

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032283.D
 Acq On : 25 Jan 2018 5:47
 Operator : SJ/JU
 Sample : J1022-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 07:35:32 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	42321	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	159903	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	112892	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	315421	20.00	ng	0.00
75) Chrysene-d12	22.42	240	407703	20.00	ng	0.00
86) Perylene-d12	26.10	264	419039	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	311036	134.42	ng	0.00
7) Phenol-d6	7.84	99	353250	121.21	ng	0.00
23) Nitrobenzene-d5	9.92	82	257567	108.98	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	305548	163.56	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	871491	95.72	ng	0.00
78) Terphenyl-d14	20.63	244	1839291	99.61	ng	0.00

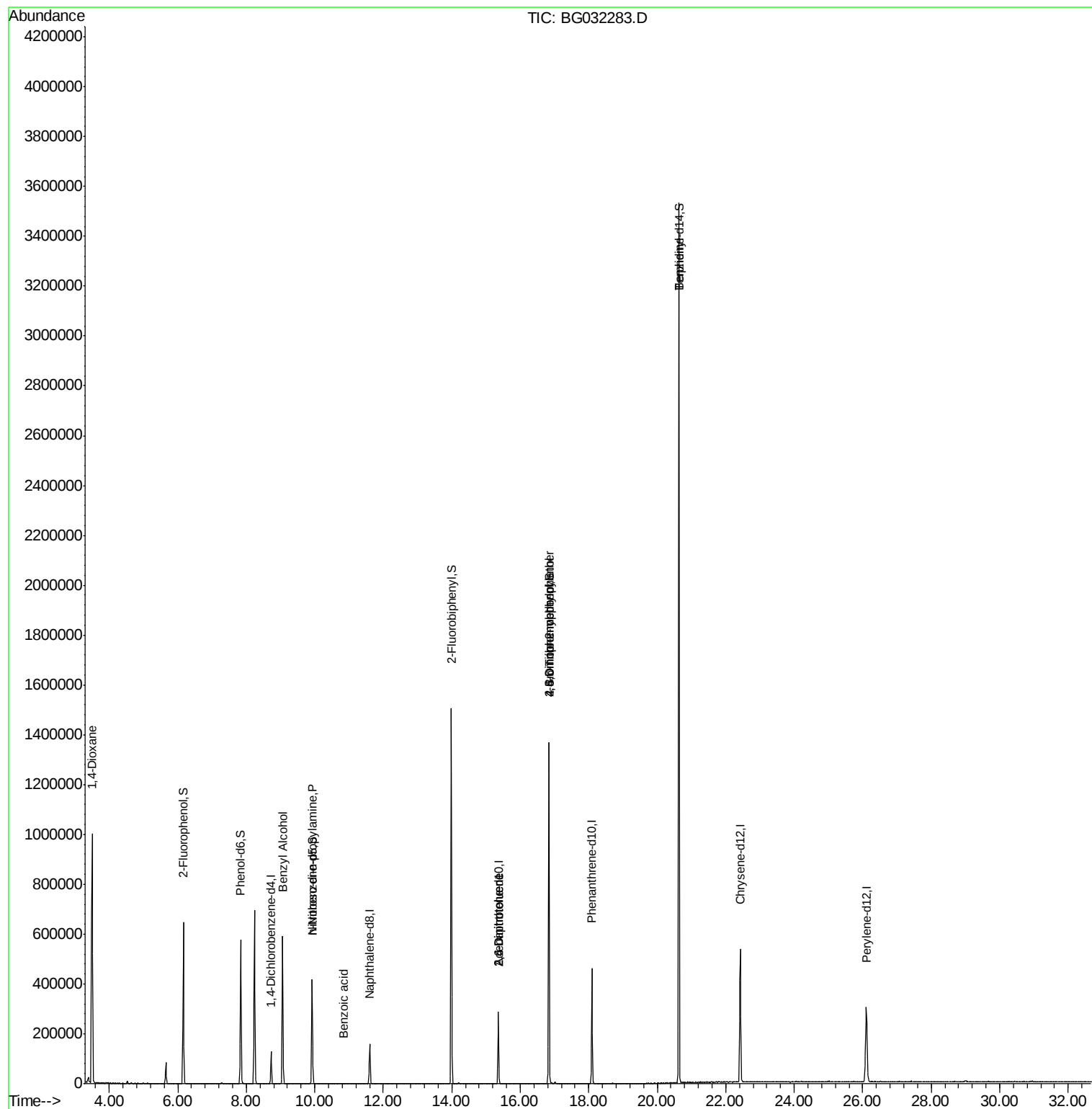
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	14150	15.917	ng	# 1
15) Benzyl Alcohol	9.06	79	4457	2.105	ng	# 50
19) n-Nitroso-di-n-propylamine	9.92	70	37477	20.726	ng	# 78
32) Benzoic acid	10.85	122	212	5.362	ng	# 76
50) 2,6-Dinitrotoluene	15.36	165	14150	6.901	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	14150	5.126	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	922	5.295	ng	# 74
66) 4-Bromophenyl-phenylether	16.84	248	24958	5.561	ng	# 1
76) Benzidine	20.63	184	26961	2.645	ng	# 93

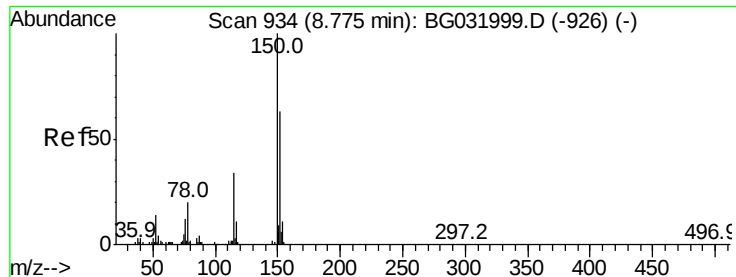
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032283.D

Acq: 25 Jan 2018 5:47

Instrument :

BNA_G

ClientSampleId :

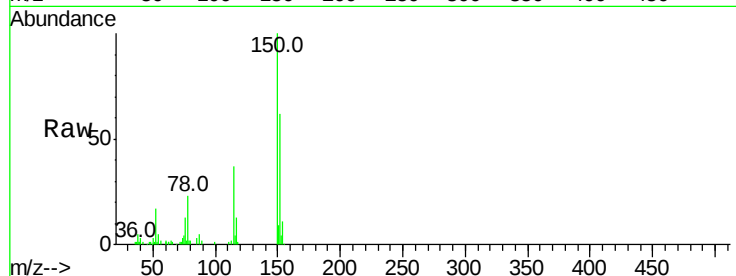
Tot Ion:152 Resp: 42321

Ion Ratio Lower Upper

152 100

150 162.4 126.6 189.8

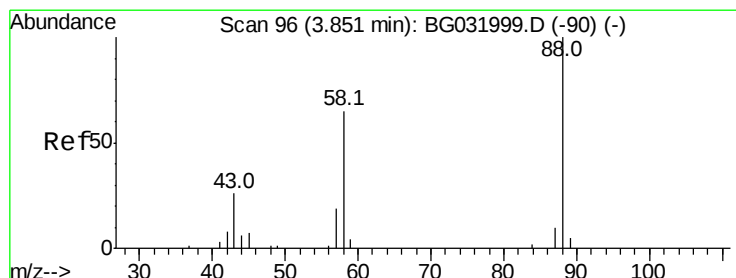
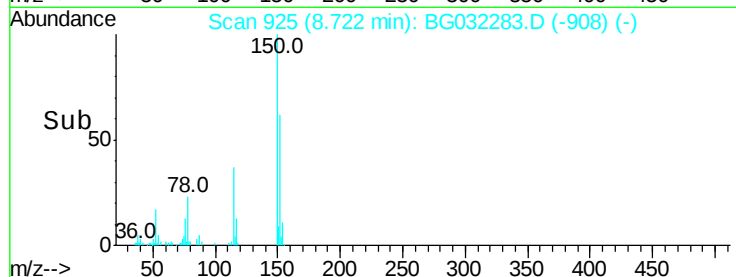
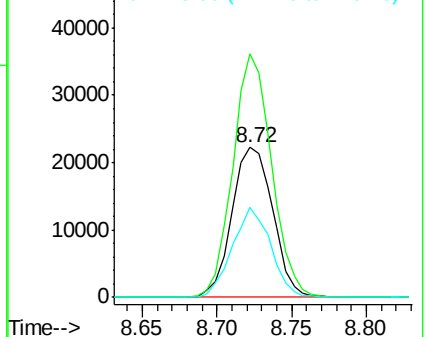
115 60.4 53.0 79.4



