

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
 Data File : BG037776.D
 Acq On : 3 Nov 2018 5:10
 Operator : JU/SJ
 Sample : J5759-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 03 06:52:14 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

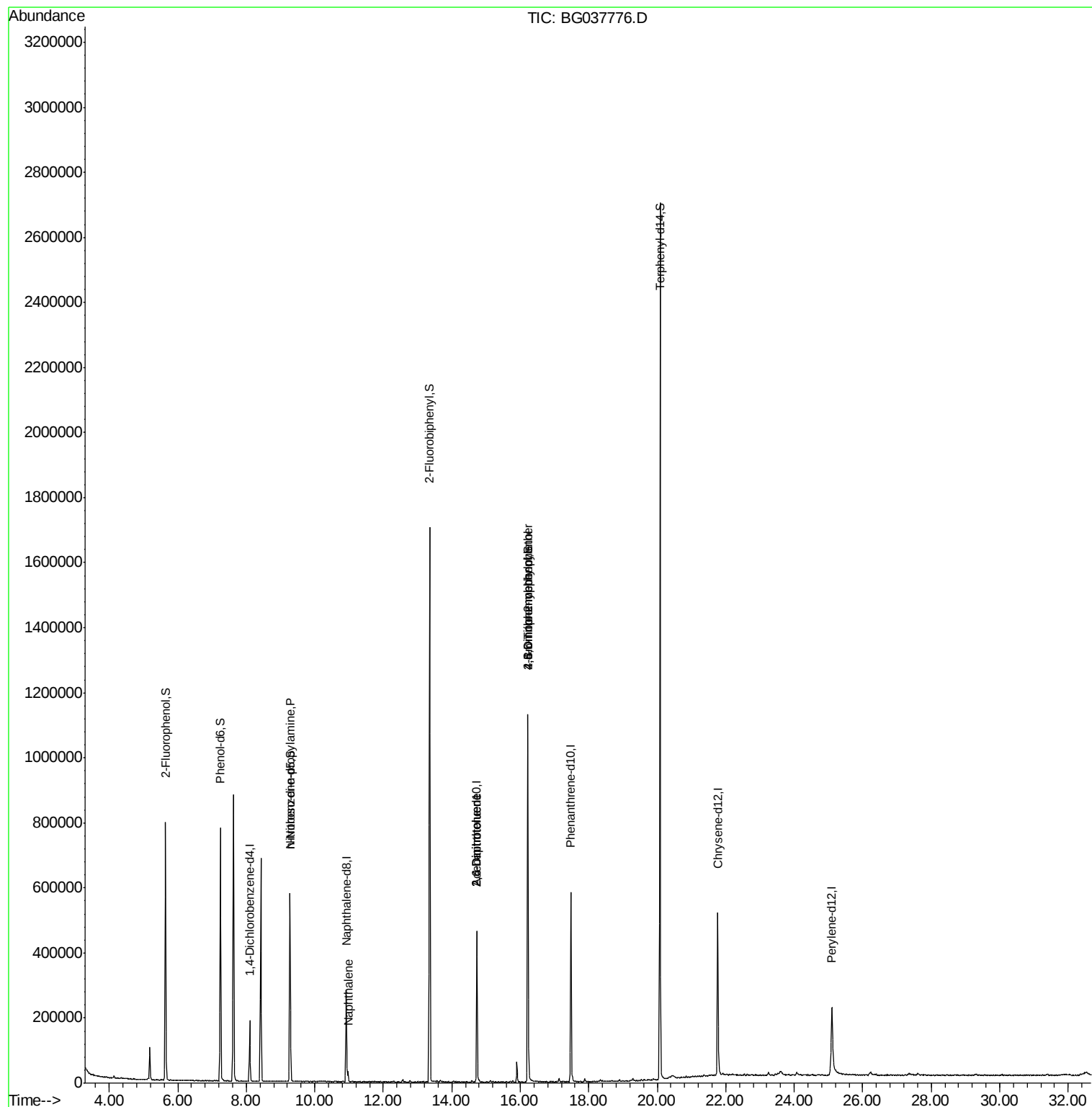
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	57658	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	253559	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	168436	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	375712	20.00	ng	0.00
76) Chrysene-d12	21.77	240	341964	20.00	ng	0.00
87) Perylene-d12	25.10	264	298573	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	373874	108.41	ng	0.00
7) Phenol-d6	7.24	99	497363	95.37	ng	0.00
23) Nitrobenzene-d5	9.27	82	375327	82.92	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	226166	123.11	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	928114	83.09	ng	-0.02
79) Terphenyl-d14	20.08	244	1339014	83.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	46818	13.037	ng	# 72
31) Naphthalene	10.97	128	28319	2.274	ng	# 97
51) 2,6-Dinitrotoluene	14.73	165	21407	7.426	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	21407	5.657	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	649	8.778	ng	# 77
67) 4-Bromophenyl-phenylether	16.22	248	16093	3.900	ng	# 1

