

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035401.D
 Acq On : 26 Jun 2018 7:05
 Operator : JU/SJ
 Sample : J3642-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 08:31:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

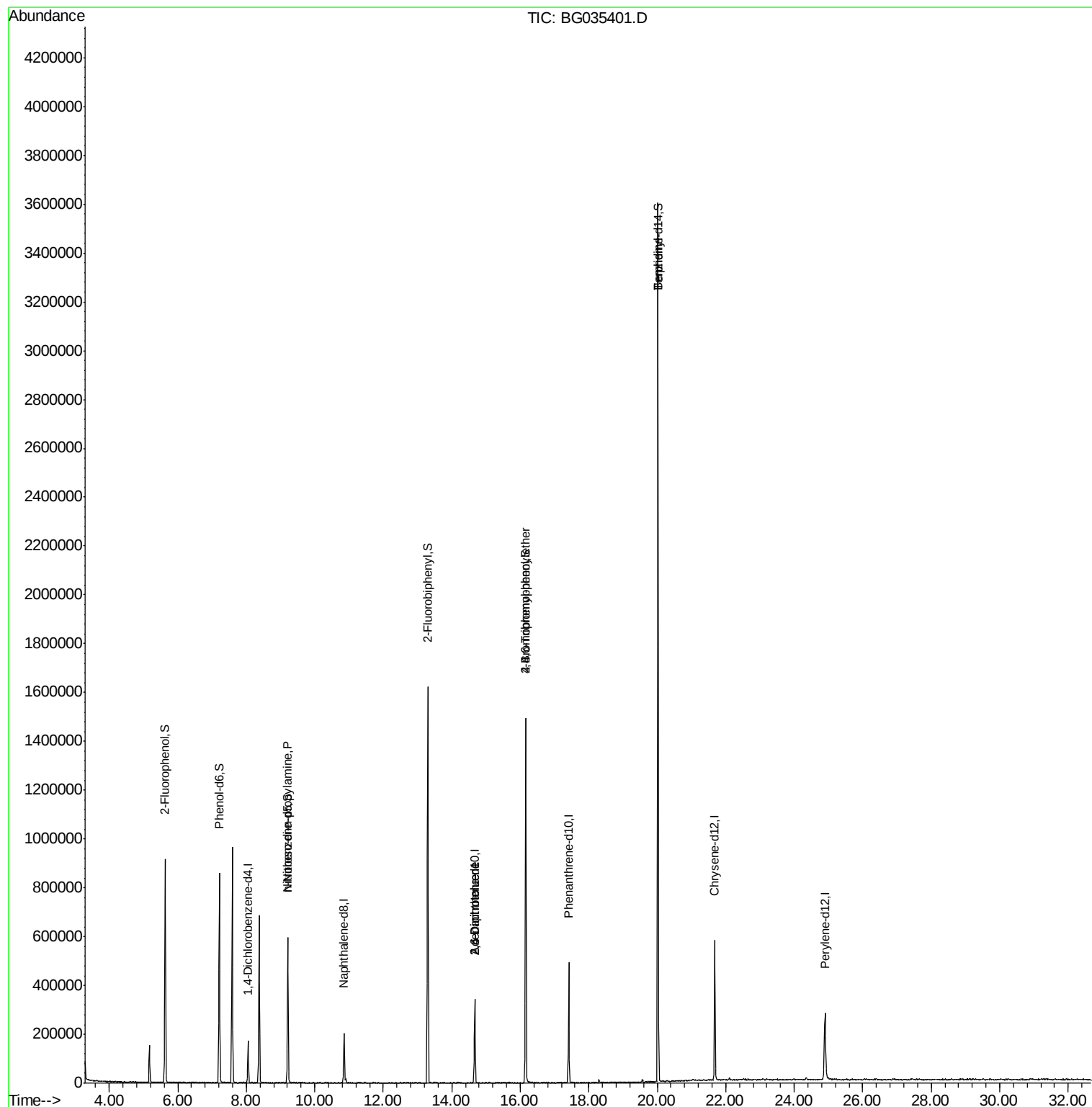
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49943	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	172098	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	122230	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	317346	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	366778	20.00	ng	-0.04
86) Perylene-d12	24.89	264	335113	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	387098	130.80	ng	-0.01
7) Phenol-d6	7.21	99	513547	117.57	ng	-0.01
23) Nitrobenzene-d5	9.21	82	397038	109.66	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	275432	176.03	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	866198	92.13	ng	-0.03
78) Terphenyl-d14	20.02	244	1692881	96.68	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	54157	14.594	ng	# 64
50) 2,6-Dinitrotoluene	14.67	165	16571	8.522	ng	# 19
56) 2,4-Dinitrotoluene	14.67	165	16571	6.415	ng	# 17
66) 4-Bromophenyl-phenylether	16.16	248	21165	5.538	ng	# 1
76) Benzidine	20.02	184	29370	2.152	ng	# 93

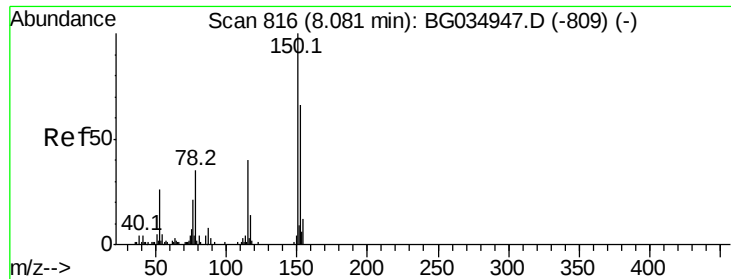
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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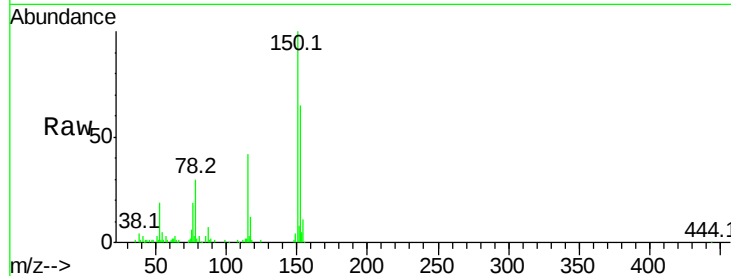


