

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036236.D
 Acq On : 9 Aug 2018 16:58
 Operator : JU/SJ
 Sample : PB111891BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 10 04:24:38 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

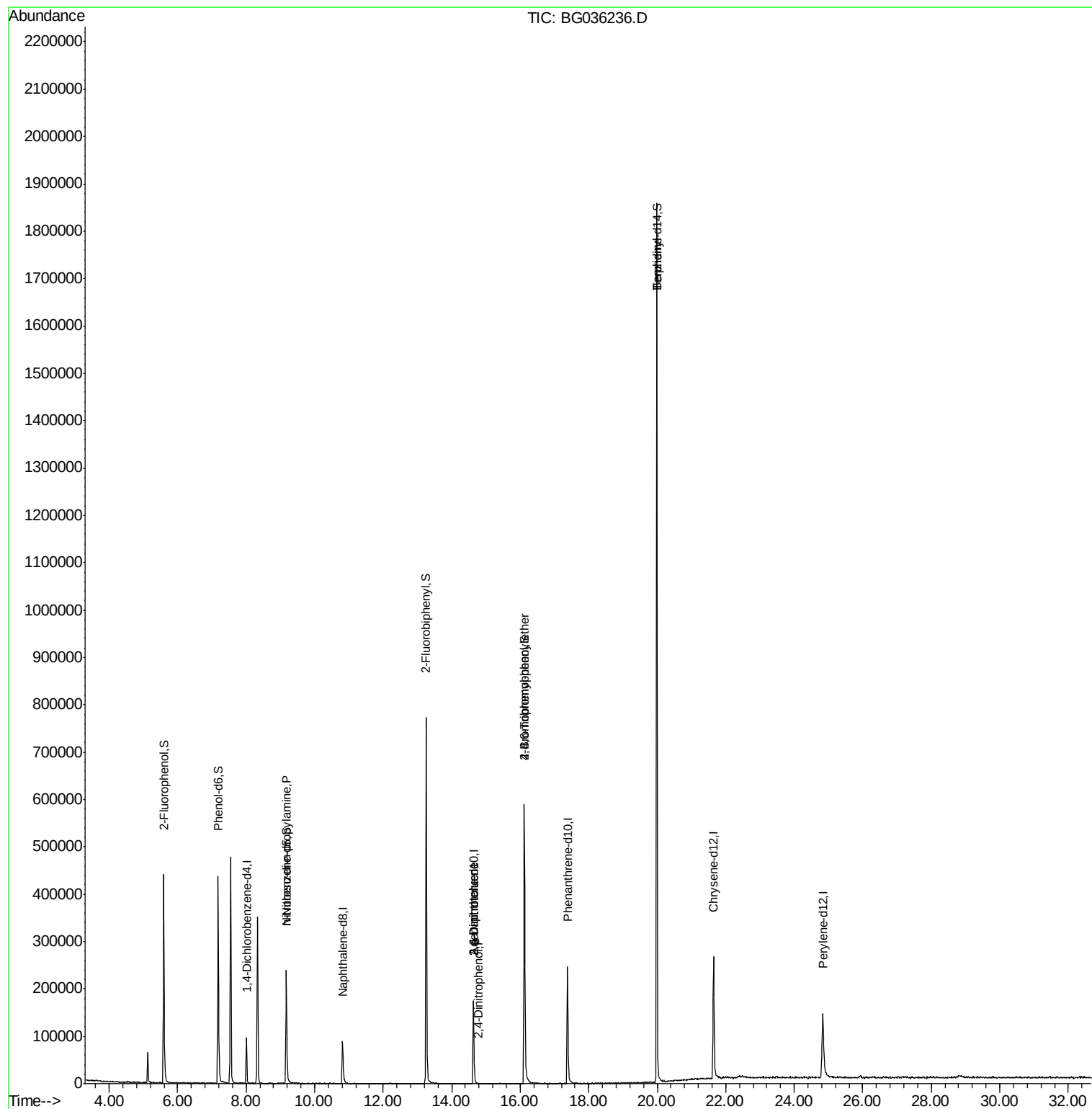
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27840	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	99912	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	74794	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	203575	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	219732	20.00	ng	-0.02
86) Perylene-d12	24.83	264	200462	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	201089	119.92	ng	-0.01
7) Phenol-d6	7.18	99	290508	116.12	ng	-0.02
23) Nitrobenzene-d5	9.17	82	192410	80.45	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	139376	141.38	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	469680	84.13	ng	-0.02
78) Terphenyl-d14	19.99	244	951575	95.46	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	26068	12.373	ng	# 72
50) 2,6-Dinitrotoluene	14.63	165	10523	7.886	ng	# 18
53) 2,4-Dinitrophenol	14.77	184	59	6.661	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	10523	5.497	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	10511	4.450	ng	# 1
76) Benzidine	19.99	184	15572	2.696	ng	# 92

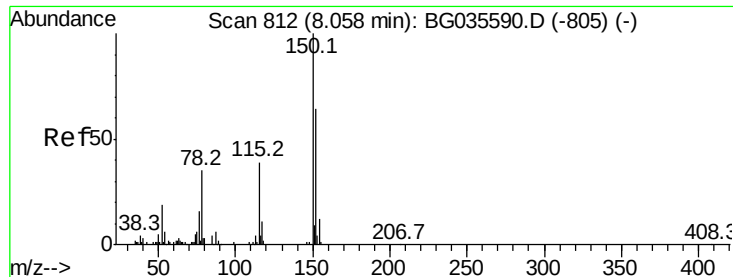
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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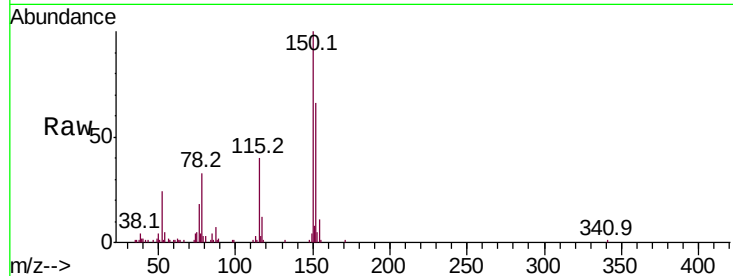


