

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080118\
 Data File : BG036041.D
 Acq On : 1 Aug 2018 19:51
 Operator : JU/SJ
 Sample : J4256-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 02 08:23:21 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

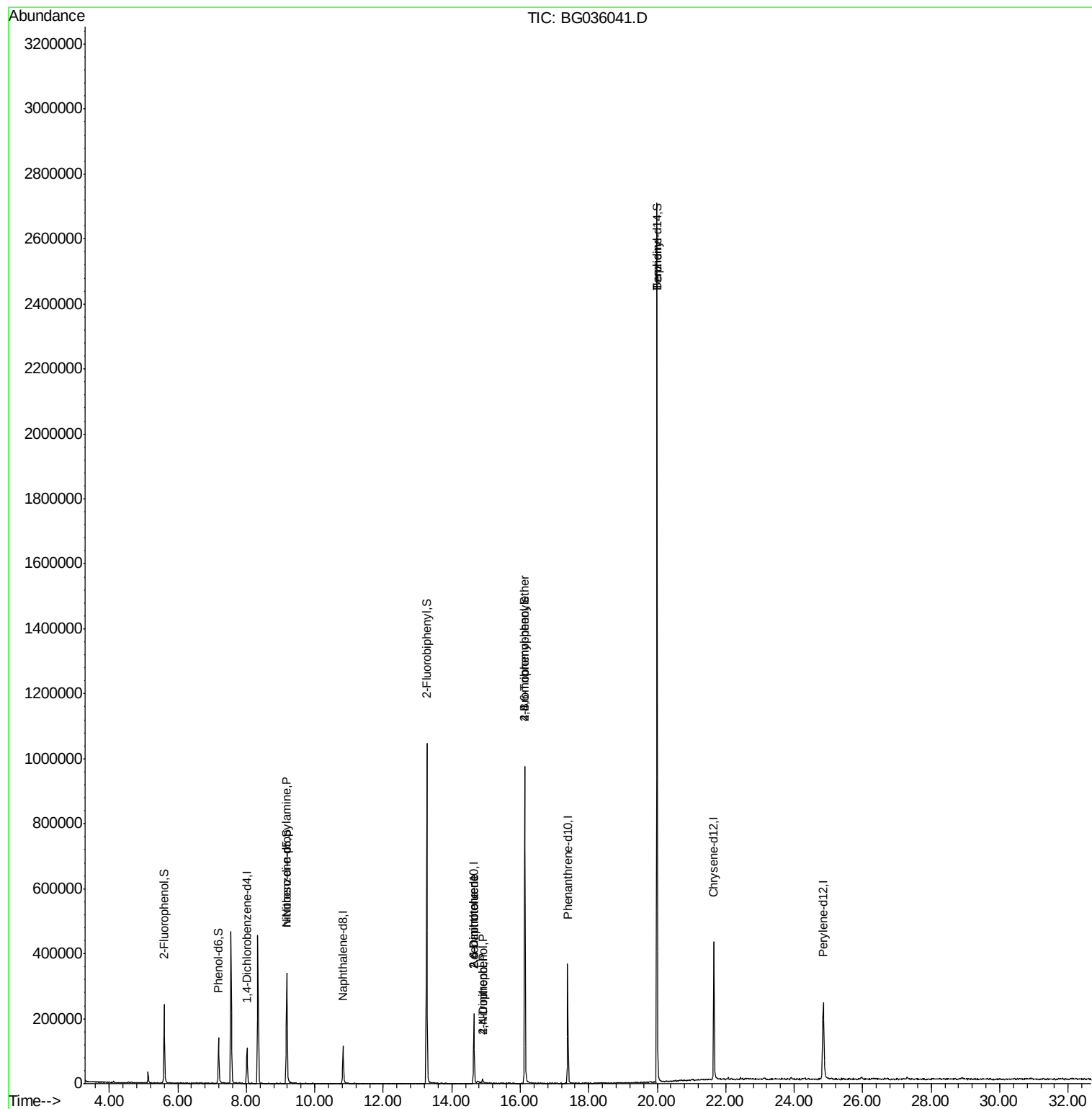
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	31961	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	112489	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	82834	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	246287	20.00	ng	0.00
75) Chrysene-d12	21.65	240	291266	20.00	ng	0.00
86) Perylene-d12	24.85	264	276720	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	113458	58.94	ng	0.00
7) Phenol-d6	7.19	99	95268	33.17	ng	0.00
23) Nitrobenzene-d5	9.18	82	249578	92.69	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	189010	173.12	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	586885	94.92	ng	0.00
78) Terphenyl-d14	19.99	244	1301459	98.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	35933	14.857	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	10975	7.426	ng	# 20
53) 2,4-Dinitrophenol	14.90	184	87	6.687	ng	# 1
55) 4-Nitrophenol	14.90	139	4236	3.938	ng	# 1
56) 2,4-Dinitrotoluene	14.64	165	10975	5.176	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	14666	5.133	ng	# 1
76) Benzidine	19.99	184	22497	2.938	ng	# 93

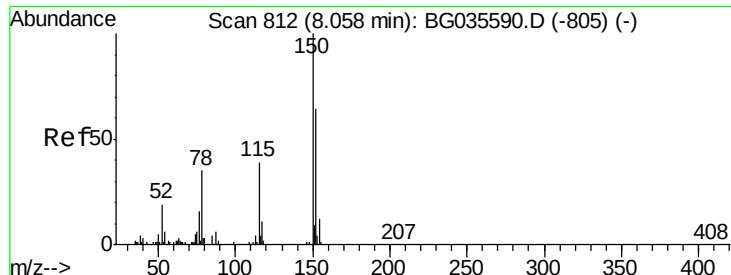
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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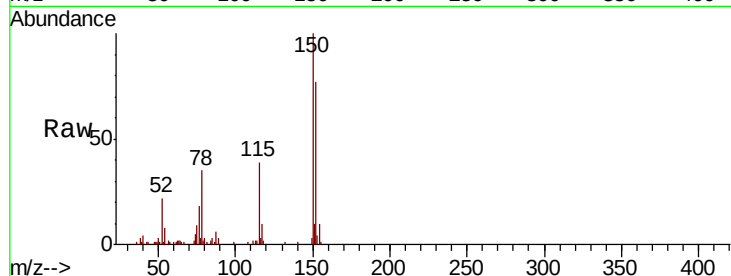


