

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032381.D
 Acq On : 28 Jan 2018 7:29
 Operator : SJ/JU
 Sample : J1325-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:08:16 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	35803	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	130759	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	83225	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	227101	20.00	ng	0.00
75) Chrysene-d12	22.42	240	330033	20.00	ng	0.00
86) Perylene-d12	26.10	264	332610	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	220848	112.82	ng	0.00
7) Phenol-d6	7.84	99	225533	91.48	ng	0.00
23) Nitrobenzene-d5	9.92	82	199119	103.02	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	232624	168.91	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	686178	102.23	ng	0.00
78) Terphenyl-d14	20.63	244	1504567	100.66	ng	0.00

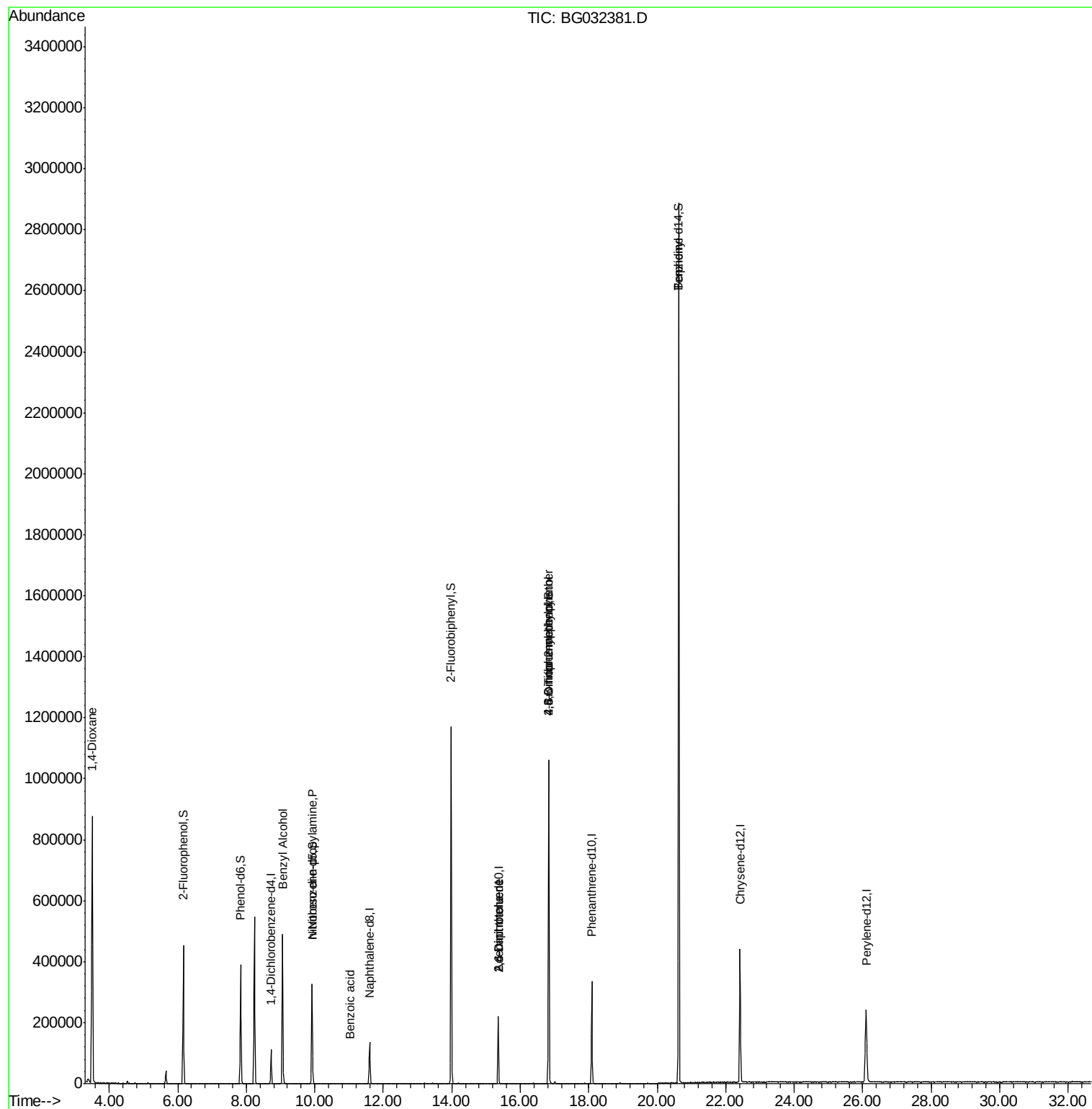
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	10787	14.343	ng	# 1
15) Benzyl Alcohol	9.06	79	4051	2.262	ng	# 27
19) n-Nitroso-di-n-propylamine	9.92	70	29079	19.009	ng	# 74
32) Benzoic acid	11.04	122	65	5.296	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	11376	7.525	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	11376	5.590	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.83	198	719	5.329	ng	# 77
66) 4-Bromophenyl-phenylether	16.83	248	19821	6.134	ng	# 1
76) Benzidine	20.63	184	21203	2.569	ng	# 91

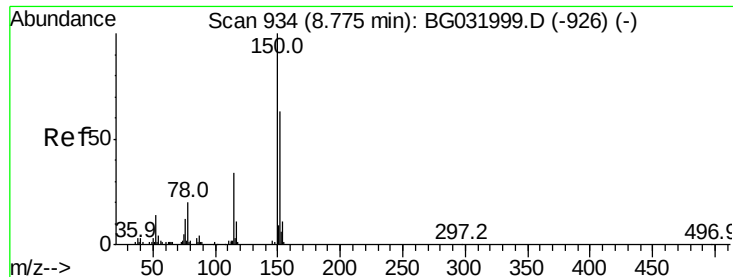
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampleId :

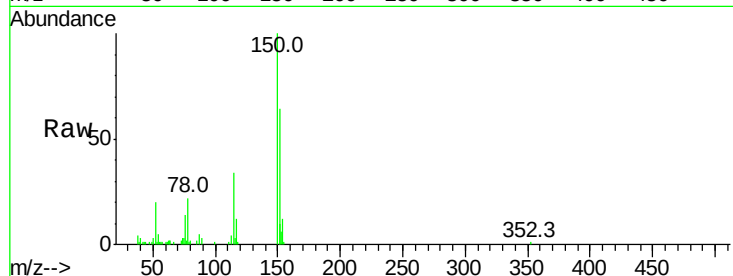
Tot Ion:152 Resp: 35803

Ion Ratio Lower Upper

152 100

150 155.2 126.6 189.8

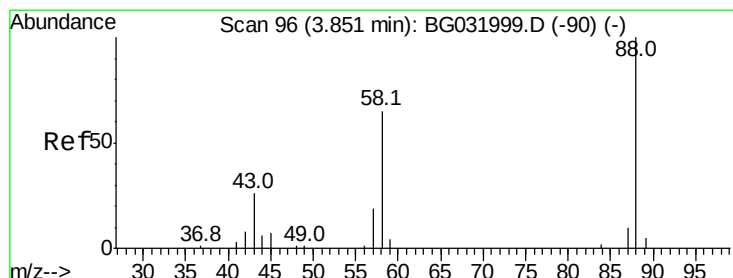
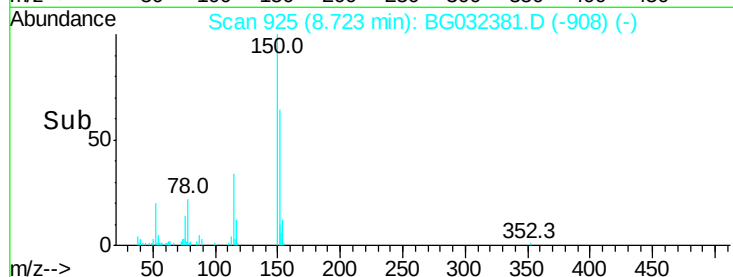
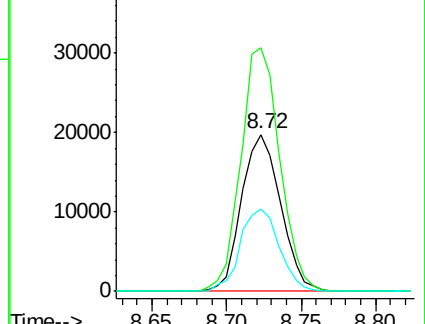
115 52.2 53.0 79.4#



