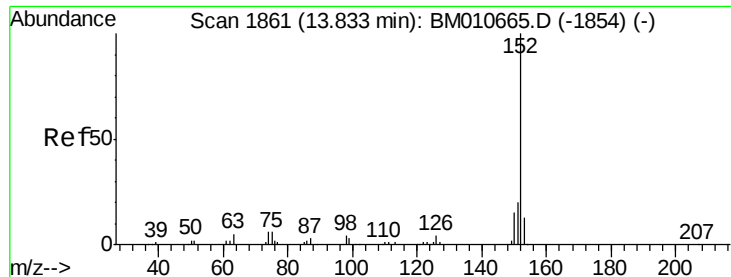
Tgt Ion:142 Resp: 7674277
 Ion Ratio Lower Upper
 142 100
 141 89.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 93.22 ng/u1
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

Tgt Ion:154 Resp: 1609045
 Ion Ratio Lower Upper
 154 100
 153 40.2 32.6 48.8
 76 11.4 8.5 12.7





#47

Acenaphthylene

Concen: 18.36 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

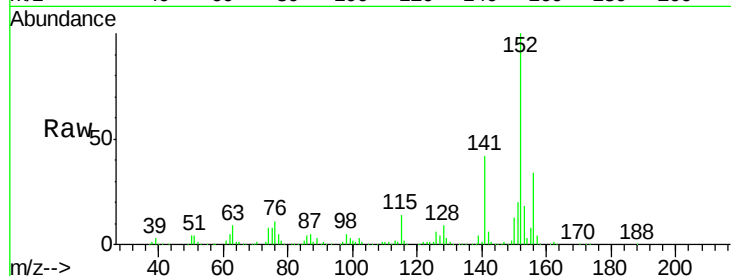
Tgt Ion:152 Resp: 394302

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

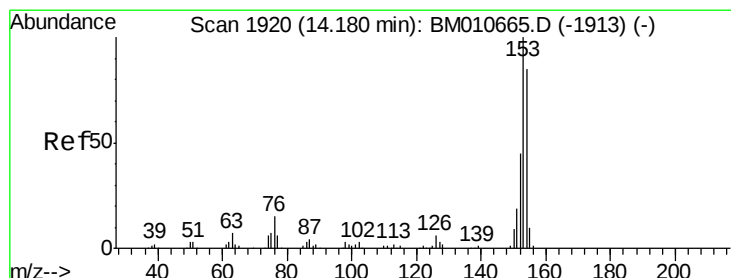
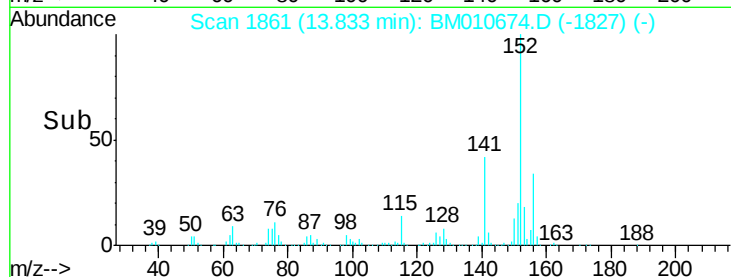
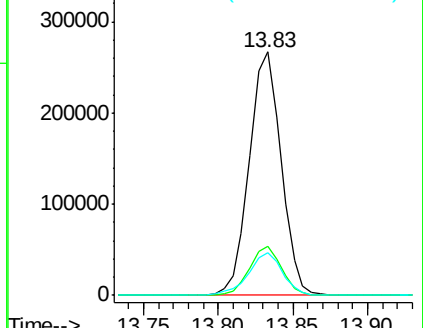
153 17.7 10.2 15.4#



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: 382.81 ng/ul

RT: 14.20 min Scan# 1923

Delta R.T. 0.02 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

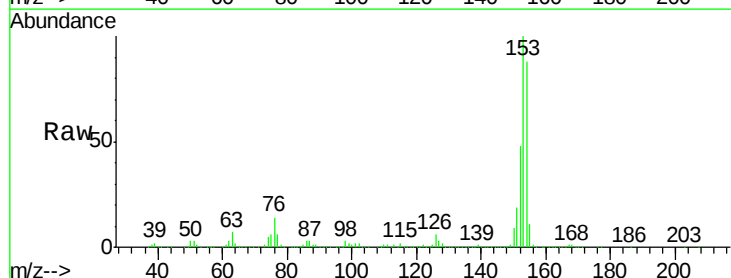
Tgt Ion:153 Resp: 5544768

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

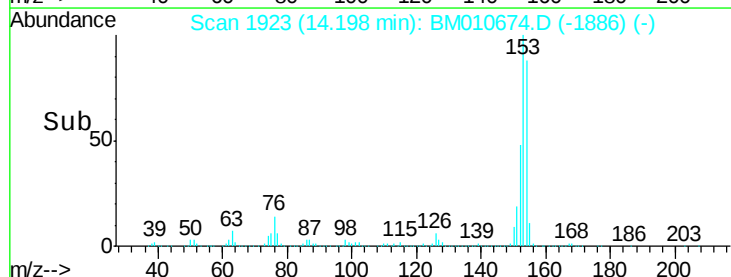
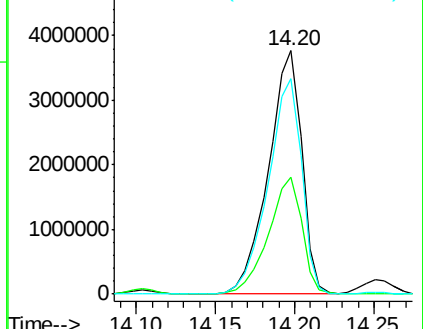
154 88.5 70.4 105.6

