

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035395.D
 Acq On : 26 Jun 2018 3:14
 Operator : JU/SJ
 Sample : J3676-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 06:43:44 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

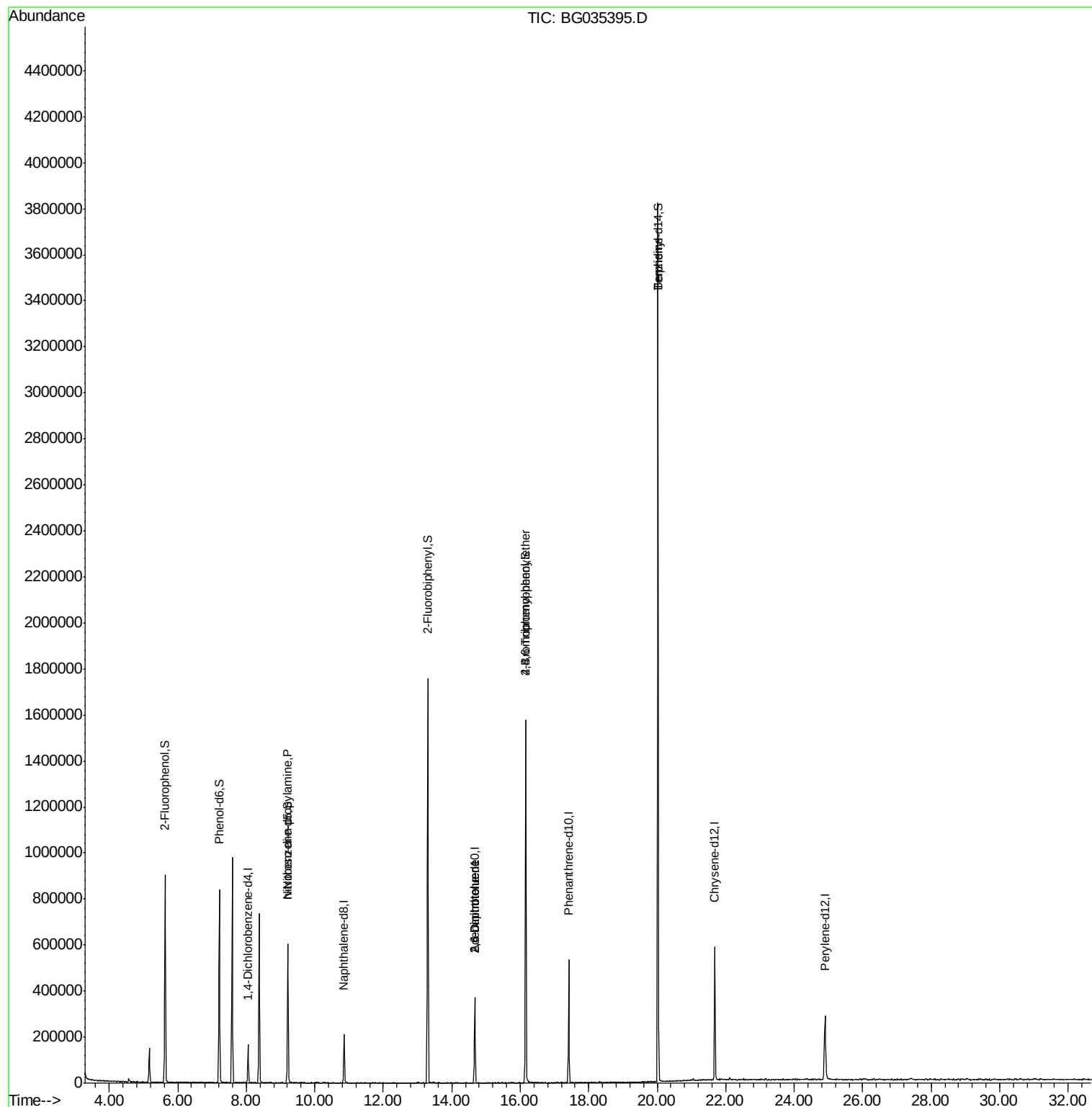
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	46714	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	176655	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	126000	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	341578	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	369949	20.00	ng	-0.04
86) Perylene-d12	24.90	264	344564	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	393298	142.08	ng	-0.01
7) Phenol-d6	7.21	99	506272	123.92	ng	-0.01
23) Nitrobenzene-d5	9.21	82	401221	107.96	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	288964	179.15	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	923194	95.25	ng	-0.03
78) Terphenyl-d14	20.02	244	1772766	100.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	55026	15.853	ng	# 68
50) 2,6-Dinitrotoluene	14.67	165	16842	8.402	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	16842	6.325	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	22685	5.515	ng	# 1
76) Benzidine	20.02	184	30535	2.219	ng	# 89

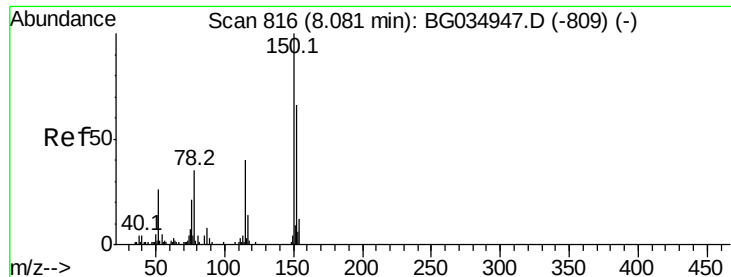
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
Data File : BG035395.D
Acq On : 26 Jun 2018 3:14
Operator : JU/SJ
Sample : J3676-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 26 06:43:44 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



