

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032242.D
 Acq On : 23 Jan 2018 21:41
 Operator : SJ/JU
 Sample : J1238-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

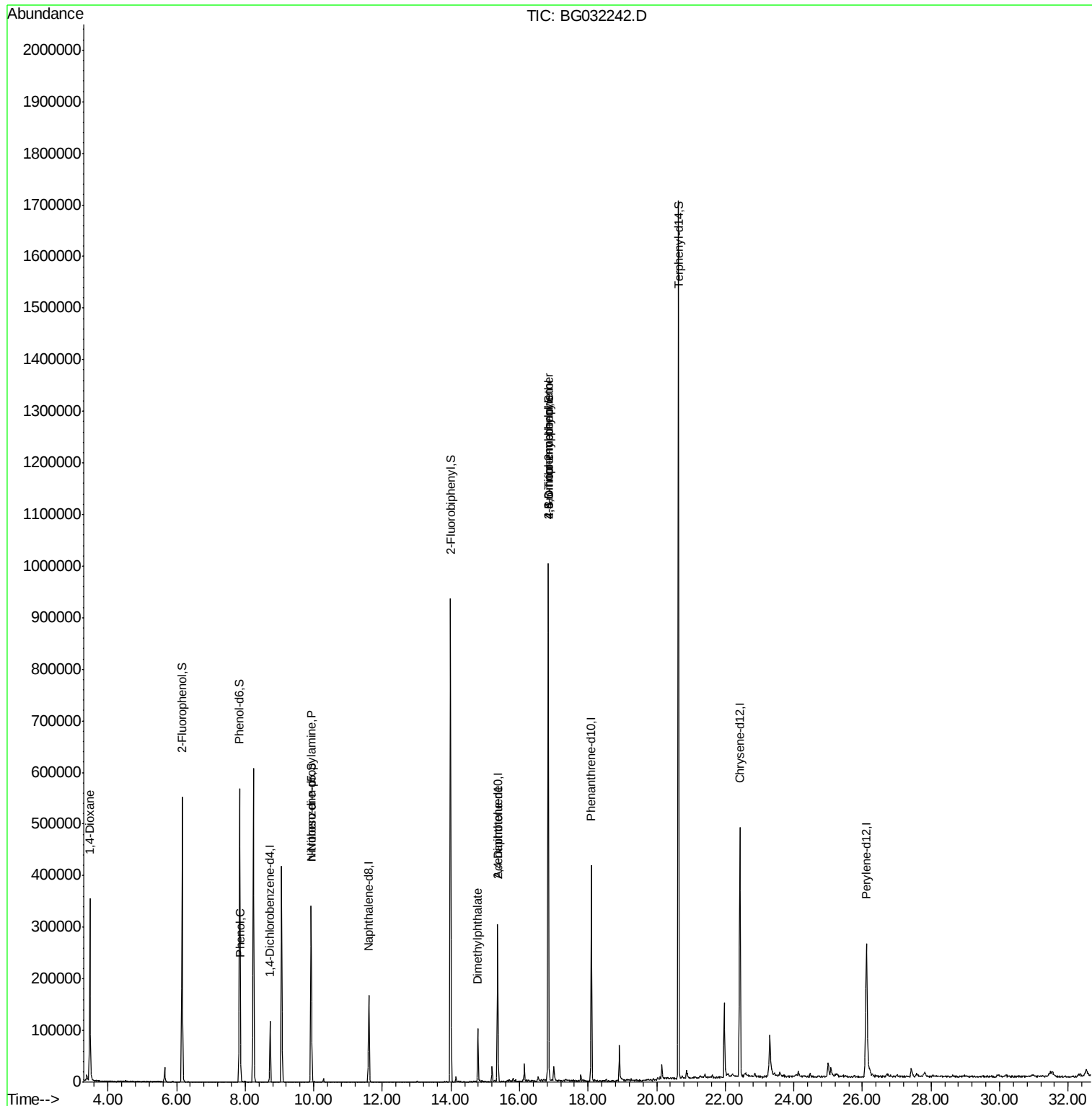
Quant Time: Jan 24 03:00:32 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	38968	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	164435	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	116644	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	284631	20.00	ng	-0.02
75) Chrysene-d12	22.42	240	367390	20.00	ng	-0.03
86) Perylene-d12	26.11	264	396270	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	271617	127.48	ng	0.00
7) Phenol-d6	7.84	99	345806	128.87	ng	0.00
23) Nitrobenzene-d5	9.92	82	209541	86.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	217556	112.71	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	560800	59.61	ng	-0.02
78) Terphenyl-d14	20.63	244	921675	55.39	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.48	88	4131	5.047	ng	Qvalue # 1
10) Phenol	7.86	94	10491	3.969	ng	# 80
19) n-Nitroso-di-n-propylamine	9.93	70	29438	17.681	ng	# 71
49) Dimethylphthalate	14.79	163	75844	7.430	ng	# 99
56) 2,4-Dinitrotoluene	15.36	165	14423	5.056	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	276	5.020	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	19087	4.713	ng	# 1

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampleId :

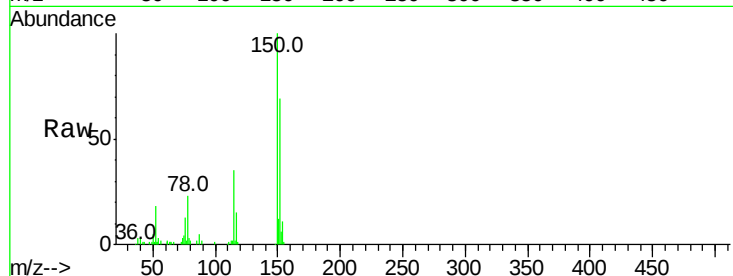
Tot Ion:152 Resp: 38968

Ion Ratio Lower Upper

152 100

150 144.8 126.6 189.8

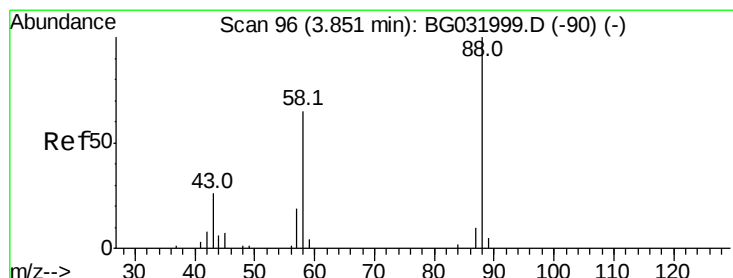
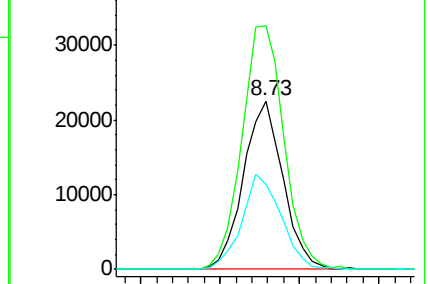
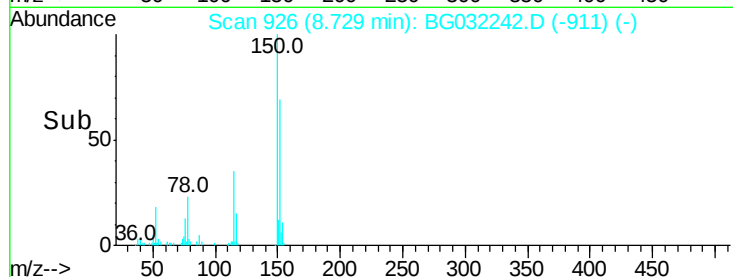
115 50.5 53.0 79.4#