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: 14.343 ng

RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

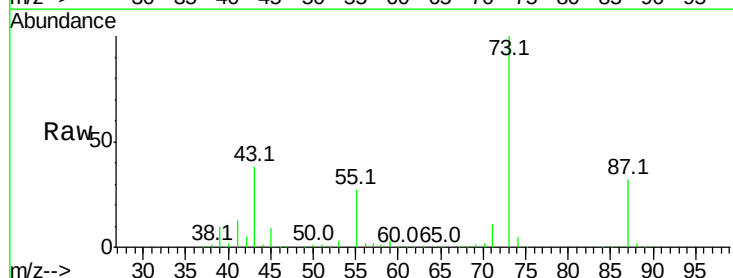
Tgt Ion: 88 Resp: 10787

Ion Ratio Lower Upper

88 100

58 35.5 79.6 119.4#

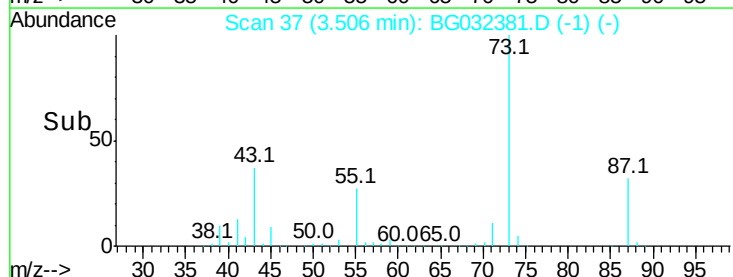
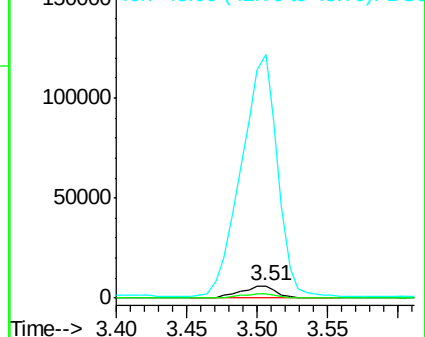
43 2011.3 27.4 41.0#

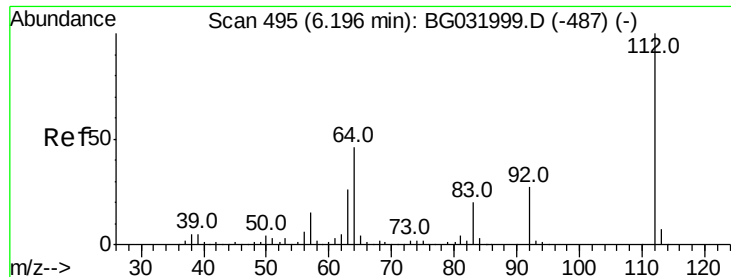


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 112.816 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampleId :

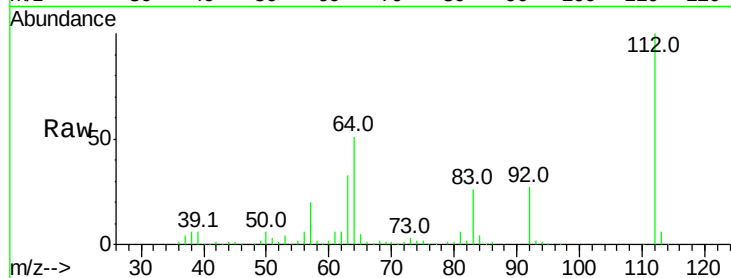
Tot Ion:112 Resp: 220848

Ion Ratio Lower Upper

112 100

64 50.6 56.3 84.5#

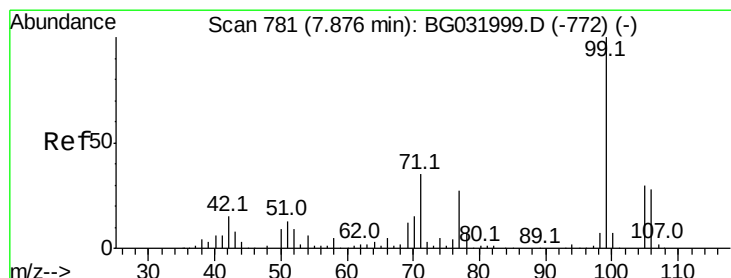
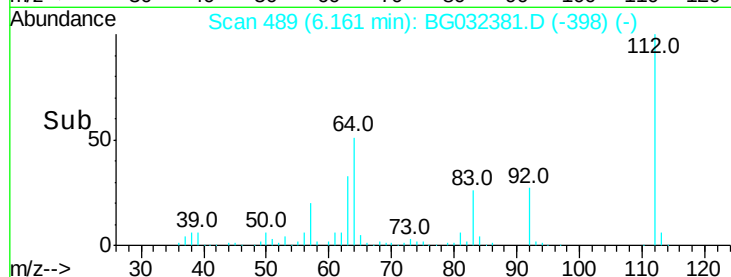
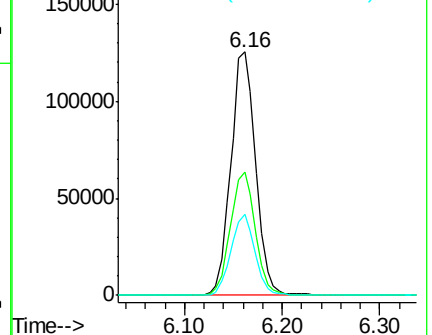
63 33.4 30.1 45.1



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: 91.477 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

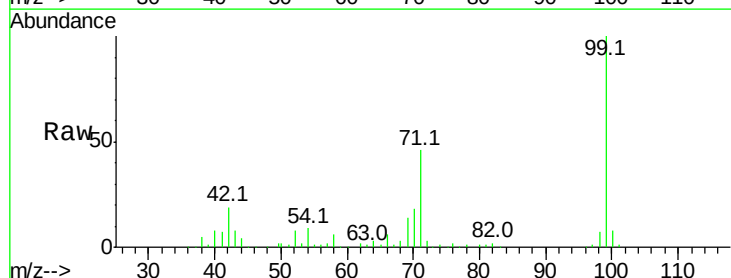
Tgt Ion: 99 Resp: 225533

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

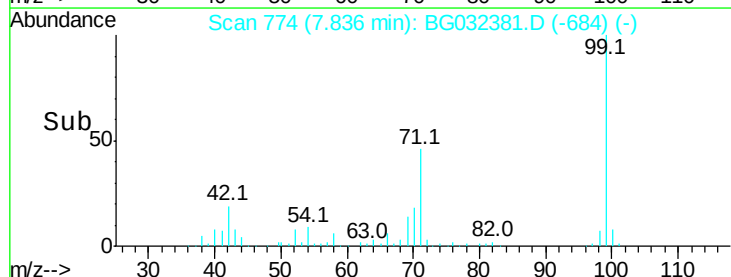
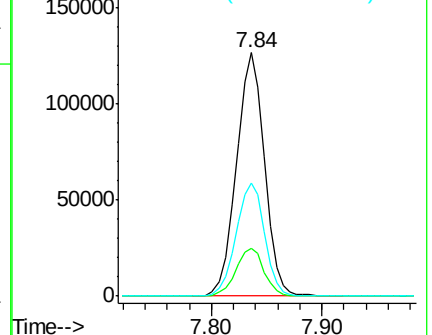
71 46.4 26.1 39.1#