#1

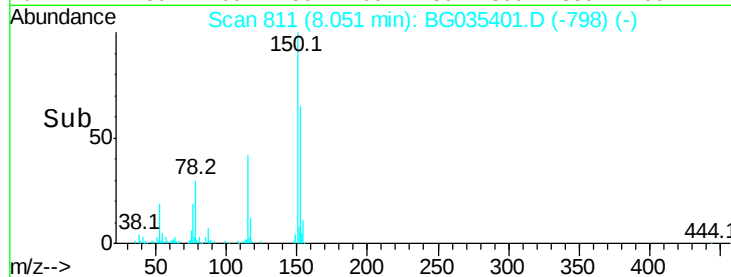
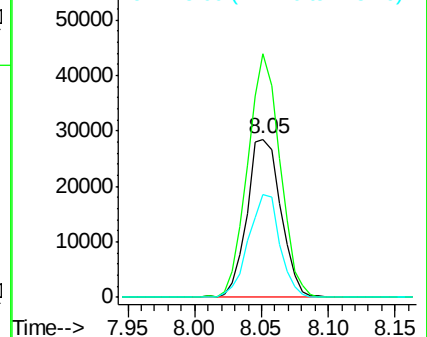
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	65.3	53.0	79.4



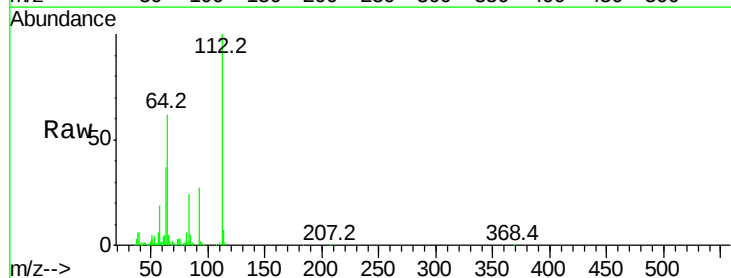
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



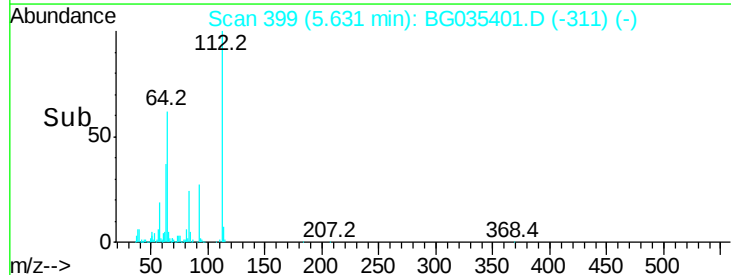
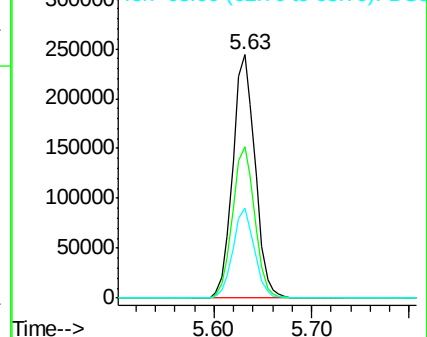
#5

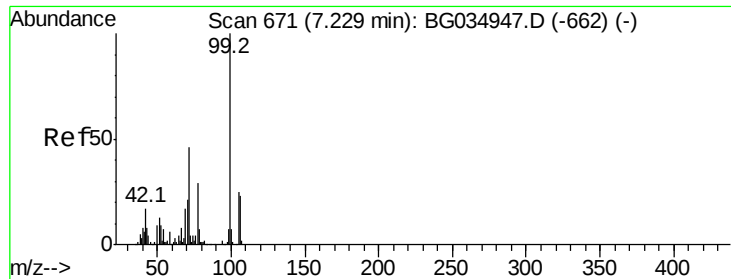
2-Fluorophenol
Concen: 130.803 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	36.8	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: 117.573 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

Instrument :

BNA_G

ClientSampleId :

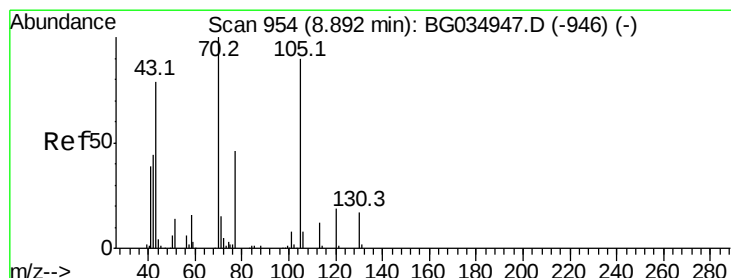
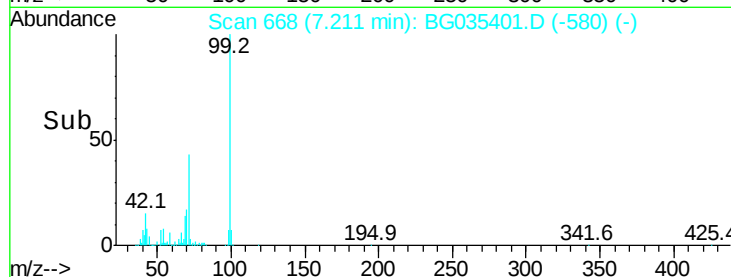
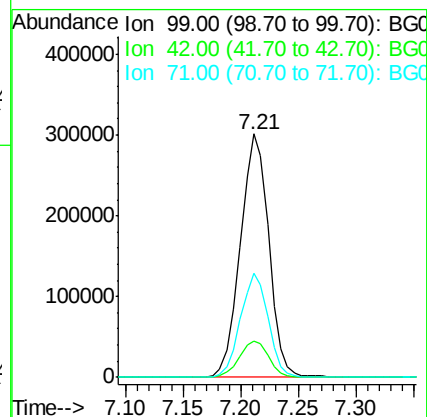
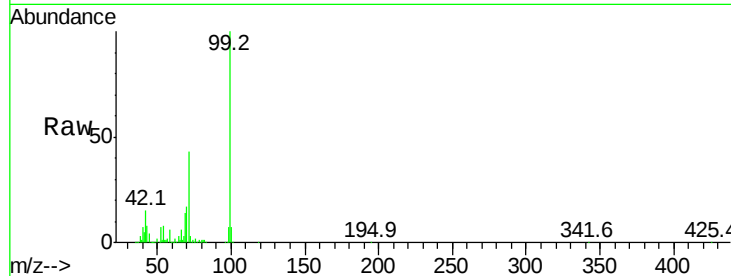
Tot Ion: 99 Resp: 513547