#1

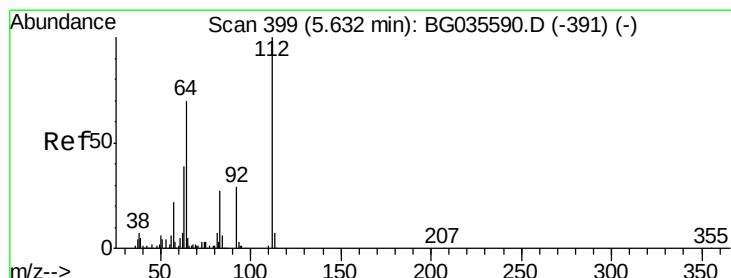
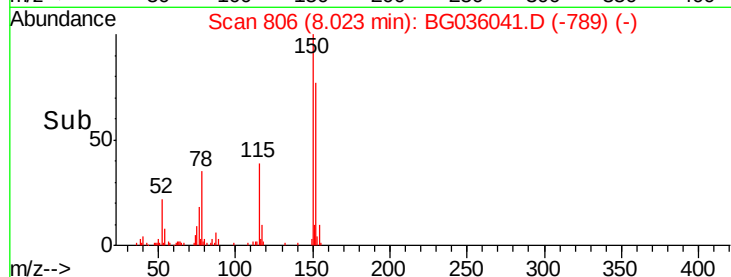
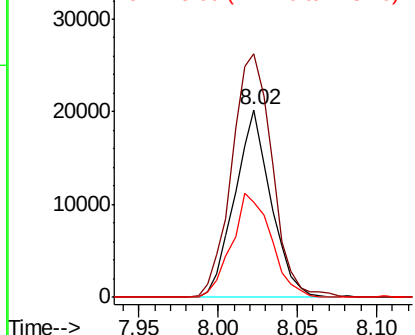
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31961
Ion Ratio Lower Upper
152 100
150 129.9 126.6 189.8
115 50.6 53.0 79.4#



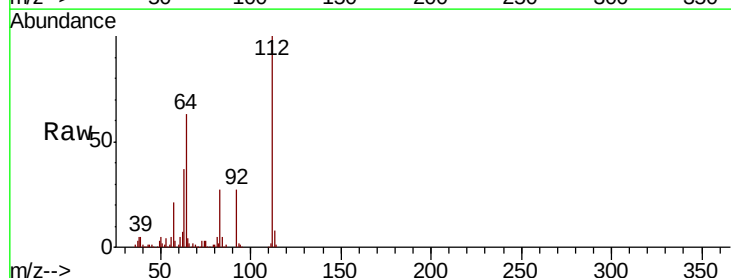
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



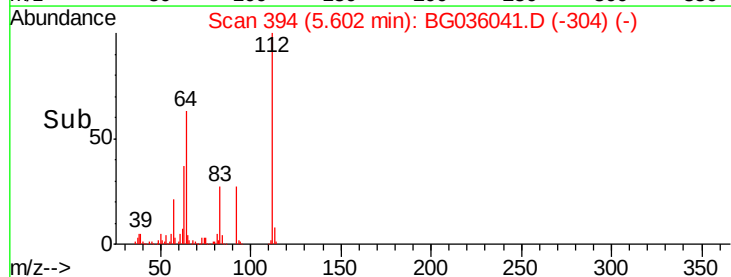
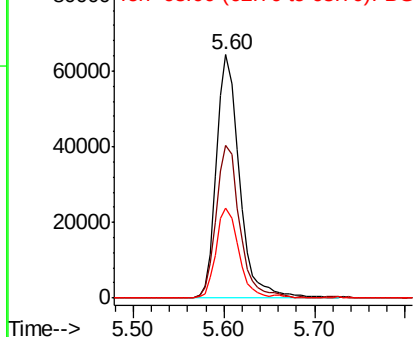
#5

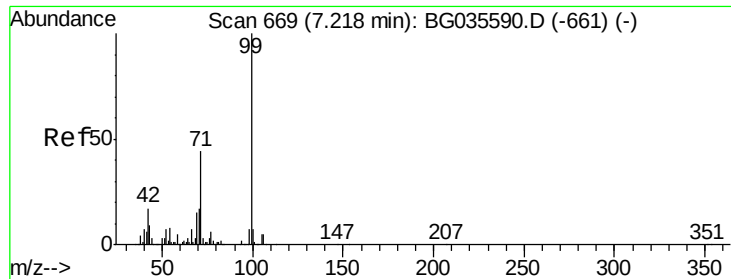
2-Fluorophenol
Concen: 58.936 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Tgt Ion:112 Resp: 113458
Ion Ratio Lower Upper
112 100
64 63.0 56.3 84.5
63 37.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 33.169 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036041.D

Acq: 1 Aug 2018 19:51

Instrument :

BNA_G

ClientSampleId :

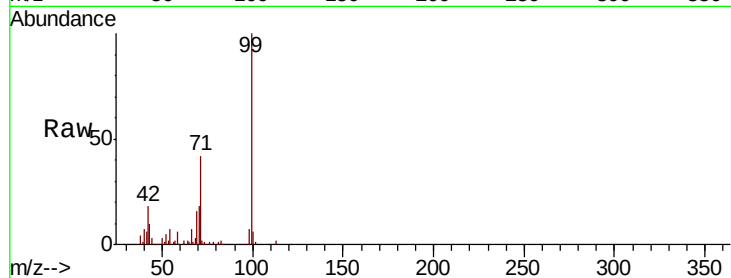
Tot Ion: 99 Resp: 95268

Ion Ratio Lower Upper

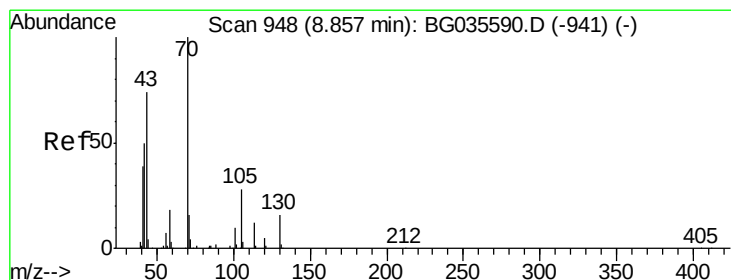
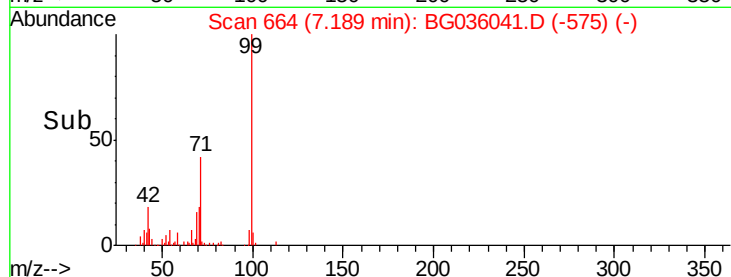
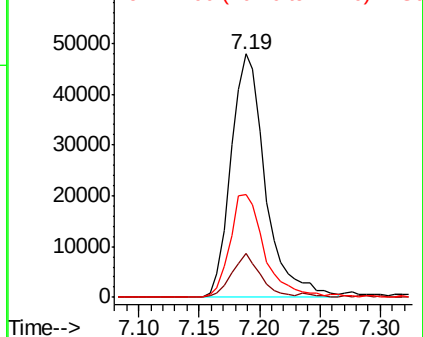
99 100