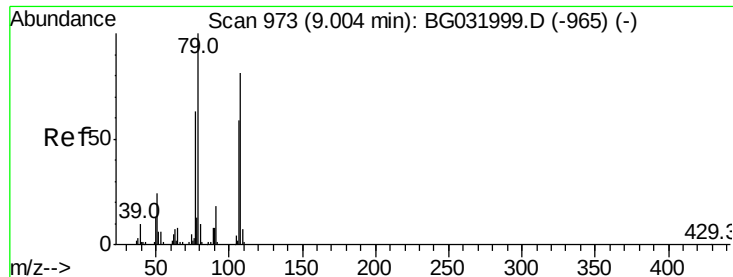


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.262 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampleId :

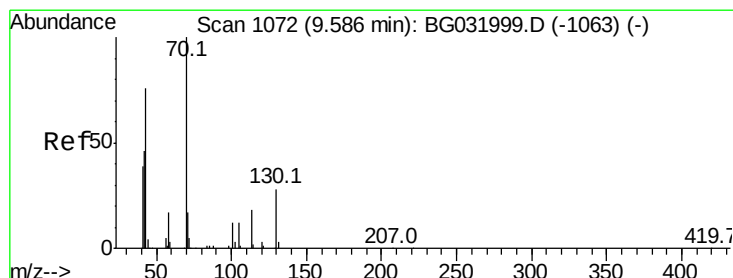
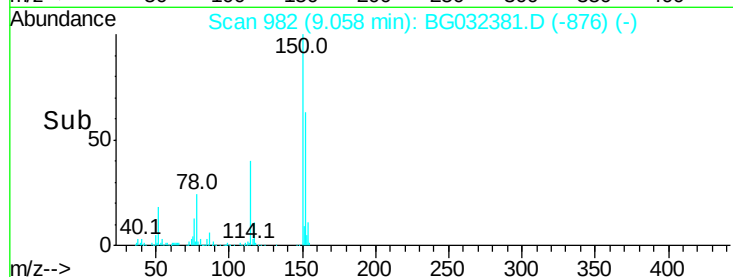
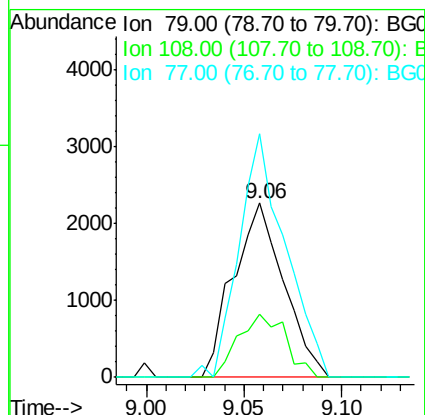
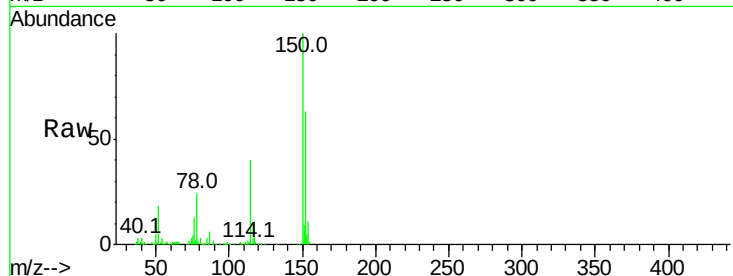
Tot Ion: 79 Resp: 4051

Ion Ratio Lower Upper

79 100

108 36.2 57.2 85.8#

77 139.7 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.009 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Tgt Ion: 70 Resp: 29079

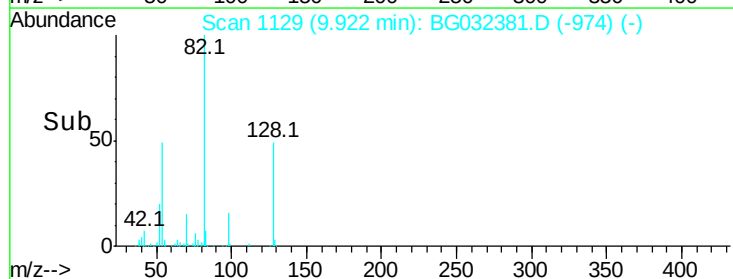
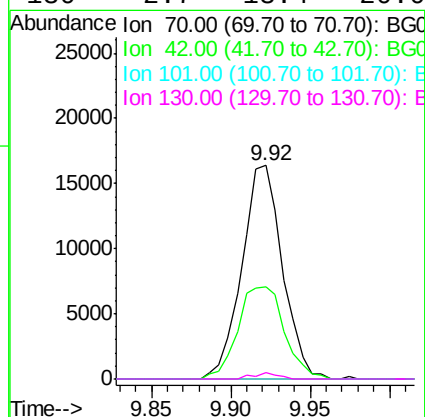
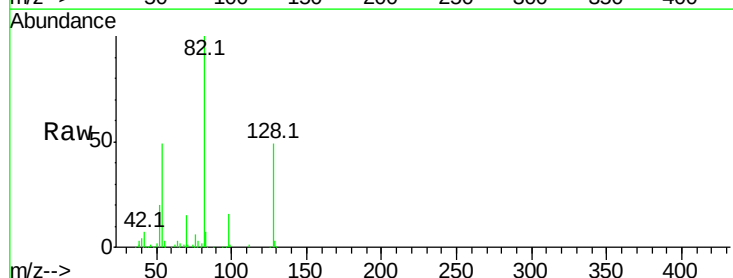
Ion Ratio Lower Upper

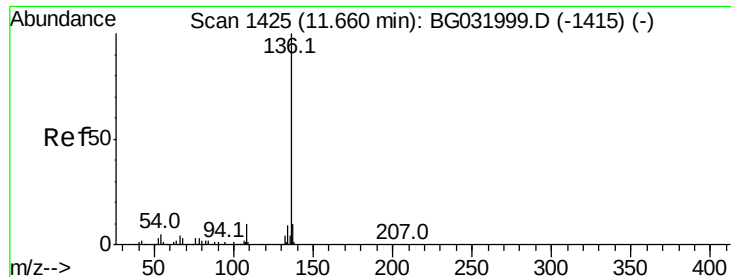
70 100

42 43.0 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: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 130759