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



#2

1,4-Dioxane

Concen: 5.047 ng

RT: 3.48 min Scan# 32

Delta R.T. -0.36 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

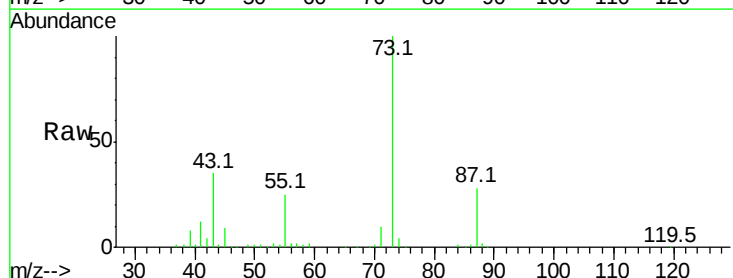
Tgt Ion: 88 Resp: 4131

Ion Ratio Lower Upper

88 100

58 42.1 79.6 119.4#

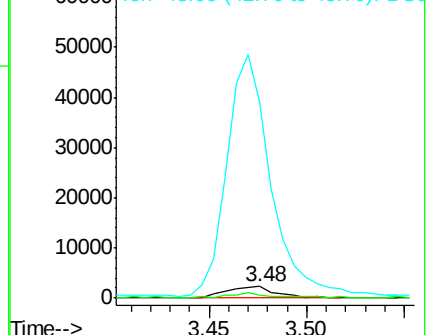
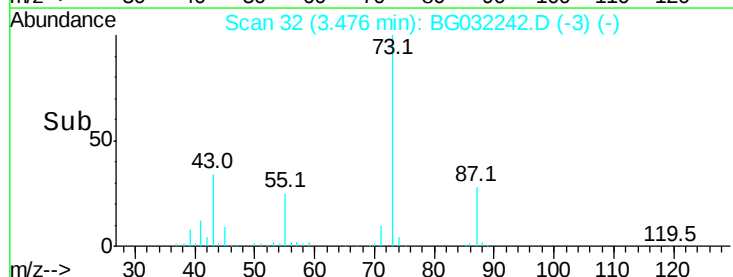
43 1835.0 27.4 41.0#

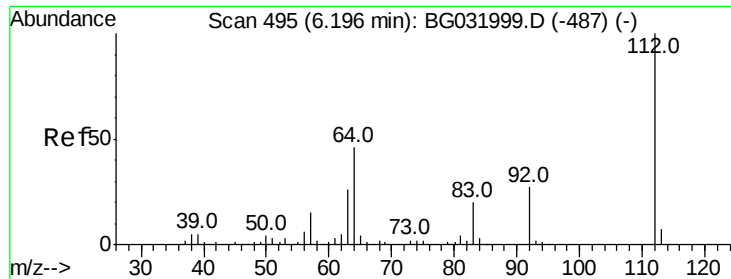


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.481 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampled :

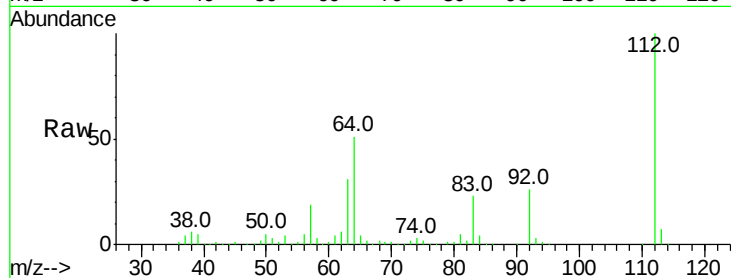
Tot Ion:112 Resp: 271617

Ion Ratio Lower Upper

112 100

64 51.1 56.3 84.5#

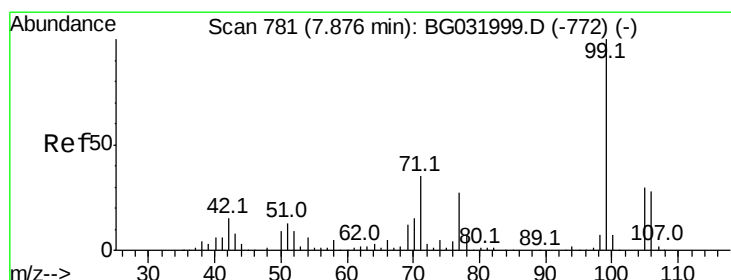
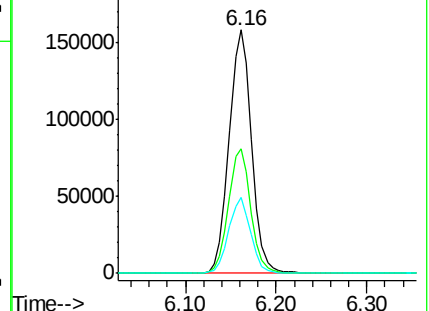
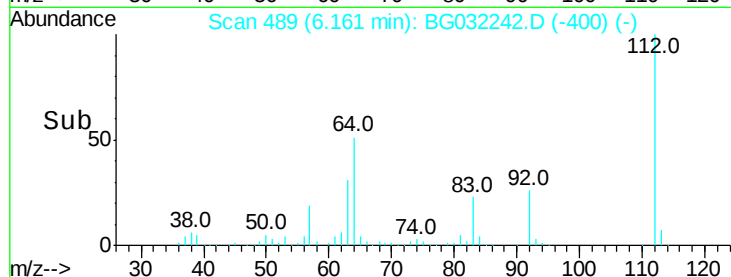
63 31.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 128.868 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

