

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032323.D
 Acq On : 26 Jan 2018 10:24
 Operator : SJ/JU
 Sample : J1020-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 11:56:02 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	29873	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	118710	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	92749	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	280523	20.00	ng	0.00
75) Chrysene-d12	22.41	240	357225	20.00	ng	-0.01
86) Perylene-d12	26.09	264	378238	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	200928	123.02	ng	0.00
7) Phenol-d6	7.83	99	235565	114.51	ng	0.00
23) Nitrobenzene-d5	9.92	82	177273	101.03	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	253457	165.14	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	652204	87.19	ng	0.00
78) Terphenyl-d14	20.63	244	1516278	93.72	ng	0.00

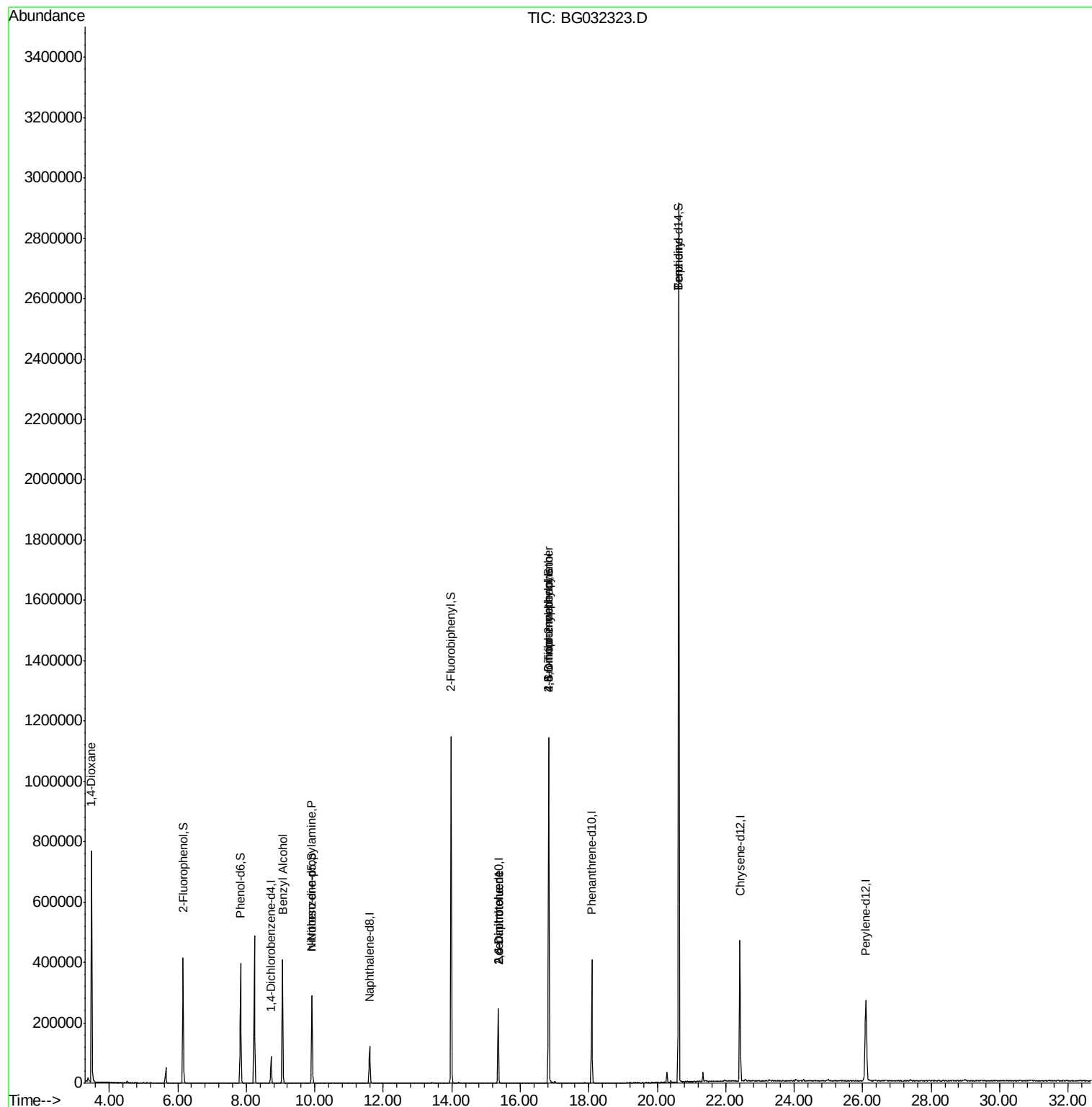
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	8170	13.020	ng	# 1
15) Benzyl Alcohol	9.06	79	3324	2.224	ng	# 40
19) n-Nitroso-di-n-propylamine	9.92	70	25713	20.146	ng	# 75
50) 2,6-Dinitrotoluene	15.36	165	12220	7.254	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	12220	5.388	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	738	5.254	ng	# 68
66) 4-Bromophenyl-phenylether	16.83	248	21408	5.364	ng	# 1
76) Benzidine	20.63	184	22164	2.481	ng	# 89

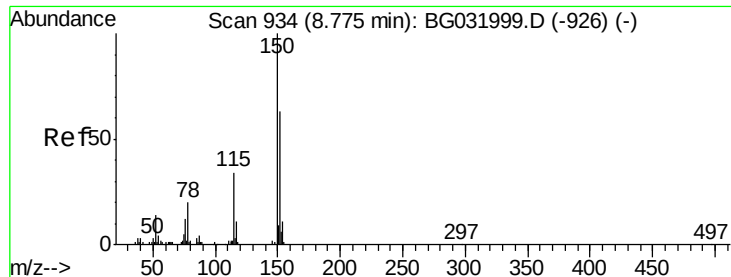
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
Data File : BG032323.D
Acq On : 26 Jan 2018 10:24
Operator : SJ/JU
Sample : J1020-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 26 11:56:02 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 24 14:02:41 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampleId :

