

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032194.D
 Acq On : 21 Jan 2018 00:19
 Operator : SJ/JU
 Sample : J1231-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 02:07:15 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

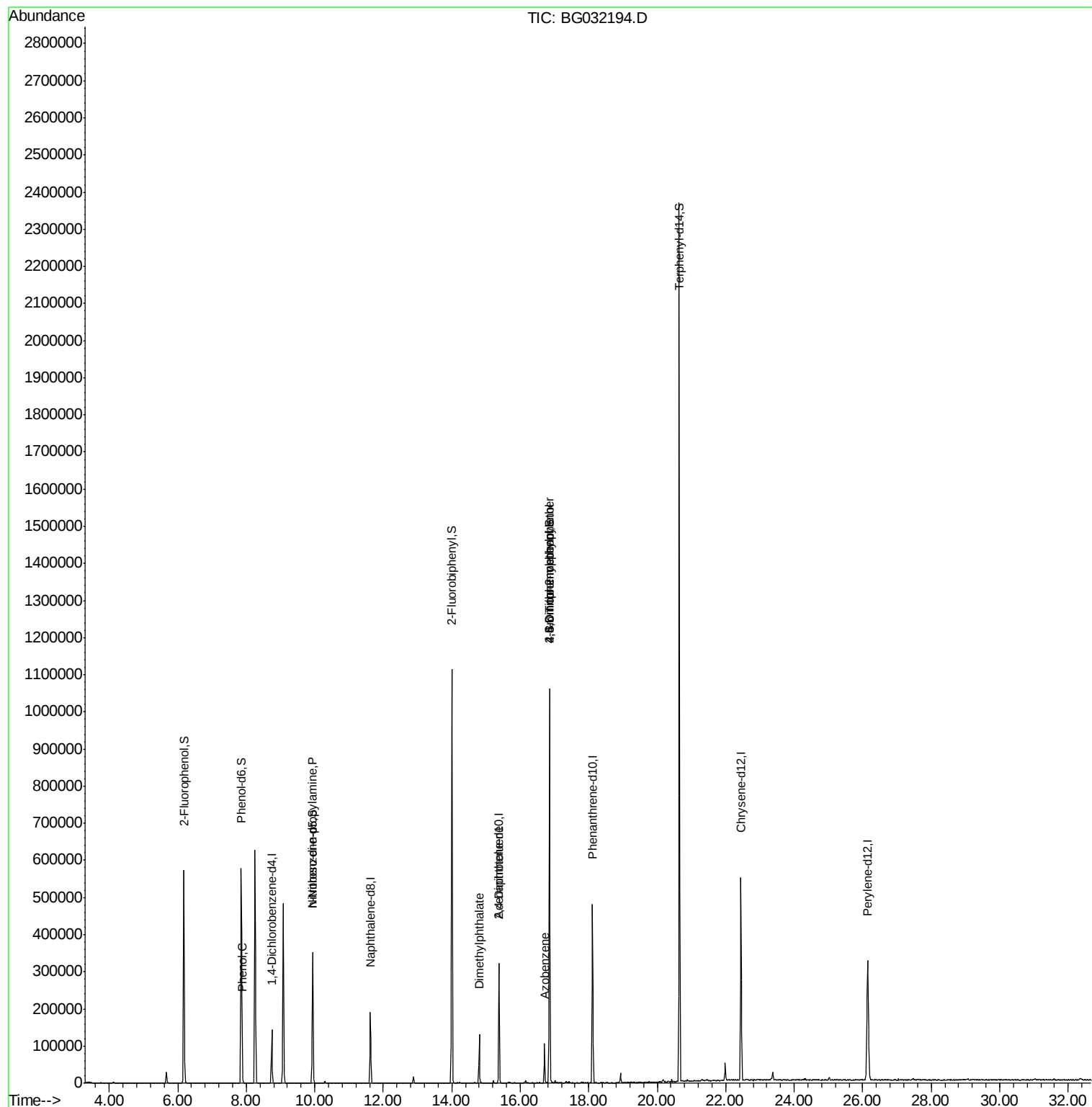
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	48297	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	184820	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	124328	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	321392	20.00	ng	0.00
75) Chrysene-d12	22.44	240	422120	20.00	ng	0.00
86) Perylene-d12	26.14	264	442714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	295900	112.05	ng	0.00
7) Phenol-d6	7.85	99	363342	109.25	ng	0.00
23) Nitrobenzene-d5	9.94	82	218909	80.13	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	238984	116.16	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	654361	65.26	ng	0.00
78) Terphenyl-d14	20.64	244	1298787	67.94	ng	0.00
Target Compounds						
10) Phenol	7.88	94	16802	5.129	ng	93
19) n-Nitroso-di-n-propylamine	9.94	70	30300	14.684	ng	# 74
49) Dimethylphthalate	14.80	163	102859	9.454	ng	# 99
56) 2,4-Dinitrotoluene	15.37	165	15963	5.250	ng	# 18
62) Azobenzene	16.71	77	26061	3.948	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.85	198	711	5.195	ng	# 53
66) 4-Bromophenyl-phenylether	16.85	248	20191	4.415	ng	# 1

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

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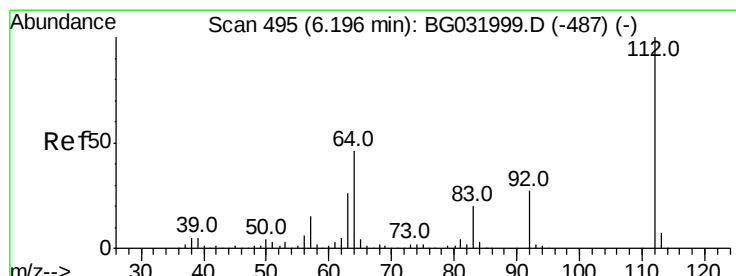
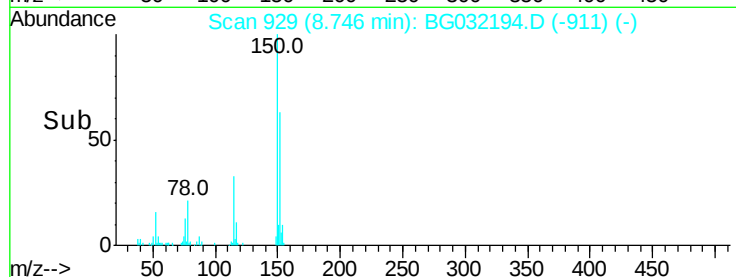
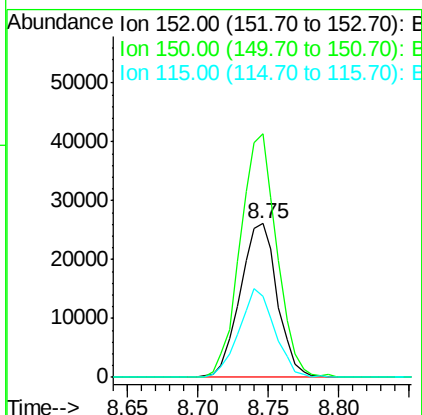
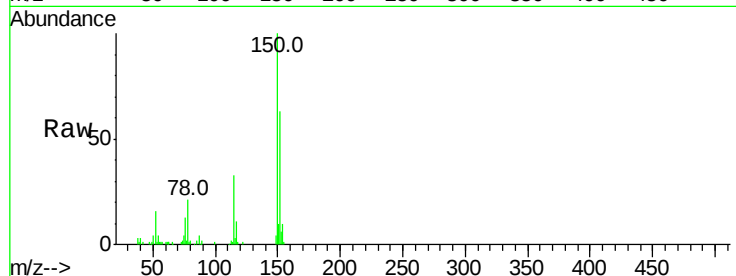


