

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061418\
 Data File : BG035146.D
 Acq On : 14 Jun 2018 20:28
 Operator : SJ/JU
 Sample : J3467-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 15 02:04:35 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

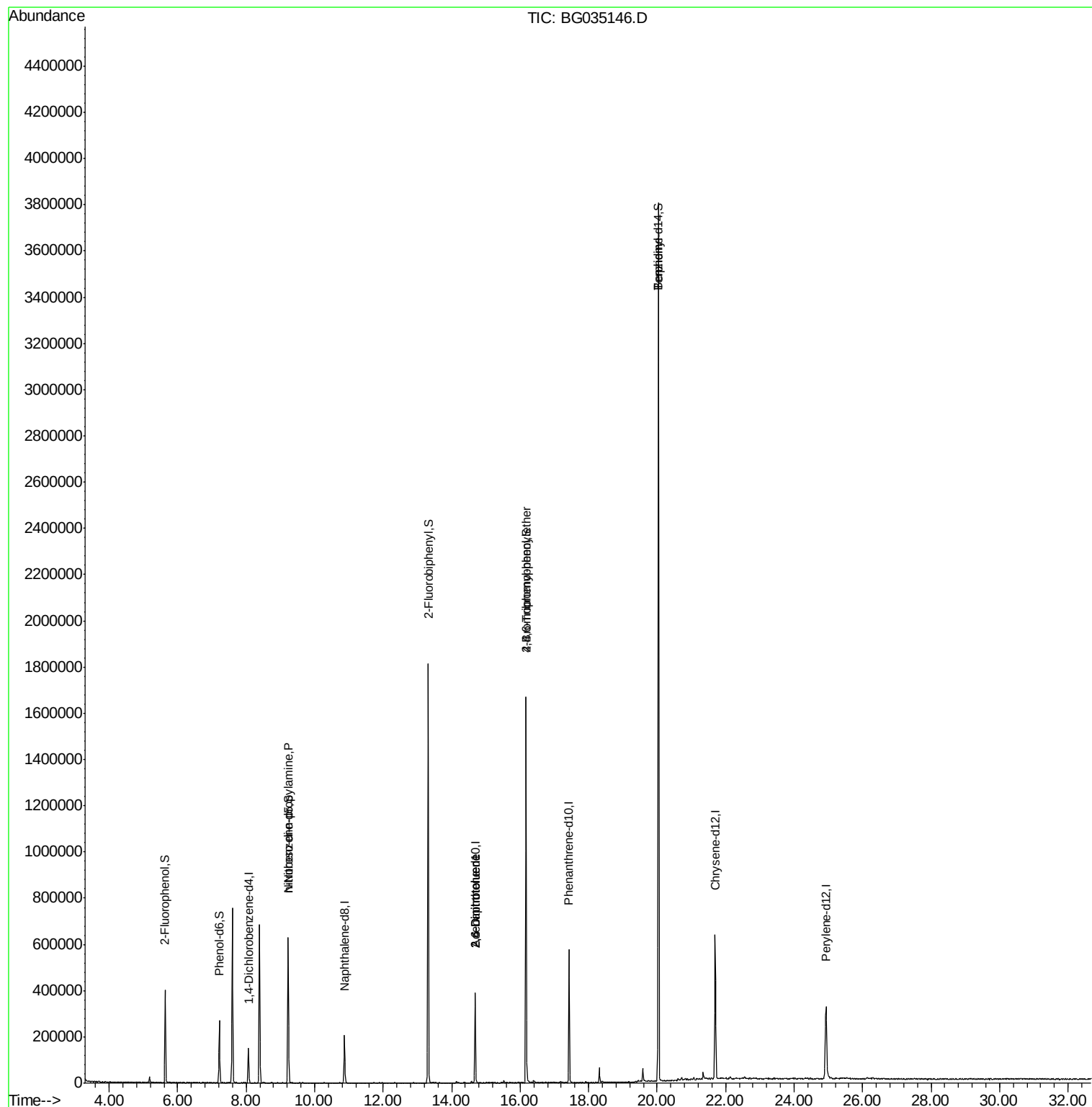
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	43857	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	175987	20.00	ng	-0.02
38) Acenaphthene-d10	14.69	164	134606	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	360398	20.00	ng	0.00
75) Chrysene-d12	21.69	240	396428	20.00	ng	-0.02
86) Perylene-d12	24.93	264	376586	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	171869	66.13	ng	0.00
7) Phenol-d6	7.21	99	158094	41.22	ng	0.00
23) Nitrobenzene-d5	9.22	82	414531	111.97	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	309046	179.35	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	996962	96.28	ng	-0.02
78) Terphenyl-d14	20.04	244	1777985	93.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56030	17.194	ng	# 65
50) 2,6-Dinitrotoluene	14.69	165	17544	8.193	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	17544	6.167	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	24711	5.694	ng	# 1
76) Benzidine	20.04	184	31721	2.151	ng	# 92

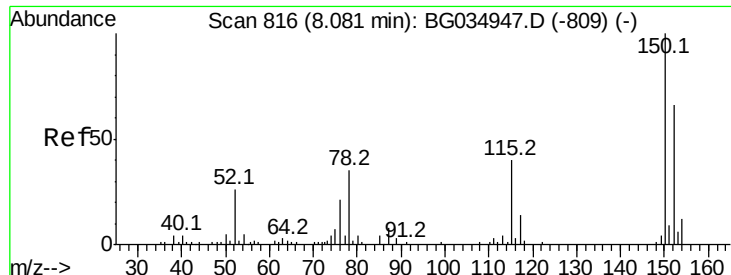
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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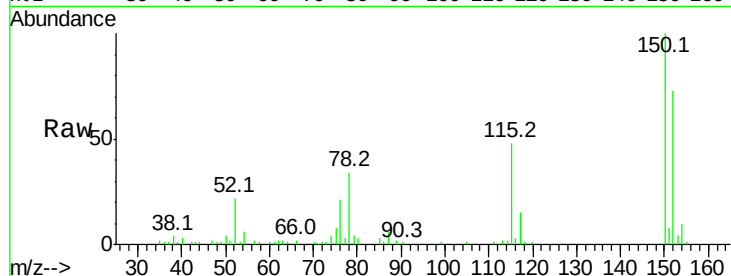