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: 15.917 ng

RT: 3.50 min Scan# 36

Delta R.T. -0.32 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

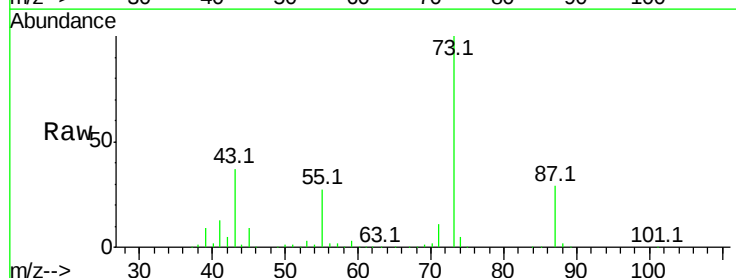
Tgt Ion: 88 Resp: 14150

Ion Ratio Lower Upper

88 100

58 31.9 79.6 119.4#

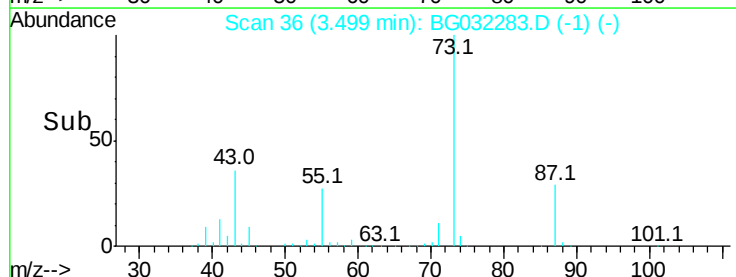
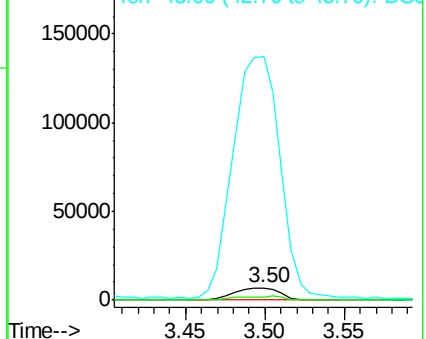
43 2007.7 27.4 41.0#

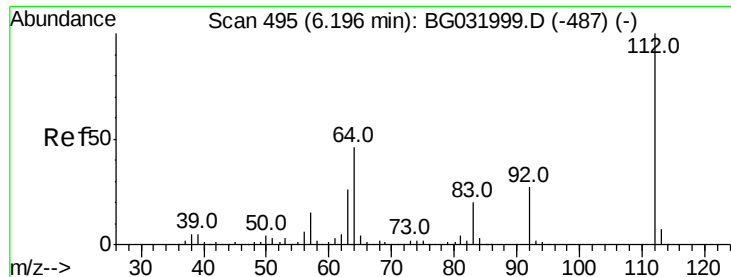


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

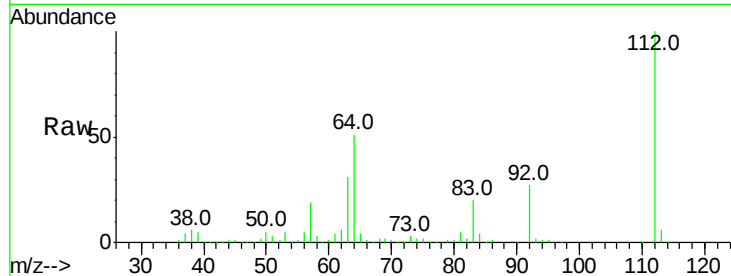




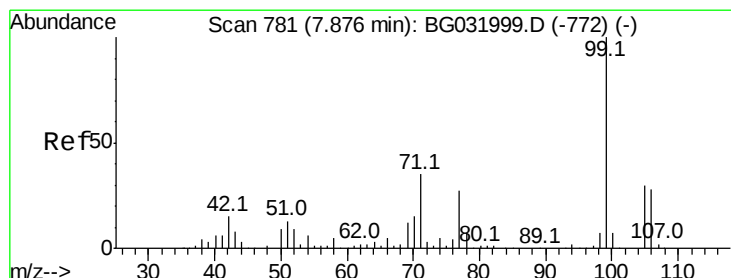
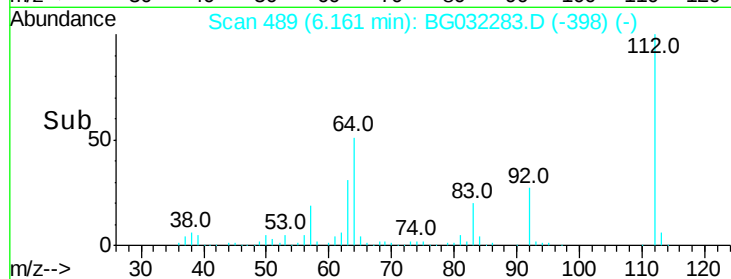
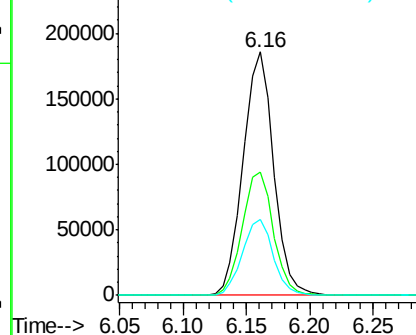
#5
 2-Fluorophenol
 Concen: 134.416 ng
 RT: 6.16 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
64	50.5	56.3	84.5#
63	31.4	30.1	45.1

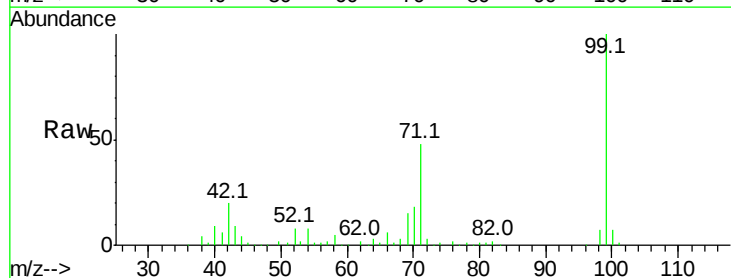


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC

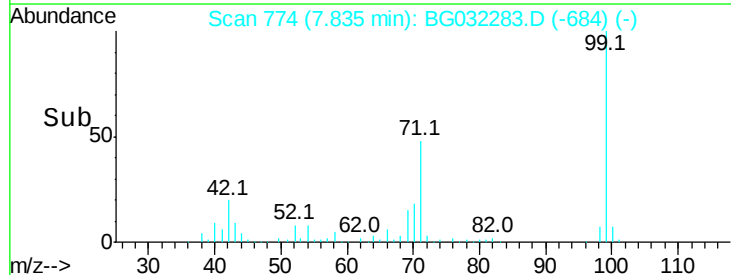
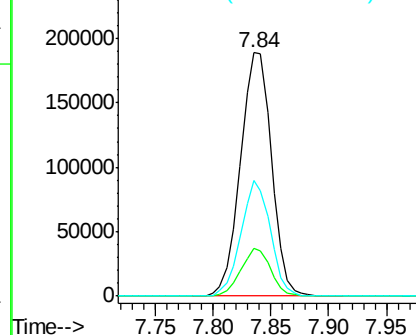


