

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
 Data File : BG035462.D
 Acq On : 28 Jun 2018 2:00
 Operator : JU/SJ
 Sample : J3694-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 04:33:20 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

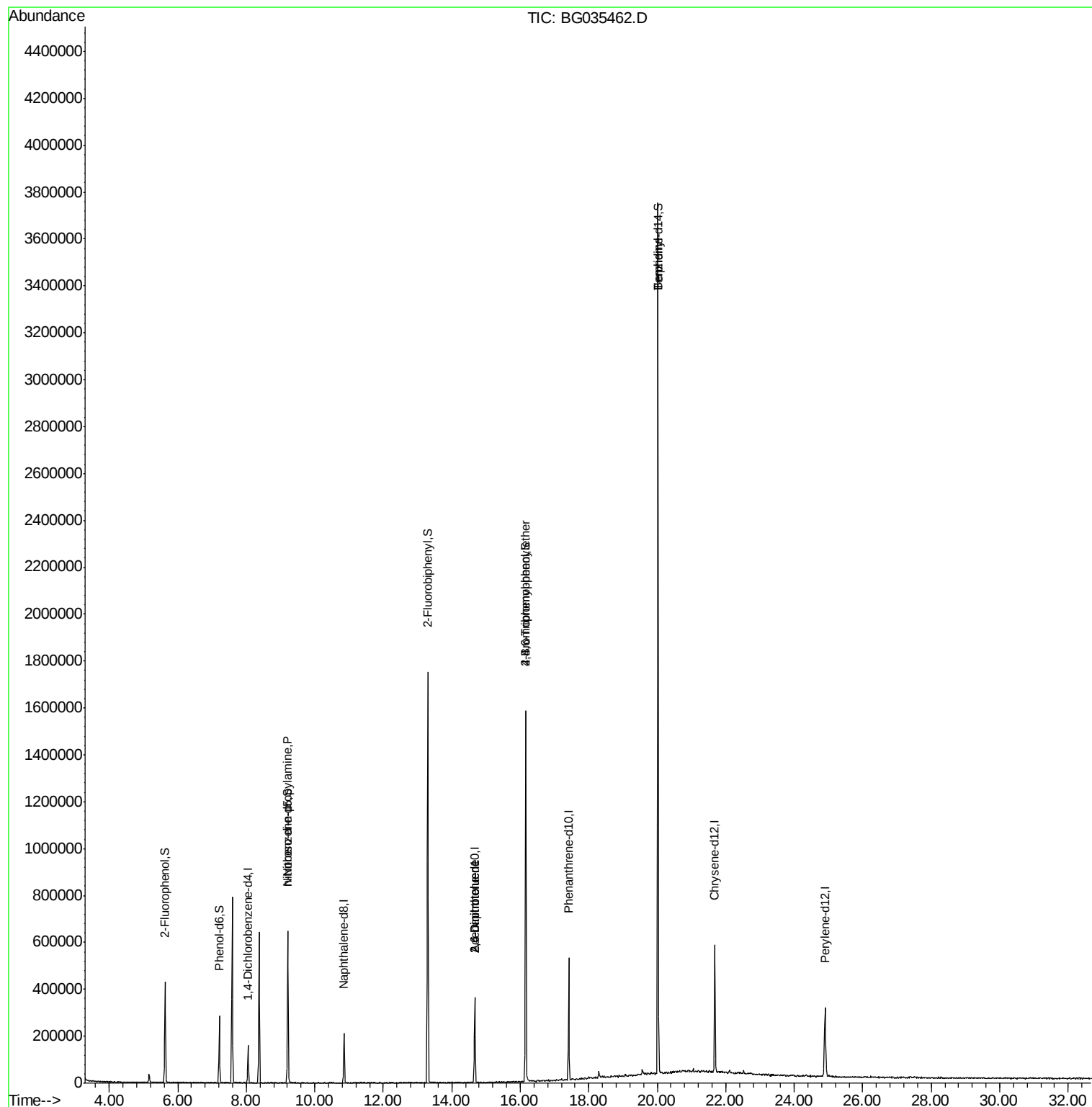
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45278	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	174933	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	124317	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	327151	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	347427	20.00	ng	-0.04
86) Perylene-d12	24.89	264	334316	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	191801	71.49	ng	-0.01
7) Phenol-d6	7.21	99	175095	44.22	ng	-0.01
23) Nitrobenzene-d5	9.22	82	432077	117.41	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	308061	193.58	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	919067	96.11	ng	-0.03
78) Terphenyl-d14	20.02	244	1684128	101.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	58426	17.367	ng	# 67
50) 2,6-Dinitrotoluene	14.67	165	17993	9.098	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	17993	6.849	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	24379	6.188	ng	# 1
76) Benzidine	20.02	184	28319	2.191	ng	# 94

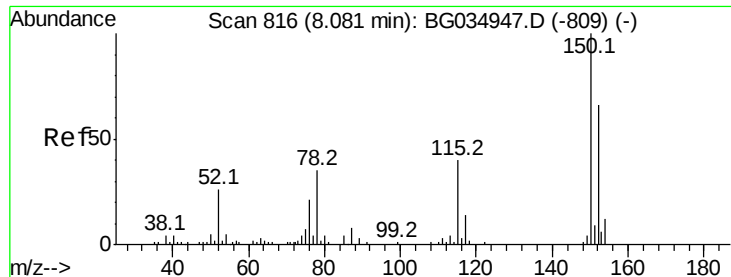
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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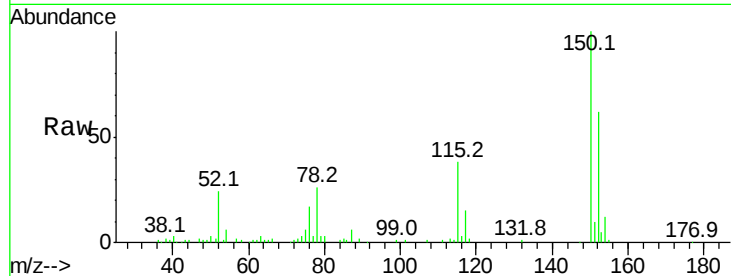


