

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\
 Data File : BG037878.D
 Acq On : 7 Nov 2018 23:54
 Operator : JU/SJ
 Sample : J5808-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 09:02:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

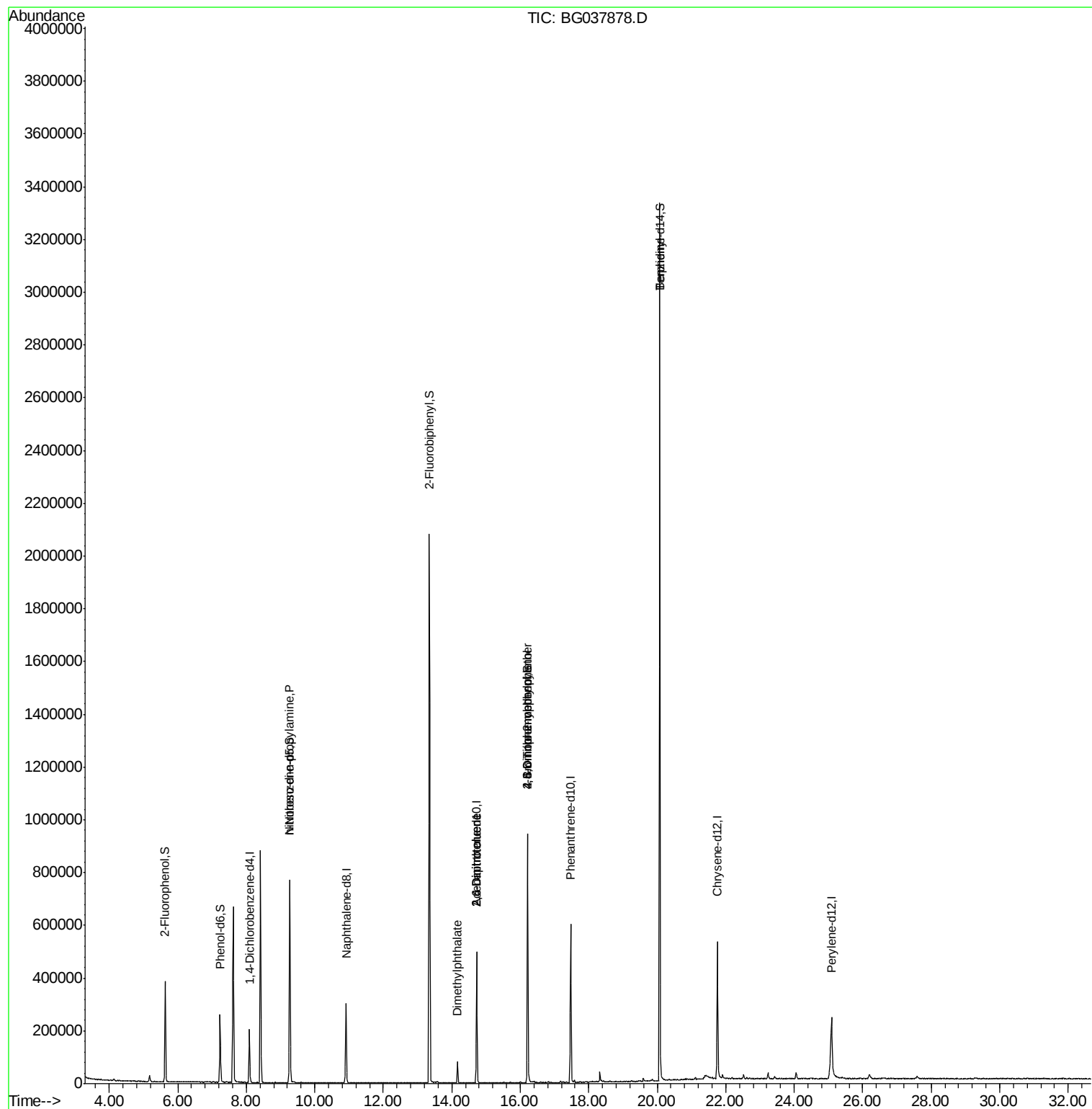
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	63114	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	275209	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	176346	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	391329	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	339842	20.00	ng	-0.02
87) Perylene-d12	25.09	264	320346	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	180844	47.90	ng	-0.01
7) Phenol-d6	7.24	99	166740	29.21	ng	-0.01
23) Nitrobenzene-d5	9.27	82	498598	101.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	180065	93.62	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1166734	99.77	ng	-0.02
79) Terphenyl-d14	20.07	244	1567994	98.59	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	63859	16.25	ng	# 69
50) Dimethylphthalate	14.17	163	59449	4.36	ng	# 98
51) 2,6-Dinitrotoluene	14.73	165	22561	7.48	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	22561	5.69	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	565	8.73	ng	# 72
67) 4-Bromophenyl-phenylether	16.21	248	12737	2.96	ng	# 1
77) Benzidine	20.07	184	26685	2.31	ng	96

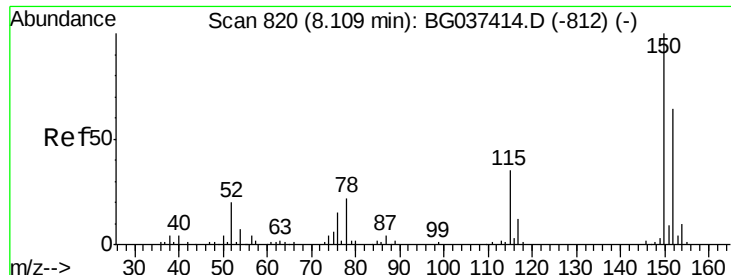
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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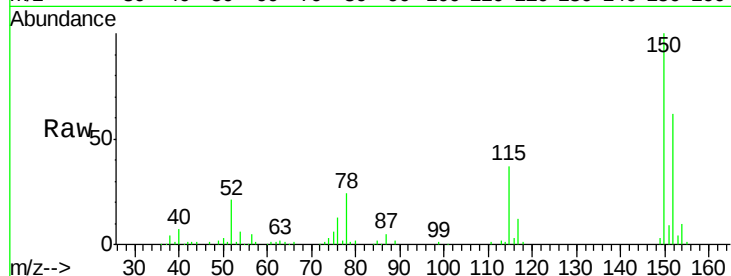


