

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032712.D
 Acq On : 15 Feb 2018 12:10
 Operator : SJ/JU
 Sample : PB106551TB
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 12:52:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

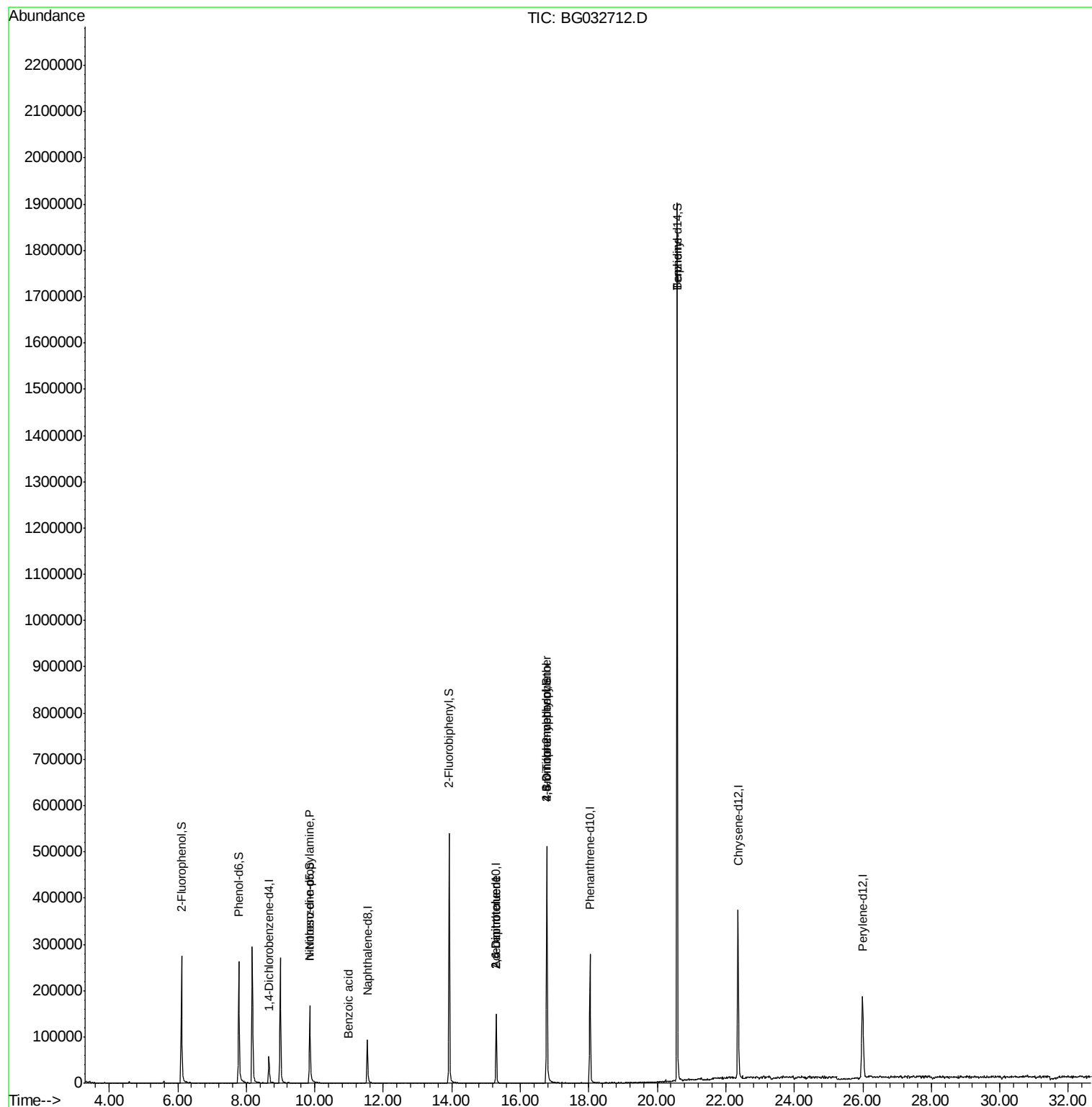
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	24926	20.00	ng	-0.02
21) Naphthalene-d8	11.54	136	100973	20.00	ng	-0.01
38) Acenaphthene-d10	15.30	164	60687	20.00	ng	-0.01
63) Phenanthrene-d10	18.03	188	206726	20.00	ng	-0.01
75) Chrysene-d12	22.35	240	299820	20.00	ng	-0.02
86) Perylene-d12	26.00	264	267367	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	148368	119.42	ng	0.00
7) Phenol-d6	7.78	99	172193	101.36	ng	-0.01
23) Nitrobenzene-d5	9.86	82	123166	77.52	ng	-0.02
41) 2,4,6-Tribromophenol	16.78	330	135701	145.22	ng	-0.01
44) 2-Fluorobiphenyl	13.92	172	336130	69.26	ng	-0.01
78) Terphenyl-d14	20.58	244	1006882	76.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.85	70	17129	14.998	ng	# 75
32) Benzoic acid	10.98	122	86	4.467	ng	# 1
50) 2,6-Dinitrotoluene	15.30	165	7443	6.889	ng	# 21
56) 2,4-Dinitrotoluene	15.30	165	7443	5.000	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.78	198	468	5.302	ng	# 50
66) 4-Bromophenyl-phenylether	16.78	248	11200	3.786	ng	# 1
76) Benzidine	20.58	184	14126	2.001	ng	95

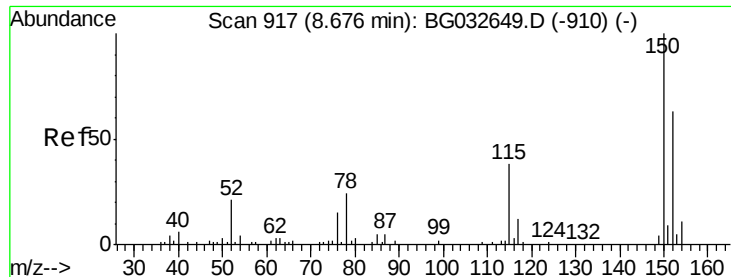
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



