

Data Path : Z:\HPCHEM1\BNA G\Data\BG110716\
 Data File : BG024757.D
 Acq On : 8 Nov 2016 13:31
 Operator : UM/SJ
 Sample : H5544-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 15:08:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

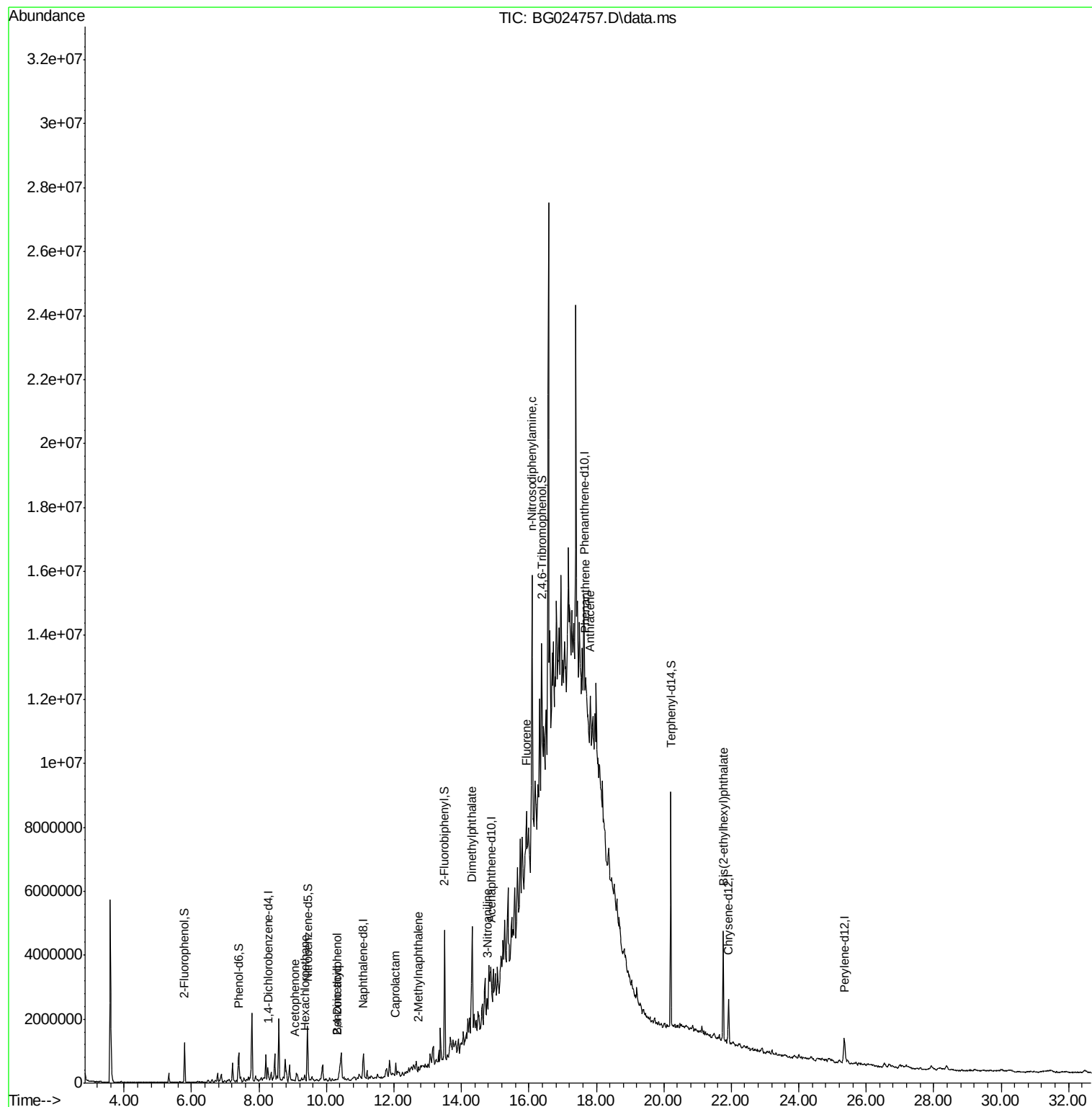
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.263	152	116937	20.00	ng	0.00
21) Naphthalene-d8	11.089	136	452222	20.00	ng	-0.01
38) Acenaphthene-d10	14.878	164	340676	20.00	ng	-0.01
63) Phenanthrene-d10	17.640	188	748963	20.00	ng	0.01
75) Chrysene-d12	21.917	240	963312	20.00	ng	-0.01
86) Perylene-d12	25.349	264	990345	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.795	112	487277	68.30	ng	0.00
7) Phenol-d6	7.399	99	433989	44.34	ng	0.00
23) Nitrobenzene-d5	9.438	82	1001148	100.80	ng	-0.01
41) 2,4,6-Tribromophenol	16.377	330	838398	164.73	ng	0.00
44) 2-Fluorobiphenyl	13.504	172	2087397	101.84	ng	-0.01
78) Terphenyl-d14	20.207	244	2963989	91.94	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.361	117	7681	2.25	ng	# 1
22) Acetophenone	9.062	105	23634	2.03	ng	# 49
27) 2,4-Dimethylphenol	10.337	122	18791	2.62	ng	# 1
32) Benzoic acid	10.337	122	18791	3.14	ng	# 56
35) Caprolactam	12.052	113	19799	7.18	ng	# 11
37) 2-Methylnaphthalene	12.728	142	42209	2.56	ng	# 95
49) Dimethylphthalate	14.314	163	125952	5.21	ng	# 89
52) 3-Nitroaniline	14.779	138	13561	2.54	ng	# 15
57) Fluorene	15.924	166	63195	2.68	ng	# 51
65) n-Nitrosodiphenylamine	16.095	169	183692	8.97	ng	# 62
70) Phenanthrene	17.681	178	169051	4.43	ng	# 66
71) Anthracene	17.822	178	88926	2.31	ng	# 1
83) Bis(2-ethylhexyl)phtha...	21.759	149	1397625	49.77	ng	# 98

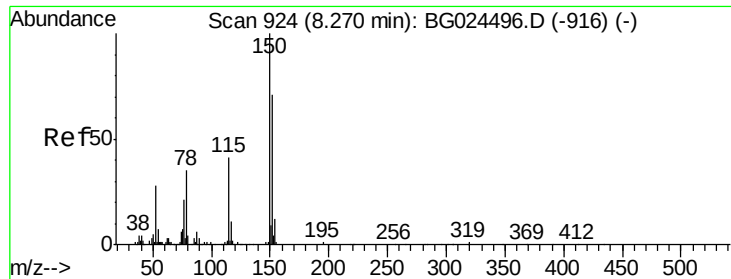
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.263 min Scan# 92

Delta R.T. -0.007 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

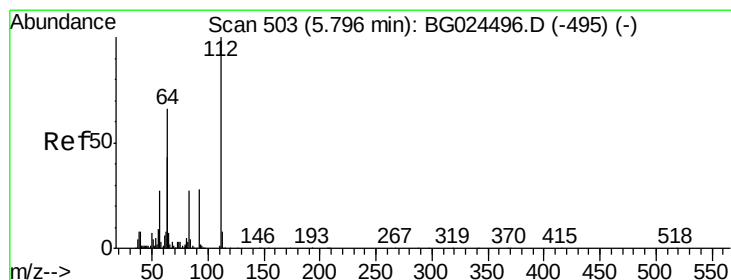
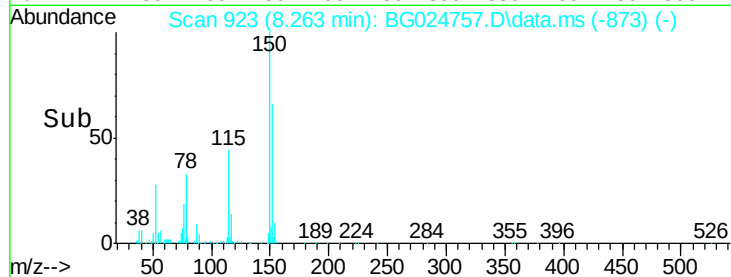
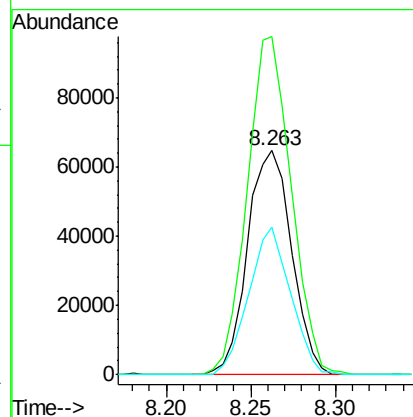
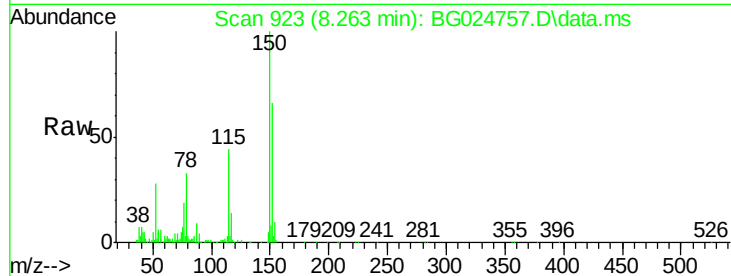
Tot Ion:152 Resp: 116937