#1

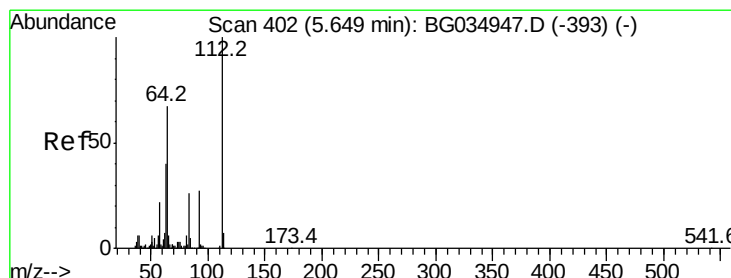
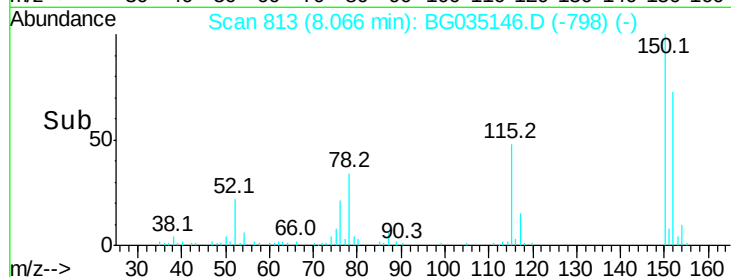
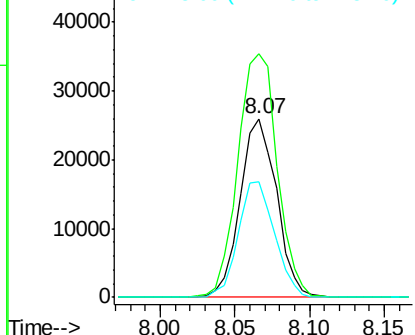
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.3	126.6	189.8
115	64.9	53.0	79.4



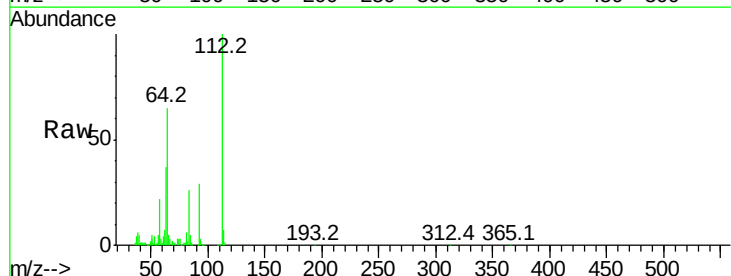
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



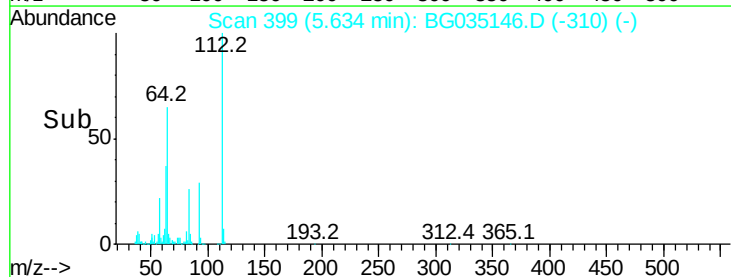
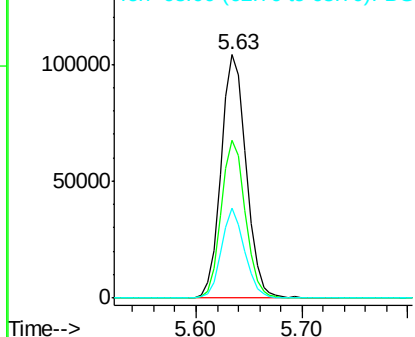
#5

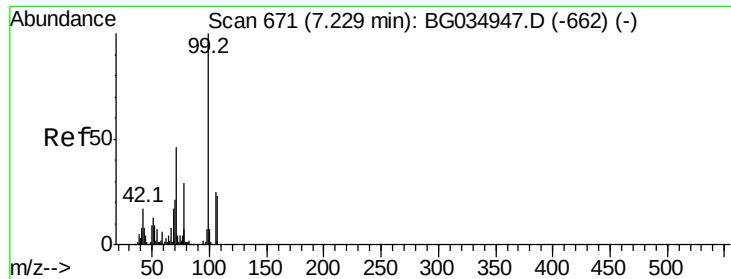
2-Fluorophenol
Concen: 66.135 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	56.3	84.5
63	37.1	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 41.217 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA_G

ClientSampleId :