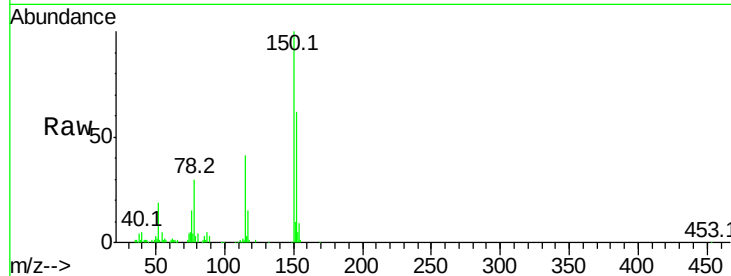


#1

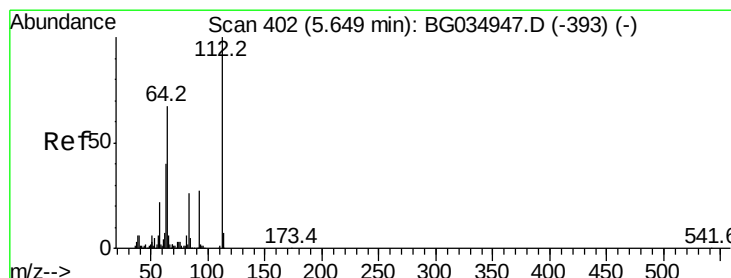
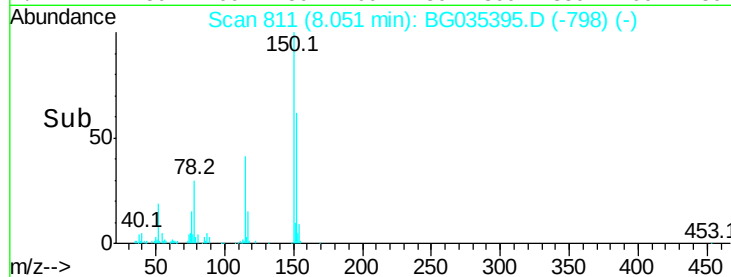
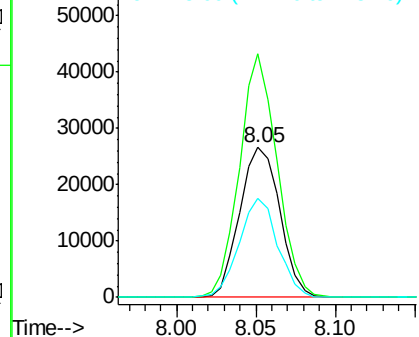
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.6	189.8
115	66.4	53.0	79.4



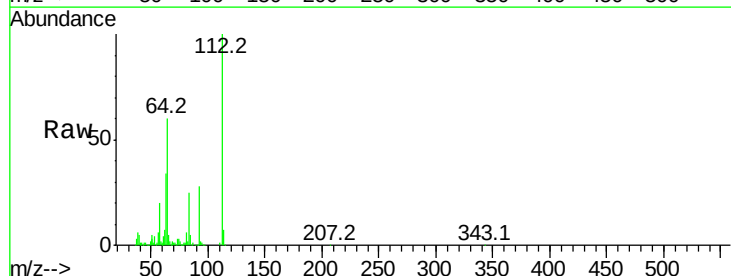
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



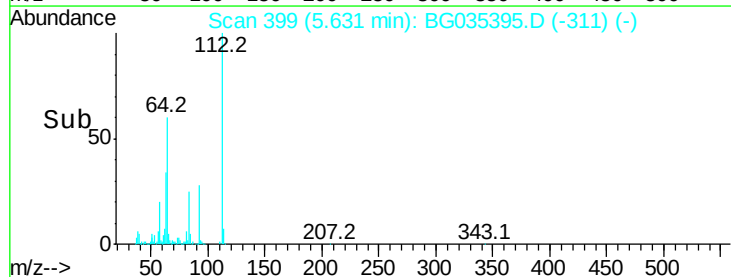
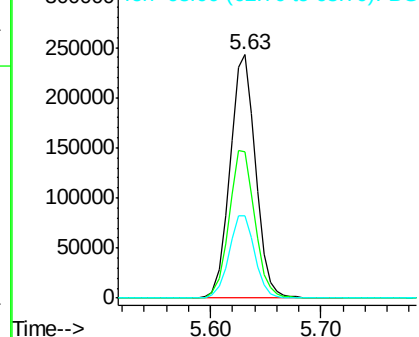
#5

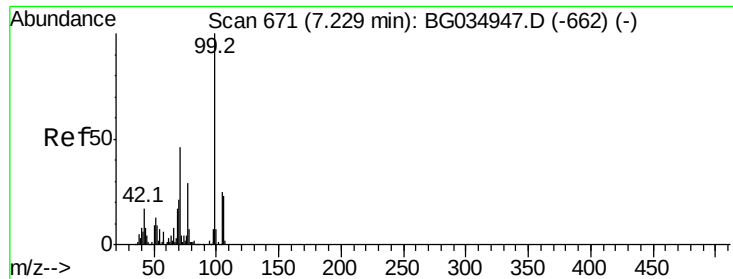
2-Fluorophenol
Concen: 142.084 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	56.3	84.5
63	33.8	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: 123.919 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

Instrument :

BNA_G

ClientSampleId :

