

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032237.D
 Acq On : 23 Jan 2018 18:32
 Operator : SJ/JU
 Sample : PB105889BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:58:47 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

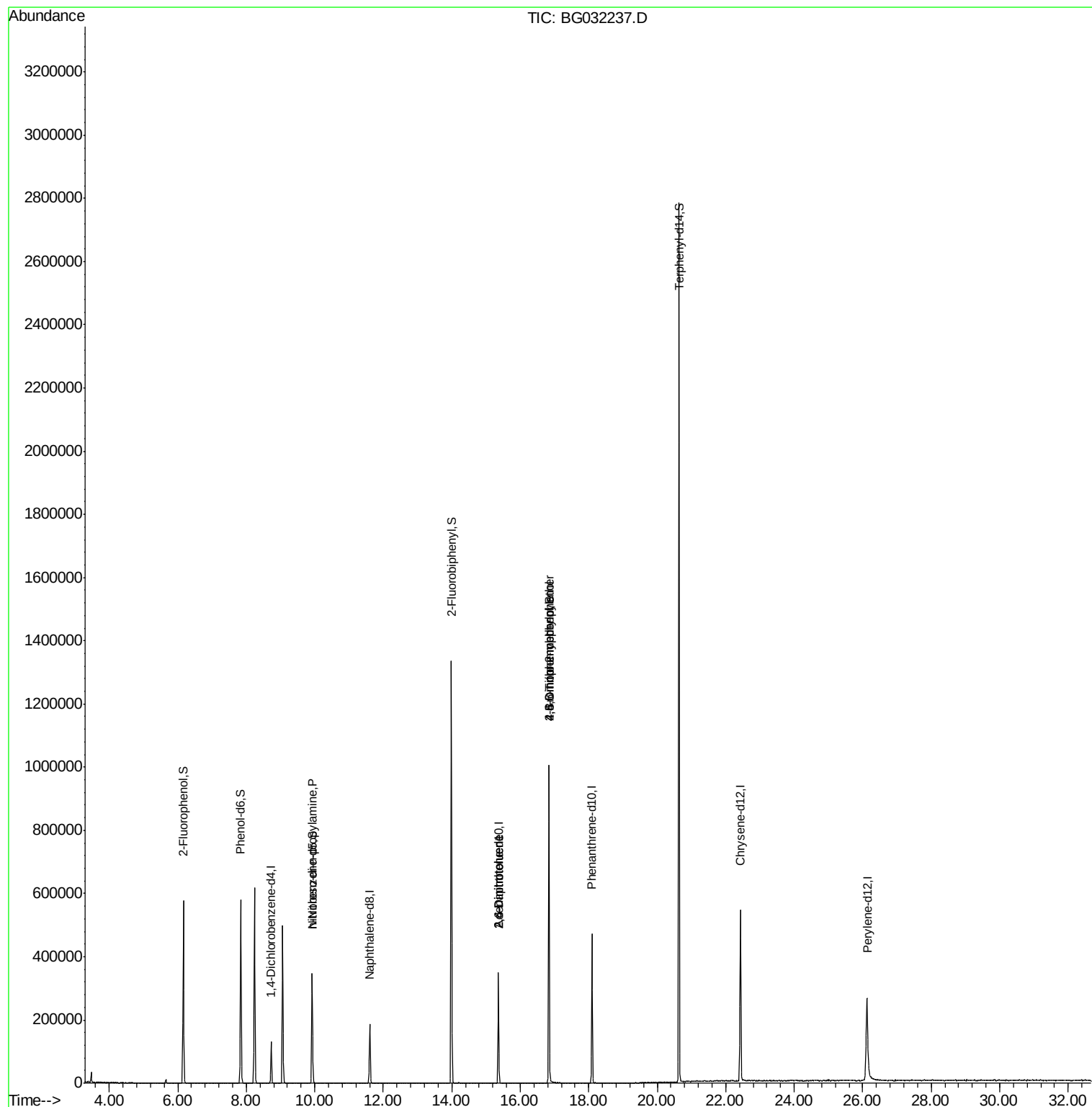
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	43462	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	182019	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	130051	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	325622	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	424034	20.00	ng	-0.02
86) Perylene-d12	26.12	264	436380	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	284527	119.73	ng	0.00
7) Phenol-d6	7.84	99	354022	118.29	ng	0.00
23) Nitrobenzene-d5	9.92	82	212390	78.94	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	221353	102.86	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	791798	75.49	ng	-0.02
78) Terphenyl-d14	20.63	244	1453534	75.69	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.93	70	30507	16.429	ng	# 74
50) 2,6-Dinitrotoluene	15.36	165	16699	7.069	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	16699	5.251	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	694	5.183	ng	# 46
66) 4-Bromophenyl-phenylether	16.84	248	19526	4.215	ng	# 1

