

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036024.D
 Acq On : 1 Aug 2018 5:50
 Operator : JU/SJ
 Sample : J3825-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 07:10:55 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

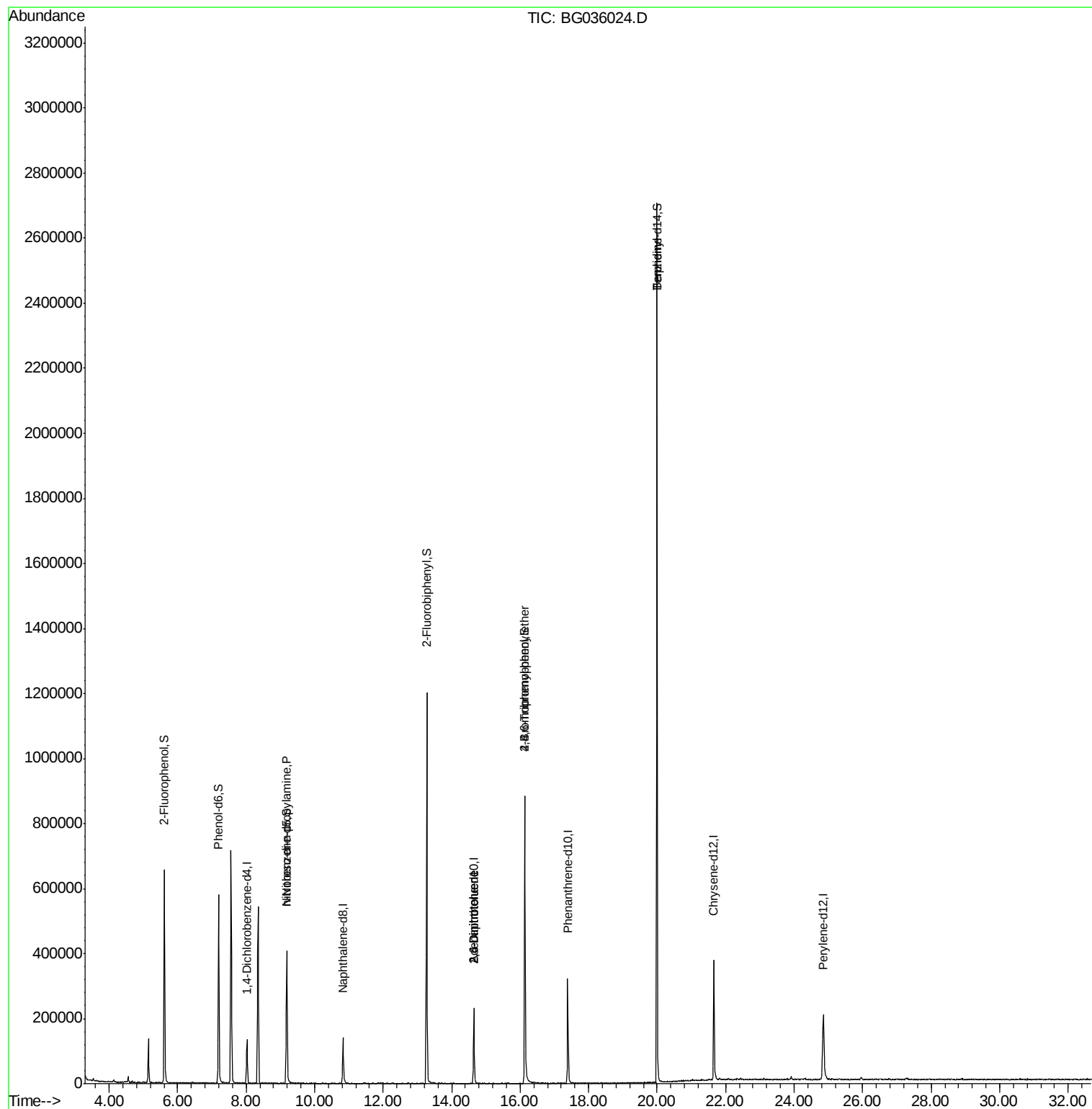
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38078	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	130949	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	87795	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	245698	20.00	ng	0.00
75) Chrysene-d12	21.65	240	273780	20.00	ng	0.00
86) Perylene-d12	24.85	264	250148	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	290260	126.56	ng	0.00
7) Phenol-d6	7.19	99	359204	104.97	ng	0.00
23) Nitrobenzene-d5	9.19	82	298328	95.17	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	185645	160.43	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	672475	102.62	ng	0.00
78) Terphenyl-d14	20.00	244	1277410	102.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	39843	13.827	ng	# 66
50) 2,6-Dinitrotoluene	14.64	165	12286	7.843	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	12286	5.467	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	14326	5.026	ng	# 1
76) Benzidine	20.00	184	22292	3.097	ng	# 90

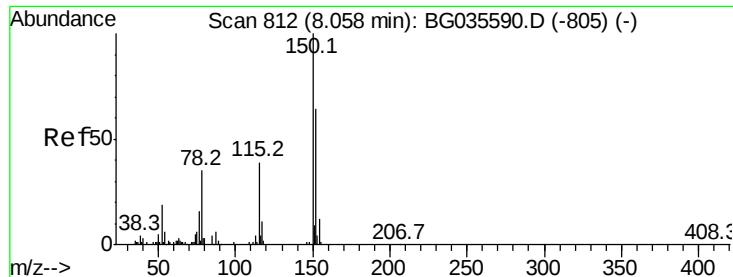
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 12:30:06 2018
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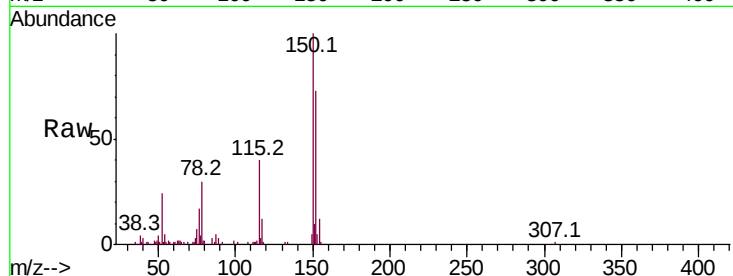