42 18.1 14.1 21.1

71 42.0 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: 14.857 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036041.D

Acq: 1 Aug 2018 19:51

Tgt Ion: 70 Resp: 35933

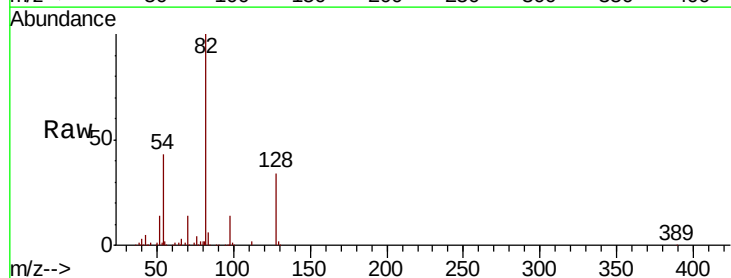
Ion Ratio Lower Upper

70 100

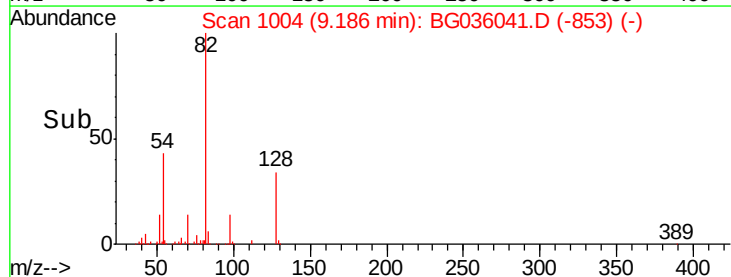
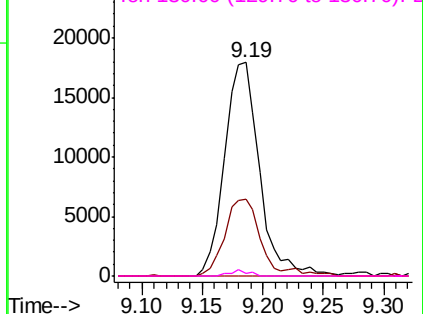
42 36.0 49.1 73.7#

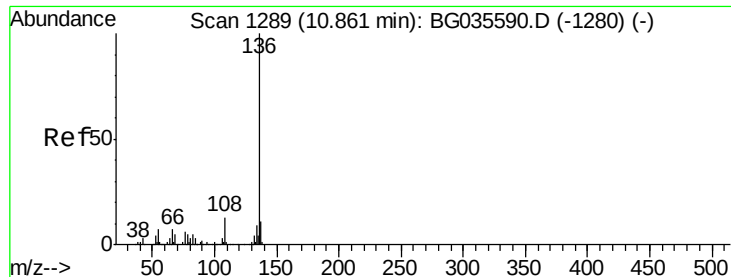
101 0.0 8.5 12.7#

130 1.4 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

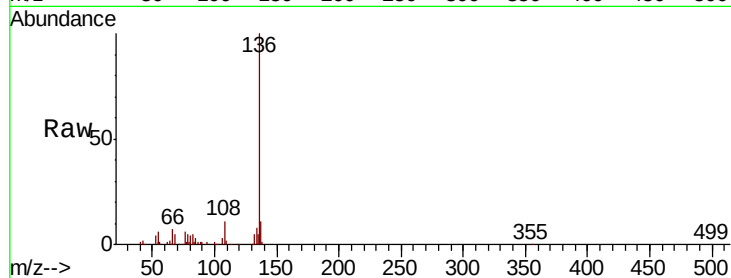




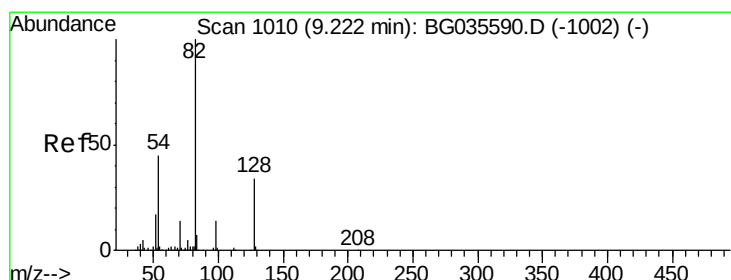
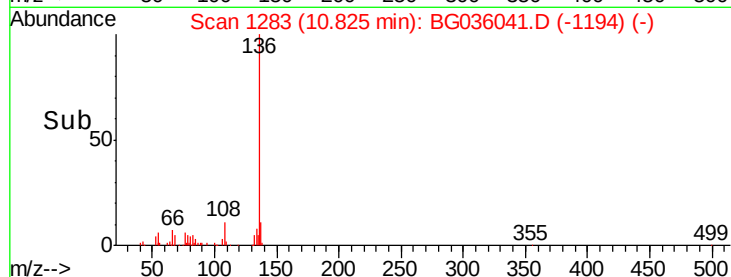
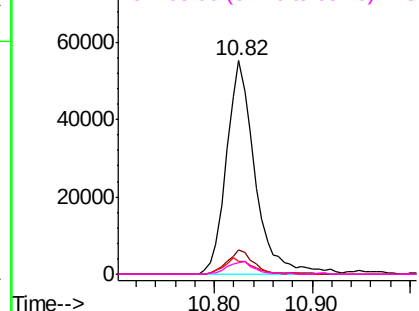
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	112489
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.2 13.8
54	6.2	10.3 15.5#
68	5.4	4.5 6.7

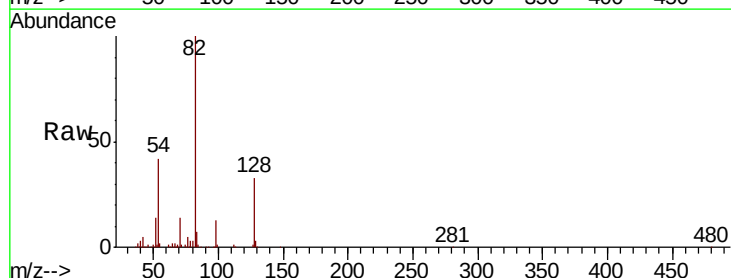


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

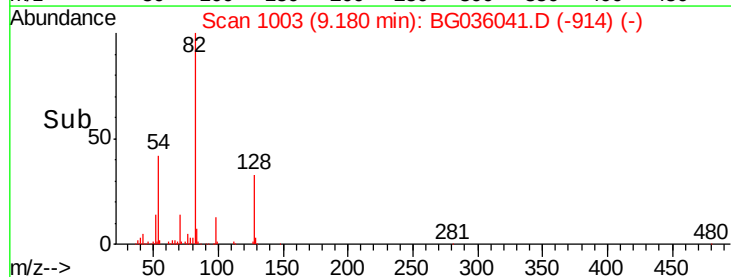
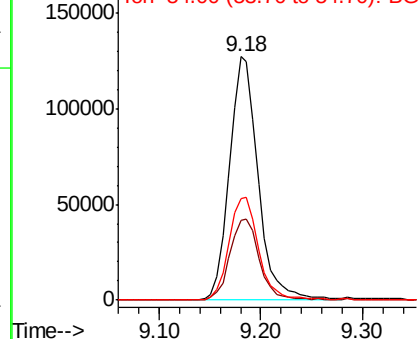