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.6	189.8
115	60.9	53.0	79.4

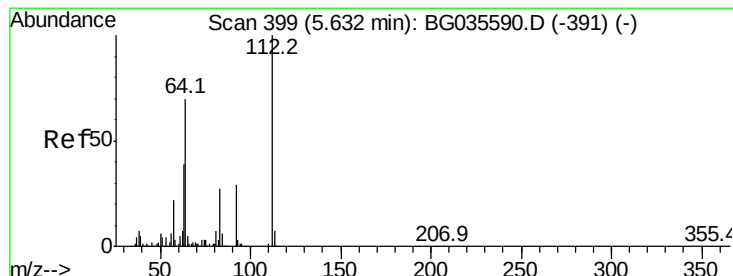
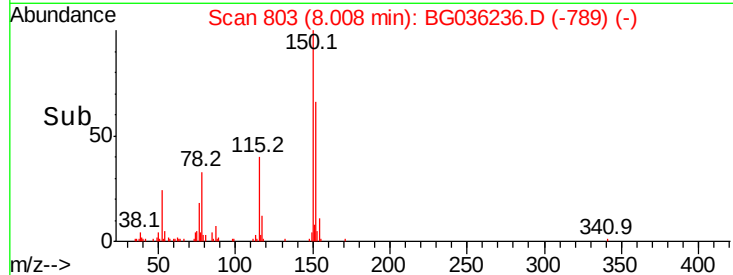
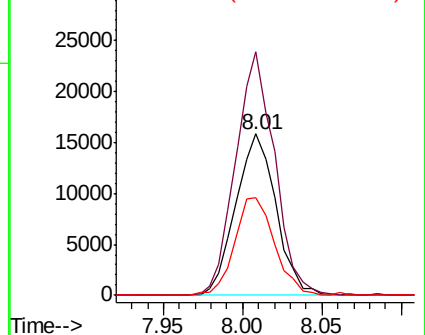


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

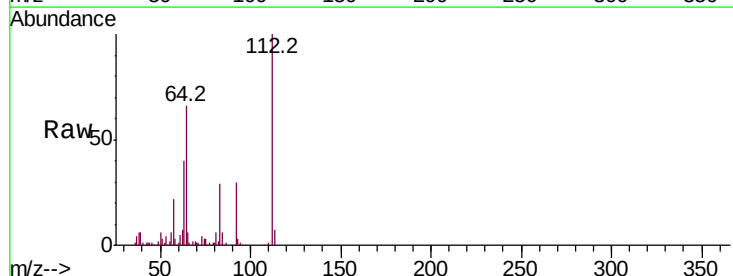
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.919 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	56.3	84.5
63	39.6	30.1	45.1

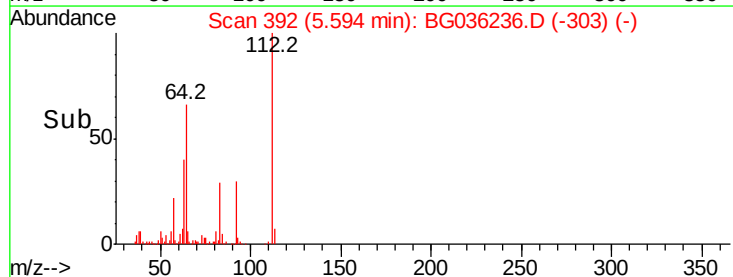
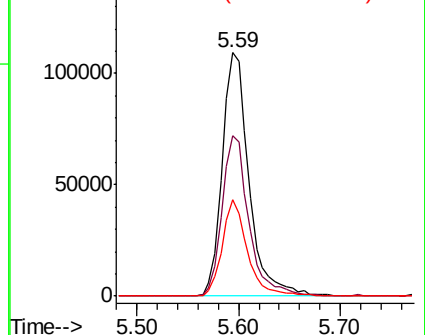


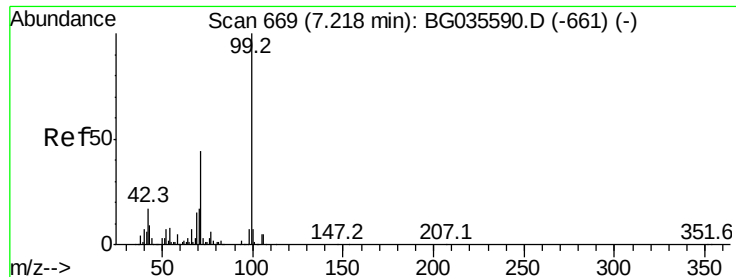
Abundance

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: 116.116 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

Instrument :

BNA_G

ClientSampleId :

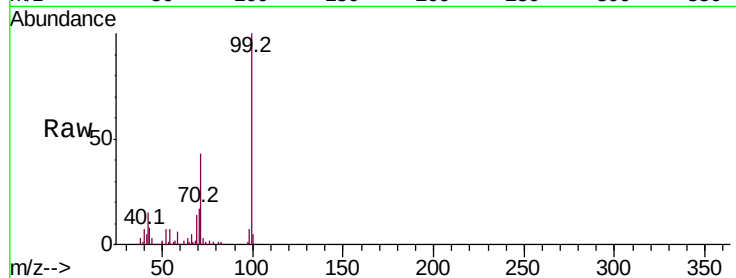
Tot Ion: 99 Resp: 290508

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

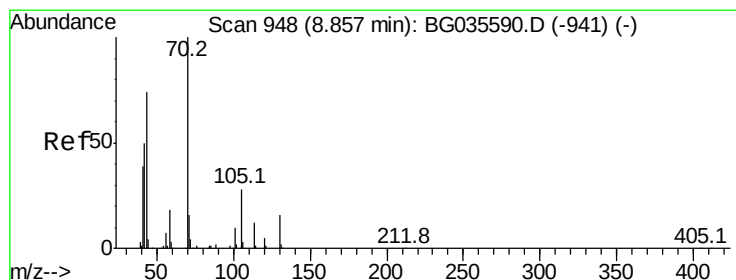
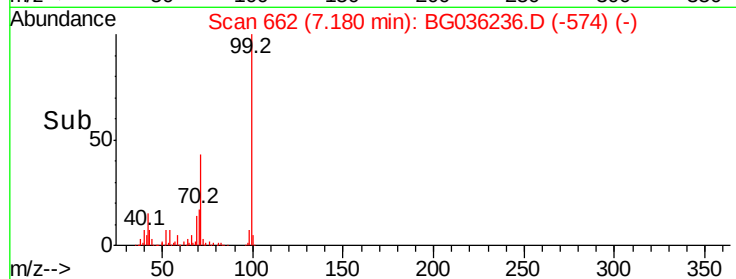
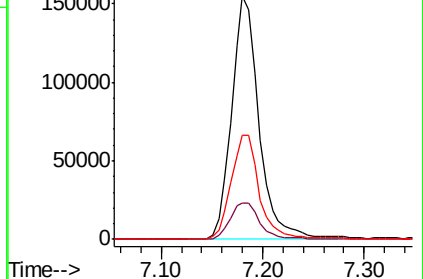
71 42.9 26.1 39.1#