#1

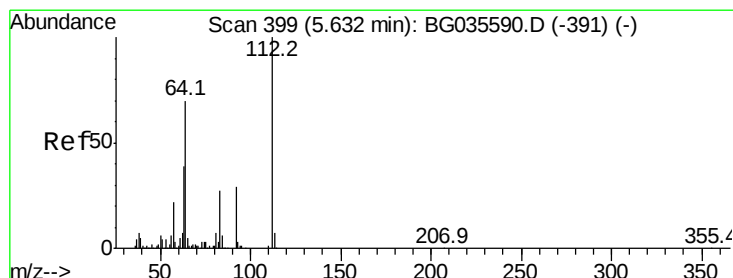
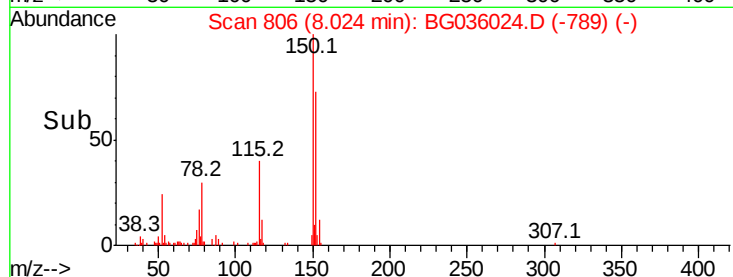
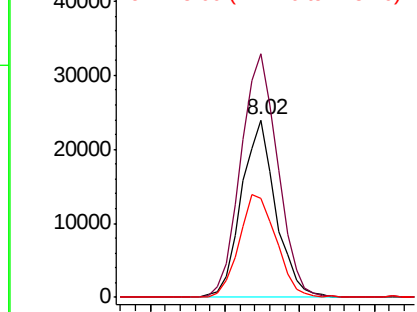
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38078
Ion Ratio Lower Upper
152 100
150 137.3 126.6 189.8
115 55.5 53.0 79.4



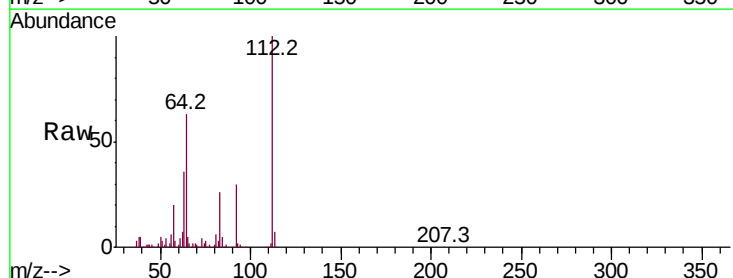
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



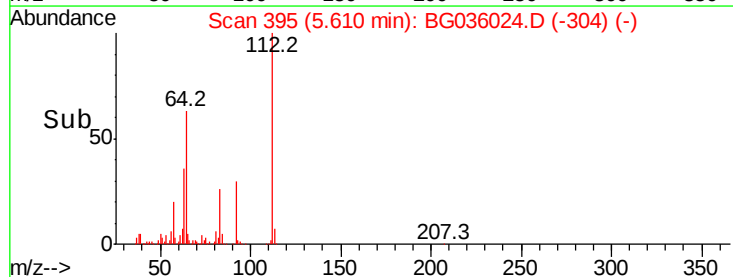
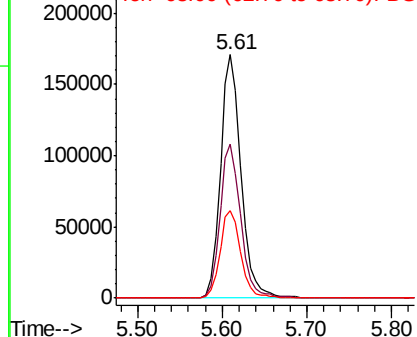
#5

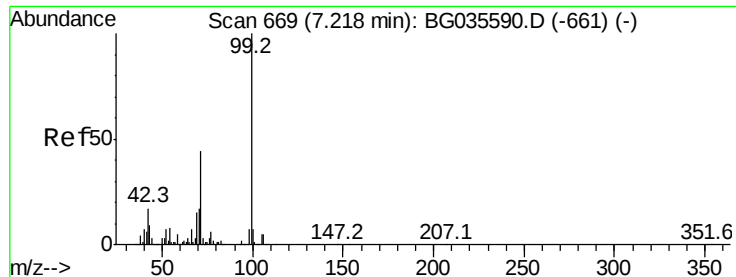
2-Fluorophenol
Concen: 126.556 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.01 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Tgt Ion:112 Resp: 290260
Ion Ratio Lower Upper
112 100
64 63.4 56.3 84.5
63 35.8 30.1 45.1



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





#7

Phenol-d6

Concen: 104.971 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

Instrument :

BNA_G

ClientSampled :

