

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031911.D
 Acq On : 4 Jan 2018 4:30
 Operator : SJ/JU
 Sample : J1019-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 08:14:54 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

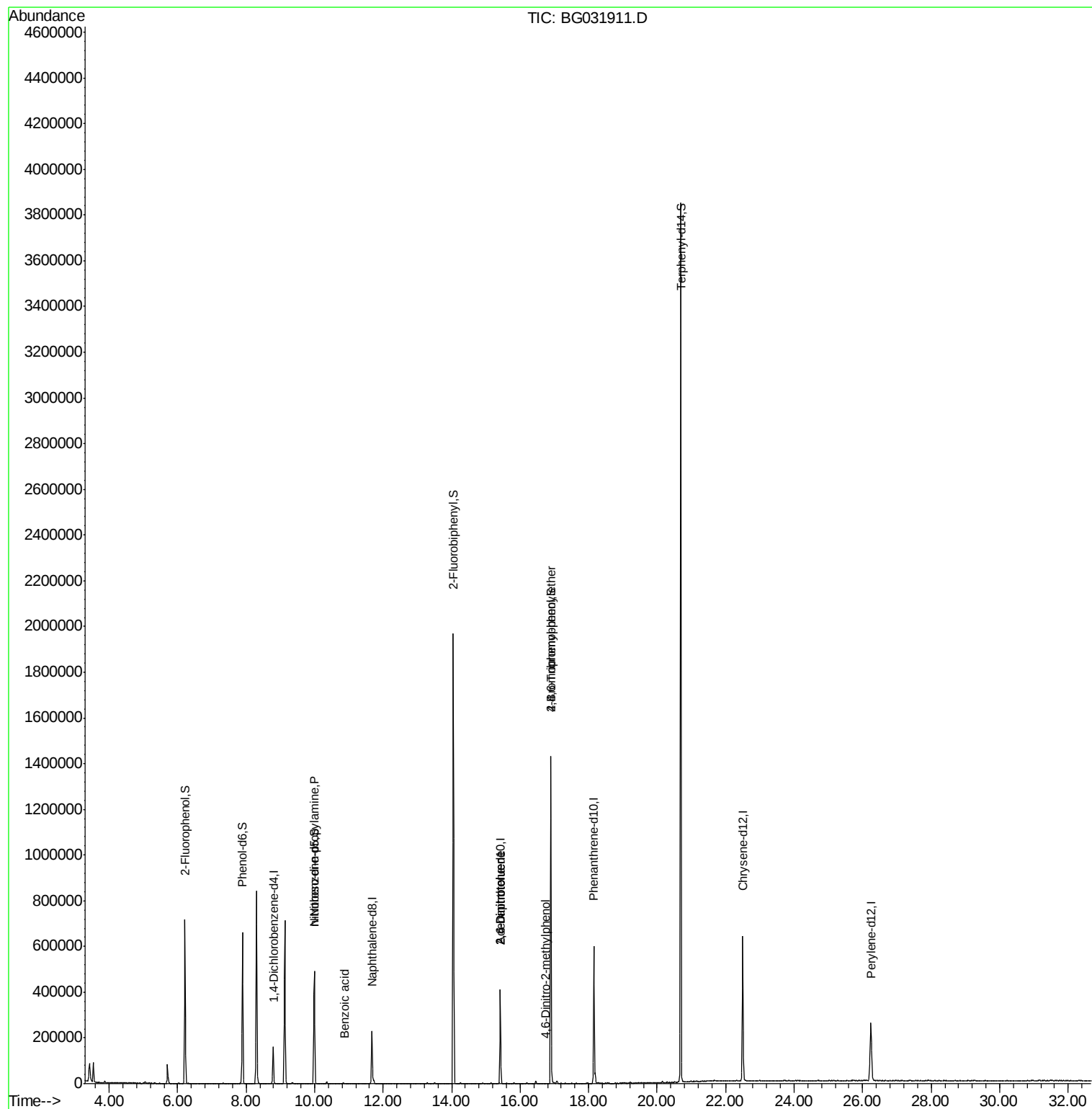
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	57229	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	231360	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	162102	20.00	ng	0.00
63) Phenanthrene-d10	18.15	188	423240	20.00	ng	0.00
75) Chrysene-d12	22.50	240	472450	20.00	ng	0.00
86) Perylene-d12	26.24	264	346241	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	402644	128.15	ng	0.00
7) Phenol-d6	7.89	99	459970	112.75	ng	0.00
23) Nitrobenzene-d5	9.98	82	327488	106.89	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	354256	143.22	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1176055	91.06	ng	0.00
78) Terphenyl-d14	20.69	244	2081177	100.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	44387	15.932	ng	# 71
32) Benzoic acid	10.89	122	342	6.818	ng	# 76
50) 2,6-Dinitrotoluene	15.42	165	21722	8.269	ng	# 19
56) 2,4-Dinitrotoluene	15.42	165	21722	6.430	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.73	198	61	8.330	ng	# 30
66) 4-Bromophenyl-phenylether	16.89	248	28285	4.622	ng	# 1