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

Instrument :
BNA_G
ClientSampleId :

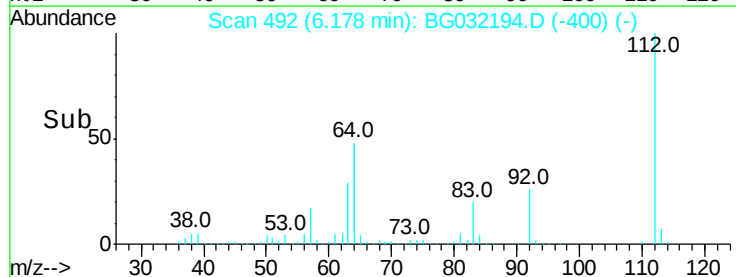
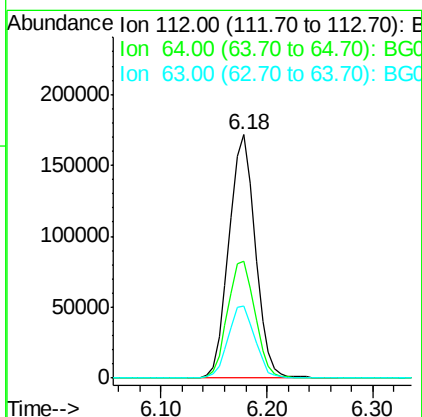
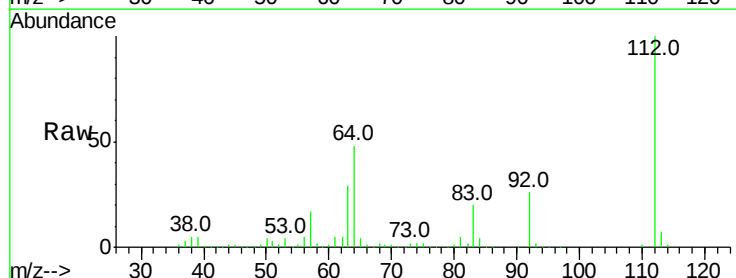
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.6	189.8
115	53.0	53.0	79.4

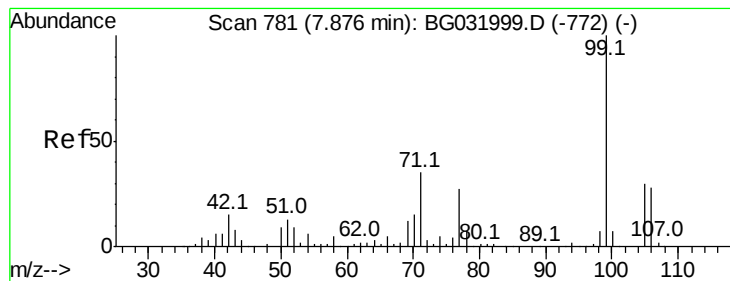


#5

2-Fluorophenol
Concen: 112.053 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.2	56.3	84.5#
63	29.5	30.1	45.1#





#7

Phenol-d6

Concen: 109.249 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Instrument :

BNA_G

ClientSampleId :

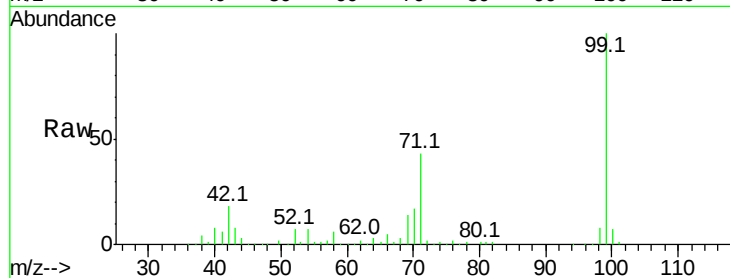
Tot Ion: 99 Resp: 363342

Ion Ratio Lower Upper

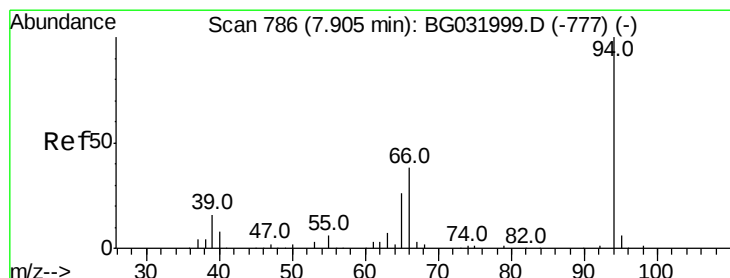
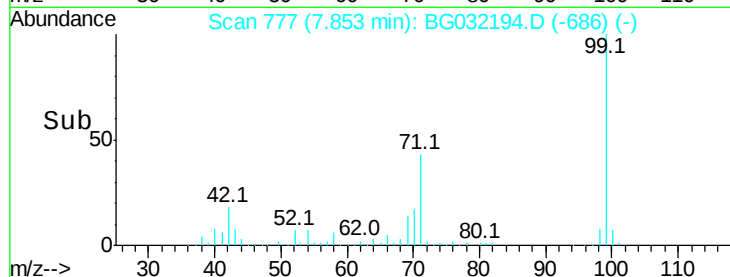
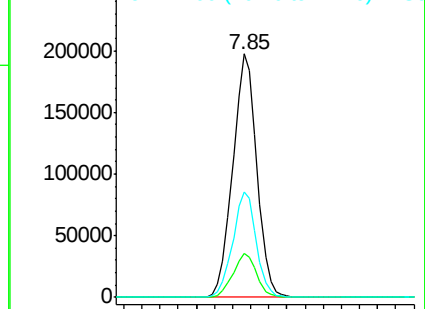
99 100

