

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032966.D
 Acq On : 3 Mar 2018 4:51
 Operator : SJ/JU
 Sample : J1756-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 05:45:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

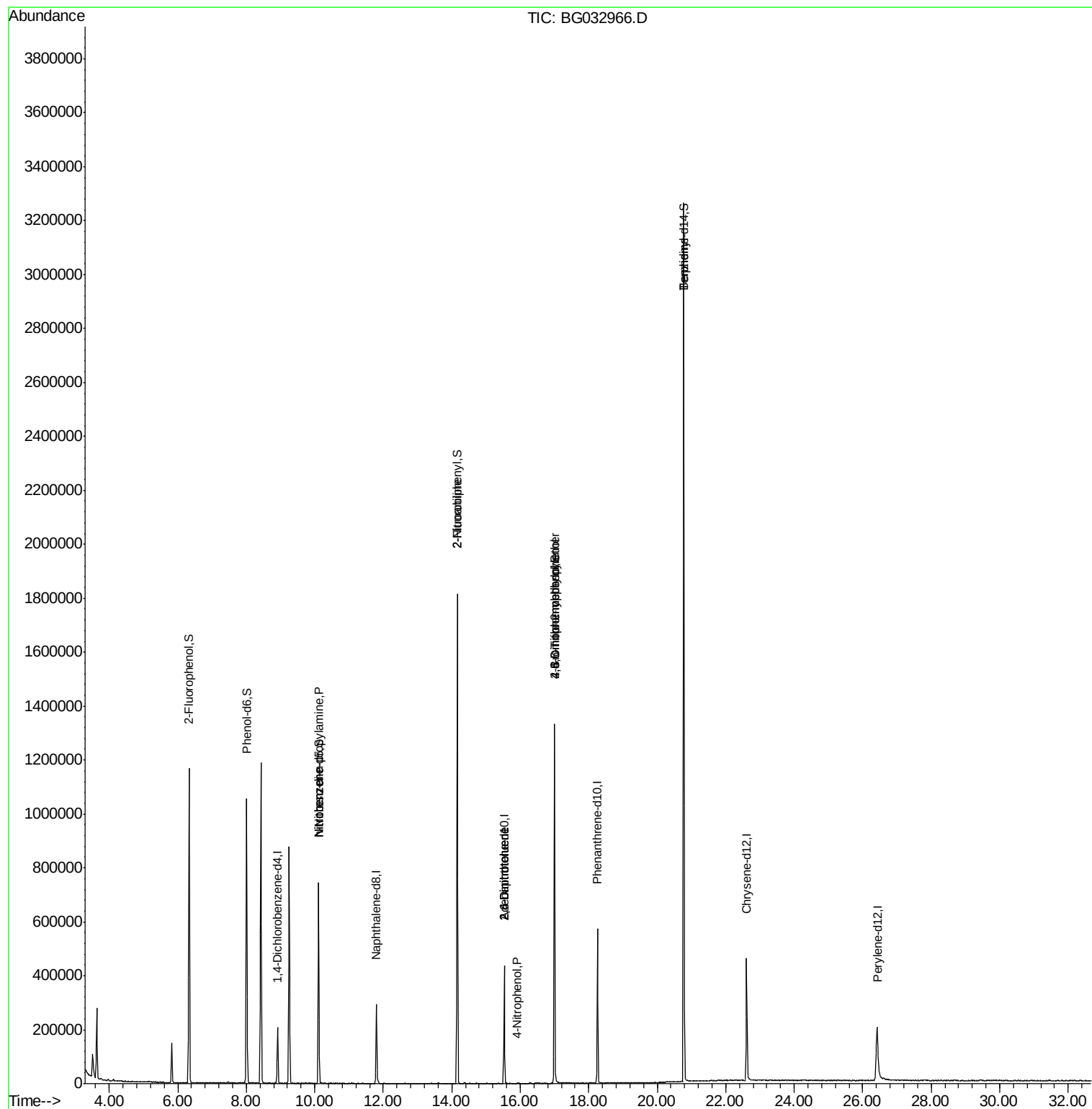
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	60257	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	261783	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	147456	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	341211	20.00	ng	0.00
75) Chrysene-d12	22.61	240	316980	20.00	ng	-0.01
86) Perylene-d12	26.42	264	309974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	536152	142.35	ng	0.00
7) Phenol-d6	8.01	99	650184	123.85	ng	0.00
23) Nitrobenzene-d5	10.11	82	462349	118.18	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	228546	147.41	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	960982	93.99	ng	0.00
78) Terphenyl-d14	20.78	244	1491767	105.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	60943	16.443	ng	# 83
24) Nitrobenzene	10.11	77	1268	6.644	ng	# 28
47) 2-Nitroaniline	14.16	65	1722	10.400	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	19155	16.428	ng	# 21
55) 4-Nitrophenol	15.92	139	128	7.137	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19155	14.626	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	828	5.978	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16991	4.709	ng	# 1
76) Benzidine	20.78	184	25608	2.370	ng	# 93

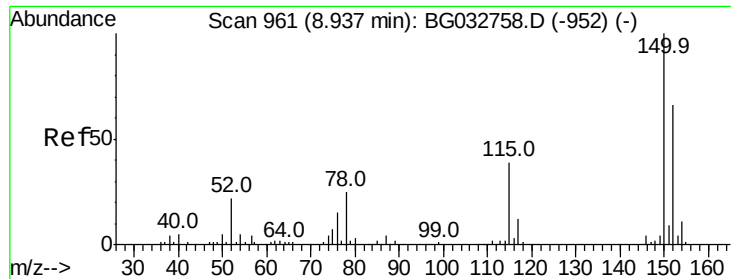
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
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QLast Update : Thu Mar 01 17:38:52 2018
Response via : Initial Calibration



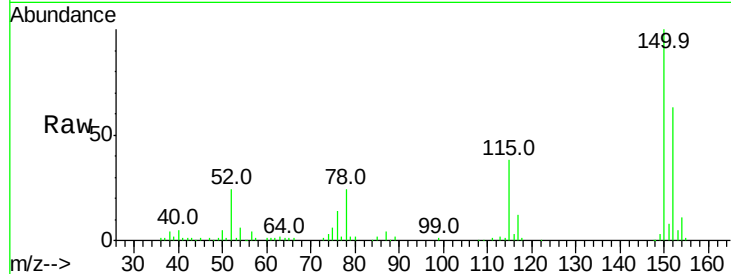


#1

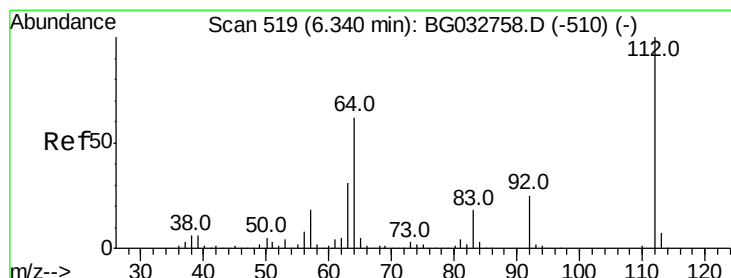
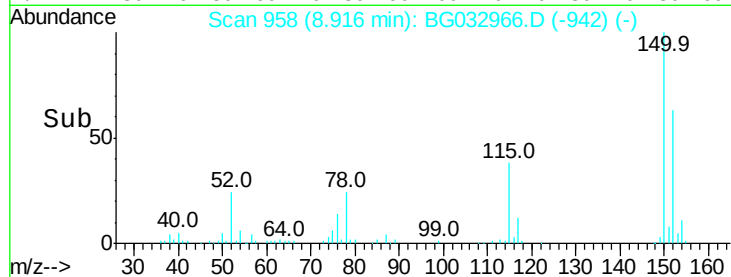
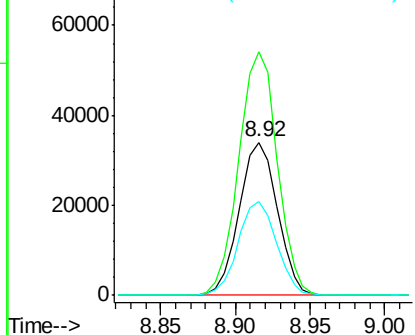
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60257
Ion Ratio Lower Upper
152 100
150 158.9 126.6 189.8
115 60.9 53.0 79.4



