

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032117.D
 Acq On : 18 Jan 2018 1:28
 Operator : SJ/JU
 Sample : PB105730TB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:22:06 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

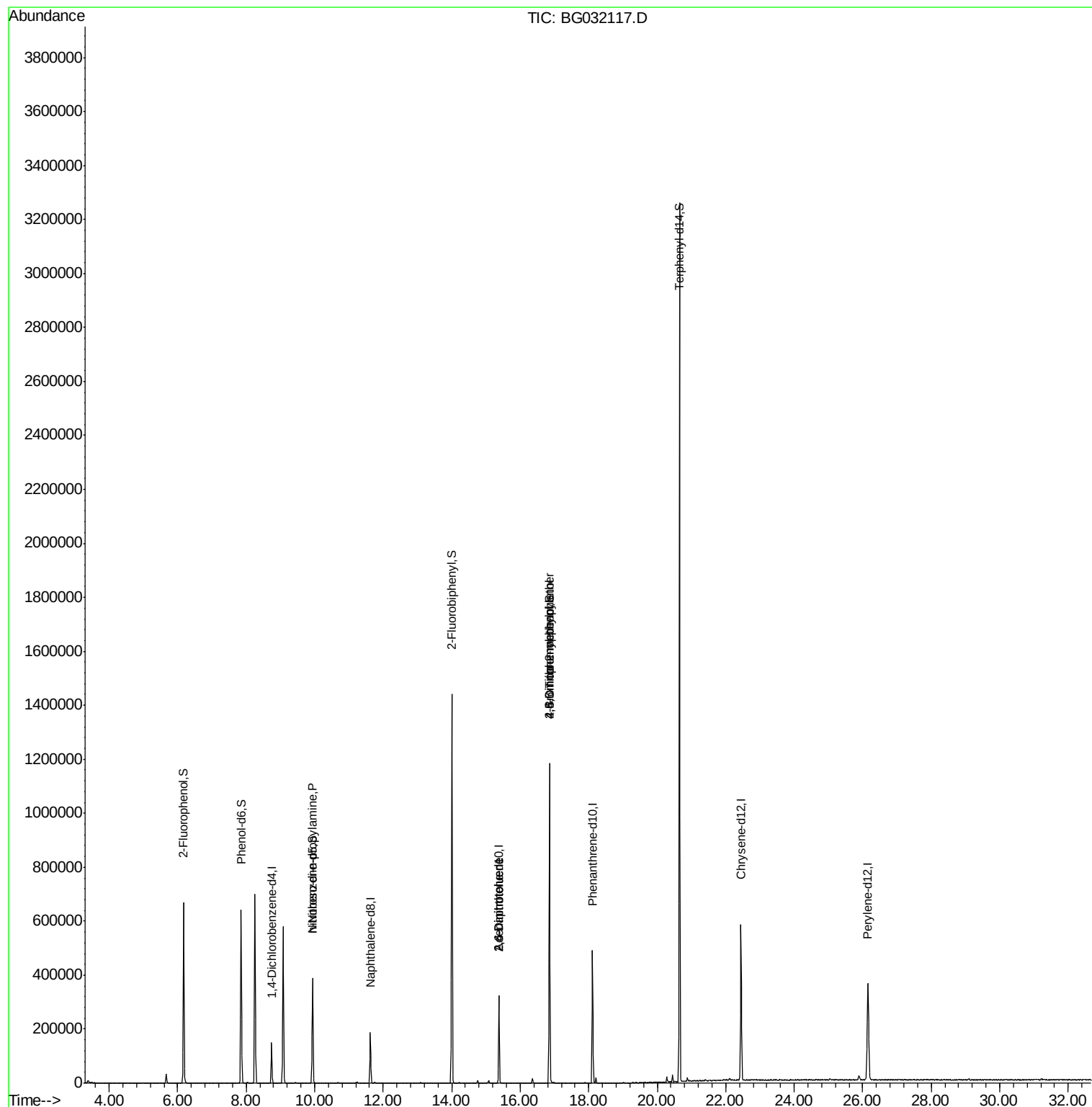
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	50405	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	190826	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	124234	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	342056	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	449040	20.00	ng	-0.03
86) Perylene-d12	26.16	264	472781	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	344739	125.09	ng	-0.02
7) Phenol-d6	7.85	99	413697	119.19	ng	-0.03
23) Nitrobenzene-d5	9.94	82	245308	86.97	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	273415	133.00	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	828508	82.69	ng	-0.03
78) Terphenyl-d14	20.65	244	1687472	82.98	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	32847	15.252	ng	# 74
50) 2,6-Dinitrotoluene	15.38	165	17383	7.703	ng	# 18
56) 2,4-Dinitrotoluene	15.38	165	17383	5.722	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.86	198	811	5.217	ng	# 70
66) 4-Bromophenyl-phenylether	16.86	248	22354	4.593	ng	# 1

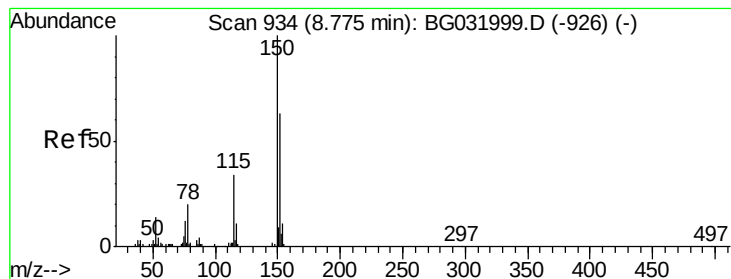
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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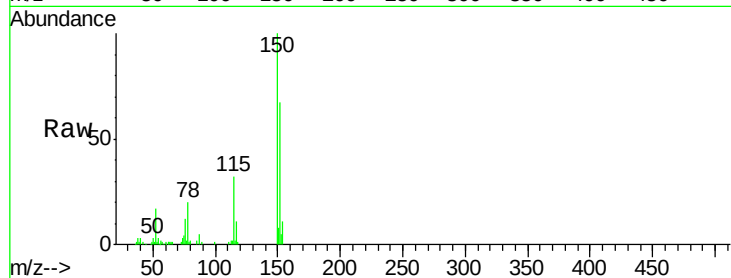




