

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032038.D
 Acq On : 15 Jan 2018 18:52
 Operator : SJ/JU
 Sample : PB105635BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 01:30:12 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

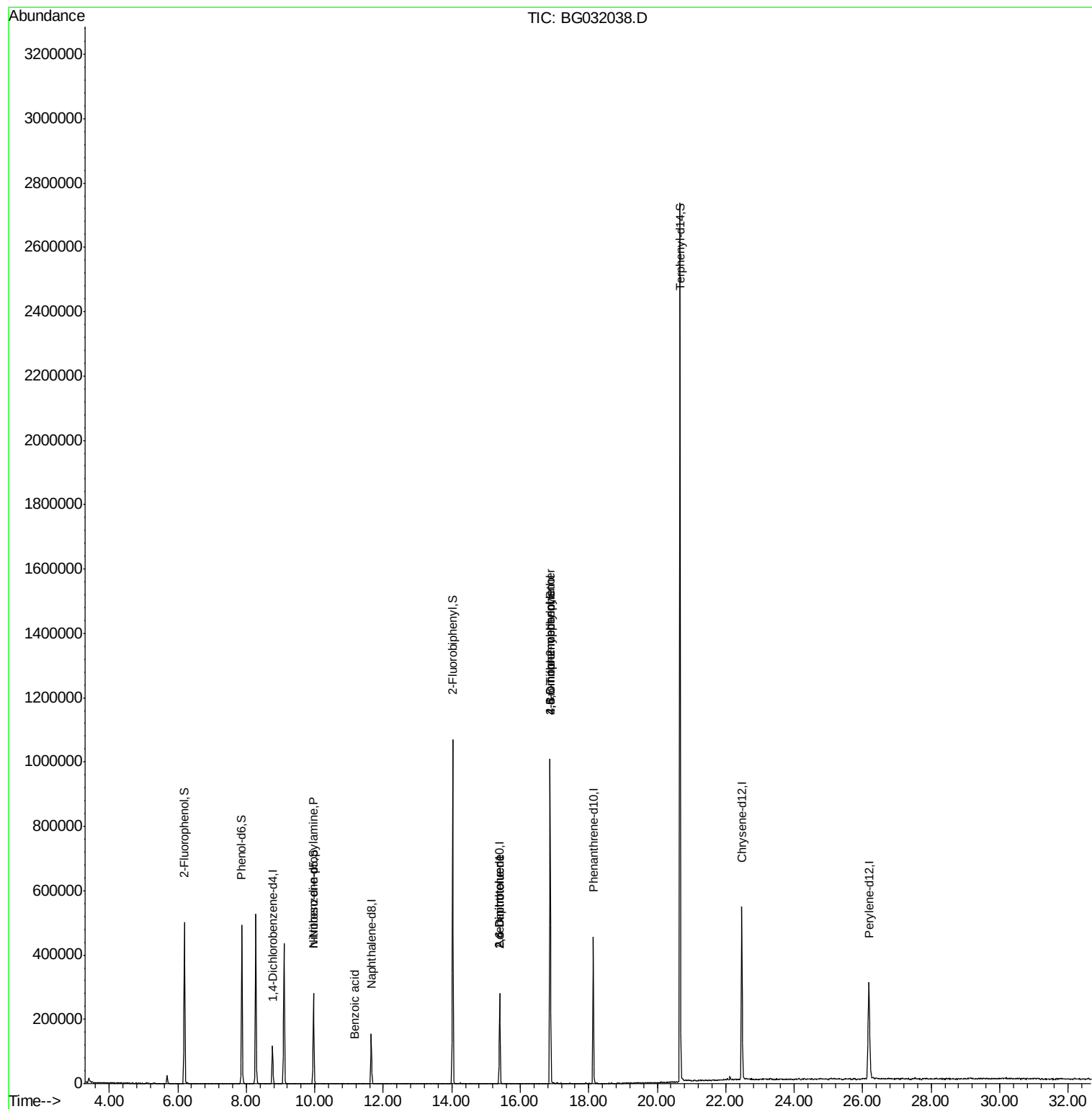
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	41163	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	157787	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	103731	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	310165	20.00	ng	-0.01
75) Chrysene-d12	22.46	240	414843	20.00	ng	-0.02
86) Perylene-d12	26.18	264	426762	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	264136	117.36	ng	0.00
7) Phenol-d6	7.87	99	319246	112.63	ng	0.00
23) Nitrobenzene-d5	9.96	82	181359	77.76	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	228646	133.20	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	648606	77.53	ng	0.00
78) Terphenyl-d14	20.66	244	1531293	81.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	24929	14.174	ng	# 71
32) Benzoic acid	11.18	122	67	5.290	ng	# 1
50) 2,6-Dinitrotoluene	15.40	165	13337	7.079	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	13337	5.258	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	436	5.082	ng	# 46
66) 4-Bromophenyl-phenylether	16.87	248	19054	4.318	ng	# 1

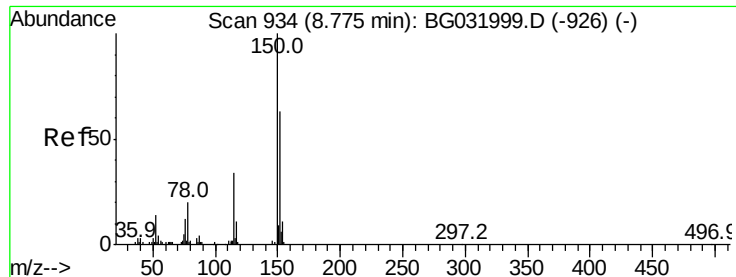
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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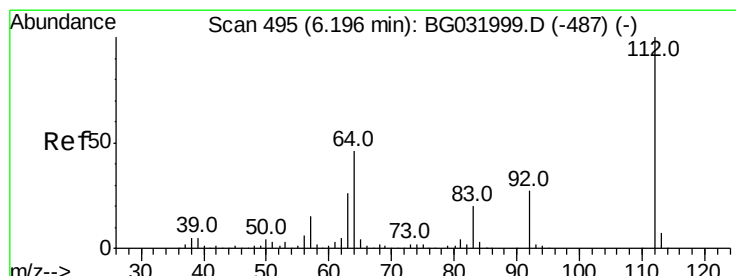
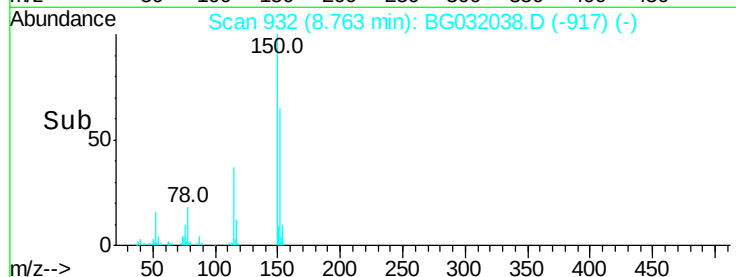
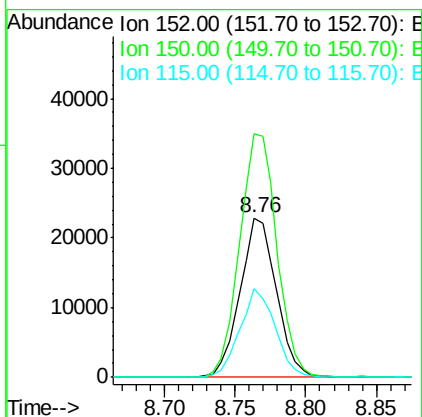
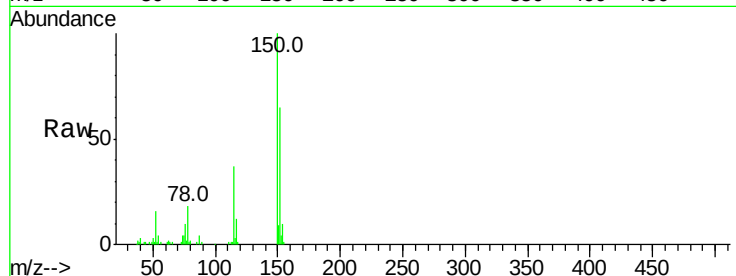


