

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035996.D
 Acq On : 31 Jul 2018 5:18
 Operator : JU/SJ
 Sample : J4219-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 07:38:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 01:42:28 2018
 Response via : Initial Calibration

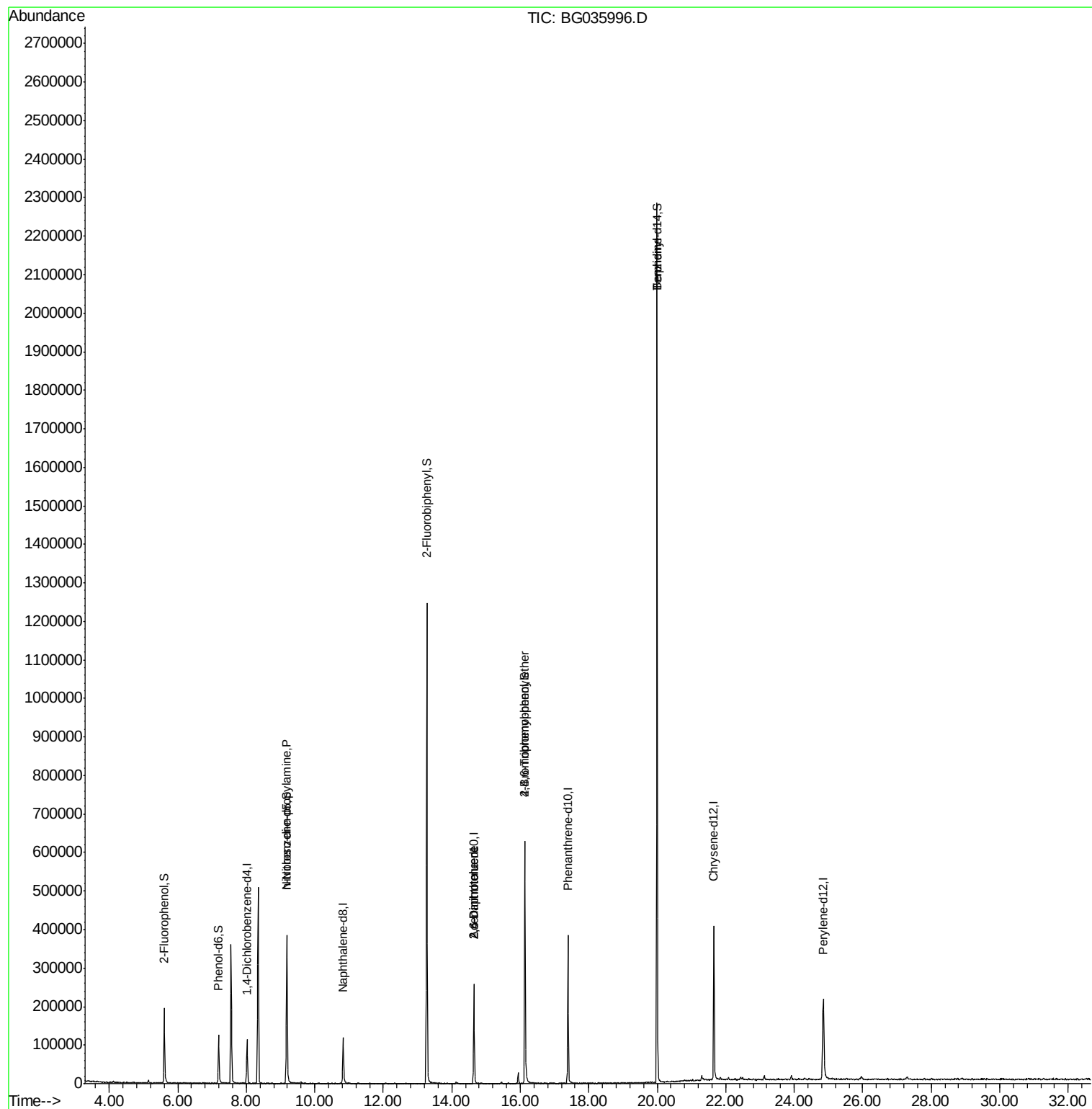
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	32951	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	120789	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	92651	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	263720	20.00	ng	0.00
75) Chrysene-d12	21.65	240	277772	20.00	ng	0.00
86) Perylene-d12	24.85	264	249585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	94129	47.43	ng	0.00
7) Phenol-d6	7.19	99	89400	30.19	ng	0.00
23) Nitrobenzene-d5	9.18	82	275699	95.35	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	124937	102.31	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	698230	100.96	ng	0.00
78) Terphenyl-d14	20.00	244	1141184	90.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	39159	15.704	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	12707	7.687	ng	# 25
56) 2,4-Dinitrotoluene	14.65	165	12707	5.358	ng	# 22
66) 4-Bromophenyl-phenylether	16.13	248	10037	3.280	ng	# 1
76) Benzidine	20.00	184	20100	2.752	ng	# 90

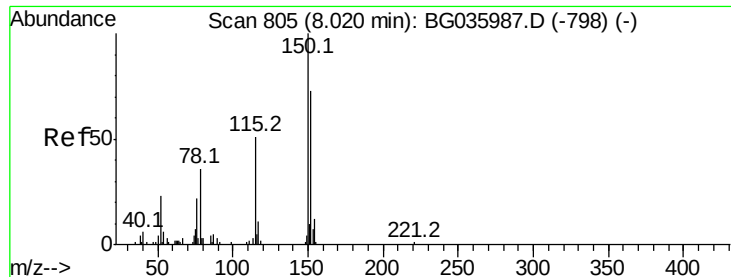
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

Quant Time: Jul 31 07:38:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 01:42:28 2018
Response via : Initial Calibration