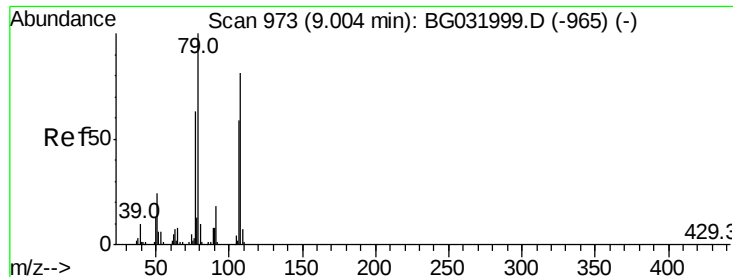
#7
 Phenol-d6
 Concen: 121.213 ng
 RT: 7.84 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.1	21.1
71	47.7	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: 2.105 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

Instrument :

BNA_G

ClientSampleId :

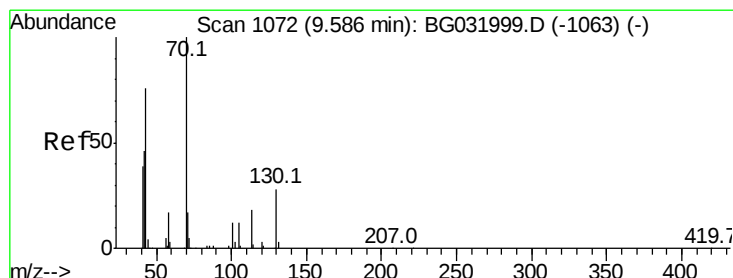
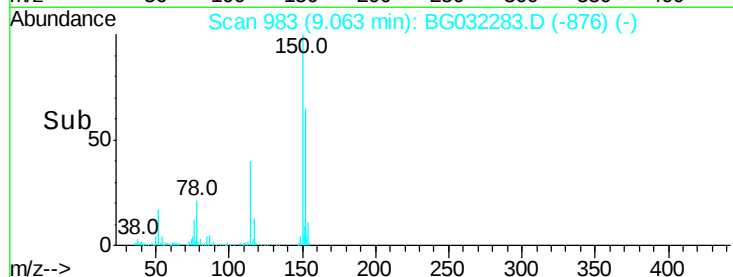
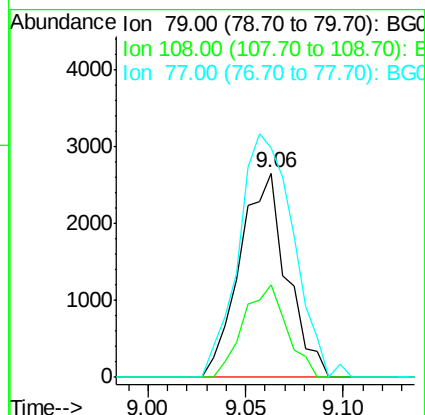
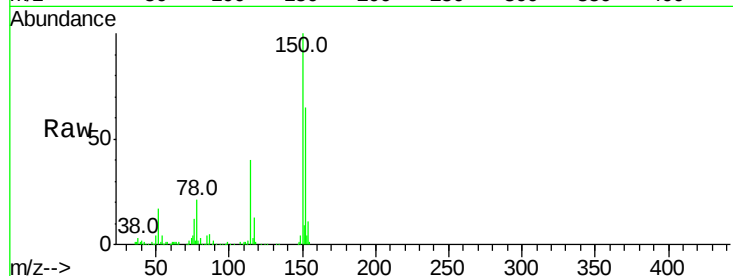
Tot Ion: 79 Resp: 4457

Ion Ratio Lower Upper

79 100

108 45.5 57.2 85.8#

77 112.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.726 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

Tgt Ion: 70 Resp: 37477

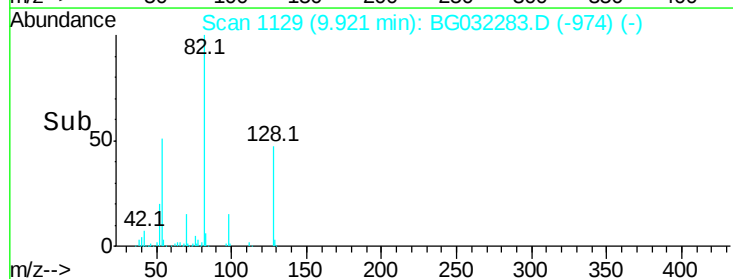
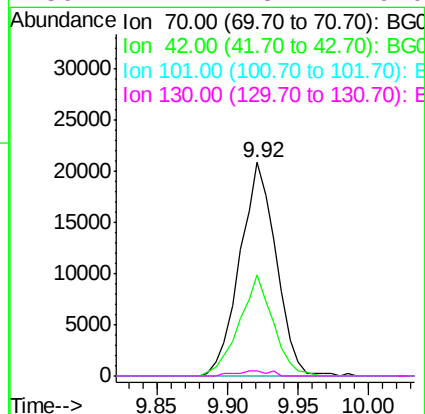
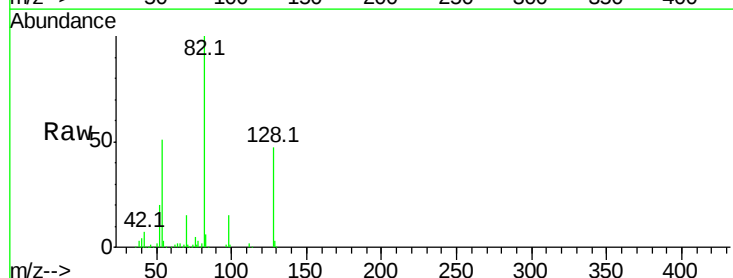
Ion Ratio Lower Upper