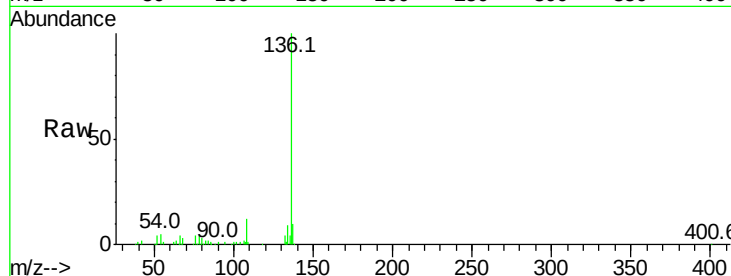
Ion Ratio Lower Upper

136 100

137 9.8 9.2 13.8

54 5.1 10.3 15.5#

68 2.7 4.5 6.7#

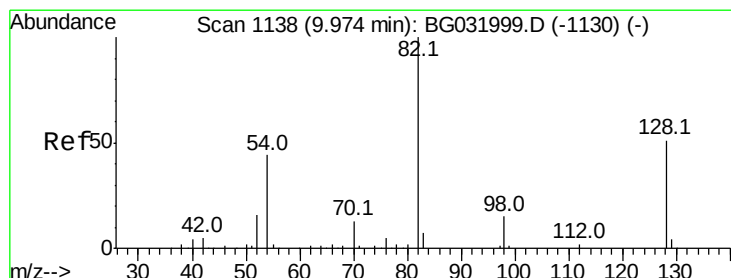
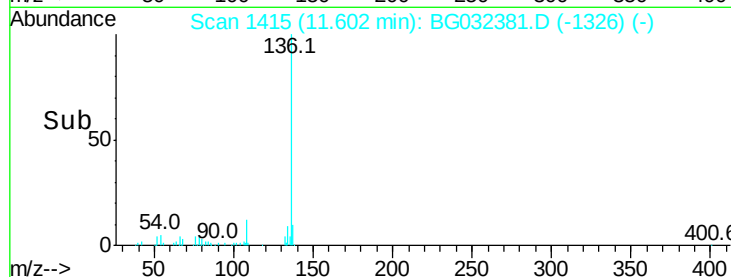
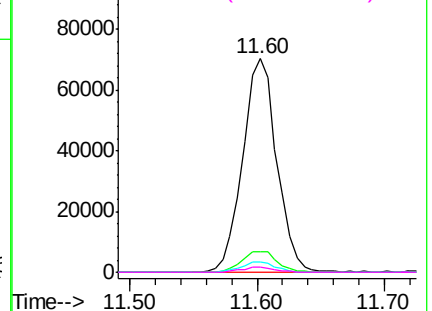


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.024 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

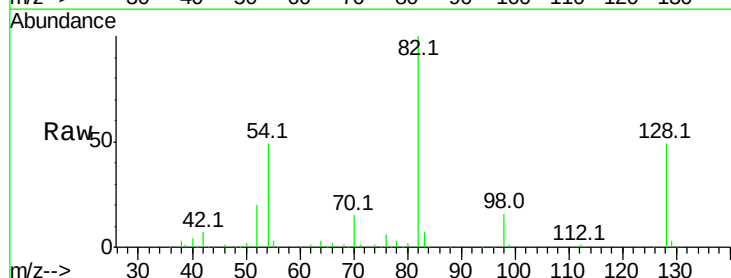
Tgt Ion: 82 Resp: 199119

Ion Ratio Lower Upper

82 100

128 48.5 29.7 44.5#

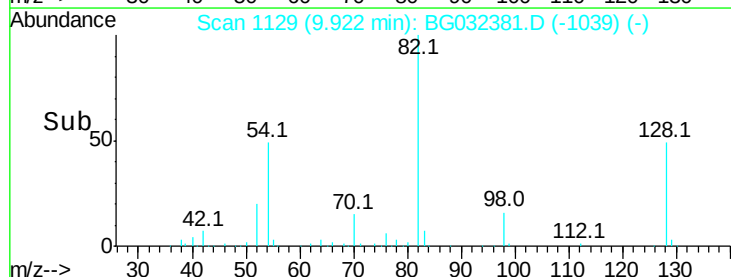
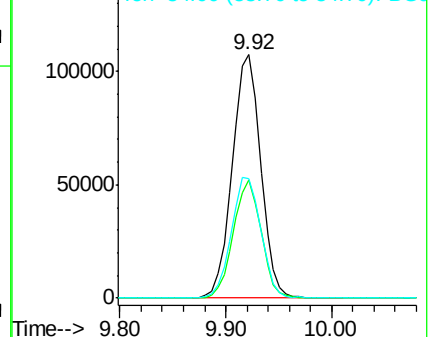
54 49.0 43.1 64.7

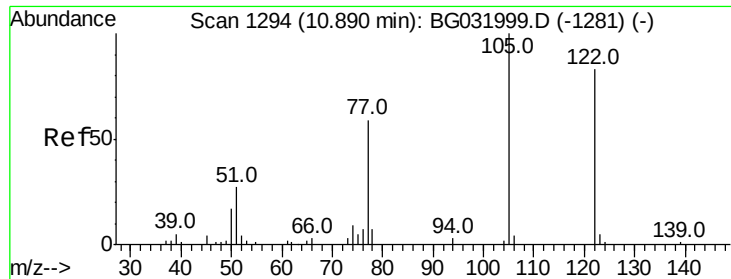


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.296 ng

RT: 11.04 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampleId :

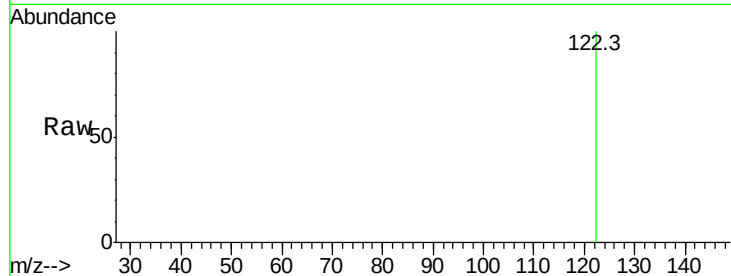
Tot Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

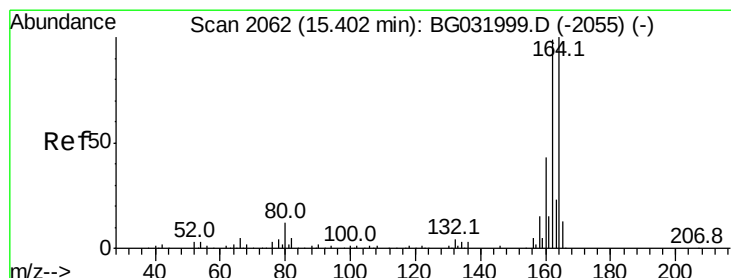
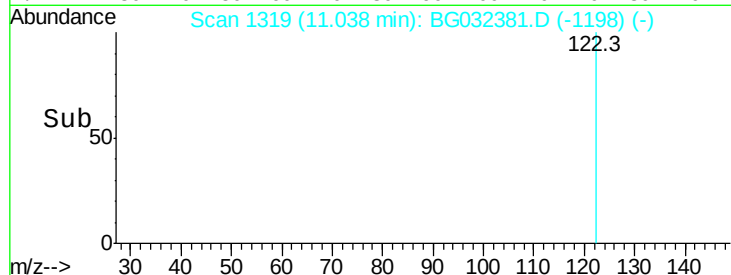
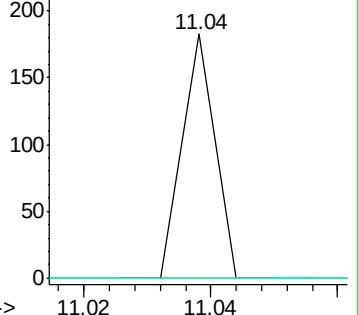
77 0.0 85.7 125.7#



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: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

