

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032353.D
 Acq On : 27 Jan 2018 13:00
 Operator : SJ/JU
 Sample : J1009-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 23:18:04 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	36761	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	138922	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	92867	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	249074	20.00	ng	0.00
75) Chrysene-d12	22.42	240	331551	20.00	ng	0.00
86) Perylene-d12	26.10	264	346183	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	220669	109.79	ng	0.00
7) Phenol-d6	7.84	99	232339	91.78	ng	0.00
23) Nitrobenzene-d5	9.92	82	208738	101.65	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	234430	152.55	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	722523	96.47	ng	0.00
78) Terphenyl-d14	20.63	244	1501583	100.00	ng	0.00

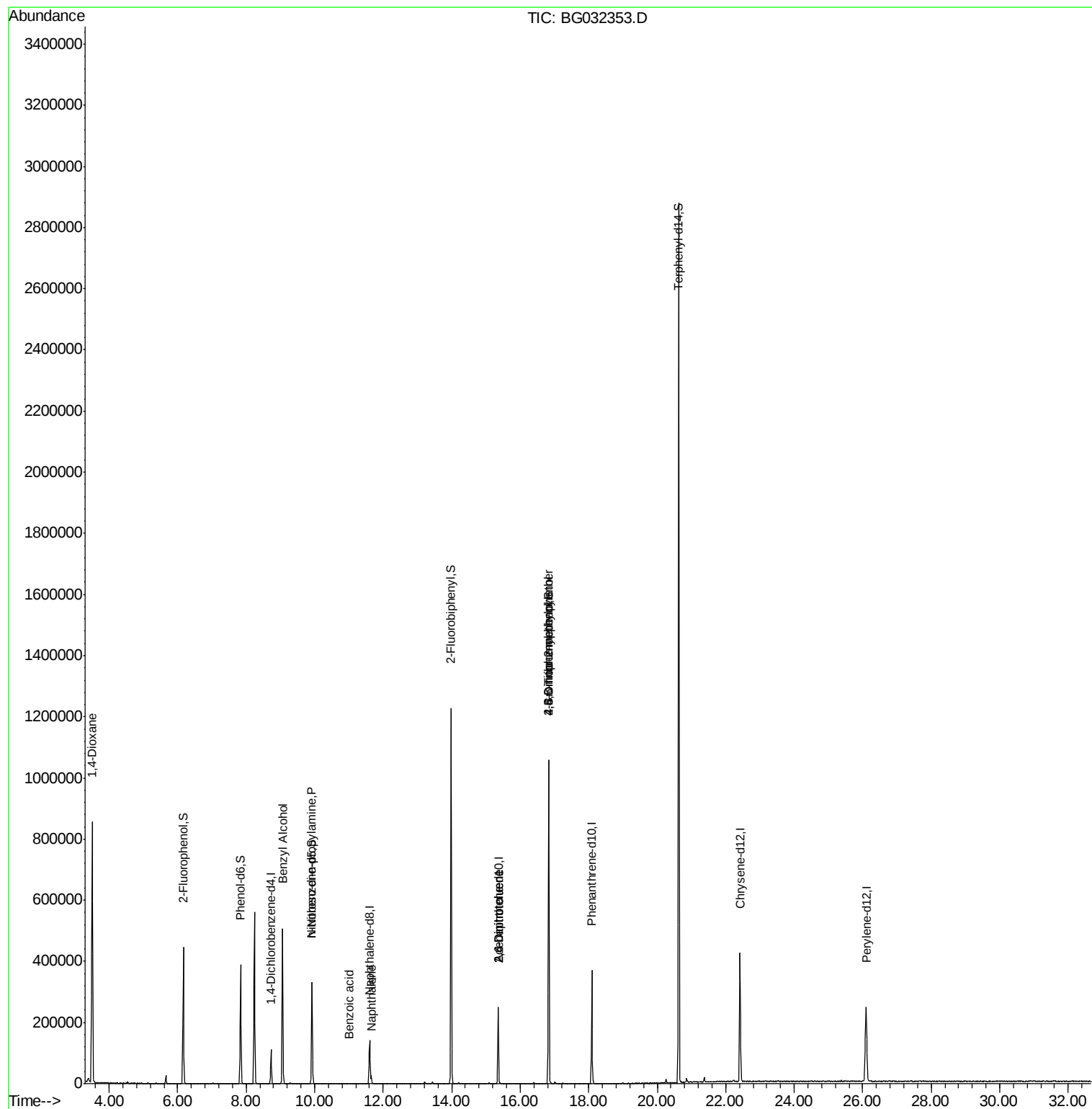
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	9858	12.766	ng	# 1
15) Benzyl Alcohol	9.06	79	3890	2.115	ng	# 37
19) n-Nitroso-di-n-propylamine	9.92	70	30036	19.123	ng	# 78
31) Naphthalene	11.65	128	25647	3.727	ng	# 87
32) Benzoic acid	11.00	122	54	5.287	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	12221	7.245	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	12221	5.381	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.83	198	639	5.244	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	20135	5.682	ng	# 1

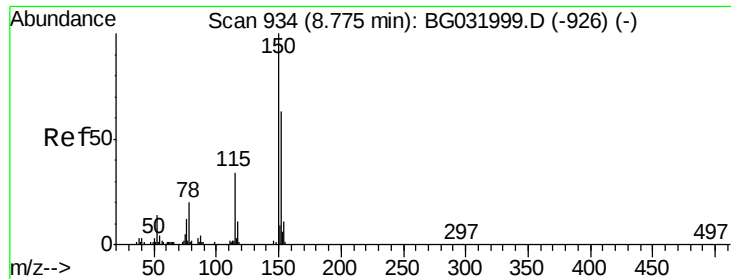
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Instrument :

BNA_G

ClientSampleId :

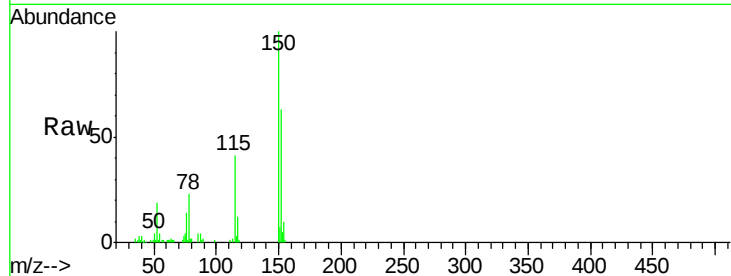
Tot Ion:152 Resp: 36761

Ion Ratio Lower Upper

152 100

150 159.5 126.6 189.8

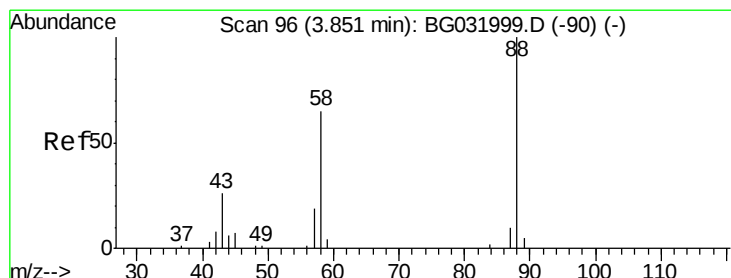
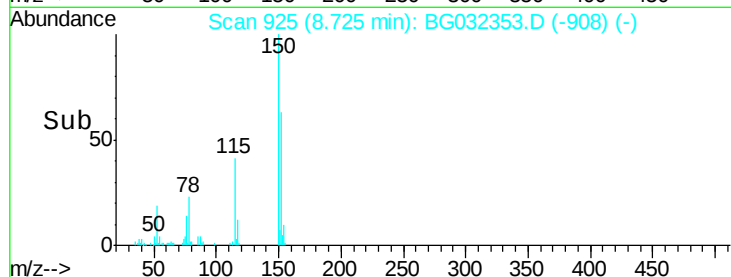
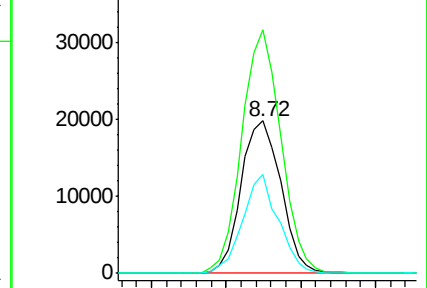
115 64.6 53.0 79.4



