

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035199.D
 Acq On : 16 Jun 2018 9:15
 Operator : SJ/JU
 Sample : J3241-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:37 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

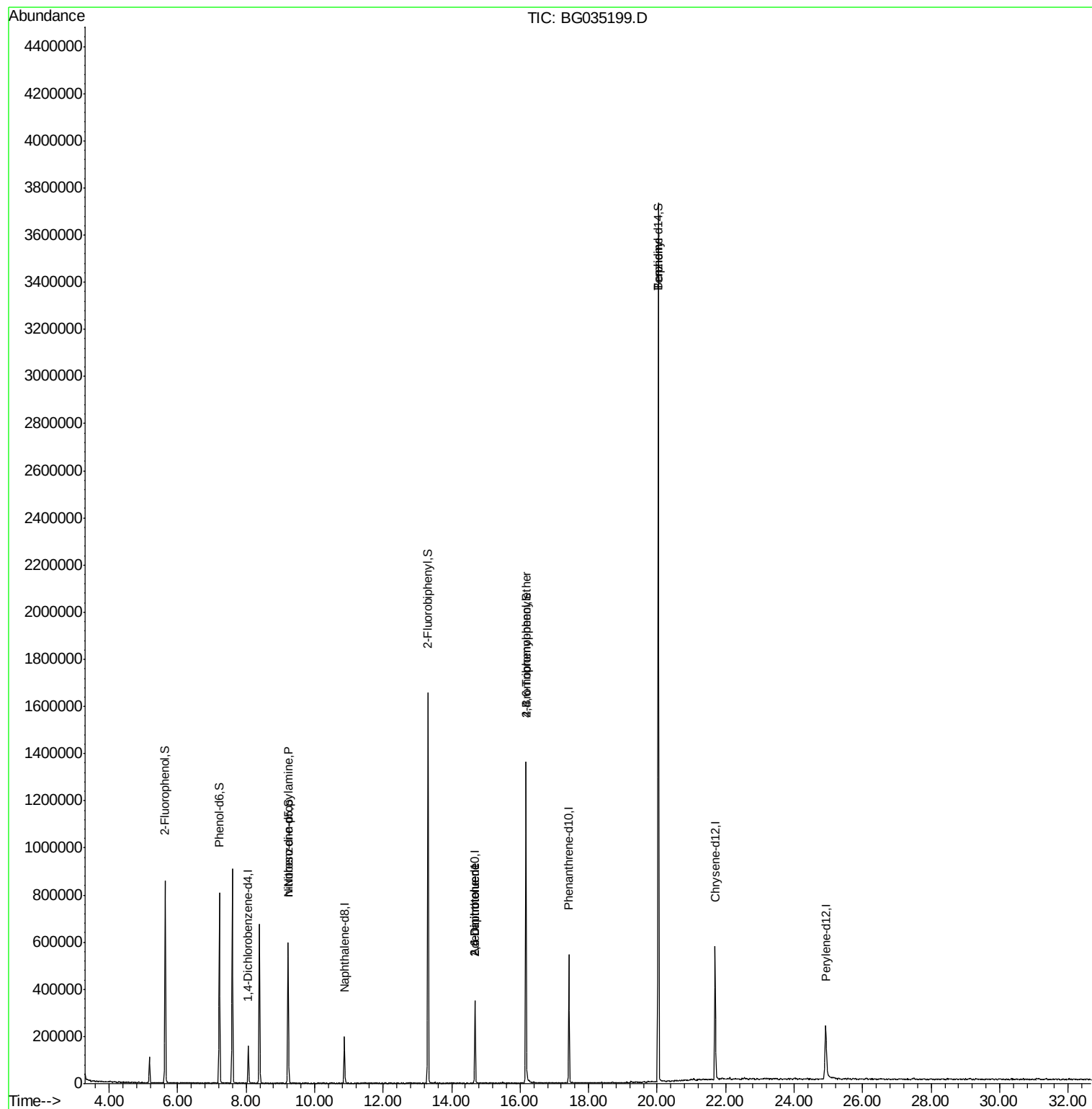
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44929	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	163109	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	120597	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	343622	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	373300	20.00	ng	-0.02
86) Perylene-d12	24.92	264	301768	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	365007	137.10	ng	-0.01
7) Phenol-d6	7.22	99	487317	124.02	ng	0.00
23) Nitrobenzene-d5	9.22	82	398865	116.24	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	251335	162.80	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	918687	99.03	ng	-0.02
78) Terphenyl-d14	20.03	244	1805415	101.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	55039	16.487	ng	# 71
50) 2,6-Dinitrotoluene	14.68	165	16632	8.669	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	16632	6.526	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	20725	5.008	ng	# 1
76) Benzidine	20.03	184	30609	2.204	ng	# 88

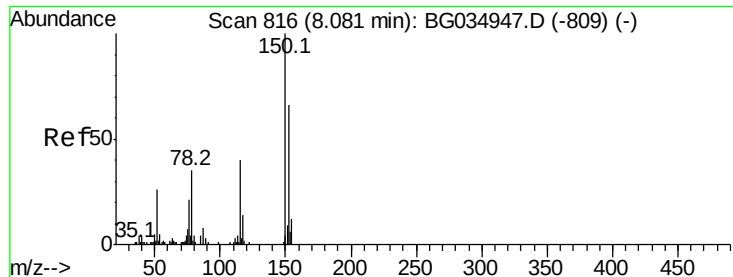
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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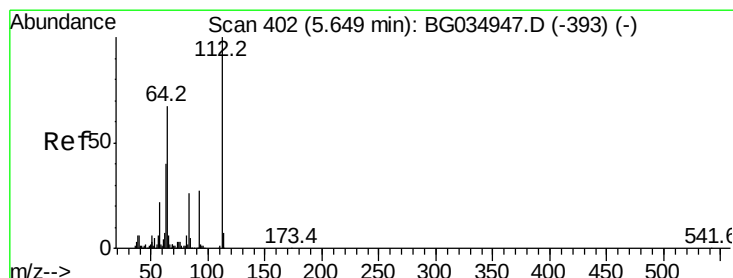
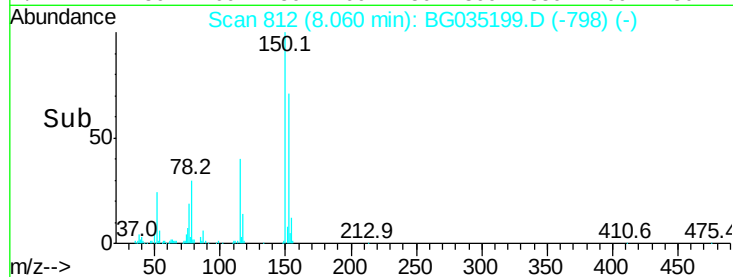
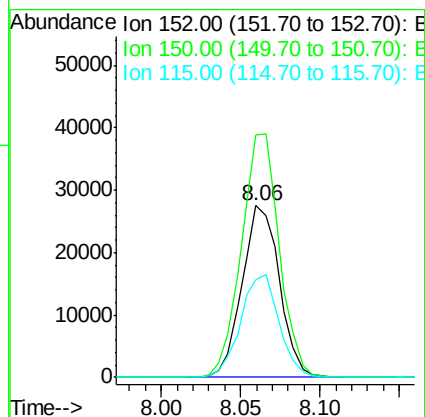
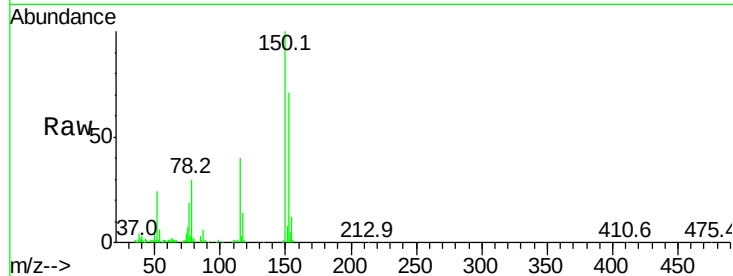