42 18.0 14.1 21.1

71 43.1 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 5.129 ng

RT: 7.88 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

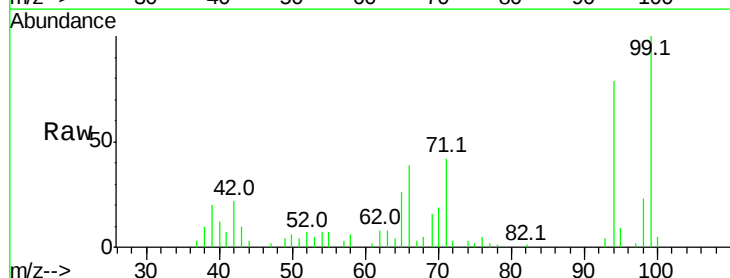
Tgt Ion: 94 Resp: 16802

Ion Ratio Lower Upper

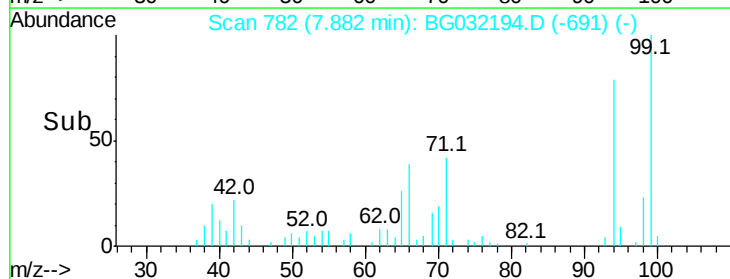
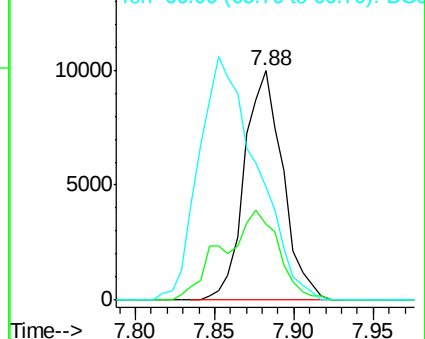
94 100

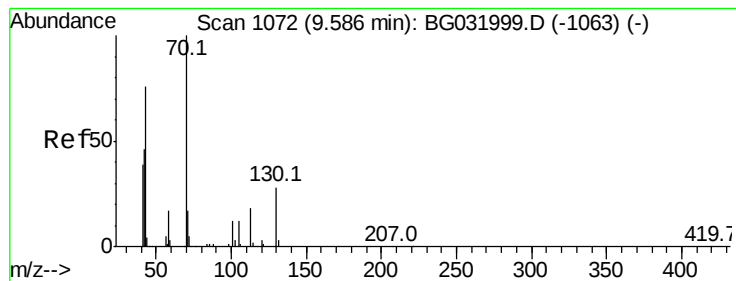
65 33.2 11.9 51.9

66 49.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.684 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 30300

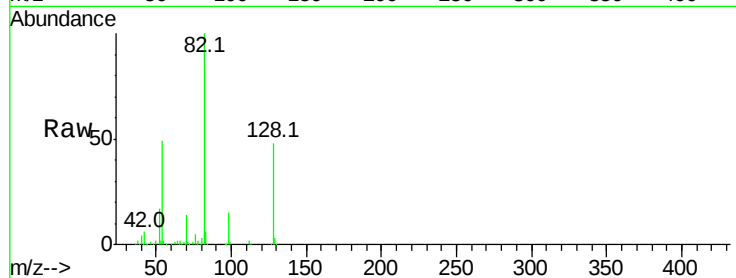
Ion Ratio Lower Upper

70 100

42 42.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

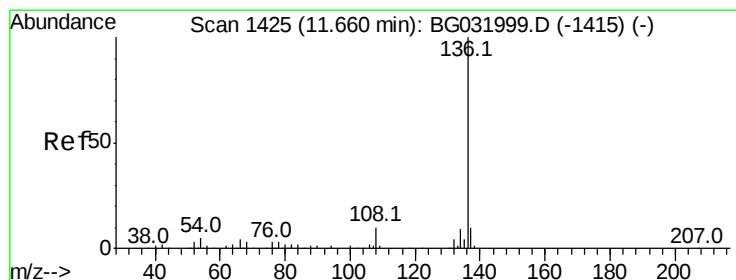
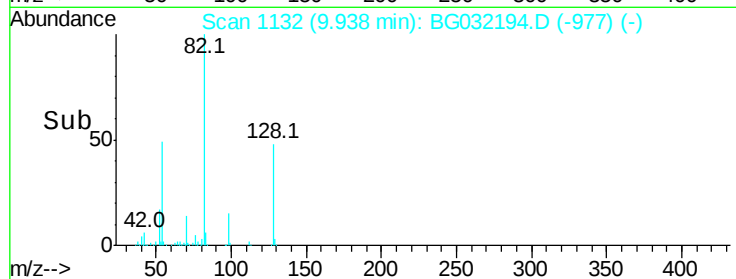
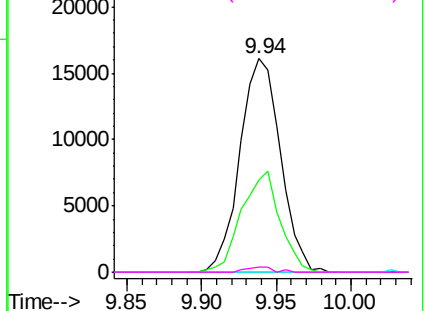


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Tgt Ion: 136 Resp: 184820

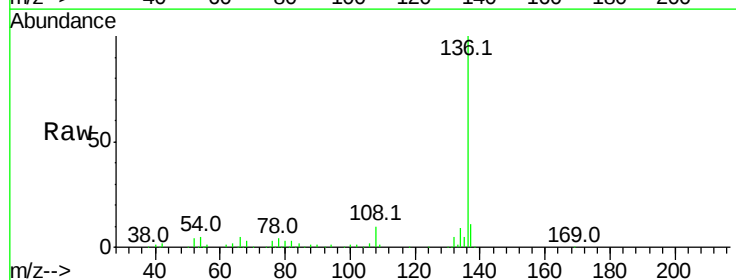
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 4.9 10.3 15.5#

68 2.9 4.5 6.7#

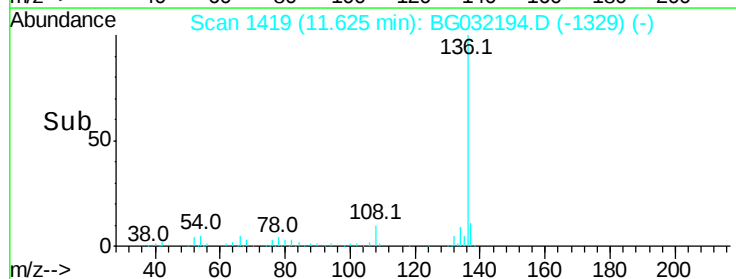
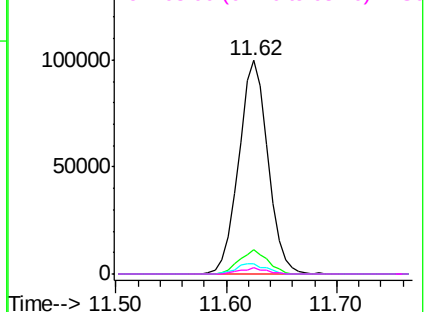