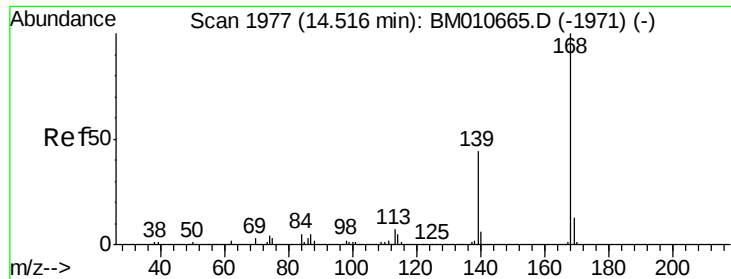


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 271.82 ng/ul

RT: 14.53 min Scan# 1980

Delta R.T. 0.02 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

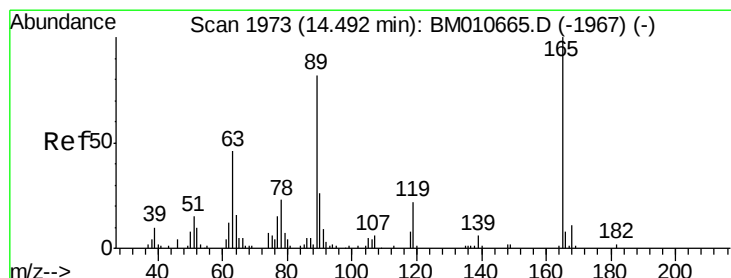
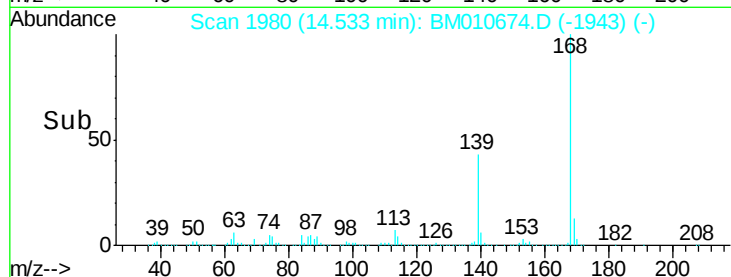
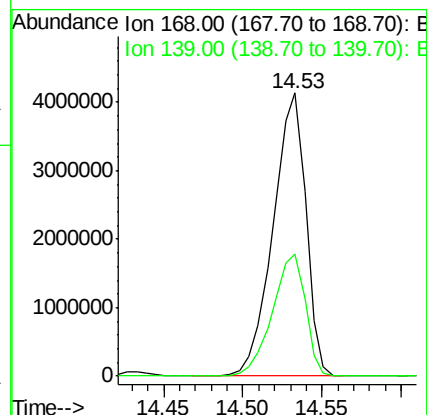
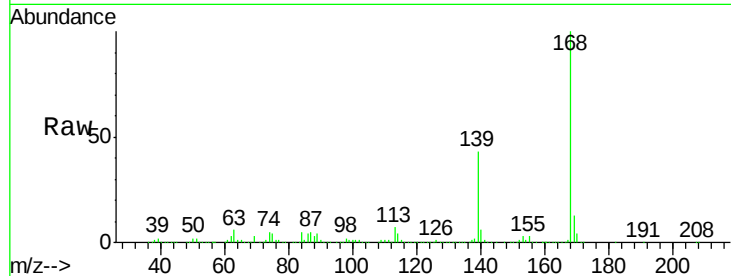
F5B22

Tgt Ion:168 Resp: 5962486

Ion Ratio Lower Upper

168 100

139 43.2 30.8 46.2



#54

2,4-Dinitrotoluene

Concen: 2.41 ng/ul

RT: 14.49 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

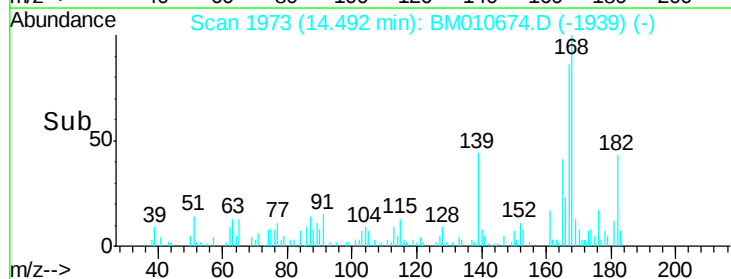
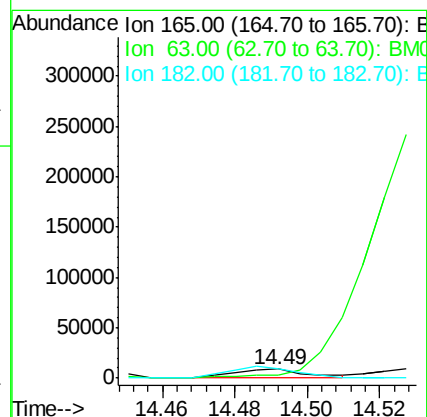
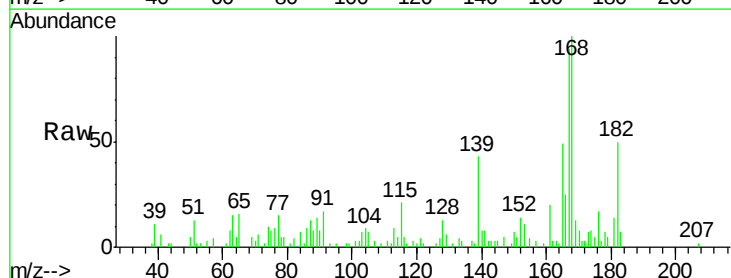
Tgt Ion:165 Resp: 12317