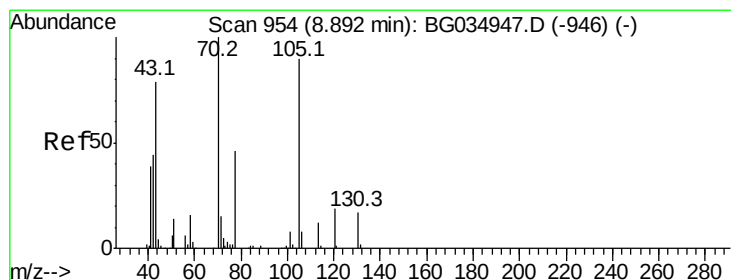
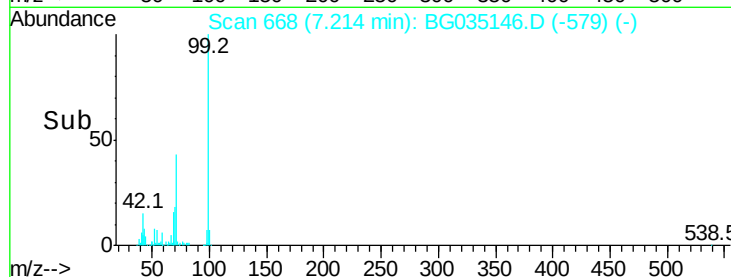
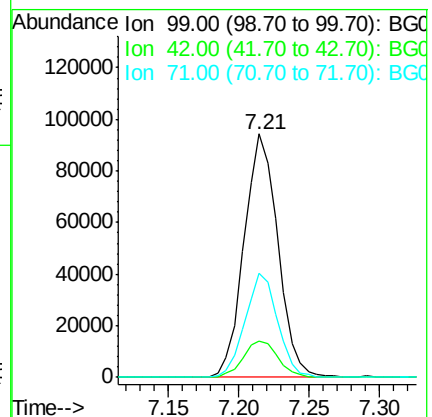
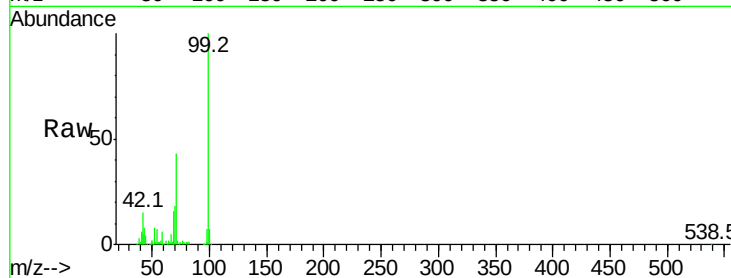
Tot Ion: 99 Resp: 158094

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

71 42.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.194 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Tgt Ion: 70 Resp: 56030

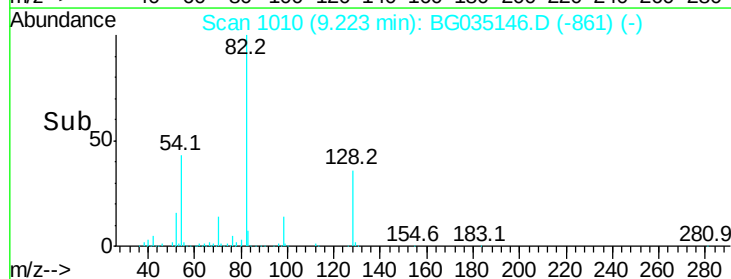
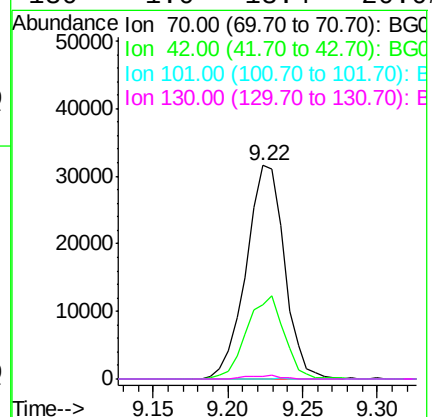
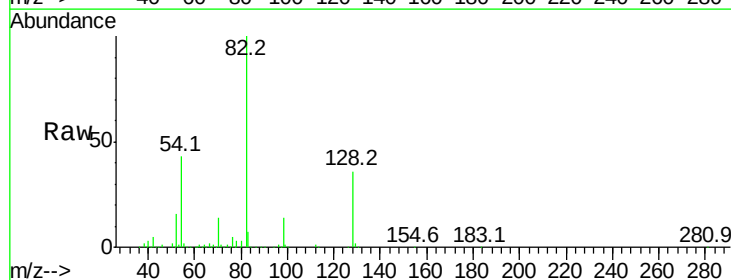
Ion Ratio Lower Upper

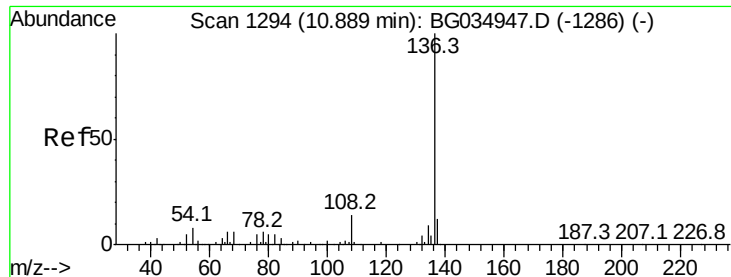
70 100

42 34.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.0 13.4 20.0#

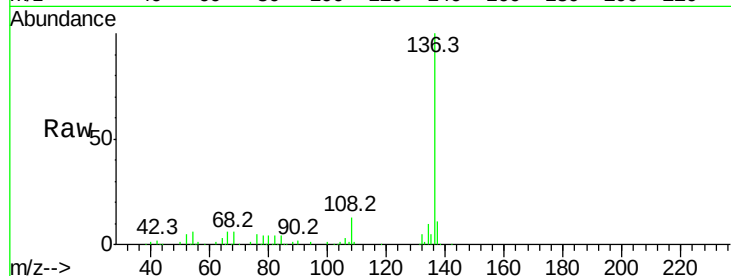




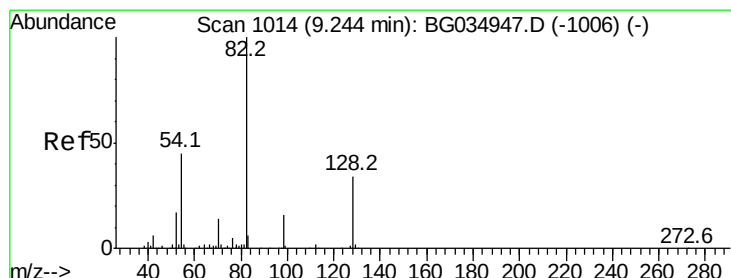
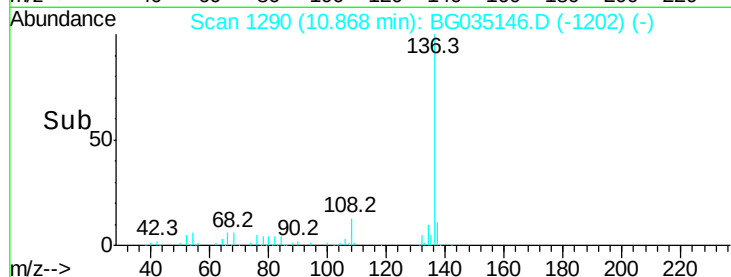
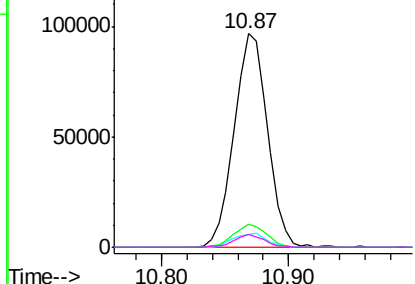
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	175987
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	6.1	10.3	15.5#
68	5.8	4.5	6.7

