

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036141.D
 Acq On : 7 Aug 2018 00:01
 Operator : JU/SJ
 Sample : J4355-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 07 05:12:07 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

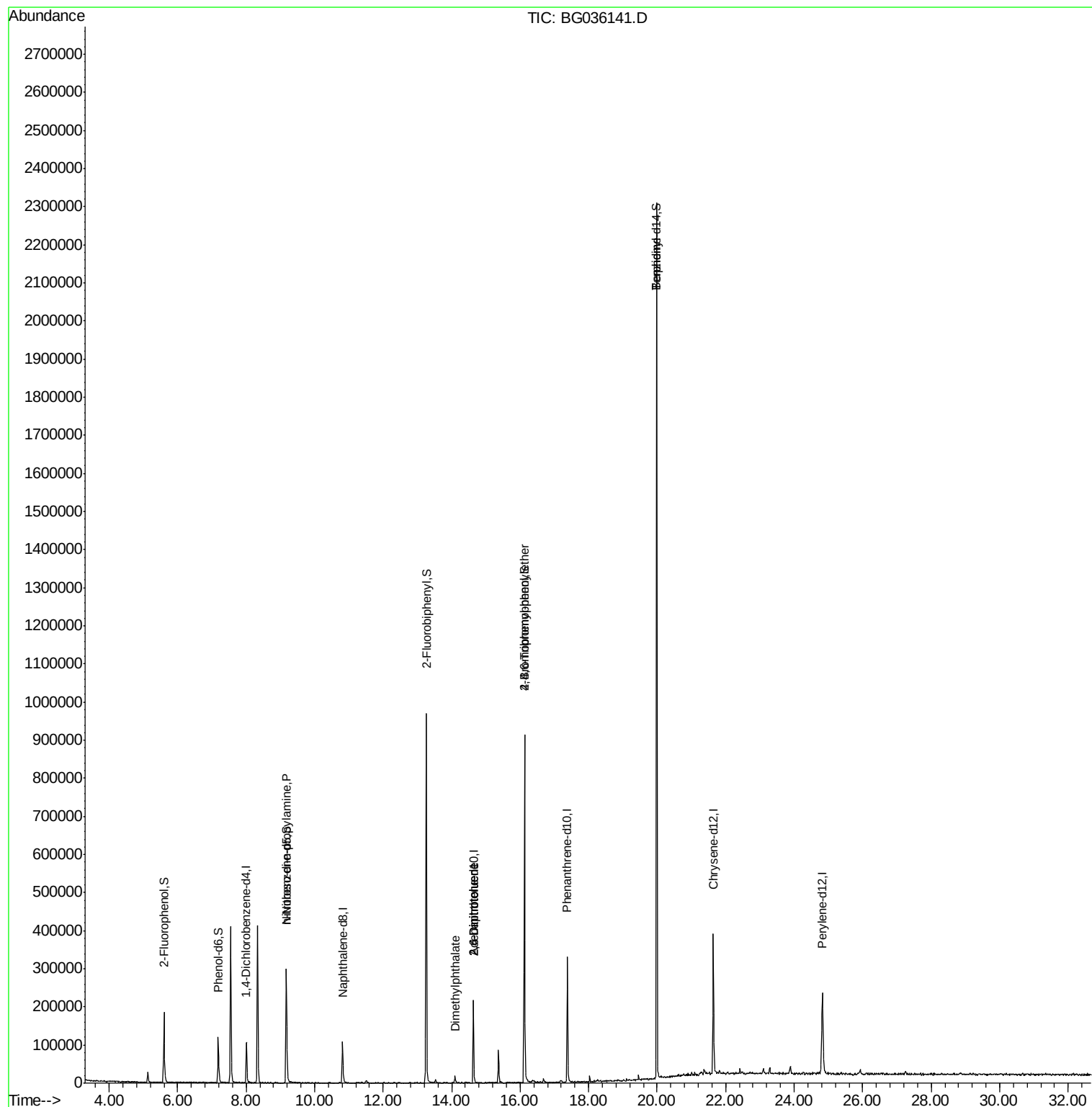
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30560	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	107894	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	78204	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	223539	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	248701	20.00	ng	-0.02
86) Perylene-d12	24.83	264	240398	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	95701	51.99	ng	0.00
7) Phenol-d6	7.18	99	81719	29.76	ng	-0.01
23) Nitrobenzene-d5	9.17	82	225561	87.33	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	181691	176.27	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	546321	93.59	ng	-0.02
78) Terphenyl-d14	19.98	244	1093721	96.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	30275	13.091	ng	# 66
49) Dimethylphthalate	14.10	163	16102	2.350	ng	# 97
50) 2,6-Dinitrotoluene	14.63	165	9838	7.051	ng	# 20
56) 2,4-Dinitrotoluene	14.63	165	9838	4.915	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	13795	5.319	ng	# 1
76) Benzidine	19.98	184	19033	2.911	ng	# 92

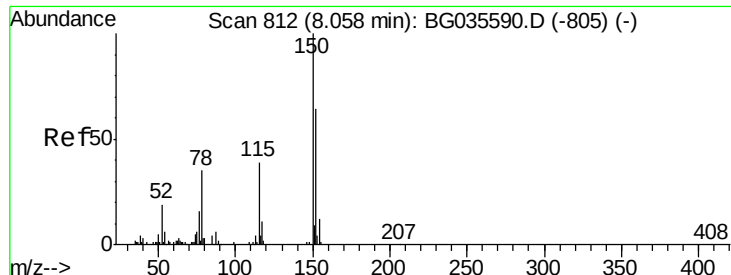
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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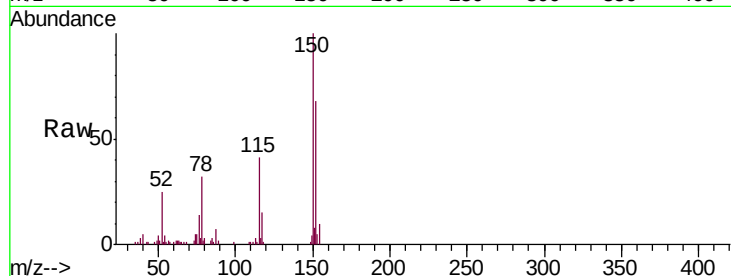


