

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035339.D
 Acq On : 22 Jun 2018 18:44
 Operator : JU/SJ
 Sample : J3622-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-D

Quant Time: Jun 22 22:05:34 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

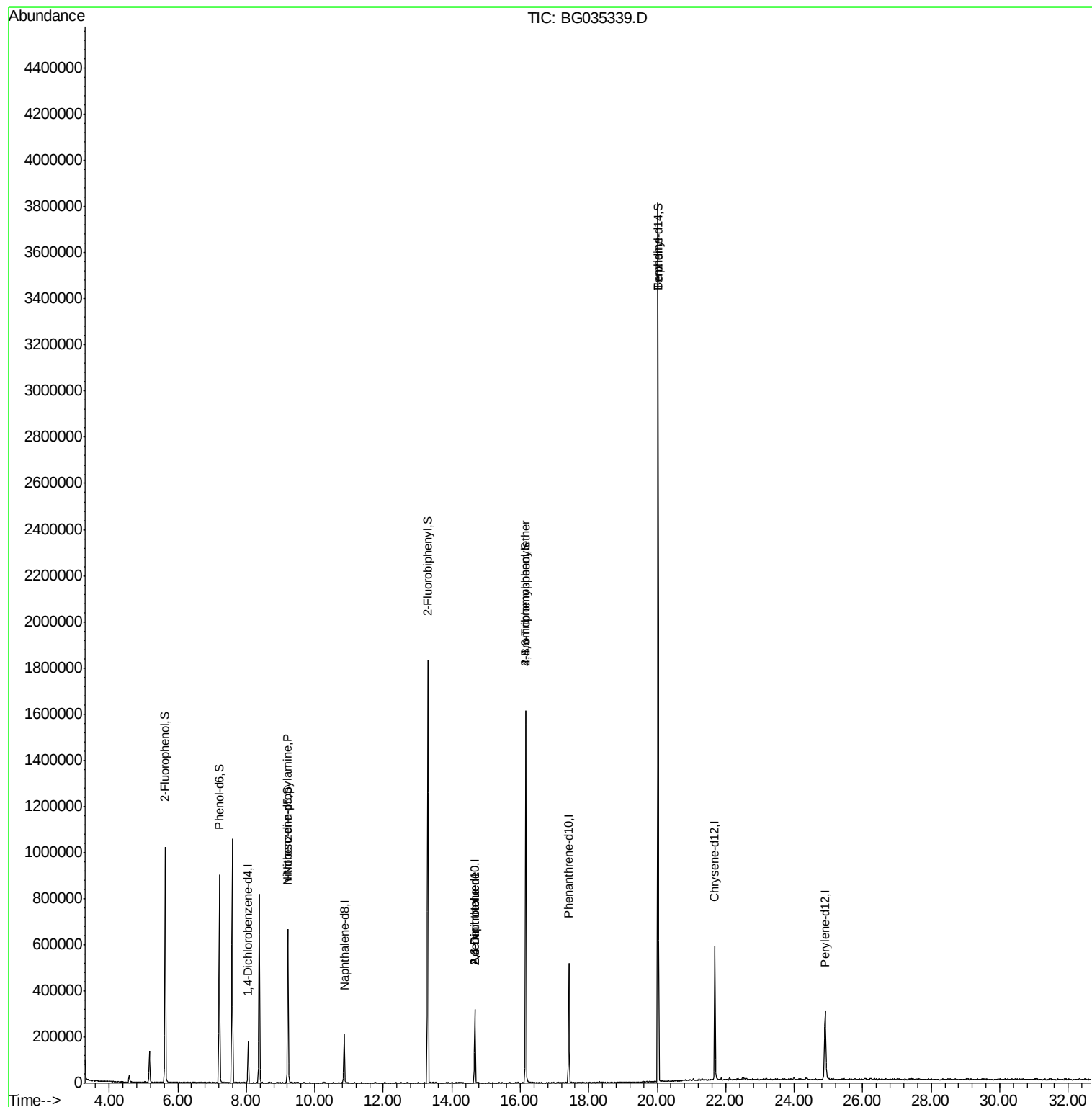
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	52561	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	174822	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	117759	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	334543	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	379566	20.00	ng	-0.04
86) Perylene-d12	24.90	264	357167	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	431139	138.43	ng	-0.01
7) Phenol-d6	7.22	99	568737	123.72	ng	0.00
23) Nitrobenzene-d5	9.22	82	446916	121.52	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	316249	209.79	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1019916	112.59	ng	-0.02
78) Terphenyl-d14	20.02	244	1891926	104.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	61637	15.783	ng	# 66
50) 2,6-Dinitrotoluene	14.67	165	15686	8.373	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	15686	6.303	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	24808	6.158	ng	# 1
76) Benzidine	20.02	184	29941	2.120	ng	# 94