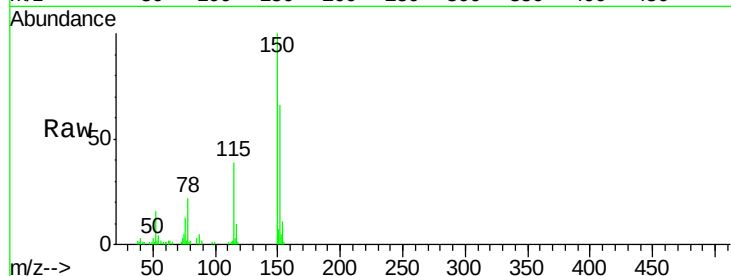
Tot Ion:152 Resp: 29873

Ion Ratio Lower Upper

152 100

150 150.9 126.6 189.8

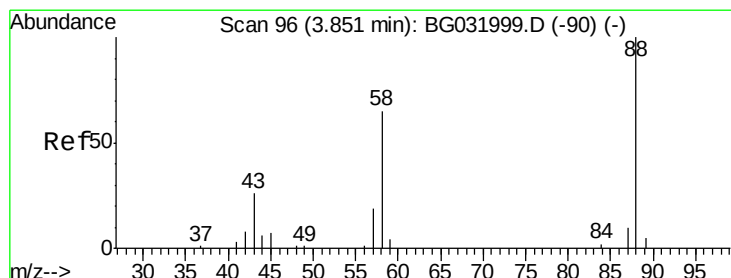
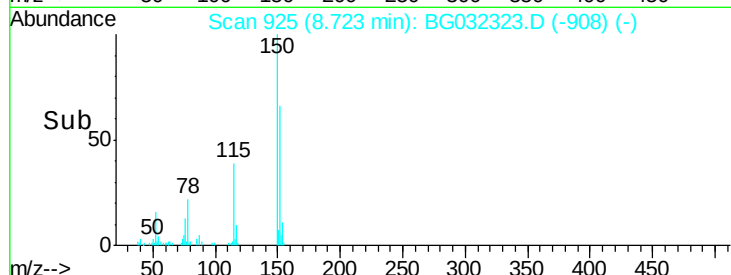
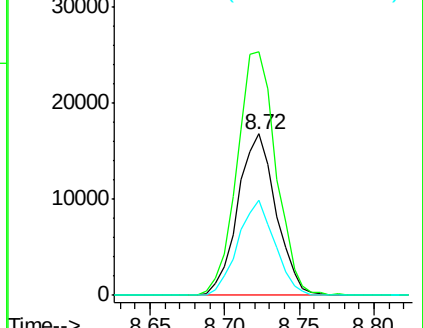
115 59.0 53.0 79.4



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: 13.020 ng

RT: 3.48 min Scan# 33

Delta R.T. -0.34 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

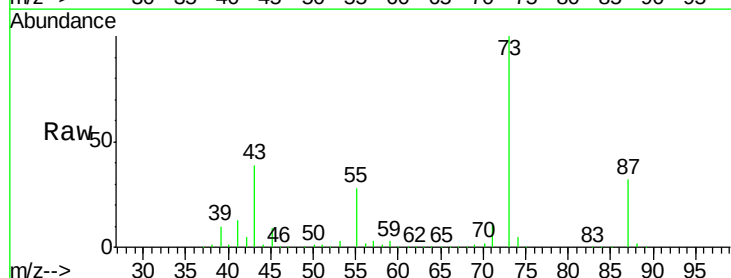
Tgt Ion: 88 Resp: 8170

Ion Ratio Lower Upper

88 100

58 34.0 79.6 119.4#

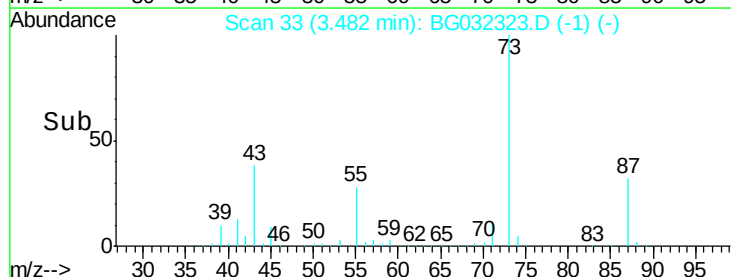
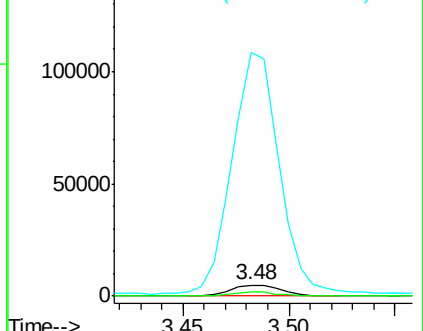
43 2053.4 27.4 41.0#

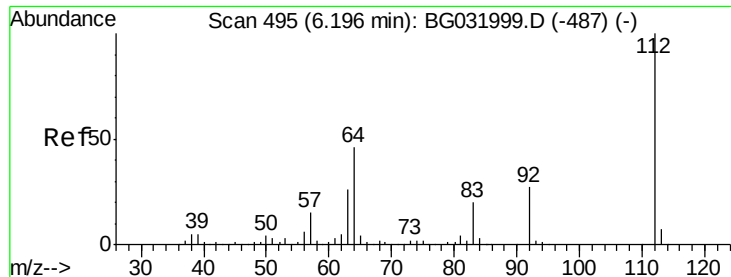


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 123.015 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032323.D

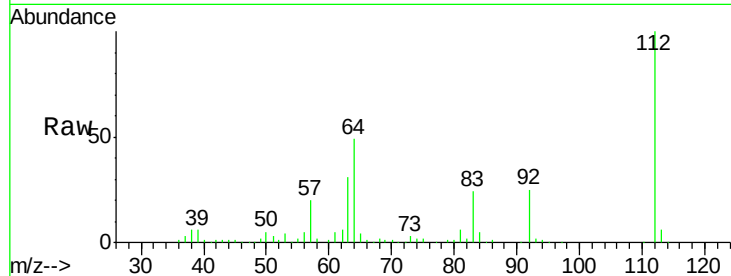
Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampleId :

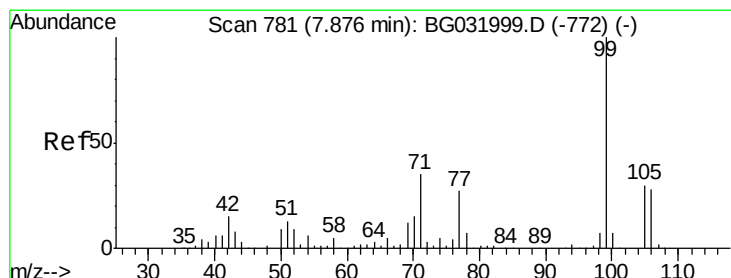
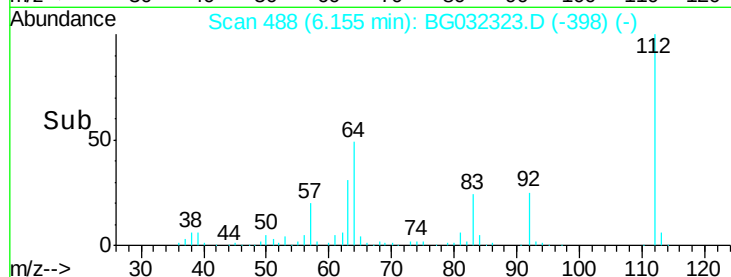
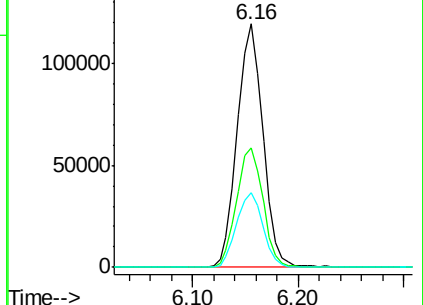
Tot Ion:	112	Resp:	200928
Ion	Ratio	Lower	Upper
112	100		
64	49.0	56.3	84.5#
63	30.7	30.1	45.1



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: 114.513 ng

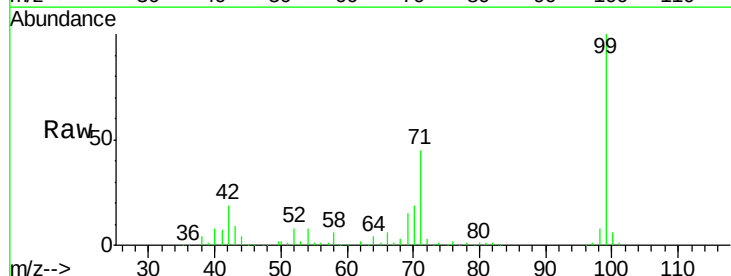
RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