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Instrument :
BNA_G
ClientSampleId :

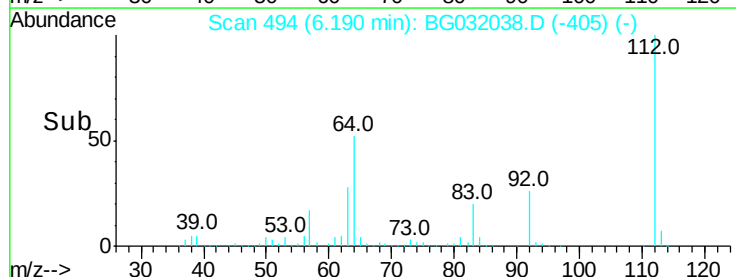
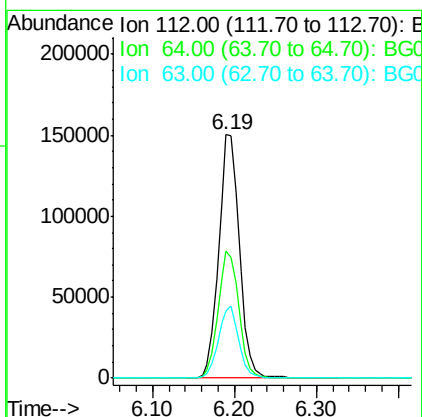
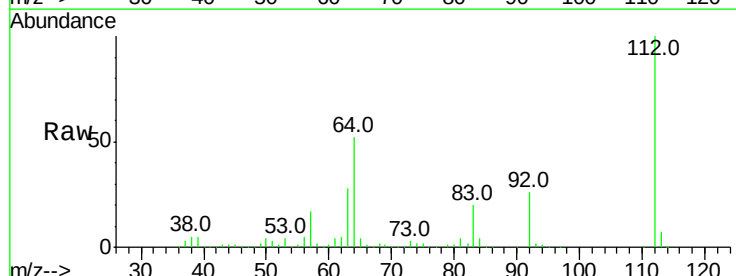
Tot Ion:152 Resp: 41163
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 56.1 53.0 79.4

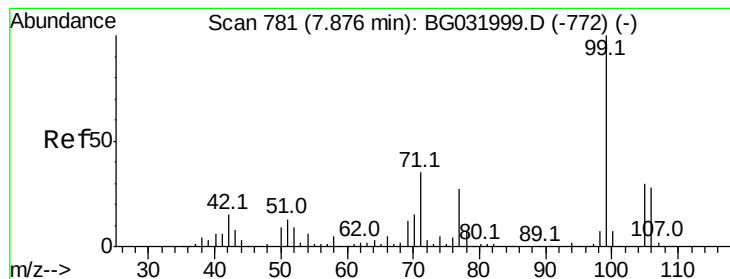


#5

2-Fluorophenol
Concen: 117.360 ng
RT: 6.19 min Scan# 494
Delta R.T. -0.01 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Tgt Ion:112 Resp: 264136
Ion Ratio Lower Upper
112 100
64 52.4 56.3 84.5#
63 27.6 30.1 45.1#





#7

Phenol-d6

Concen: 112.626 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

Instrument :

BNA_G

ClientSampleId :

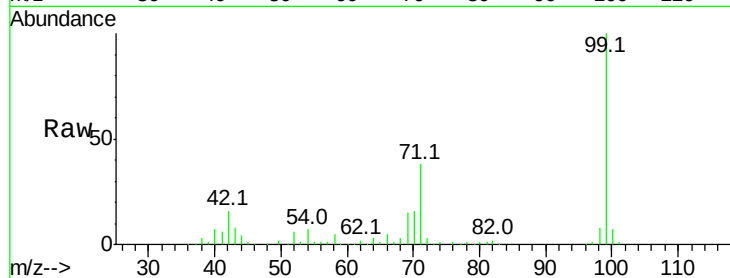
Tot Ion: 99 Resp: 319246

Ion Ratio Lower Upper

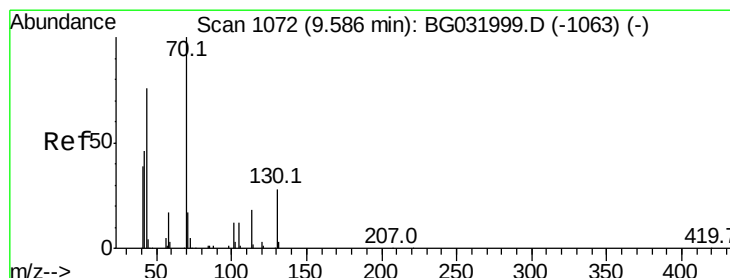
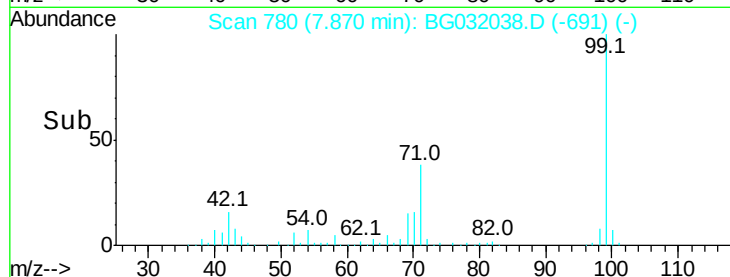
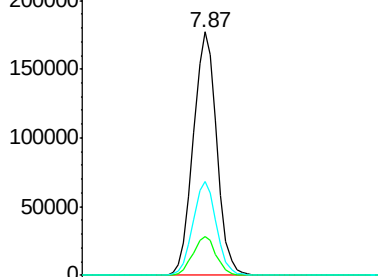
99 100