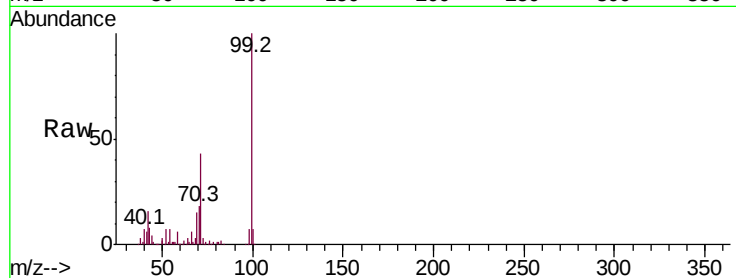
Tot Ion: 99 Resp: 359204

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

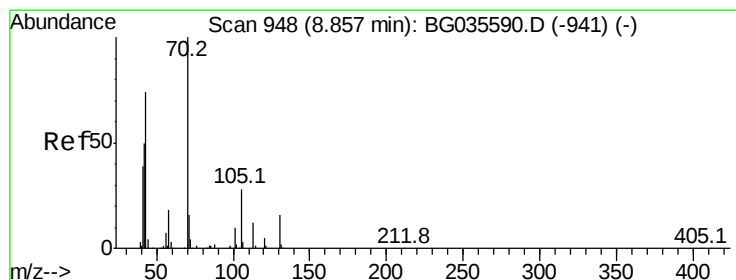
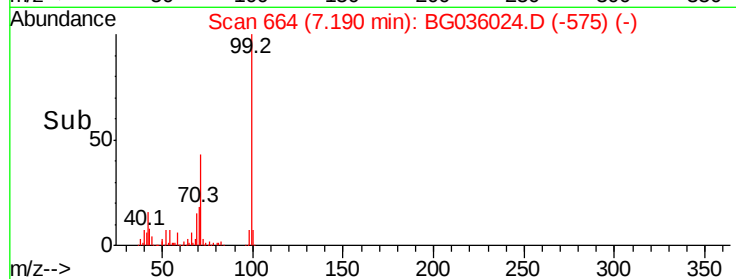
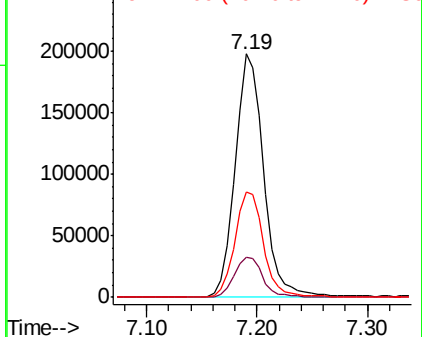
71 43.1 26.1 39.1#



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: 13.827 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

Tgt Ion: 70 Resp: 39843

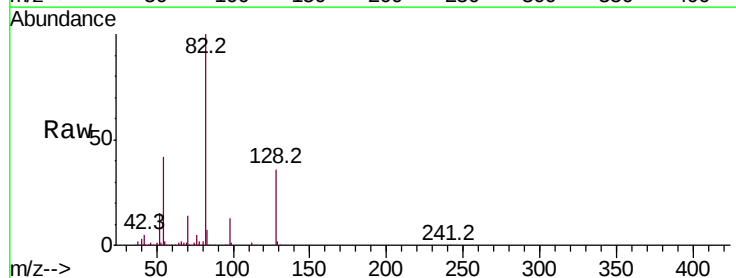
Ion Ratio Lower Upper

70 100

42 34.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

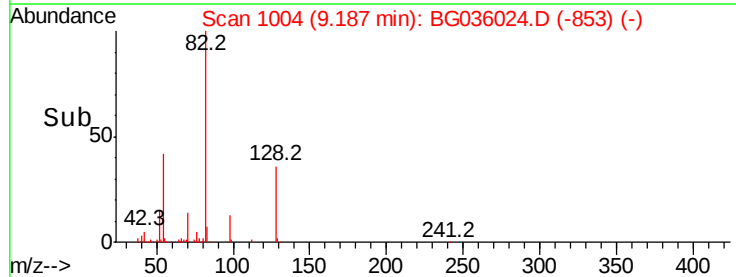
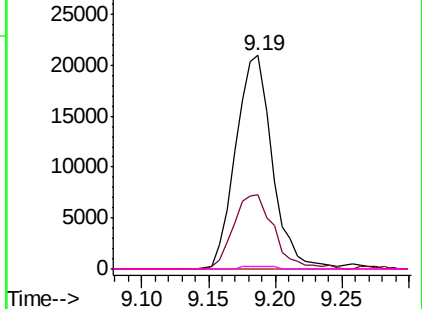


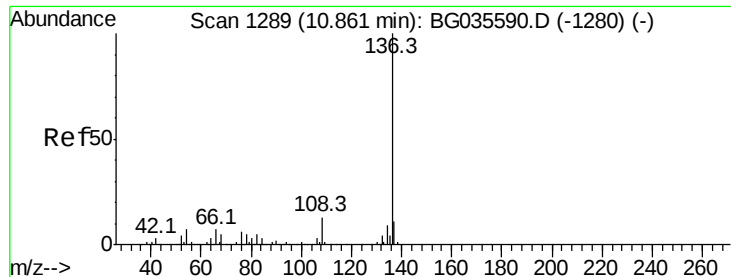
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

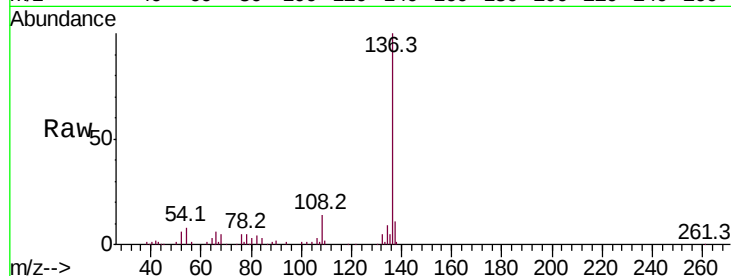




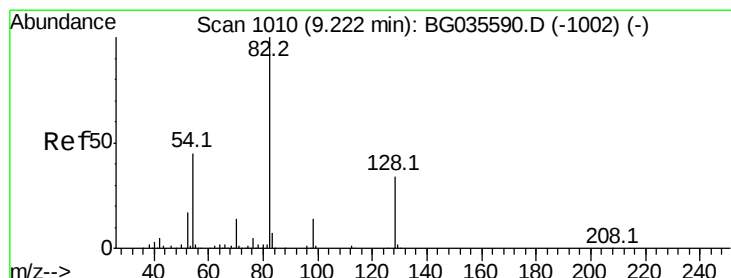
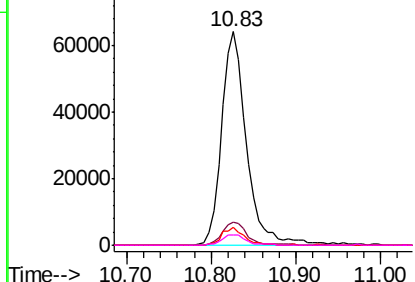
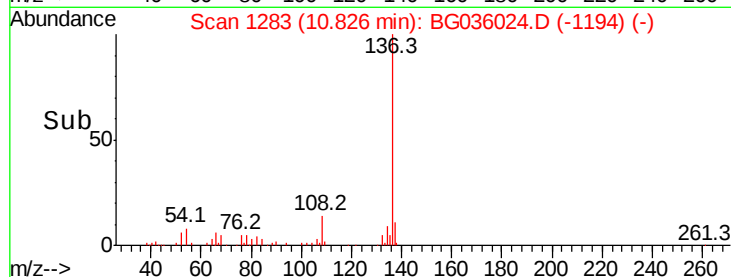
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	130949
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.2	10.3	15.5#
68	5.0	4.5	6.7

