

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
 Data File : BG025255.D
 Acq On : 17 Dec 2016 1:51
 Operator : UM/SJ
 Sample : H6040-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W4

Quant Time: Dec 17 05:10:41 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	61651	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	251978	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	204374	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	439915	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	562406	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	572446	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	225	0.19	ng/uL	0.07
5) Phenol-d5	7.40	99	73574	13.83	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	45300	13.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	53079	14.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	61706	13.88	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	32106	17.99	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	34328	15.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	65089	15.21	ng/ul	0.02
29) 4-Chloroaniline-d4	11.20	131	93030	22.13	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	228907	16.28	ng/ul	0.01
46) Acenaphthylene-d8	14.56	160	263351	17.10	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	1704	0.71	ng/ul	-0.03
57) Fluorene-d10	15.84	176	283398	21.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	61023	22.43	ng/ul	0.02
70) Anthracene-d10	17.70	188	335060	18.05	ng/ul	0.00
76) Pyrene-d10	19.97	212	394011	17.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	413622	17.83	ng/ul	0.01

Target Compounds

						Qvalue
4) Benzaldehyde	7.35	77	10332	2.58	ng/ul#	1
6) Phenol	7.42	94	28859	5.29	ng/ul#	69
11) 2-Methylphenol	8.68	108	120353	29.94	ng/ul	87
14) Acetophenone	9.07	105	22063	3.26	ng/ul#	89
16) 4-Methylphenol	9.02	108	333123	74.50	ng/ul	95
17) Hexachloroethane	9.35	117	18997	11.47	ng/ul#	1
24) 2,4-Dimethylphenol	10.23	107	440424	85.35	ng/ul	97
27) 2,4-Dichlorophenol	10.68	162	34296	8.26	ng/ul#	34
28) Naphthalene	11.11	128	426069	36.38	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	476937	51.60	ng/ul	93
40) 1,1'-Biphenyl	13.69	154	109164	8.81	ng/ul	98
44) Dimethylphthalate	14.30	163	66844	4.84	ng/ul#	98
47) Acenaphthylene	14.59	152	16991	1.13	ng/ul#	38
49) Acenaphthene	14.93	153	35601	3.47	ng/ul#	77
53) Dibenzofuran	15.26	168	119248	7.35	ng/ul	98
58) Fluorene	15.90	166	175634	13.30	ng/ul#	91
64) N-Nitrosodiphenylamine	16.11	169	25329	2.24	ng/ul#	82
69) Phenanthrene	17.65	178	186673	8.89	ng/ul#	93
71) Anthracene	17.74	178	56375	2.61	ng/ul#	79
72) Carbazole	18.02	167	30455	1.69	ng/ul#	65
74) Fluoranthene	19.64	202	46363	1.86	ng/ul#	78
77) Pyrene	20.00	202	75665	2.80	ng/ul#	95

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Sample : H6040-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W4

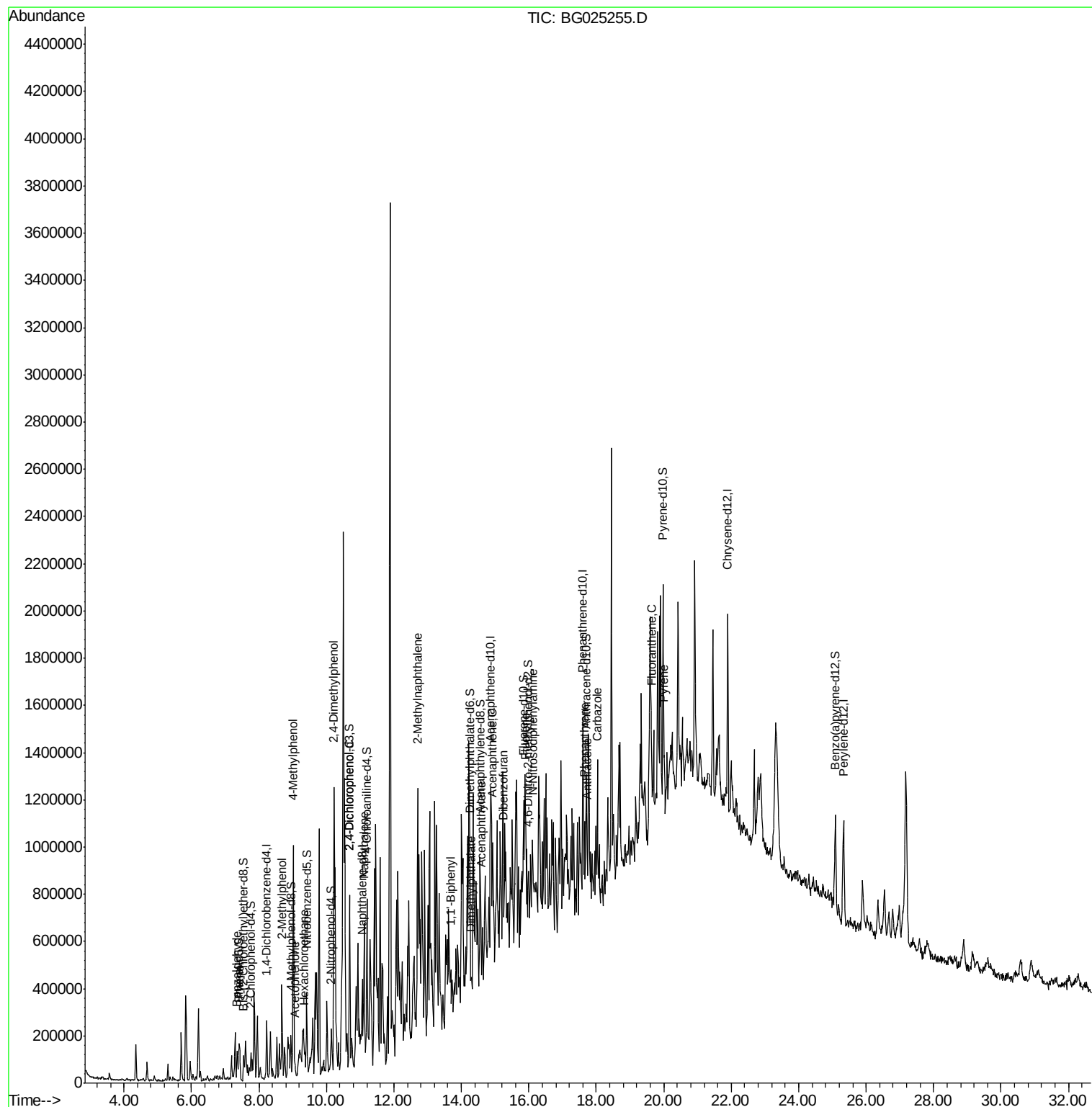
Quant Time: Dec 17 05:10:41 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

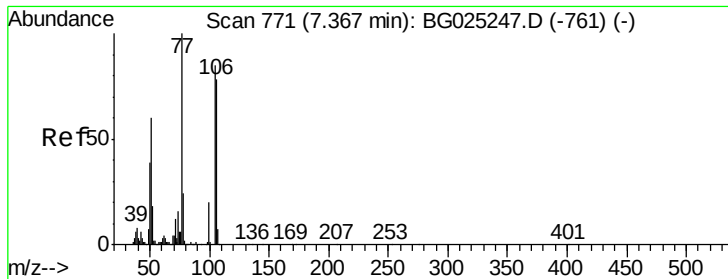
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
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#4

