

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
 Data File : BG025066.D
 Acq On : 10 Dec 2016 13:22
 Operator : UM/SJ
 Sample : H5861-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 12 02:47:56 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 12 02:45:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	74524	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	340289	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	288072	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	673066	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	837565	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	821023	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	9907	6.87	ng/uL	0.00
5) Phenol-d5	7.38	99	215550	33.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	150322	37.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	152125	33.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	200550	37.33	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	83410	34.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	106094	35.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	195216	33.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	270861	47.70	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	839661	42.37	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	843379	38.86	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	146901	43.14	ng/ul	0.00
57) Fluorene-d10	15.85	176	694870	37.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	186663	44.85	ng/ul	0.00
70) Anthracene-d10	17.70	188	1148596	40.43	ng/ul	0.00
76) Pyrene-d10	19.98	212	1477755	42.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1419425	42.67	ng/ul	0.00

Target Compounds

						Ovalue
8) Bis(2-Chloroethyl)ether	7.64	93	93429	19.35	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.76	45	157925	19.23	ng/ul	95
16) 4-Methylphenol	9.00	108	257653	47.67	ng/ul#	76
17) Hexachloroethane	9.33	117	119357	59.61	ng/ul	95
20) Nitrobenzene	9.46	77	149447	20.18	ng/ul#	97
23) 2-Nitrophenol	10.18	139	118777	38.98	ng/ul	95
24) 2,4-Dimethylphenol	10.22	107	192056	27.56	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.45	93	145118	20.32	ng/ul	93
27) 2,4-Dichlorophenol	10.71	162	147597	26.31	ng/ul	96
30) 4-Chloroaniline	11.23	127	414769	71.46	ng/ul	93
34) 2-Methylnaphthalene	12.71	142	321624	25.76	ng/ul	94
37) Hexachlorocyclopentadiene	13.03	237	273863	53.73	ng/ul	93
38) 2,4,6-Trichlorophenol	13.30	196	111852	20.51	ng/ul	91
39) 2,4,5-Trichlorophenol	13.30	196	98168	16.42	ng/ul	99
41) 2-Chloronaphthalene	13.75	162	230729	16.60	ng/ul	99
42) 2-Nitroaniline	13.96	65	423780	77.87	ng/ul	95
44) Dimethylphthalate	14.30	163	697177	35.80	ng/ul#	98
45) 2,6-Dinitrotoluene	14.44	165	70429	16.83	ng/ul	91
48) 3-Nitroaniline	14.78	138	275455	76.01	ng/ul#	92
50) 2,4-Dinitrophenol	14.98	184	226891	83.45	ng/ul	94
52) 4-Nitrophenol	15.07	109	328870	80.29	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.88	204	171077	16.32	ng/ul	88
60) 4-Nitroaniline	15.93	138	192821	44.12	ng/ul	94

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 12 02:47:56 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 02:45:07 2016
Response via : Initial Calibration

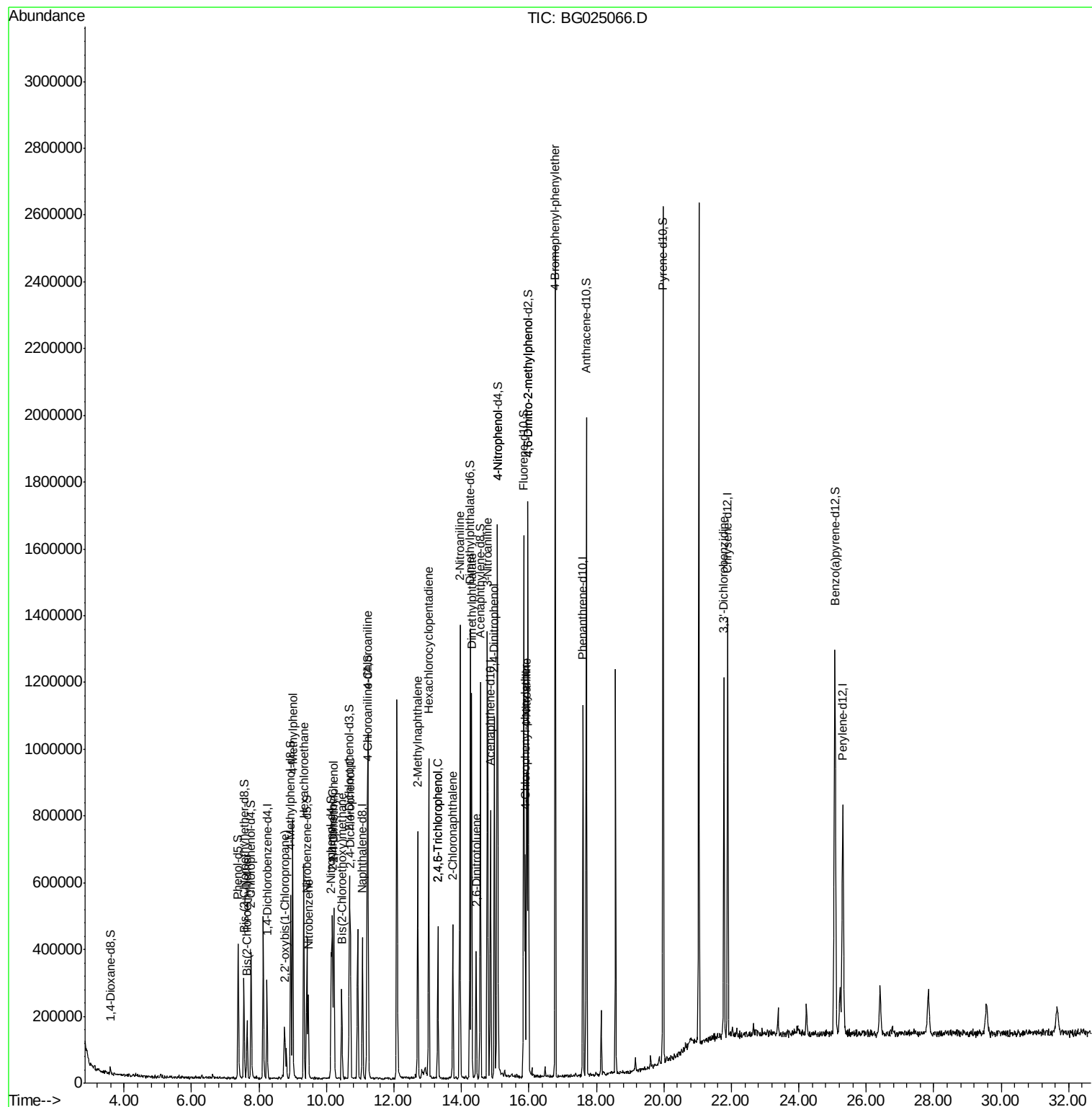
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 4,6-Dinitro-2-methylphenol	15.98	198	303188	70.33	ng/ul#	96
65) 4-Bromophenyl-phenylether	16.78	248	510210	67.11	ng/ul	95
79) 3,3'-Dichlorobenzidine	21.78	252	434079	29.73	ng/ul	94

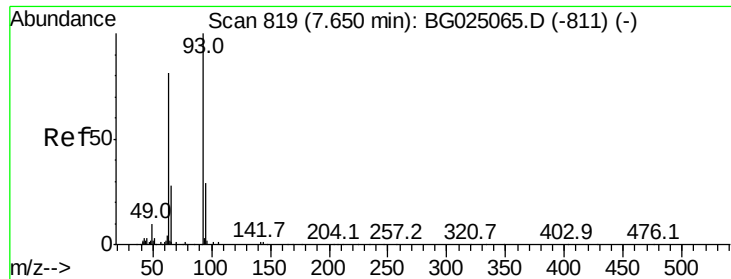
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025066.D
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Operator : UM/SJ
Sample : H5861-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 12 02:47:56 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
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#8

Bis(2-Chloroethyl)ether

Concen: 19.35 ng/ul

RT: 7.64 min Scan# 818

Delta R.T. -0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

Instrument :

BNA_G

ClientSampleId :

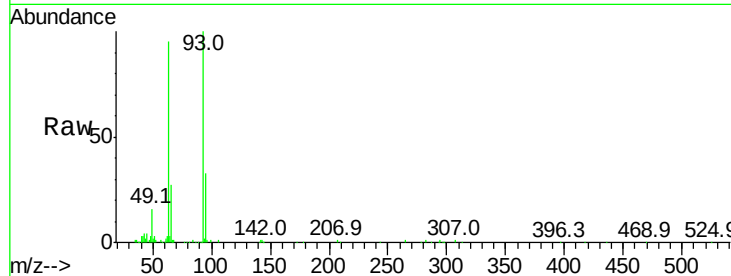
Tot Ion: 93 Resp: 93429

Ion Ratio Lower Upper

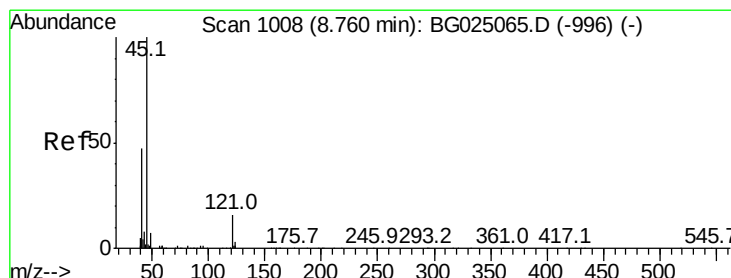
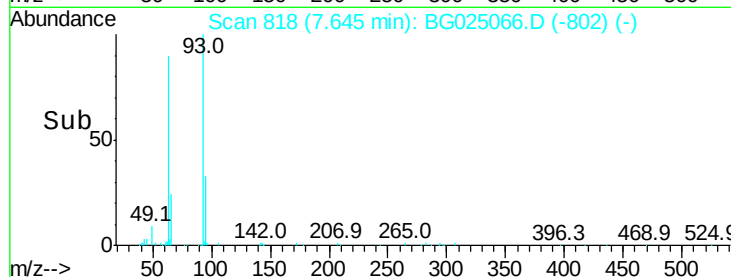
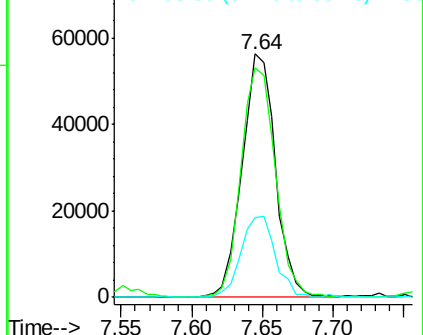
93 100