#1

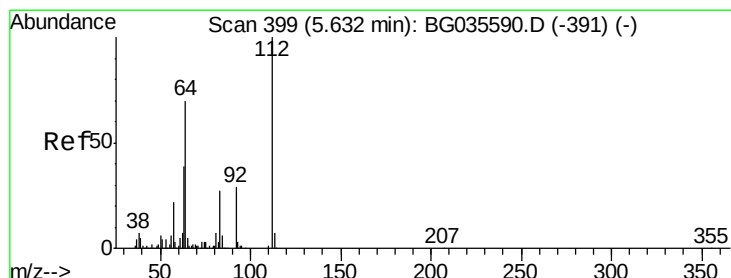
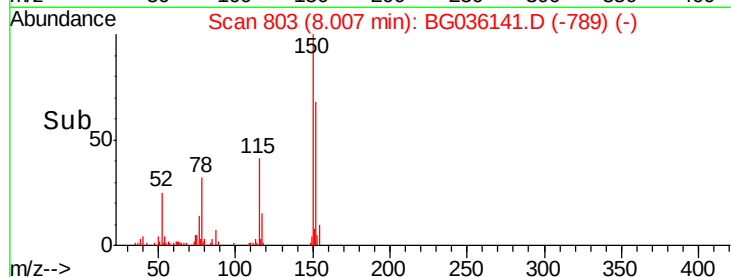
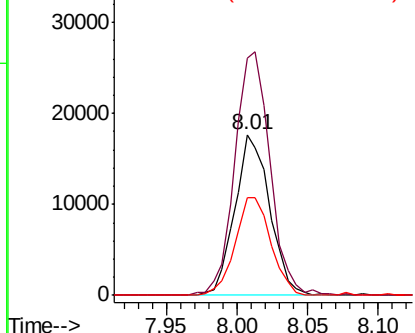
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 30560
Ion Ratio Lower Upper
152 100
150 147.6 126.6 189.8
115 60.6 53.0 79.4



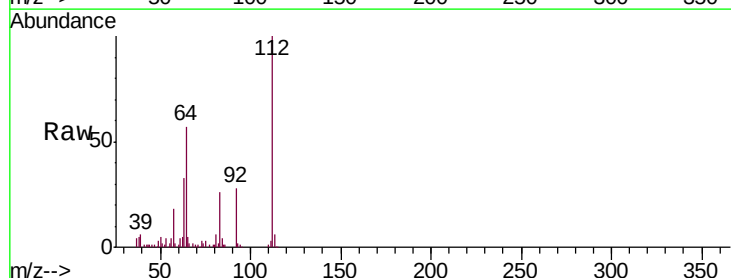
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



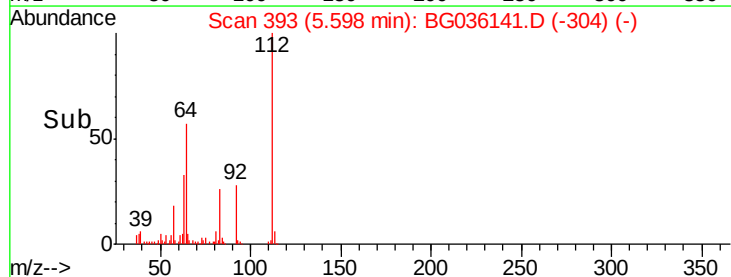
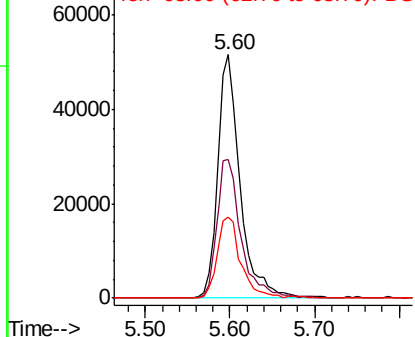
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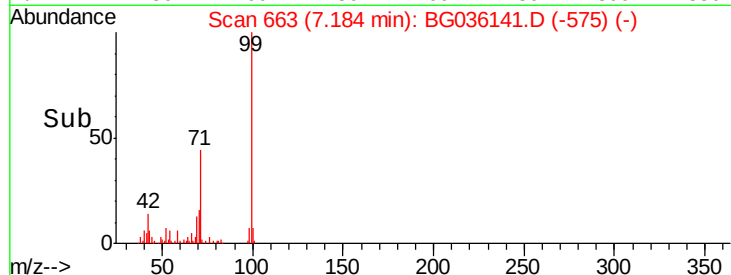
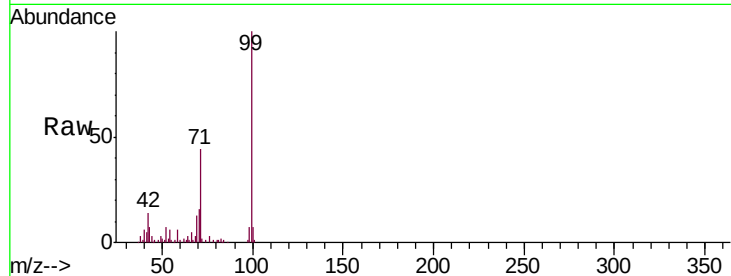
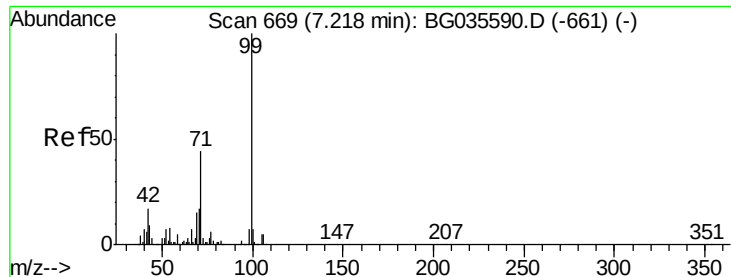
2-Fluorophenol
Concen: 51.992 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Tgt Ion:112 Resp: 95701
Ion Ratio Lower Upper
112 100
64 56.7 56.3 84.5
63 33.1 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: 29.756 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036141.D

Acq: 7 Aug 2018 00:01

Instrument :

BNA_G

ClientSampled :