Benzaldehyde

Concen: 2.58 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

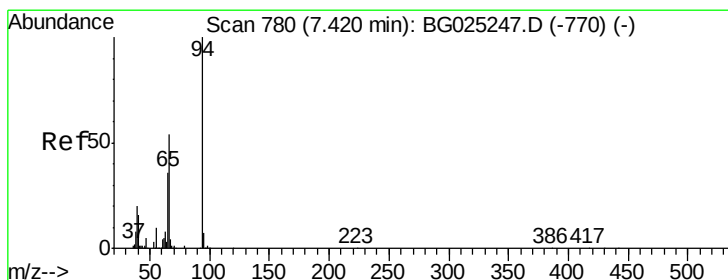
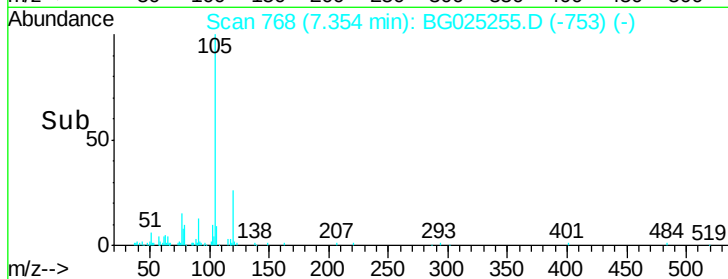
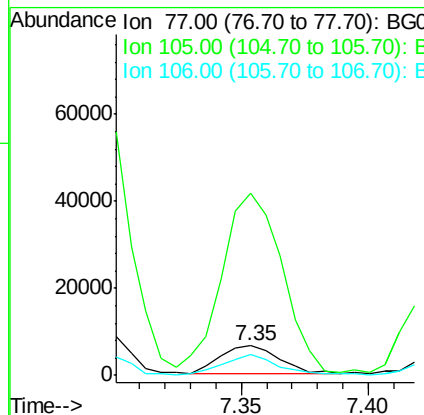
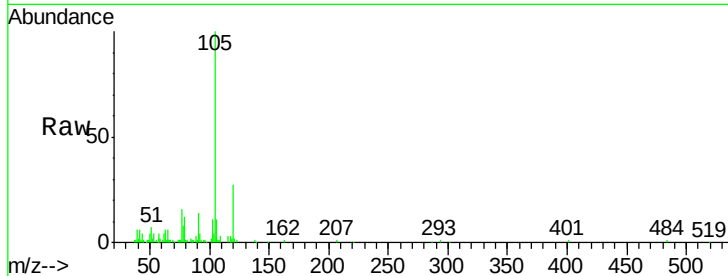
BNA_G

ClientSampleId :

DA8W4

Tgt Ion: 77 Resp: 10332

Ion	Ratio	Lower	Upper
77	100		
105	616.5	62.0	93.0#
106	70.5	60.2	90.4



#6

Phenol

Concen: 5.29 ng/ul

RT: 7.42 min Scan# 780

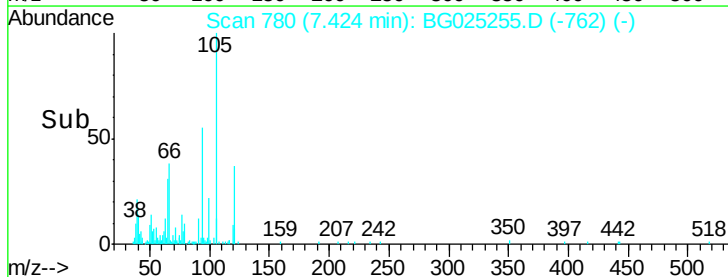
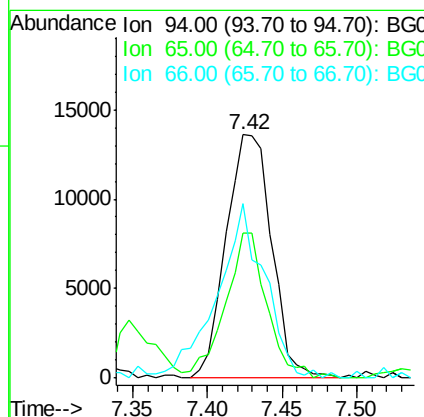
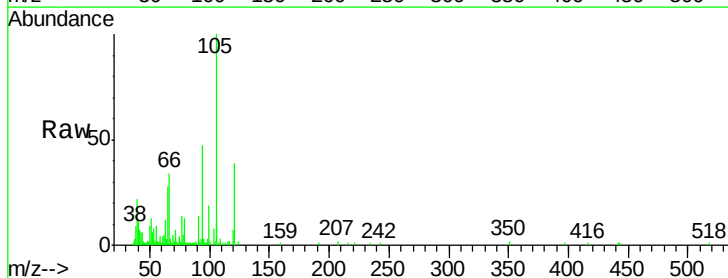
Delta R.T. 0.00 min

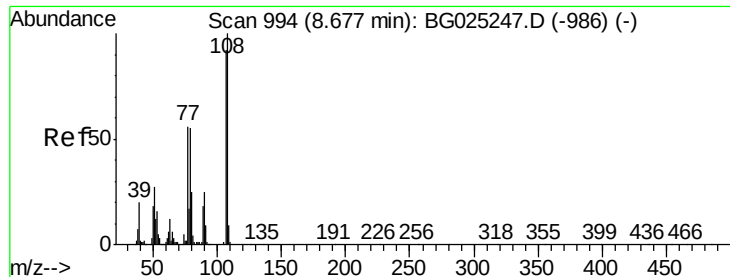
Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Tgt Ion: 94 Resp: 28859

Ion	Ratio	Lower	Upper
94	100		
65	59.6	26.8	40.2#
66	71.9	44.4	66.6#

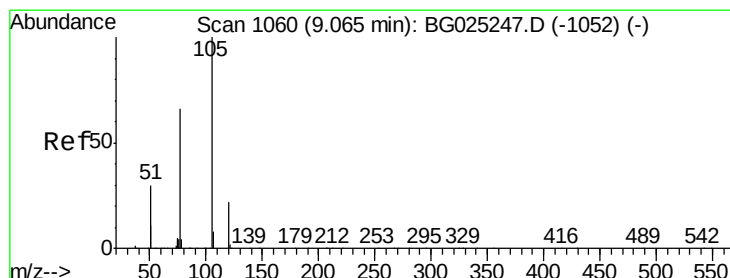
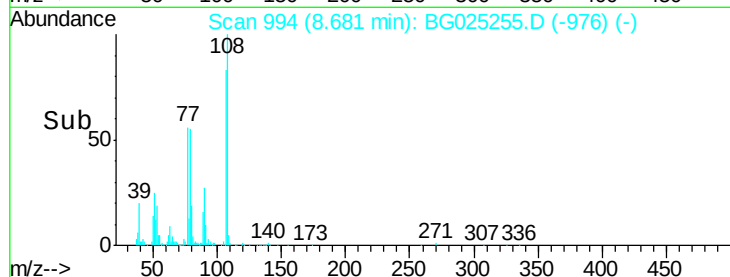
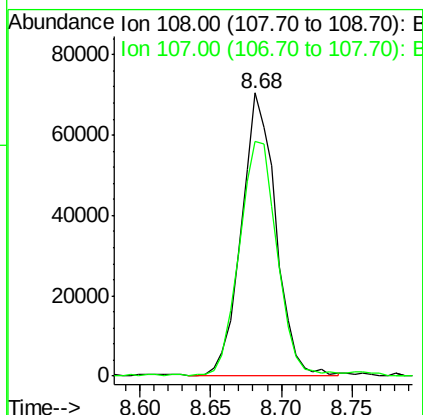
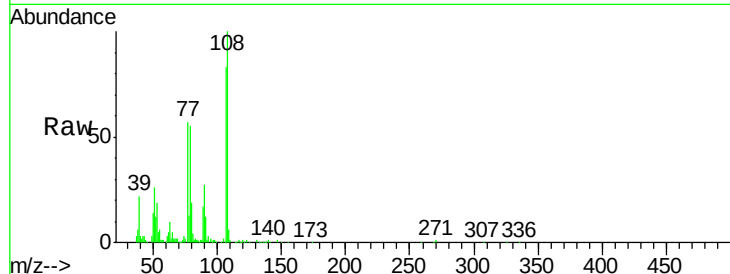




#11
2-Methylphenol
Concen: 29.94 ng/ul
RT: 8.68 min Scan# 994
Delta R.T. 0.00 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