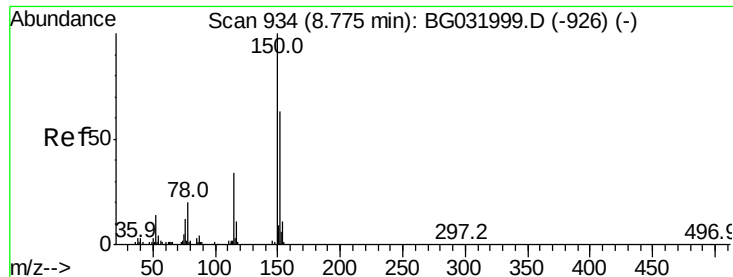
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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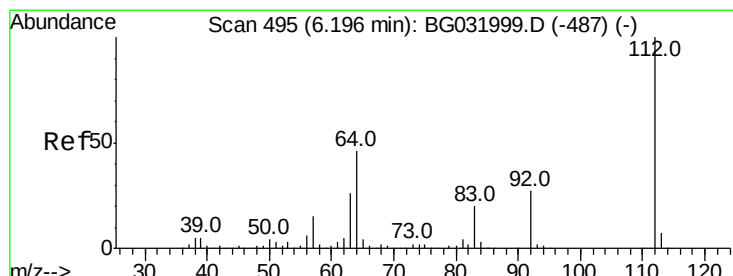
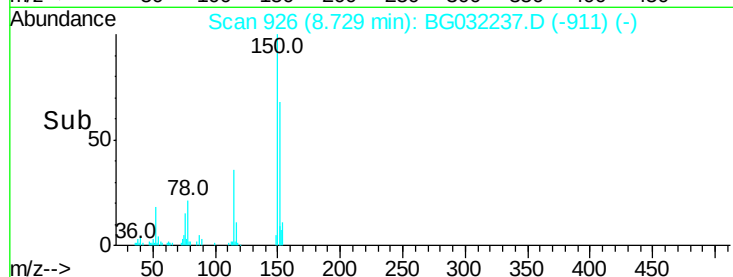
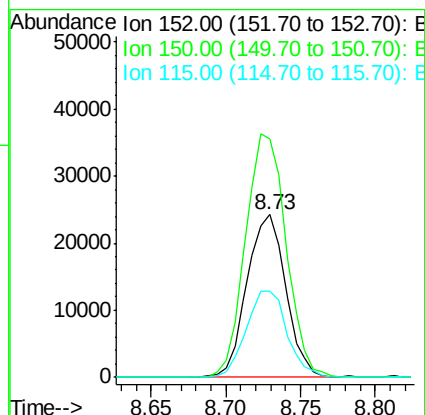
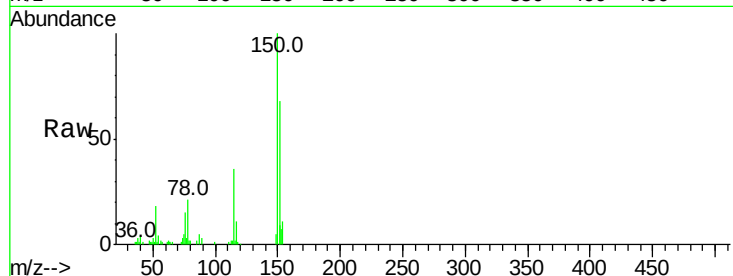


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Instrument :
BNA_G
ClientSampleId :

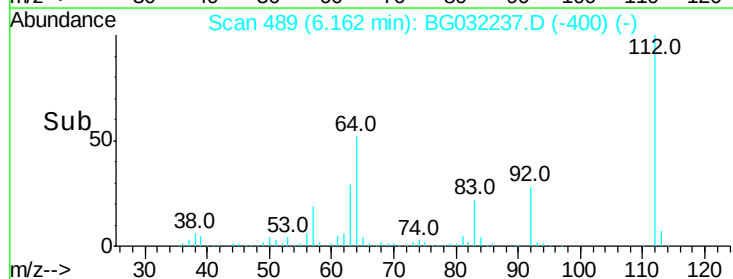
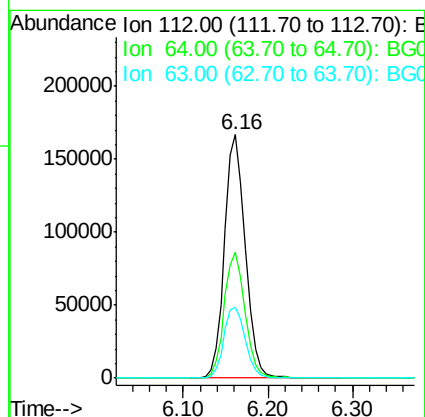
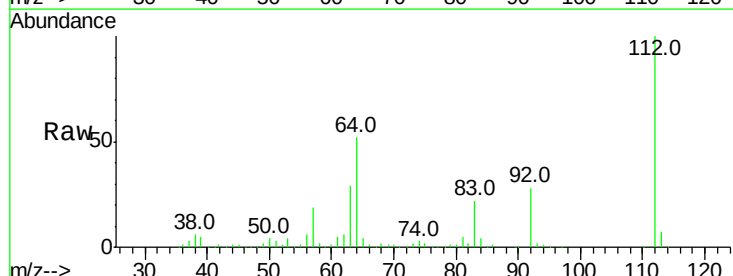
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.0	126.6	189.8
115	52.9	53.0	79.4#

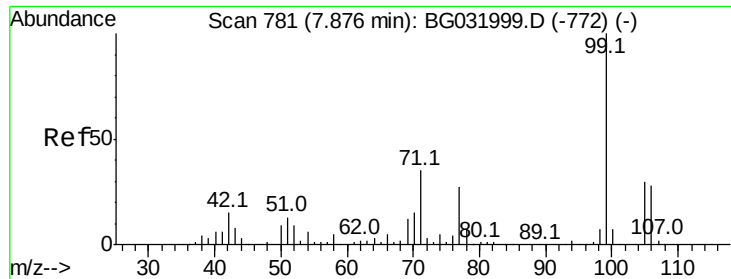


#5

2-Fluorophenol
Concen: 119.732 ng
RT: 6.16 min Scan# 489
Delta R.T. -0.01 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	56.3	84.5#
63	28.9	30.1	45.1#





#7

Phenol-d6

Concen: 118.288 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

Instrument :

BNA_G

ClientSampled :