#1

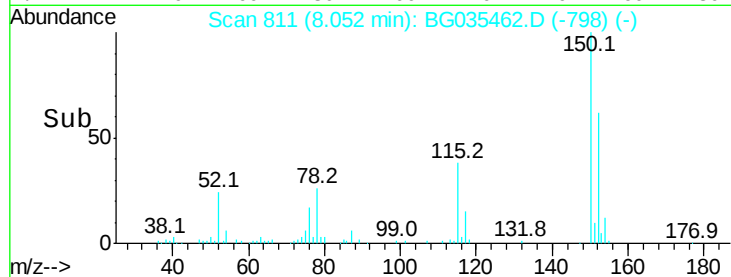
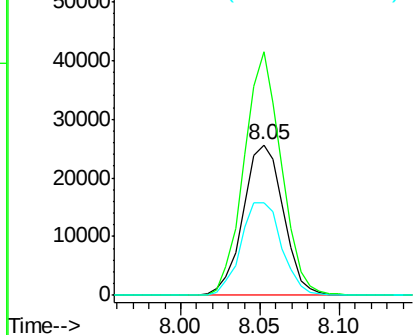
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035462.D
Acq: 28 Jun 2018 2:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.6	189.8
115	61.6	53.0	79.4



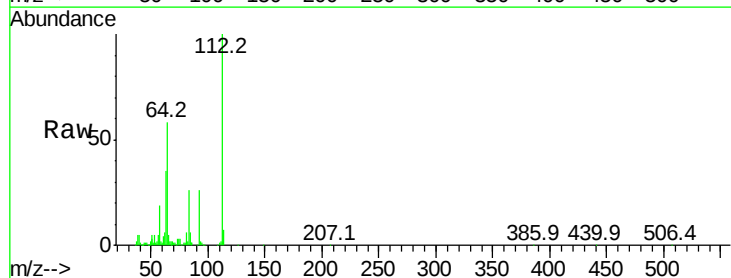
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



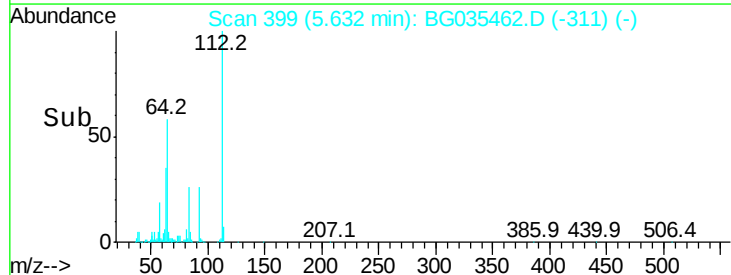
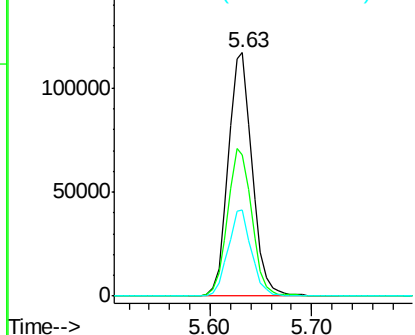
#5

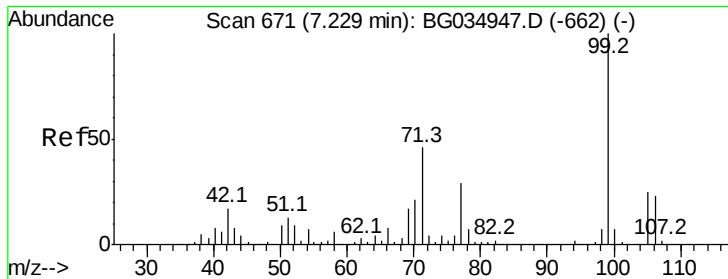
2-Fluorophenol
Concen: 71.488 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035462.D
Acq: 28 Jun 2018 2:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	56.3	84.5
63	35.3	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: 44.217 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

Instrument :

BNA_G

ClientSampleId :

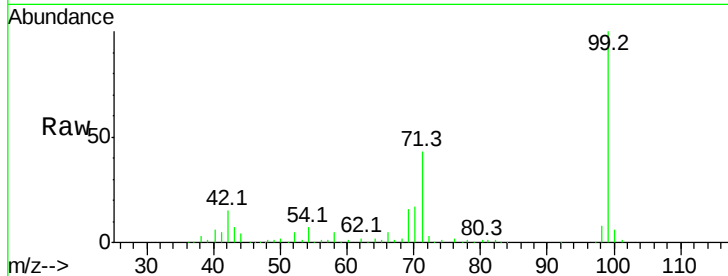
Tot Ion: 99 Resp: 175095

Ion Ratio Lower Upper

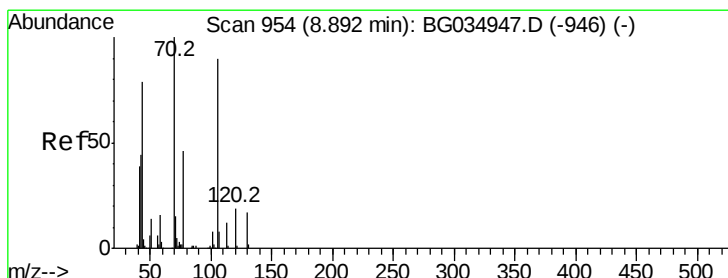
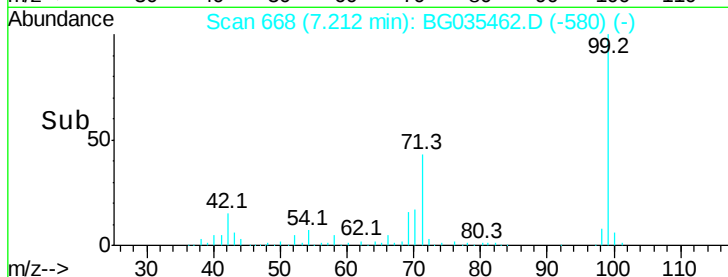
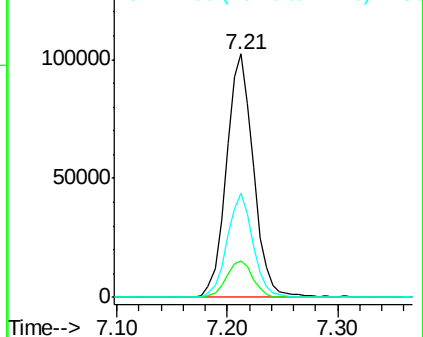
99 100