Ion Ratio Lower Upper

152 100

150 151.1 114.0 171.0

115 65.8 48.1 72.1



#5

2-Fluorophenol

Concen: 68.30 ng

RT: 5.795 min Scan# 503

Delta R.T. -0.001 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

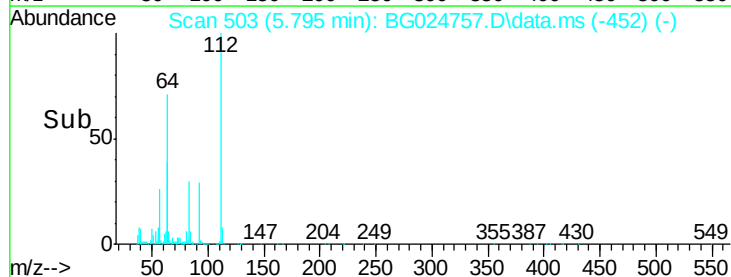
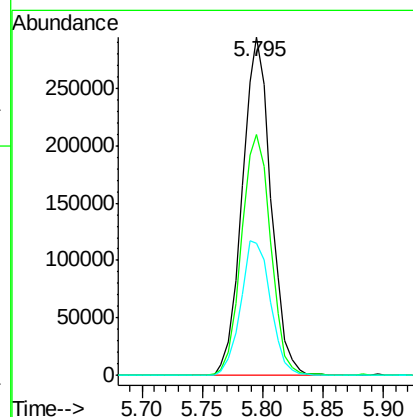
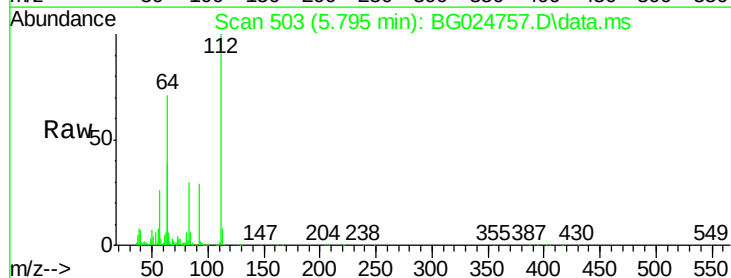
Tgt Ion:112 Resp: 487277

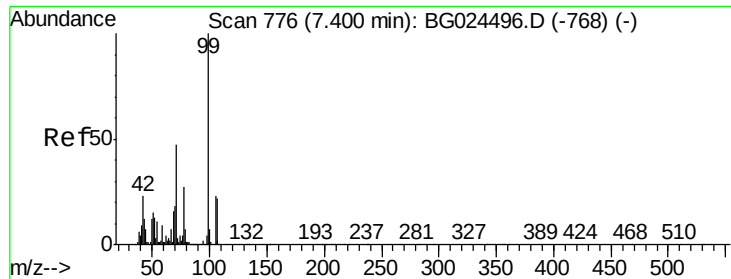
Ion Ratio Lower Upper

112 100

64 71.1 61.8 92.6

63 39.2 37.2 55.8





#7

Phenol-d6

Concen: 44.34 ng

RT: 7.399 min Scan# 77

Delta R.T. -0.001 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

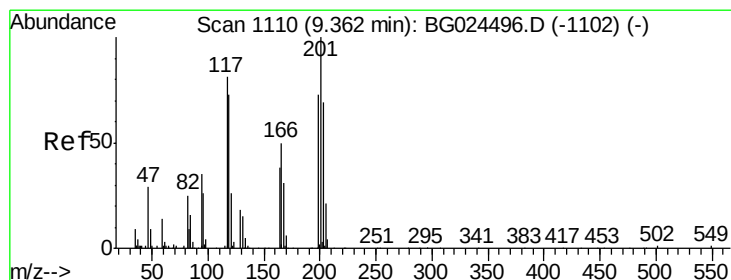
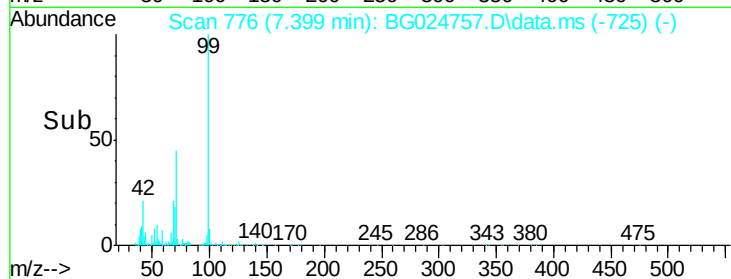
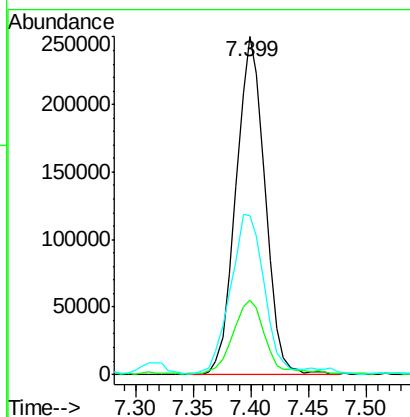
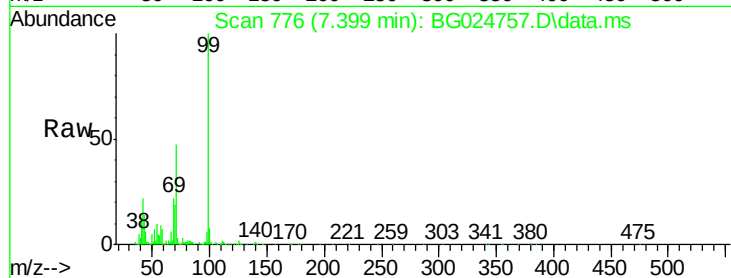
Tot Ion: 99 Resp: 433989

Ion Ratio Lower Upper

99 100

42 22.0 20.5 30.7

71 46.8 37.6 56.4



#18

Hexachloroethane

Concen: 2.25 ng

RT: 9.361 min Scan# 1110

Delta R.T. -0.001 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

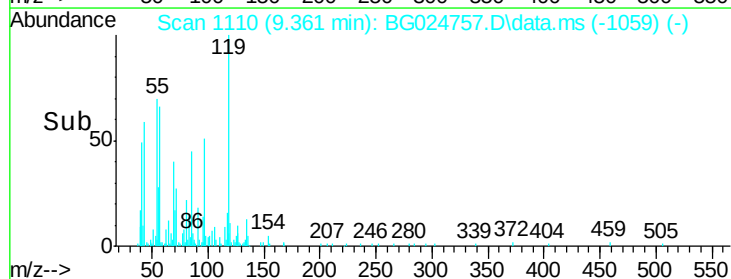
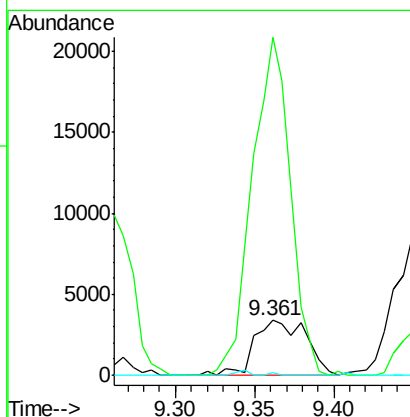
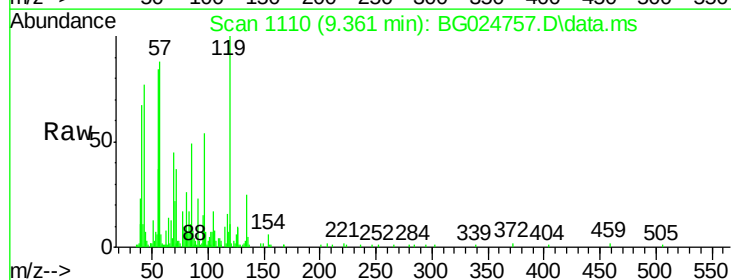
Tgt Ion: 117 Resp: 7681