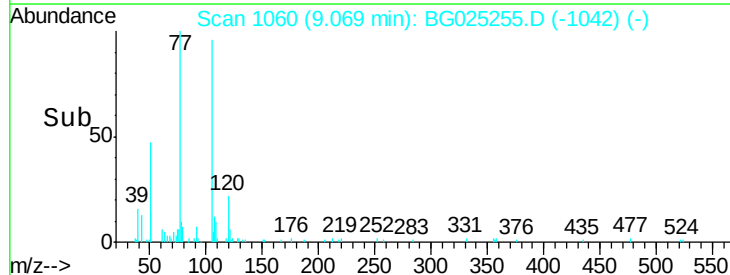
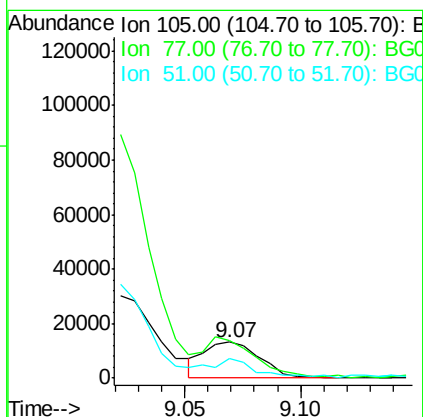
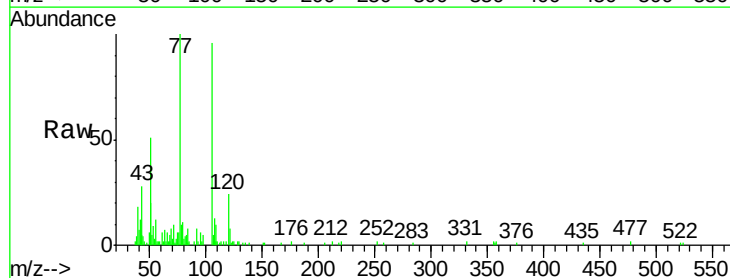
Instrument :
BNA_G
ClientSampleId :
DA8W4

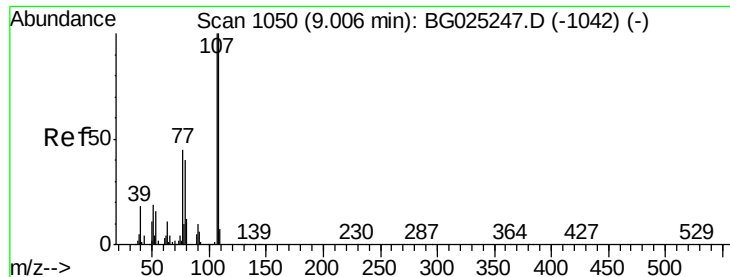
Tgt Ion:108 Resp: 120353
Ion Ratio Lower Upper
108 100
107 83.0 76.7 115.1



#14
Acetophenone
Concen: 3.26 ng/ul
RT: 9.07 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

Tgt Ion:105 Resp: 22063
Ion Ratio Lower Upper
105 100
77 103.9 76.0 114.0
51 53.2 34.8 52.2#





#16

4-Methylphenol

Concen: 74.50 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

BNA_G

ClientSampleId :

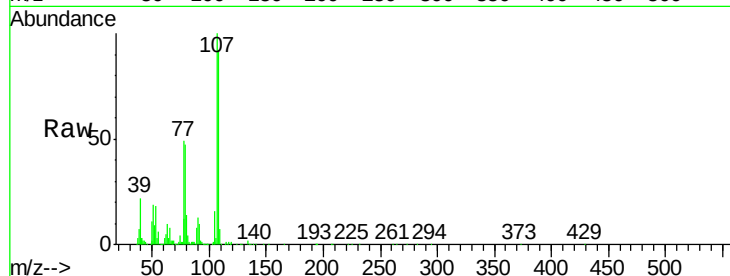
DA8W4

Tgt Ion:108 Resp: 333123

Ion Ratio Lower Upper

108 100

107 108.9 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

200000

150000

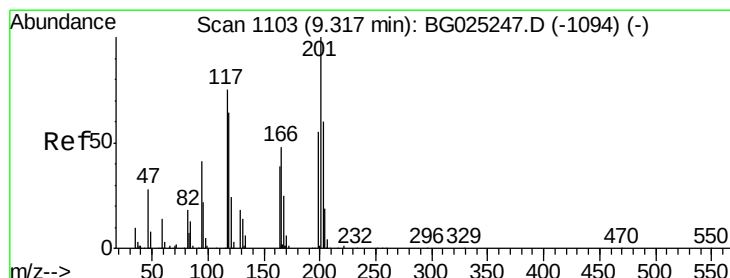
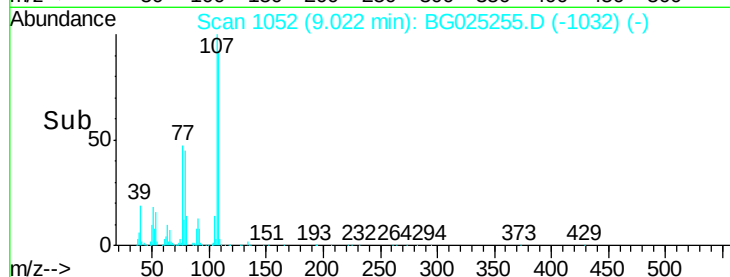
100000

50000

0

8.95 9.00 9.05 9.10

Time-->



#17

Hexachloroethane

Concen: 11.47 ng/ul

RT: 9.35 min Scan# 1107

Delta R.T. 0.03 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

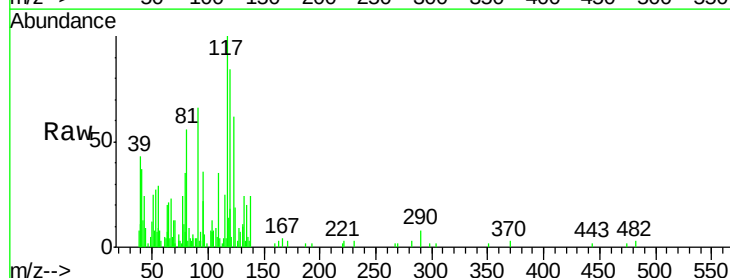
Tgt Ion:117 Resp: 18997

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

199 0.0 64.3 96.5#



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

30000

25000

20000

15000

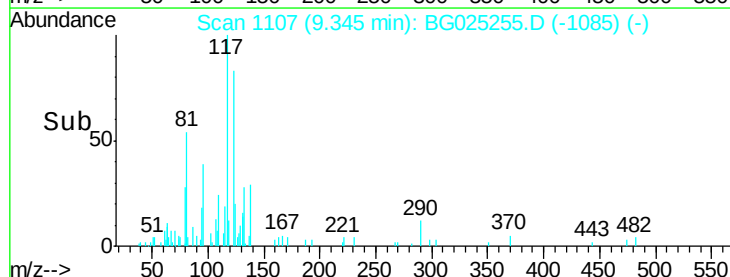
10000

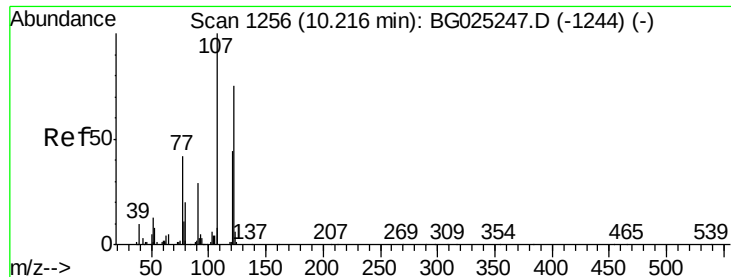
5000

0

9.30 9.35 9.40

Time-->

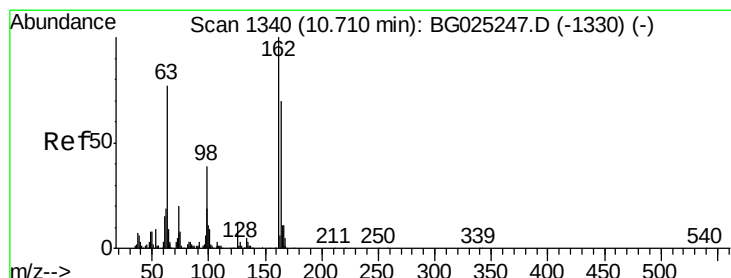
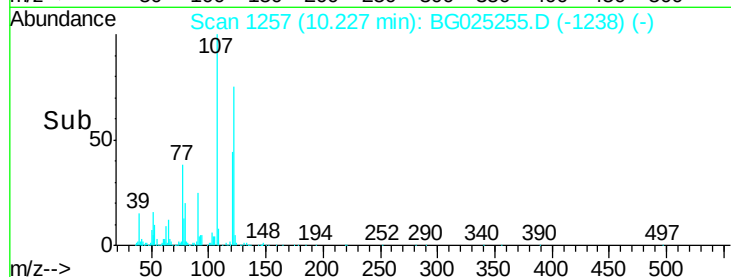
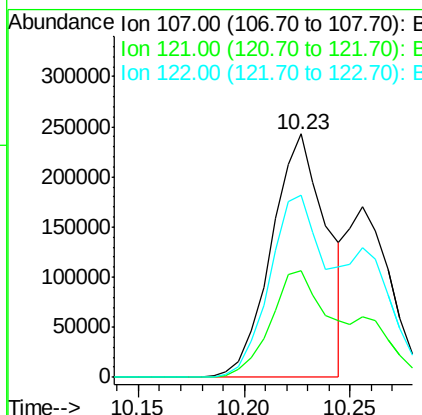
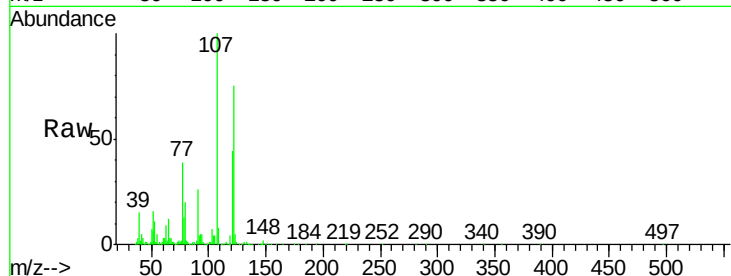