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: 12.373 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

Tgt Ion: 70 Resp: 26068

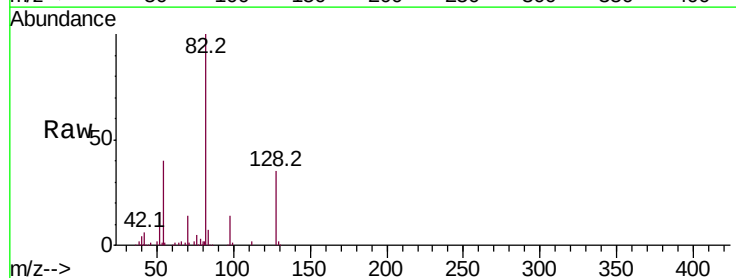
Ion Ratio Lower Upper

70 100

42 40.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

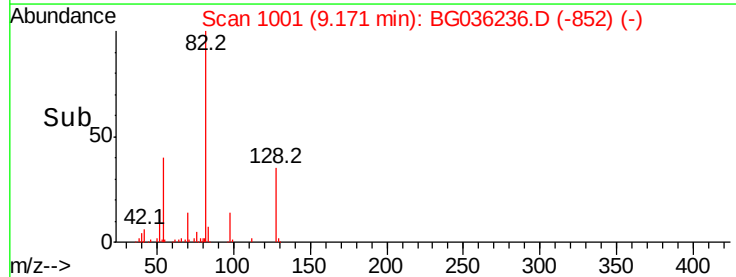
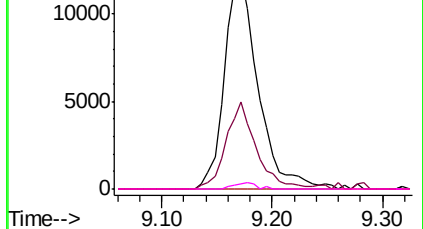


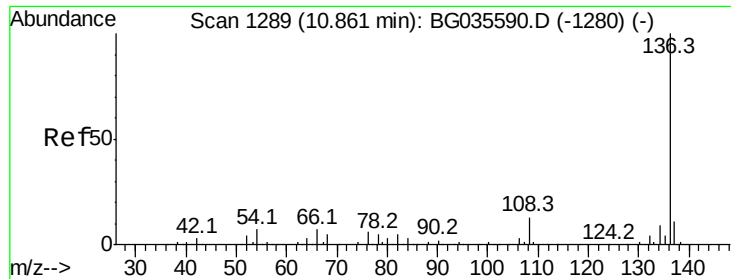
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

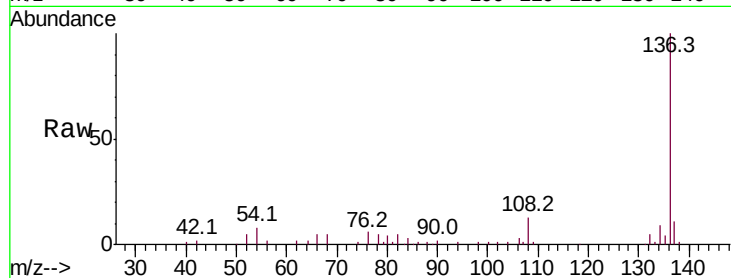




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.8	10.3	15.5
68	4.7	4.5	6.7



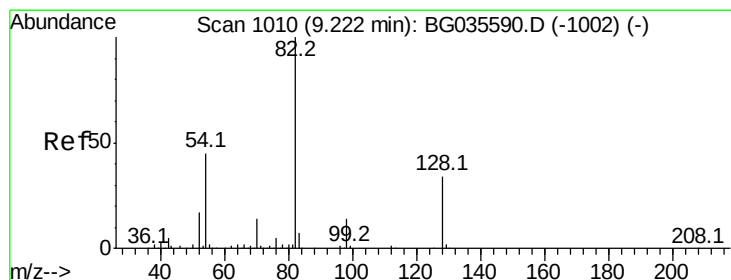
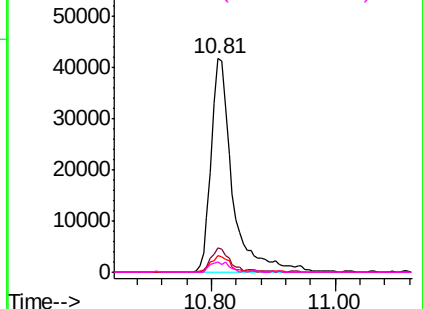
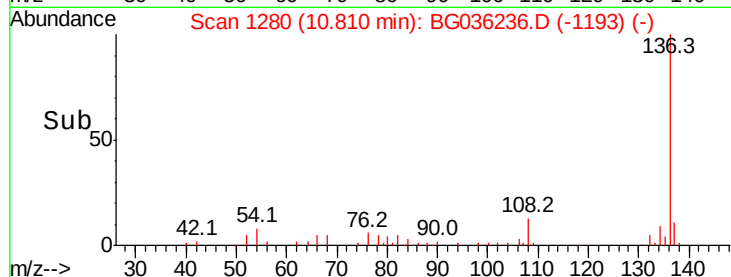
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

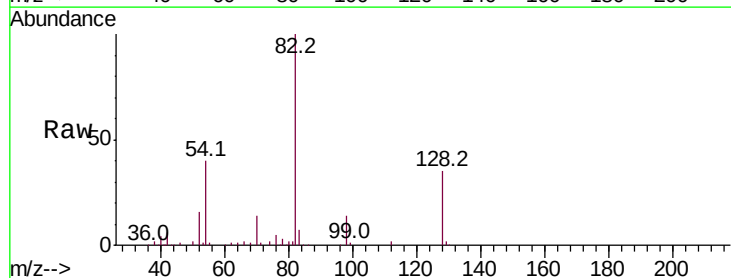
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 80.450 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	40.2	43.1	64.7