42 15.0 14.1 21.1

71 42.5 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: 17.367 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

Tgt Ion: 70 Resp: 58426

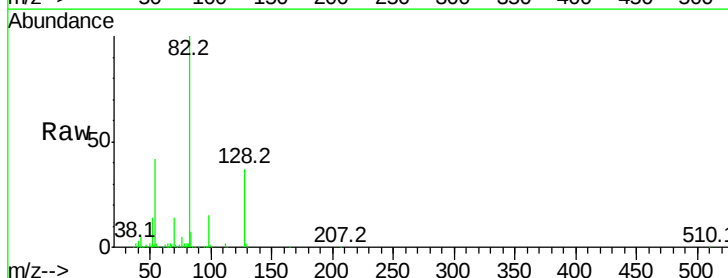
Ion Ratio Lower Upper

70 100

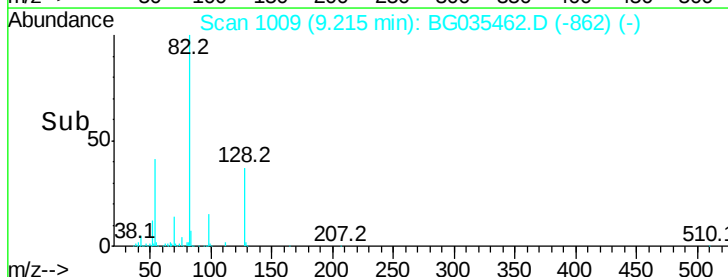
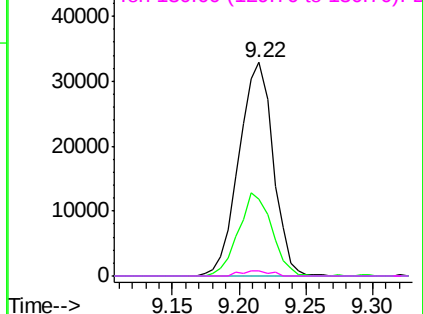
42 35.8 49.1 73.7#

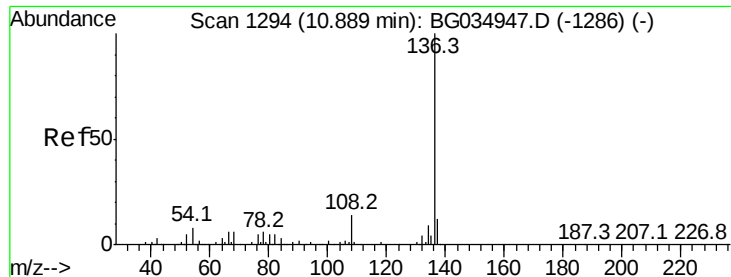
101 0.0 8.5 12.7#

130 2.4 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: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 174933

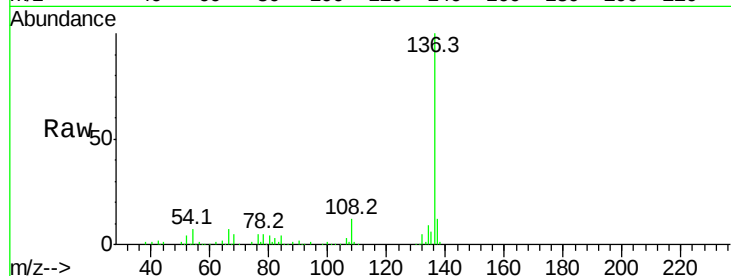
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 6.6 10.3 15.5#

68 5.2 4.5 6.7

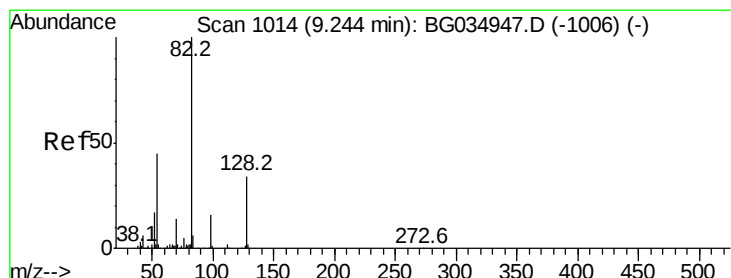
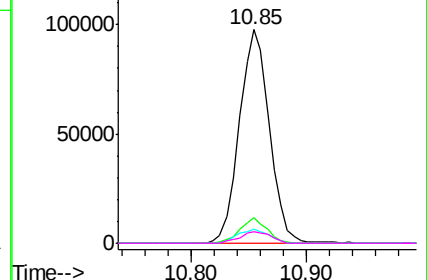
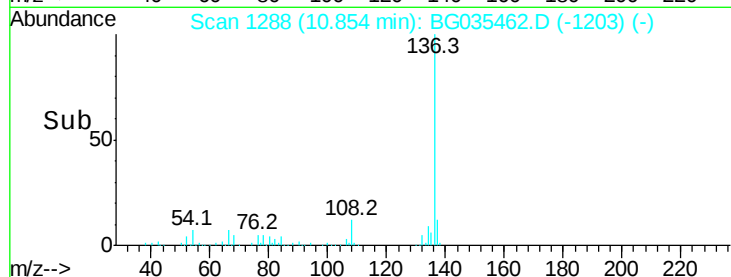


Abundance Ion 136.00 (135.70 to 136.70): E

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: 117.408 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