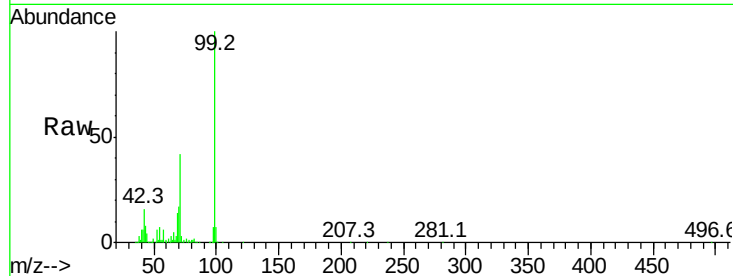
Tot Ion: 99 Resp: 506272

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

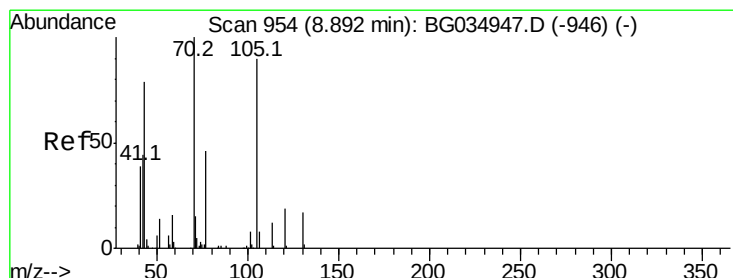
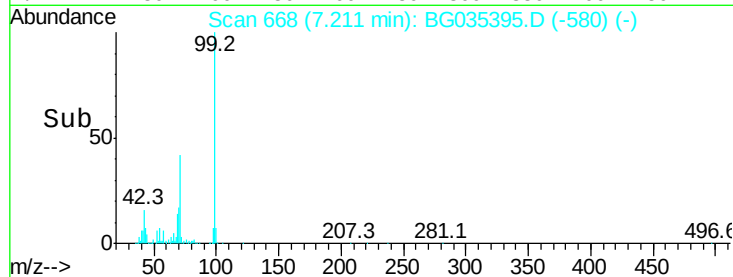
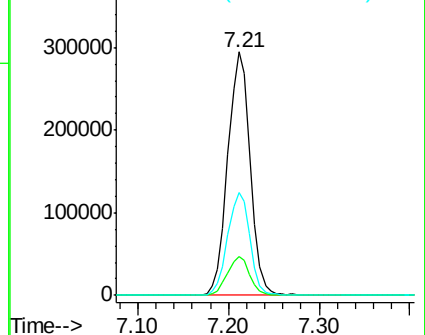
71 42.2 26.1 39.1#



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: 15.853 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

Tgt Ion: 70 Resp: 55026

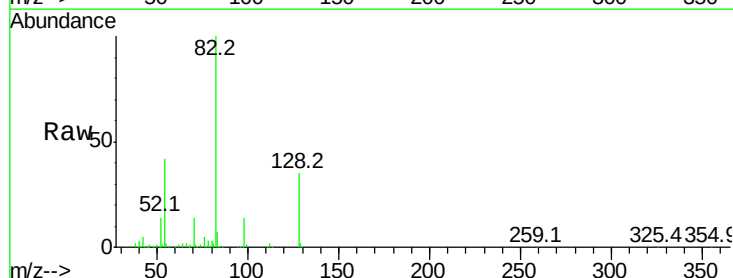
Ion Ratio Lower Upper

70 100

42 37.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

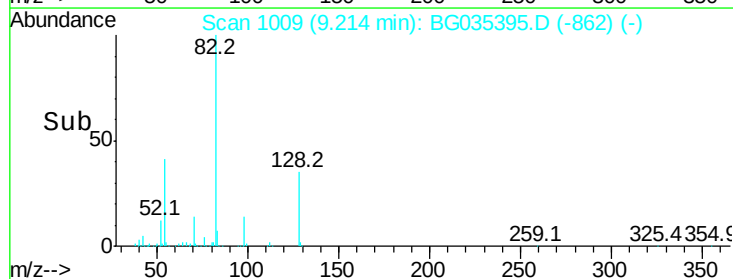
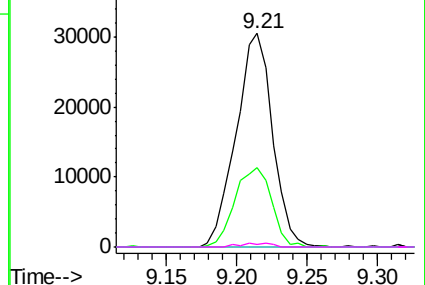


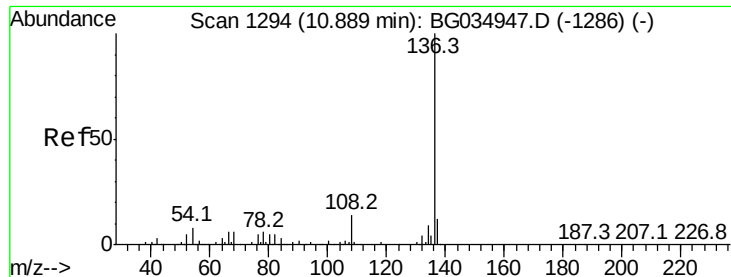
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

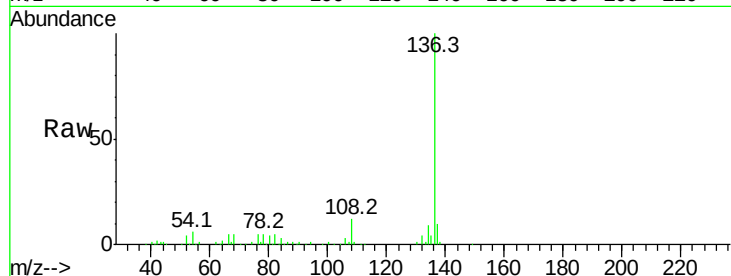




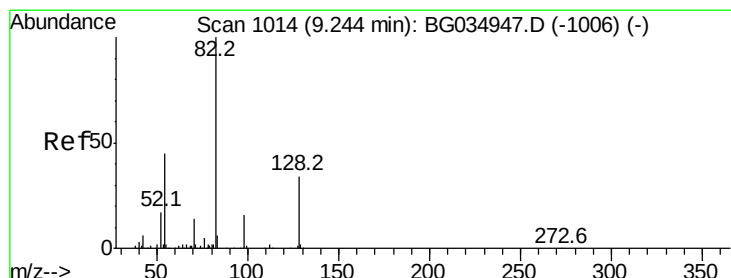
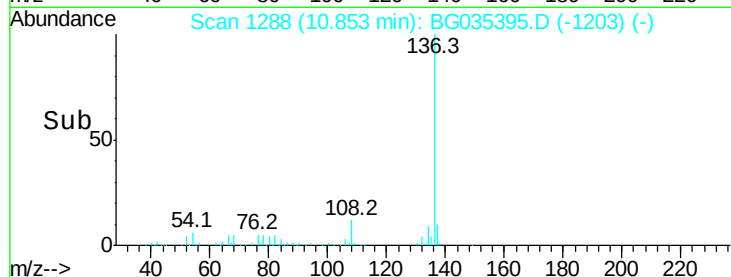
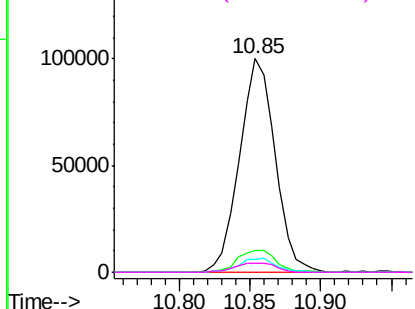
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	176655
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	6.1	10.3	15.5#
68	4.5	4.5	6.7