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



#2

1,4-Dioxane

Concen: 12.766 ng

RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

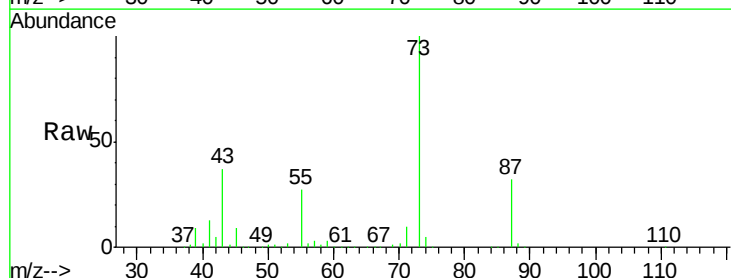
Tgt Ion: 88 Resp: 9858

Ion Ratio Lower Upper

88 100

58 35.6 79.6 119.4#

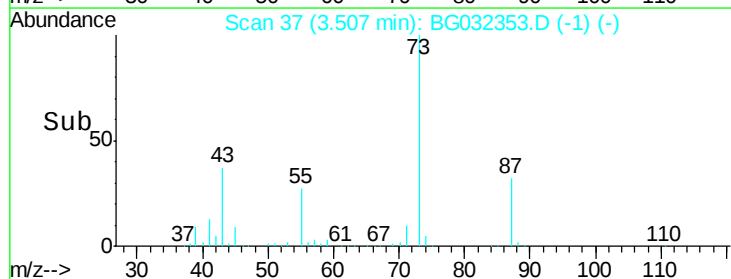
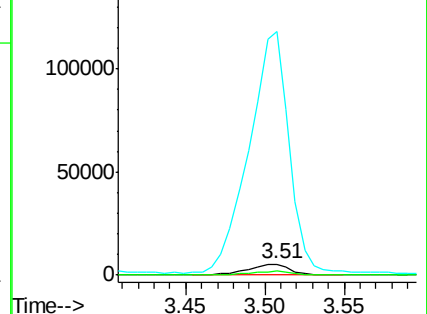
43 2106.3 27.4 41.0#

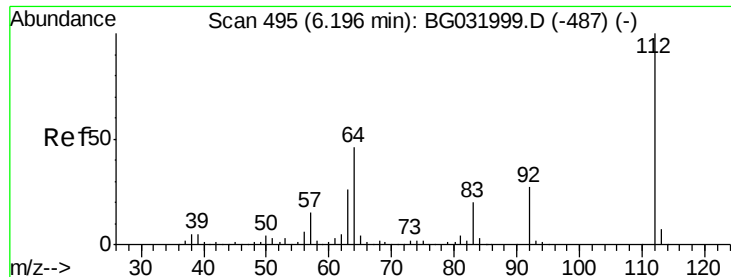


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 109.787 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Instrument :

BNA_G

ClientSampleId :

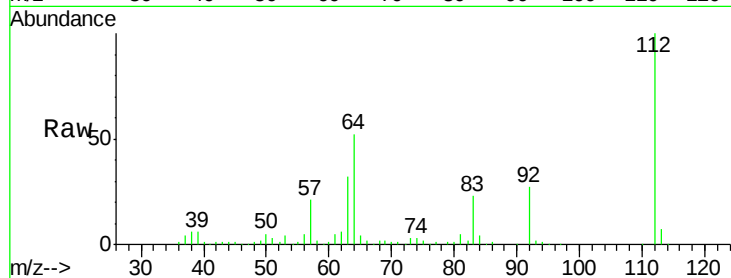
Tot Ion:112 Resp: 220669

Ion Ratio Lower Upper

112 100

64 51.7 56.3 84.5#

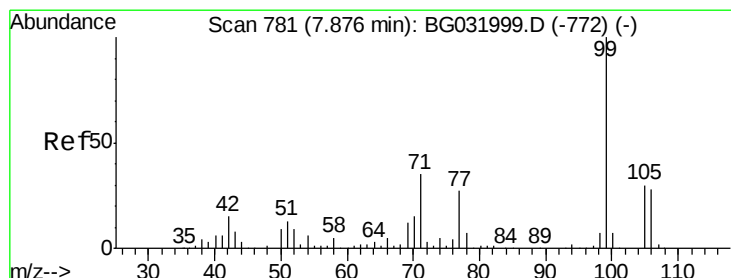
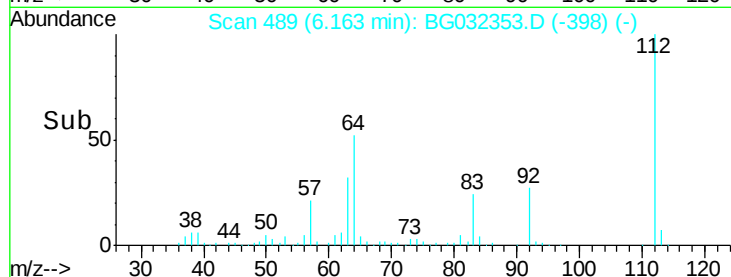
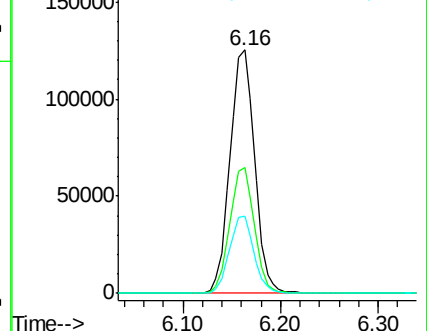
63 31.9 30.1 45.1



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: 91.782 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

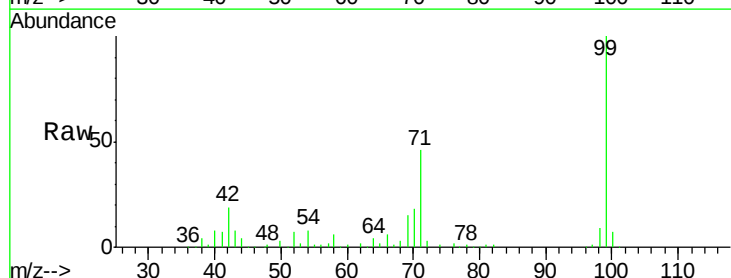
Tgt Ion: 99 Resp: 232339

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

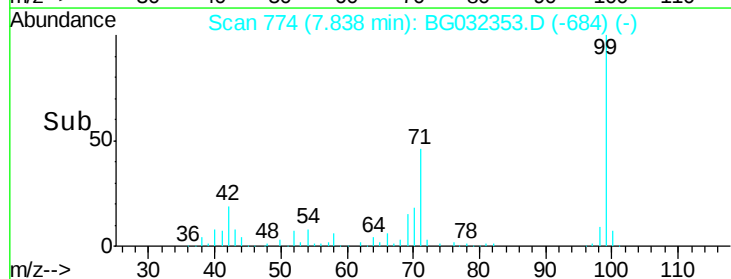
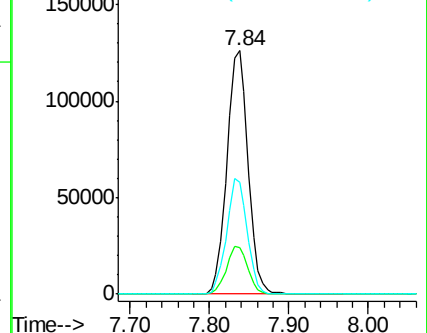
71 45.8 26.1 39.1#