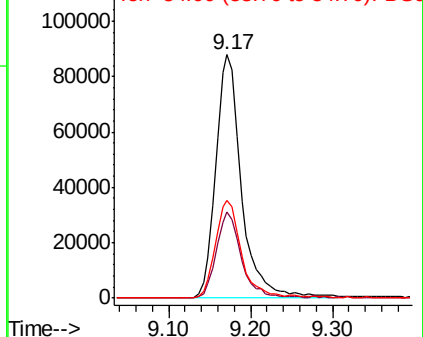
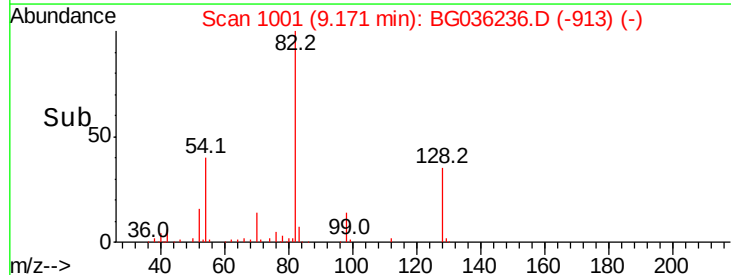


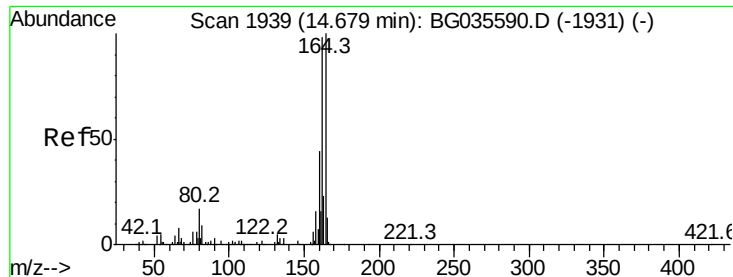
Abundance

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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

Instrument :

BNA_G

ClientSampleId :

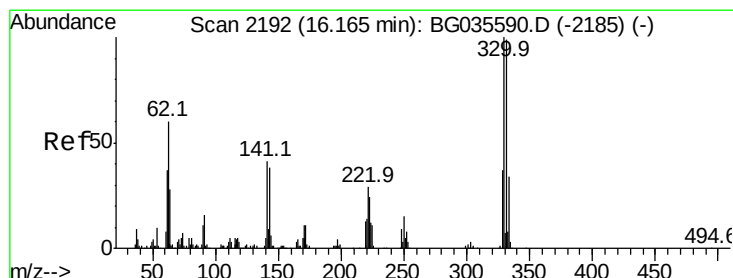
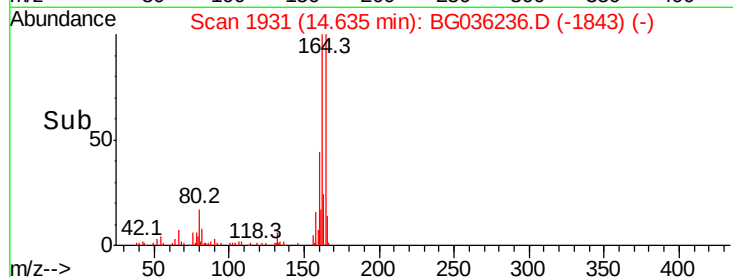
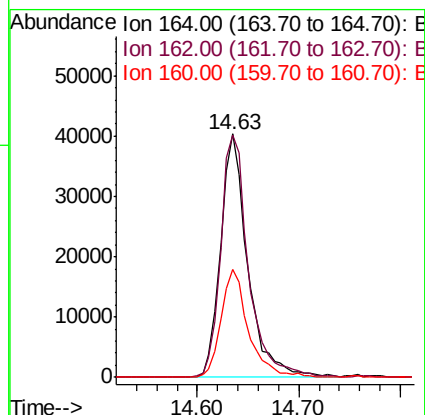
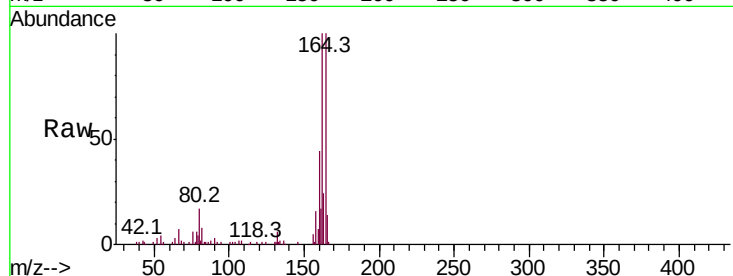
Tot Ion:164 Resp: 74794

Ion Ratio Lower Upper

164 100

162 99.5 78.8 118.2

160 44.2 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 141.379 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

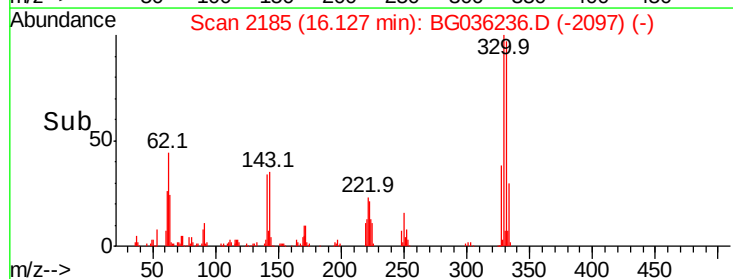
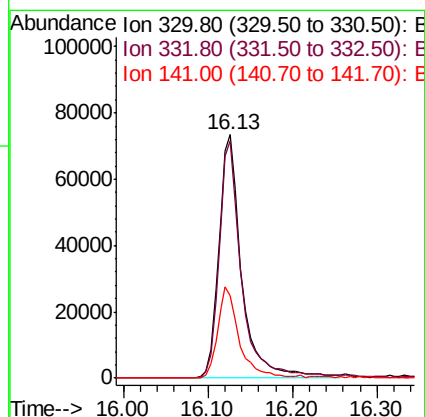
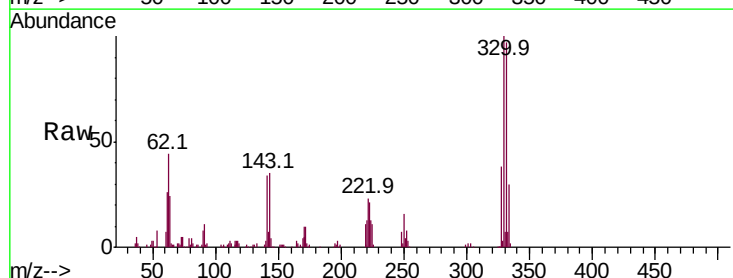
Tgt Ion:330 Resp: 139376