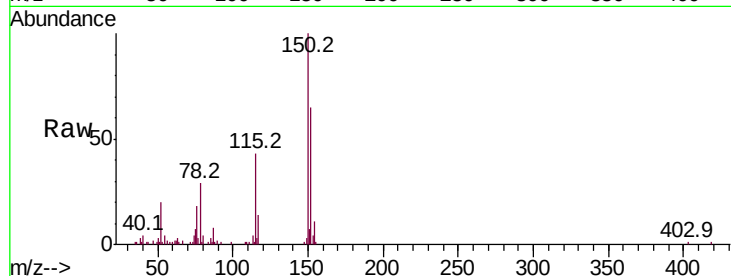


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.6	189.8
115	66.3	53.0	79.4

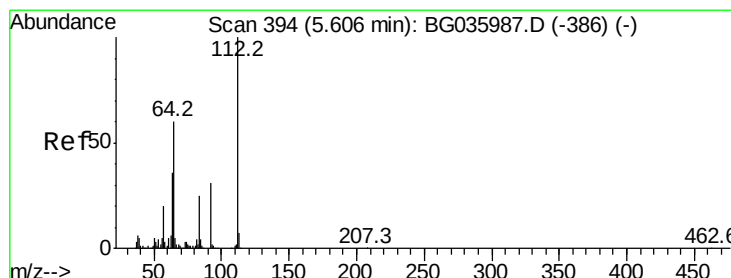
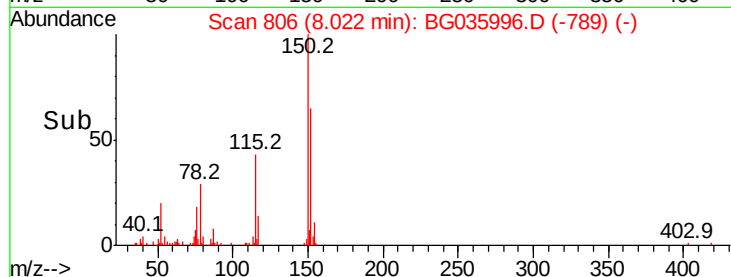
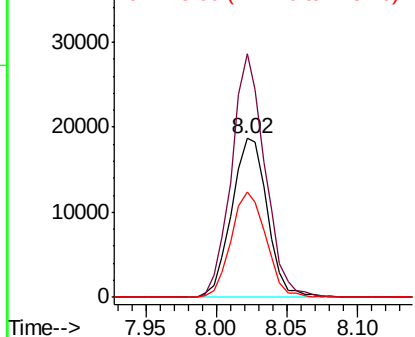


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

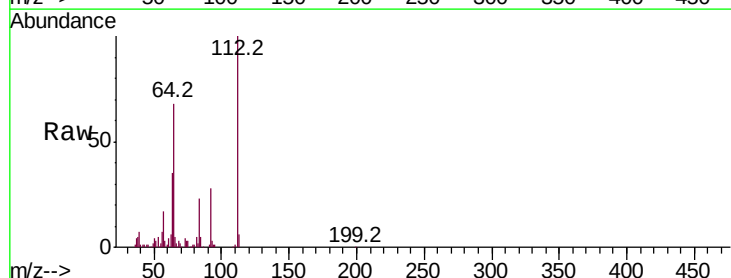
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.427 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.3	84.5
63	34.8	30.1	45.1

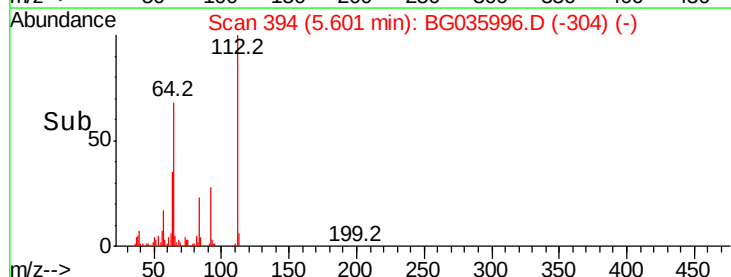
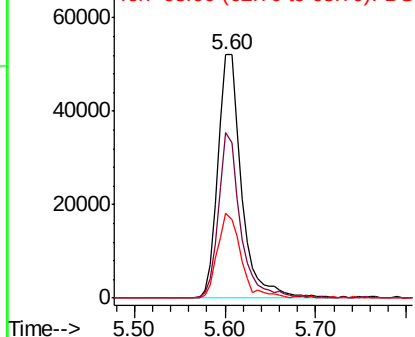


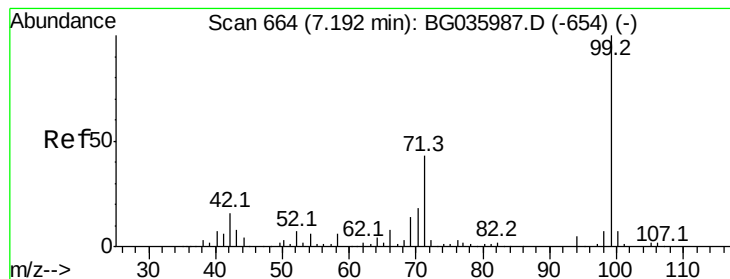
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 30.191 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035996.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_G

ClientSampled :

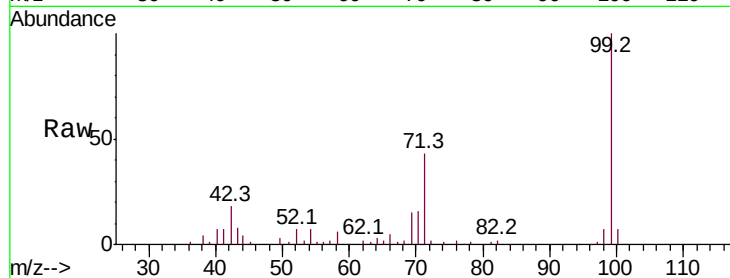
Tot Ion: 99 Resp: 89400

Ion Ratio Lower Upper

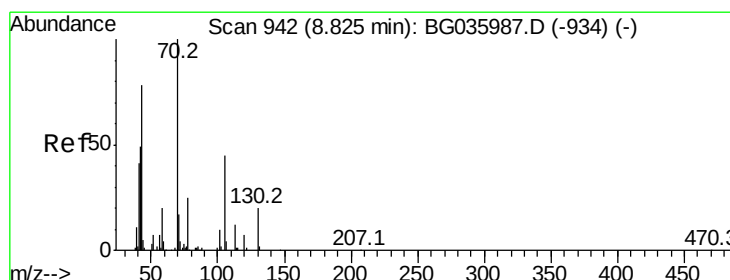
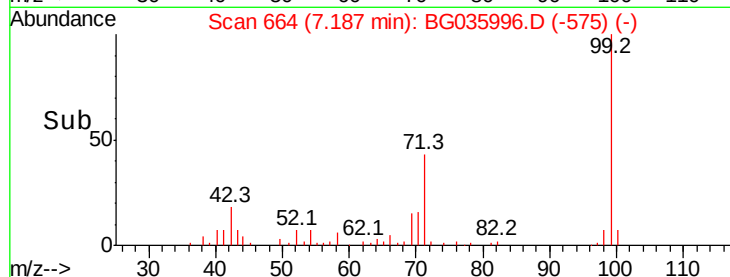
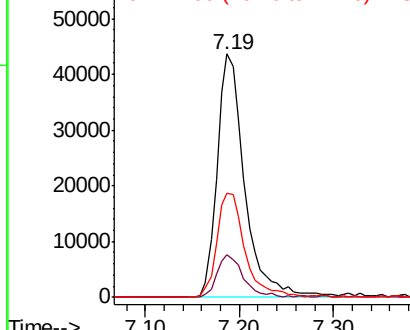
99 100