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Instrument :
BNA_G
ClientSampleId :

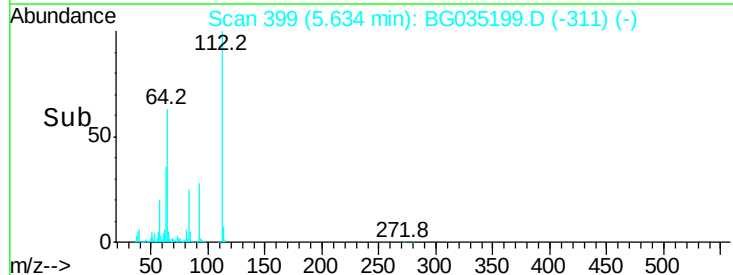
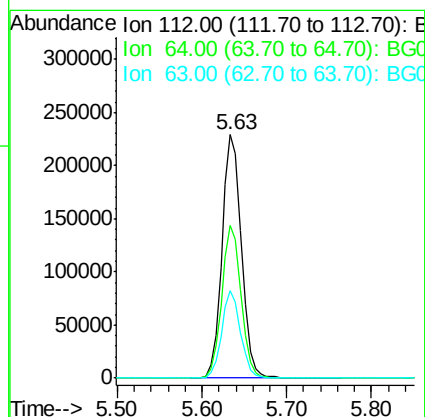
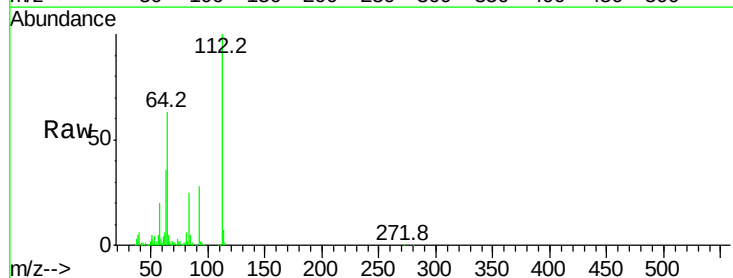
Tot Ion:152 Resp: 44929
Ion Ratio Lower Upper
152 100
150 140.9 126.6 189.8
115 57.1 53.0 79.4

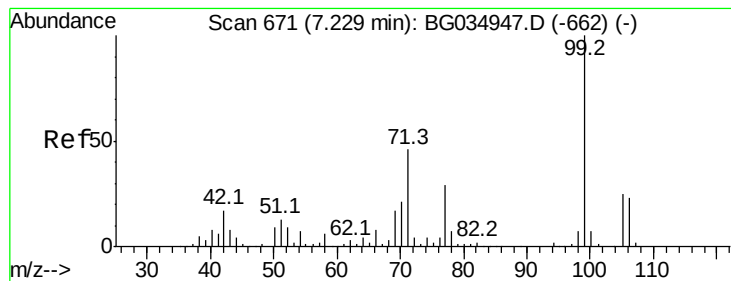


#5

2-Fluorophenol
Concen: 137.103 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Tgt Ion:112 Resp: 365007
Ion Ratio Lower Upper
112 100
64 62.6 56.3 84.5
63 36.2 30.1 45.1





#7

Phenol-d6

Concen: 124.019 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035199.D

Acq: 16 Jun 2018 9:15

Instrument :

BNA_G

ClientSampleId :