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

71 43.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.594 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

Tgt Ion: 70 Resp: 54157

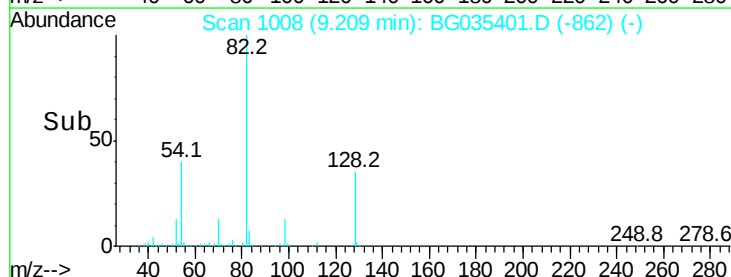
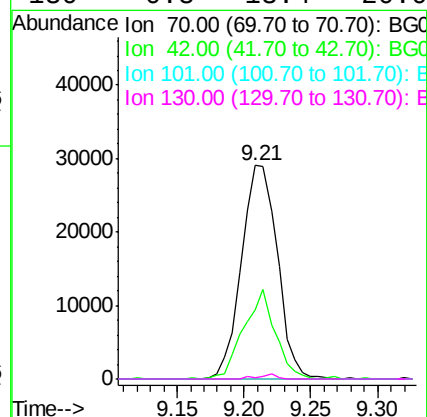
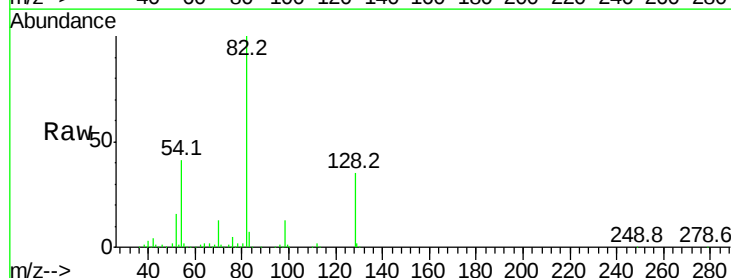
Ion Ratio Lower Upper

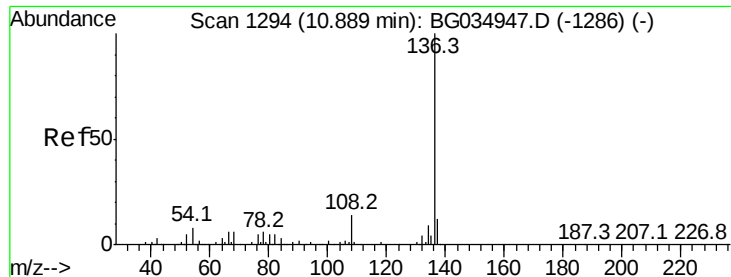
70 100

42 32.5 49.1 73.7#

101 0.0 8.5 12.7#

130 0.8 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 172098

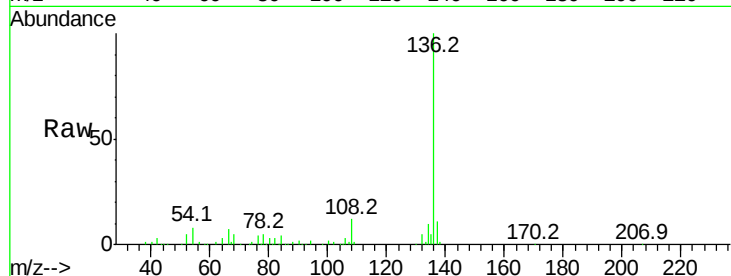
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 8.1 10.3 15.5#

68 5.1 4.5 6.7

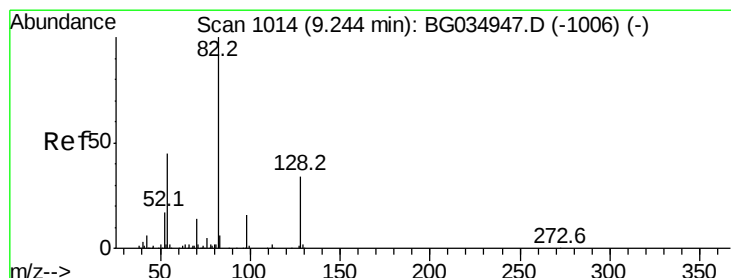
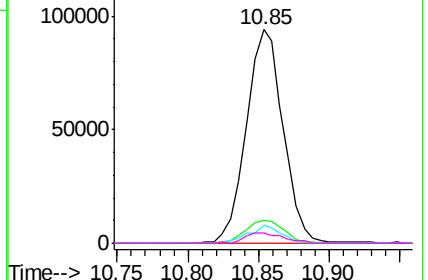
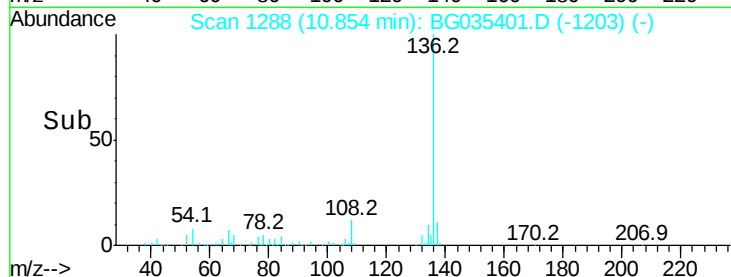