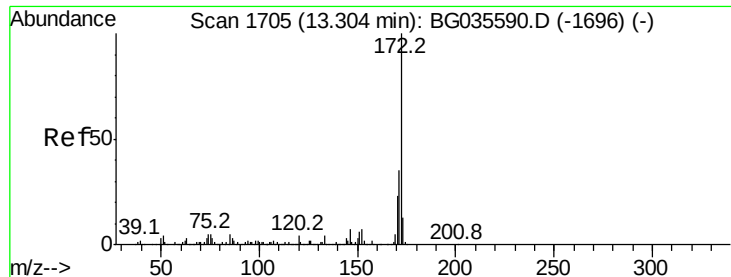
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 35.3 25.2 37.8

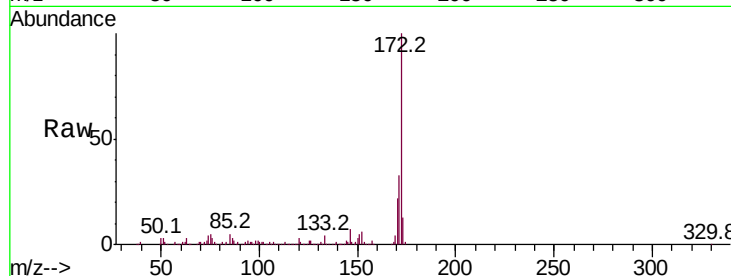




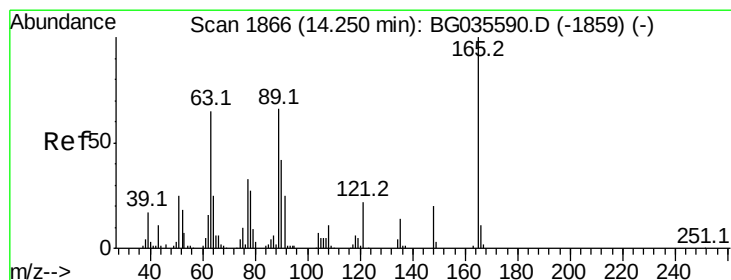
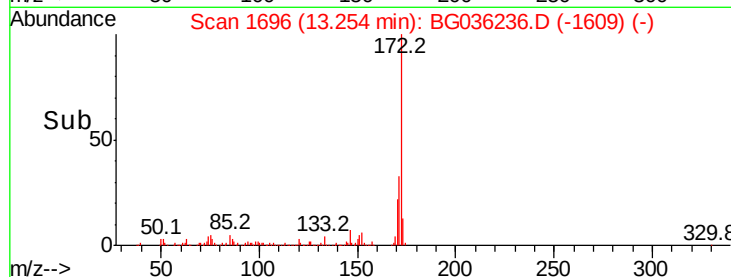
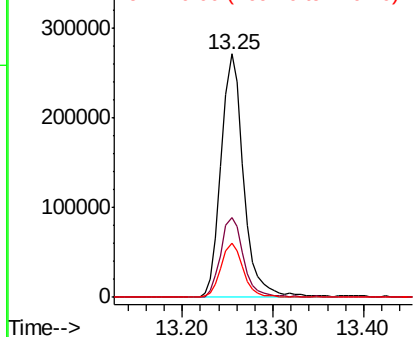
#44
2-Fluorobiphenyl
Concen: 84.131 ng
RT: 13.25 min Scan# 1696
Delta R.T. -0.02 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.8	30.0	45.0
170	22.3	19.5	29.3

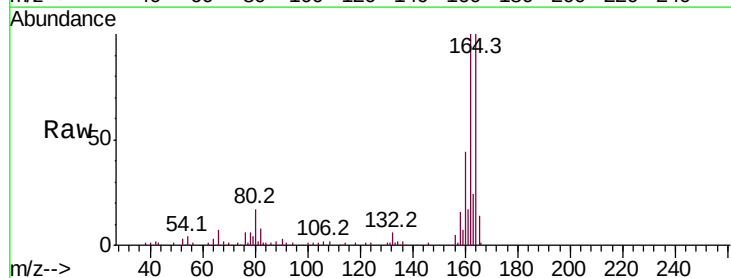


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

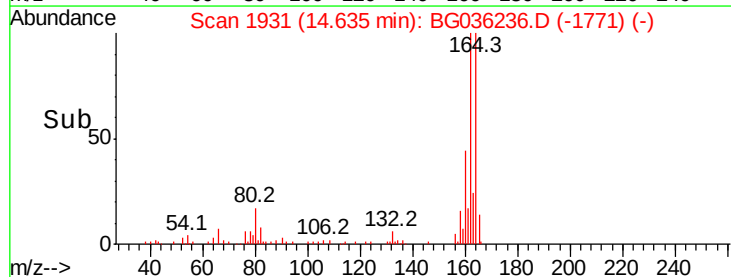
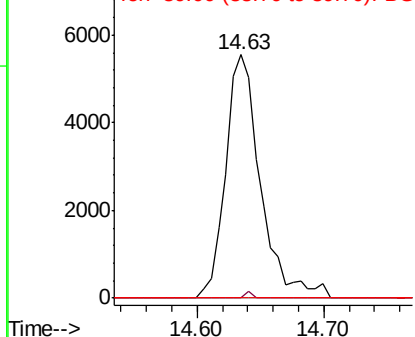


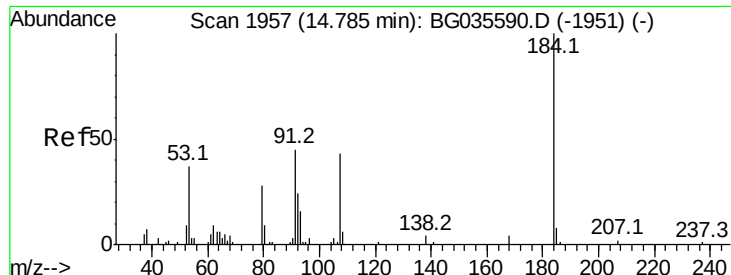
#50
2,6-Dinitrotoluene
Concen: 7.886 ng
RT: 14.63 min Scan# 1931
Delta R.T. 0.41 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