#24
2,4-Dimethylphenol
Concen: 85.35 ng/ul
RT: 10.23 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

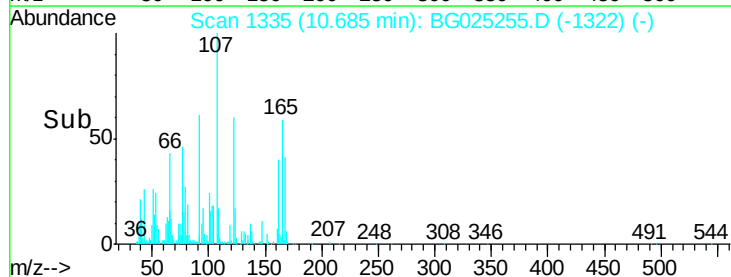
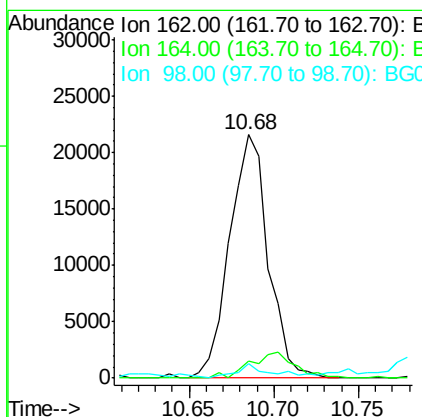
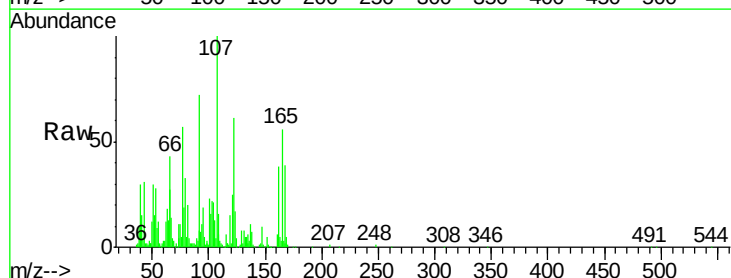
Instrument :
BNA_G
ClientSampleId :
DA8W4

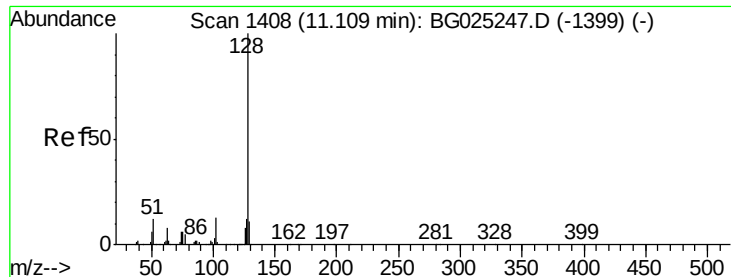
Tgt Ion	Ratio	Lower	Upper
107	100		
121	44.1	32.3	48.5
122	75.0	61.2	91.8



#27
2,4-Dichlorophenol
Concen: 8.26 ng/ul
RT: 10.68 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

Tgt Ion	Ratio	Lower	Upper
162	100		
164	7.0	50.8	76.2#
98	6.1	32.1	48.1#

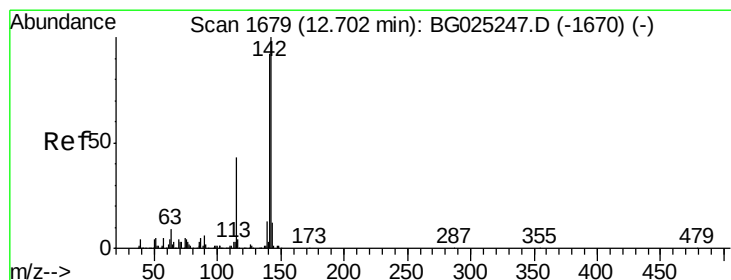
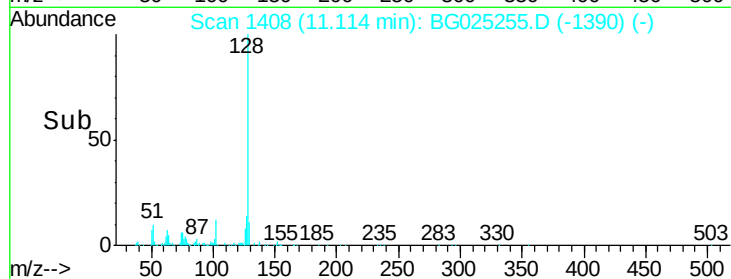
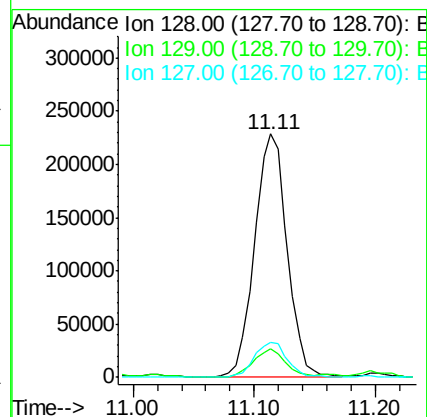
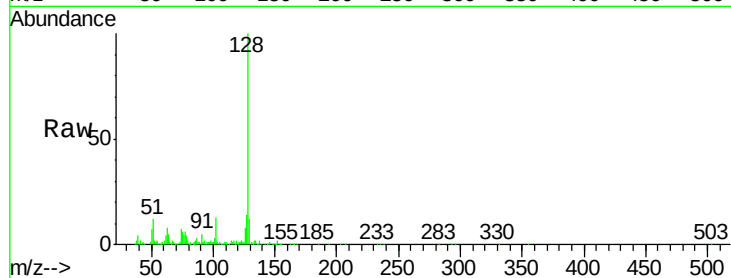




#28
Naphthalene
Concen: 36.38 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

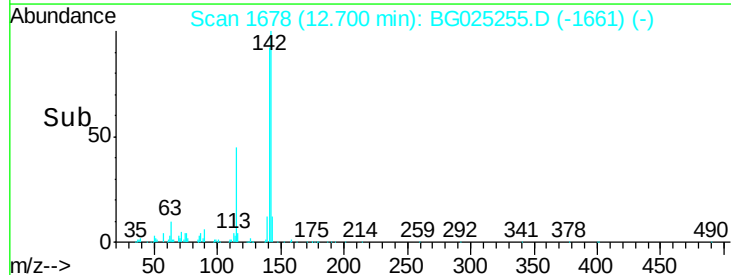
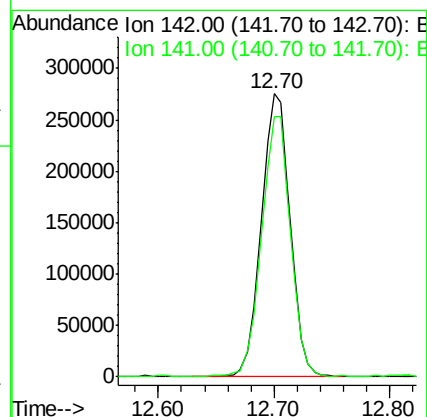
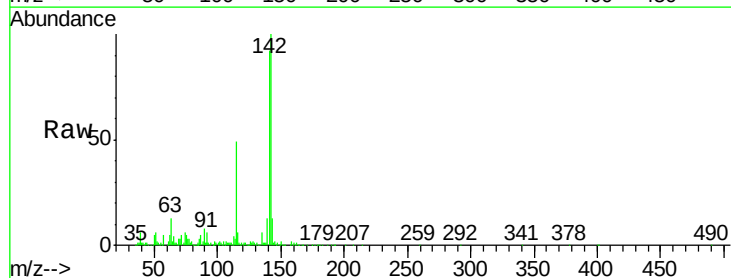
Instrument :
BNA_G
ClientSampleId :
DA8W4