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 109.664 ng

RT: 9.21 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

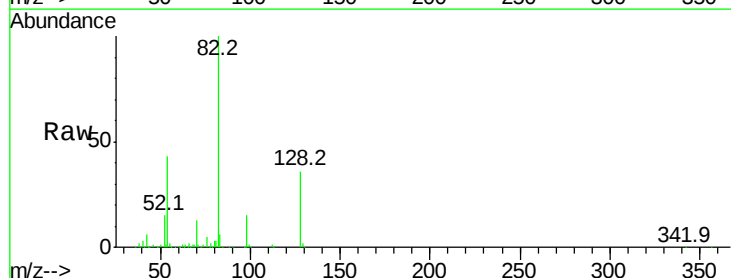
Tgt Ion: 82 Resp: 397038

Ion Ratio Lower Upper

82 100

128 35.6 29.7 44.5

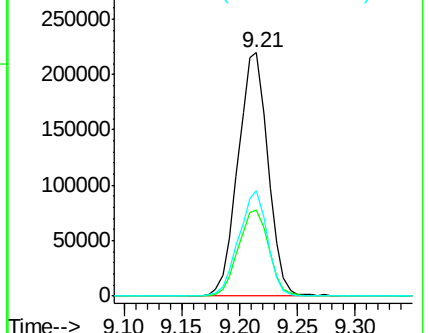
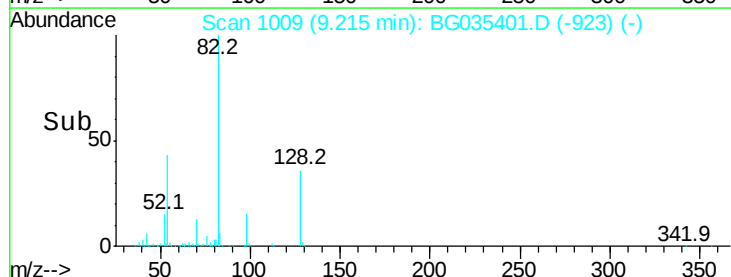
54 43.5 43.1 64.7

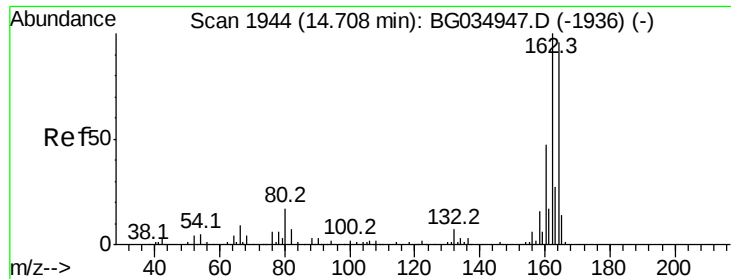


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

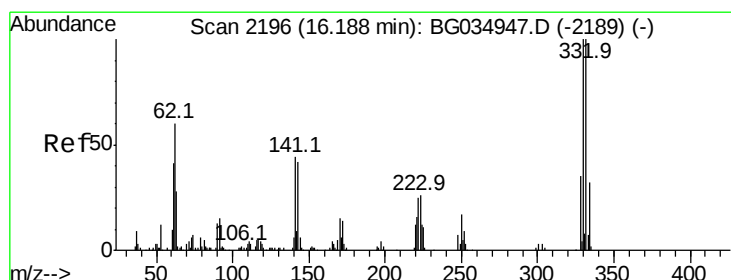
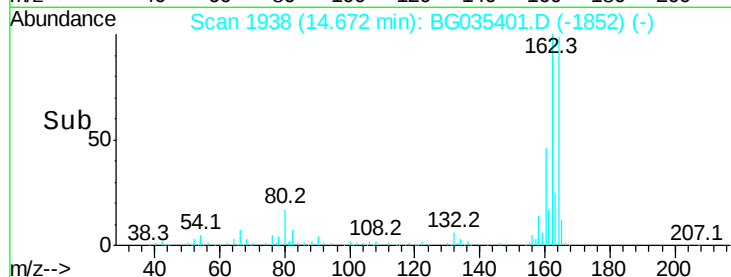
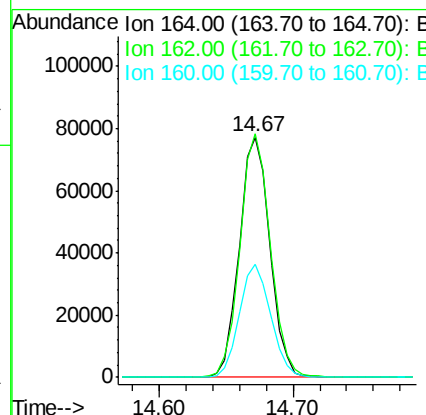
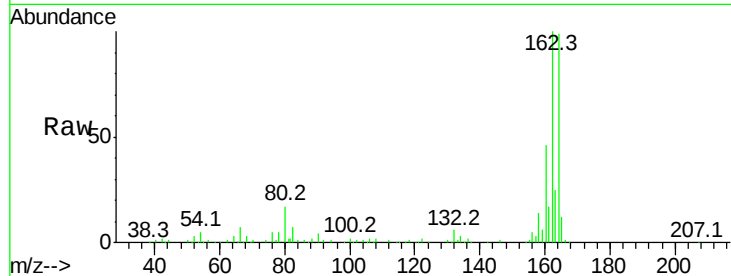




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.02 min
 Lab File: BG035401.D
 Acq: 26 Jun 2018 7:05

