

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032811.D
 Acq On : 24 Feb 2018 5:01
 Operator : SJ/JU
 Sample : J1660-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 05:50:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

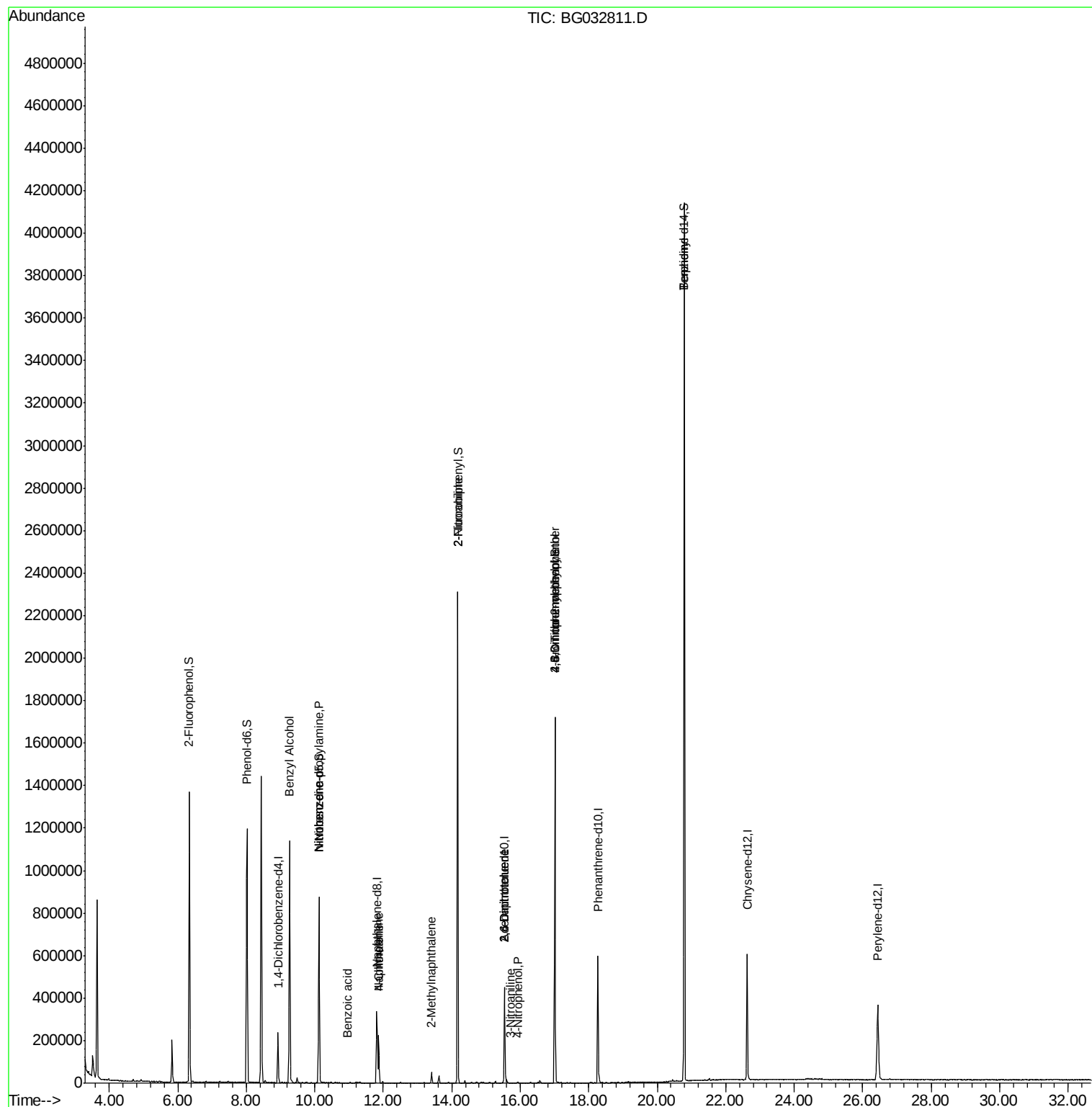
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	71630	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	305507	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	162682	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	374202	20.00	ng	0.00
75) Chrysene-d12	22.63	240	384185	20.00	ng	0.00
86) Perylene-d12	26.44	264	407172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	675298	150.83	ng	0.00
7) Phenol-d6	8.02	99	806240	129.19	ng	0.00
23) Nitrobenzene-d5	10.13	82	551285	120.53	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	305744	178.74	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1183593	104.93	ng	0.00
78) Terphenyl-d14	20.79	244	1827557	106.88	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	9.26	79	9247	2.02	ng	# 29
19) n-Nitroso-di-n-propylamine	10.13	70	72041	16.35	ng	# 81
24) Nitrobenzene	10.13	77	1723	6.69	ng	# 40
31) Naphthalene	11.86	128	203244	12.73	ng	# 98
32) Benzoic acid	10.95	122	219	5.91	ng	# 67
33) 4-Chloroaniline	11.86	127	27757	3.89	ng	# 31
37) 2-Methylnaphthalene	13.41	142	23484	2.03	ng	# 94
47) 2-Nitroaniline	14.17	65	2205	10.49	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	20529	16.21	ng	# 20
52) 3-Nitroaniline	15.71	138	74	7.57	ng	# 1
55) 4-Nitrophenol	15.94	139	1269	7.59	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	20529	14.41	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	1095	6.19	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22074	5.58	ng	# 1
76) Benzidine	20.79	184	31418	2.40	ng	# 91

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
Data File : BG032811.D
Acq On : 24 Feb 2018 5:01
Operator : SJ/JU
Sample : J1660-20
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Feb 24 05:50:59 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration



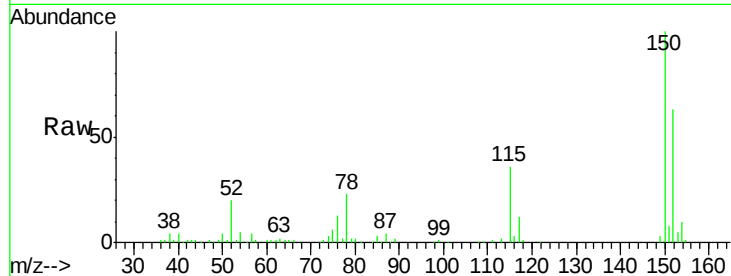


#1

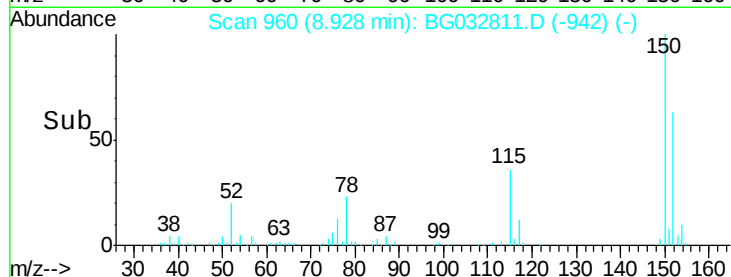
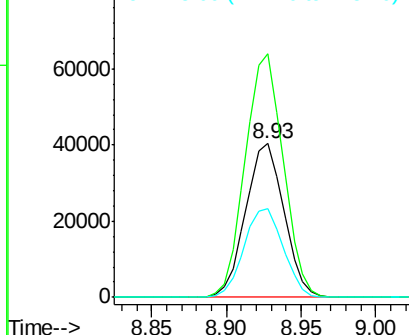
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71630
Ion Ratio Lower Upper
152 100
150 158.7 126.6 189.8
115 57.8 53.0 79.4



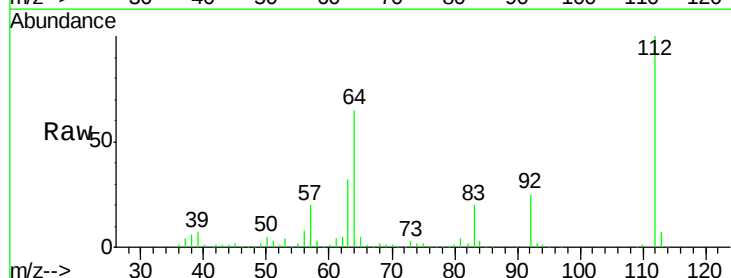
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



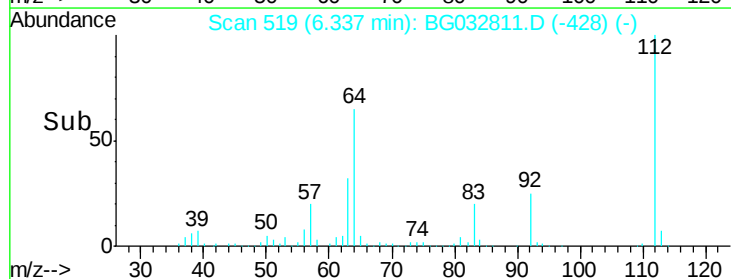
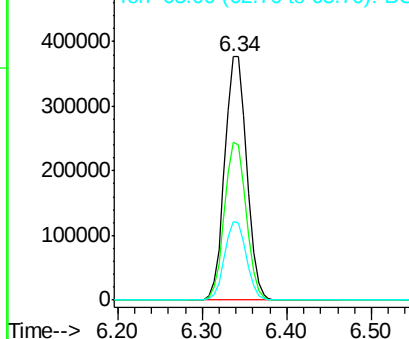
#5