63 94.5 75.5 113.3

95 32.7 29.2 43.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

2,2'-oxybis(1-Chloropropane)

Concen: 19.23 ng/ul

RT: 8.76 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

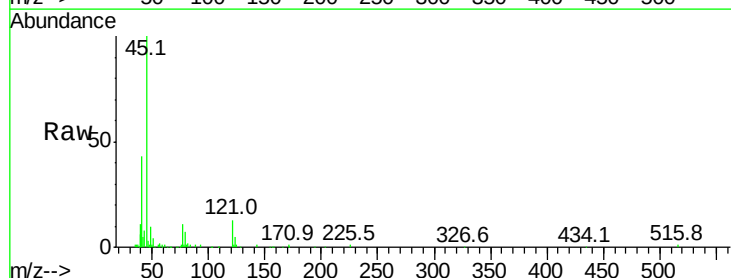
Tgt Ion: 45 Resp: 157925

Ion Ratio Lower Upper

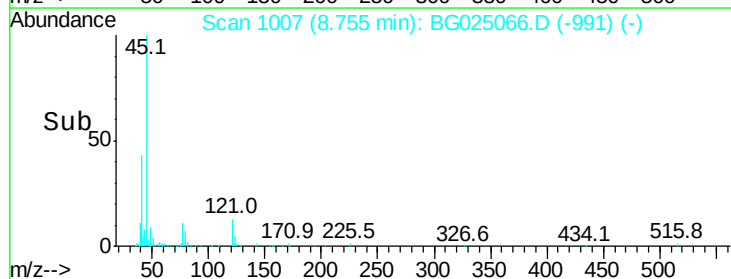
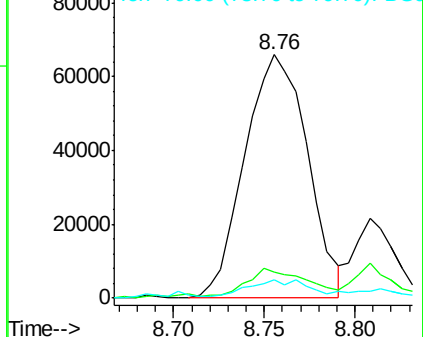
45 100

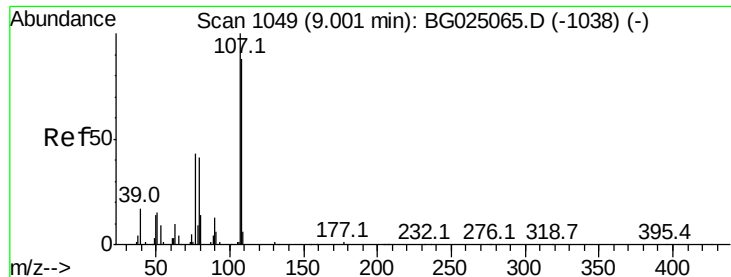
77 10.6 10.0 15.0

79 7.4 7.3 10.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#16

4-Methylphenol

Concen: 47.67 ng/ul

RT: 9.00 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

Instrument :

BNA_G

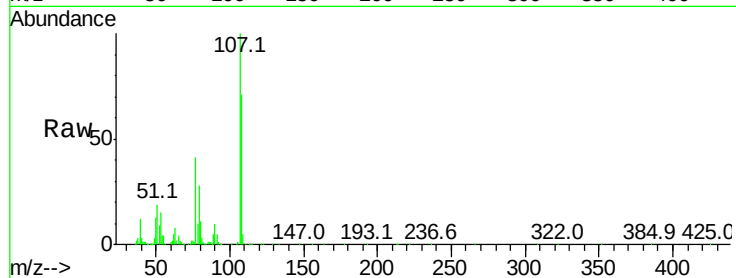
ClientSampleId :

Tot Ion:108 Resp: 257653

Ion Ratio Lower Upper

108 100

107 140.7 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

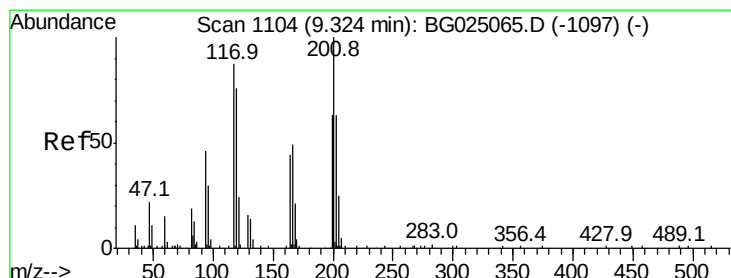
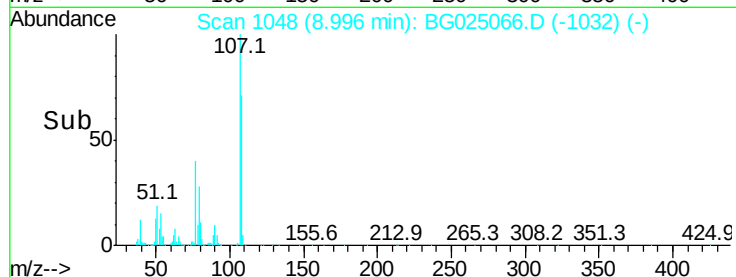
100000

50000

0

8.90 8.95 9.00 9.05 9.10

Time-->



#17

Hexachloroethane

Concen: 59.61 ng/ul

RT: 9.33 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

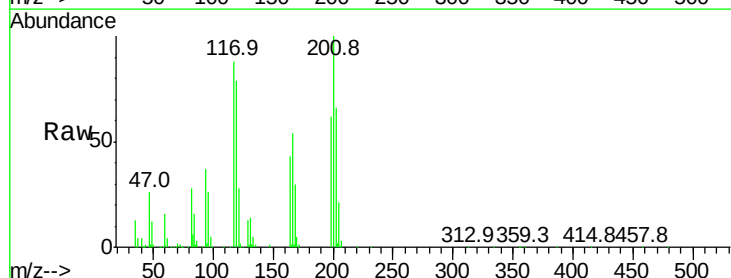
Tgt Ion:117 Resp: 119357

Ion Ratio Lower Upper

117 100

201 113.5 91.9 137.9

199 70.4 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

100000

80000

60000

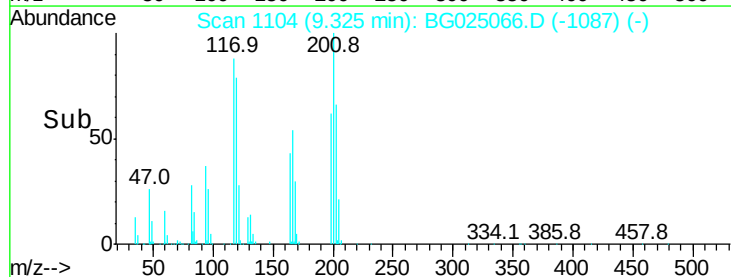
40000

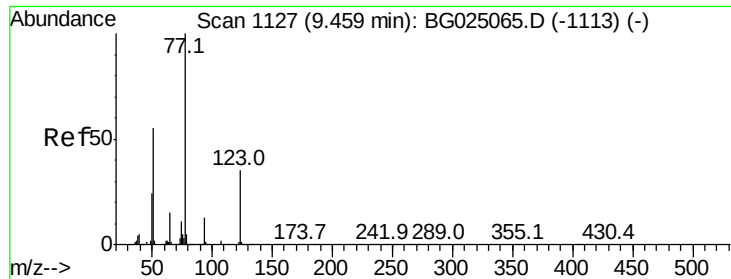
20000

0

9.25 9.30 9.35 9.40

Time-->

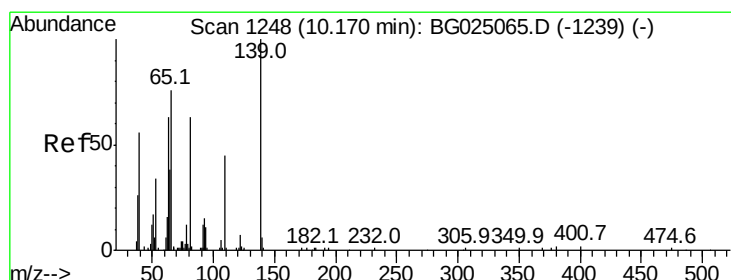
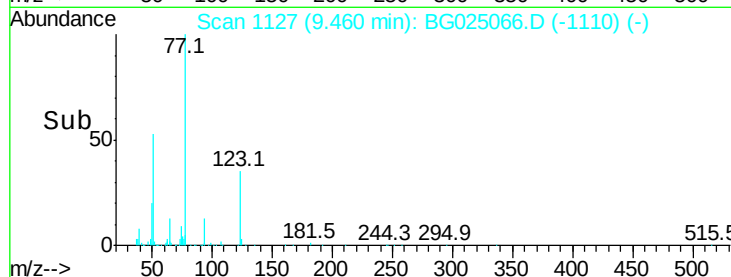
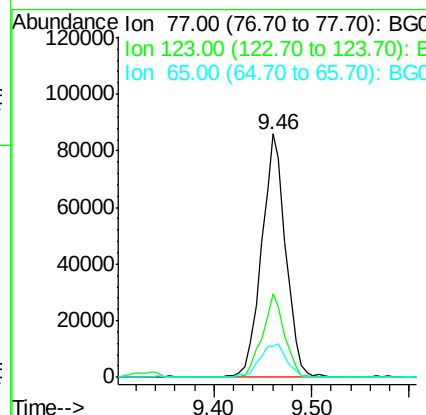
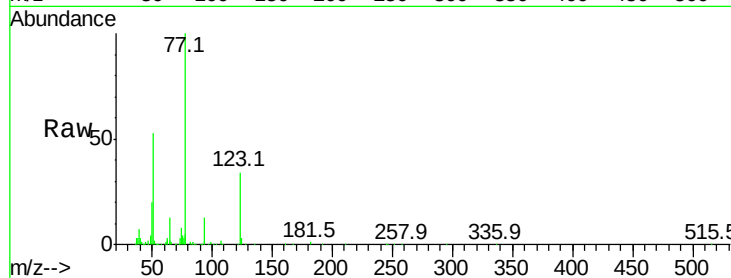