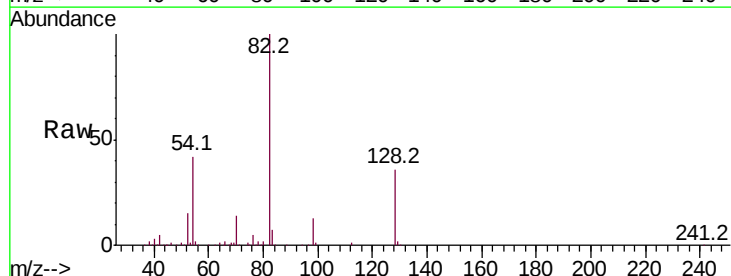


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

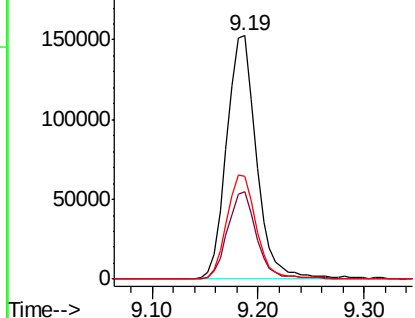
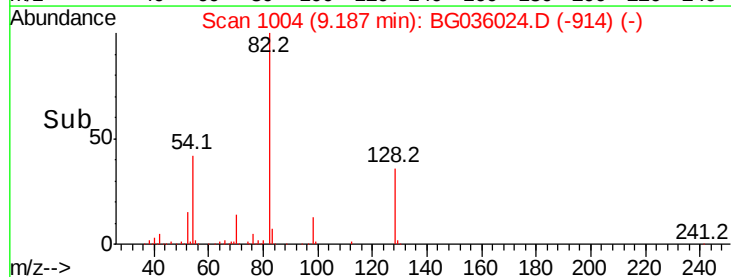


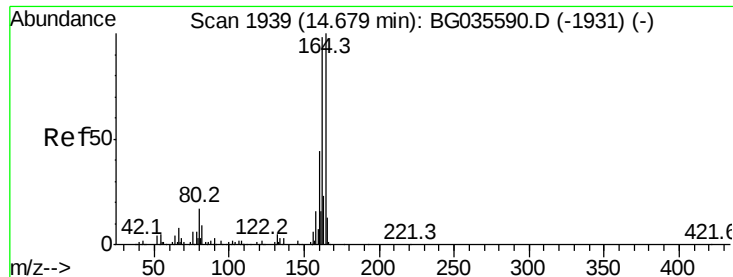
#23
Nitrobenzene-d5
Concen: 95.171 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Tgt Ion:	82	Resp:	298328
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	42.0	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: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

Instrument :

BNA_G

ClientSampleId :

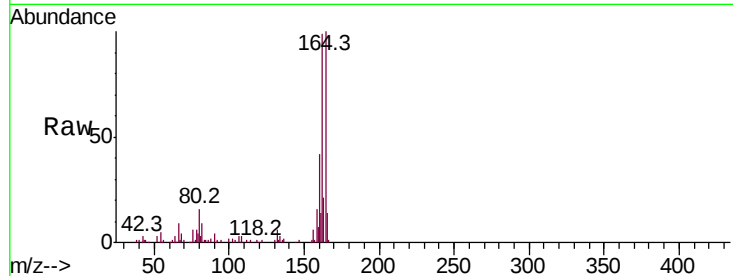
Tot Ion:164 Resp: 87795

Ion Ratio Lower Upper

164 100

162 98.9 78.8 118.2

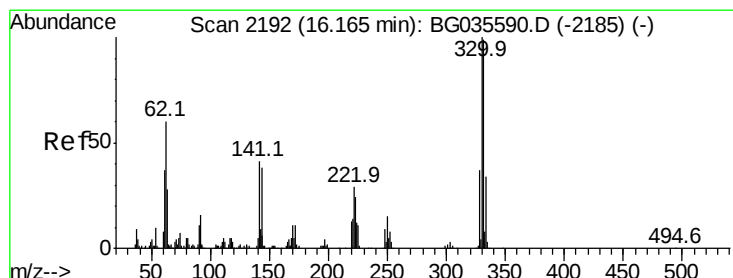
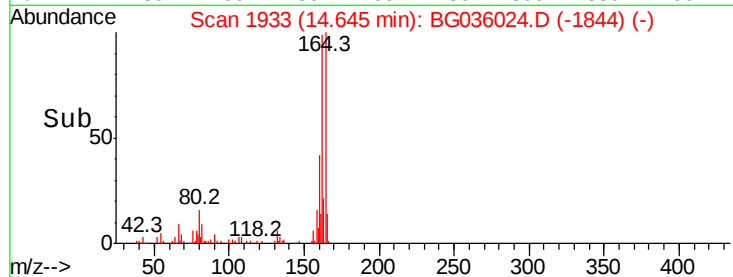
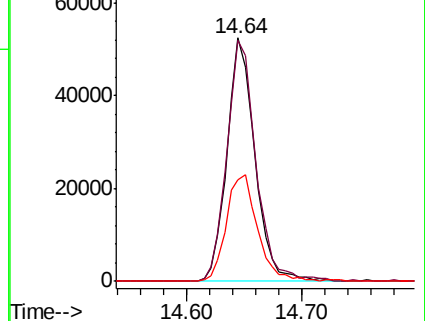
160 41.8 35.4 53.0



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: 160.427 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