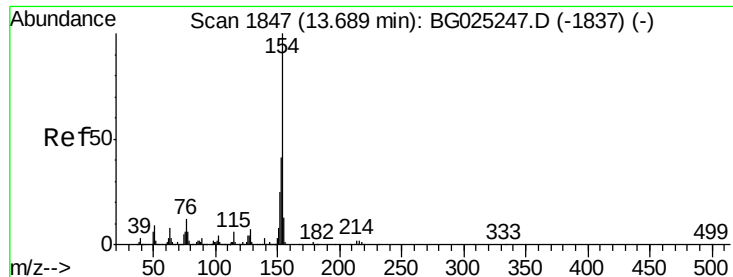
Tgt Ion:128 Resp: 426069
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 14.4 10.3 15.5



#34
2-Methylnaphthalene
Concen: 51.60 ng/ul
RT: 12.70 min Scan# 1678
Delta R.T. -0.00 min
Lab File: BG025255.D
Acq: 17 Dec 2016 1:51

Tgt Ion:142 Resp: 476937
Ion Ratio Lower Upper
142 100
141 91.9 68.6 102.8





#40

1,1'-Biphenyl

Concen: 8.81 ng/ul

RT: 13.69 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

BNA_G

ClientSampleId :

DA8W4

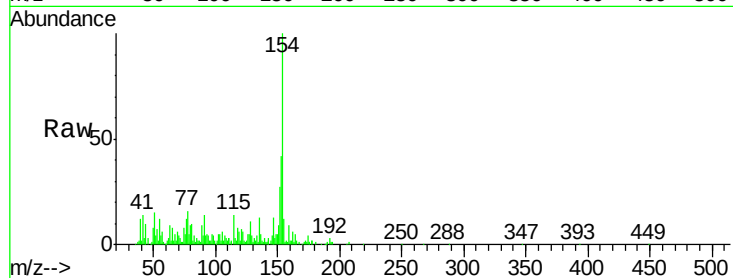
Tgt Ion:154 Resp: 109164

Ion Ratio Lower Upper

154 100

153 41.9 32.2 48.2

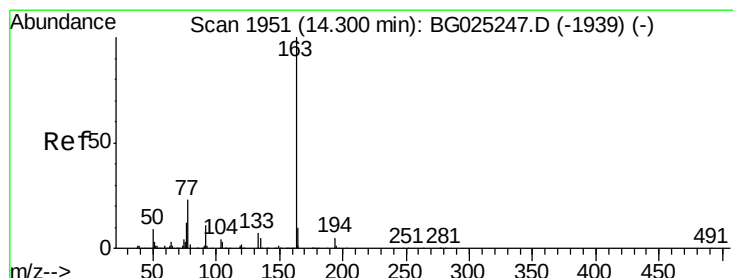
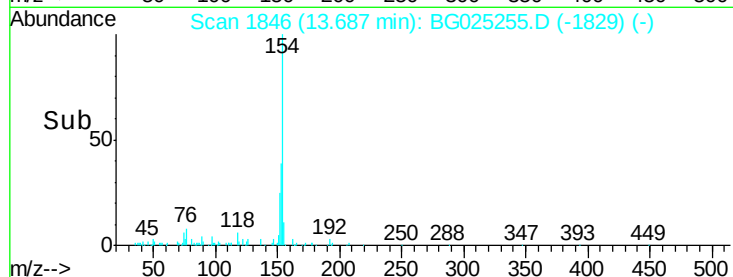
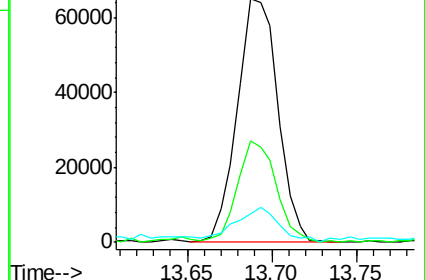
76 11.8 9.6 14.4



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): BGC



#44

Dimethylphthalate

Concen: 4.84 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

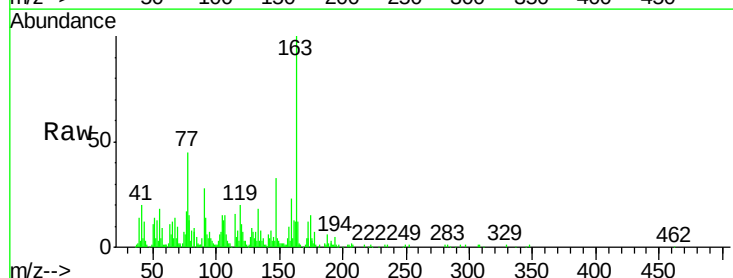
Tgt Ion:163 Resp: 66844

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.0#

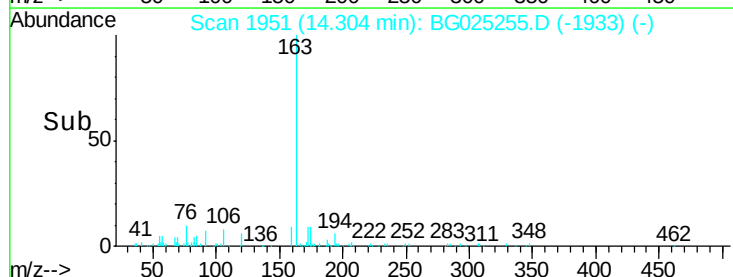
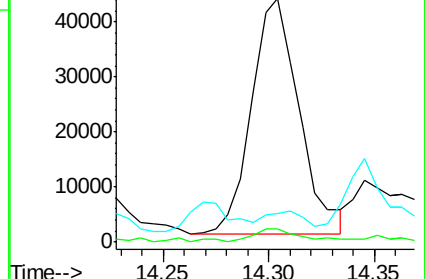
164 11.6 9.0 13.4

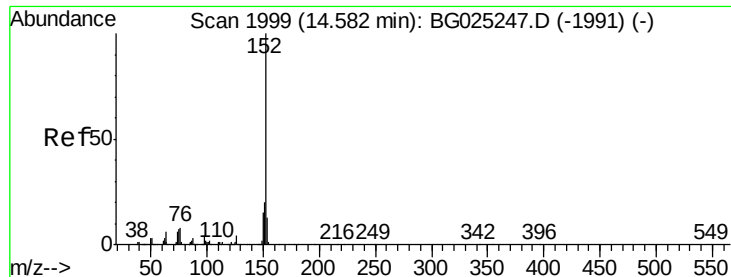


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.13 ng/ul

RT: 14.59 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

BNA_G

ClientSampleId :