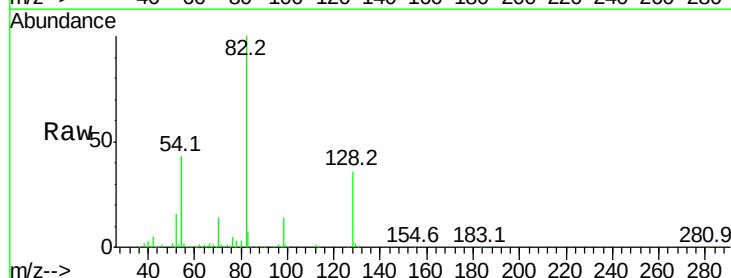


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

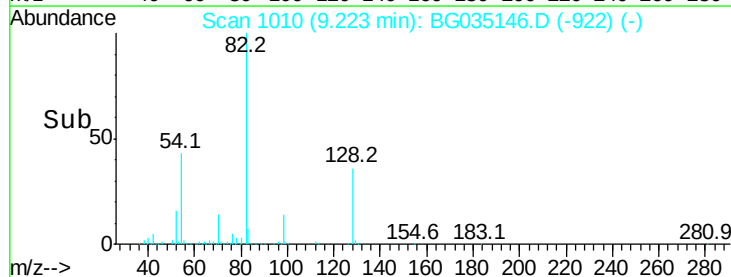
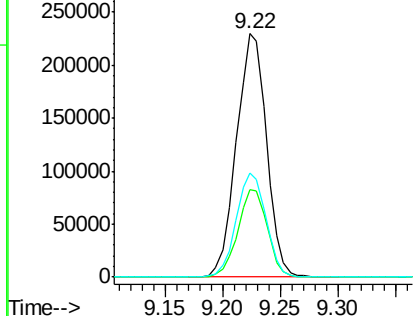


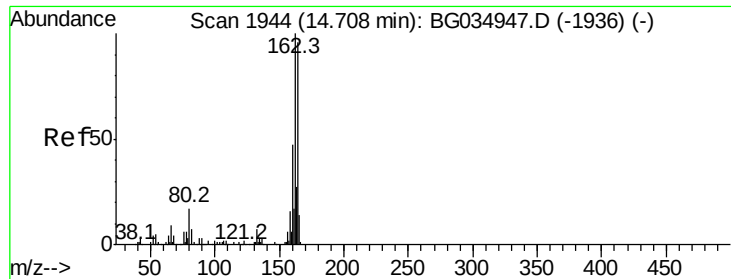
#23
Nitrobenzene-d5
Concen: 111.965 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Tgt Ion:	82	Resp:	414531
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.7	44.5
54	43.0	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

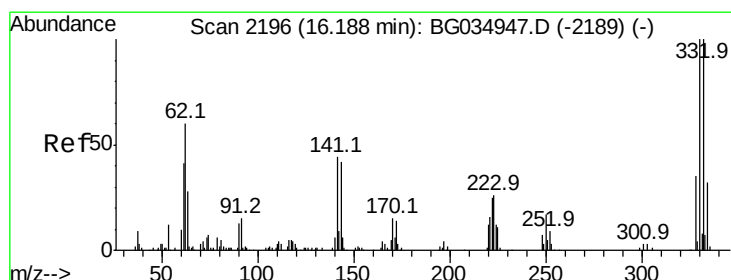
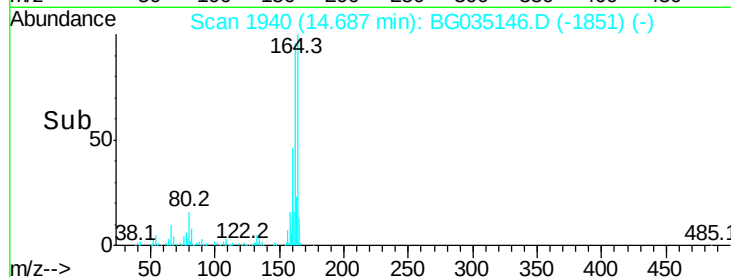
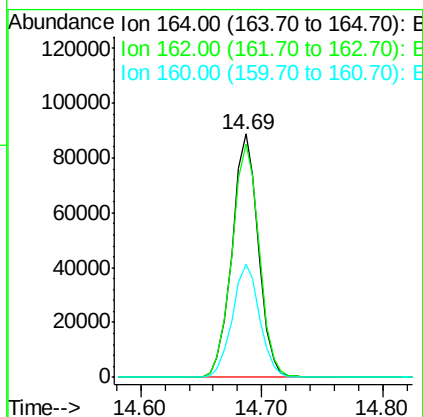
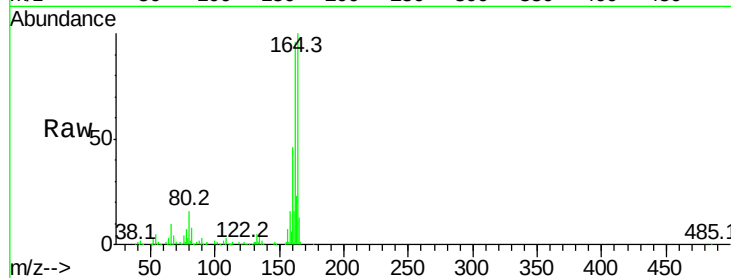