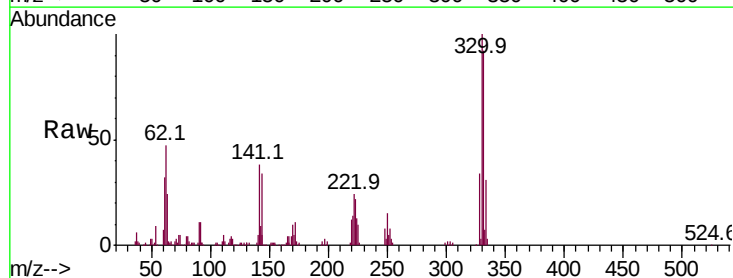
Tgt Ion:330 Resp: 185645

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

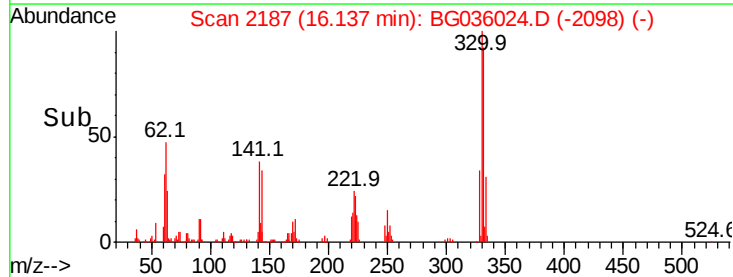
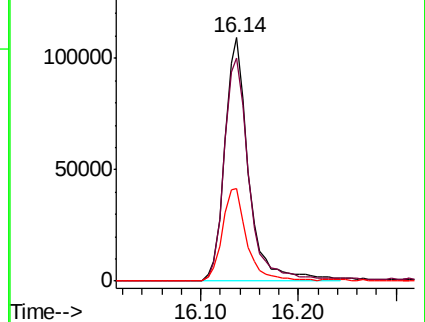
141 39.1 25.2 37.8#

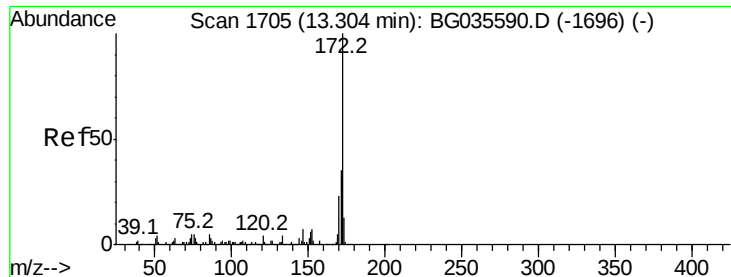


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

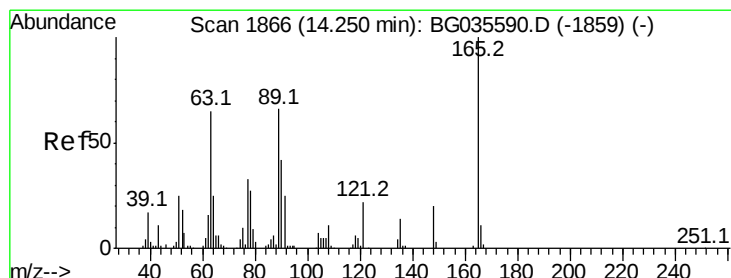
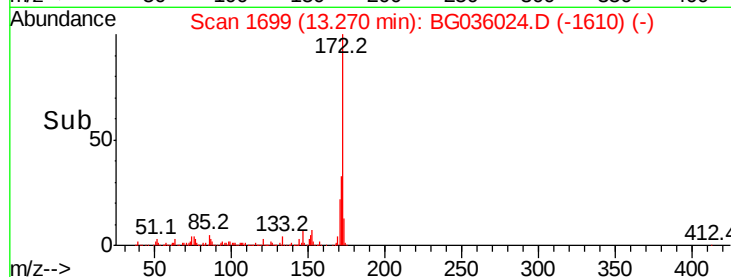
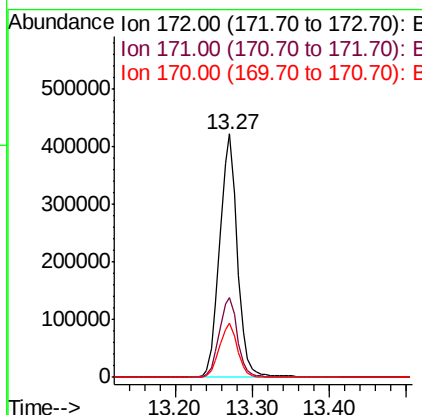
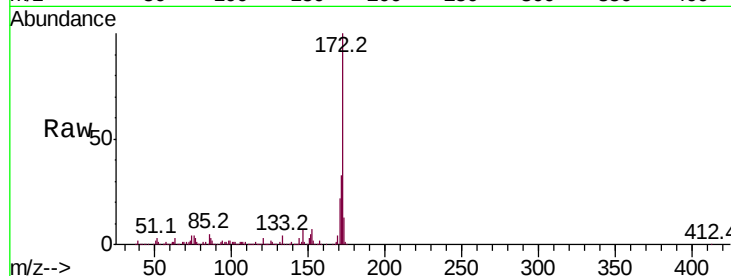




#44
 2-Fluorobiphenyl
 Concen: 102.619 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036024.D
 Acq: 1 Aug 2018 5:50

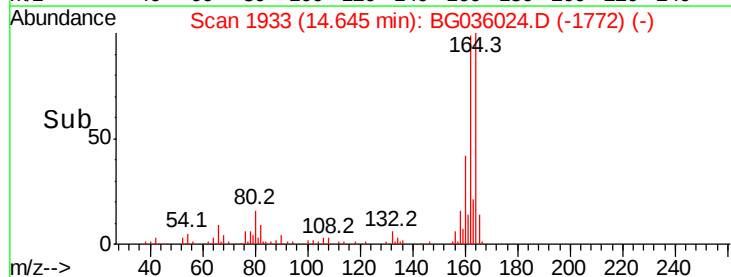
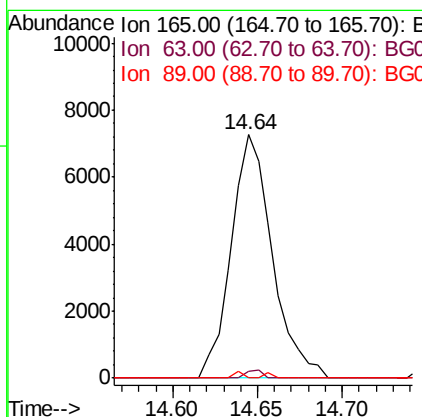
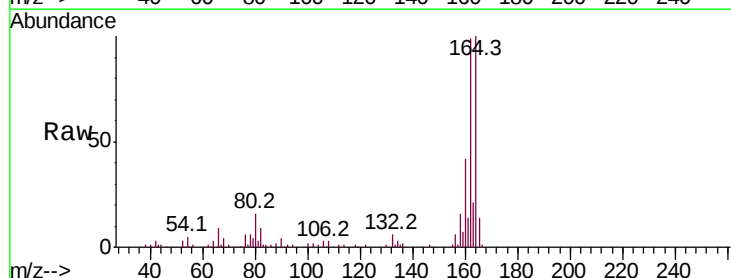
Instrument :
 BNA_G
 ClientSampled :

