

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036026.D
 Acq On : 1 Aug 2018 7:07
 Operator : JU/SJ
 Sample : J4234-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 07:41:43 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 12:30:06 2018
 Response via : Initial Calibration

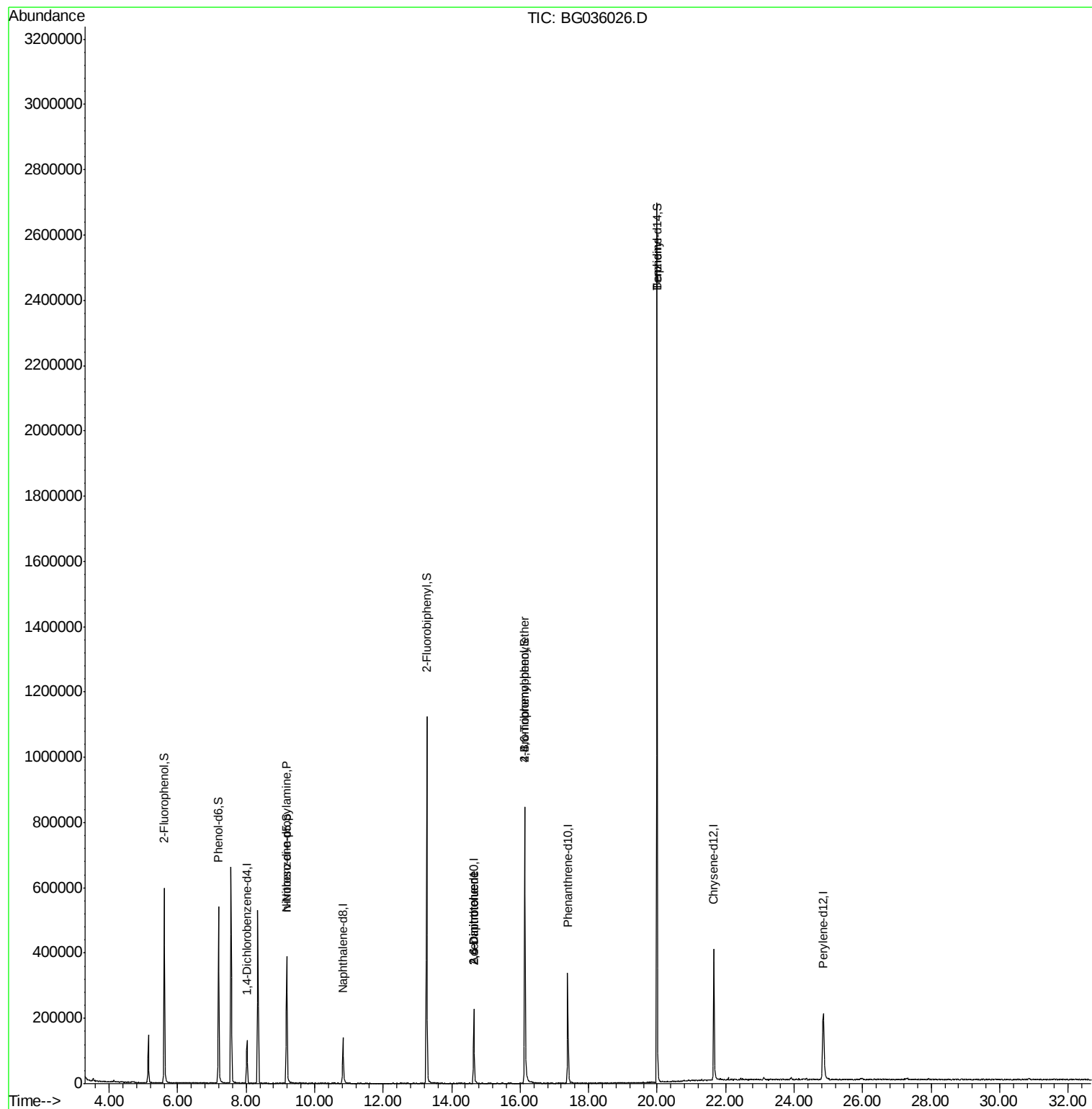
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	37958	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	131547	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	89575	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	251692	20.00	ng	0.00
75) Chrysene-d12	21.65	240	296266	20.00	ng	0.00
86) Perylene-d12	24.85	264	271250	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	267415	116.96	ng	0.00
7) Phenol-d6	7.19	99	339628	99.56	ng	0.00
23) Nitrobenzene-d5	9.18	82	279529	88.77	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	178030	150.79	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	635204	95.01	ng	0.00
78) Terphenyl-d14	20.00	244	1281249	95.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	37707	13.127	ng	# 71
50) 2,6-Dinitrotoluene	14.64	165	11675	7.305	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	11675	5.092	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	15074	5.162	ng	# 1
76) Benzidine	20.00	184	21550	2.767	ng	# 93