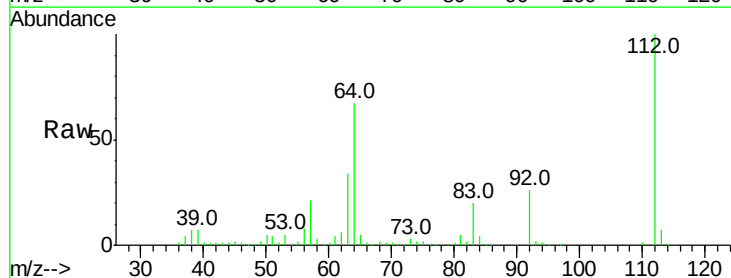
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



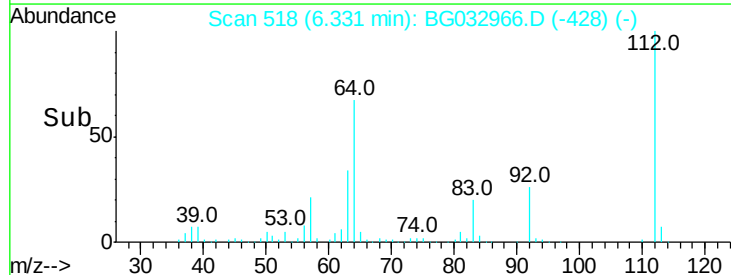
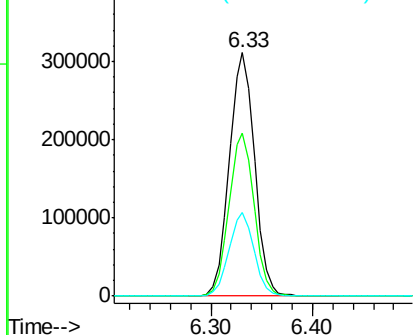
#5

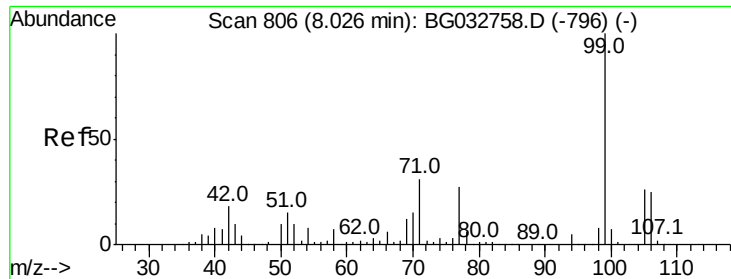
2-Fluorophenol
Concen: 142.351 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Tgt Ion:112 Resp: 536152
Ion Ratio Lower Upper
112 100
64 67.0 56.3 84.5
63 34.3 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: 123.848 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

Instrument :

BNA_G

ClientSampled :

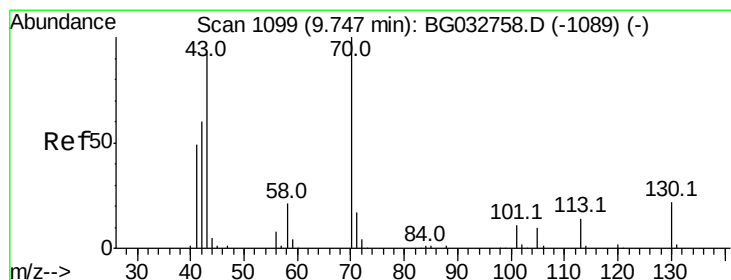
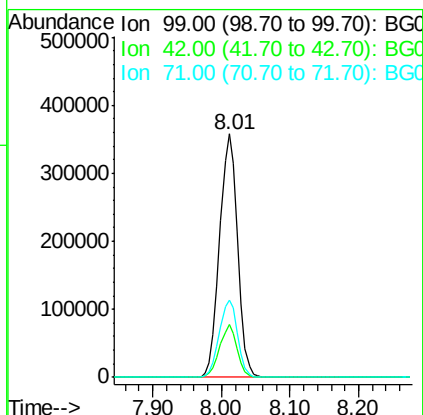
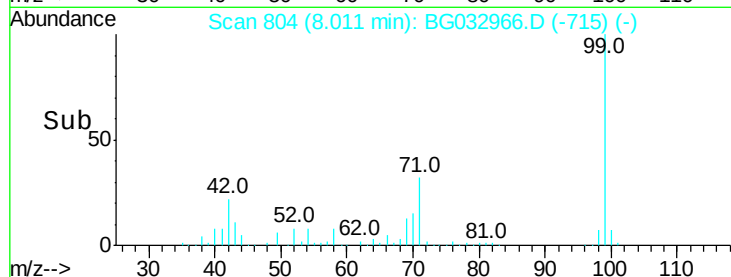
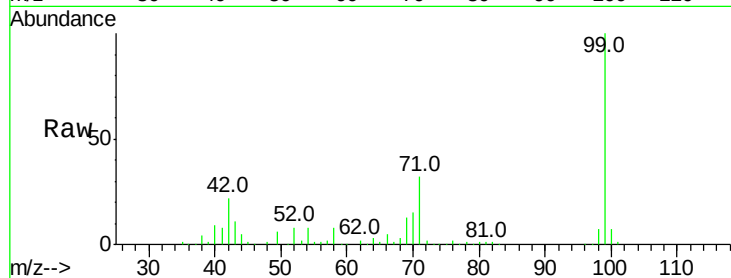
Tot Ion: 99 Resp: 650184

Ion Ratio Lower Upper

99 100

42 21.6 14.1 21.1#

71 31.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.443 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

Tgt Ion: 70 Resp: 60943

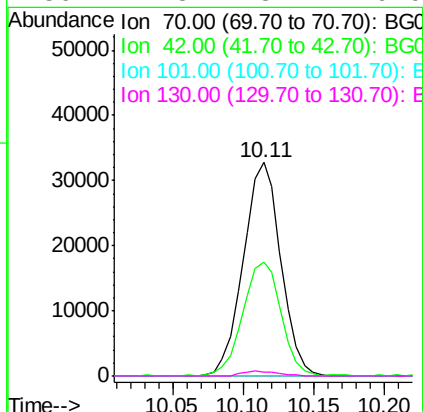
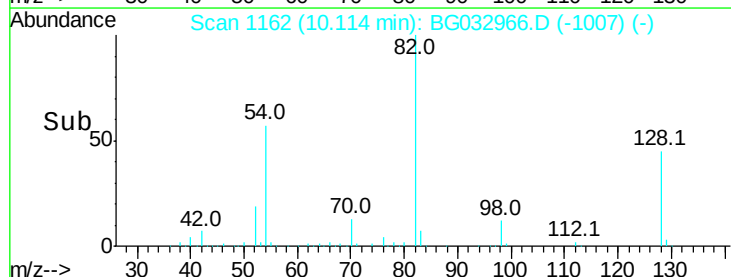
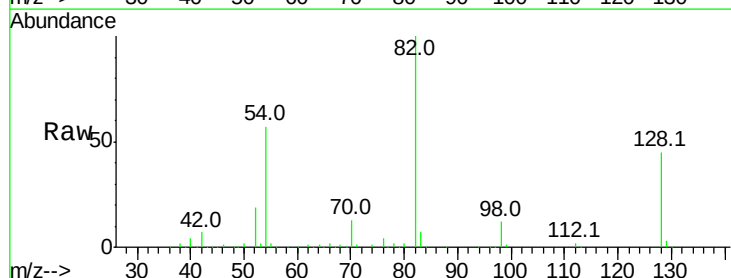
Ion Ratio Lower Upper