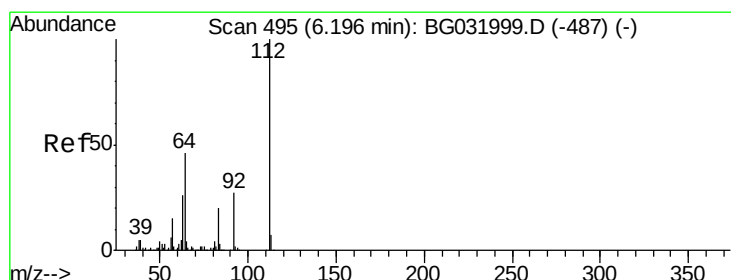
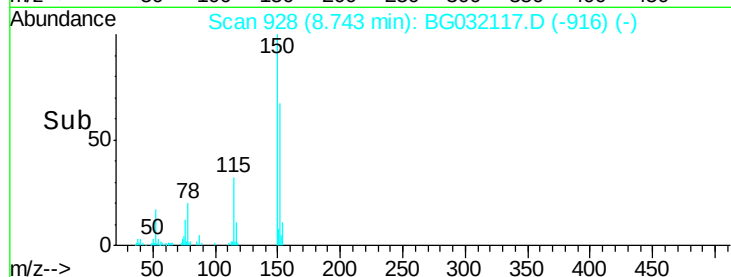
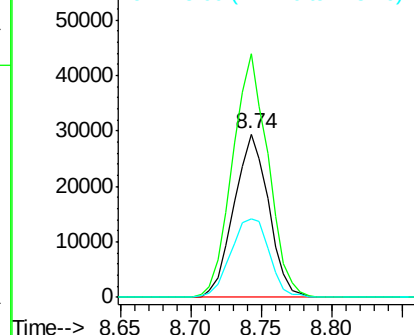
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.74 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: BG032117.D
 Acq: 18 Jan 2018 1:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	126.6	189.8
115	48.0	53.0	79.4

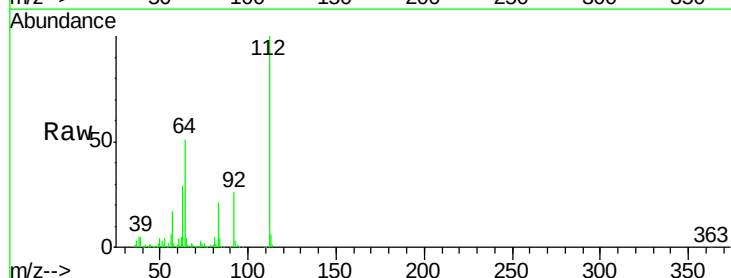


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

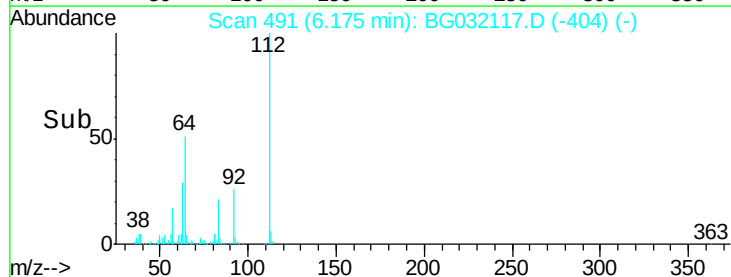
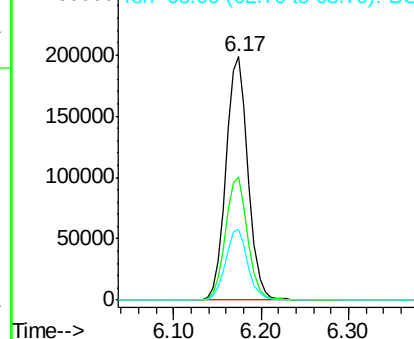


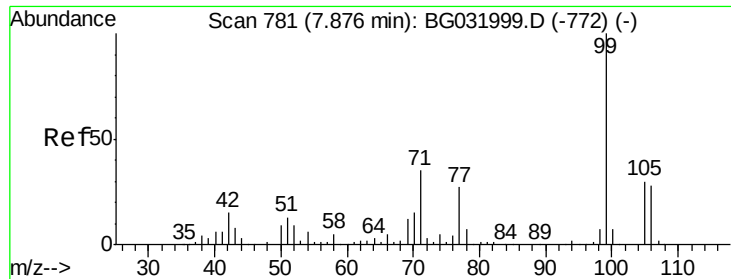
#5
 2-Fluorophenol
 Concen: 125.088 ng
 RT: 6.17 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BG032117.D
 Acq: 18 Jan 2018 1:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	56.3	84.5
63	29.0	30.1	45.1



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





#7

Phenol-d6

Concen: 119.187 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

Instrument :

BNA_G

ClientSampleId :

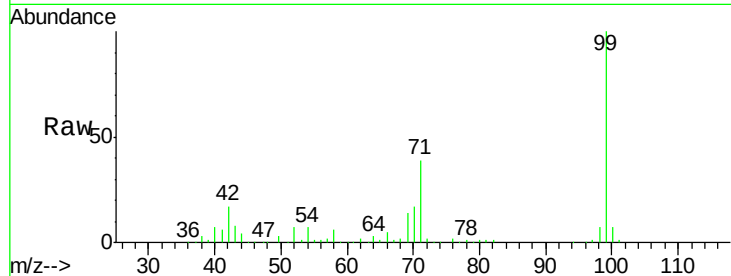
Tot Ion: 99 Resp: 413697

Ion Ratio Lower Upper

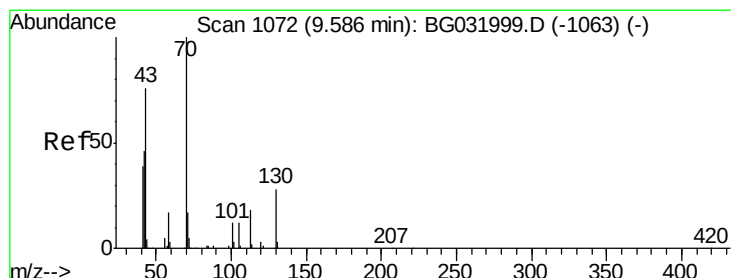
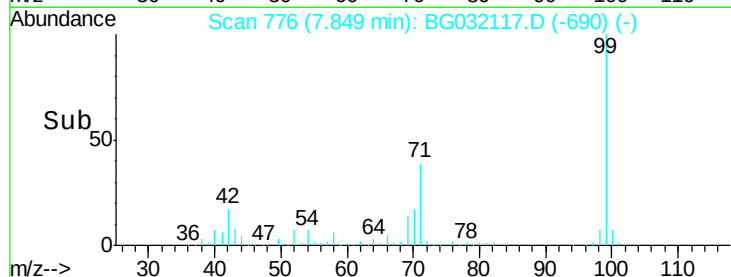
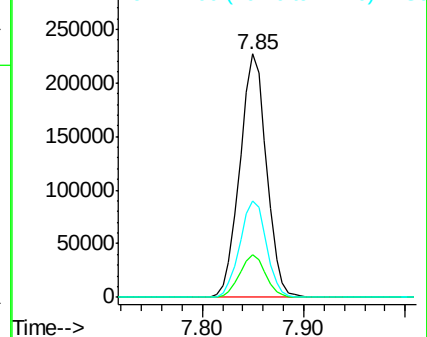
99 100