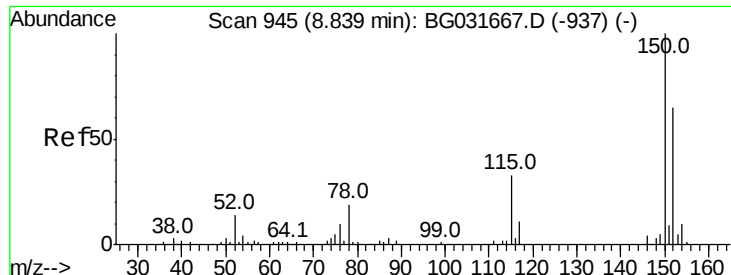
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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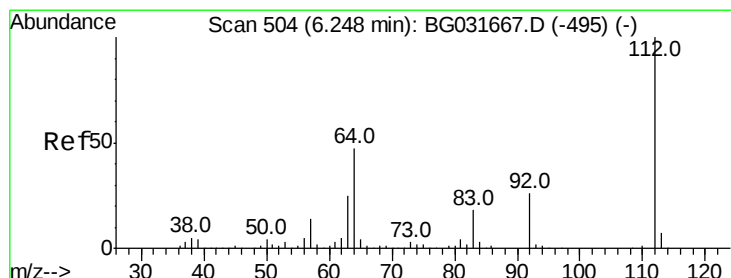
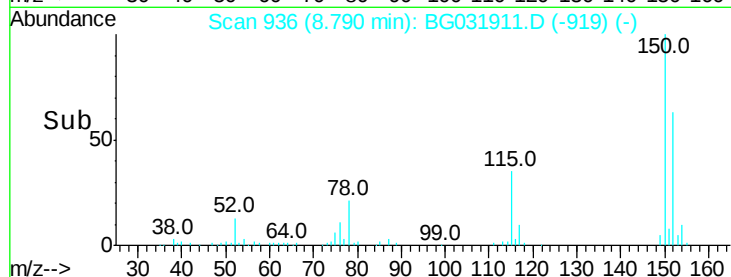
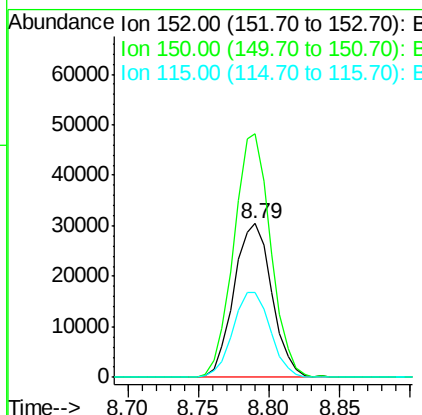
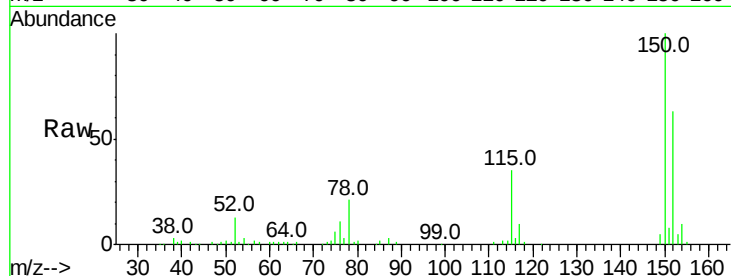


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.00 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Instrument :
BNA_G
ClientSampleId :

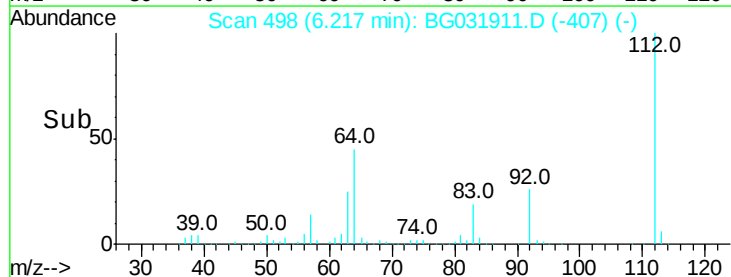
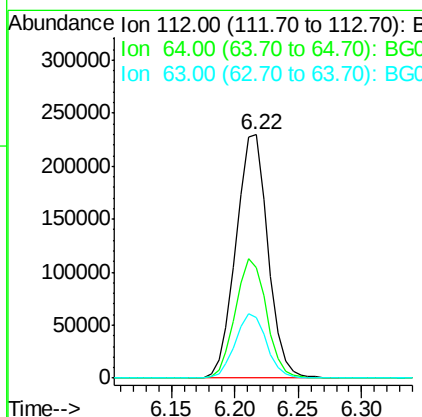
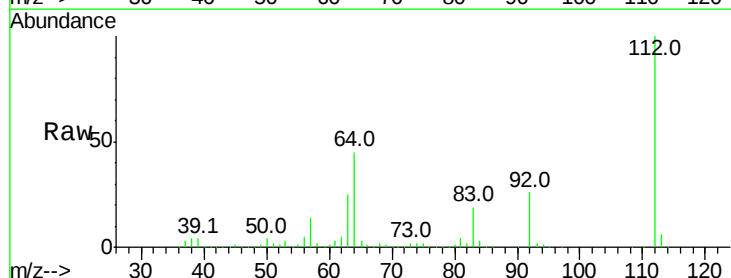
Tot Ion:152 Resp: 57229
Ion Ratio Lower Upper
152 100
150 158.2 126.6 189.8
115 54.8 53.0 79.4

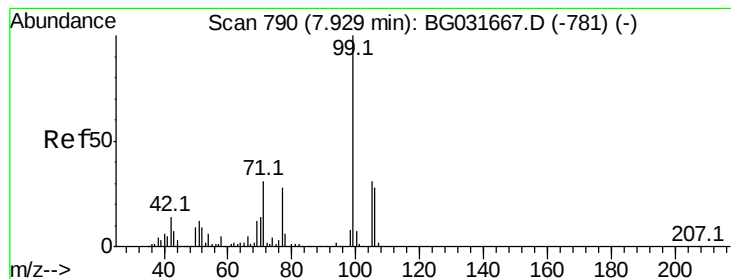


#5

2-Fluorophenol
Concen: 128.146 ng
RT: 6.22 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Tgt Ion:112 Resp: 402644
Ion Ratio Lower Upper
112 100
64 45.5 56.3 84.5#
63 25.0 30.1 45.1#





#7

Phenol-d6

Concen: 112.753 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

Instrument :

BNA_G

ClientSampleId :