#20
Nitrobenzene
Concen: 20.18 ng/ul
RT: 9.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BG025066.D
Acq: 10 Dec 2016 13:22

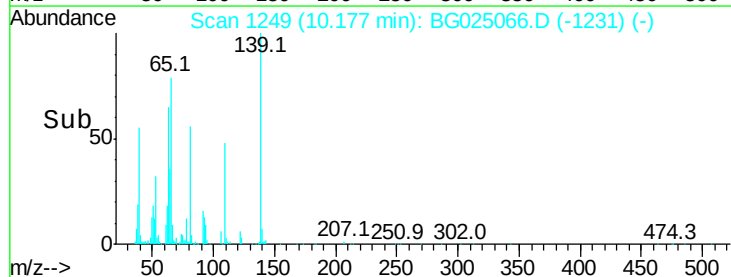
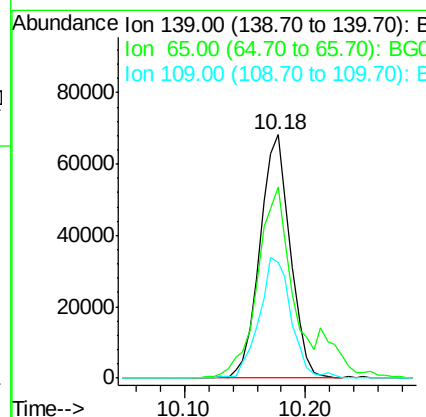
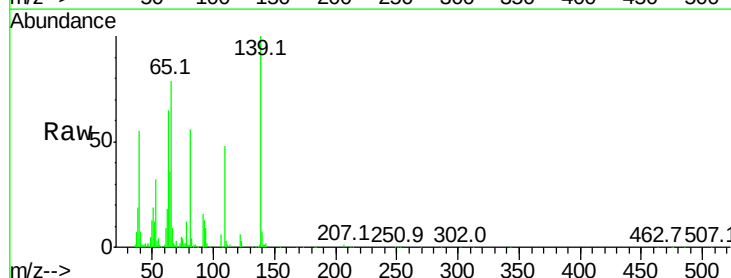
Instrument :
BNA_G
ClientSampled :

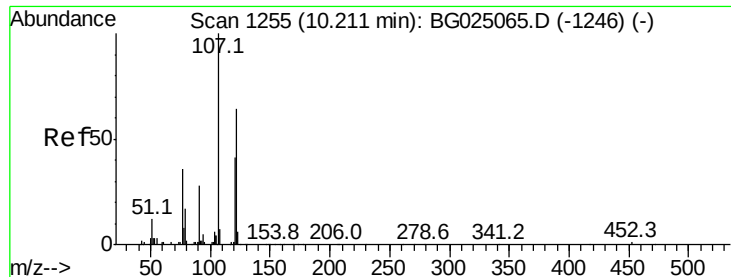
Tot Ion	Ratio	Lower	Upper
77	100		
123	34.5	27.4	41.0
65	12.8	13.3	19.9#



#23
2-Nitrophenol
Concen: 38.98 ng/ul
RT: 10.18 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BG025066.D
Acq: 10 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
139	100		
65	78.6	67.0	100.6
109	47.6	39.6	59.4

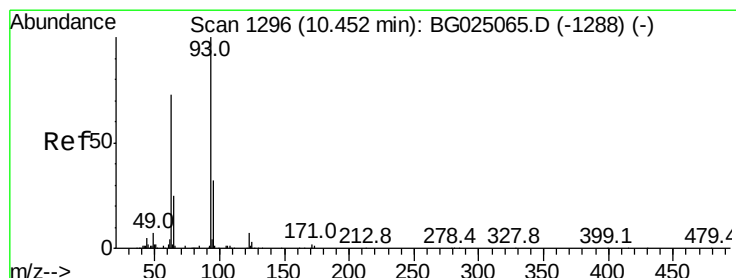
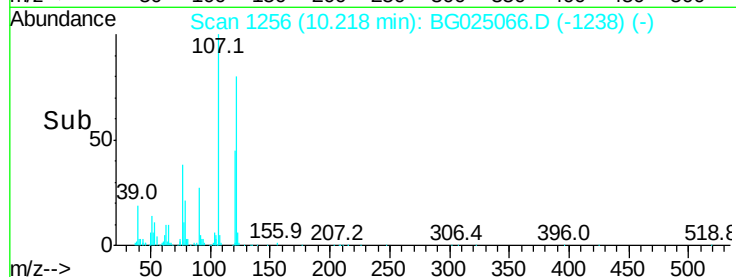
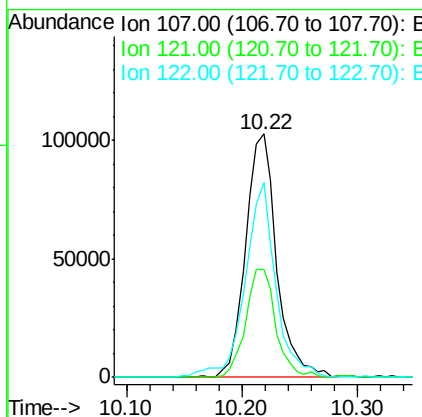
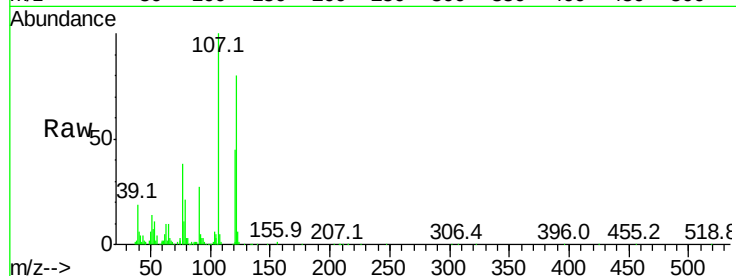




#24
 2,4-Dimethylphenol
 Concen: 27.56 ng/ul
 RT: 10.22 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

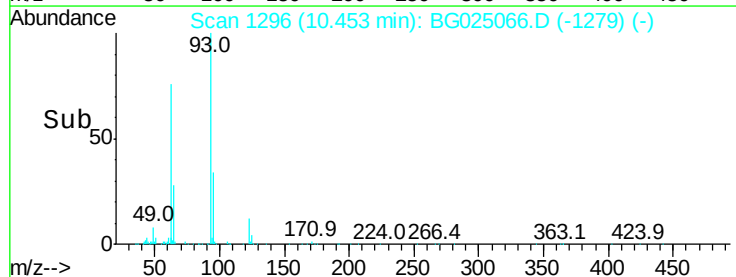
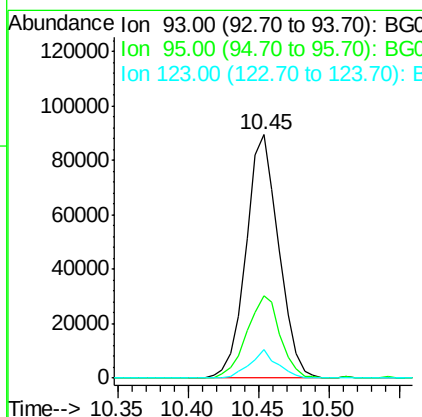
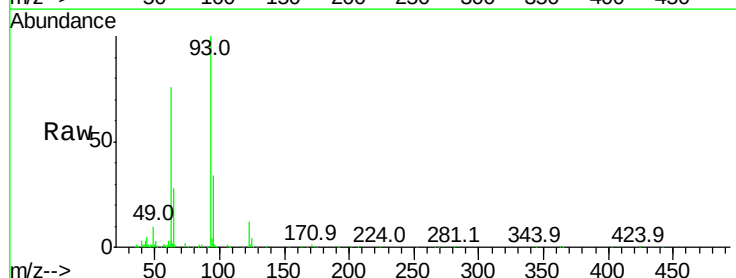
Instrument :
 BNA_G
 ClientSampled :

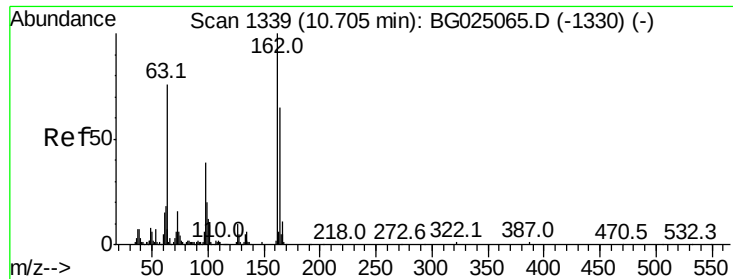
Tot Ion	Ratio	Lower	Upper
107	100		
121	44.5	32.3	48.5
122	79.9	61.2	91.8