42 17.4 14.1 21.1

71 39.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.252 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.36 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

Tgt Ion: 70 Resp: 32847

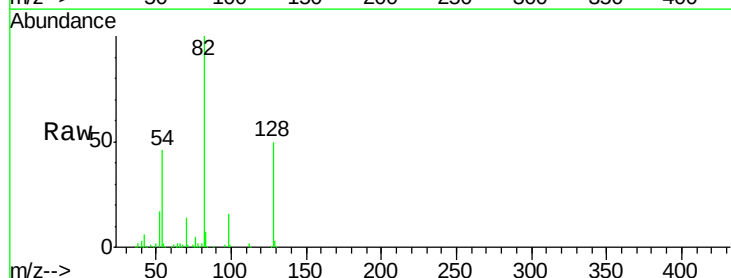
Ion Ratio Lower Upper

70 100

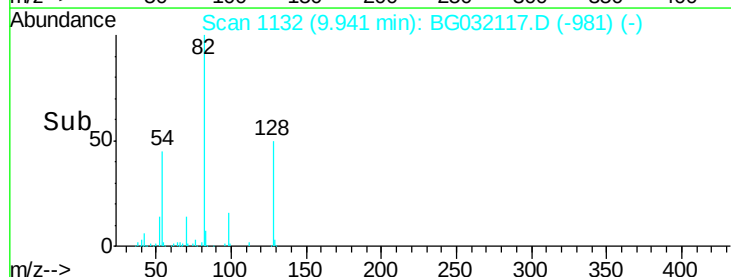
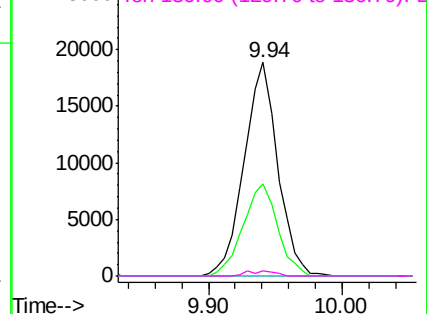
42 43.5 49.1 73.7#

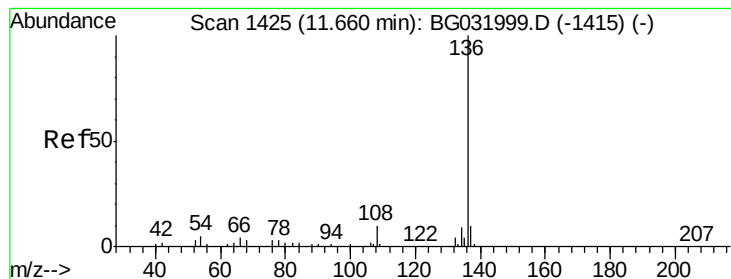
101 0.0 8.5 12.7#

130 2.5 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# 1418

Delta R.T. -0.04 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 190826

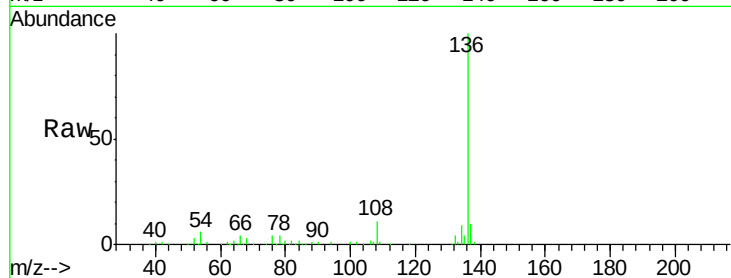
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 5.5 10.3 15.5#

68 3.2 4.5 6.7#

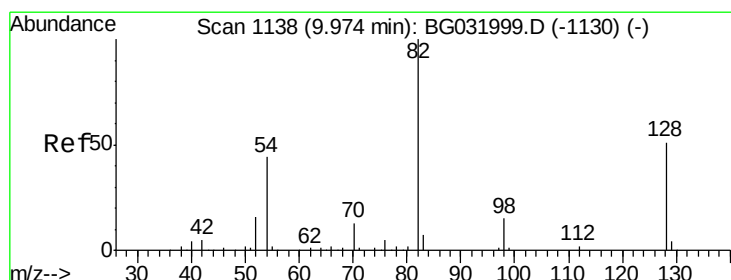
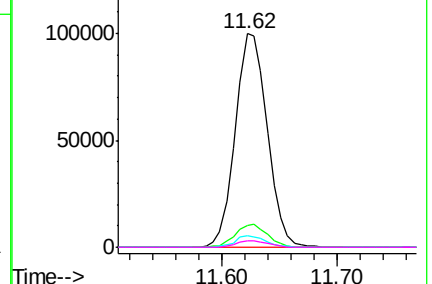
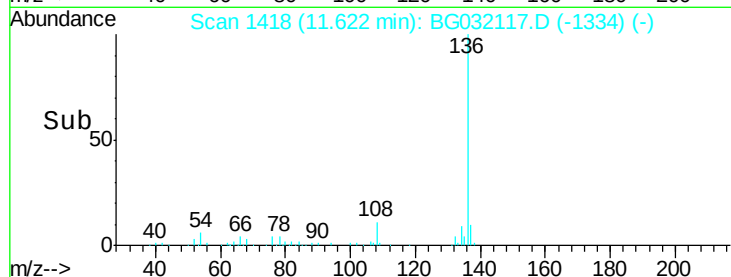


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 86.970 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