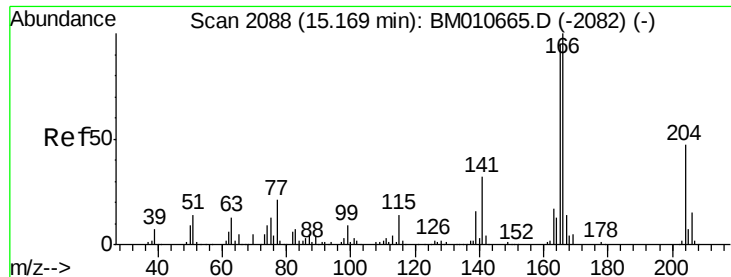
Ion Ratio Lower Upper

165 100

63 31.2 45.8 68.8#

182 101.2 2.6 4.0#

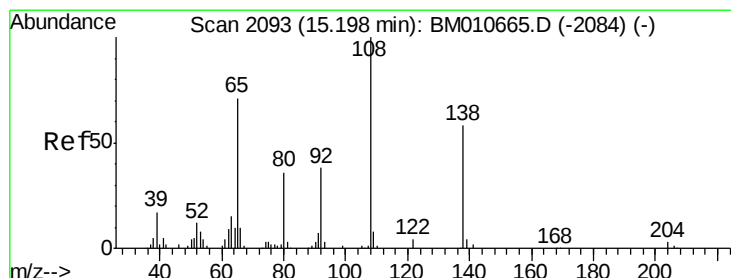
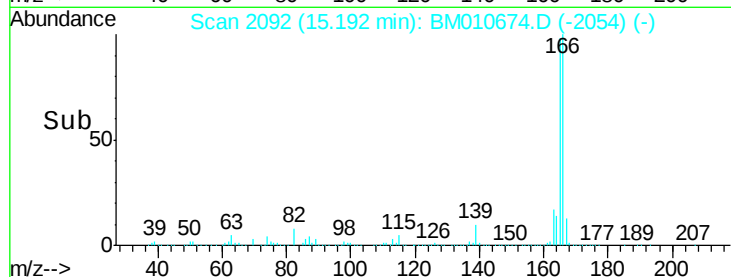
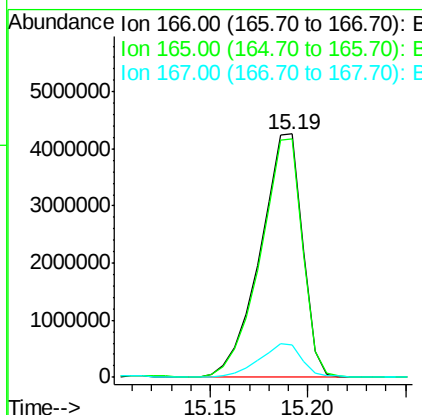
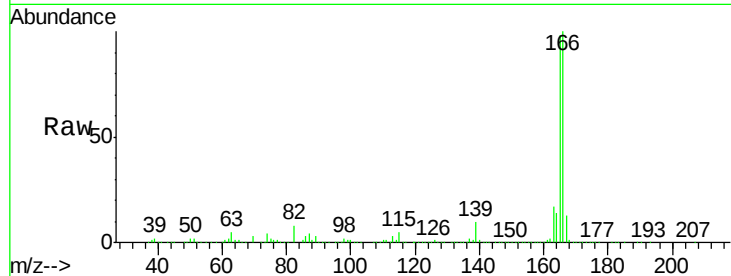




#58
 Fluorene
 Concen: 347.65 ng/ul
 RT: 15.19 min Scan# 2092
 Delta R.T. 0.02 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

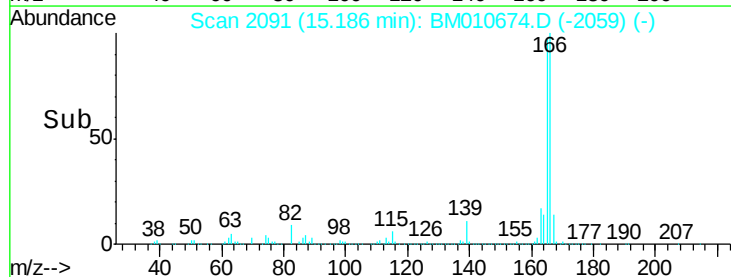
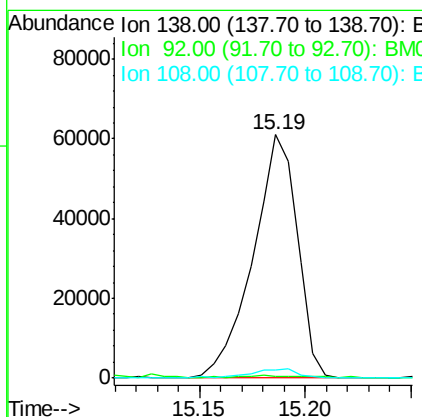
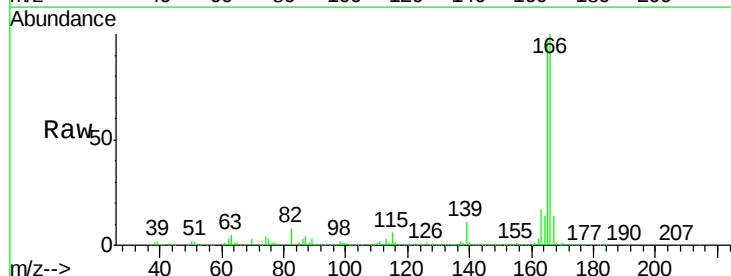
Instrument :
 BNA_M
 ClientSampleId :
 F5B22

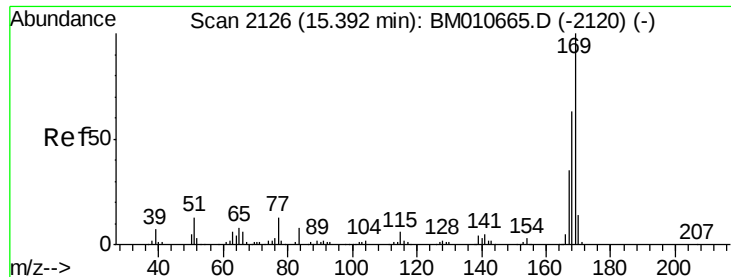
Tgt Ion:166 Resp: 6384700
 Ion Ratio Lower Upper
 166 100
 165 98.1 77.9 116.9
 167 13.1 10.6 16.0



#60
 4-Nitroaniline
 Concen: 22.71 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

Tgt Ion:138 Resp: 89039
 Ion Ratio Lower Upper
 138 100
 92 0.8 52.7 79.1#
 108 3.5 140.4 210.6#