#1

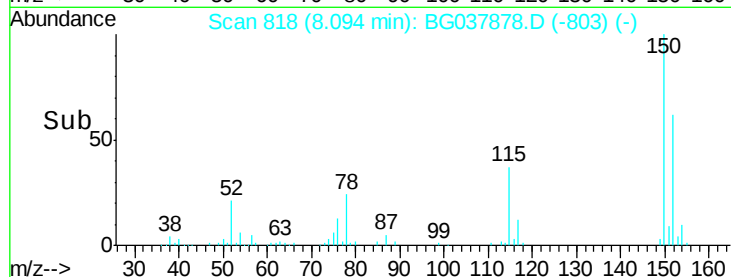
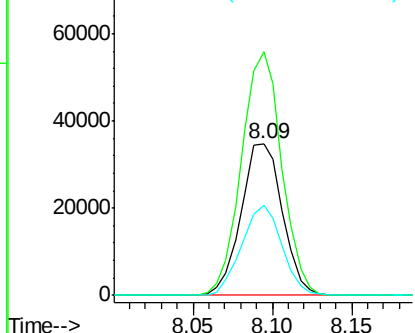
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63114
Ion Ratio Lower Upper
152 100
150 160.2 126.0 189.0
115 59.6 45.5 68.3



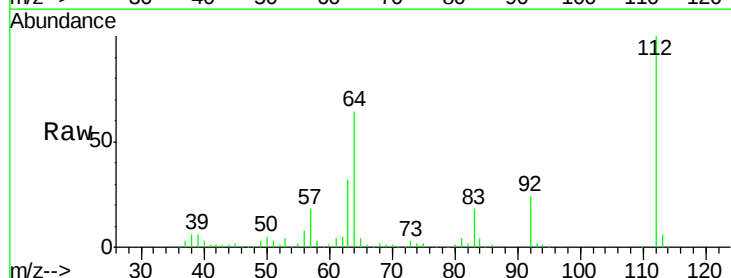
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



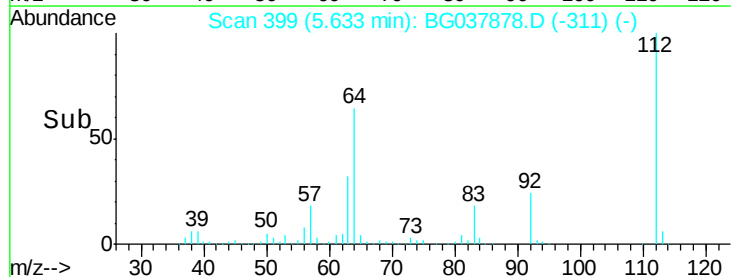
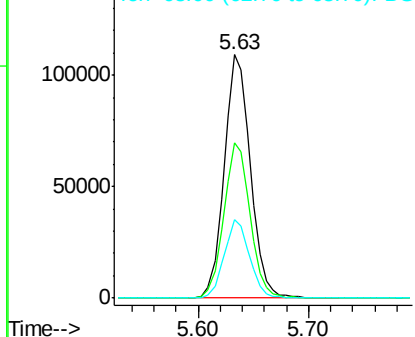
#5

2-Fluorophenol
Concen: 47.90 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Tgt Ion:112 Resp: 180844
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 32.0 27.3 40.9



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: 29.21 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

Instrument :

BNA_G

ClientSampleId :

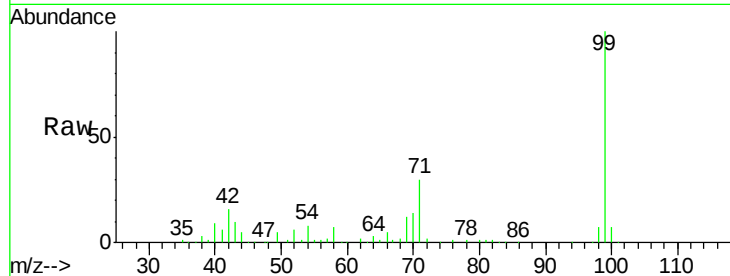
Tot Ion: 99 Resp: 166740

Ion Ratio Lower Upper

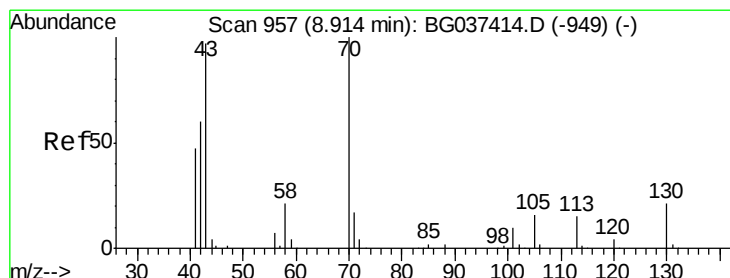
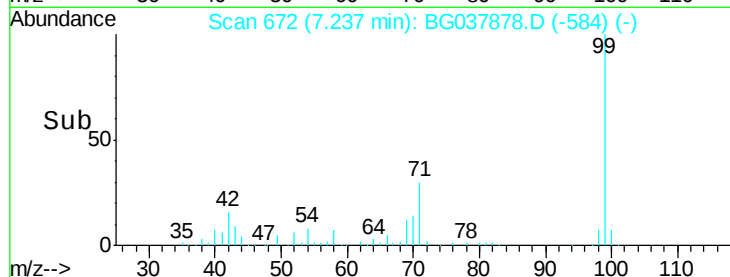
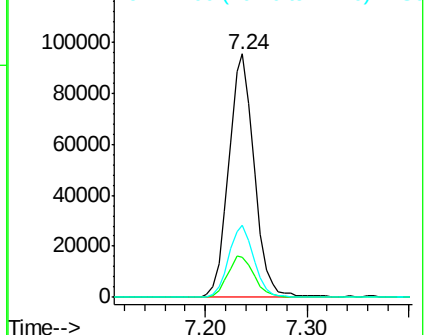
99 100

42 16.4 15.0 22.4

71 29.7 25.5 38.3



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: 16.25 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