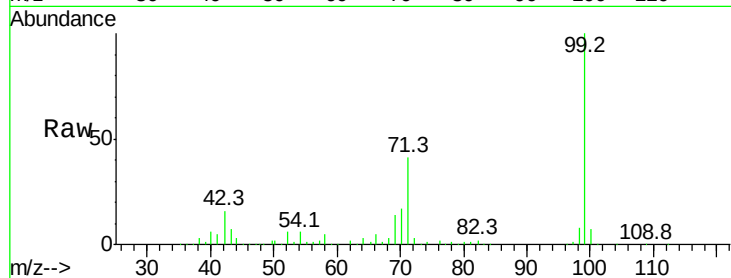
Tot Ion: 99 Resp: 487317

Ion Ratio Lower Upper

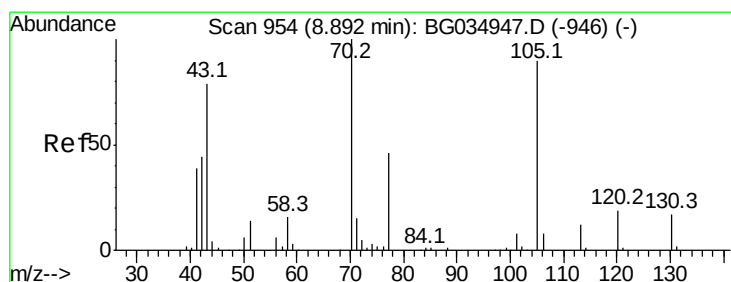
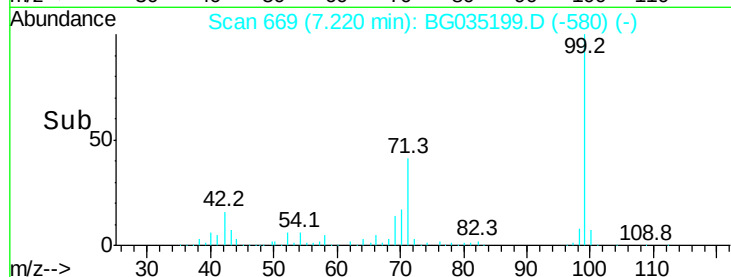
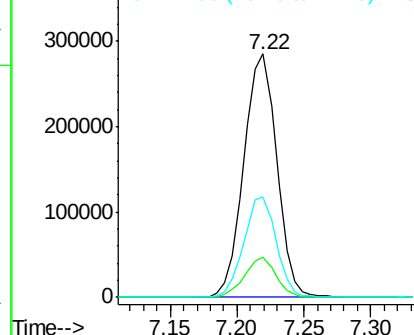
99 100

42 16.3 14.1 21.1

71 41.2 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: 16.487 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035199.D

Acq: 16 Jun 2018 9:15

Tgt Ion: 70 Resp: 55039

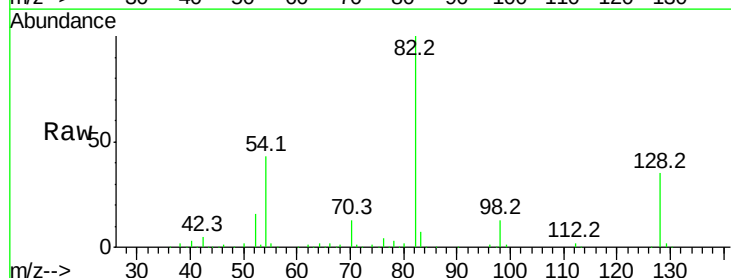
Ion Ratio Lower Upper

70 100

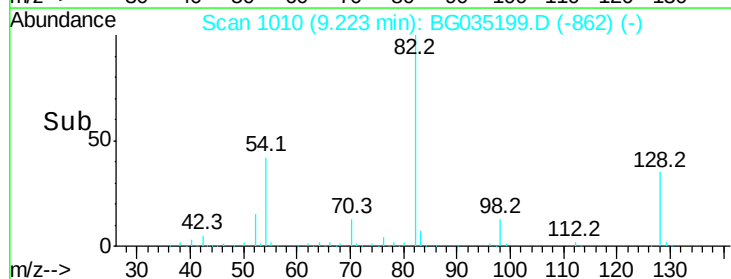
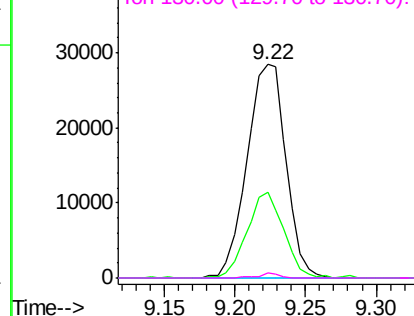
42 40.0 49.1 73.7#

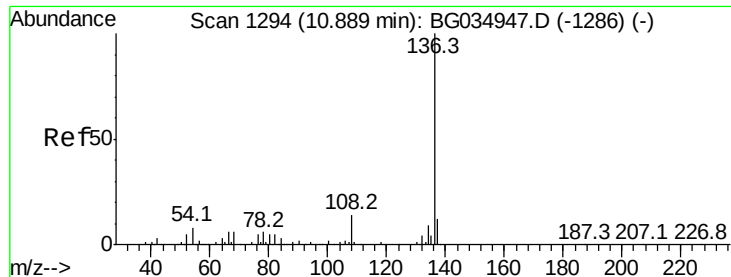
101 0.0 8.5 12.7#

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

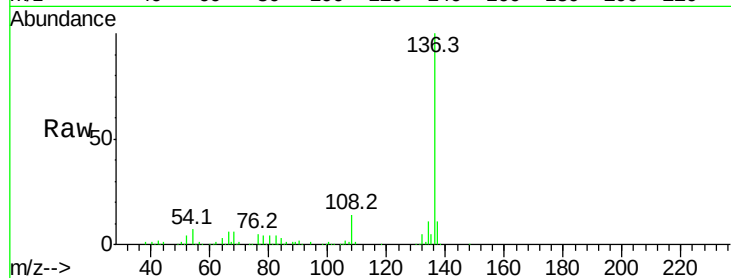




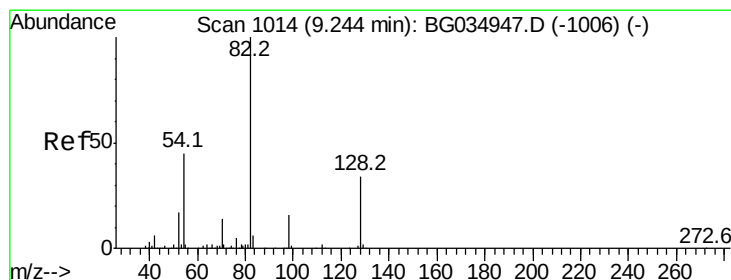
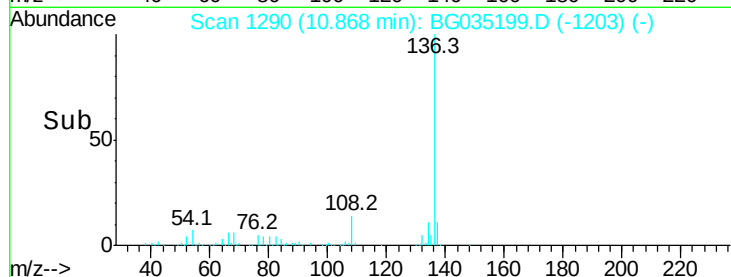
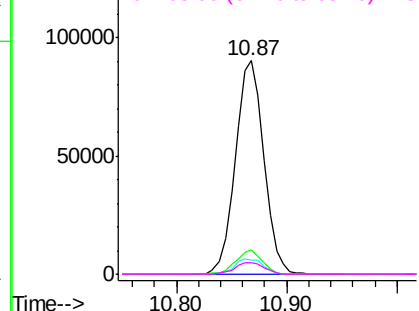
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	163109
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	6.7	10.3 15.5#
68	5.5	4.5 6.7