42 17.6 14.1 21.1

71 42.7 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: 15.704 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035996.D

Acq: 31 Jul 2018 5:18

Tgt Ion: 70 Resp: 39159

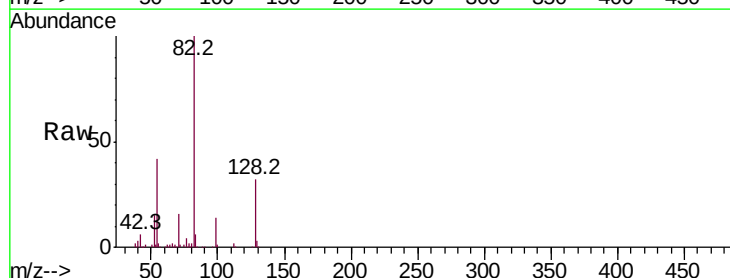
Ion Ratio Lower Upper

70 100

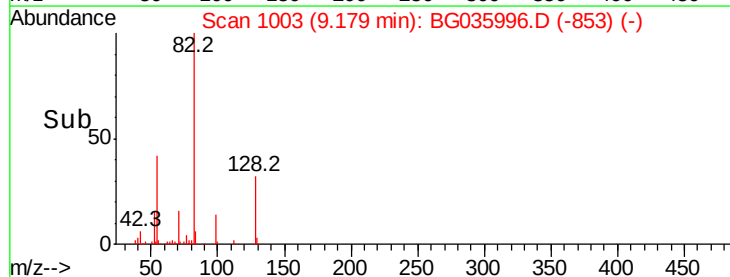
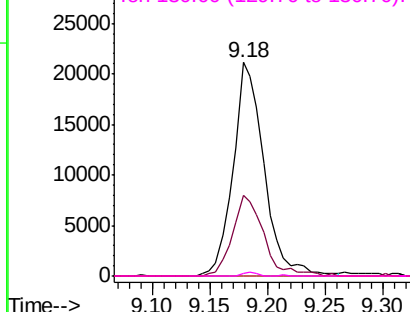
42 37.5 49.1 73.7#

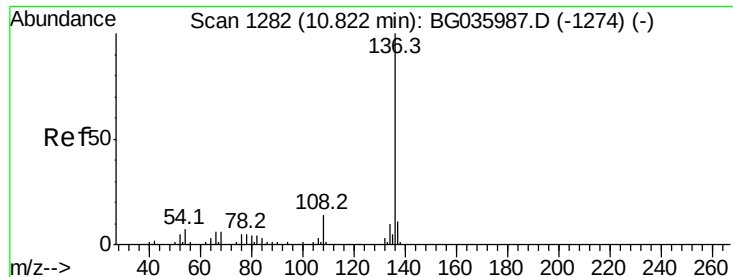
101 0.0 8.5 12.7#

130 1.1 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

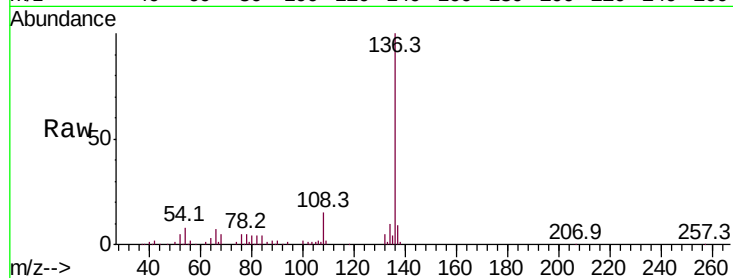




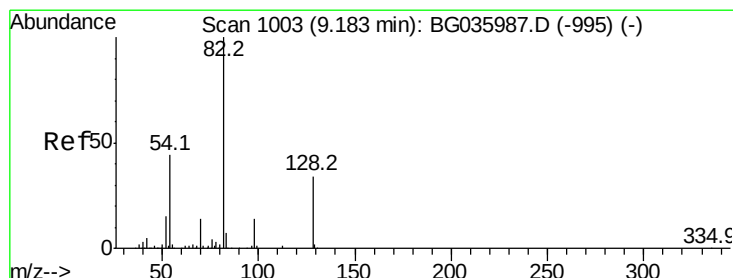
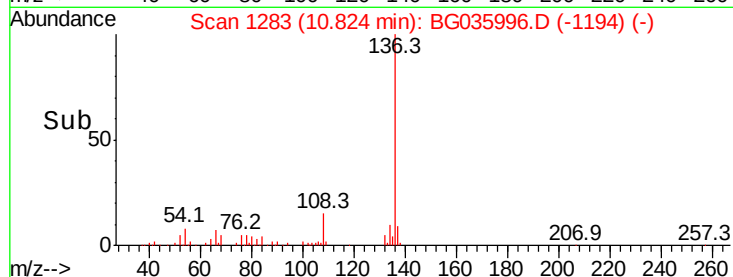
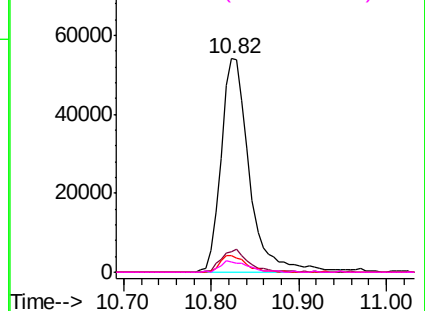
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	120789
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	7.8	10.3	15.5#
68	4.7	4.5	6.7