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

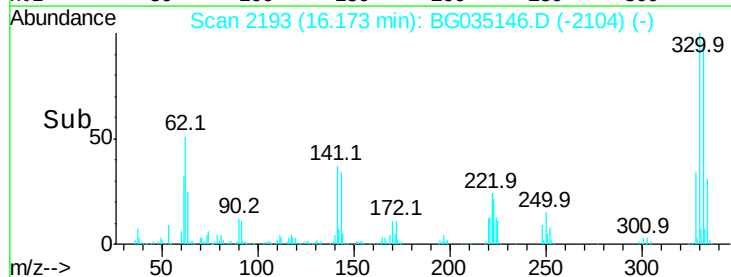
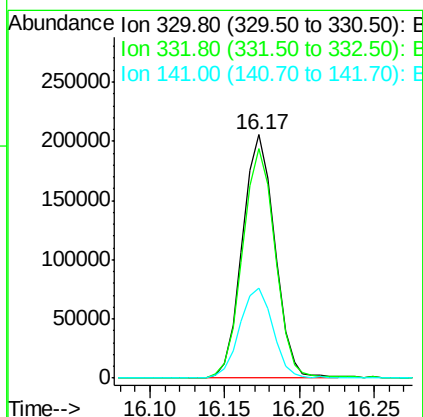
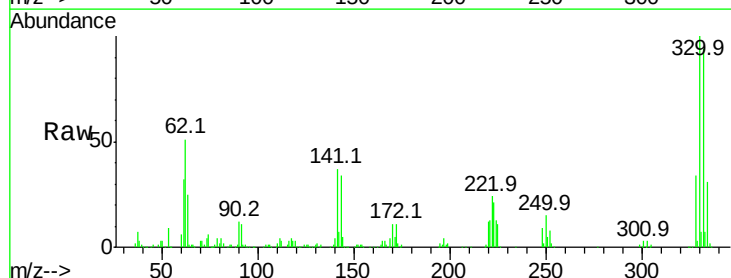
Instrument :
BNA_G
ClientSampled :

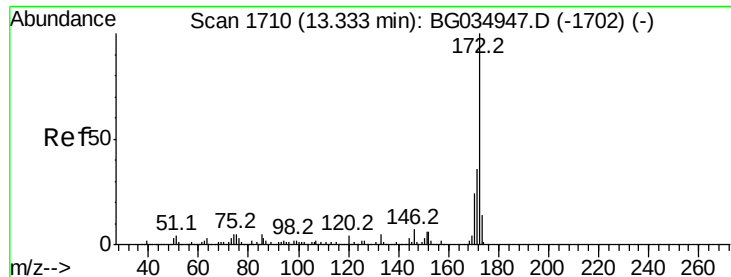
Tot Ion	Ratio	Lower	Upper
164	100		
162	95.7	78.8	118.2
160	46.4	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 179.352 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	38.2	25.2	37.8

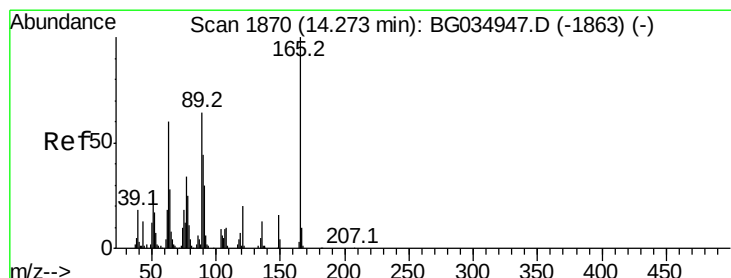
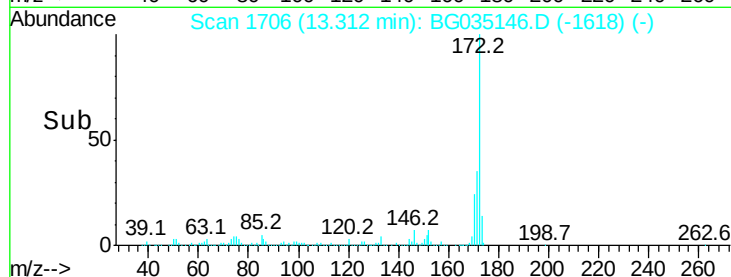
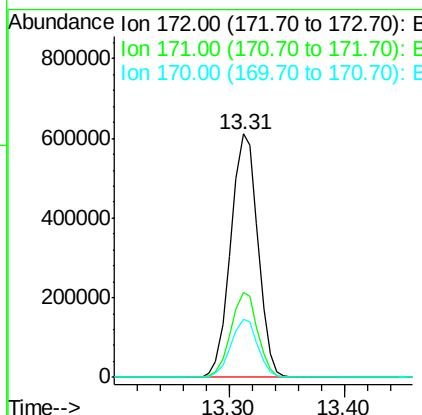
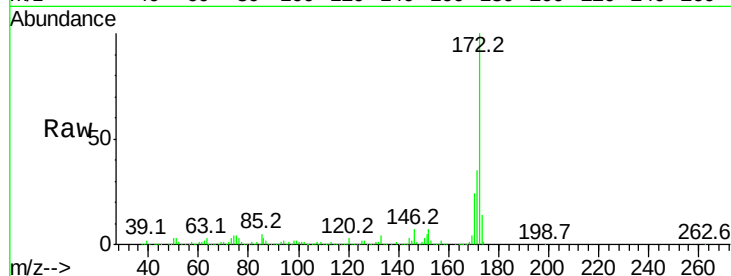




#44
2-Fluorobiphenyl
Concen: 96.285 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