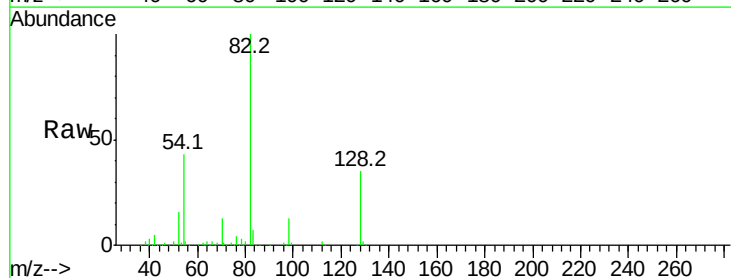


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

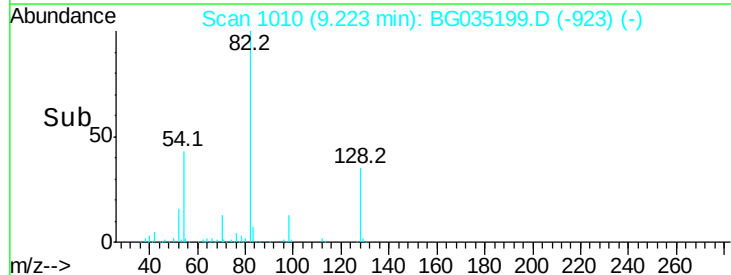
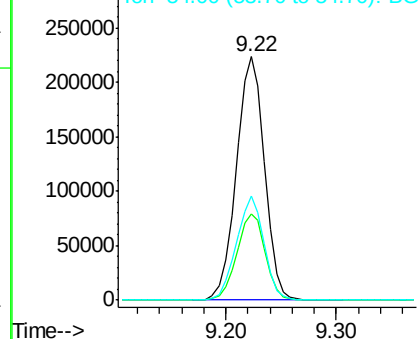


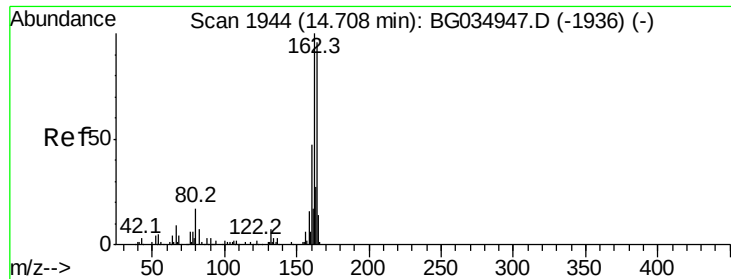
#23
Nitrobenzene-d5
Concen: 116.240 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Tgt Ion: 82	Resp:	398865
Ion Ratio	Lower	Upper
82	100	
128	35.5	29.7 44.5
54	42.5	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: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035199.D

Acq: 16 Jun 2018 9:15

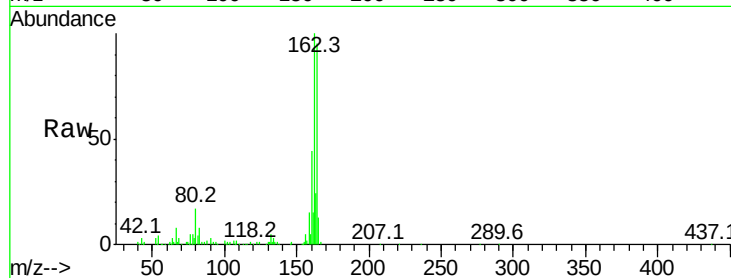
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 120597

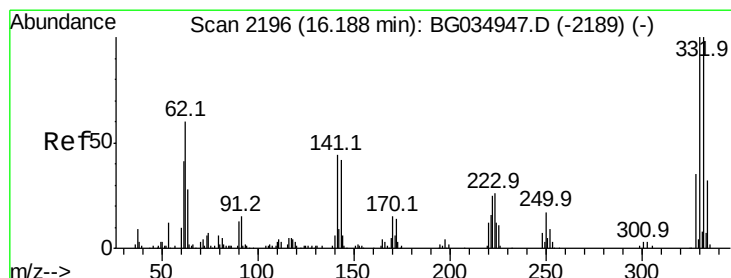
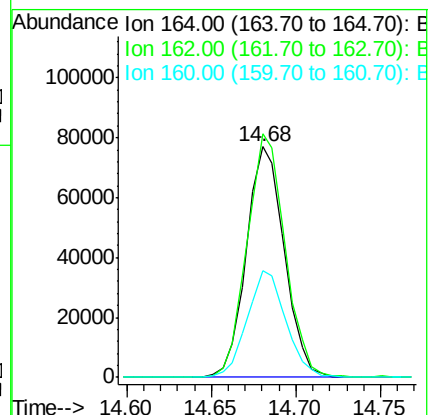
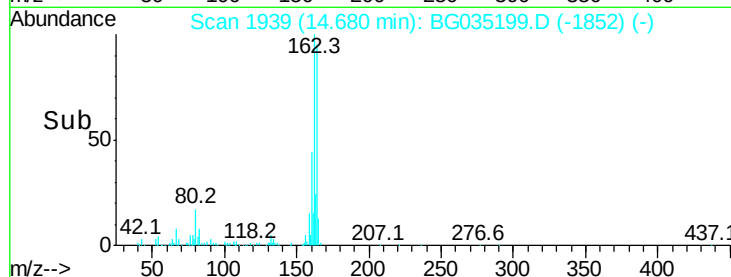
Ion	Ratio	Lower	Upper
164	100		
162	105.5	78.8	118.2
160	46.4	35.4	53.0