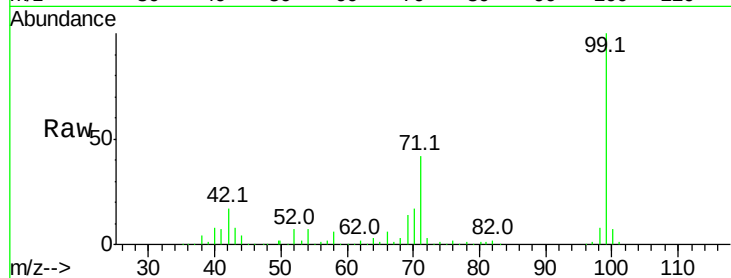
Tot Ion: 99 Resp: 354022

Ion Ratio Lower Upper

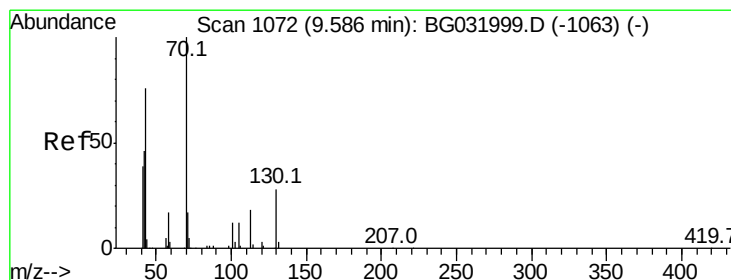
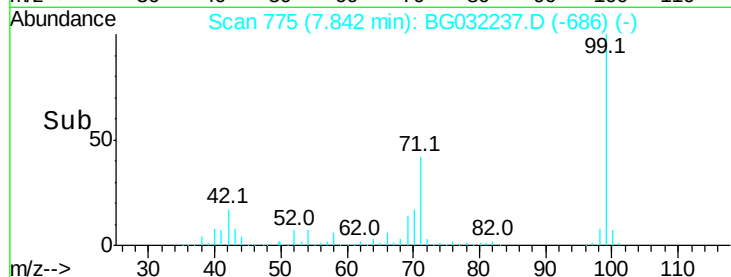
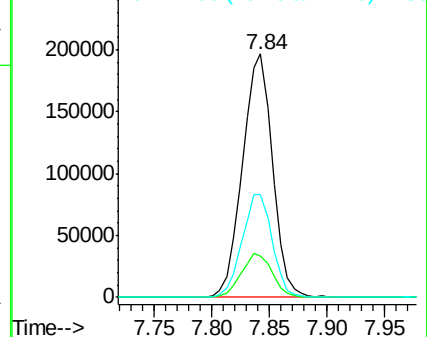
99 100

42 17.2 14.1 21.1

71 42.4 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: 16.429 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.37 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

Tgt Ion: 70 Resp: 30507

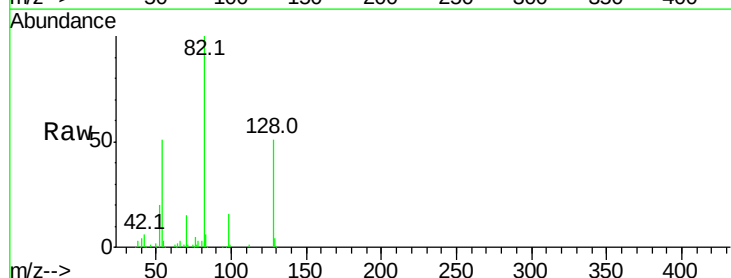
Ion Ratio Lower Upper

70 100

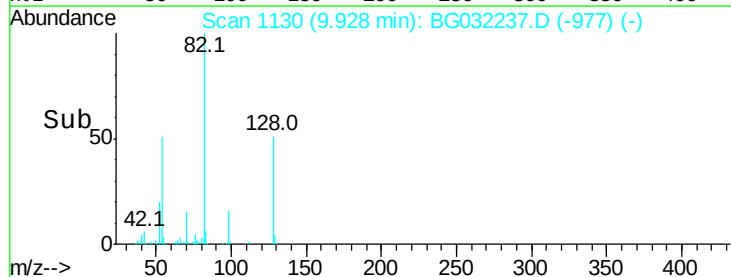
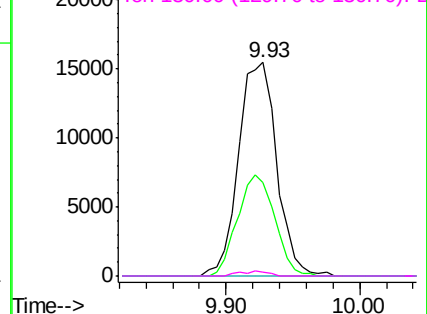
42 43.6 49.1 73.7#

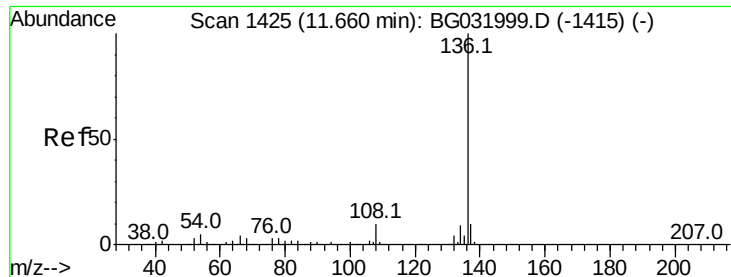
101 0.0 8.5 12.7#

130 1.9 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

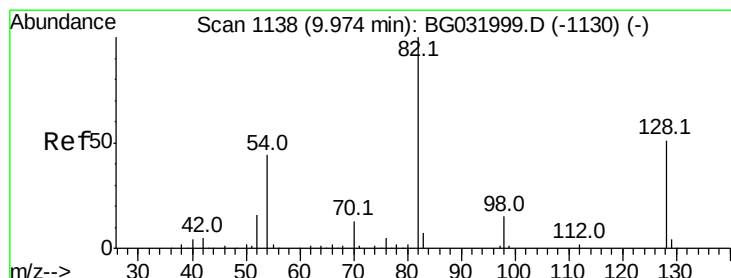
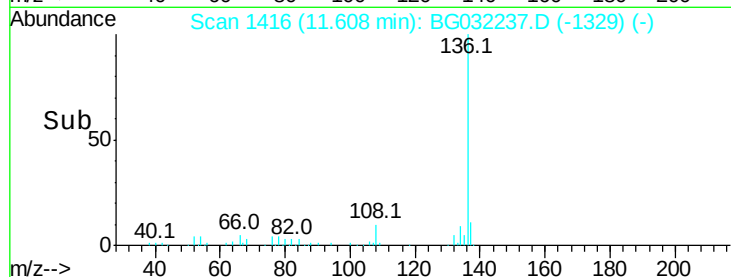
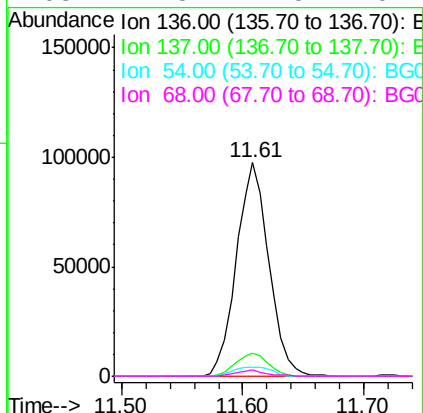
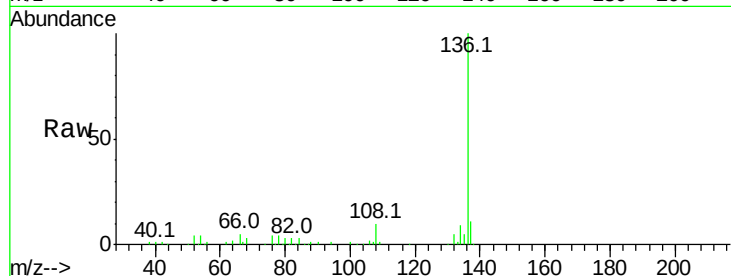