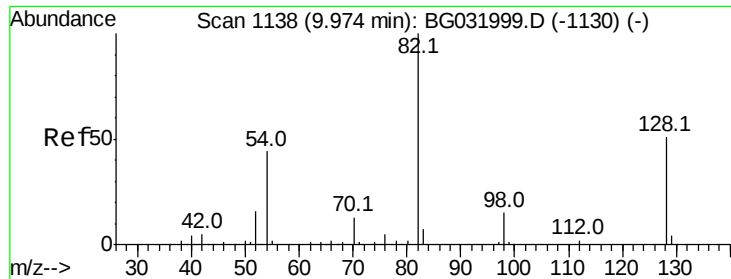
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

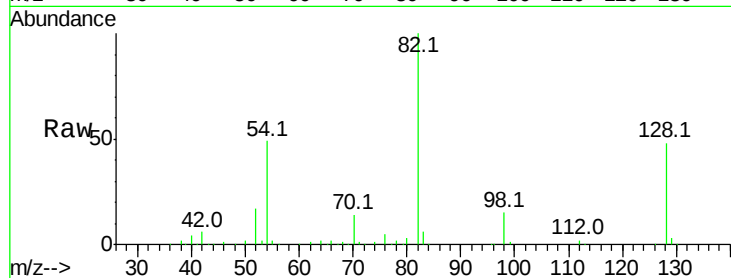




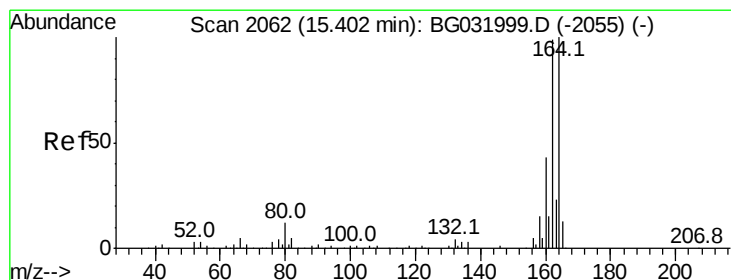
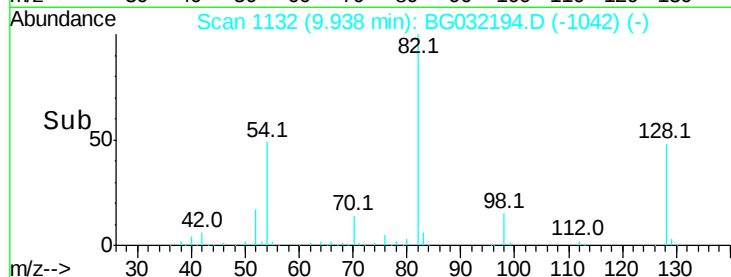
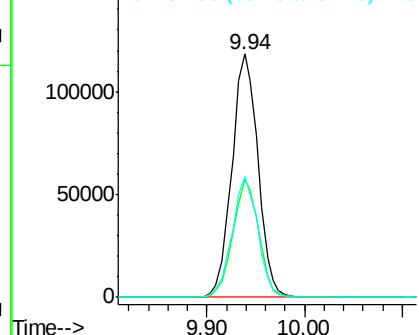
#23
Nitrobenzene-d5
Concen: 80.133 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 218909
Ion Ratio Lower Upper
82 100
128 48.3 29.7 44.5#
54 49.4 43.1 64.7

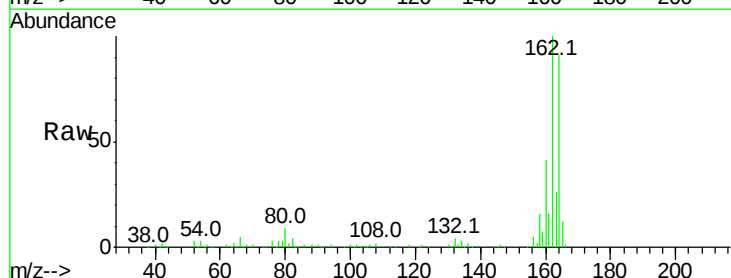


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

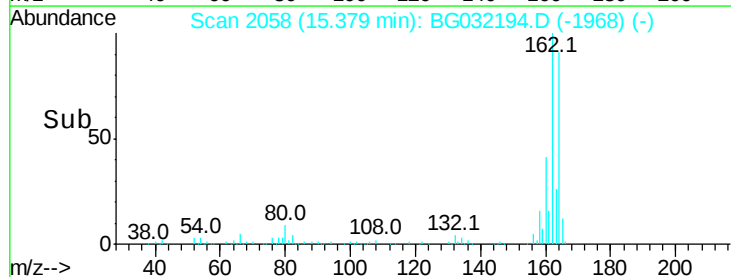
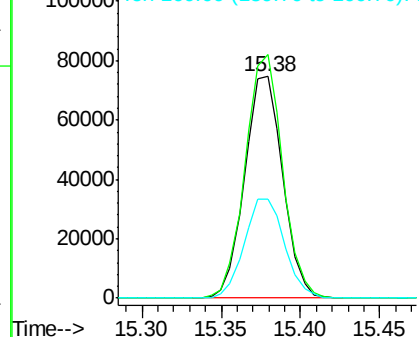


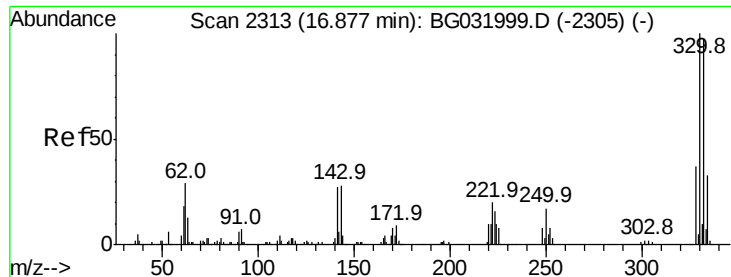
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

Tgt Ion:164 Resp: 124328
Ion Ratio Lower Upper
164 100
162 109.9 78.8 118.2
160 44.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