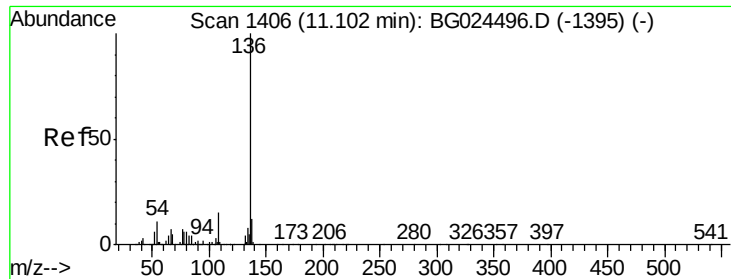
Ion Ratio Lower Upper

117 100

119 614.6 69.8 104.6#

201 4.9 95.4 143.0#

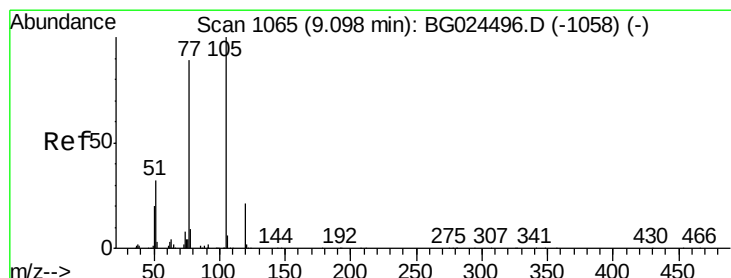
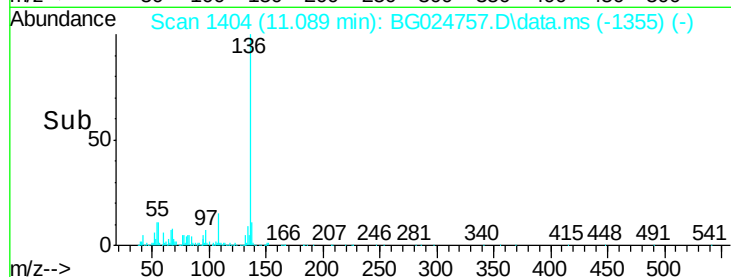
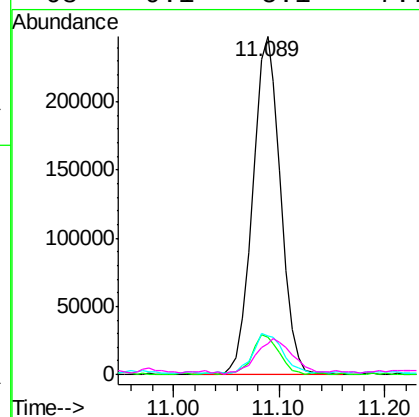
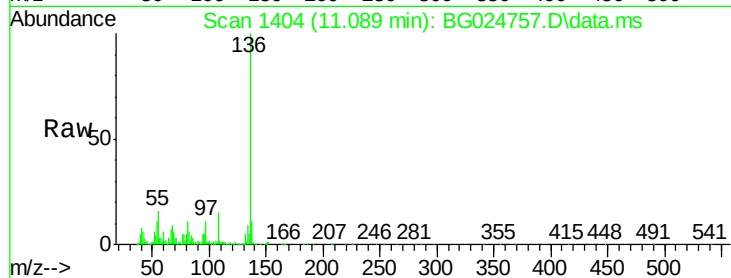




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.089 min Scan# 1406
Delta R.T. -0.013 min
Lab File: BG024757.D
Acq: 8 Nov 2016 13:31

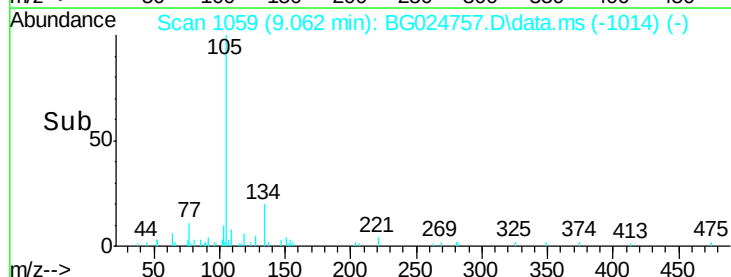
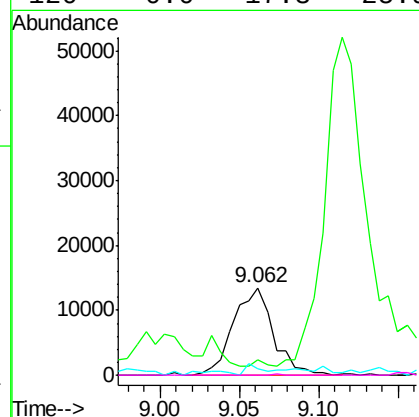
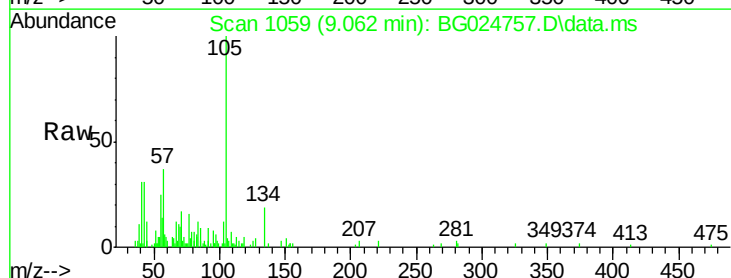
Instrument :
BNA_G
ClientSampleId :

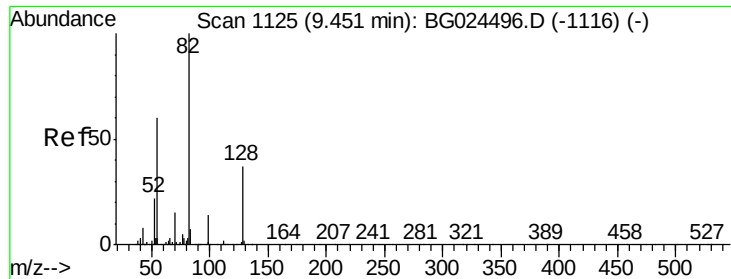
Tot Ion:136	Resp:	452222
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	11.3	9.3 13.9
68	9.1	5.1 7.7#



#22
Acetophenone
Concen: 2.03 ng
RT: 9.062 min Scan# 1059
Delta R.T. -0.036 min
Lab File: BG024757.D
Acq: 8 Nov 2016 13:31

Tgt Ion:105	Resp:	23634
Ion Ratio	Lower	Upper
105	100	
71	17.1	0.9 1.3#
51	7.8	34.0 51.0#
120	0.0	17.3 25.9#





#23

Nitrobenzene-d5

Concen: 100.80 ng

RT: 9.438 min Scan# 11

Delta R.T. -0.013 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

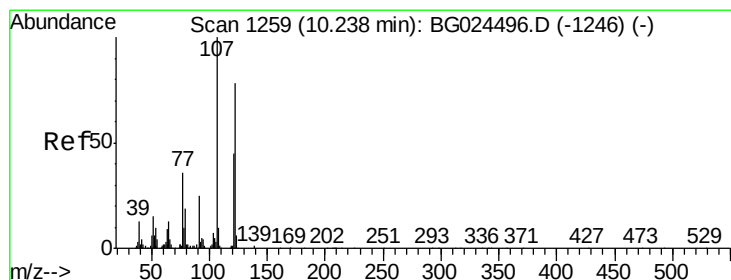
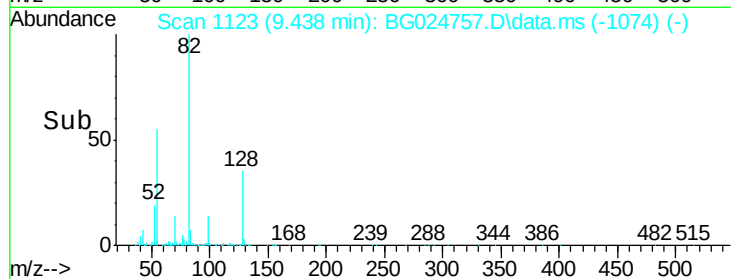
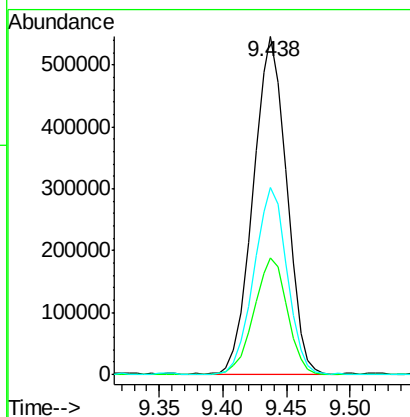
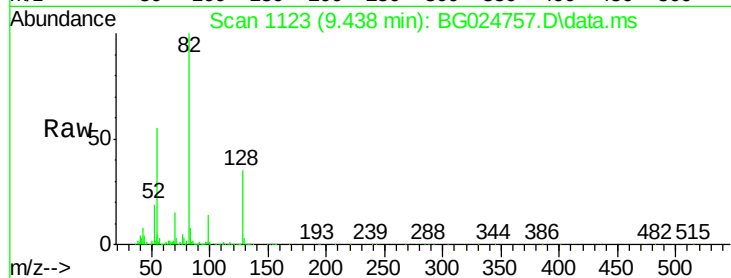
Tot Ion: 82 Resp: 1001148

Ion Ratio Lower Upper

82 100

128 34.5 26.4 39.6

54 55.2 49.4 74.2



#27

2,4-Dimethylphenol

Concen: 2.62 ng

RT: 10.337 min Scan# 1276

Delta R.T. 0.099 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

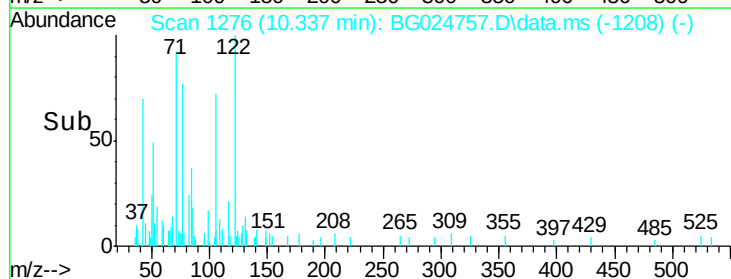
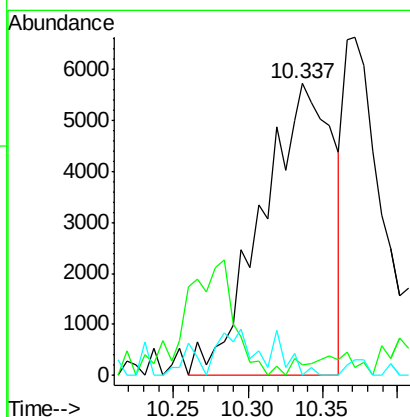
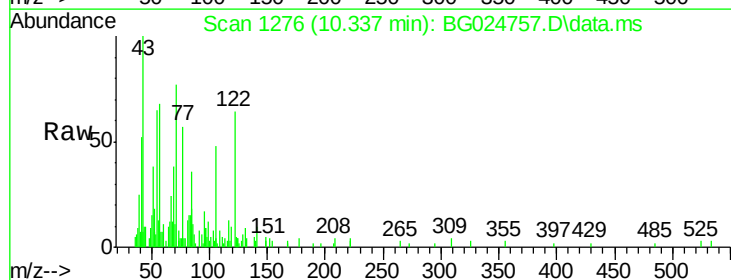
Tgt Ion: 122 Resp: 18791

