

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031821.D
 Acq On : 28 Dec 2017 7:10
 Operator : SJ/JU
 Sample : I7010-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 08:08:56 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

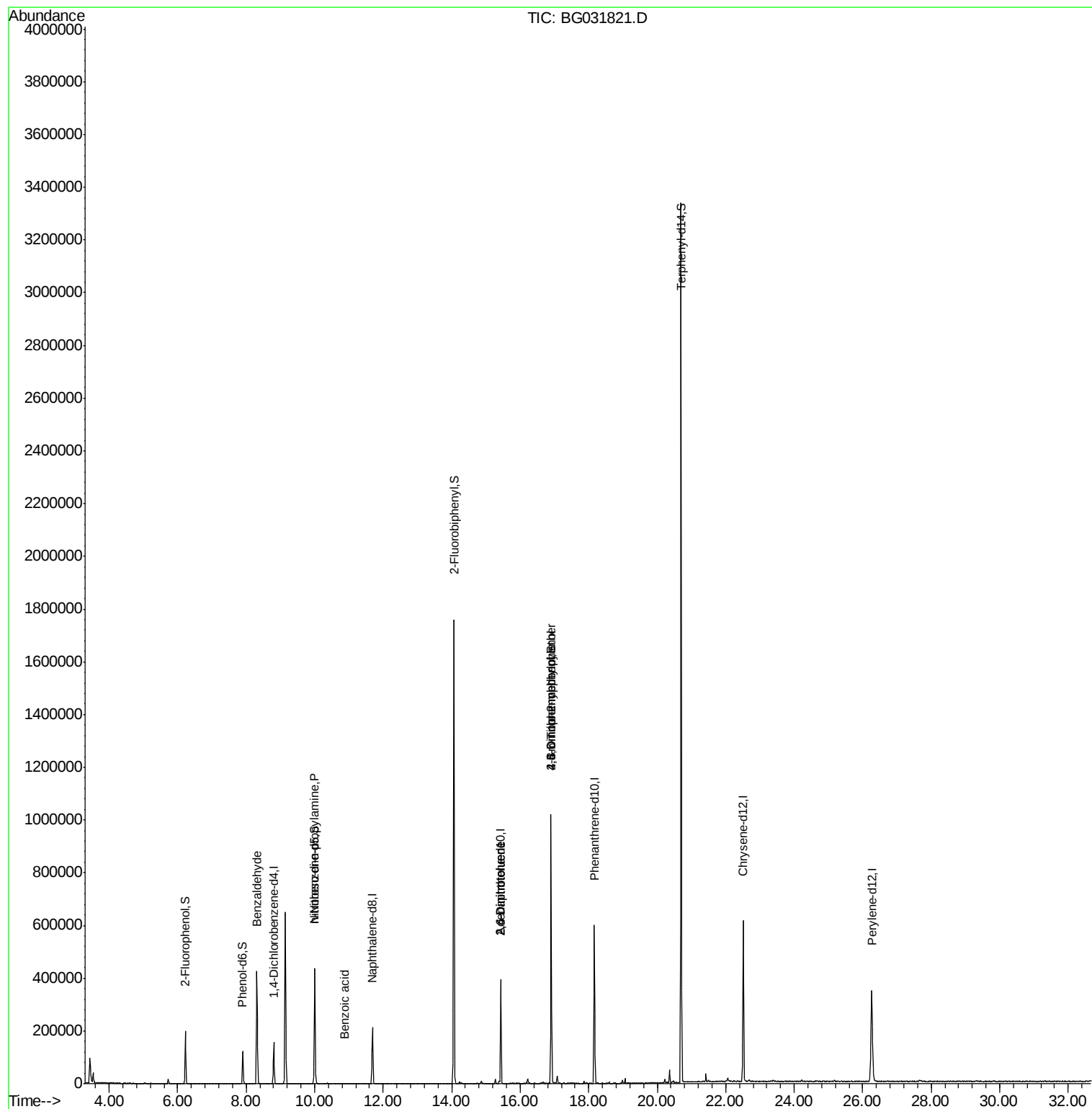
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	54633	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	220674	20.00	ng	-0.04
38) Acenaphthene-d10	15.43	164	155172	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	395120	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	468696	20.00	ng	-0.06
86) Perylene-d12	26.27	264	490867	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	112752	37.59	ng	-0.03
7) Phenol-d6	7.90	99	85444	21.94	ng	-0.03
23) Nitrobenzene-d5	10.00	82	292323	100.03	ng	-0.04
41) 2,4,6-Tribromophenol	16.90	330	240226	101.46	ng	-0.04
44) 2-Fluorobiphenyl	14.07	172	1091450	88.28	ng	-0.03
78) Terphenyl-d14	20.70	244	1771123	86.33	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	5230	2.230	ng	94
19) n-Nitroso-di-n-propylamine	10.00	70	38575	14.504	ng	# 72
32) Benzoic acid	10.88	122	54	6.715	ng	# 1
50) 2,6-Dinitrotoluene	15.43	165	20113	7.998	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	20113	6.220	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.91	198	485	8.514	ng	# 62
66) 4-Bromophenyl-phenylether	16.90	248	18918	3.311	ng	# 1

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

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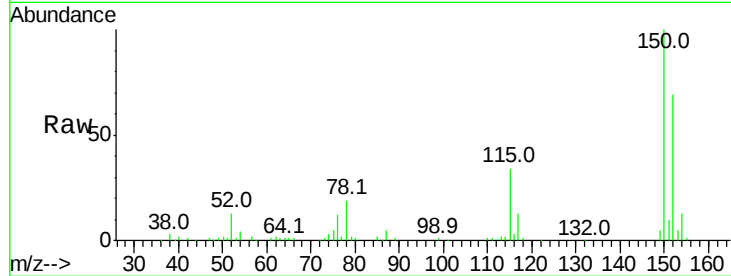