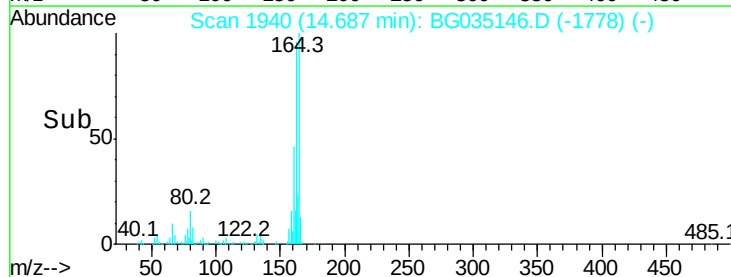
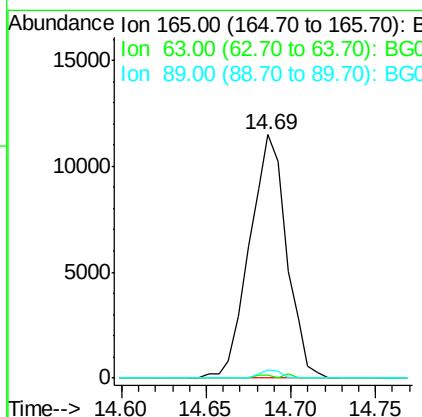
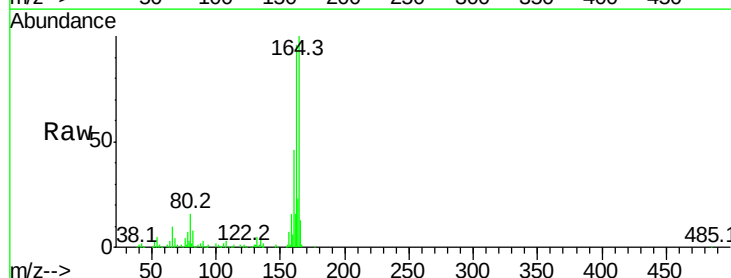
Instrument :
BNA_G
ClientSampleId :

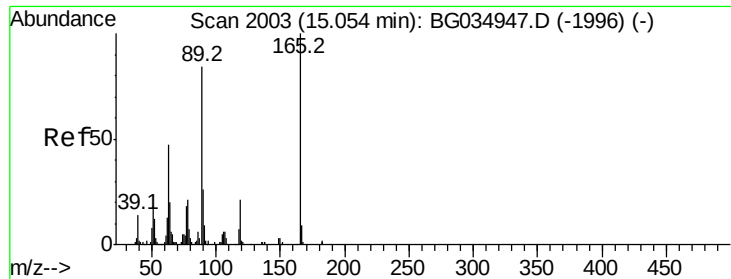
Tot Ion:172 Resp: 996962
Ion Ratio Lower Upper
172 100
171 34.9 30.0 45.0
170 23.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.193 ng
RT: 14.69 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Tgt Ion:165 Resp: 17544
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 3.3 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.167 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.36 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17544

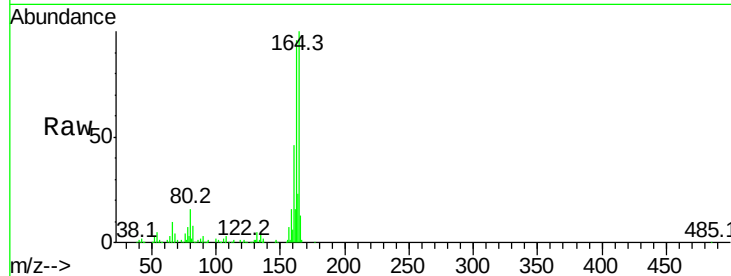
Ion Ratio Lower Upper

165 100

63 1.3 42.0 63.0#

89 3.3 66.9 100.3#

182 0.0 2.6 3.8#

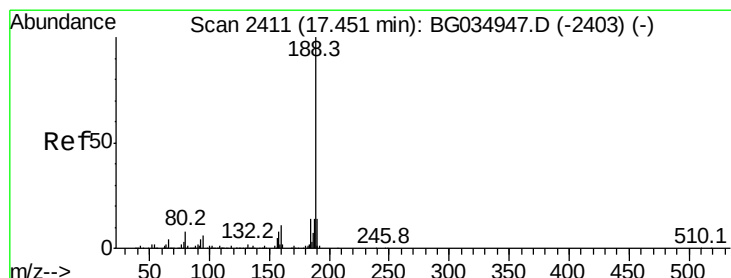
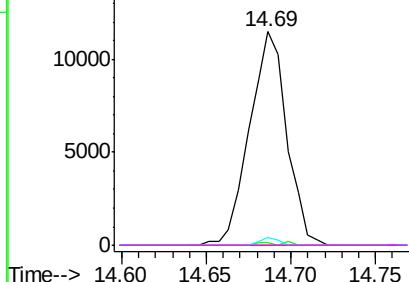
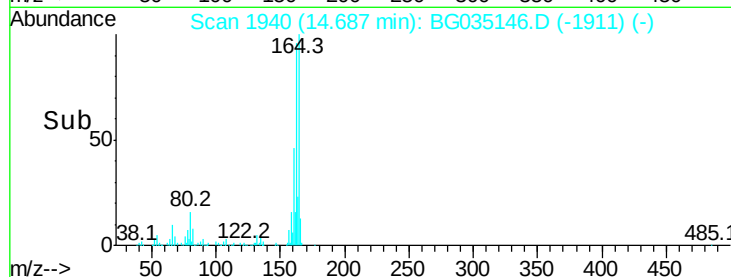


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

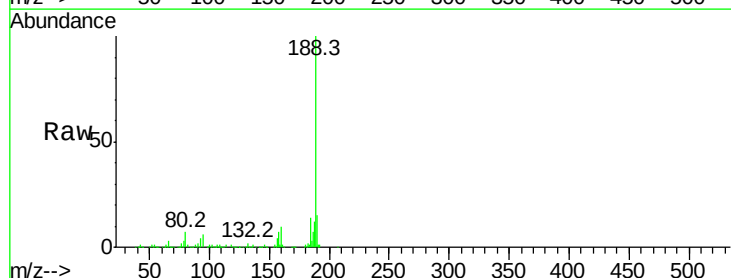
Tgt Ion:188 Resp: 360398

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

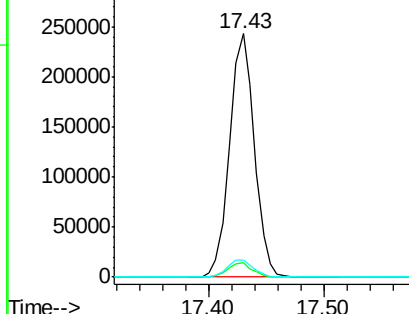
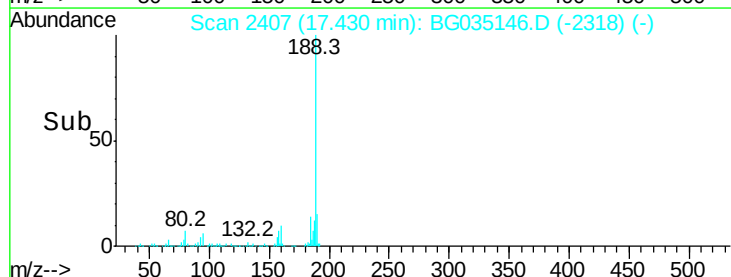
80 7.0 7.7 11.5#