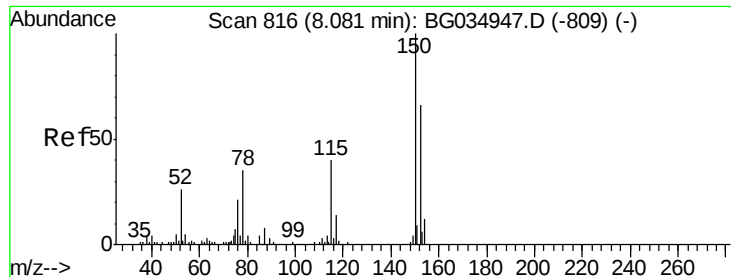
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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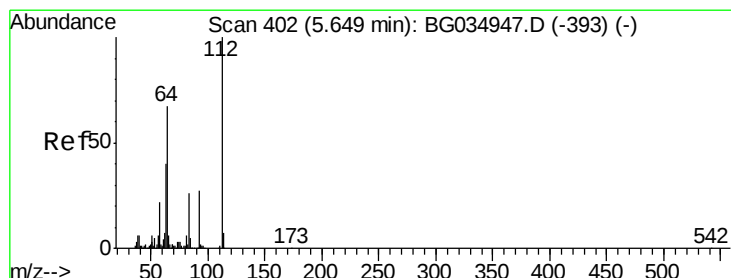
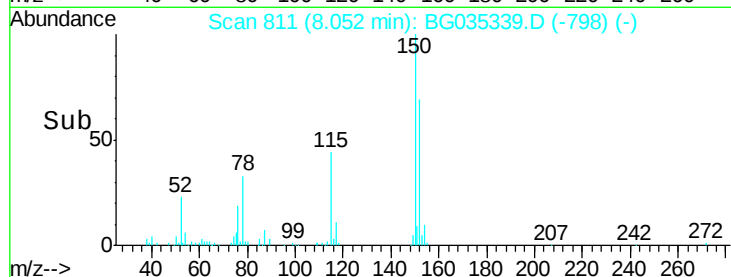
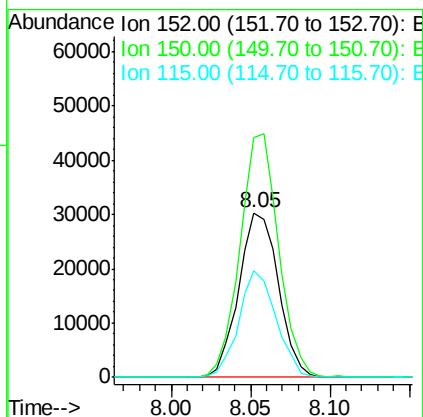
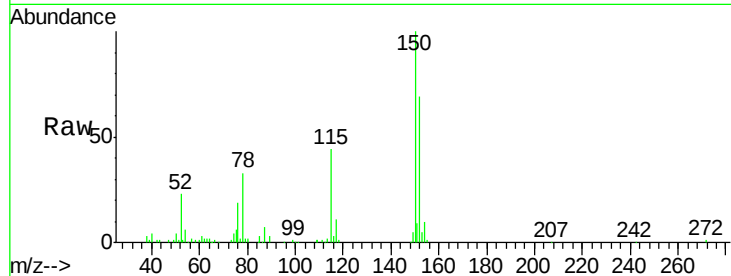


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

Instrument :
 BNA_G
 ClientSampled :
 SP-D

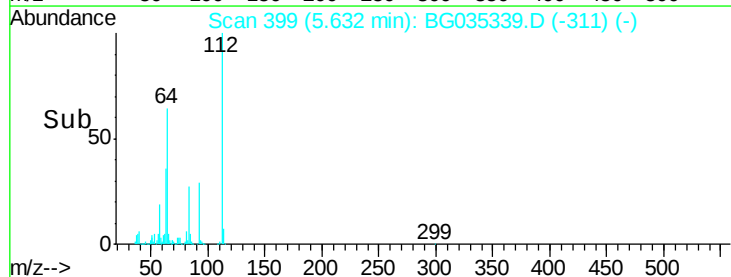
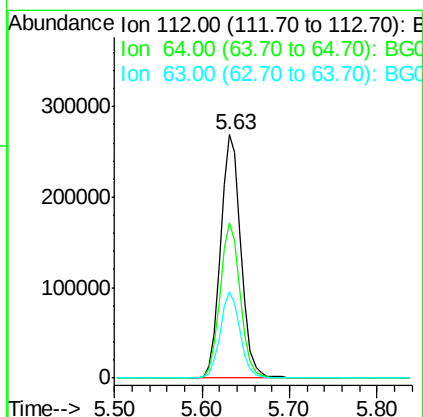
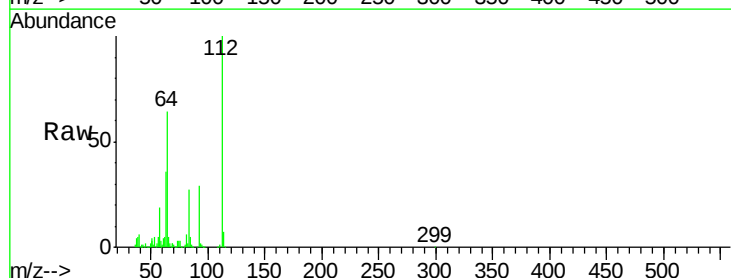
Tgt Ion:152 Resp: 52561
 Ion Ratio Lower Upper
 152 100
 150 145.7 126.6 189.8
 115 64.6 53.0 79.4

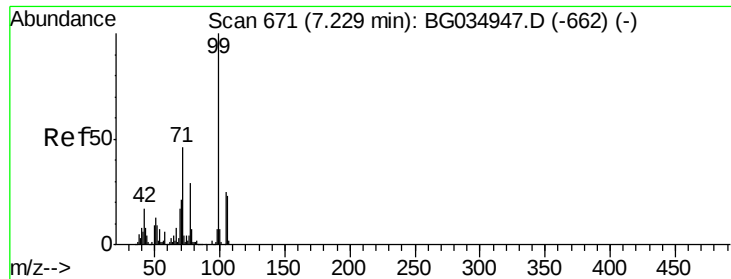


#5

2-Fluorophenol
 Concen: 138.428 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

Tgt Ion:112 Resp: 431139
 Ion Ratio Lower Upper
 112 100
 64 63.6 56.3 84.5
 63 35.5 30.1 45.1





#7

Phenol-d6

Concen: 123.723 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035339.D

Acq: 22 Jun 2018 18:44

Instrument :

BNA_G

ClientSampleId :

