

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032118.D
 Acq On : 18 Jan 2018 2:05
 Operator : SJ/JU
 Sample : J1021-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:22:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

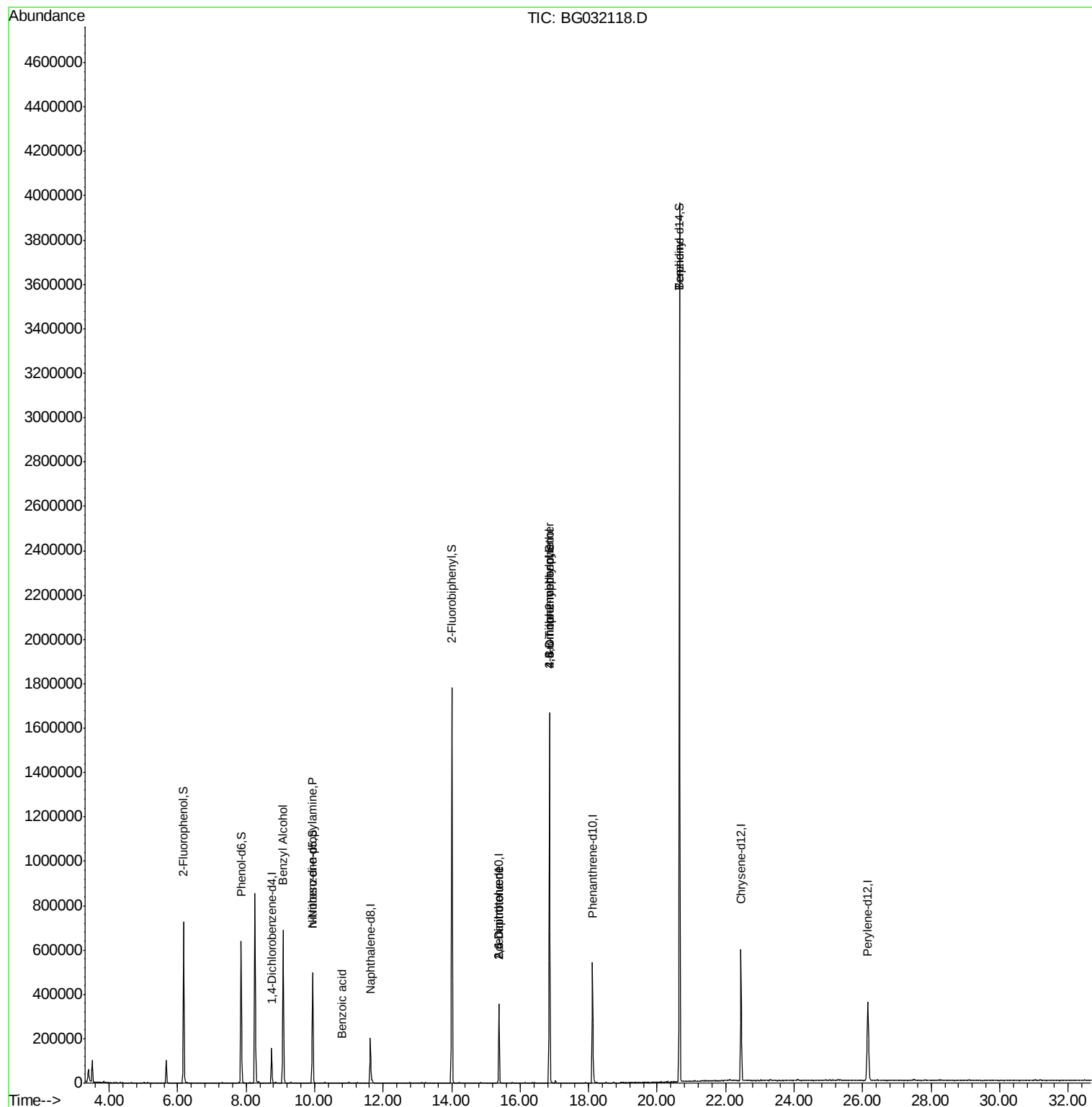
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	53075	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	200606	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	136458	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	377347	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	451819	20.00	ng	-0.03
86) Perylene-d12	26.15	264	479033	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	374686	129.11	ng	-0.02
7) Phenol-d6	7.85	99	413979	113.27	ng	-0.03
23) Nitrobenzene-d5	9.94	82	313896	105.86	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	377288	167.08	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	1069710	97.20	ng	-0.03
78) Terphenyl-d14	20.65	244	2086183	101.95	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.08	79	5716	2.153	ng	# 39
19) n-Nitroso-di-n-propylamine	9.94	70	44306	19.538	ng	# 71
32) Benzoic acid	10.80	122	68	5.283	ng	# 28
50) 2,6-Dinitrotoluene	15.38	165	17381	7.012	ng	# 20
56) 2,4-Dinitrotoluene	15.38	165	17381	5.209	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.86	198	1026	5.266	ng	# 30
66) 4-Bromophenyl-phenylether	16.86	248	31572	5.880	ng	# 1
76) Benzidine	20.65	184	29506	2.612	ng	# 93

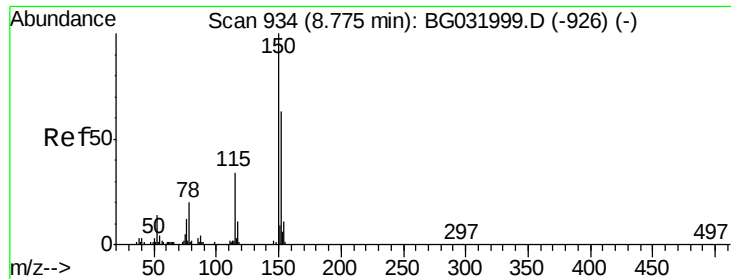
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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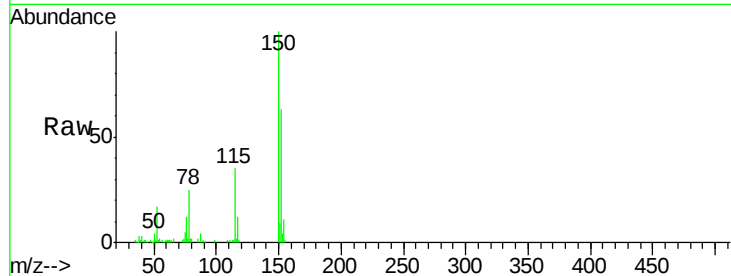


#1

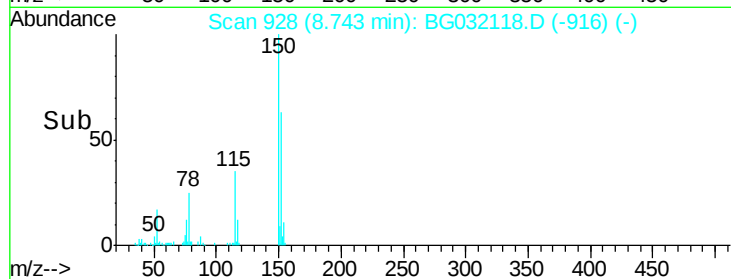
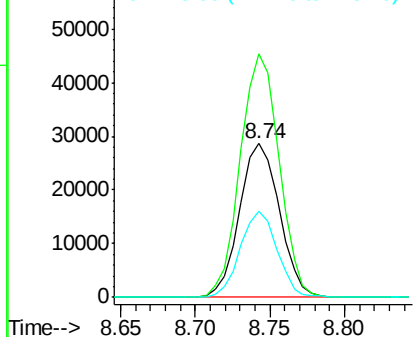
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032118.D
Acq: 18 Jan 2018 2:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53075
Ion Ratio Lower Upper
152 100
150 158.4 126.6 189.8
115 56.1 53.0 79.4