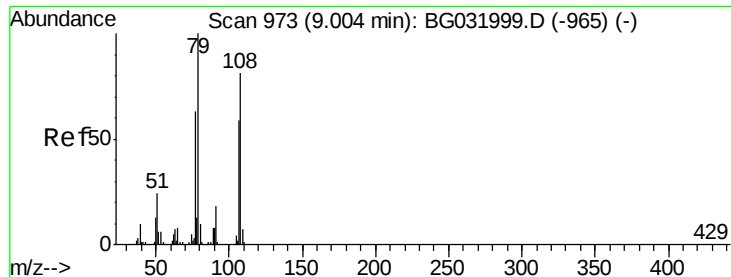


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.115 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Instrument :

BNA_G

ClientSampleId :

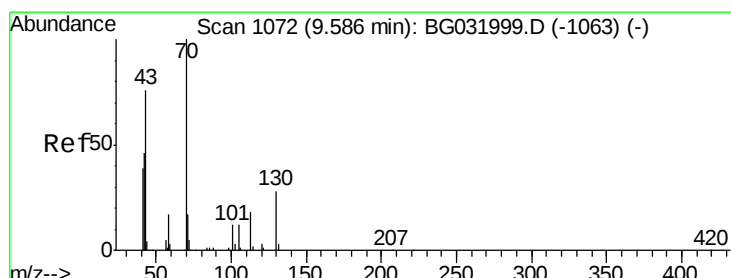
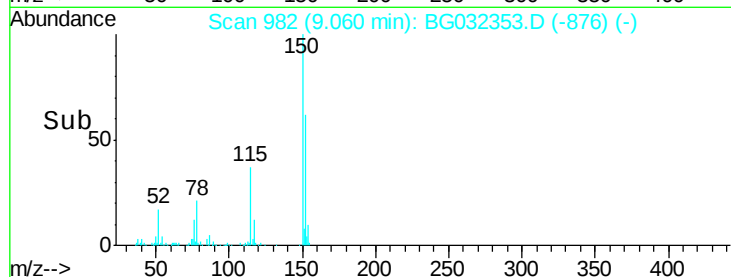
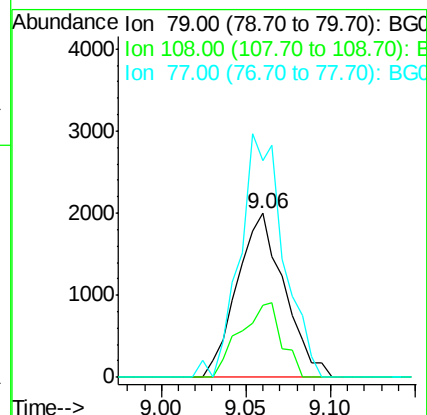
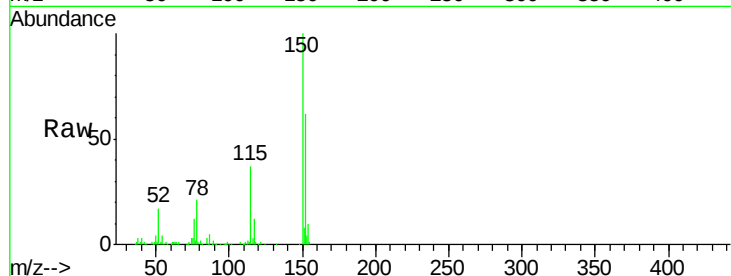
Tot Ion: 79 Resp: 3890

Ion Ratio Lower Upper

79 100

108 43.8 57.2 85.8#

77 132.0 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.123 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Tgt Ion: 70 Resp: 30036

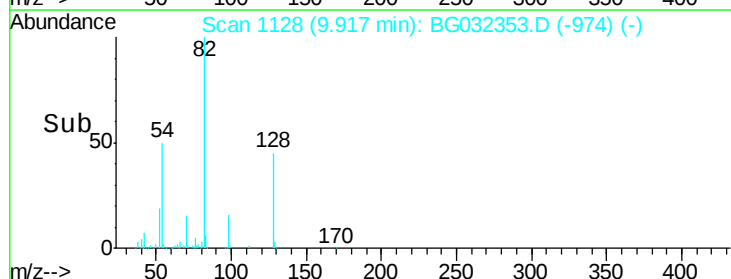
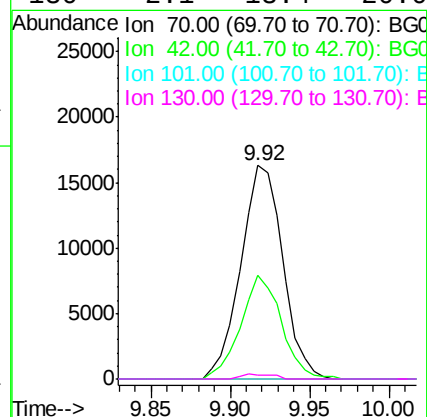
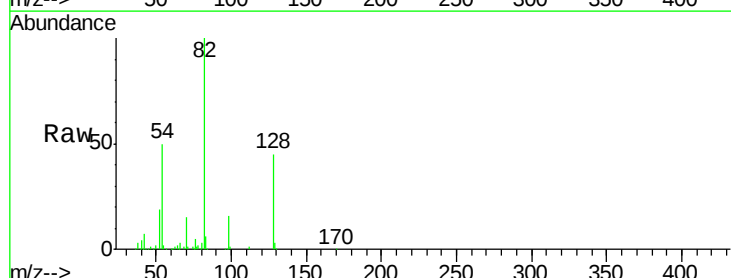
Ion Ratio Lower Upper