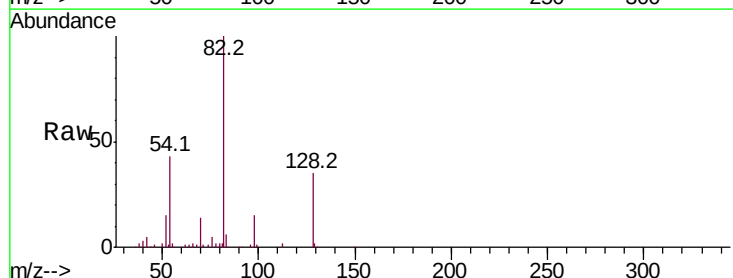


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

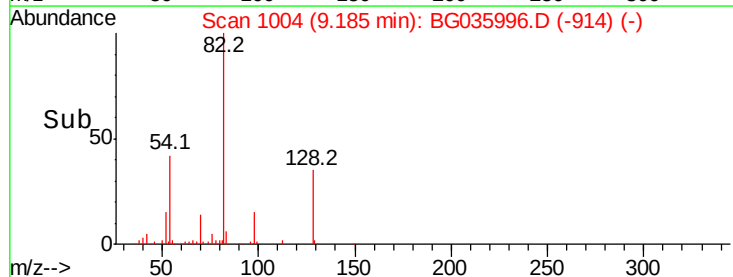
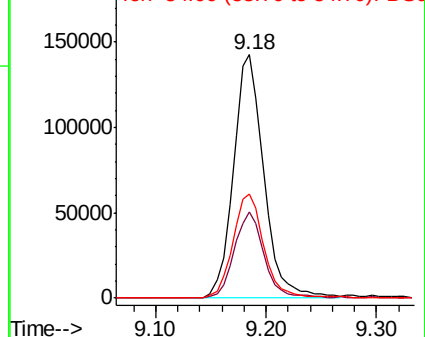


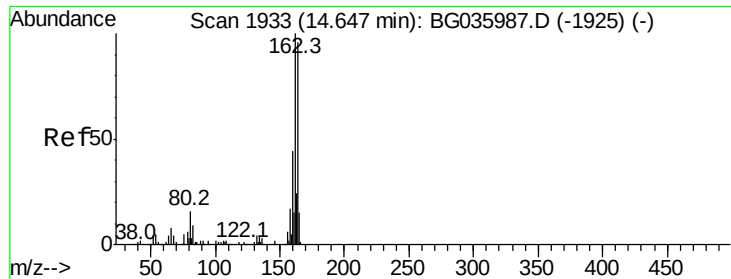
#23
Nitrobenzene-d5
Concen: 95.350 ng
RT: 9.18 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Tgt Ion:	82	Resp:	275699
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.7	44.5
54	42.6	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: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035996.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_G

ClientSampleId :

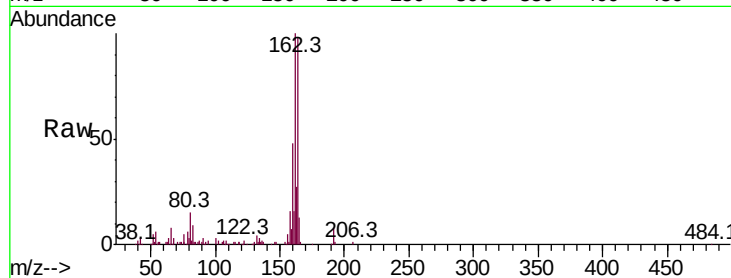
Tot Ion:164 Resp: 92651

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

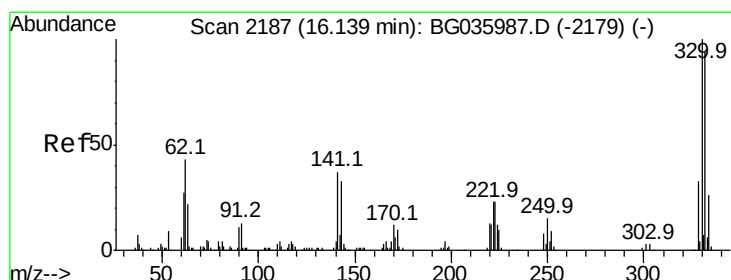
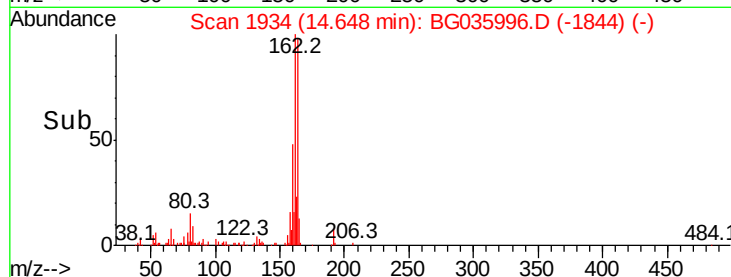
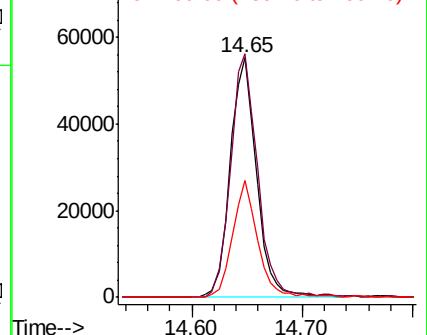
160 48.8 35.4 53.0



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: 102.307 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035996.D