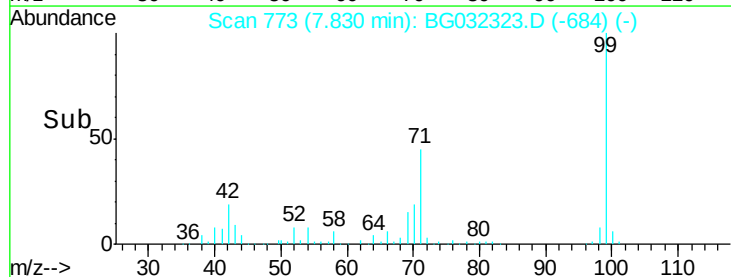
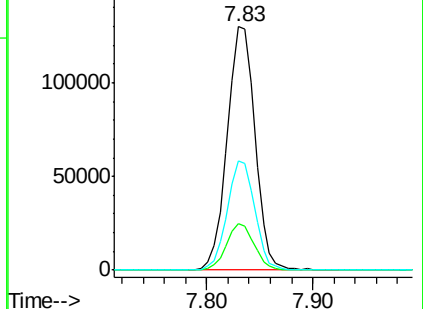
Tgt Ion:	99	Resp:	235565
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.1	21.1
71	44.9	26.1	39.1#

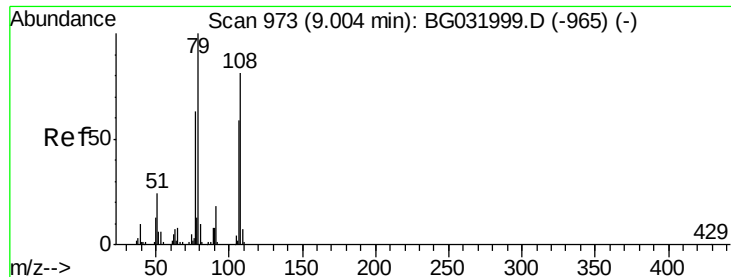


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

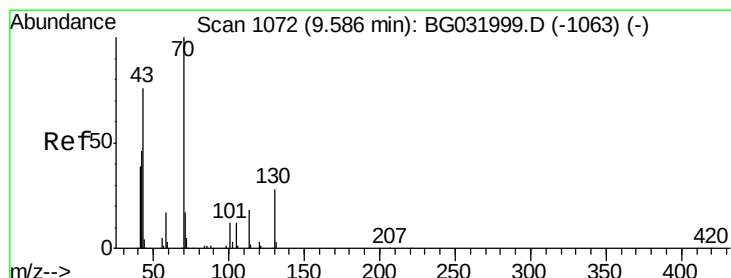
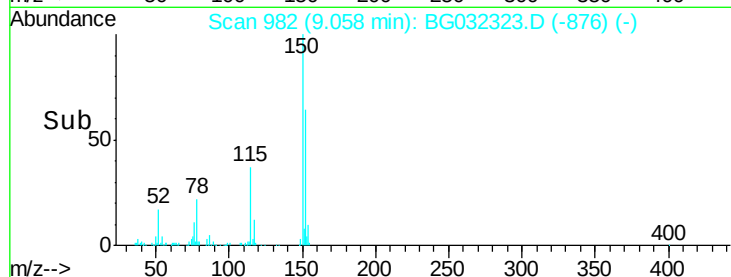
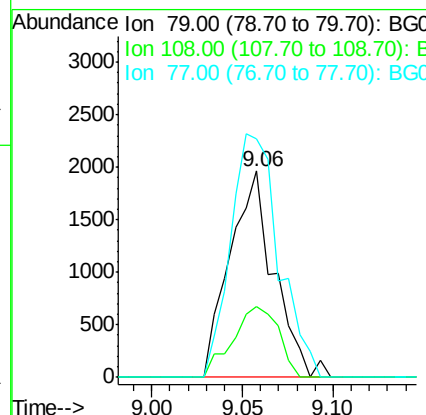
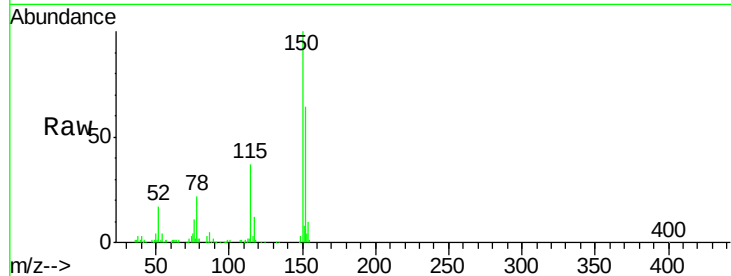




#15
Benzyl Alcohol
Concen: 2.224 ng
RT: 9.06 min Scan# 982
Delta R.T. 0.09 min
Lab File: BG032323.D
Acq: 26 Jan 2018 10:24

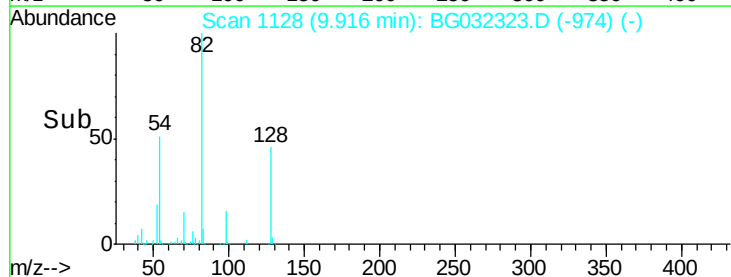
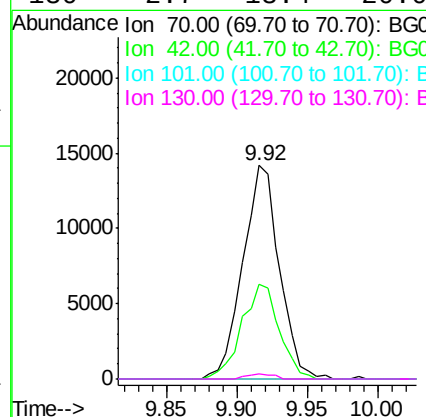
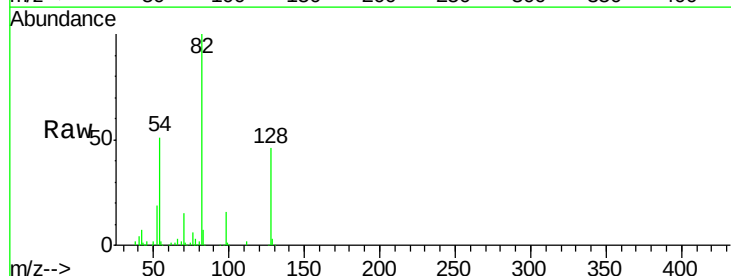
Instrument :
BNA_G
ClientSampleId :