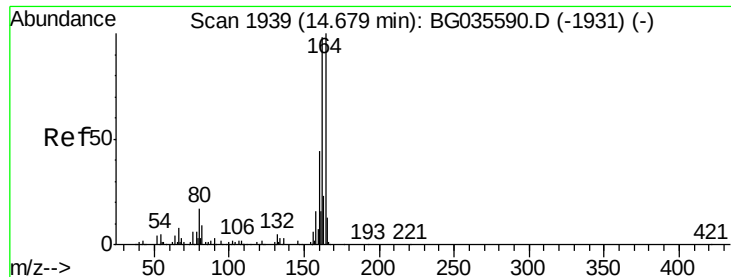
#23
Nitrobenzene-d5
Concen: 92.685 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Tgt Ion: 82	Resp:	249578
Ion	Ratio	Lower Upper
82	100	
128	32.8	29.7 44.5
54	41.8	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: BG036041.D

Acq: 1 Aug 2018 19:51

Instrument :

BNA_G

ClientSampleId :

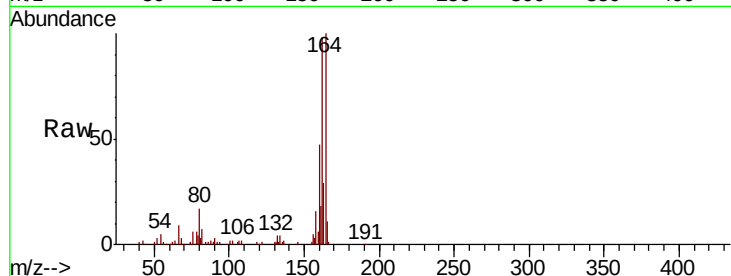
Tot Ion:164 Resp: 82834

Ion Ratio Lower Upper

164 100

162 98.1 78.8 118.2

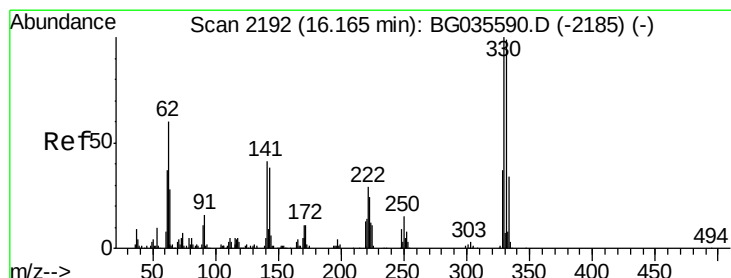
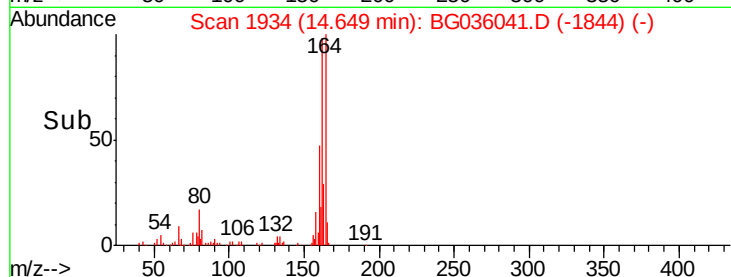
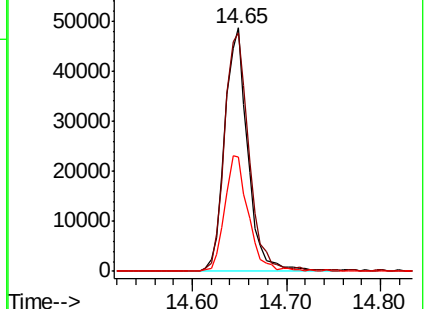
160 47.2 35.4 53.0



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: 173.117 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036041.D

Acq: 1 Aug 2018 19:51

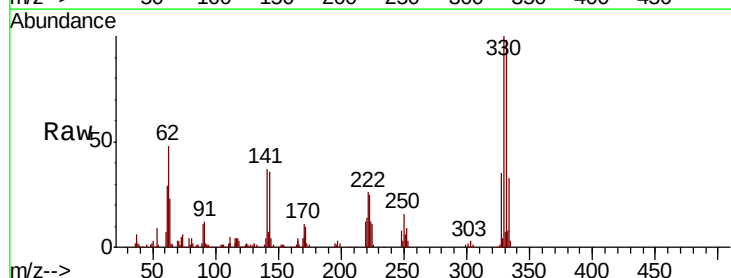
Tgt Ion:330 Resp: 189010

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

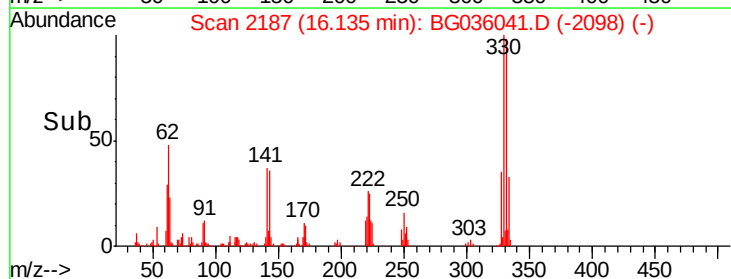
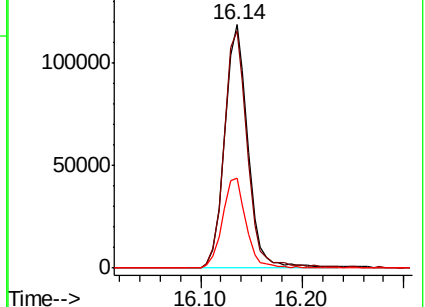
141 37.7 25.2 37.8