Tgt Ion: 70 Resp: 63859

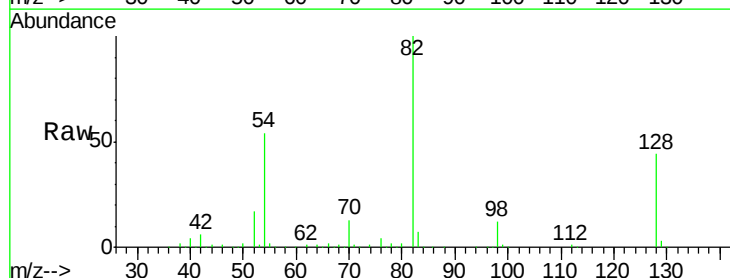
Ion Ratio Lower Upper

70 100

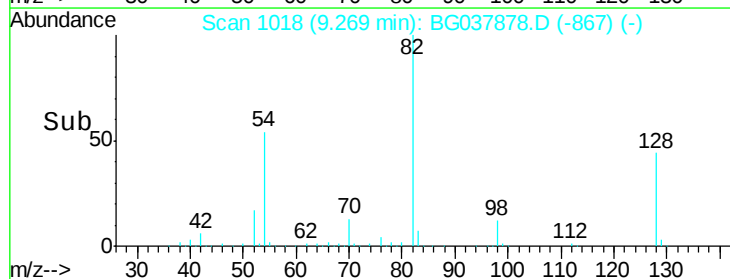
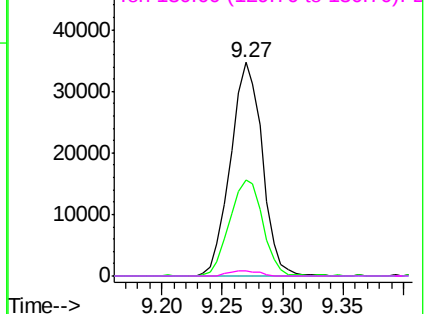
42 45.2 53.9 80.9#

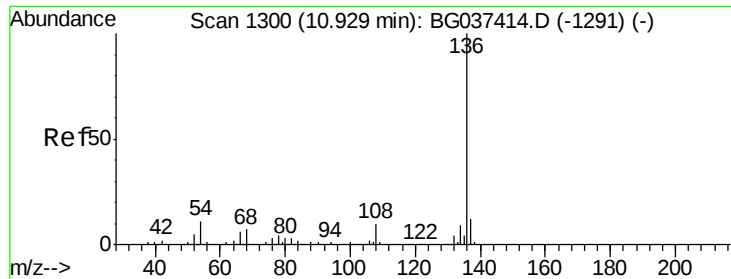
101 0.0 8.2 12.2#

130 2.4 18.2 27.4#



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

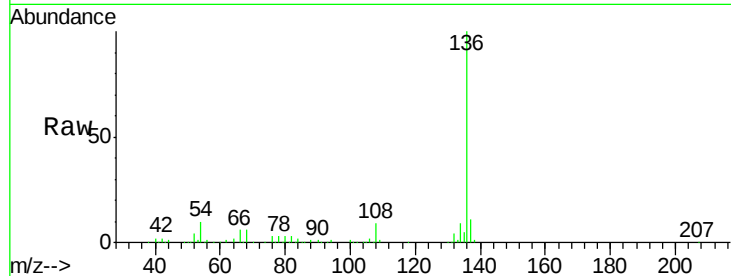




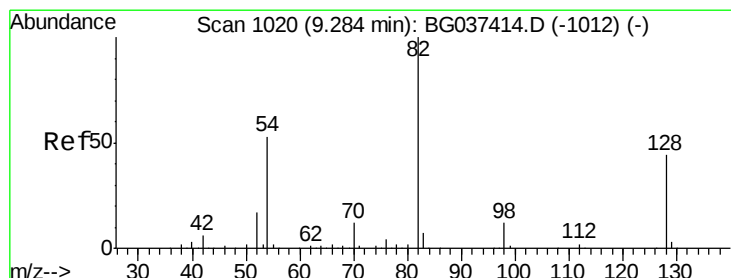
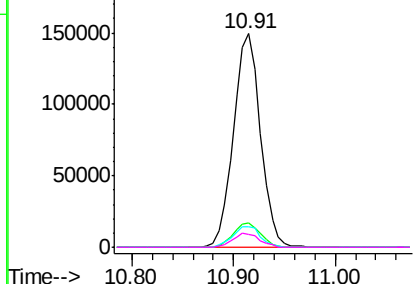
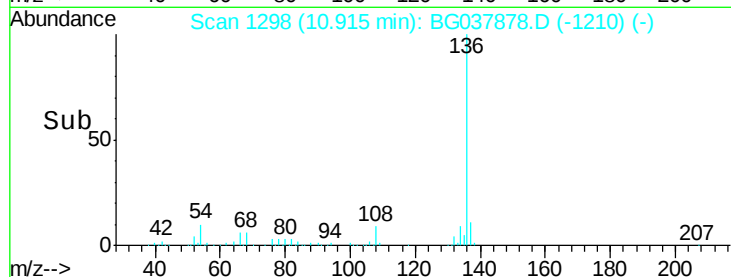
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	275209
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.6 14.4
54	9.8	7.9 11.9
68	6.1	4.8 7.2

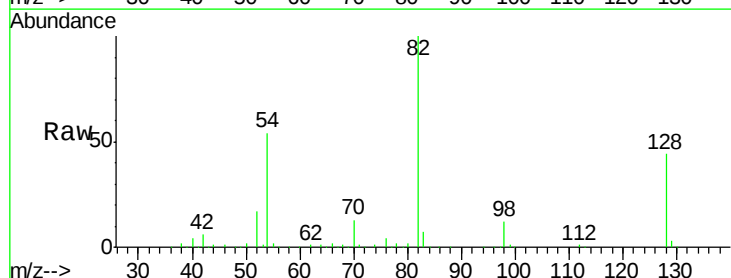


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

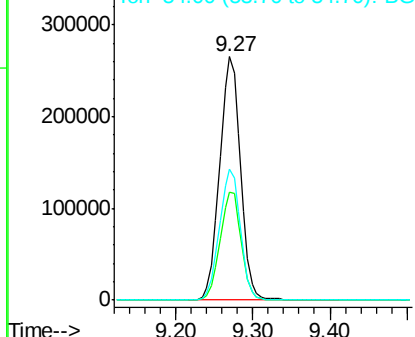
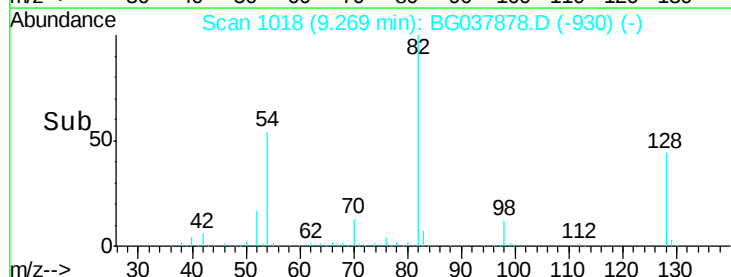