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

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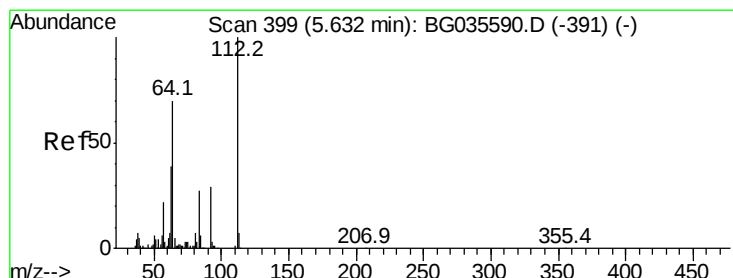
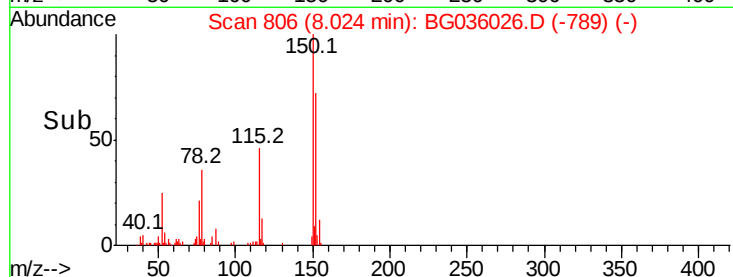
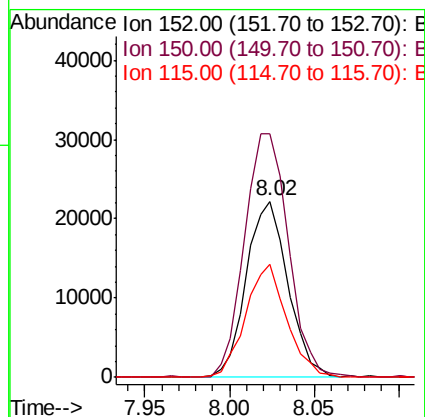
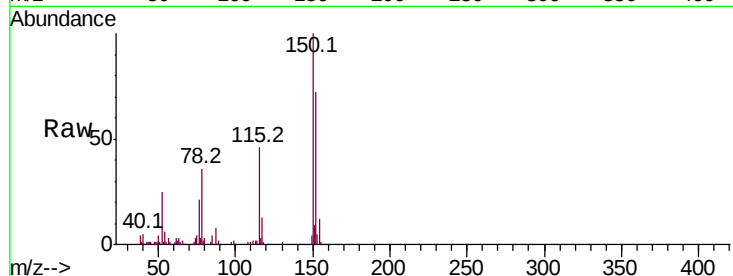


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

Instrument :
BNA_G
ClientSampleId :

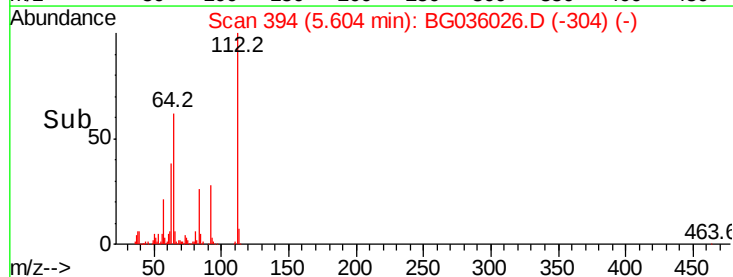
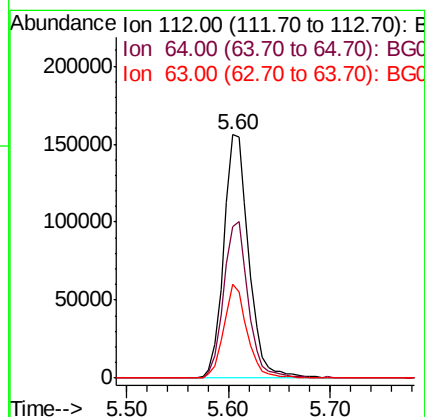
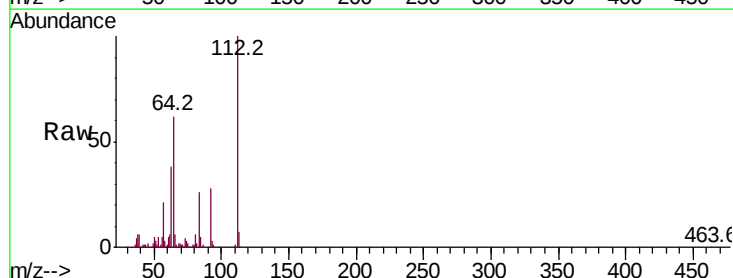
Tot Ion	Ratio	Lower	Upper
152	100		
150	138.1	126.6	189.8
115	63.8	53.0	79.4



#5

2-Fluorophenol
Concen: 116.964 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	38.4	30.1	45.1





#7

Phenol-d6

Concen: 99.564 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

Instrument :

BNA_G

ClientSampled :

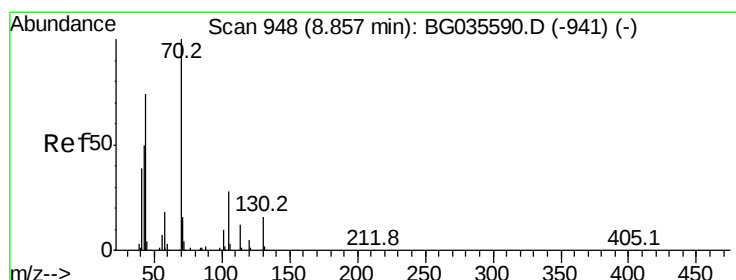
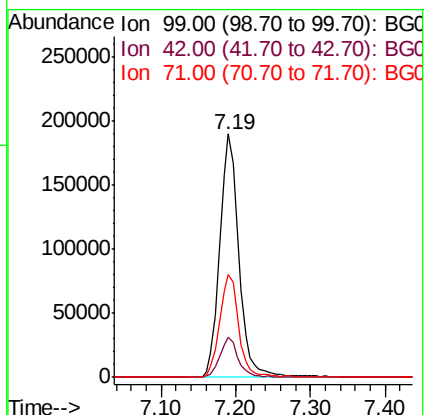
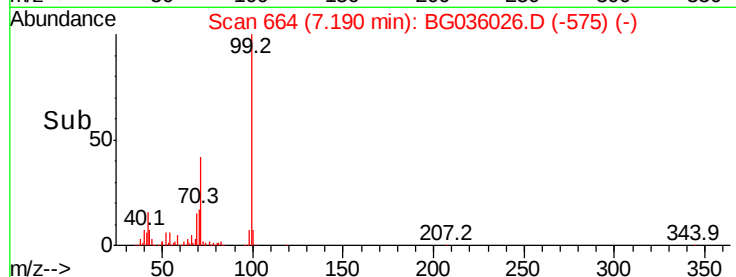
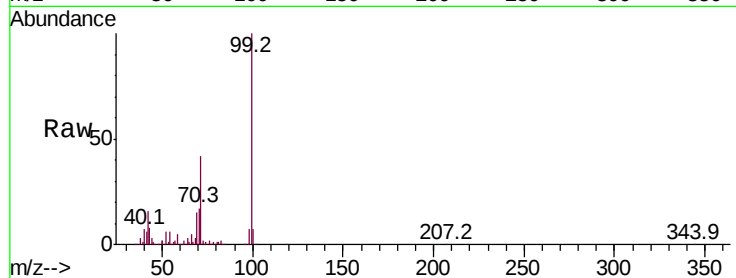
Tot Ion: 99 Resp: 339628