Acq: 31 Jul 2018 5:18

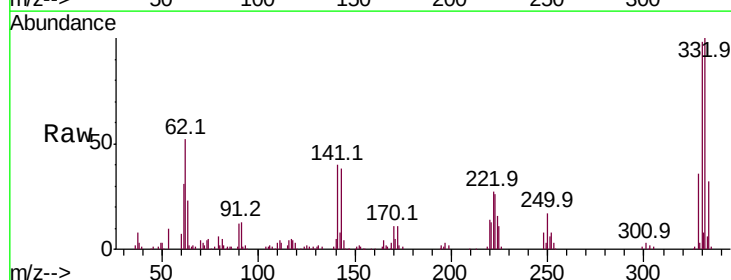
Tgt Ion:330 Resp: 124937

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

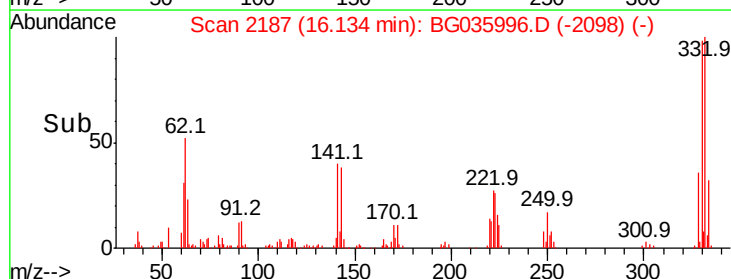
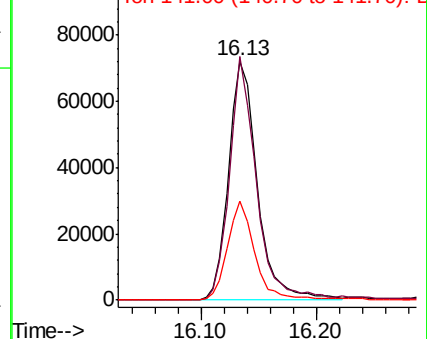
141 39.3 25.2 37.8#

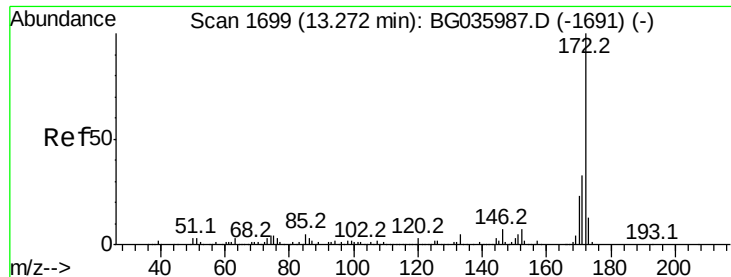


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

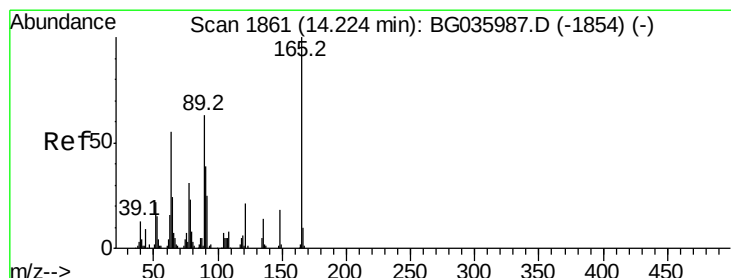
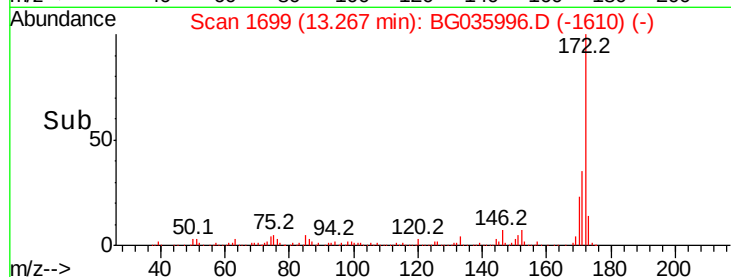
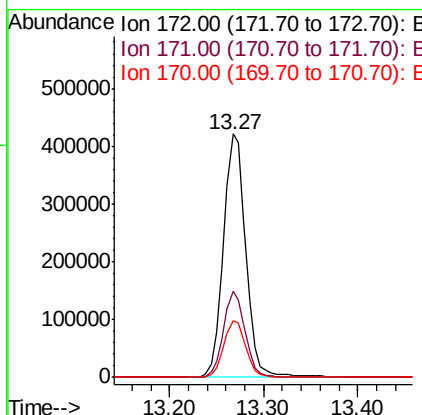
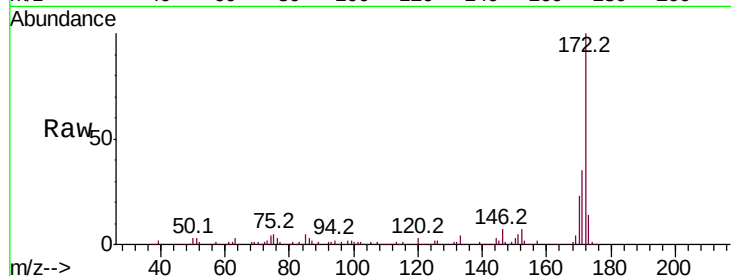




#44
 2-Fluorobiphenyl
 Concen: 100.965 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035996.D
 Acq: 31 Jul 2018 5:18

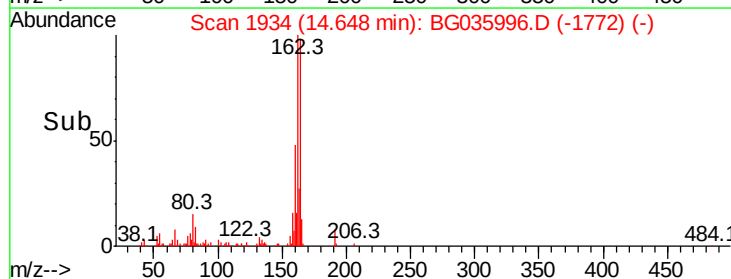
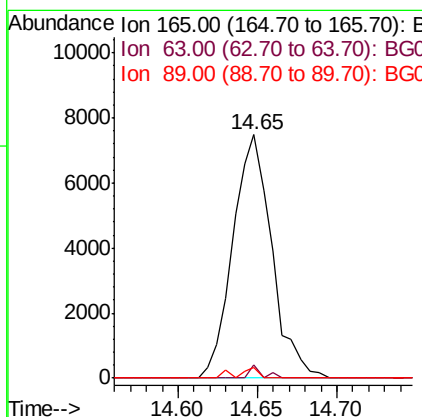
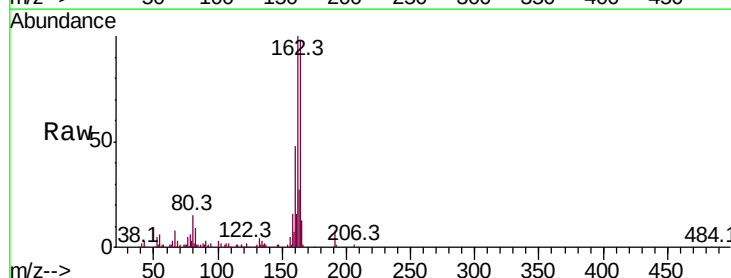
Instrument :
 BNA_G
 ClientSampled :