#23
Nitrobenzene-d5
Concen: 101.49 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Tgt Ion: 82	Resp:	498598
Ion	Ratio	Lower Upper
82	100	
128	44.3	34.6 51.8
54	53.9	45.3 67.9



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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

Instrument :

BNA_G

ClientSampleId :

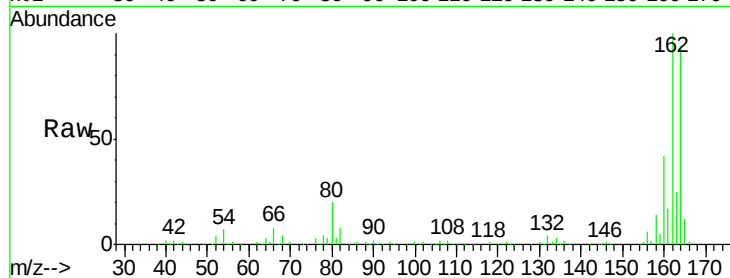
Tot Ion:164 Resp: 176346

Ion Ratio Lower Upper

164 100

162 106.5 81.3 121.9

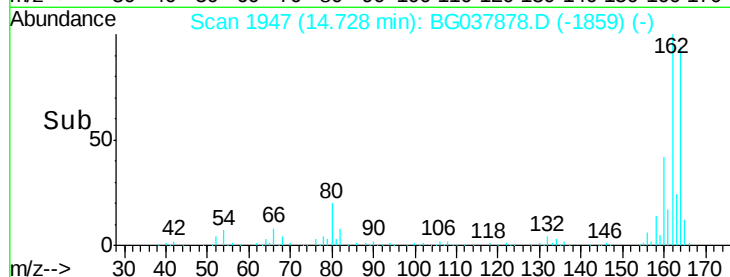
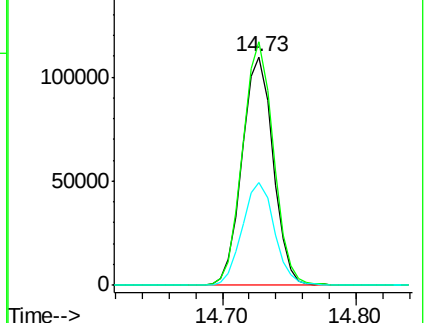
160 45.0 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 93.62 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

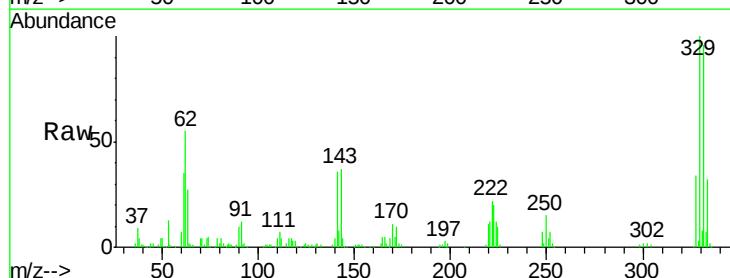
Tgt Ion:330 Resp: 180065

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

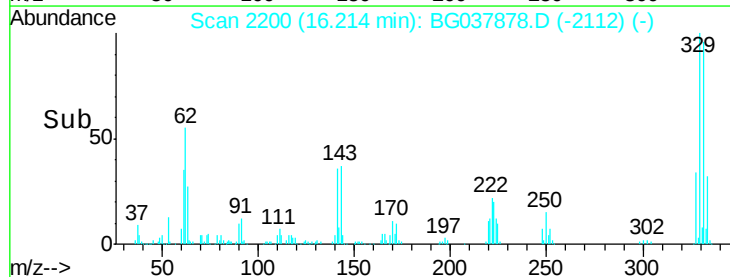
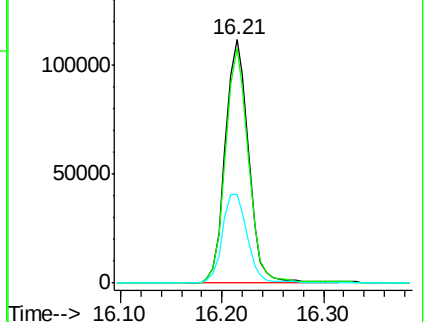
141 38.9 32.2 48.2



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



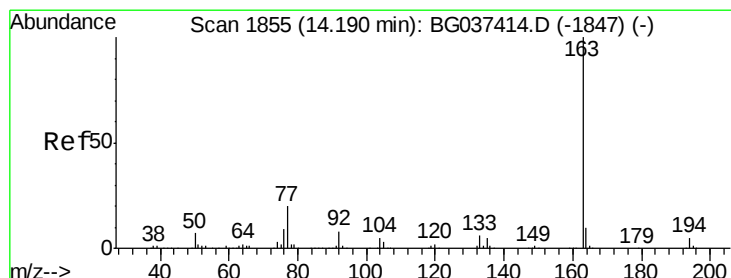
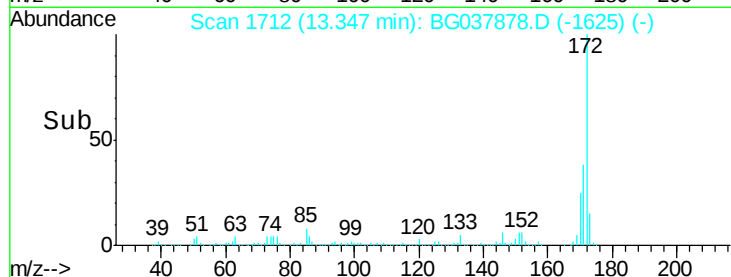
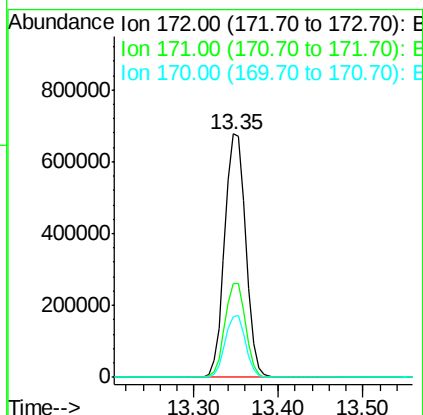
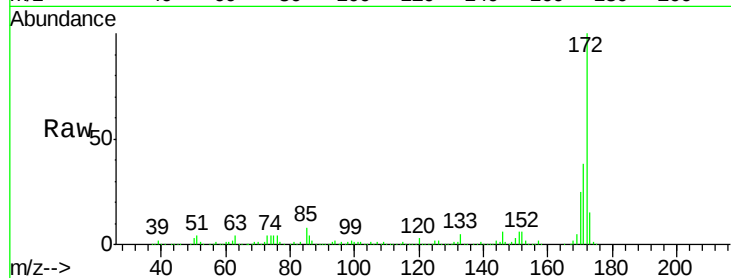