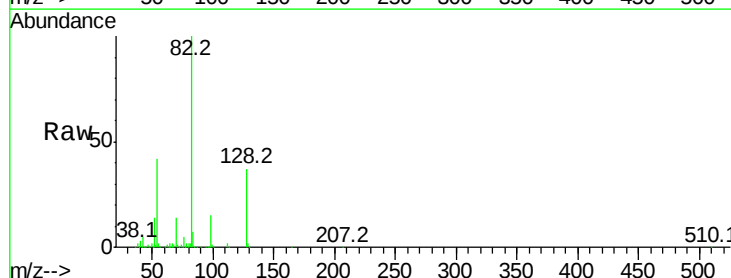
Tgt Ion: 82 Resp: 432077

Ion Ratio Lower Upper

82 100

128 37.3 29.7 44.5

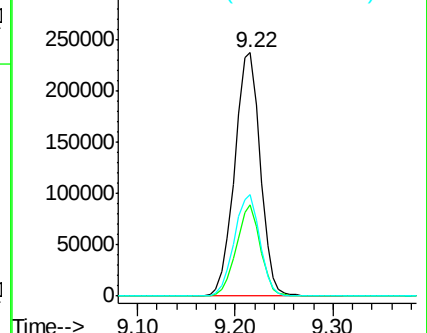
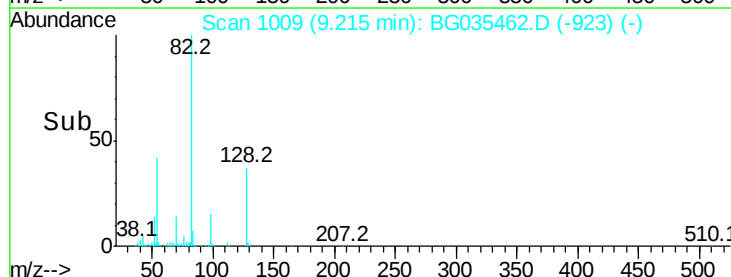
54 41.5 43.1 64.7#

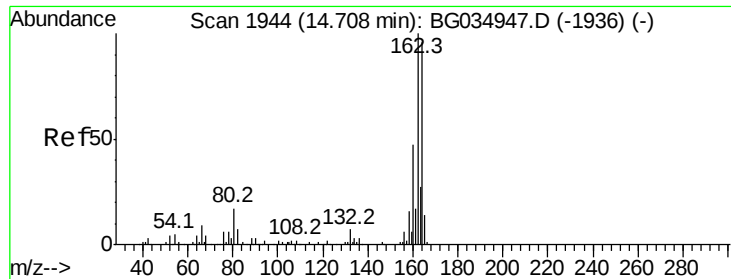


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

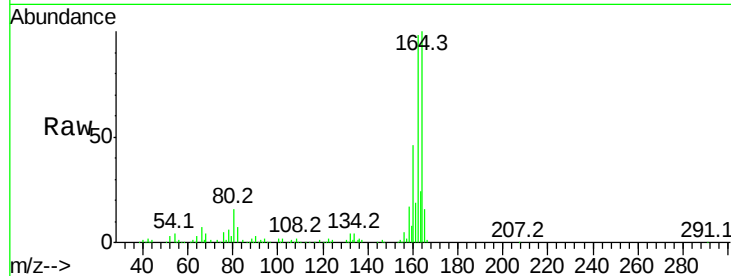
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 124317

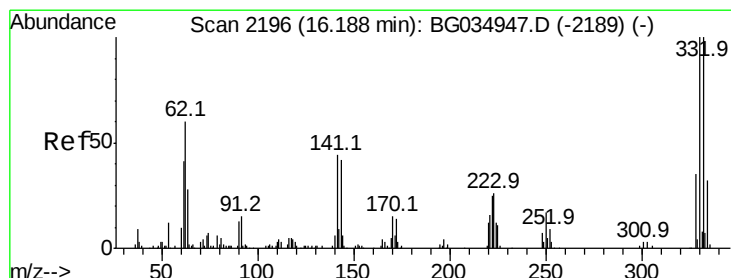
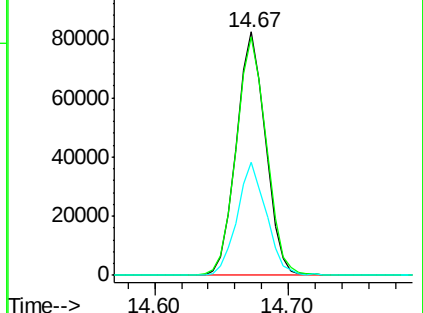
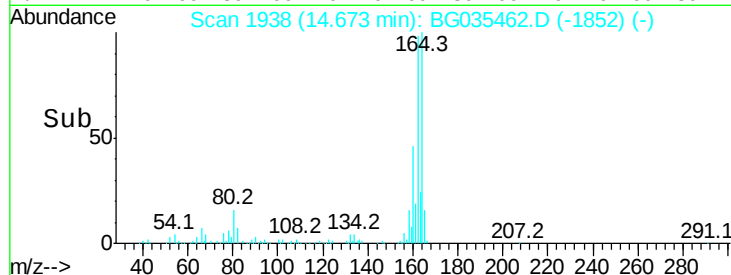
Ion	Ratio	Lower	Upper
164	100		
162	97.7	78.8	118.2
160	46.3	35.4	53.0



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: 193.577 ng

RT: 16.16 min Scan# 2191

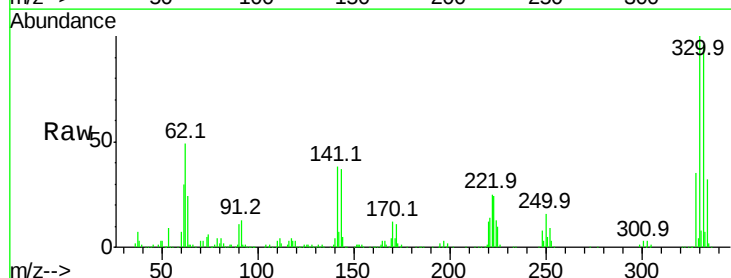
Delta R.T. -0.02 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