42 15.7 14.1 21.1

71 38.4 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: 14.174 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

Tgt Ion: 70 Resp: 24929

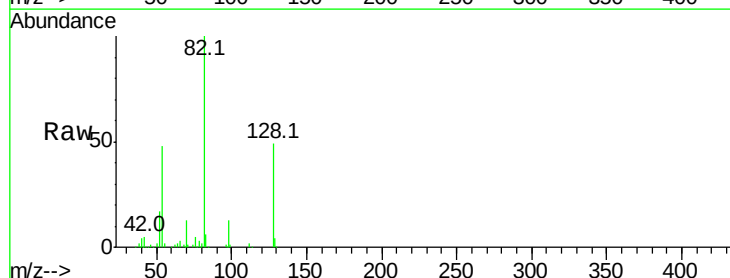
Ion Ratio Lower Upper

70 100

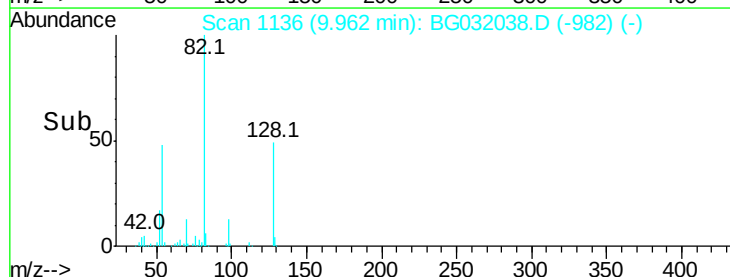
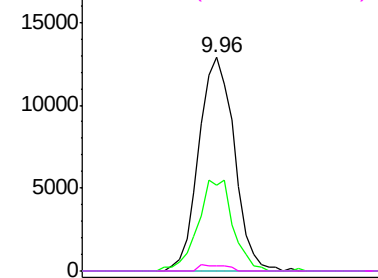
42 40.2 49.1 73.7#

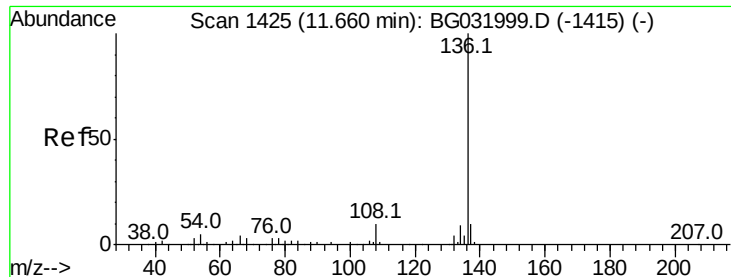
101 0.0 8.5 12.7#

130 2.7 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

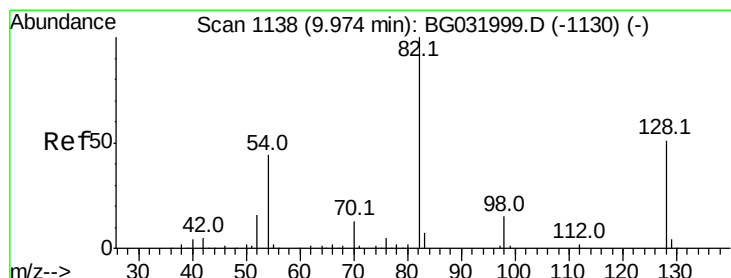
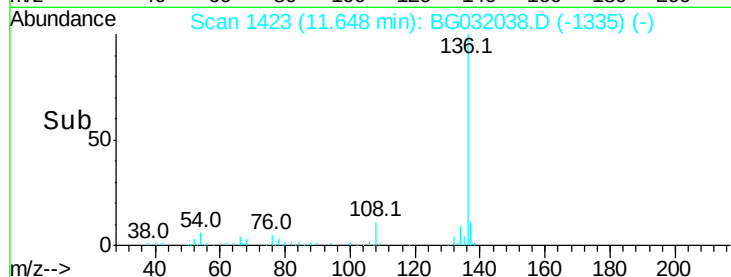
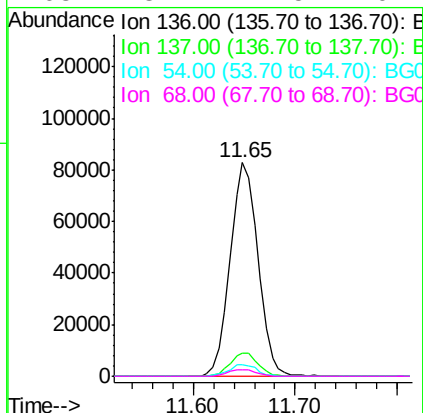
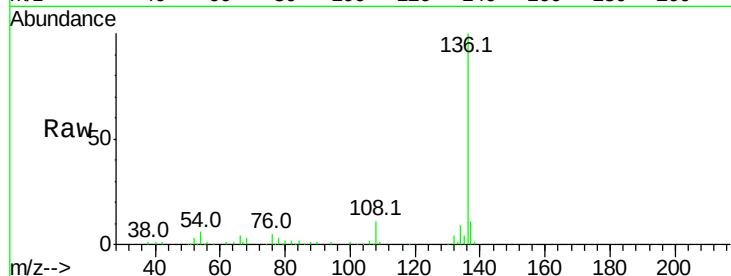