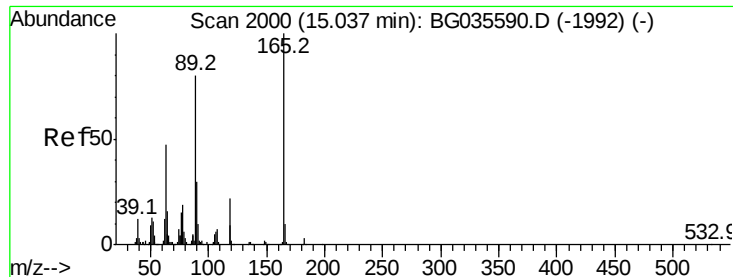
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.9	30.0	45.0
170	22.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.843 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036024.D
 Acq: 1 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	0.0	49.2	73.8#

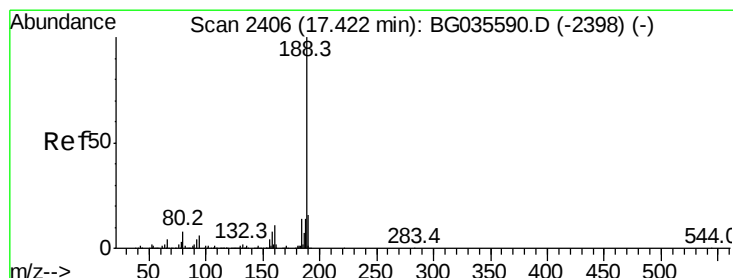
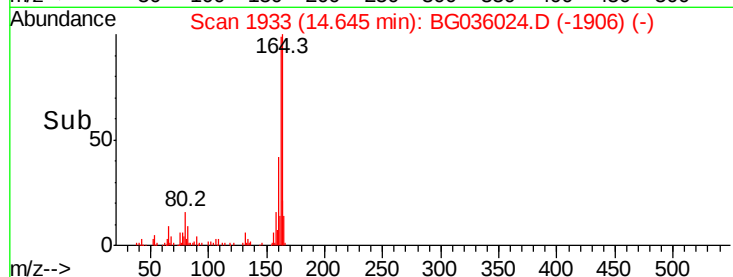
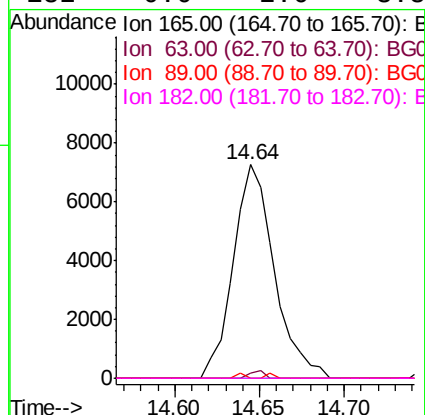
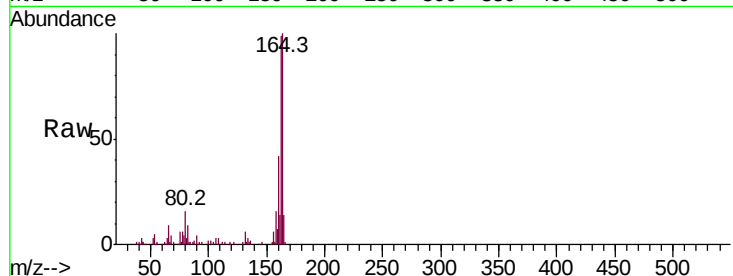




#56
 2,4-Dinitrotoluene
 Concen: 5.467 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036024.D
 Acq: 1 Aug 2018 5:50

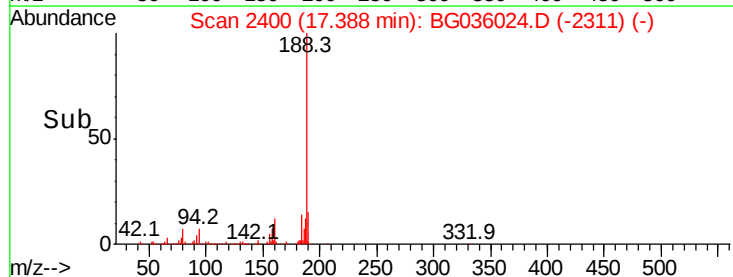
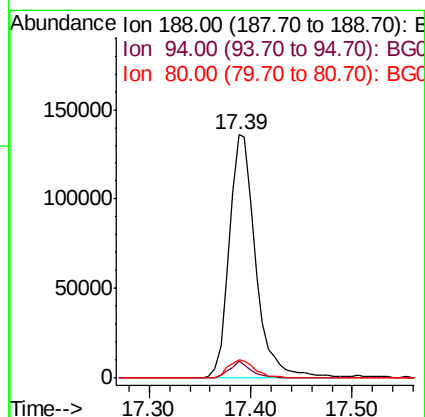
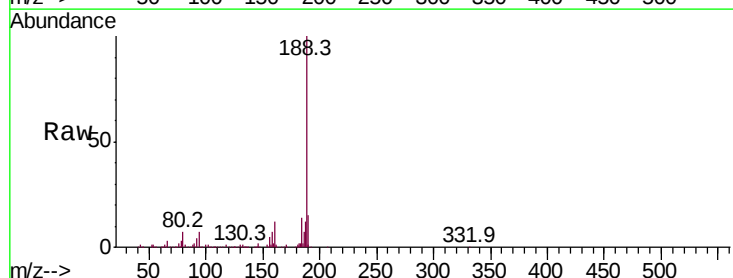
Instrument :
 BNA_G
 ClientSampleId :