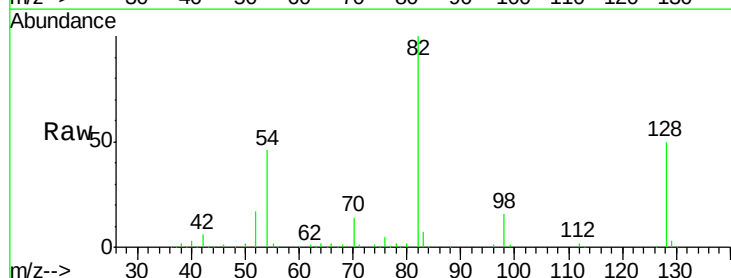
Tgt Ion: 82 Resp: 245308

Ion Ratio Lower Upper

82 100

128 50.2 29.7 44.5#

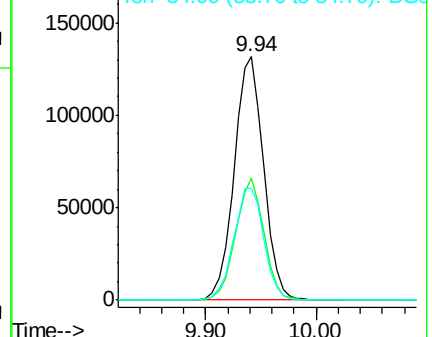
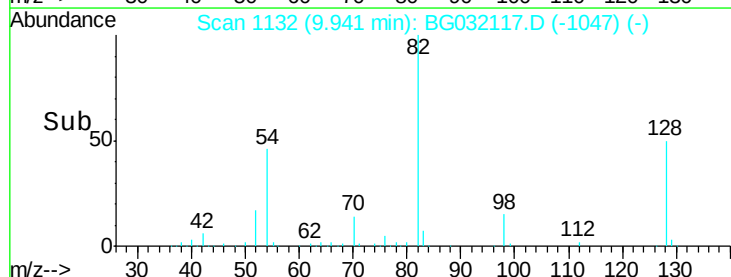
54 46.0 43.1 64.7

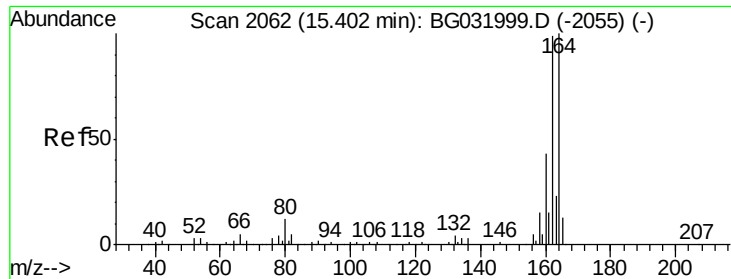


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 2057

Delta R.T. -0.03 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

Instrument :

BNA_G

ClientSampleId :

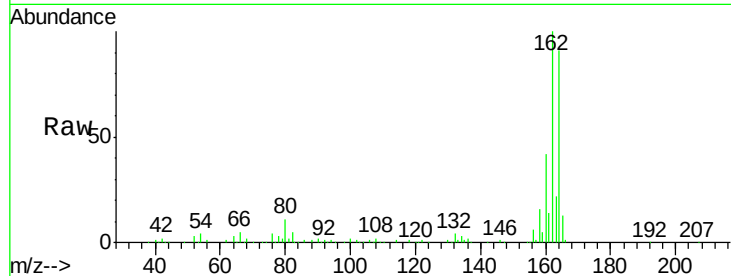
Tot Ion:164 Resp: 124234

Ion Ratio Lower Upper

164 100

162 109.8 78.8 118.2

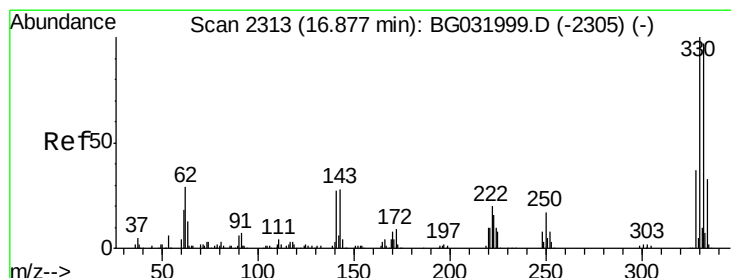
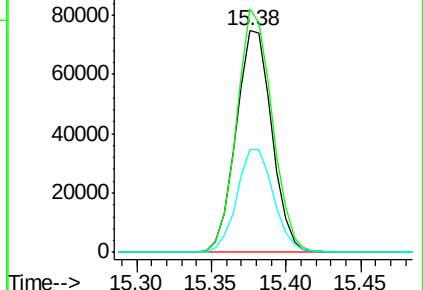
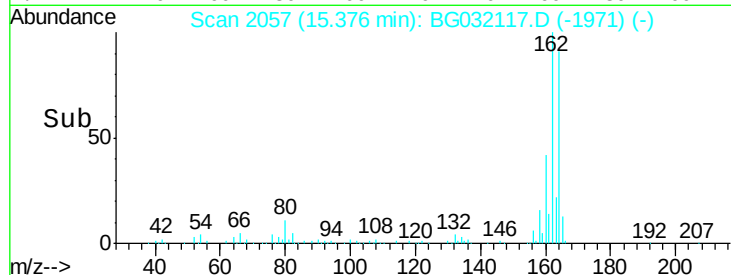
160 46.6 35.4 53.0



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: 132.998 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