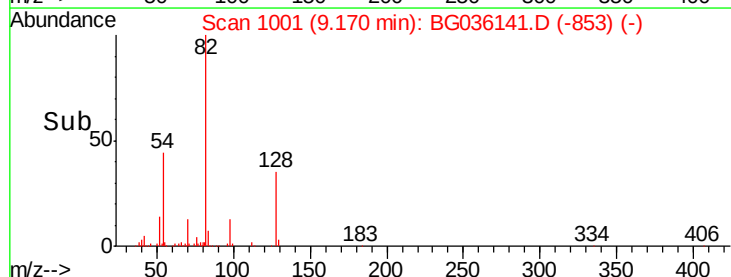
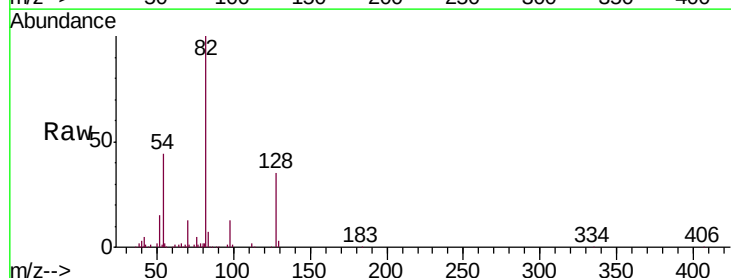
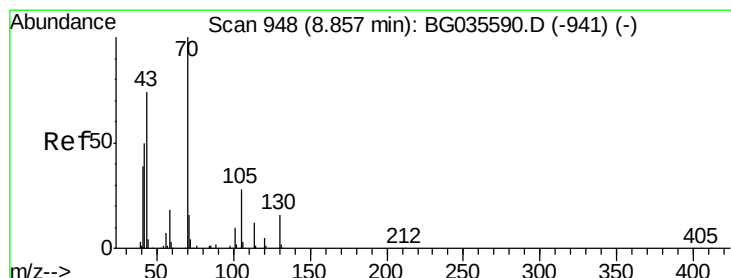
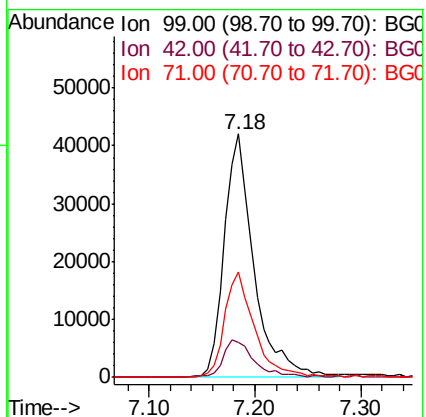
Tgt Ion: 99 Resp: 81719

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

71 43.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.091 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036141.D

Acq: 7 Aug 2018 00:01

Tgt Ion: 70 Resp: 30275

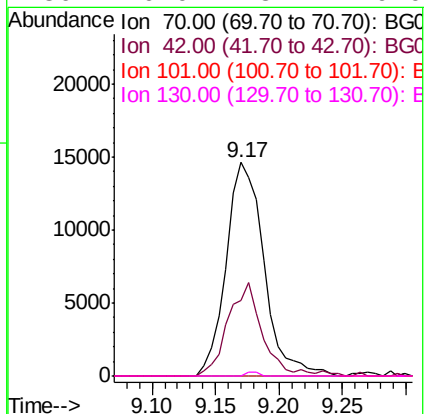
Ion Ratio Lower Upper

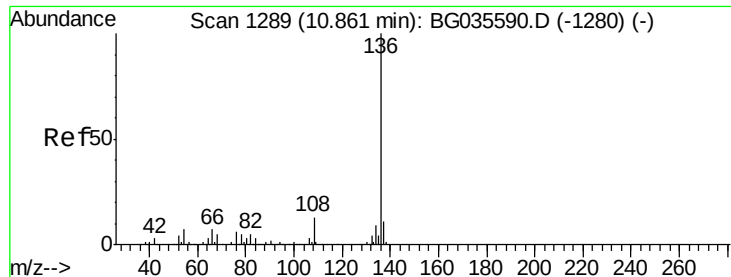
70 100

42 35.2 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

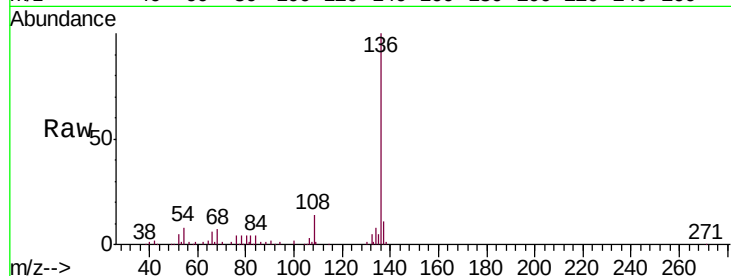




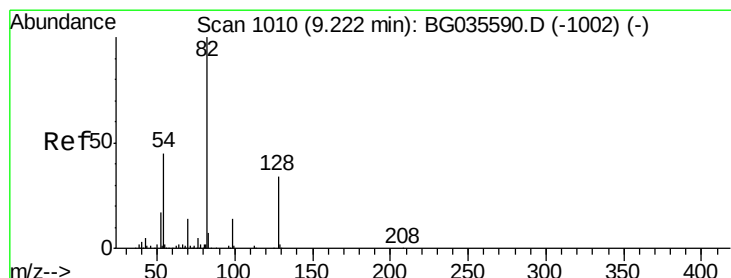
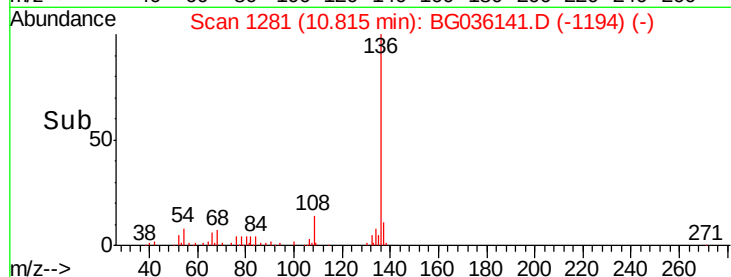
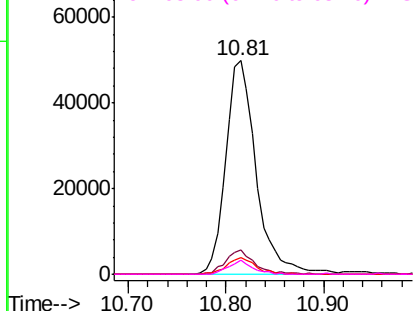
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	107894
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.0	10.3	15.5#
68	6.8	4.5	6.7#