SP-D

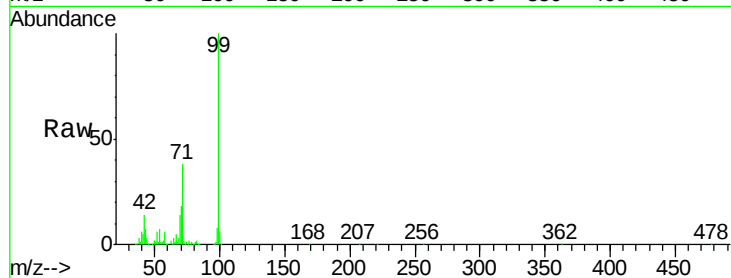
Tgt Ion: 99 Resp: 568737

Ion Ratio Lower Upper

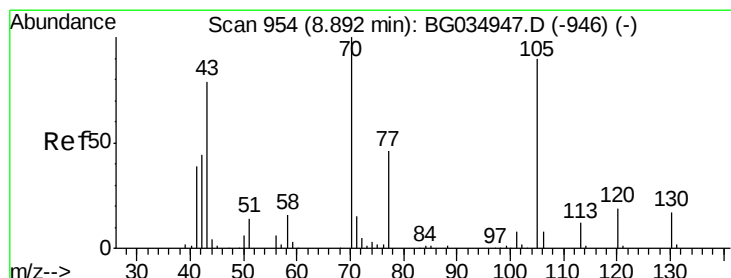
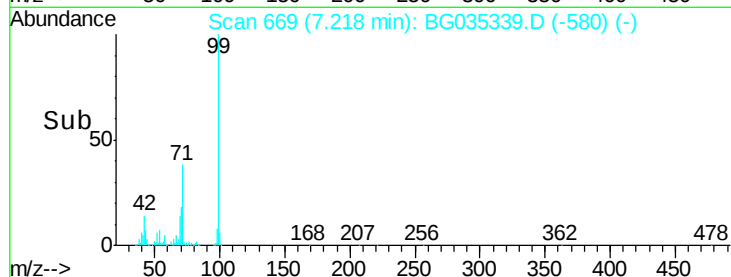
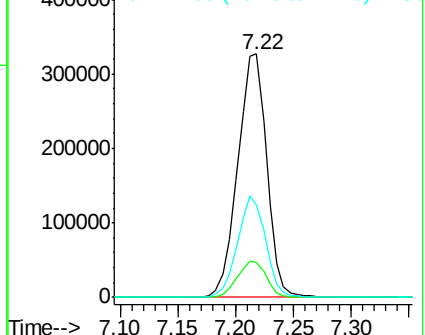
99 100

42 14.1 14.1 21.1

71 37.9 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: 15.783 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035339.D

Acq: 22 Jun 2018 18:44

Tgt Ion: 70 Resp: 61637

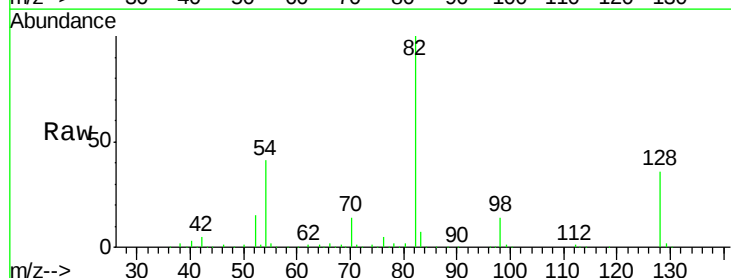
Ion Ratio Lower Upper

70 100

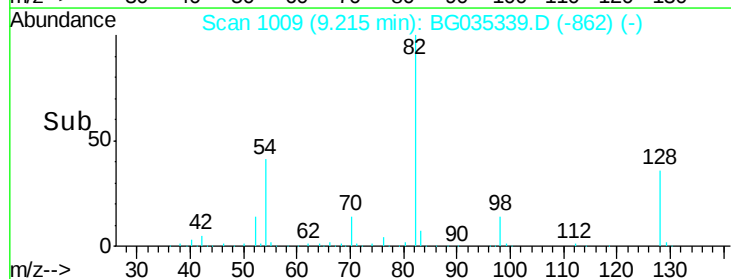
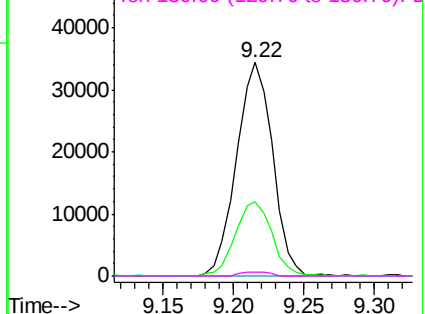
42 34.7 49.1 73.7#

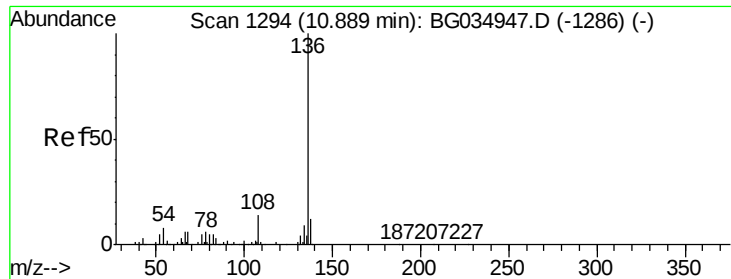
101 0.0 8.5 12.7#

130 1.6 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

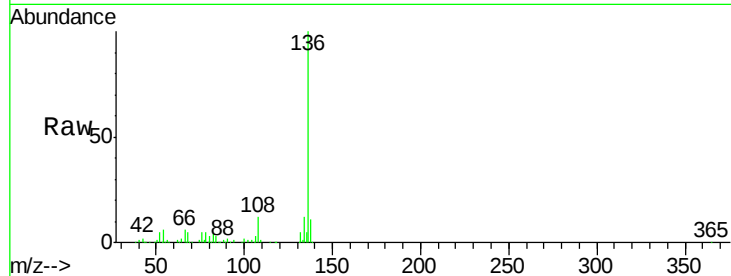




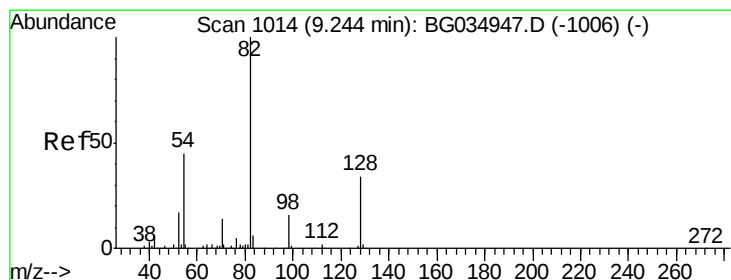
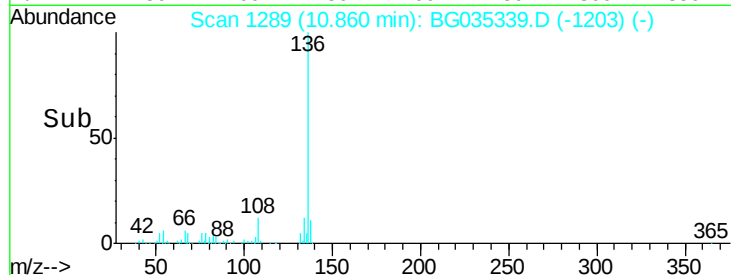
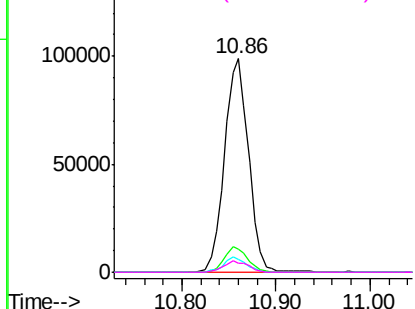
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Instrument :
BNA_G
ClientSampleId :
SP-D