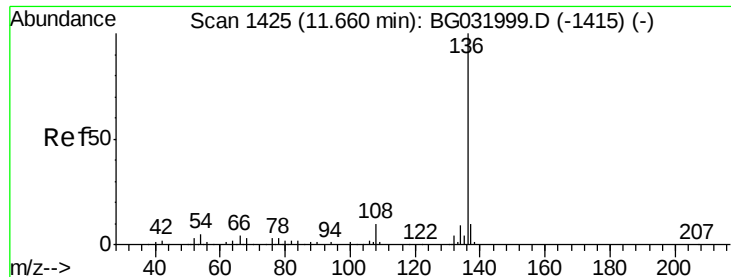
70 100

42 48.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

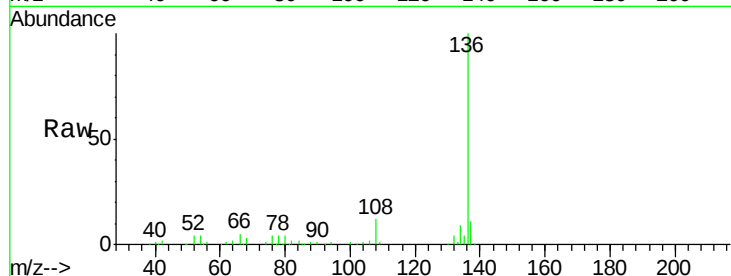




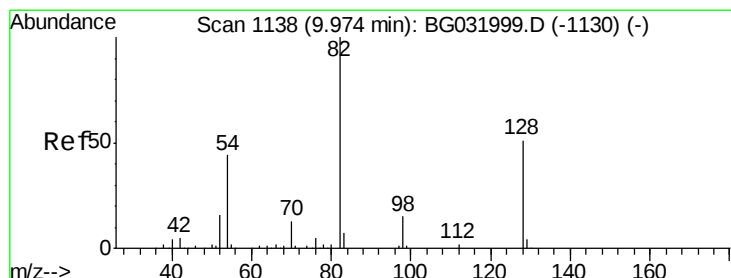
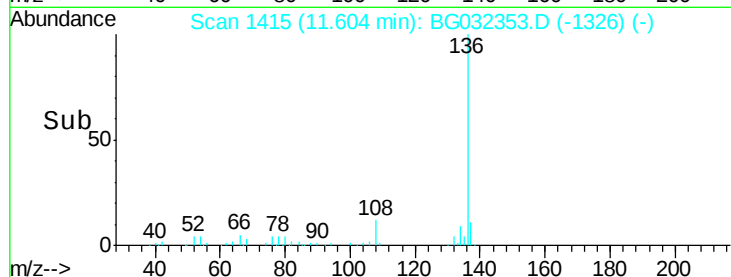
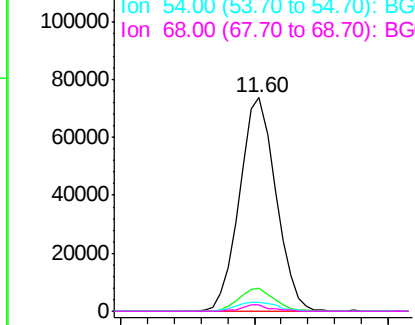
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	138922
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	4.2	10.3	15.5#
68	3.0	4.5	6.7#

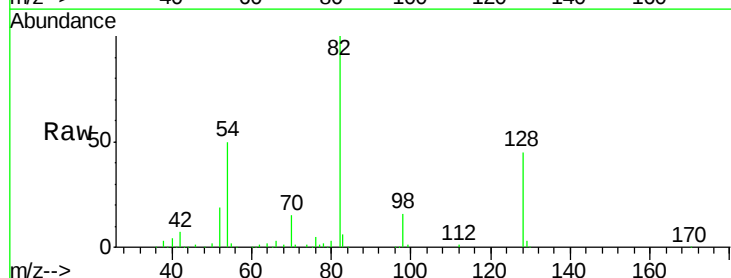


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

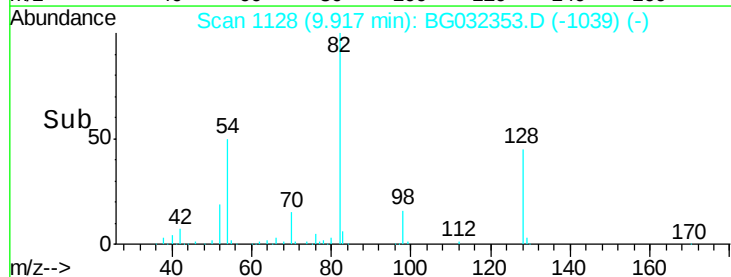
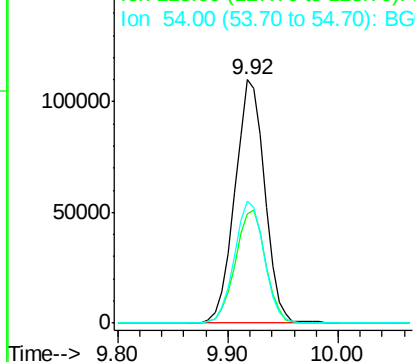


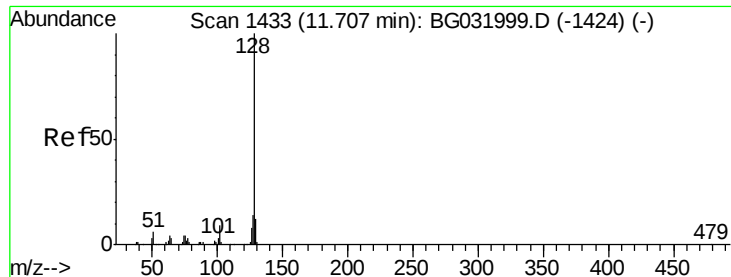
#23
Nitrobenzene-d5
Concen: 101.654 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

Tgt Ion:	82	Resp:	208738
Ion	Ratio	Lower	Upper
82	100		
128	45.0	29.7	44.5#
54	50.3	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

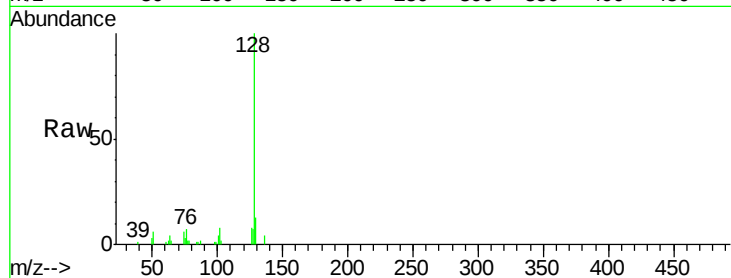




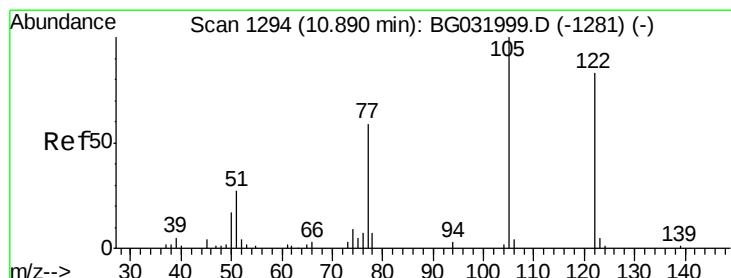
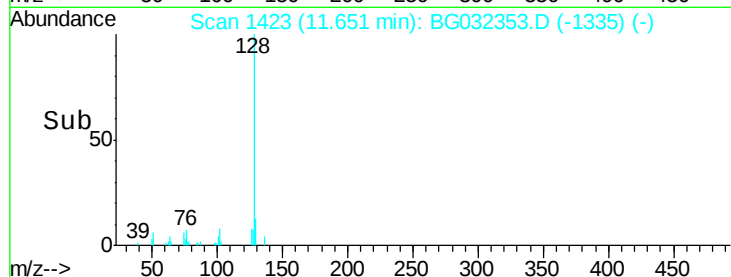
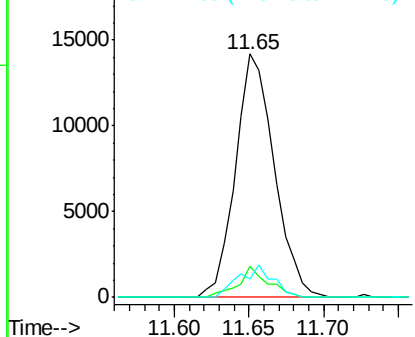
#31
Naphthalene
Concen: 3.727 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 25647
Ion Ratio Lower Upper
128 100
129 12.9 8.6 12.8#
127 7.3 11.6 17.4#