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



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

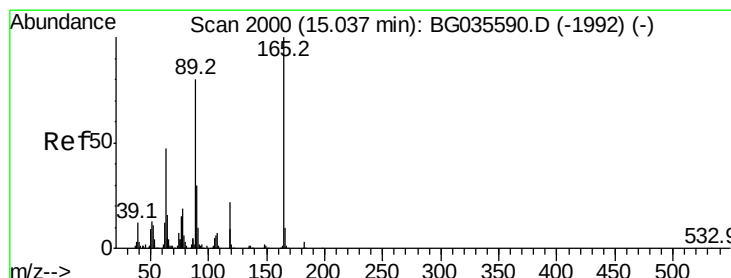
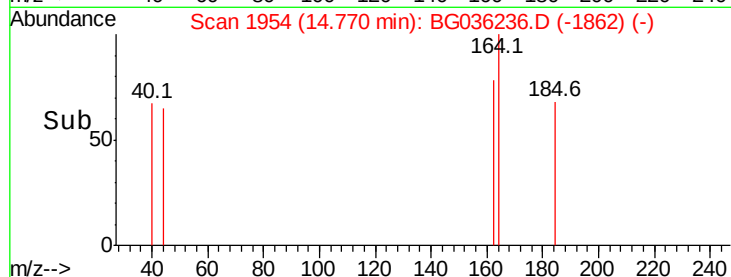
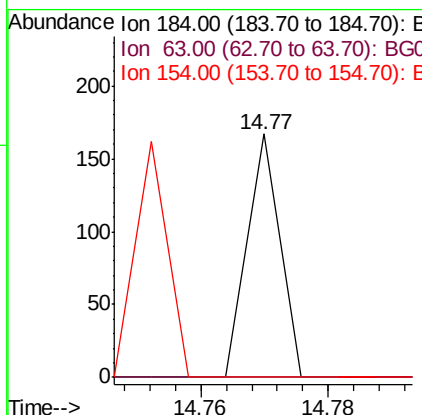
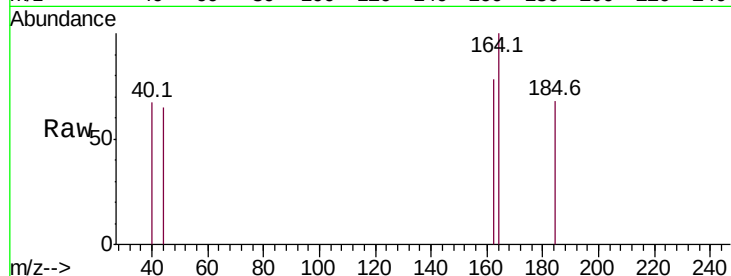




#53
2,4-Dinitrophenol
Concen: 6.661 ng
RT: 14.77 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

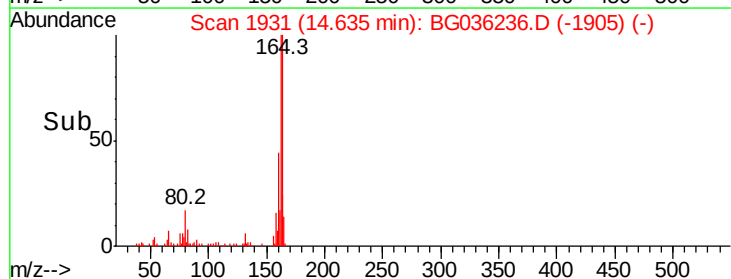
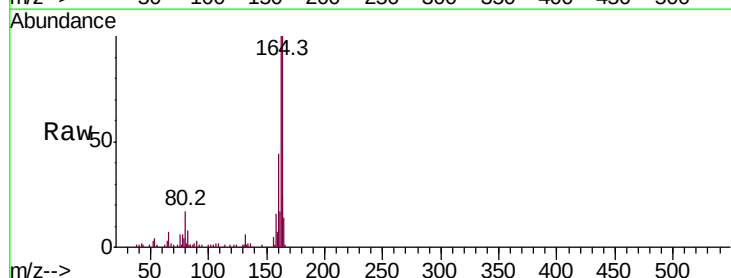
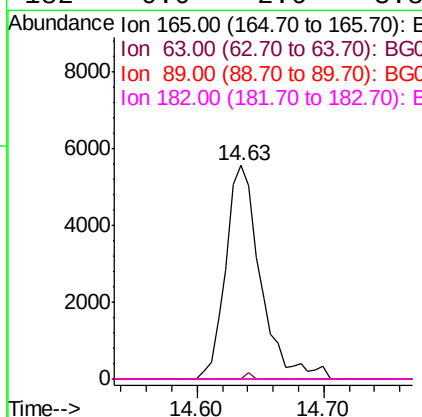
Instrument :
BNA_G
ClientSampleId :

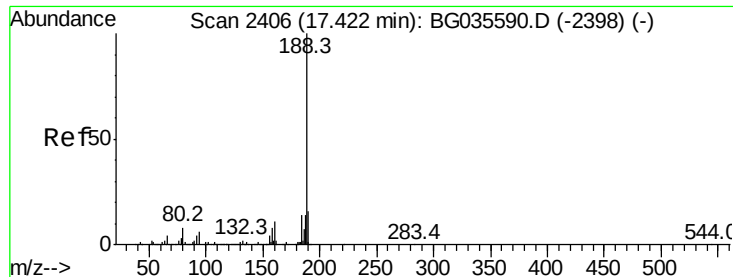
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.497 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036236.D
Acq: 9 Aug 2018 16:58

Tgt Ion:165 Resp: 10523
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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

Instrument :

BNA_G

ClientSampled :