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: 162.803 ng

RT: 16.17 min Scan# 2193

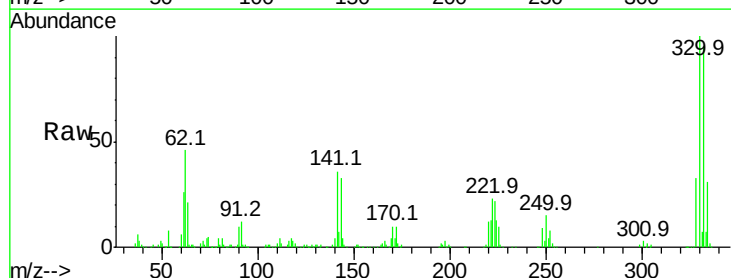
Delta R.T. -0.01 min

Lab File: BG035199.D

Acq: 16 Jun 2018 9:15

Tgt Ion:330 Resp: 251335

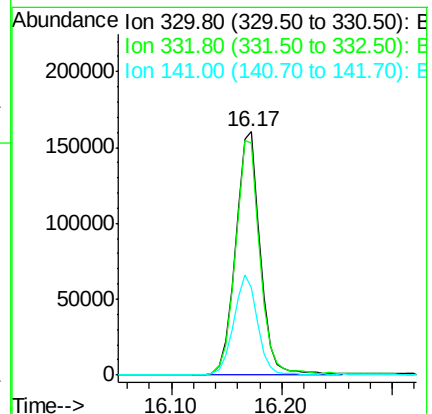
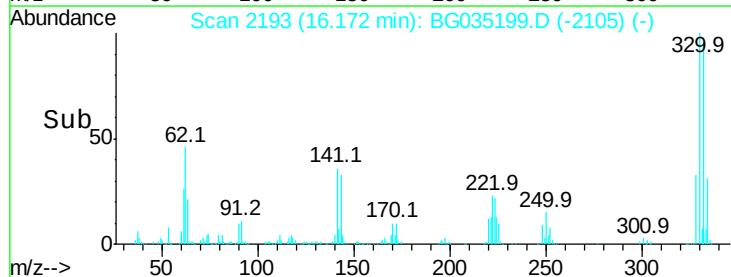
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	39.6	25.2	37.8

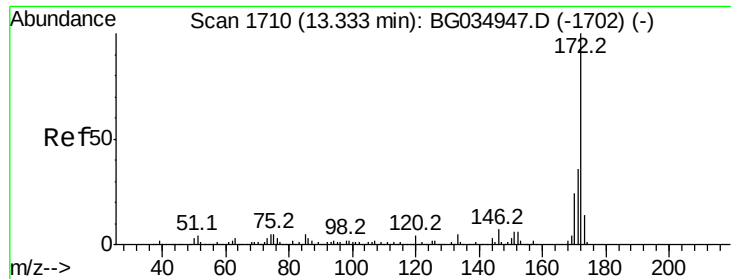


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

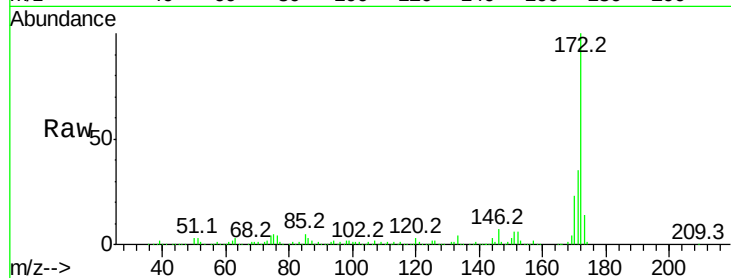




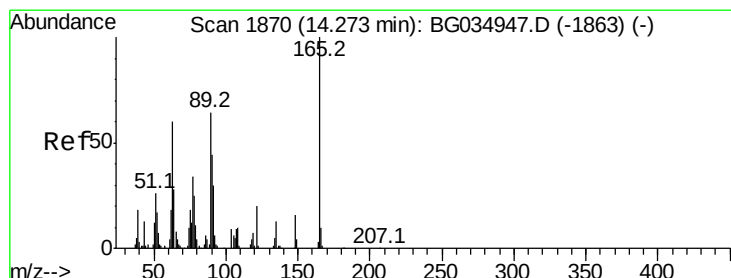
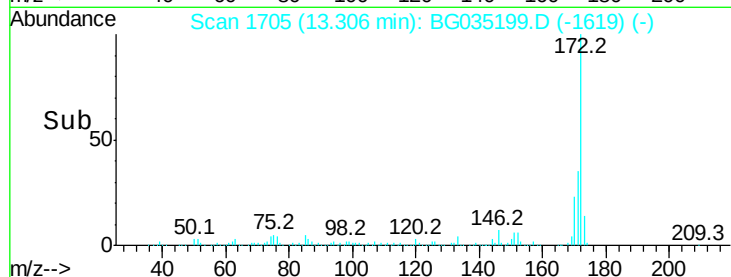
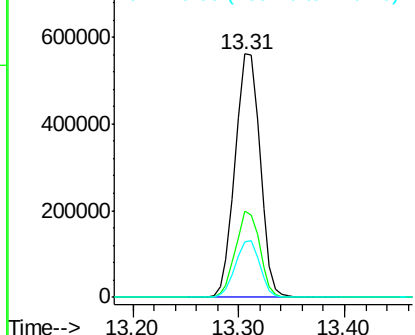
#44
2-Fluorobiphenyl
Concen: 99.031 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 918687
Ion Ratio Lower Upper
172 100
171 35.3 30.0 45.0
170 22.9 19.5 29.3

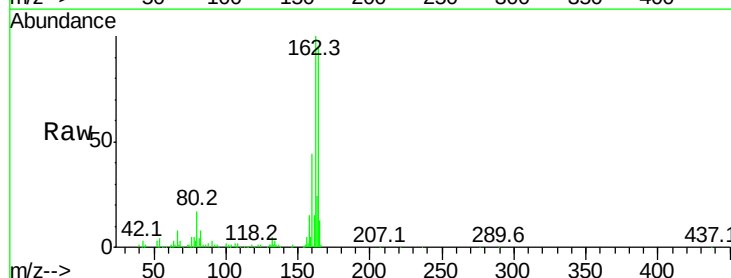


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

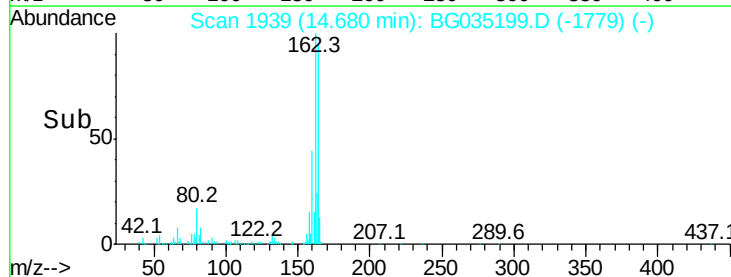
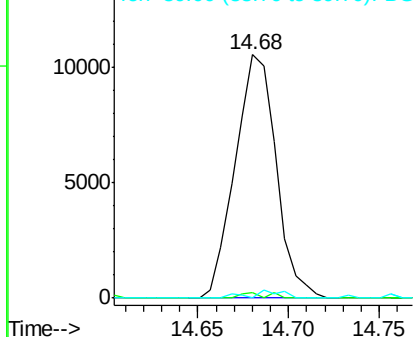