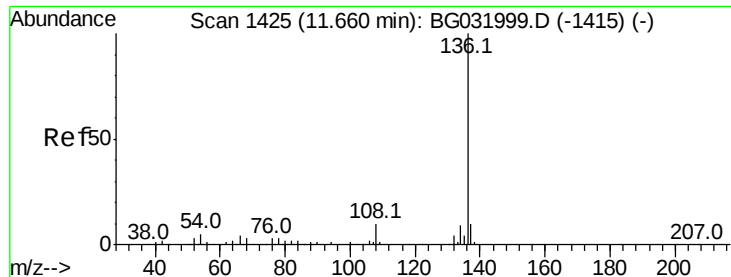
70 100

42 47.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

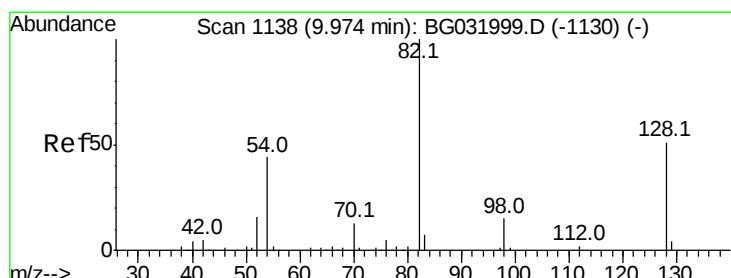
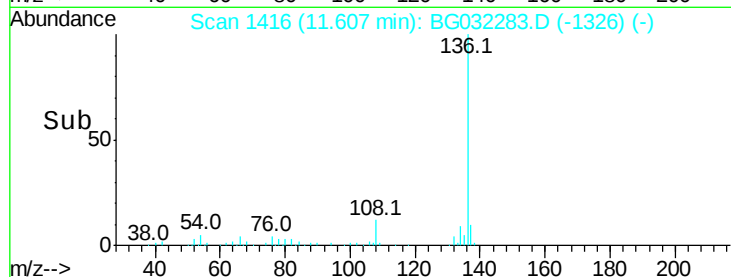
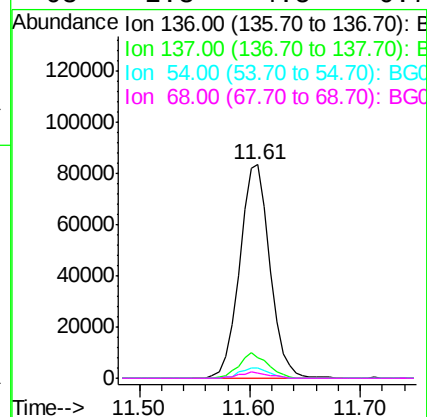
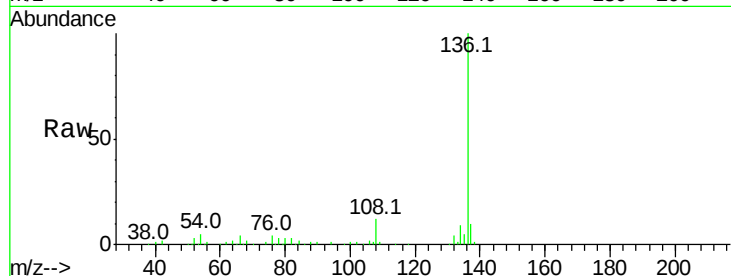




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032283.D
Acq: 25 Jan 2018 5:47

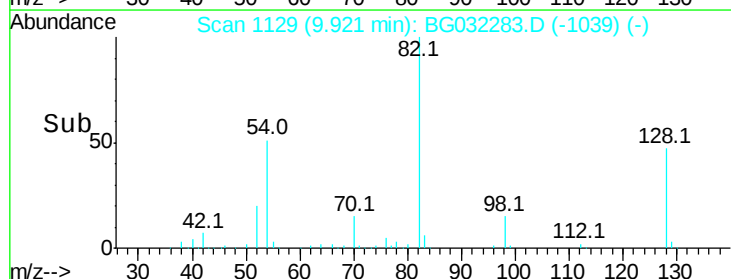
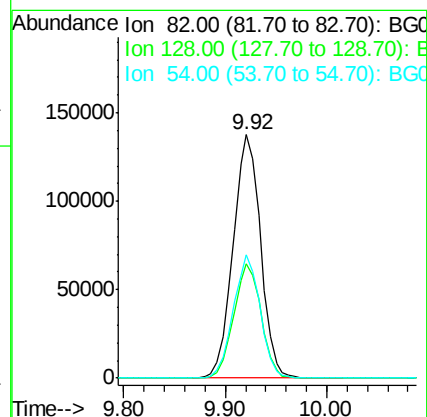
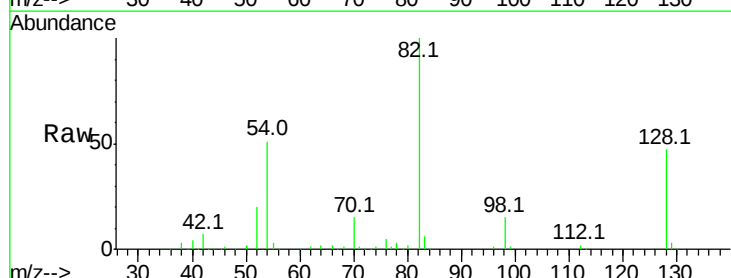
Instrument :
BNA_G
ClientSampleId :

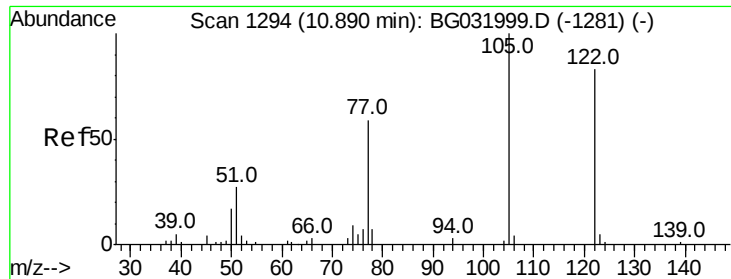
Tot Ion:	136	Resp:	159903
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	5.1	10.3	15.5#
68	2.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 108.975 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032283.D
Acq: 25 Jan 2018 5:47

Tgt Ion:	82	Resp:	257567
Ion	Ratio	Lower	Upper
82	100		
128	46.7	29.7	44.5#
54	50.5	43.1	64.7





#32

Benzoic acid

Concen: 5.362 ng

RT: 10.85 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

Instrument :

BNA_G

ClientSampleId :

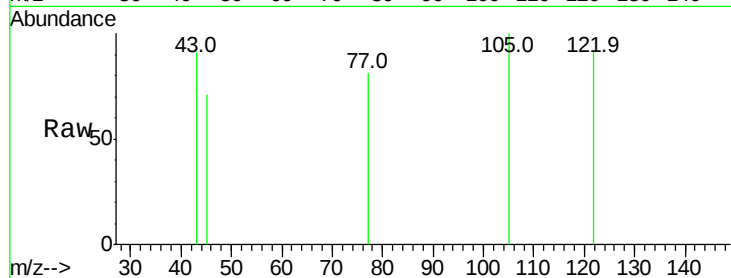
Tot Ion:122 Resp: 212

Ion Ratio Lower Upper

122 100

105 108.5 123.5 163.5#

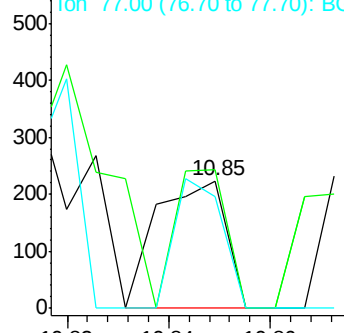
77 87.5 85.7 125.7



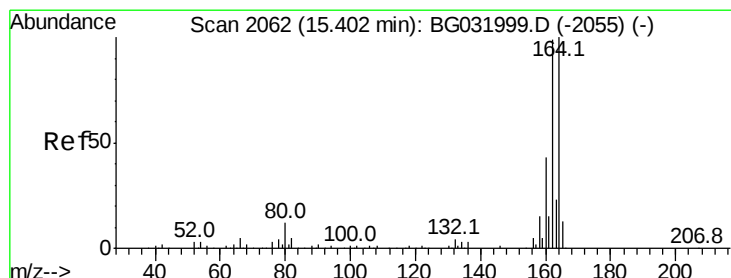
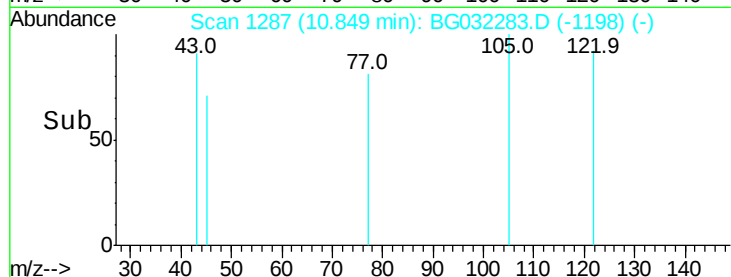
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