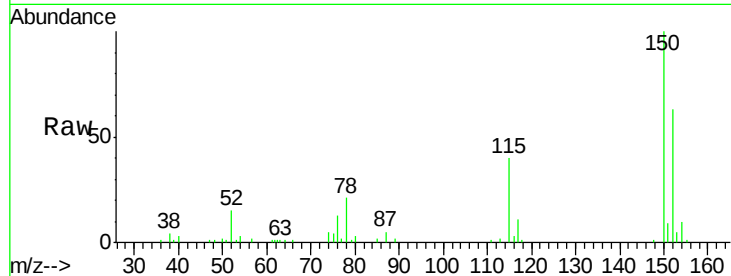


#1

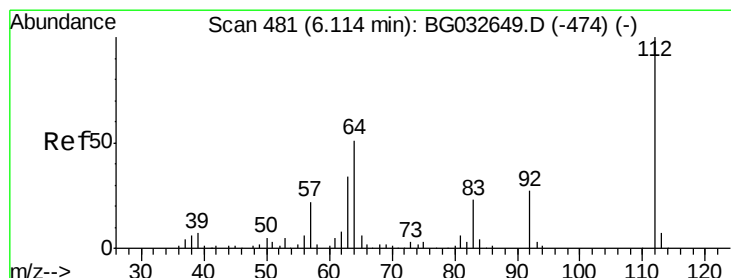
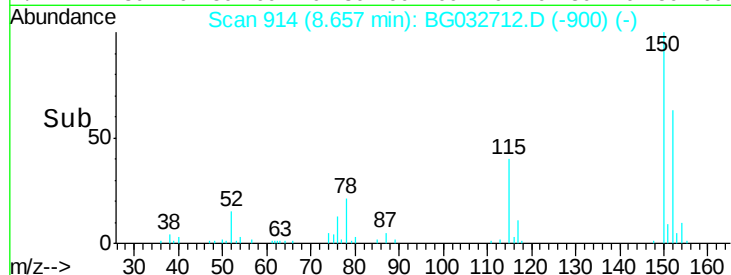
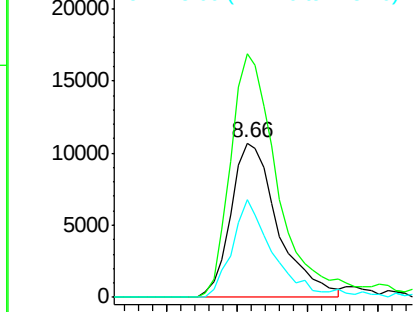
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032712.D
Acq: 15 Feb 2018 12:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24926
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 63.6 53.0 79.4



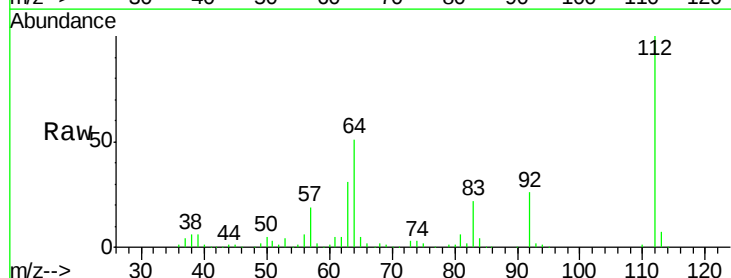
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



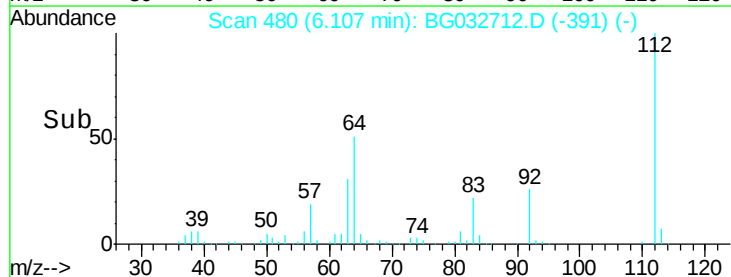
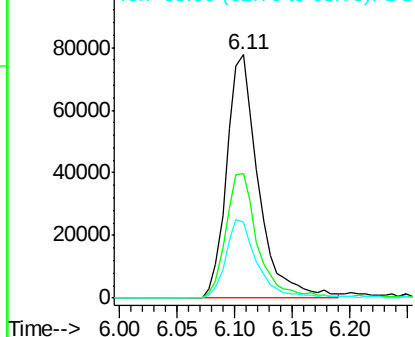
#5

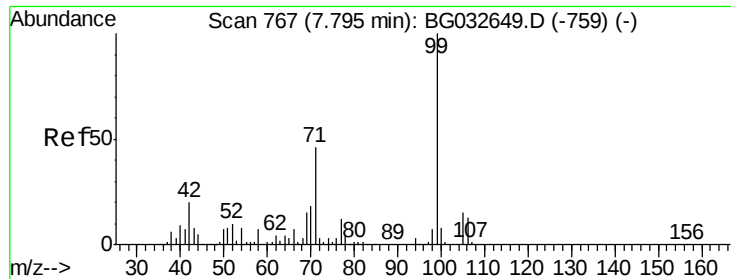
2-Fluorophenol
Concen: 119.425 ng
RT: 6.11 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG032712.D
Acq: 15 Feb 2018 12:10

Tgt Ion:112 Resp: 148368
Ion Ratio Lower Upper
112 100
64 51.2 56.3 84.5#
63 31.2 30.1 45.1



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





#7

Phenol-d6

Concen: 101.362 ng

RT: 7.78 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Instrument :

BNA_G

ClientSampleId :

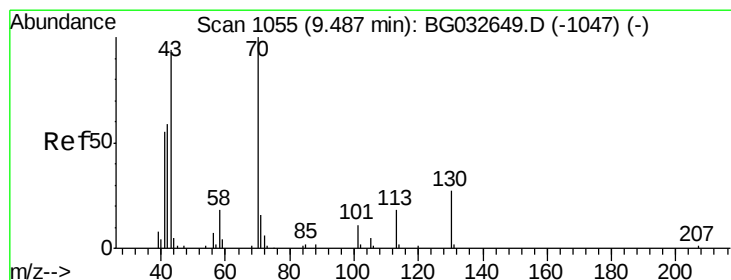
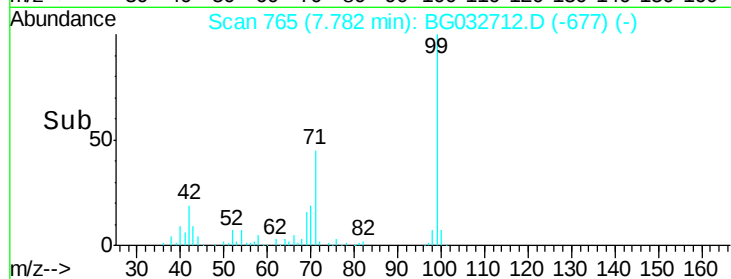
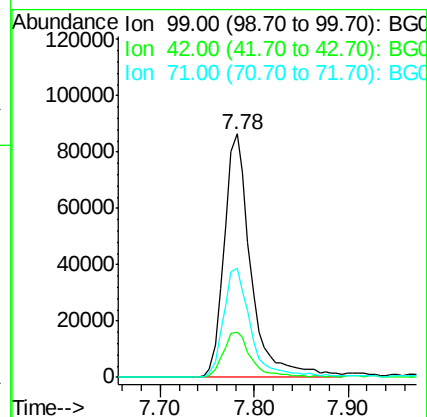
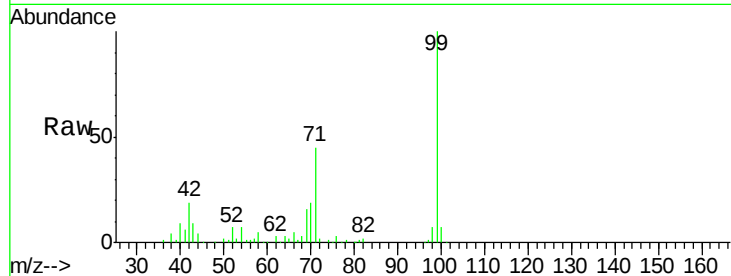
Tot Ion: 99 Resp: 172193