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

71 42.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.127 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

Tgt Ion: 70 Resp: 37707

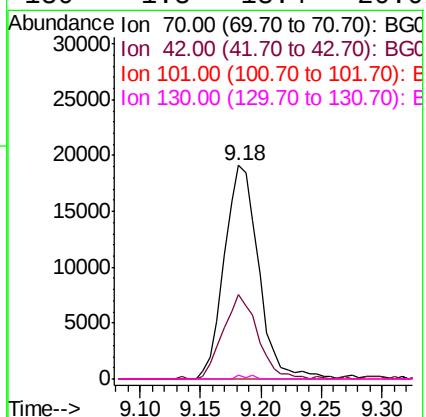
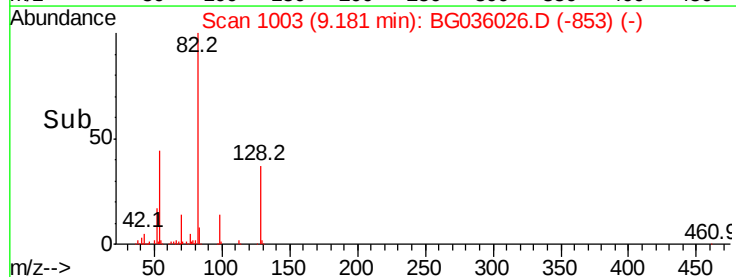
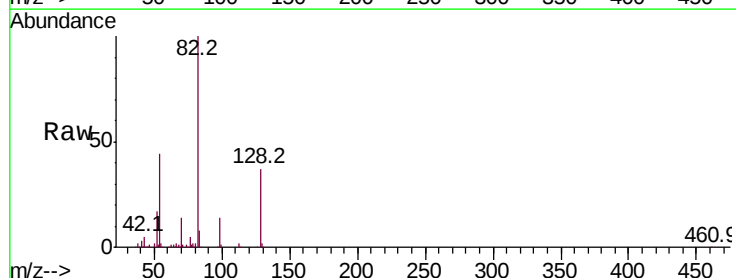
Ion Ratio Lower Upper

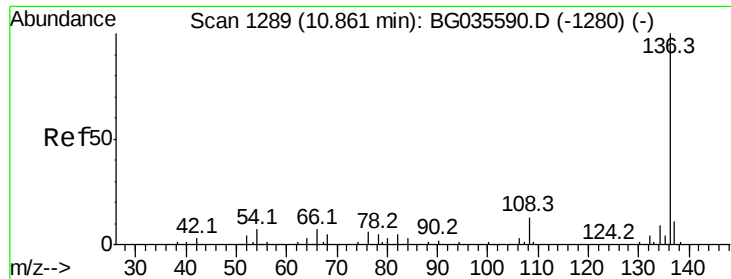
70 100

42 39.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

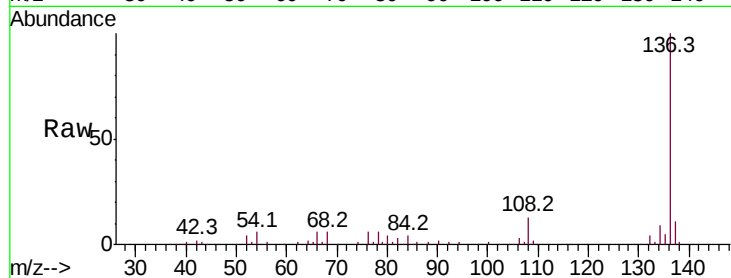




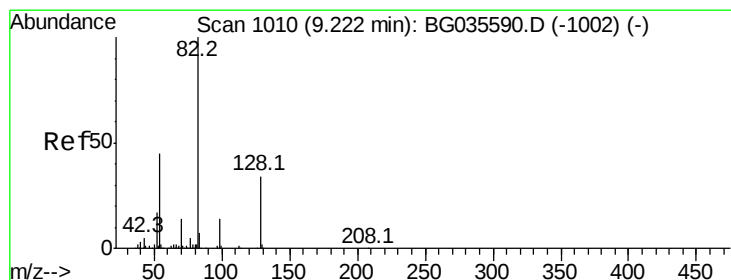
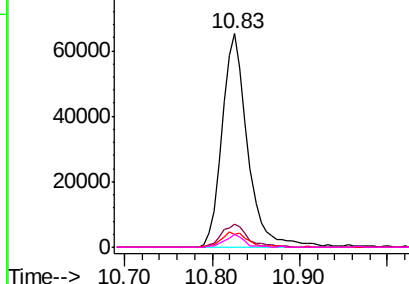
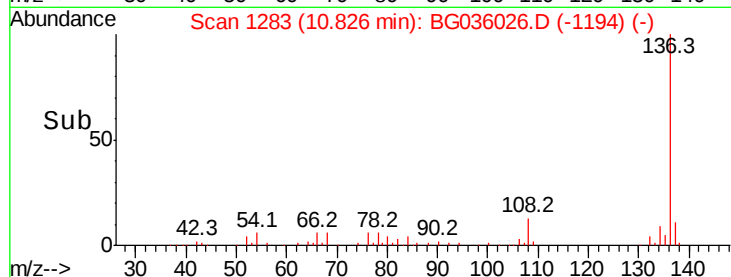
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	131547
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.1	10.3	15.5
68	5.7	4.5	6.7