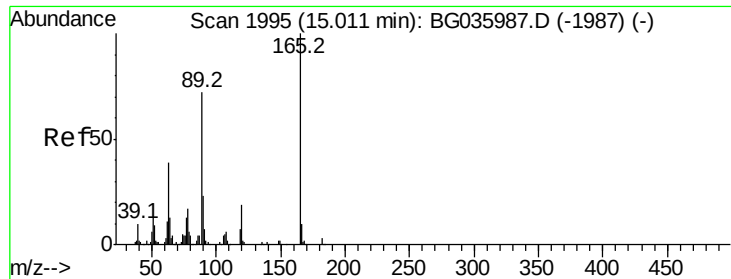
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	23.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.687 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035996.D
 Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.6	52.7	79.1#
89	4.1	49.2	73.8#

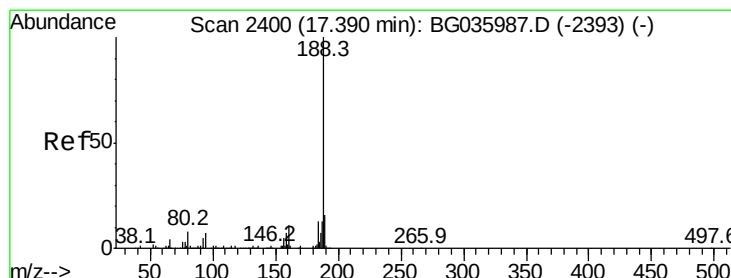
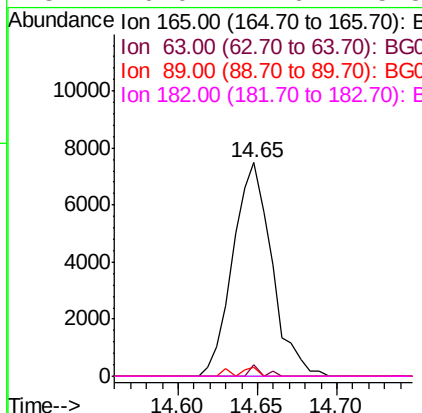
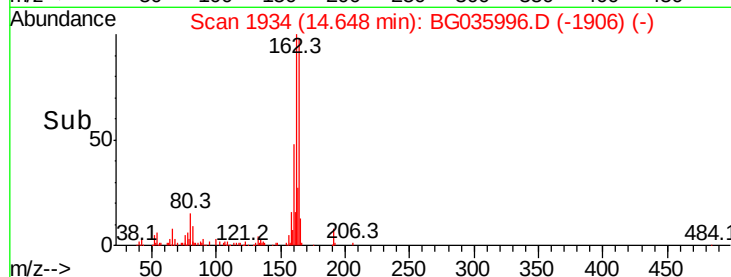
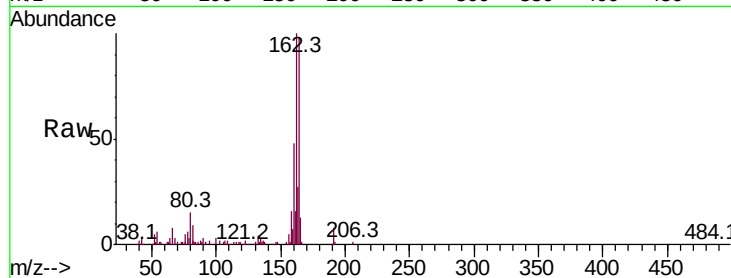




#56
2,4-Dinitrotoluene
Concen: 5.358 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

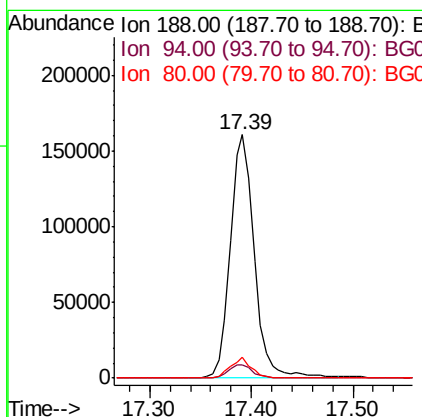
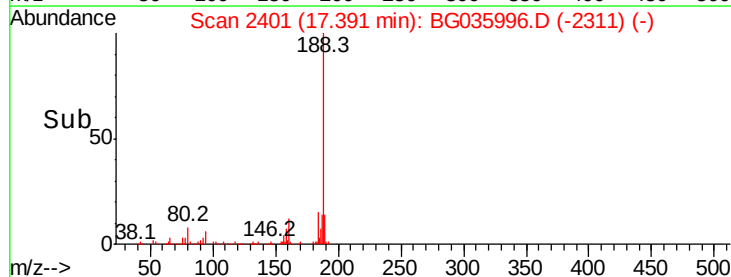
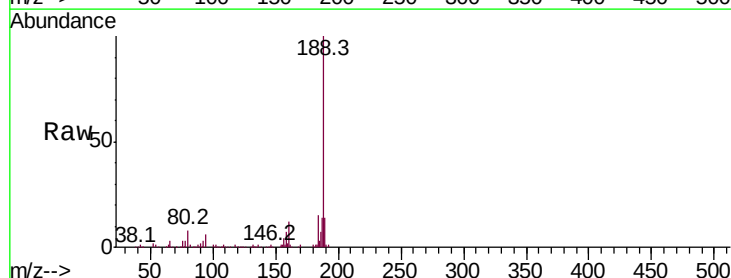
Instrument :
BNA_G
ClientSampleId :

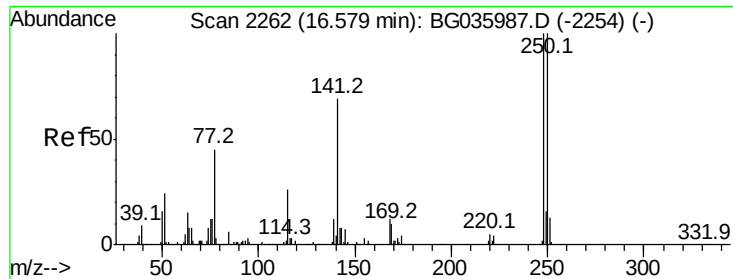
Tot Ion:165 Resp: 12707
Ion Ratio Lower Upper
165 100
63 5.6 42.0 63.0#
89 4.1 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Tgt Ion:188 Resp: 263720
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 8.4 7.7 11.5