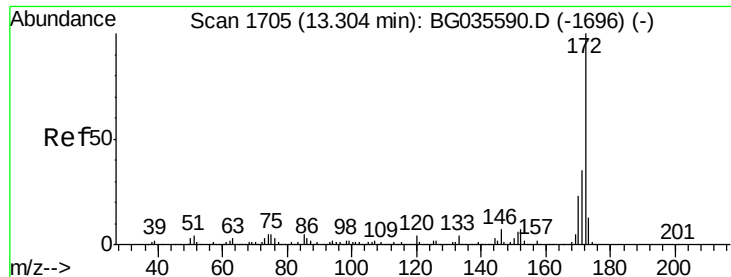


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

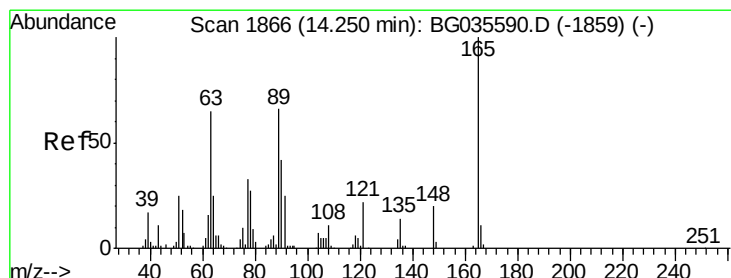
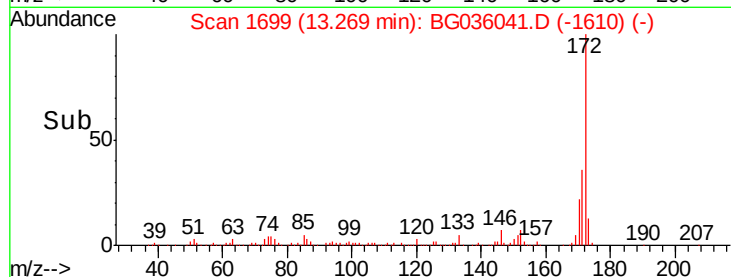
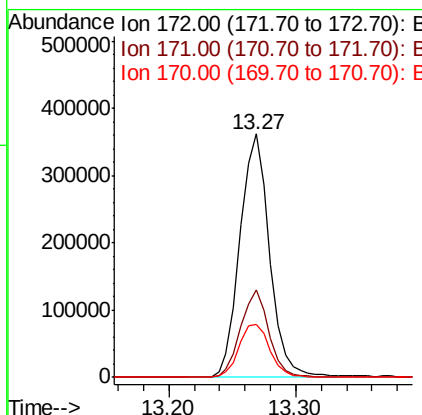
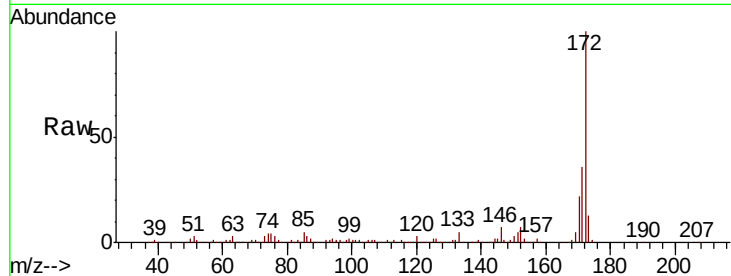




#44
 2-Fluorobiphenyl
 Concen: 94.922 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

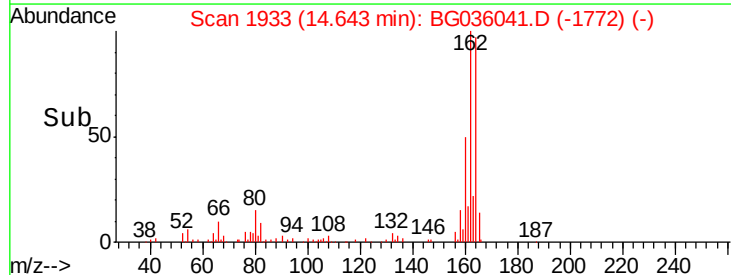
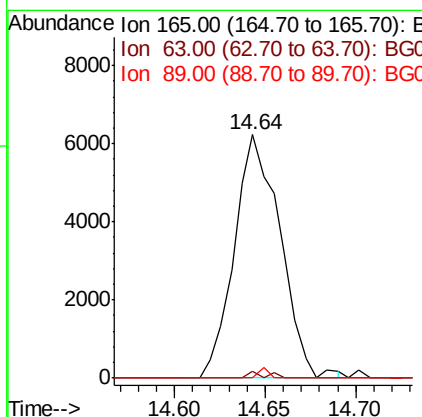
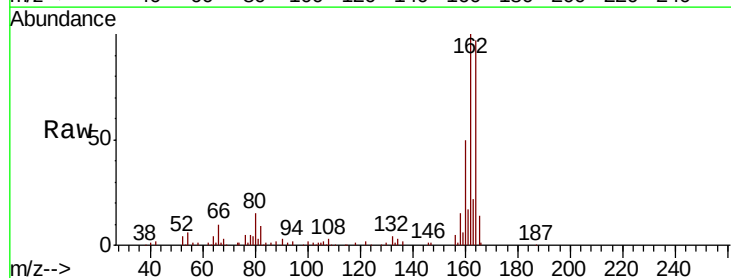
Instrument :
 BNA_G
 ClientSampled :

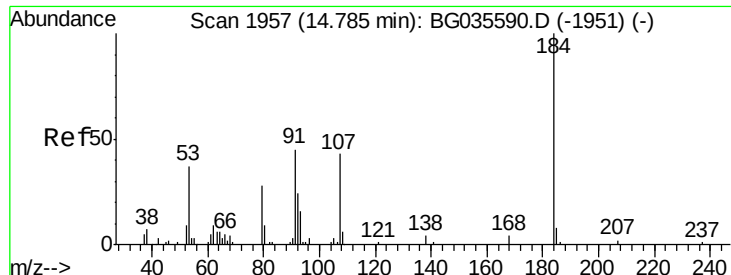
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	21.9	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.426 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	52.7	79.1#
89	0.0	49.2	73.8#

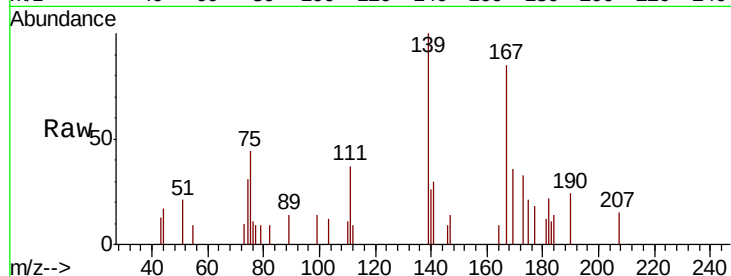




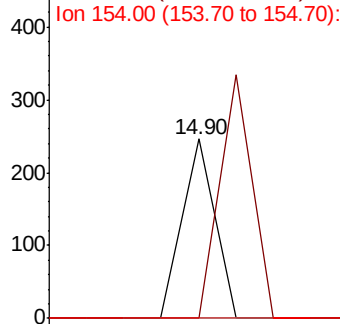
#53
 2,4-Dinitrophenol
 Concen: 6.687 ng
 RT: 14.90 min Scan# 1976
 Delta R.T. 0.13 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :