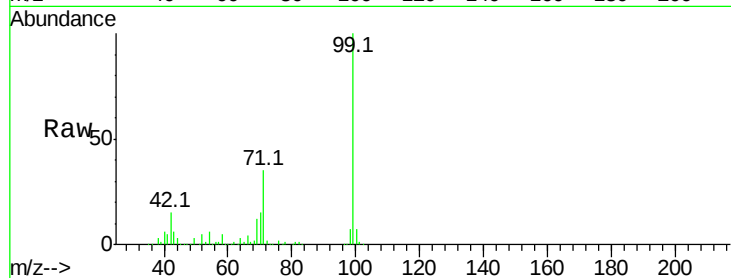
Tot Ion: 99 Resp: 459970

Ion Ratio Lower Upper

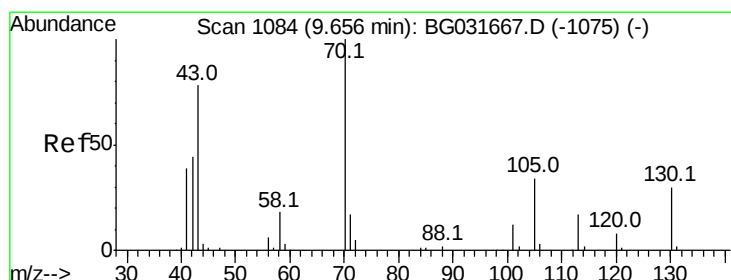
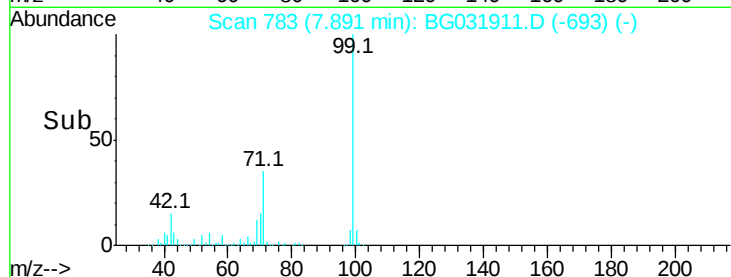
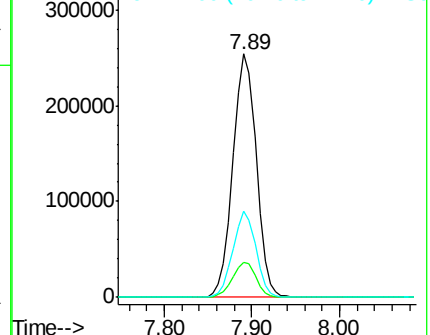
99 100

42 14.6 14.1 21.1

71 35.3 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: 15.932 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

Tgt Ion: 70 Resp: 44387

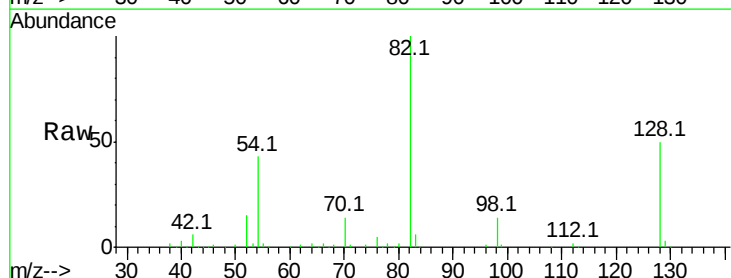
Ion Ratio Lower Upper

70 100

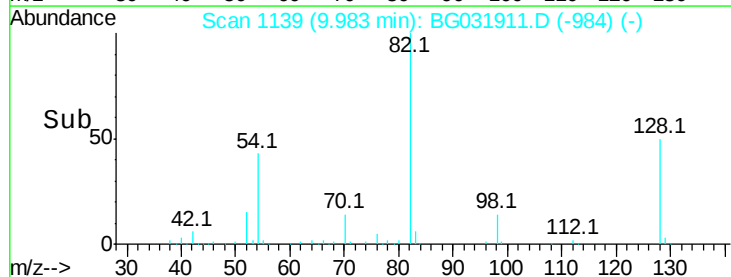
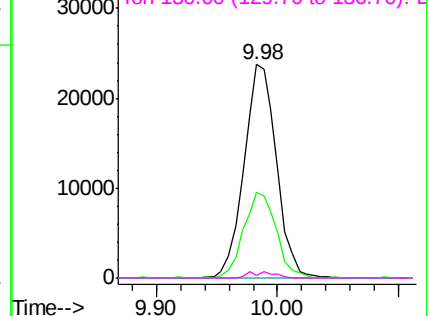
42 40.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 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: 11.67 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 231360

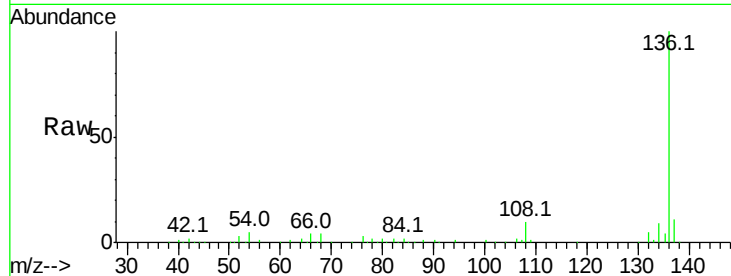
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 5.0 10.3 15.5#

68 3.9 4.5 6.7#

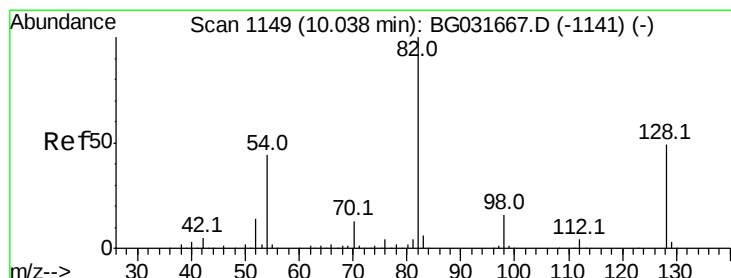
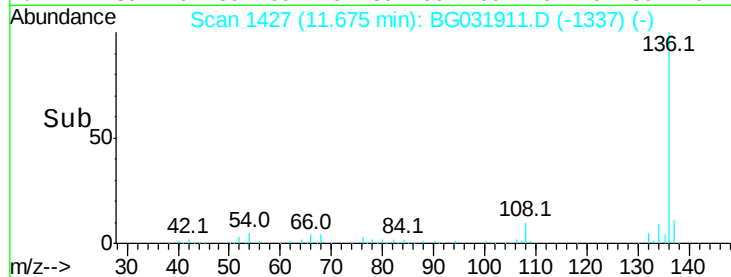
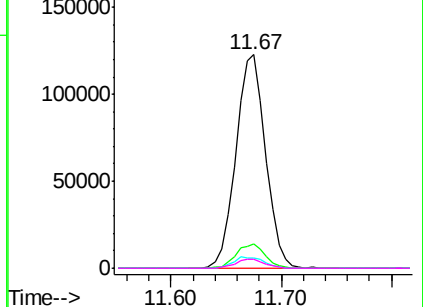