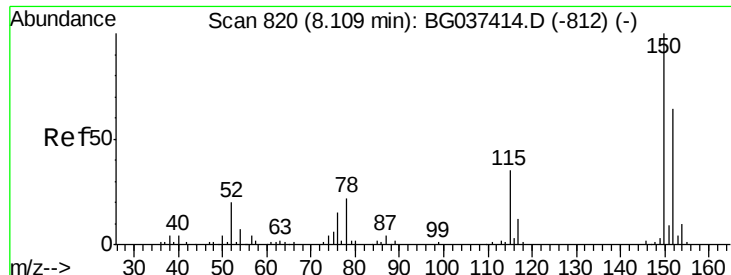
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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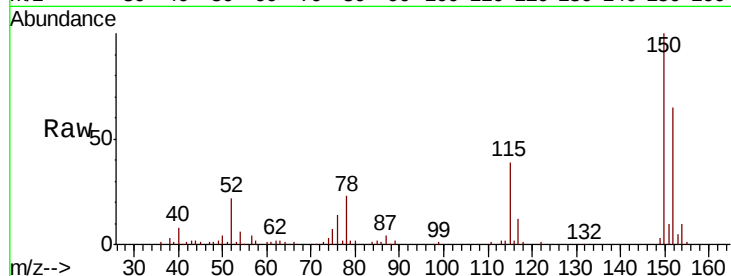


#1

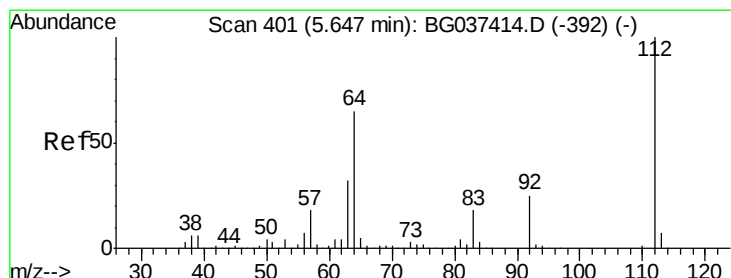
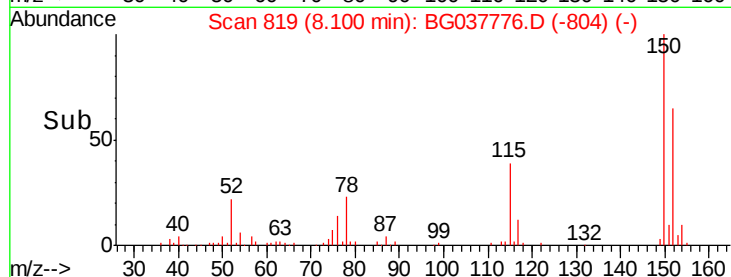
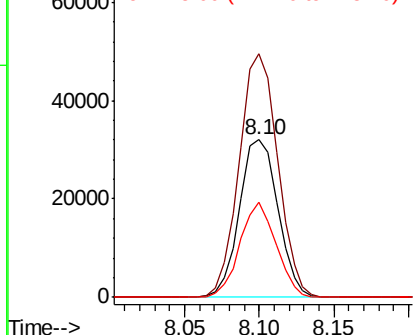
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037776.D
Acq: 3 Nov 2018 5:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57658
Ion Ratio Lower Upper
152 100
150 154.5 126.0 189.0
115 60.0 45.5 68.3