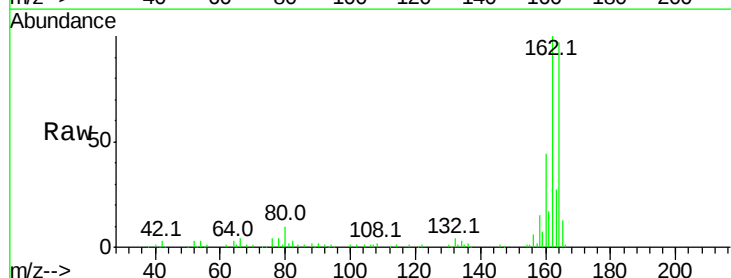
Tgt Ion:164 Resp: 112892

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

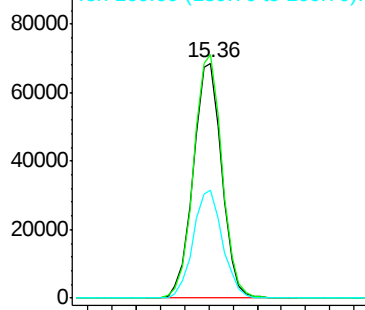
160 45.9 35.4 53.0



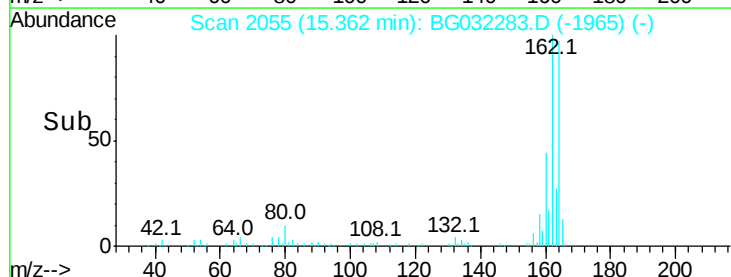
Abundance Ion 164.00 (163.70 to 164.70): E

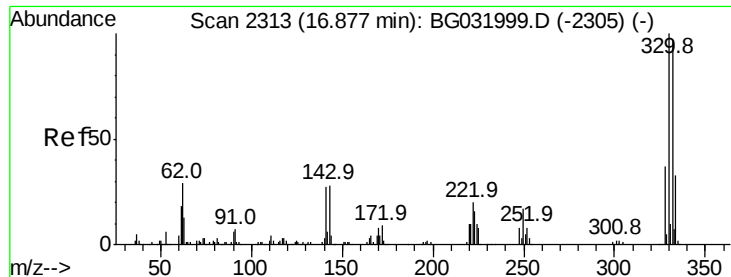
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

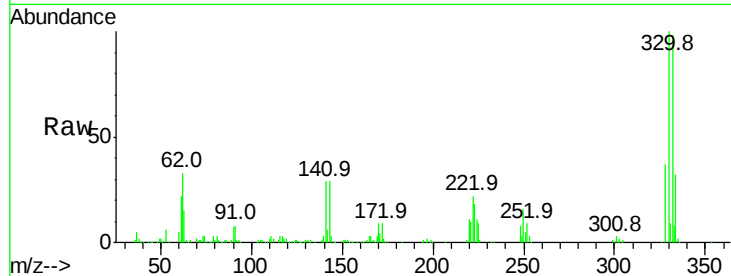




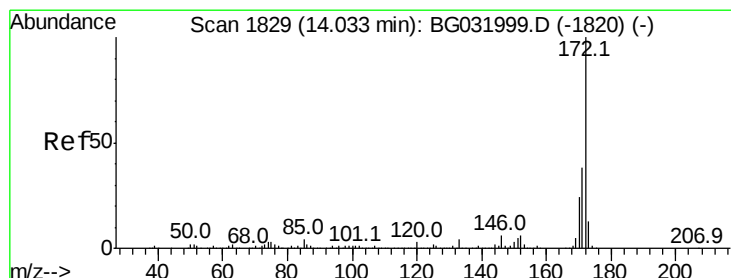
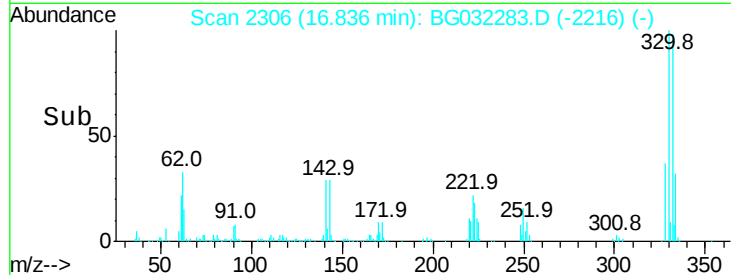
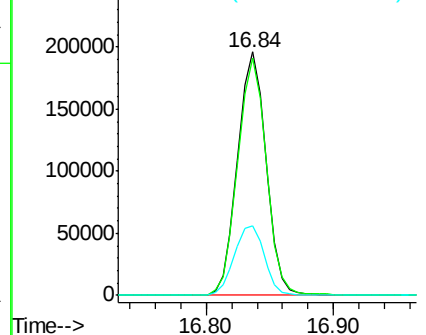
#41
 2,4,6-Tribromophenol
 Concen: 163.561 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	30.1	25.2	37.8

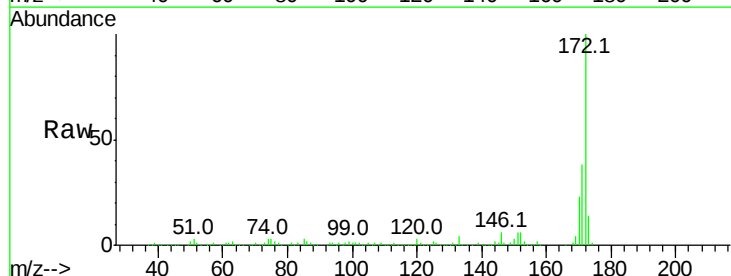


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

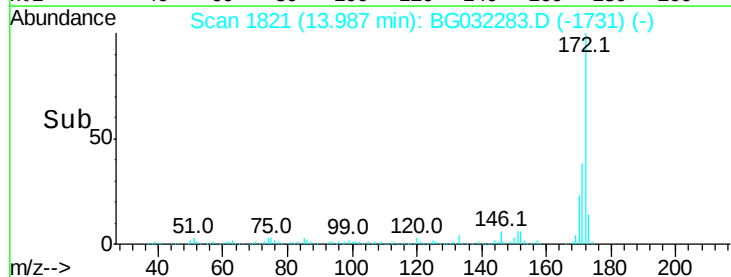
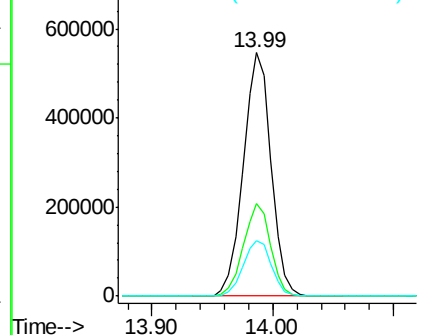


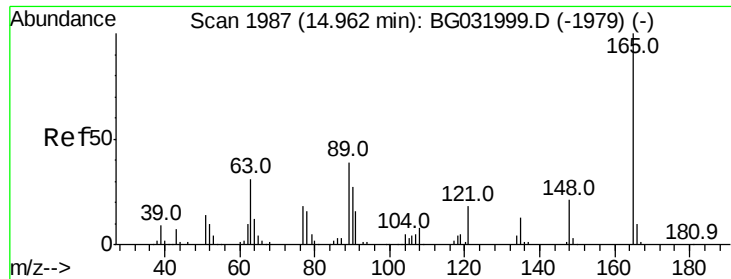
#44
 2-Fluorobiphenyl
 Concen: 95.720 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	22.8	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