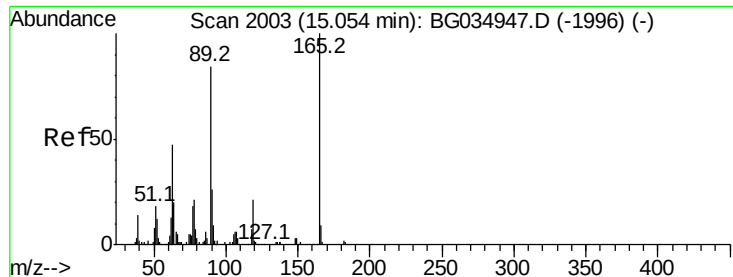
#50
2,6-Dinitrotoluene
Concen: 8.669 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Tgt Ion:165 Resp: 16632
Ion Ratio Lower Upper
165 100
63 2.5 52.7 79.1#
89 0.0 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

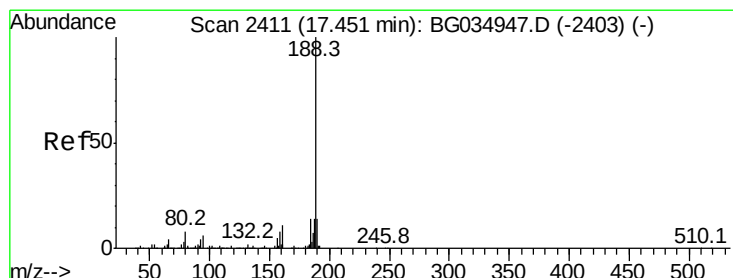
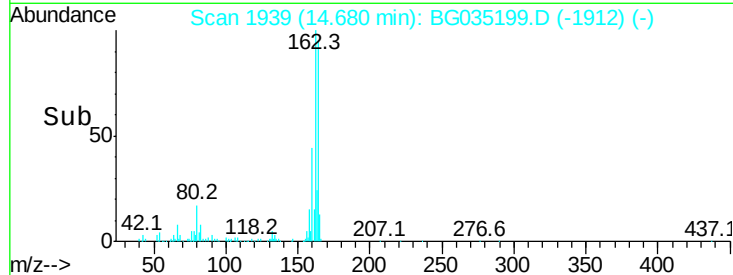
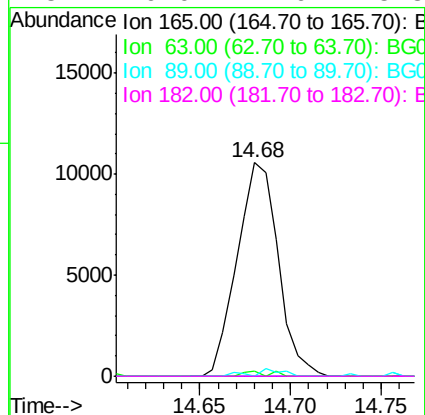
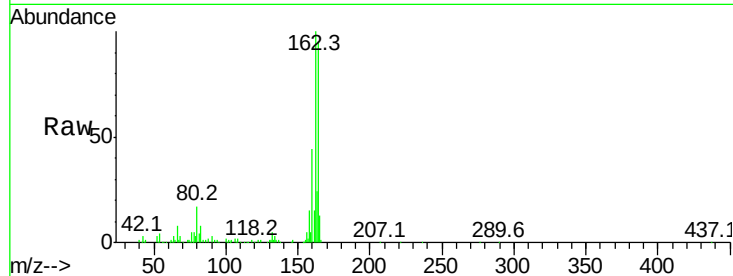




#56
 2,4-Dinitrotoluene
 Concen: 6.526 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035199.D
 Acq: 16 Jun 2018 9:15

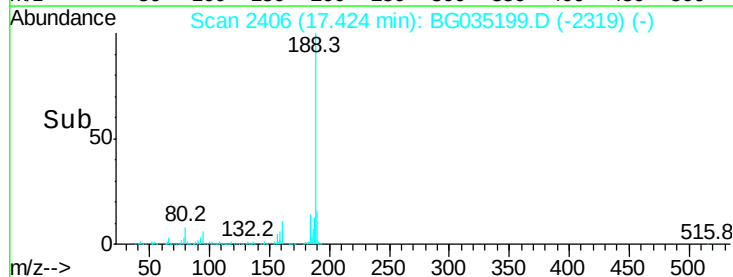
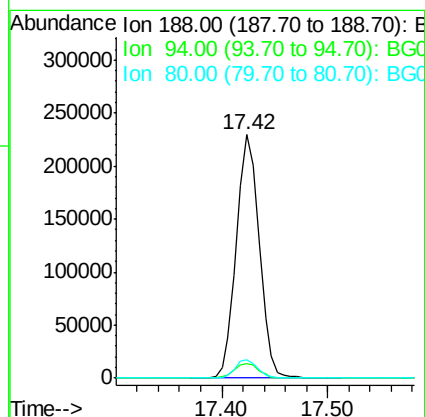
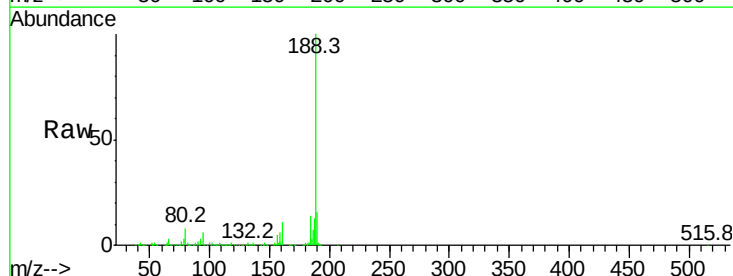
Instrument :
 BNA_G
 ClientSampleId :