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

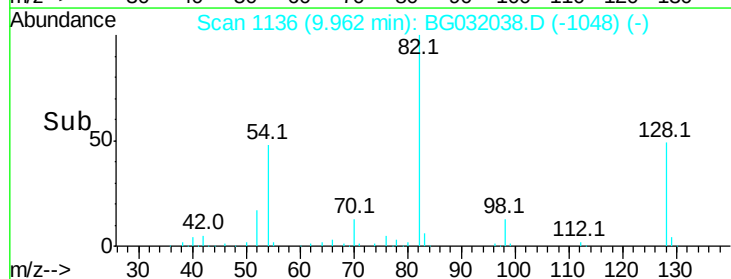
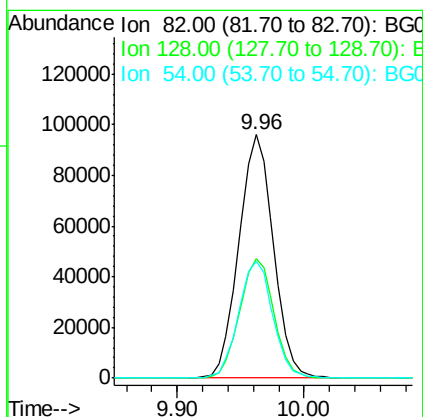
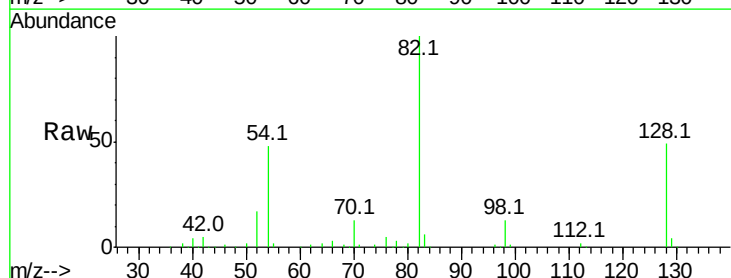
Instrument :
BNA_G
ClientSampleId :

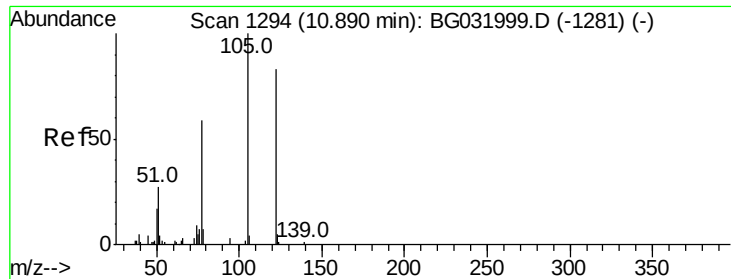
Tot Ion:136	Resp:	157787
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.2 13.8
54	5.5	10.3 15.5#
68	3.2	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 77.761 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Tgt Ion: 82	Resp:	181359
Ion	Ratio	Lower Upper
82	100	
128	48.9	29.7 44.5#
54	48.2	43.1 64.7

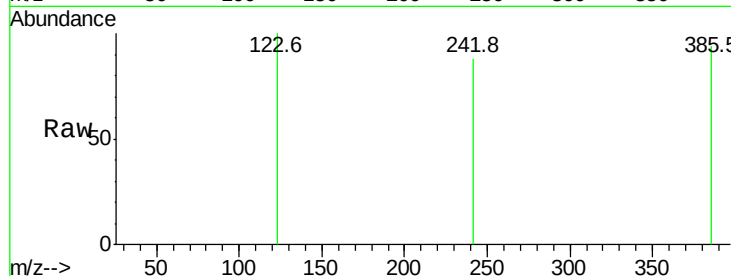




#32
Benzoic acid
Concen: 5.290 ng
RT: 11.18 min Scan# 1343
Delta R.T. 0.29 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

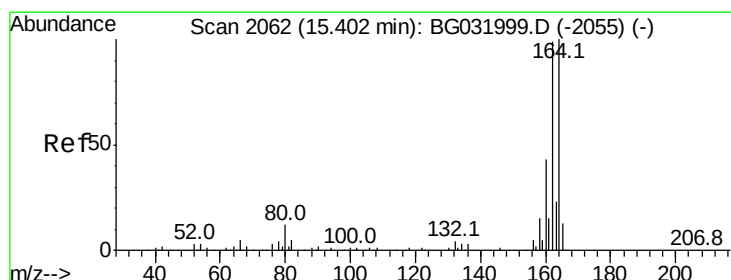
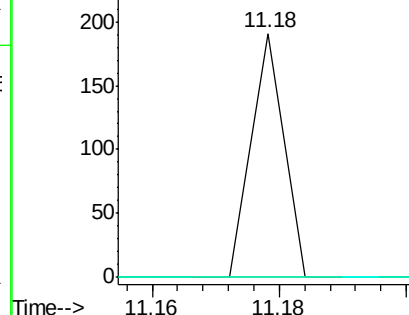
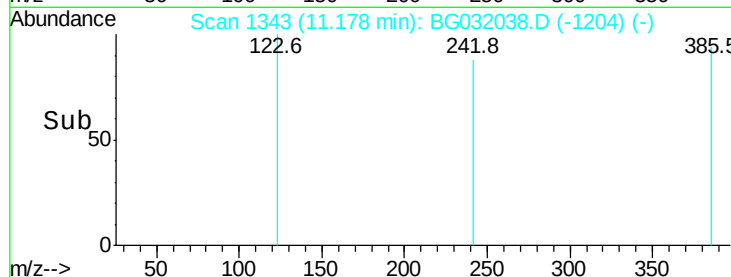
Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



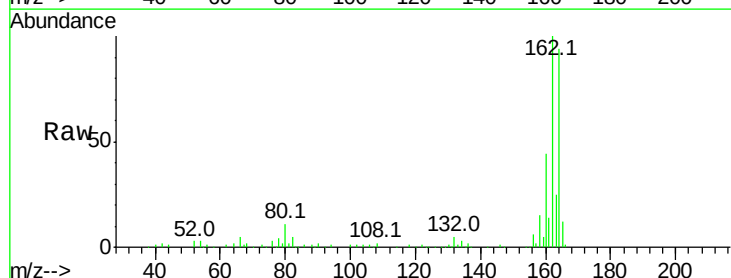
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

11.18



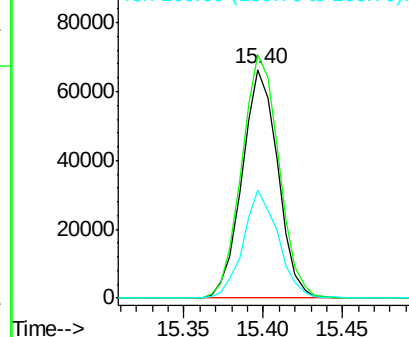
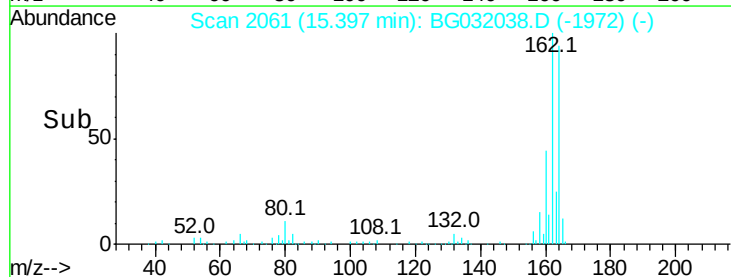
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