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 106.887 ng

RT: 9.98 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

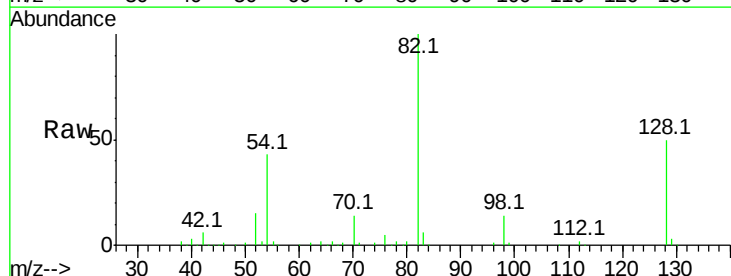
Tgt Ion: 82 Resp: 327488

Ion Ratio Lower Upper

82 100

128 50.5 29.7 44.5#

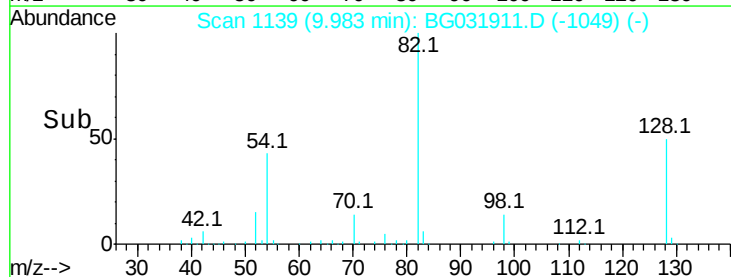
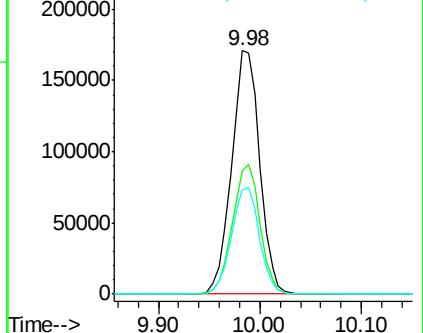
54 42.5 43.1 64.7#

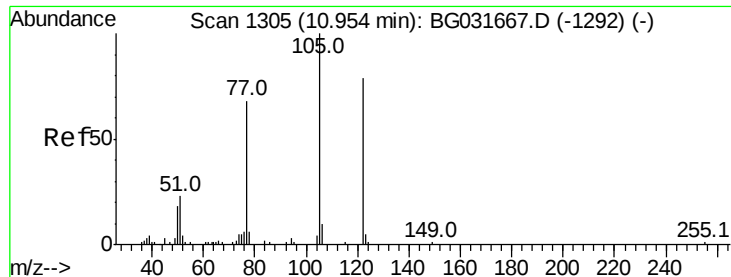


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.818 ng

RT: 10.89 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

Instrument :

BNA_G

ClientSampled :

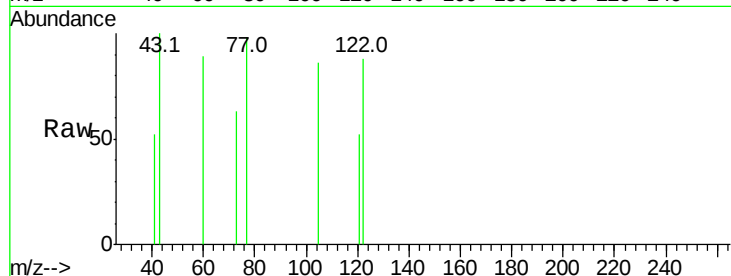
Tot Ion:122 Resp: 342

Ion Ratio Lower Upper

122 100

105 97.3 123.5 163.5#

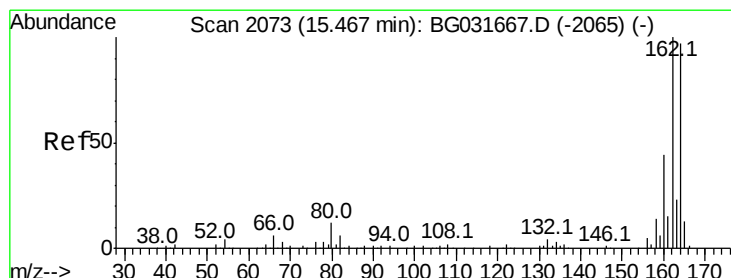
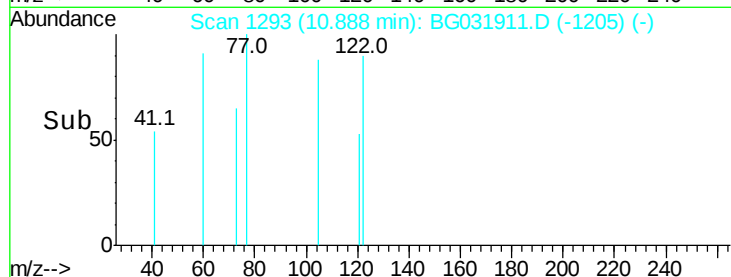
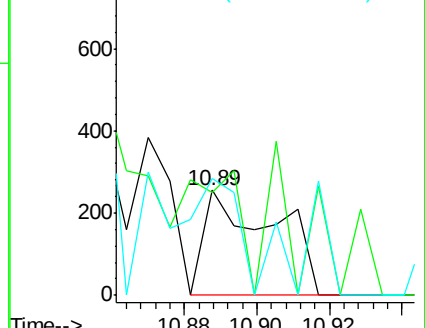
77 110.5 85.7 125.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

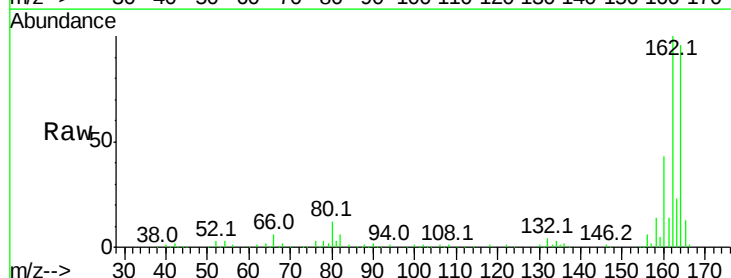
Tgt Ion:164 Resp: 162102

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

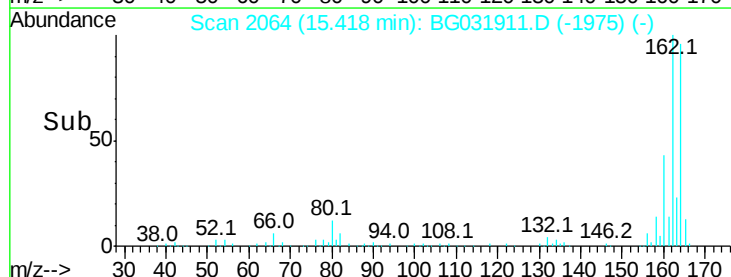
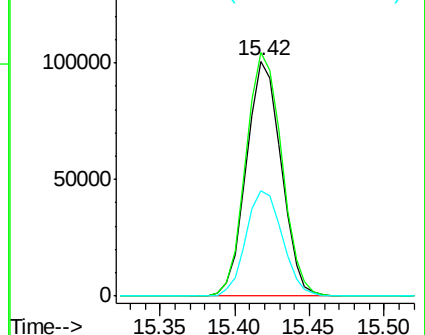
160 45.1 35.4 53.0