#1

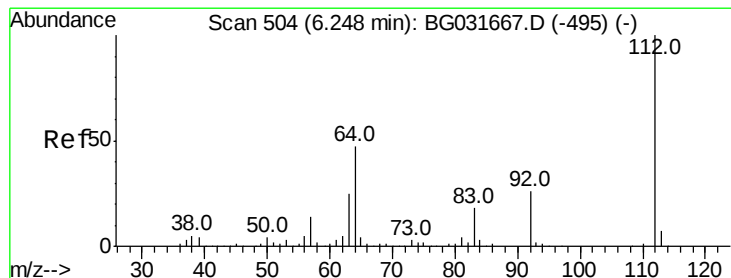
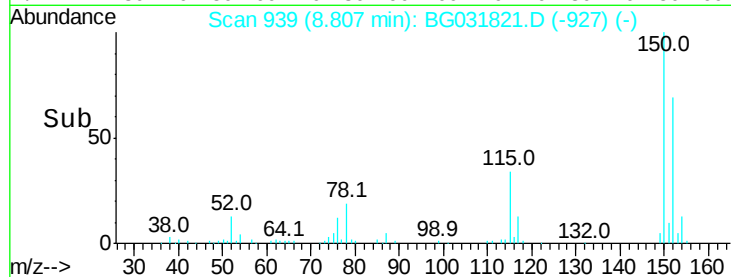
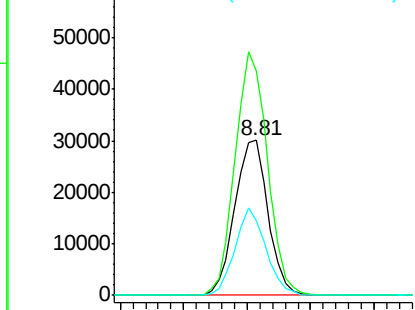
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.81 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031821.D
Acq: 28 Dec 2017 7:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54633
Ion Ratio Lower Upper
152 100
150 144.6 126.6 189.8
115 48.5 53.0 79.4#



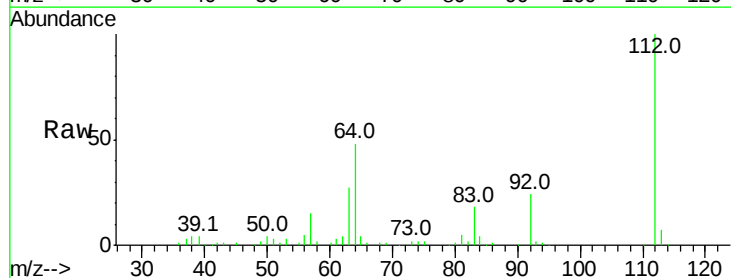
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



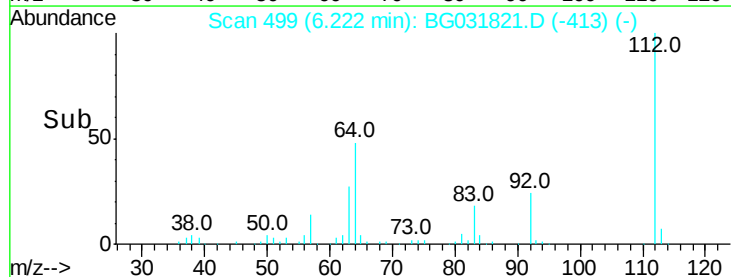
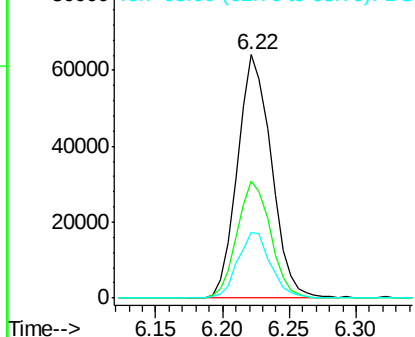
#5

2-Fluorophenol
Concen: 37.590 ng
RT: 6.22 min Scan# 499
Delta R.T. -0.03 min
Lab File: BG031821.D
Acq: 28 Dec 2017 7:10

Tgt Ion:112 Resp: 112752
Ion Ratio Lower Upper
112 100
64 47.8 56.3 84.5#
63 27.0 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: 21.940 ng

RT: 7.90 min Scan# 784

Delta R.T. -0.03 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

Instrument :

BNA_G

ClientSampleId :

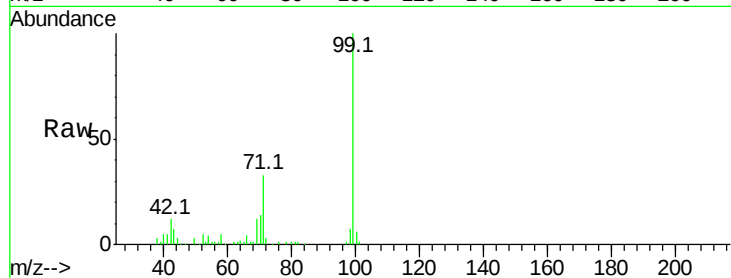
Tot Ion: 99 Resp: 85444

Ion Ratio Lower Upper

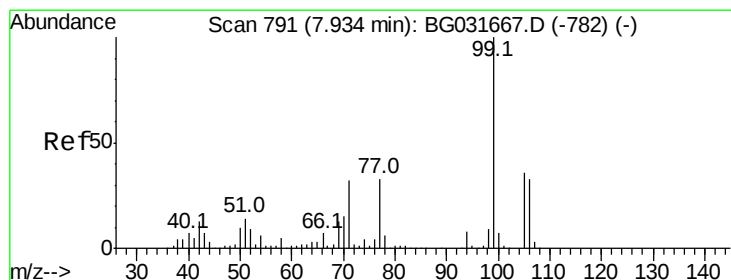
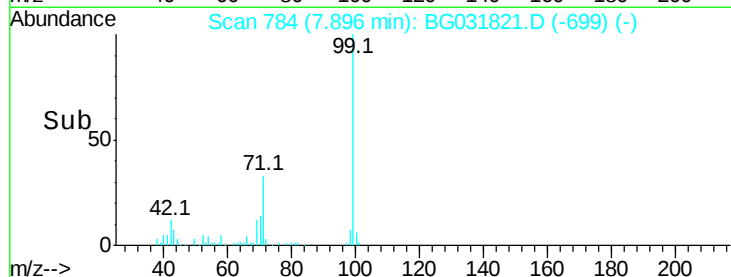
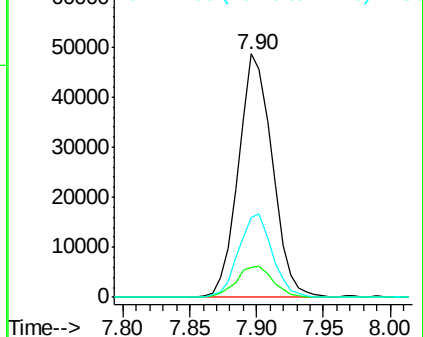
99 100