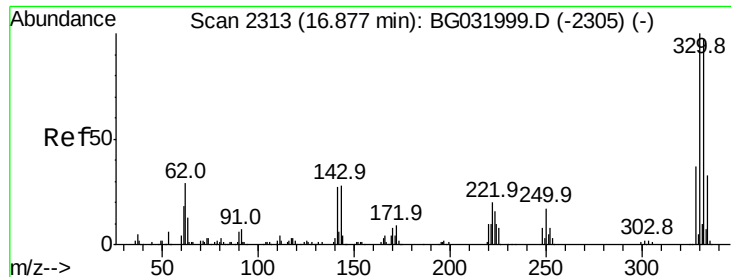
Tgt Ion:164 Resp: 103731
Ion Ratio Lower Upper
164 100
162 106.7 78.8 118.2
160 47.0 35.4 53.0



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

15.40





#41

2,4,6-Tribromophenol

Concen: 133.204 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

Instrument :

BNA_G

ClientSampleId :

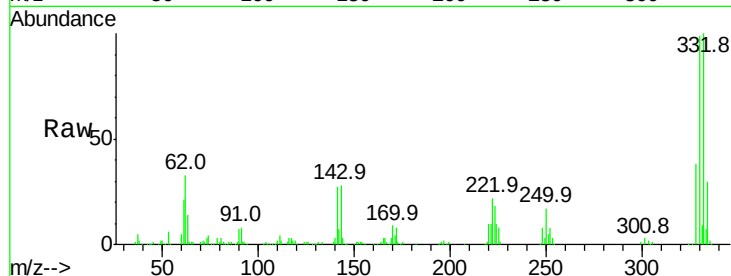
Tot Ion:330 Resp: 228646

Ion Ratio Lower Upper

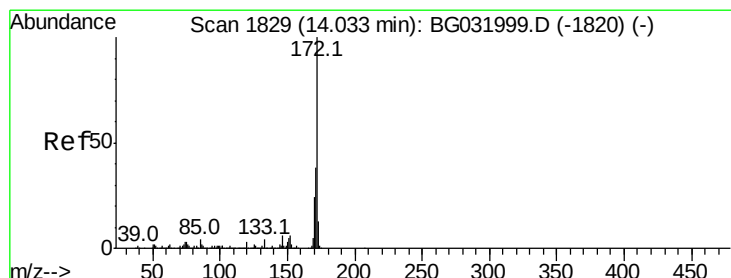
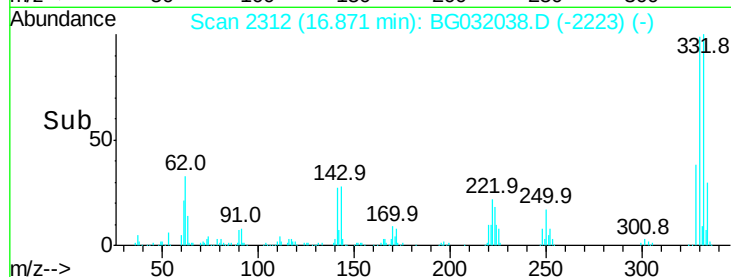
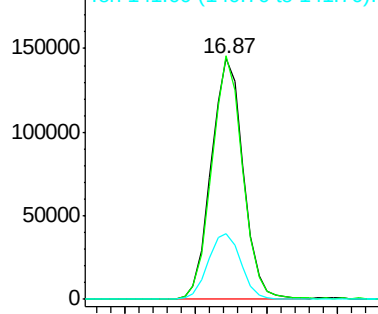
330 100

332 98.4 77.0 115.6

141 0.0 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: 77.531 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

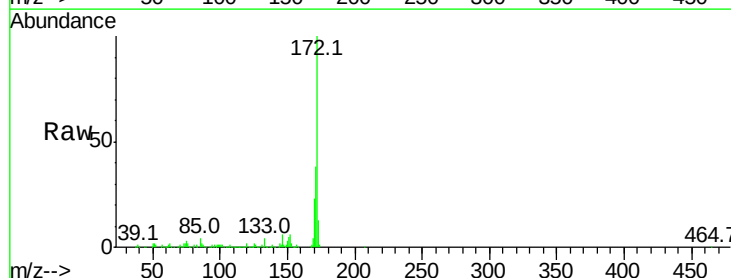
Tgt Ion:172 Resp: 648606

Ion Ratio Lower Upper

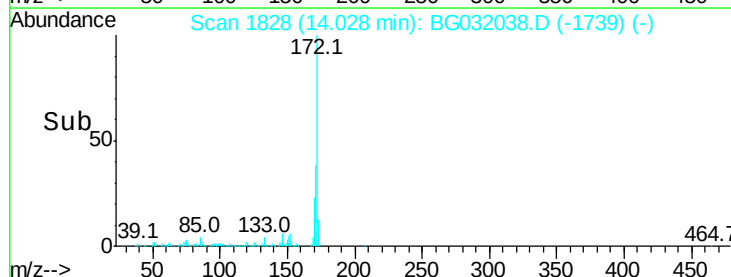
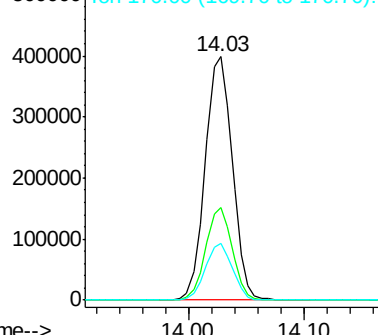
172 100