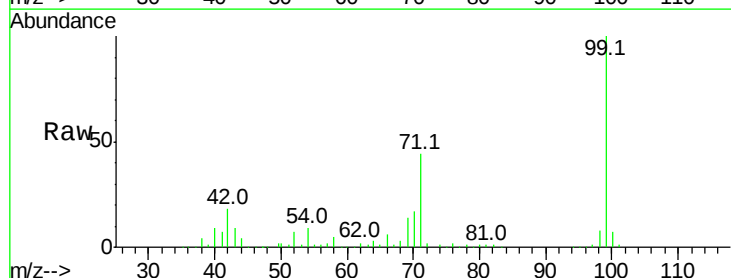
Tgt Ion: 99 Resp: 345806

Ion Ratio Lower Upper

99 100

42 18.2 14.1 21.1

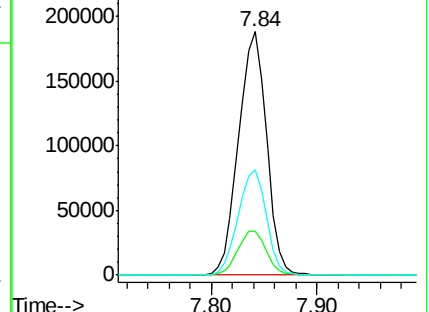
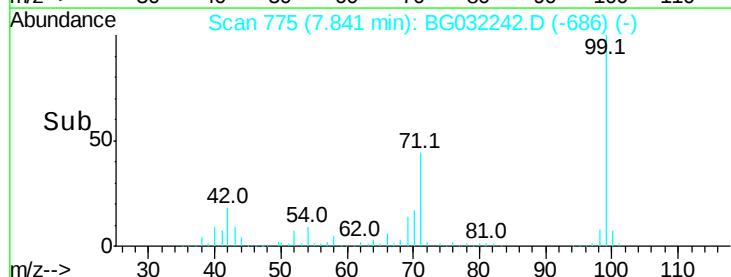
71 43.5 26.1 39.1#

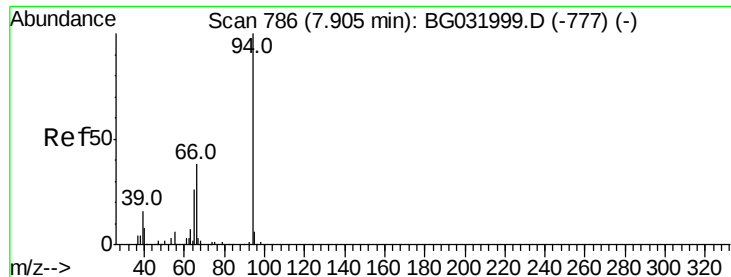


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.969 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.01 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampleId :

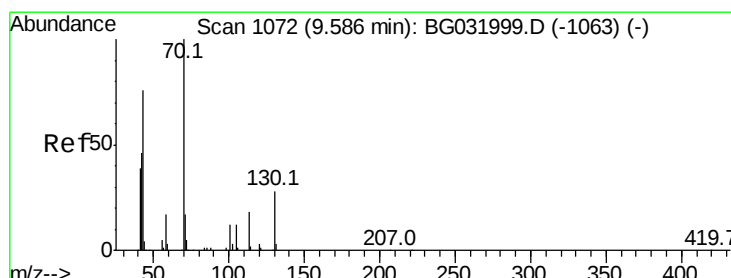
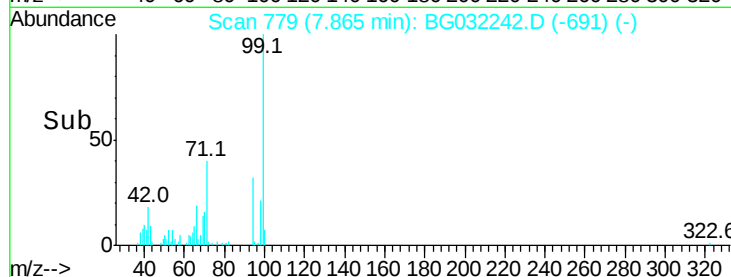
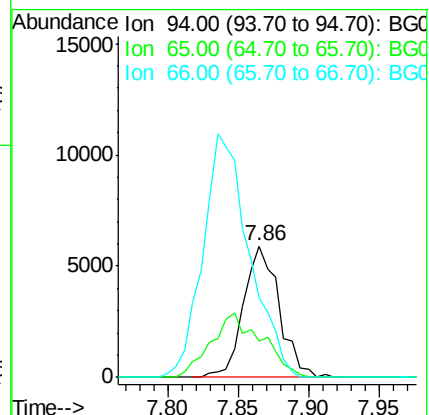
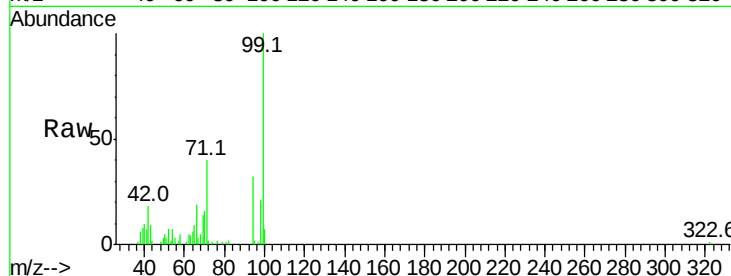
Tot Ion: 94 Resp: 10491

Ion Ratio Lower Upper

94 100

65 27.7 11.9 51.9

66 61.1 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.681 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.37 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Tgt Ion: 70 Resp: 29438

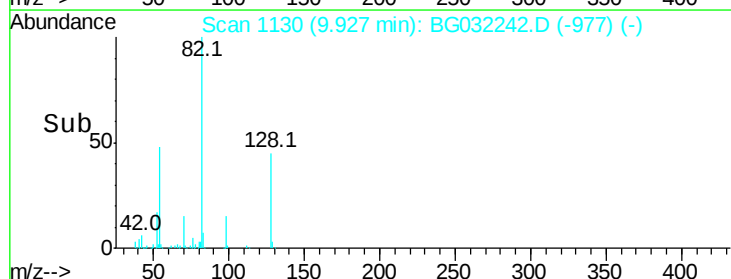
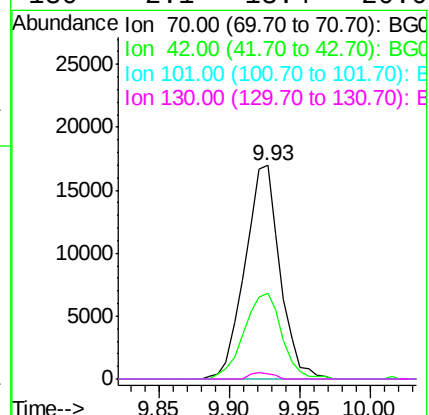
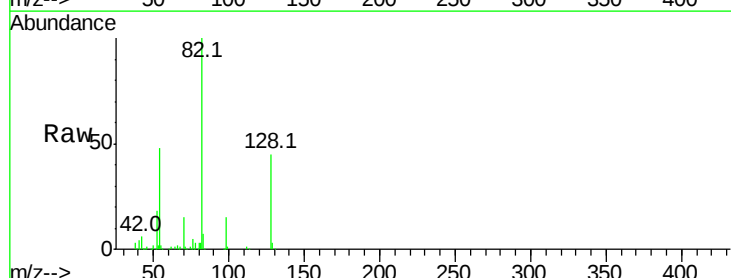
Ion Ratio Lower Upper