#64

N-Nitrosodiphenylamine

Concen: 1.71 ng/ul

RT: 15.39 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

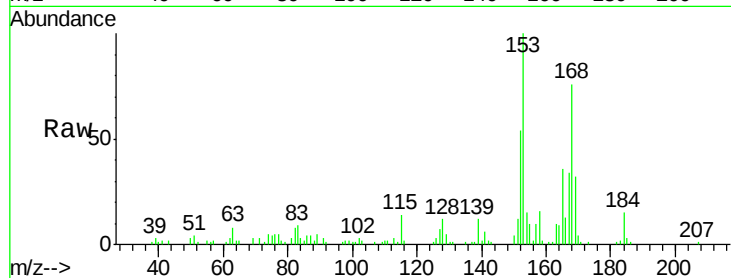
Tgt Ion:169 Resp: 23822

Ion Ratio Lower Upper

169 100

168 233.8 54.0 81.0#

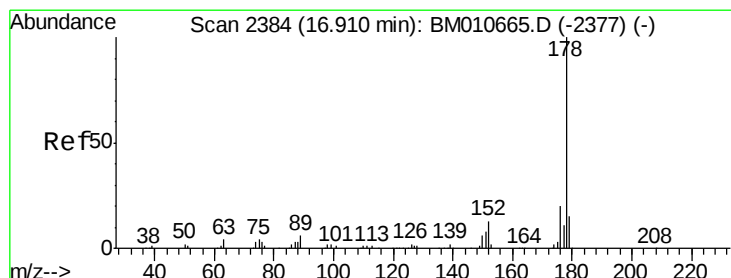
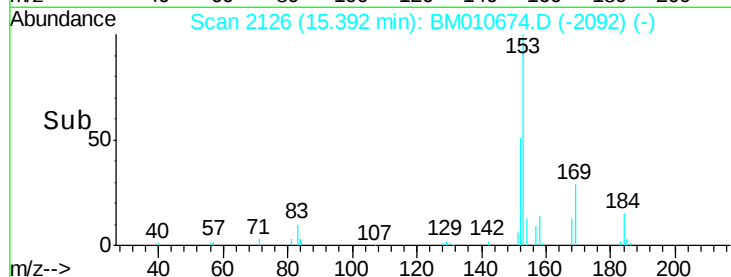
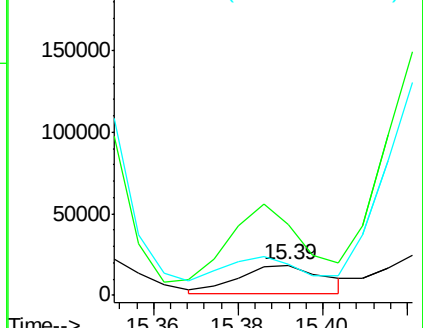
167 103.9 29.1 43.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 145.48 ng/ul

RT: 17.02 min Scan# 2403

Delta R.T. 0.11 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

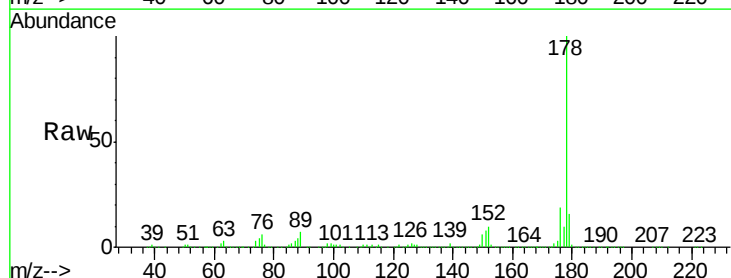
Tgt Ion:178 Resp: 3890000

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

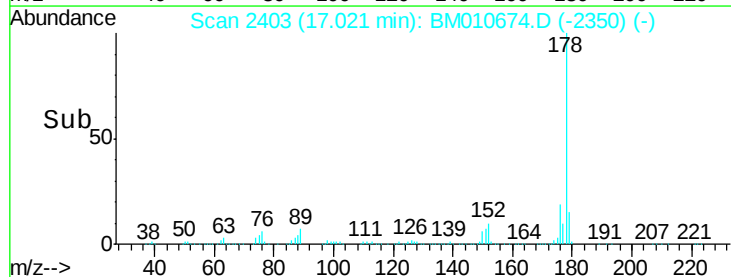
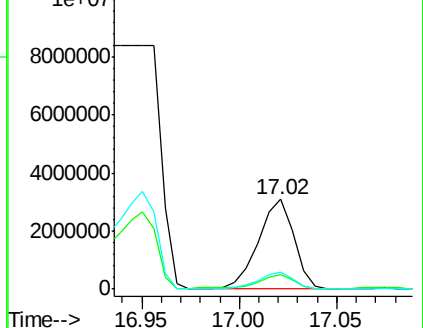
176 19.1 14.9 22.3