DA8W4

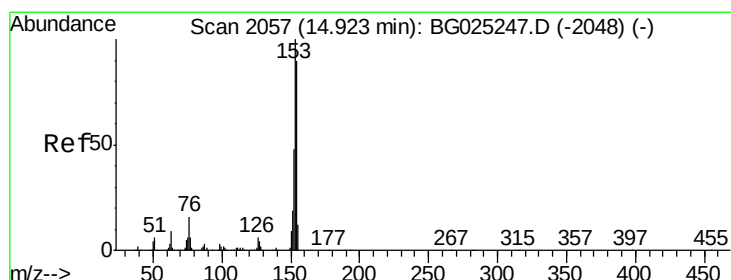
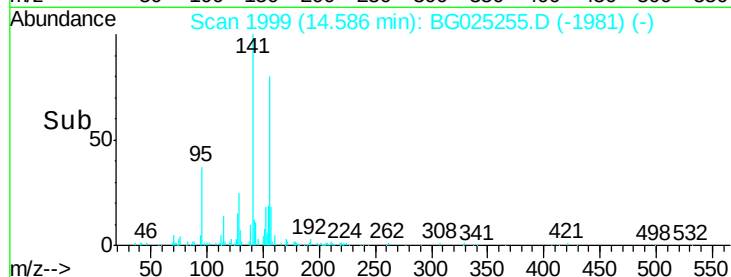
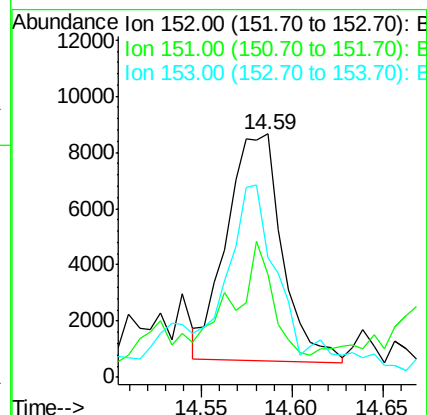
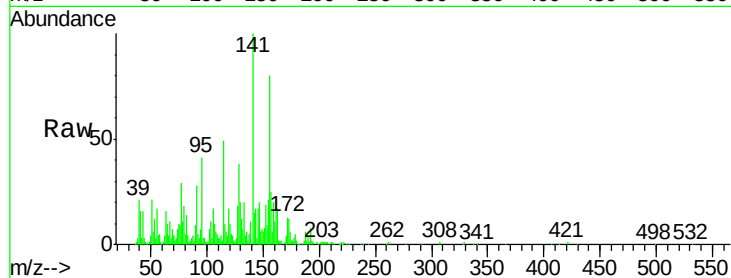
Tgt Ion:152 Resp: 16991

Ion Ratio Lower Upper

152 100

151 42.1 16.7 25.1#

153 49.3 11.4 17.2#



#49

Acenaphthene

Concen: 3.47 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

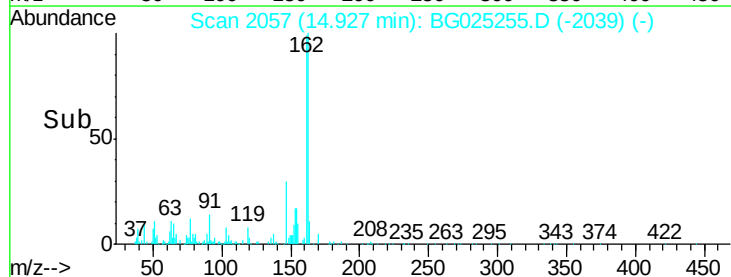
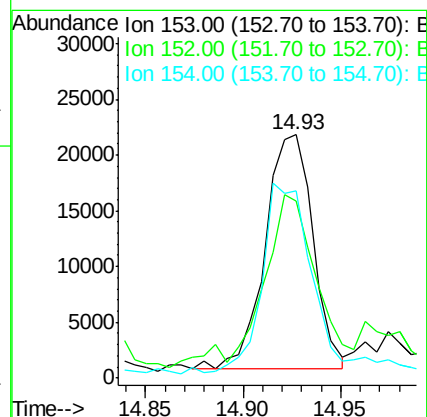
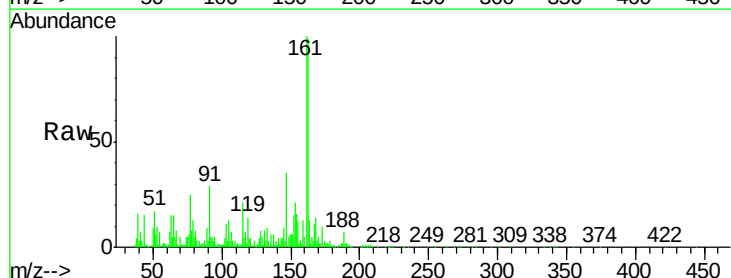
Tgt Ion:153 Resp: 35601

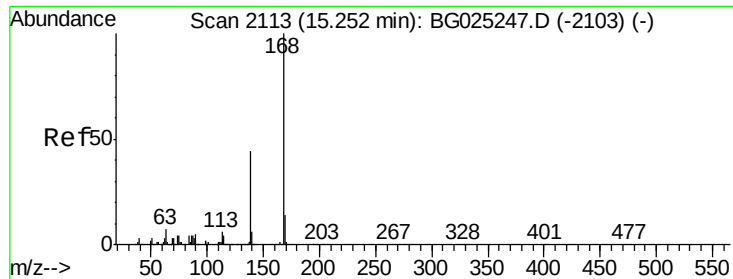
Ion Ratio Lower Upper

153 100

152 72.5 36.5 54.7#

154 77.2 72.3 108.5





#53

Dibenzenofuran

Concen: 7.35 ng/ul

RT: 15.26 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

BNA_G

ClientSampleId :

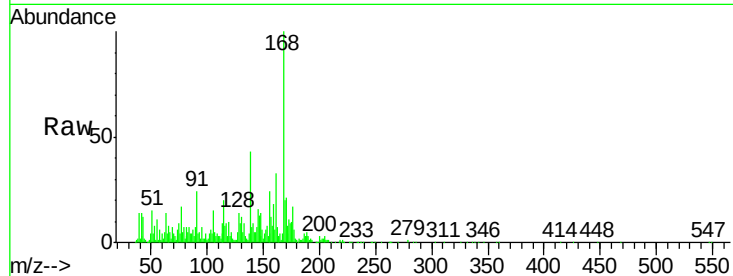
DA8W4

Tgt Ion:168 Resp: 119248

Ion Ratio Lower Upper

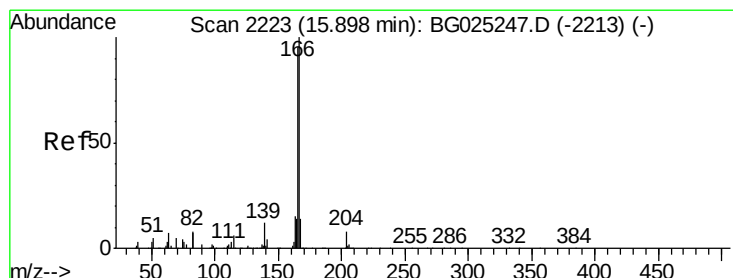
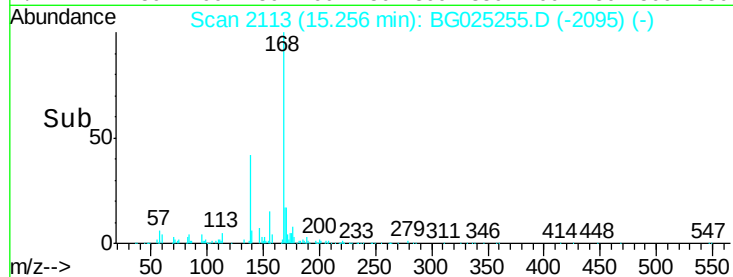
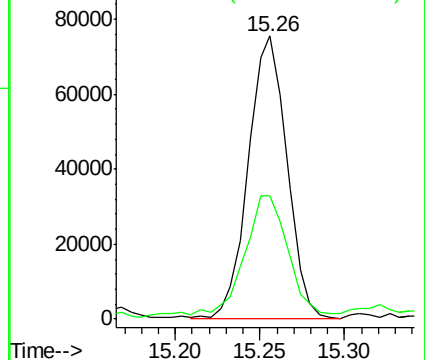
168 100

139 43.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 13.30 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

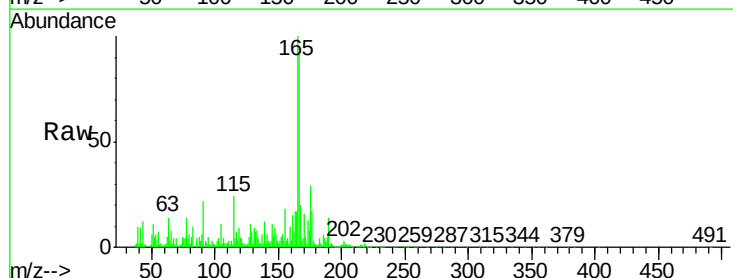
Tgt Ion:166 Resp: 175634

Ion Ratio Lower Upper

166 100

165 107.7 79.7 119.5

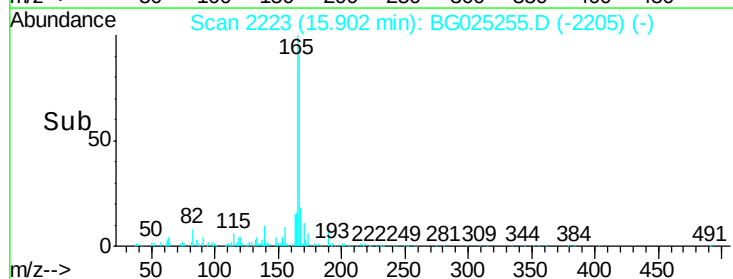
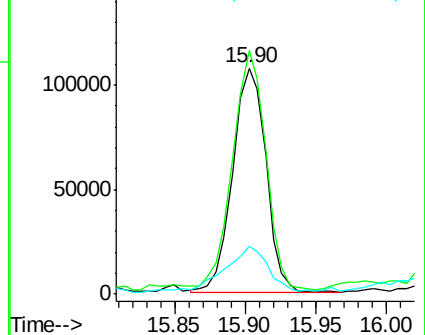
167 21.3 11.4 17.2#