Tgt Ion:	136	Resp:	174822
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	5.9	10.3	15.5#
68	4.5	4.5	6.7

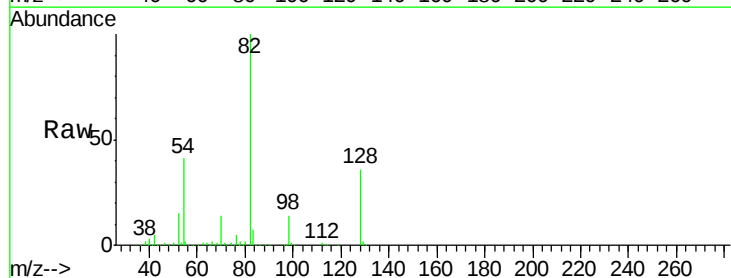


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

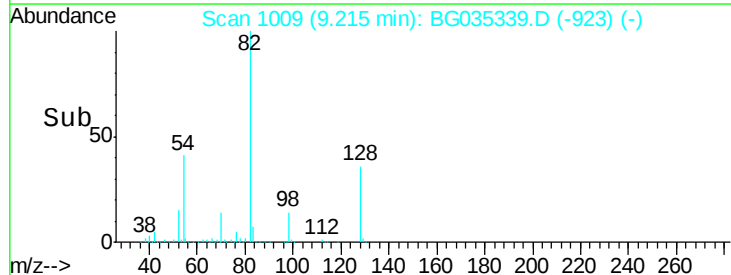
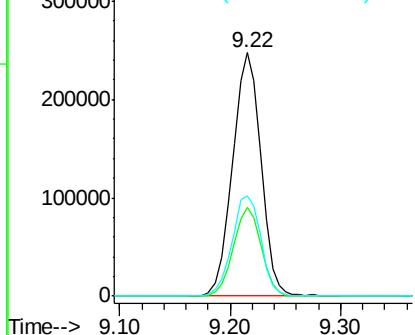


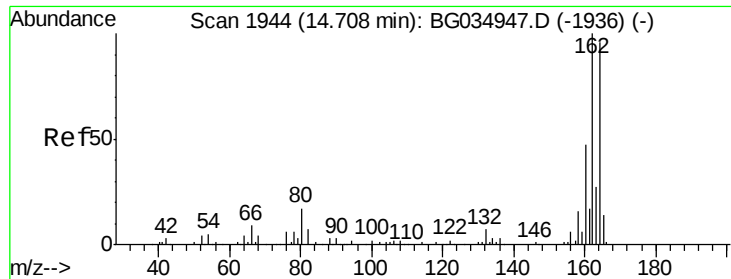
#23
Nitrobenzene-d5
Concen: 121.517 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Tgt Ion:	82	Resp:	446916
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.7	44.5
54	41.2	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

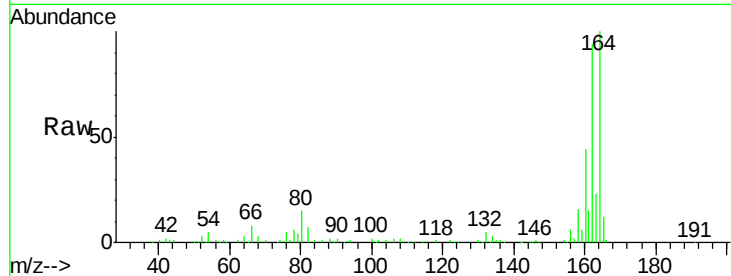




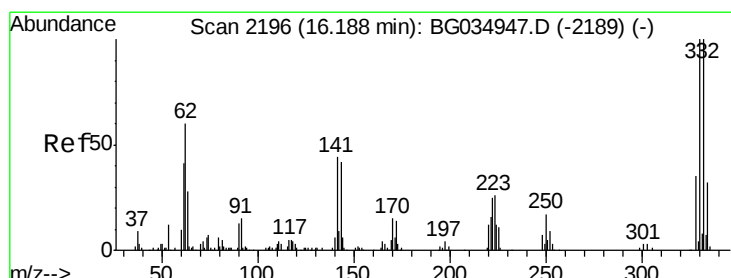
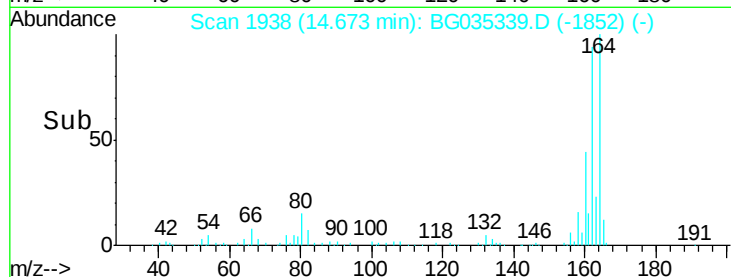
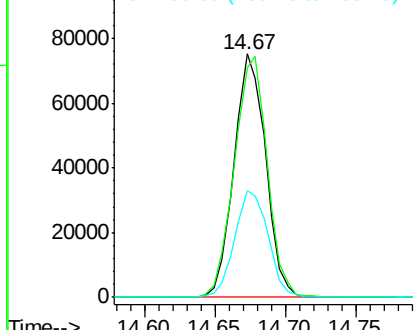
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Instrument :
BNA_G
ClientSampleId :
SP-D

Tgt Ion:164 Resp: 117759
Ion Ratio Lower Upper
164 100
162 94.3 78.8 118.2
160 43.6 35.4 53.0