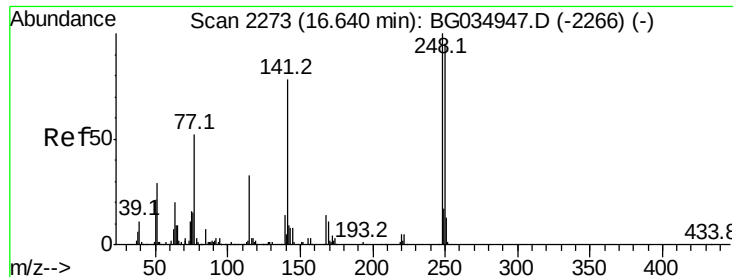


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

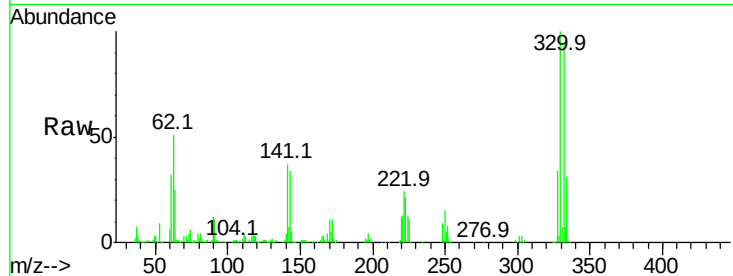




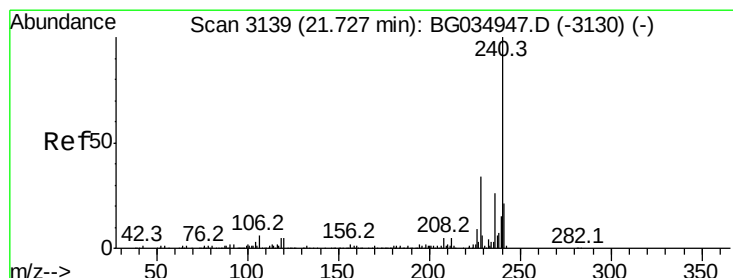
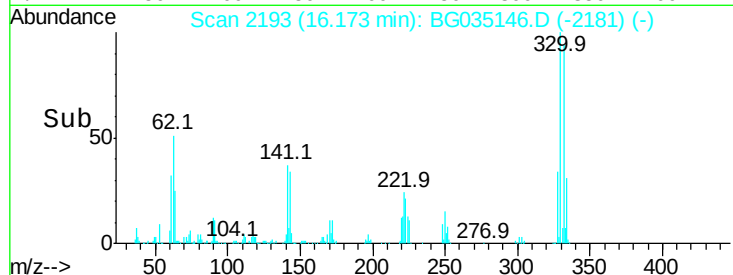
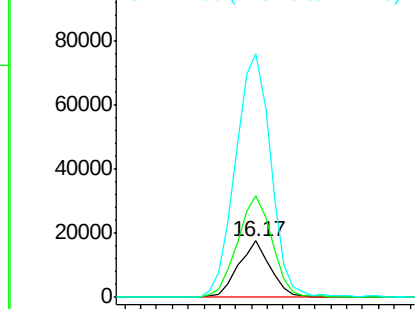
#66
4-Bromophenyl-phenylether
Concen: 5.694 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 24711
Ion Ratio Lower Upper
248 100
250 180.1 77.1 115.7#
141 430.5 50.8 76.2#

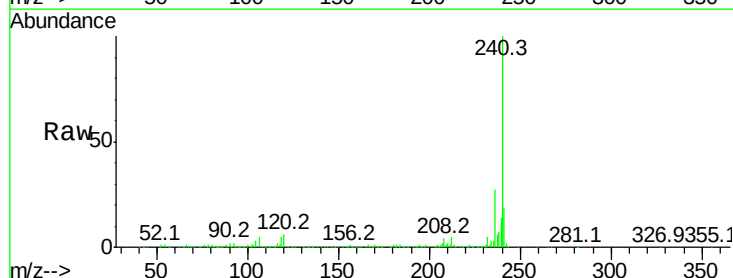


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

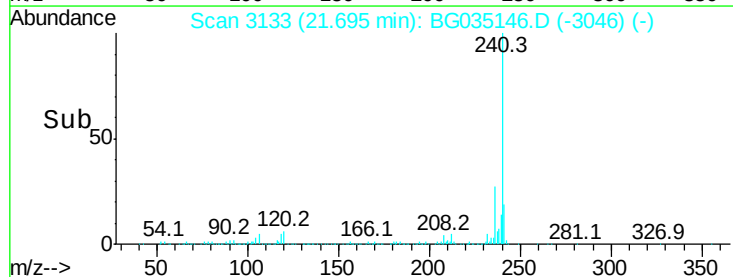
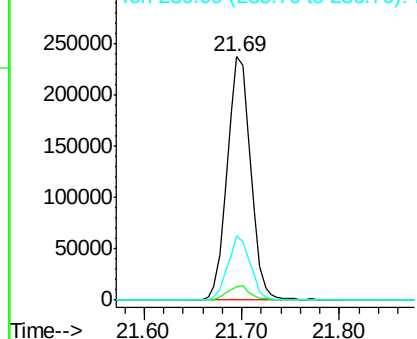