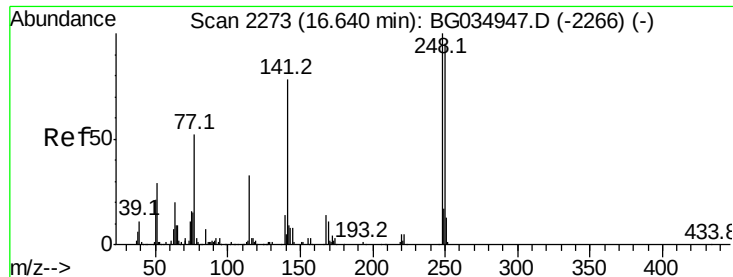
Tot Ion:165 Resp: 16632
 Ion Ratio Lower Upper
 165 100
 63 2.5 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035199.D
 Acq: 16 Jun 2018 9:15

Tgt Ion:188 Resp: 343622
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 7.7 7.7 11.5#

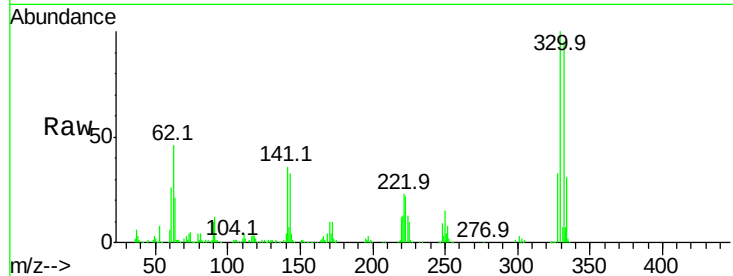




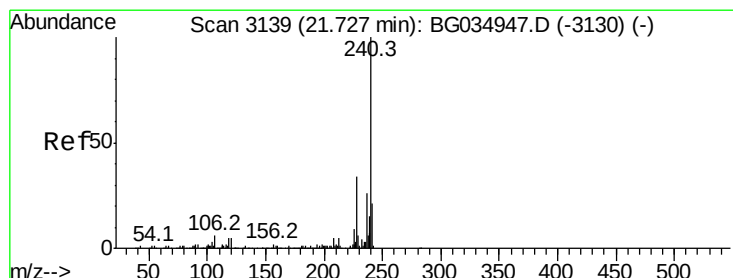
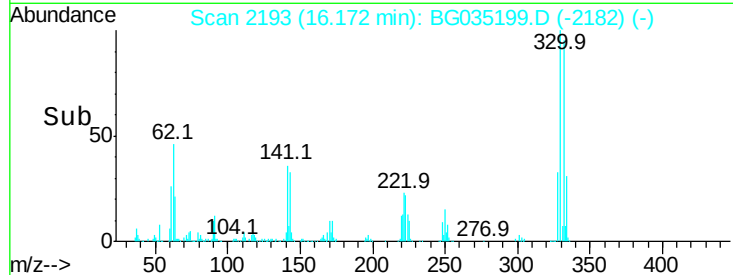
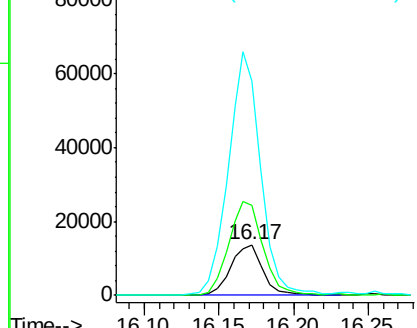
#66
 4-Bromophenyl-phenylether
 Concen: 5.008 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG035199.D
 Acq: 16 Jun 2018 9:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20725
 Ion Ratio Lower Upper
 248 100
 250 177.5 77.1 115.7#
 141 420.8 50.8 76.2#

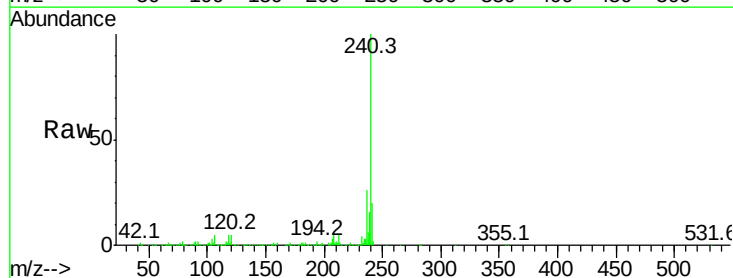


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

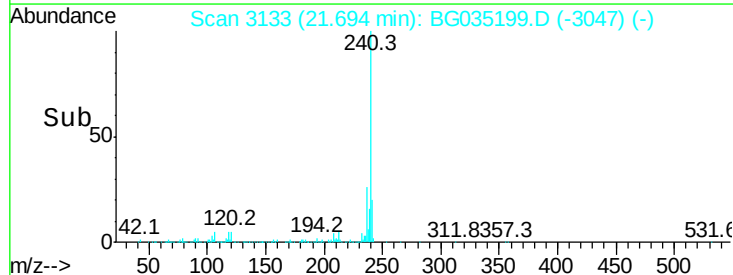
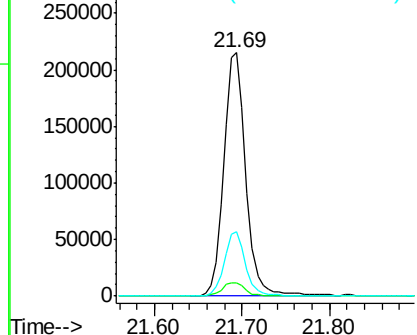


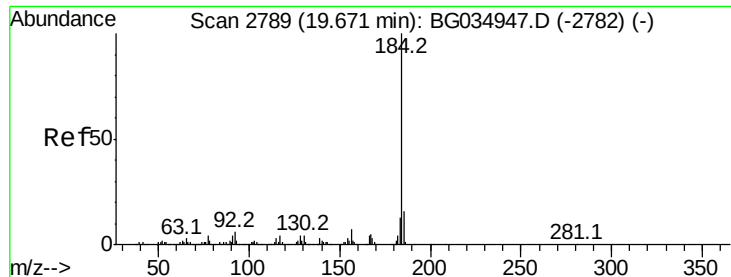
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG035199.D
 Acq: 16 Jun 2018 9:15

Tgt Ion:240 Resp: 373300
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 26.2 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