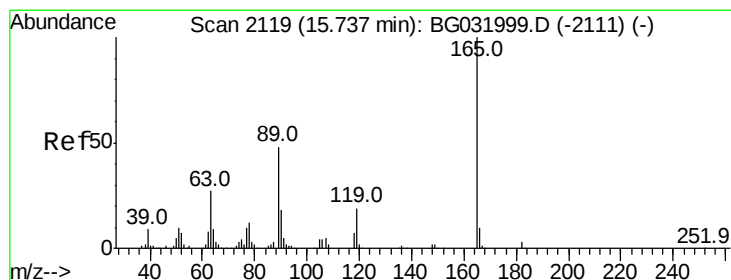
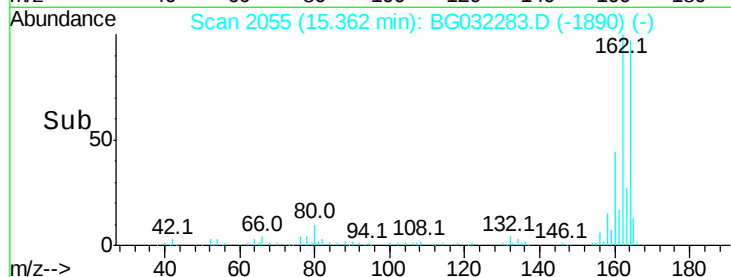
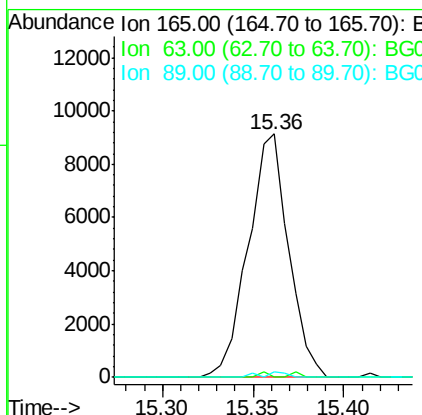
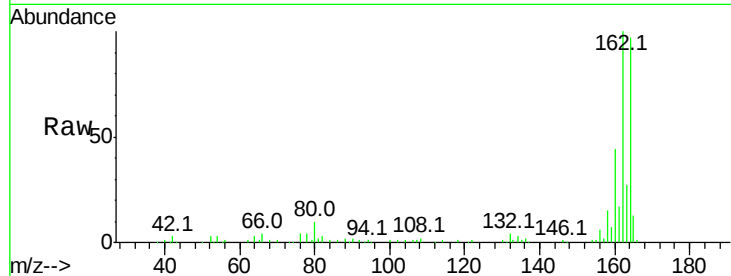




#50
 2,6-Dinitrotoluene
 Concen: 6.901 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.44 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

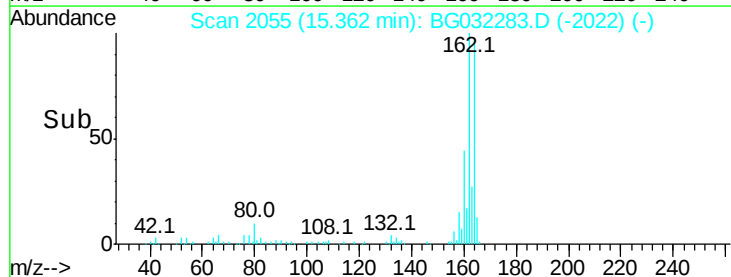
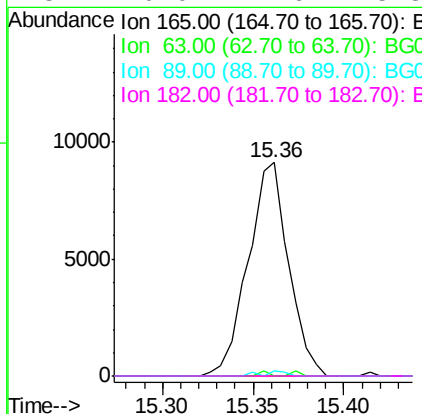
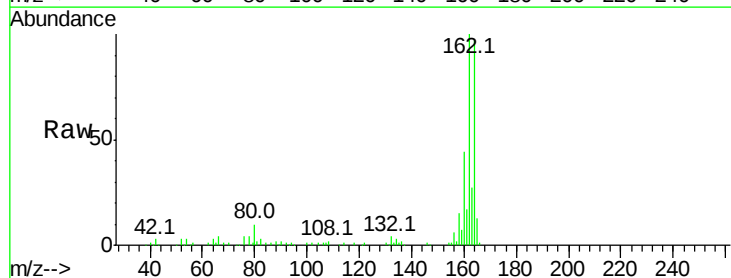
Instrument :
 BNA_G
 ClientSampleId :

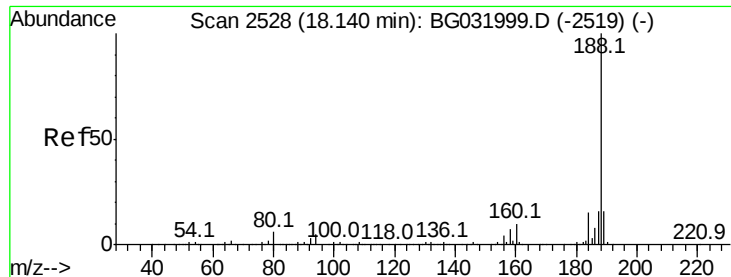
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.3	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.126 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.34 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#

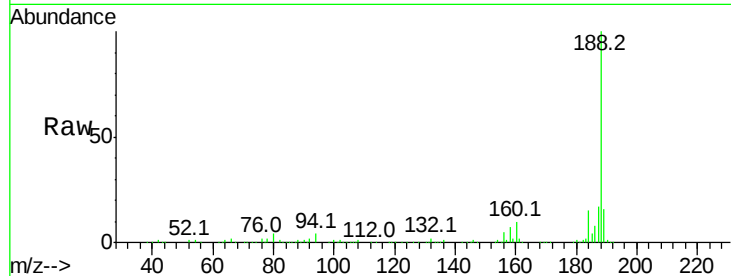




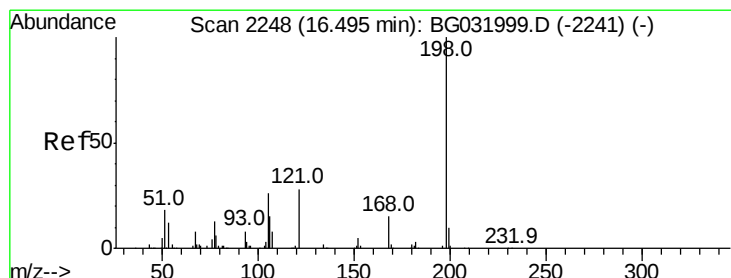
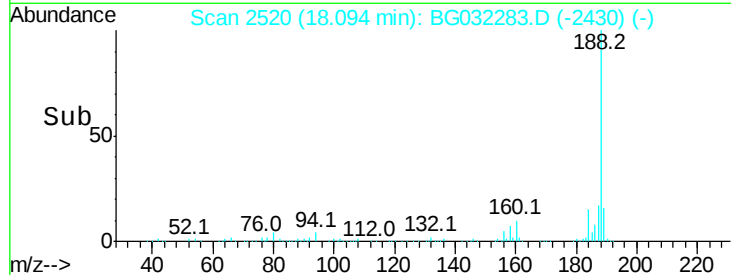
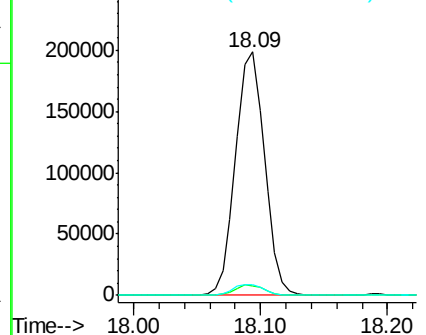
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.00 min
Lab File: BG032283.D
Acq: 25 Jan 2018 5:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 315421
Ion Ratio Lower Upper
188 100
94 3.9 6.9 10.3#
80 4.3 7.7 11.5#