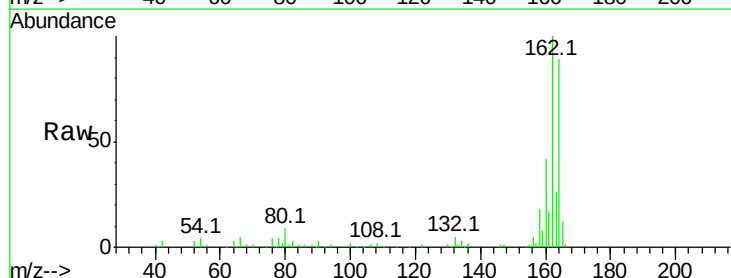
Tgt Ion:164 Resp: 83225

Ion Ratio Lower Upper

164 100

162 112.2 78.8 118.2

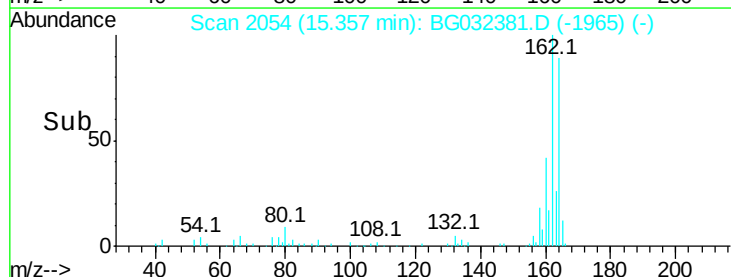
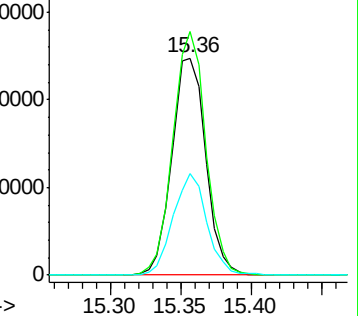
160 47.0 35.4 53.0

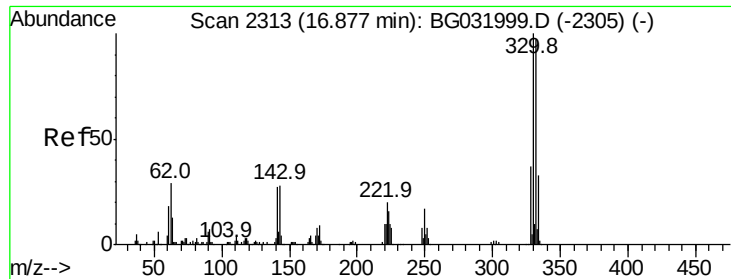


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

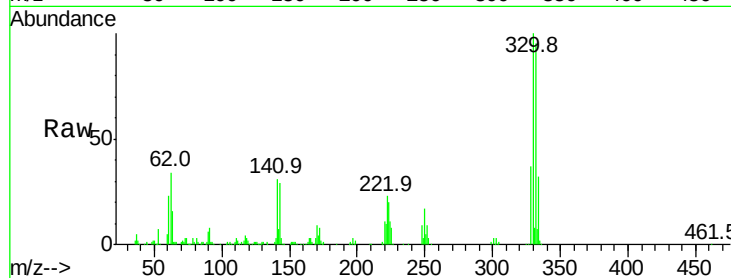




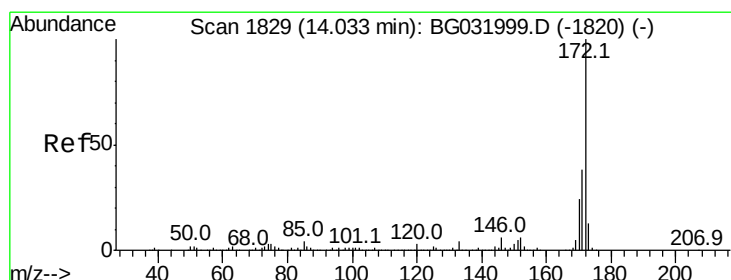
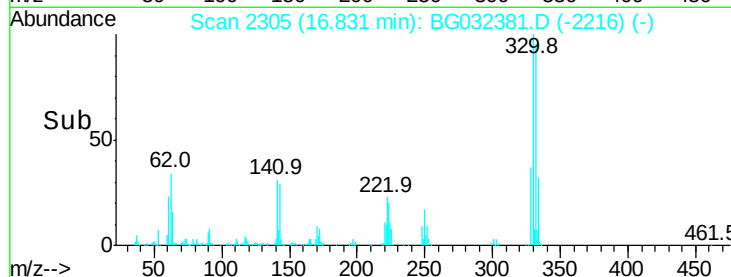
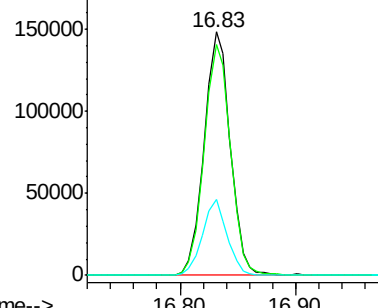
#41
 2,4,6-Tribromophenol
 Concen: 168.913 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	29.3	25.2	37.8

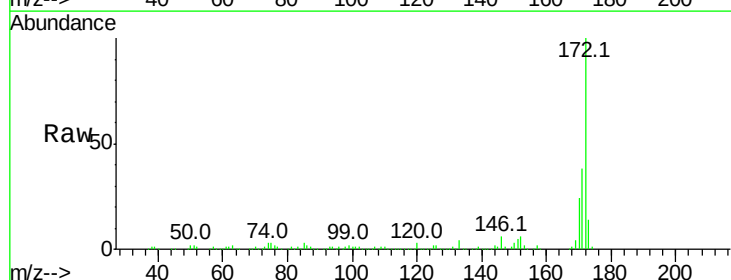


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

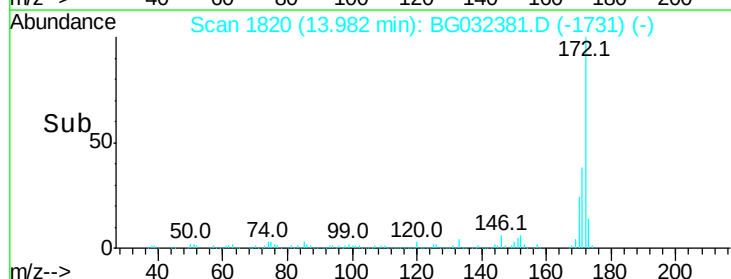
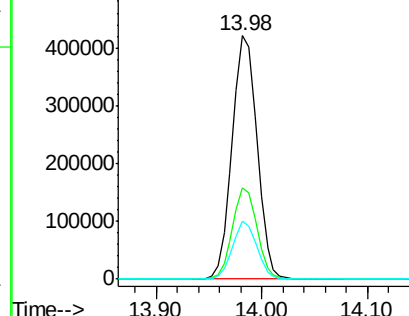


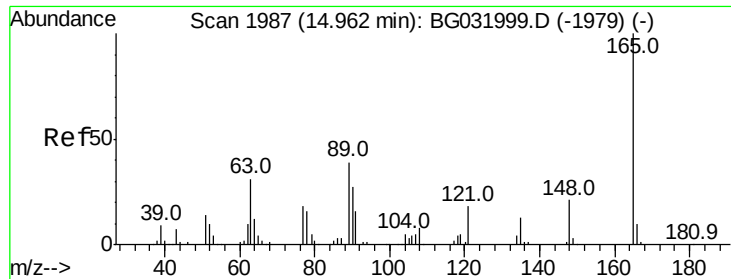
#44
 2-Fluorobiphenyl
 Concen: 102.232 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.6	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