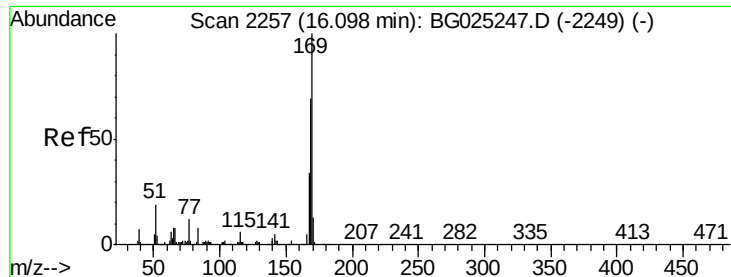


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.24 ng/ul

RT: 16.11 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Instrument :

BNA_G

ClientSampled :

DA8W4

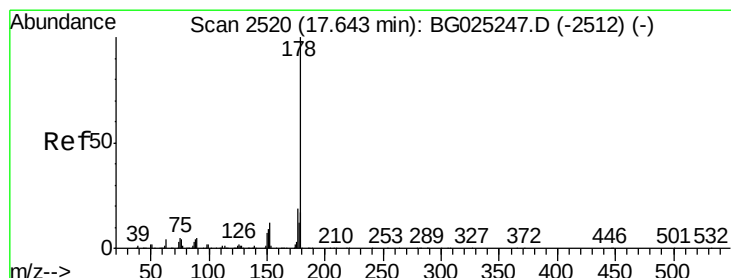
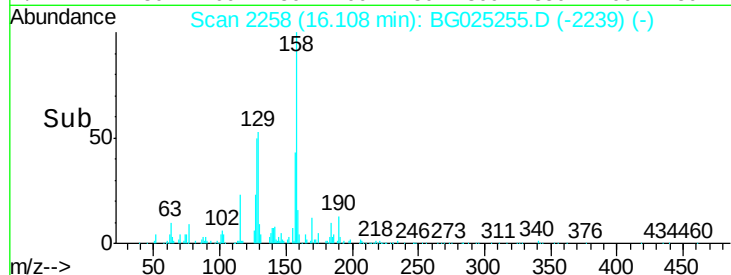
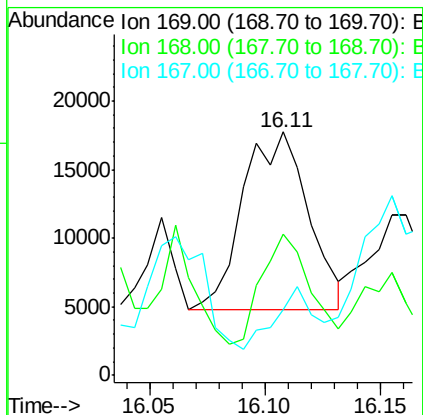
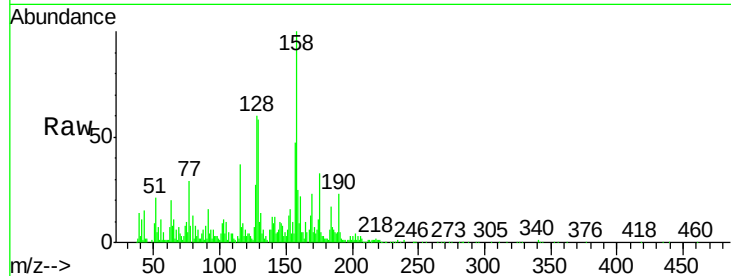
Tgt Ion:169 Resp: 25329

Ion Ratio Lower Upper

169 100

168 57.8 59.1 88.7#

167 26.9 29.7 44.5#



#69

Phenanthrene

Concen: 8.89 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

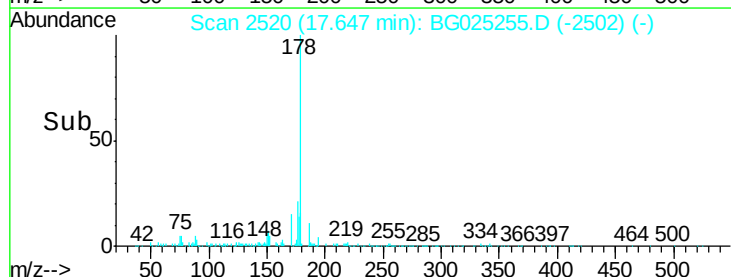
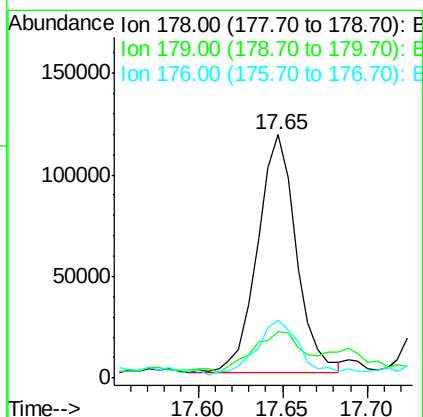
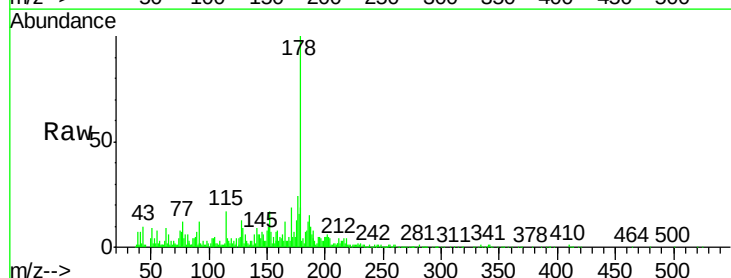
Tgt Ion:178 Resp: 186673