Ion Ratio Lower Upper

99 100

42 18.8 14.1 21.1

71 44.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.998 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Tgt Ion: 70 Resp: 17129

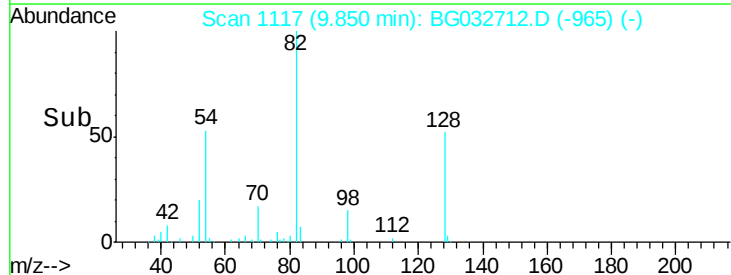
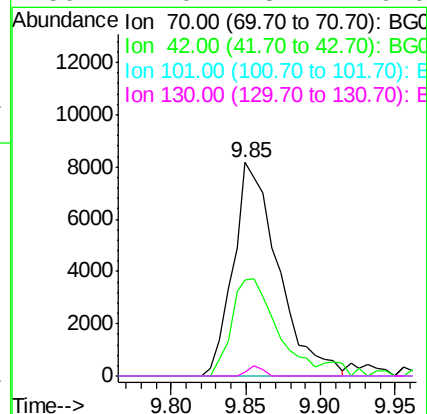
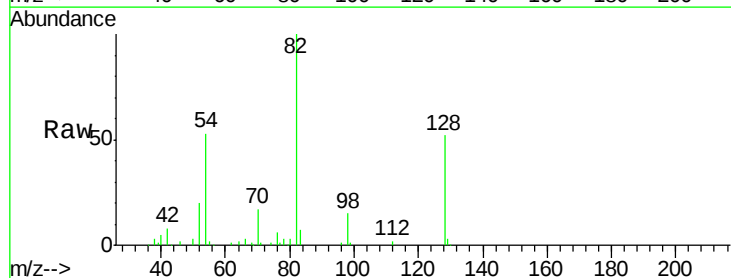
Ion Ratio Lower Upper

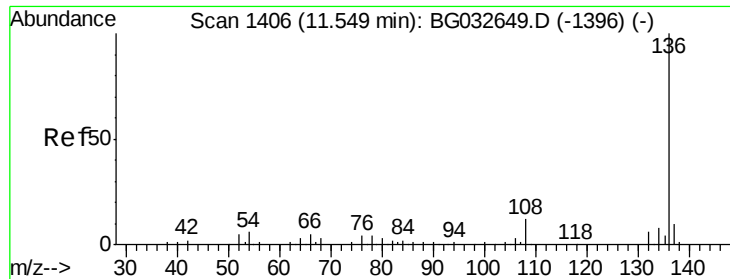
70 100

42 44.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

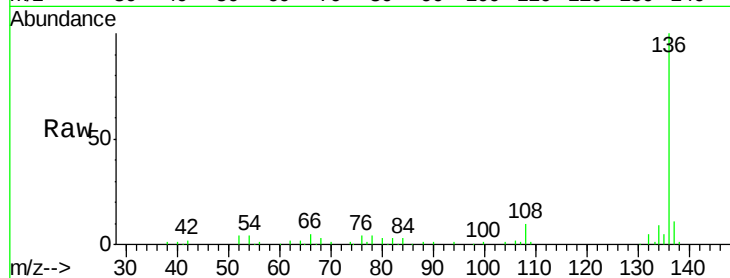




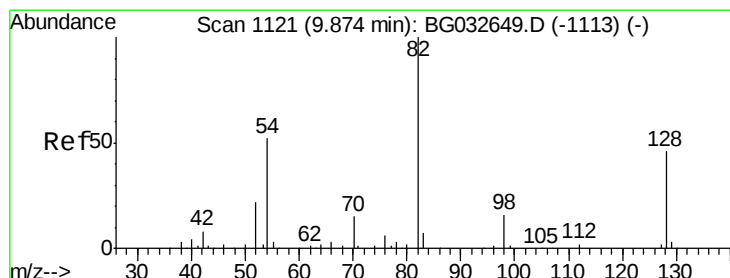
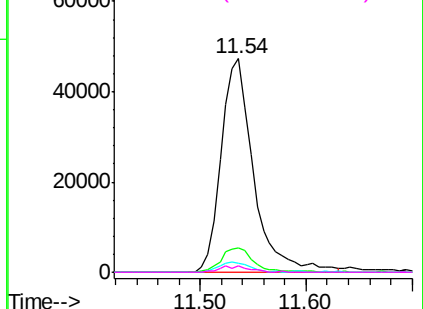
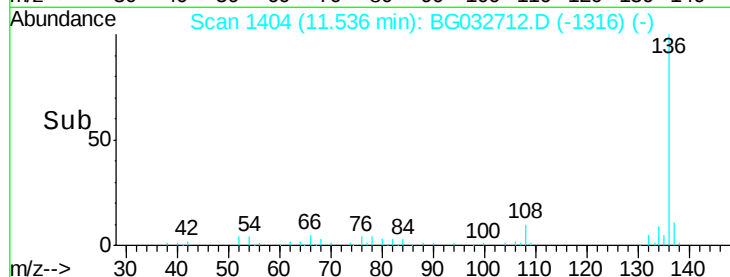
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.54 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG032712.D
Acq: 15 Feb 2018 12:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 100973
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 4.2 10.3 15.5#
68 3.1 4.5 6.7#