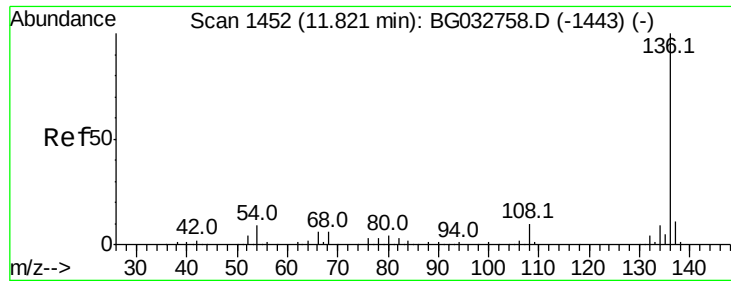
70 100

42 53.6 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

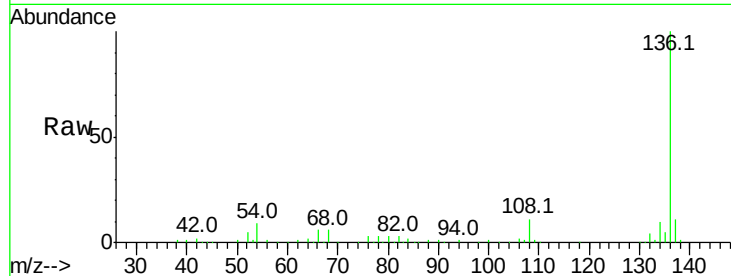




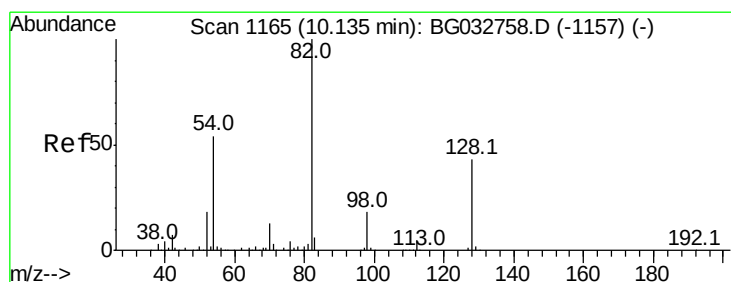
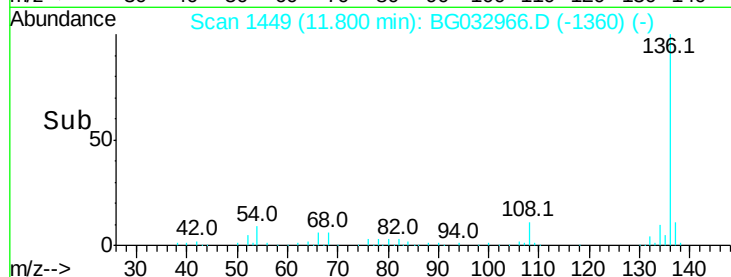
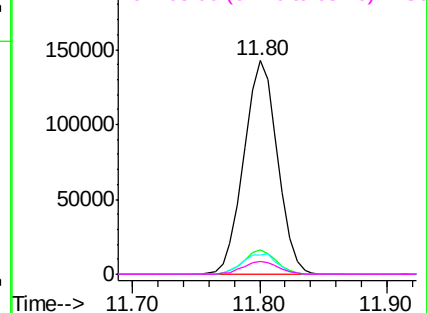
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	261783
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	9.2	10.3	15.5#
68	6.3	4.5	6.7

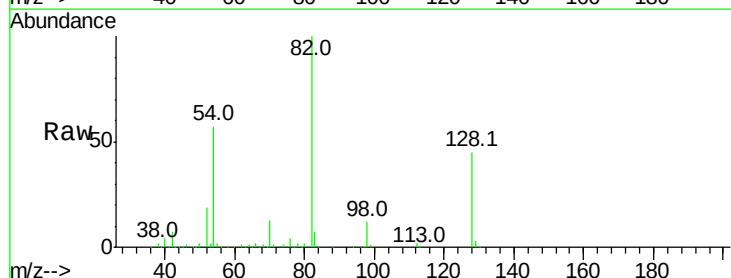


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

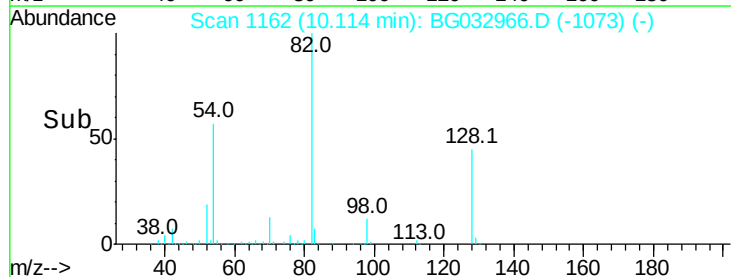
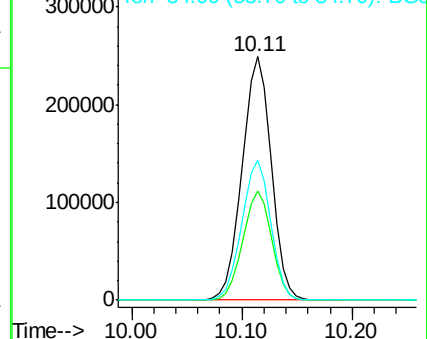


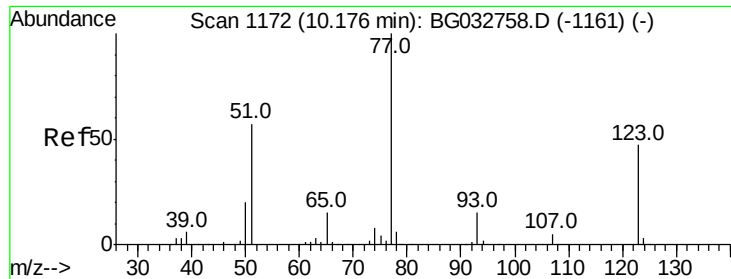
#23
Nitrobenzene-d5
Concen: 118.182 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Tgt Ion:	82	Resp:	462349
Ion	Ratio	Lower	Upper
82	100		
128	44.8	29.7	44.5#
54	57.4	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.644 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

Instrument :

BNA_G

ClientSampleId :