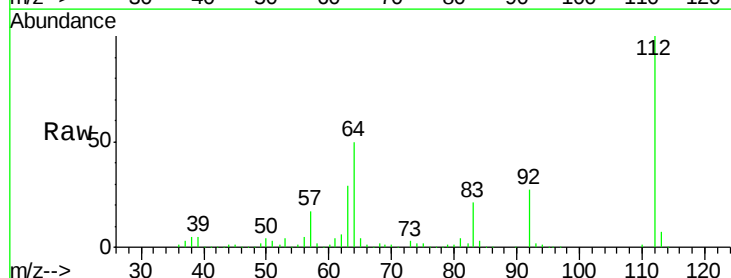
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



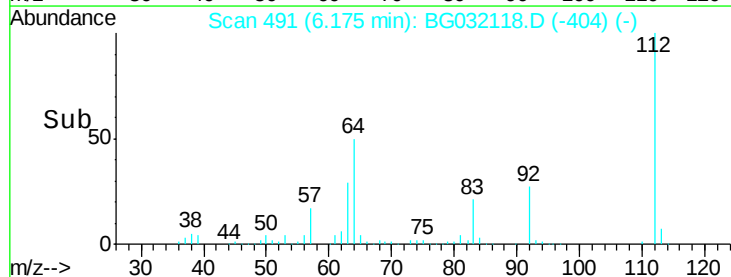
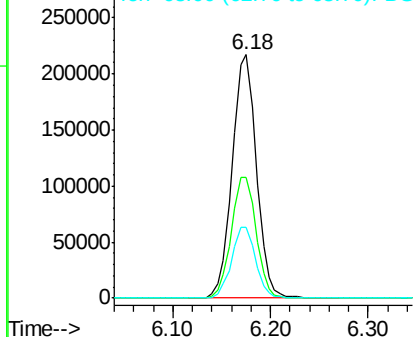
#5

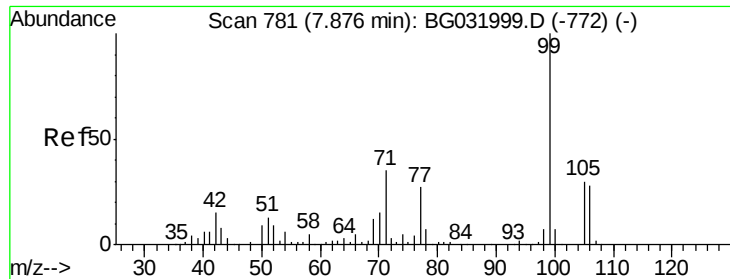
2-Fluorophenol
Concen: 129.115 ng
RT: 6.18 min Scan# 491
Delta R.T. -0.02 min
Lab File: BG032118.D
Acq: 18 Jan 2018 2:05

Tgt Ion:112 Resp: 374686
Ion Ratio Lower Upper
112 100
64 49.6 56.3 84.5#
63 29.1 30.1 45.1#



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





#7

Phenol-d6

Concen: 113.269 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

Instrument :

BNA_G

ClientSampleId :

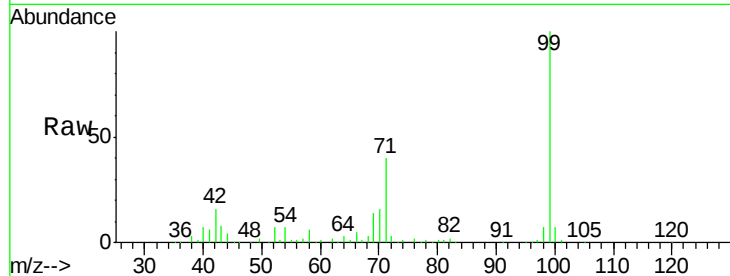
Tot Ion: 99 Resp: 413979

Ion Ratio Lower Upper

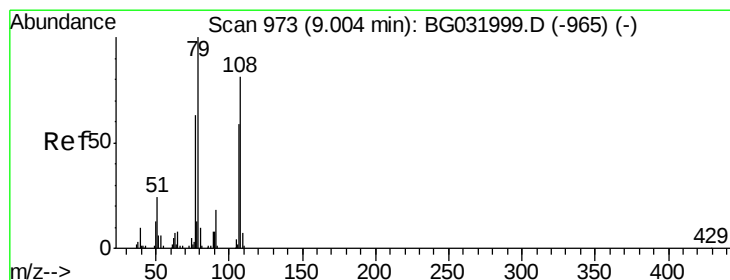
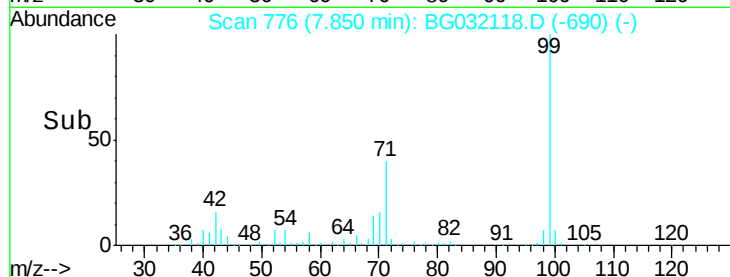
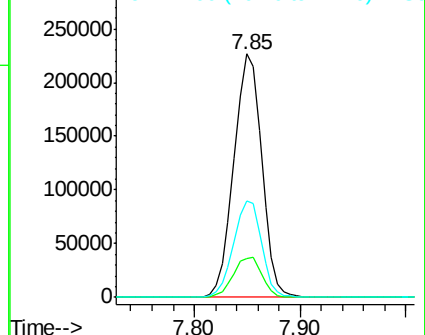
99 100

42 15.8 14.1 21.1

71 39.6 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: 2.153 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.07 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

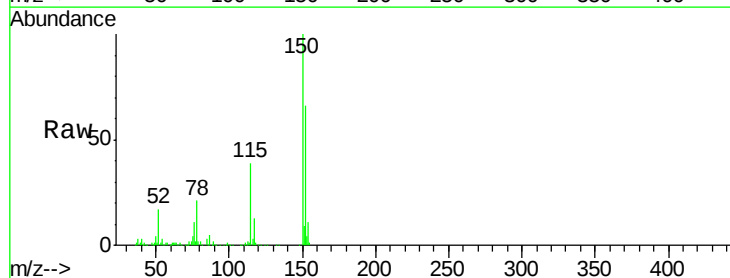
Tgt Ion: 79 Resp: 5716

Ion Ratio Lower Upper

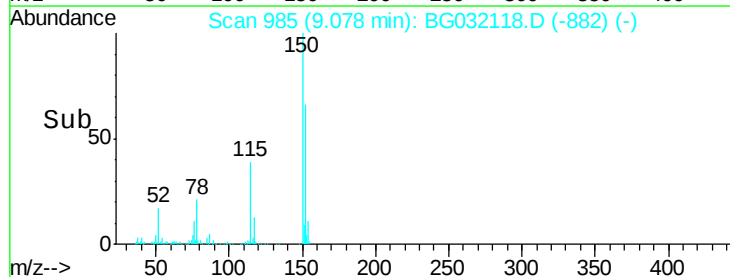
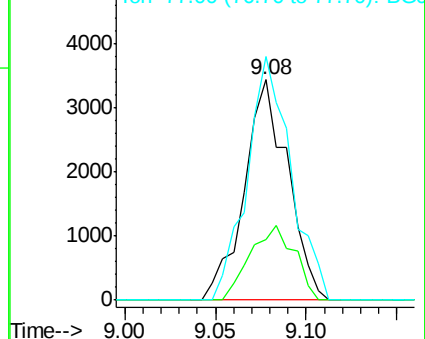
79 100