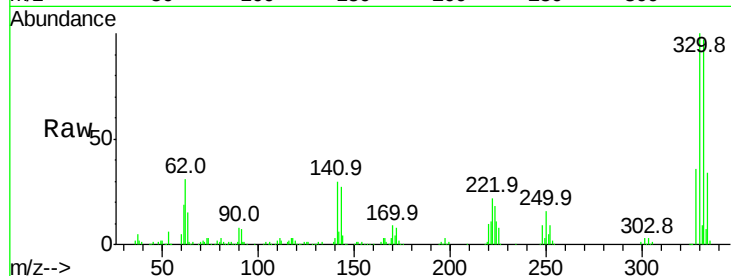




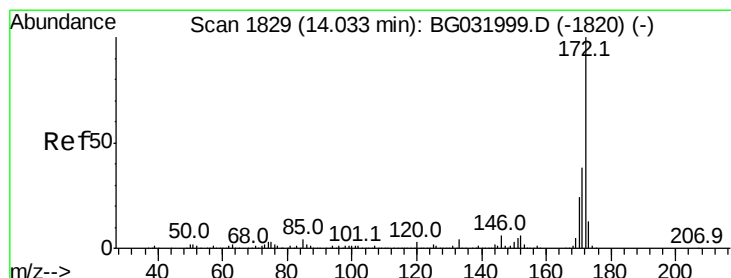
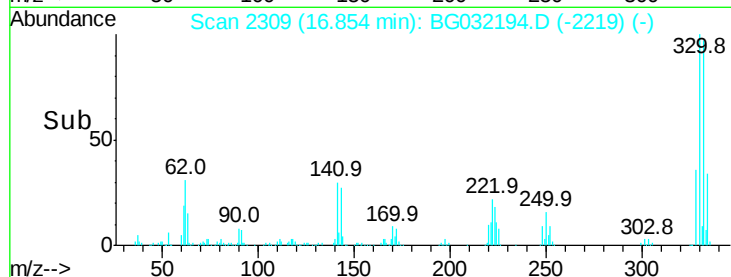
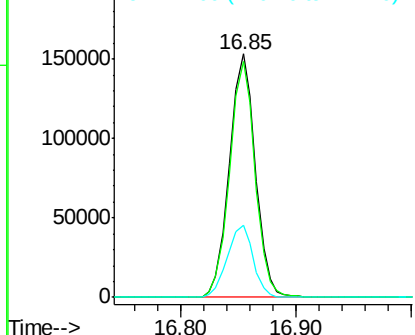
#41
 2,4,6-Tribromophenol
 Concen: 116.162 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032194.D
 Acq: 21 Jan 2018 00:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 238984
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 29.5 25.2 37.8

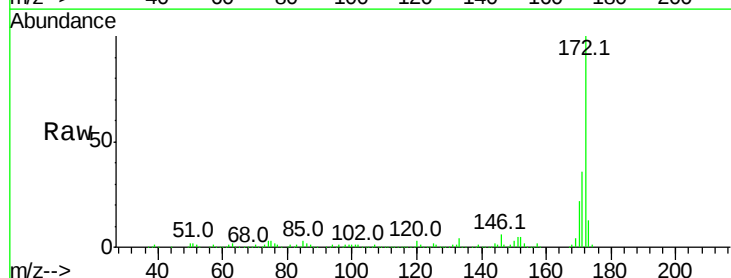


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

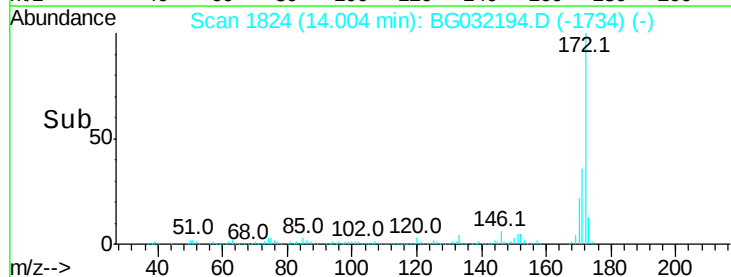
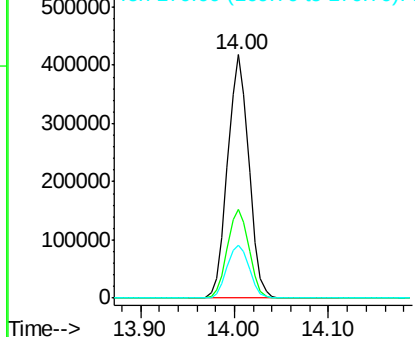


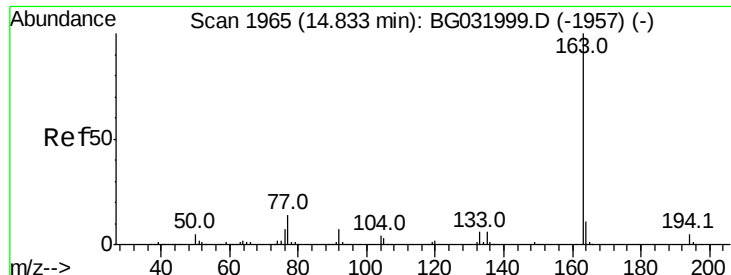
#44
 2-Fluorobiphenyl
 Concen: 65.261 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032194.D
 Acq: 21 Jan 2018 00:19

Tgt Ion:172 Resp: 654361
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.0 45.0
 170 21.7 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

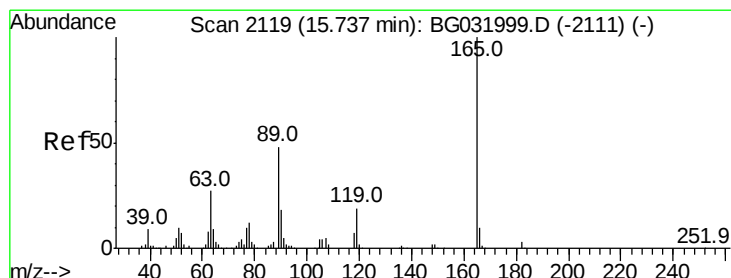
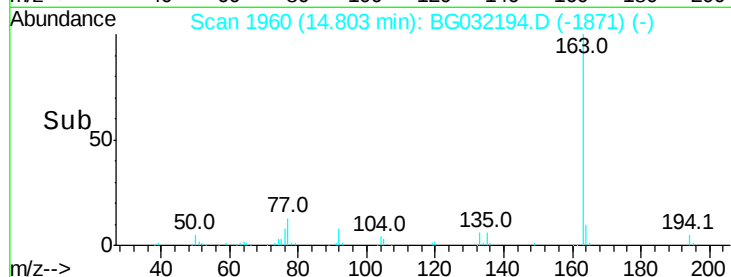
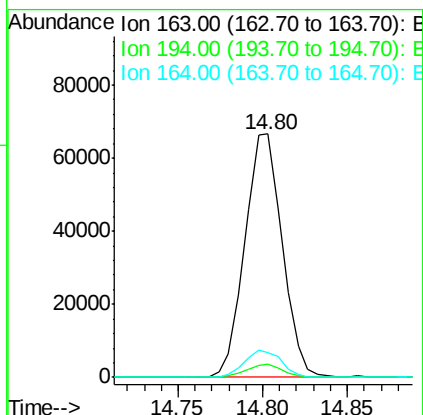
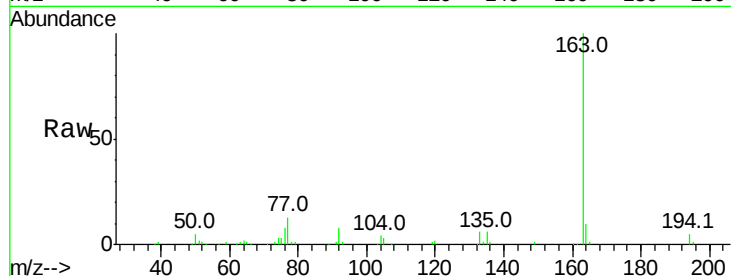