Tgt Ion:330 Resp: 308061

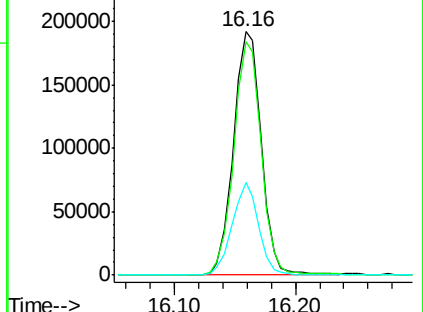
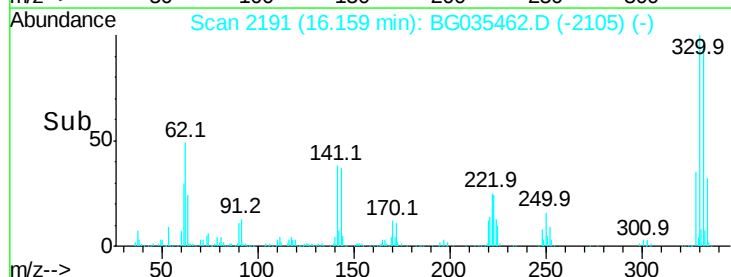
Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	36.0	25.2	37.8

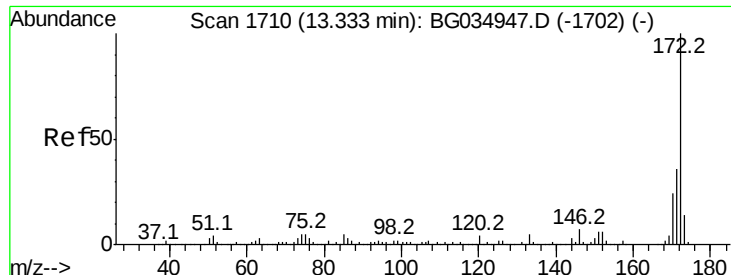


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.108 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.03 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

Instrument :

BNA_G

ClientSampleId :

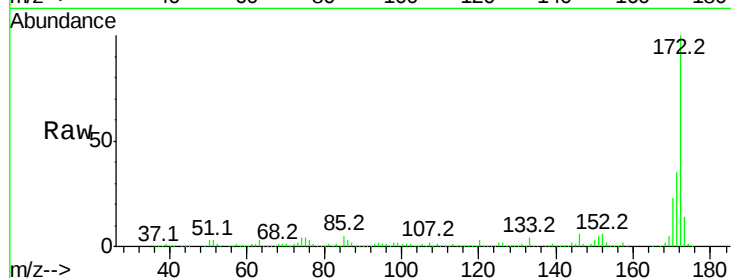
Tot Ion:172 Resp: 919067

Ion Ratio Lower Upper

172 100

171 34.6 30.0 45.0

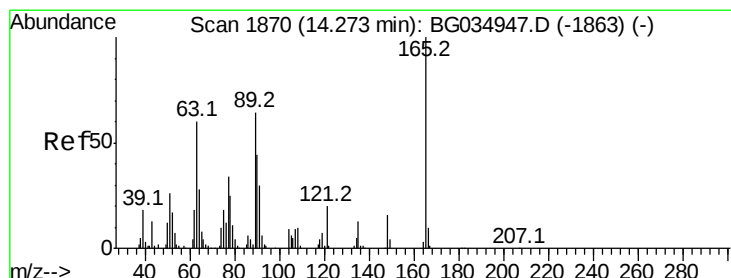
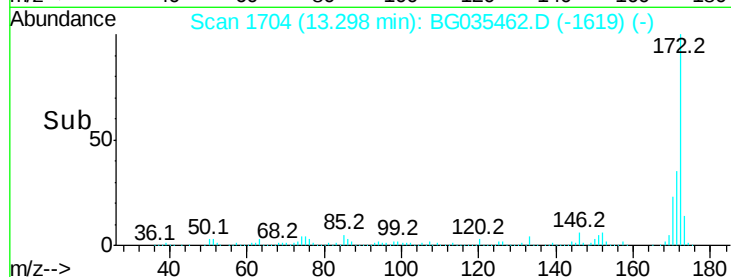
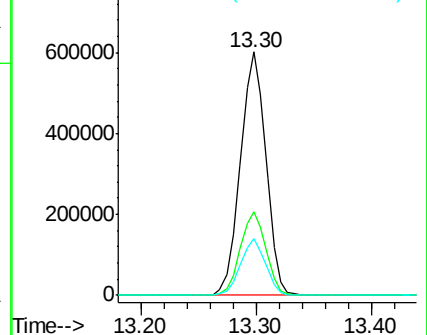
170 23.1 19.5 29.3



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: 9.098 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.40 min

Lab File: BG035462.D

Acq: 28 Jun 2018 2:00

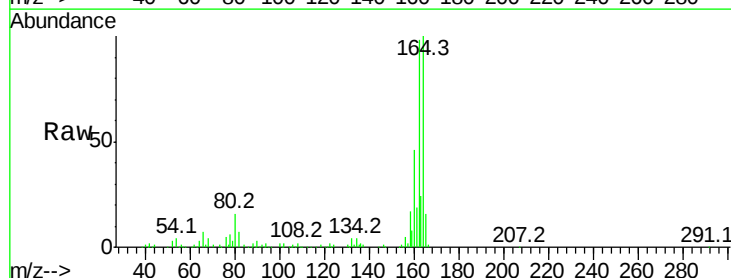
Tgt Ion:165 Resp: 17993

Ion Ratio Lower Upper

165 100

63 1.3 52.7 79.1#

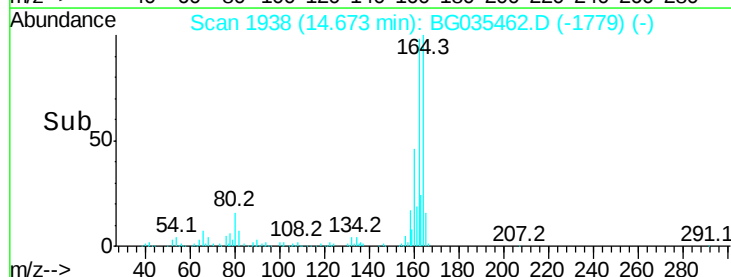
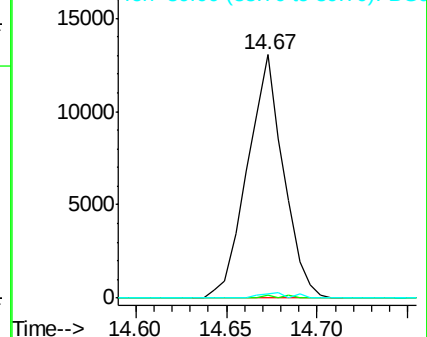
89 2.0 49.2 73.8#