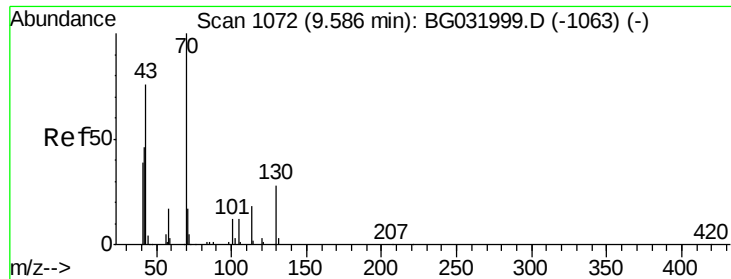
108 27.7 57.2 85.8#

77 110.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

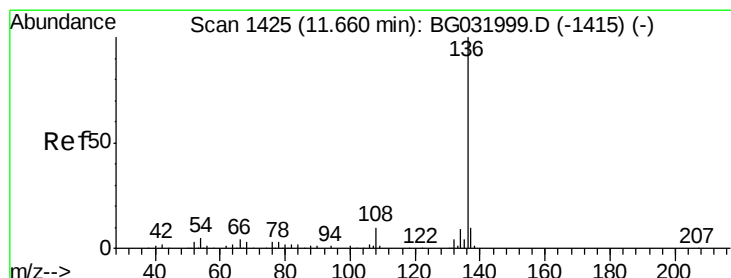
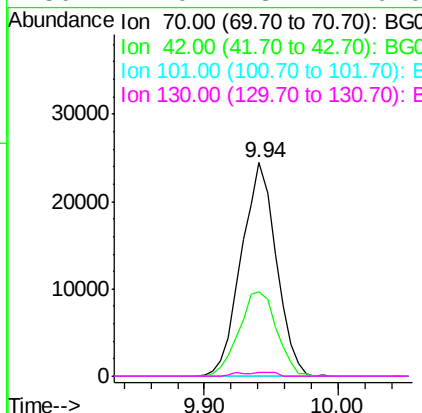
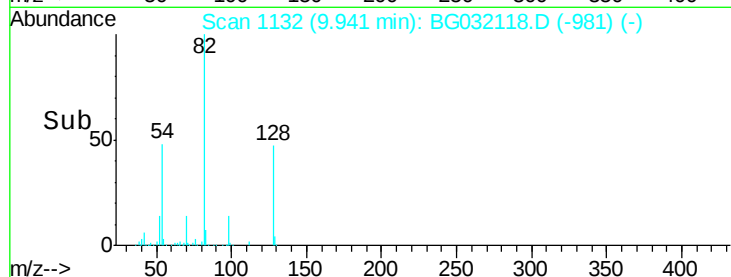
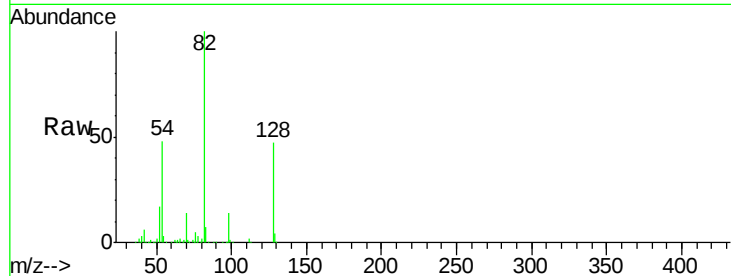




#19
n-Nitroso-di-n-propylamine
Concen: 19.538 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.36 min
Lab File: BG032118.D
Acq: 18 Jan 2018 2:05

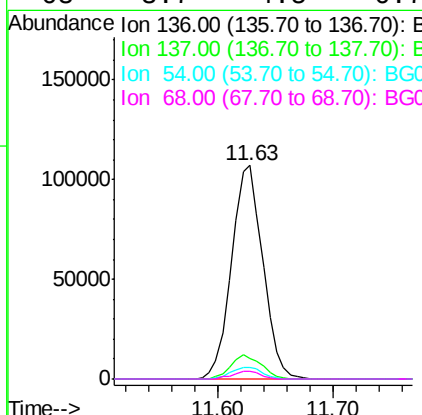
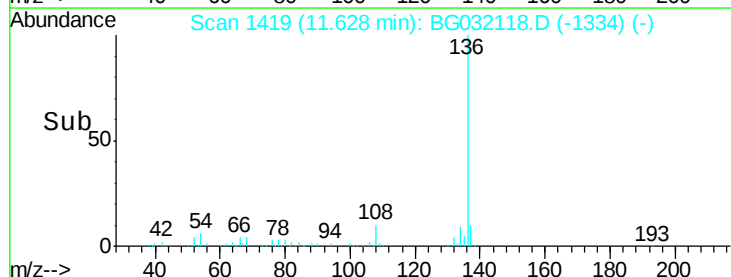
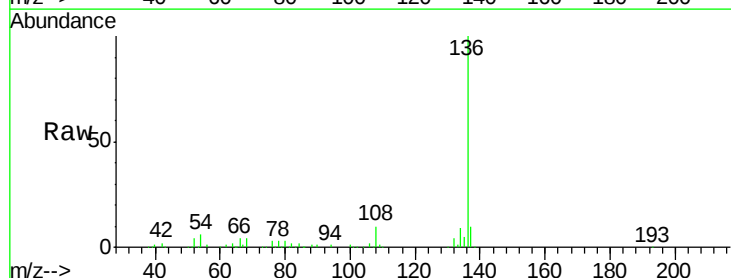
Instrument :
BNA_G
ClientSampleId :

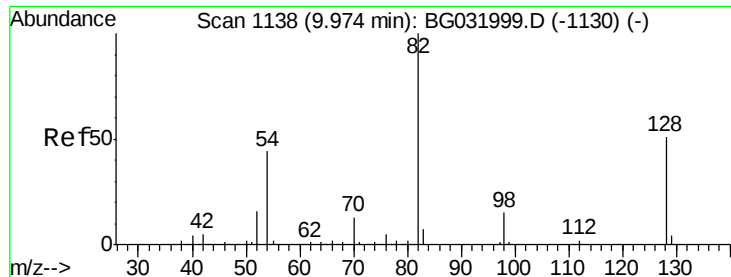
Tot Ion: 70 Resp: 44306
Ion Ratio Lower Upper
70 100
42 39.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032118.D
Acq: 18 Jan 2018 2:05