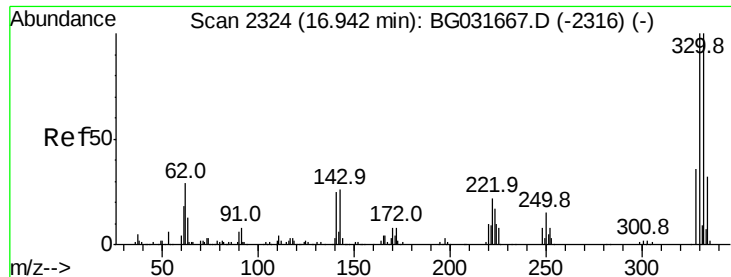


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

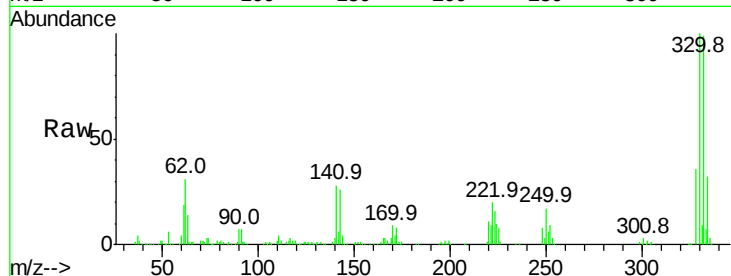




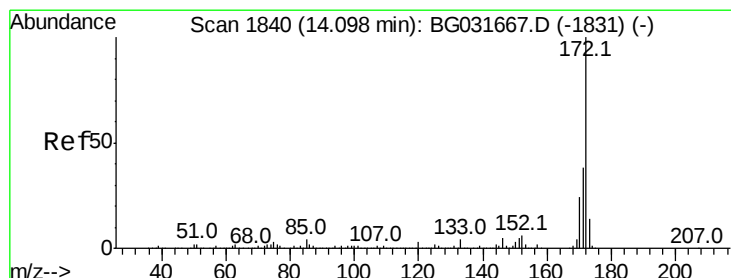
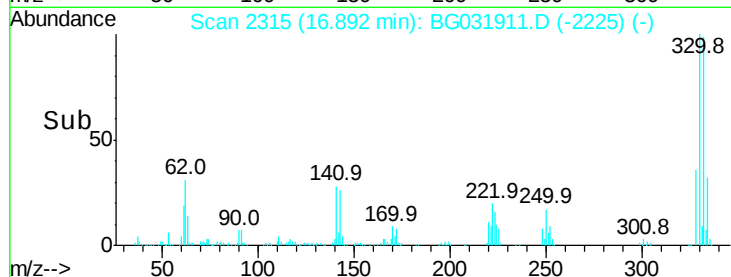
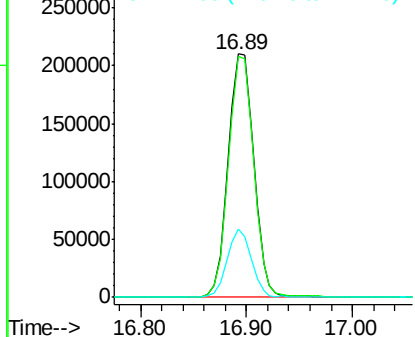
#41
 2,4,6-Tribromophenol
 Concen: 143.223 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.00 min
 Lab File: BG031911.D
 Acq: 4 Jan 2018 4:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 354256
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 26.3 25.2 37.8

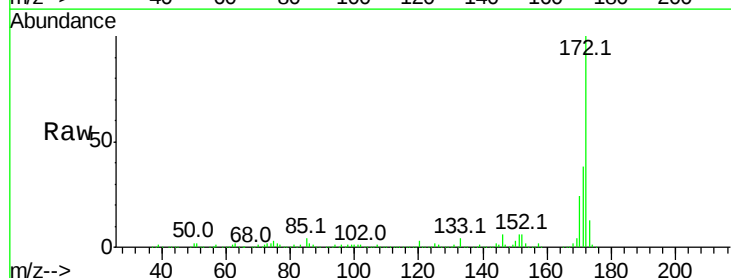


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

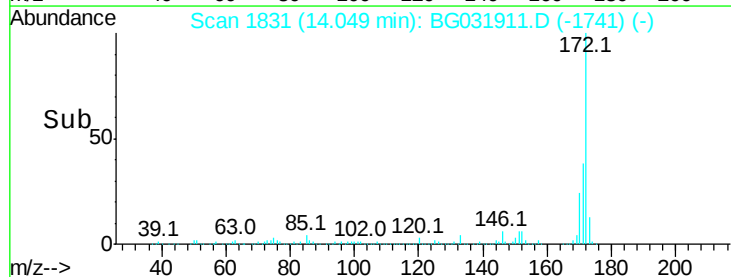
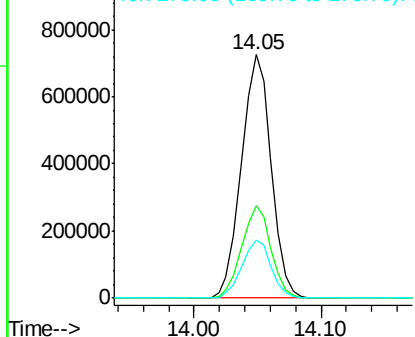


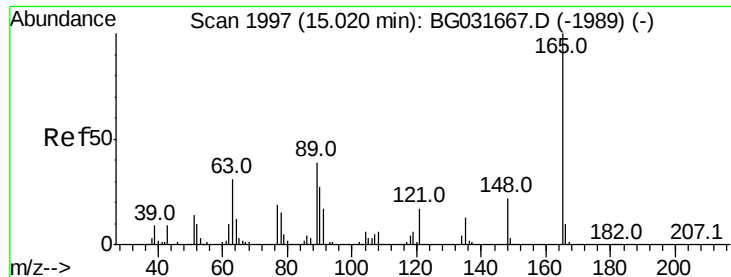
#44
 2-Fluorobiphenyl
 Concen: 91.060 ng
 RT: 14.05 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BG031911.D
 Acq: 4 Jan 2018 4:30

Tgt Ion:172 Resp: 1176055
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 23.9 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