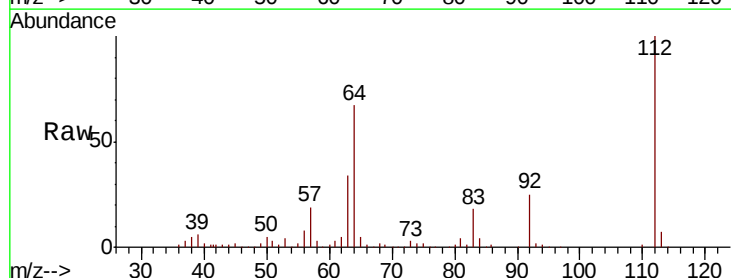
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



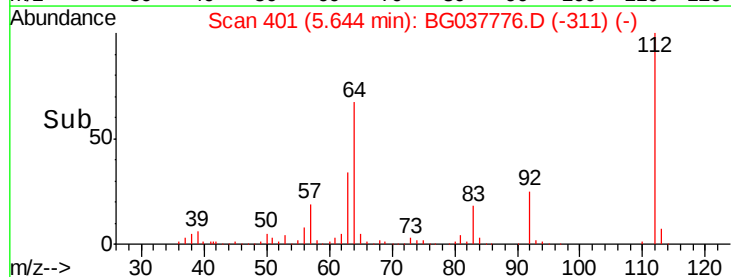
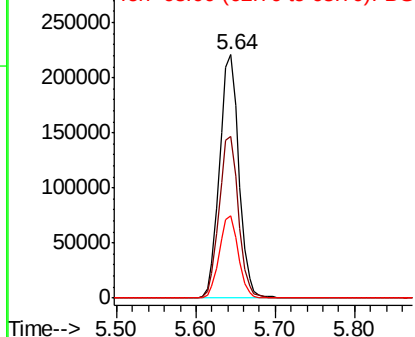
#5

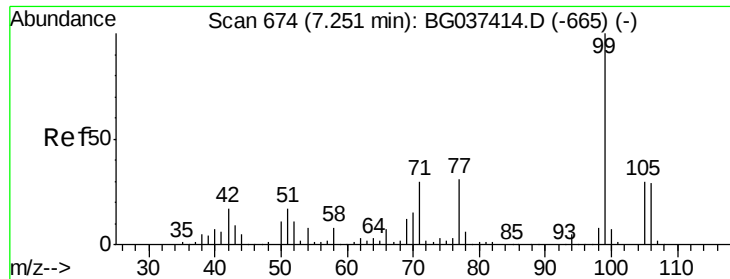
2-Fluorophenol
Concen: 108.409 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037776.D
Acq: 3 Nov 2018 5:10

Tgt Ion:112 Resp: 373874
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.7 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: 95.373 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Instrument :

BNA_G

ClientSampleId :