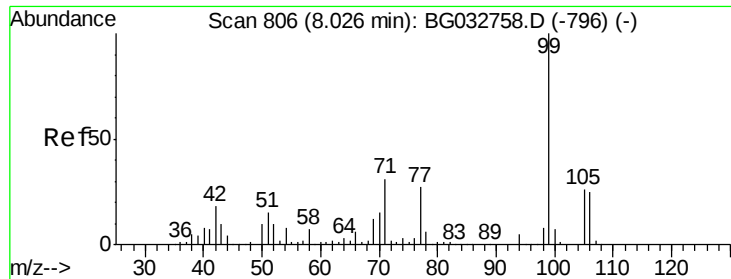
2-Fluorophenol
Concen: 150.83 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Tgt Ion:112 Resp: 675298
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 32.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 129.19 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

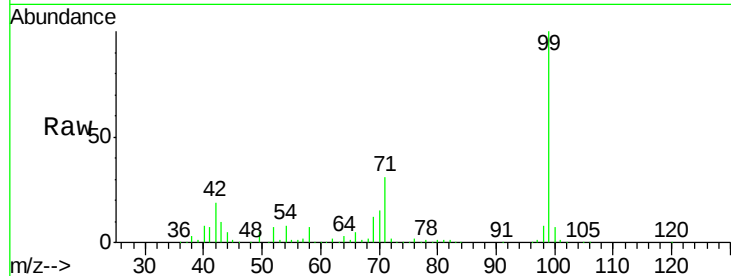
Tot Ion: 99 Resp: 806240

Ion Ratio Lower Upper

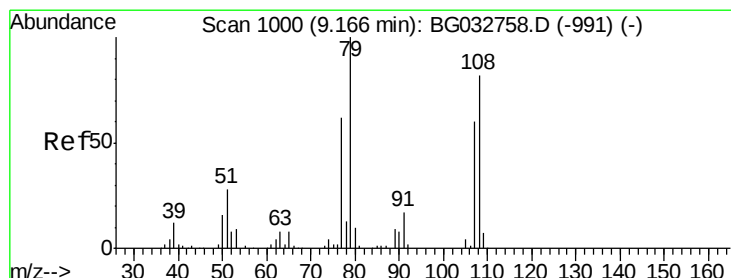
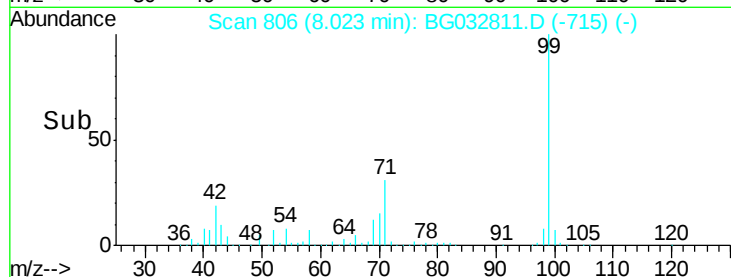
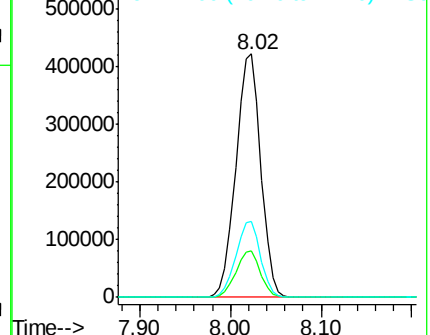
99 100

42 19.3 14.1 21.1

71 31.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.11 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

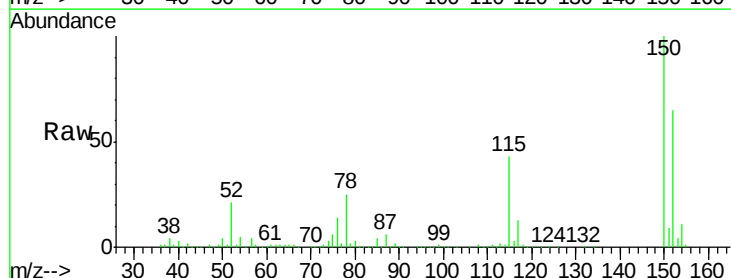
Tgt Ion: 79 Resp: 9247

Ion Ratio Lower Upper

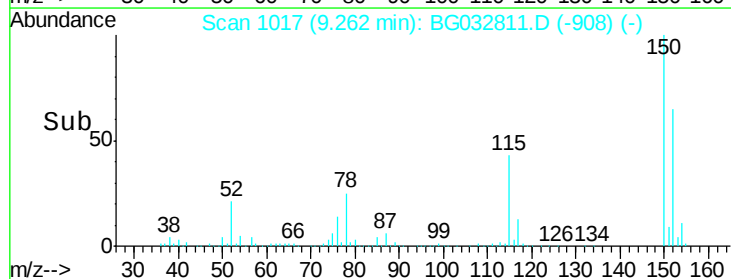
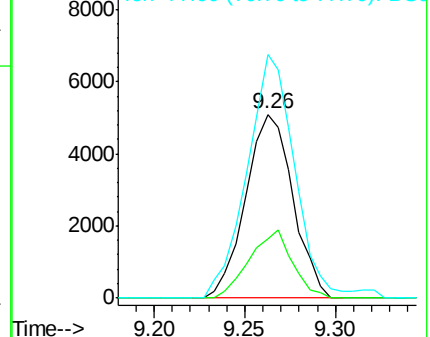
79 100

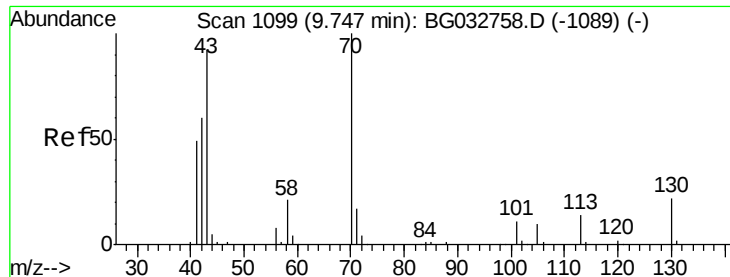
108 32.6 57.2 85.8#

77 132.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

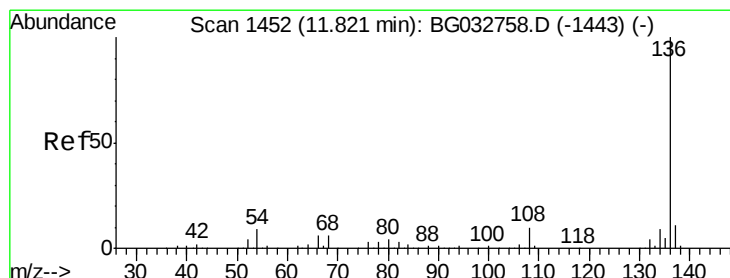
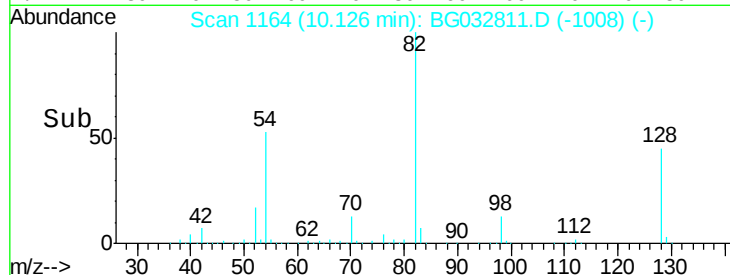
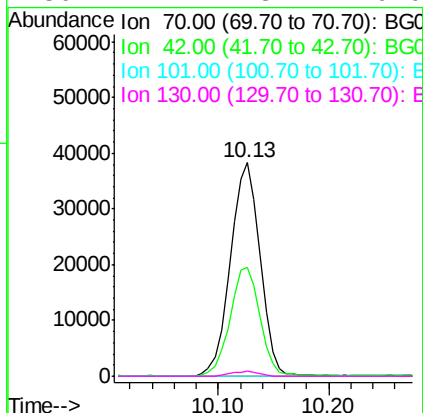
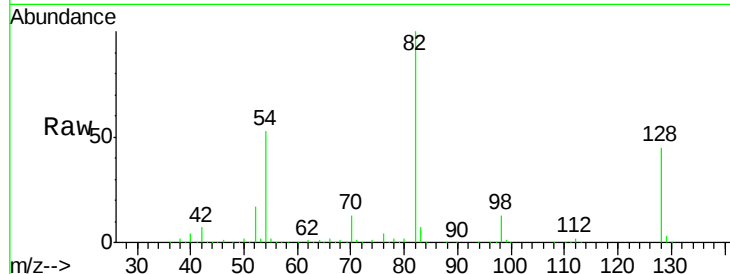




#19
n-Nitroso-di-n-propylamine
Concen: 16.35 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.39 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