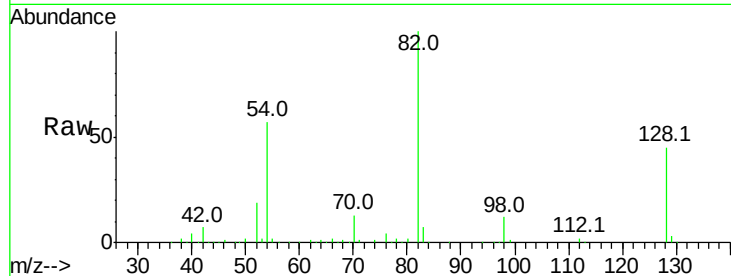
Tot Ion: 77 Resp: 1268

Ion Ratio Lower Upper

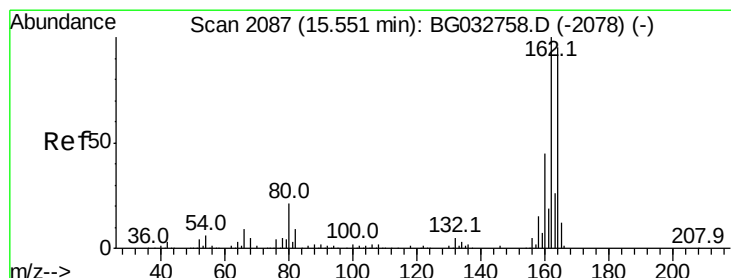
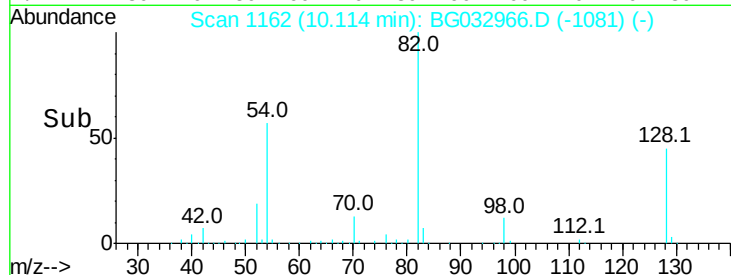
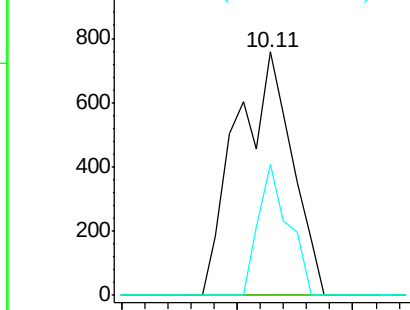
77 100

123 0.0 33.0 49.6#

65 53.8 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

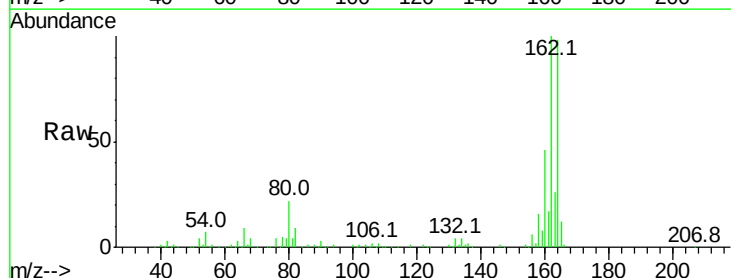
Tgt Ion:164 Resp: 147456

Ion Ratio Lower Upper

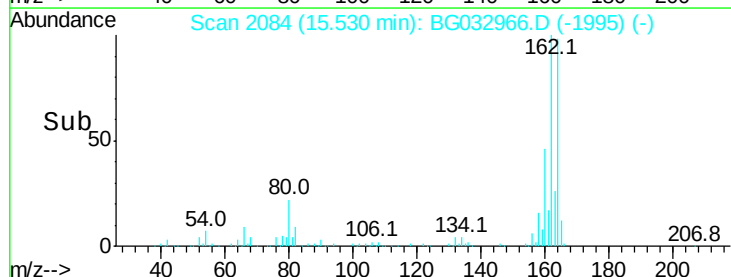
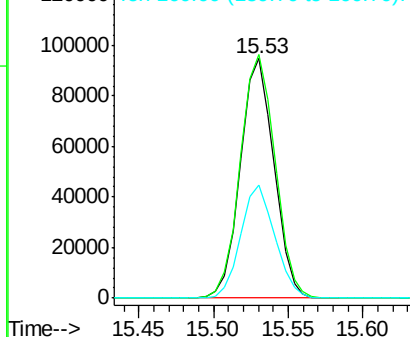
164 100

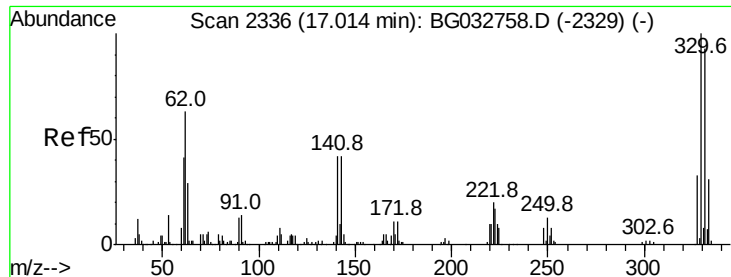
162 101.7 78.8 118.2

160 47.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

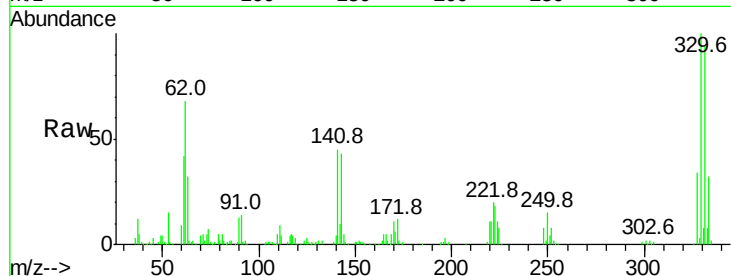




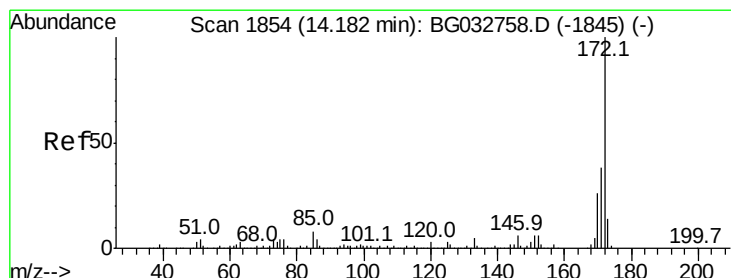
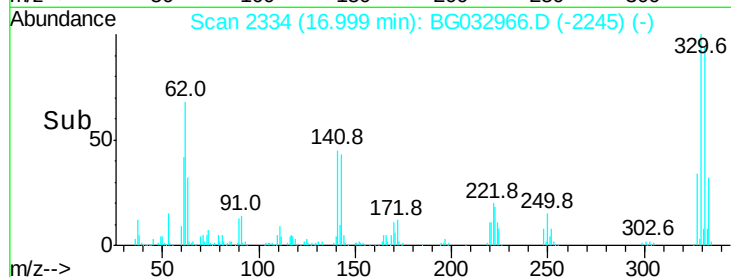
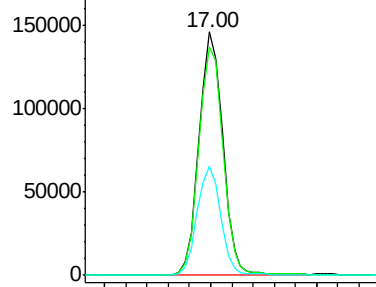
#41
 2,4,6-Tribromophenol
 Concen: 147.406 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032966.D
 Acq: 3 Mar 2018 4:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 228546
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 44.6 25.2 37.8#