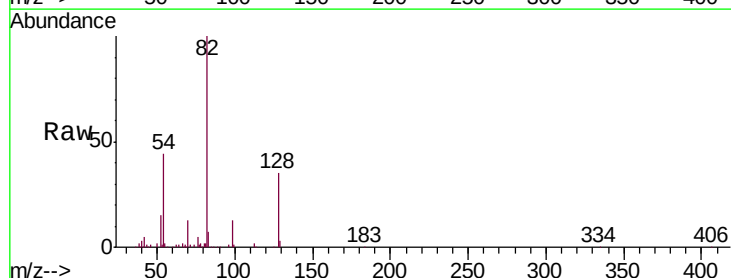


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

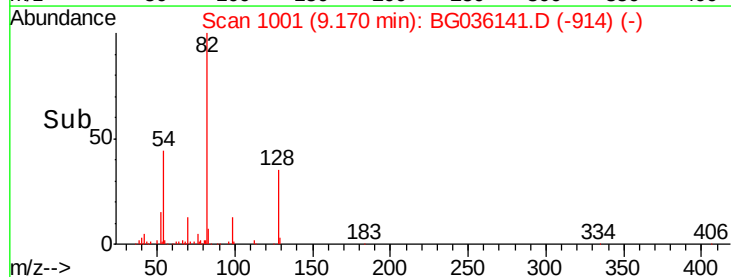
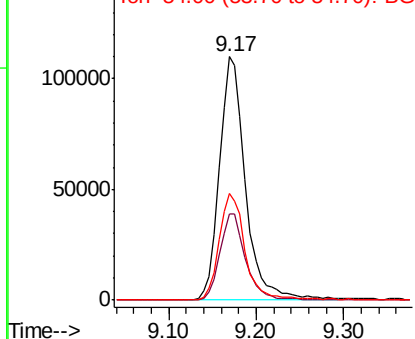


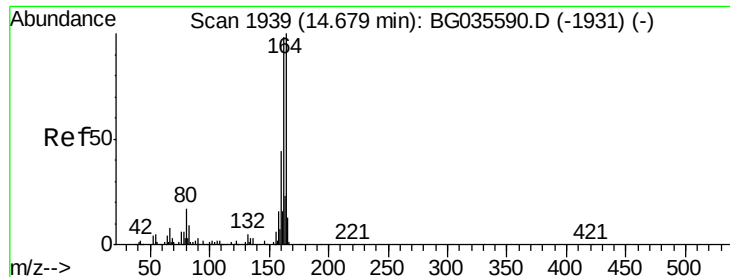
#23
Nitrobenzene-d5
Concen: 87.333 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Tgt Ion:	82	Resp:	225561
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	43.6	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036141.D

Acq: 7 Aug 2018 00:01

Instrument :

BNA_G

ClientSampleId :

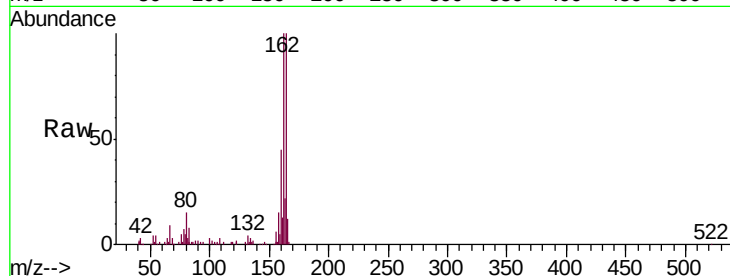
Tgt Ion:164 Resp: 78204

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

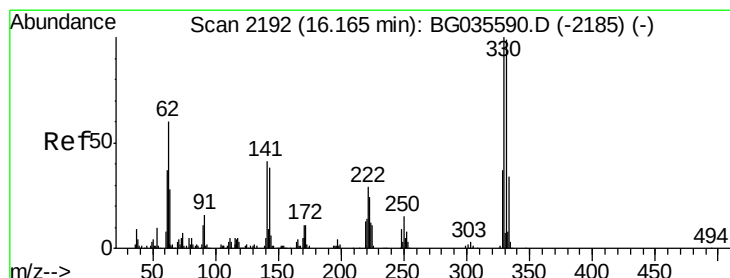
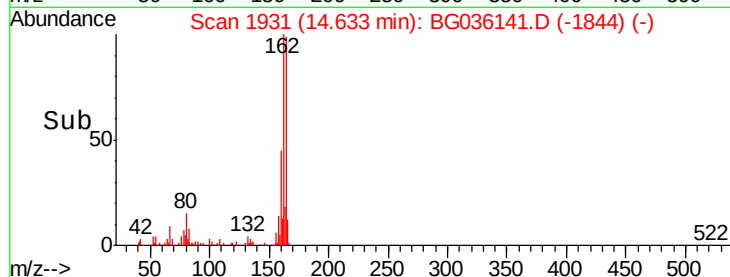
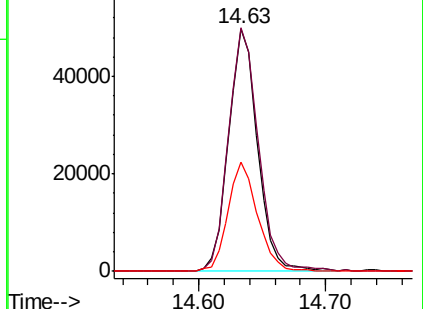
160 45.0 35.4 53.0



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: 176.266 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036141.D

Acq: 7 Aug 2018 00:01

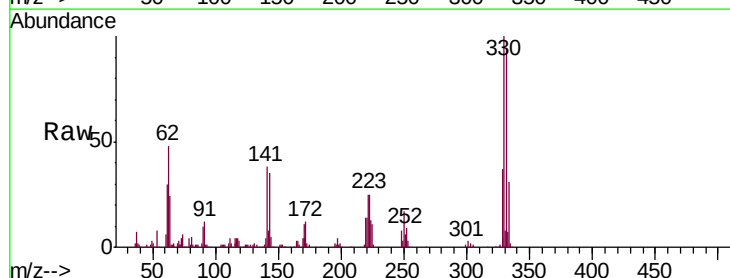
Tgt Ion:330 Resp: 181691

Ion Ratio Lower Upper

330 100

332 92.6 77.0 115.6

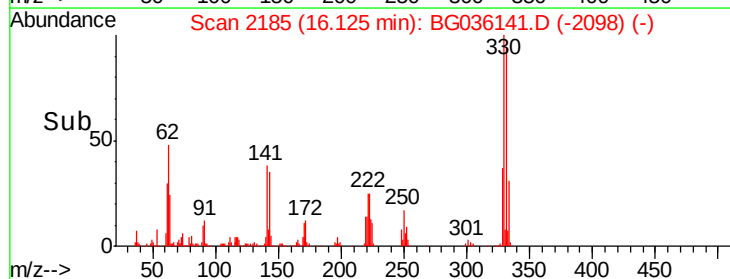
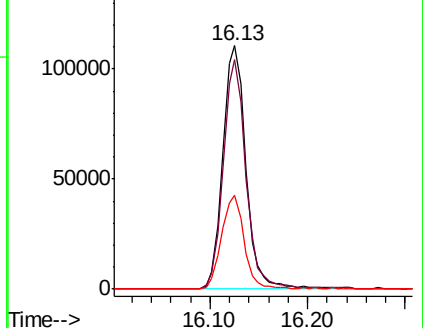
141 37.6 25.2 37.8