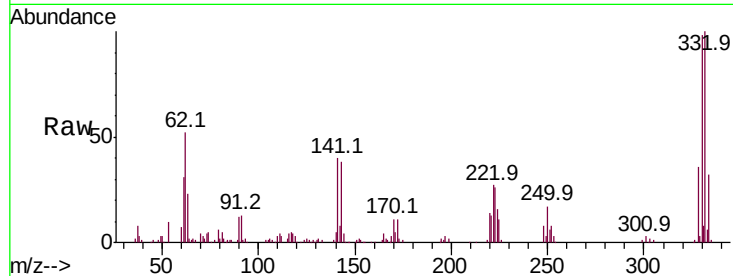




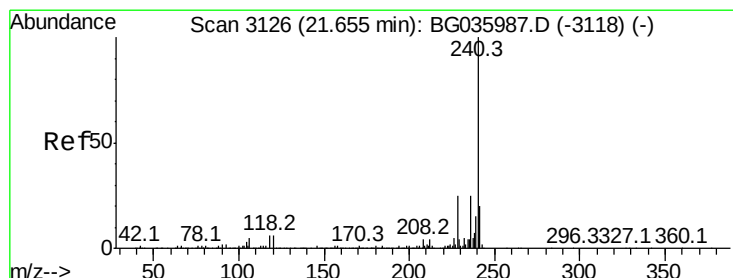
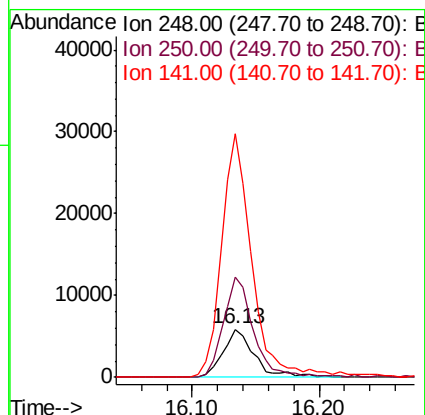
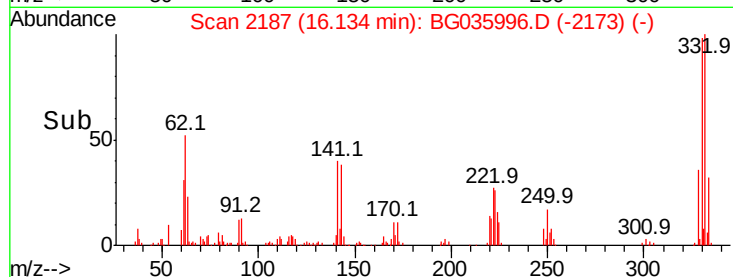
#66
4-Bromophenyl-phenylether
Concen: 3.280 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10037
Ion Ratio Lower Upper
248 100
250 209.3 77.1 115.7#
141 506.5 50.8 76.2#

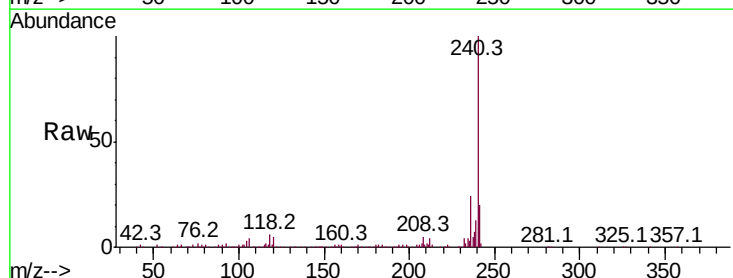


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

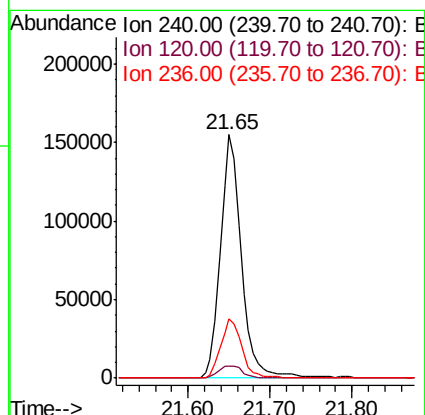
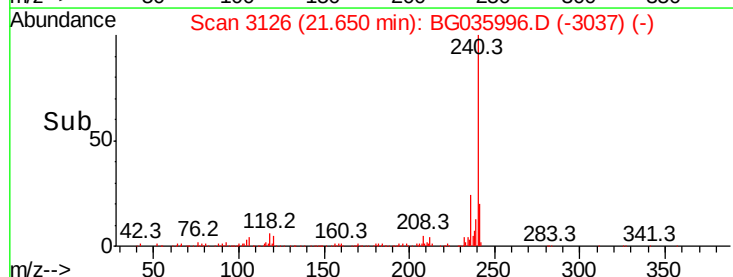


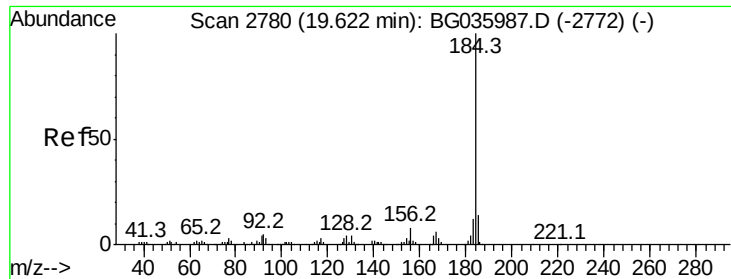
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Tgt Ion:240 Resp: 277772
Ion Ratio Lower Upper
240 100
120 4.9 6.8 10.2#
236 24.3 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