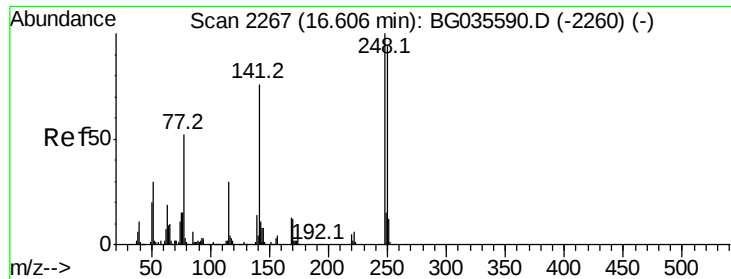
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.01 min
 Lab File: BG036024.D
 Acq: 1 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.9	10.3
80	7.4	7.7	11.5#

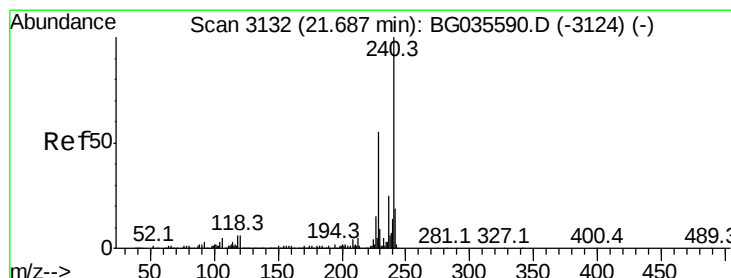
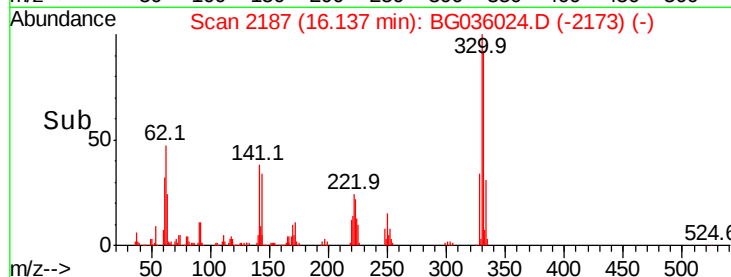
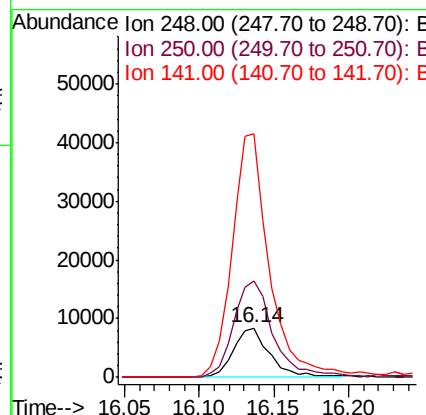
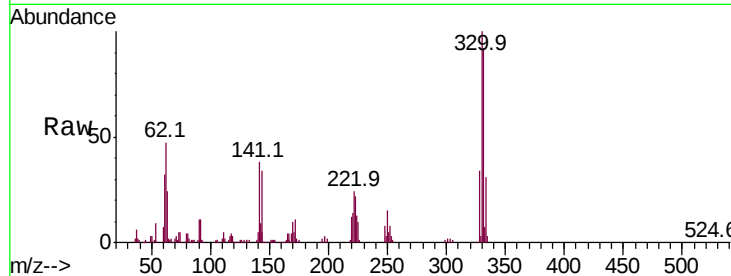




#66
4-Bromophenyl-phenylether
Concen: 5.026 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

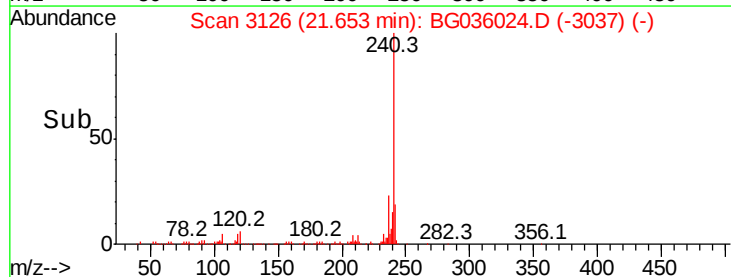
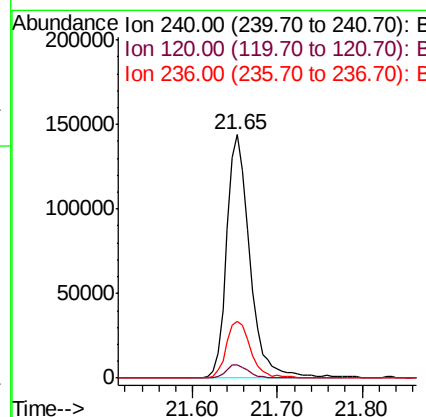
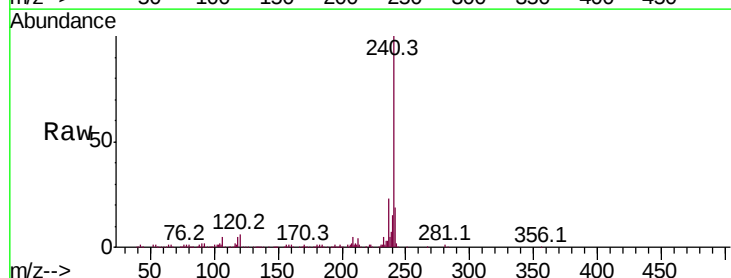
Instrument :
BNA_G
ClientSampled :