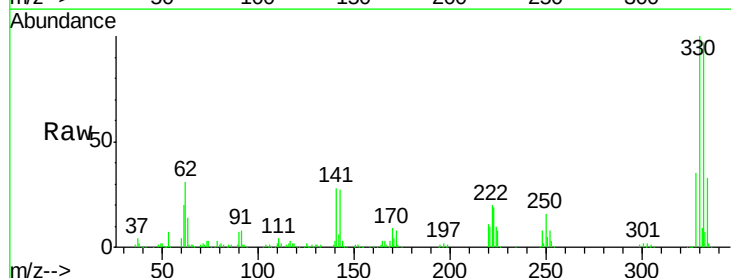
Tgt Ion:330 Resp: 273415

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

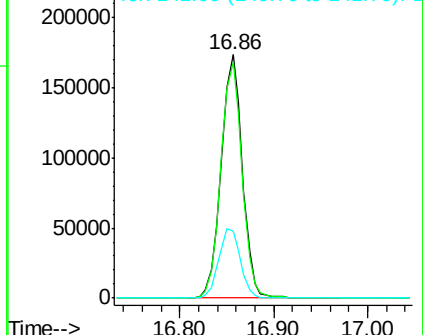
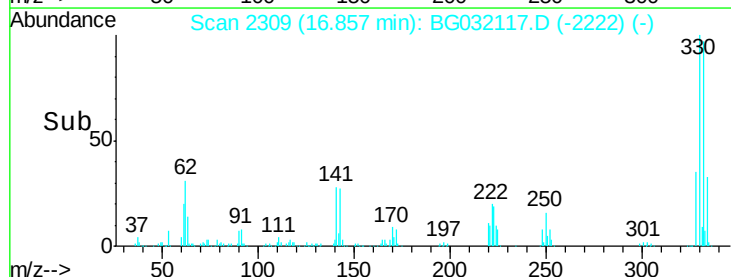
141 29.4 25.2 37.8

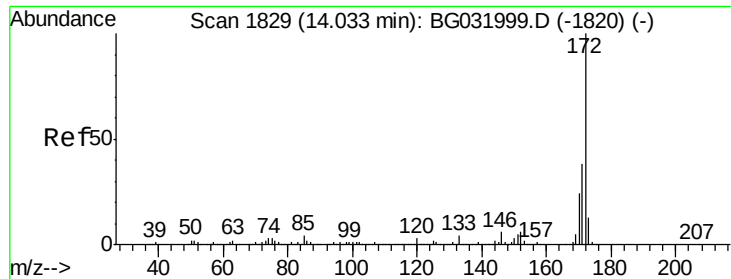


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

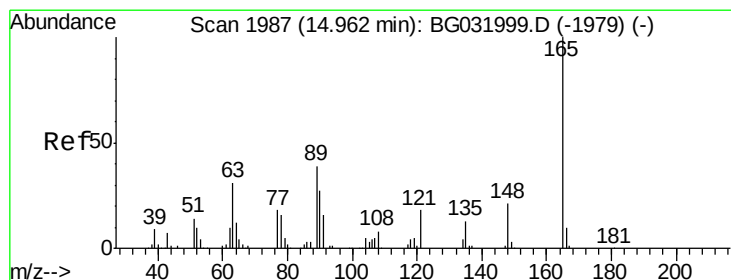
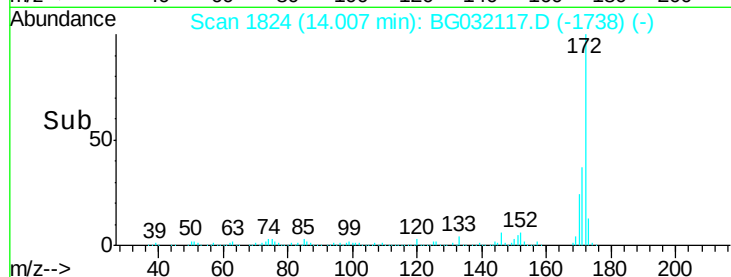
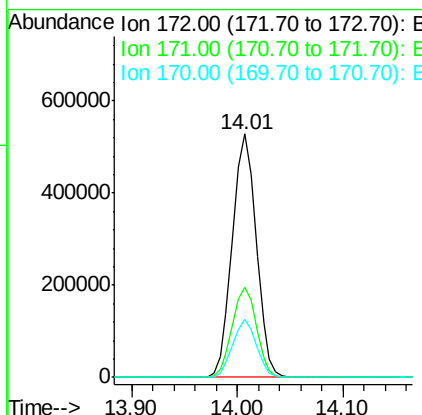
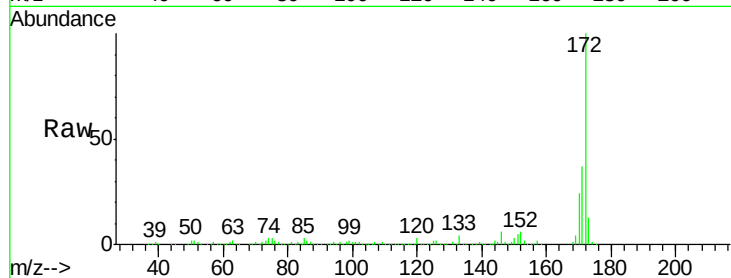




#44
2-Fluorobiphenyl
Concen: 82.691 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.03 min
Lab File: BG032117.D
Acq: 18 Jan 2018 1:28

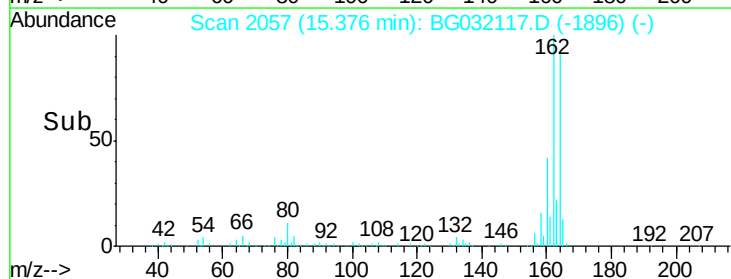
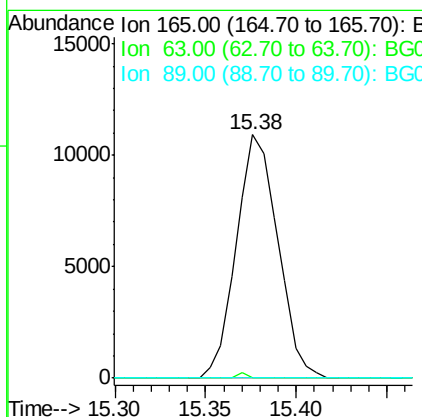
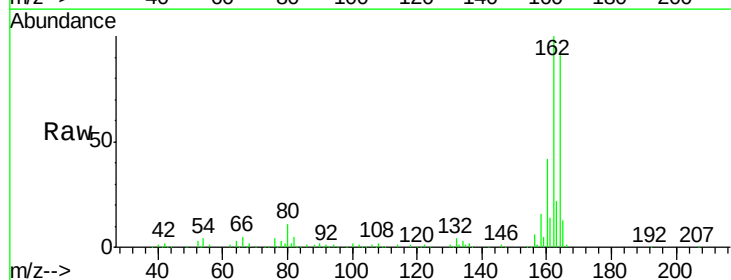
Instrument :
BNA_G
ClientSampleId :