42 12.3 14.1 21.1#

71 32.6 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



#9

Benzaldehyde

Concen: 2.230 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

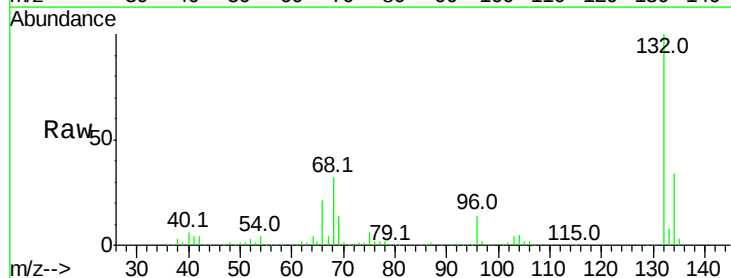
Tgt Ion: 77 Resp: 5230

Ion Ratio Lower Upper

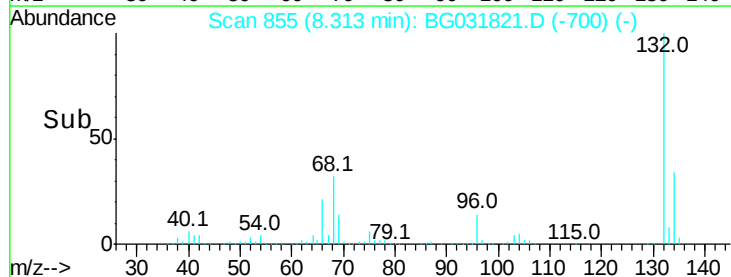
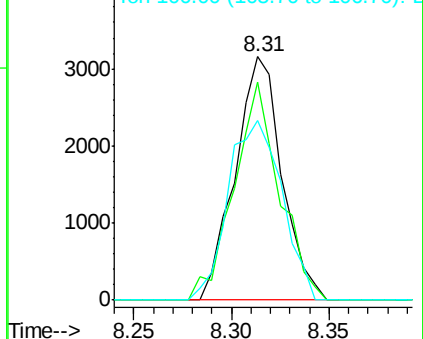
77 100

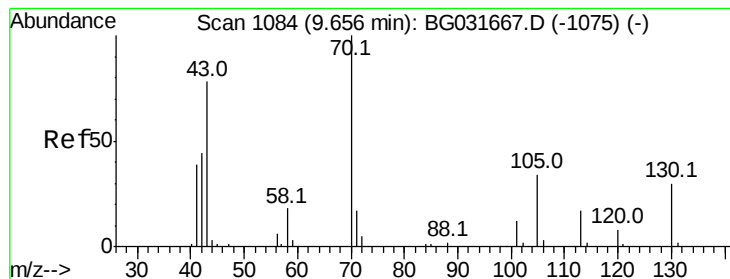
105 89.6 71.3 111.3

106 73.9 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.504 ng

RT: 10.00 min Scan# 1142

Delta R.T. 0.34 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38575

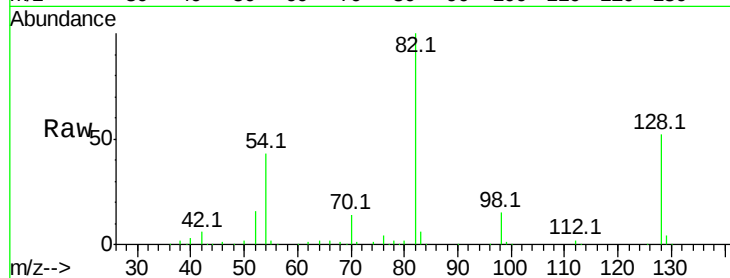
Ion Ratio Lower Upper

70 100

42 41.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



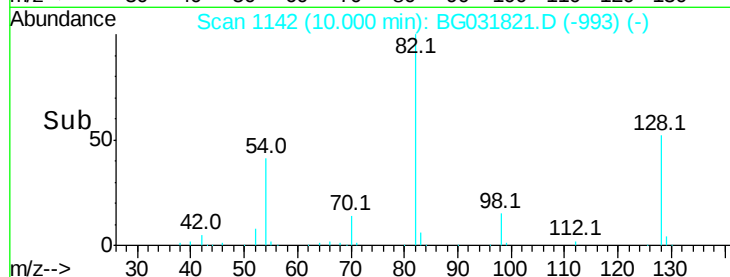
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time--> 9.90 10.00 10.10



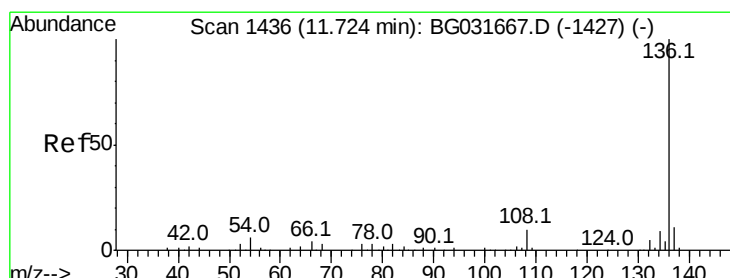
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time--> 9.90 10.00 10.10



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.69 min Scan# 1429

Delta R.T. -0.04 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

Tgt Ion: 136 Resp: 220674

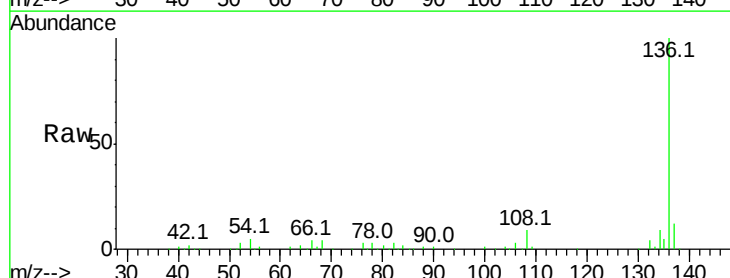
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 4.7 10.3 15.5#

68 4.4 4.5 6.7#



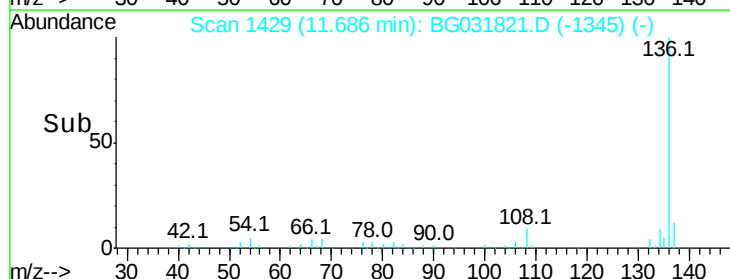
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

Time--> 11.60 11.70 11.80



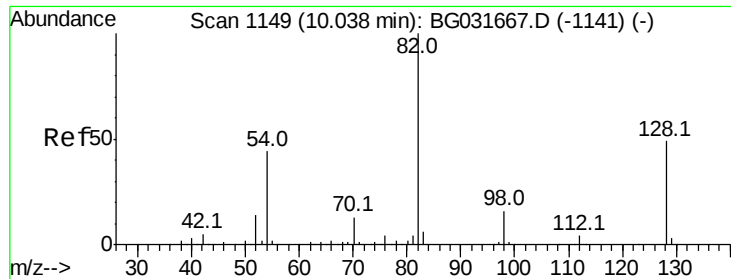
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