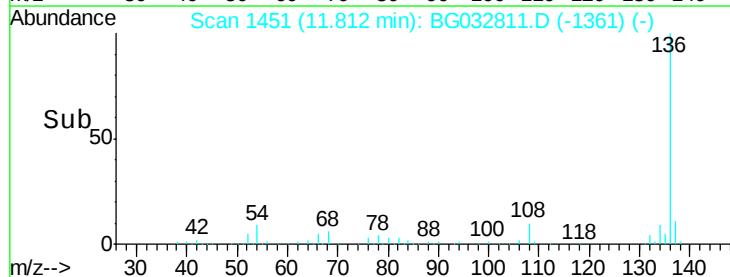
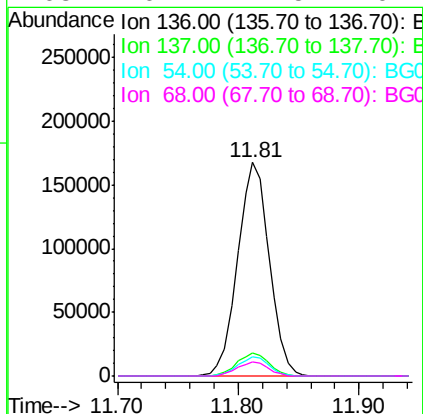
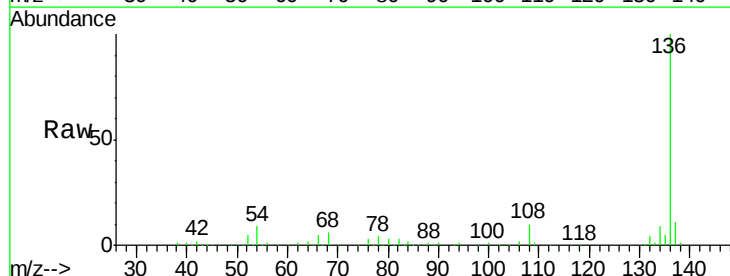
Instrument :
BNA_G
ClientSampled :

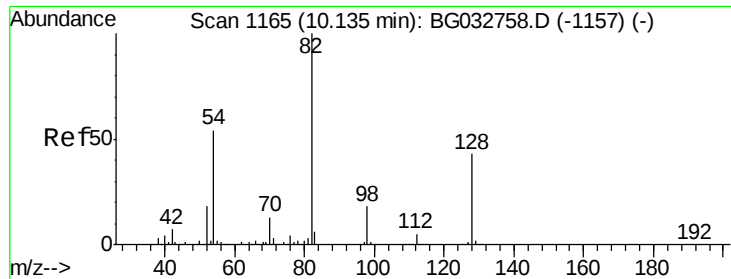
Tot Ion: 70 Resp: 72041
Ion Ratio Lower Upper
70 100
42 51.2 49.1 73.7
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Tgt Ion: 136 Resp: 305507
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 8.9 10.3 15.5#
68 6.4 4.5 6.7

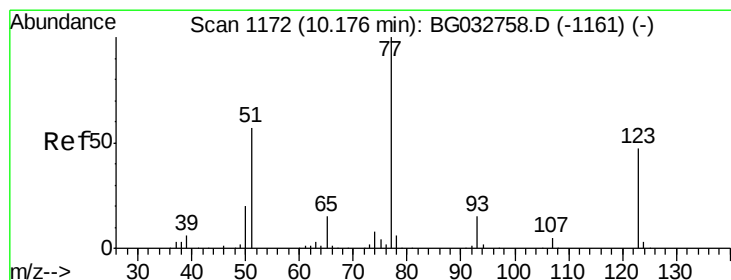
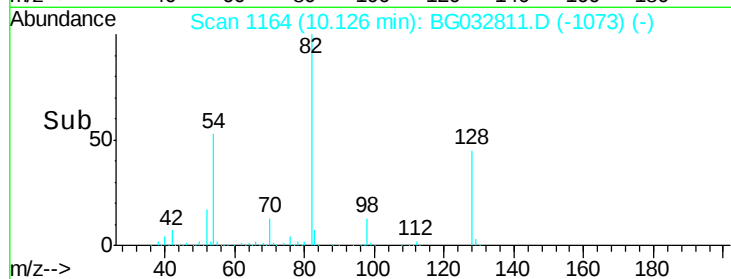
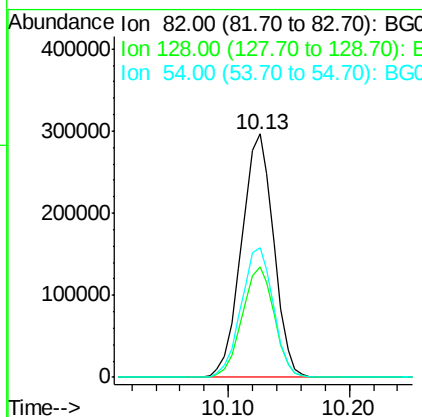
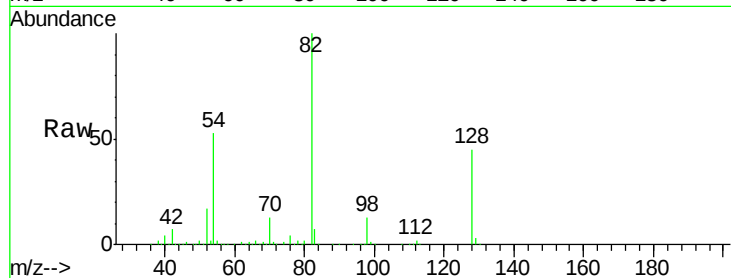




#23
 Nitrobenzene-d5
 Concen: 120.53 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032811.D
 Acq: 24 Feb 2018 5:01

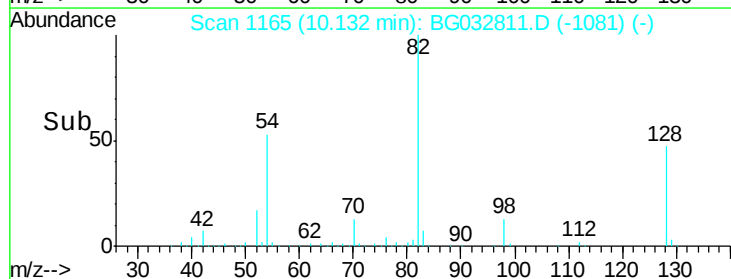
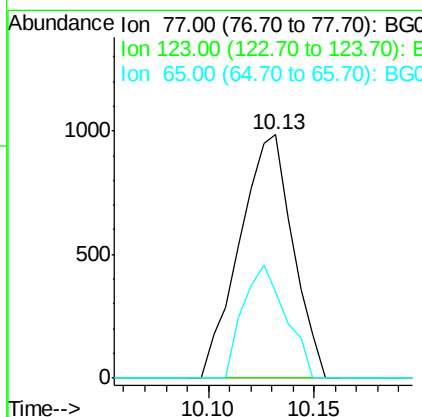
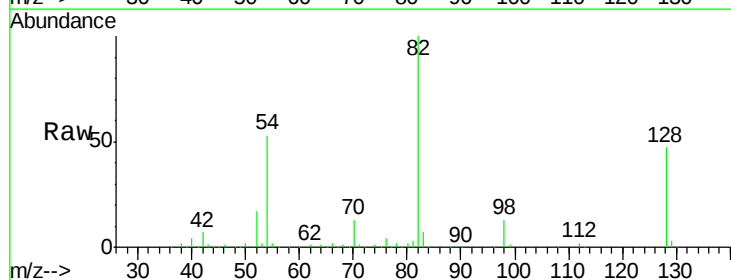
Instrument :
 BNA_G
 ClientSampled :

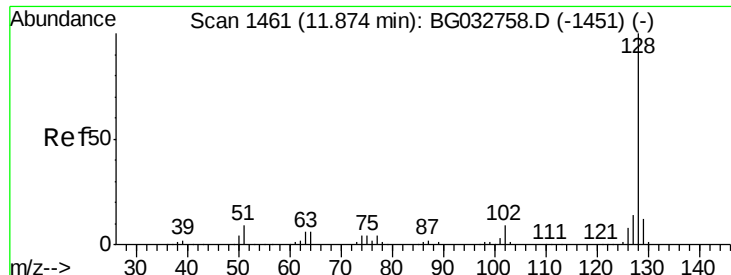
Tot Ion	82	Resp	551285
Ion Ratio	Lower	Upper	
82	100		
128	45.5	29.7	44.5#
54	53.1	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.69 ng
 RT: 10.13 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: BG032811.D
 Acq: 24 Feb 2018 5:01

Tgt Ion	77	Resp	1723
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	35.4	13.0	19.6#

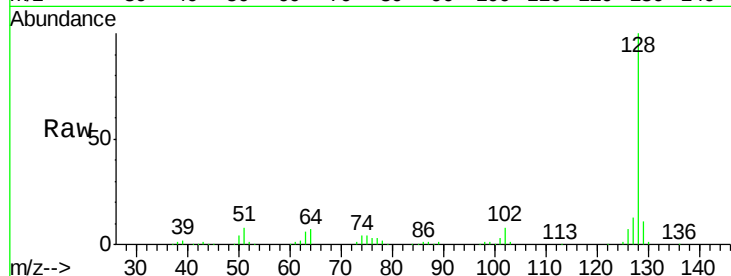




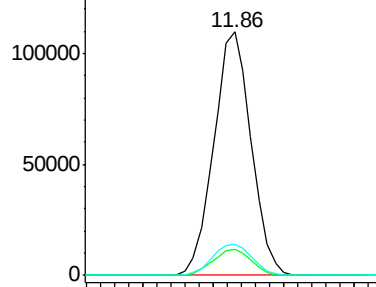
#31
Naphthalene
Concen: 12.73 ng
RT: 11.86 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Instrument :
BNA_G
ClientSampleId :