#45
 2-Fluorobiphenyl
 Concen: 99.77 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037878.D
 Acq: 7 Nov 2018 23:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1166734

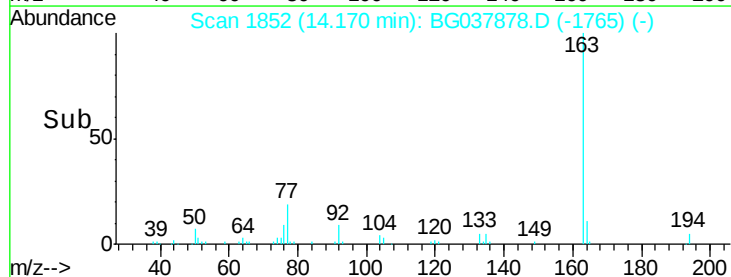
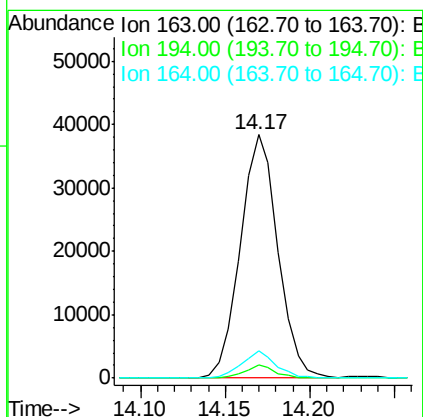
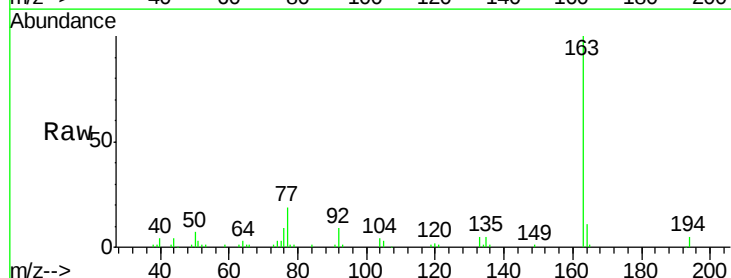
Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	25.1	20.2	30.2

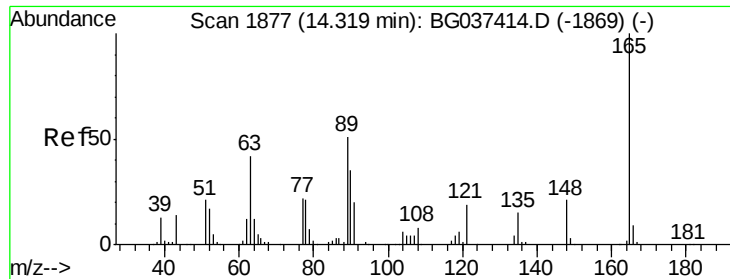


#50
 Dimethylphthalate
 Concen: 4.36 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BG037878.D
 Acq: 7 Nov 2018 23:54

Tgt Ion:163 Resp: 59449

Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.5	5.3#
164	11.1	8.5	12.7

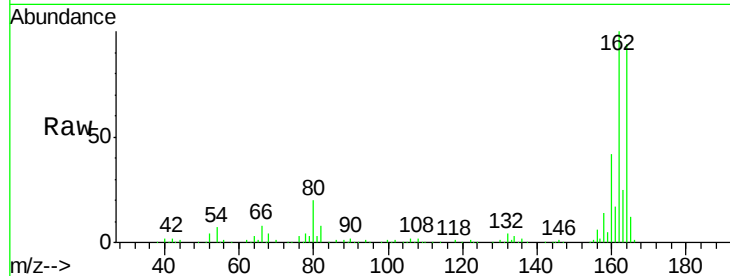




#51
 2,6-Dinitrotoluene
 Concen: 7.48 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037878.D
 Acq: 7 Nov 2018 23:54

Instrument :
 BNA_G
 ClientSampleId :

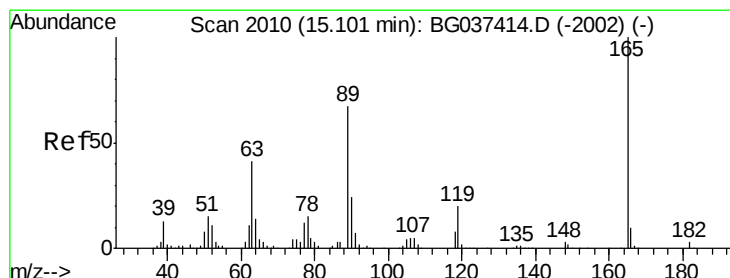
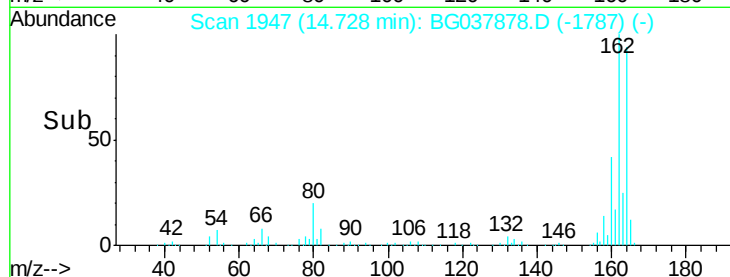
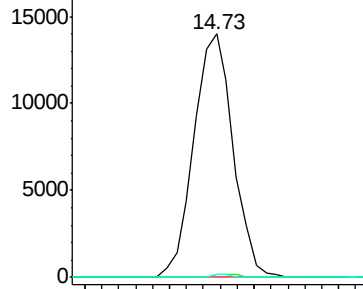
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.4	65.2#
89	1.4	45.8	68.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.69 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037878.D
 Acq: 7 Nov 2018 23:54