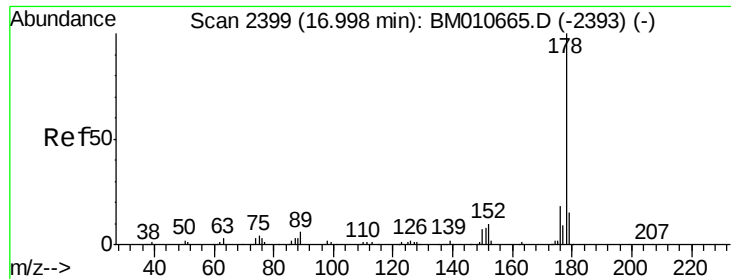


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

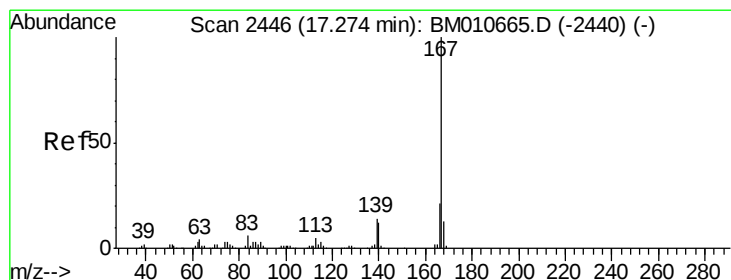
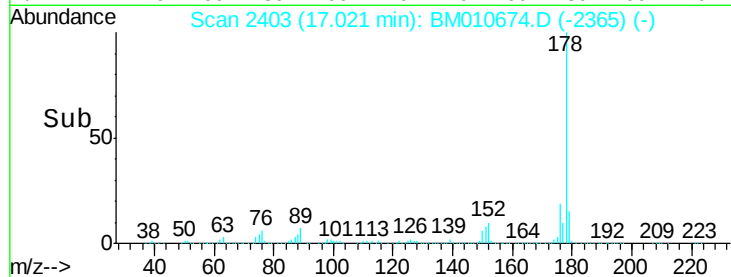
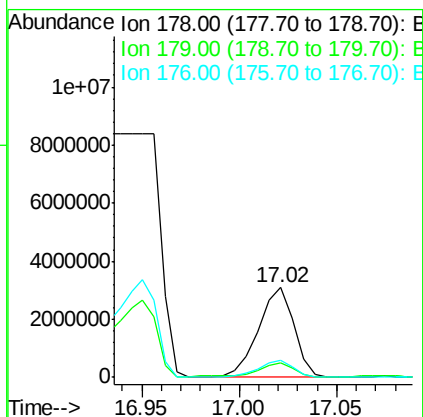
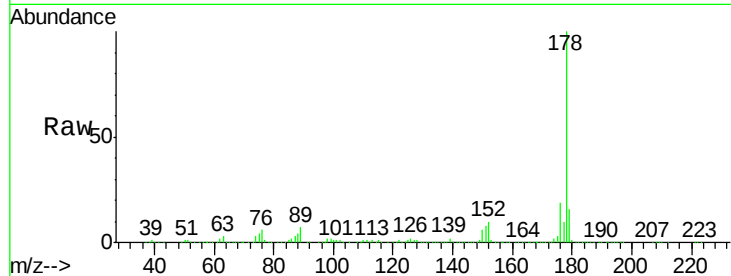




#71
 Anthracene
 Concen: 141.21 ng/ul
 RT: 17.02 min Scan# 2403
 Delta R.T. 0.02 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

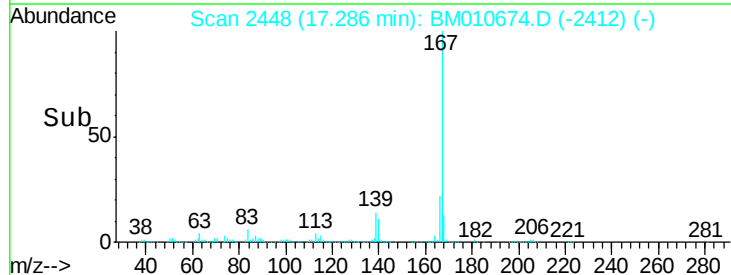
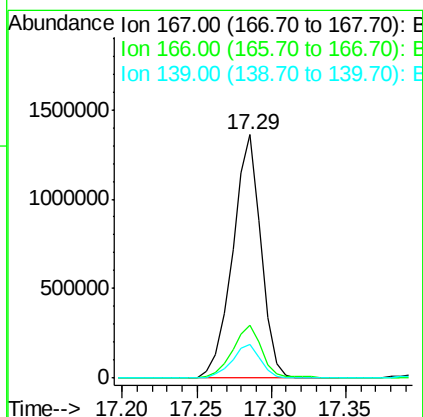
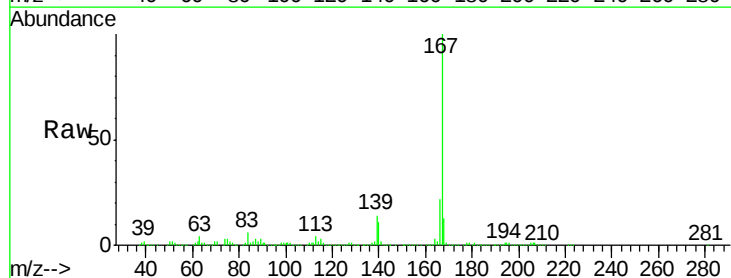
Instrument :
 BNA_M
 ClientSampled :
 F5B22

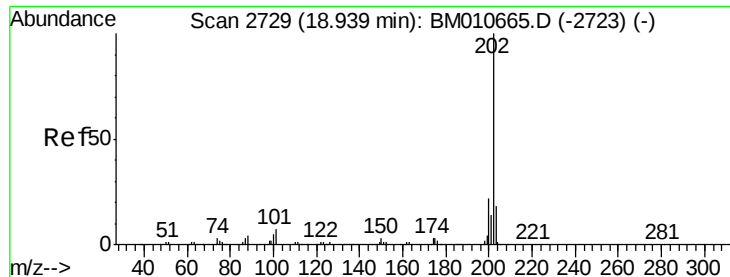
Tgt Ion:178 Resp: 3890000
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 19.1 14.6 21.8



#72
 Carbazole
 Concen: 74.48 ng/ul
 RT: 17.29 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BM010674.D
 Acq: 22 Jun 2017 23:45

Tgt Ion:167 Resp: 1790168
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 14.1 10.0 15.0