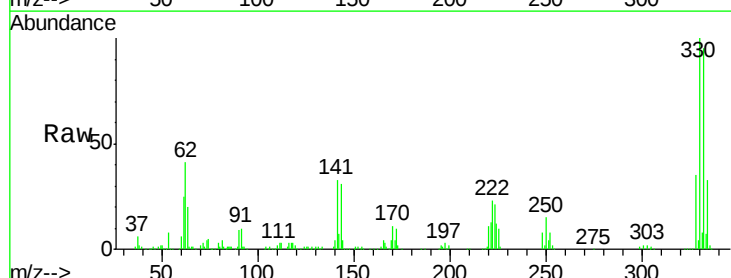


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

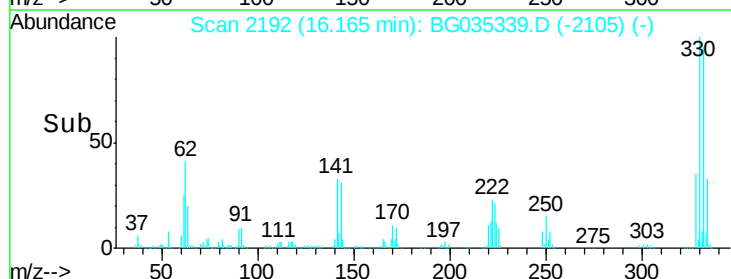
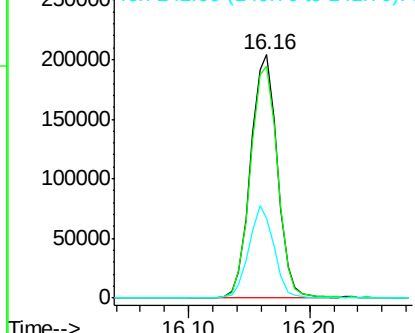


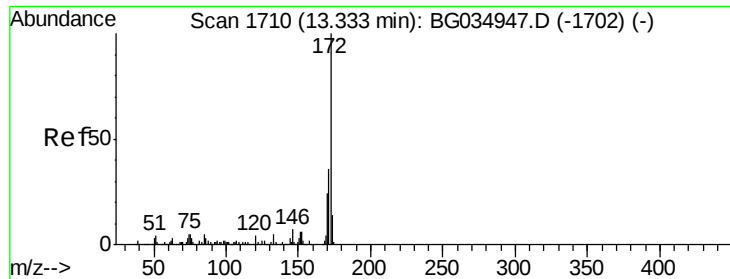
#41
2,4,6-Tribromophenol
Concen: 209.789 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Tgt Ion:330 Resp: 316249
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 35.5 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

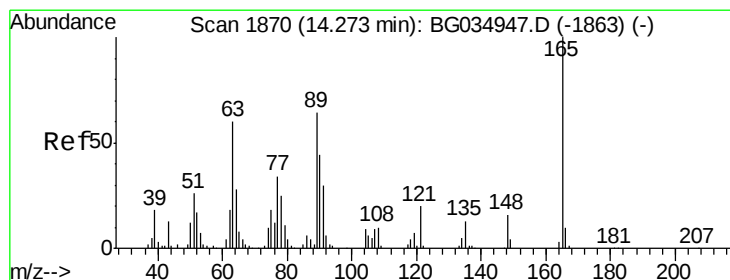
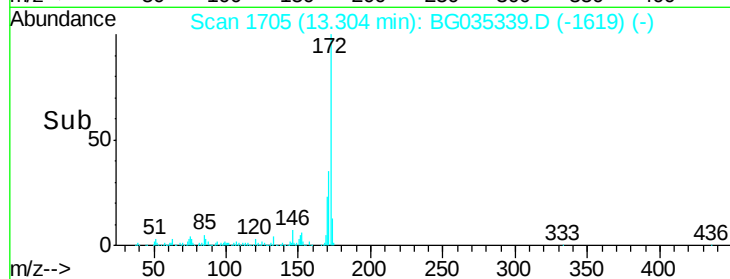
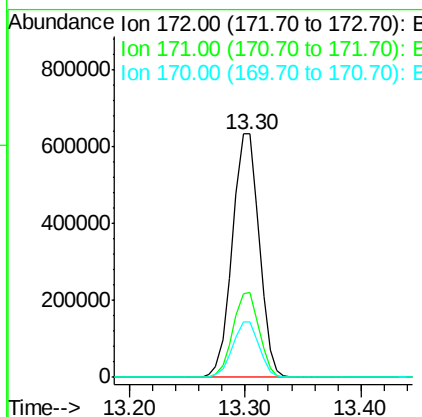
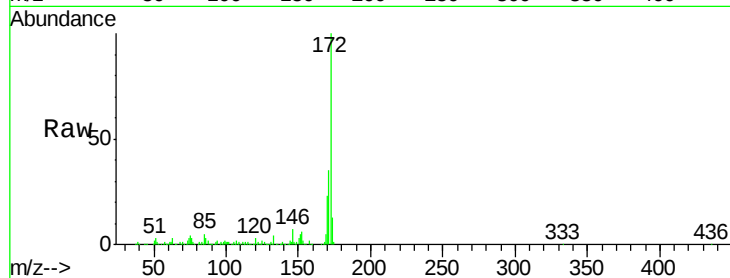




#44
 2-Fluorobiphenyl
 Concen: 112.593 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