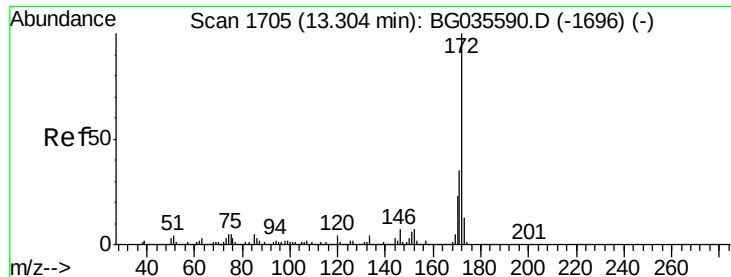


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

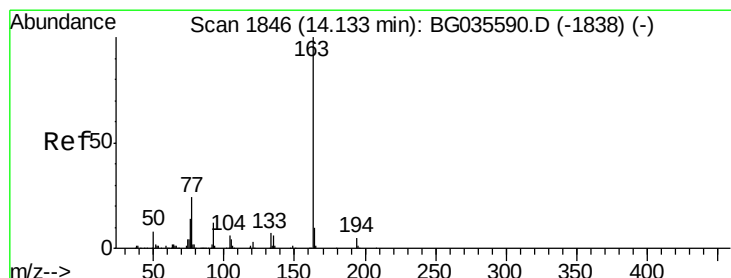
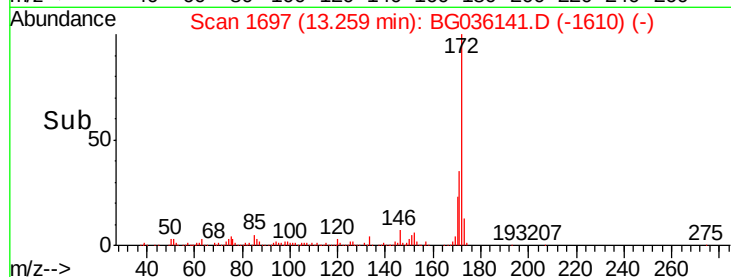
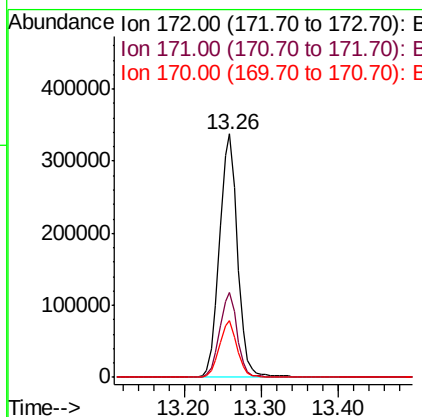
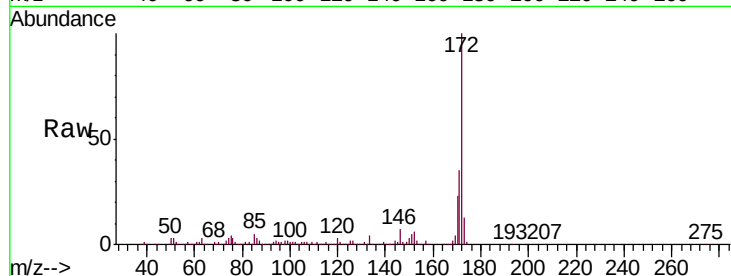




#44
2-Fluorobiphenyl
Concen: 93.592 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

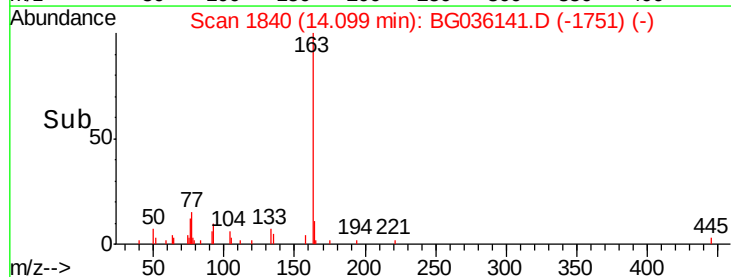
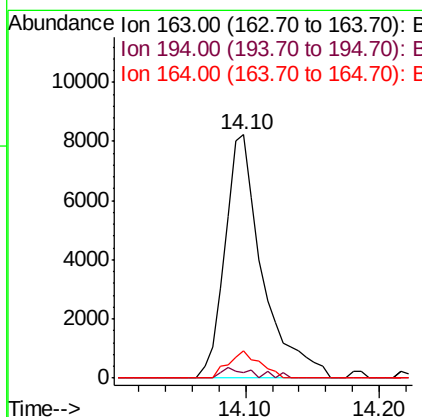
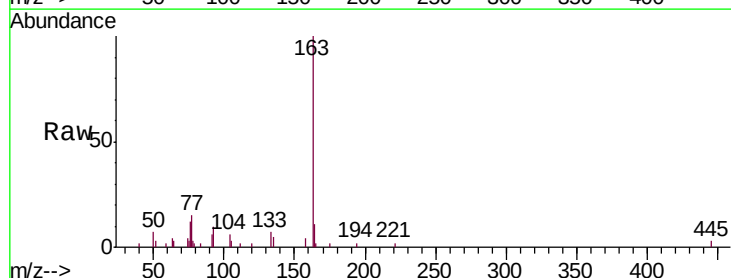
Instrument :
BNA_G
ClientSampleId :

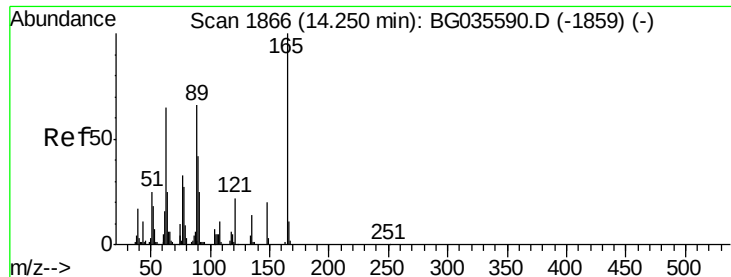
Tgt Ion:172 Resp: 546321
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 23.4 19.5 29.3



#49
Dimethylphthalate
Concen: 2.350 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Tgt Ion:163 Resp: 16102
Ion Ratio Lower Upper
163 100
194 2.1 3.4 5.2#
164 11.1 8.2 12.4