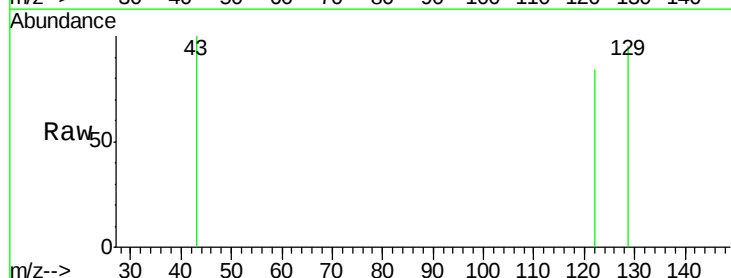


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

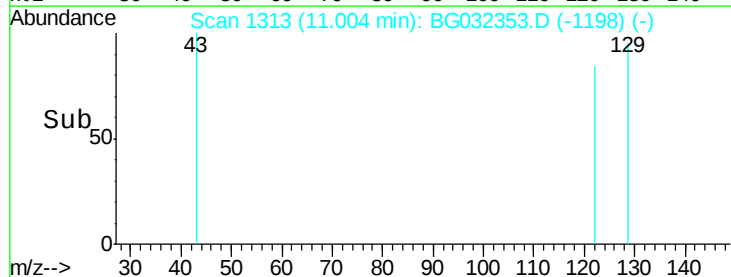
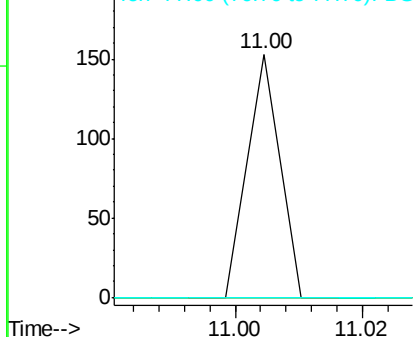


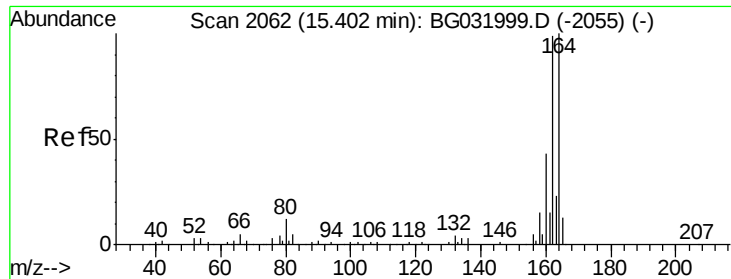
#32
Benzoic acid
Concen: 5.287 ng
RT: 11.00 min Scan# 1313
Delta R.T. 0.15 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

Tgt Ion:122 Resp: 54
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): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Instrument :

BNA_G

ClientSampleId :

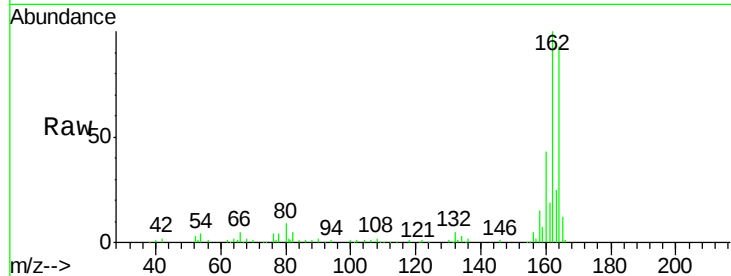
Tot Ion:164 Resp: 92867

Ion Ratio Lower Upper

164 100

162 107.3 78.8 118.2

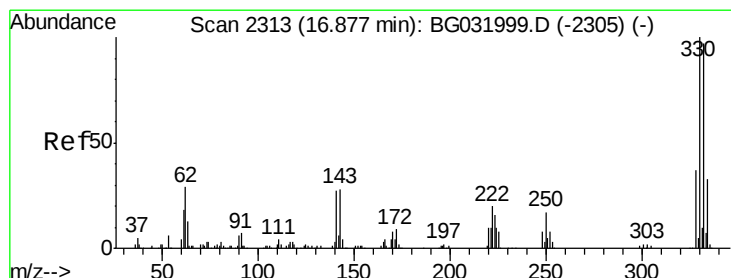
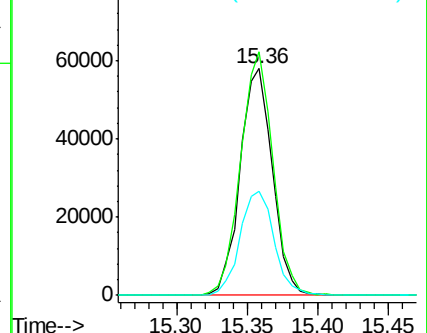
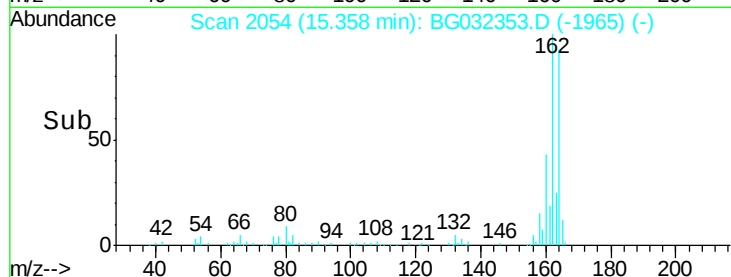
160 46.1 35.4 53.0



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: 152.551 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

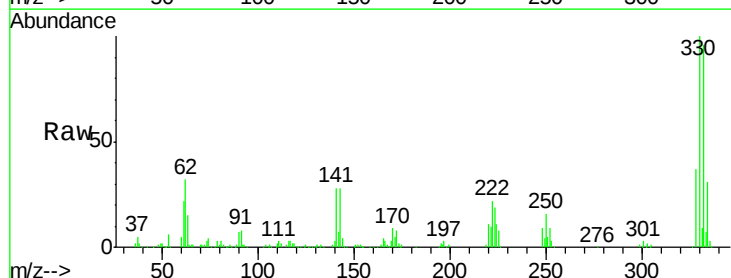
Tgt Ion:330 Resp: 234430

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

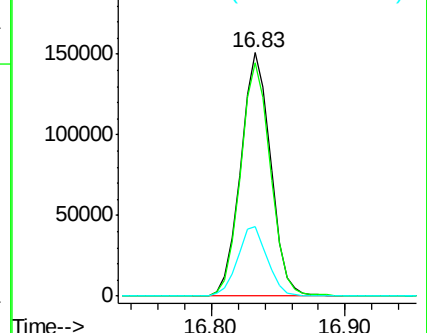
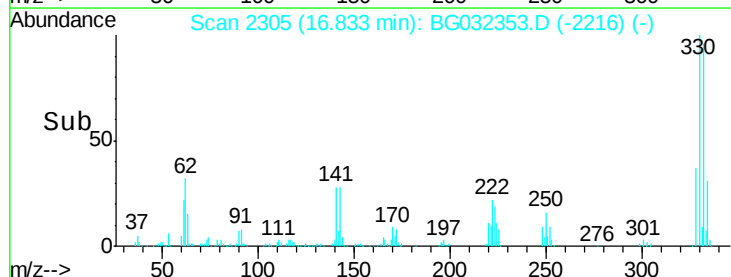
141 28.5 25.2 37.8