#74

Fluoranthene

Concen: 459.78 ng/ul

RT: 18.96 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

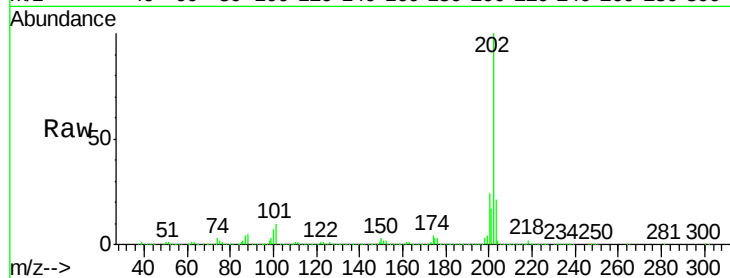
Tgt Ion:202 Resp:15844186

Ion Ratio Lower Upper

202 100

101 10.0 4.6 7.0#

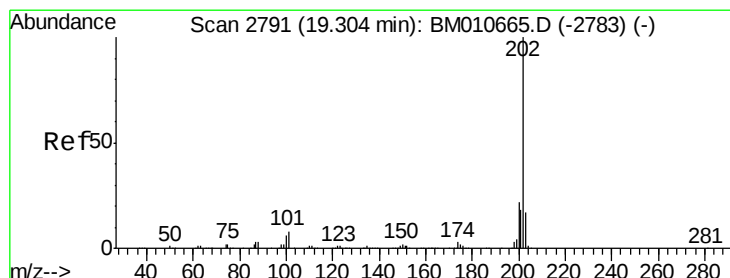
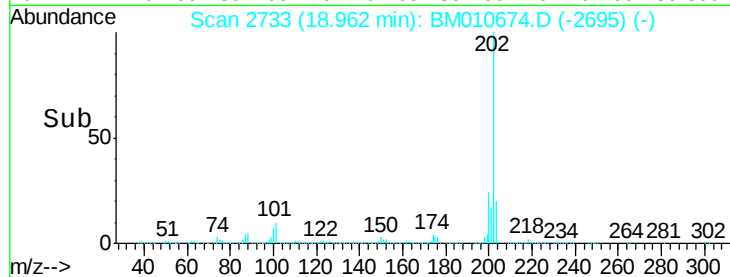
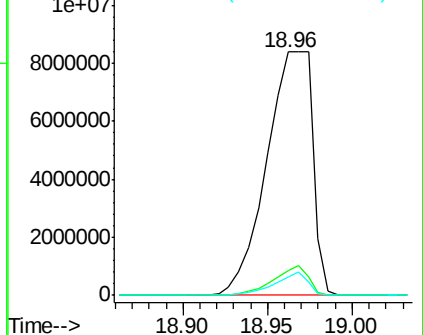
100 7.5 3.4 5.2#



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: 317.38 ng/ul

RT: 19.33 min Scan# 2795

Delta R.T. 0.02 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

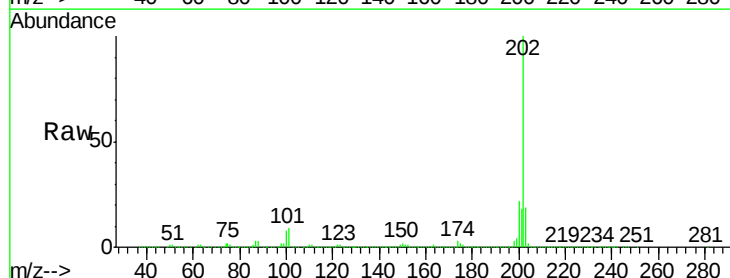
Tgt Ion:202 Resp:11005774

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

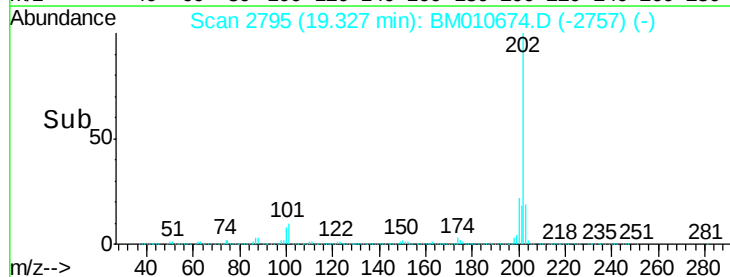
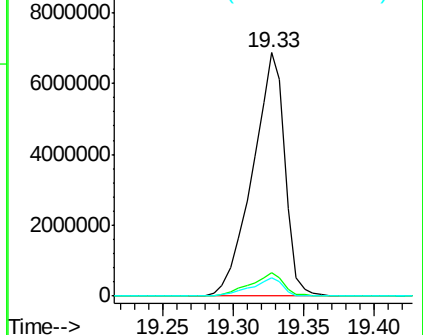
100 7.7 4.9 7.3#

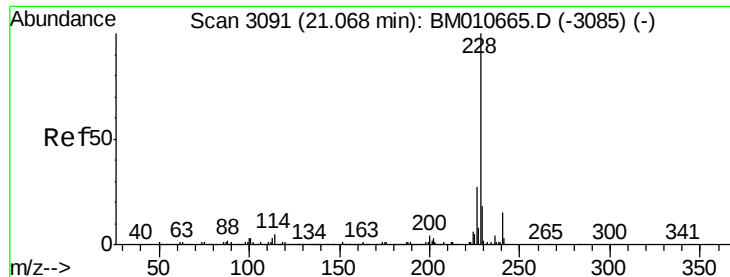


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 93.85 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

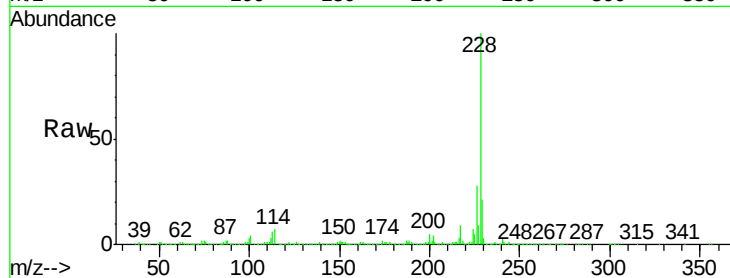
Tgt Ion:228 Resp: 3281150

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

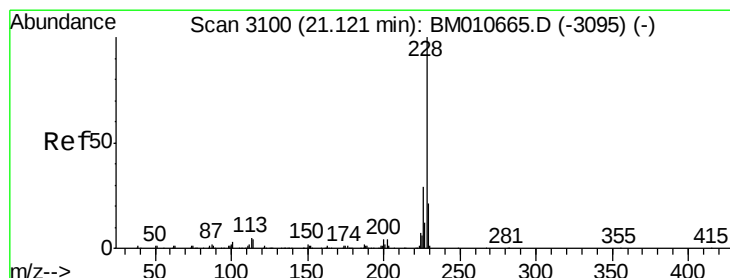
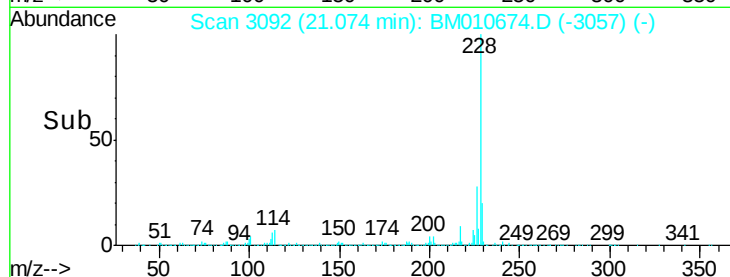
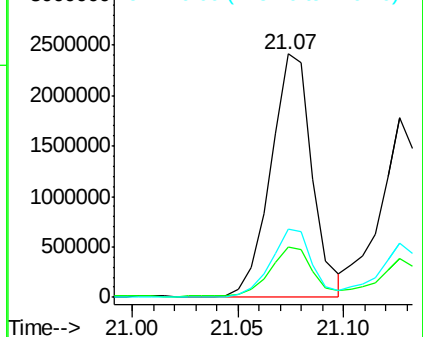
226 27.9 21.4 32.0