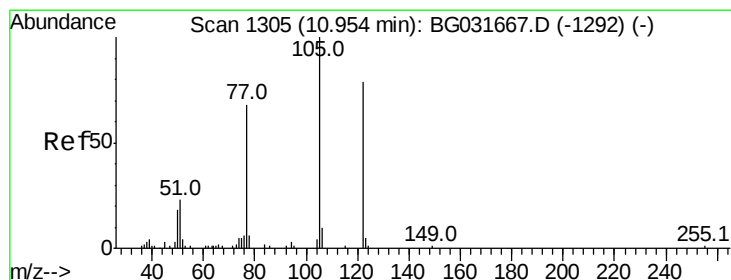
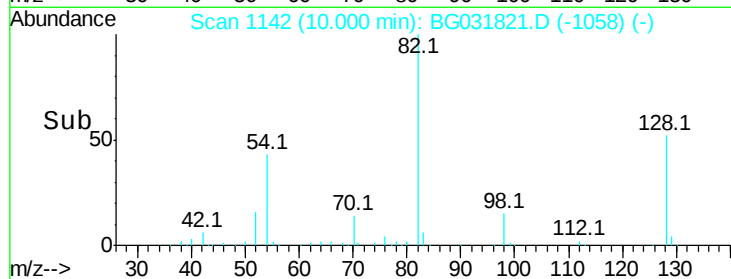
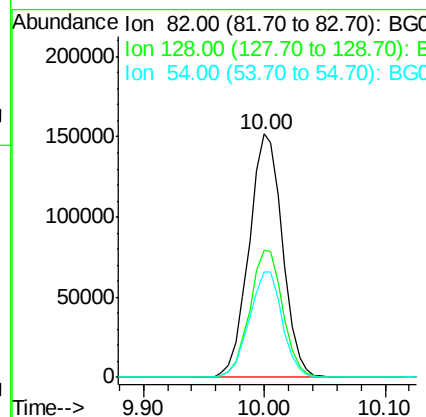
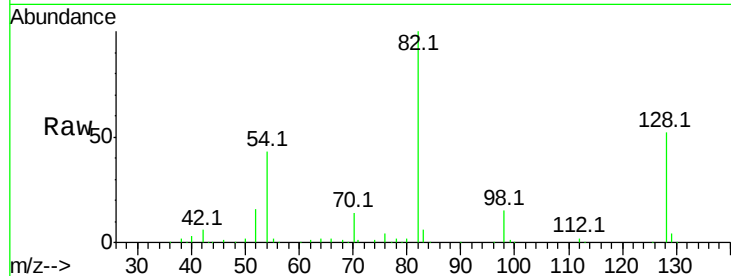
Time--> 11.60 11.70 11.80



#23
 Nitrobenzene-d5
 Concen: 100.030 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

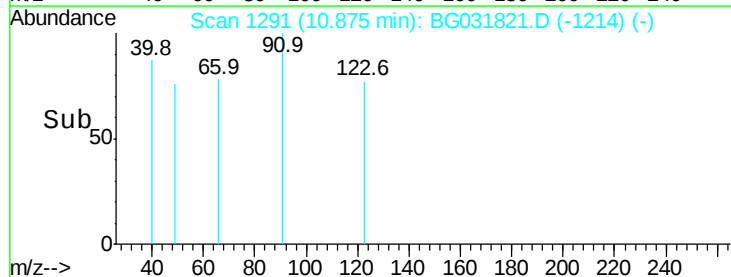
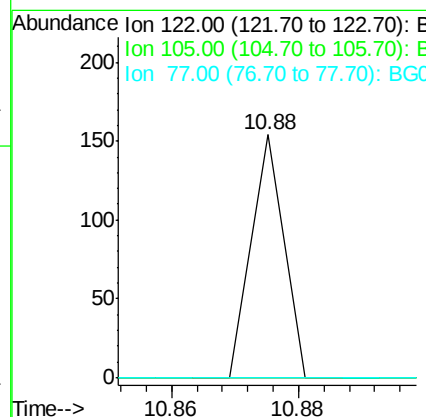
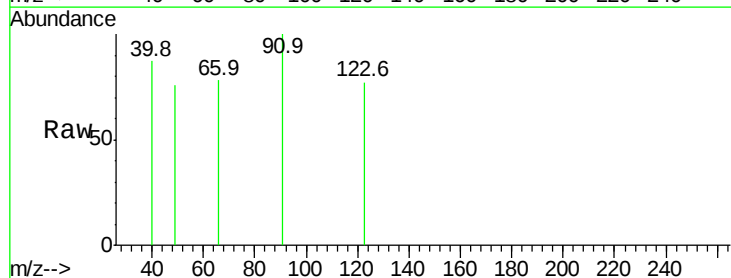
Instrument :
 BNA_G
 ClientSampleId :

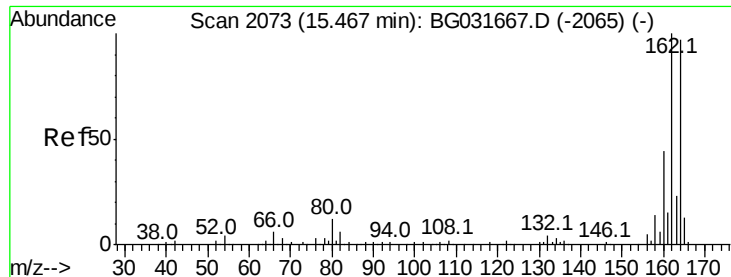
Tot Ion	82	Resp	292323
Ion	Ratio	Lower	Upper
82	100		
128	52.4	29.7	44.5#
54	43.1	43.1	64.7#



#32
 Benzoic acid
 Concen: 6.715 ng
 RT: 10.88 min Scan# 1291
 Delta R.T. -0.08 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