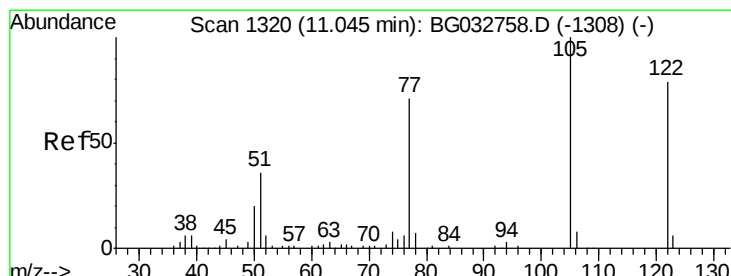
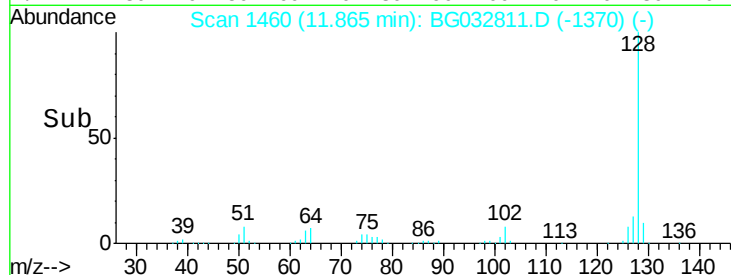
Tot Ion:128 Resp: 203244
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

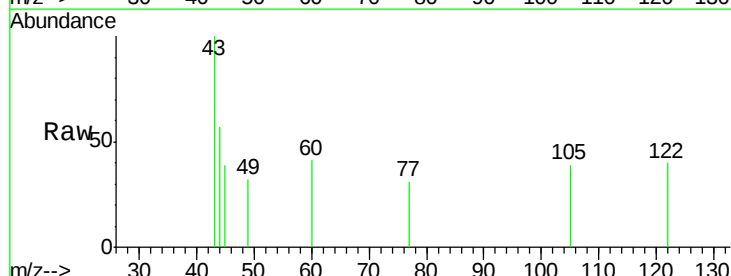


Time-->

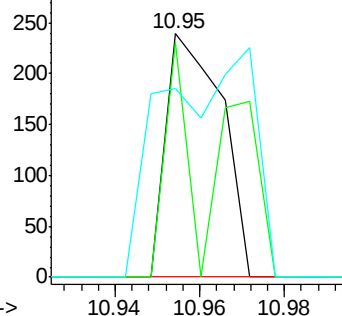


#32
Benzoic acid
Concen: 5.91 ng
RT: 10.95 min Scan# 1305
Delta R.T. -0.08 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

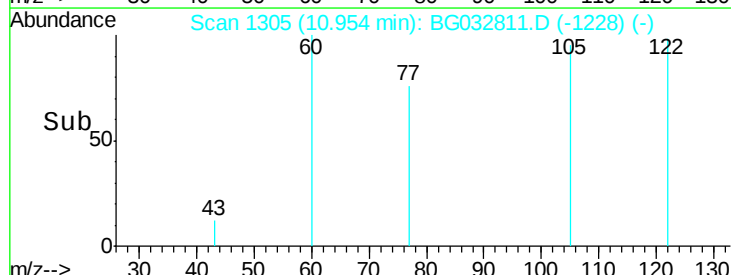
Tgt Ion:122 Resp: 219
Ion Ratio Lower Upper
122 100
105 96.7 123.5 163.5#
77 77.4 85.7 125.7#

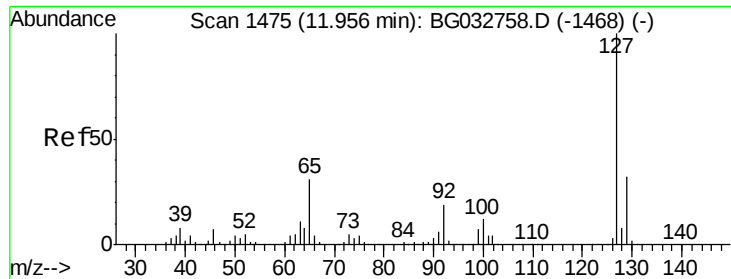


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG



Time-->

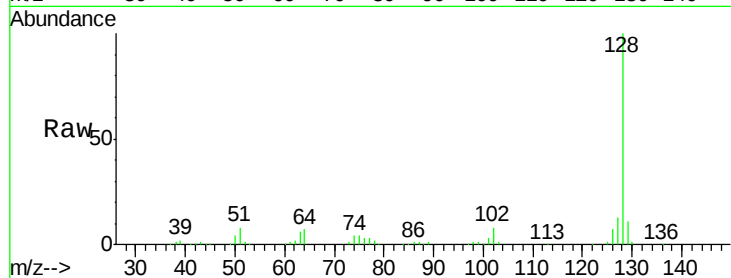




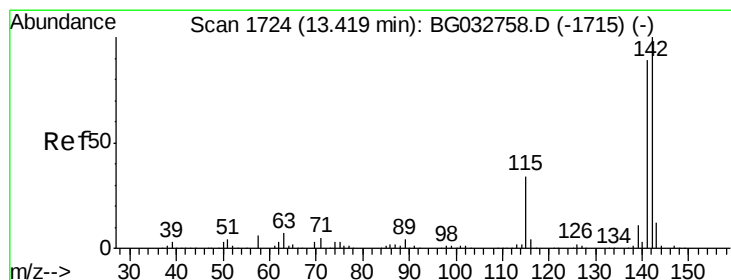
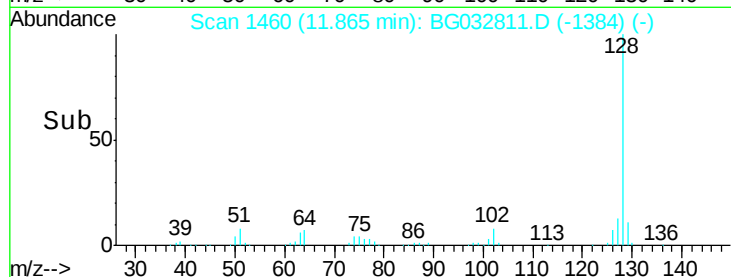
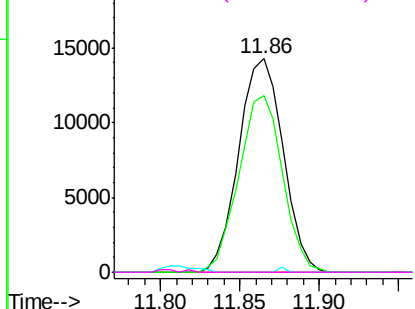
#33
4-Chloroaniline
Concen: 3.89 ng
RT: 11.86 min Scan# 1460
Delta R.T. -0.08 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127	Resp:	27757
Ion Ratio	Lower	Upper
127	100	
129	83.0	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#

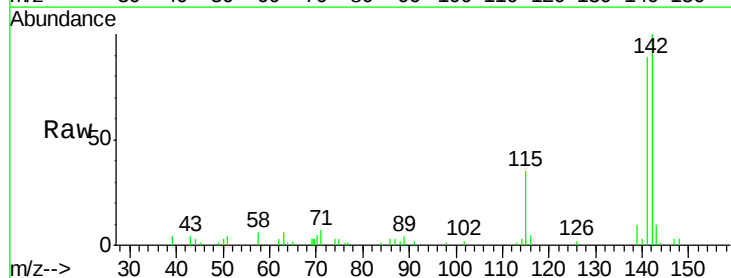


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

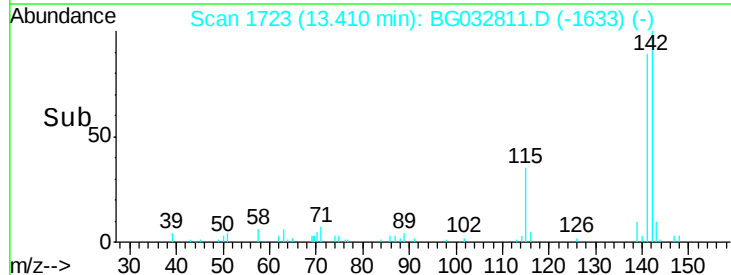
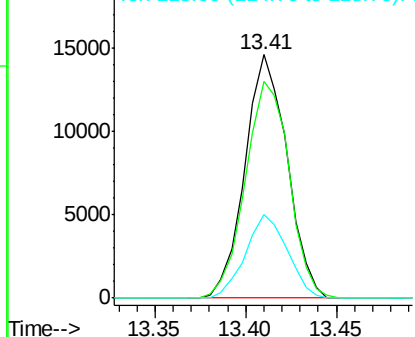


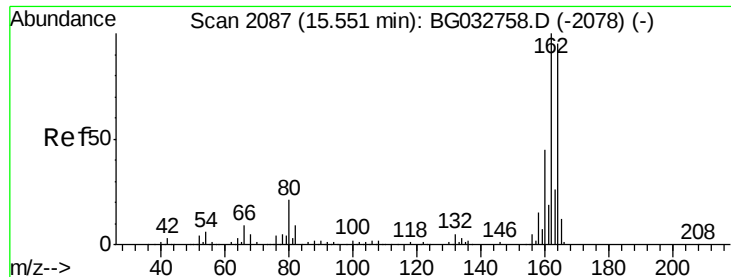
#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 13.41 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Tgt Ion:142	Resp:	23484
Ion Ratio	Lower	Upper
142	100	
141	89.2	67.1 100.7
115	34.6	30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