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: 73.98 ng/ul

RT: 21.13 min Scan# 3101

Delta R.T. 0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

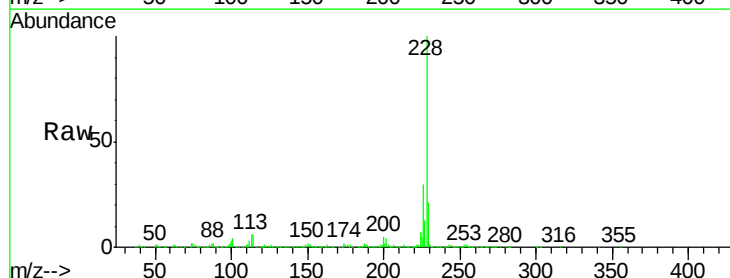
Tgt Ion:228 Resp: 2306051

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

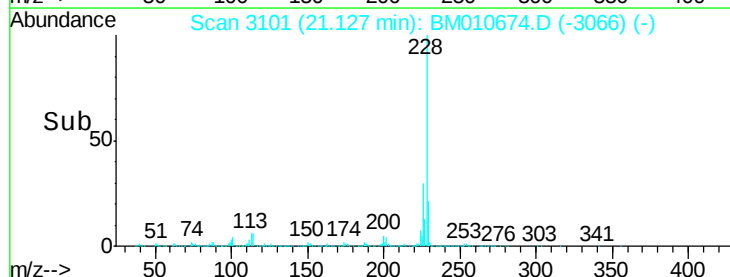
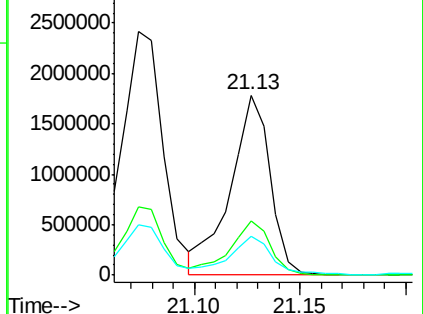
229 21.4 15.5 23.3

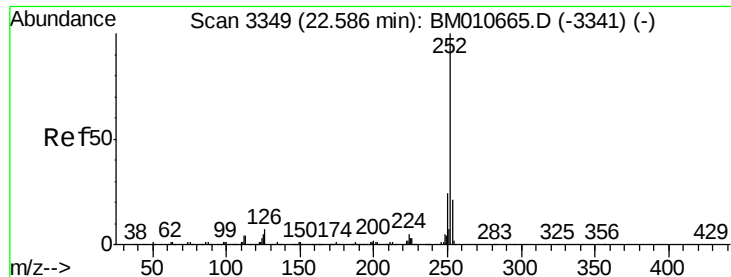


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 49.22 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. 0.01 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

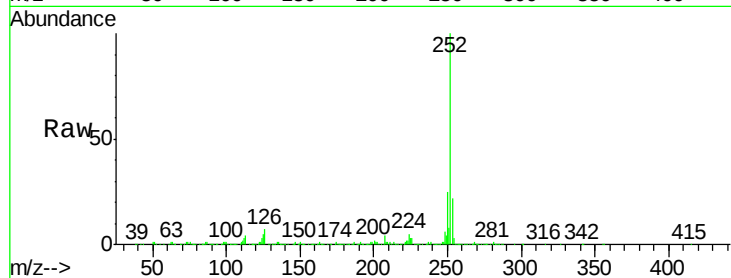
Tgt Ion:252 Resp: 1522271

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

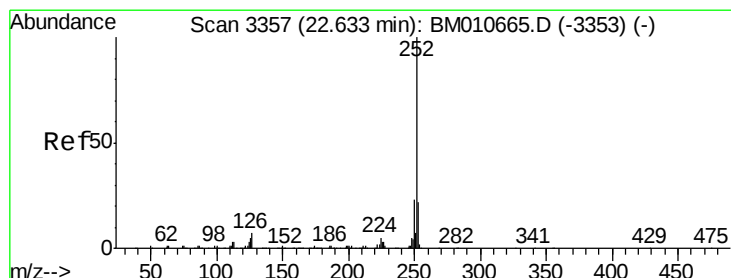
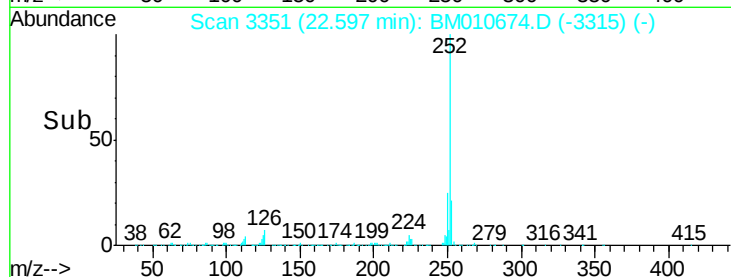
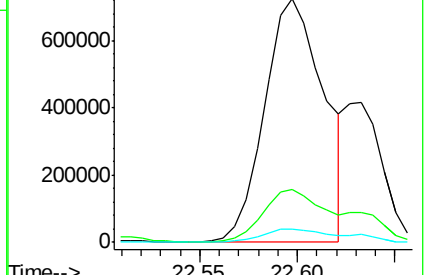
125 5.4 3.6 5.4



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: 51.92 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. -0.04 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