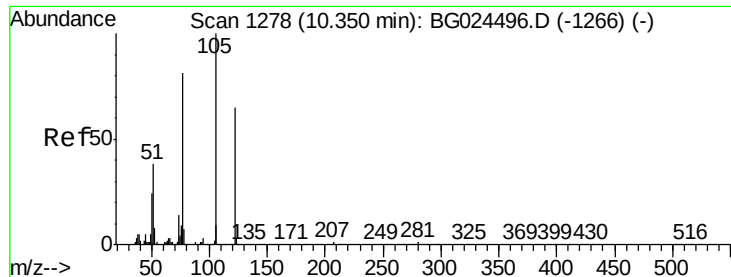
Ion Ratio Lower Upper

122 100

107 3.6 104.2 156.4#

121 0.0 46.0 69.0#





#32

Benzoic acid

Concen: 3.14 ng

RT: 10.337 min Scan# 12

Delta R.T. -0.013 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

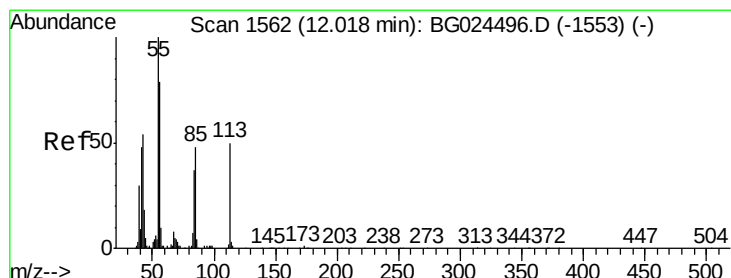
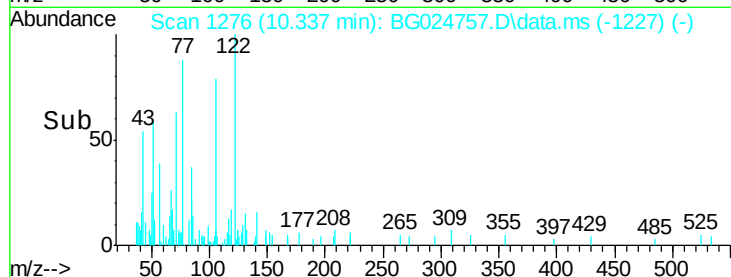
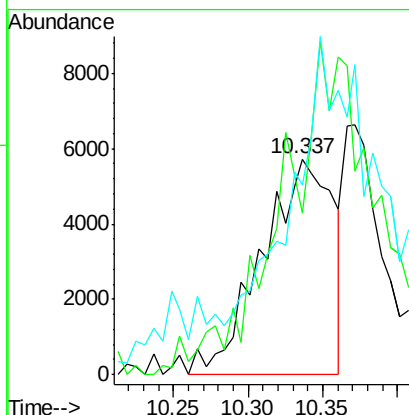
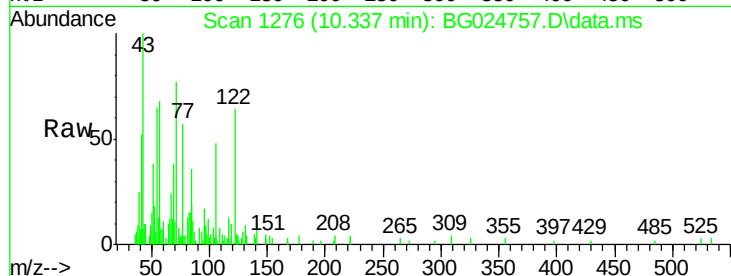
Tot Ion:122 Resp: 18791

Ion Ratio Lower Upper

122 100

105 75.0 120.1 160.1#

77 87.8 104.6 144.6#



#35

Caprolactam

Concen: 7.18 ng

RT: 12.052 min Scan# 1568

Delta R.T. 0.034 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

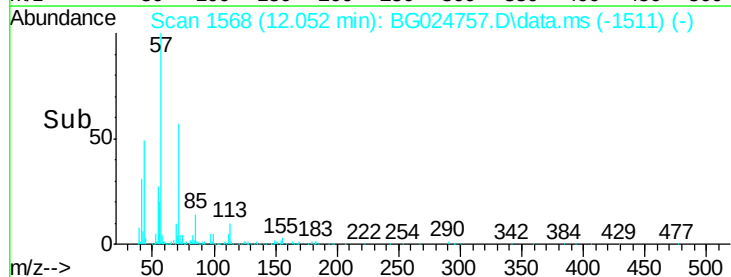
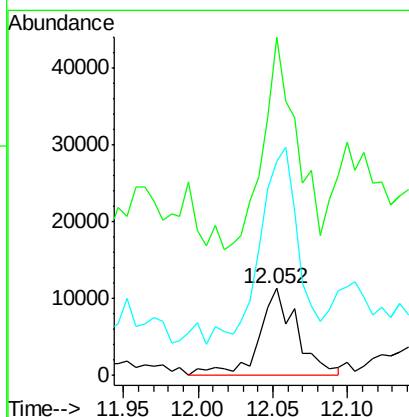
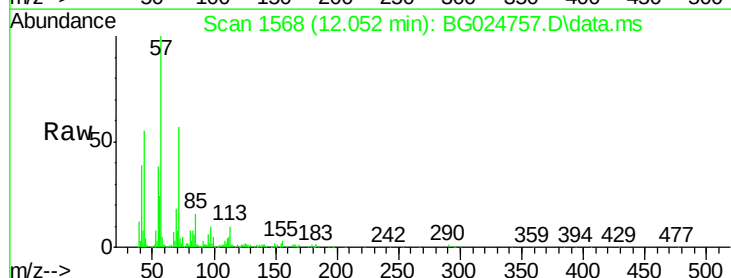
Tgt Ion:113 Resp: 19799

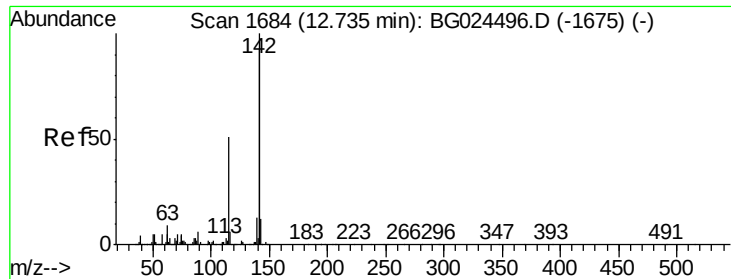
Ion Ratio Lower Upper

113 100

55 389.5 198.6 238.6#

56 246.1 140.4 180.4#

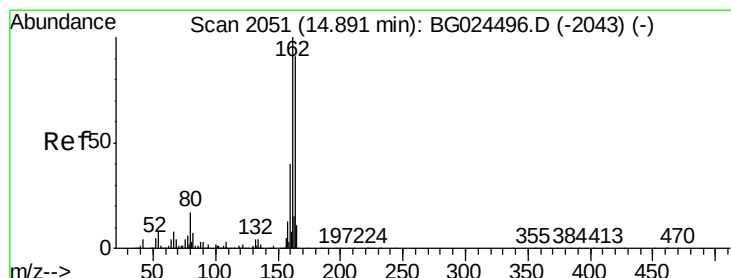
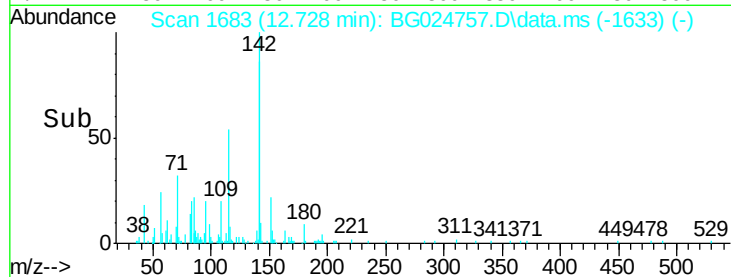
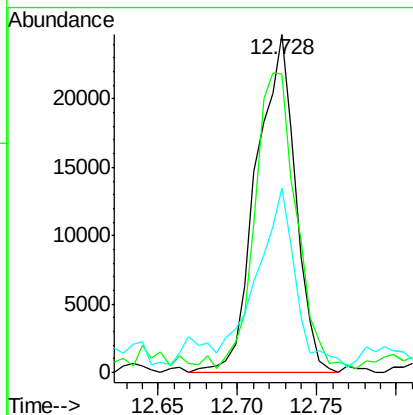
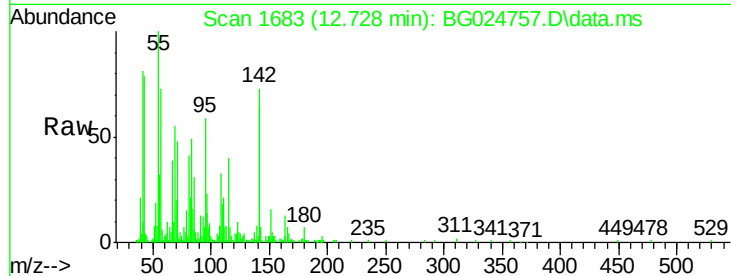