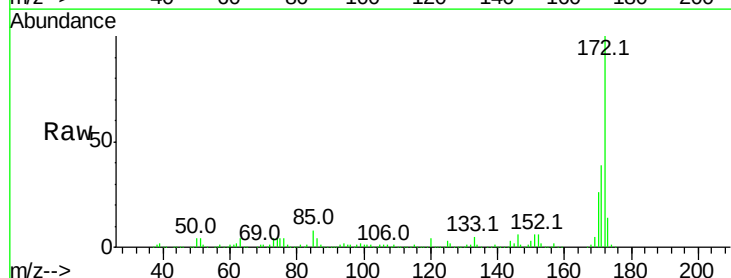


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

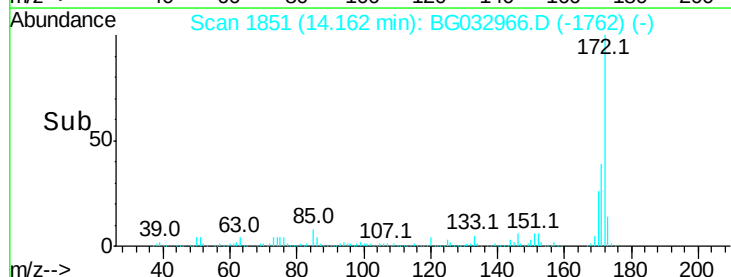
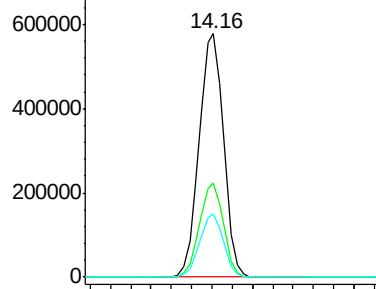


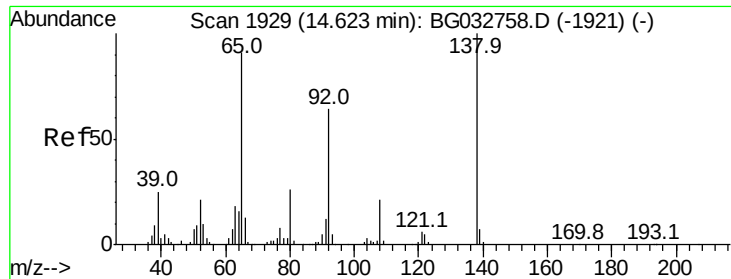
#44
 2-Fluorobiphenyl
 Concen: 93.993 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG032966.D
 Acq: 3 Mar 2018 4:51

Tgt Ion:172 Resp: 960982
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 26.1 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: 10.400 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

Instrument :

BNA_G

ClientSampleId :

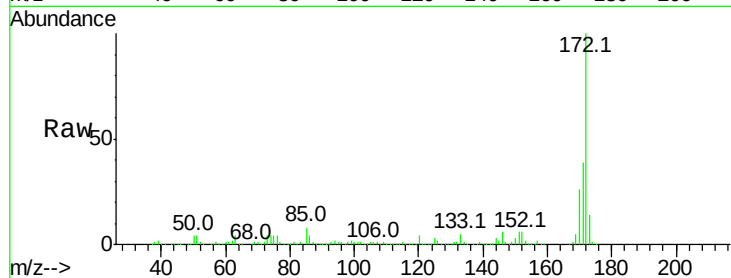
Tot Ion: 65 Resp: 1722

Ion Ratio Lower Upper

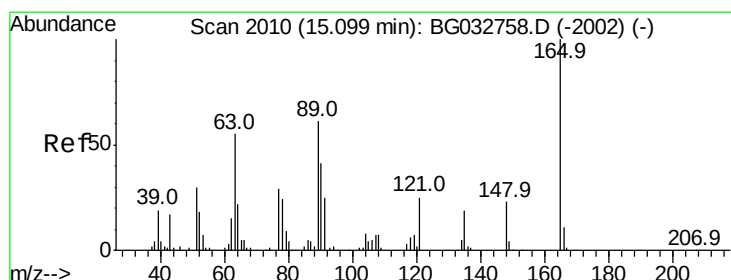
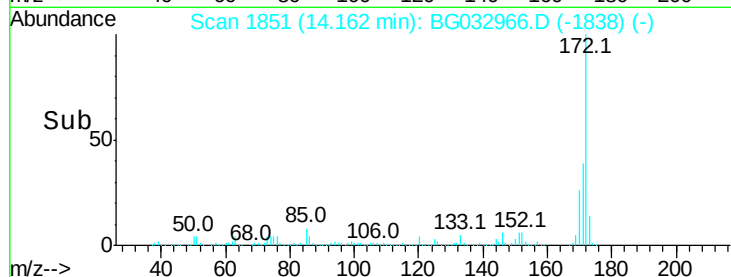
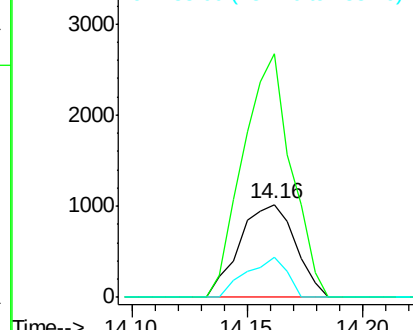
65 100

92 261.7 54.6 82.0#

138 43.7 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: 16.428 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

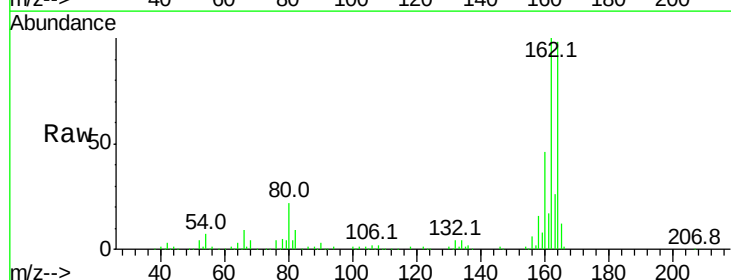
Tgt Ion:165 Resp: 19155

Ion Ratio Lower Upper

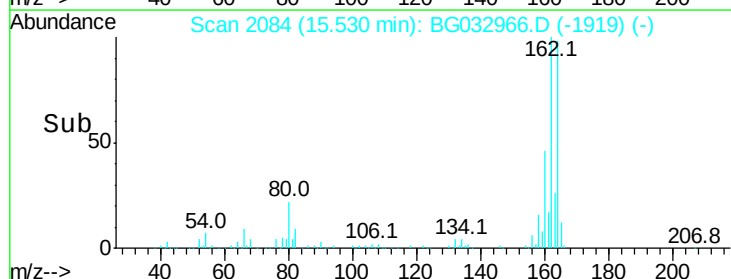
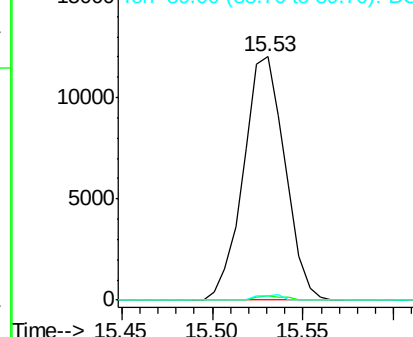
165 100