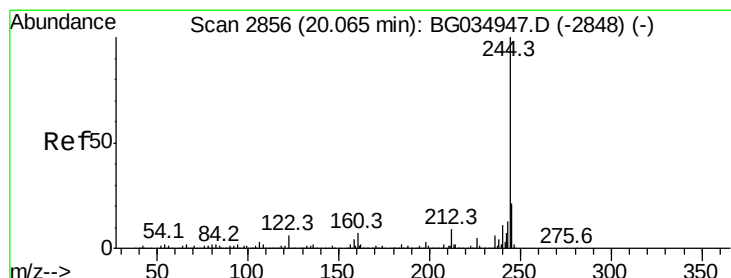
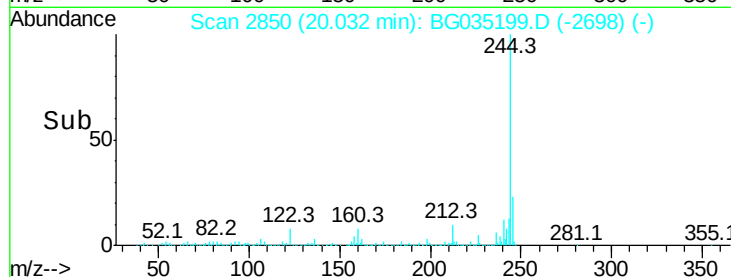
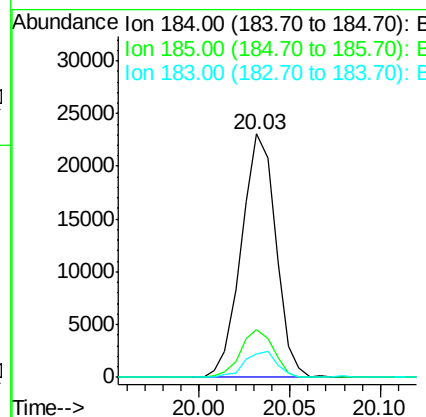
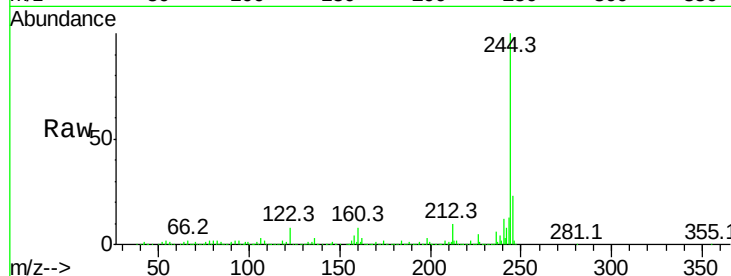




#76
Benzidine
Concen: 2.204 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.37 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

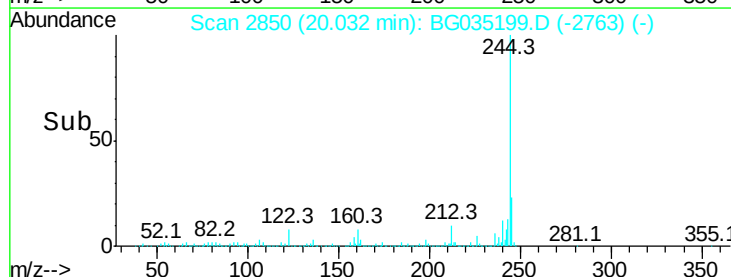
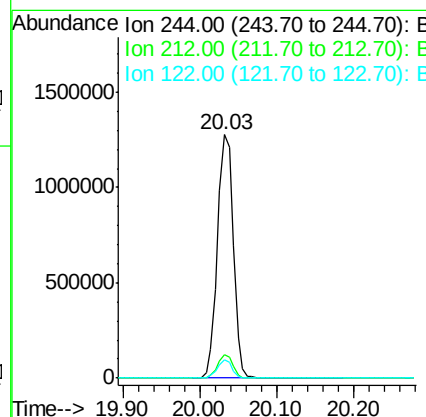
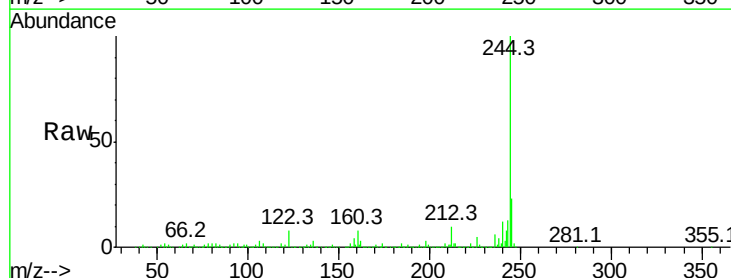
Instrument :
BNA_G
ClientSampleId :

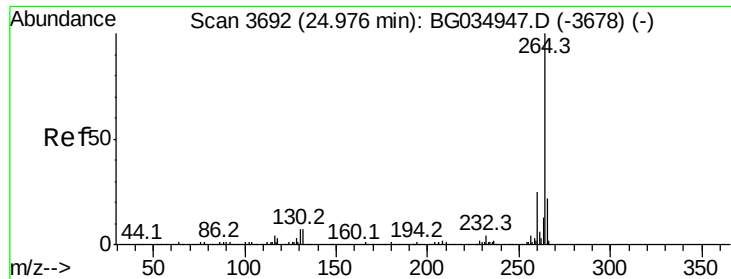
Tot Ion:184 Resp: 30609
Ion Ratio Lower Upper
184 100
185 19.8 11.1 16.7#
183 9.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 101.306 ng
RT: 20.03 min Scan# 2850
Delta R.T. -0.02 min
Lab File: BG035199.D
Acq: 16 Jun 2018 9:15

Tgt Ion:244 Resp: 1805415
Ion Ratio Lower Upper
244 100
212 9.6 5.8 8.8#
122 7.7 7.0 10.4

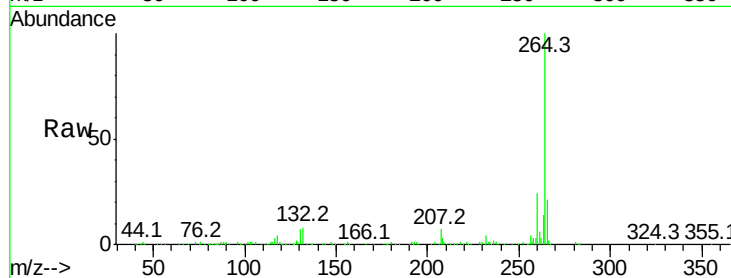




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3682
 Delta R.T. -0.03 min
 Lab File: BG035199.D
 Acq: 16 Jun 2018 9:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 301768
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 20.6 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