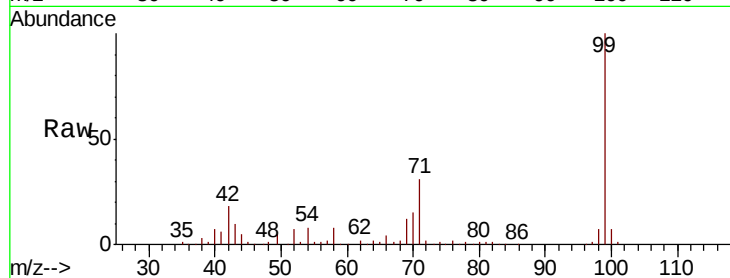
Tot Ion: 99 Resp: 497363

Ion Ratio Lower Upper

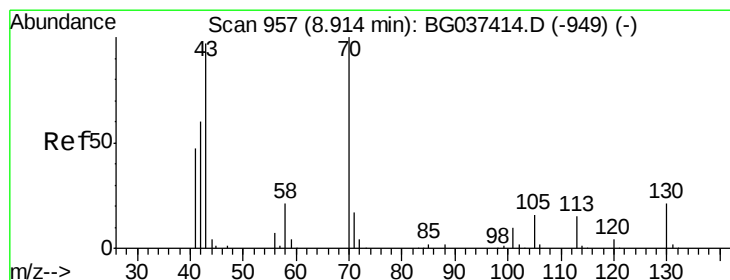
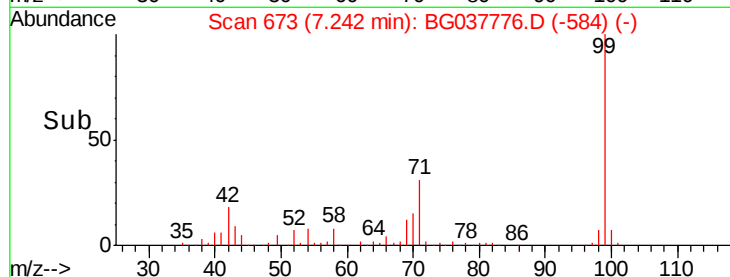
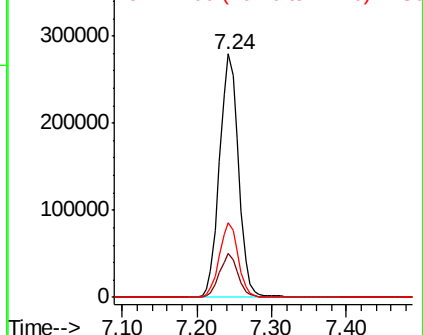
99 100

42 18.0 15.0 22.4

71 30.8 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: 13.037 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Tgt Ion: 70 Resp: 46818

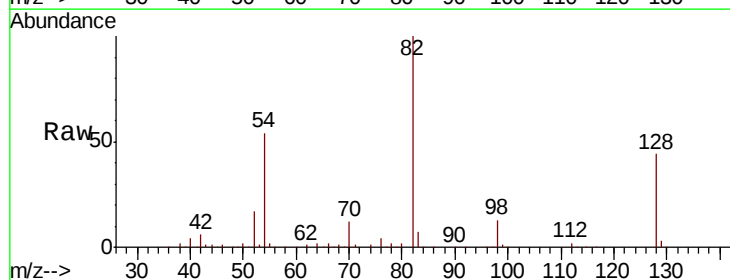
Ion Ratio Lower Upper

70 100

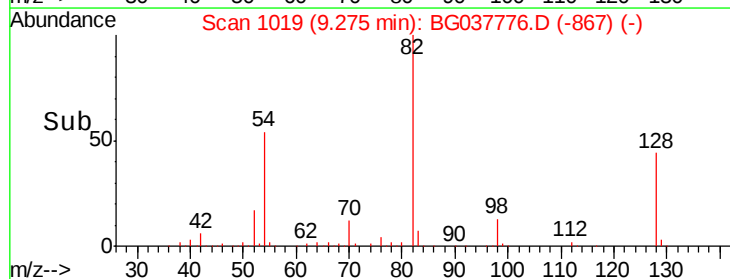
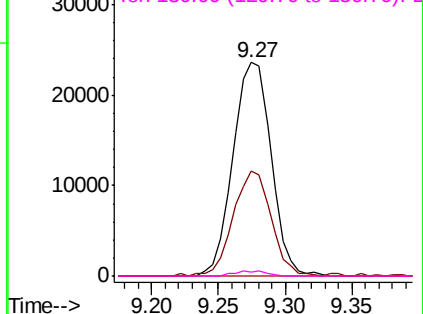
42 49.1 53.9 80.9#