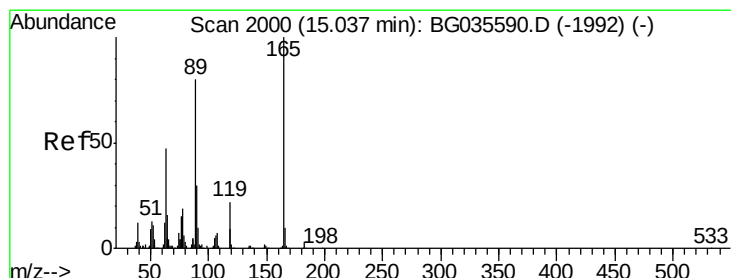
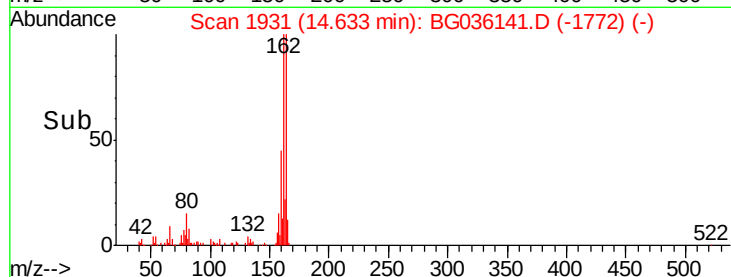
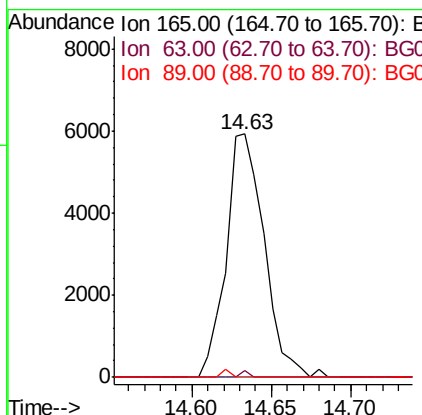
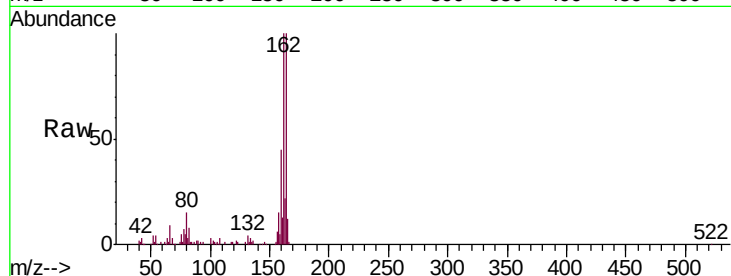




#50
2,6-Dinitrotoluene
Concen: 7.051 ng
RT: 14.63 min Scan# 1931
Delta R.T. 0.41 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

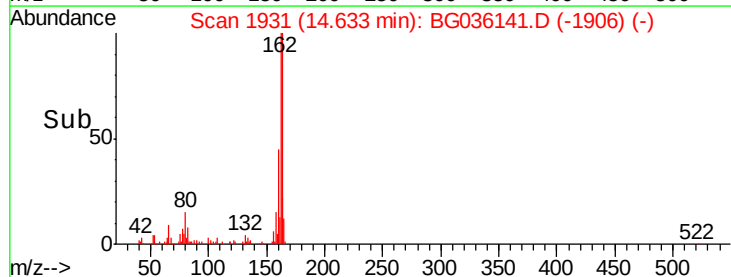
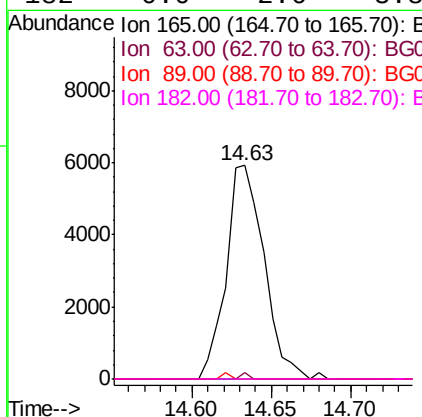
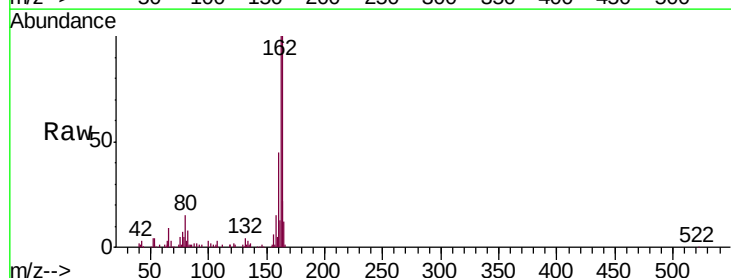
Instrument :
BNA_G
ClientSampleId :

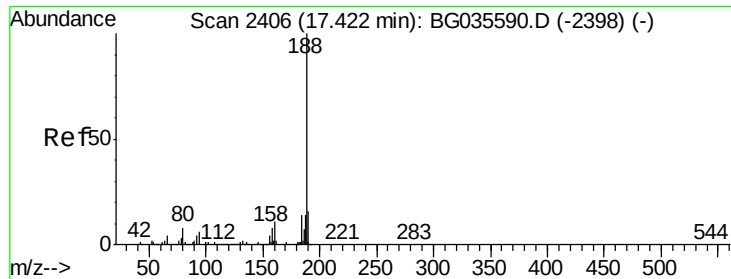
Tgt Ion:165 Resp: 9838
Ion Ratio Lower Upper
165 100
63 3.1 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.915 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Tgt Ion:165 Resp: 9838
Ion Ratio Lower Upper
165 100
63 3.1 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

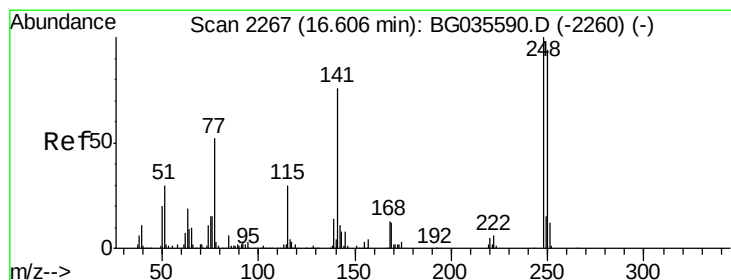
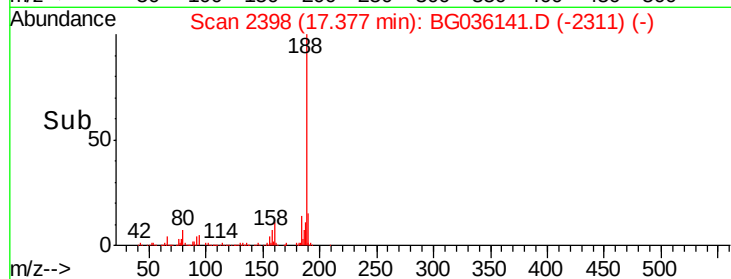
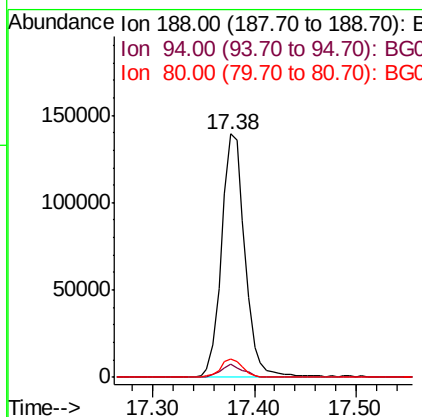
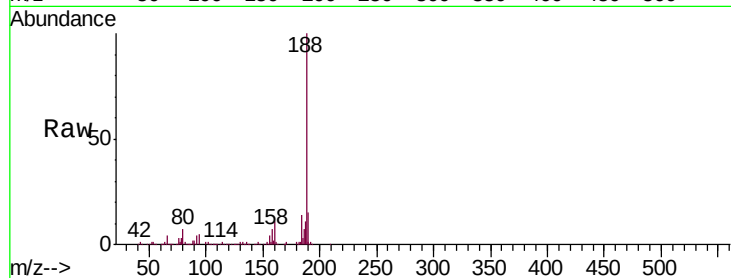