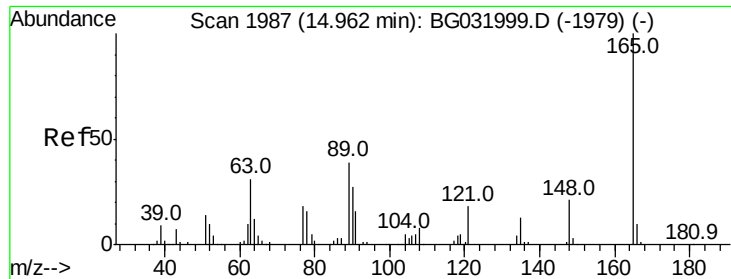
171 37.9 30.0 45.0

170 23.2 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

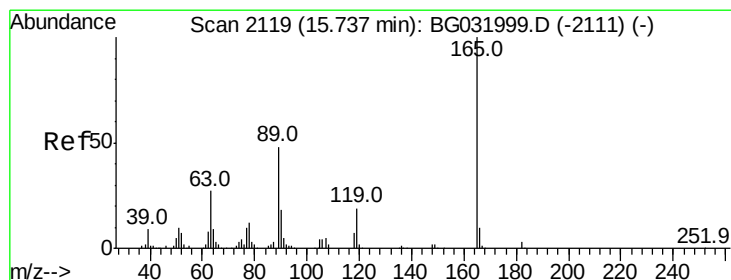
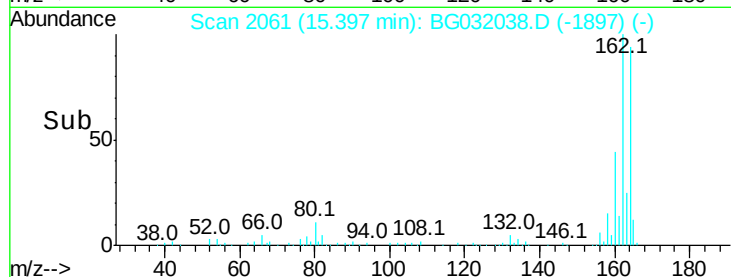
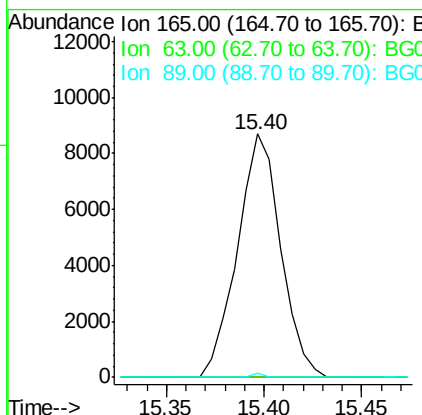
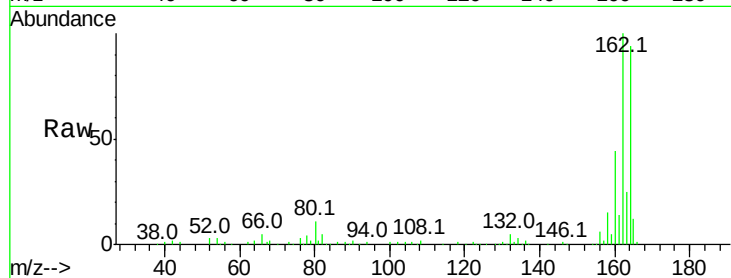




#50
2,6-Dinitrotoluene
Concen: 7.079 ng
RT: 15.40 min Scan# 2061
Delta R.T. 0.43 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

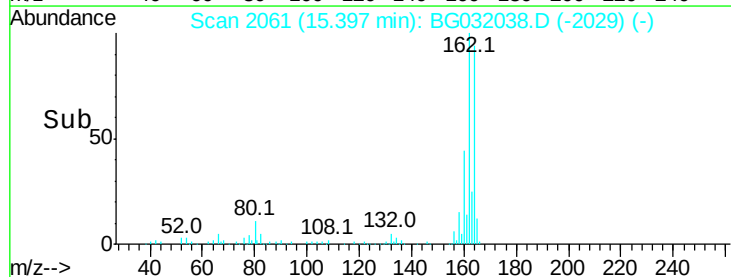
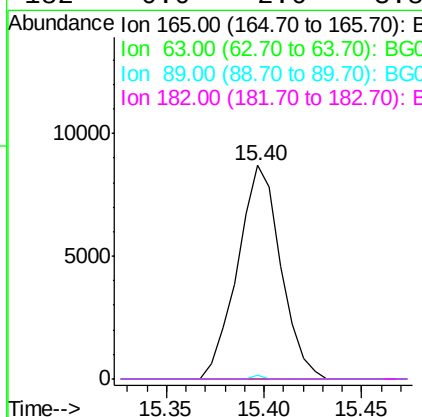
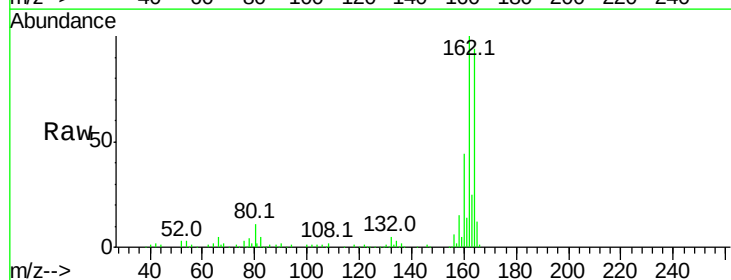
Instrument :
BNA_G
ClientSampleId :

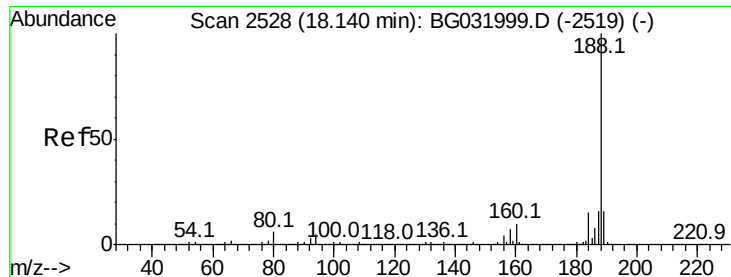
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.9	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.258 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Tgt 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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

Instrument :

BNA_G

ClientSampleId :