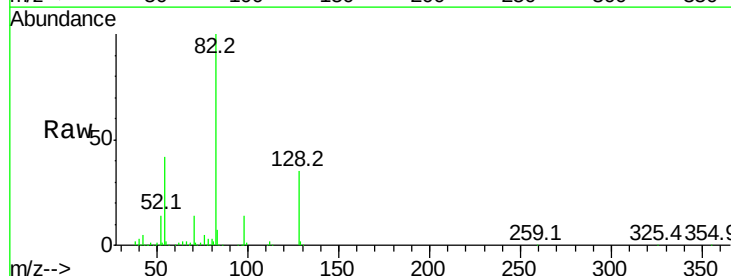


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

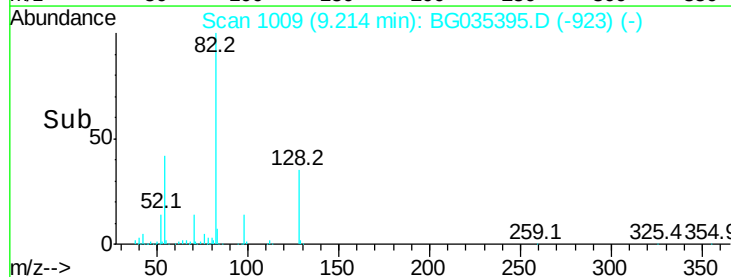
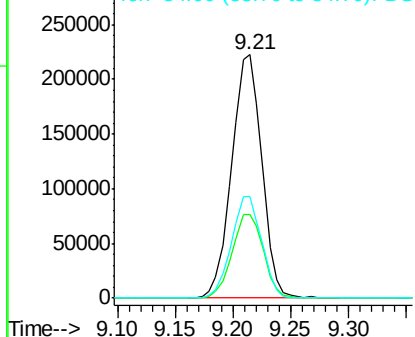


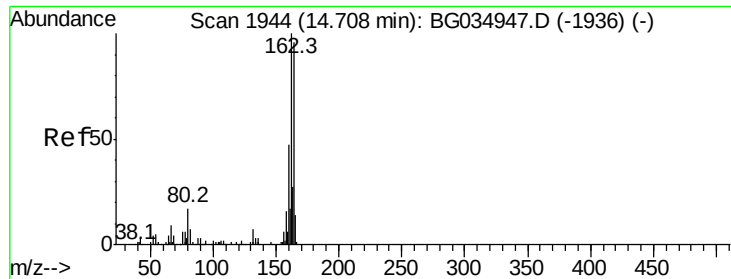
#23
Nitrobenzene-d5
Concen: 107.961 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Tgt Ion:	82	Resp:	401221
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	41.6	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: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

Instrument :

BNA_G

ClientSampled :

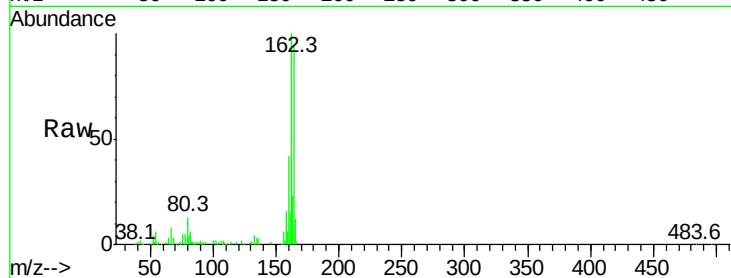
Tot Ion:164 Resp: 126000

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

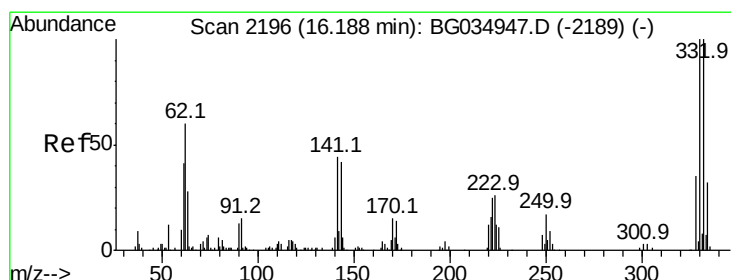
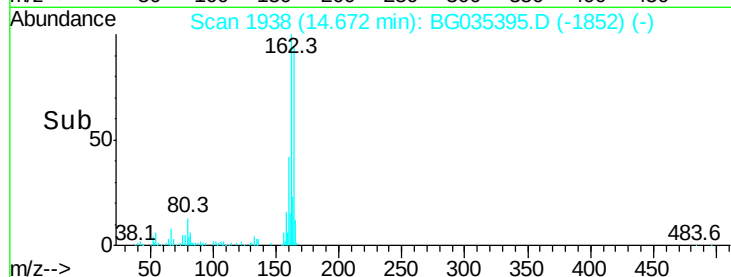
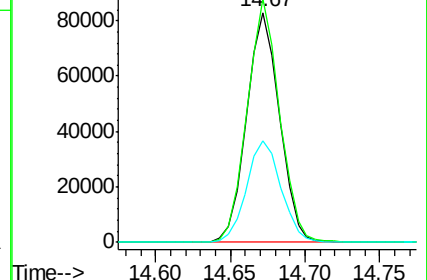
160 44.0 35.4 53.0



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: 179.151 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