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

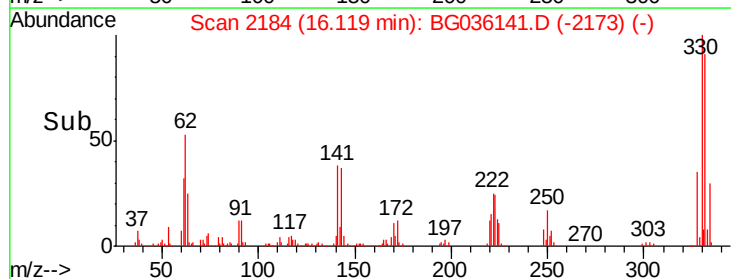
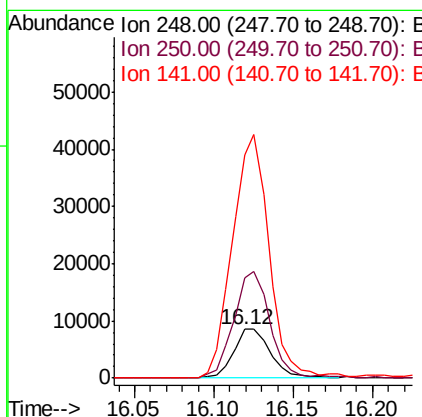
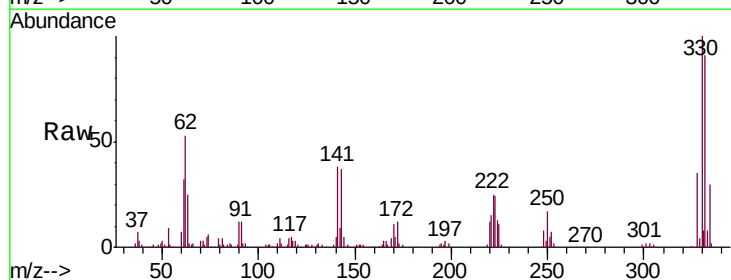
Instrument :
BNA_G
ClientSampleId :

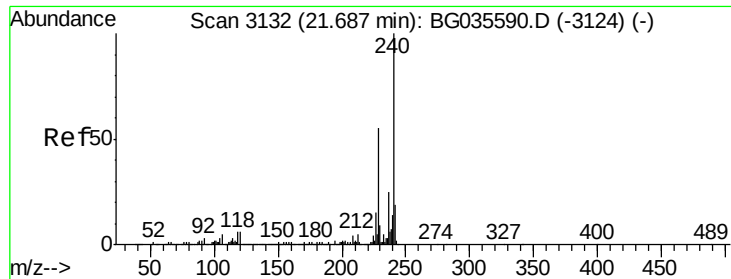
Tgt Ion:188 Resp: 223539
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 7.3 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.319 ng
RT: 16.12 min Scan# 2184
Delta R.T. -0.46 min
Lab File: BG036141.D
Acq: 7 Aug 2018 00:01

Tgt Ion:248 Resp: 13795
Ion Ratio Lower Upper
248 100
250 206.0 77.1 115.7#
141 456.1 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036141.D

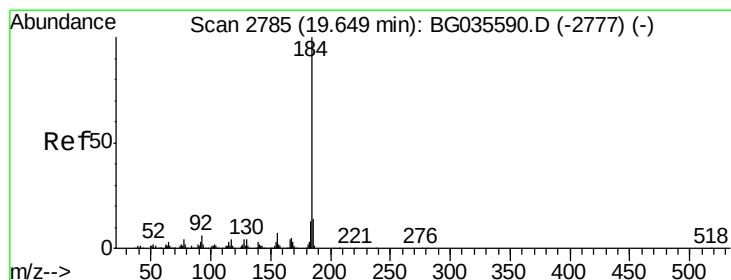
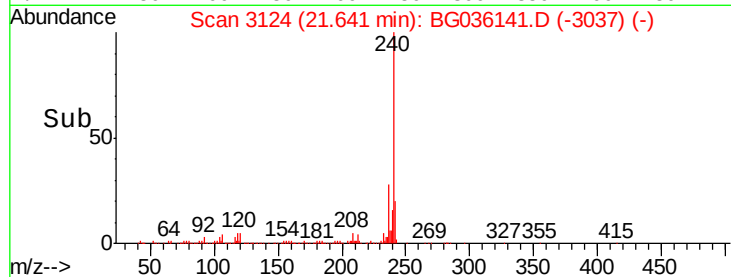
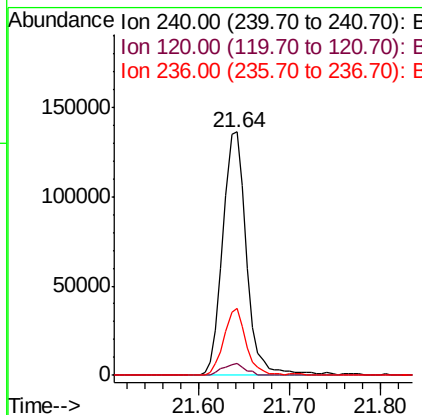
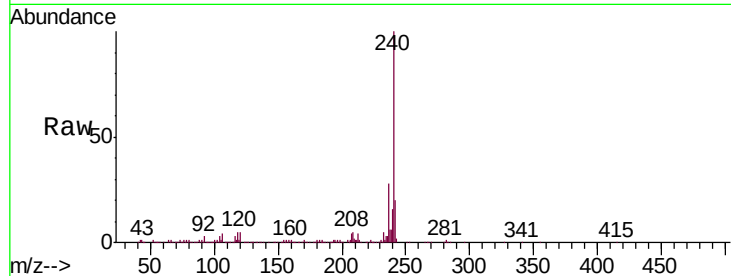
Acq: 7 Aug 2018 00:01