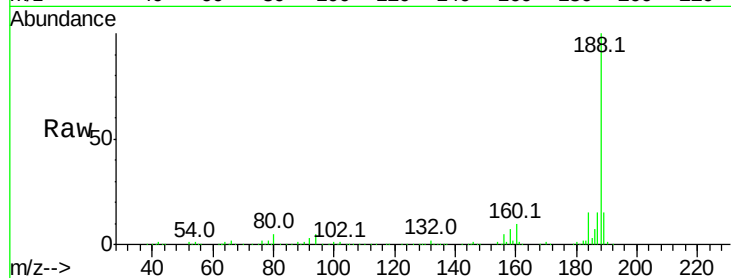
Tot Ion:188 Resp: 310165

Ion Ratio Lower Upper

188 100

94 5.0 6.9 10.3#

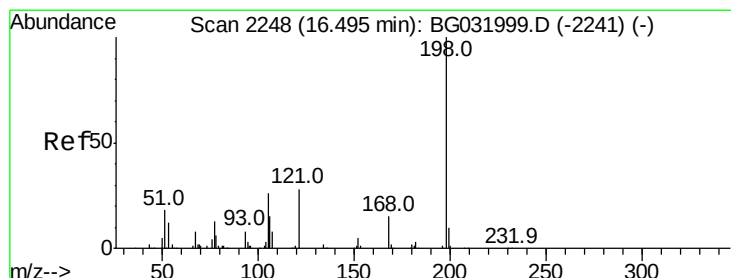
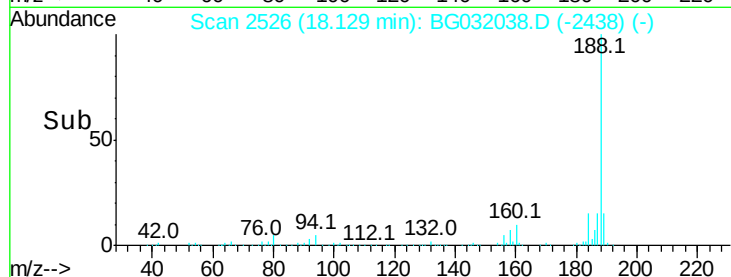
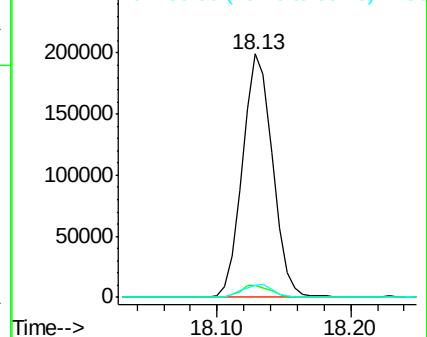
80 4.9 7.7 11.5#



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: 5.082 ng

RT: 16.87 min Scan# 2311

Delta R.T. 0.37 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

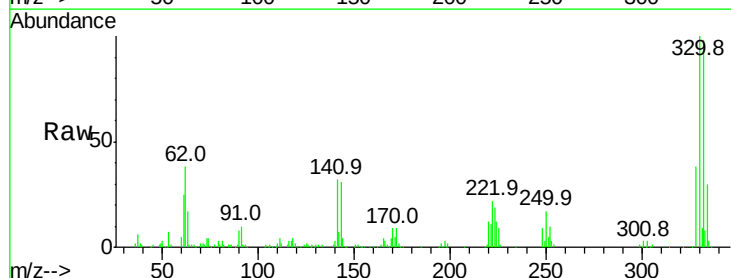
Tgt Ion:198 Resp: 436

Ion Ratio Lower Upper

198 100

51 69.7 30.6 70.6

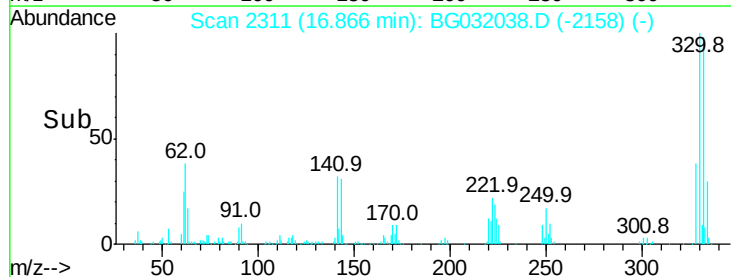
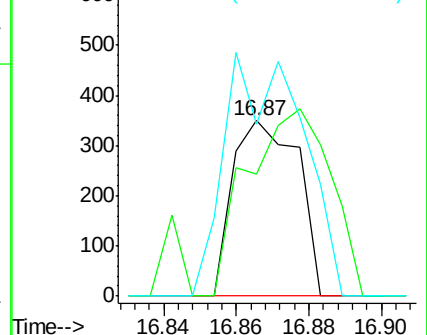
105 98.3 23.8 63.8#

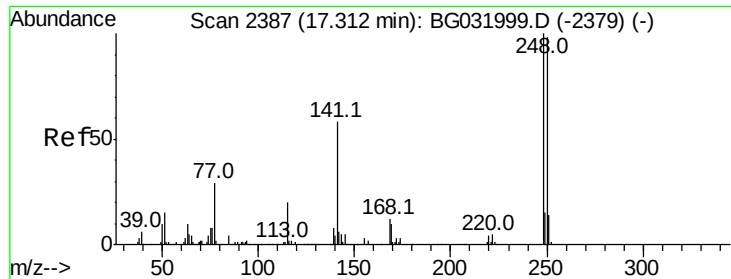


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

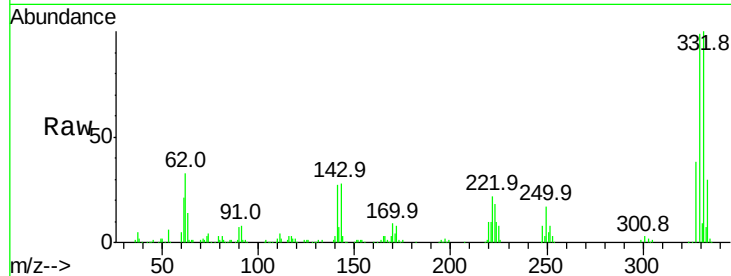




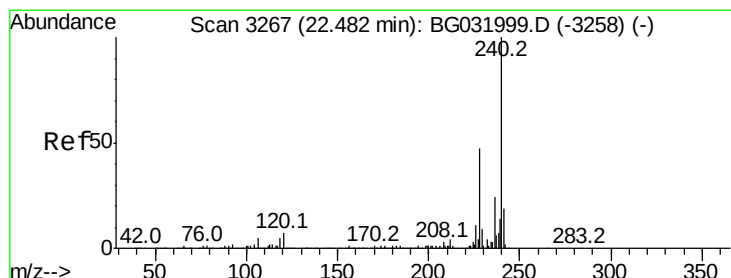
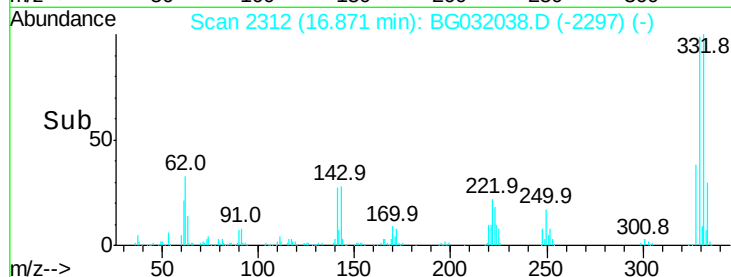
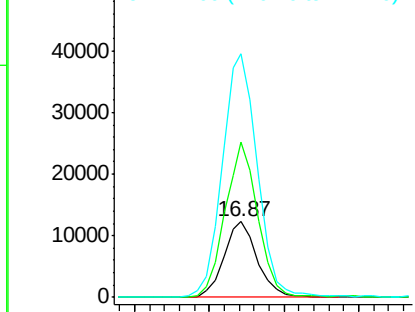
#66
4-Bromophenyl-phenylether
Concen: 4.318 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19054
Ion Ratio Lower Upper
248 100
250 206.0 77.1 115.7#
141 323.1 50.8 76.2#