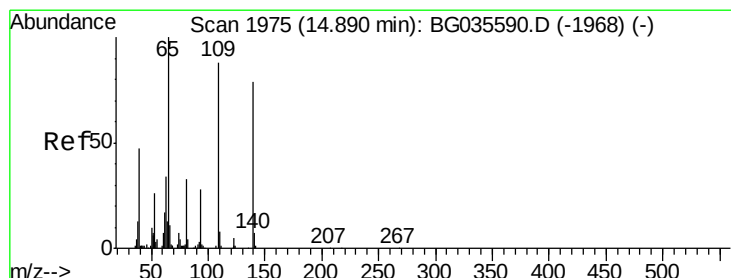
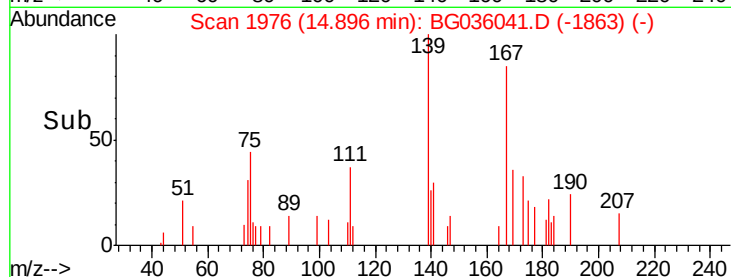
Tot Ion:184 Resp: 87
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

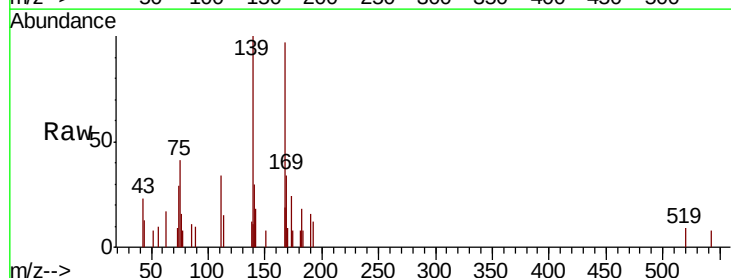


Time-->

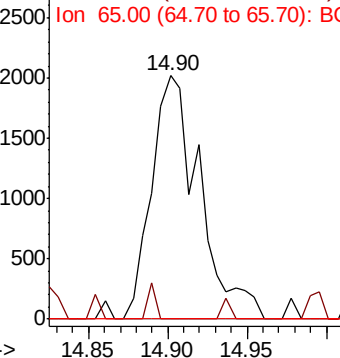


#55
 4-Nitrophenol
 Concen: 3.938 ng
 RT: 14.90 min Scan# 1977
 Delta R.T. 0.03 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

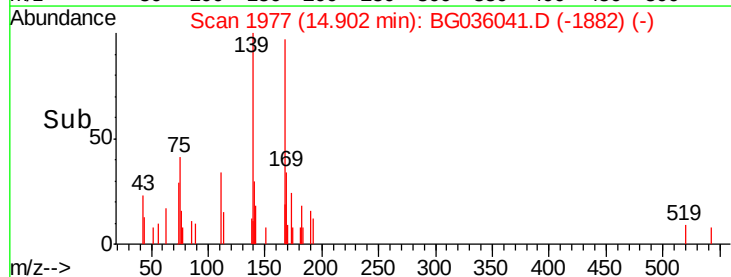
Tgt Ion:139 Resp: 4236
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

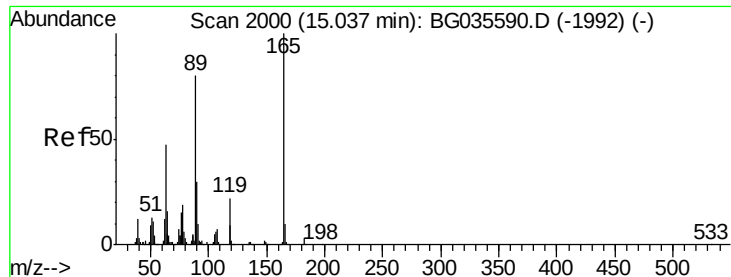


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BG



Time-->

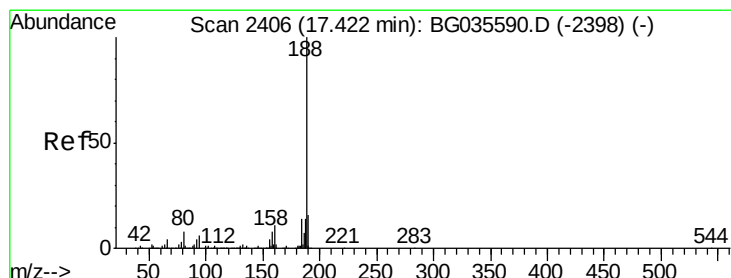
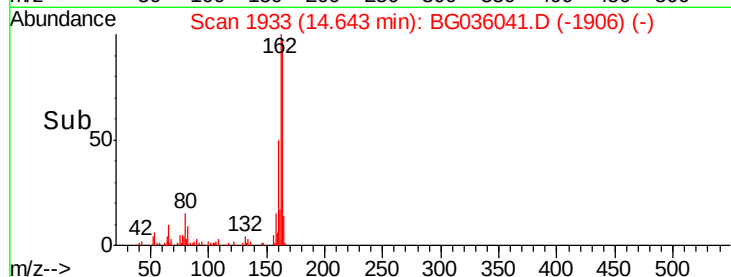
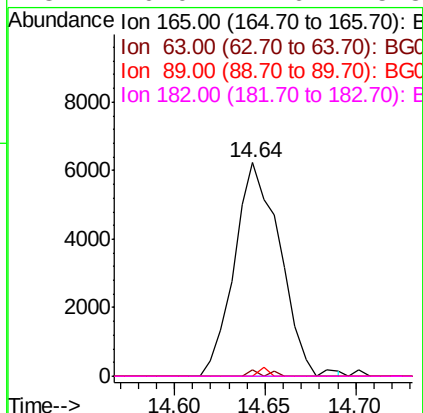
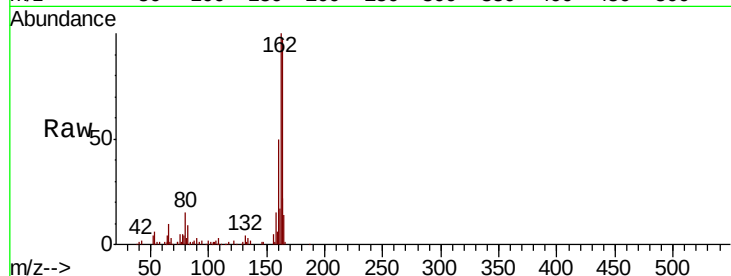




#56
2,4-Dinitrotoluene
Concen: 5.176 ng
RT: 14.64 min Scan# 1933
Delta R.T. -0.37 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