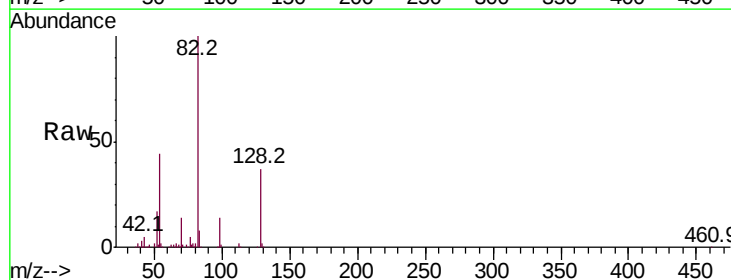


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

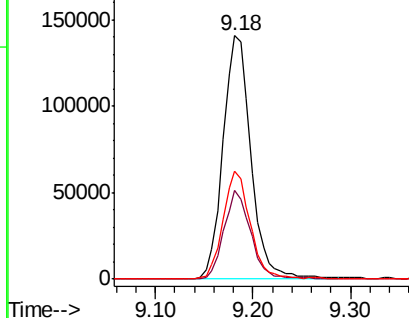
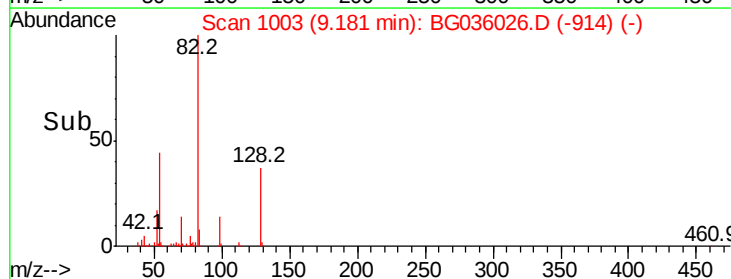


#23
Nitrobenzene-d5
Concen: 88.769 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

Tgt Ion:	82	Resp:	279529
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.7	44.5
54	44.3	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

Instrument :

BNA_G

ClientSampleId :

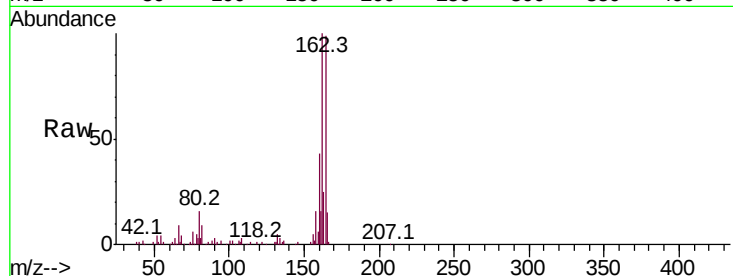
Tot Ion:164 Resp: 89575

Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

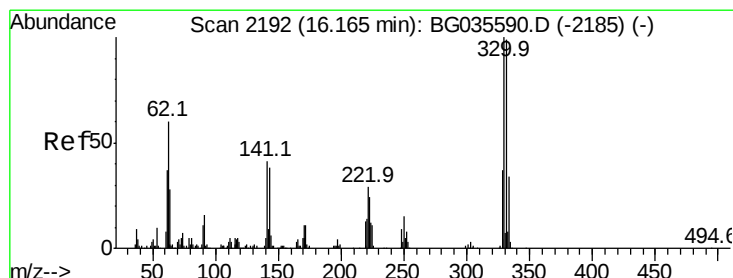
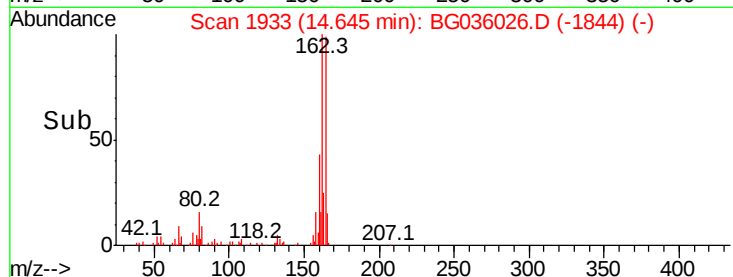
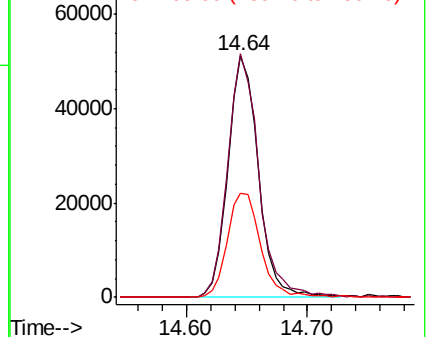
160 43.0 35.4 53.0



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: 150.789 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

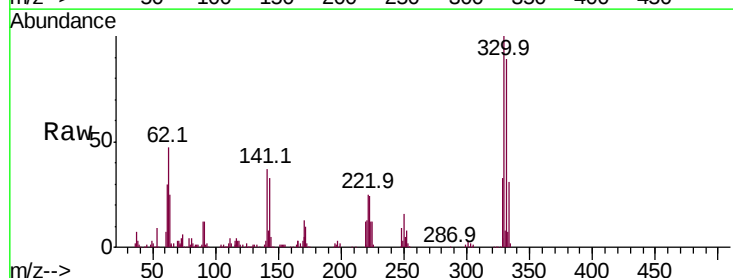
Tgt Ion:330 Resp: 178030

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

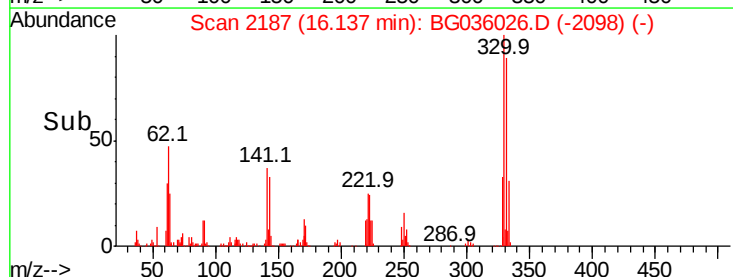
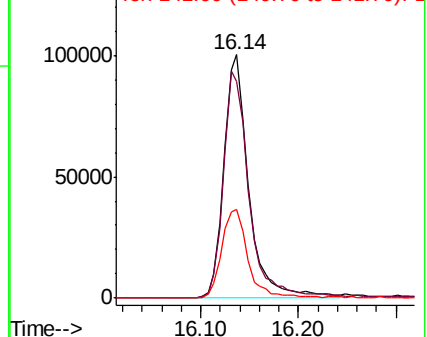
141 38.9 25.2 37.8#