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

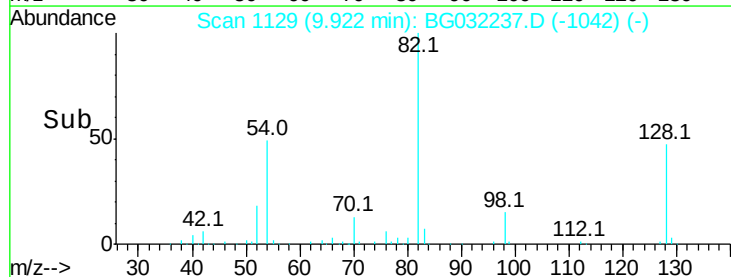
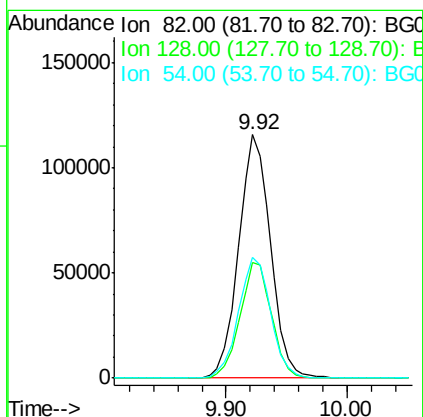
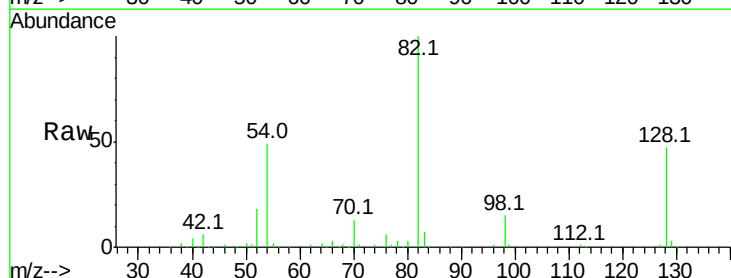
Instrument :
BNA_G
ClientSampled :

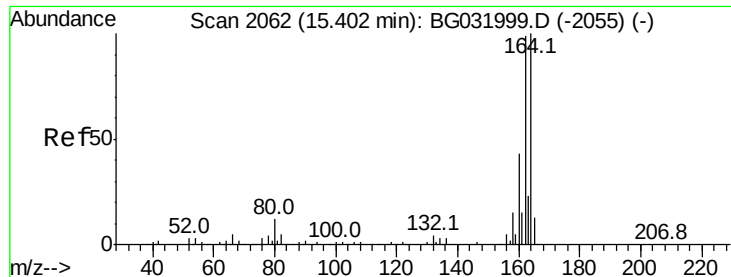
Tot Ion:	136	Resp:	182019
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	4.3	10.3	15.5#
68	2.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 78.943 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Tgt Ion:	82	Resp:	212390
Ion	Ratio	Lower	Upper
82	100		
128	47.3	29.7	44.5#
54	49.5	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

Instrument :

BNA_G

ClientSampled :

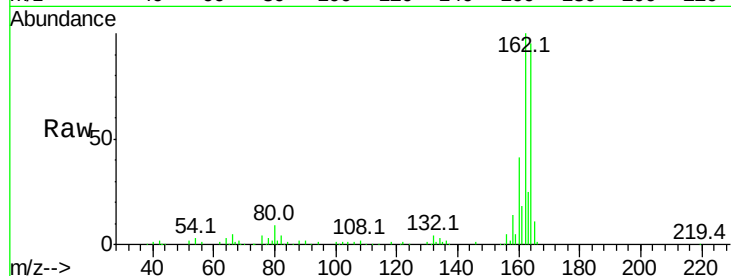
Tot Ion:164 Resp: 130051

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

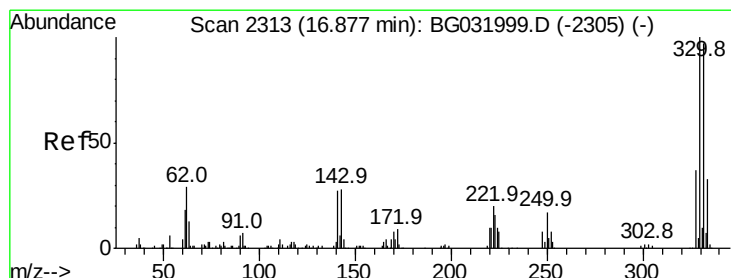
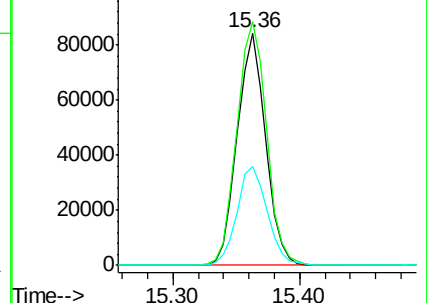
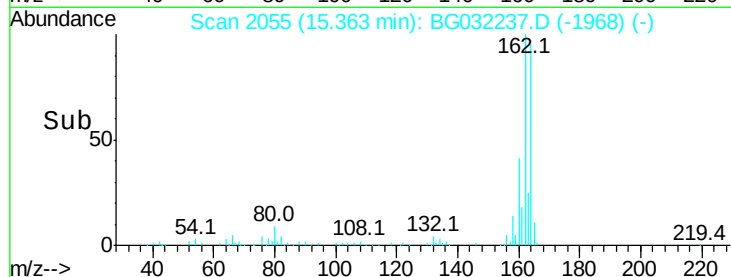
160 42.6 35.4 53.0



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: 102.857 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.02 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