Tgt Ion: 136 Resp: 200606
Ion Ratio Lower Upper
136 100
137 9.8 9.2 13.8
54 5.5 10.3 15.5#
68 3.7 4.5 6.7#

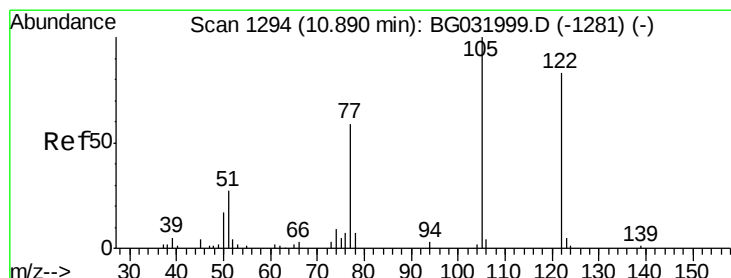
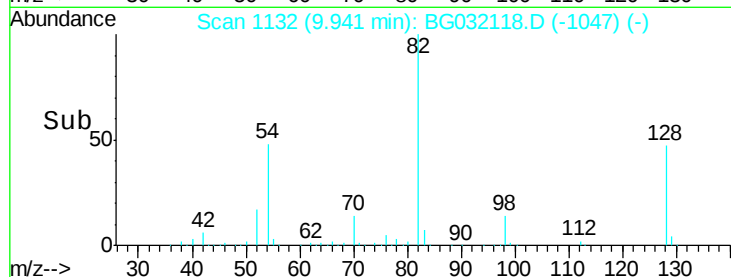
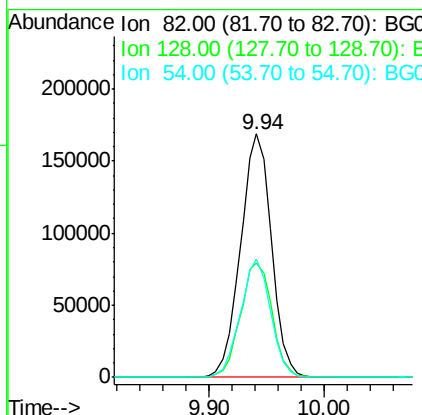
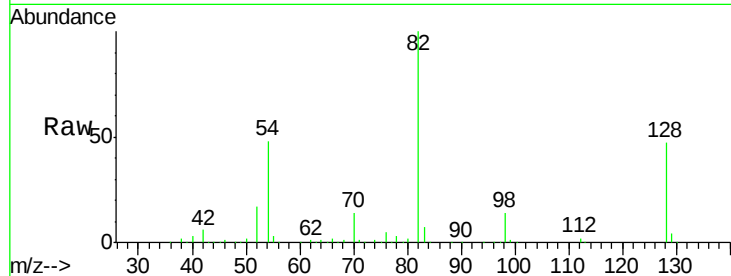




#23
 Nitrobenzene-d5
 Concen: 105.861 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

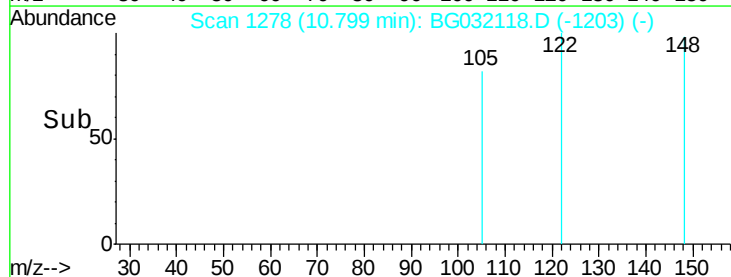
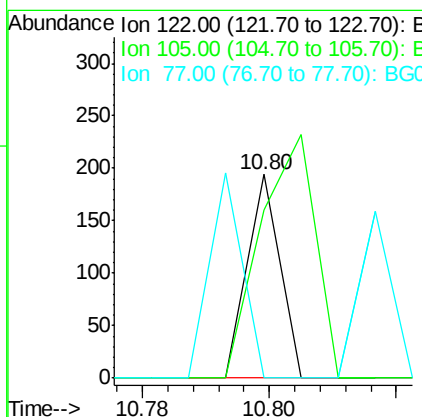
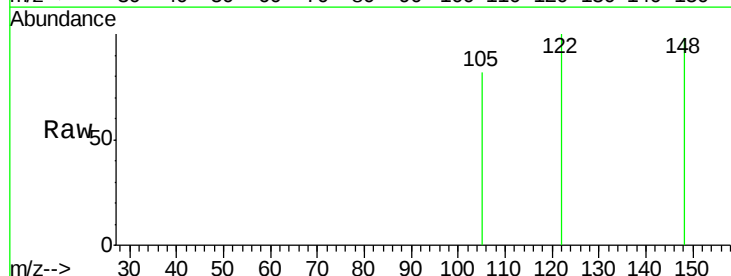
Instrument :
 BNA_G
 ClientSampled :

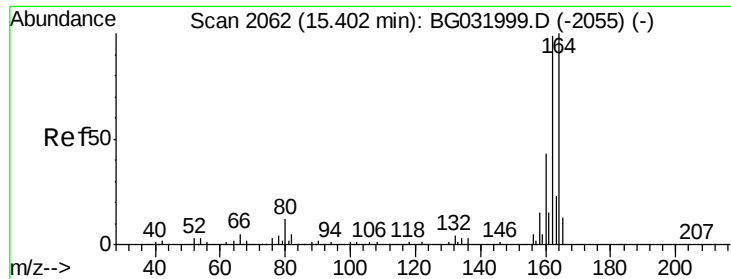
Tot Ion	82	Resp	313896
Ion Ratio	100	Lower	Upper
128	47.0	29.7	44.5#
54	48.5	43.1	64.7



#32
 Benzoic acid
 Concen: 5.283 ng
 RT: 10.80 min Scan# 1278
 Delta R.T. -0.09 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

Tgt Ion	122	Resp	68
Ion Ratio	100	Lower	Upper
105	82.5	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

Instrument :

BNA_G

ClientSampleId :