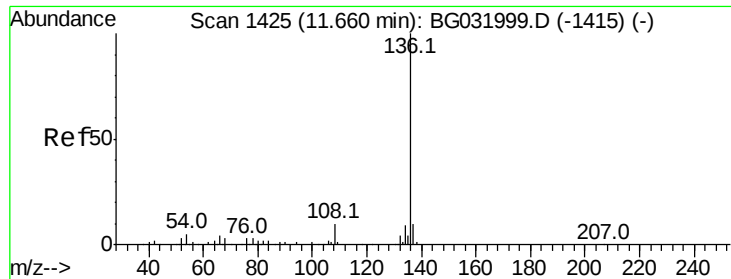
70 100

42 40.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.61 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 164435

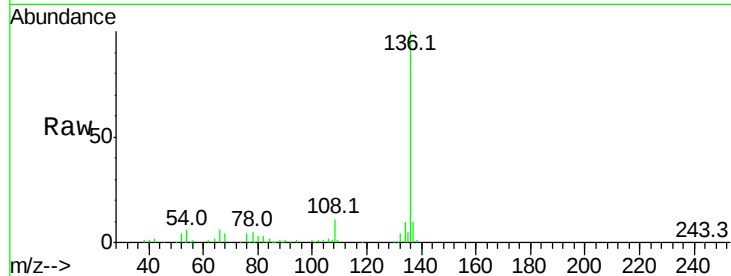
Ion Ratio Lower Upper

136 100

137 9.9 9.2 13.8

54 5.8 10.3 15.5#

68 3.8 4.5 6.7#

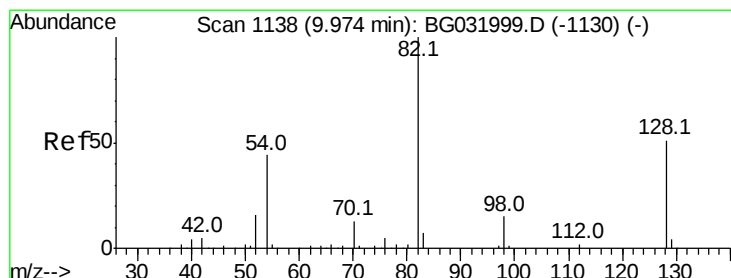
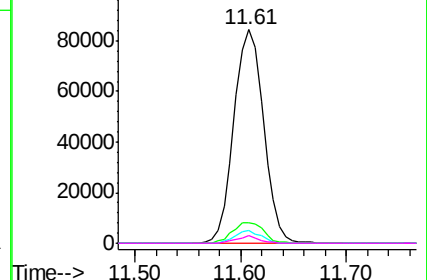
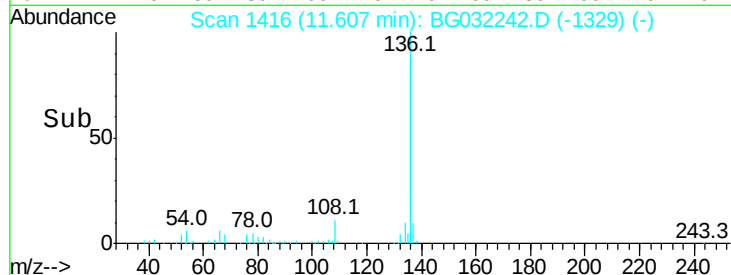


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.212 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

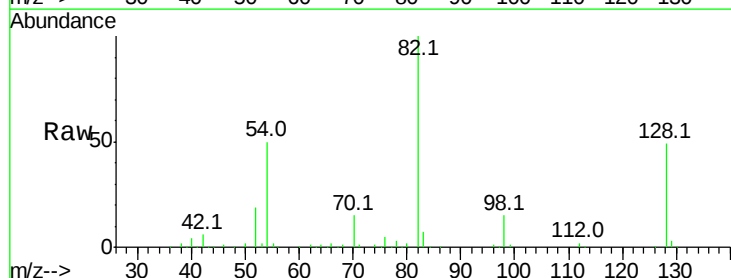
Tgt Ion: 82 Resp: 209541

Ion Ratio Lower Upper

82 100

128 48.9 29.7 44.5#

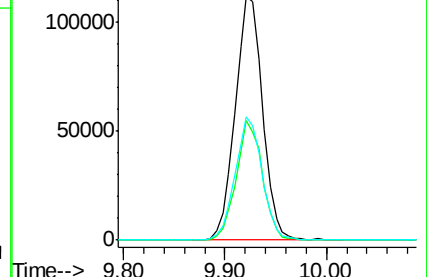
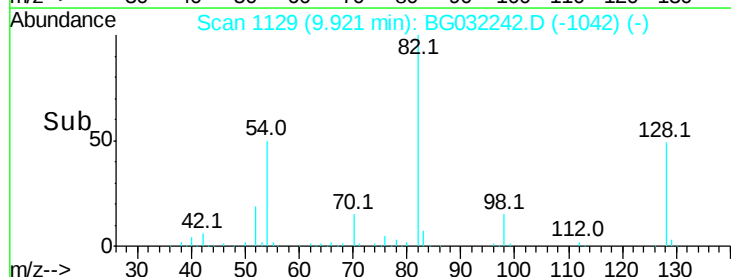
54 50.4 43.1 64.7

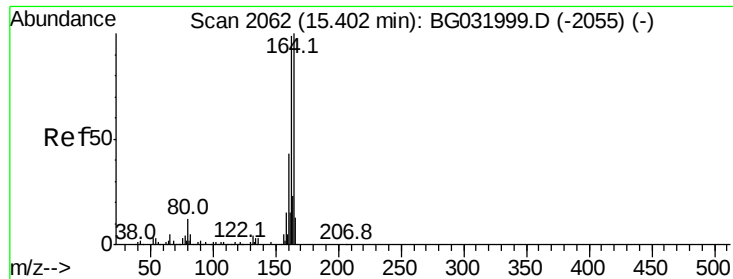


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

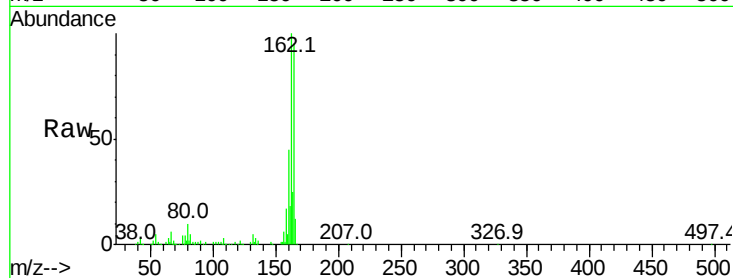
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 116644