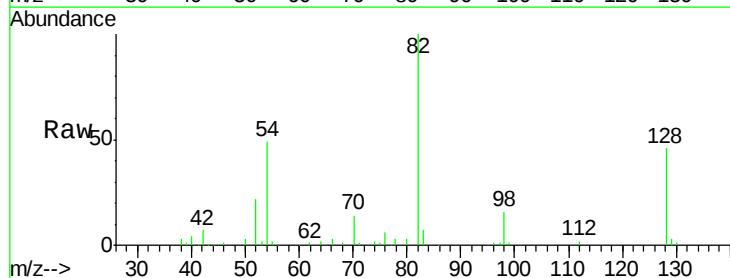


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

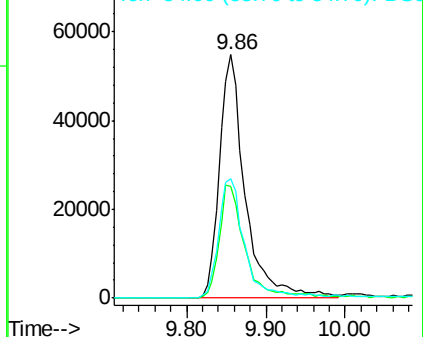
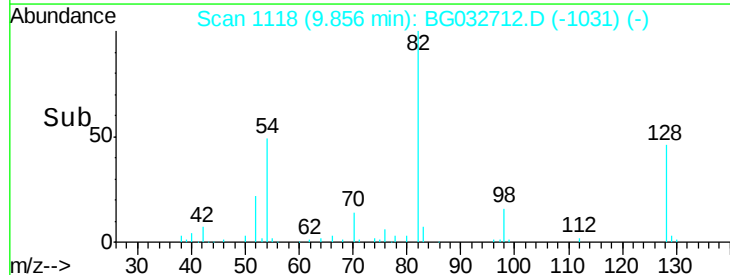


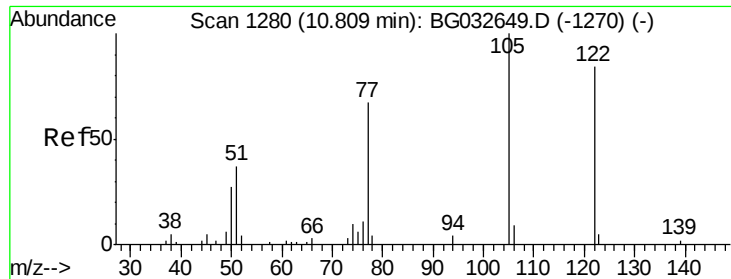
#23
Nitrobenzene-d5
Concen: 77.524 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032712.D
Acq: 15 Feb 2018 12:10

Tgt Ion: 82 Resp: 123166
Ion Ratio Lower Upper
82 100
128 46.0 29.7 44.5#
54 49.2 43.1 64.7



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





#32

Benzoic acid

Concen: 4.467 ng

RT: 10.98 min Scan# 1309

Delta R.T. 0.17 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Instrument :

BNA_G

ClientSampleId :

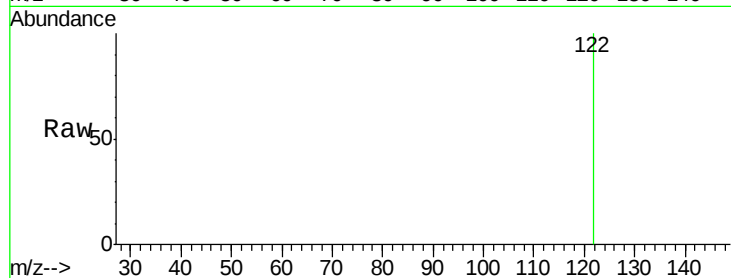
Tot Ion:122 Resp: 86

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

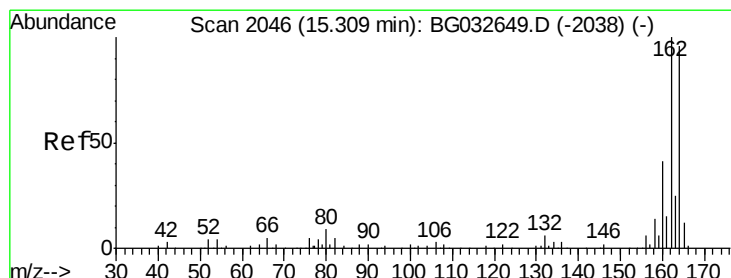
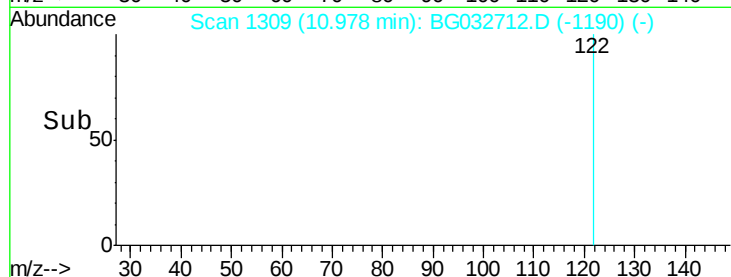
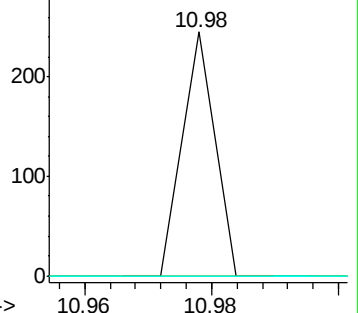
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.30 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

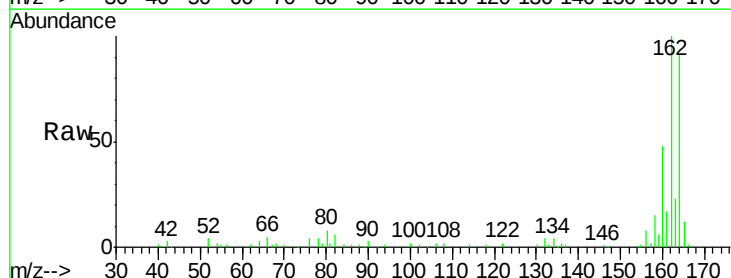
Tgt Ion:164 Resp: 60687

Ion Ratio Lower Upper

164 100

162 110.4 78.8 118.2

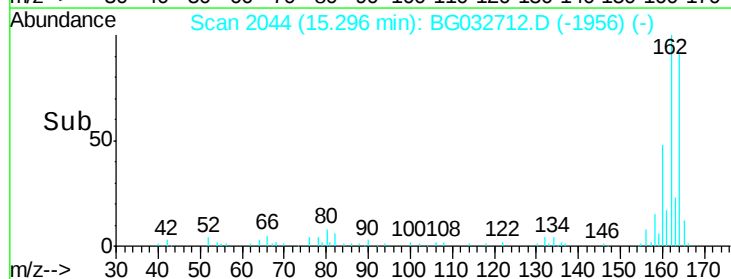
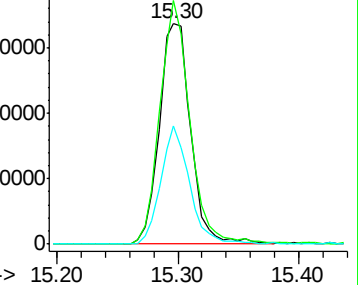
160 53.3 35.4 53.0#