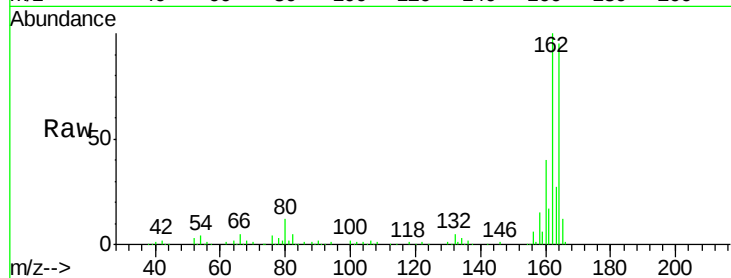
Tot Ion:164 Resp: 136458

Ion Ratio Lower Upper

164 100

162 105.7 78.8 118.2

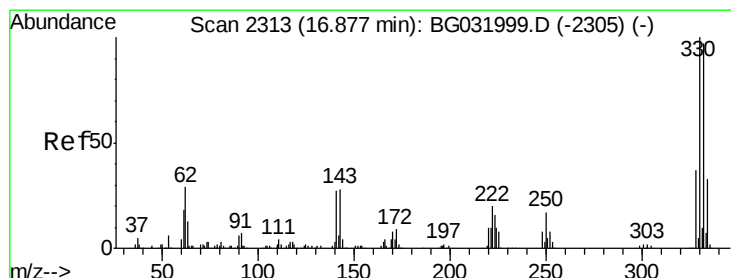
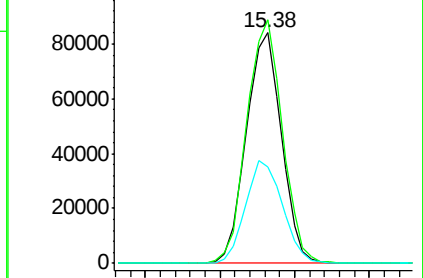
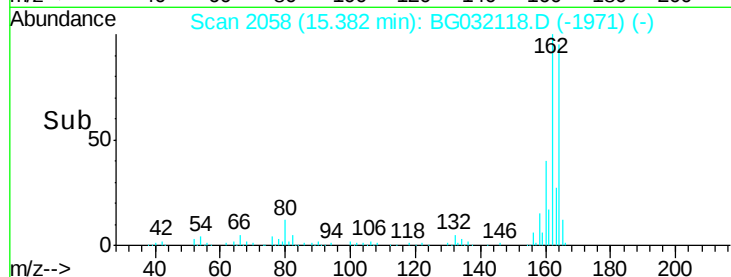
160 42.0 35.4 53.0



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: 167.085 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

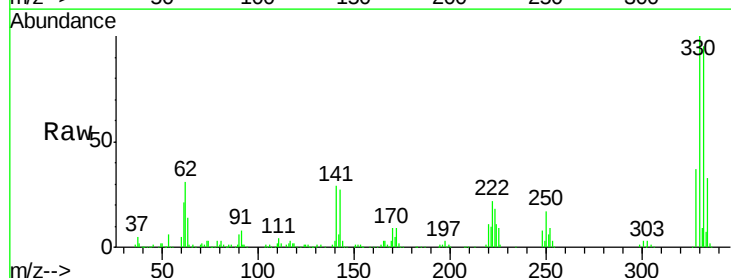
Tgt Ion:330 Resp: 377288

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

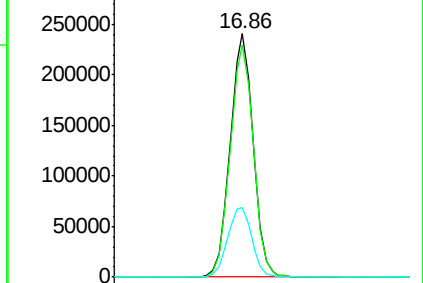
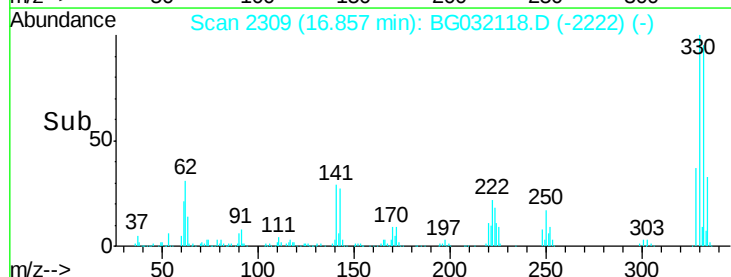
141 29.9 25.2 37.8

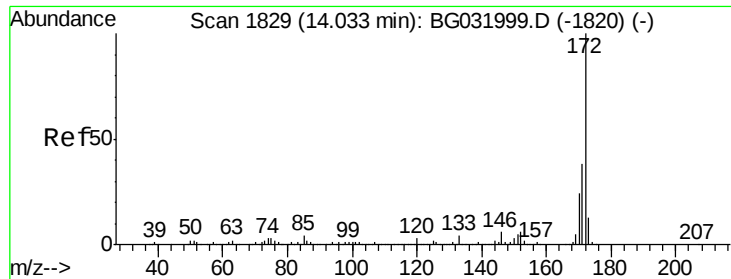


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



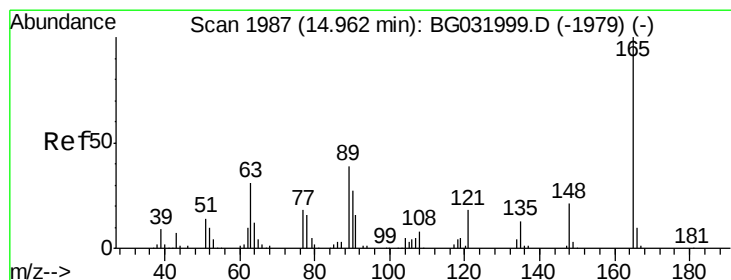
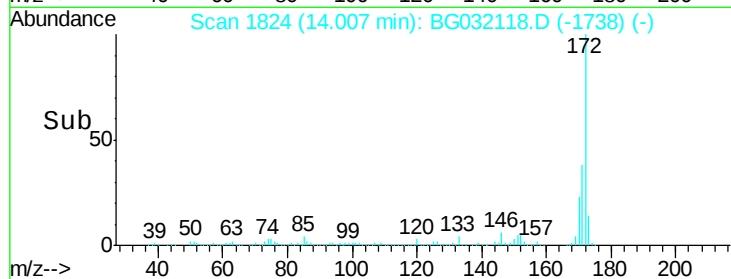
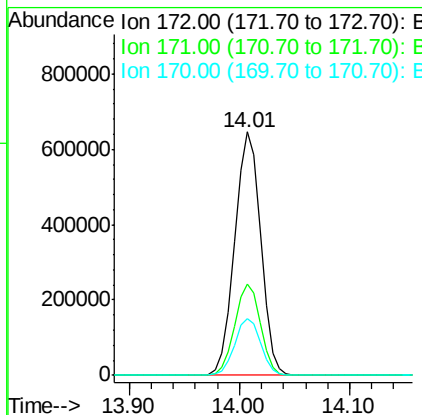
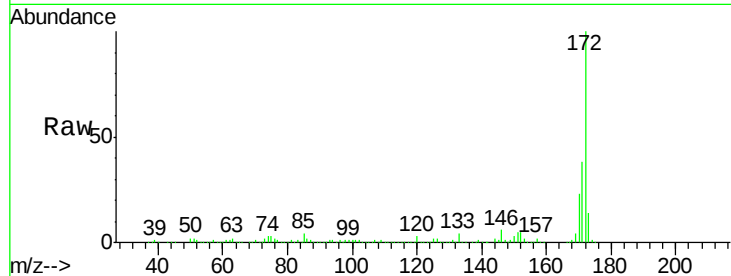


#44
 2-Fluorobiphenyl
 Concen: 97.201 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.03 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1069710