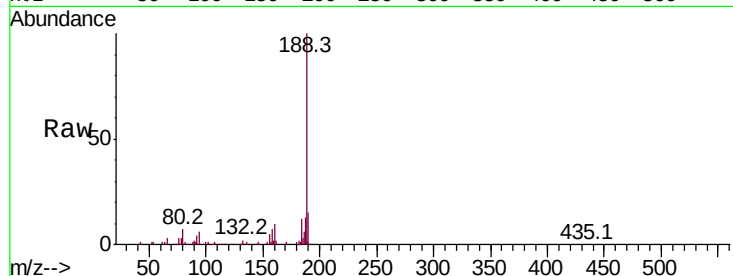
Tot Ion:188 Resp: 203575

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

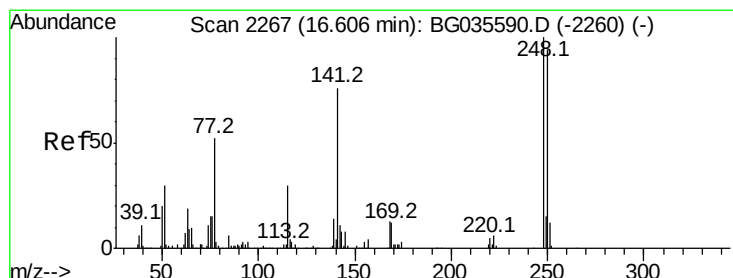
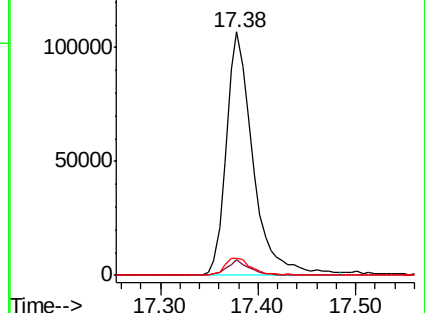
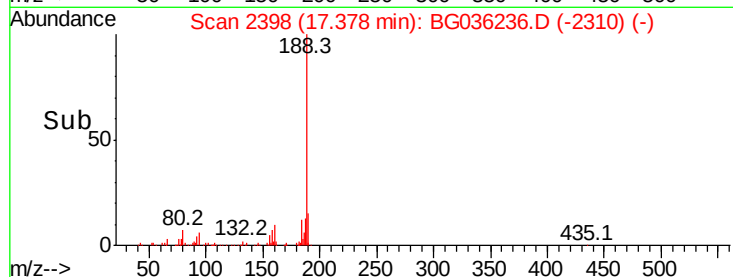
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.450 ng

RT: 16.12 min Scan# 2184

Delta R.T. -0.46 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

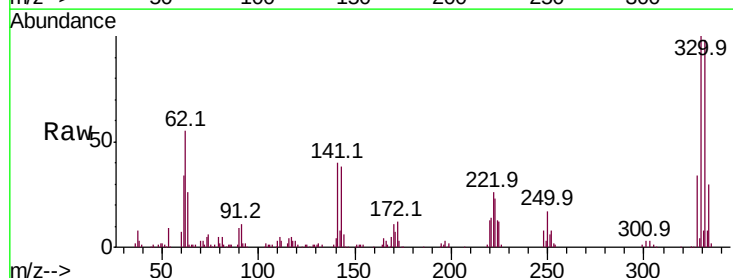
Tgt Ion:248 Resp: 10511

Ion Ratio Lower Upper

248 100

250 205.5 77.1 115.7#

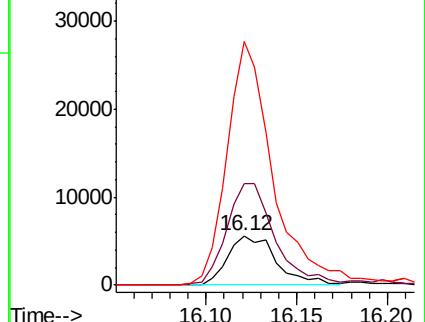
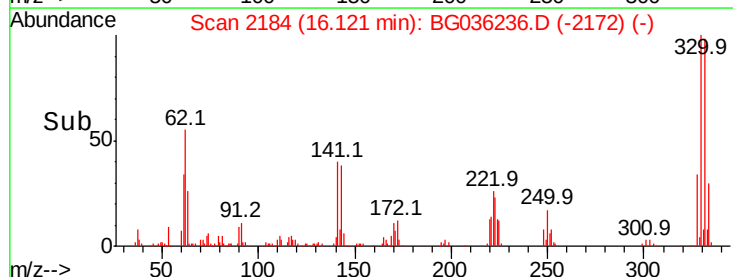
141 493.5 50.8 76.2#

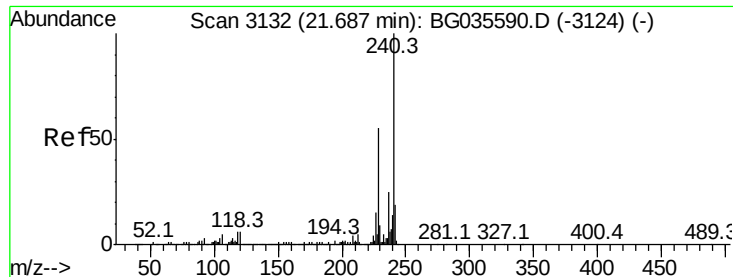


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

Instrument :

BNA_G

ClientSampleId :

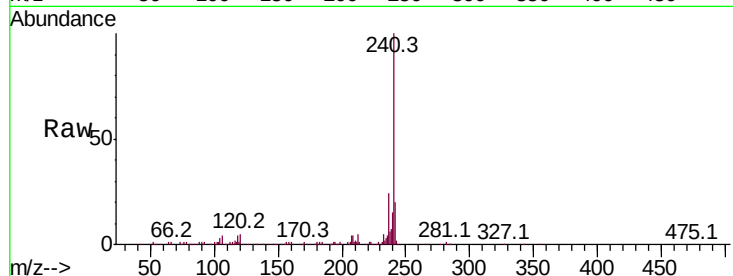
Tot Ion:240 Resp: 219732

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

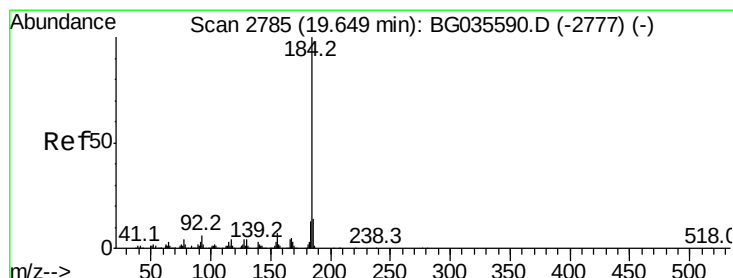
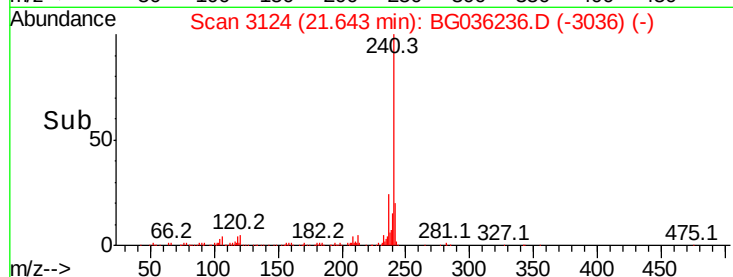
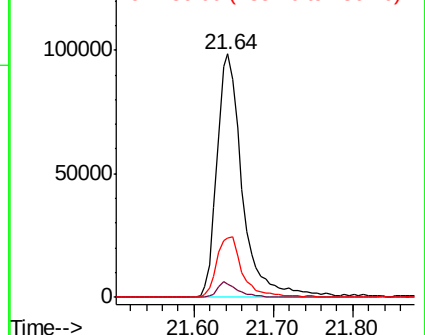
236 24.5 20.9 31.3