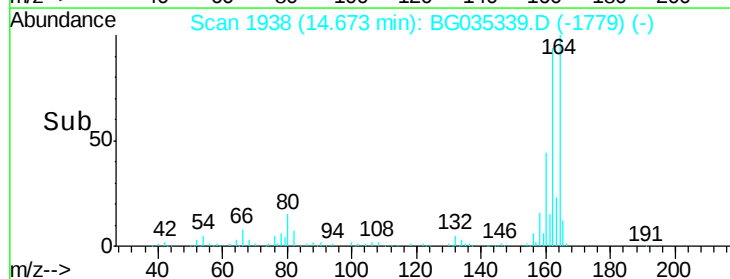
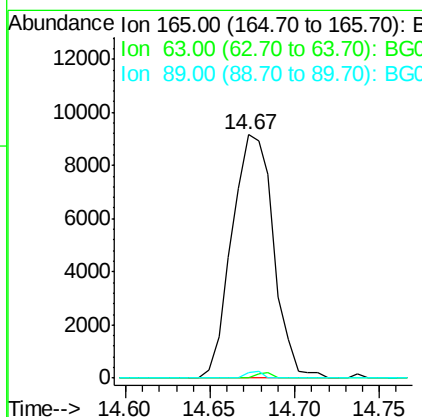
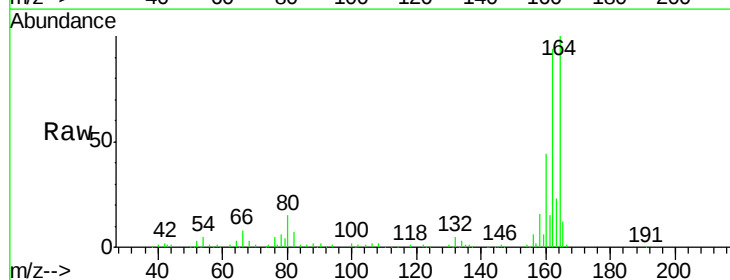
Instrument :
 BNA_G
 ClientSampleId :
 SP-D

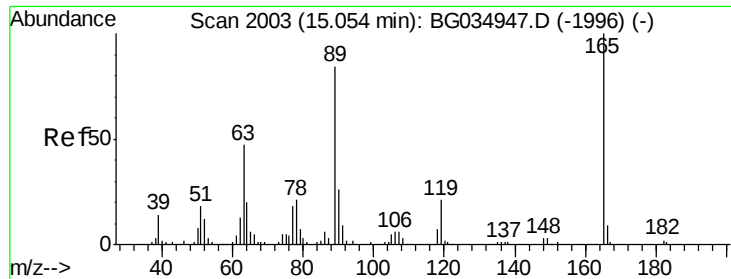
Tgt Ion:172 Resp: 1019916
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.373 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.40 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

Tgt Ion:165 Resp: 15686
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.2 49.2 73.8#

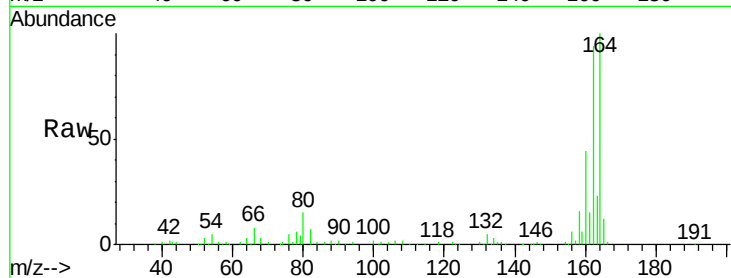




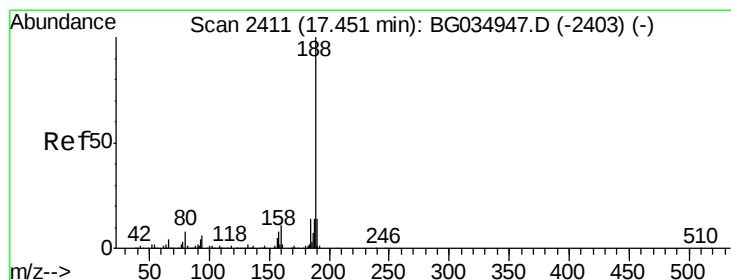
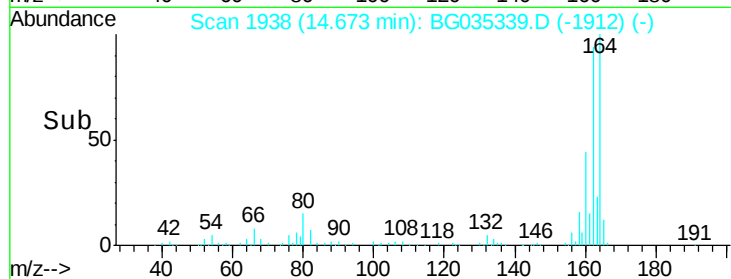
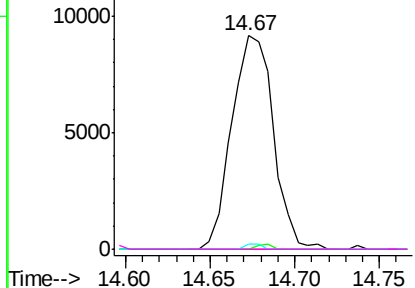
#56
 2,4-Dinitrotoluene
 Concen: 6.303 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

Instrument :
 BNA_G
 ClientSampleId :
 SP-D

Tgt Ion:165 Resp: 15686
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.2 66.9 100.3#
 182 0.0 2.6 3.8#

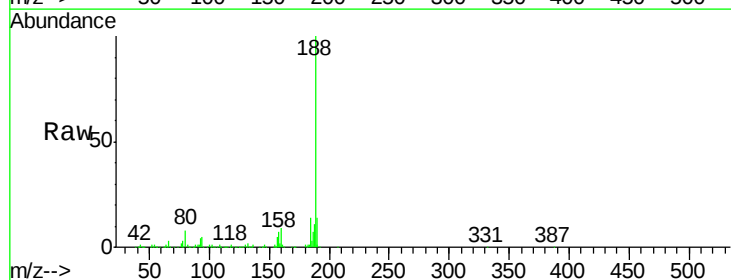


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

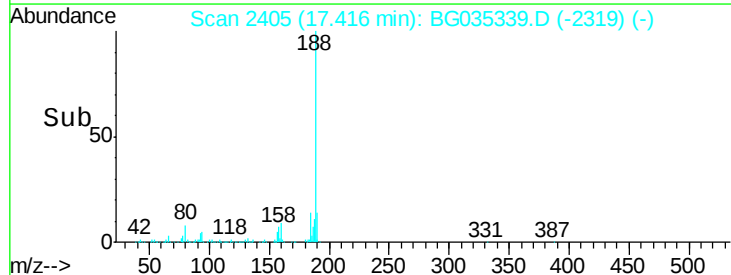
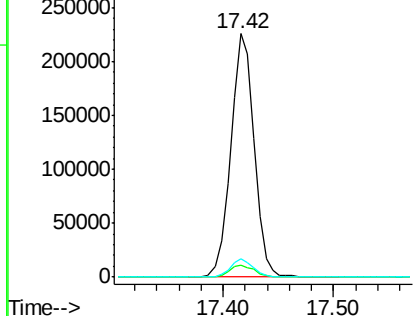