Tgt Ion	122	Resp	54
Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

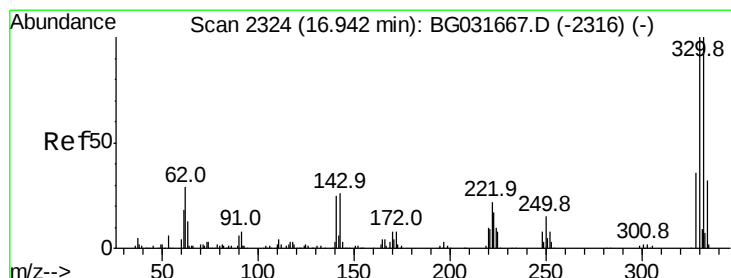
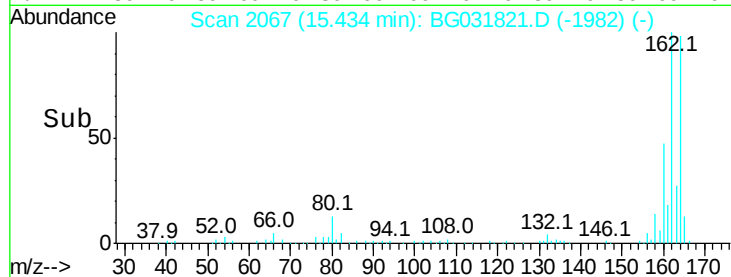
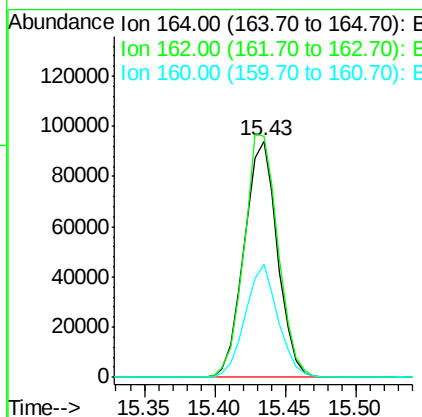
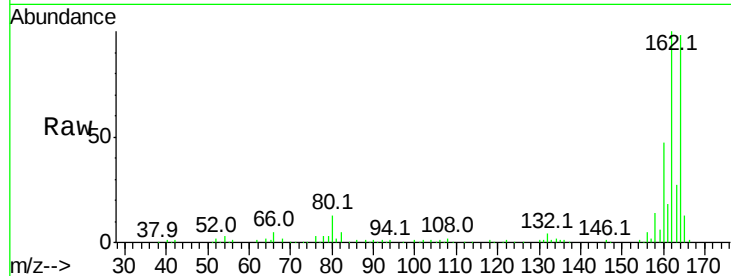




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.03 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

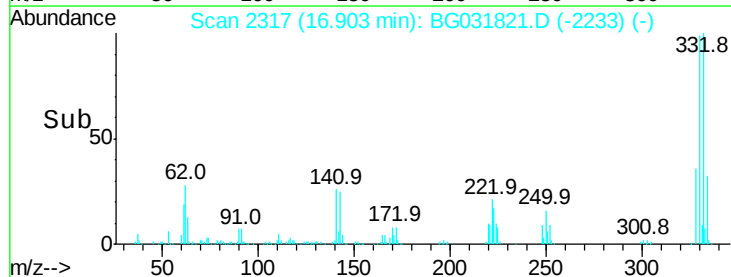
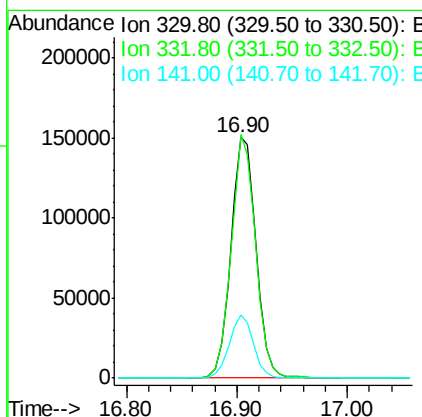
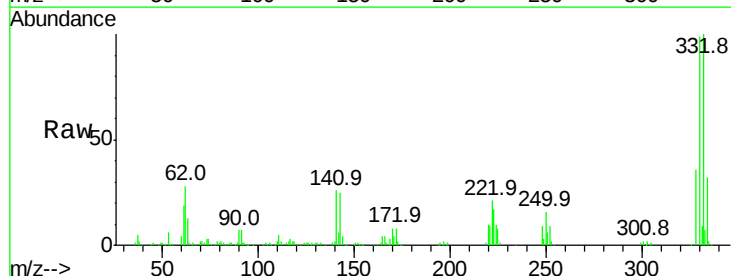
Instrument :
 BNA_G
 ClientSampleId :

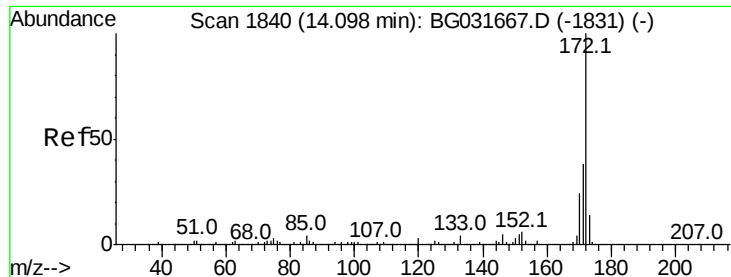
Tot Ion:164 Resp: 155172
 Ion Ratio Lower Upper
 164 100
 162 102.0 78.8 118.2
 160 47.7 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 101.459 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. -0.04 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

Tgt Ion:330 Resp: 240226
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 25.2 25.2 37.8

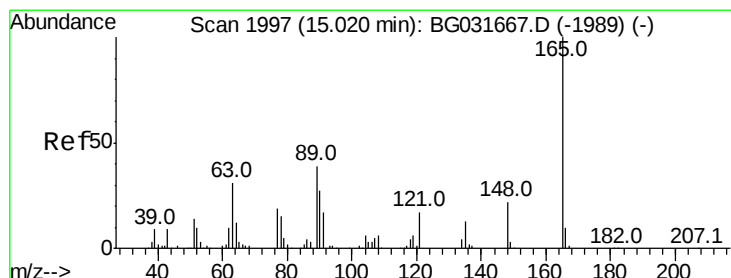
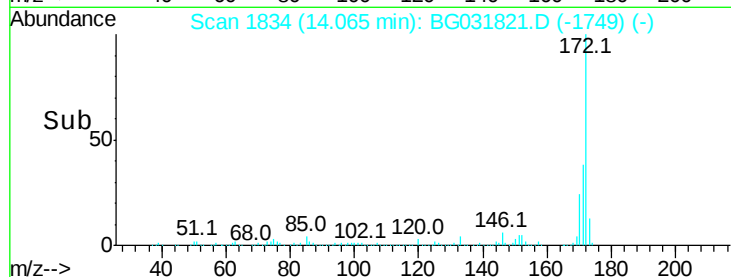
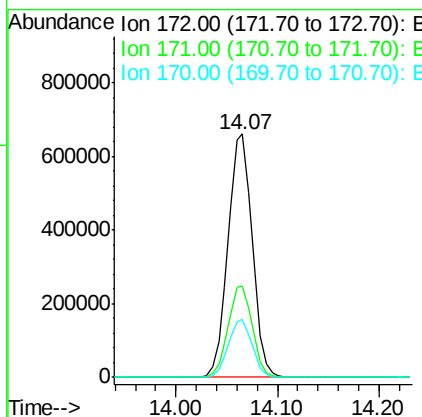
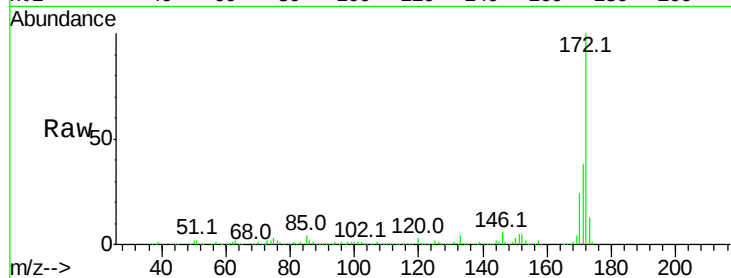