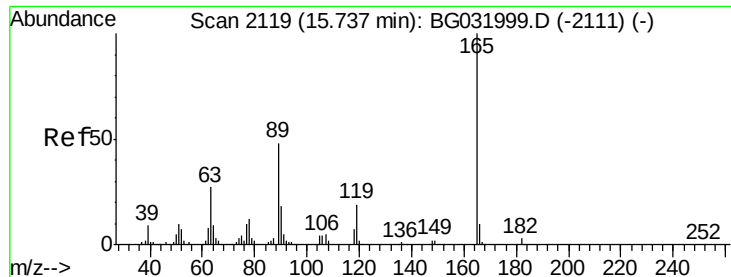
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.6	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.703 ng
RT: 15.38 min Scan# 2057
Delta R.T. 0.41 min
Lab File: BG032117.D
Acq: 18 Jan 2018 1:28

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

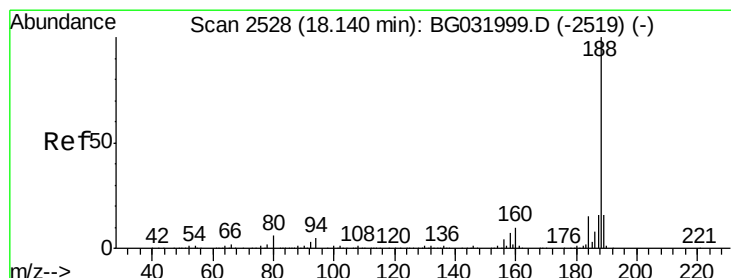
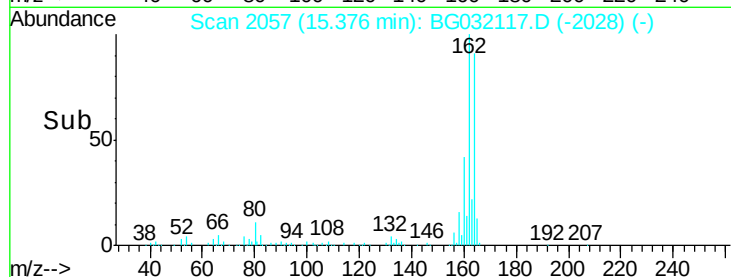
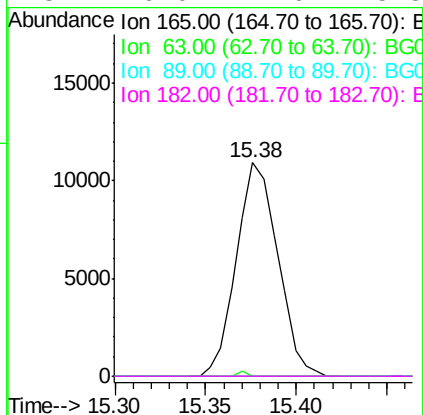
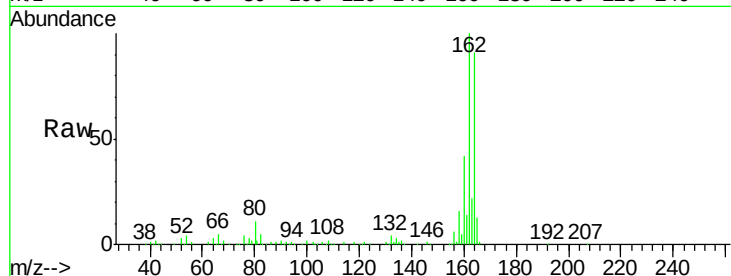




#56
2,4-Dinitrotoluene
Concen: 5.722 ng
RT: 15.38 min Scan# 2057
Delta R.T. -0.36 min
Lab File: BG032117.D
Acq: 18 Jan 2018 1:28

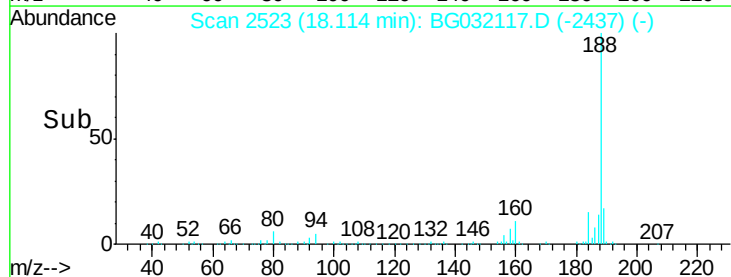
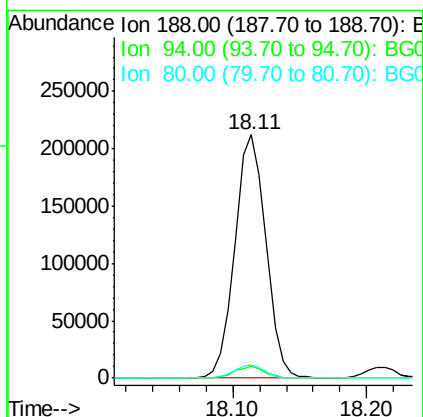
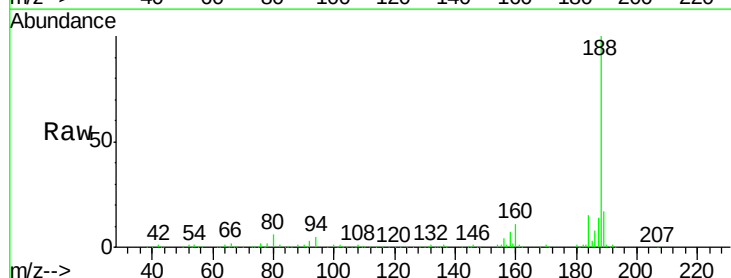
Instrument :
BNA_G
ClientSampleId :

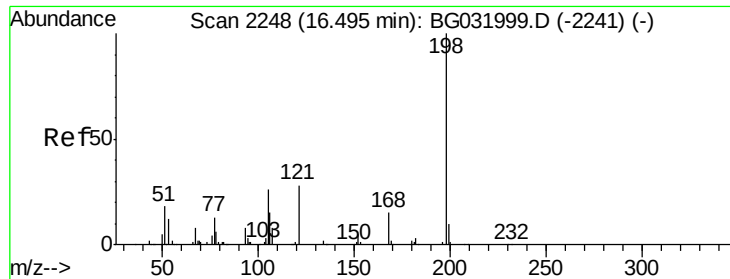
Tot Ion:165	Resp:	17383
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BG032117.D
Acq: 18 Jan 2018 1:28