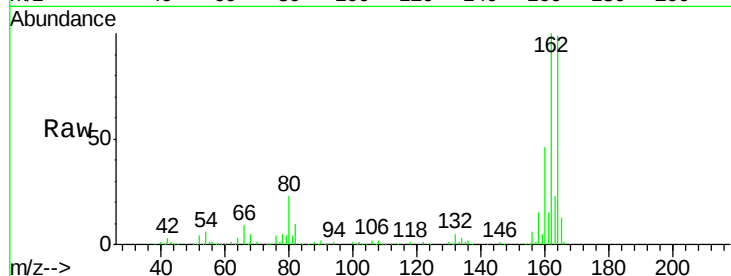
Tot Ion:164 Resp: 162682

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

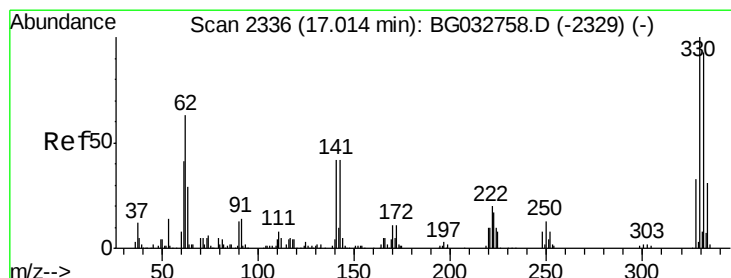
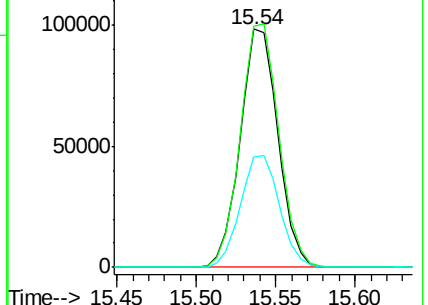
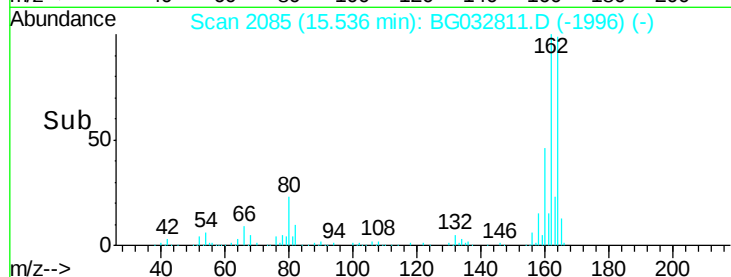
160 46.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 178.74 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

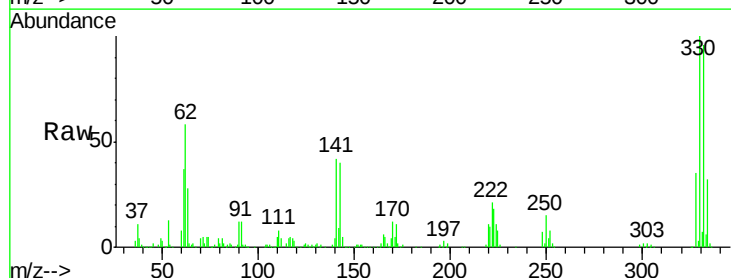
Tgt Ion:330 Resp: 305744

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

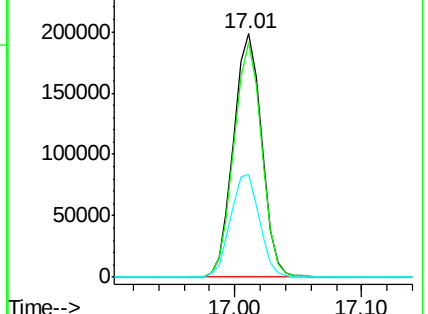
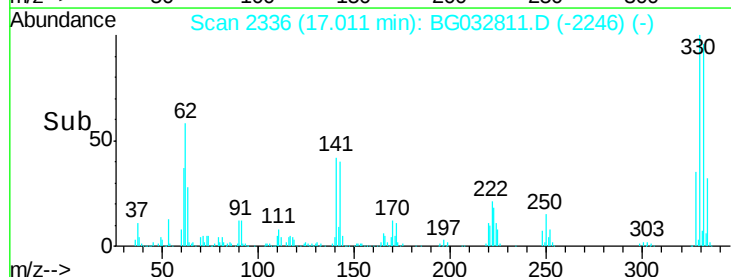
141 43.4 25.2 37.8#

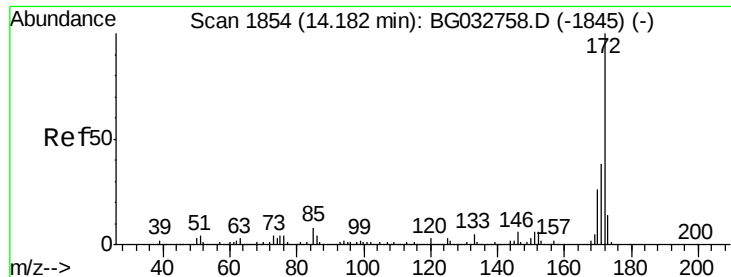


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 104.93 ng

RT: 14.17 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

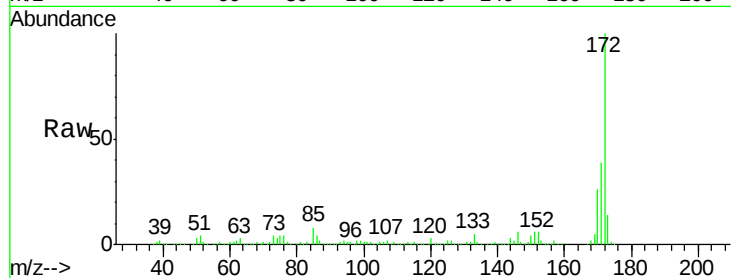
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1183593

Ion	Ratio	Lower	Upper
172	100		
171	39.4	30.0	45.0
170	25.9	19.5	29.3

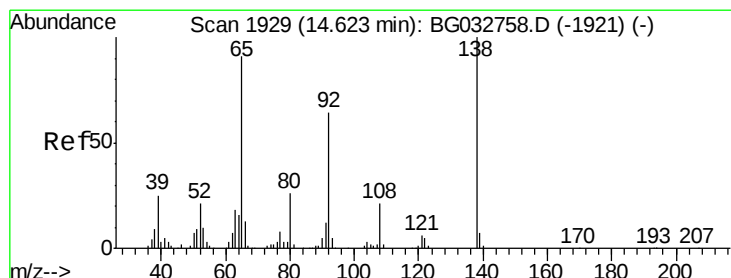
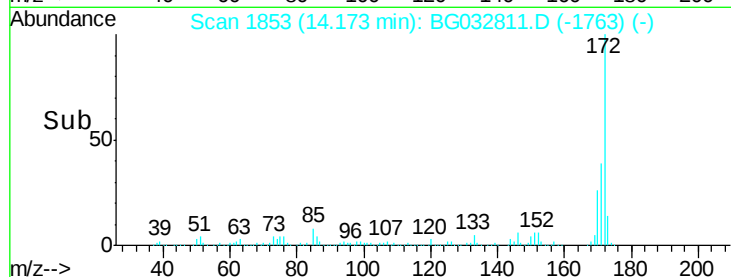
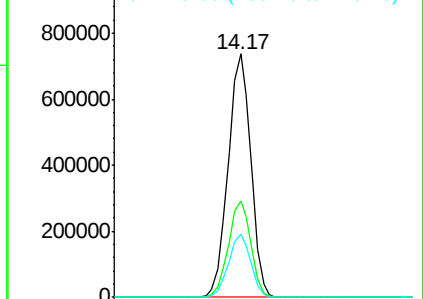


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#47

2-Nitroaniline

Concen: 10.49 ng

RT: 14.17 min Scan# 1853

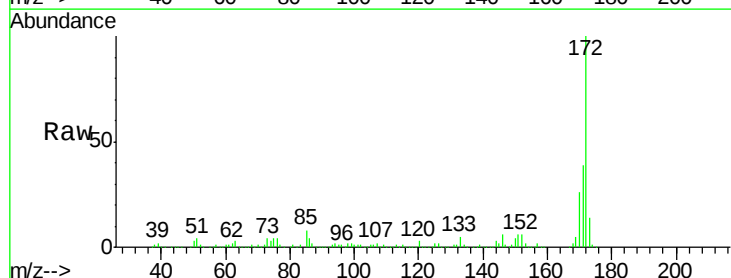
Delta R.T. -0.44 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Tgt Ion: 65 Resp: 2205

Ion	Ratio	Lower	Upper
65	100		
92	171.1	54.6	82.0#
138	30.1	72.9	109.3#

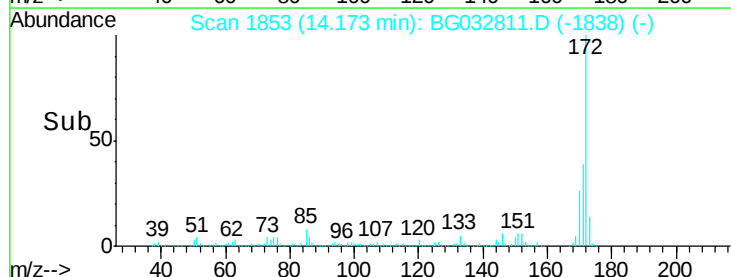
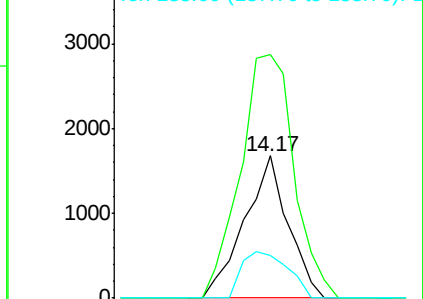