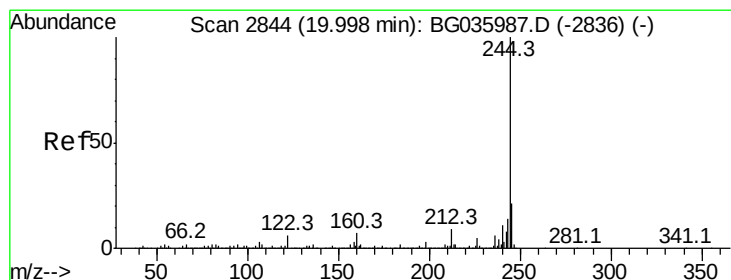
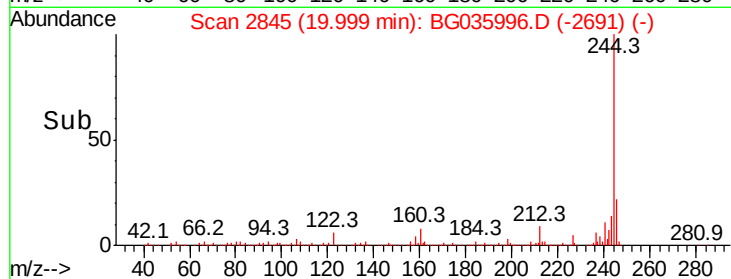
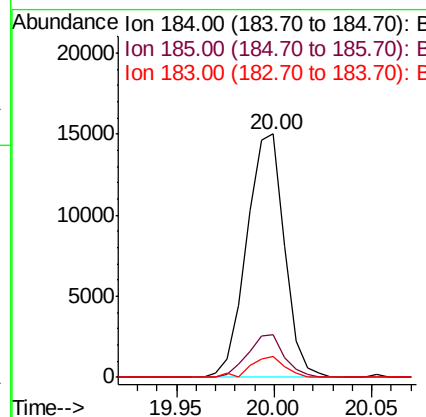
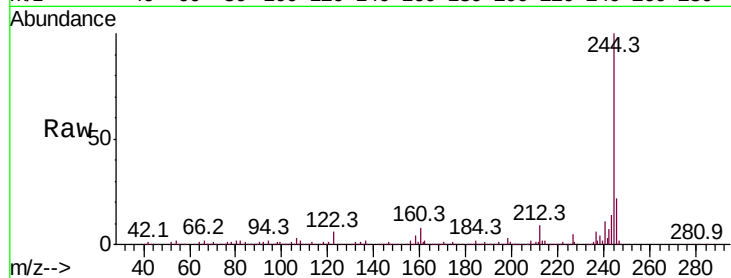




#76
Benzidine
Concen: 2.752 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.37 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

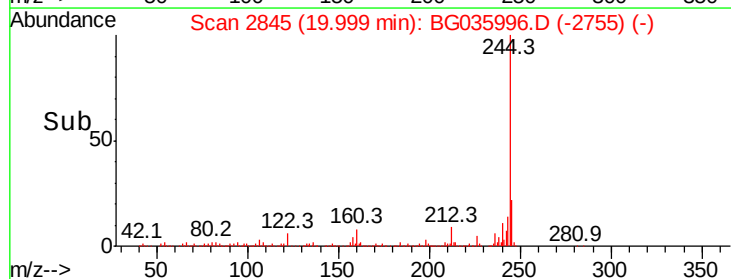
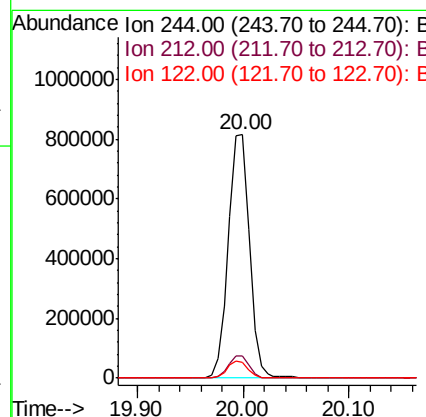
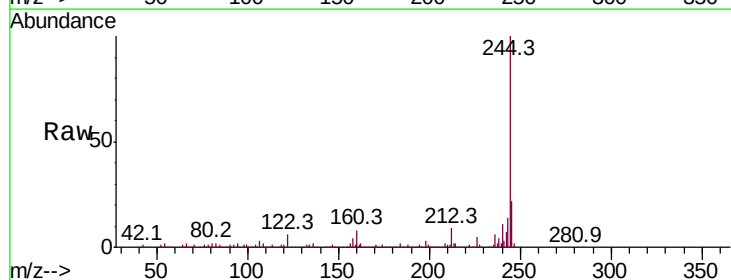
Instrument :
BNA_G
ClientSampleId :

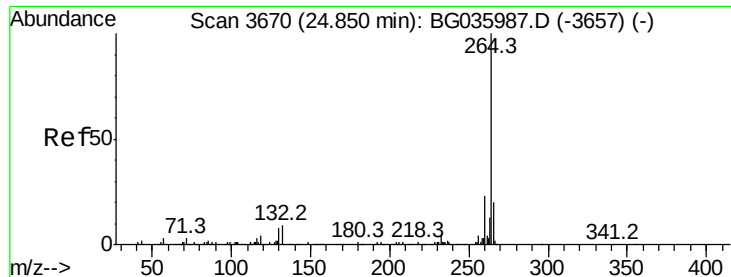
Tot Ion:184 Resp: 20100
Ion Ratio Lower Upper
184 100
185 17.4 11.1 16.7#
183 8.7 10.6 16.0#



#78
Terphenyl-d14
Concen: 90.560 ng
RT: 20.00 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Tgt Ion:244 Resp: 1141184
Ion Ratio Lower Upper
244 100
212 9.0 5.8 8.8#
122 6.3 7.0 10.4#

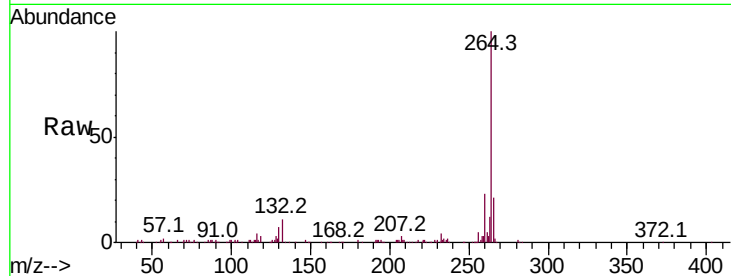




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG035996.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.2	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