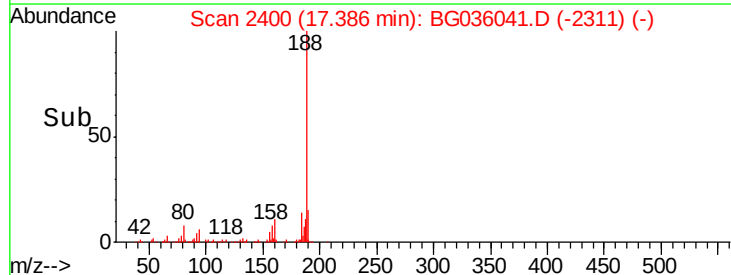
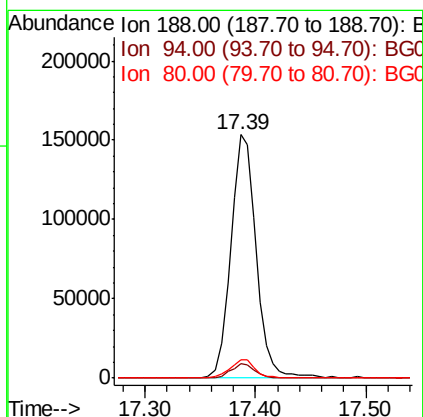
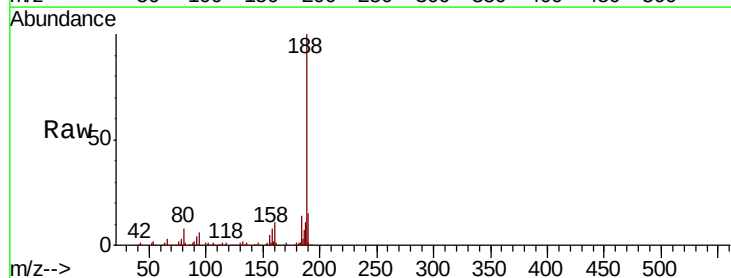
Instrument :
BNA_G
ClientSampleId :

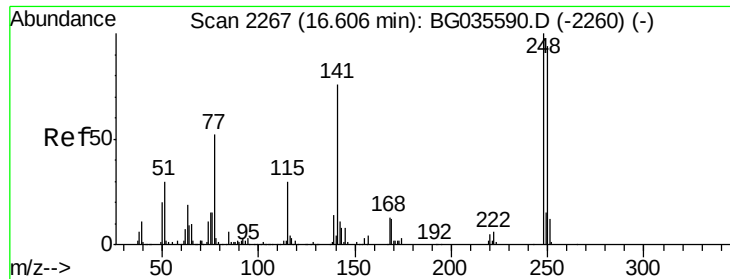
Tot Ion:165 Resp: 10975
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Tgt Ion:188 Resp: 246287
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 7.6 7.7 11.5#

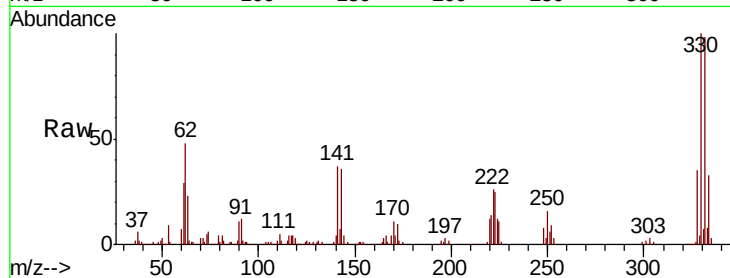




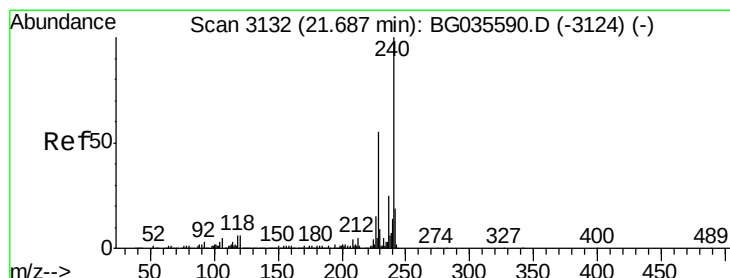
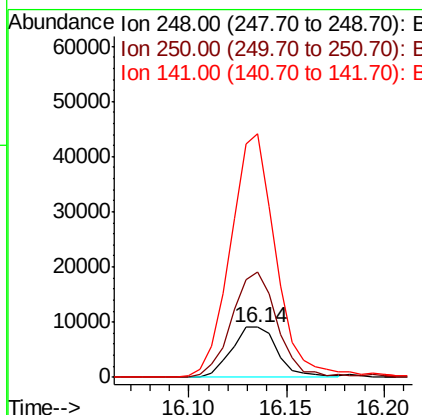
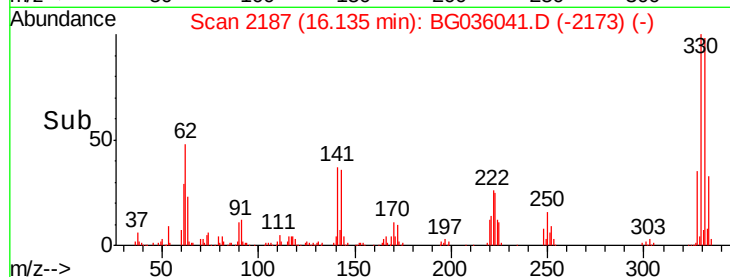
#66
 4-Bromophenyl-phenylether
 Concen: 5.133 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 14666
 Ion Ratio Lower Upper
 248 100
 250 212.2 77.1 115.7#
 141 487.9 50.8 76.2#

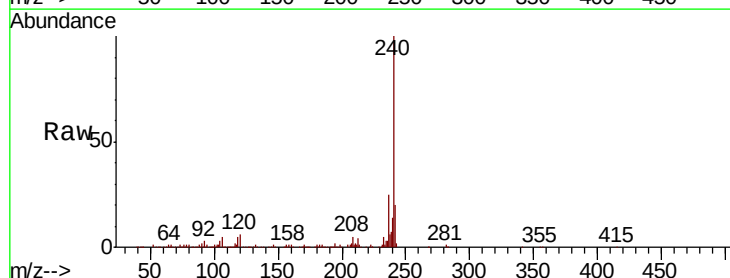


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

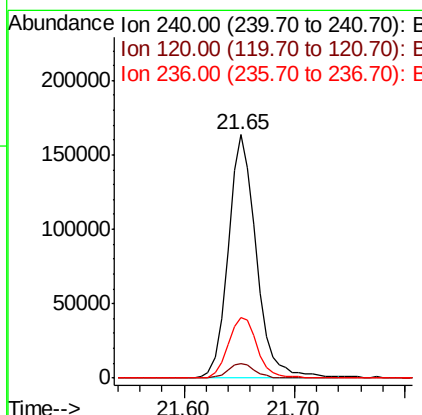
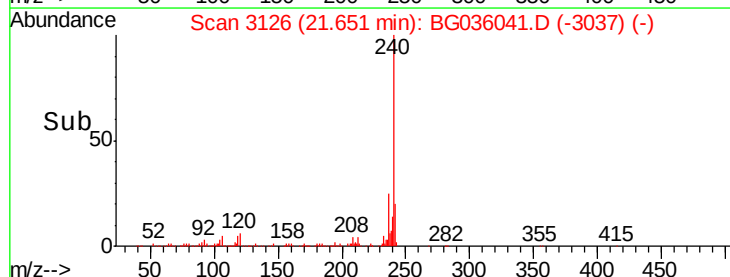