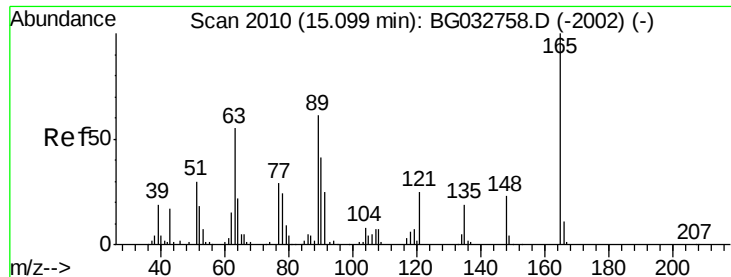
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC





#50

2,6-Dinitrotoluene

Concen: 16.21 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

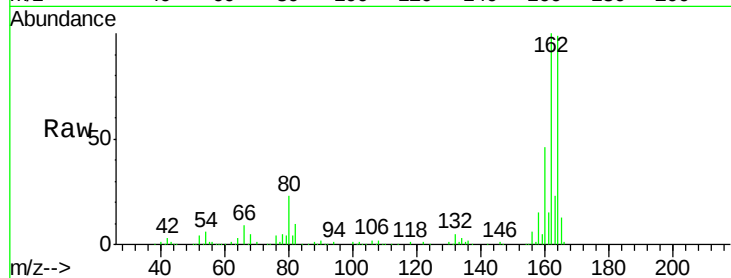
Tot Ion:165 Resp: 20529

Ion Ratio Lower Upper

165 100

63 1.2 52.7 79.1#

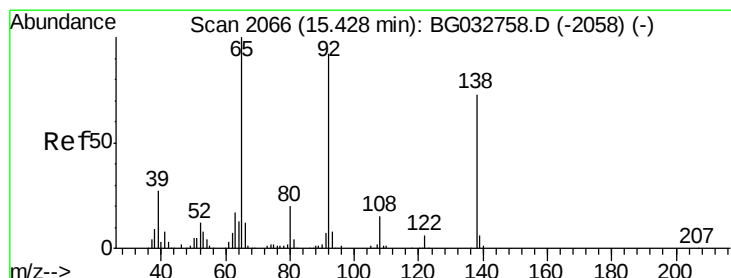
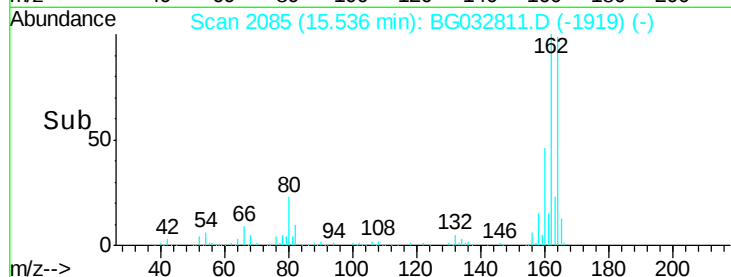
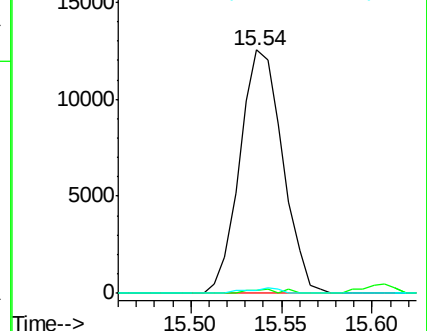
89 1.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

3-Nitroaniline

Concen: 7.57 ng

RT: 15.71 min Scan# 2114

Delta R.T. 0.29 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

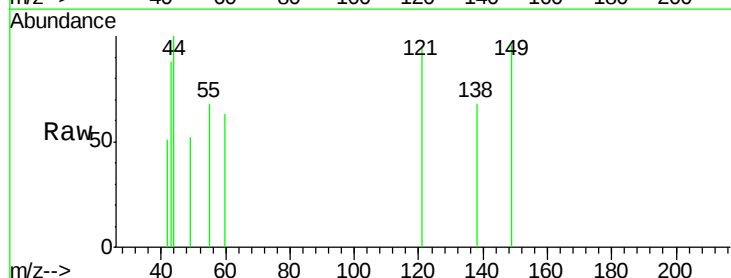
Tgt Ion:138 Resp: 74

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

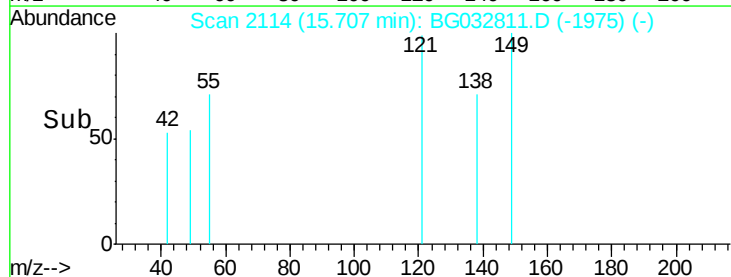
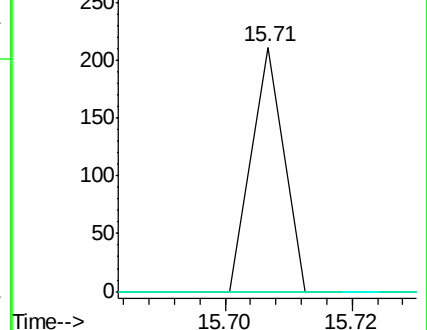
92 0.0 105.8 158.8#

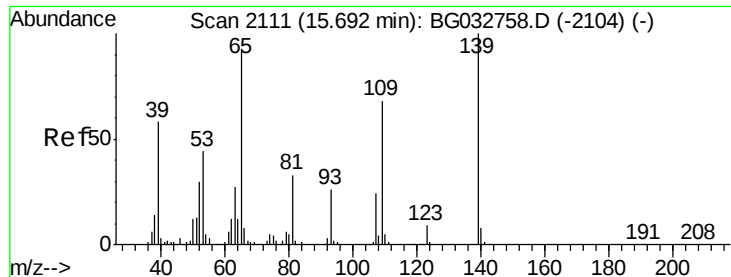


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#55

4-Nitrophenol

Concen: 7.59 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.25 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

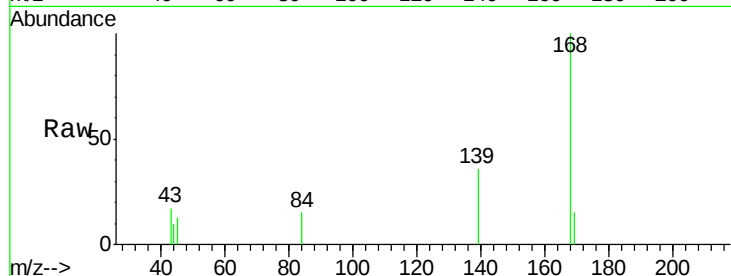
Tot Ion:139 Resp: 1269

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

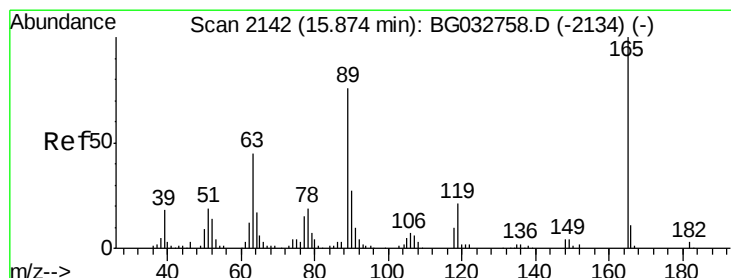
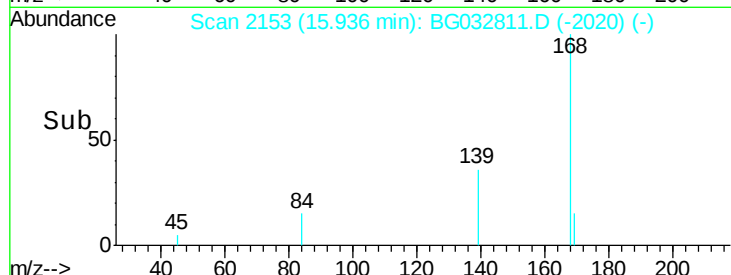
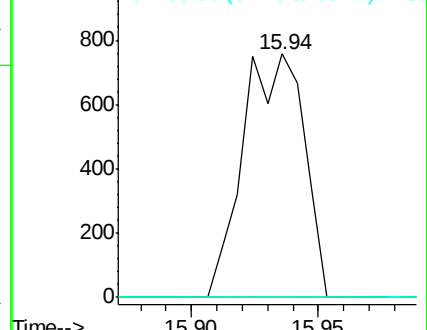
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.41 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Tgt Ion:165 Resp: 20529