#25
 Bis(2-Chloroethoxy)methane
 Concen: 20.32 ng/ul
 RT: 10.45 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.6	23.4	35.0
123	11.6	7.8	11.6

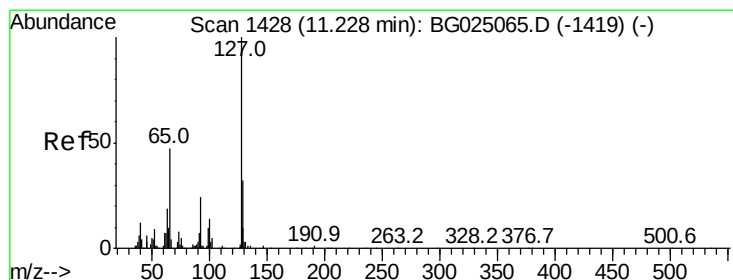
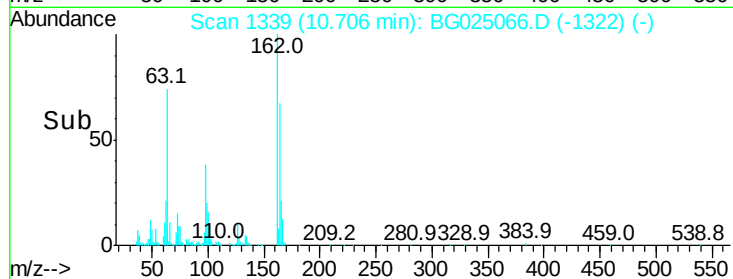
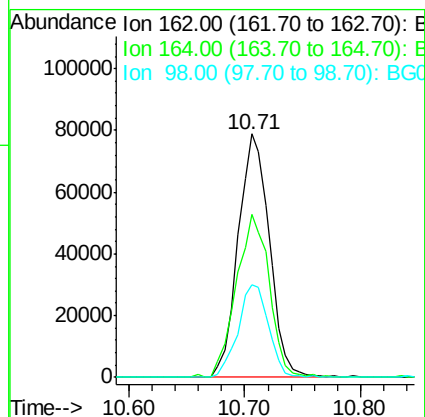
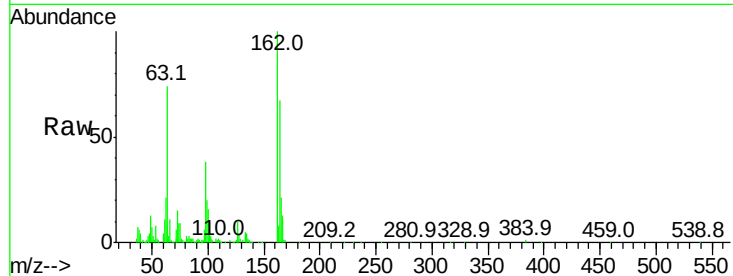




#27
 2,4-Dichlorophenol
 Concen: 26.31 ng/ul
 RT: 10.71 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

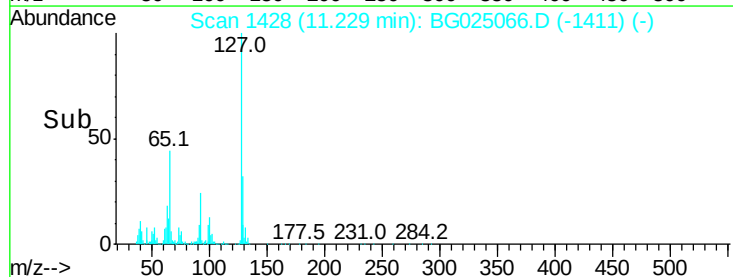
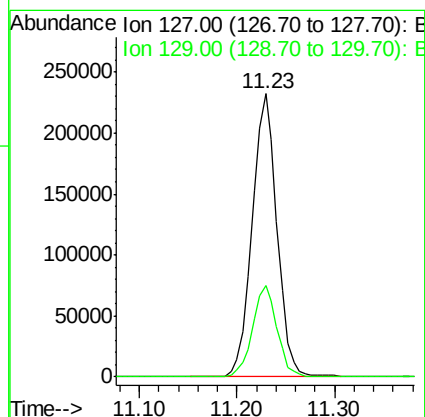
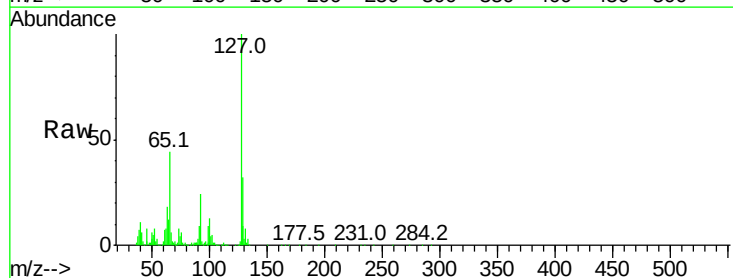
Instrument :
 BNA_G
 ClientSampleId :

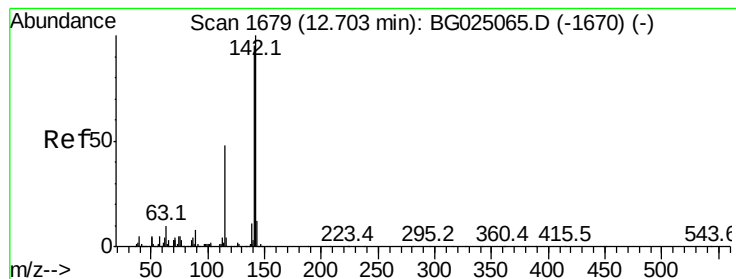
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.8	50.8	76.2
98	37.9	32.1	48.1



#30
 4-Chloroaniline
 Concen: 71.46 ng/ul
 RT: 11.23 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	28.9	43.3





#34

2-Methylnaphthalene

Concen: 25.76 ng/ul

RT: 12.71 min Scan# 1680

Delta R.T. 0.01 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

Instrument :

BNA_G

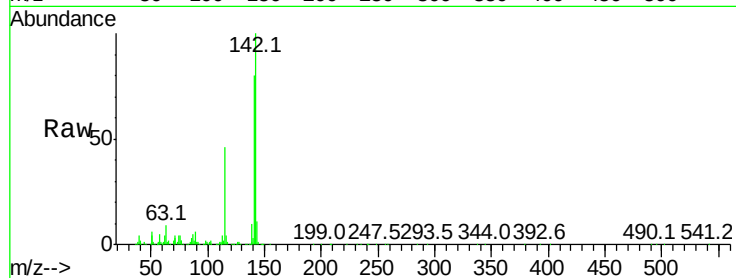
ClientSampleId :

Tot Ion:142 Resp: 321624

Ion Ratio Lower Upper

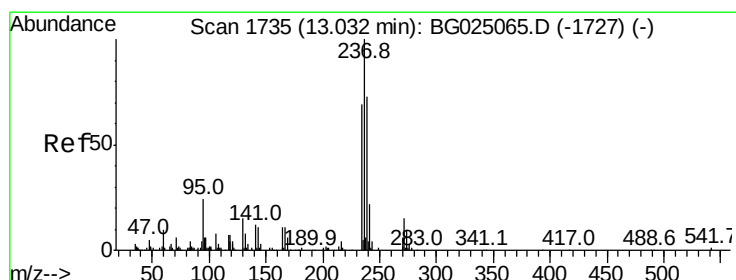
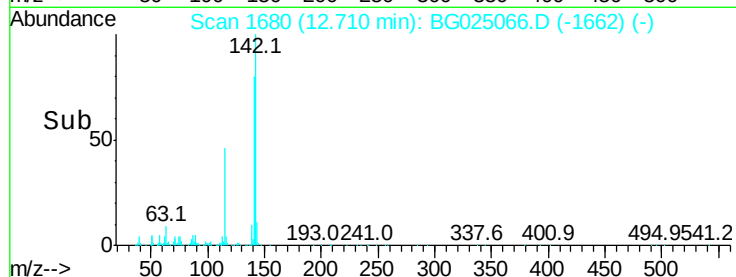
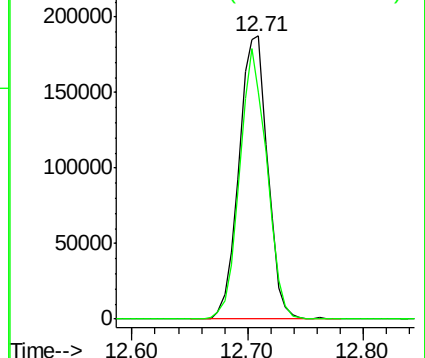
142 100

141 80.1 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#37

Hexachlorocyclopentadiene

Concen: 53.73 ng/ul

RT: 13.03 min Scan# 1735

Delta R.T. 0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

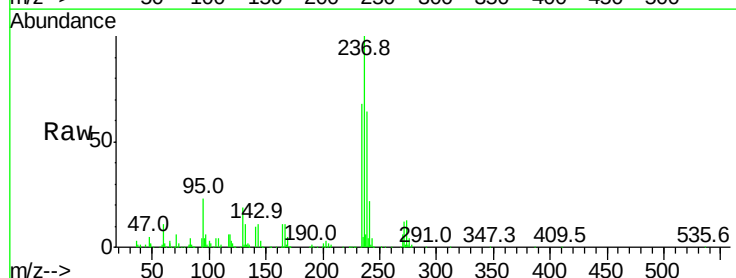
Tgt Ion:237 Resp: 273863

Ion Ratio Lower Upper

237 100

235 68.5 50.2 75.4

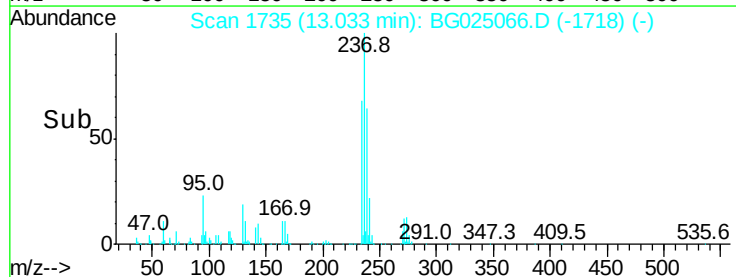
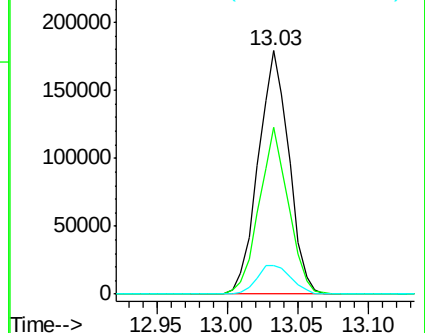
272 11.8 10.6 16.0