#37
2-Methylnaphthalene
Concen: 2.56 ng
RT: 12.728 min Scan# 16
Delta R.T. -0.007 min
Lab File: BG024757.D
Acq: 8 Nov 2016 13:31

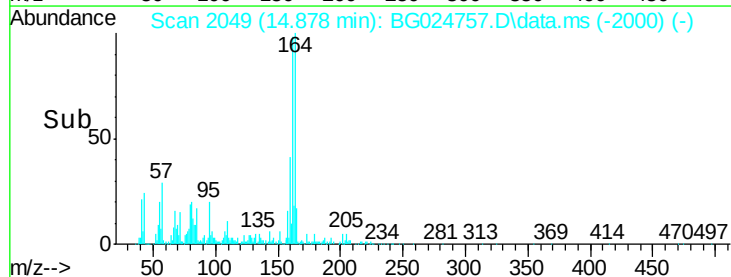
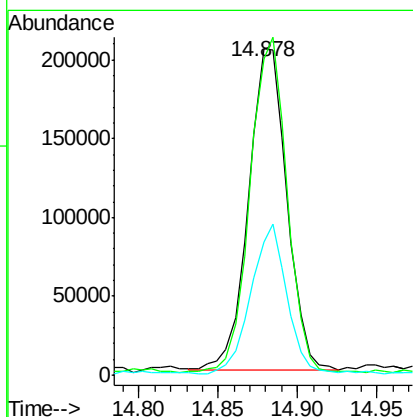
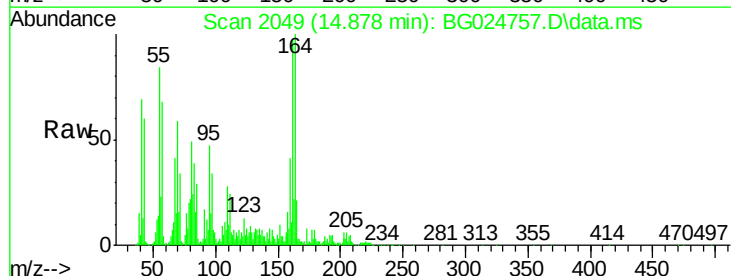
Instrument :
BNA_G
ClientSampleId :

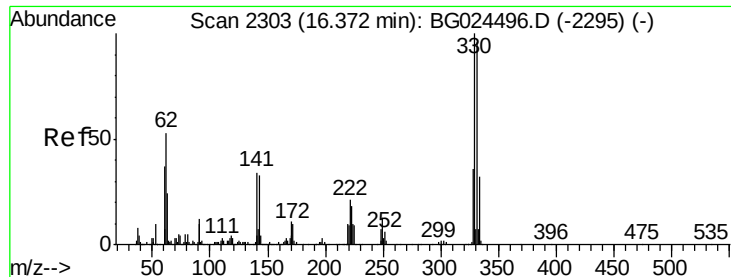
Tot Ion:142 Resp: 42209
Ion Ratio Lower Upper
142 100
141 88.2 70.4 105.6
115 54.7 35.5 53.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.878 min Scan# 2049
Delta R.T. -0.013 min
Lab File: BG024757.D
Acq: 8 Nov 2016 13:31

Tgt Ion:164 Resp: 340676
Ion Ratio Lower Upper
164 100
162 96.8 85.1 127.7
160 40.9 34.7 52.1

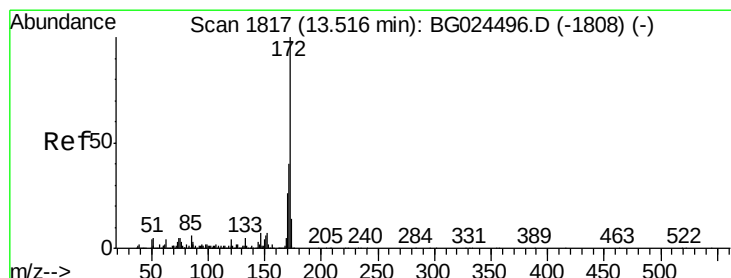
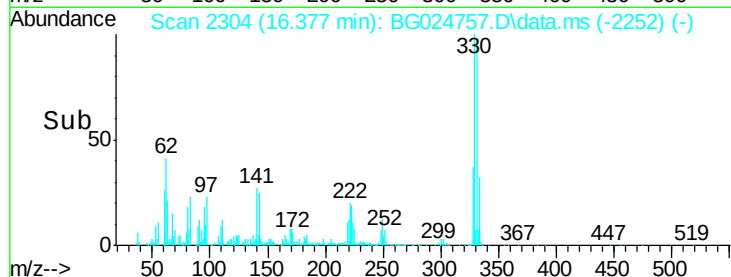
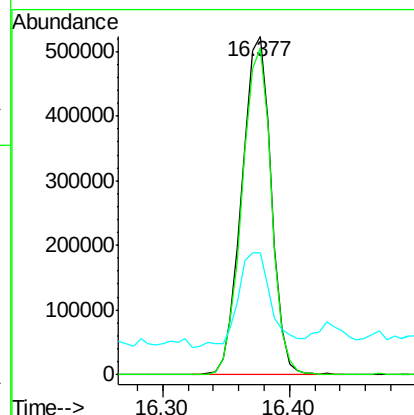
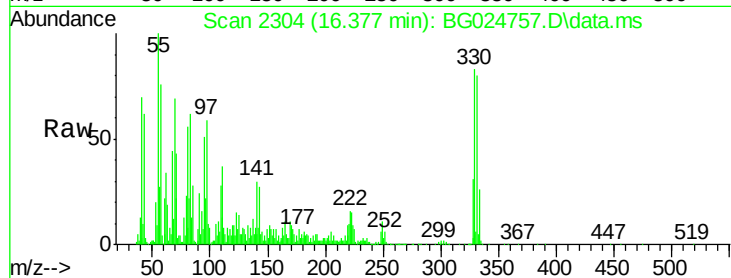




#41
 2,4,6-Tribromophenol
 Concen: 164.73 ng
 RT: 16.377 min Scan# 23
 Delta R.T. 0.005 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

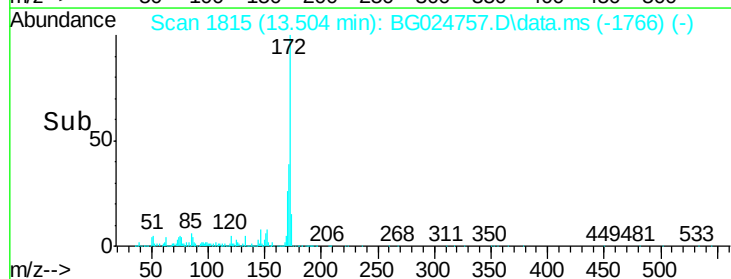
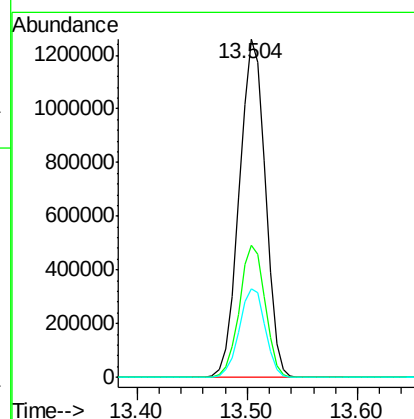
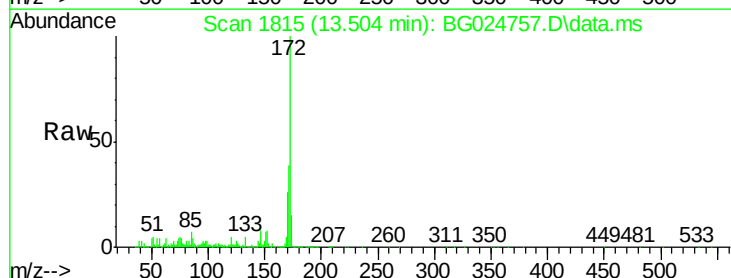
Instrument :
 BNA_G
 ClientSampled :

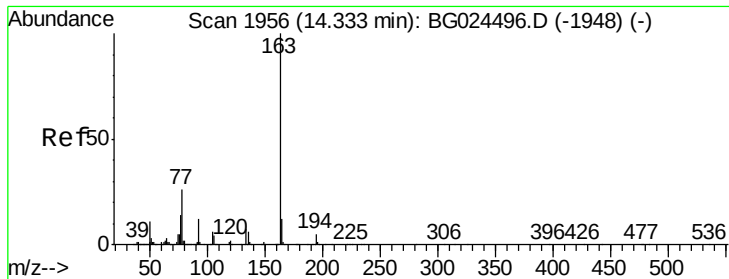
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	30.2	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 101.84 ng
 RT: 13.504 min Scan# 1815
 Delta R.T. -0.013 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	32.2	48.2
170	26.1	21.8	32.6