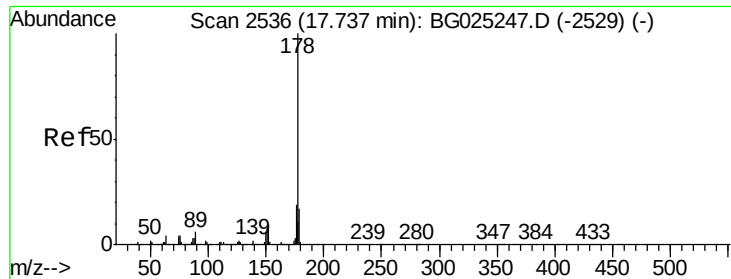
Ion Ratio Lower Upper

178 100

179 19.2 12.4 18.6#

176 23.6 16.5 24.7

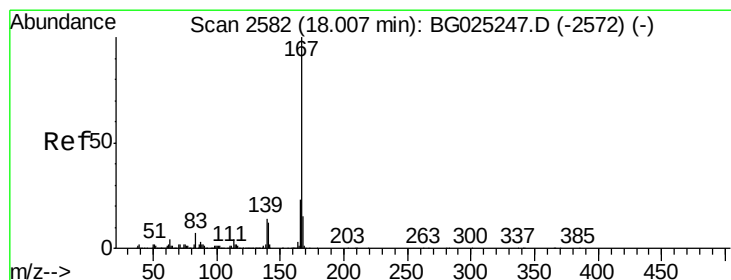
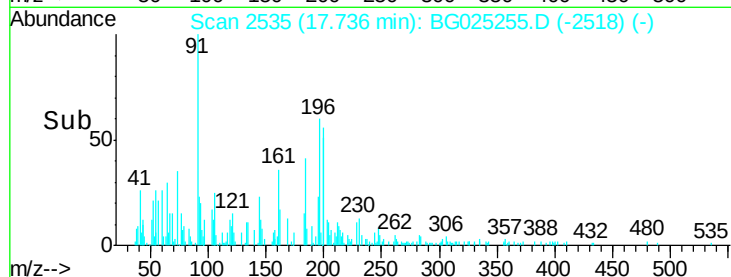
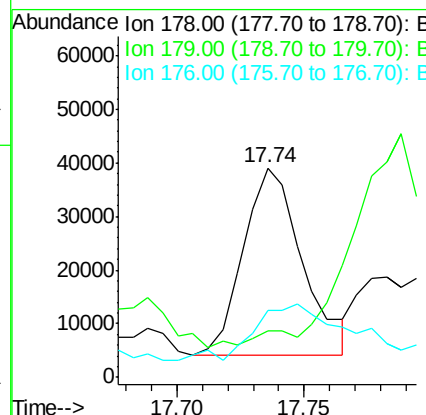
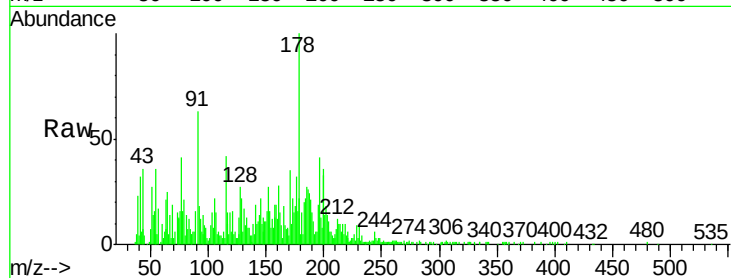




#71
 Anthracene
 Concen: 2.61 ng/ul
 RT: 17.74 min Scan# 2535
 Delta R.T. -0.00 min
 Lab File: BG025255.D
 Acq: 17 Dec 2016 1:51

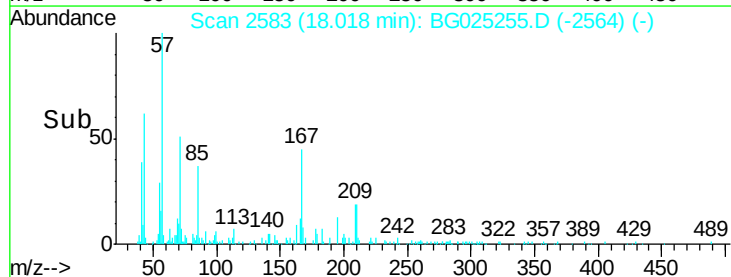
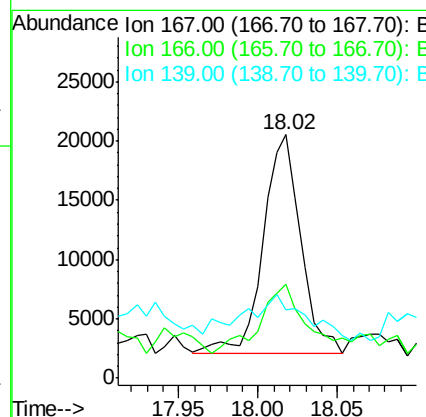
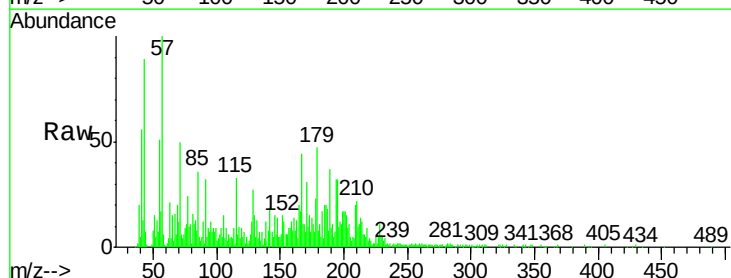
Instrument :
 BNA_G
 ClientSampleId :
 DA8W4

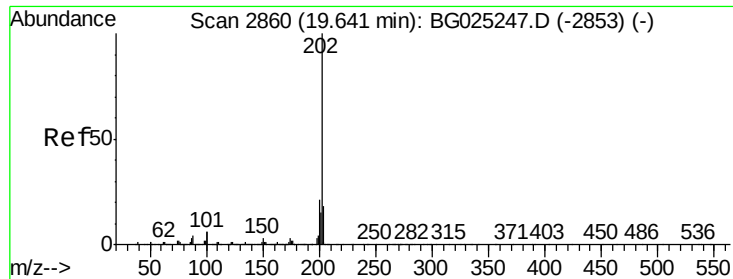
Tgt Ion:178 Resp: 56375
 Ion Ratio Lower Upper
 178 100
 179 22.0 12.6 19.0#
 176 31.9 15.9 23.9#



#72
 Carbazole
 Concen: 1.69 ng/ul
 RT: 18.02 min Scan# 2583
 Delta R.T. 0.01 min
 Lab File: BG025255.D
 Acq: 17 Dec 2016 1:51

Tgt Ion:167 Resp: 30455
 Ion Ratio Lower Upper
 167 100
 166 38.4 17.9 26.9#
 139 27.9 10.5 15.7#





#74

Fluoranthene

Concen: 1.86 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

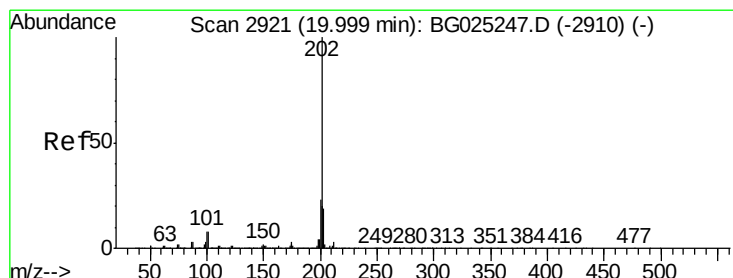
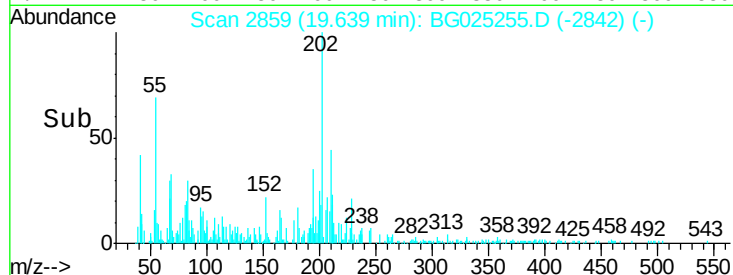
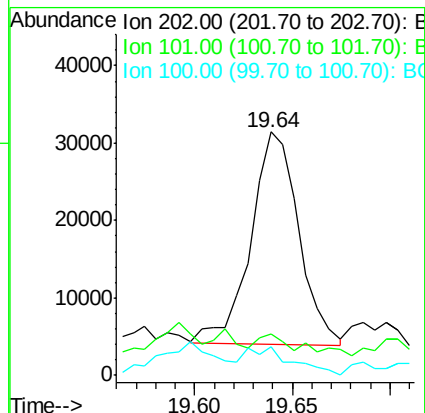
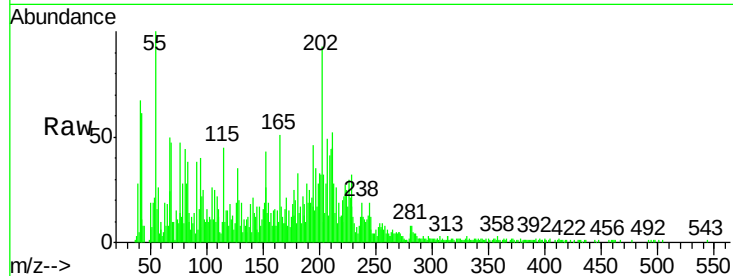
Instrument :

BNA_G

ClientSampleId :

DA8W4

Tgt Ion:	202	Resp:	46363
Ion Ratio	Lower	Upper	
202	100		
101	17.0	6.2	9.2#
100	11.9	5.2	7.8#



#77

Pyrene

Concen: 2.80 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. 0.00 min

Lab File: BG025255.D

Acq: 17 Dec 2016 1:51

Tgt Ion:	202	Resp:	75665
Ion Ratio	Lower	Upper	
202	100		
101	10.6	6.9	10.3#
100	9.9	6.6	10.0