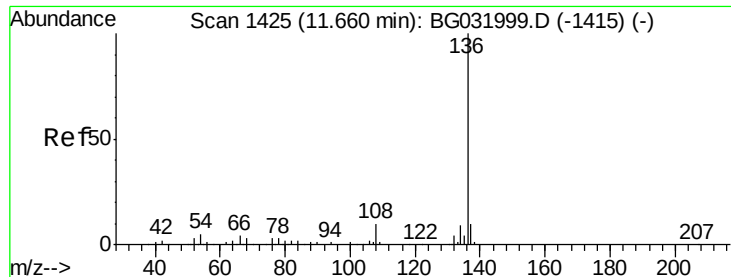
Tot Ion: 79 Resp: 3324
Ion Ratio Lower Upper
79 100
108 34.2 57.2 85.8#
77 115.7 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 20.146 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032323.D
Acq: 26 Jan 2018 10:24

Tgt Ion: 70 Resp: 25713
Ion Ratio Lower Upper
70 100
42 44.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 118710

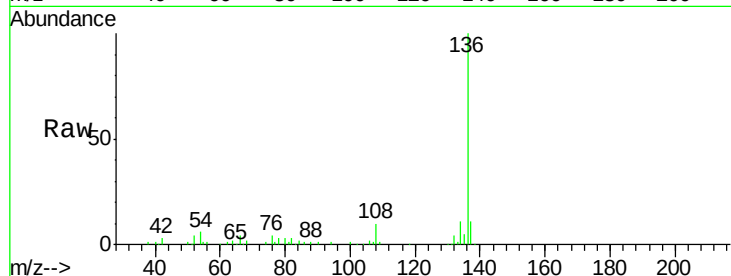
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 6.2 10.3 15.5#

68 2.3 4.5 6.7#

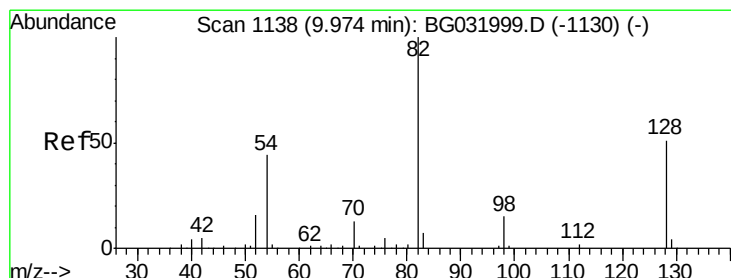
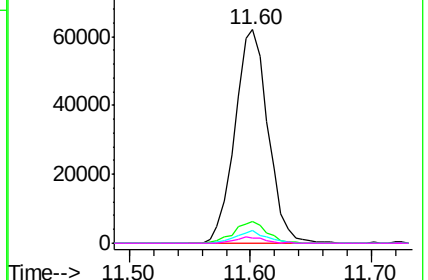
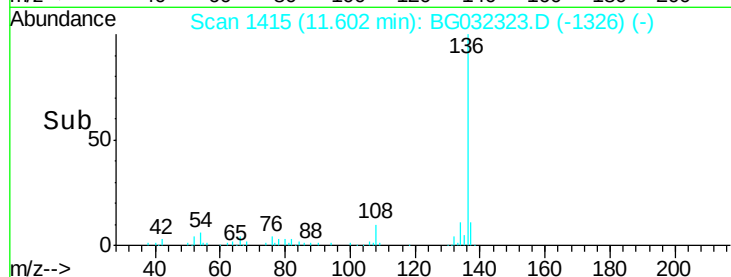


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.030 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

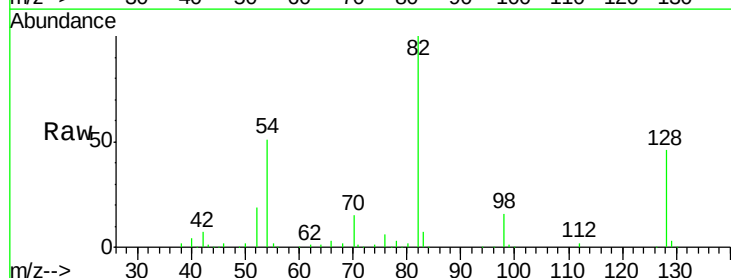
Tgt Ion: 82 Resp: 177273

Ion Ratio Lower Upper

82 100

128 46.0 29.7 44.5#

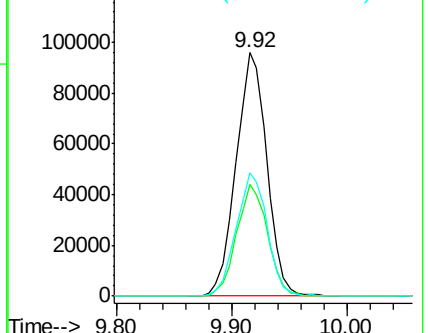
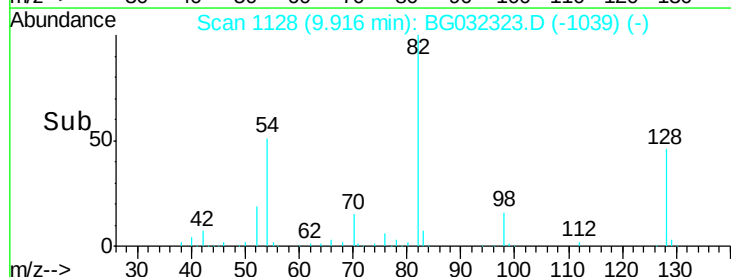
54 50.5 43.1 64.7

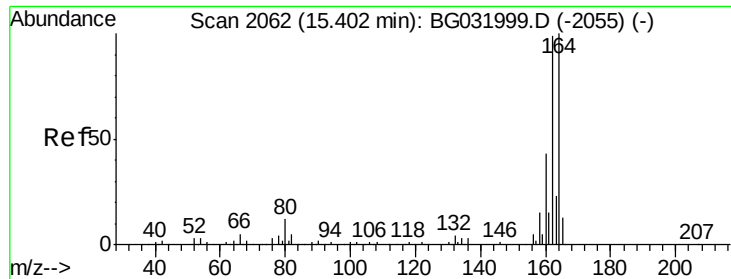


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 2054

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampleId :

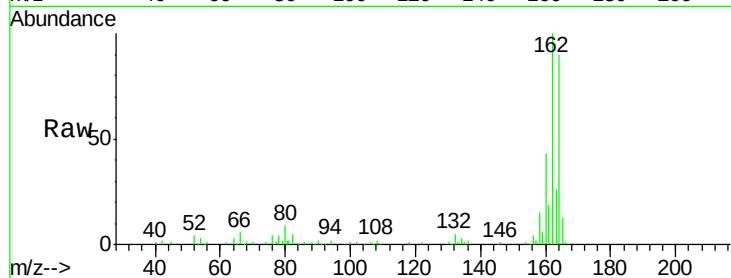
Tot Ion:164 Resp: 92749

Ion Ratio Lower Upper

164 100

162 111.5 78.8 118.2

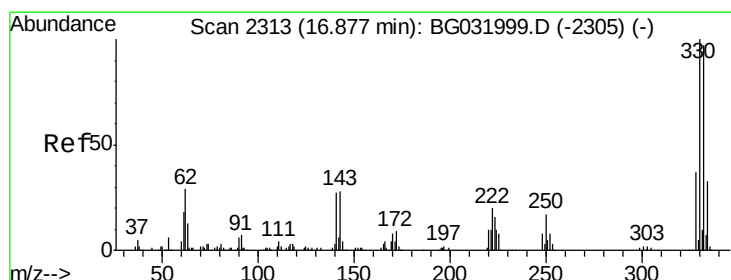
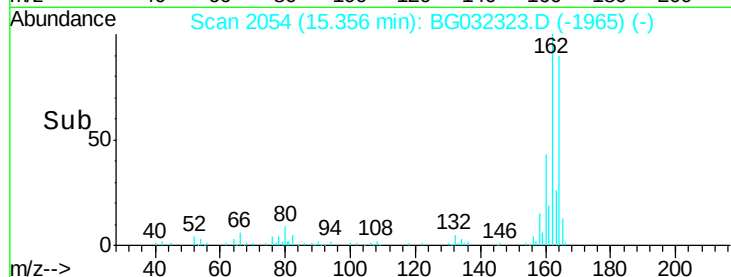
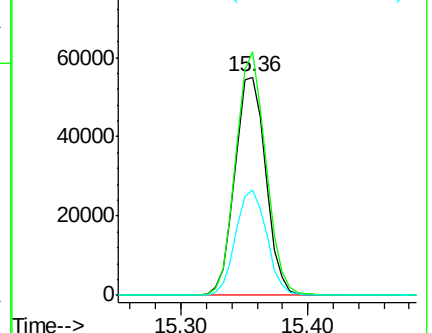
160 48.3 35.4 53.0



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: 165.142 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

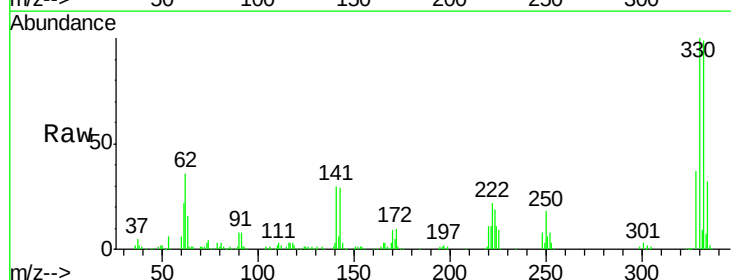
Tgt Ion:330 Resp: 253457

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

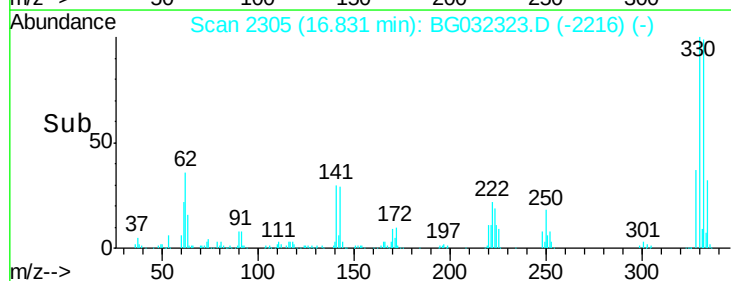
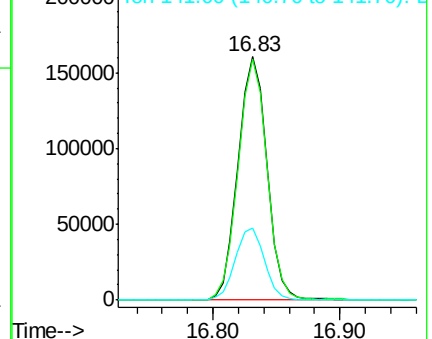
141 29.9 25.2 37.8

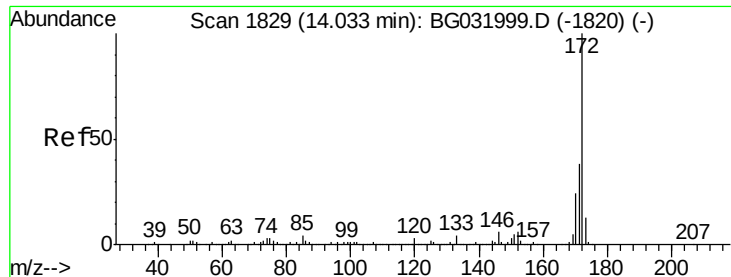


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

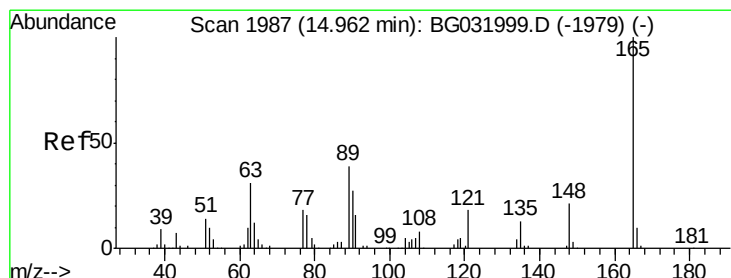
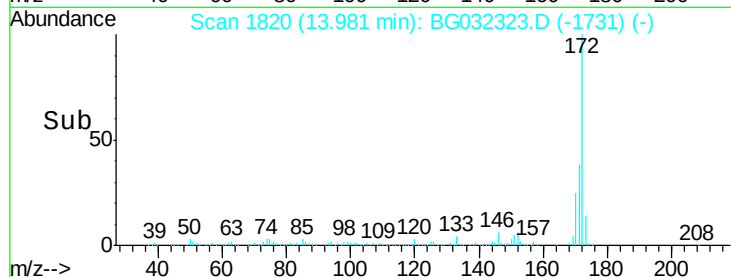
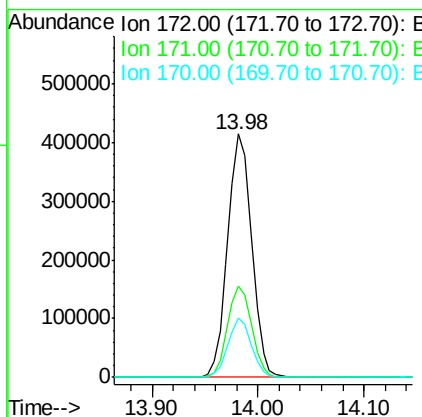
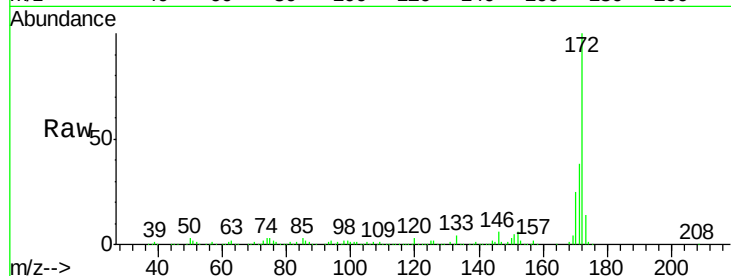




#44
2-Fluorobiphenyl
Concen: 87.192 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032323.D
Acq: 26 Jan 2018 10:24