#49

Dimethylphthalate

Concen: 5.21 ng

RT: 14.314 min Scan# 19

Delta R.T. -0.019 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

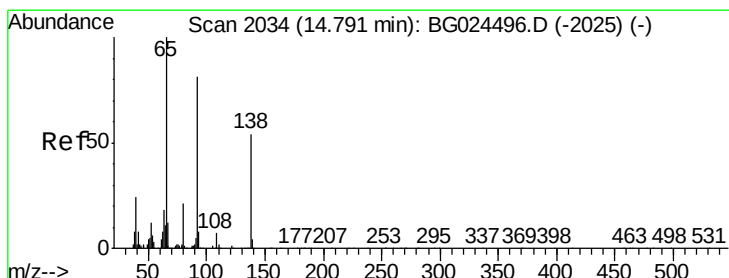
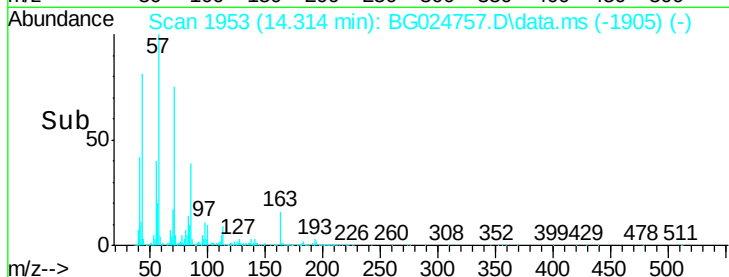
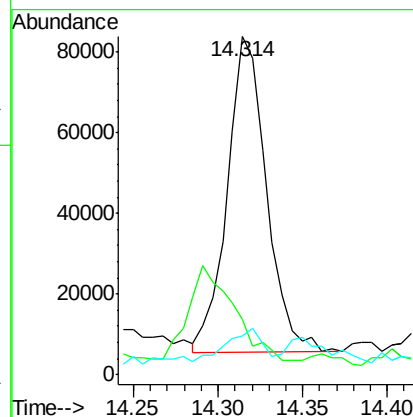
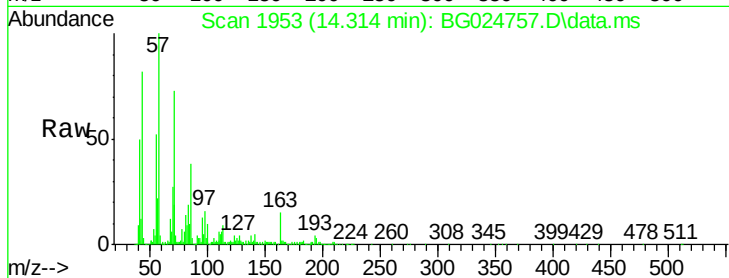
Tot Ion:163 Resp: 125952

Ion Ratio Lower Upper

163 100

194 16.4 3.8 5.6#

164 11.3 9.3 13.9



#52

3-Nitroaniline

Concen: 2.54 ng

RT: 14.779 min Scan# 2032

Delta R.T. -0.013 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

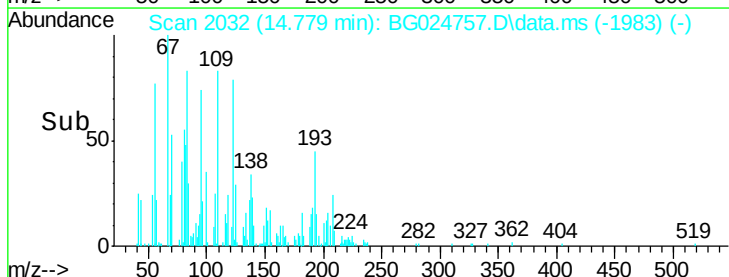
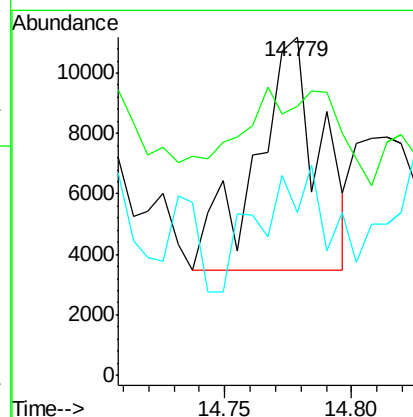
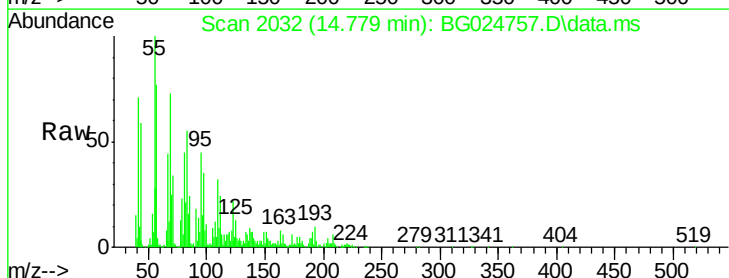
Tgt Ion:138 Resp: 13561

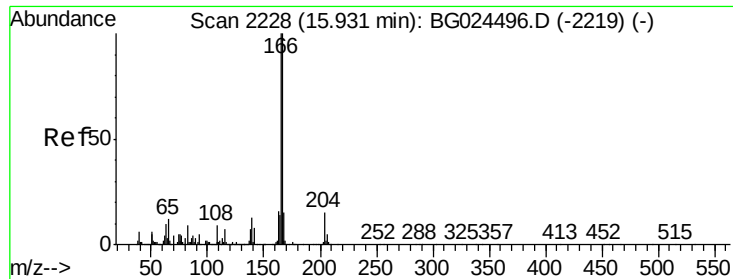
Ion Ratio Lower Upper

138 100

108 79.6 10.9 16.3#

92 48.0 115.3 172.9#

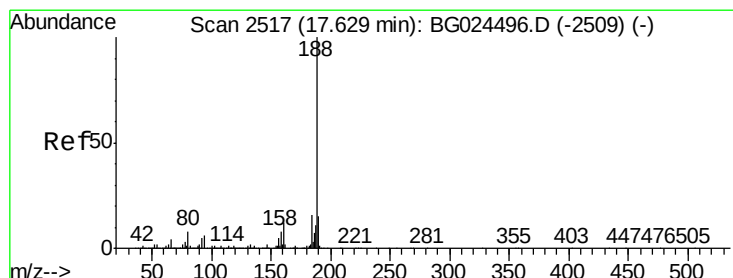
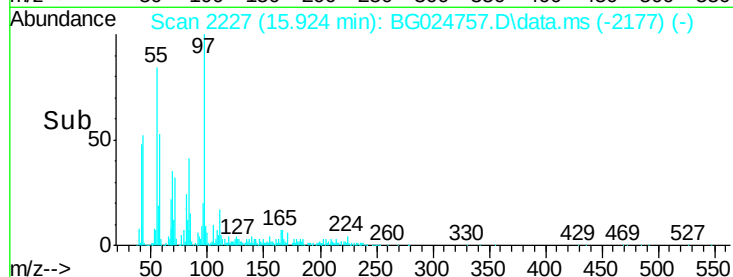
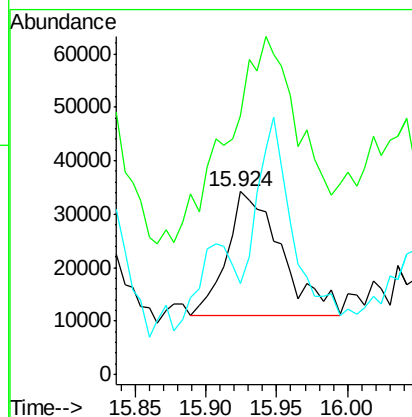
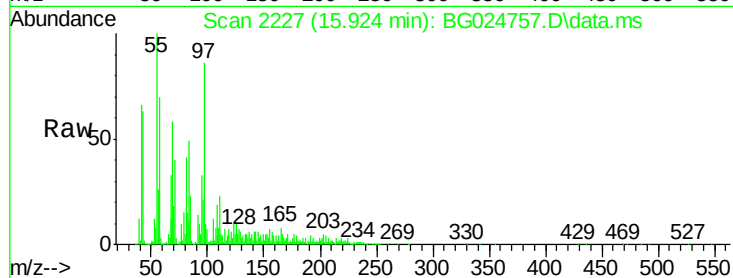




#57
 Fluorene
 Concen: 2.68 ng
 RT: 15.924 min Scan# 22
 Delta R.T. -0.007 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

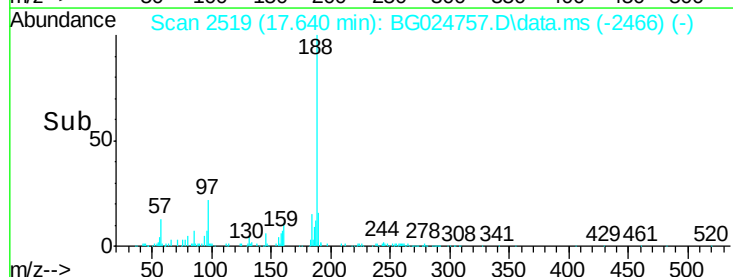
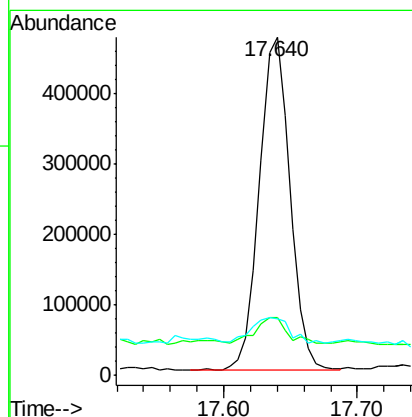
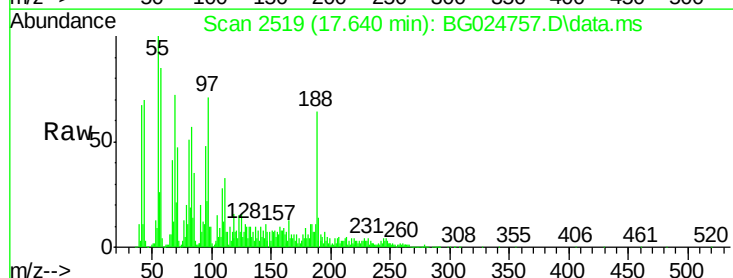
Instrument :
 BNA_G
 ClientSampleId :