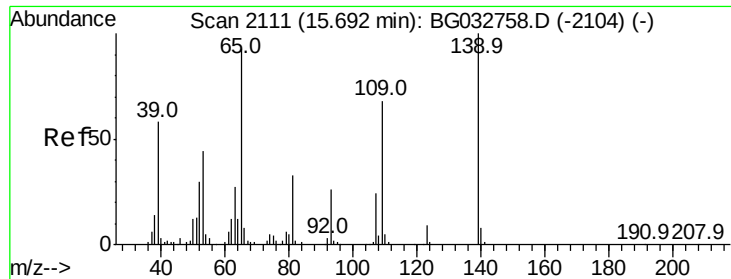
63 1.8 52.7 79.1#

89 1.7 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

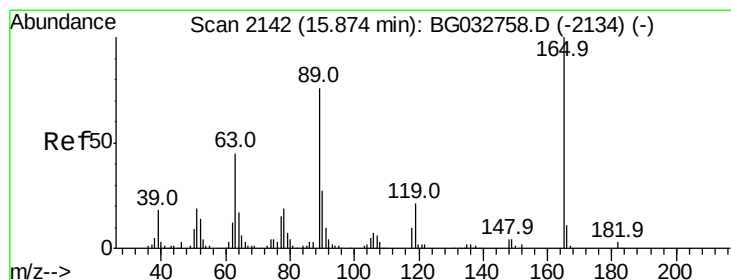
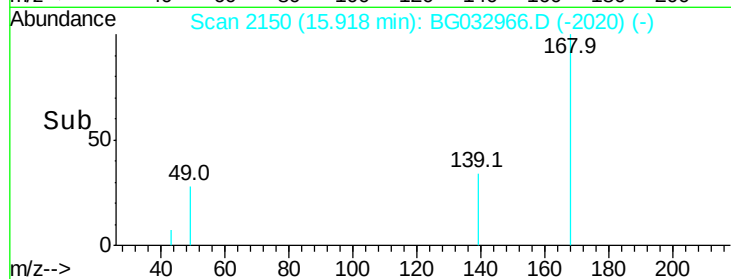
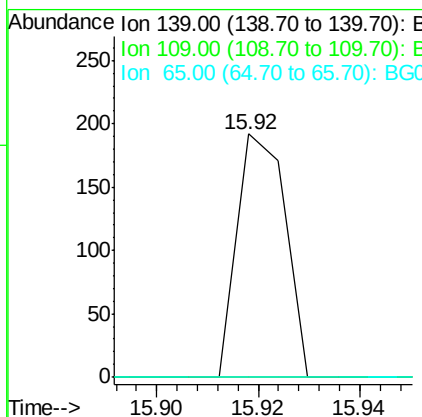
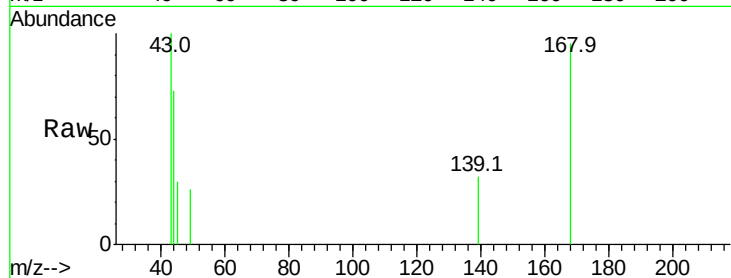




#55
4-Nitrophenol
Concen: 7.137 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

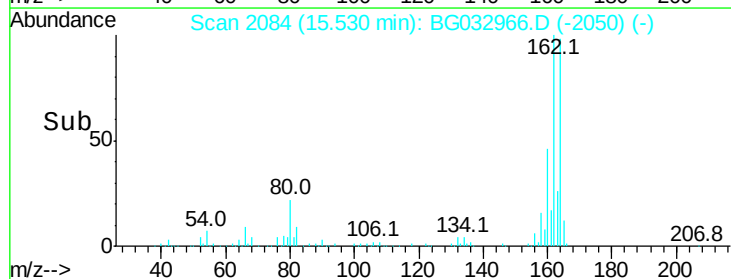
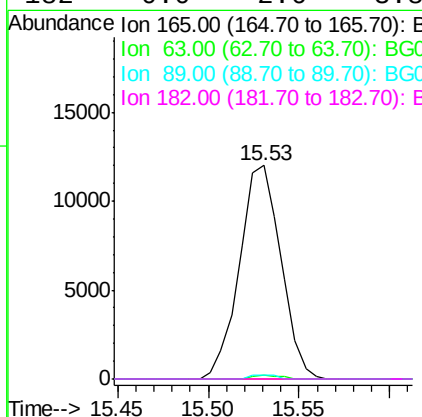
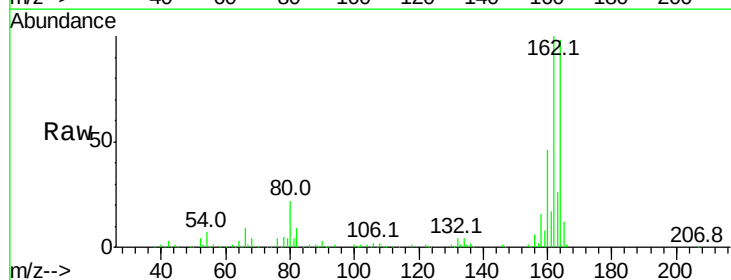
Instrument :
BNA_G
ClientSampled :

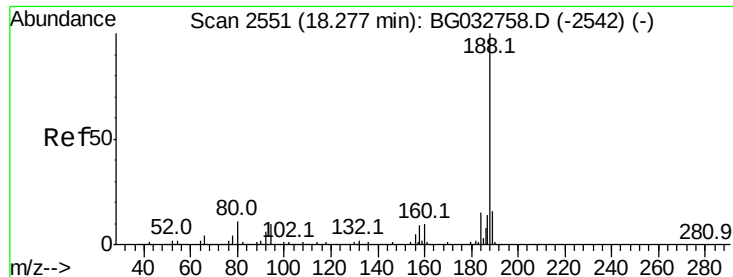
Tot Ion:139 Resp: 128
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.626 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Tgt Ion:165 Resp: 19155
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 1.7 66.9 100.3#
182 0.0 2.6 3.8#

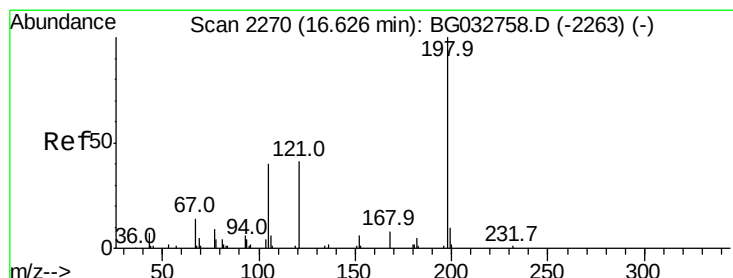
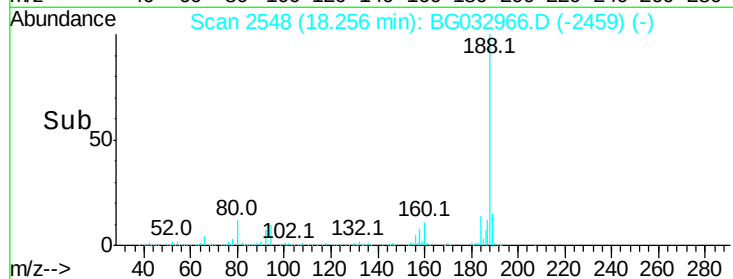
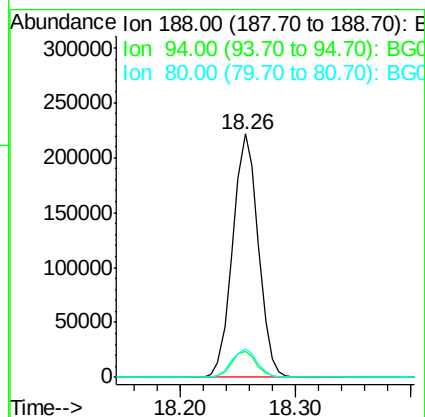
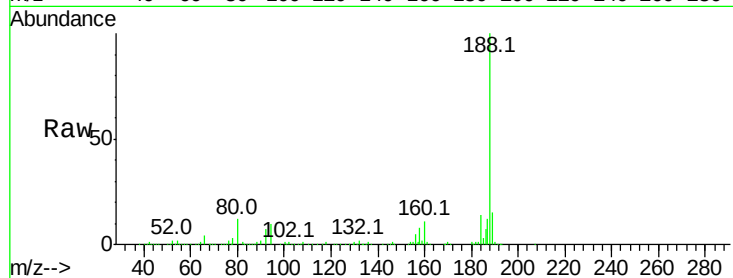