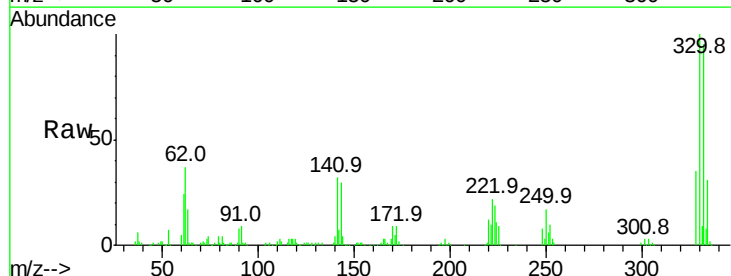


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

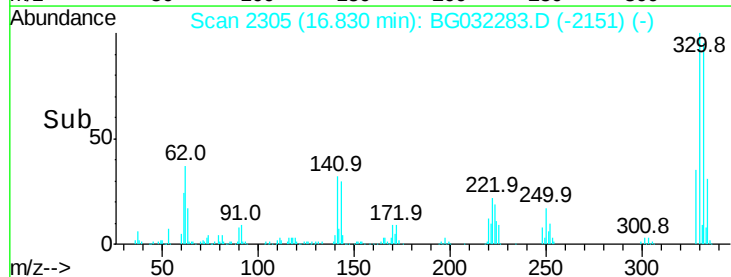
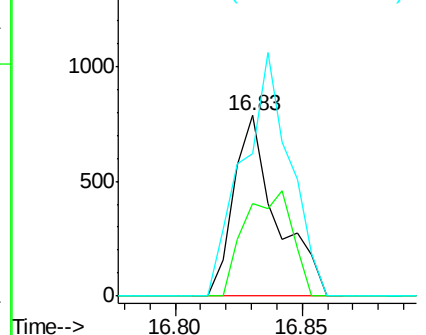


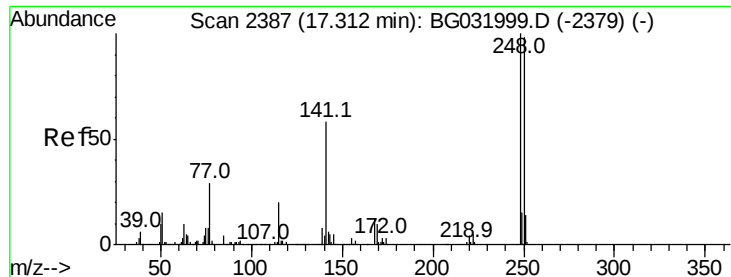
#64
4,6-Dinitro-2-methylphenol
Concen: 5.295 ng
RT: 16.83 min Scan# 2305
Delta R.T. 0.38 min
Lab File: BG032283.D
Acq: 25 Jan 2018 5:47

Tgt Ion:198 Resp: 922
Ion Ratio Lower Upper
198 100
51 51.5 30.6 70.6
105 79.2 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

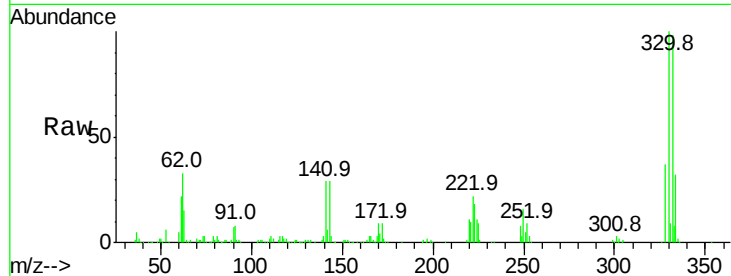




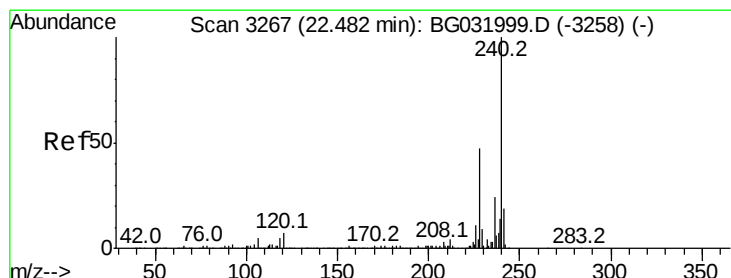
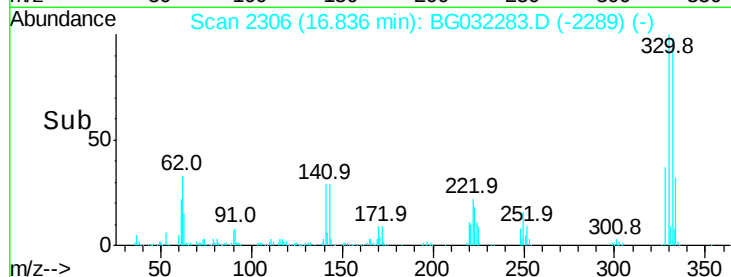
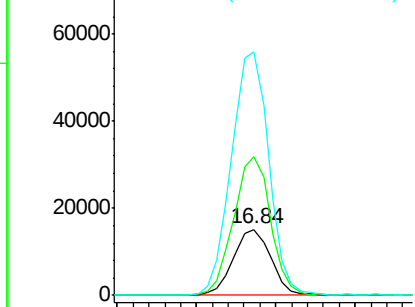
#66
 4-Bromophenyl-phenylether
 Concen: 5.561 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.43 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24958
 Ion Ratio Lower Upper
 248 100
 250 211.0 77.1 115.7#
 141 369.3 50.8 76.2#

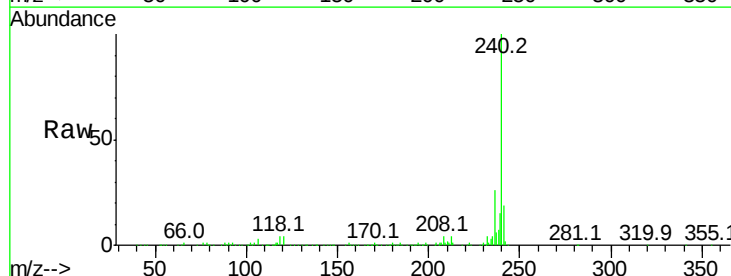


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

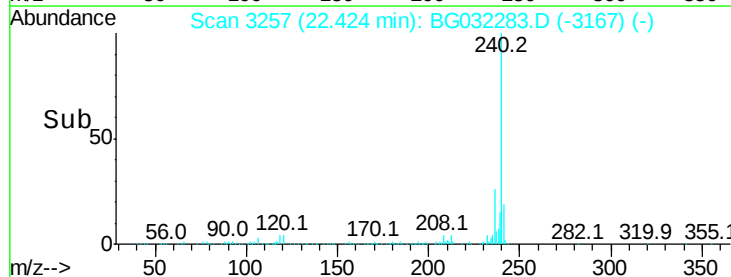
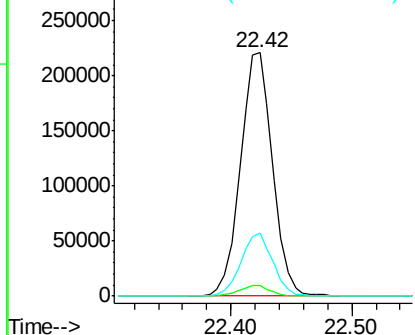