#49
Dimethylphthalate
Concen: 9.454 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

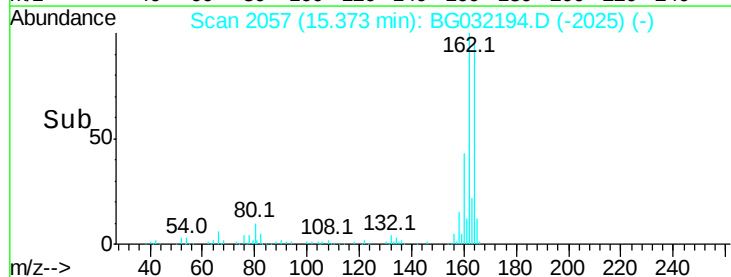
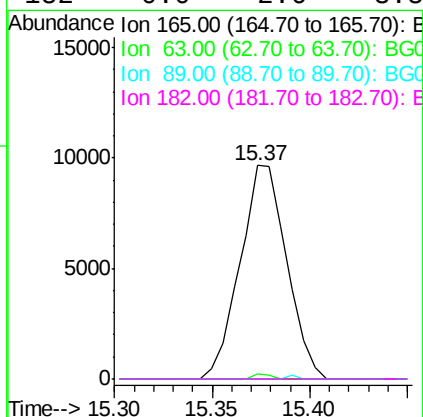
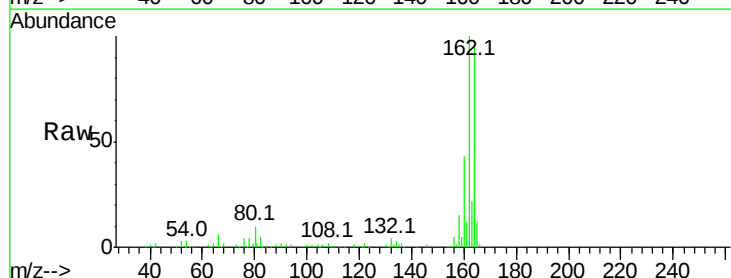
Instrument :
BNA_G
ClientSampled :

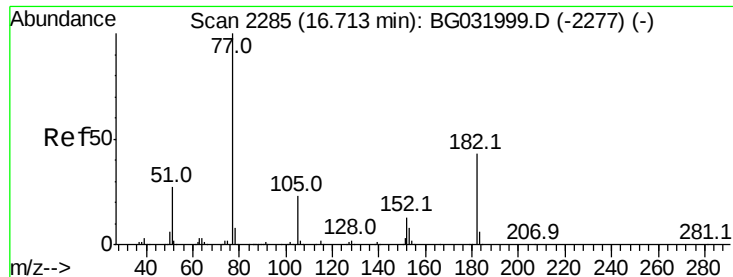
Tot Ion:163 Resp: 102859
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.2#
164 10.2 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 5.250 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.34 min
Lab File: BG032194.D
Acq: 21 Jan 2018 00:19

Tgt Ion:165 Resp: 15963
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#





#62

Azobenzene

Concen: 3.948 ng

RT: 16.71 min Scan# 2284

Delta R.T. 0.02 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 26061

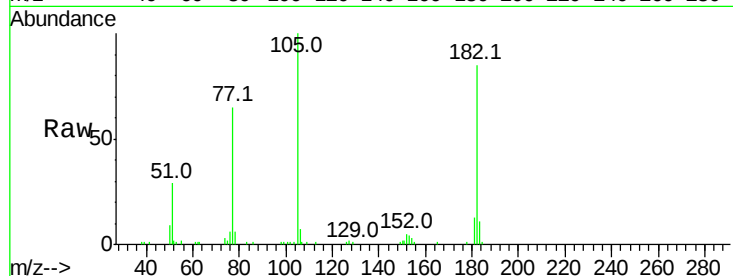
Ion Ratio Lower Upper

77 100

182 132.1 7.4 47.4#

105 154.7 0.3 40.3#

51 44.2 11.6 51.6

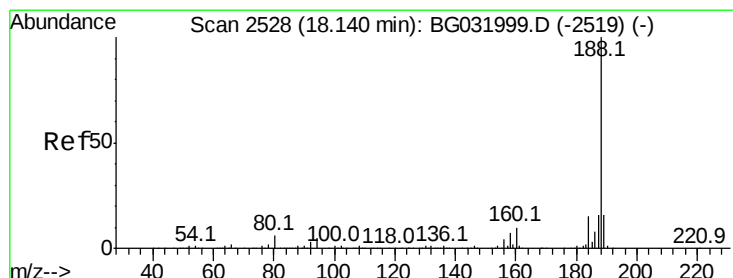
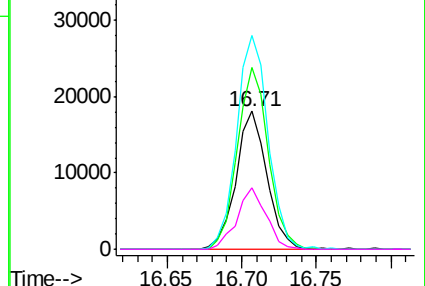
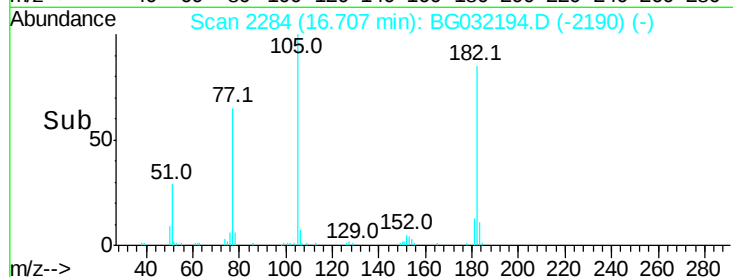