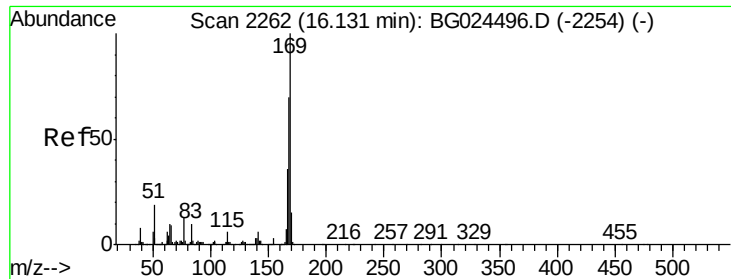
Tot Ion:166 Resp: 63195
 Ion Ratio Lower Upper
 166 100
 165 141.4 78.6 117.8#
 167 50.0 11.6 17.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.640 min Scan# 2519
 Delta R.T. 0.011 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

Tgt Ion:188 Resp: 748963
 Ion Ratio Lower Upper
 188 100
 94 17.2 5.8 8.8#
 80 16.7 7.5 11.3#

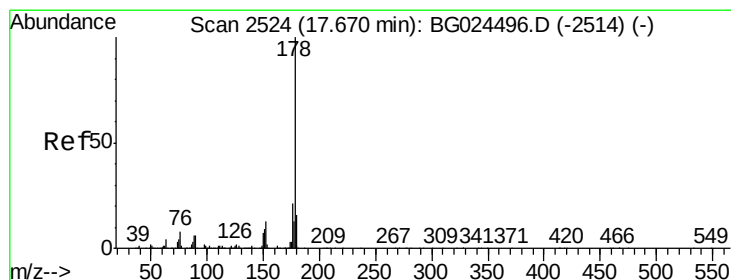
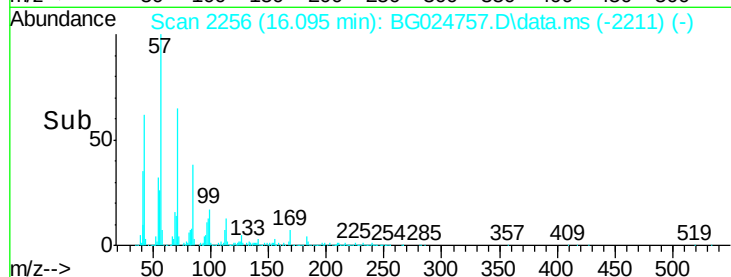
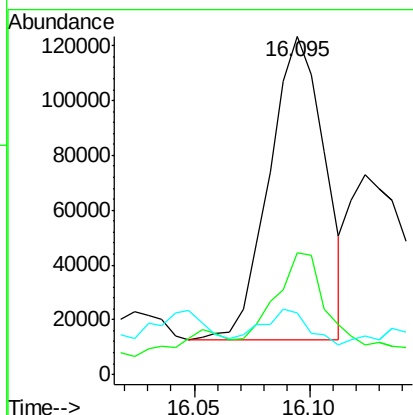
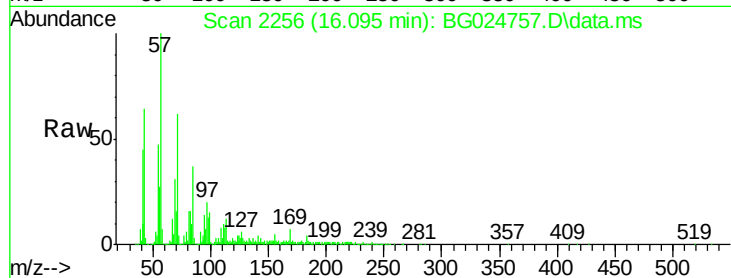




#65
 n-Nitrosodiphenylamine
 Concen: 8.97 ng
 RT: 16.095 min Scan# 22
 Delta R.T. -0.036 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

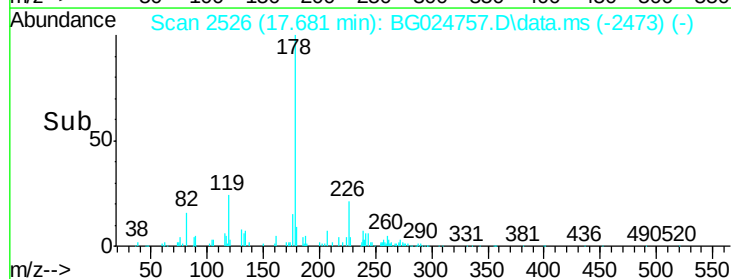
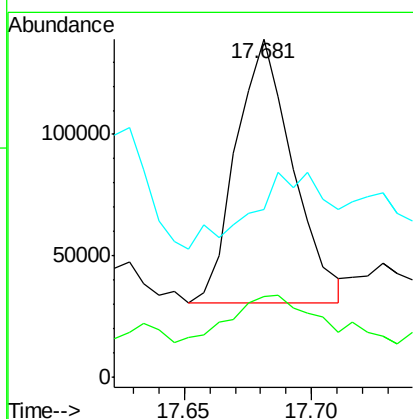
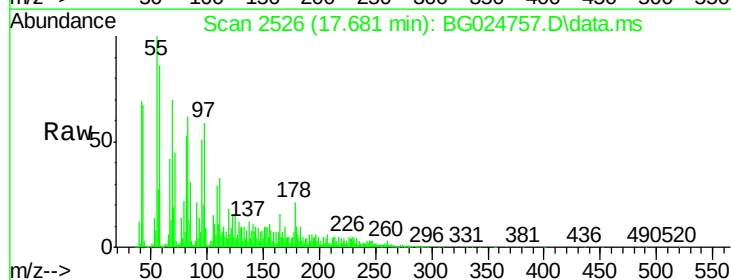
Instrument :
 BNA_G
 ClientSampleId :

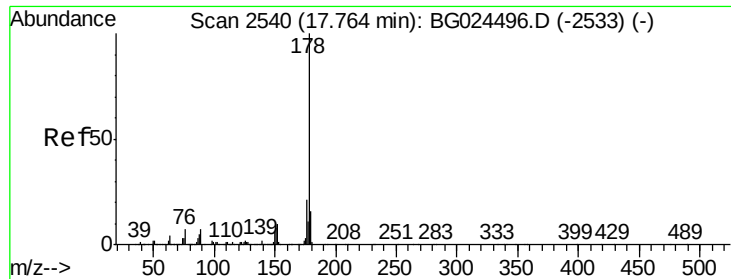
Tot Ion:169 Resp: 183692
 Ion Ratio Lower Upper
 169 100
 168 36.0 55.7 83.5#
 167 18.1 29.8 44.6#



#70
 Phenanthrene
 Concen: 4.43 ng
 RT: 17.681 min Scan# 2526
 Delta R.T. 0.011 min
 Lab File: BG024757.D
 Acq: 8 Nov 2016 13:31

Tgt Ion:178 Resp: 169051
 Ion Ratio Lower Upper
 178 100
 176 23.8 17.7 26.5
 179 49.7 15.0 22.6#





#71

Anthracene

Concen: 2.31 ng

RT: 17.822 min Scan# 25

Delta R.T. 0.058 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Instrument :

BNA_G

ClientSampleId :

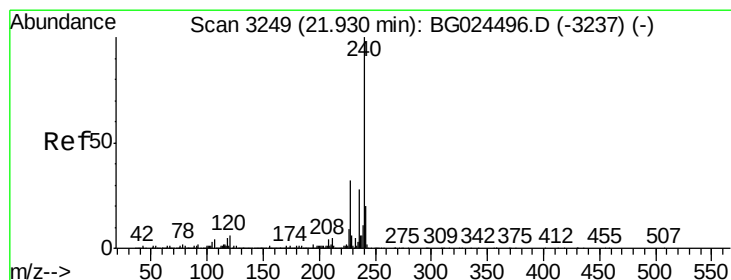
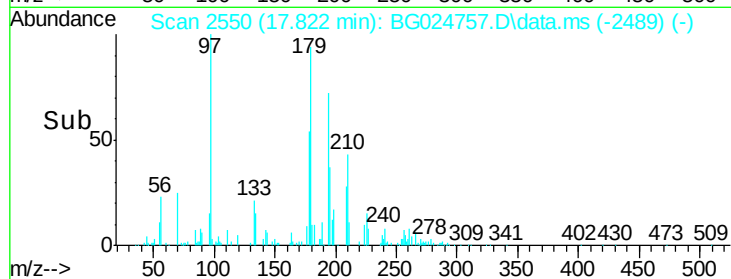
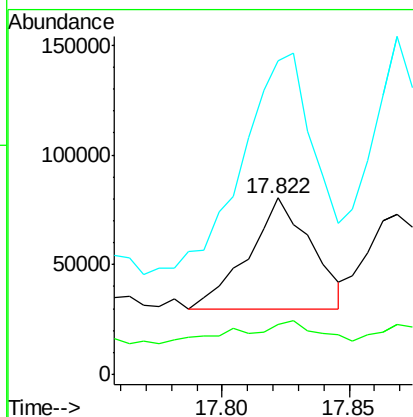
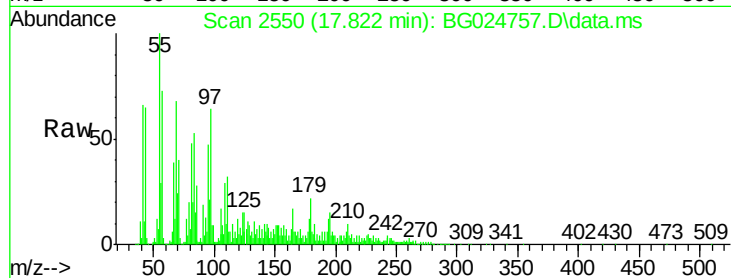
Tot Ion:178 Resp: 88926