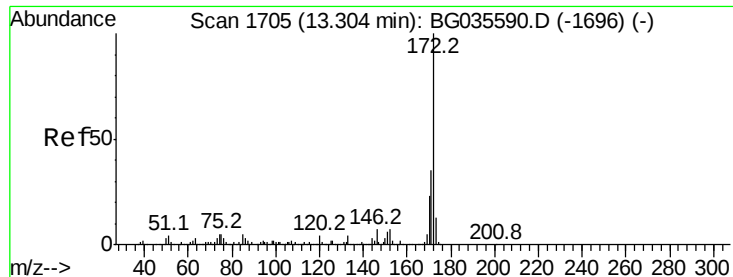


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

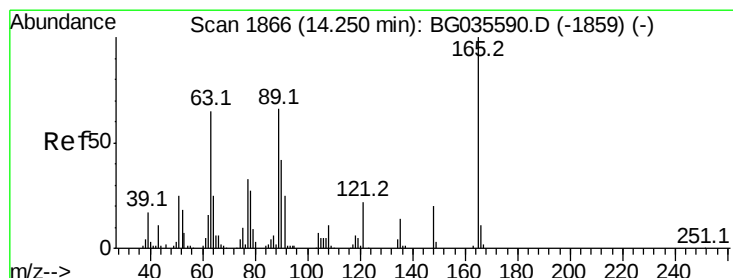
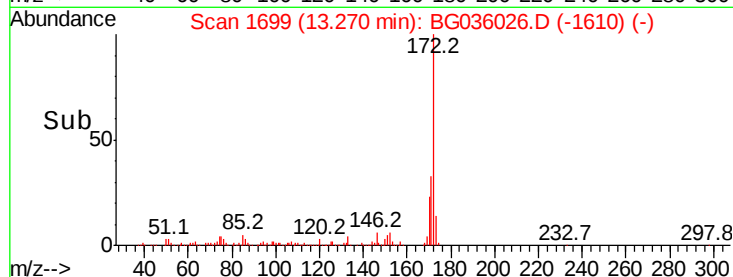
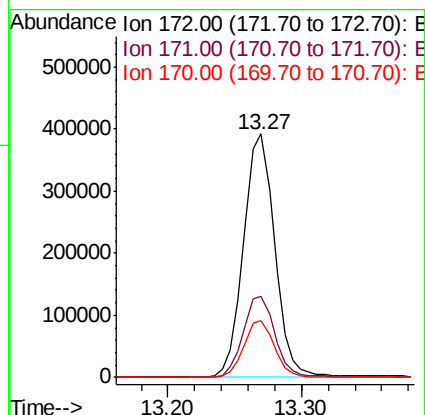
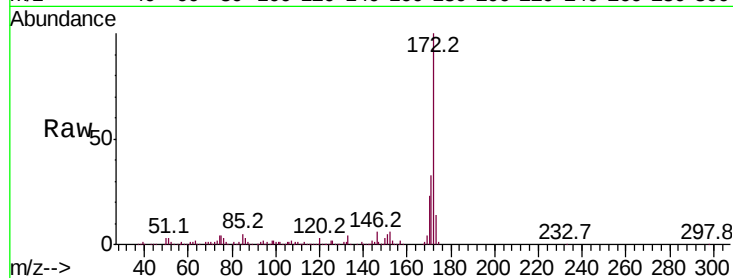




#44
 2-Fluorobiphenyl
 Concen: 95.005 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036026.D
 Acq: 1 Aug 2018 7:07

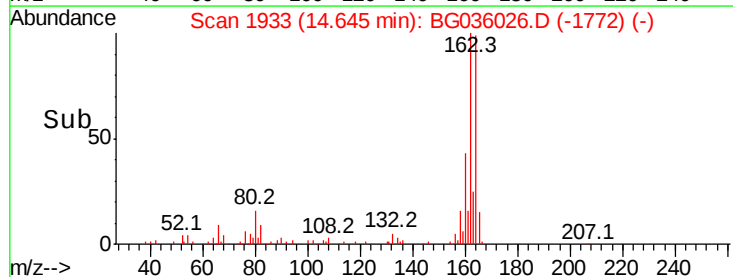
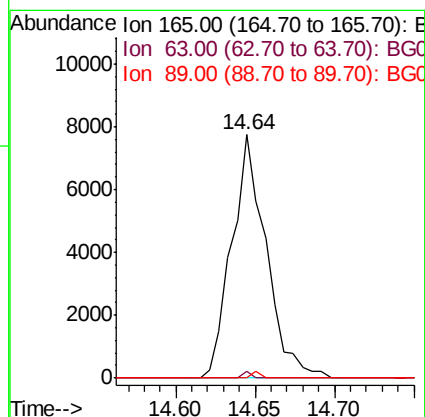
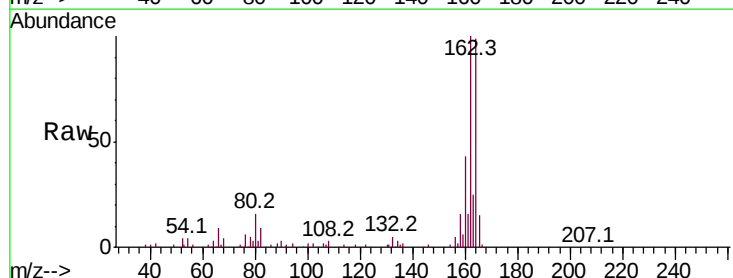
Instrument :
 BNA_G
 ClientSampled :