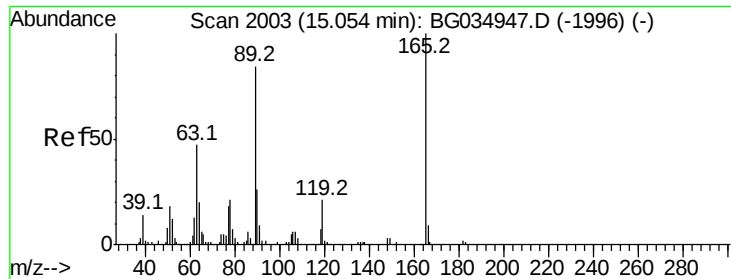


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

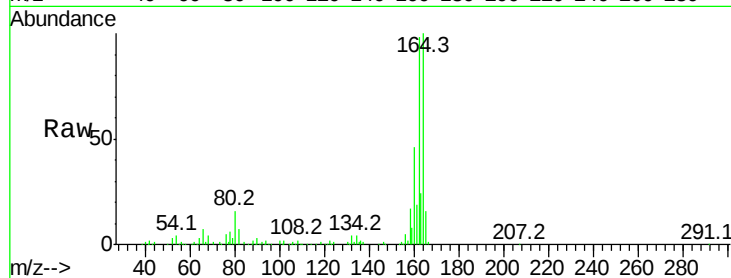




#56
 2,4-Dinitrotoluene
 Concen: 6.849 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035462.D
 Acq: 28 Jun 2018 2:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#

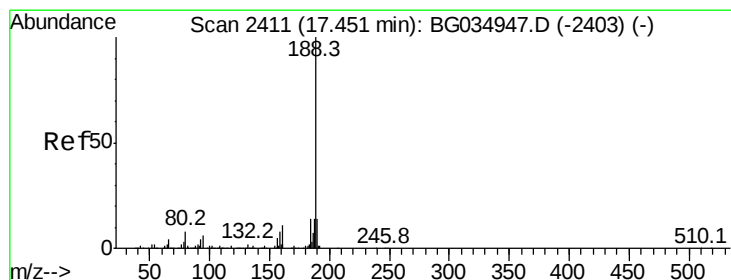
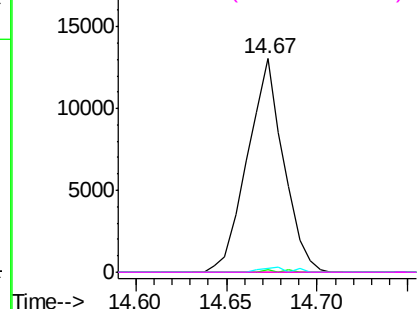
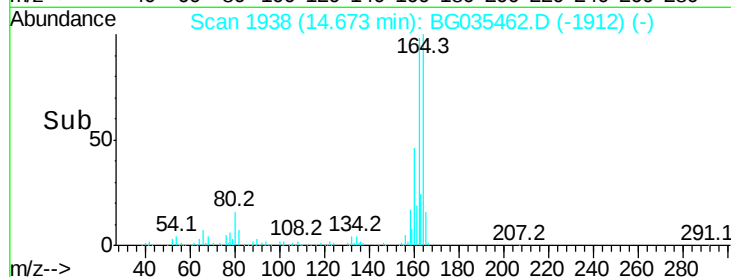


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

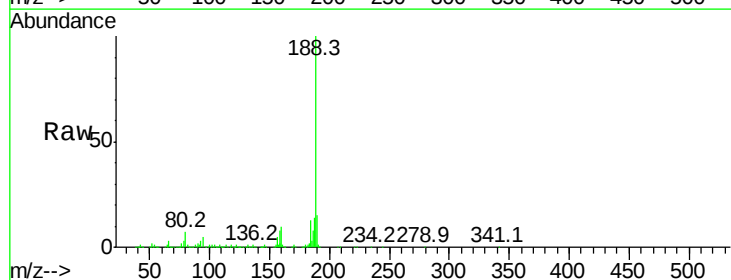
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035462.D
 Acq: 28 Jun 2018 2:00

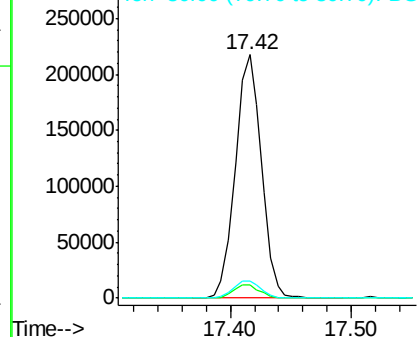
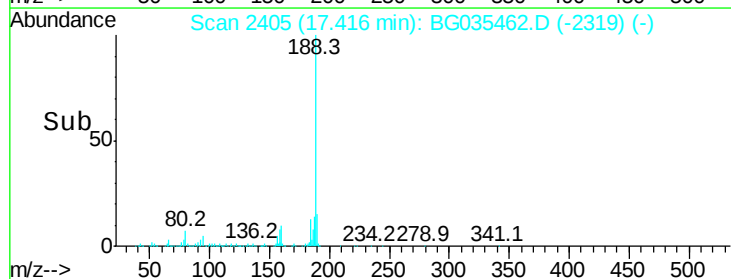
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	6.9	10.3#
80	7.1	7.7	11.5#