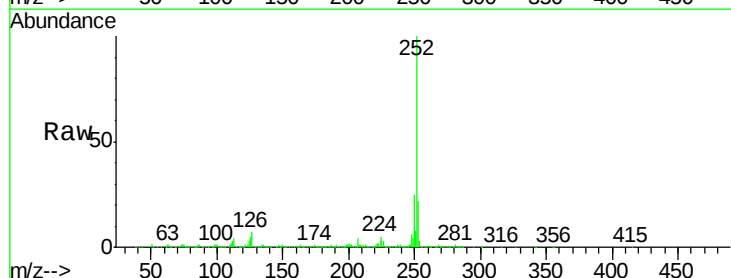
Tgt Ion:252 Resp: 1522271

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

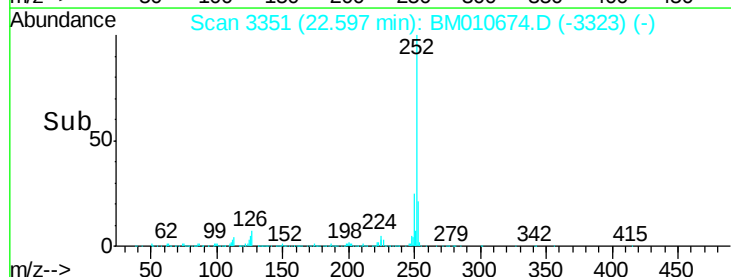
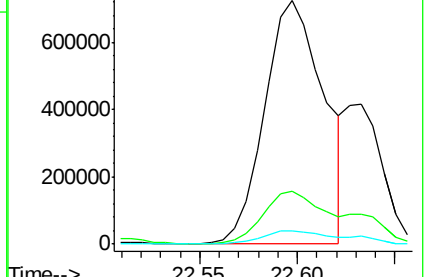
125 5.4 3.4 5.2#

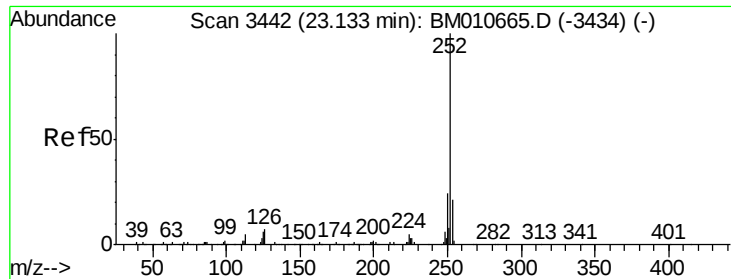


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 30.48 ng/ul

RT: 23.13 min Scan# 3442

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

Instrument :

BNA_M

ClientSampleId :

F5B22

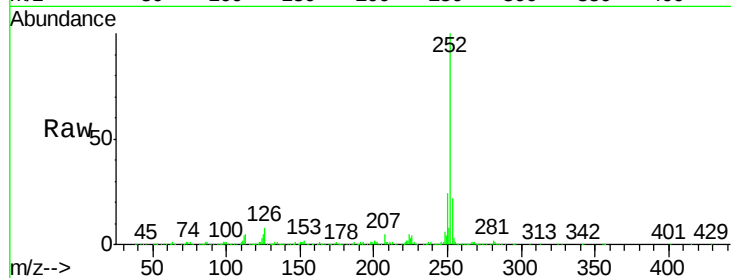
Tgt Ion:252 Resp: 867807

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

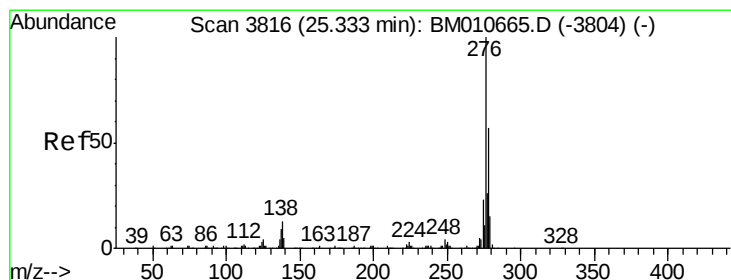
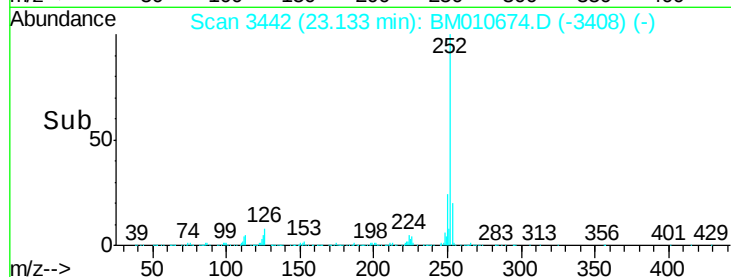
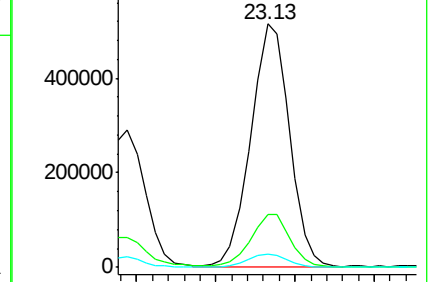
125 5.4 4.0 6.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.30 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.00 min

Lab File: BM010674.D

Acq: 22 Jun 2017 23:45

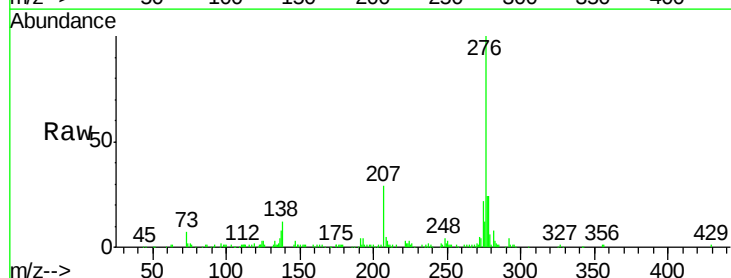
Tgt Ion:276 Resp: 244988

Ion Ratio Lower Upper

276 100

138 11.9 9.3 13.9

277 23.9 19.9 29.9



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