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

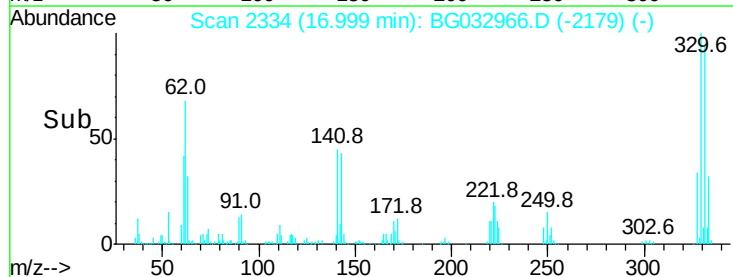
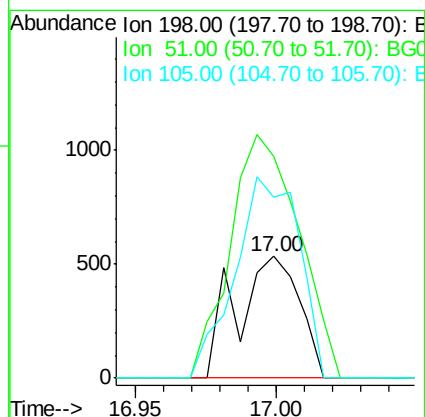
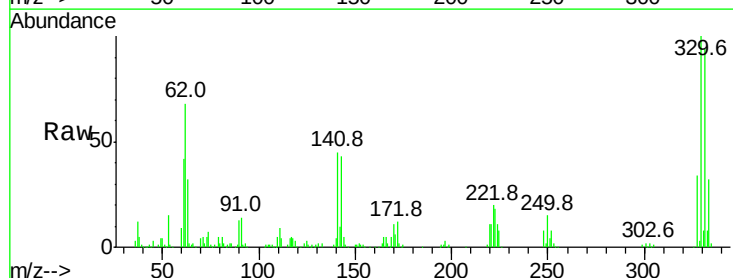
Instrument :
BNA_G
ClientSampled :

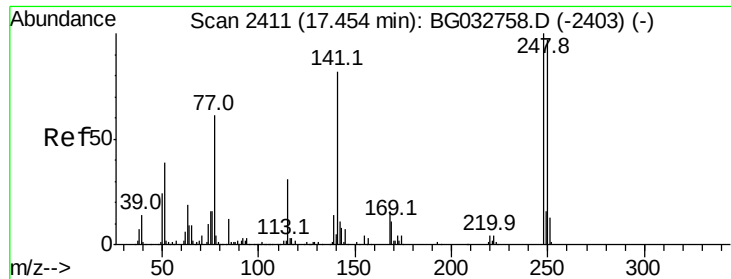
Tot Ion:188 Resp: 341211
Ion Ratio Lower Upper
188 100
94 10.5 6.9 10.3#
80 11.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.978 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Tgt Ion:198 Resp: 828
Ion Ratio Lower Upper
198 100
51 182.8 30.6 70.6#
105 149.3 23.8 63.8#

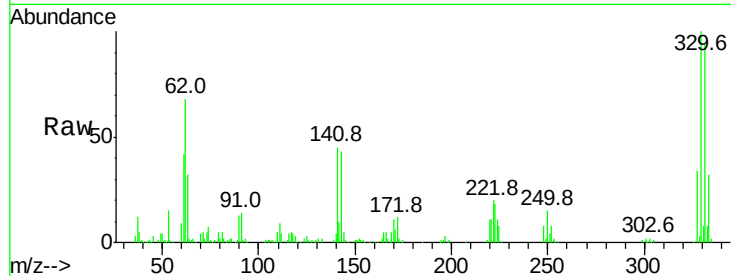




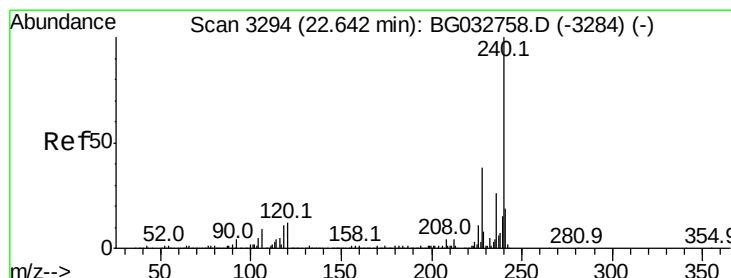
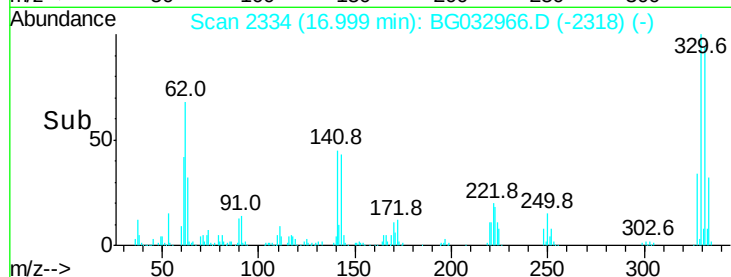
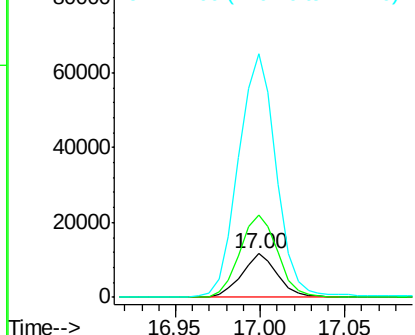
#66
 4-Bromophenyl-phenylether
 Concen: 4.709 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG032966.D
 Acq: 3 Mar 2018 4:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16991
 Ion Ratio Lower Upper
 248 100
 250 190.5 77.1 115.7#
 141 559.6 50.8 76.2#