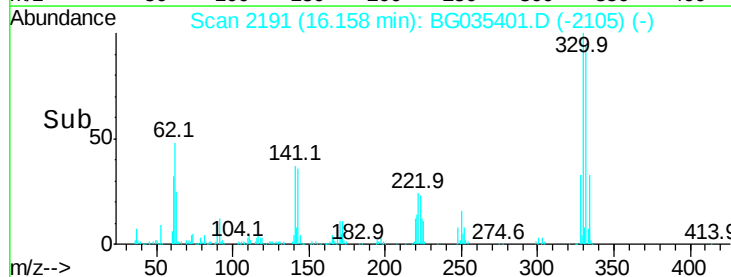
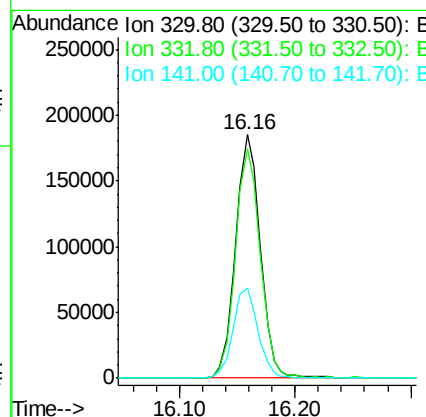
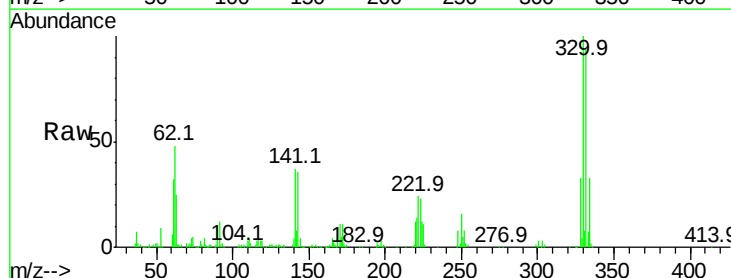
Instrument :
 BNA_G
 ClientSampleId :

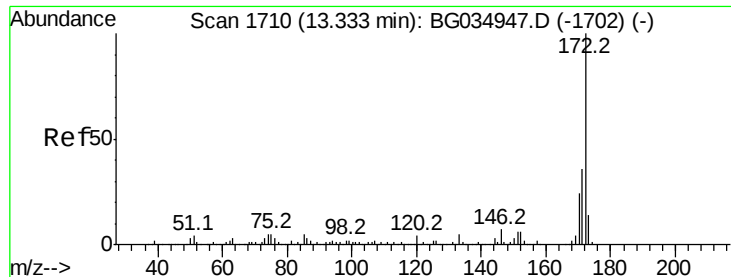
Tot Ion:164 Resp: 122230
 Ion Ratio Lower Upper
 164 100
 162 101.5 78.8 118.2
 160 47.0 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 176.029 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BG035401.D
 Acq: 26 Jun 2018 7:05

Tgt Ion:330 Resp: 275432
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.0 115.6
 141 37.2 25.2 37.8

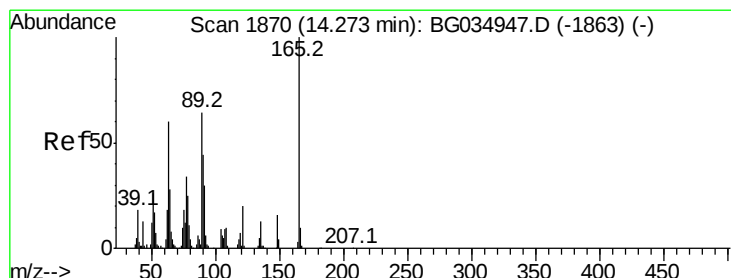
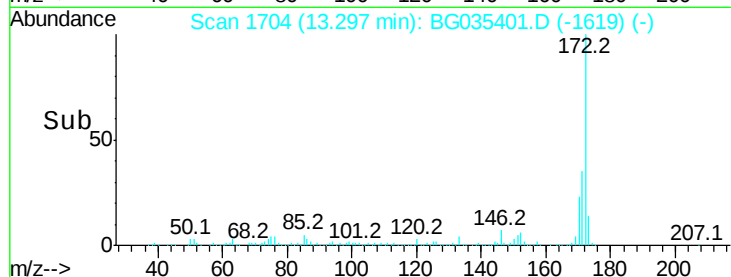
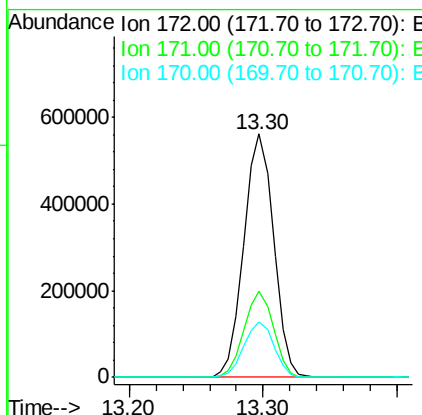
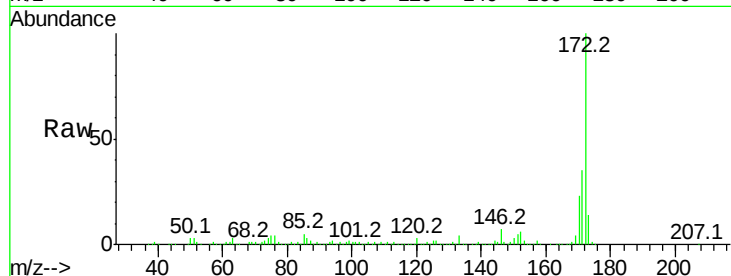




#44
 2-Fluorobiphenyl
 Concen: 92.126 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035401.D
 Acq: 26 Jun 2018 7:05