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: 2.696 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036236.D

Acq: 9 Aug 2018 16:58

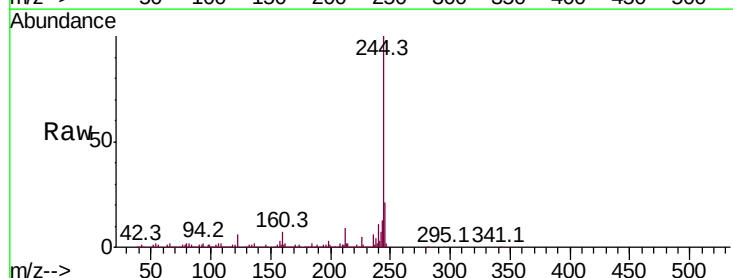
Tgt Ion:184 Resp: 15572

Ion Ratio Lower Upper

184 100

185 12.4 11.1 16.7

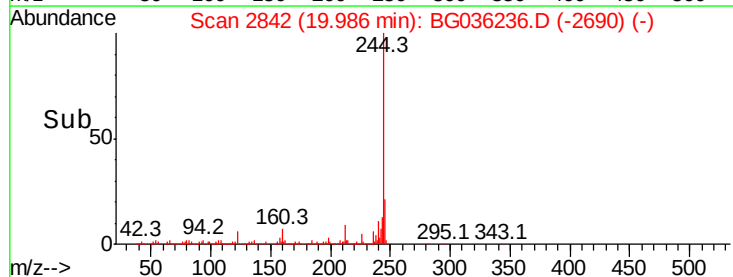
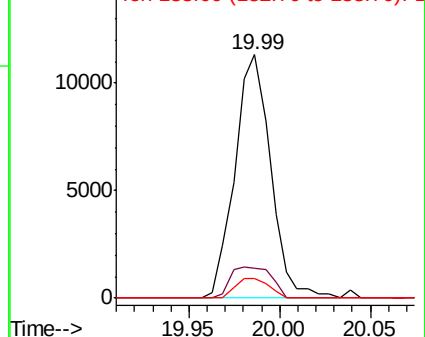
183 8.2 10.6 16.0#

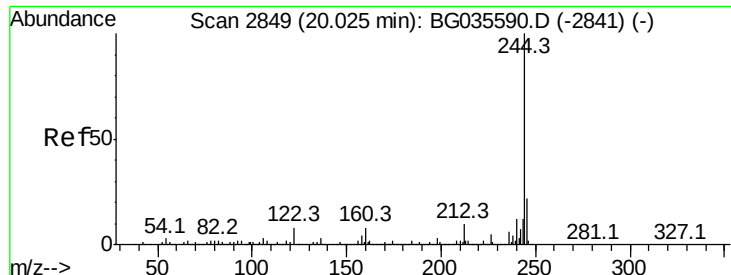


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

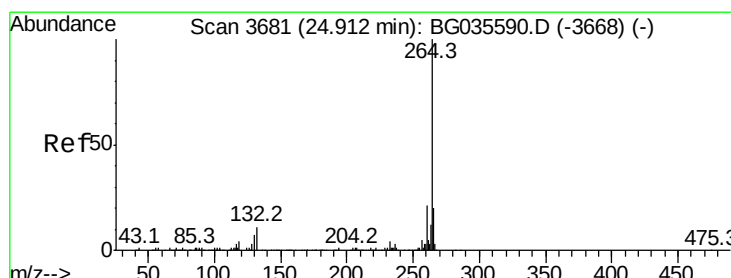
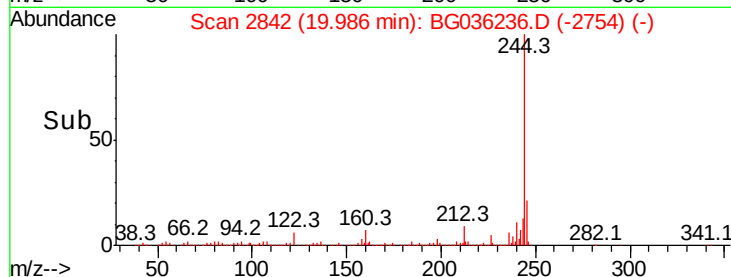
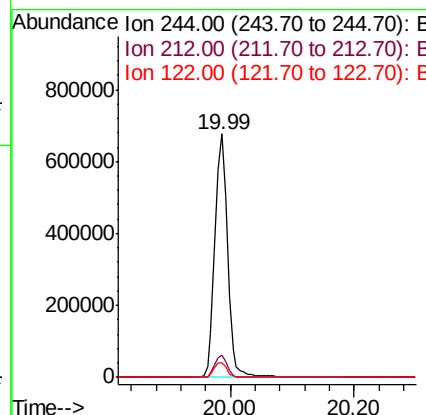
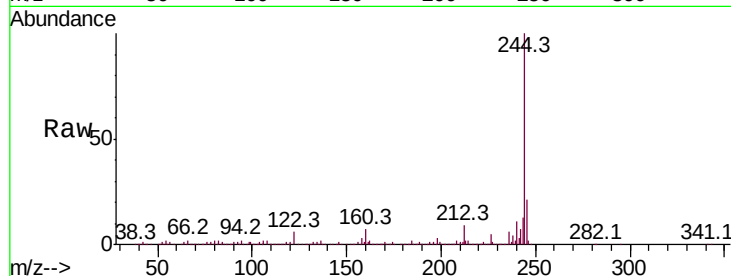




#78
 Terphenyl-d14
 Concen: 95.460 ng
 RT: 19.99 min Scan# 2842
 Delta R.T. -0.02 min
 Lab File: BG036236.D
 Acq: 9 Aug 2018 16:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 951575
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 6.2 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3667
 Delta R.T. -0.03 min
 Lab File: BG036236.D
 Acq: 9 Aug 2018 16:58

Tgt Ion:264 Resp: 200462
 Ion Ratio Lower Upper
 264 100
 260 21.2 17.4 26.0
 265 19.5 17.7 26.5