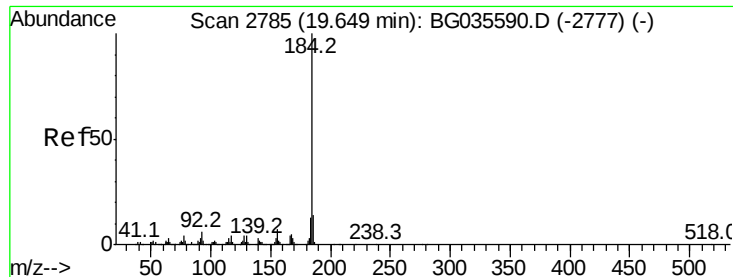
Tot Ion:248 Resp: 14326
Ion Ratio Lower Upper
248 100
250 196.4 77.1 115.7#
141 494.4 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Tgt Ion:240 Resp: 273780
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 23.2 20.9 31.3





#76

Benzidine

Concen: 3.097 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

Instrument :

BNA_G

ClientSampleId :

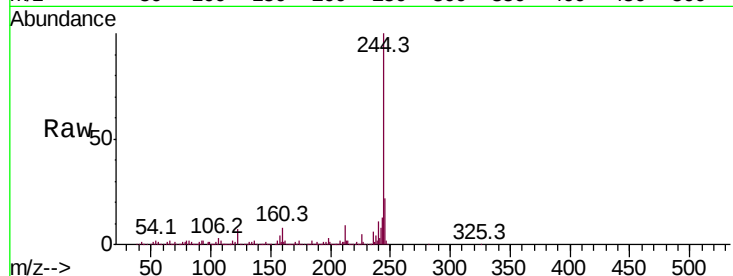
Tot Ion:184 Resp: 22292

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

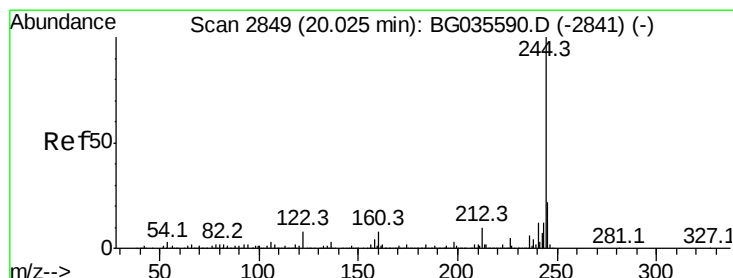
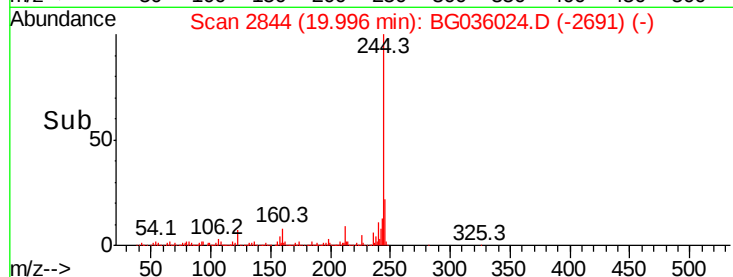
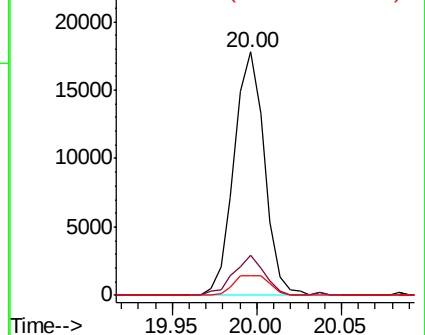
183 7.8 10.6 16.0#



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: 102.849 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036024.D

Acq: 1 Aug 2018 5:50

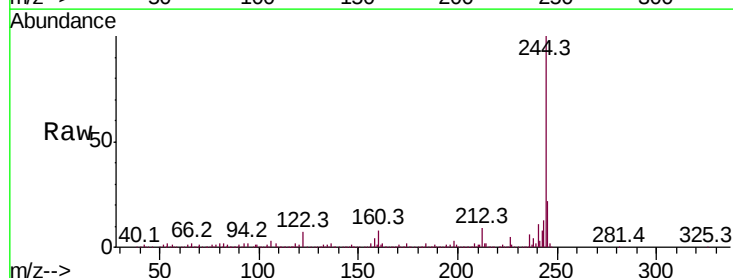
Tgt Ion:244 Resp: 1277410

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

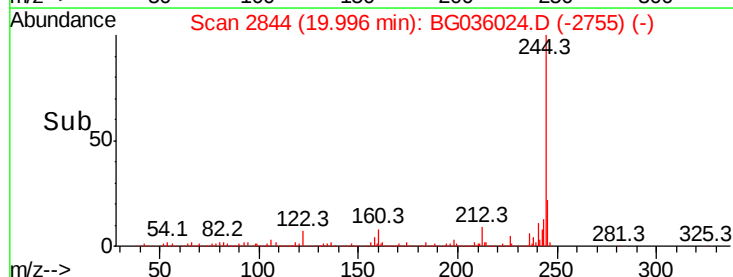
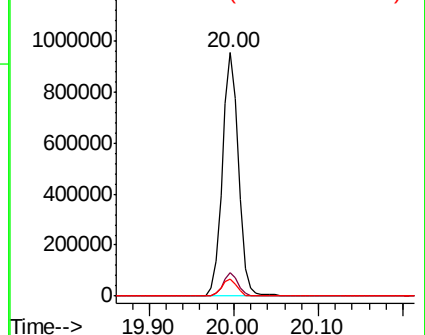
122 6.8 7.0 10.4#

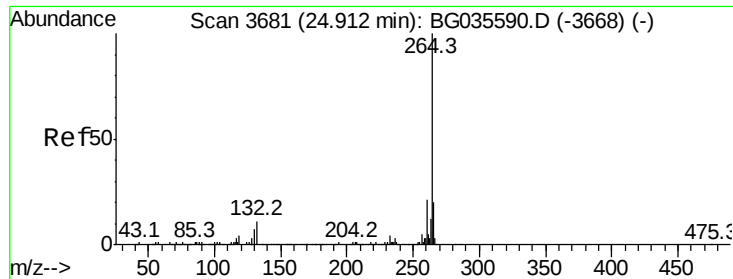


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG036024.D
Acq: 1 Aug 2018 5:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.4	26.0
265	19.9	17.7	26.5