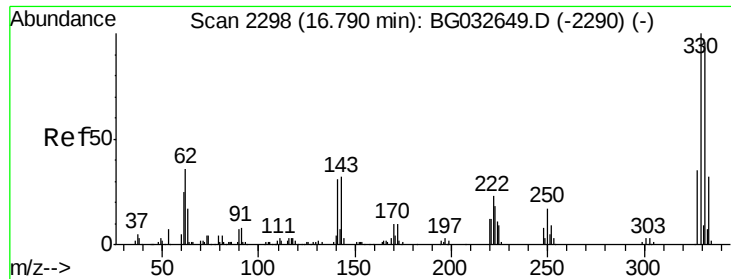


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 145.220 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Instrument :

BNA_G

ClientSampled :

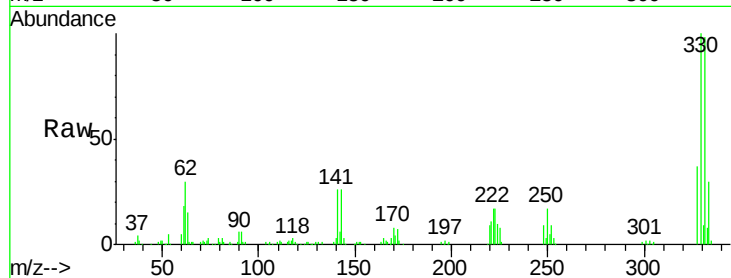
Tot Ion:330 Resp: 135701

Ion Ratio Lower Upper

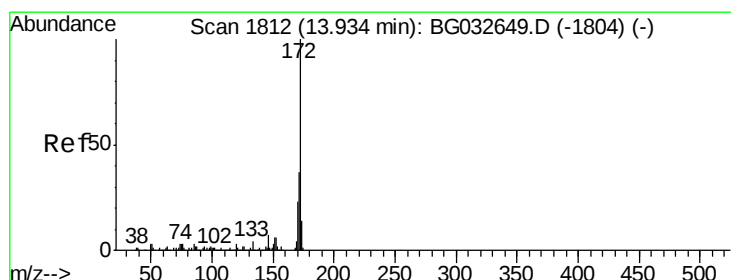
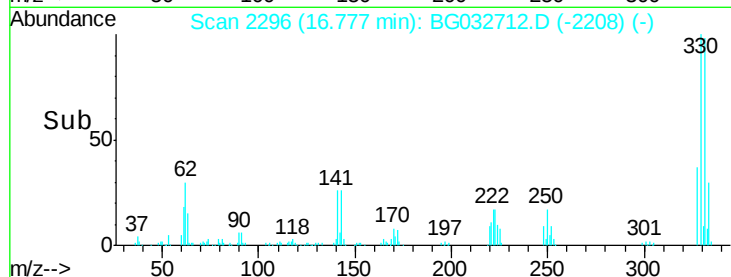
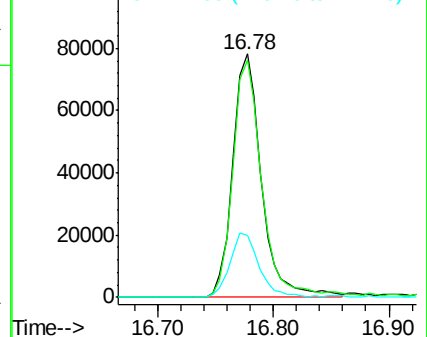
330 100

332 96.6 77.0 115.6

141 26.9 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: 69.264 ng

RT: 13.92 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

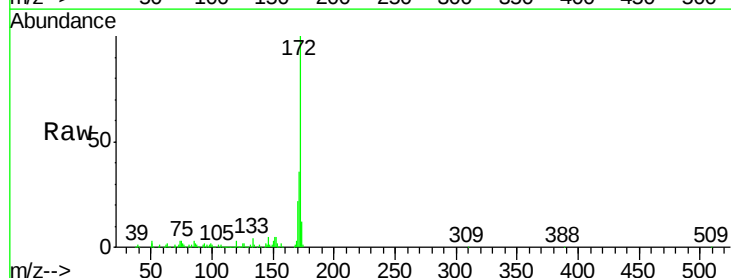
Tgt Ion:172 Resp: 336130

Ion Ratio Lower Upper

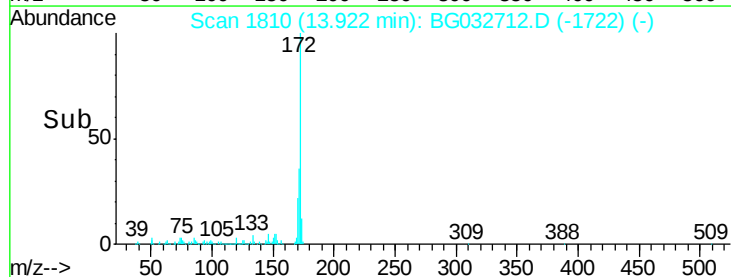
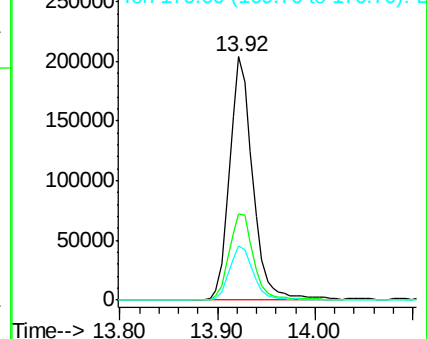
172 100