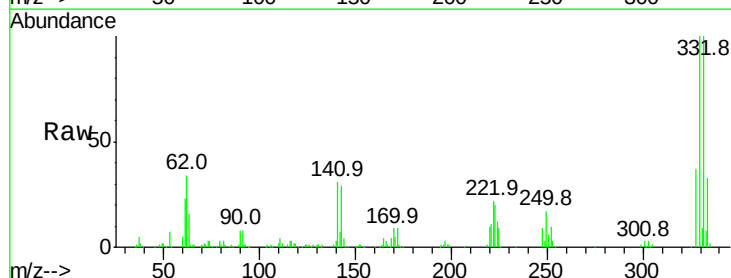
Tgt Ion:330 Resp: 221353

Ion Ratio Lower Upper

330 100

332 99.9 77.0 115.6

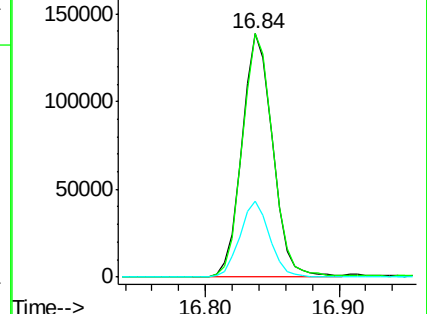
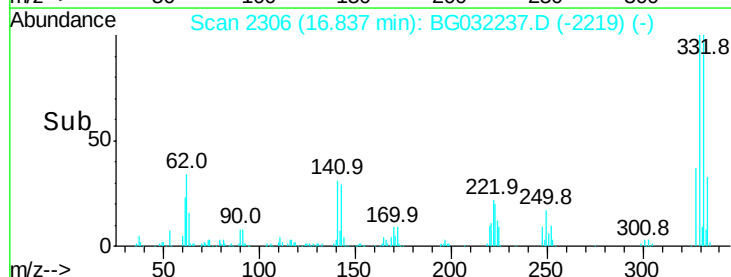
141 30.3 25.2 37.8

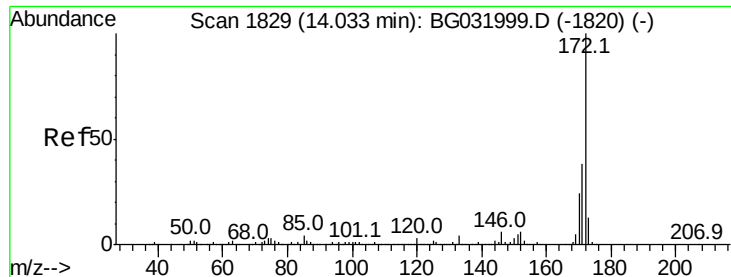


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

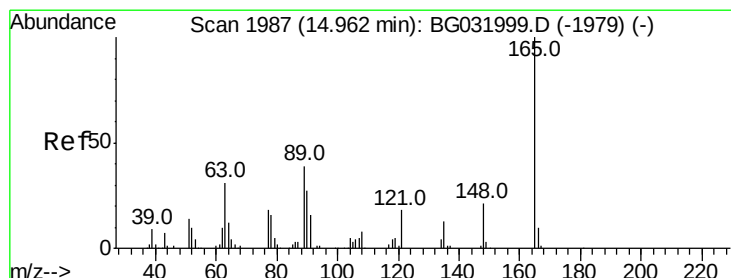
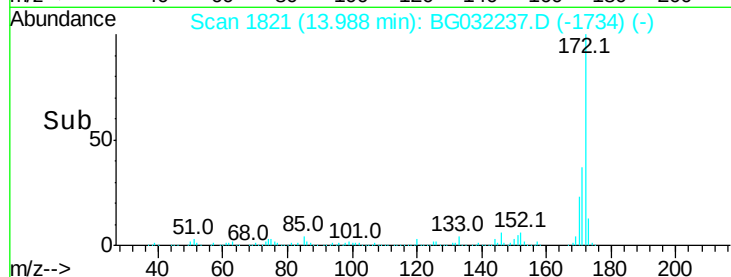
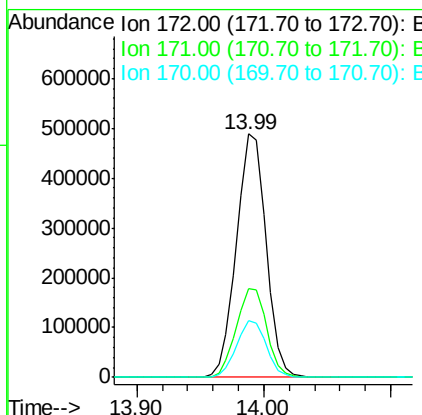
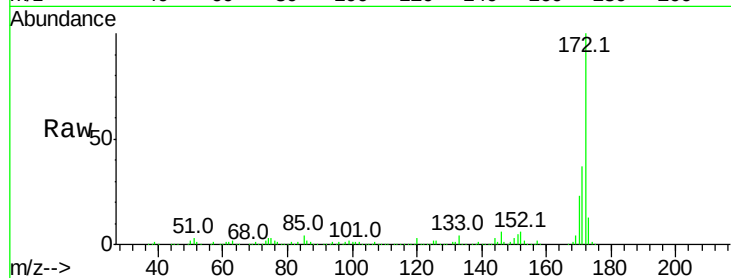




#44
 2-Fluorobiphenyl
 Concen: 75.493 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG032237.D
 Acq: 23 Jan 2018 18:32