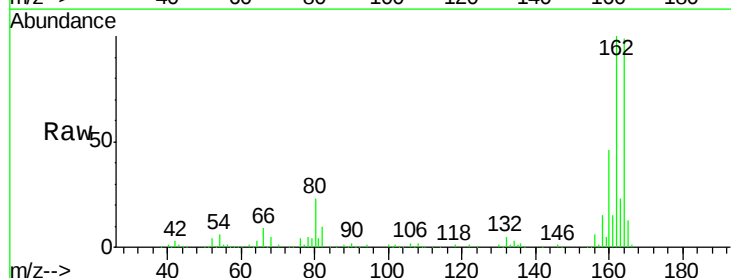
Ion Ratio Lower Upper

165 100

63 1.2 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

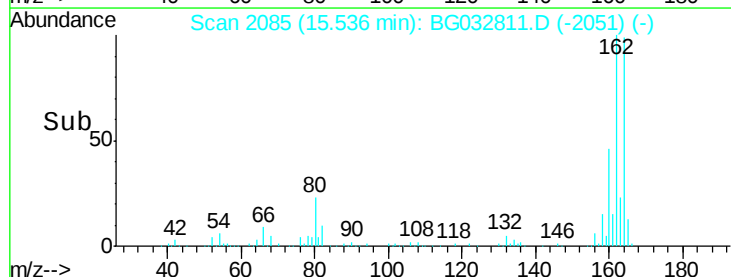
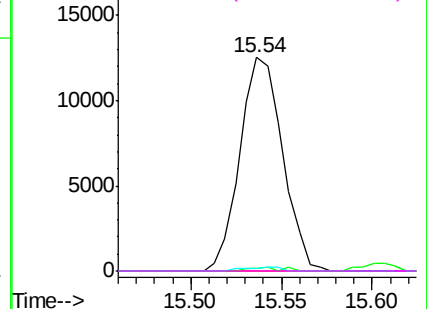


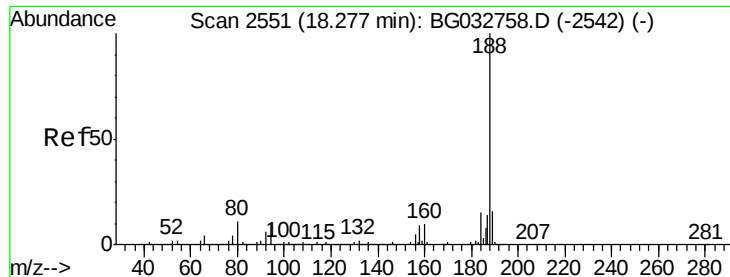
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

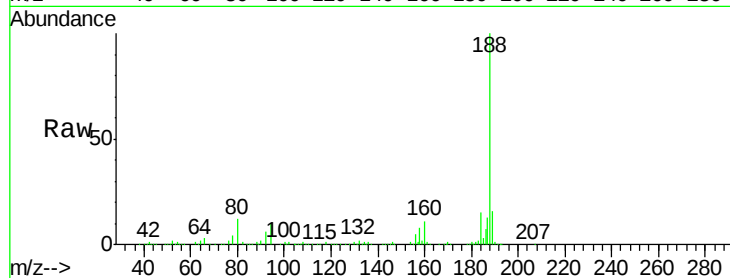
Tot Ion:188 Resp: 374202

Ion Ratio Lower Upper

188 100

94 10.0 6.9 10.3

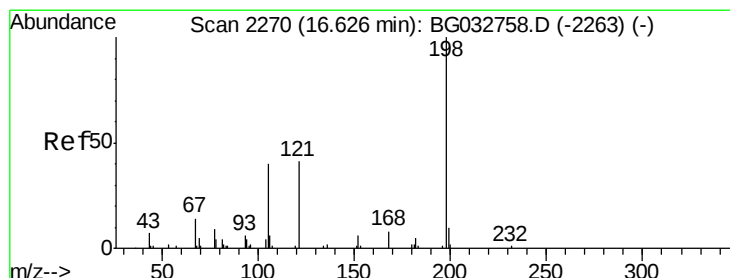
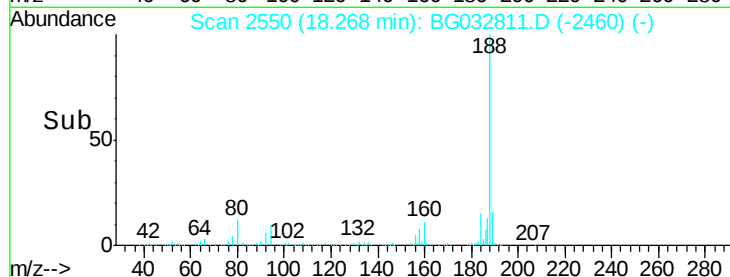
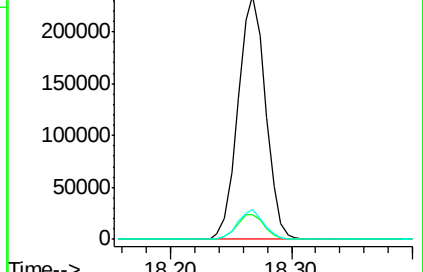
80 12.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.19 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

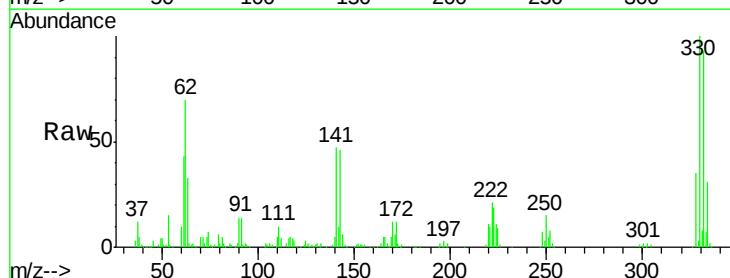
Tgt Ion:198 Resp: 1095

Ion Ratio Lower Upper

198 100

51 144.9 30.6 70.6#

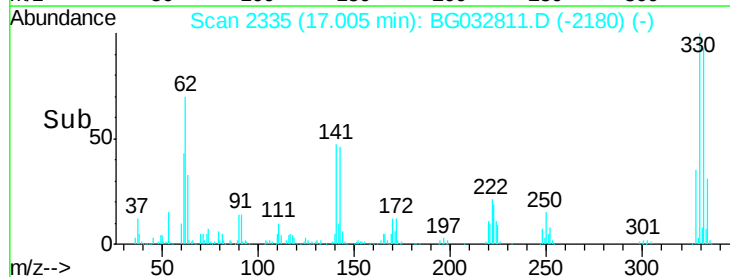
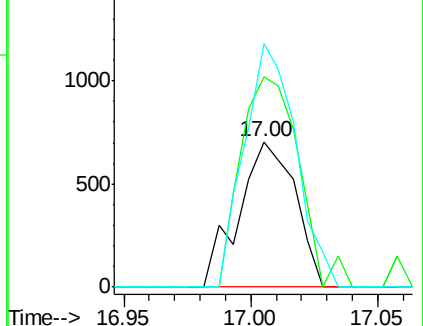
105 167.6 23.8 63.8#

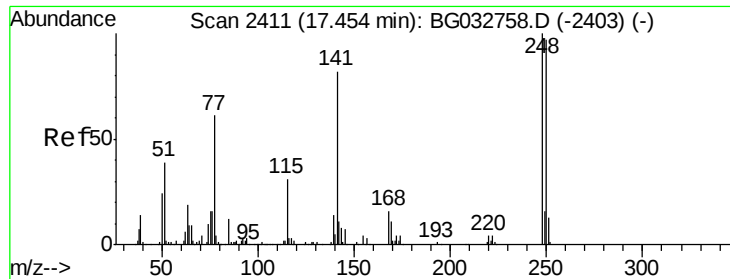


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

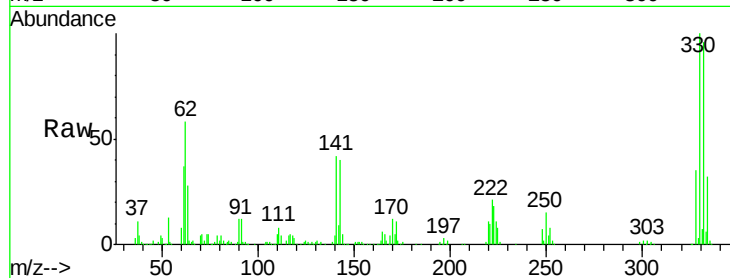




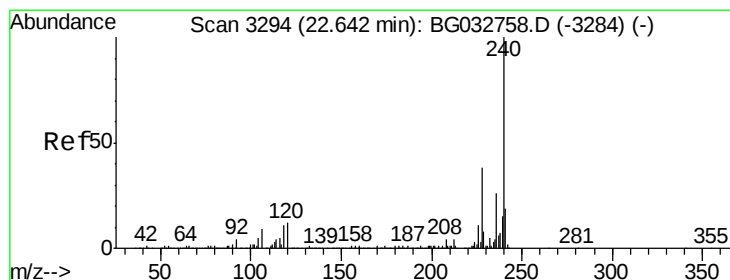
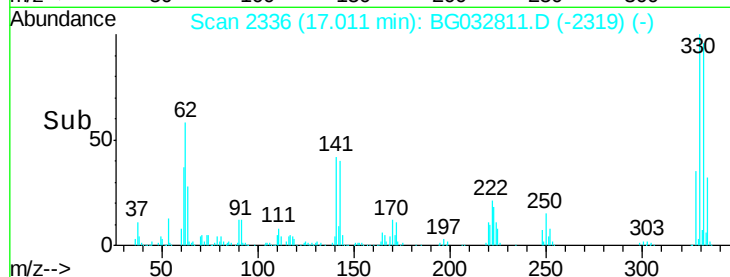
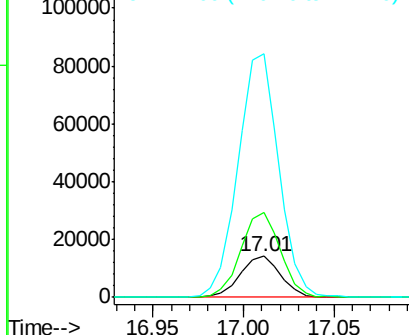
#66
4-Bromophenyl-phenylether
Concen: 5.58 ng
RT: 17.01 min Scan# 2336
Delta R.T. -0.43 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 22074
Ion Ratio Lower Upper
248 100
250 208.5 77.1 115.7#
141 596.5 50.8 76.2#