Instrument :

BNA_G

ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.7	6.8	10.2#
236	27.5	20.9	31.3



#76

Benzidine

Concen: 2.911 ng

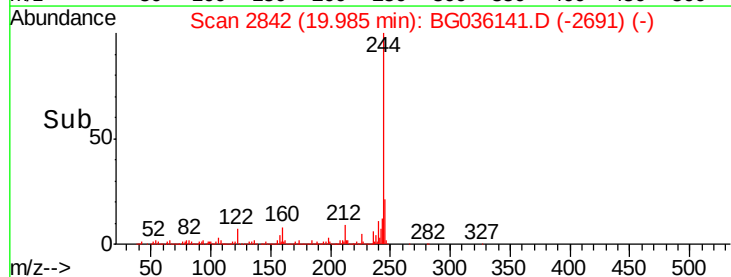
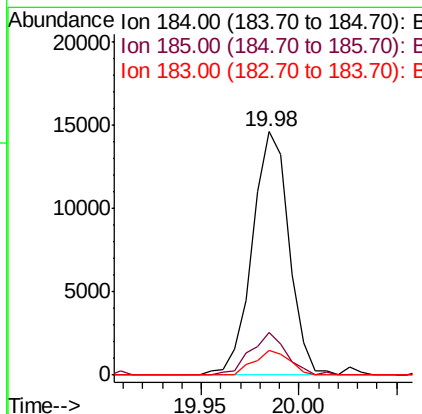
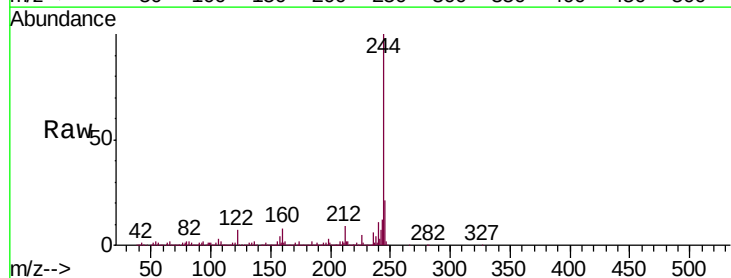
RT: 19.98 min Scan# 2842

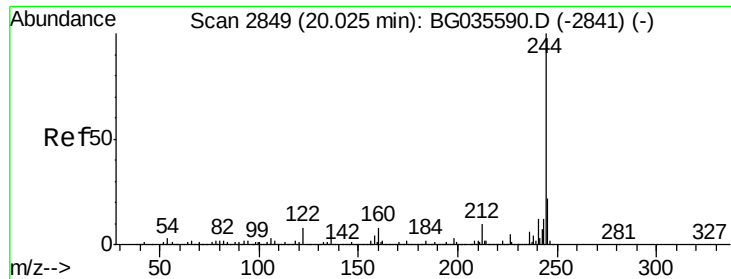
Delta R.T. 0.36 min

Lab File: BG036141.D

Acq: 7 Aug 2018 00:01

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.4	11.1	16.7#
183	10.0	10.6	16.0#

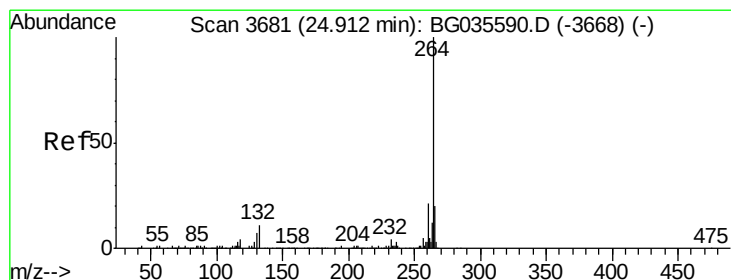
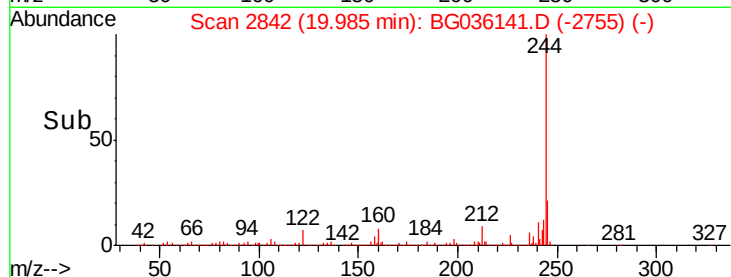
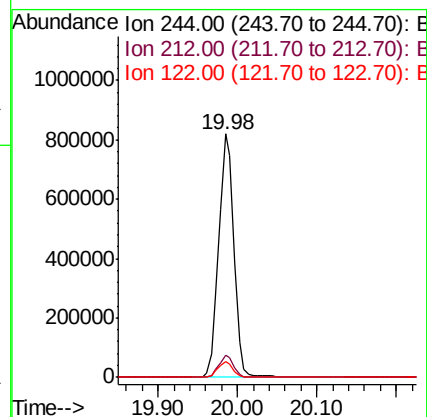
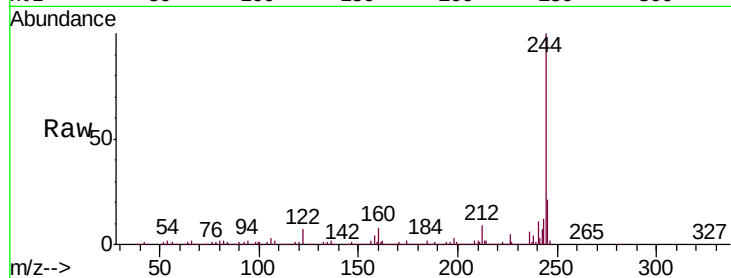




#78
 Terphenyl-d14
 Concen: 96.939 ng
 RT: 19.98 min Scan# 2842
 Delta R.T. -0.02 min
 Lab File: BG036141.D
 Acq: 7 Aug 2018 00:01

Instrument :
 BNA_G
 ClientSampleID :

Tgt Ion:244 Resp: 1093721
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.8 8.8#
 122 6.6 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3666
 Delta R.T. -0.04 min
 Lab File: BG036141.D
 Acq: 7 Aug 2018 00:01

Tgt Ion:264 Resp: 240398
 Ion Ratio Lower Upper
 264 100
 260 23.7 17.4 26.0
 265 18.5 17.7 26.5