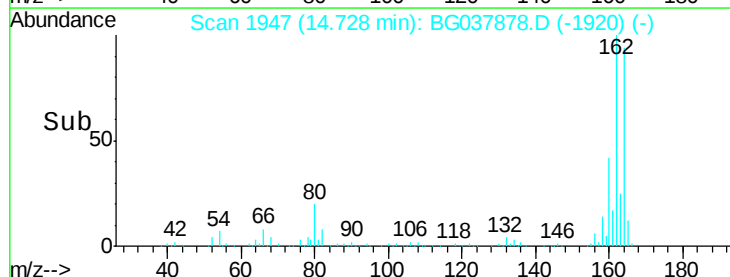
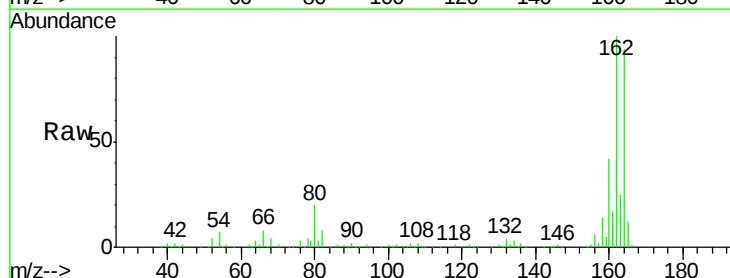
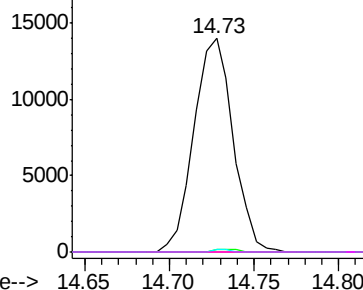
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.4	50.0#
89	1.4	57.2	85.8#
182	0.0	2.6	4.0#

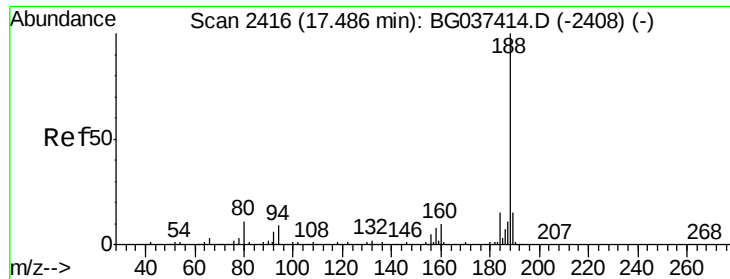
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

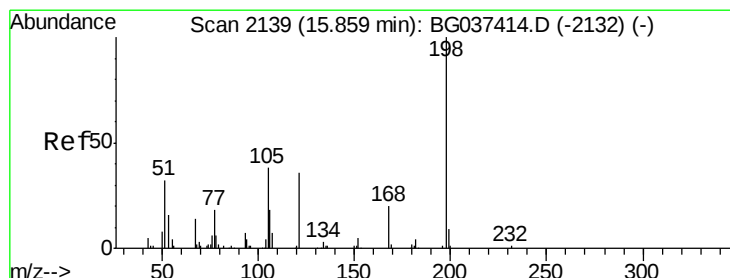
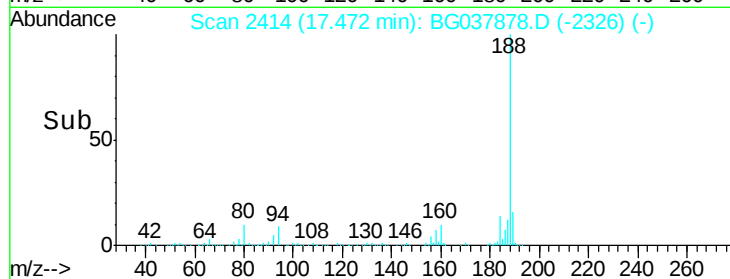
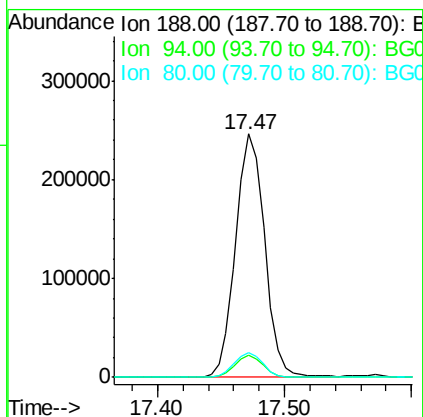
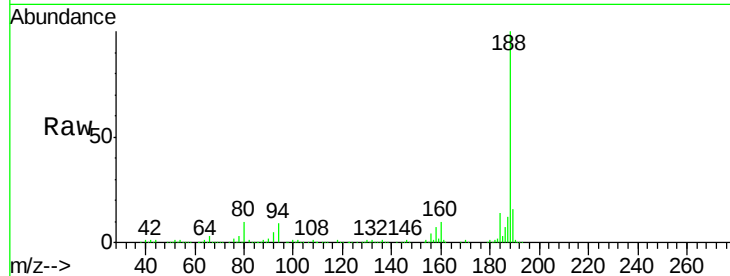




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

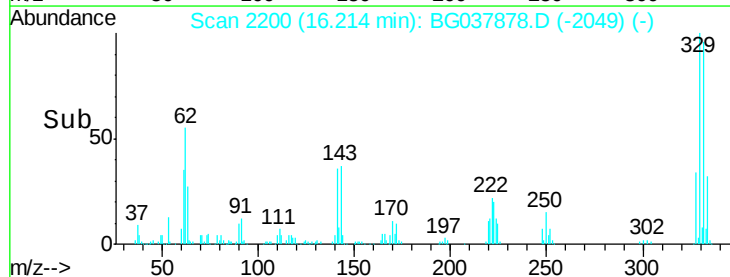
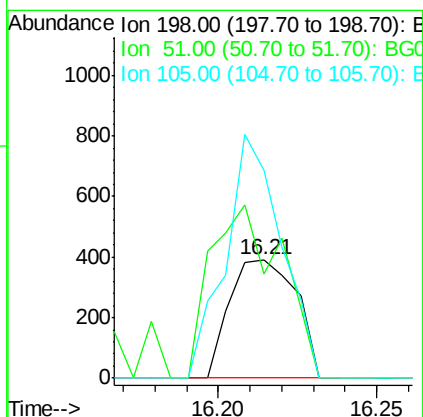
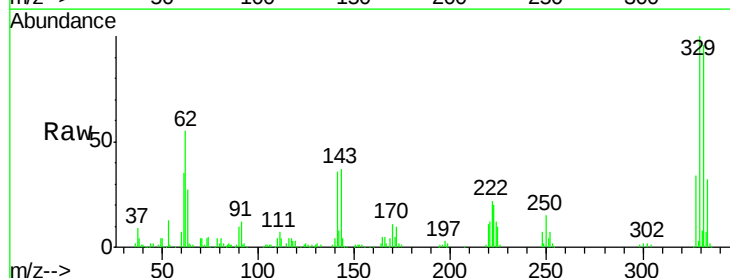
Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 391329
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.0 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.73 ng
RT: 16.21 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Tgt Ion:198 Resp: 565
Ion Ratio Lower Upper
198 100
51 15.9 22.7 62.7#
105 31.6 19.7 59.7