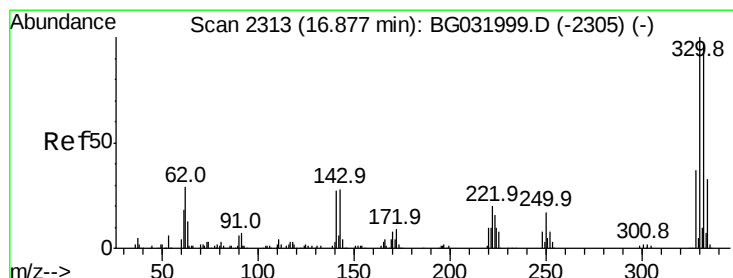
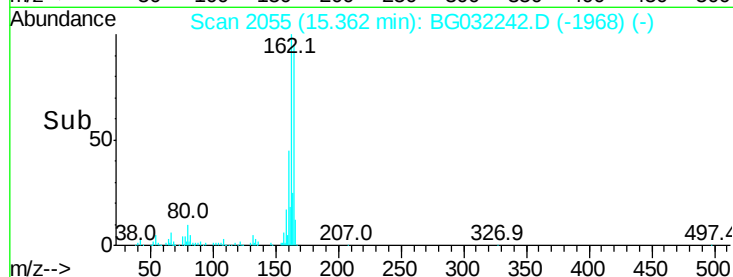
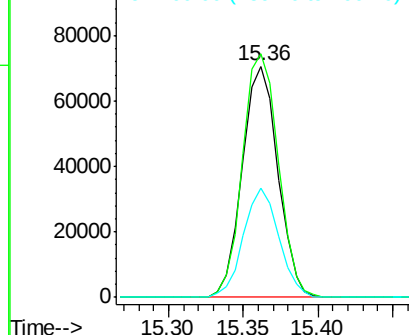
Ion	Ratio	Lower	Upper
164	100		
162	105.2	78.8	118.2
160	47.0	35.4	53.0



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: 112.712 ng

RT: 16.84 min Scan# 2306

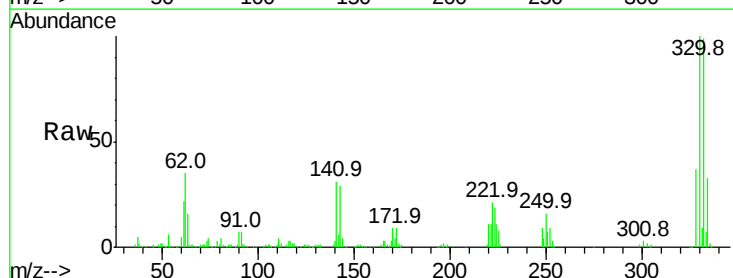
Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Tgt Ion:330 Resp: 217556

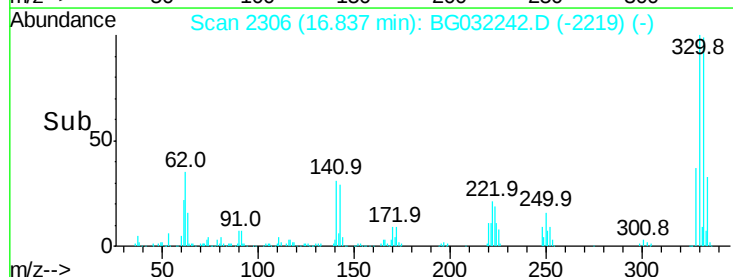
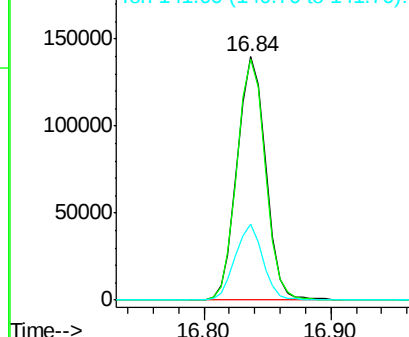
Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	30.0	25.2	37.8

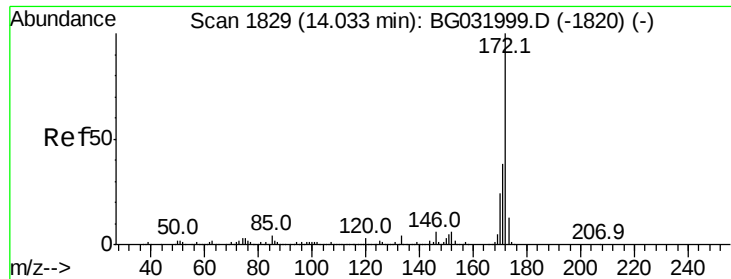


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

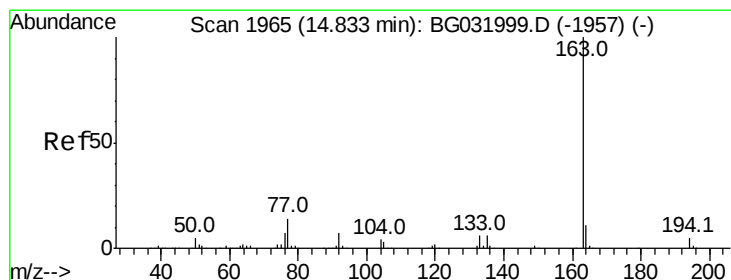
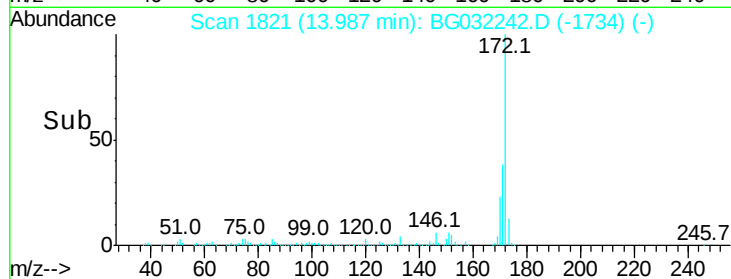
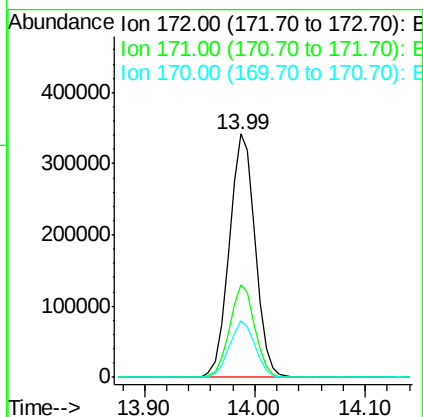
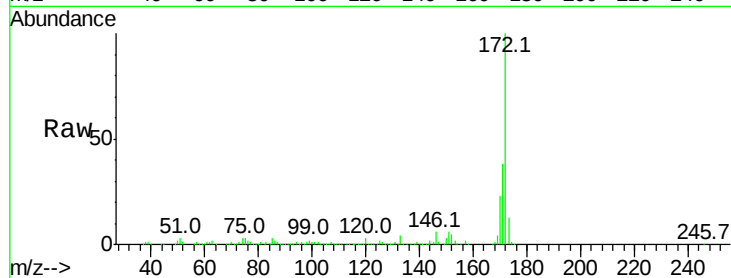