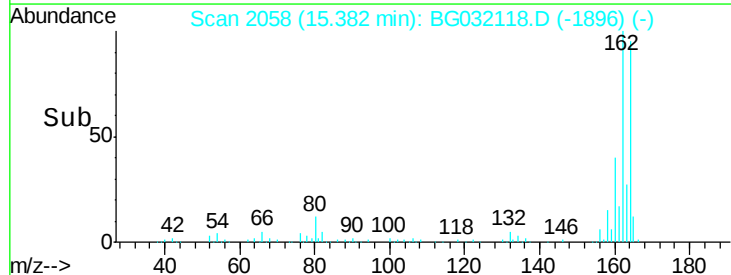
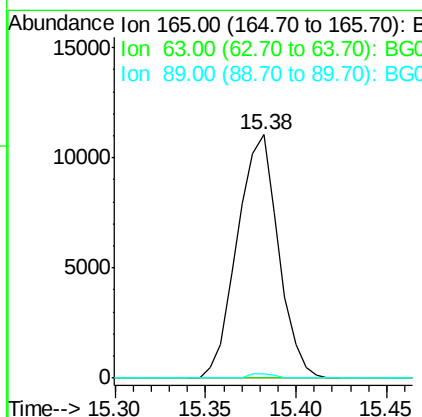
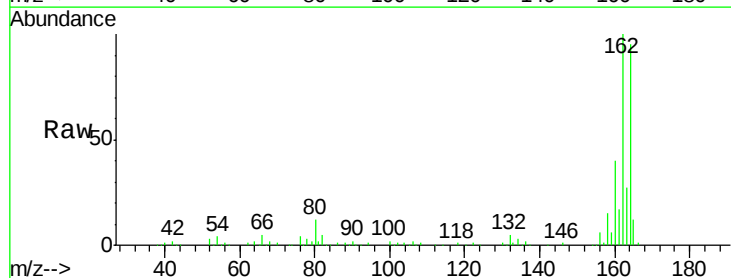
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	23.3	19.5	29.3

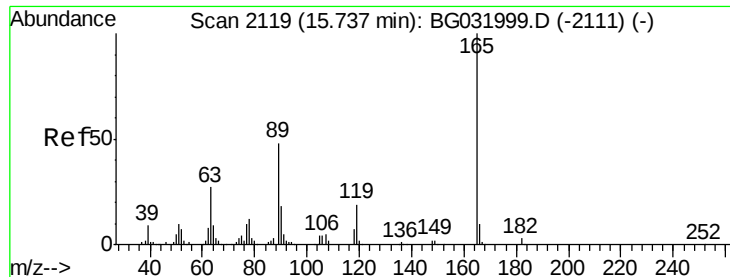


#50
 2,6-Dinitrotoluene
 Concen: 7.012 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.42 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

Tgt Ion:165 Resp: 17381

Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.9	49.2	73.8#

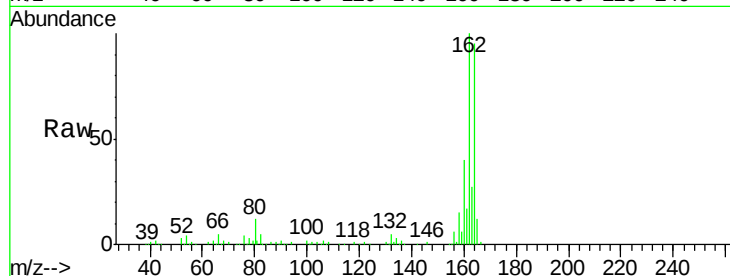




#56
 2,4-Dinitrotoluene
 Concen: 5.209 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.36 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#

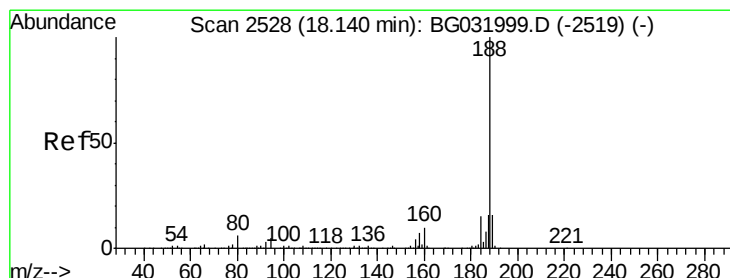
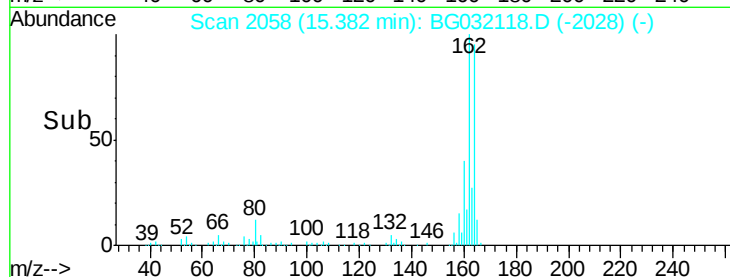
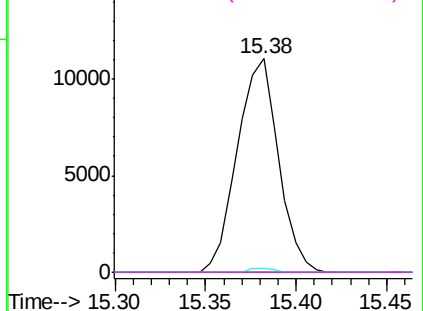


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

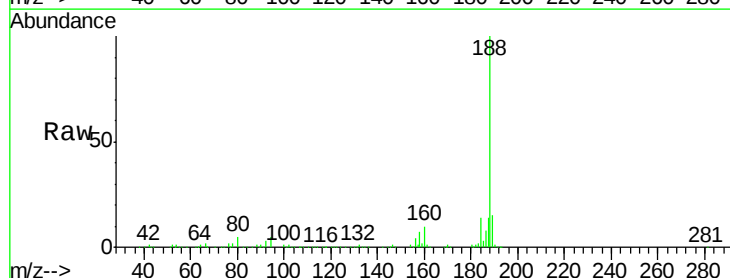
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.03 min
 Lab File: BG032118.D
 Acq: 18 Jan 2018 2:05

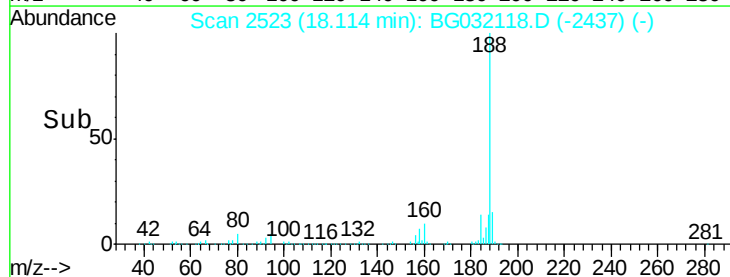
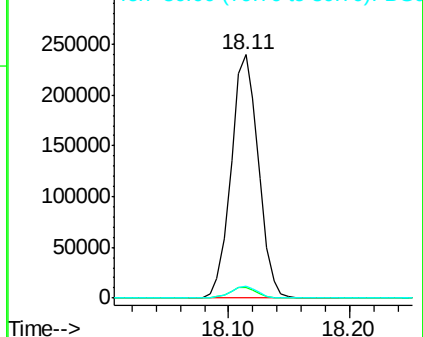
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	4.7	7.7	11.5#

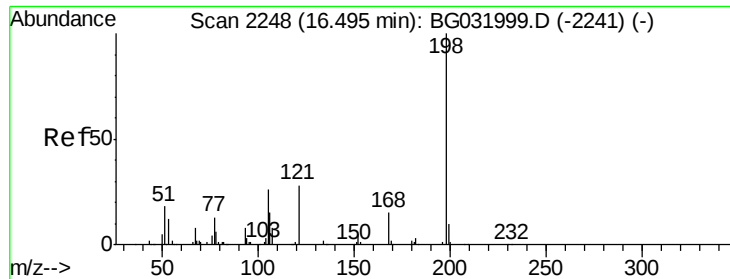


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.266 ng

RT: 16.86 min Scan# 2309

Delta R.T. 0.36 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

Instrument :