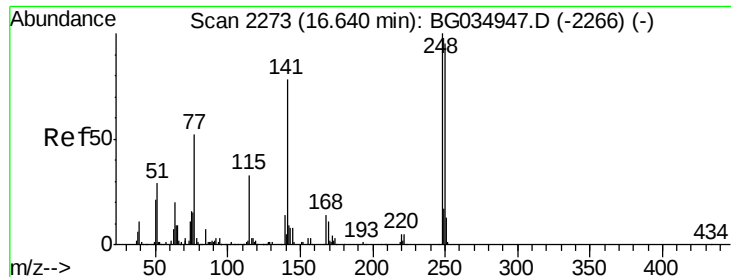
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035339.D
 Acq: 22 Jun 2018 18:44

Tgt Ion:188 Resp: 334543
 Ion Ratio Lower Upper
 188 100
 94 5.0 6.9 10.3#
 80 7.8 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

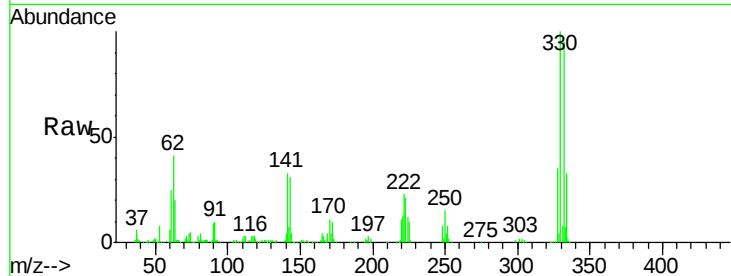




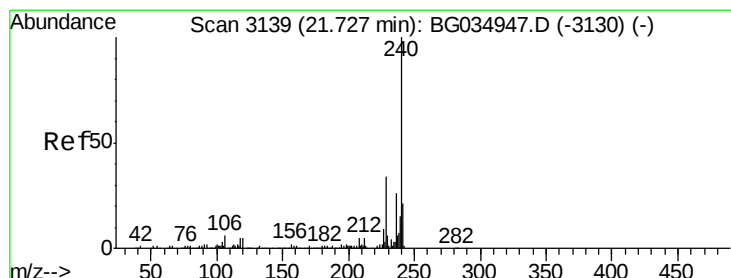
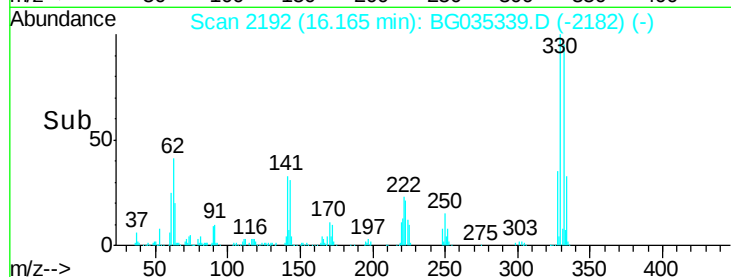
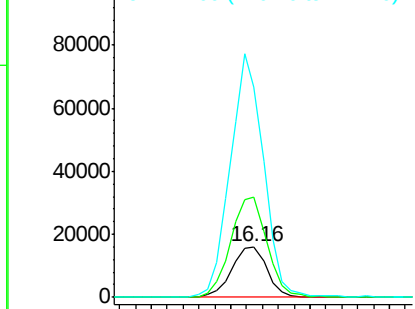
#66
4-Bromophenyl-phenylether
Concen: 6.158 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Instrument :
BNA_G
ClientSampled :
SP-D

Tgt Ion:248 Resp: 24808
Ion Ratio Lower Upper
248 100
250 195.7 77.1 115.7#
141 414.1 50.8 76.2#

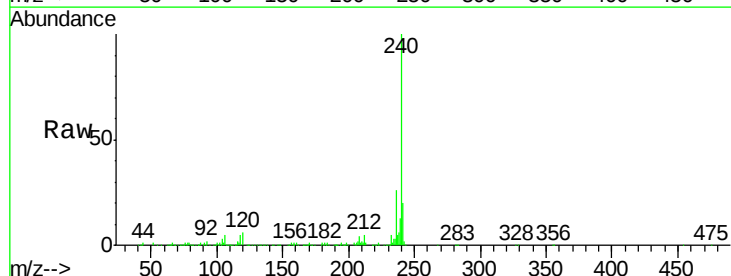


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

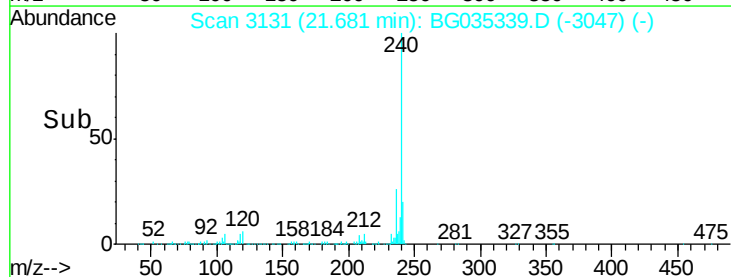
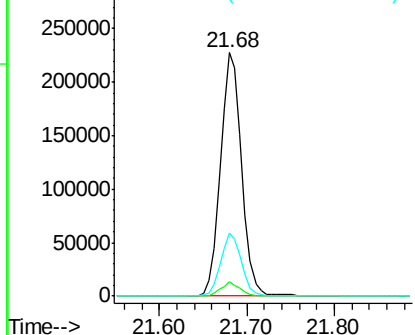


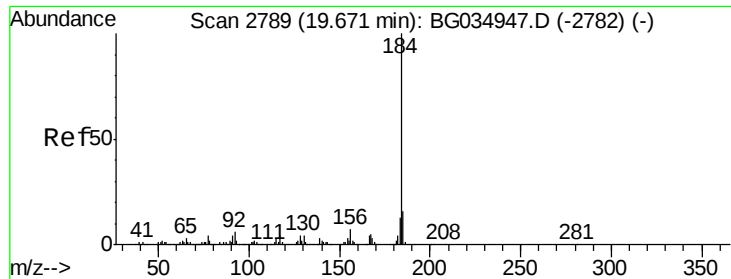
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Tgt Ion:240 Resp: 379566
Ion Ratio Lower Upper
240 100
120 5.8 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