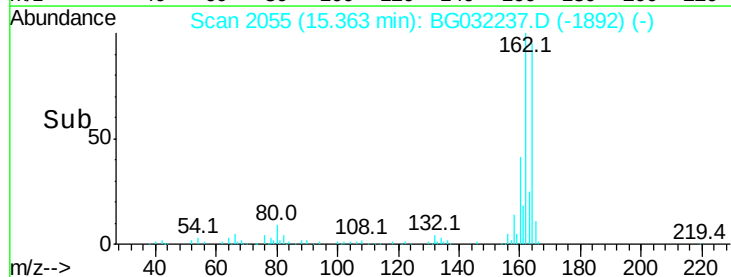
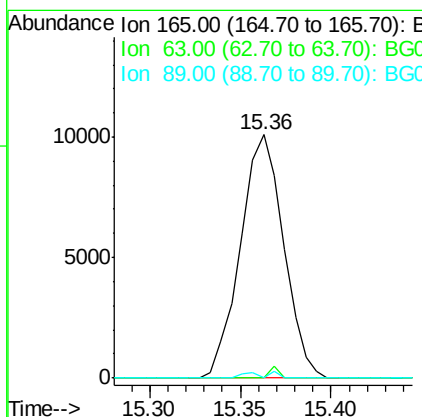
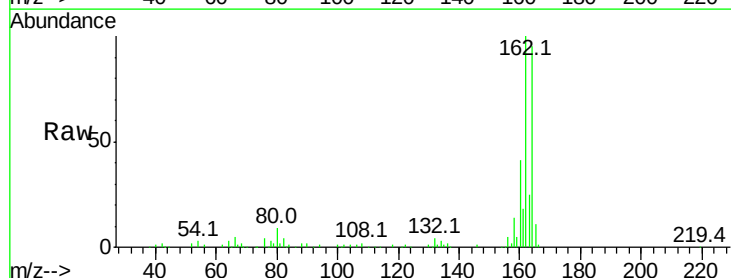
Instrument :
 BNA_G
 ClientSampleId :

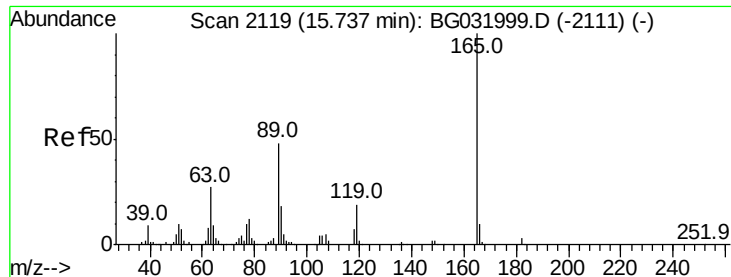
Tot Ion:172 Resp: 791798
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.0 45.0
 170 23.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.069 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.43 min
 Lab File: BG032237.D
 Acq: 23 Jan 2018 18:32

Tgt Ion:165 Resp: 16699
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

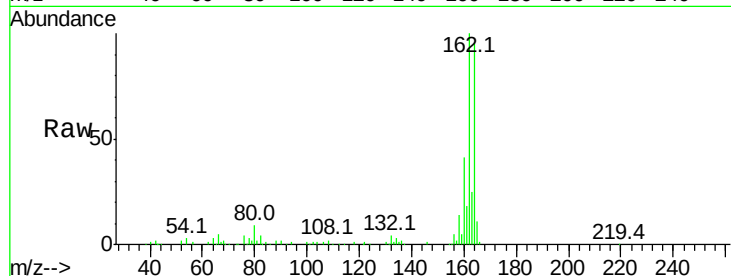




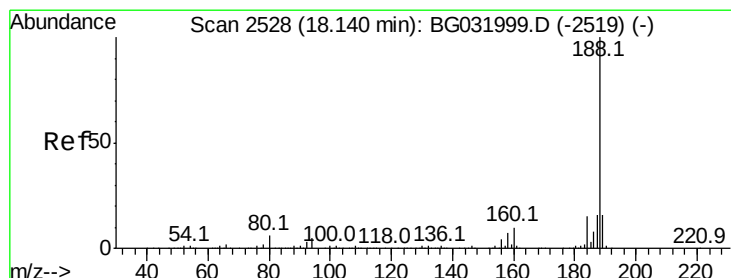
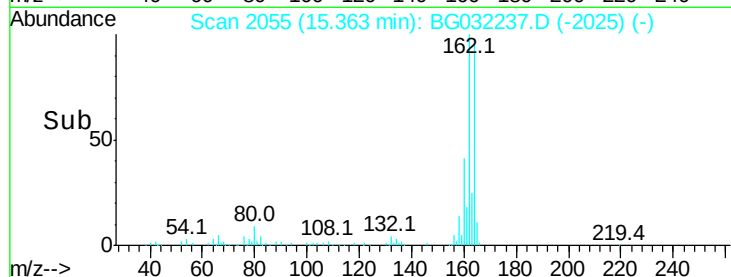
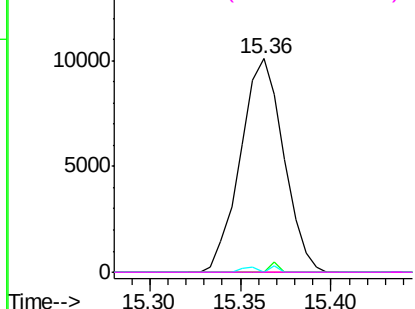
#56
2,4-Dinitrotoluene
Concen: 5.251 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.35 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16699
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#

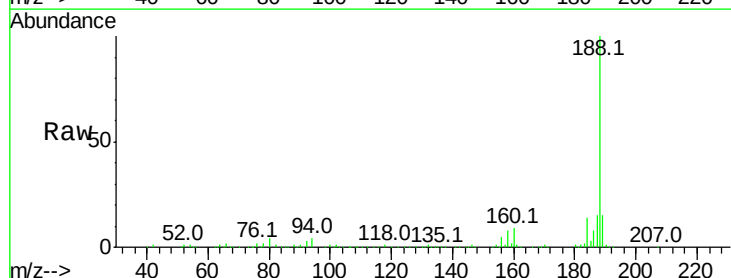


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

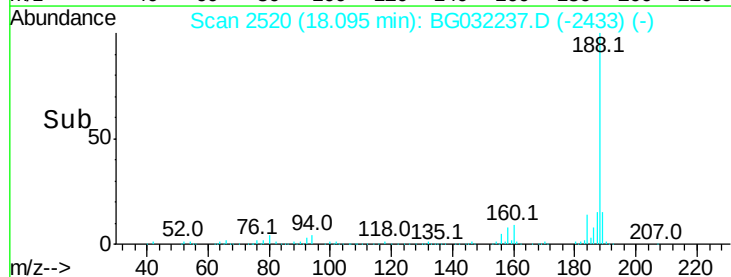
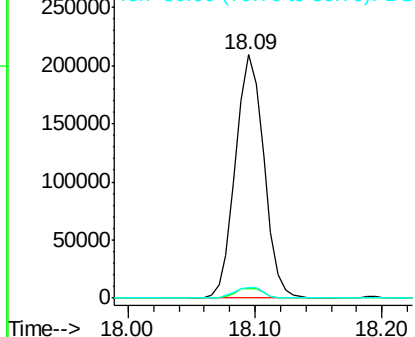