BNA_G

ClientSampleId :

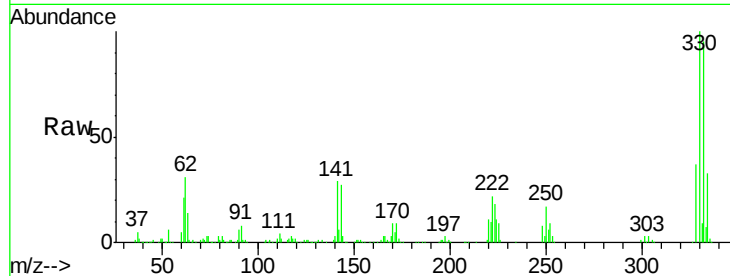
Tot Ion:198 Resp: 1026

Ion Ratio Lower Upper

198 100

51 68.0 30.6 70.6

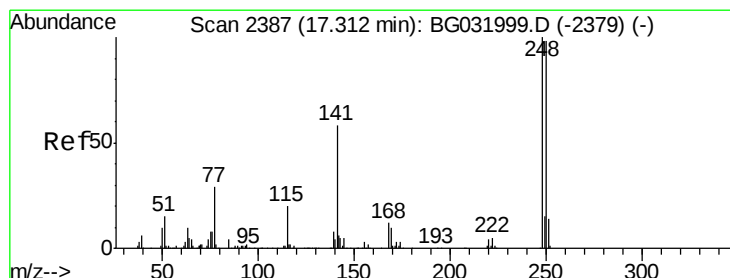
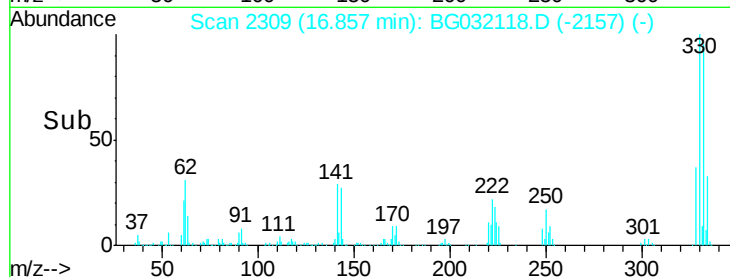
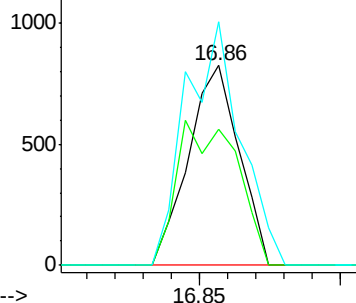
105 122.0 23.8 63.8#



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: 5.880 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.46 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

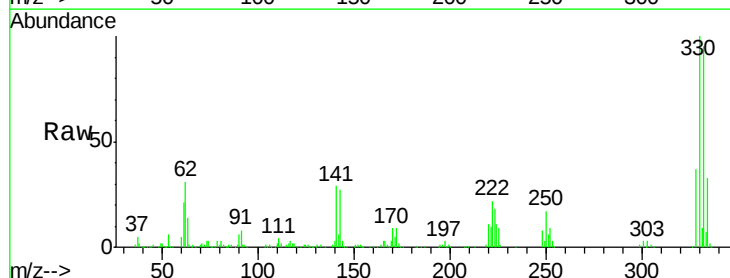
Tgt Ion:248 Resp: 31572

Ion Ratio Lower Upper

248 100

250 194.6 77.1 115.7#

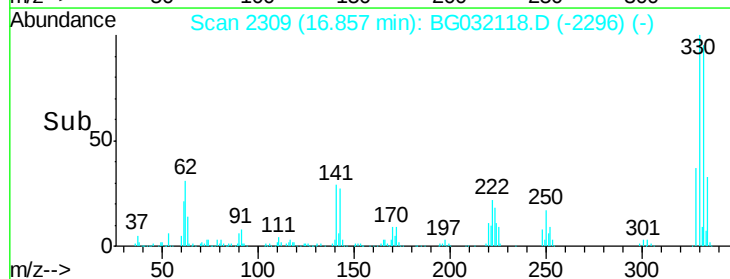
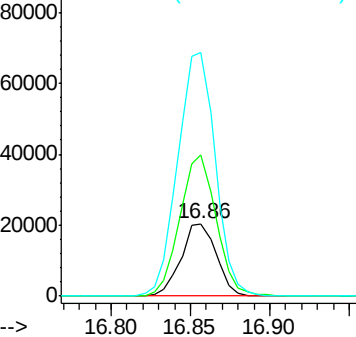
141 335.8 50.8 76.2#

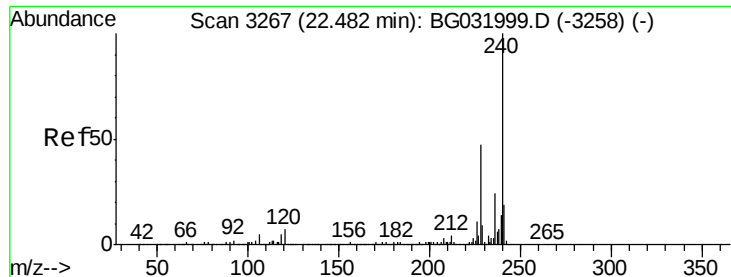


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.45 min Scan# 3261

Delta R.T. -0.03 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

Instrument :

BNA_G

ClientSampleId :

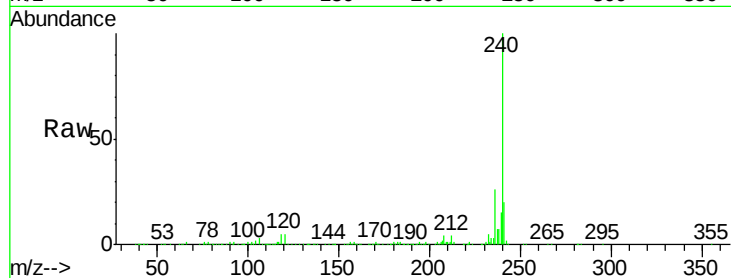
Tot Ion:240 Resp: 451819

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

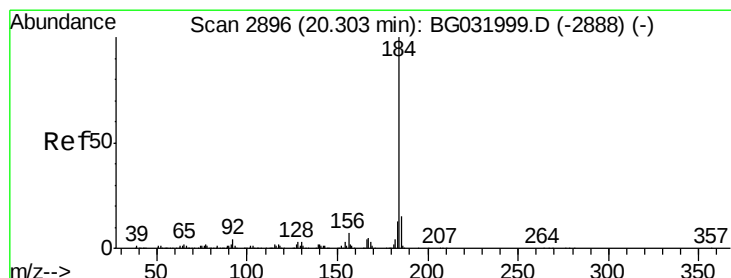
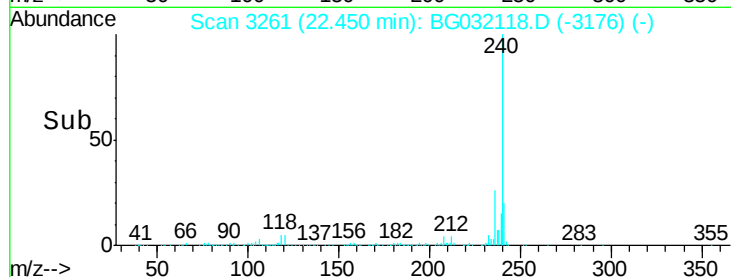
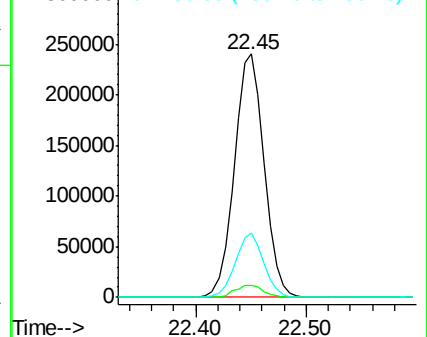
236 26.3 20.9 31.3