#44
2-Fluorobiphenyl
Concen: 88.284 ng
RT: 14.07 min Scan# 1834
Delta R.T. -0.03 min
Lab File: BG031821.D
Acq: 28 Dec 2017 7:10

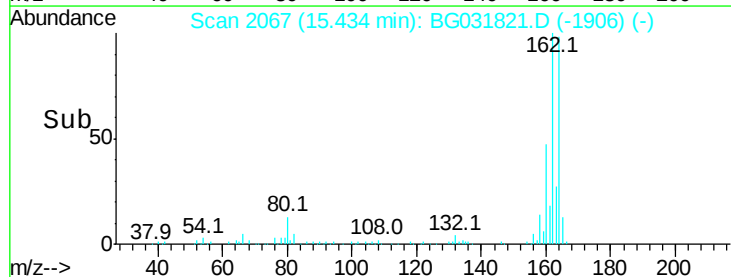
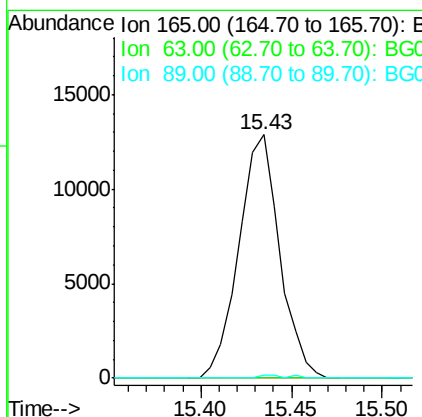
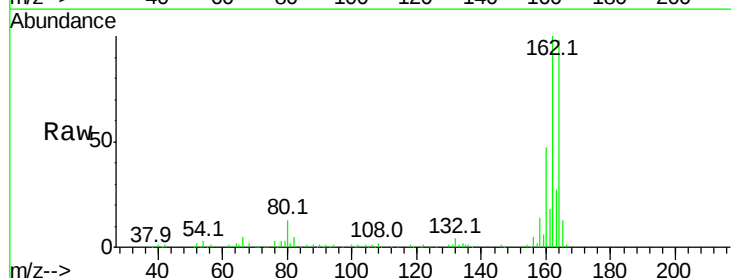
Instrument :
BNA_G
ClientSampleId :

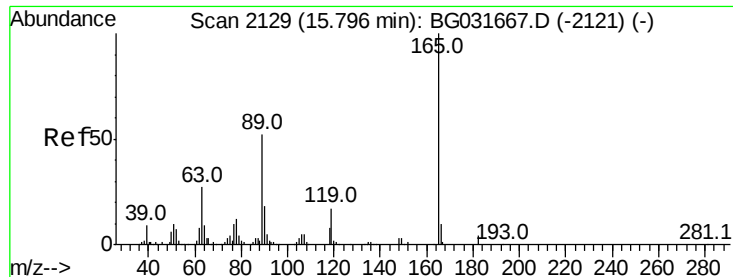
Tot Ion:172 Resp: 1091450
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.6 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.998 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031821.D
Acq: 28 Dec 2017 7:10

Tgt Ion:165 Resp: 20113
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.2 49.2 73.8#

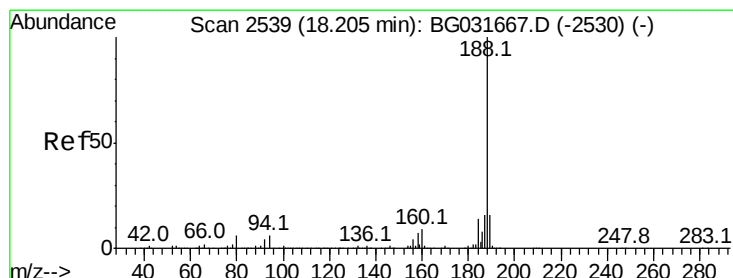
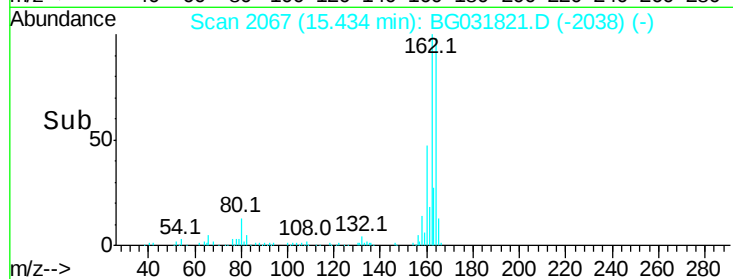
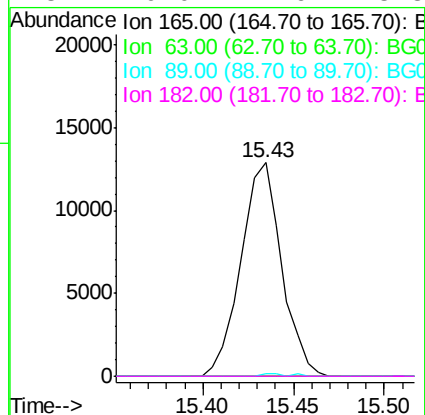
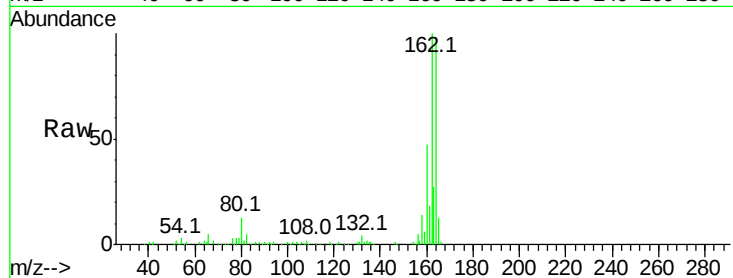




#56
 2,4-Dinitrotoluene
 Concen: 6.220 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