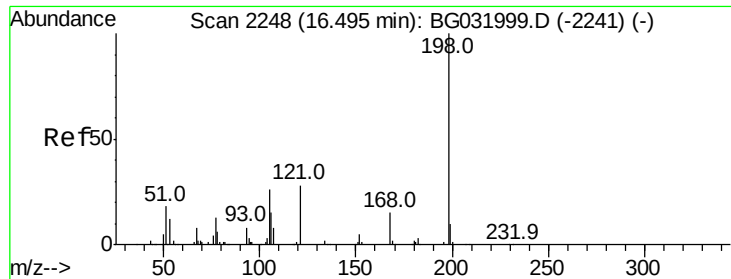
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Tgt Ion:188 Resp: 325622
Ion Ratio Lower Upper
188 100
94 3.9 6.9 10.3#
80 4.2 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: 5.183 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.36 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

Instrument :

BNA_G

ClientSampleId :

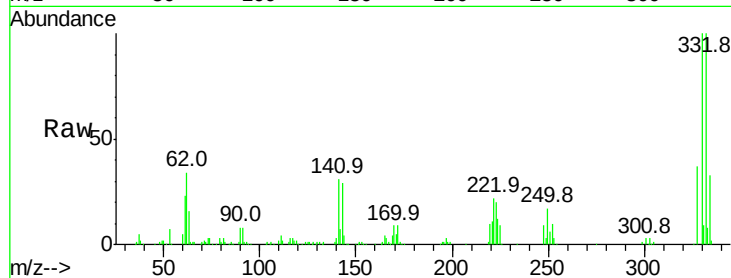
Tot Ion:198 Resp: 694

Ion Ratio Lower Upper

198 100

51 71.0 30.6 70.6#

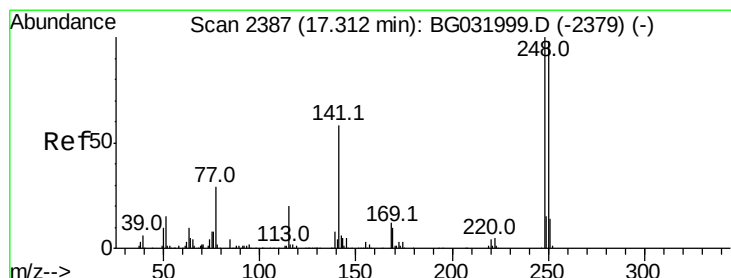
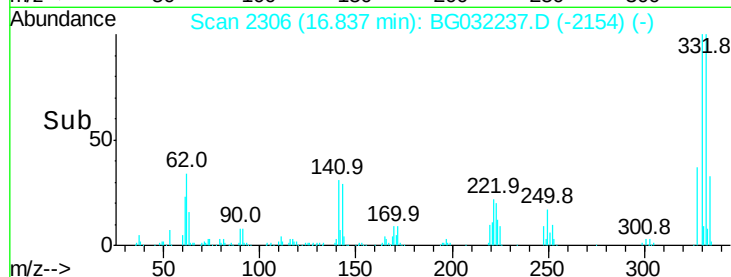
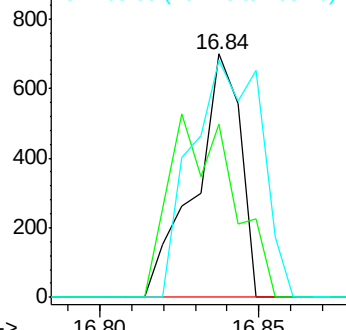
105 97.6 23.8 63.8#



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: 4.215 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.45 min

Lab File: BG032237.D

Acq: 23 Jan 2018 18:32

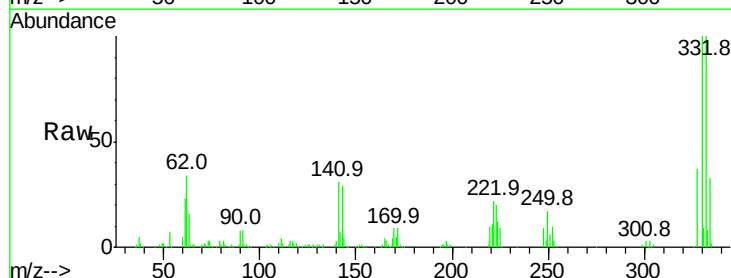
Tgt Ion:248 Resp: 19526

Ion Ratio Lower Upper

248 100

250 186.1 77.1 115.7#

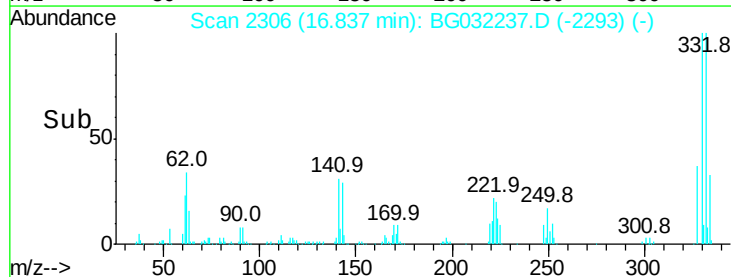
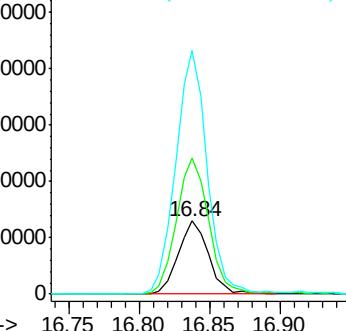
141 333.9 50.8 76.2#