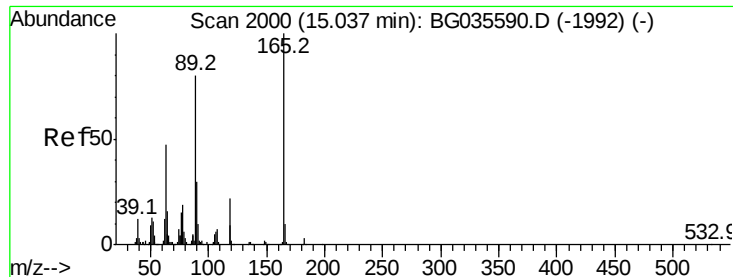
Tot Ion:172 Resp: 635204
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.305 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036026.D
 Acq: 1 Aug 2018 7:07

Tgt Ion:165 Resp: 11675
 Ion Ratio Lower Upper
 165 100
 63 2.6 52.7 79.1#
 89 0.0 49.2 73.8#

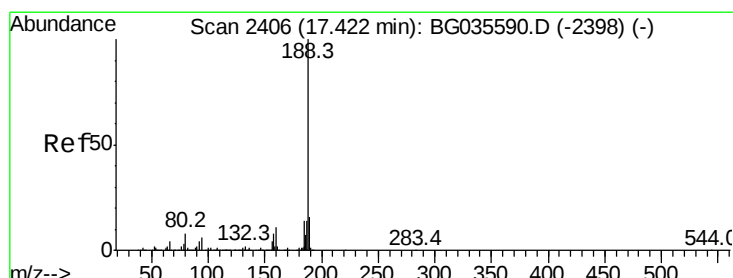
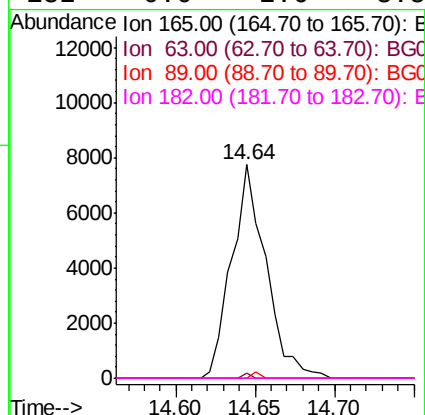
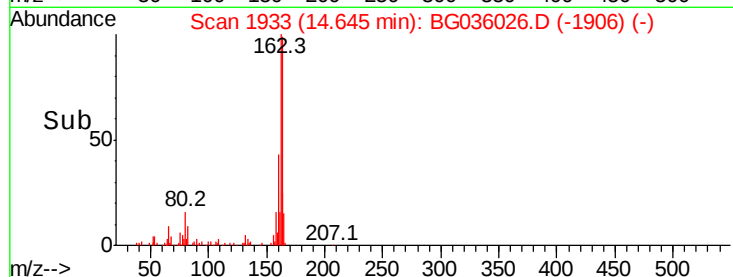
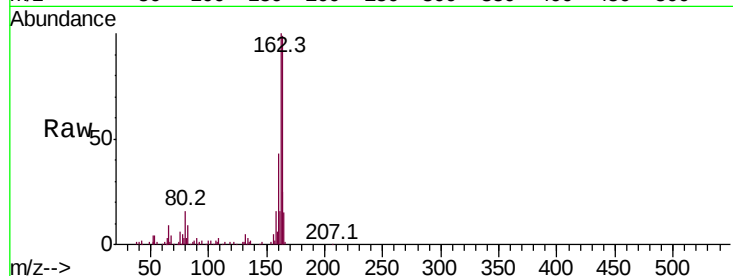




#56
2,4-Dinitrotoluene
Concen: 5.092 ng
RT: 14.64 min Scan# 1933
Delta R.T. -0.37 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

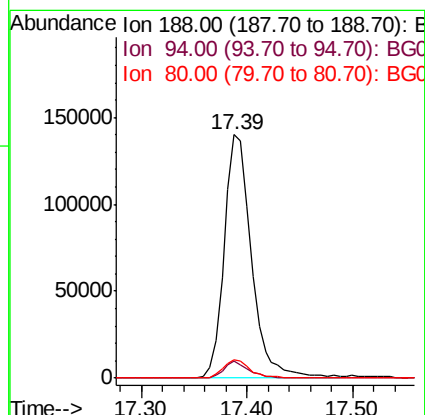
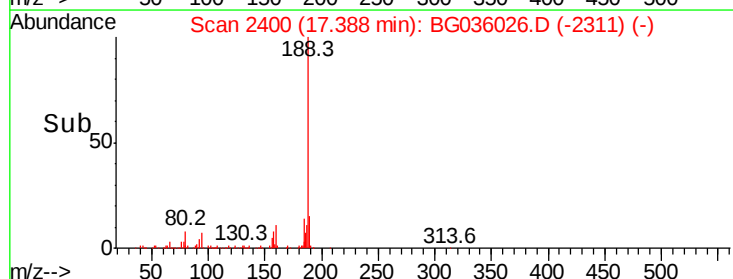
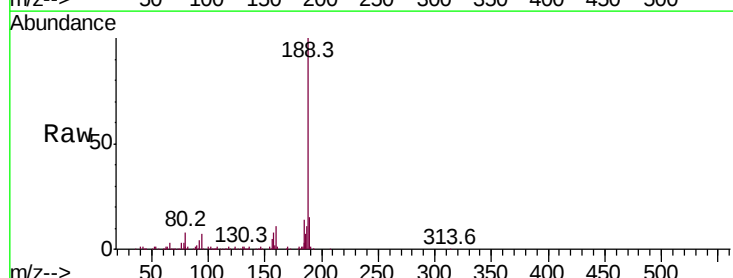
Instrument :
BNA_G
ClientSampleId :