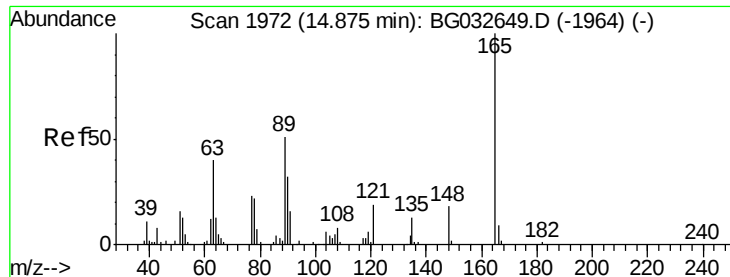
171 35.6 30.0 45.0

170 22.2 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

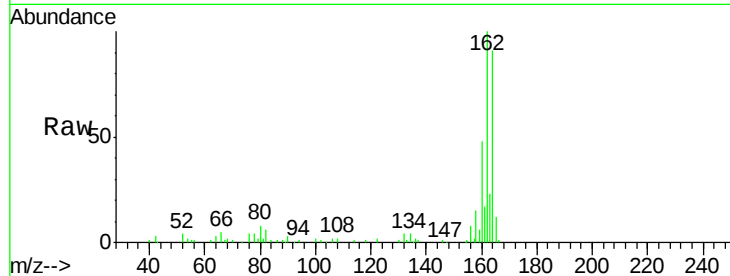




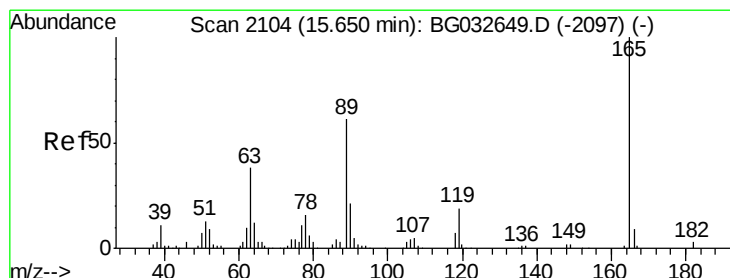
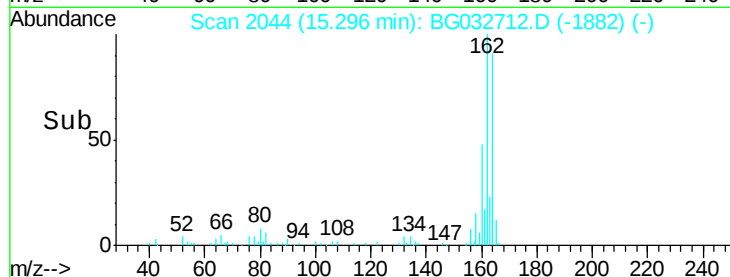
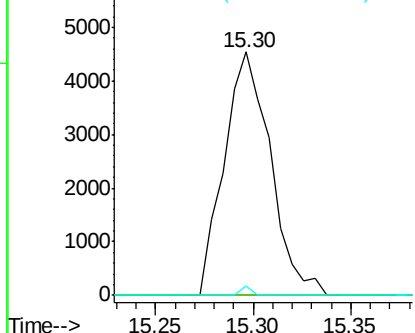
#50
 2,6-Dinitrotoluene
 Concen: 6.889 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. 0.42 min
 Lab File: BG032712.D
 Acq: 15 Feb 2018 12:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7443
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.9 49.2 73.8#

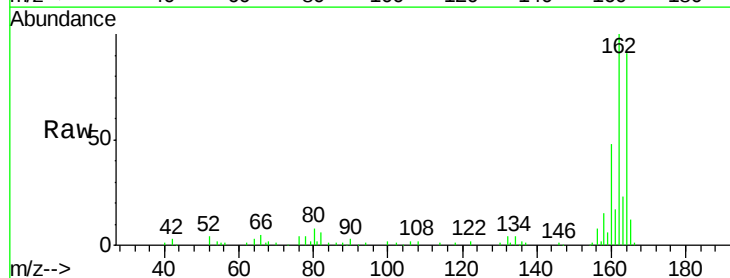


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

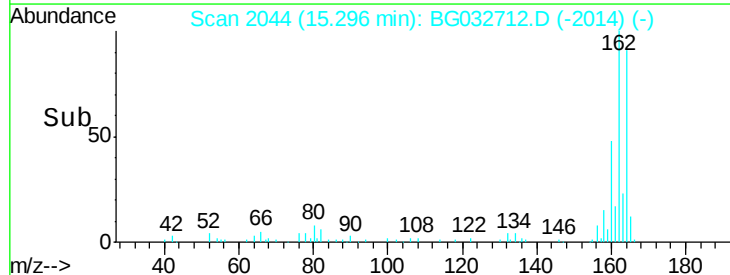
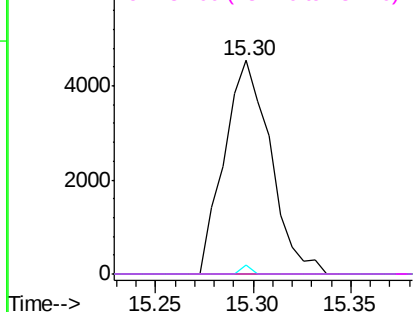


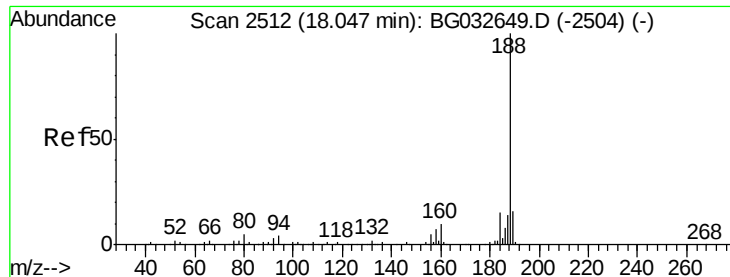
#56
 2,4-Dinitrotoluene
 Concen: 5.000 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. -0.35 min
 Lab File: BG032712.D
 Acq: 15 Feb 2018 12:10

Tgt Ion:165 Resp: 7443
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.9 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: 20.000 ng

RT: 18.03 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Instrument :

BNA_G

ClientSampleId :

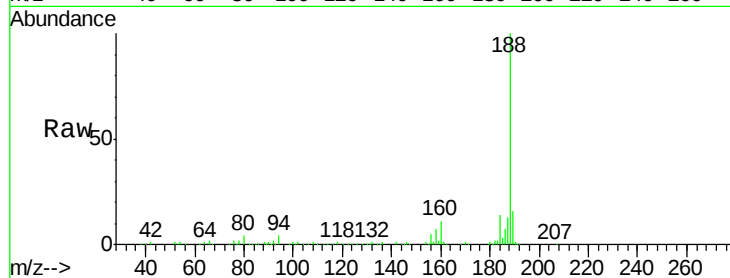
Tot Ion:188 Resp: 206726

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

80 3.6 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

150000

100000

50000

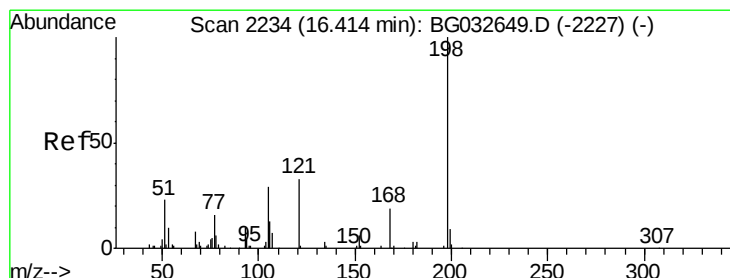
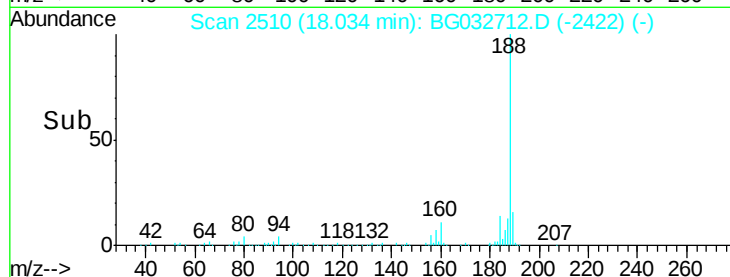
0