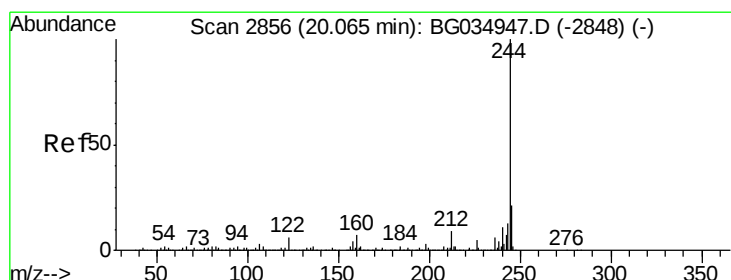
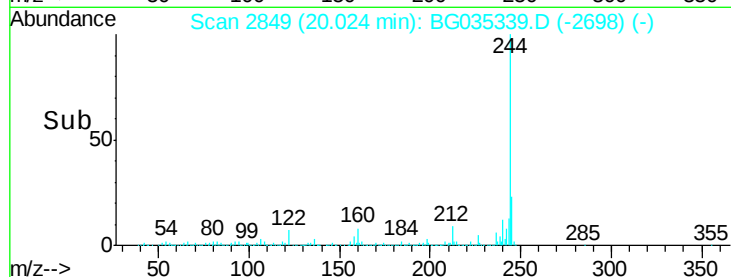
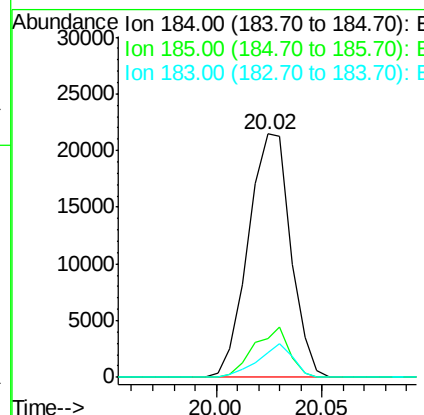
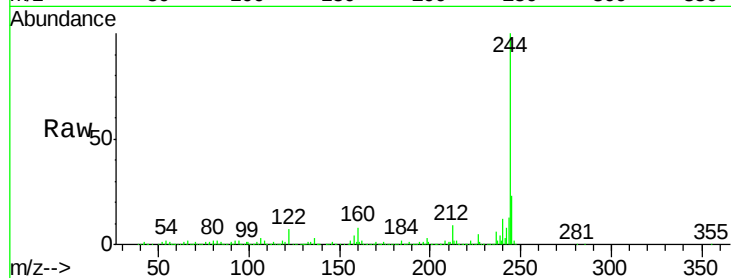




#76
Benzidine
Concen: 2.120 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

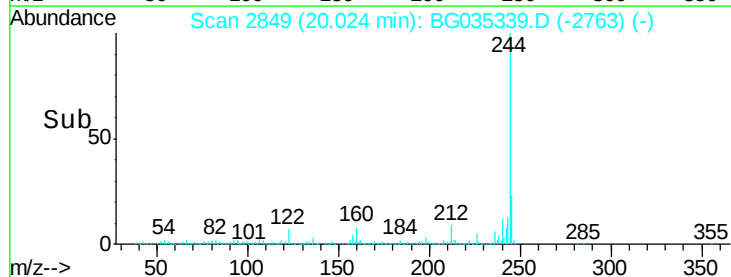
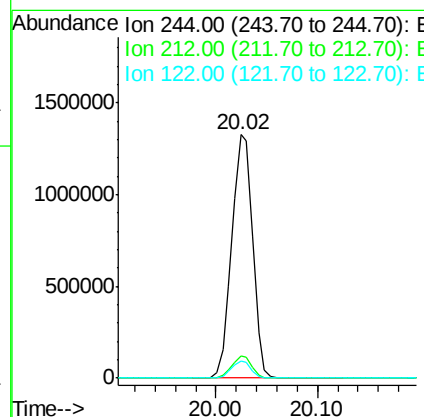
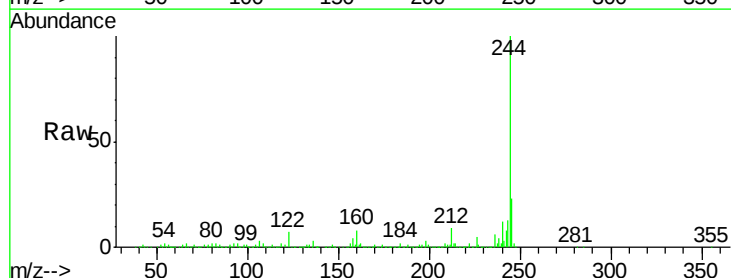
Instrument :
BNA_G
ClientSampleId :
SP-D

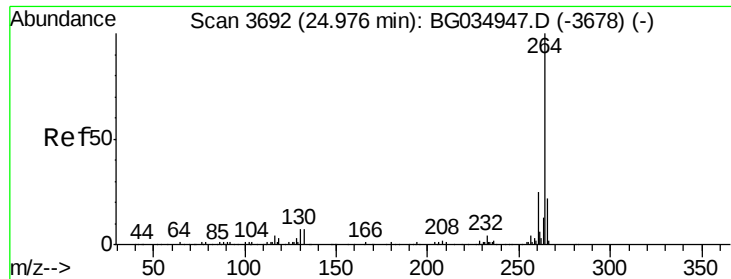
Tgt Ion:184 Resp: 29941
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 10.0 10.6 16.0#



#78
Terphenyl-d14
Concen: 104.408 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Tgt Ion:244 Resp: 1891926
Ion Ratio Lower Upper
244 100
212 9.3 5.8 8.8#
122 7.1 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035339.D
Acq: 22 Jun 2018 18:44

Instrument :
BNA_G
ClientSampleId :
SP-D

Tgt Ion:264 Resp: 357167
Ion Ratio Lower Upper
264 100
260 21.9 17.4 26.0
265 20.9 17.7 26.5