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

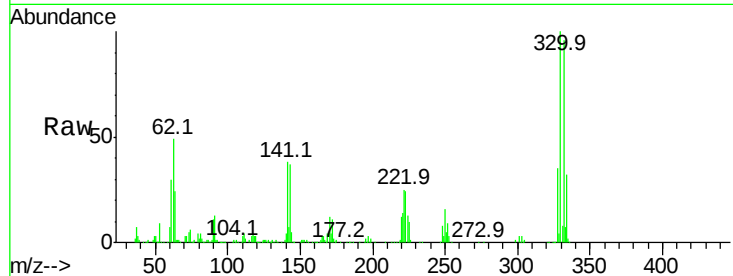




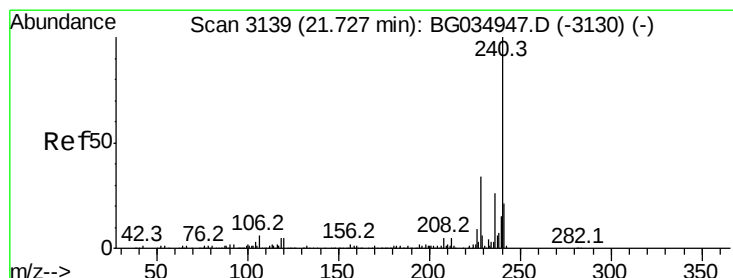
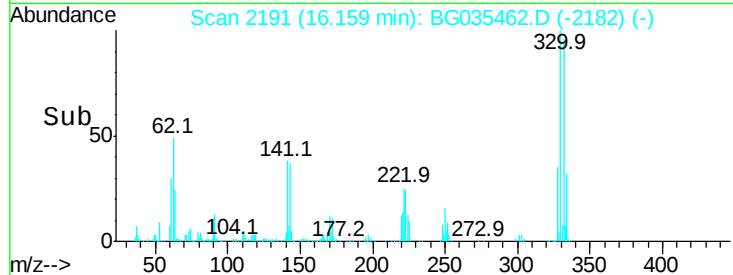
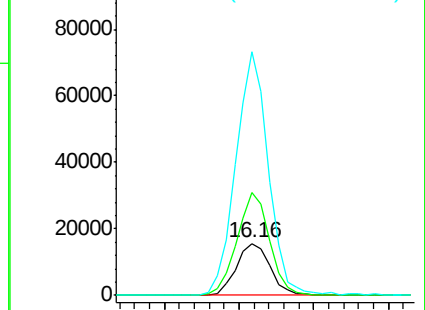
#66
 4-Bromophenyl-phenylether
 Concen: 6.188 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035462.D
 Acq: 28 Jun 2018 2:00

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 24379
 Ion Ratio Lower Upper
 248 100
 250 198.4 77.1 115.7#
 141 470.3 50.8 76.2#

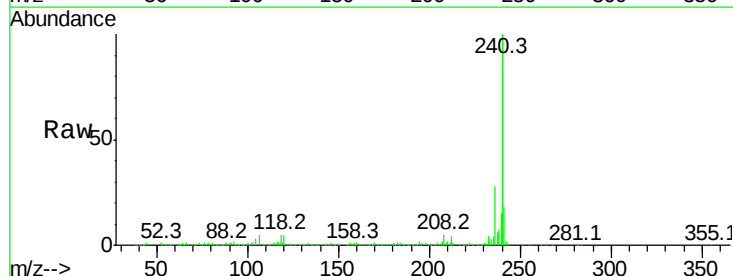


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

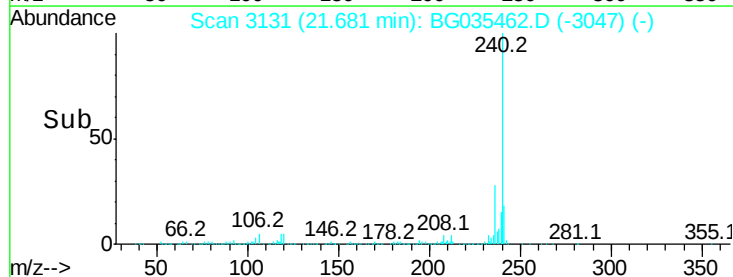
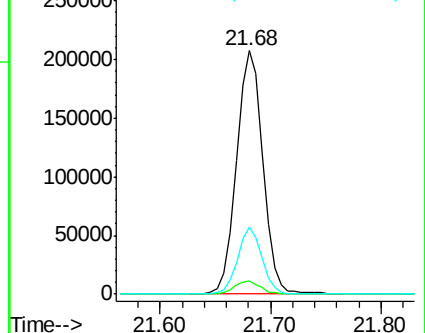


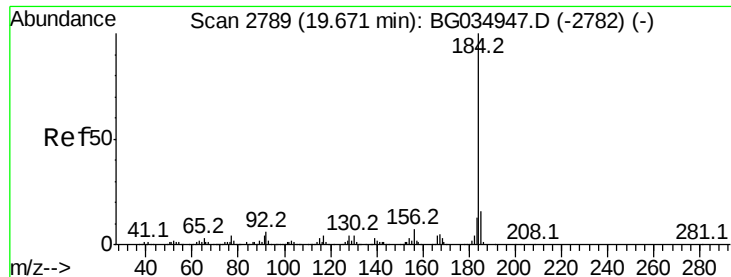
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035462.D
 Acq: 28 Jun 2018 2:00

Tgt Ion:240 Resp: 347427
 Ion Ratio Lower Upper
 240 100
 120 5.4 6.8 10.2#
 236 27.6 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