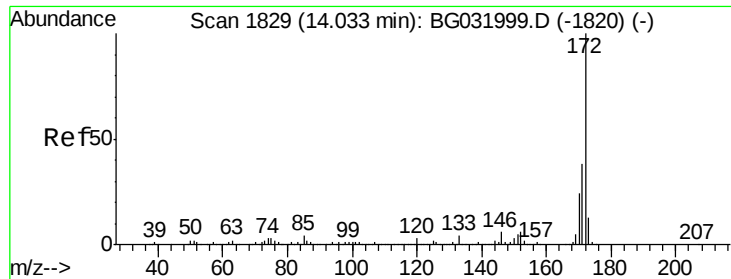


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

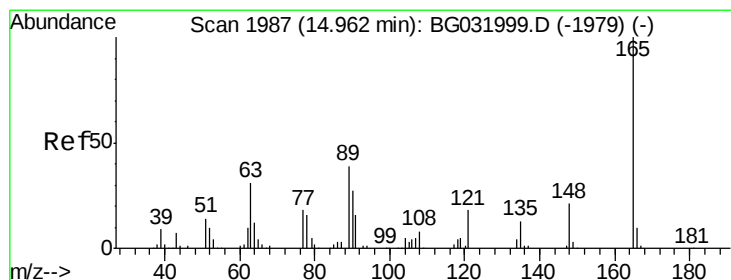
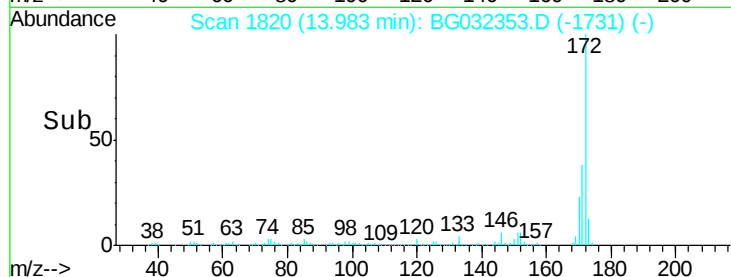
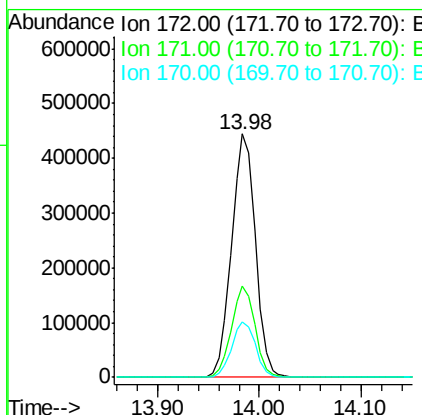
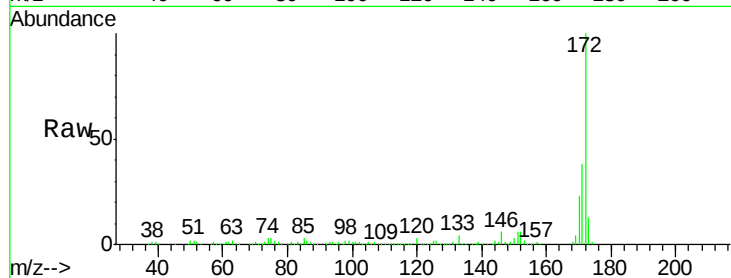




#44
2-Fluorobiphenyl
Concen: 96.471 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

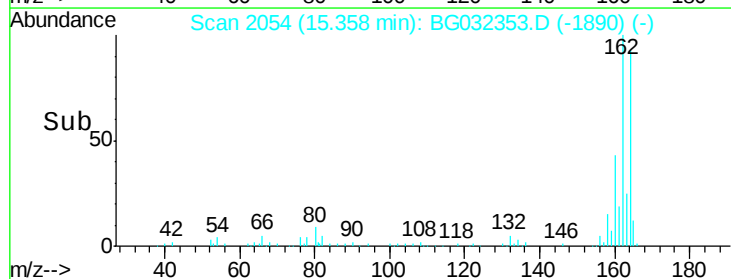
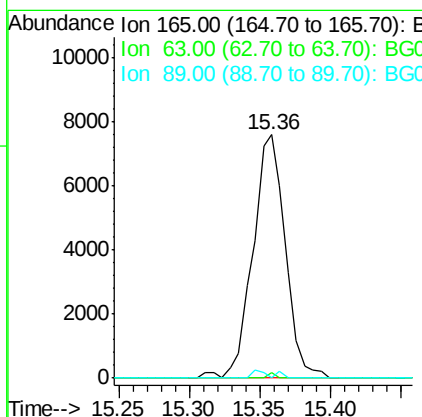
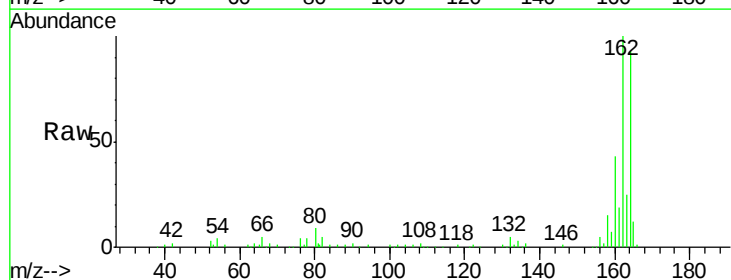
Instrument :
BNA_G
ClientSampled :

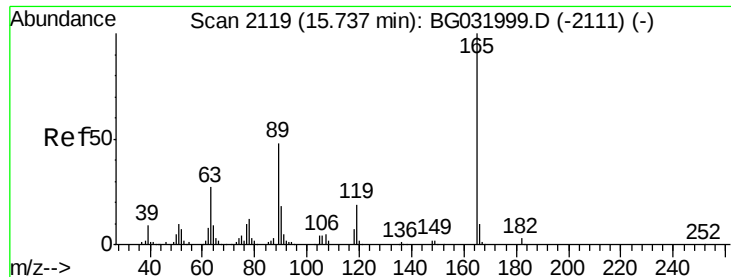
Tot Ion:172 Resp: 722523
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 22.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.245 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.44 min
Lab File: BG032353.D
Acq: 27 Jan 2018 13:00

Tgt Ion:165 Resp: 12221
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 0.0 49.2 73.8#

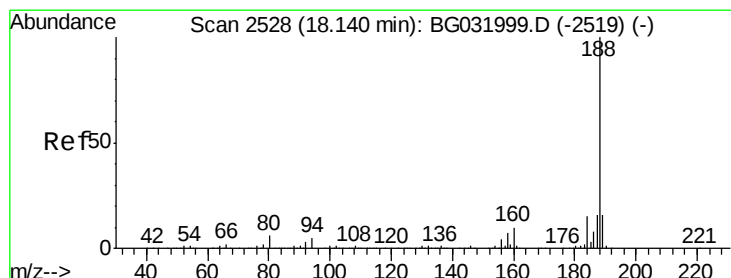
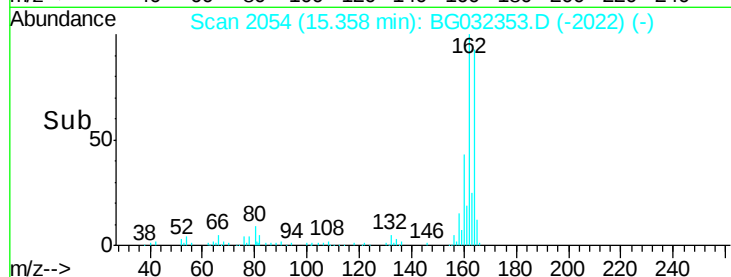
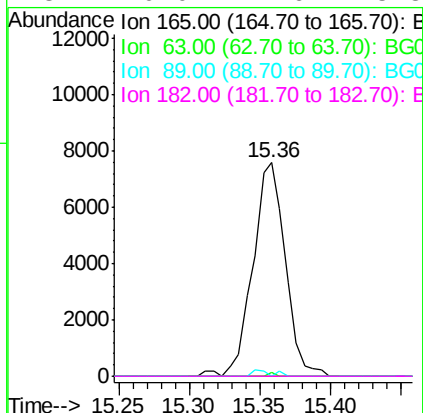
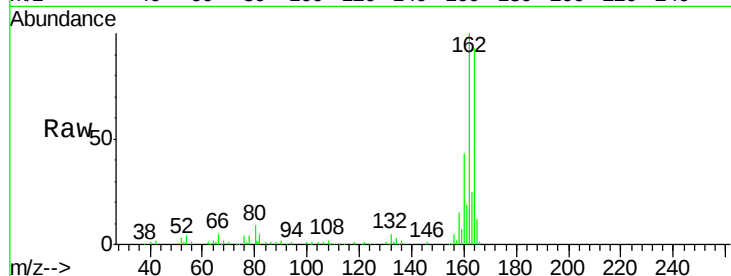