#67

4-Bromophenyl-phenylether

Concen: 2.96 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

Instrument :

BNA_G

ClientSampled :

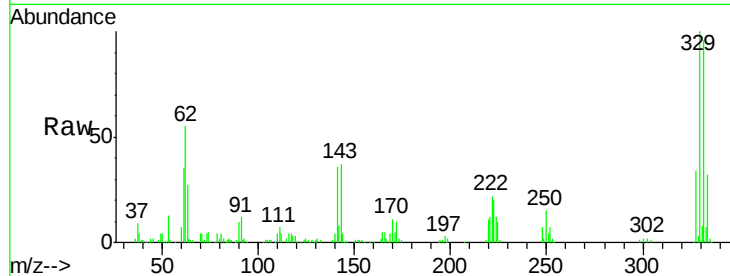
Tot Ion:248 Resp: 12737

Ion Ratio Lower Upper

248 100

250 196.8 77.0 115.6#

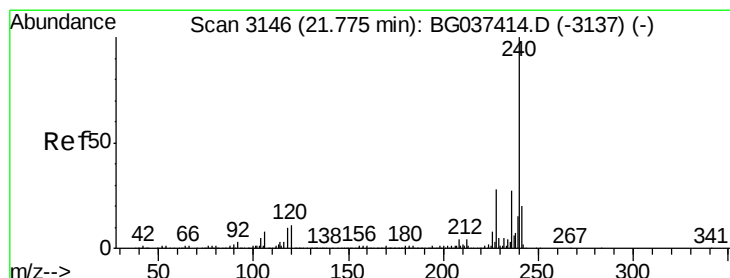
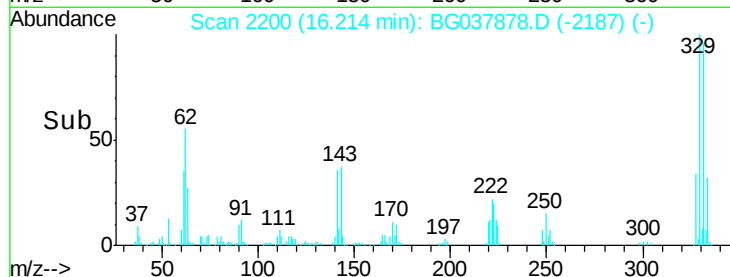
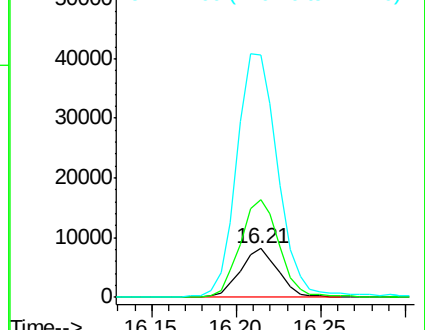
141 376.8 55.5 83.3#



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



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

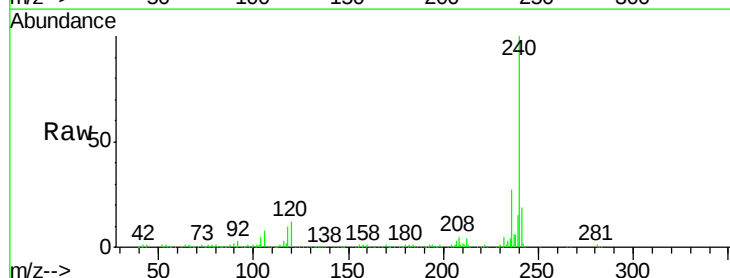
Tgt Ion:240 Resp: 339842

Ion Ratio Lower Upper

240 100

120 11.8 8.1 12.1

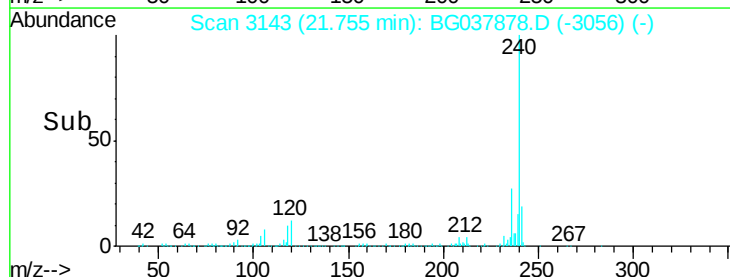
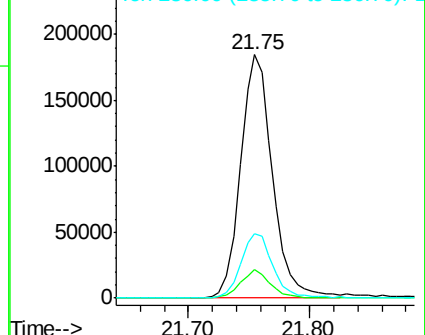
236 26.7 21.4 32.0

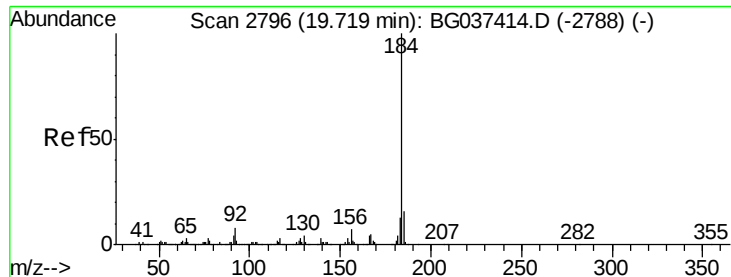


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.31 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.36 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

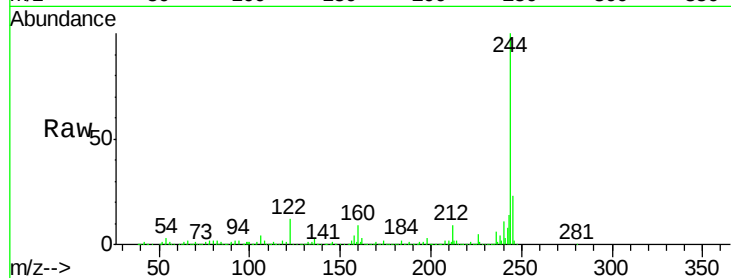
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 26685