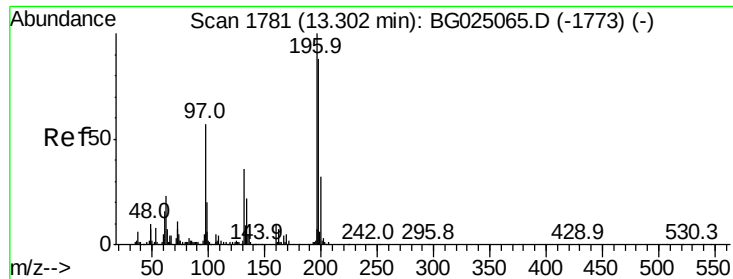


Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E

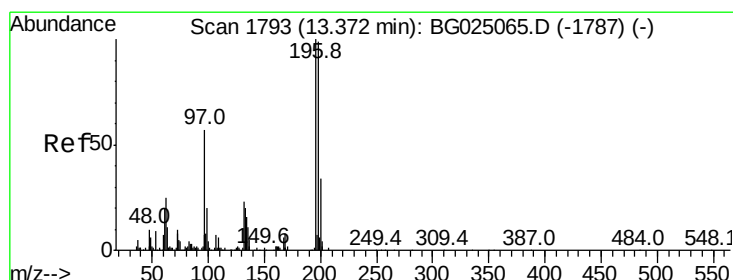
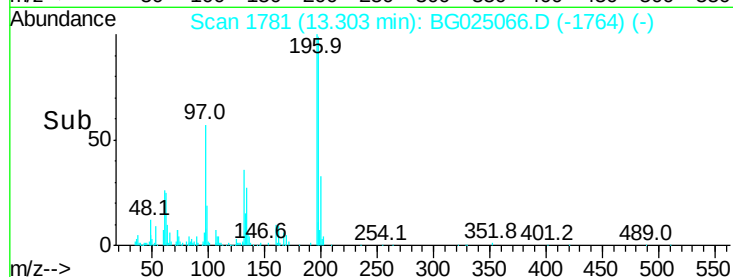
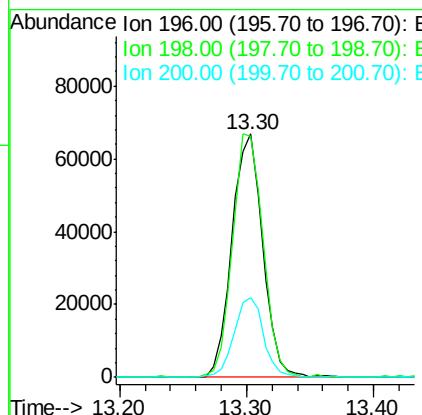
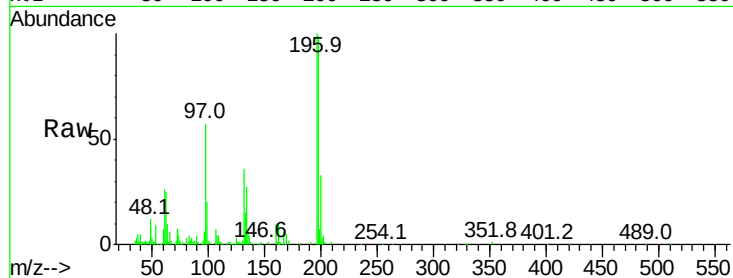




#38
 2,4,6-Trichlorophenol
 Concen: 20.51 ng/ul
 RT: 13.30 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

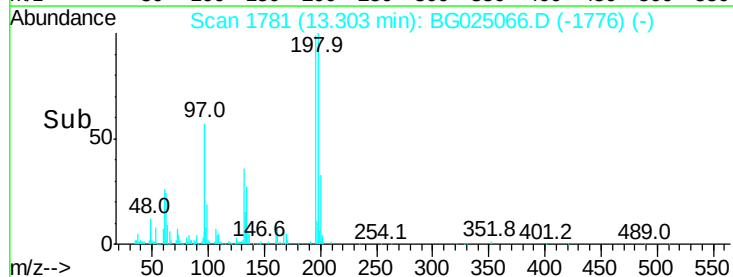
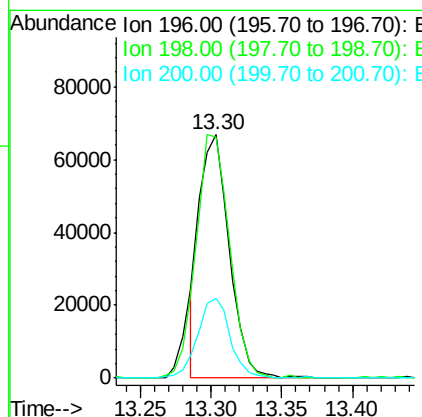
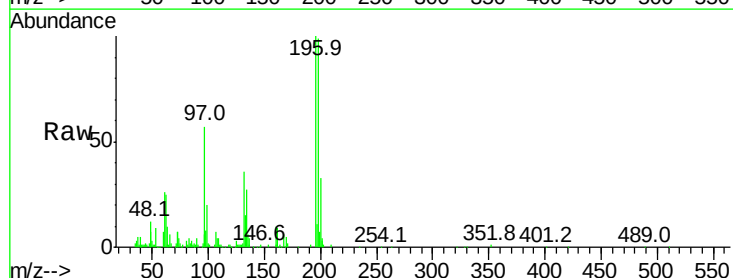
Instrument :
 BNA_G
 ClientSampleId :

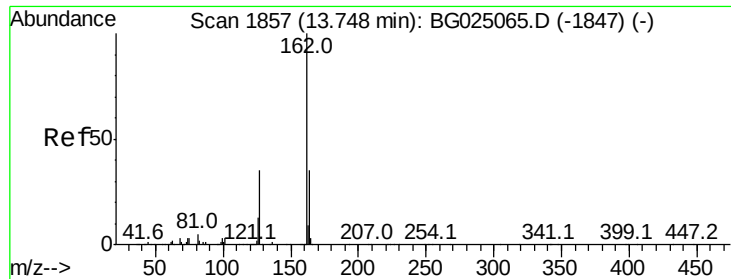
Tot Ion:196 Resp: 111852
 Ion Ratio Lower Upper
 196 100
 198 99.3 71.4 107.2
 200 32.9 24.6 37.0



#39
 2,4,5-Trichlorophenol
 Concen: 16.42 ng/ul
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.07 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion:196 Resp: 98168
 Ion Ratio Lower Upper
 196 100
 198 99.3 78.6 118.0
 200 32.9 27.3 40.9

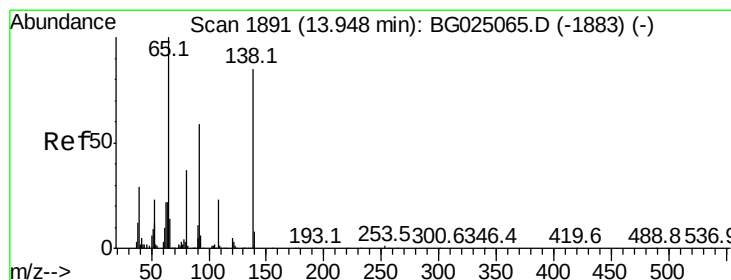
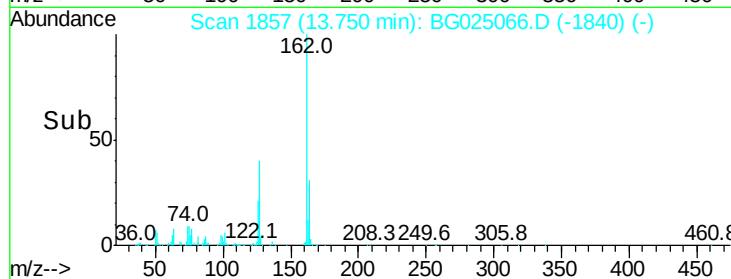
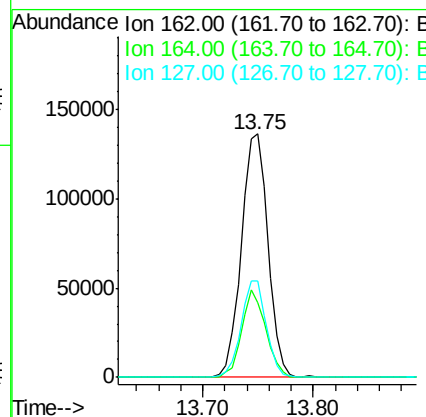
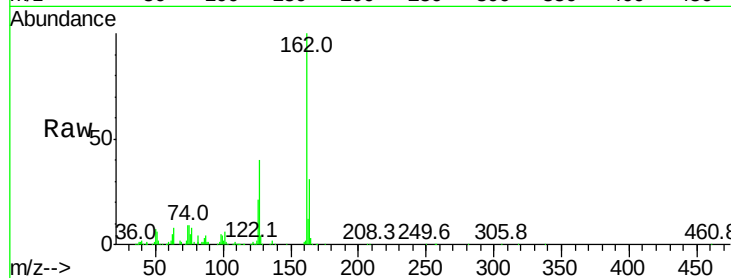