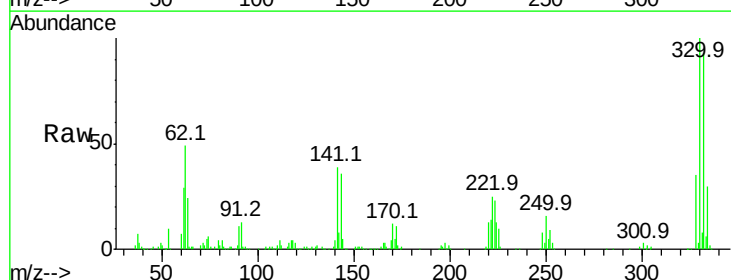
Tgt Ion:330 Resp: 288964

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

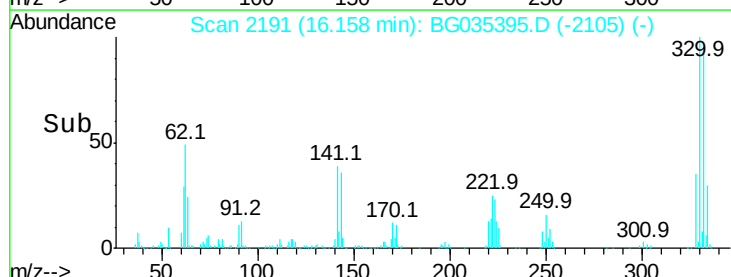
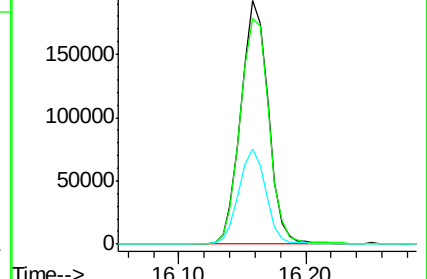
141 38.5 25.2 37.8#

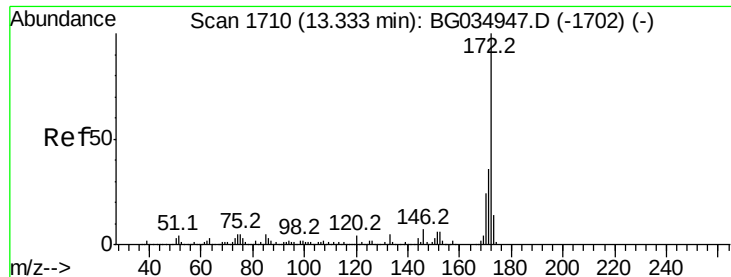


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

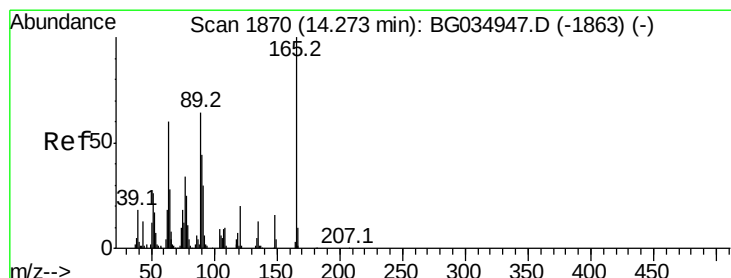
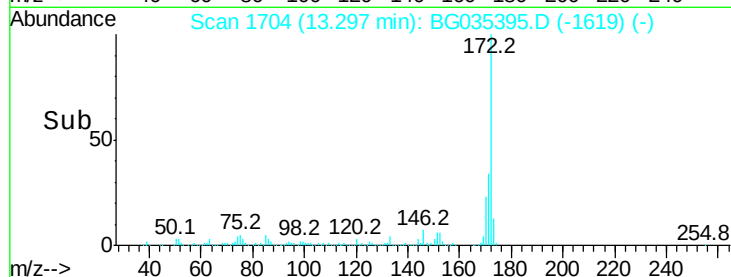
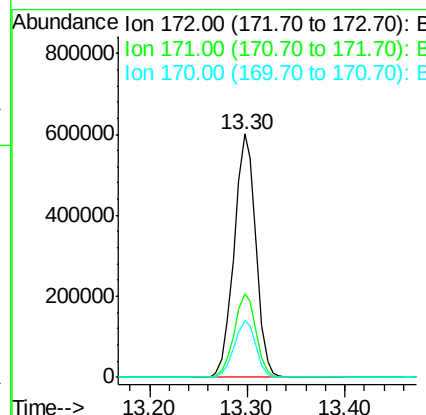
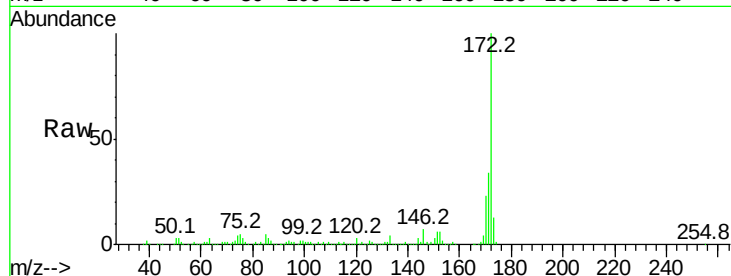




#44
2-Fluorobiphenyl
Concen: 95.250 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

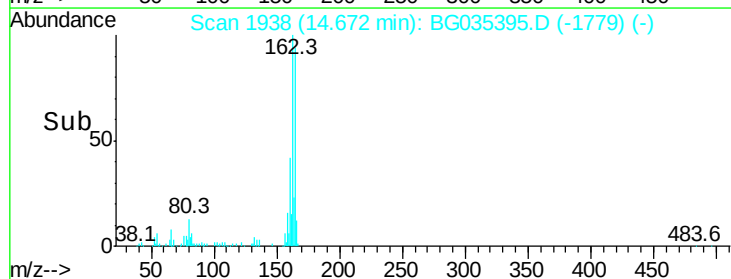
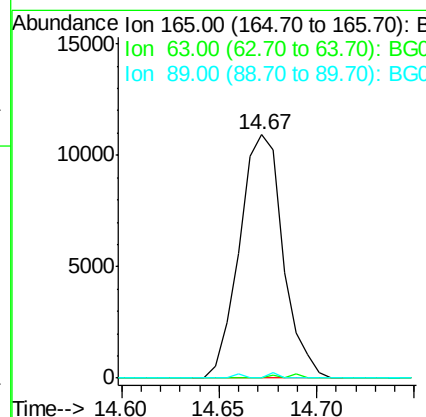
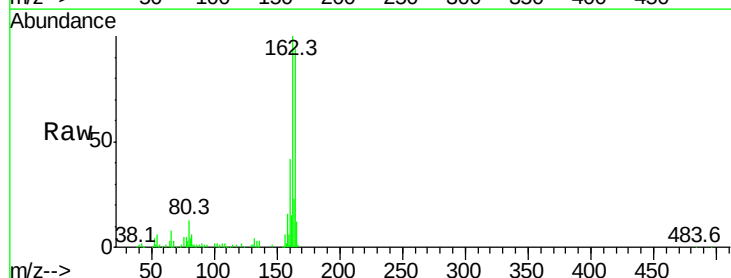
Instrument :
BNA_G
ClientSampleId :