Ion Ratio Lower Upper

178 100

176 28.3 16.4 24.6#

179 177.5 13.8 20.8#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.917 min Scan# 3247

Delta R.T. -0.013 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

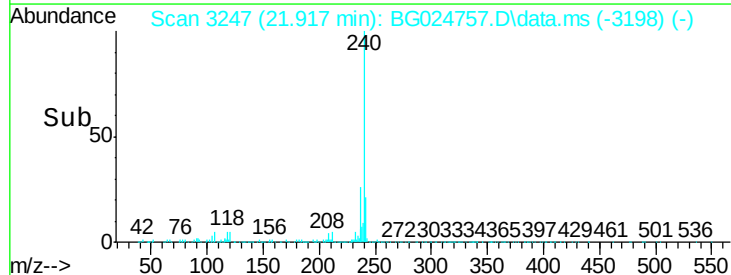
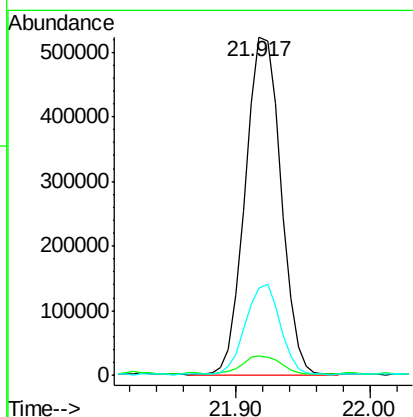
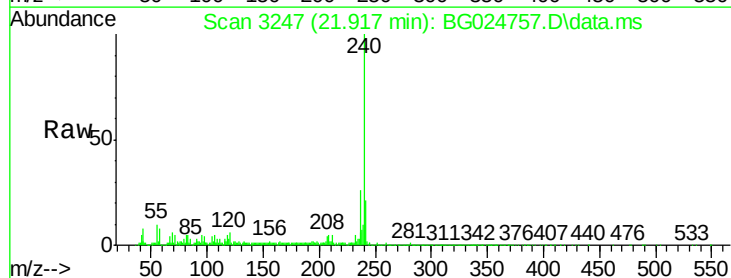
Tgt Ion:240 Resp: 963312

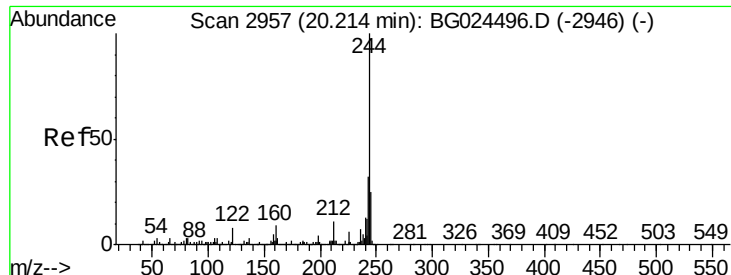
Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

236 25.9 22.2 33.4





#78

Terphenyl-d14

Concen: 91.94 ng

RT: 20.207 min Scan# 29

Delta R.T. -0.007 min

Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

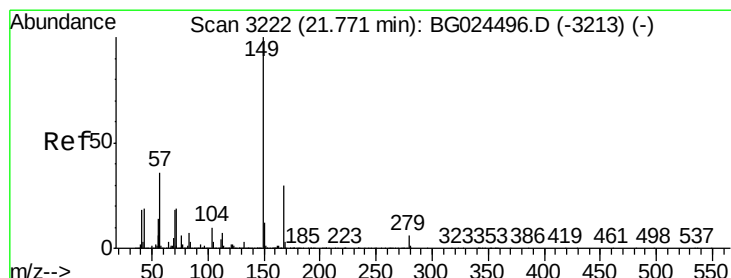
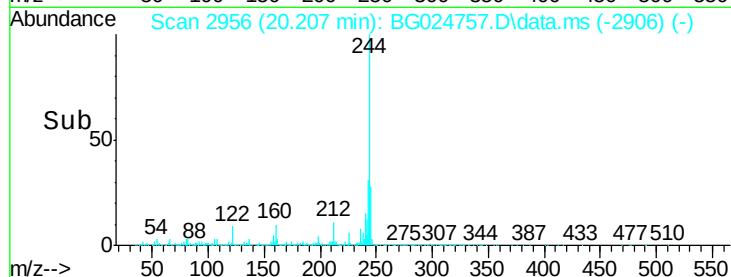
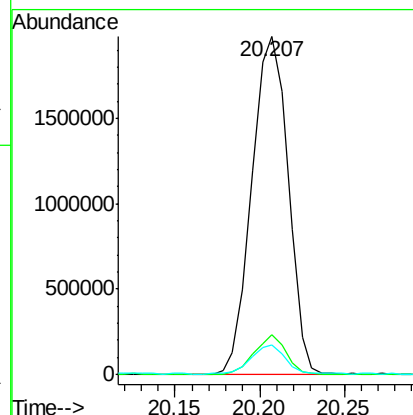
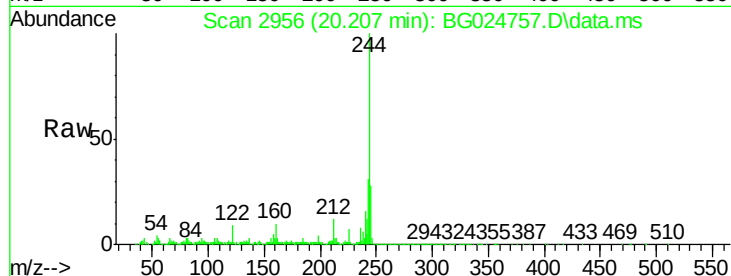
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2963989

Ion	Ratio	Lower	Upper
244	100		
212	11.6	10.0	15.0
122	8.8	8.6	12.8



#83

Bis(2-ethylhexyl)phthalate

Concen: 49.77 ng

RT: 21.759 min Scan# 3220

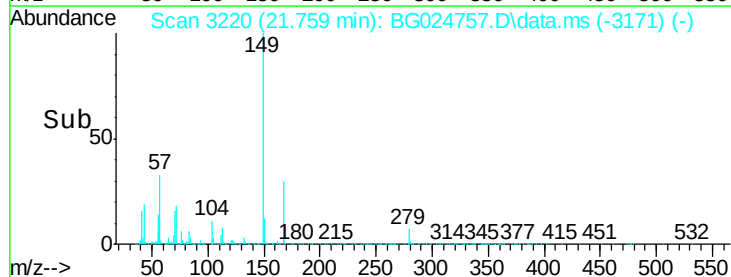
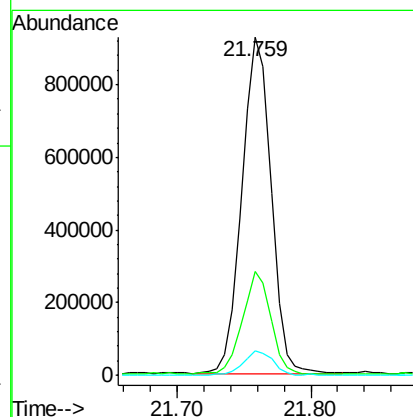
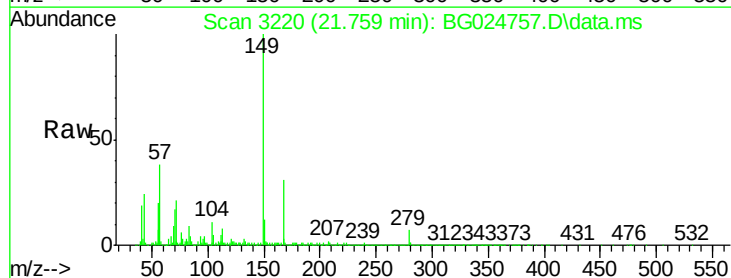
Delta R.T. -0.013 min

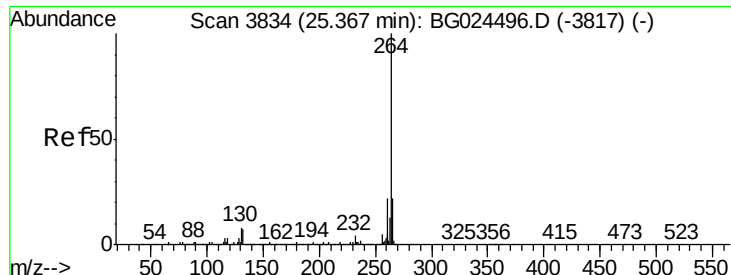
Lab File: BG024757.D

Acq: 8 Nov 2016 13:31

Tgt Ion:149 Resp: 1397625

Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.7	35.5
279	7.1	4.6	6.8





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.349 min Scan# 38
Delta R.T. -0.019 min
Lab File: BG024757.D
Acq: 8 Nov 2016 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.8	32.8
265	21.3	18.2	27.4