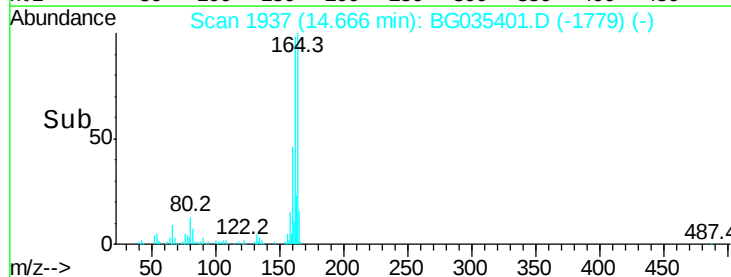
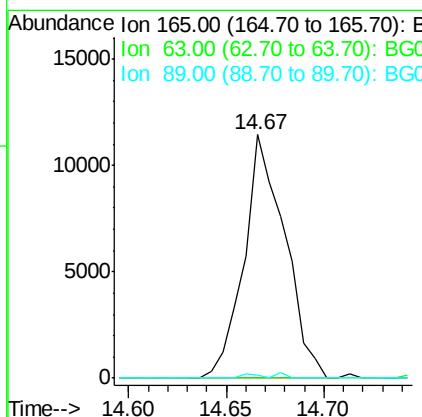
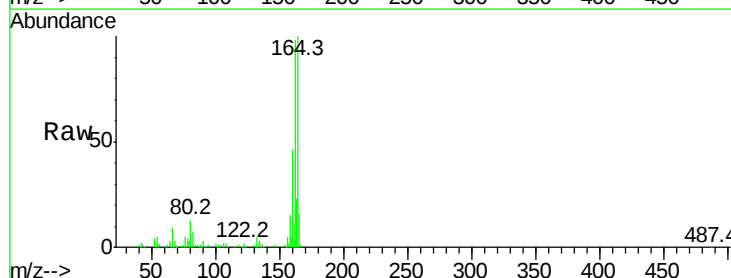
Instrument :
 BNA_G
 ClientSampleId :

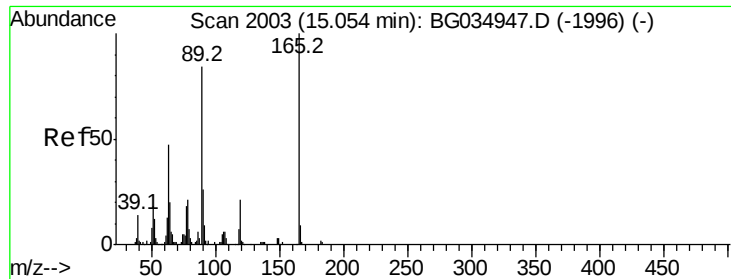
Tot Ion:172 Resp: 866198
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.0 45.0
 170 22.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.522 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.40 min
 Lab File: BG035401.D
 Acq: 26 Jun 2018 7:05

Tgt Ion:165 Resp: 16571
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.4 49.2 73.8#

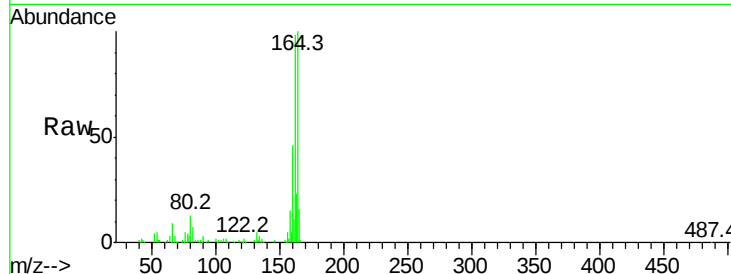




#56
2,4-Dinitrotoluene
Concen: 6.415 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.38 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16571
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#

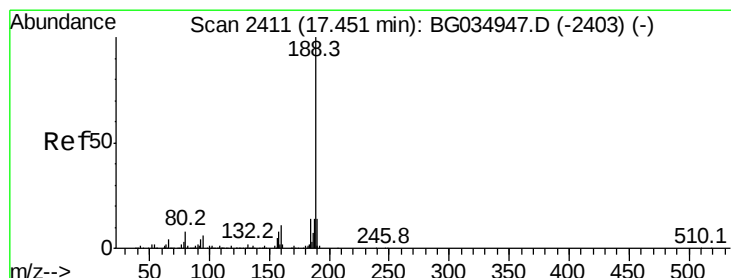
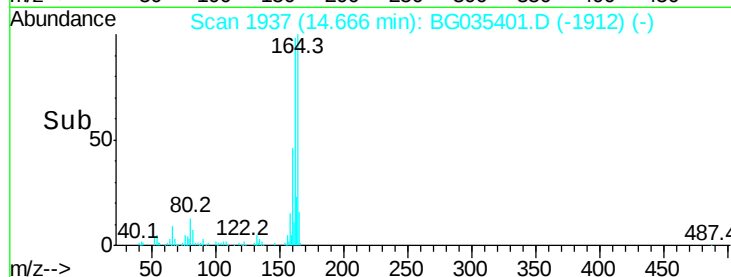
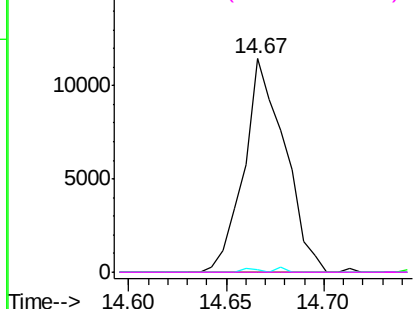


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

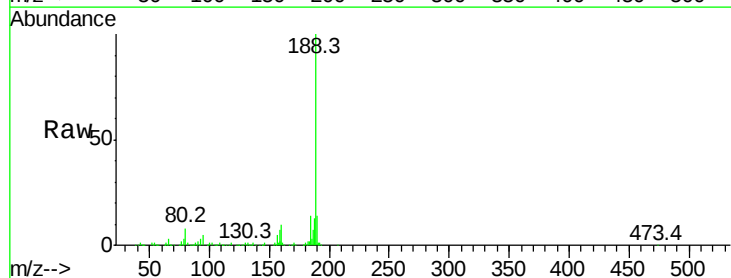
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