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: 2.612 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.35 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

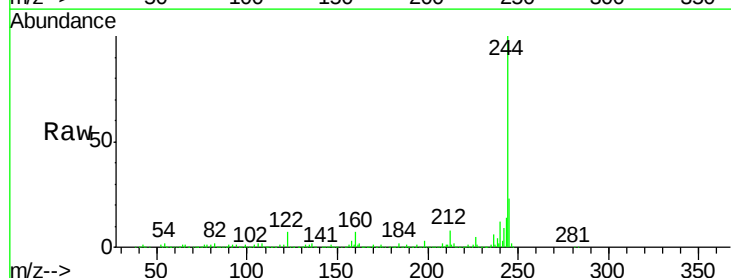
Tgt Ion:184 Resp: 29506

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

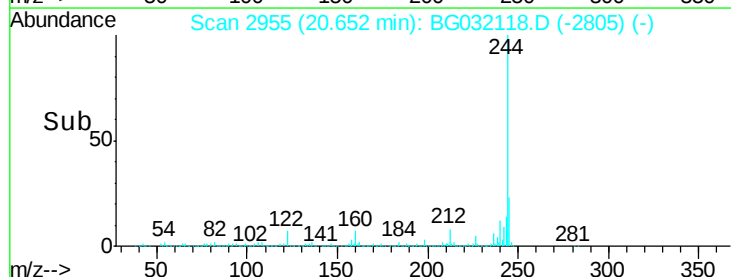
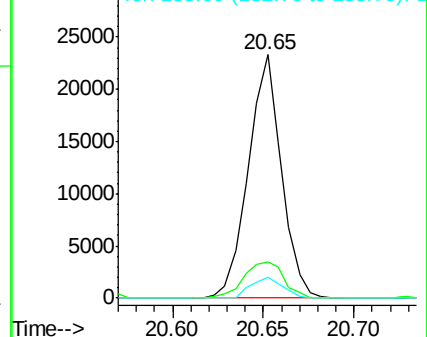
183 8.5 10.6 16.0#

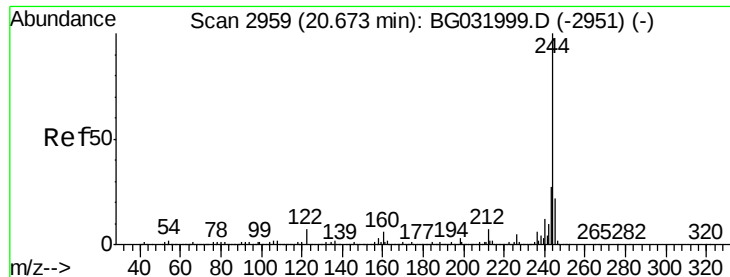


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.952 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

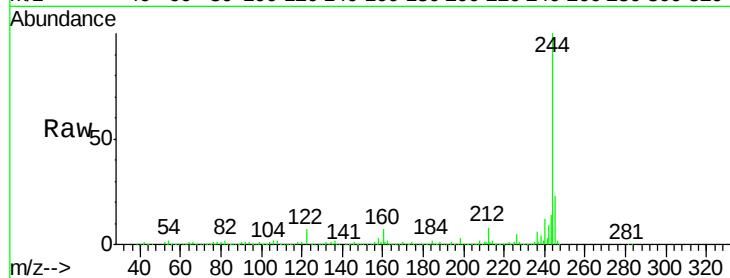
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2086183

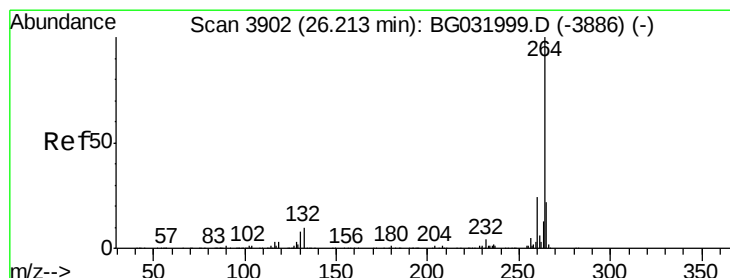
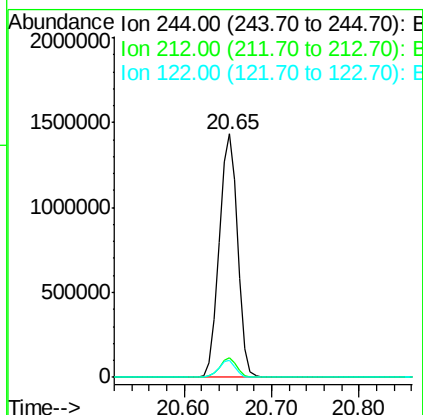
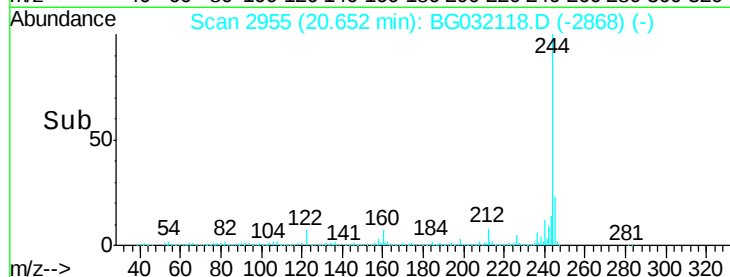
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	6.8	7.0	10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.15 min Scan# 3891

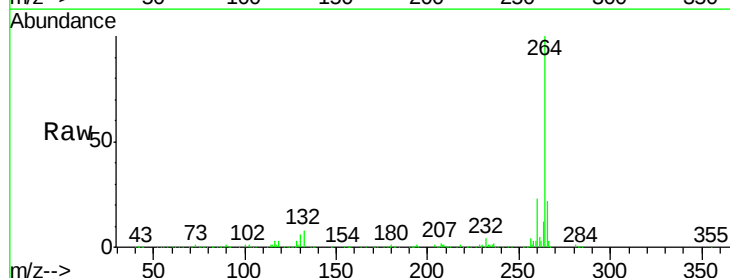
Delta R.T. -0.06 min

Lab File: BG032118.D

Acq: 18 Jan 2018 2:05

Tgt Ion:264 Resp: 479033

Ion	Ratio	Lower	Upper
264	100		
260	23.0	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