18.03

18.00

18.10

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.302 ng

RT: 16.78 min Scan# 2296

Delta R.T. 0.36 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

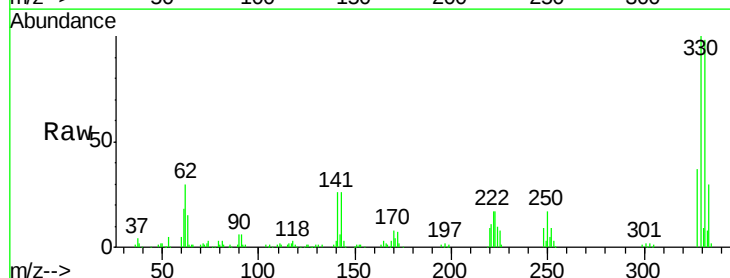
Tgt Ion:198 Resp: 468

Ion Ratio Lower Upper

198 100

51 60.7 30.6 70.6

105 102.9 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

400

300

200

100

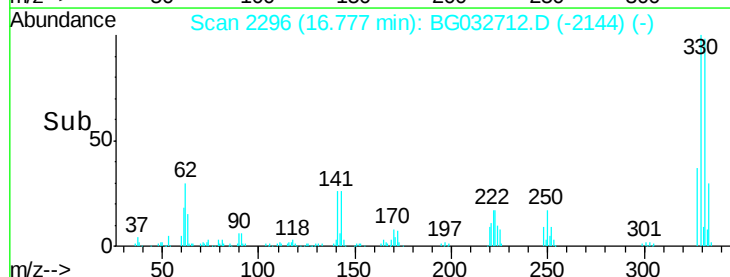
0

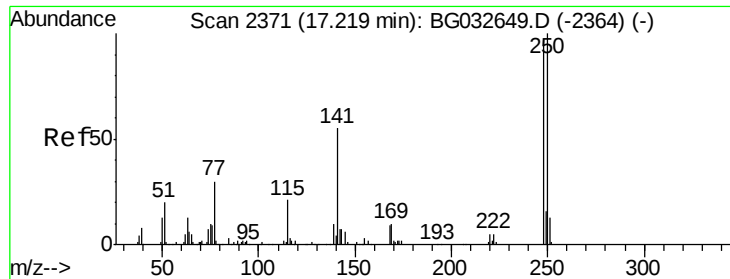
16.78

16.75

16.80

Time-->

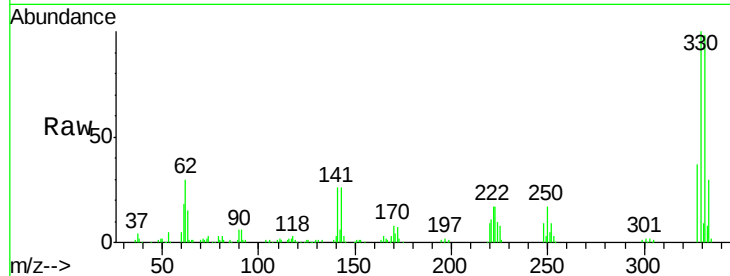




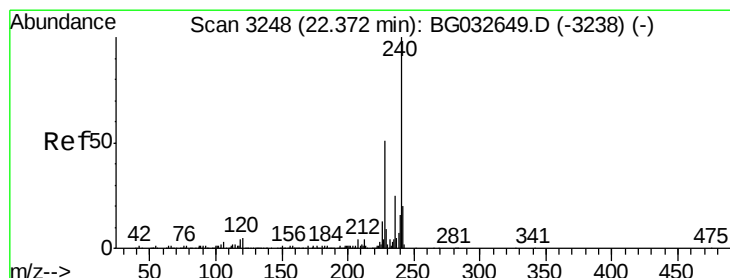
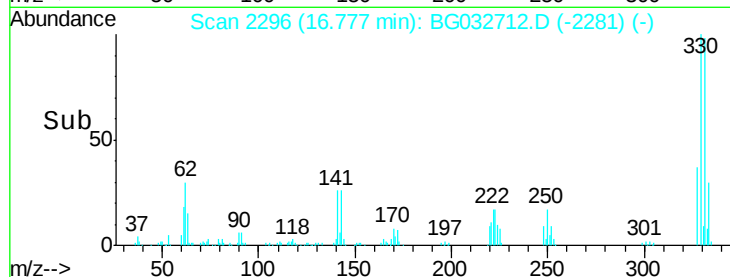
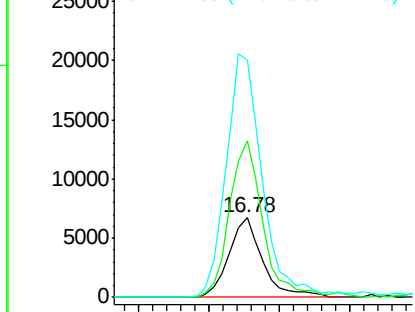
#66
 4-Bromophenyl-phenylether
 Concen: 3.786 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.44 min
 Lab File: BG032712.D
 Acq: 15 Feb 2018 12:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.9	77.1	115.7#
141	298.9	50.8	76.2#

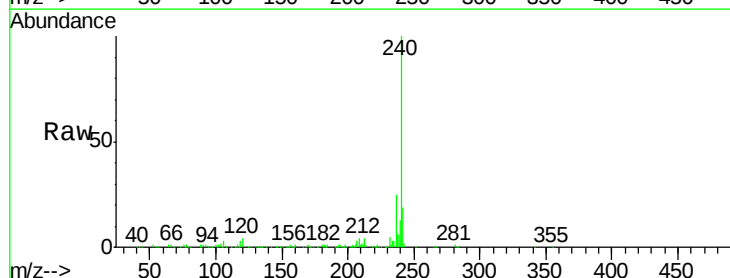


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

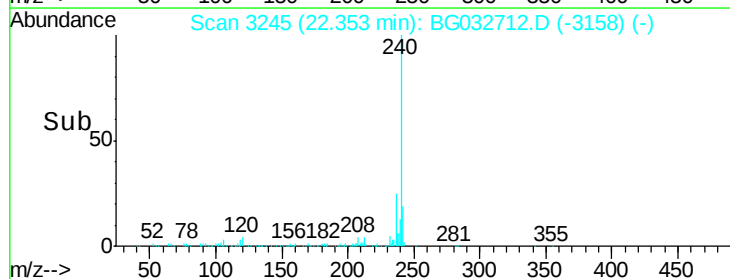
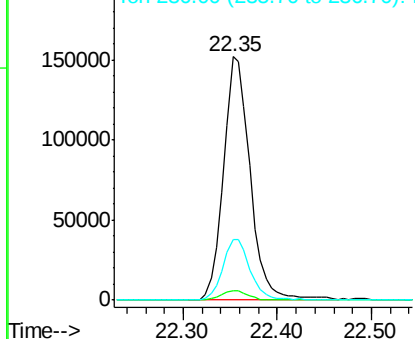