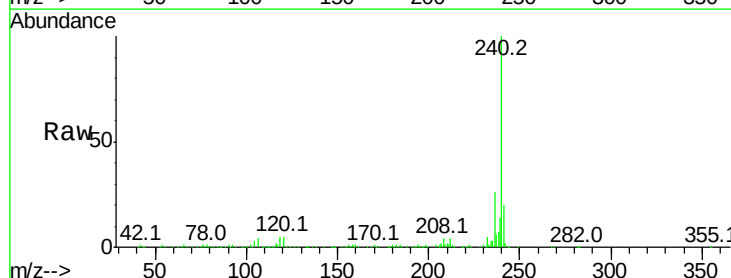


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

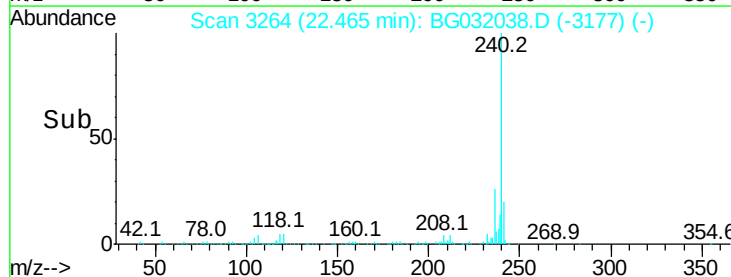
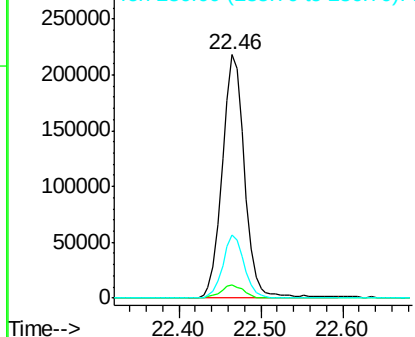


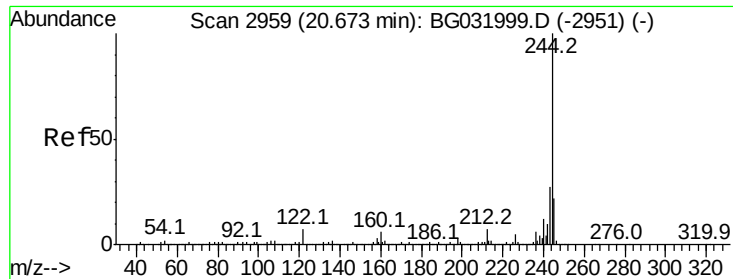
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.46 min Scan# 3264
Delta R.T. -0.02 min
Lab File: BG032038.D
Acq: 15 Jan 2018 18:52

Tgt Ion:240 Resp: 414843
Ion Ratio Lower Upper
240 100
120 5.3 6.8 10.2#
236 26.0 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: 81.505 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

Instrument :

BNA_G

ClientSampleId :

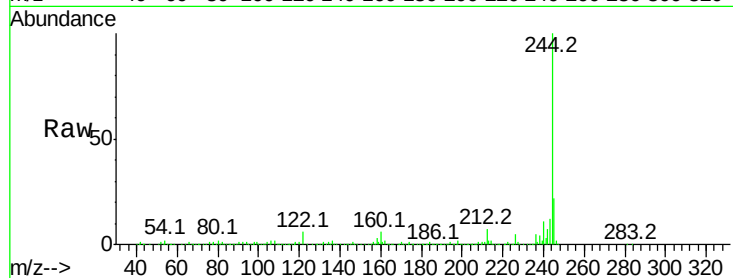
Tot Ion:244 Resp: 1531293

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

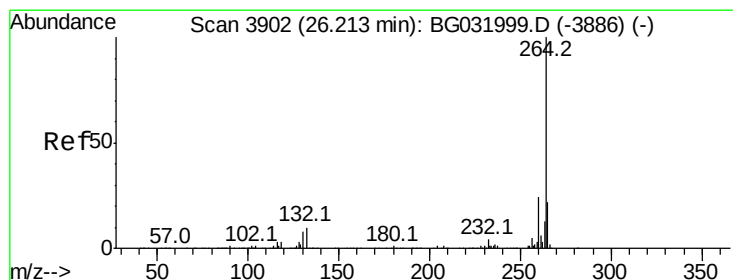
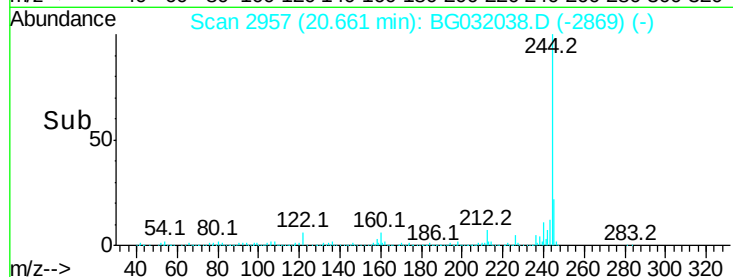
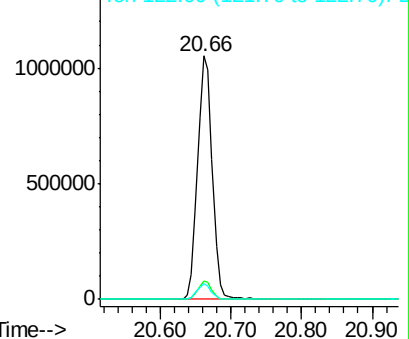
122 6.4 7.0 10.4#



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: 26.18 min Scan# 3896

Delta R.T. -0.04 min

Lab File: BG032038.D

Acq: 15 Jan 2018 18:52

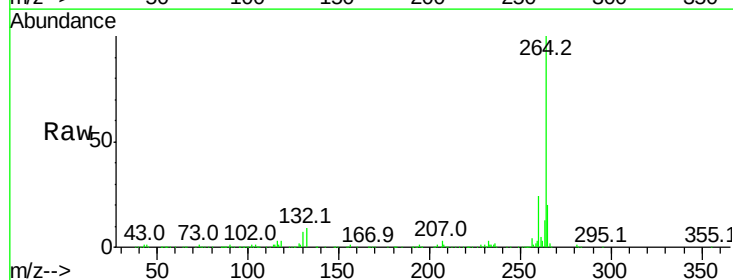
Tgt Ion:264 Resp: 426762

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 19.9 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