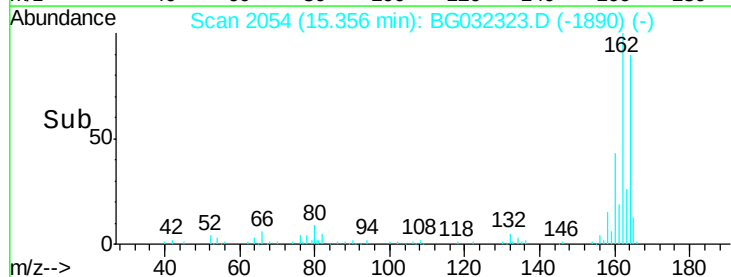
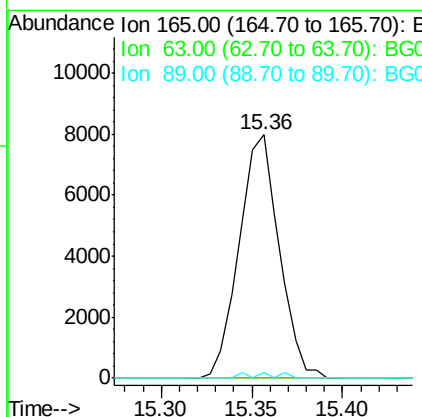
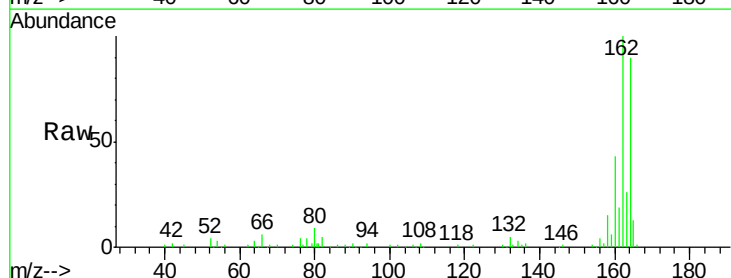
Instrument :
BNA_G
ClientSampled :

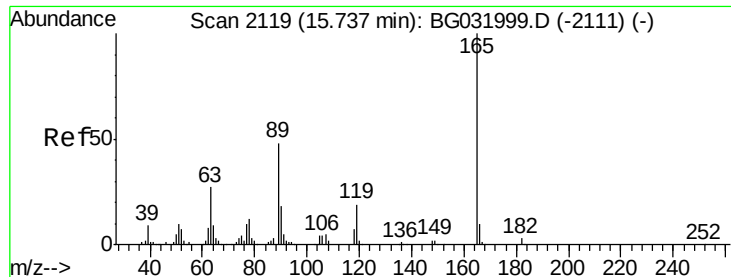
Tot Ion:172 Resp: 652204
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 24.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.254 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.43 min
Lab File: BG032323.D
Acq: 26 Jan 2018 10:24

Tgt Ion:165 Resp: 12220
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.2 49.2 73.8#

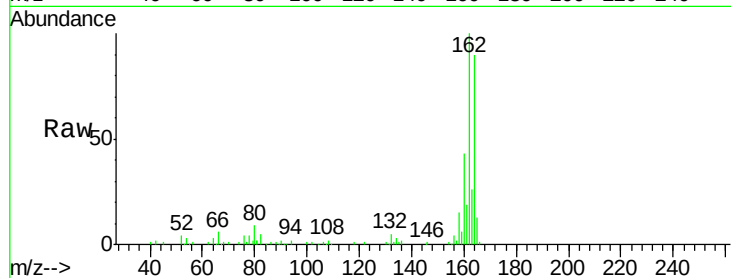




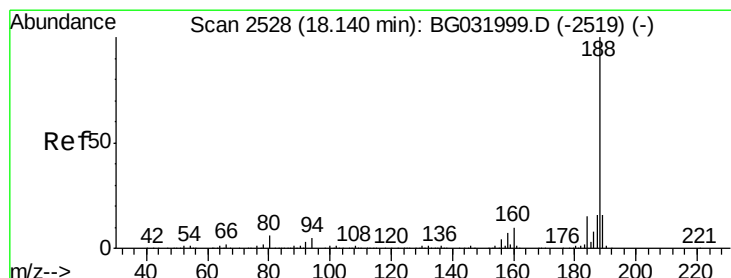
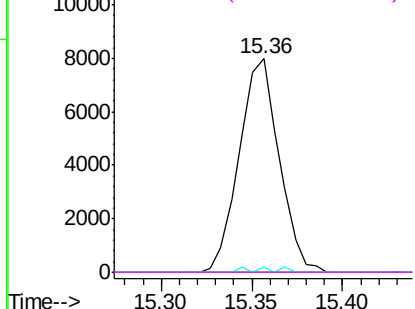
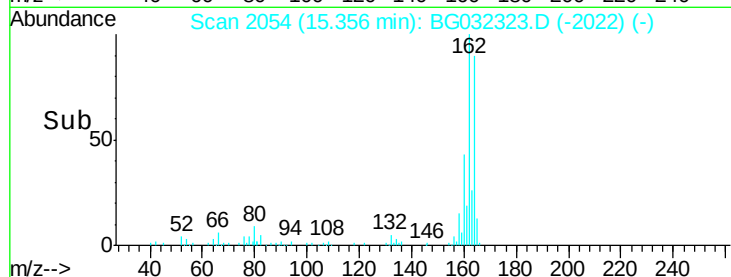
#56
 2,4-Dinitrotoluene
 Concen: 5.388 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032323.D
 Acq: 26 Jan 2018 10:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12220
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.2 66.9 100.3#
 182 0.0 2.6 3.8#

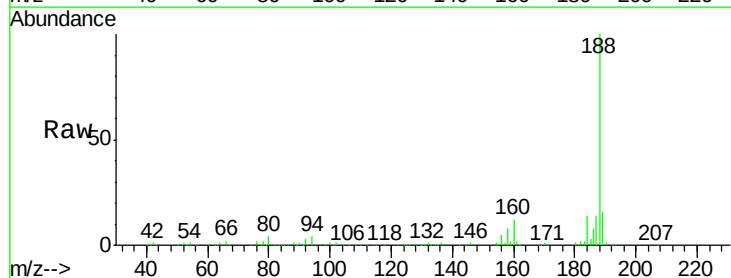


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

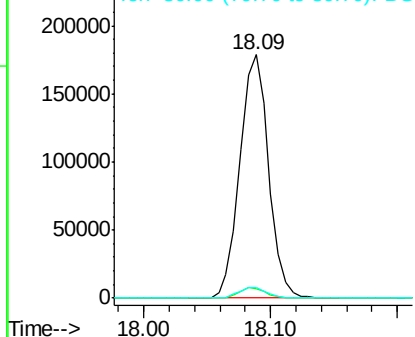
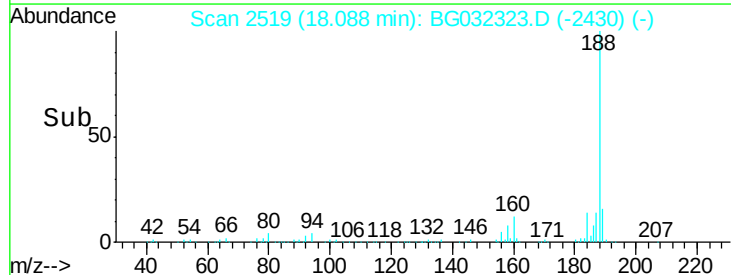