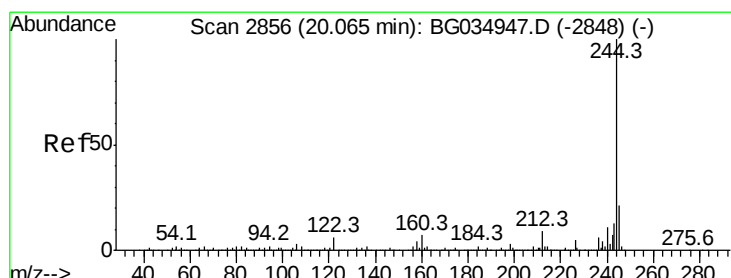
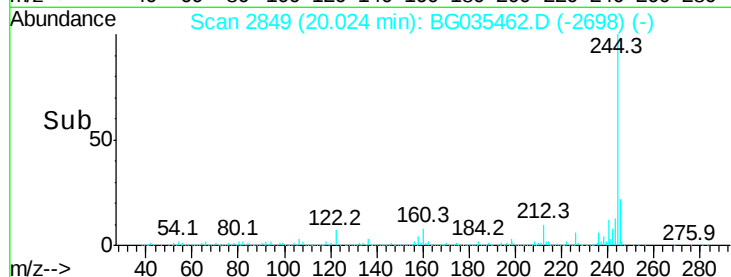
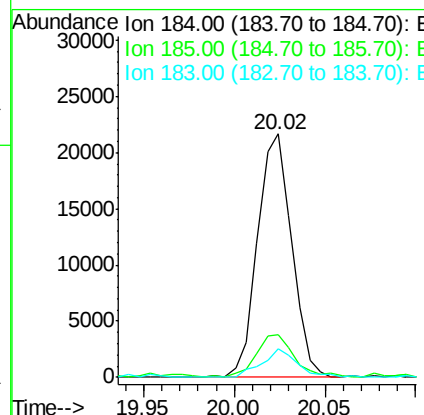
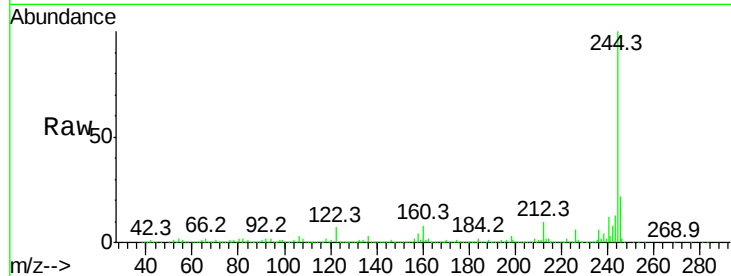




#76
Benzidine
Concen: 2.191 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035462.D
Acq: 28 Jun 2018 2:00

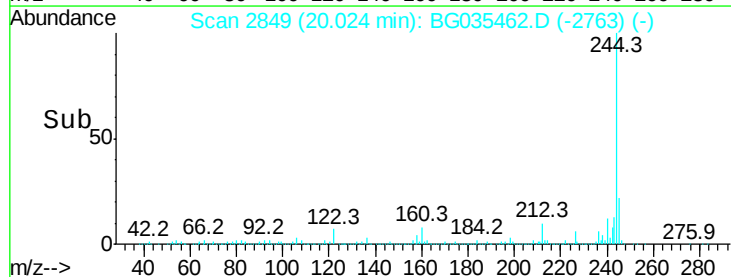
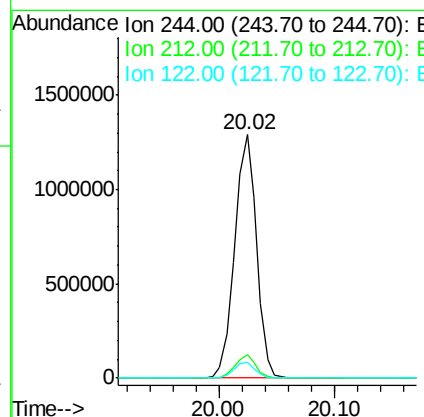
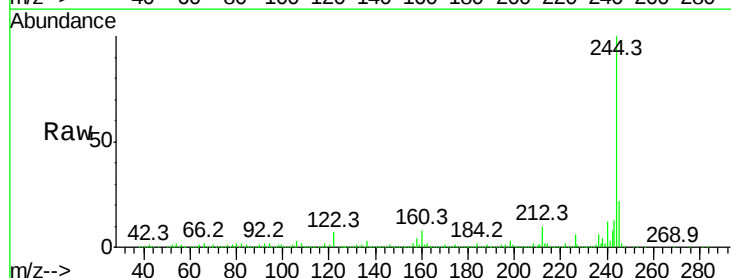
Instrument :
BNA_G
ClientSampleId :

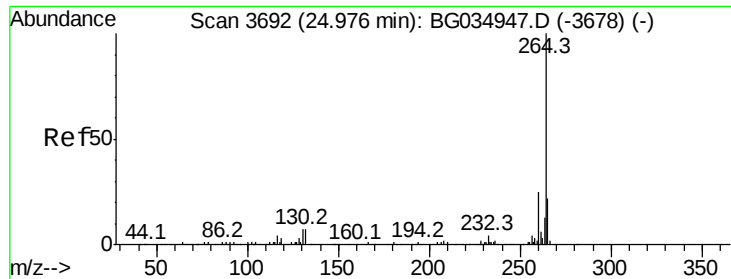
Tot Ion:184 Resp: 28319
Ion Ratio Lower Upper
184 100
185 17.6 11.1 16.7#
183 11.8 10.6 16.0



#78
Terphenyl-d14
Concen: 101.538 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035462.D
Acq: 28 Jun 2018 2:00

Tgt Ion:244 Resp: 1684128
Ion Ratio Lower Upper
244 100
212 9.6 5.8 8.8#
122 6.7 7.0 10.4#

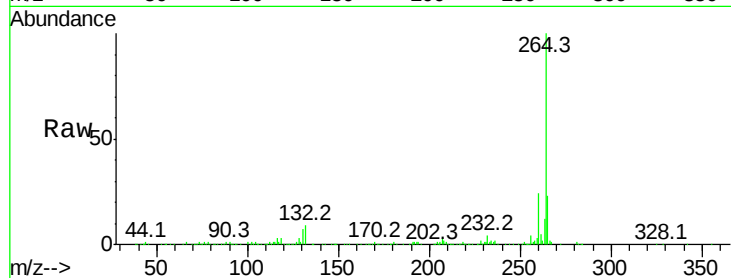




#86
Pervlone-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3678
Delta R.T. -0.06 min
Lab File: BG035462.D
Acq: 28 Jun 2018 2:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	22.8	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