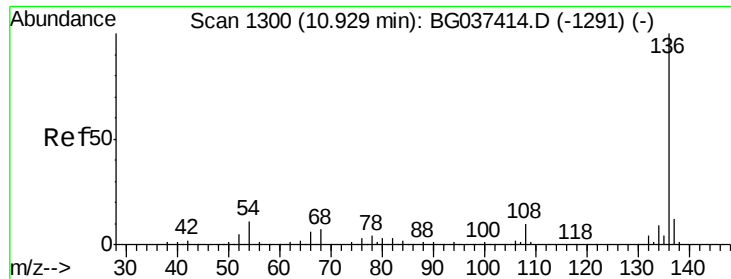
101 0.0 8.2 12.2#

130 1.5 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

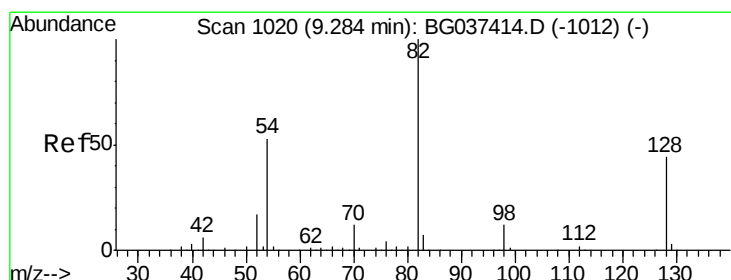
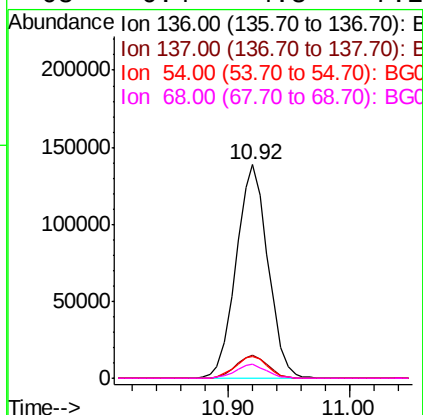
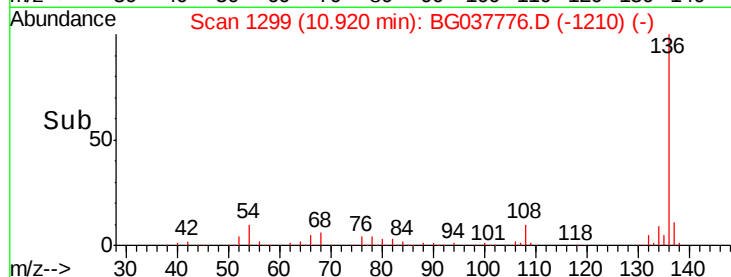
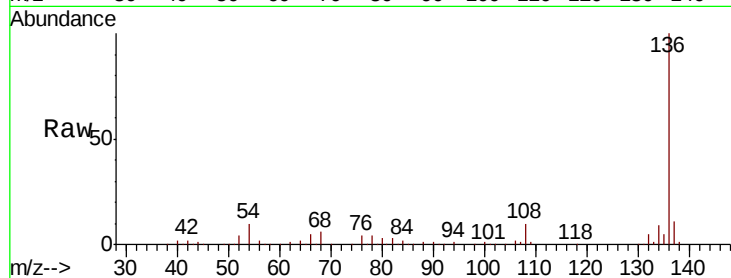




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037776.D
Acq: 3 Nov 2018 5:10

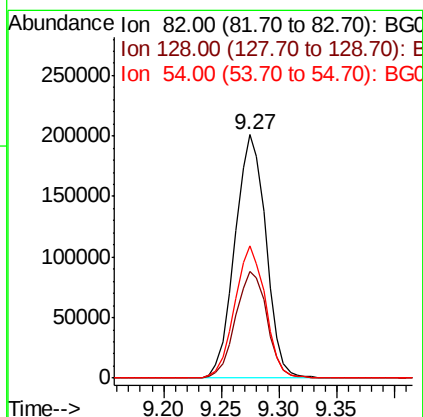
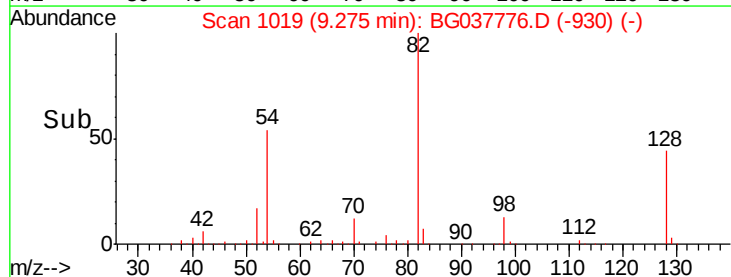
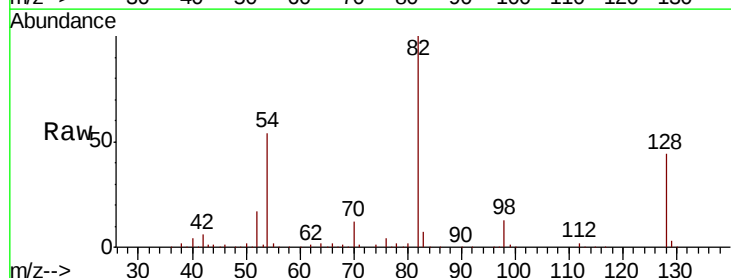
Instrument :
BNA_G
ClientSampleId :