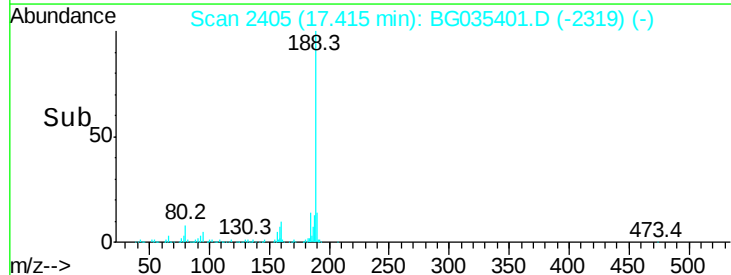
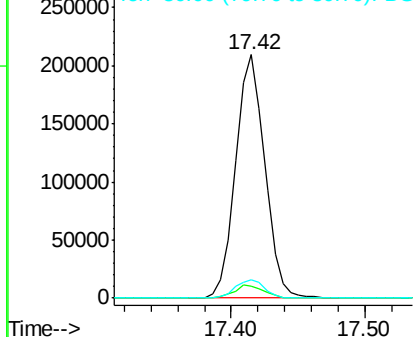
Tgt Ion:188 Resp: 317346
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 7.6 7.7 11.5#



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

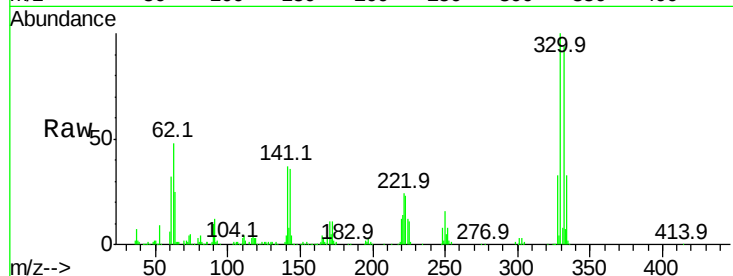




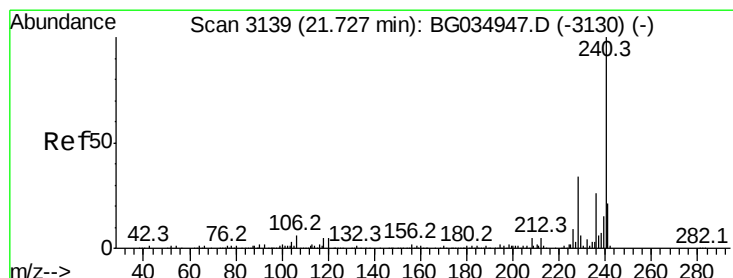
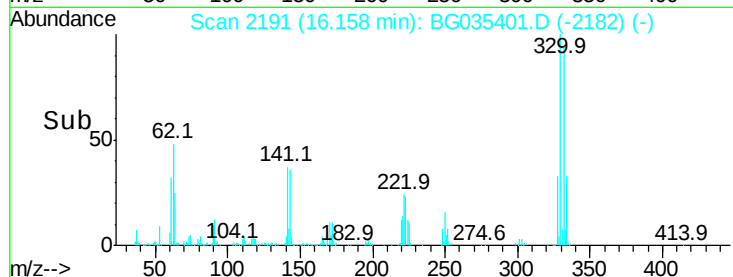
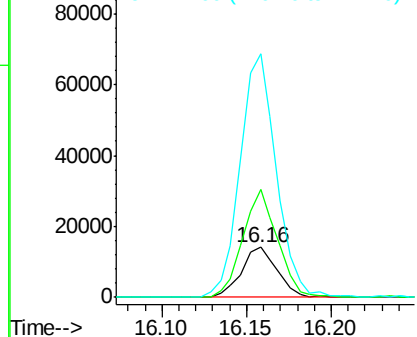
#66
4-Bromophenyl-phenylether
Concen: 5.538 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21165
Ion Ratio Lower Upper
248 100
250 214.5 77.1 115.7#
141 484.6 50.8 76.2#

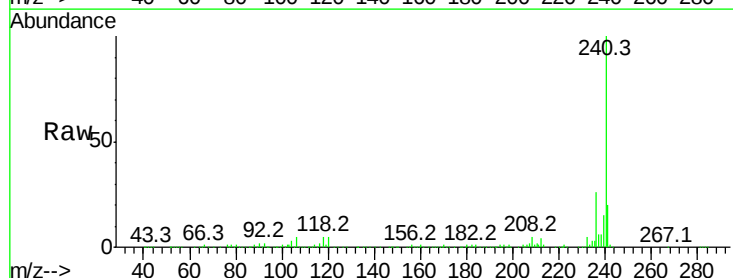


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

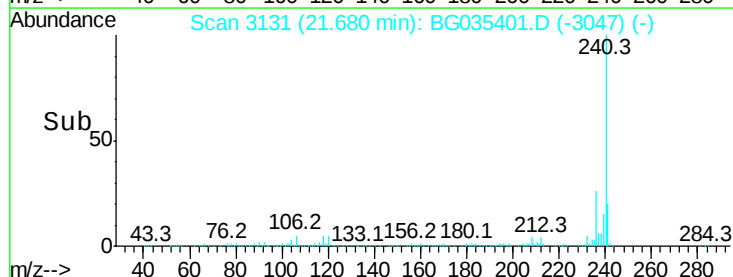
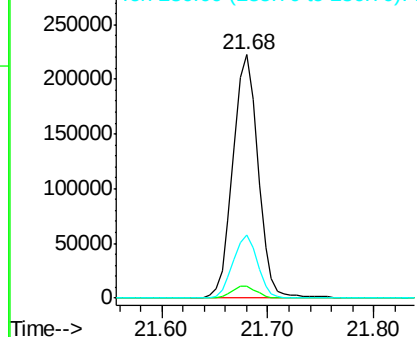