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

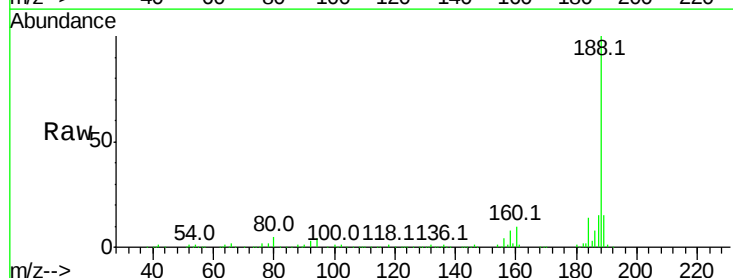
Tgt Ion: 188 Resp: 321392

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

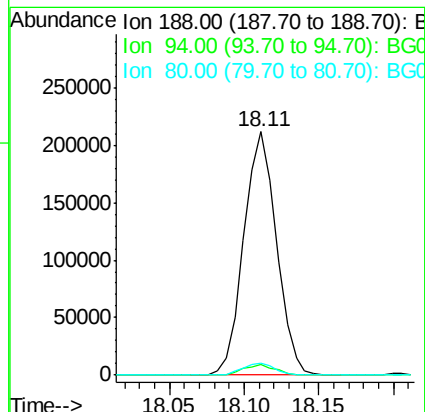
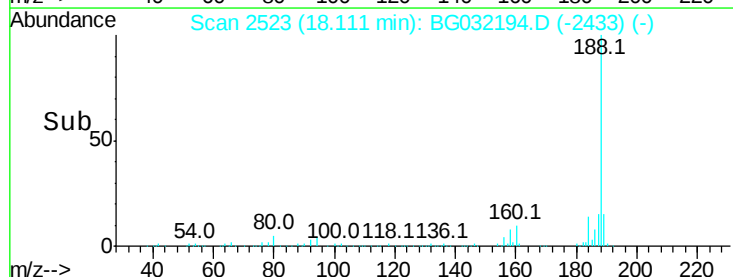
80 5.0 7.7 11.5#

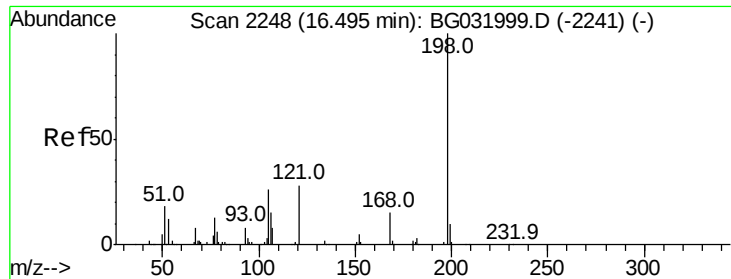


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 5.195 ng

RT: 16.85 min Scan# 2309

Delta R.T. 0.38 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Instrument :

BNA_G

ClientSampled :

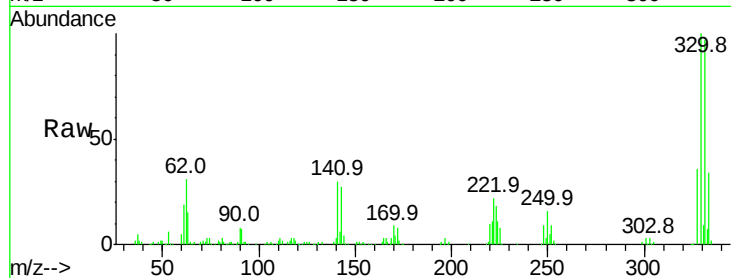
Tot Ion:198 Resp: 711

Ion Ratio Lower Upper

198 100

51 62.8 30.6 70.6

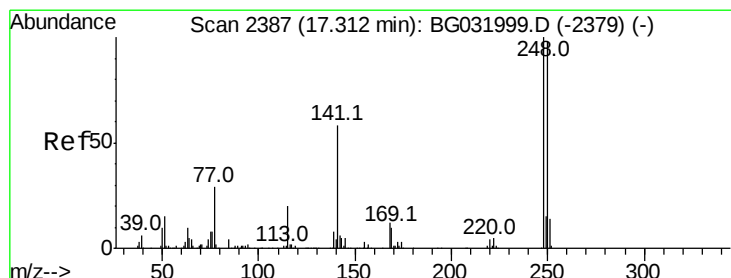
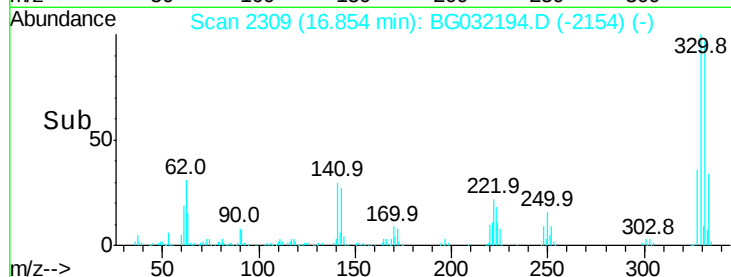
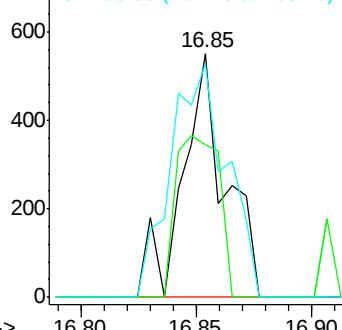
105 96.0 23.8 63.8#



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: 4.415 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.44 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

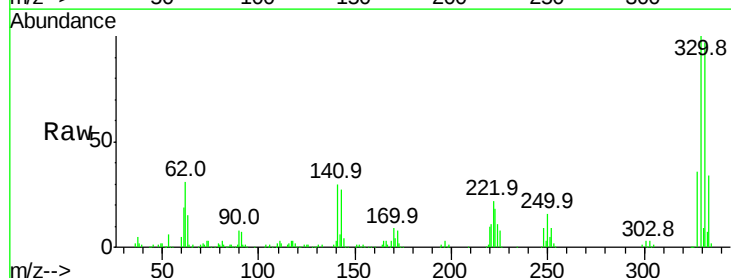
Tgt Ion:248 Resp: 20191

Ion Ratio Lower Upper

248 100

250 188.5 77.1 115.7#

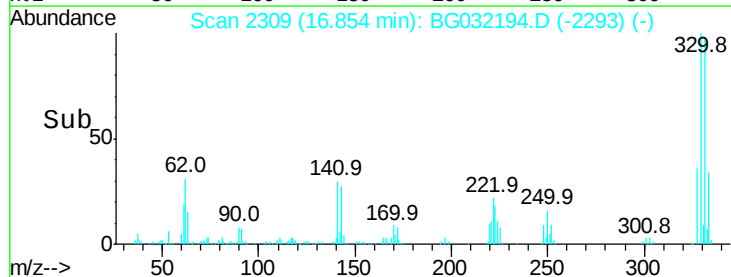
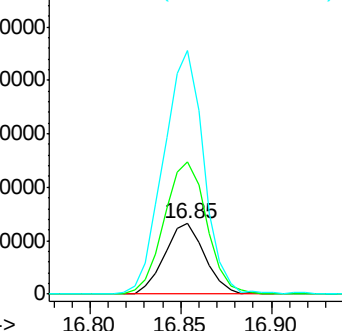
141 345.9 50.8 76.2#