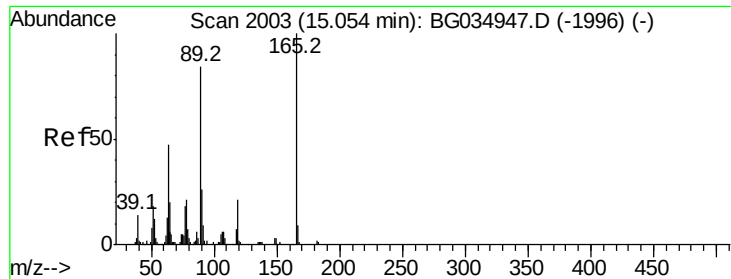
Tot Ion:172 Resp: 923194
Ion Ratio Lower Upper
172 100
171 34.5 30.0 45.0
170 23.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.402 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.40 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Tgt Ion:165 Resp: 16842
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.325 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

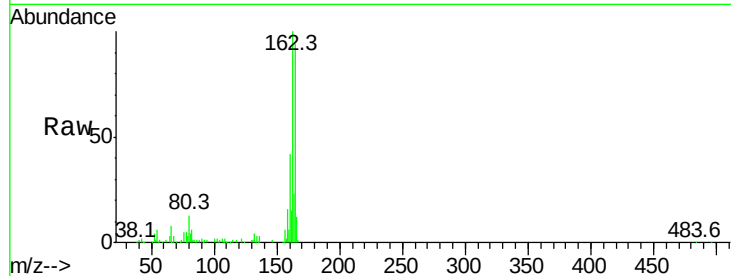
Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 16842

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

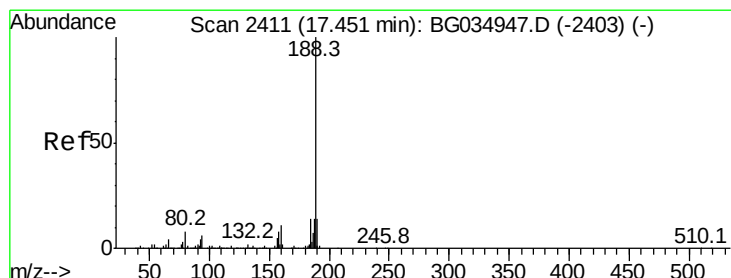
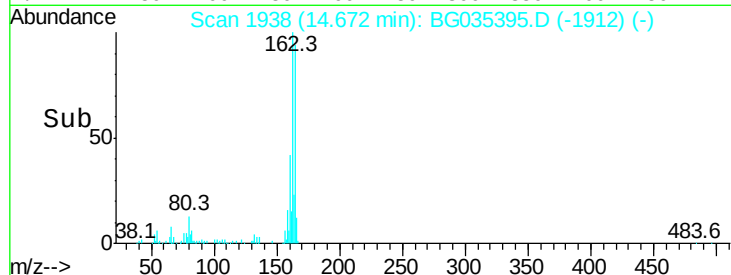
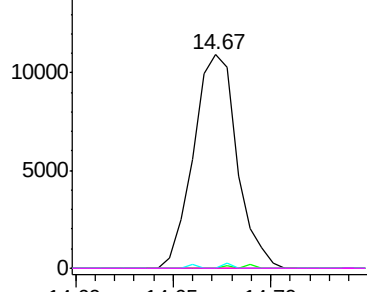
182 0.0 2.6 3.8#

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: BG035395.D

Acq: 26 Jun 2018 3:14

Tgt Ion:188 Resp: 341578

Ion Ratio Lower Upper

188 100

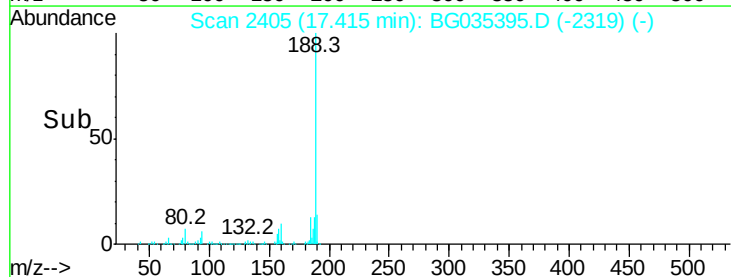
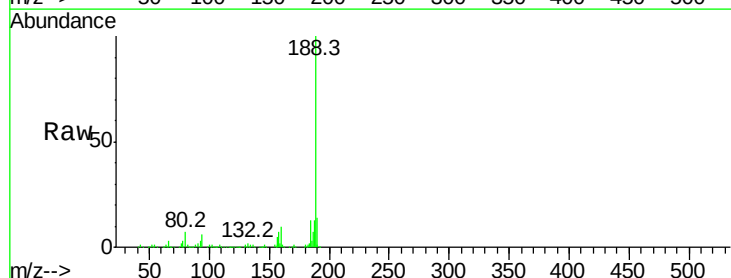
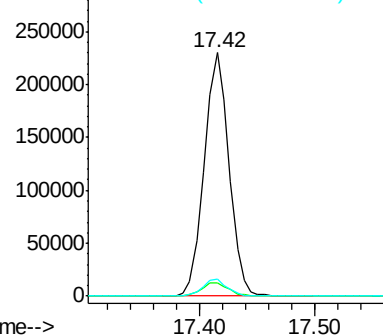
94 5.5 6.9 10.3#