#56
 2,4-Dinitrotoluene
 Concen: 5.381 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032353.D
 Acq: 27 Jan 2018 13:00

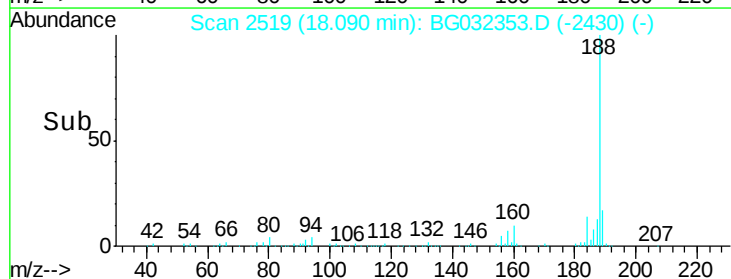
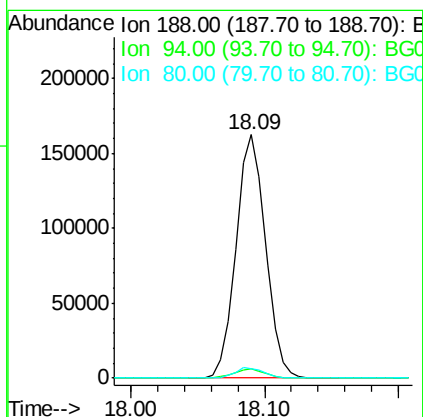
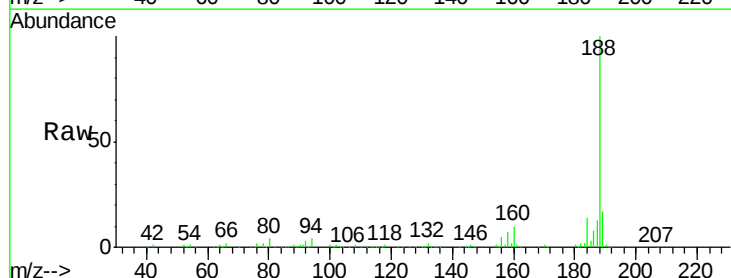
Instrument :
 BNA_G
 ClientSampleId :

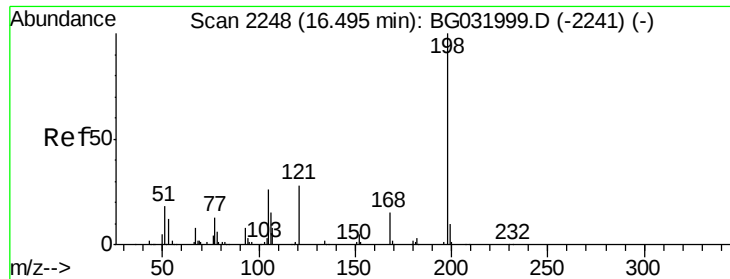
Tot Ion:165	Resp:	12221
Ion Ratio	Lower	Upper
165	100	
63	2.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032353.D
 Acq: 27 Jan 2018 13:00

Tgt Ion:188	Resp:	249074
Ion Ratio	Lower	Upper
188	100	
94	4.1	6.9 10.3#
80	3.8	7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.244 ng

RT: 16.83 min Scan# 2304

Delta R.T. 0.37 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

Instrument :

BNA_G

ClientSampled :

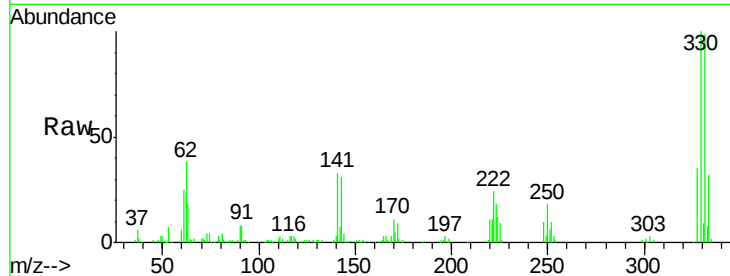
Tot Ion:198 Resp: 639

Ion Ratio Lower Upper

198 100

51 154.3 30.6 70.6#

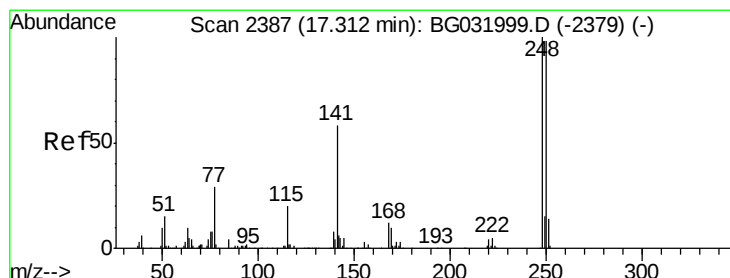
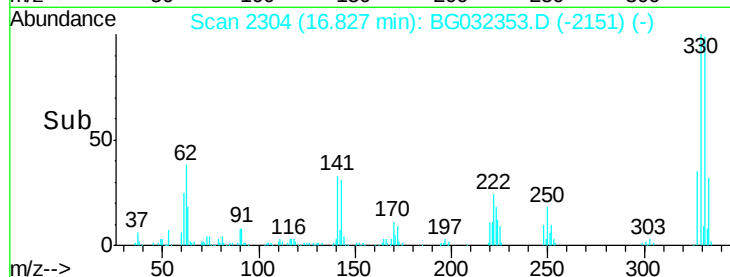
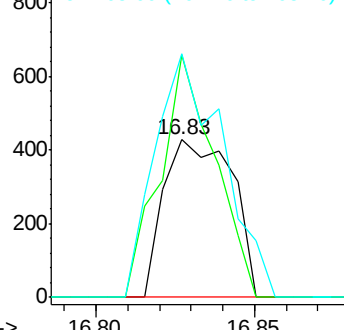
105 154.8 23.8 63.8#



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: 5.682 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.43 min

Lab File: BG032353.D

Acq: 27 Jan 2018 13:00

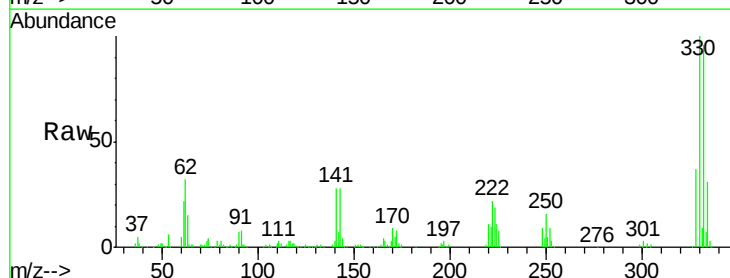
Tgt Ion:248 Resp: 20135

Ion Ratio Lower Upper

248 100

250 190.8 77.1 115.7#

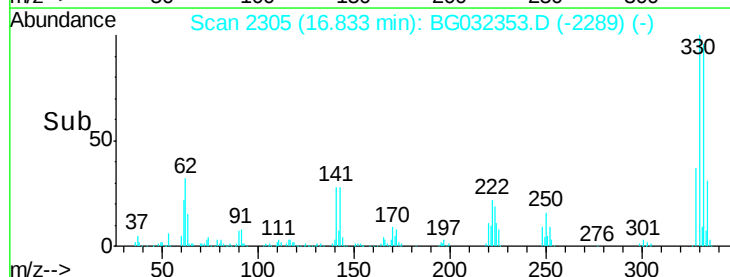
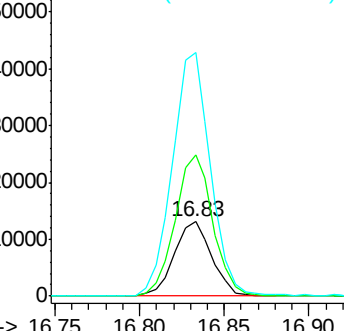
141 328.2 50.8 76.2#