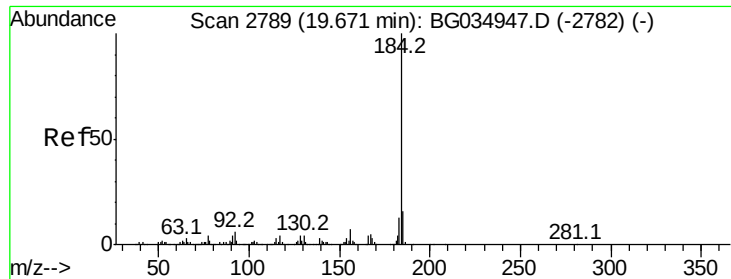
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Tgt Ion:240 Resp: 396428
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 26.5 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: 2.151 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA_G

ClientSampleId :

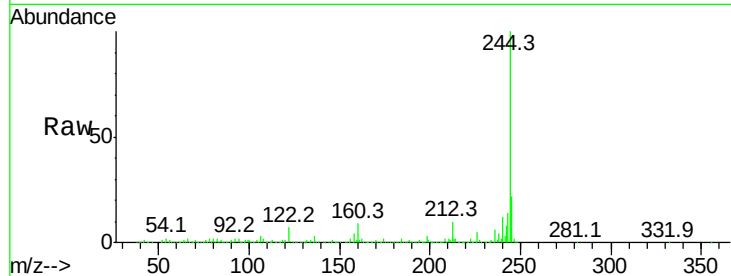
Tot Ion:184 Resp: 31721

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

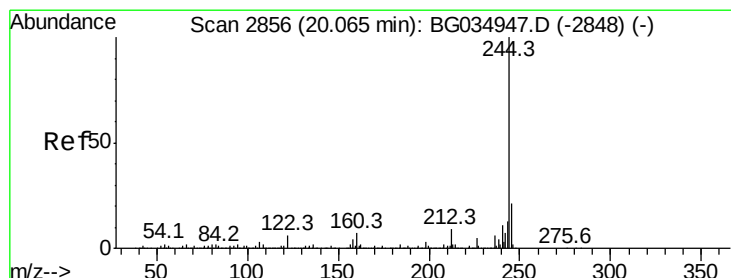
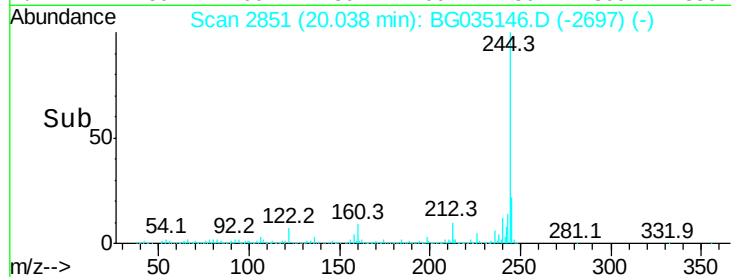
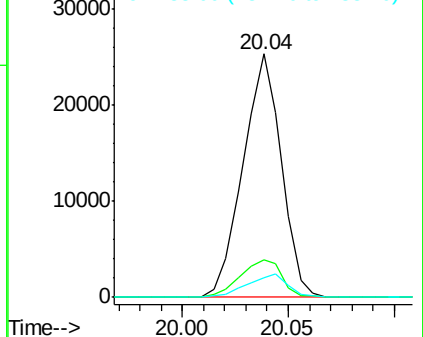
183 8.1 10.6 16.0#



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: 93.946 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

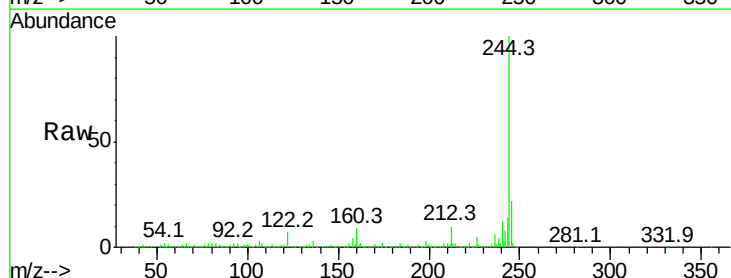
Tgt Ion:244 Resp: 1777985

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

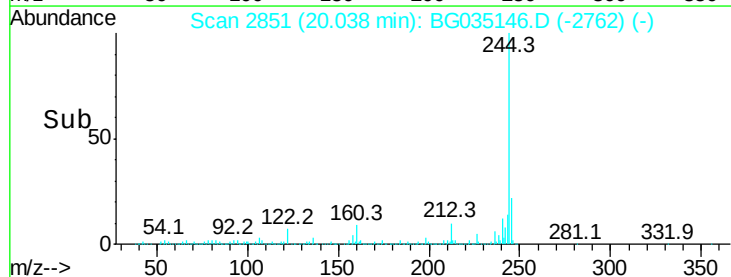
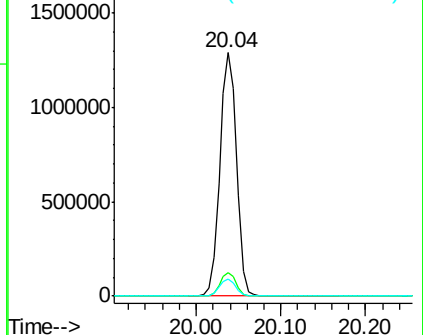
122 7.2 7.0 10.4

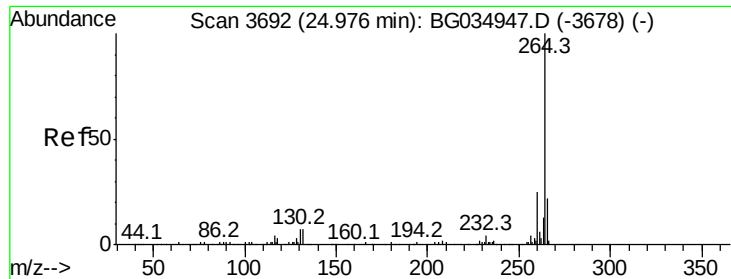


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3684
Delta R.T. -0.02 min
Lab File: BG035146.D
Acq: 14 Jun 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.8	17.7	26.5