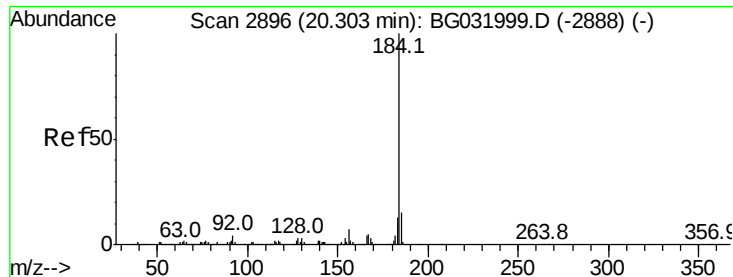
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Tgt Ion:240 Resp: 407703
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 25.9 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: 2.645 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.37 min

Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

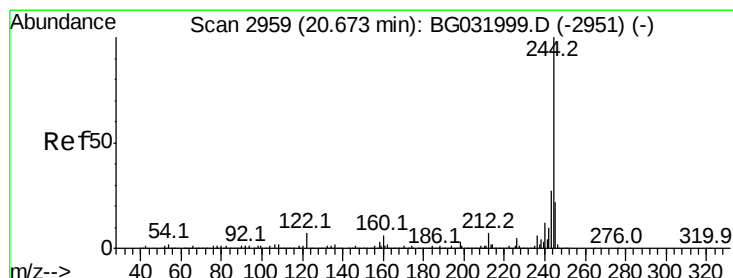
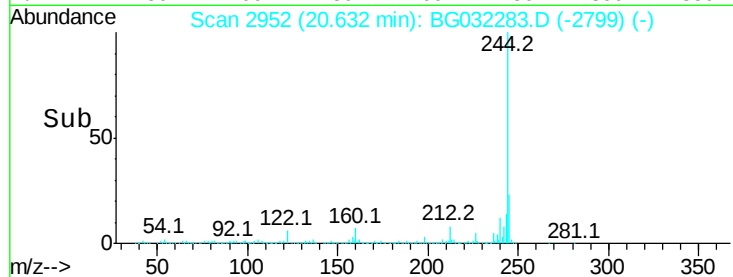
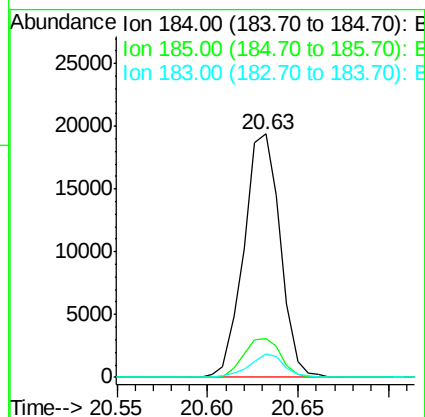
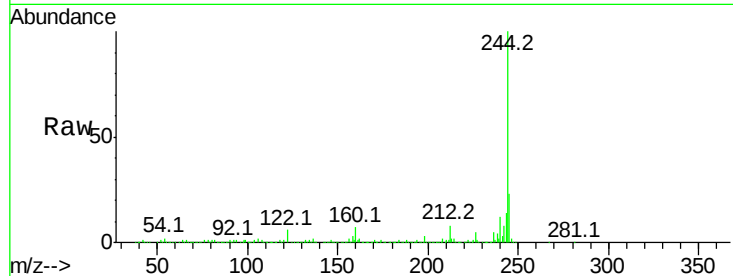
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 26961

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.1	16.7
183	9.6	10.6	16.0#



#78

Terphenyl-d14

Concen: 99.613 ng

RT: 20.63 min Scan# 2952

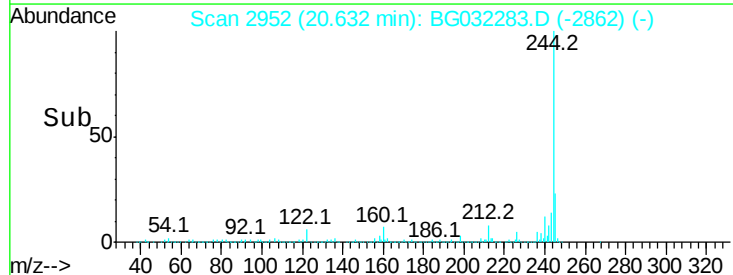
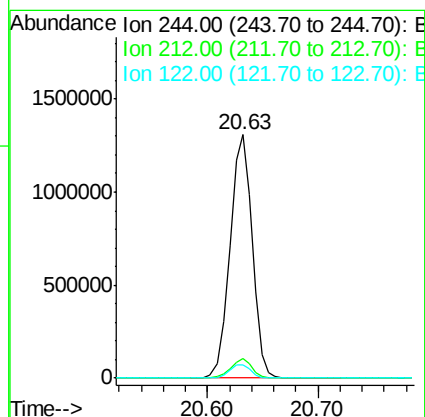
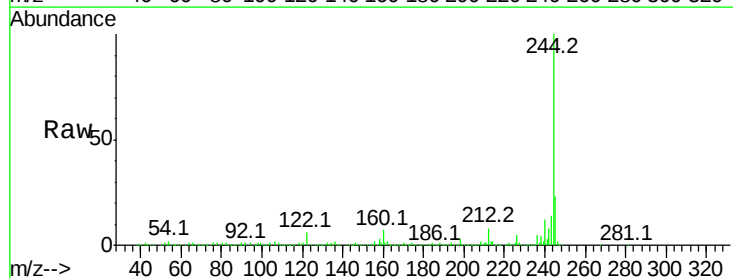
Delta R.T. -0.00 min

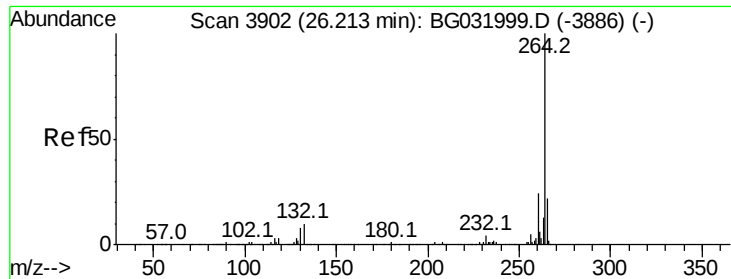
Lab File: BG032283.D

Acq: 25 Jan 2018 5:47

Tgt Ion:244 Resp: 1839291

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	5.7	7.0	10.4#

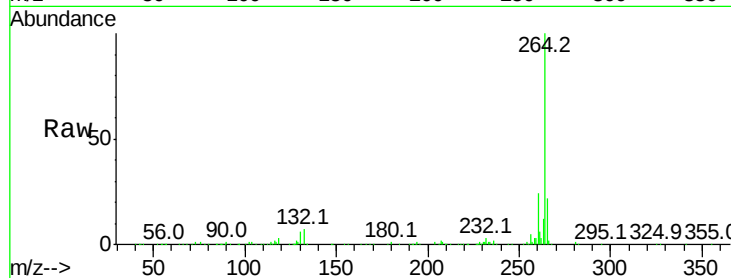




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: BG032283.D
 Acq: 25 Jan 2018 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.3	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