Tgt Ion:188	Resp:	342056
Ion Ratio	Lower	Upper
188	100	
94	4.9	6.9 10.3#
80	5.5	7.7 11.5#

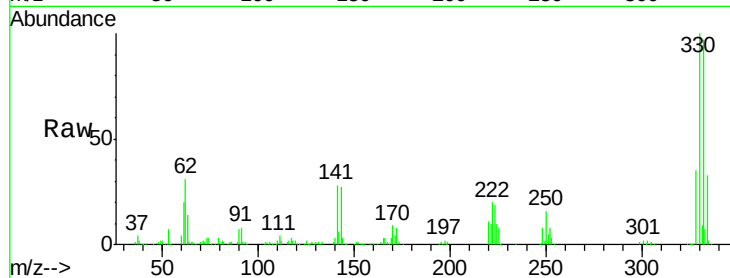




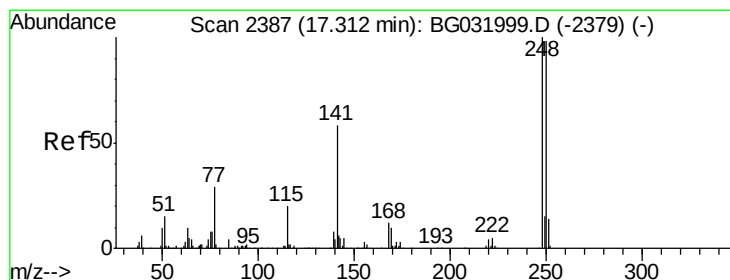
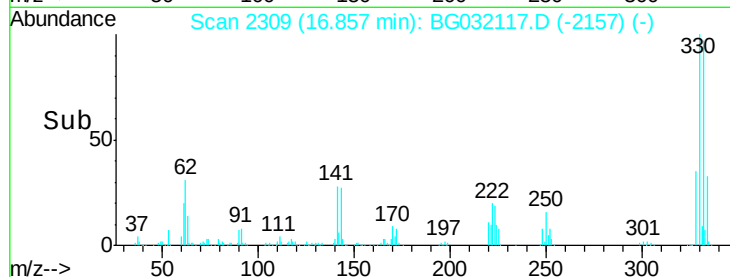
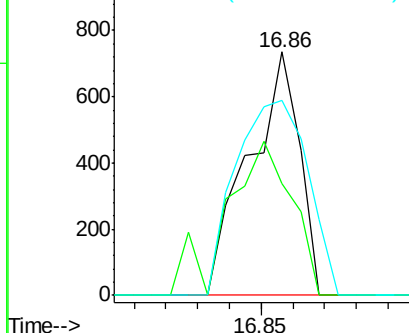
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.217 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. 0.36 min
 Lab File: BG032117.D
 Acq: 18 Jan 2018 1:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	45.8	30.6	70.6
105	79.9	23.8	63.8

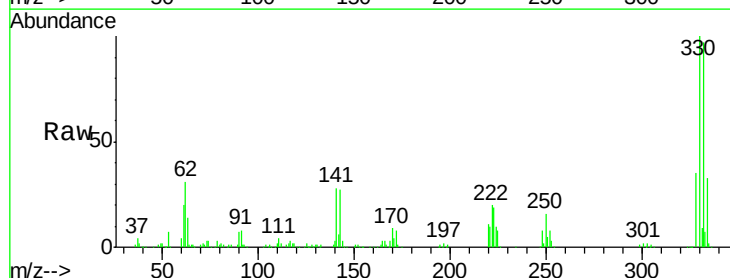


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

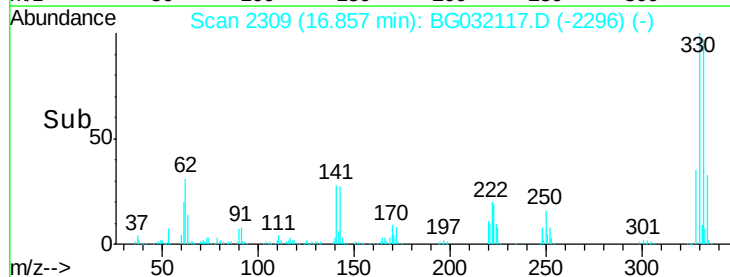
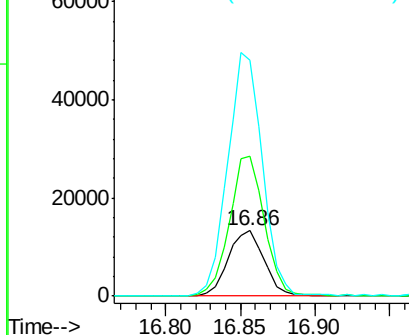


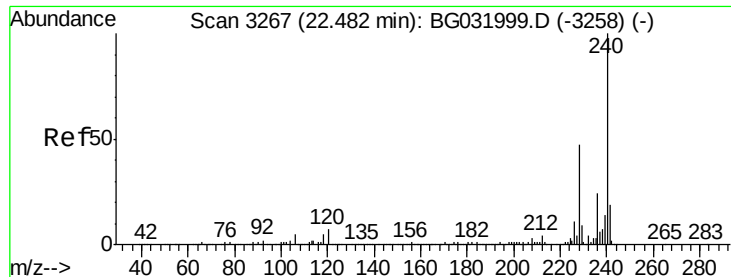
#66
 4-Bromophenyl-phenylether
 Concen: 4.593 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.46 min
 Lab File: BG032117.D
 Acq: 18 Jan 2018 1:28

Tgt Ion	Ratio	Lower	Upper
248	100		
250	213.8	77.1	115.7#
141	361.4	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: BG032117.D

Acq: 18 Jan 2018 1:28

Instrument :

BNA_G

ClientSampleId :