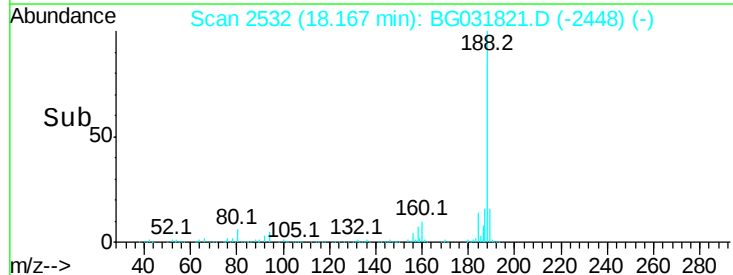
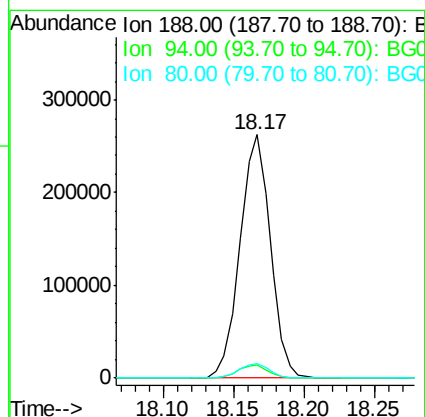
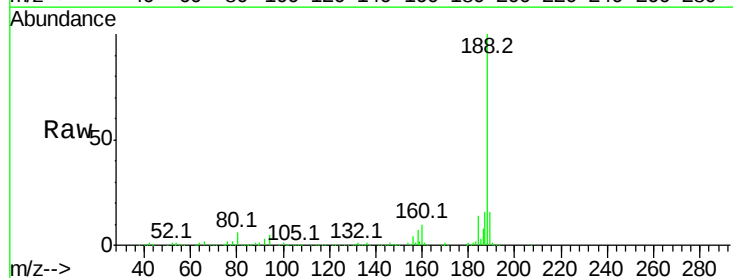
Instrument :
 BNA_G
 ClientSampleId :

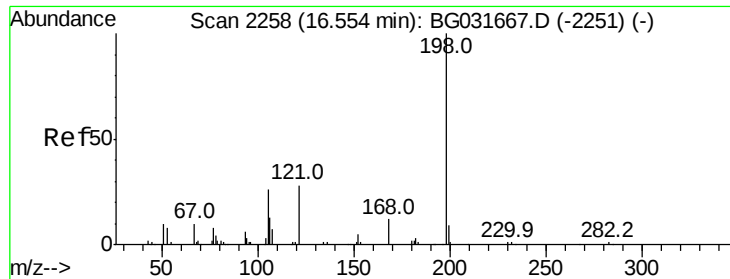
Tot Ion:	165	Resp:	20113
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	1.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.17 min Scan# 2532
 Delta R.T. -0.04 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

Tgt Ion:	188	Resp:	395120
Ion Ratio	Lower	Upper	
188	100		
94	5.3	6.9	10.3#
80	6.2	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.514 ng

RT: 16.91 min Scan# 2318

Delta R.T. 0.36 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

Instrument :

BNA_G

ClientSampleId :

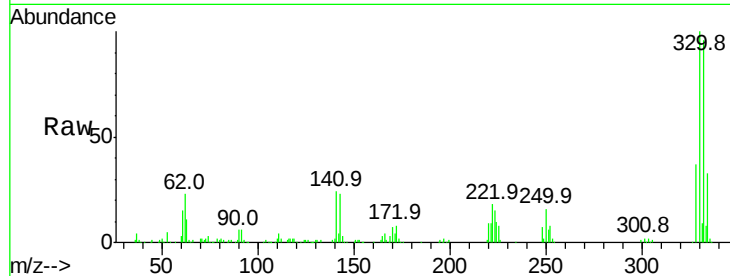
Tot Ion:198 Resp: 485

Ion Ratio Lower Upper

198 100

51 64.8 30.6 70.6

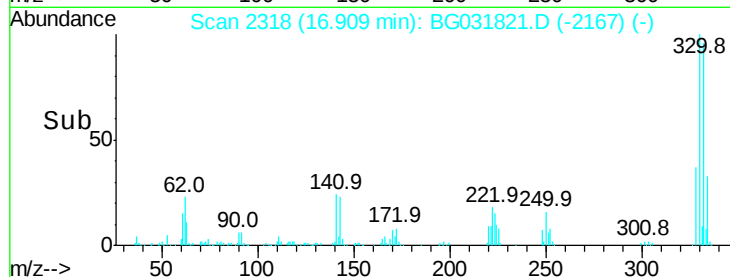
105 81.2 23.8 63.8#



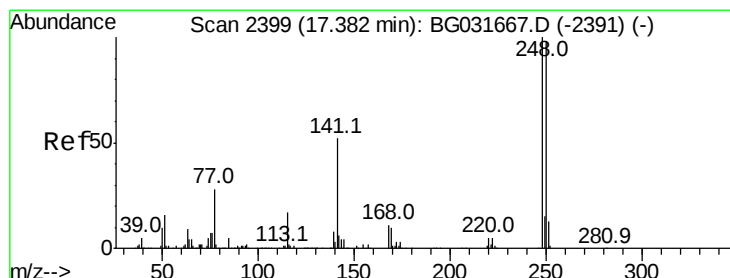
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.311 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.48 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

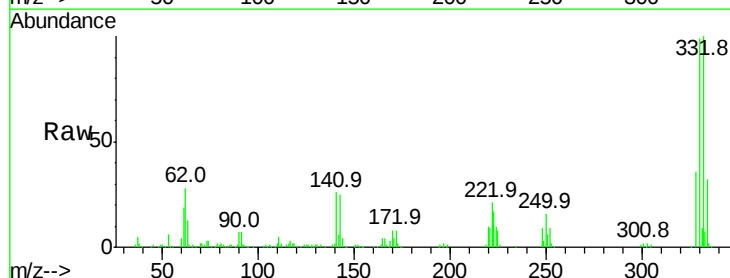
Tgt Ion:248 Resp: 18918

Ion Ratio Lower Upper

248 100

250 171.3 77.1 115.7#

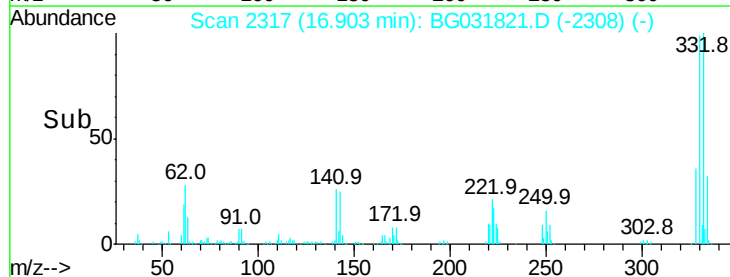
141 282.9 50.8 76.2#



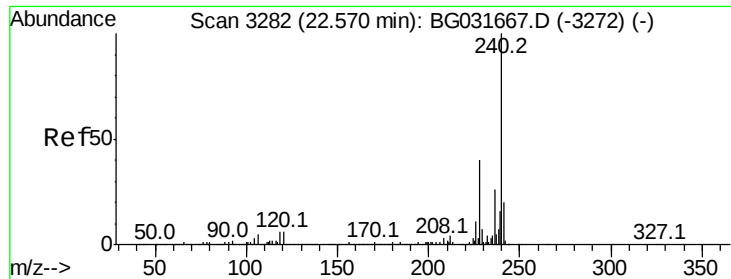
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