#41
 2-Chloronaphthalene
 Concen: 16.60 ng/ul
 RT: 13.75 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

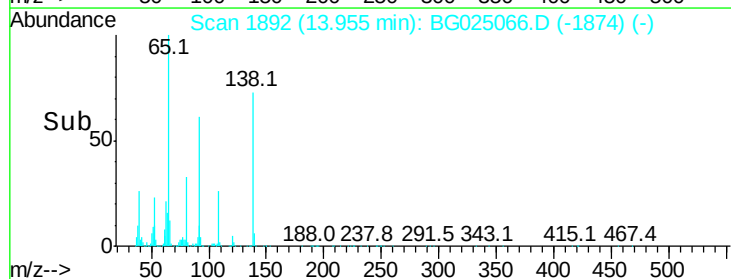
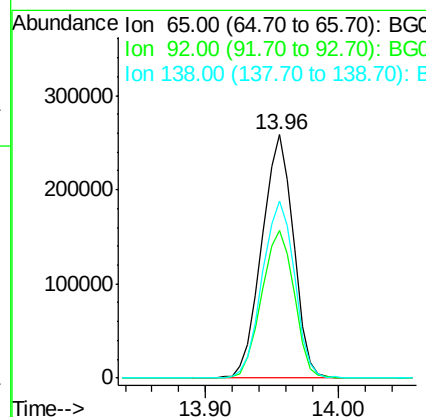
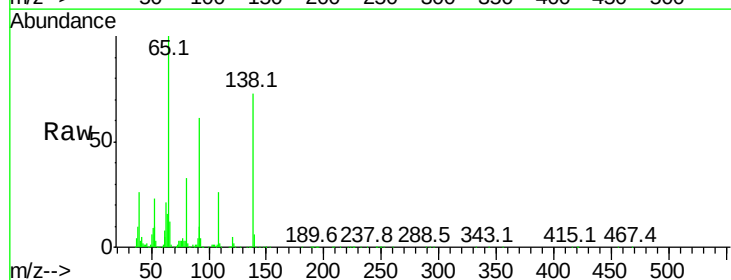
Instrument :
 BNA_G
 ClientSampleId :

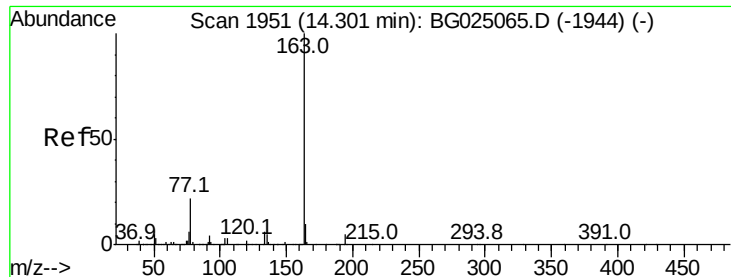
Tot Ion	Ratio	Lower	Upper
162	100		
164	30.8	25.0	37.6
127	39.5	30.7	46.1



#42
 2-Nitroaniline
 Concen: 77.87 ng/ul
 RT: 13.96 min Scan# 1892
 Delta R.T. 0.01 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.6	50.9	76.3
138	72.5	61.8	92.6





#44

Dimethylphthalate

Concen: 35.80 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

Instrument :

BNA_G

ClientSampleId :

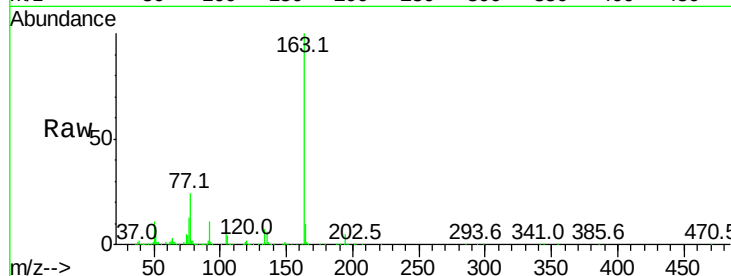
Tot Ion:163 Resp: 697177

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.0#

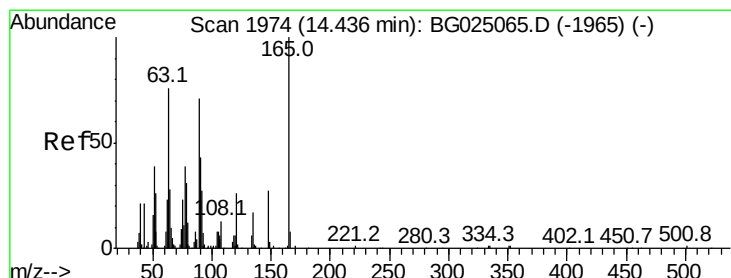
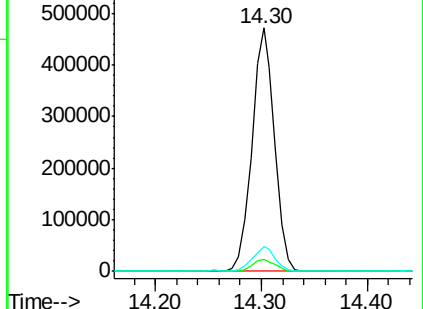
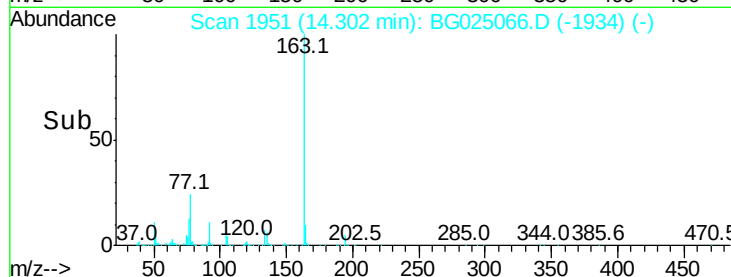
164 10.4 9.0 13.4



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



#45

2,6-Dinitrotoluene

Concen: 16.83 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

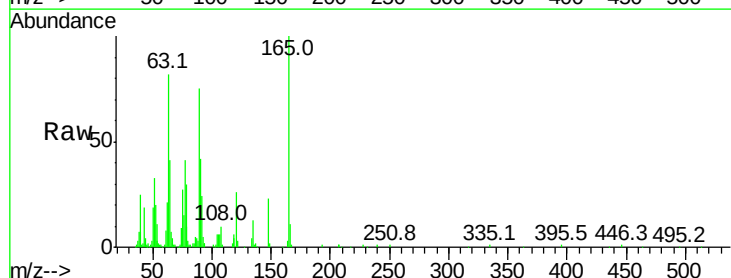
Tgt Ion:165 Resp: 70429

Ion Ratio Lower Upper

165 100

89 75.4 52.9 79.3

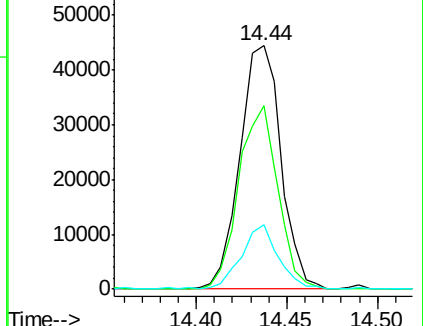
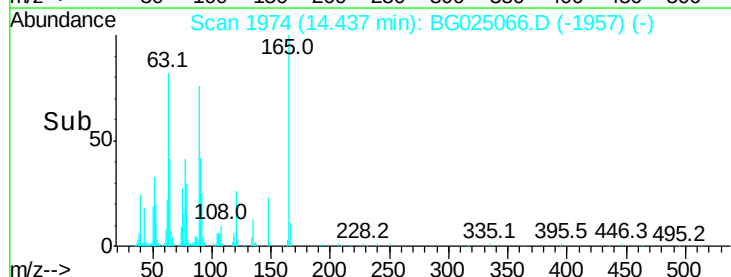
121 26.4 22.2 33.4