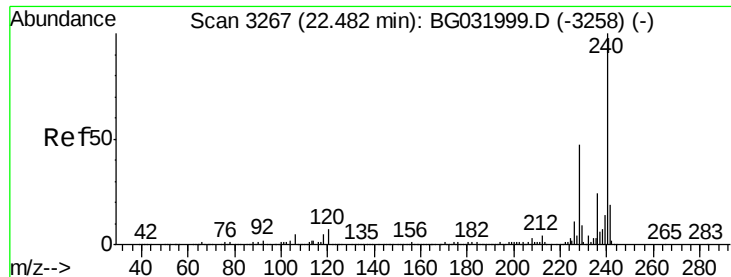


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

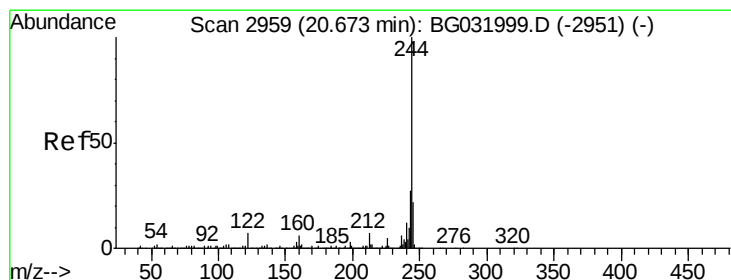
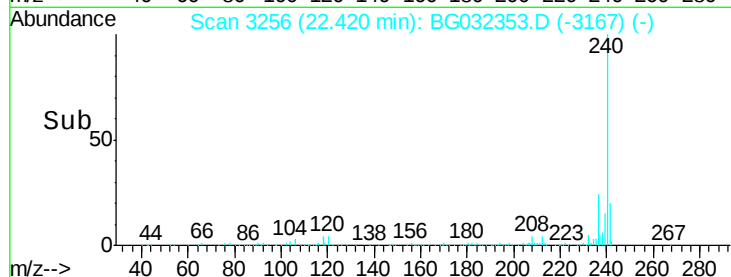
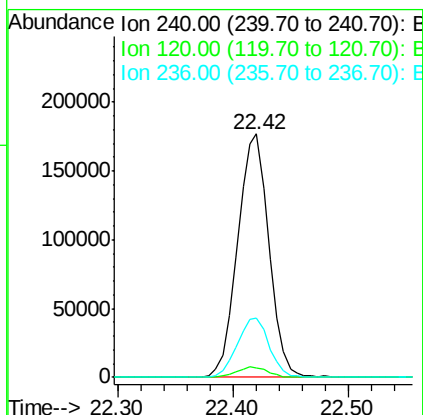
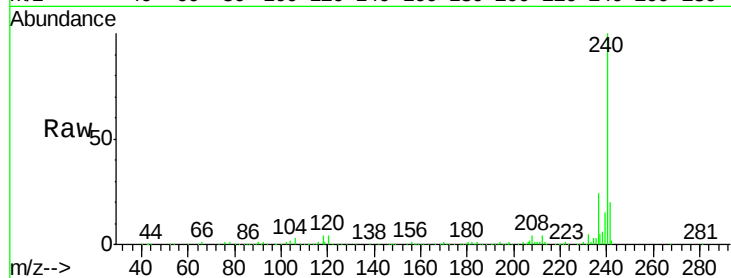




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: BG032353.D
 Acq: 27 Jan 2018 13:00

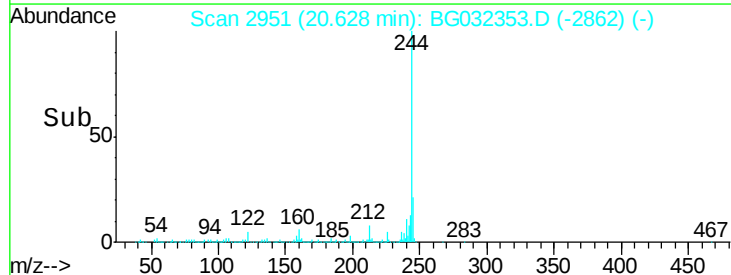
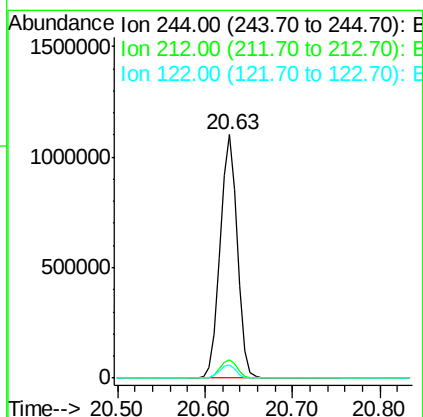
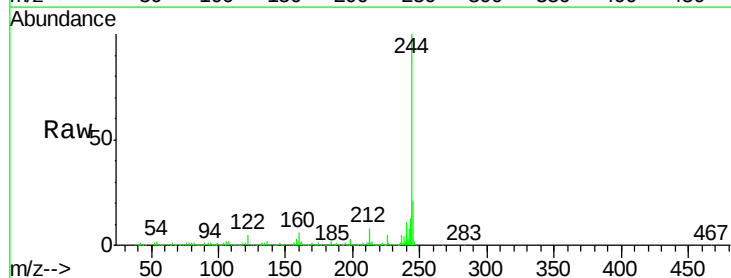
Instrument :
 BNA_G
 ClientSampleId :

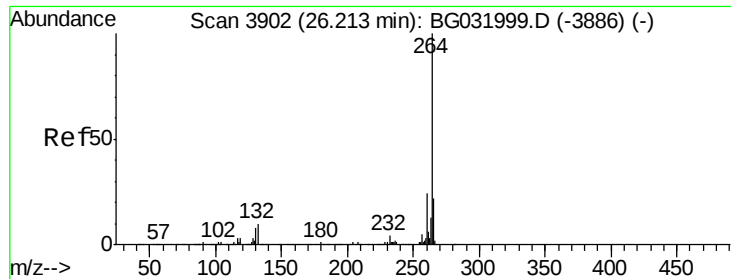
Tot Ion:240 Resp: 331551
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 24.5 20.9 31.3



#78
 Terphenyl-d14
 Concen: 100.002 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: BG032353.D
 Acq: 27 Jan 2018 13:00

Tgt Ion:244 Resp: 1501583
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 5.5 7.0 10.4#

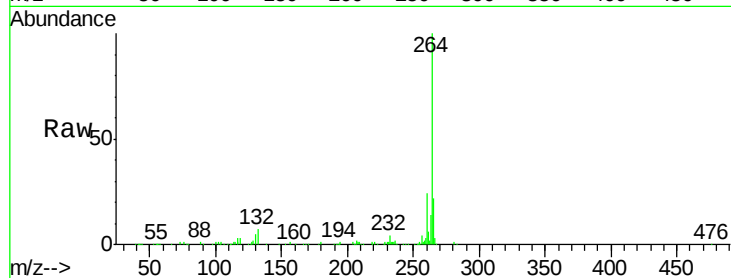




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: BG032353.D
 Acq: 27 Jan 2018 13:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.9	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