#44
2-Fluorobiphenyl
Concen: 59.614 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BG032242.D
Acq: 23 Jan 2018 21:41

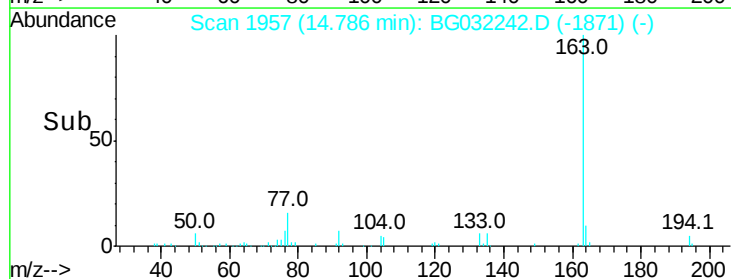
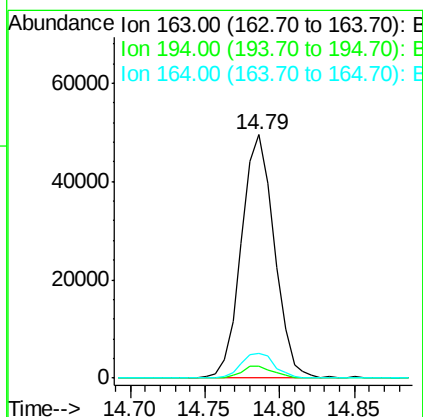
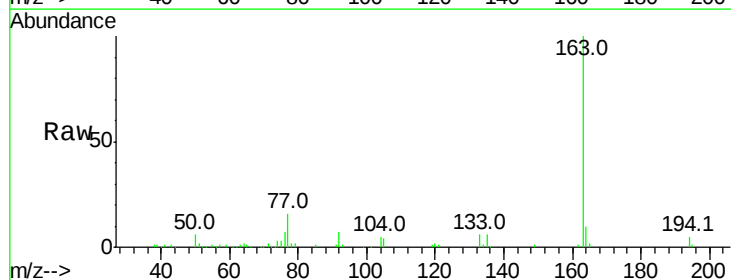
Instrument :
BNA_G
ClientSampleId :

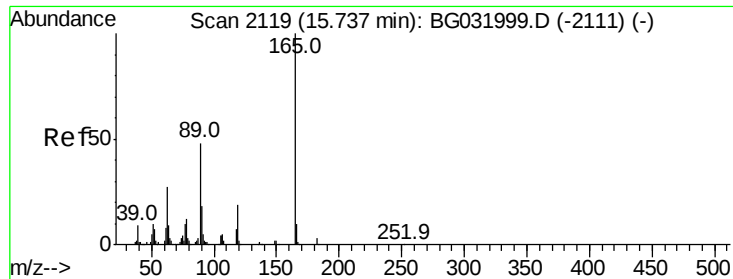
Tot Ion:172 Resp: 560800
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 23.3 19.5 29.3



#49
Dimethylphthalate
Concen: 7.430 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.03 min
Lab File: BG032242.D
Acq: 23 Jan 2018 21:41

Tgt Ion:163 Resp: 75844
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.2
164 10.4 8.2 12.4





#56

2,4-Dinitrotoluene

Concen: 5.056 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.35 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 14423

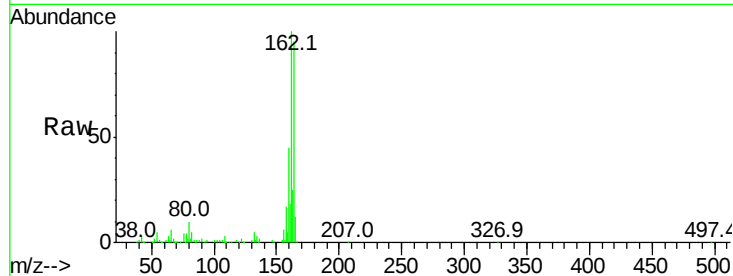
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

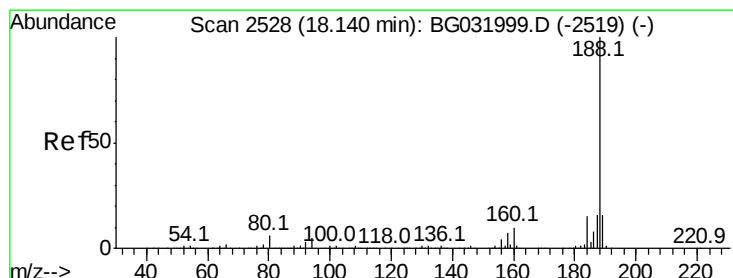
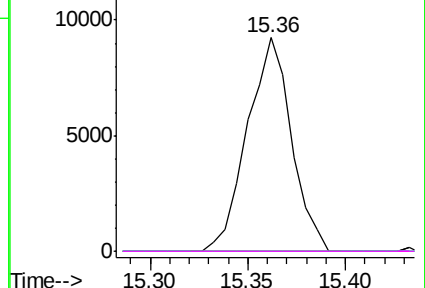
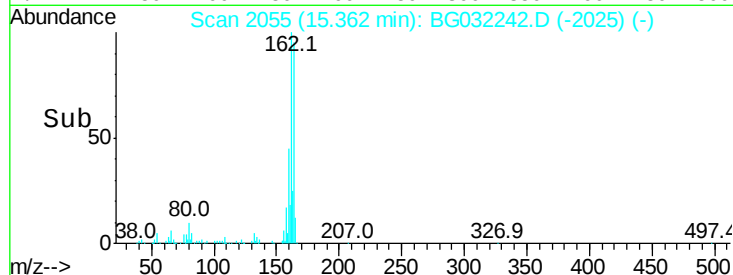


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.09 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