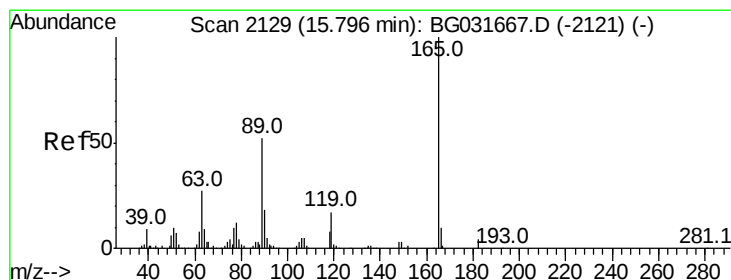
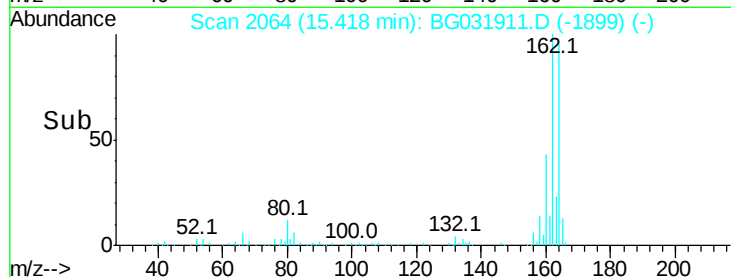
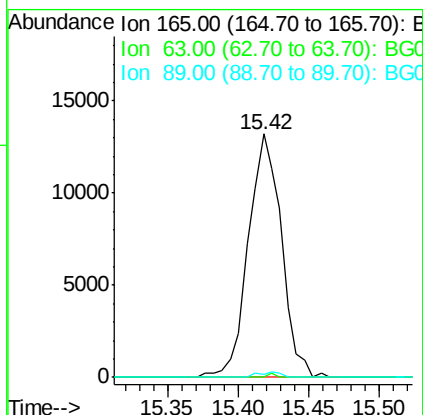
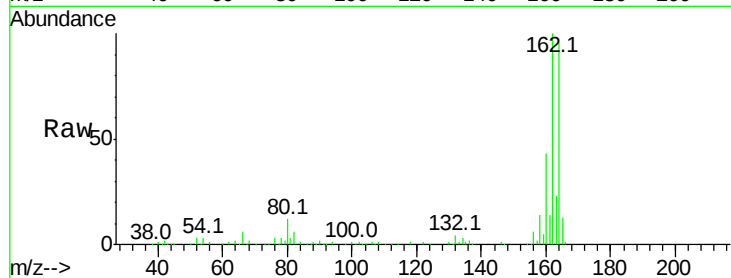




#50
2,6-Dinitrotoluene
Concen: 8.269 ng
RT: 15.42 min Scan# 2064
Delta R.T. 0.44 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

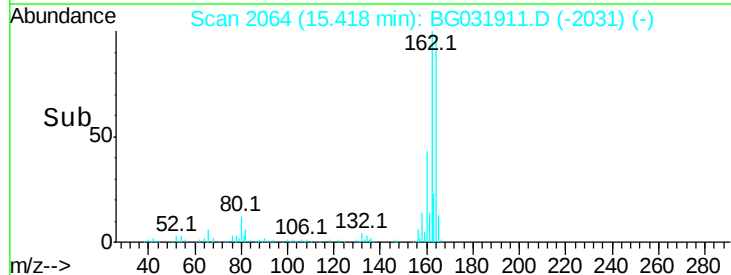
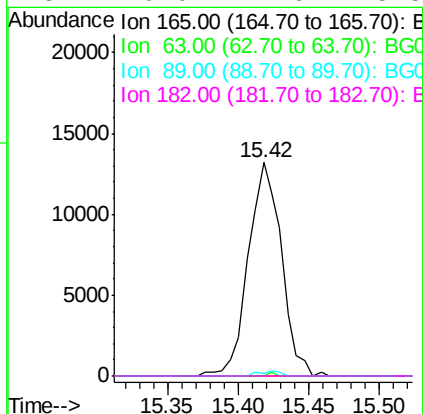
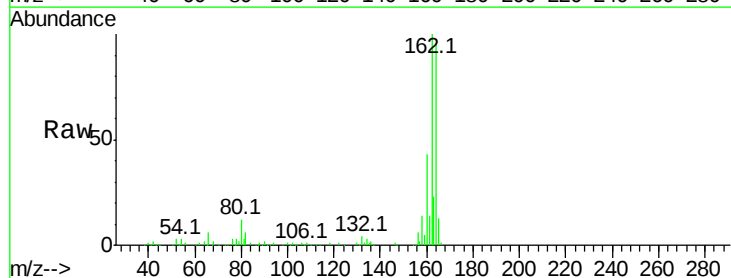
Instrument :
BNA_G
ClientSampleId :

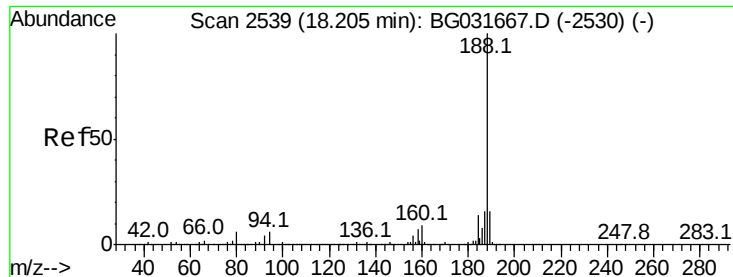
Tot Ion:165 Resp: 21722
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.2 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.430 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Tgt Ion:165 Resp: 21722
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#

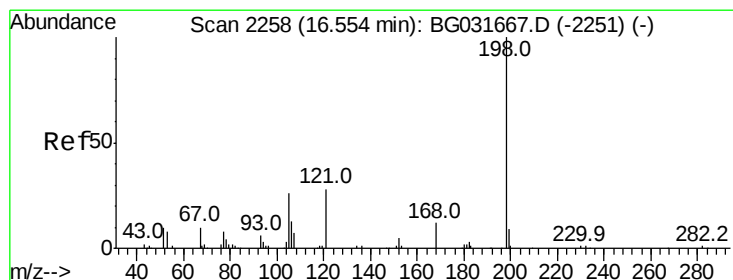
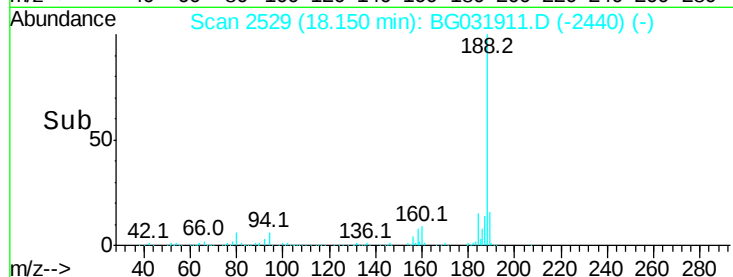
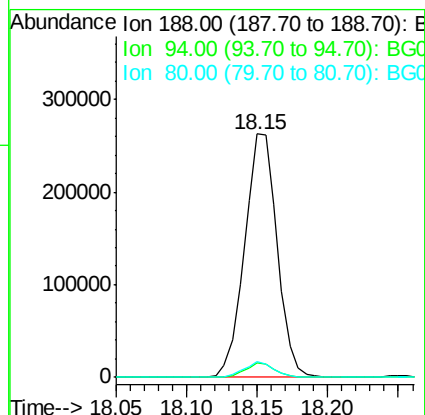
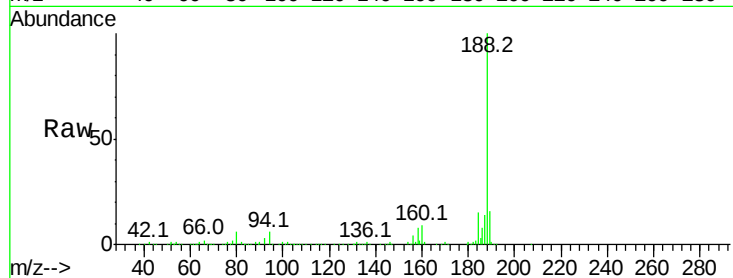