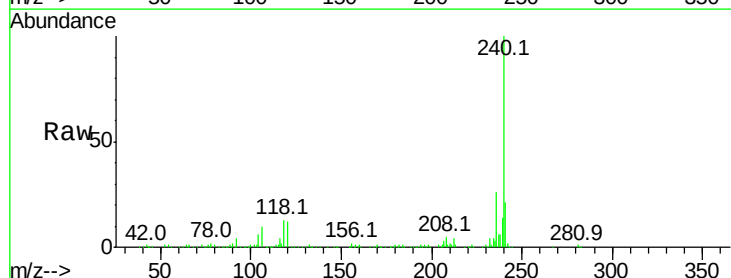


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

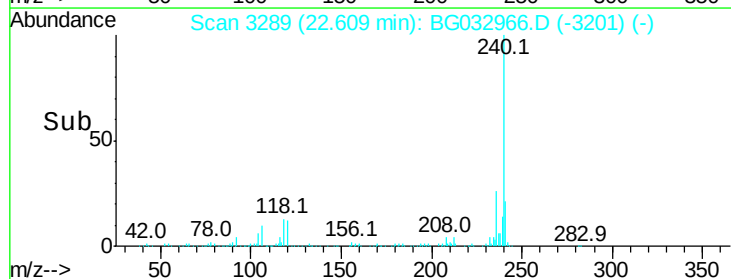
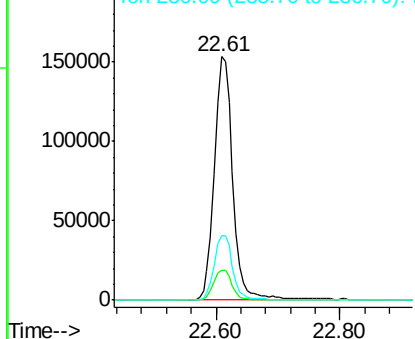


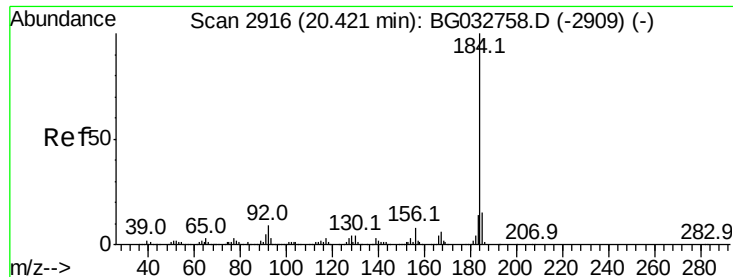
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.01 min
 Lab File: BG032966.D
 Acq: 3 Mar 2018 4:51

Tgt Ion:240 Resp: 316980
 Ion Ratio Lower Upper
 240 100
 120 12.3 6.8 10.2#
 236 26.3 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: 2.370 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.37 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

Instrument :

BNA_G

ClientSampled :

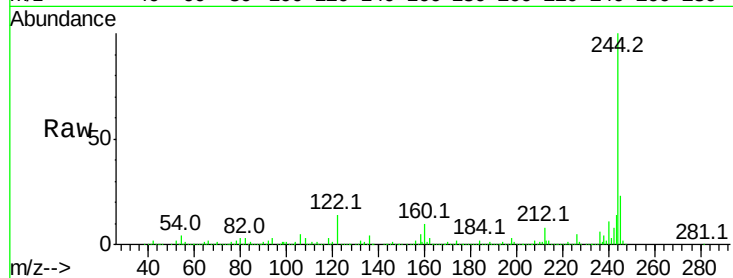
Tot Ion:184 Resp: 25608

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

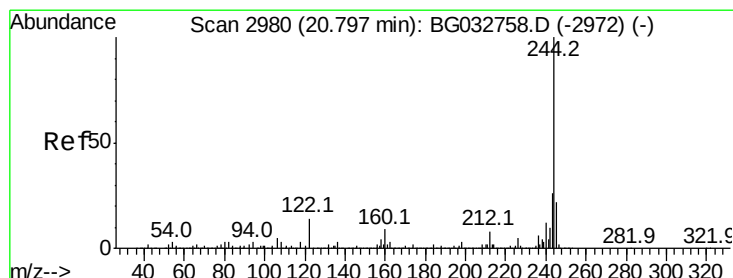
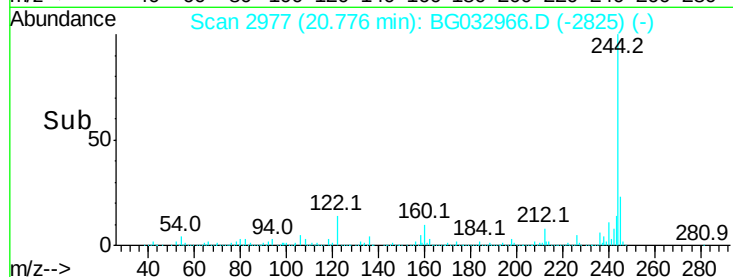
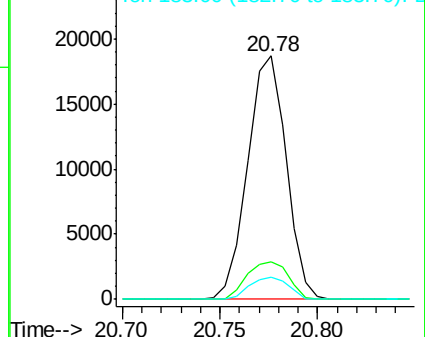
183 9.2 10.6 16.0#



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: 105.735 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032966.D

Acq: 3 Mar 2018 4:51

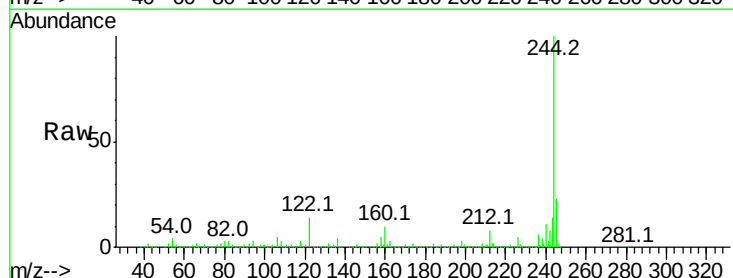
Tgt Ion:244 Resp: 1491767

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

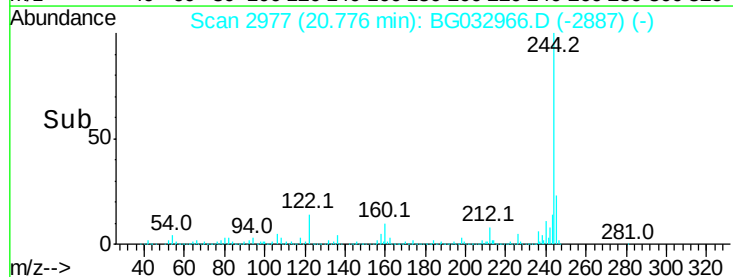
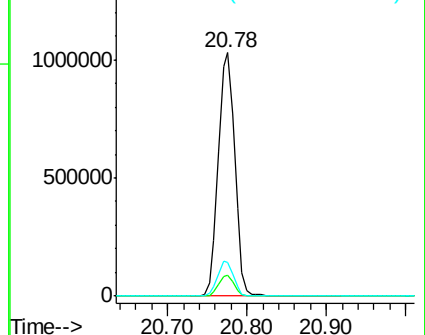
122 13.9 7.0 10.4#

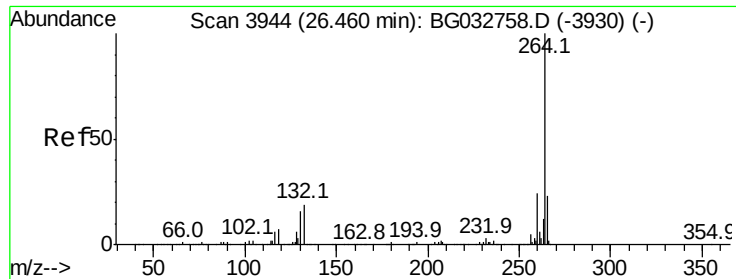


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3938
Delta R.T. -0.00 min
Lab File: BG032966.D
Acq: 3 Mar 2018 4:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.4	26.0
265	20.4	17.7	26.5