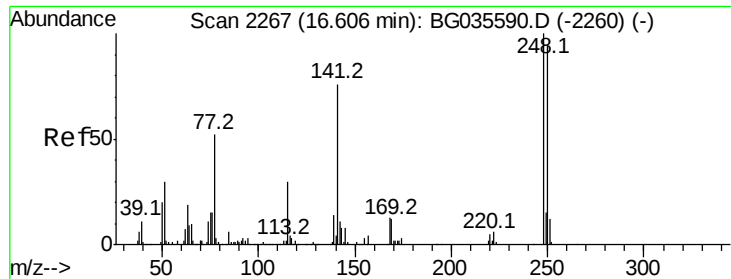
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BG036026.D
Acq: 1 Aug 2018 7:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.7	7.7	11.5

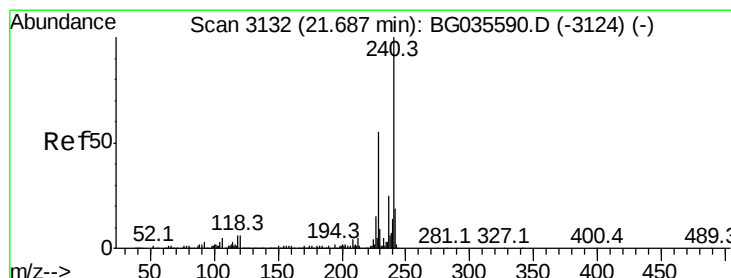
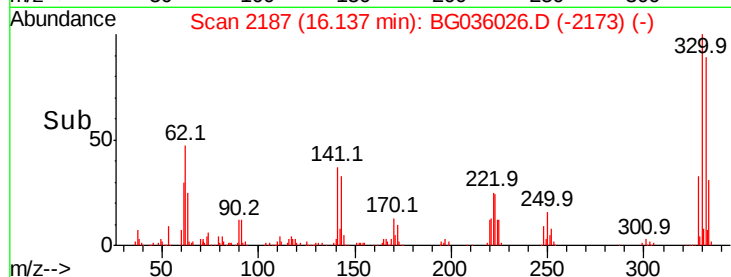
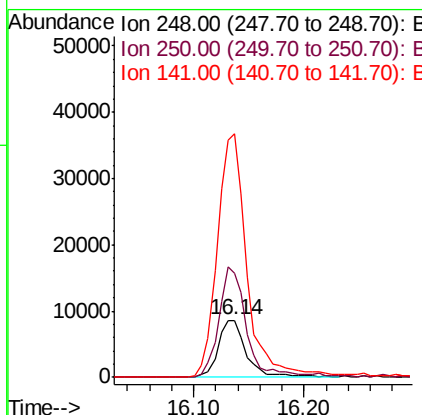
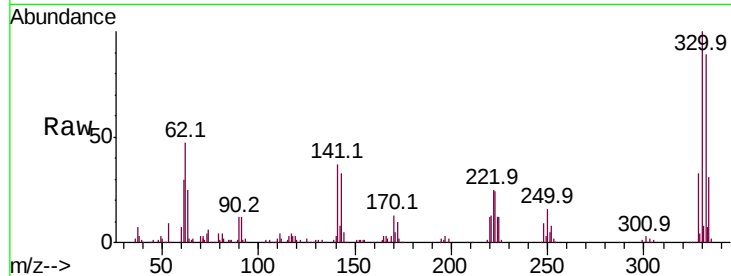




#66
 4-Bromophenyl-phenylether
 Concen: 5.162 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036026.D
 Acq: 1 Aug 2018 7:07

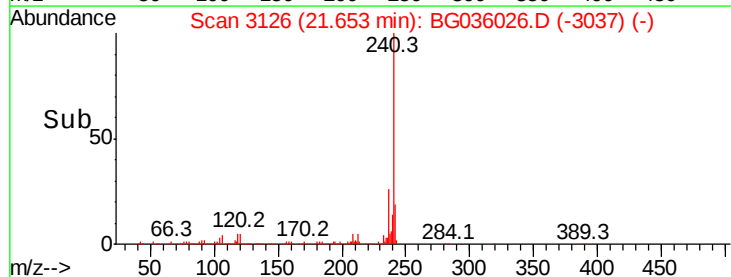
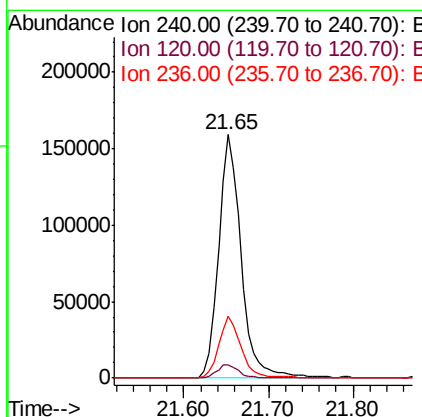
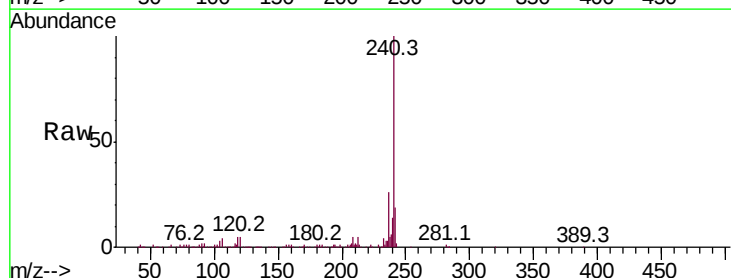
Instrument :
 BNA_G
 ClientSampled :

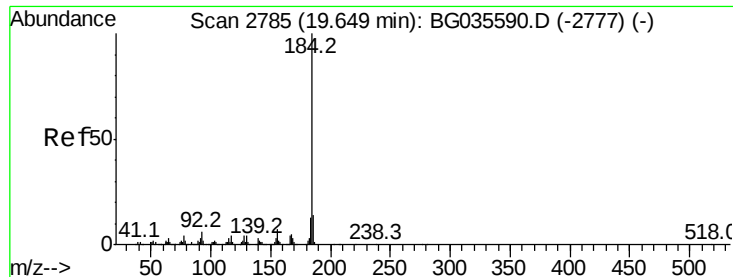
Tot Ion:248 Resp: 15074
 Ion Ratio Lower Upper
 248 100
 250 182.8 77.1 115.7#
 141 425.5 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036026.D
 Acq: 1 Aug 2018 7:07