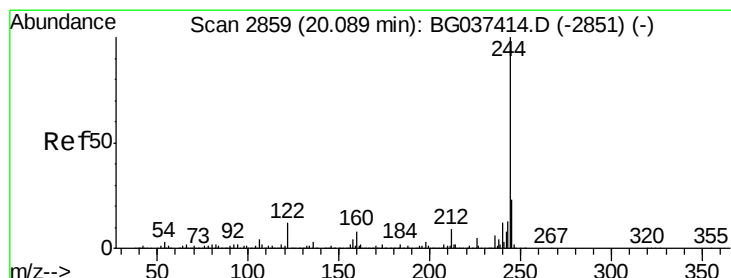
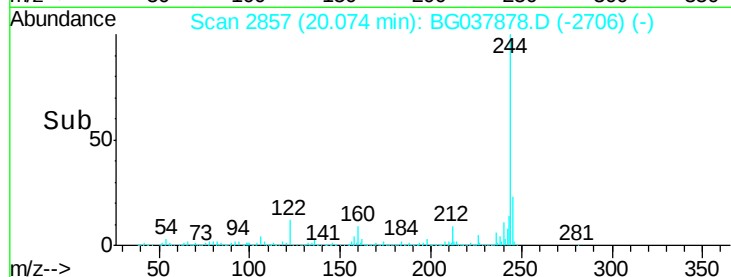
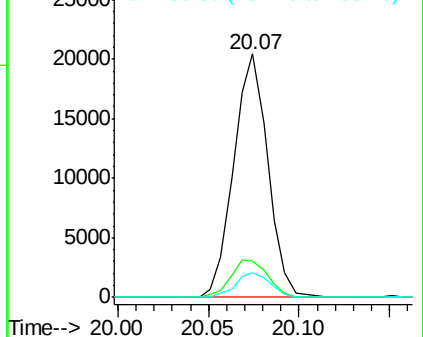
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.6	18.8
183	10.2	10.2	15.2



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



#79

Terphenyl-d14

Concen: 98.59 ng

RT: 20.07 min Scan# 2857

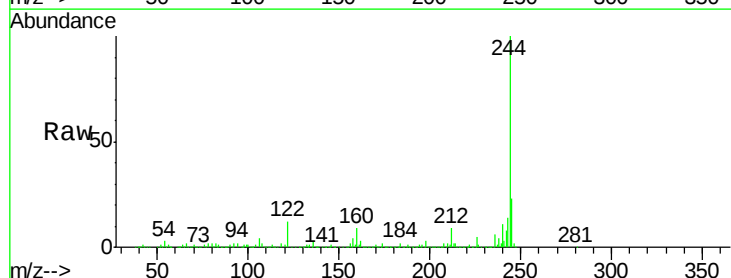
Delta R.T. -0.01 min

Lab File: BG037878.D

Acq: 7 Nov 2018 23:54

Tgt Ion:244 Resp: 1567994

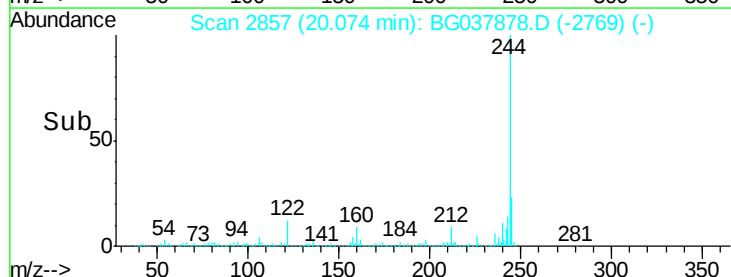
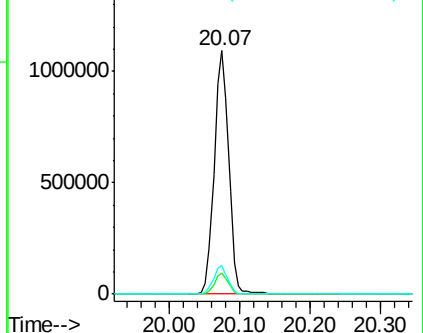
Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.5	9.7
122	11.8	9.0	13.4

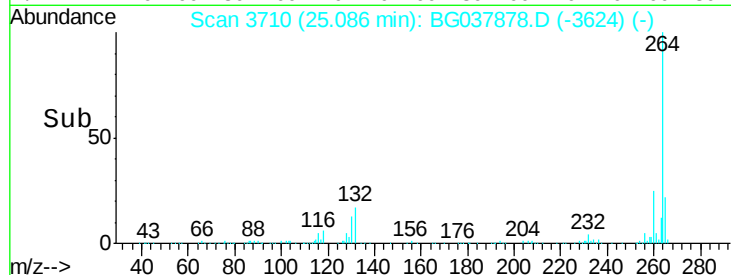
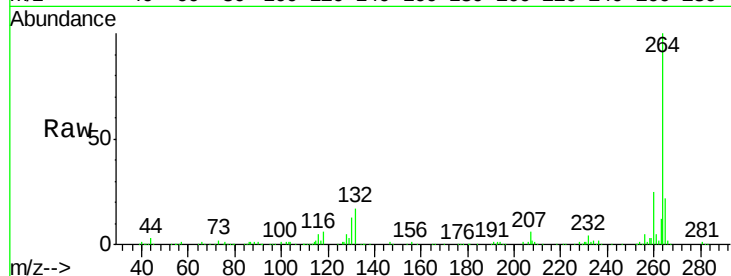
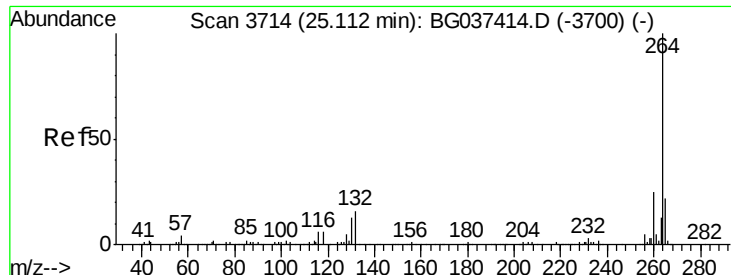


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.00 ng
RT: 25.09 min Scan# 3710
Delta R.T. -0.03 min
Lab File: BG037878.D
Acq: 7 Nov 2018 23:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264	Resp:	320346
Ion	Ratio	Lower Upper
264	100	
260	25.2	18.2 27.4
265	22.0	17.9 26.9