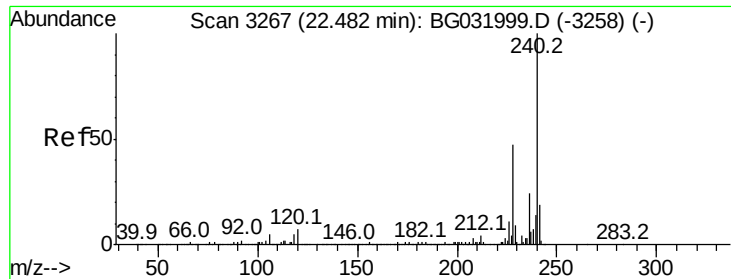


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

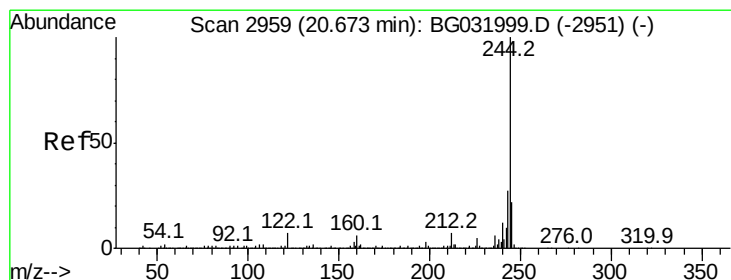
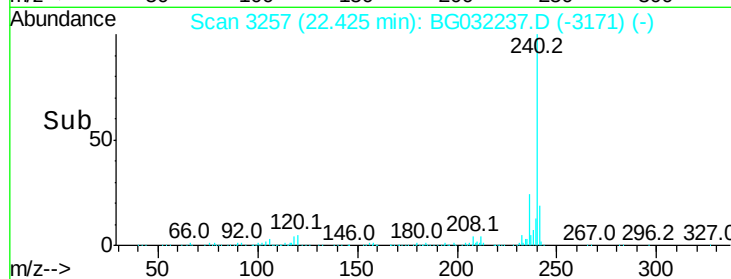
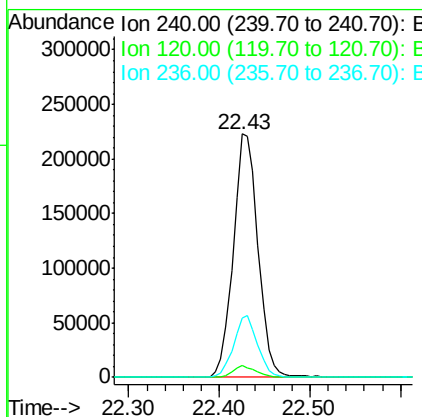
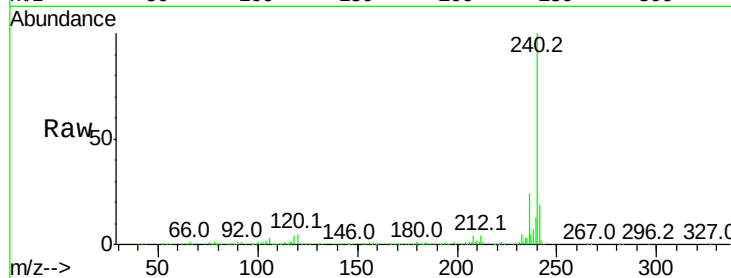




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.43 min Scan# 3257
 Delta R.T. -0.02 min
 Lab File: BG032237.D
 Acq: 23 Jan 2018 18:32

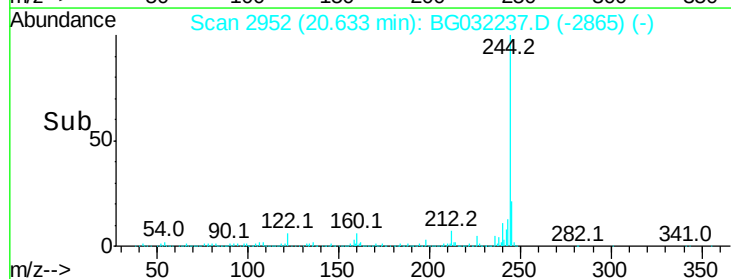
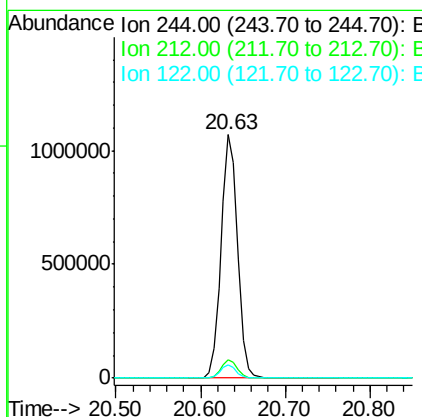
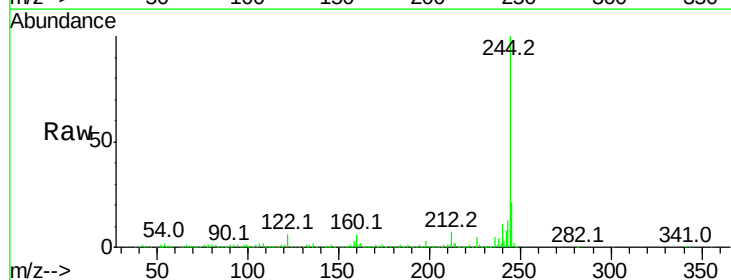
Instrument :
 BNA_G
 ClientSampleId :

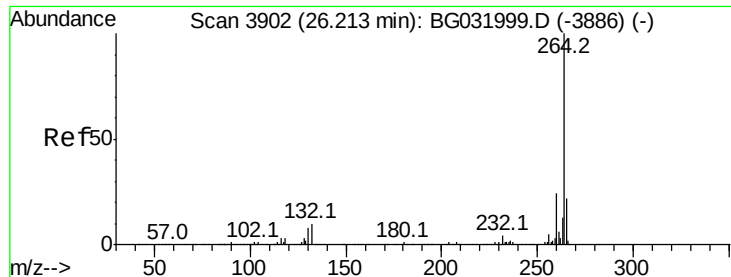
Tot Ion:240 Resp: 424034
 Ion Ratio Lower Upper
 240 100
 120 4.9 6.8 10.2#
 236 24.3 20.9 31.3



#78
 Terphenyl-d14
 Concen: 75.689 ng
 RT: 20.63 min Scan# 2952
 Delta R.T. -0.02 min
 Lab File: BG032237.D
 Acq: 23 Jan 2018 18:32

Tgt Ion:244 Resp: 1453534
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 5.6 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.12 min Scan# 3886
Delta R.T. -0.03 min
Lab File: BG032237.D
Acq: 23 Jan 2018 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	19.6	17.7	26.5