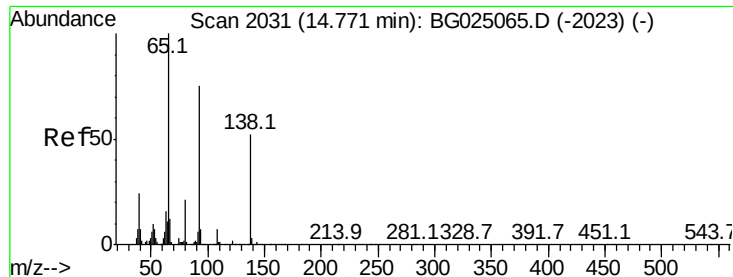


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E

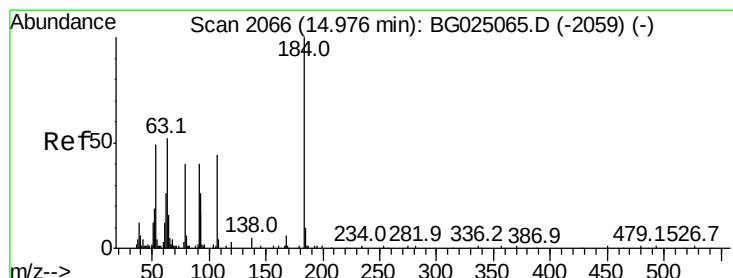
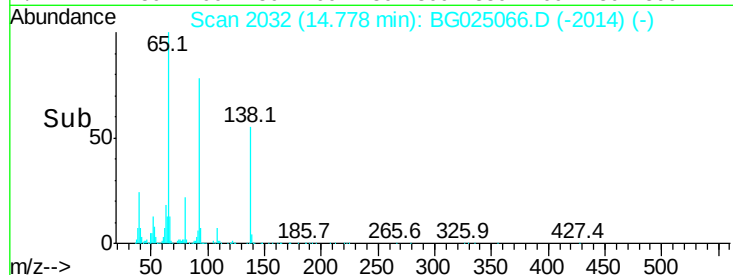
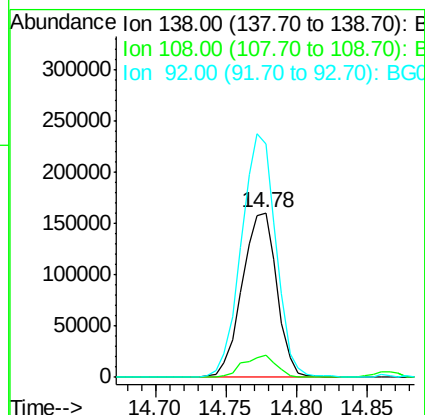
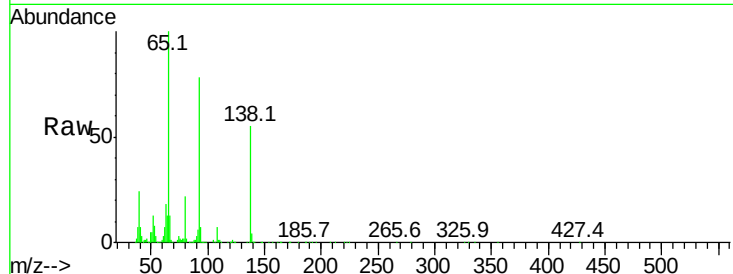




#48
 3-Nitroaniline
 Concen: 76.01 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

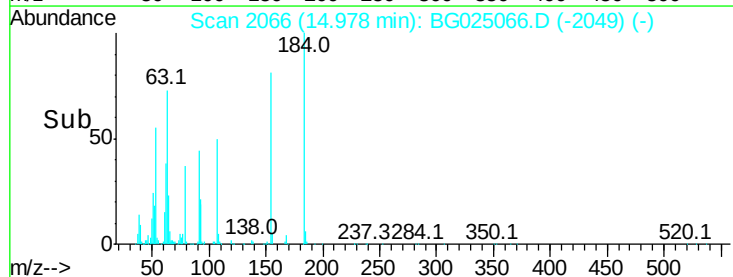
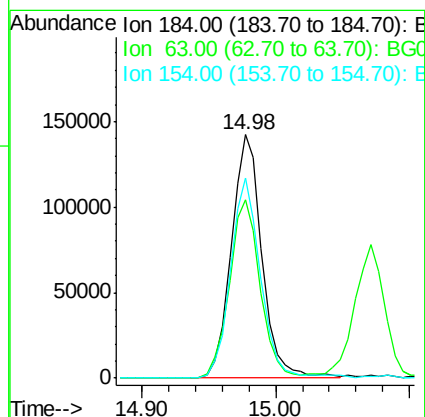
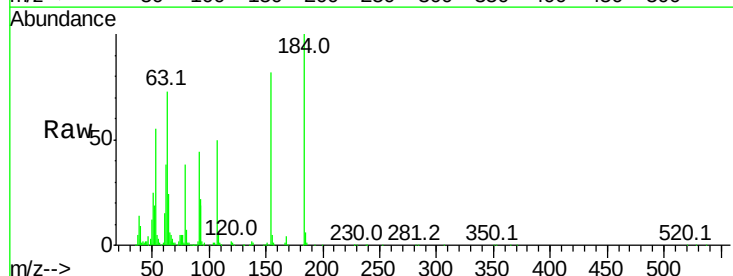
Instrument :
 BNA_G
 ClientSampleID :

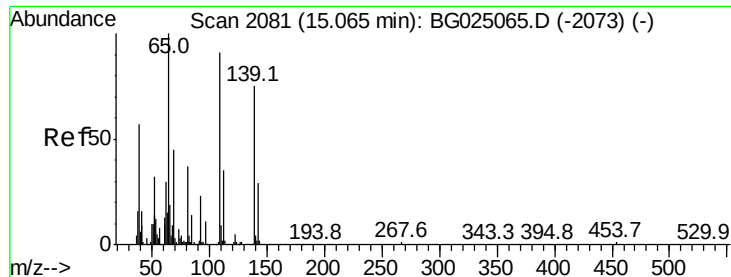
Tot Ion:138 Resp: 275455
 Ion Ratio Lower Upper
 138 100
 108 13.4 6.3 9.5#
 92 142.1 106.4 159.6



#50
 2,4-Dinitrophenol
 Concen: 83.45 ng/ul
 RT: 14.98 min Scan# 2066
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion:184 Resp: 226891
 Ion Ratio Lower Upper
 184 100
 63 73.2 65.1 97.7
 154 82.0 68.2 102.4





#52

4-Nitrophenol

Concen: 80.29 ng/ul

RT: 15.07 min Scan# 2082

Delta R.T. 0.01 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

Instrument :

BNA_G

ClientSampleId :

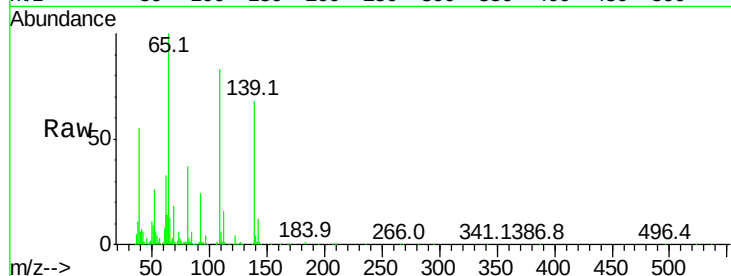
Tot Ion:109 Resp: 328870

Ion Ratio Lower Upper

109 100

139 81.7 62.6 93.8

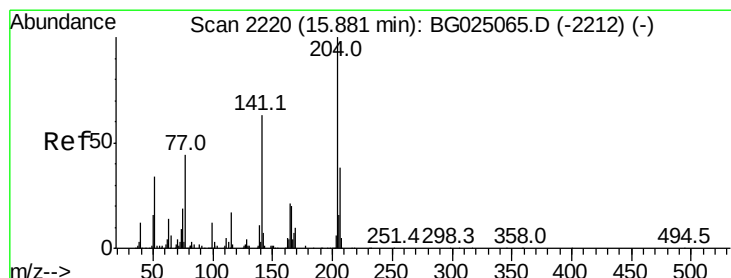
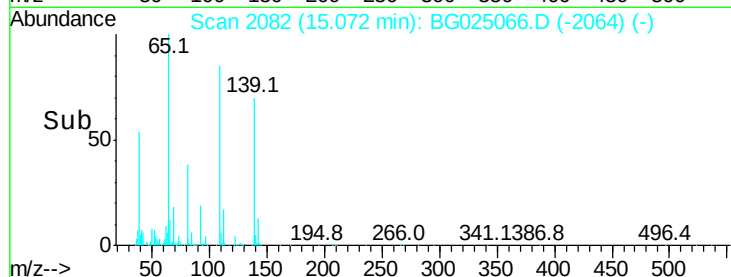
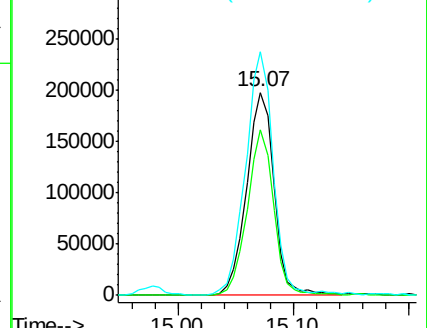
65 119.8 90.4 135.6



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): B



#59

4-Chlorophenyl-phenylether

Concen: 16.32 ng/ul

RT: 15.88 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG025066.D

Acq: 10 Dec 2016 13:22

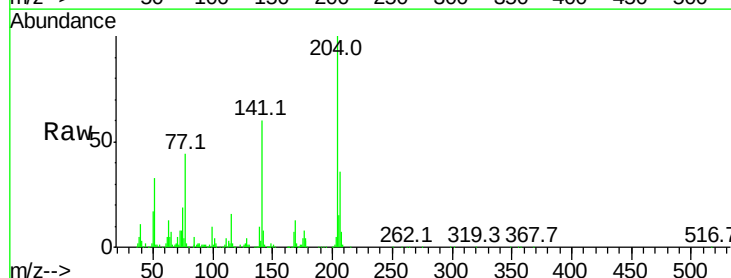
Tgt Ion:204 Resp: 171077

Ion Ratio Lower Upper

204 100

206 36.3 32.3 48.5

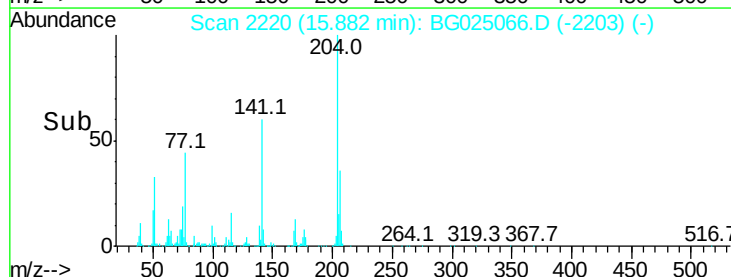
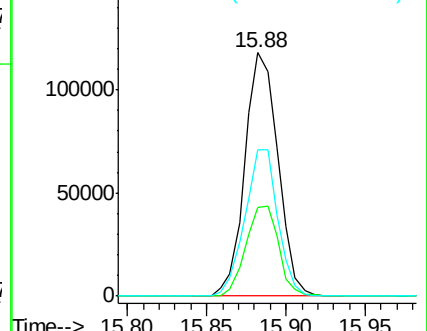
141 59.9 57.5 86.3