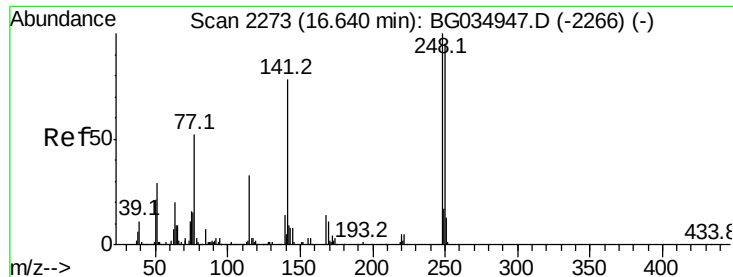
80 6.8 7.7 11.5#

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

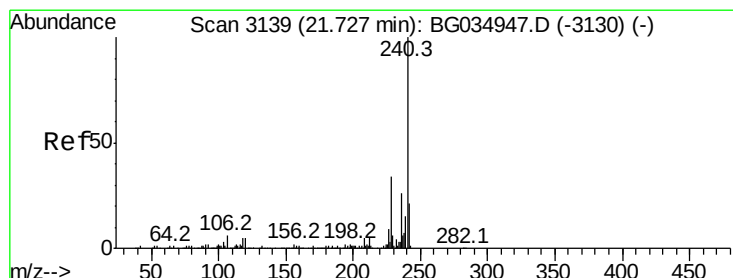
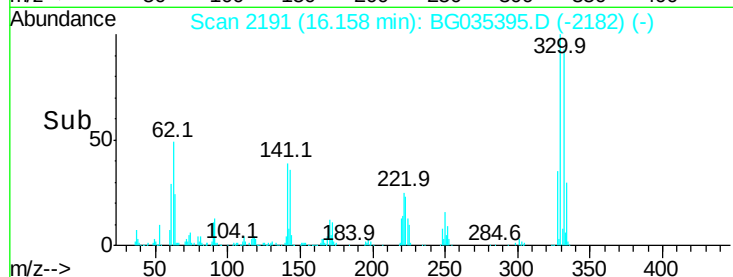
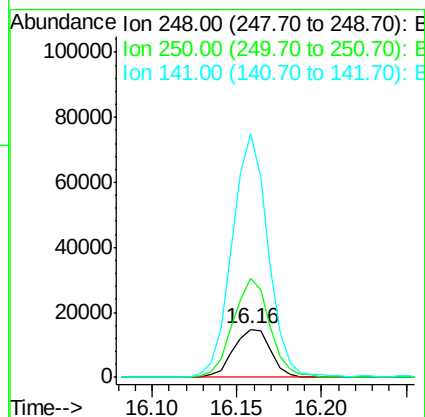
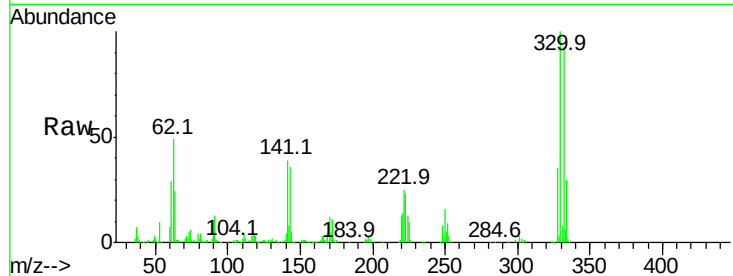




#66
4-Bromophenyl-phenylether
Concen: 5.515 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

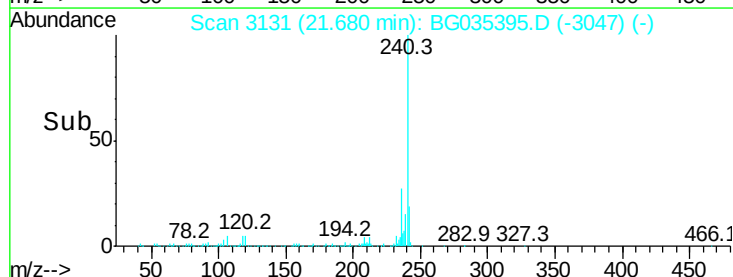
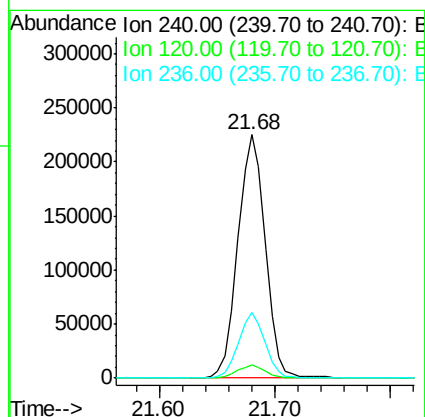
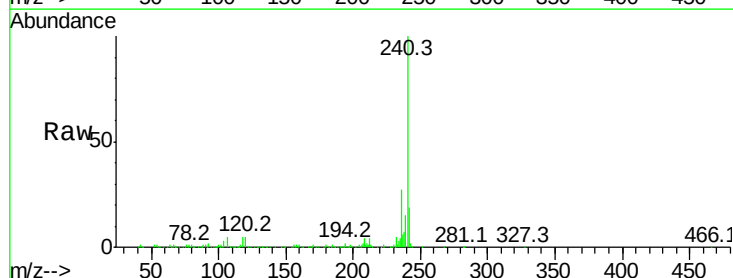
Instrument :
BNA_G
ClientSampled :

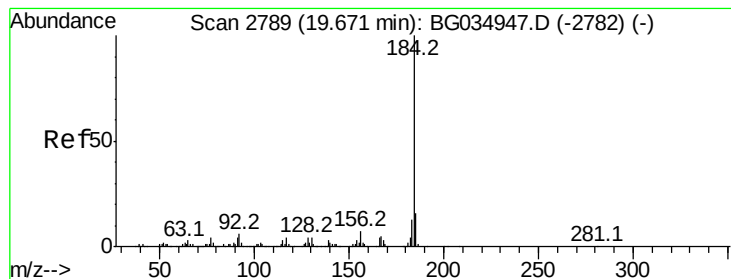
Tot Ion:248 Resp: 22685
Ion Ratio Lower Upper
248 100
250 207.8 77.1 115.7#
141 509.6 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Tgt Ion:240 Resp: 369949
Ion Ratio Lower Upper
240 100
120 5.3 6.8 10.2#
236 26.8 20.9 31.3