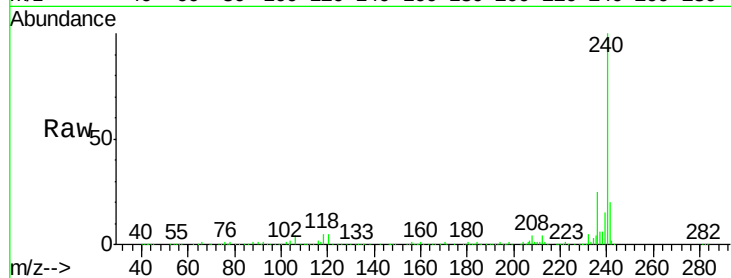
Tot Ion:240 Resp: 449040

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

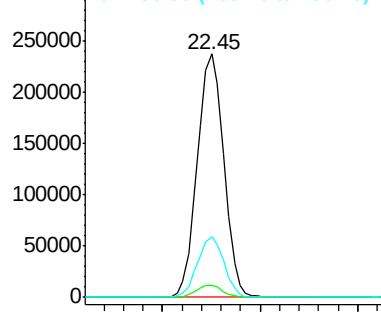
236 24.8 20.9 31.3



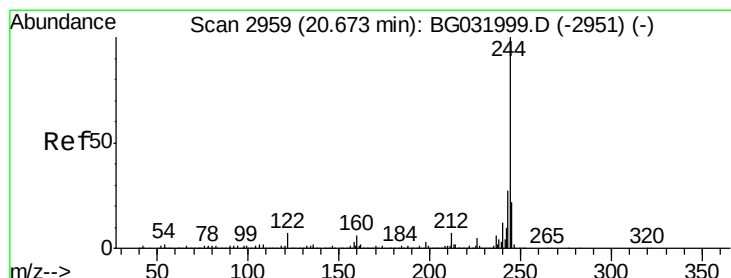
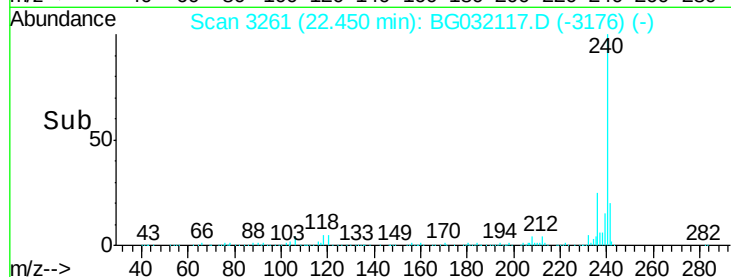
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 82.977 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

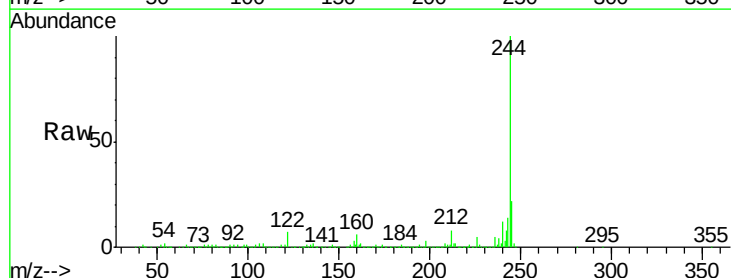
Tgt Ion:244 Resp: 1687472

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

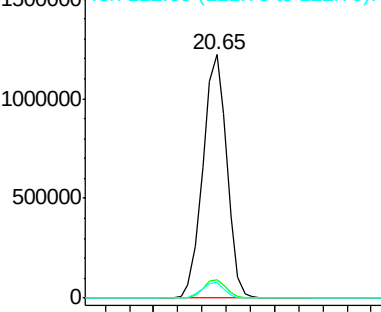
122 6.5 7.0 10.4#



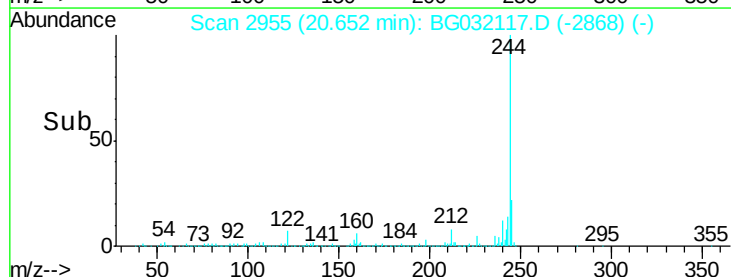
Abundance Ion 244.00 (243.70 to 244.70): E

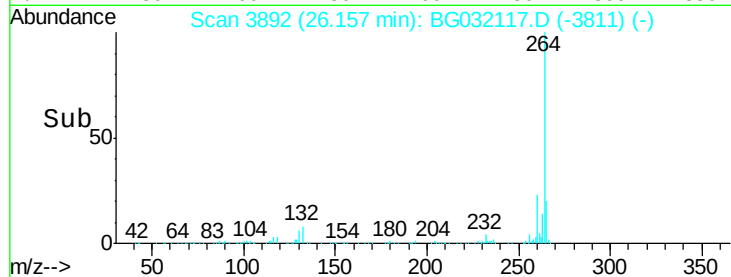
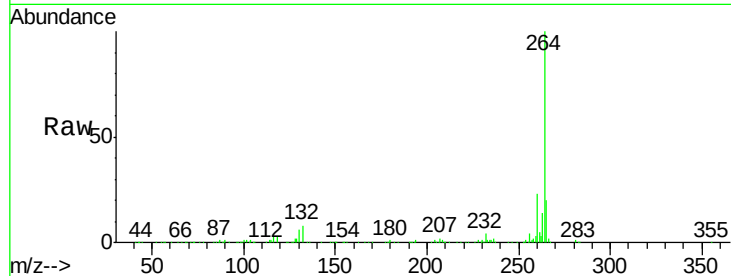
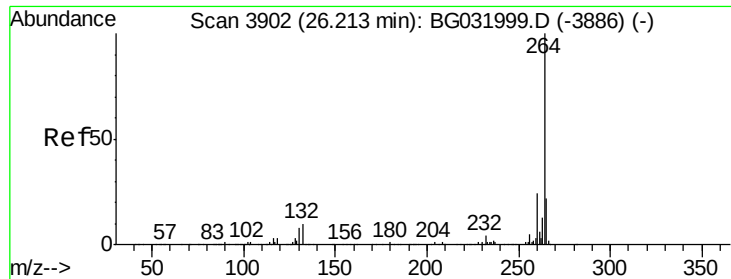
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.16 min Scan# 3892

Delta R.T. -0.06 min

Lab File: BG032117.D

Acq: 18 Jan 2018 1:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 472781

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.2 17.7 26.5