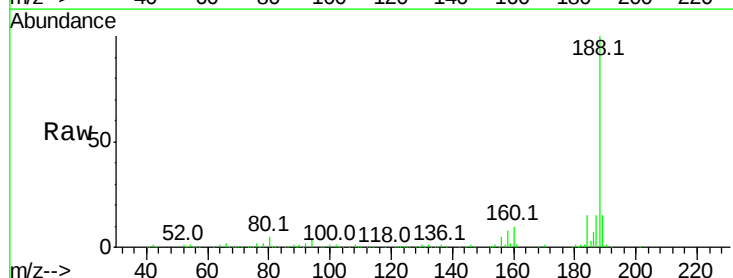
Tgt Ion:188 Resp: 284631

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

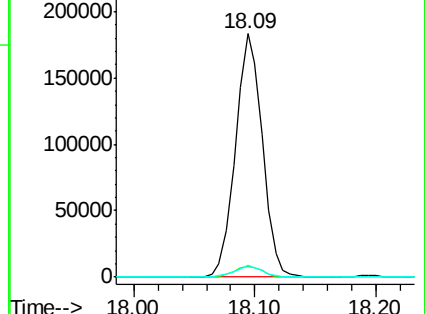
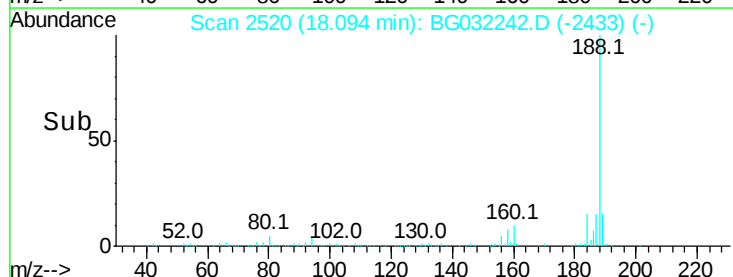
80 4.8 7.7 11.5#

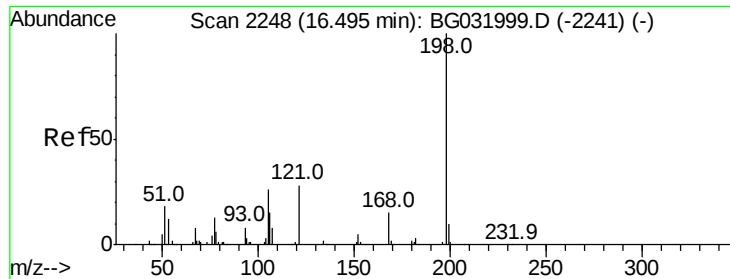


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.020 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.36 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampled :

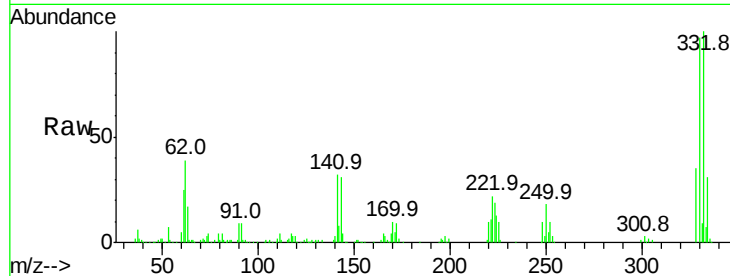
Tot Ion:198 Resp: 276

Ion Ratio Lower Upper

198 100

51 91.2 30.6 70.6#

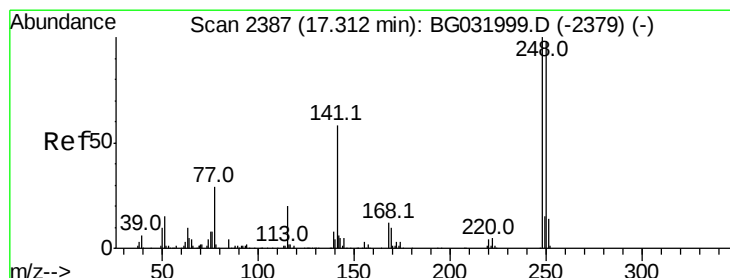
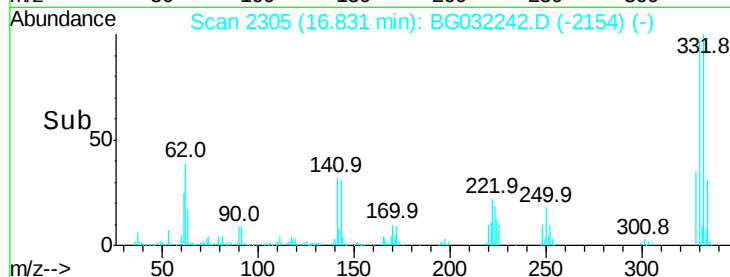
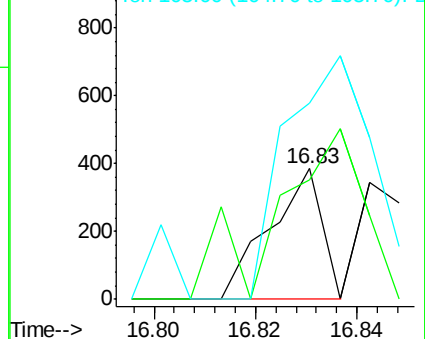
105 150.1 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.713 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.45 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

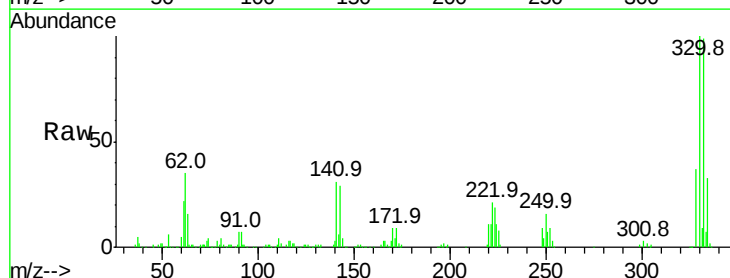
Tgt Ion:248 Resp: 19087

Ion Ratio Lower Upper

248 100

250 186.8 77.1 115.7#

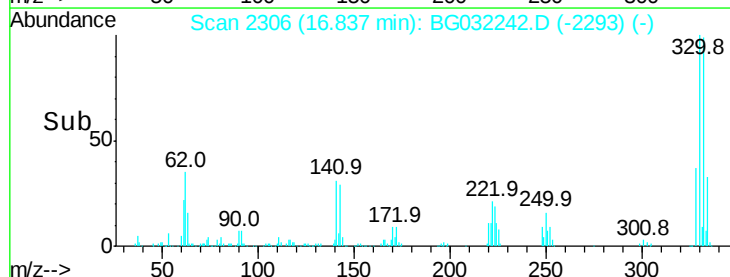
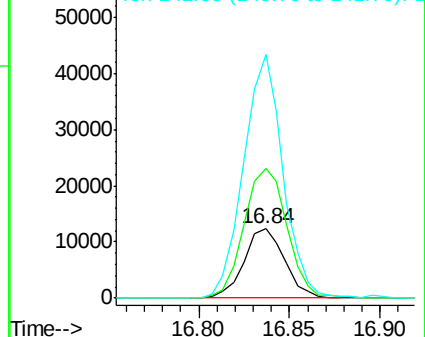
141 352.2 50.8 76.2#