Instrument :

BNA_G

ClientSampleId :

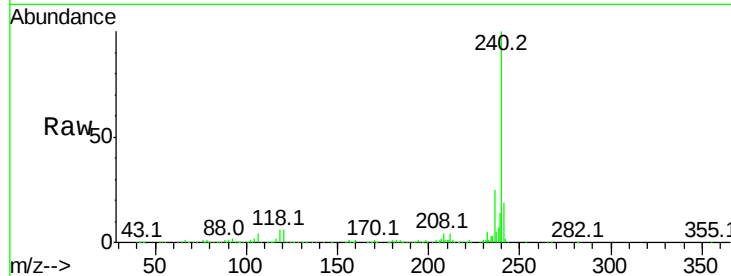
Tot Ion:240 Resp: 468696

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

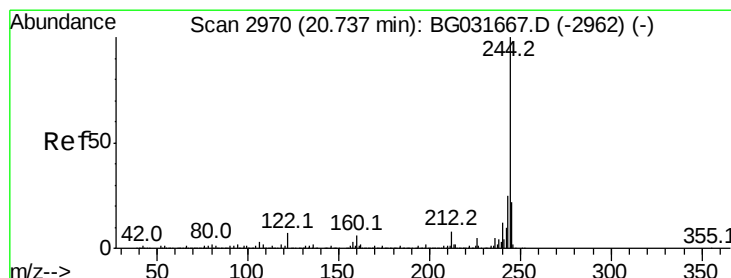
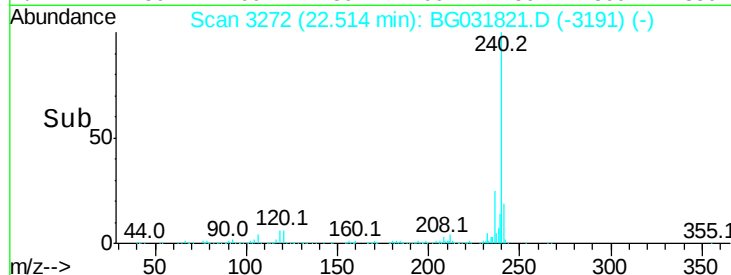
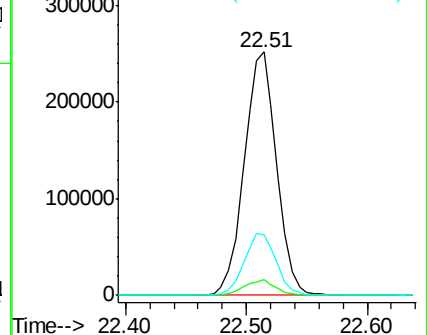
236 25.0 20.9 31.3



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: 86.333 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031821.D

Acq: 28 Dec 2017 7:10

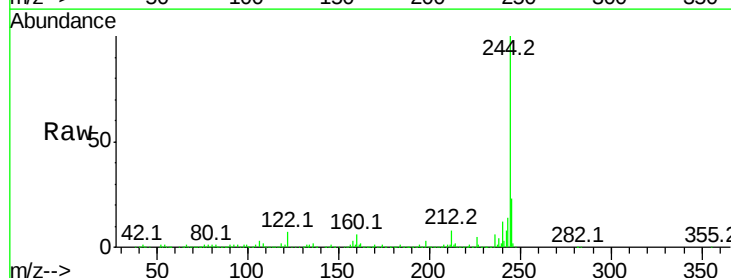
Tgt Ion:244 Resp: 1771123

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

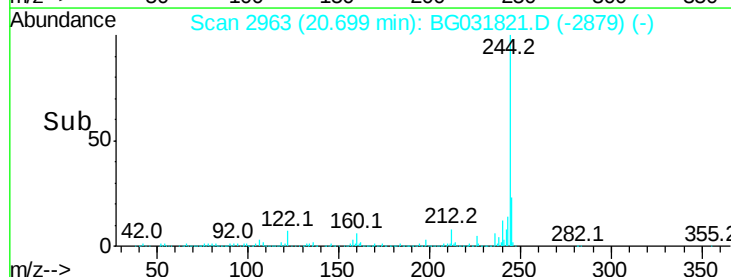
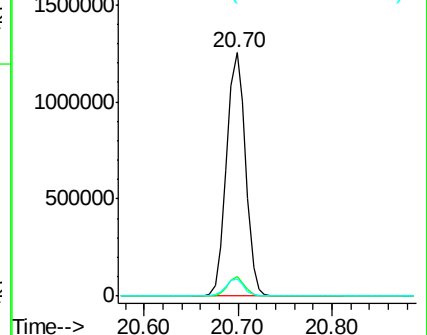
122 6.9 7.0 10.4#

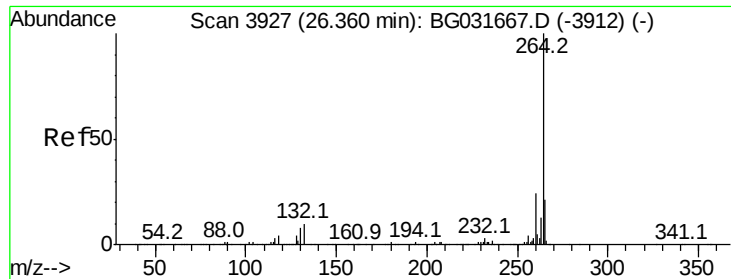


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

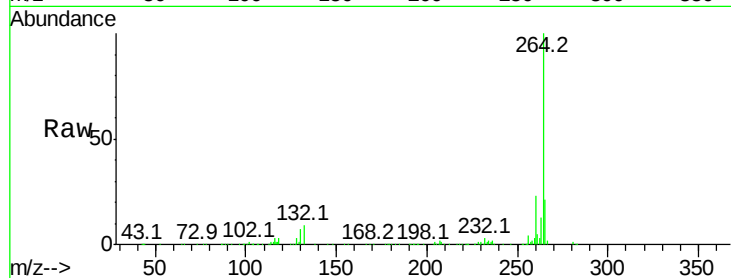




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031821.D
 Acq: 28 Dec 2017 7:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.3	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