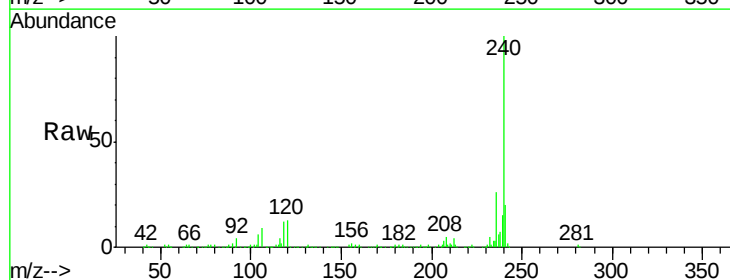


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

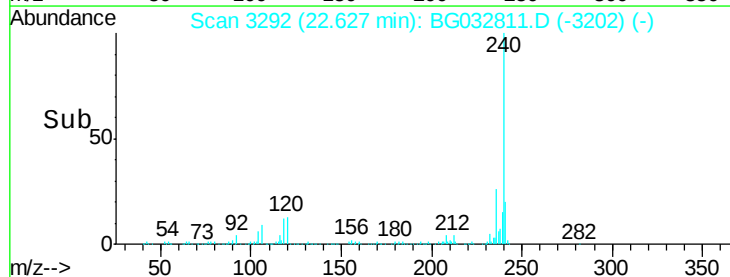
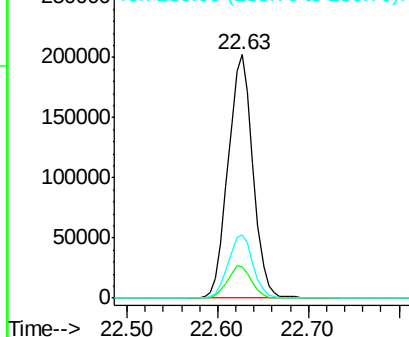


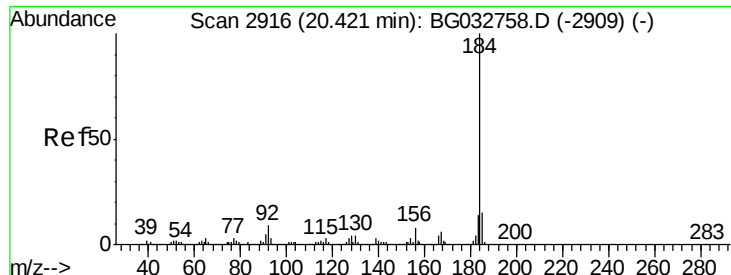
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.63 min Scan# 3292
Delta R.T. -0.00 min
Lab File: BG032811.D
Acq: 24 Feb 2018 5:01

Tgt Ion:240 Resp: 384185
Ion Ratio Lower Upper
240 100
120 13.0 6.8 10.2#
236 25.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.40 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

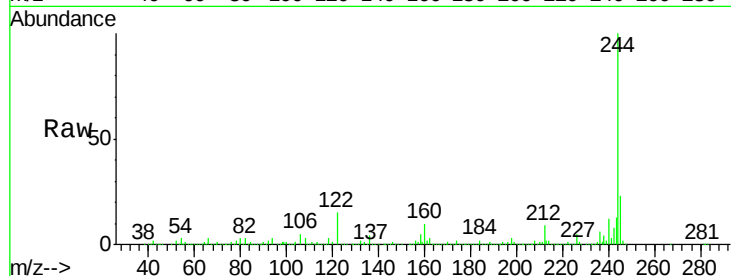
Tot Ion:184 Resp: 31418

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

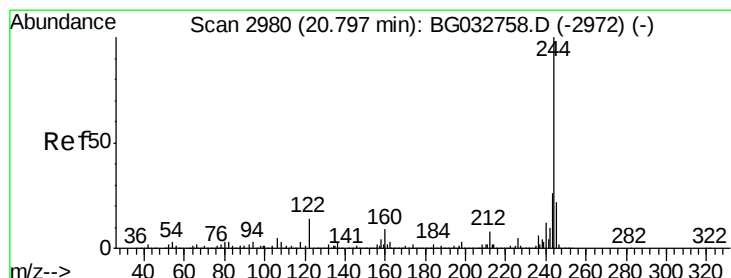
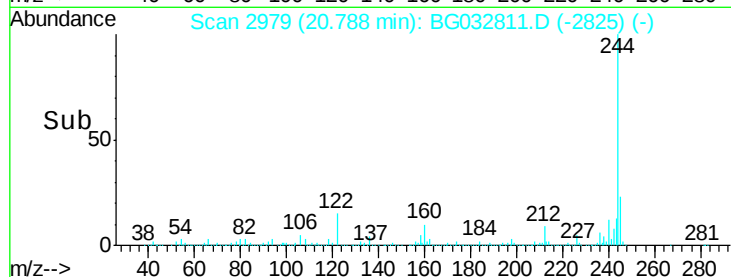
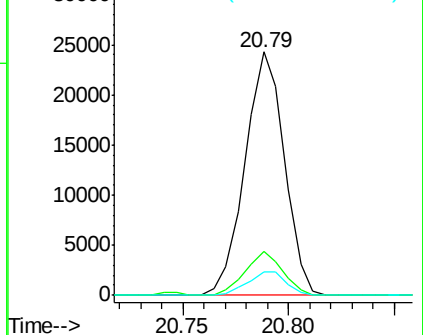
183 9.9 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 106.88 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

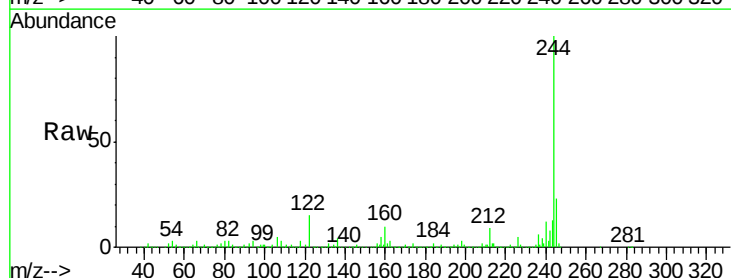
Tgt Ion:244 Resp: 1827557

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

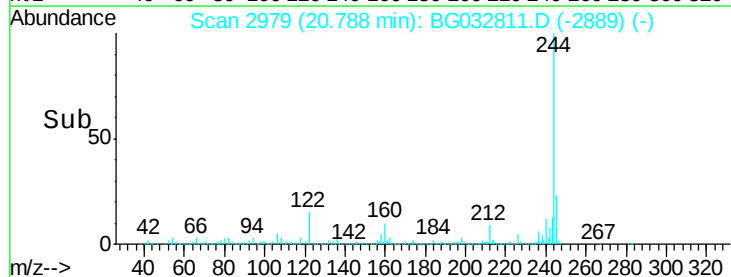
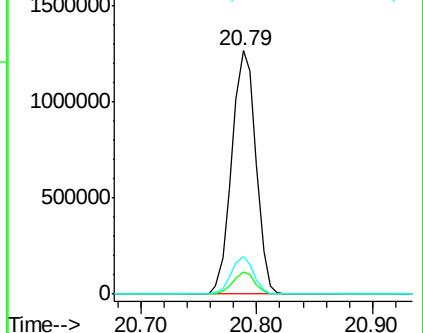
122 15.5 7.0 10.4#

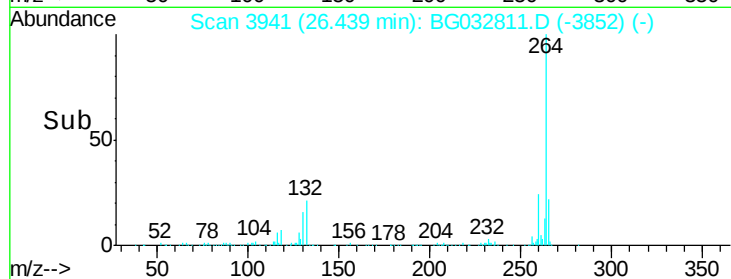
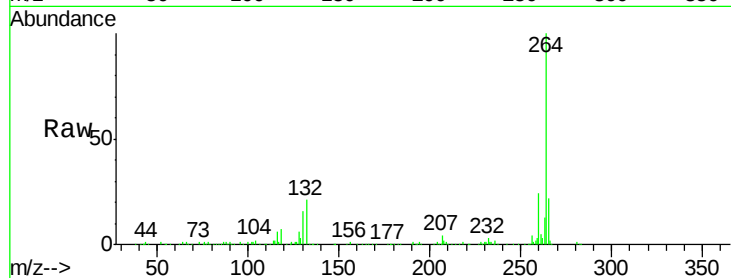
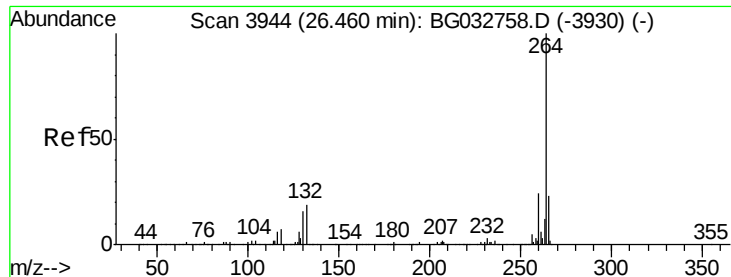


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032811.D

Acq: 24 Feb 2018 5:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 407172

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.0 17.7 26.5