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

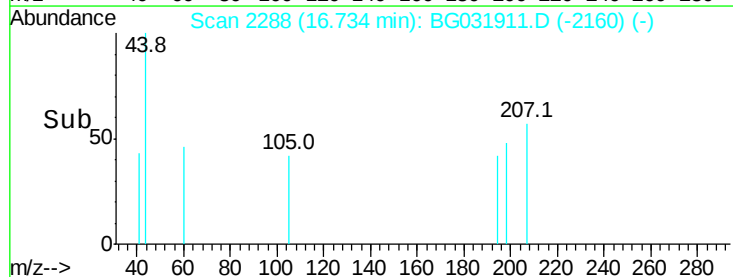
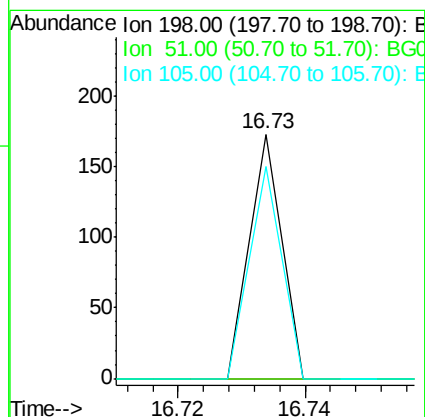
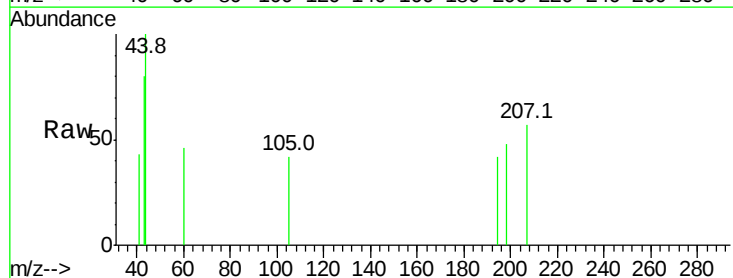
Instrument :
BNA_G
ClientSampleId :

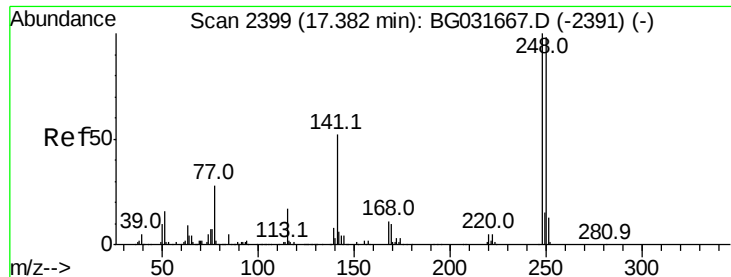
Tot Ion:188 Resp: 423240
Ion Ratio Lower Upper
188 100
94 5.8 6.9 10.3#
80 6.4 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.330 ng
RT: 16.73 min Scan# 2288
Delta R.T. 0.22 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Tgt Ion:198 Resp: 61
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 86.7 23.8 63.8#

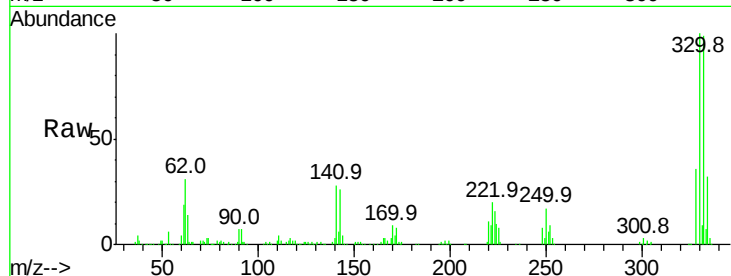




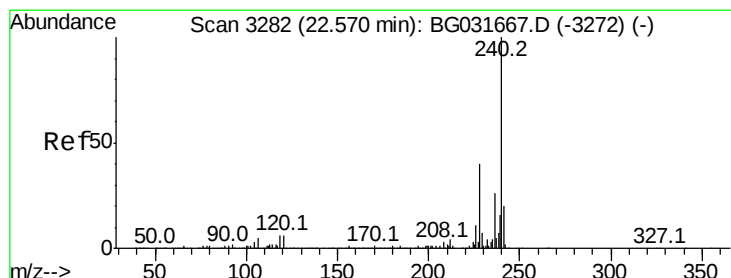
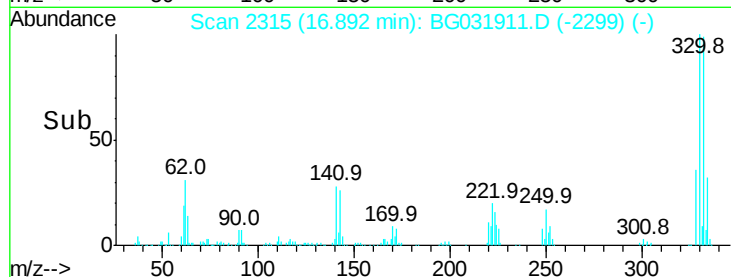
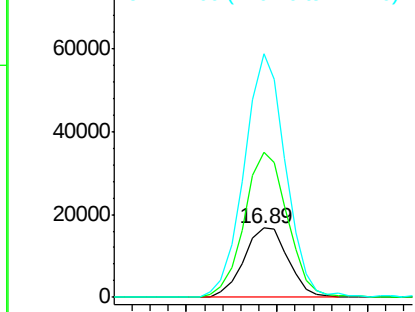
#66
4-Bromophenyl-phenylether
Concen: 4.622 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 28285
Ion Ratio Lower Upper
248 100
250 208.6 77.1 115.7#
141 351.1 50.8 76.2#