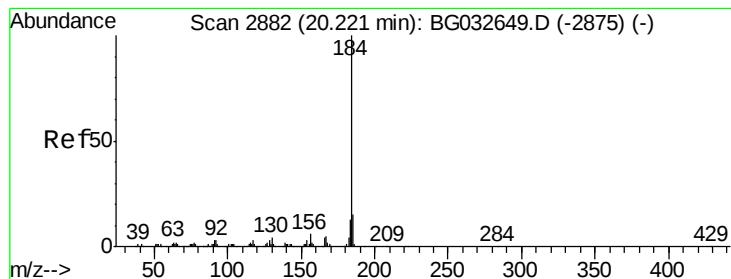
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.35 min Scan# 3245
 Delta R.T. -0.02 min
 Lab File: BG032712.D
 Acq: 15 Feb 2018 12:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	6.8	10.2#
236	24.8	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: 2.001 ng

RT: 20.58 min Scan# 2943

Delta R.T. 0.36 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

Instrument :

BNA_G

ClientSampleId :

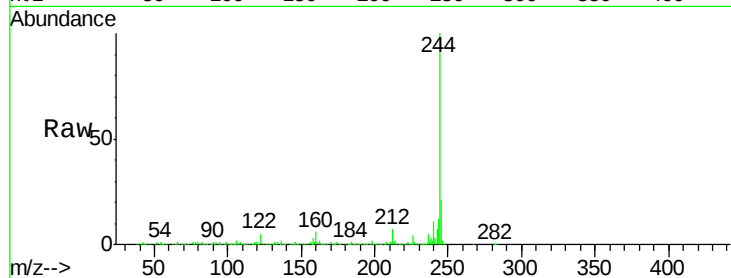
Tot Ion:184 Resp: 14126

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

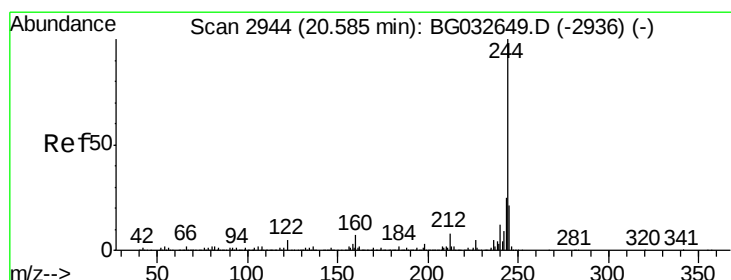
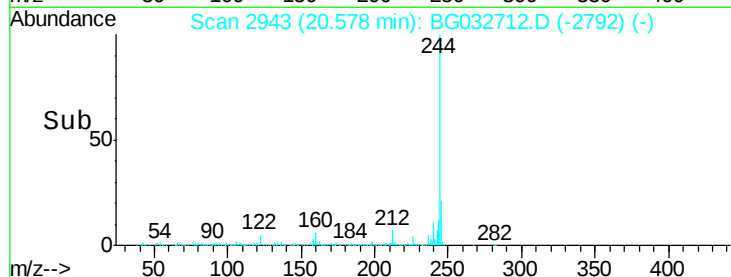
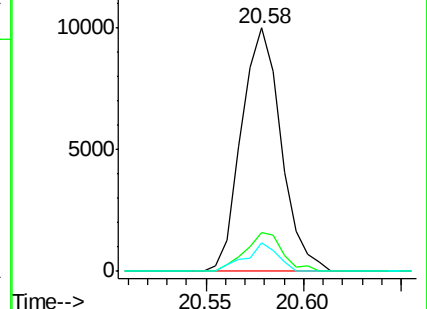
183 11.6 10.6 16.0



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: 76.542 ng

RT: 20.58 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BG032712.D

Acq: 15 Feb 2018 12:10

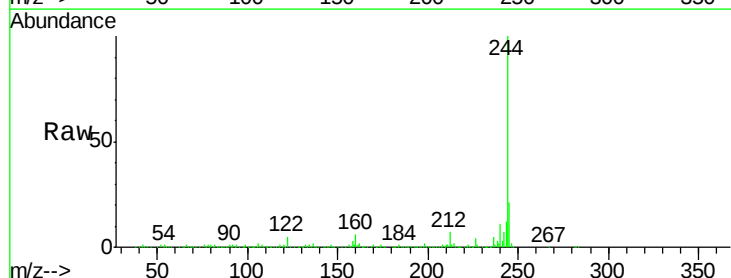
Tgt Ion:244 Resp: 1006882

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

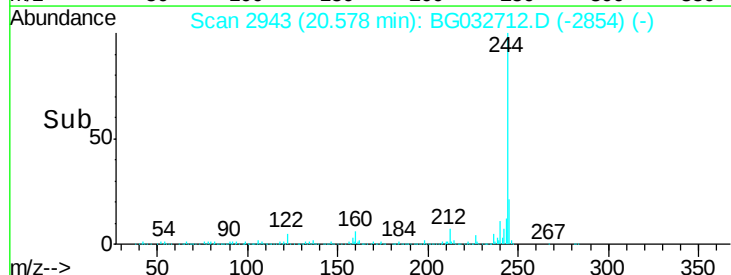
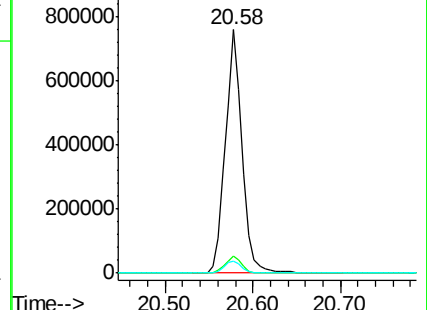
122 4.7 7.0 10.4#

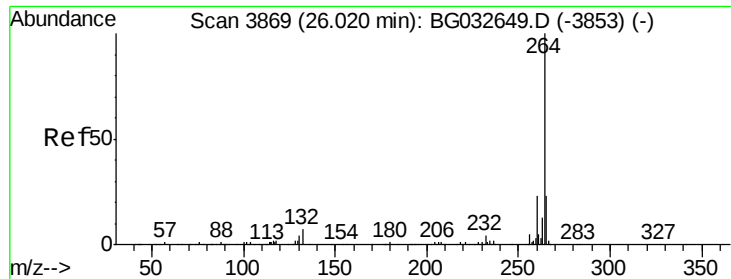


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.00 min Scan# 3865
 Delta R.T. -0.02 min
 Lab File: BG032712.D
 Acq: 15 Feb 2018 12:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	22.0	17.7	26.5