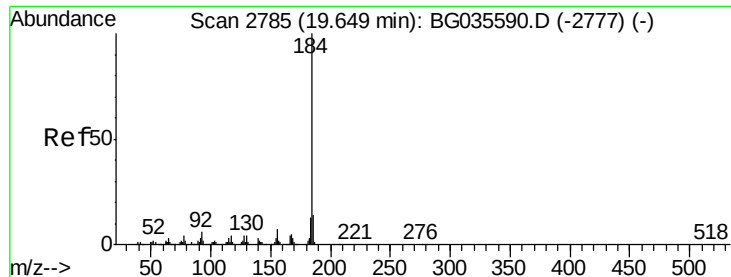
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036041.D
 Acq: 1 Aug 2018 19:51

Tgt Ion:240 Resp: 291266
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.8 10.2#
 236 24.8 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: 2.938 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036041.D

Acq: 1 Aug 2018 19:51

Instrument :

BNA_G

ClientSampleId :

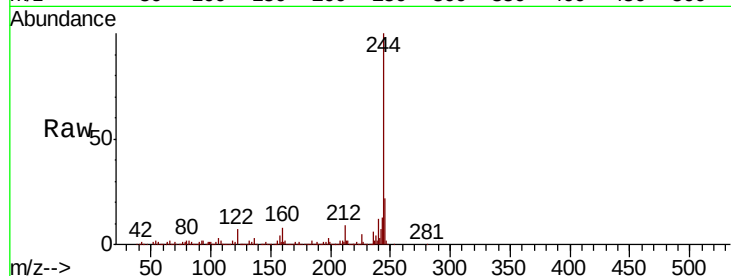
Tot Ion:184 Resp: 22497

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

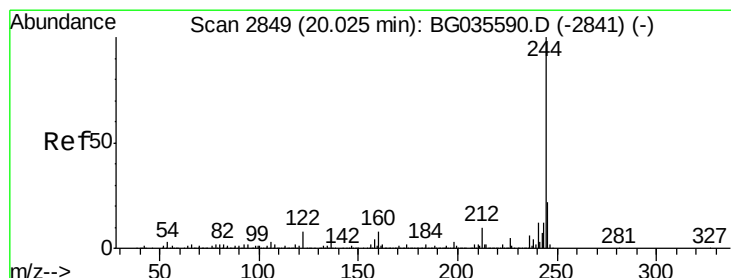
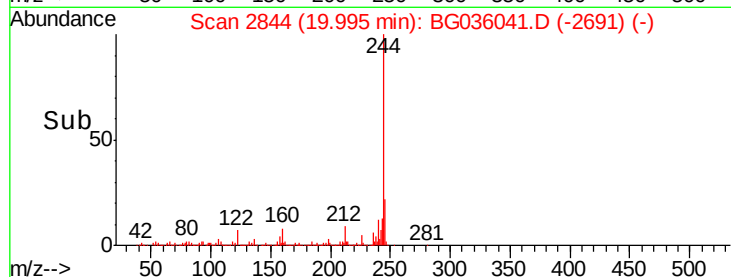
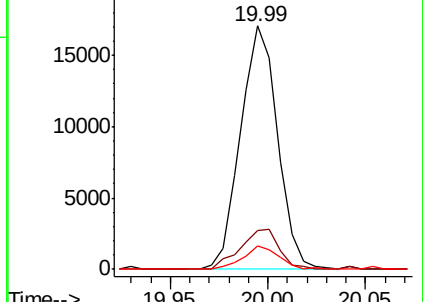
183 9.5 10.6 16.0#



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: 98.494 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036041.D

Acq: 1 Aug 2018 19:51

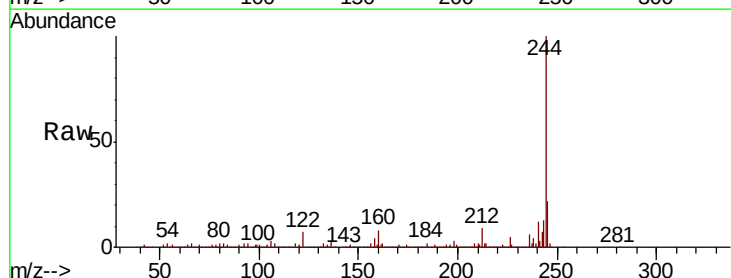
Tgt Ion:244 Resp: 1301459

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

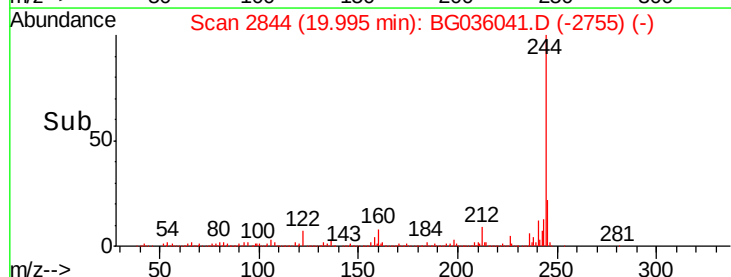
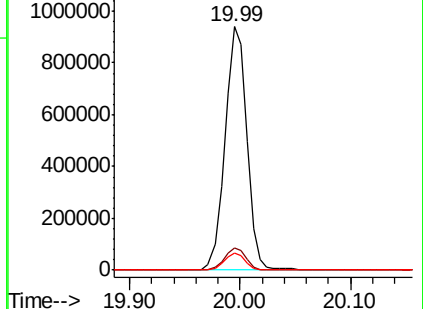
122 7.1 7.0 10.4

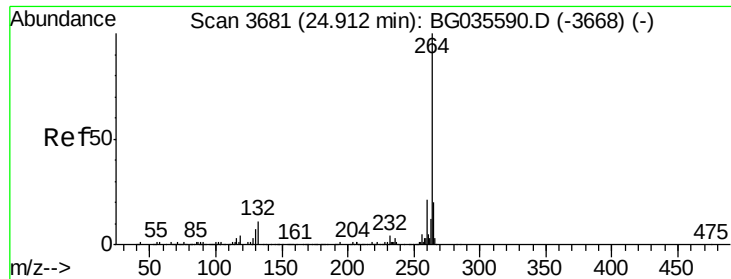


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG036041.D
Acq: 1 Aug 2018 19:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.8	17.7	26.5