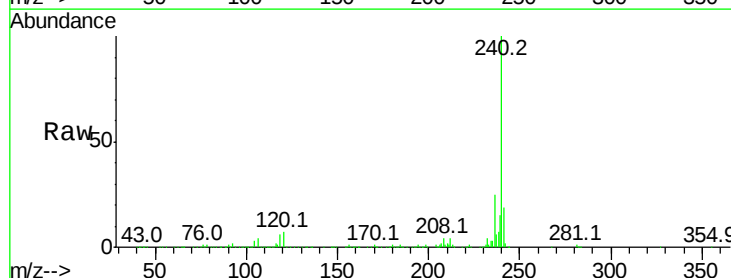


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

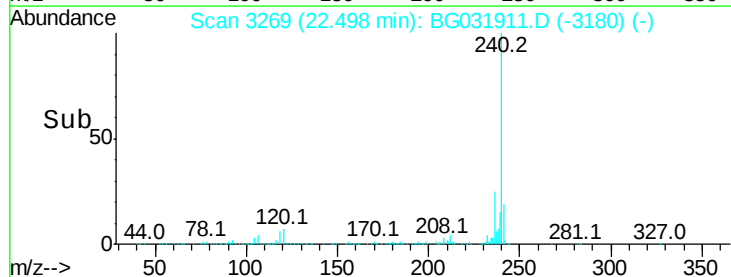
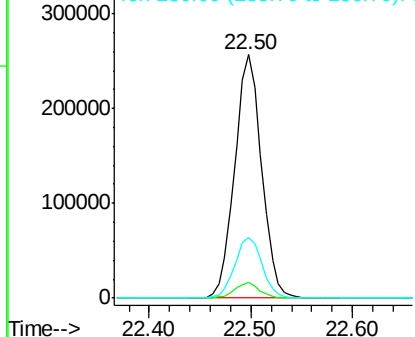


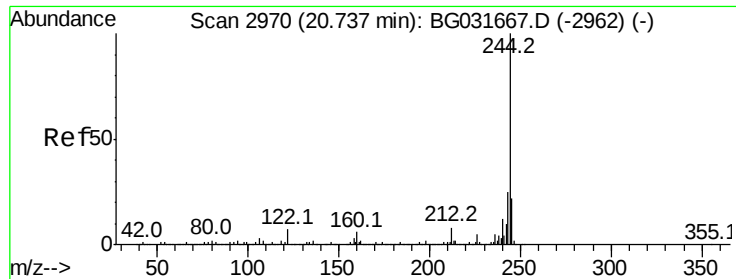
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.50 min Scan# 3269
Delta R.T. -0.01 min
Lab File: BG031911.D
Acq: 4 Jan 2018 4:30

Tgt Ion:240 Resp: 472450
Ion Ratio Lower Upper
240 100
120 6.7 6.8 10.2#
236 24.6 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: 100.640 ng

RT: 20.69 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

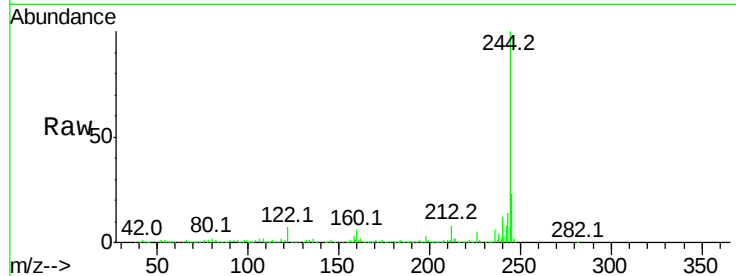
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2081177

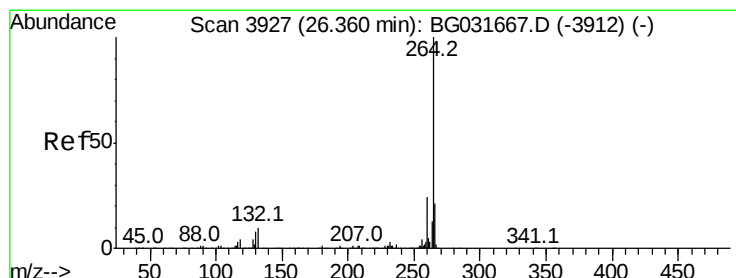
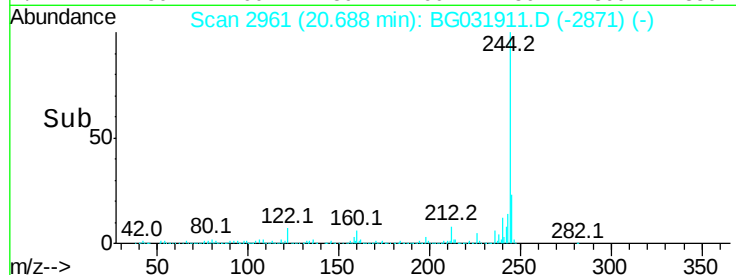
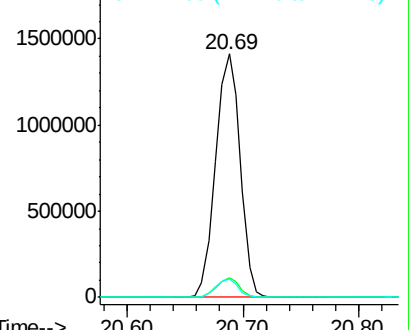
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	7.5	7.0	10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.24 min Scan# 3906

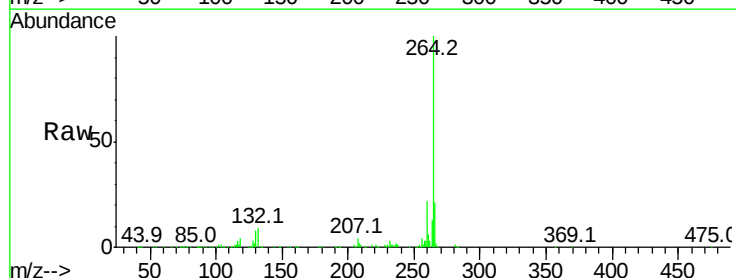
Delta R.T. -0.01 min

Lab File: BG031911.D

Acq: 4 Jan 2018 4:30

Tgt Ion:264 Resp: 346241

Ion	Ratio	Lower	Upper
264	100		
260	22.1	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