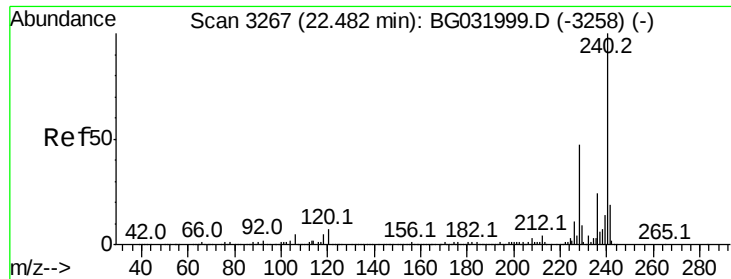


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

Instrument :

BNA_G

ClientSampled :

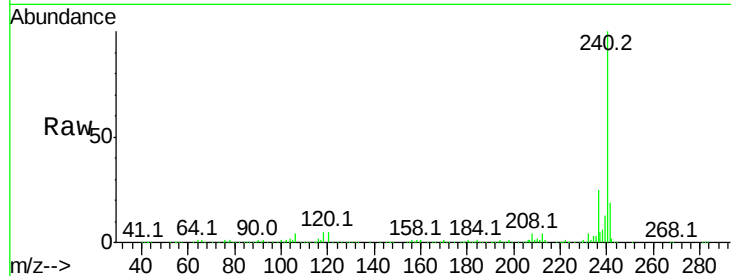
Tot Ion:240 Resp: 422120

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

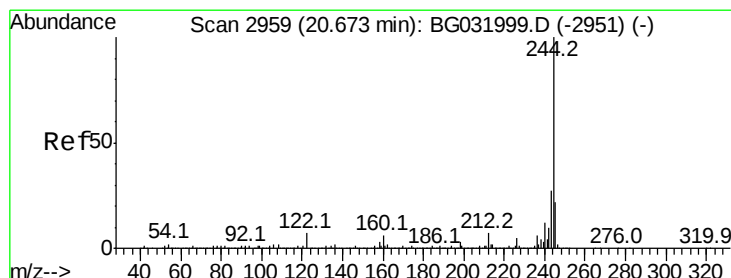
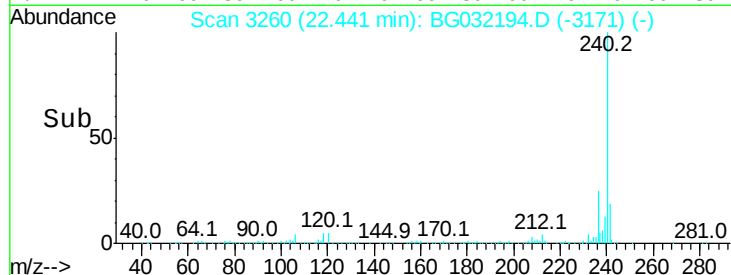
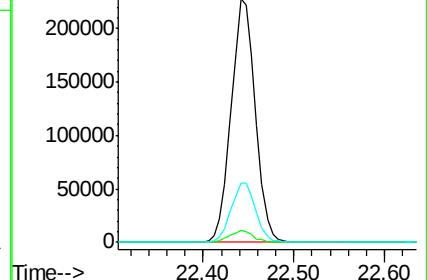
236 24.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 67.938 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032194.D

Acq: 21 Jan 2018 00:19

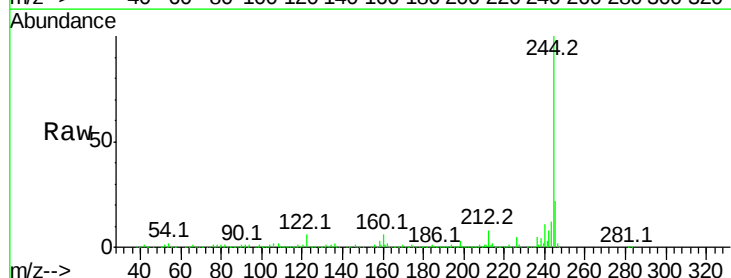
Tgt Ion:244 Resp: 1298787

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

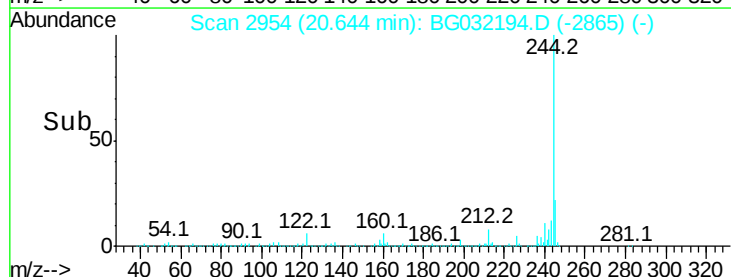
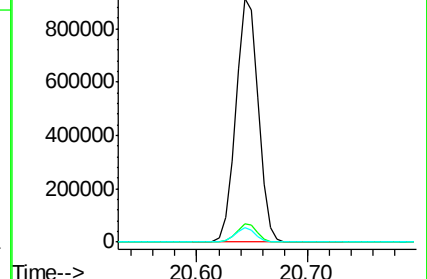
122 5.8 7.0 10.4#

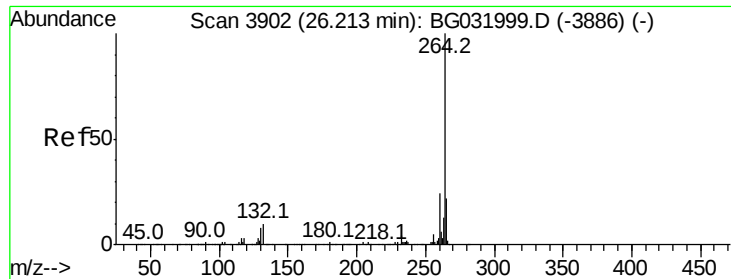


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

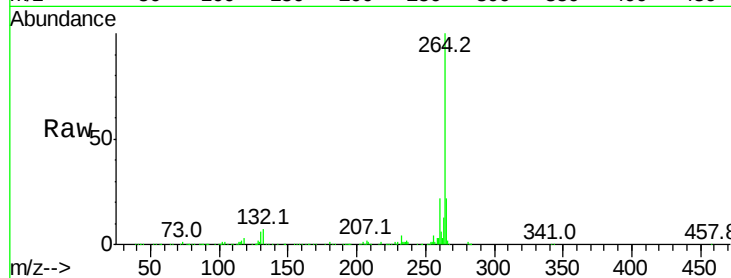




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.14 min Scan# 3890
 Delta R.T. -0.01 min
 Lab File: BG032194.D
 Acq: 21 Jan 2018 00:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	22.5	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