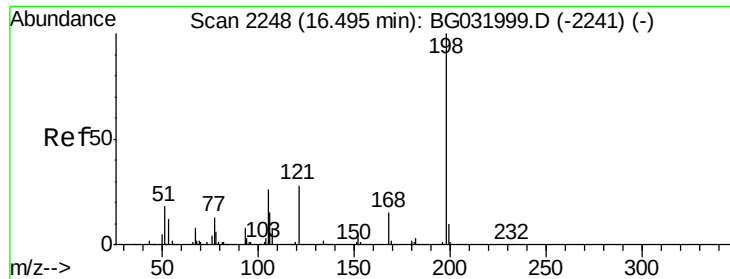
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032323.D
 Acq: 26 Jan 2018 10:24

Tgt Ion:188 Resp: 280523
 Ion Ratio Lower Upper
 188 100
 94 4.0 6.9 10.3#
 80 4.5 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: 5.254 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampled :

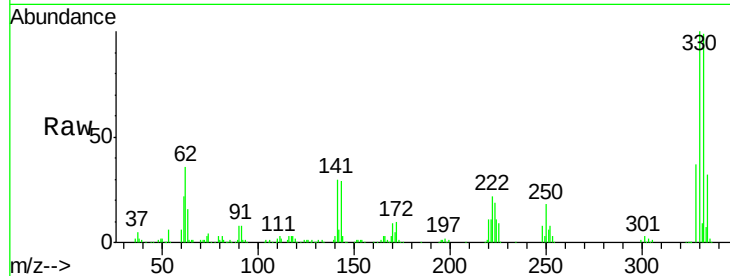
Tot Ion:198 Resp: 738

Ion Ratio Lower Upper

198 100

51 58.5 30.6 70.6

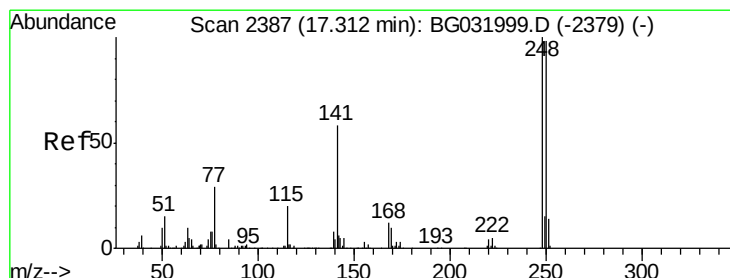
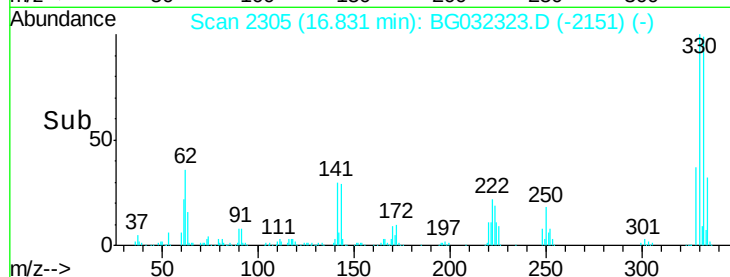
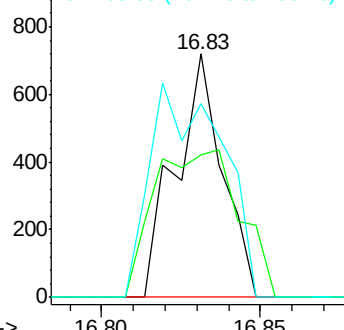
105 79.6 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.364 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

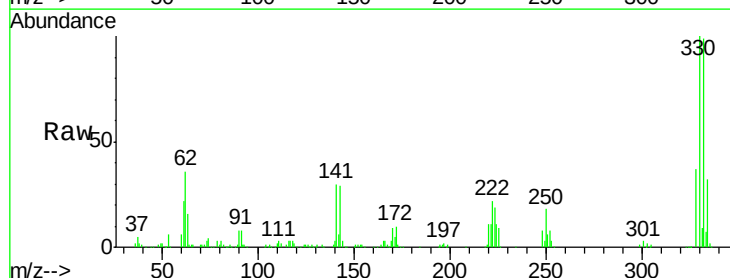
Tgt Ion:248 Resp: 21408

Ion Ratio Lower Upper

248 100

250 211.6 77.1 115.7#

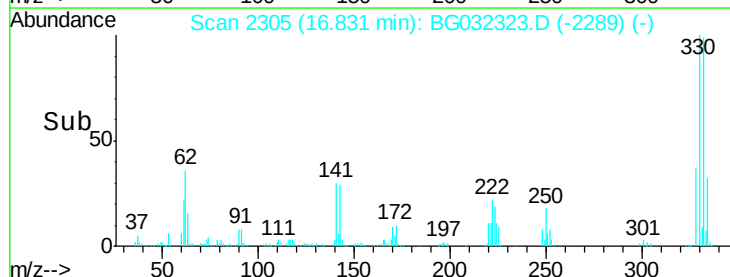
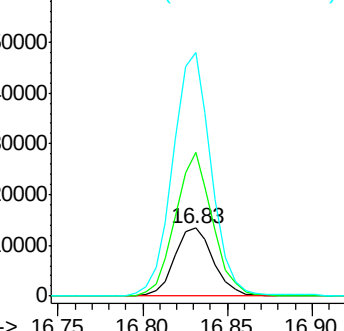
141 358.3 50.8 76.2#

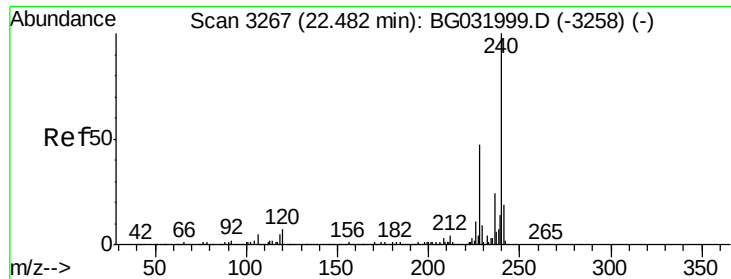


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampled :

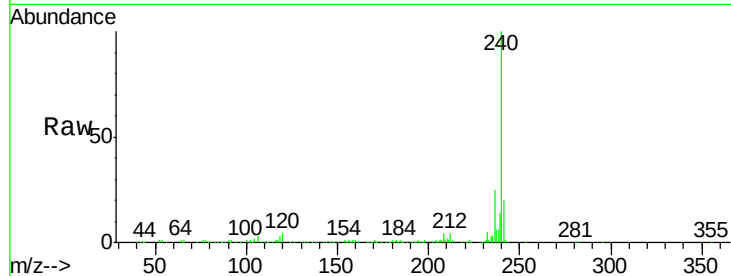
Tot Ion:240 Resp: 357225

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

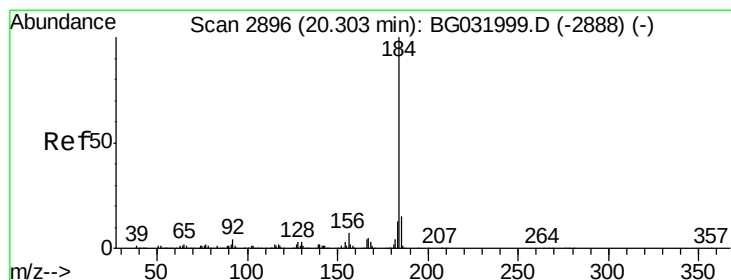
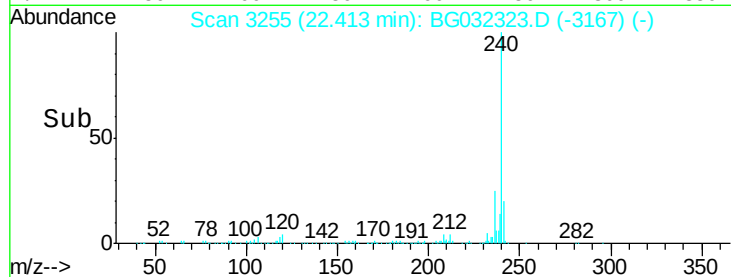
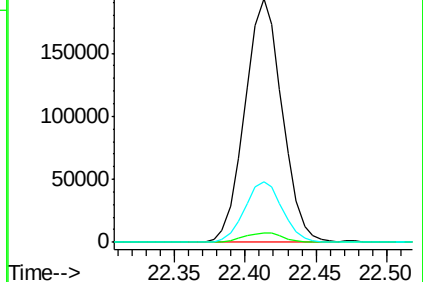
236 24.7 20.9 31.3



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: 2.481 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

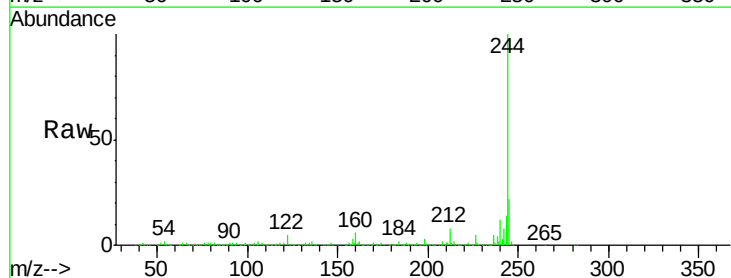
Tgt Ion:184 Resp: 22164

Ion Ratio Lower Upper

184 100

185 18.8 11.1 16.7#

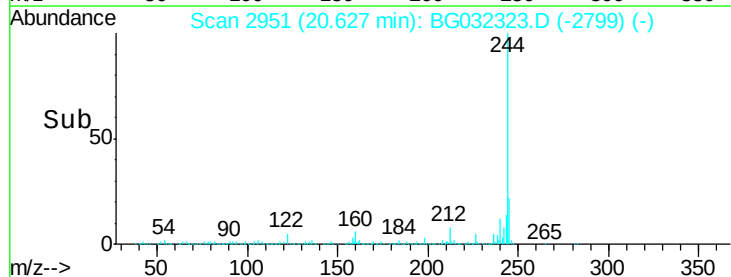
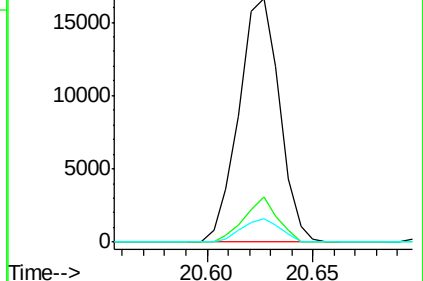
183 9.4 10.6 16.0#

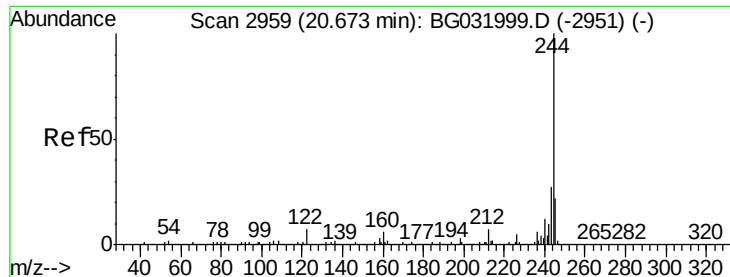


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.723 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

Instrument :

BNA_G

ClientSampled :

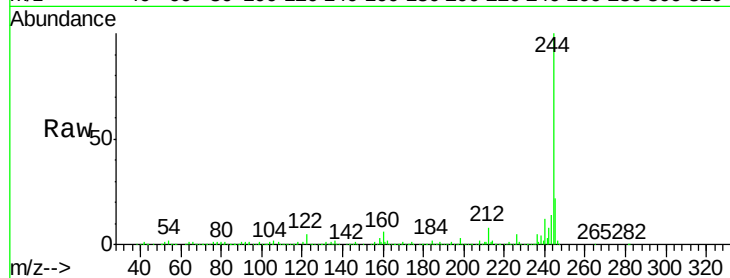
Tot Ion:244 Resp: 1516278

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

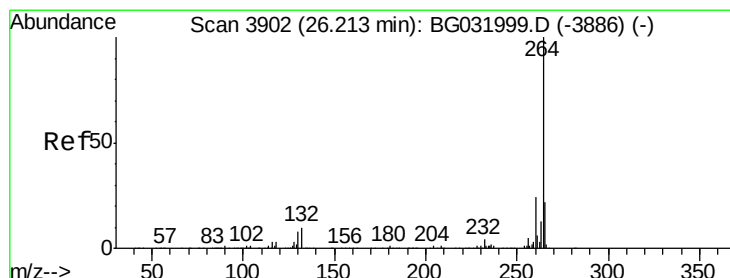
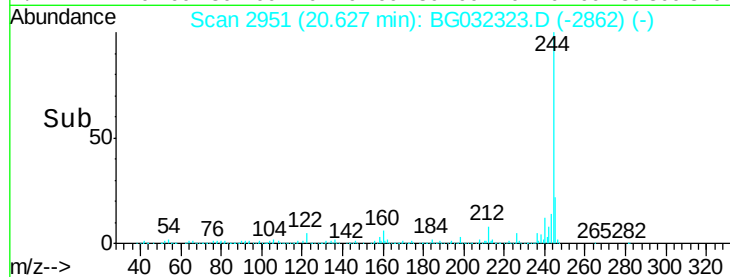
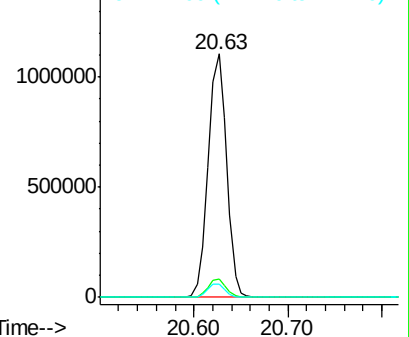
122 5.5 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032323.D

Acq: 26 Jan 2018 10:24

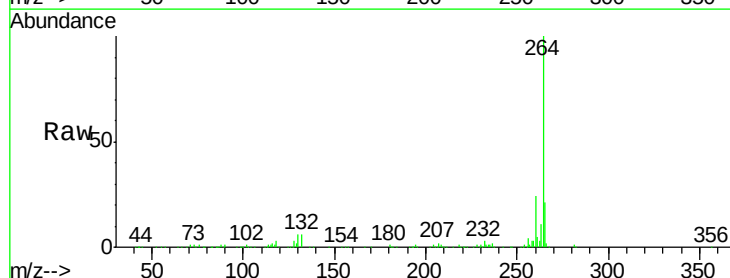
Tgt Ion:264 Resp: 378238

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