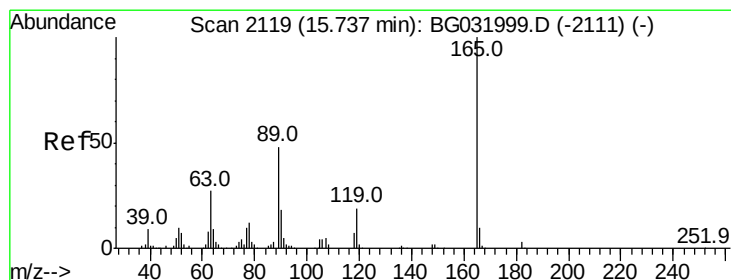
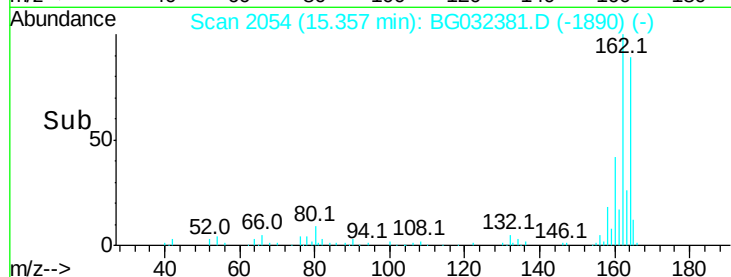
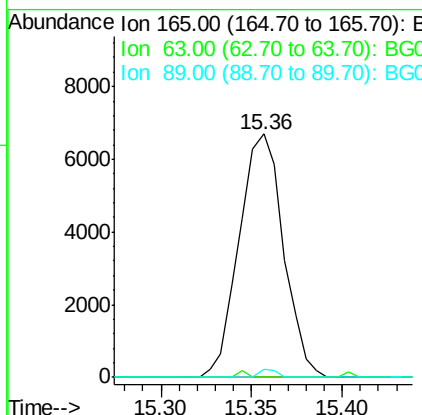
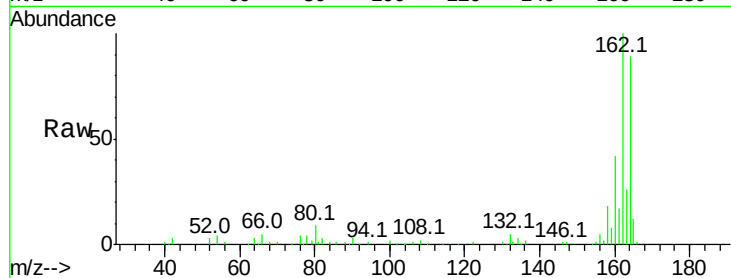




#50
 2,6-Dinitrotoluene
 Concen: 7.525 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

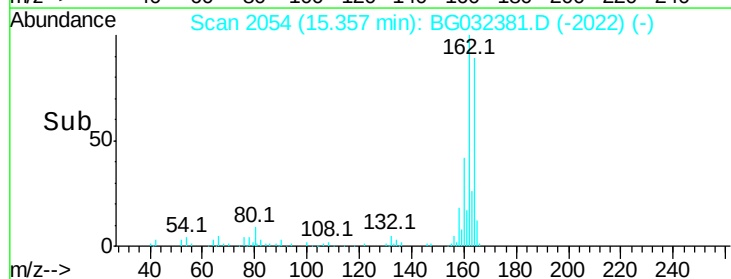
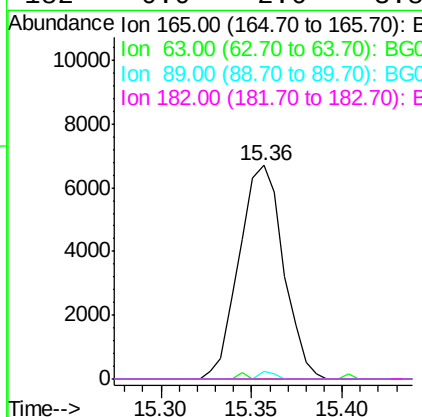
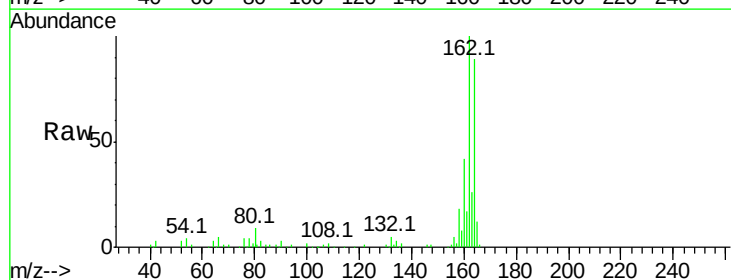
Instrument :
 BNA_G
 ClientSampleId :

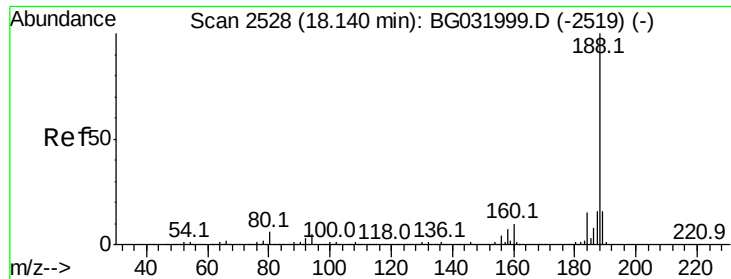
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.4	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.590 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.4	66.9	100.3#
182	0.0	2.6	3.8#

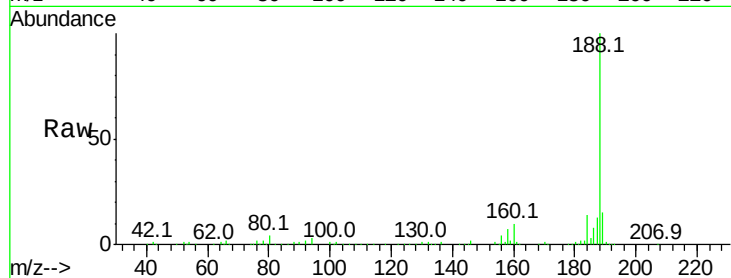




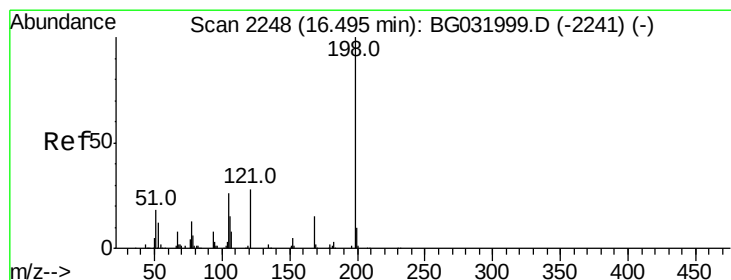
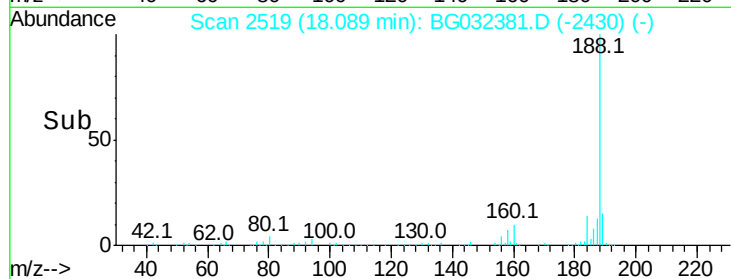
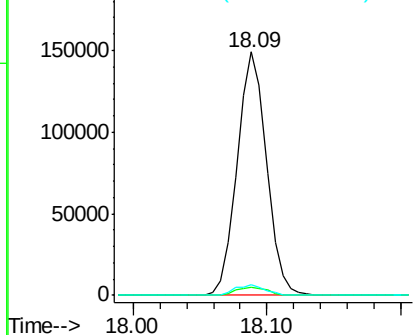
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 227101
 Ion Ratio Lower Upper
 188 100
 94 3.4 6.9 10.3#
 80 4.2 7.7 11.5#