#76

Benzidine

Concen: 2.219 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

Instrument :

BNA_G

ClientSampleId :

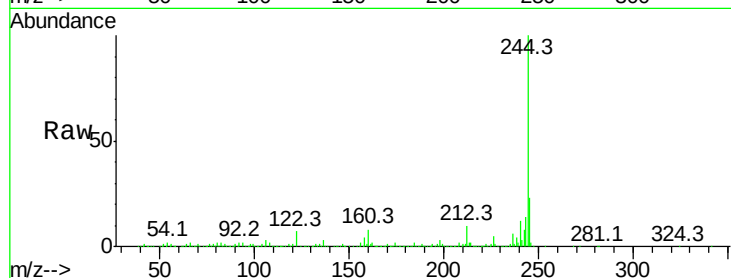
Tot Ion:184 Resp: 30535

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

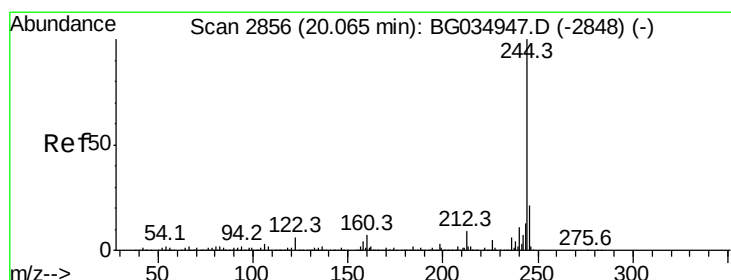
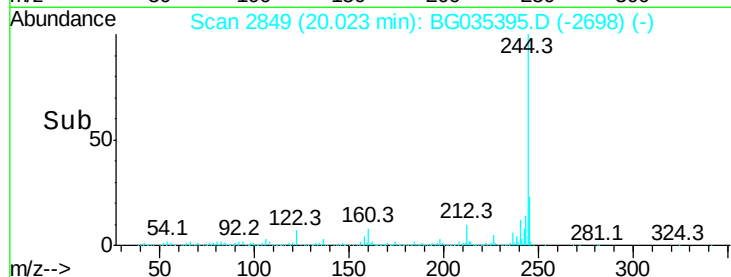
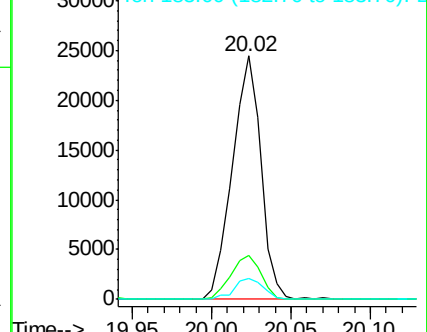
183 8.6 10.6 16.0#



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: 100.375 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035395.D

Acq: 26 Jun 2018 3:14

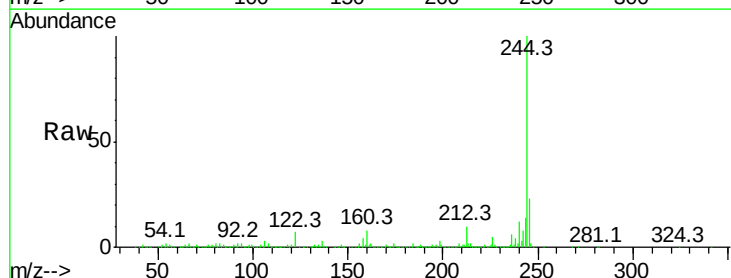
Tgt Ion:244 Resp: 1772766

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

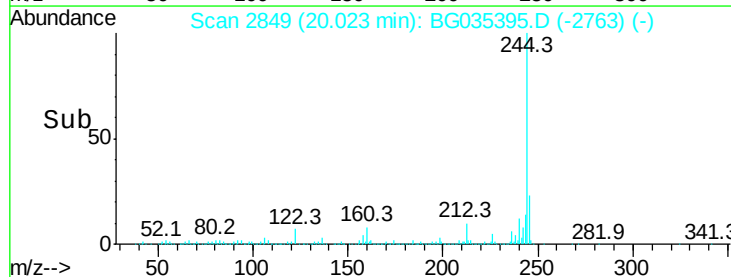
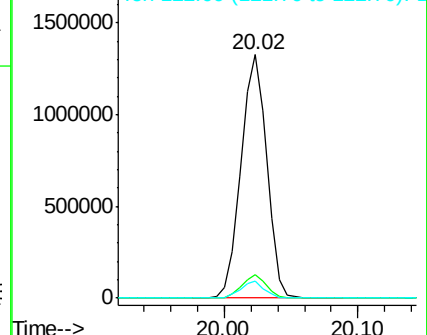
122 6.8 7.0 10.4#

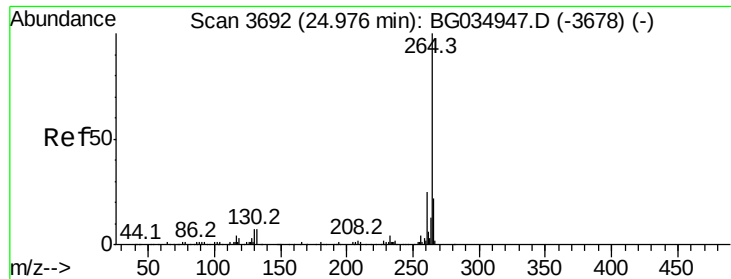


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

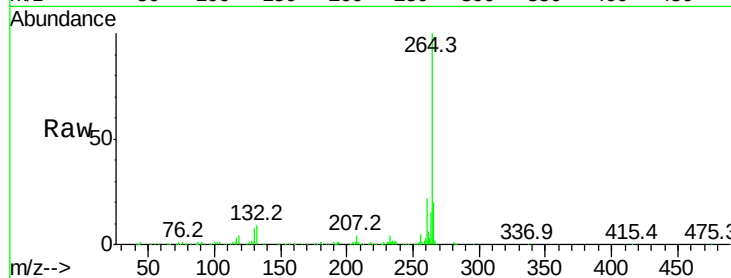




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035395.D
Acq: 26 Jun 2018 3:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	19.9	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