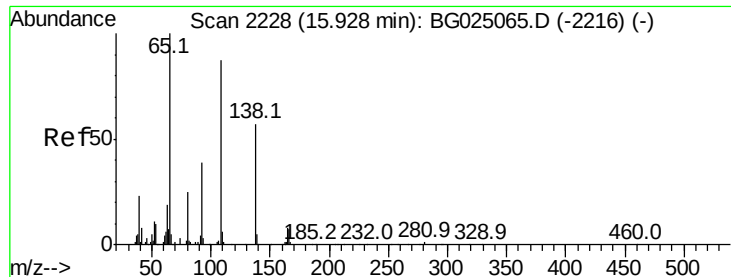


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

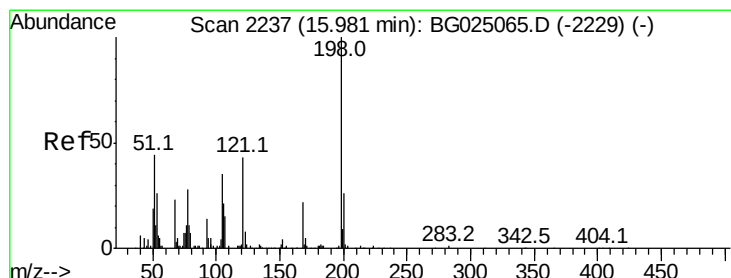
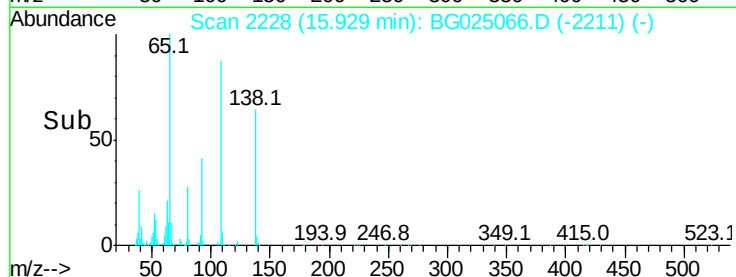
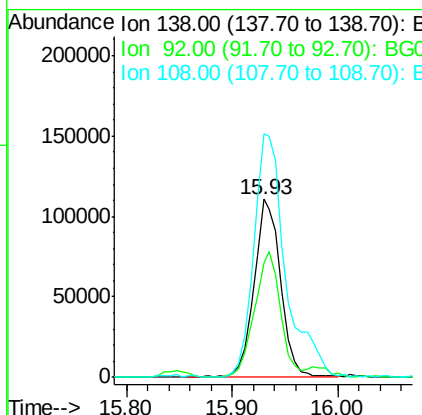
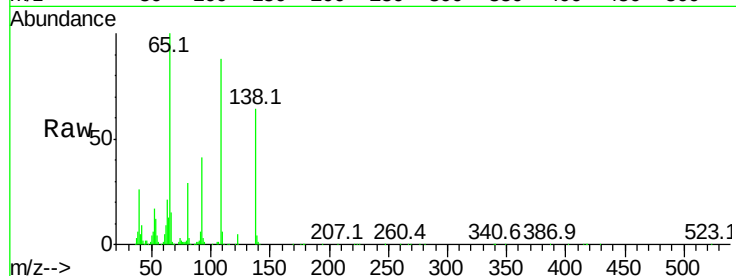




#60
4-Nitroaniline
Concen: 44.12 ng/ul
RT: 15.93 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BG025066.D
Acq: 10 Dec 2016 13:22

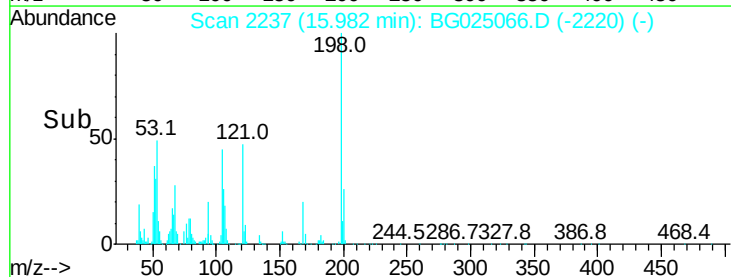
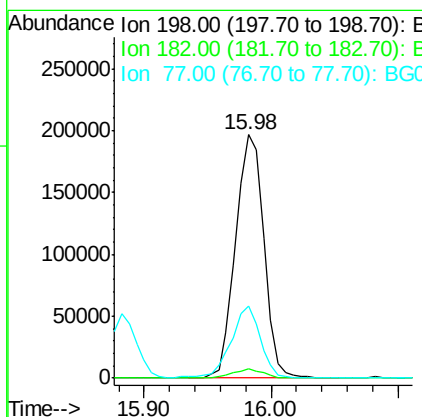
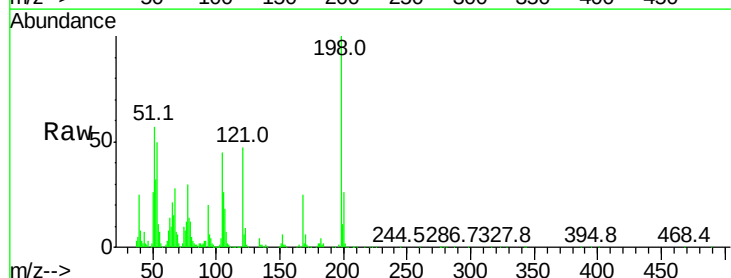
Instrument :
BNA_G
ClientSampleId :

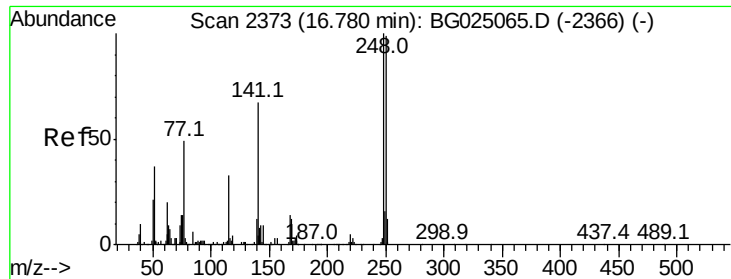
Tot Ion:138 Resp: 192821
Ion Ratio Lower Upper
138 100
92 64.3 56.9 85.3
108 136.8 104.9 157.3



#63
4,6-Dinitro-2-methylphenol
Concen: 70.33 ng/ul
RT: 15.98 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BG025066.D
Acq: 10 Dec 2016 13:22

Tgt Ion:198 Resp: 303188
Ion Ratio Lower Upper
198 100
182 3.9 5.8 6.4#
77 29.8 22.1 33.9

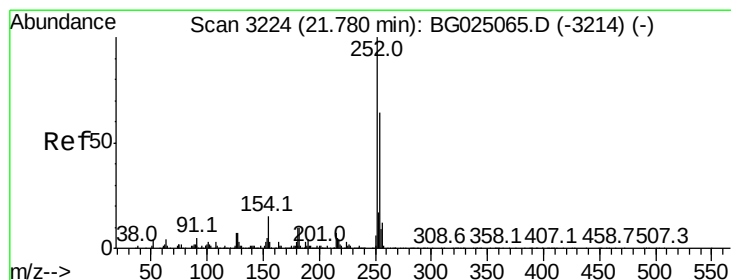
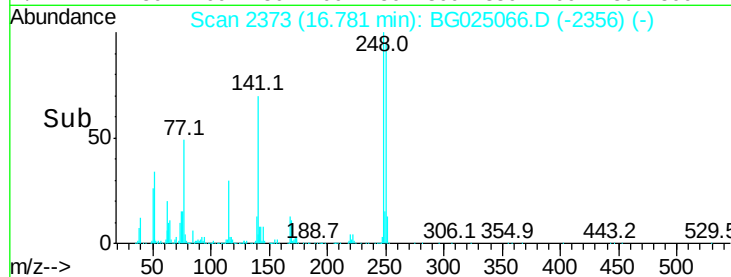
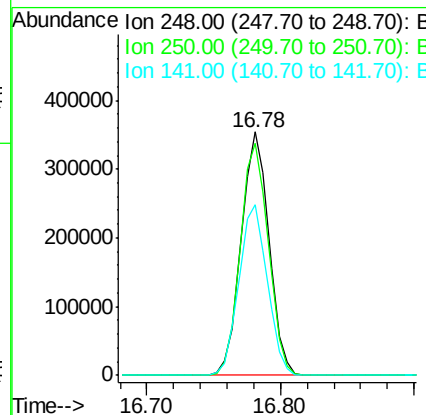
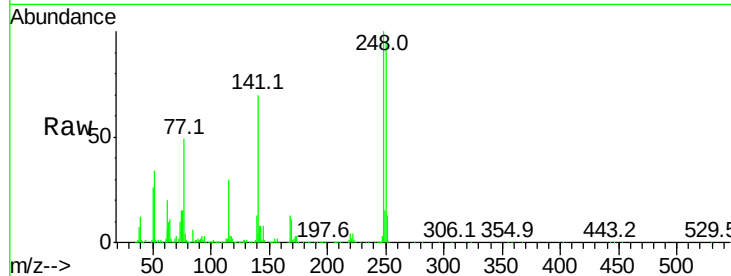




#65
 4-Bromophenyl-phenylether
 Concen: 67.11 ng/ul
 RT: 16.78 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.2	71.9	107.9
141	70.2	53.8	80.8



#79
 3,3'-Dichlorobenzidine
 Concen: 29.73 ng/ul
 RT: 21.78 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: BG025066.D
 Acq: 10 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.1	49.0	73.6
126	7.6	5.1	7.7