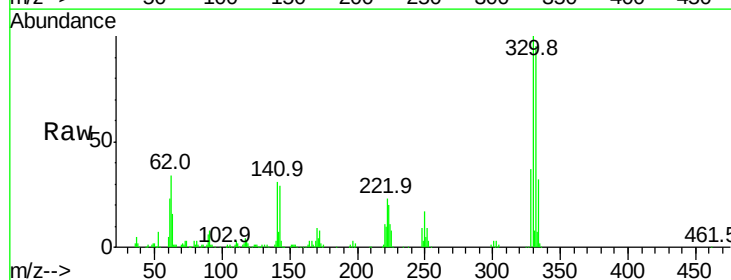


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

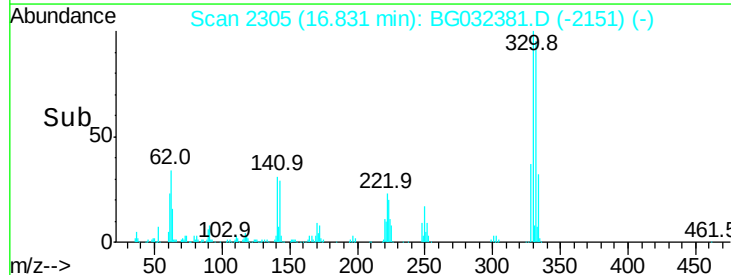
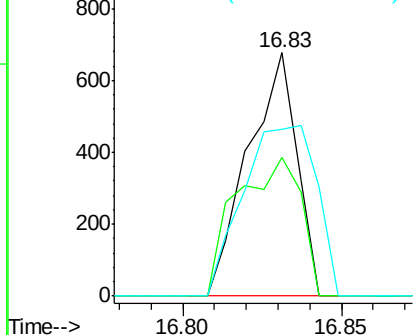


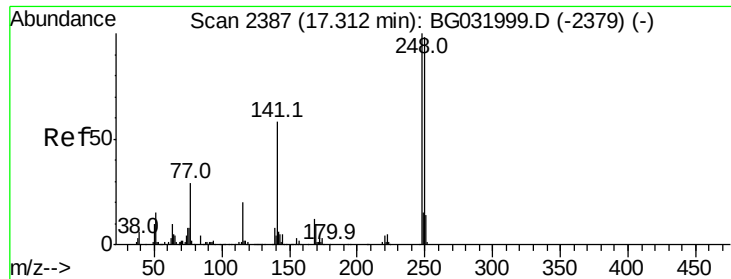
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.329 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Tgt Ion:198 Resp: 719
 Ion Ratio Lower Upper
 198 100
 51 57.2 30.6 70.6
 105 68.5 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

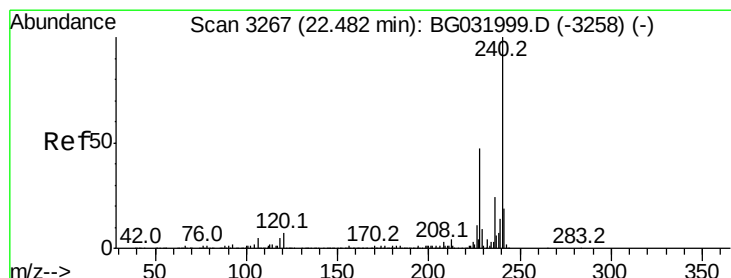
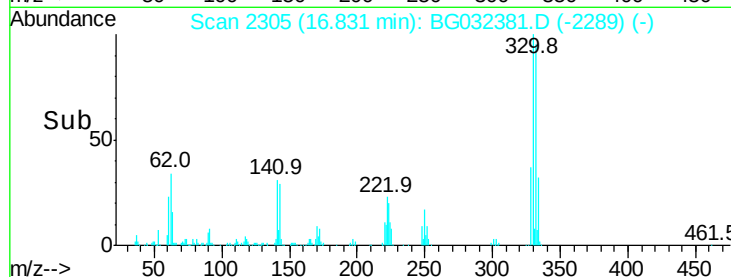
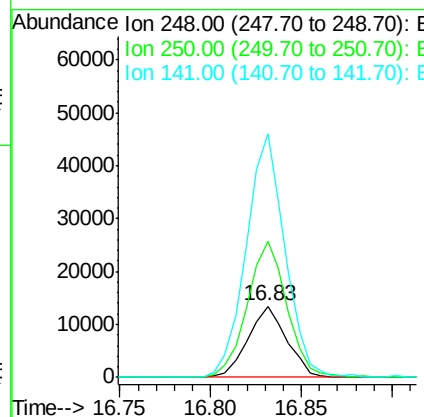
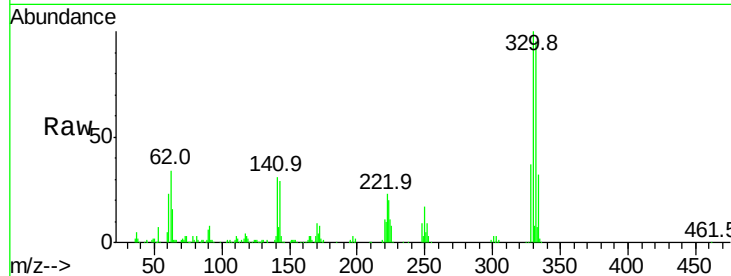




#66
4-Bromophenyl-phenylether
Concen: 6.134 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032381.D
Acq: 28 Jan 2018 7:29

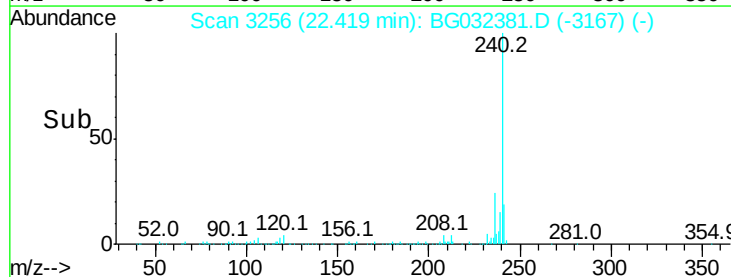
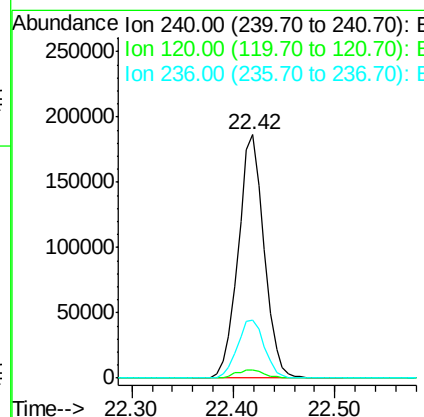
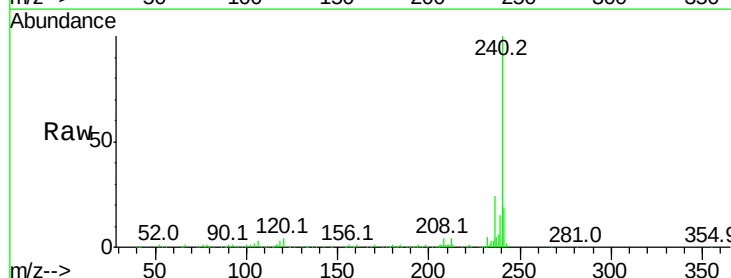
Instrument :
BNA_G
ClientSampleId :