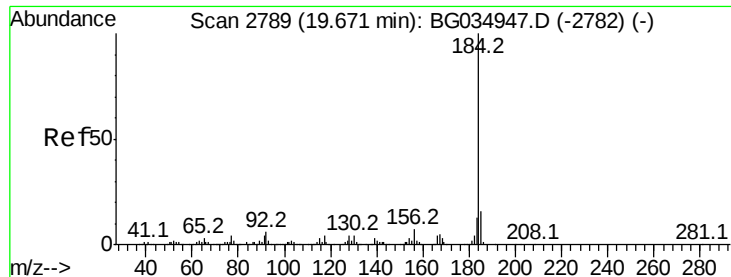
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Tgt Ion:240 Resp: 366778
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 25.7 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





#76

Benzidine

Concen: 2.152 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

Instrument :

BNA_G

ClientSampleId :

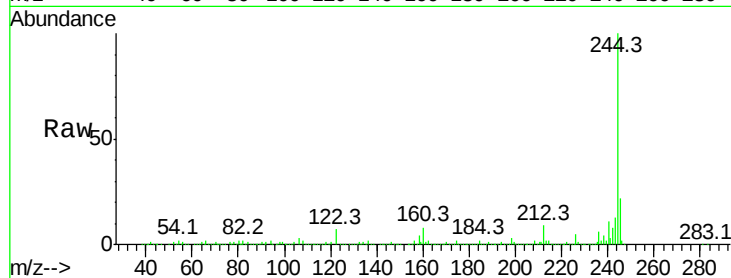
Tot Ion:184 Resp: 29370

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

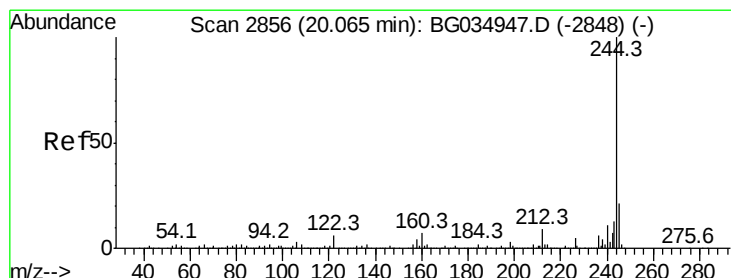
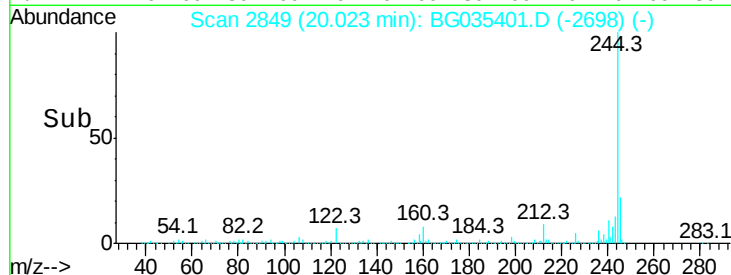
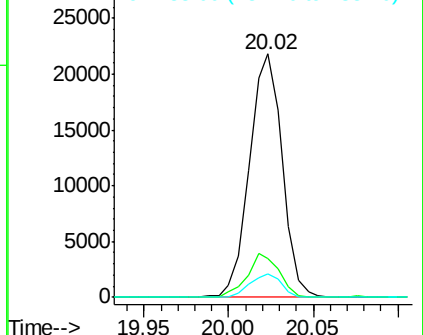
183 9.5 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 96.681 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035401.D

Acq: 26 Jun 2018 7:05

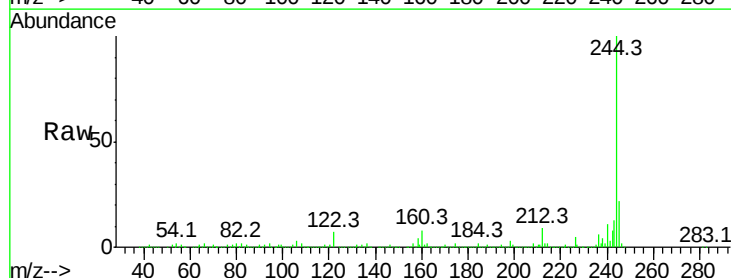
Tgt Ion:244 Resp: 1692881

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

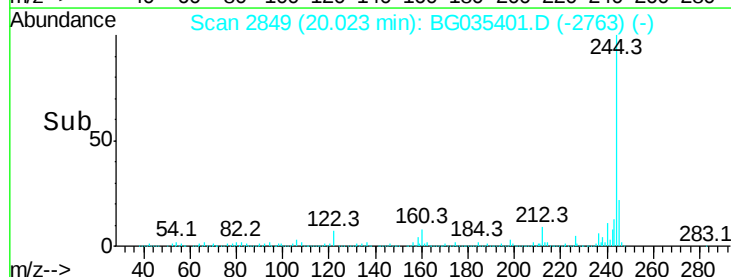
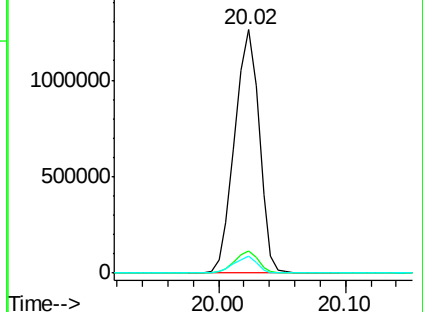
122 6.8 7.0 10.4#

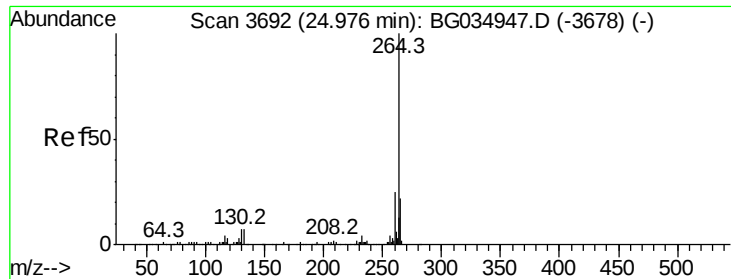


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3678
Delta R.T. -0.06 min
Lab File: BG035401.D
Acq: 26 Jun 2018 7:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 335113

Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.4	26.0
265	20.4	17.7	26.5