Tgt Ion:240 Resp: 296266
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 25.6 20.9 31.3





#76

Benzidine

Concen: 2.767 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

Instrument :

BNA_G

ClientSampleId :

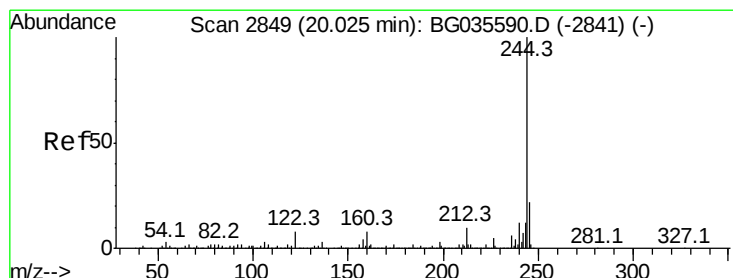
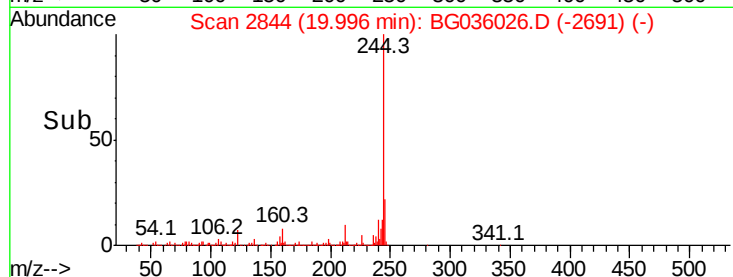
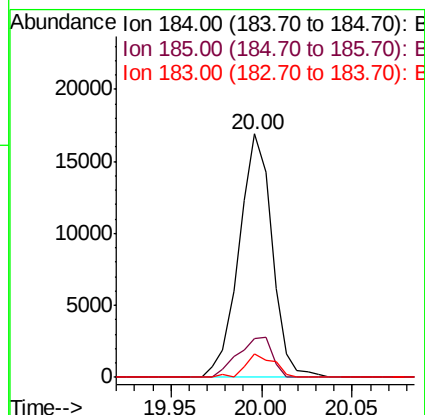
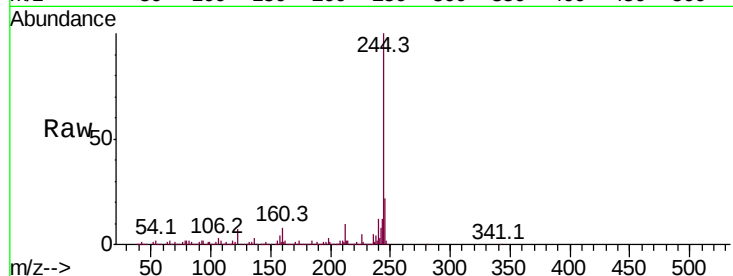
Tot Ion:184 Resp: 21550

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

183 9.9 10.6 16.0#



#78

Terphenyl-d14

Concen: 95.328 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036026.D

Acq: 1 Aug 2018 7:07

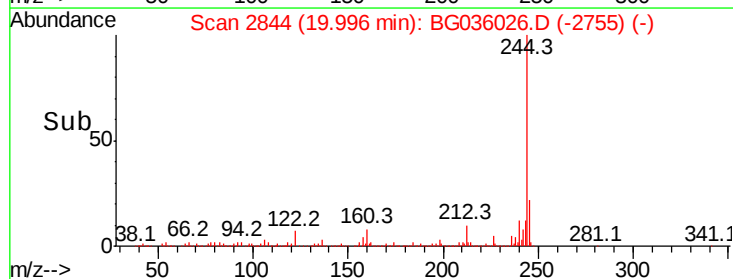
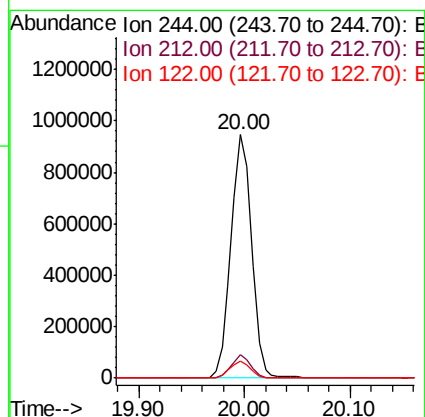
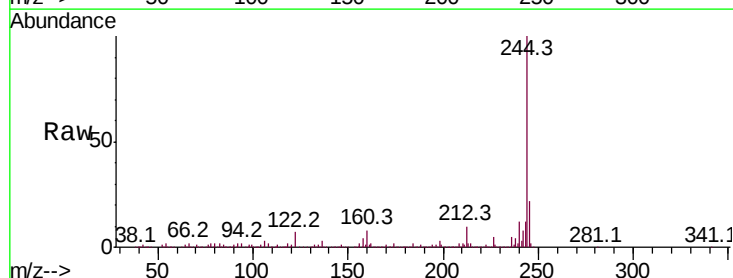
Tgt Ion:244 Resp: 1281249

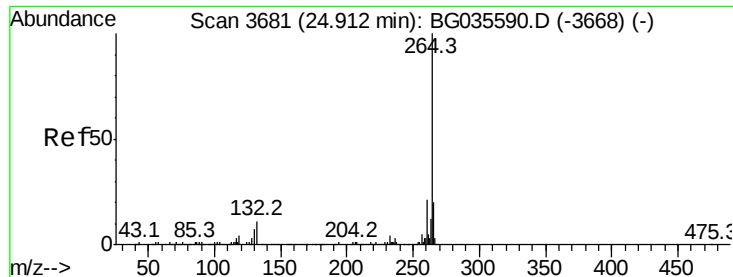
Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

122 7.0 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: BG036026.D
 Acq: 1 Aug 2018 7:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.8	17.7	26.5