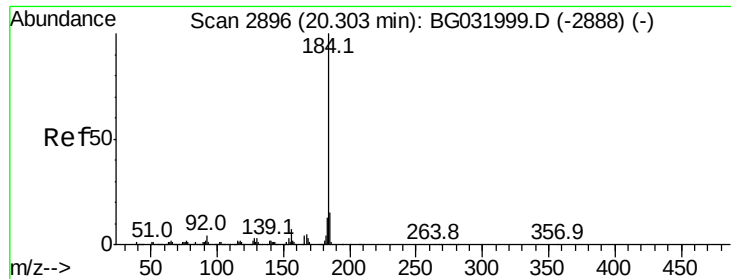
Tot Ion:248 Resp: 19821
Ion Ratio Lower Upper
248 100
250 190.6 77.1 115.7#
141 341.8 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032381.D
Acq: 28 Jan 2018 7:29

Tgt Ion:240 Resp: 330033
Ion Ratio Lower Upper
240 100
120 3.5 6.8 10.2#
236 23.9 20.9 31.3





#76

Benzidine

Concen: 2.569 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_G

ClientSampleId :

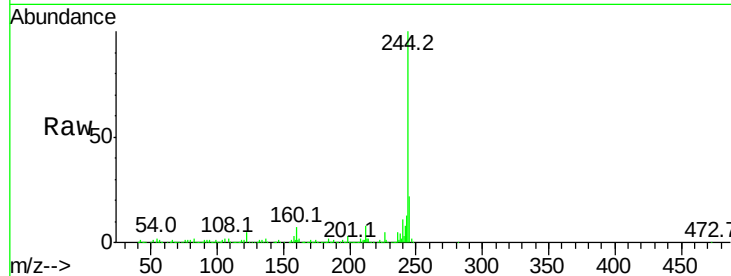
Tot Ion:184 Resp: 21203

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

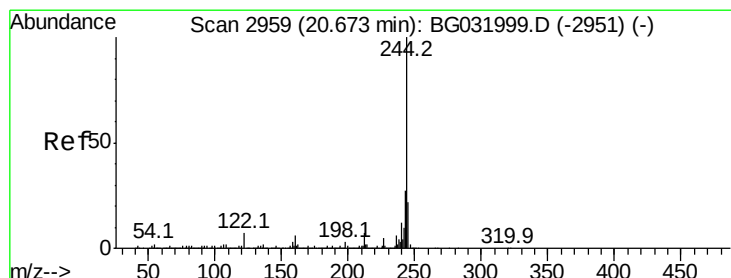
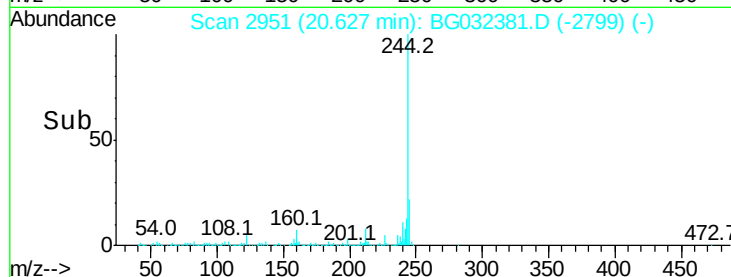
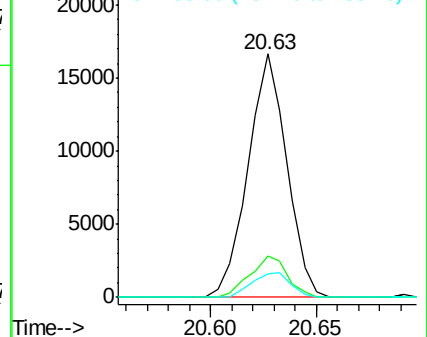
183 9.7 10.6 16.0#



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: 100.661 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032381.D

Acq: 28 Jan 2018 7:29

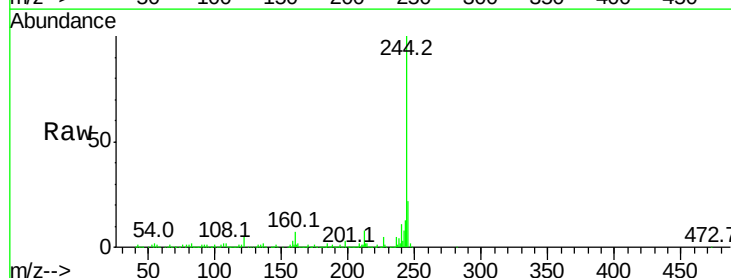
Tgt Ion:244 Resp: 1504567

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

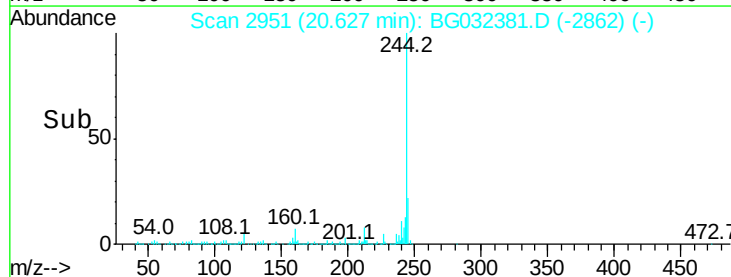
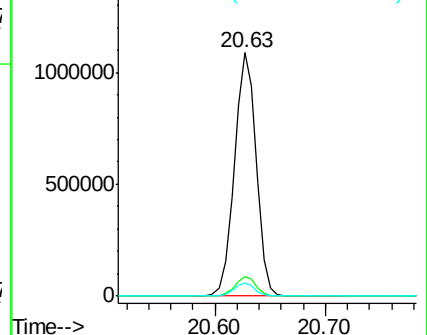
122 5.5 7.0 10.4#

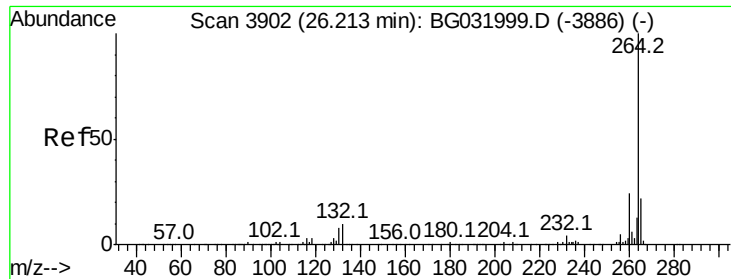


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

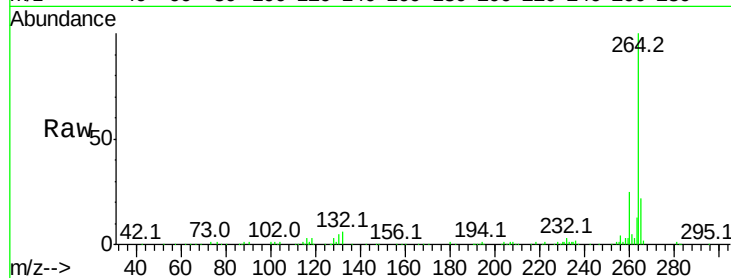




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032381.D
 Acq: 28 Jan 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.5	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