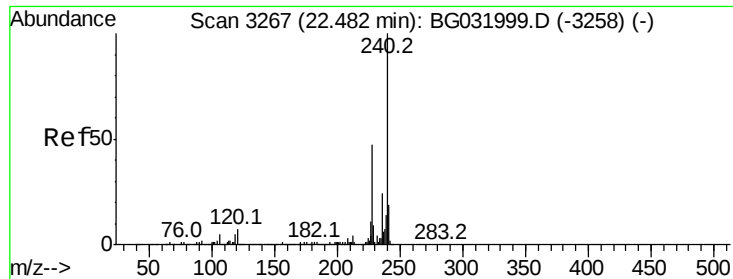


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.42 min Scan# 3257

Delta R.T. -0.03 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

Instrument :

BNA_G

ClientSampleId :

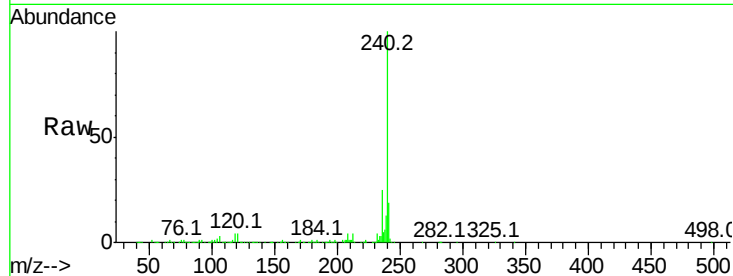
Tot Ion:240 Resp: 367390

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

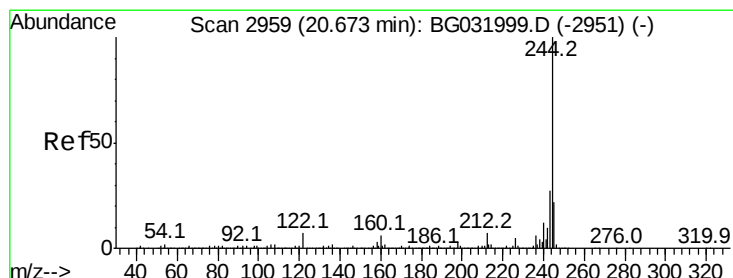
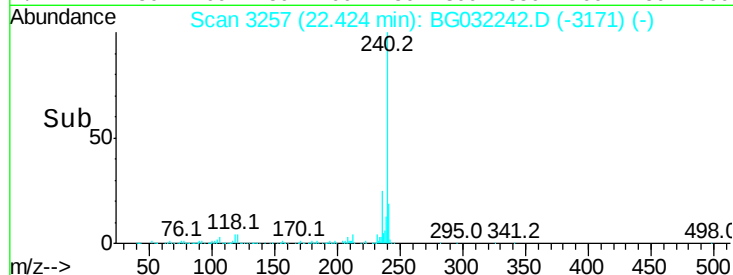
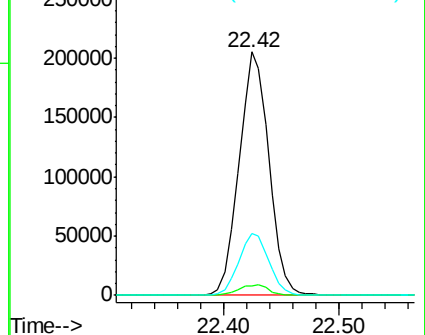
236 25.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 55.393 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032242.D

Acq: 23 Jan 2018 21:41

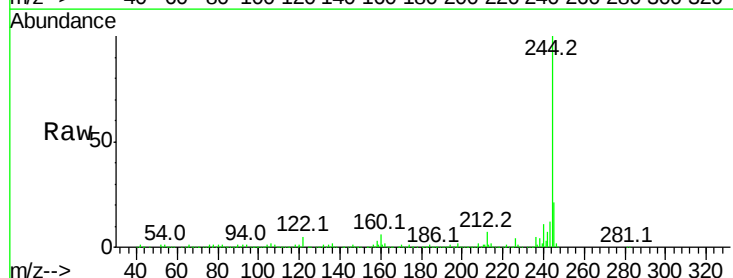
Tgt Ion:244 Resp: 921675

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

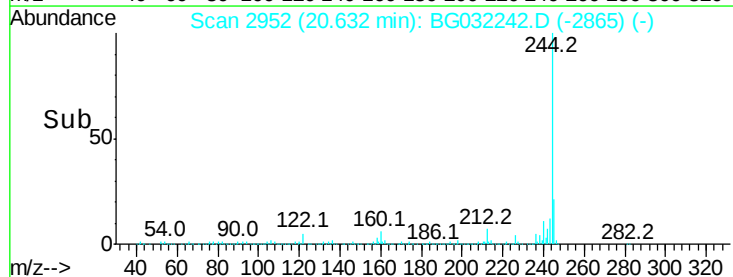
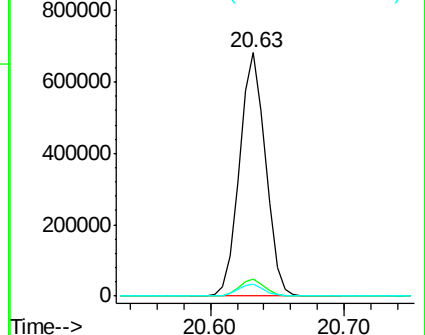
122 4.8 7.0 10.4#

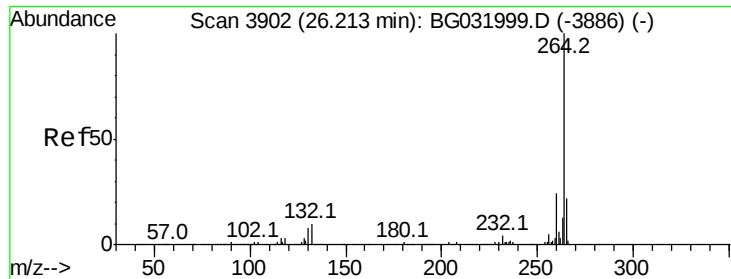


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.11 min Scan# 3885
Delta R.T. -0.04 min
Lab File: BG032242.D
Acq: 23 Jan 2018 21:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.0	17.7	26.5