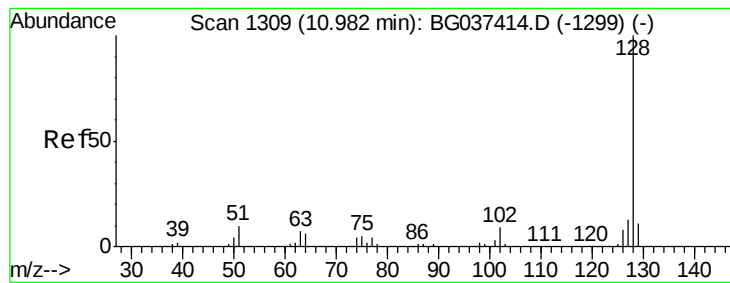
Tot Ion:136	Resp:	253559
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.6 14.4
54	10.1	7.9 11.9
68	6.4	4.8 7.2



#23
Nitrobenzene-d5
Concen: 82.921 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037776.D
Acq: 3 Nov 2018 5:10

Tgt Ion: 82	Resp:	375327
Ion Ratio	Lower	Upper
82	100	
128	43.9	34.6 51.8
54	54.5	45.3 67.9





#31

Naphthalene

Concen: 2.274 ng

RT: 10.97 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Instrument :

BNA_G

ClientSampleId :

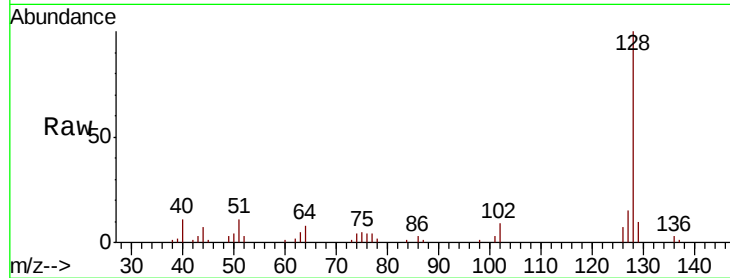
Tot Ion:128 Resp: 28319

Ion Ratio Lower Upper

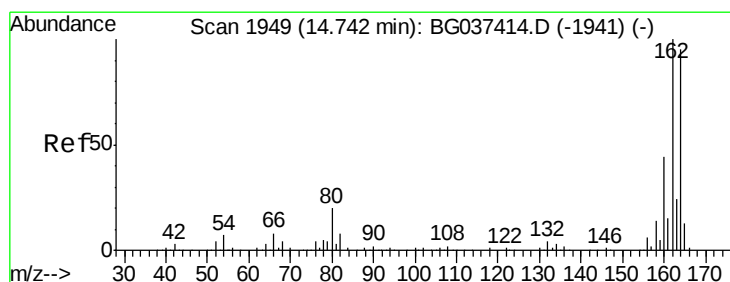
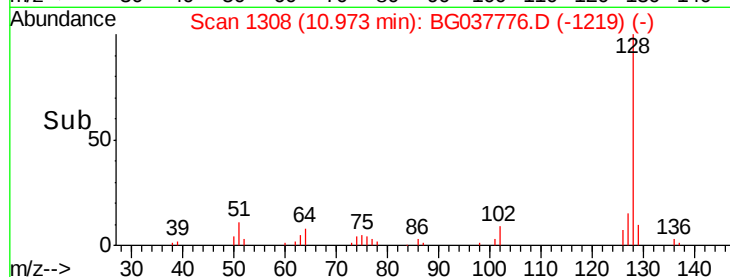
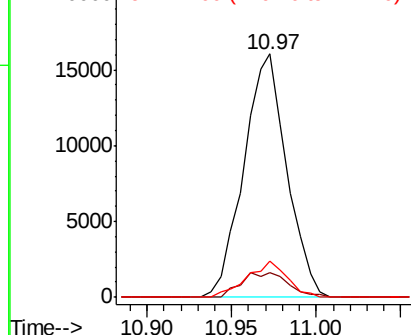
128 100

129 10.3 9.0 13.6

127 15.1 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

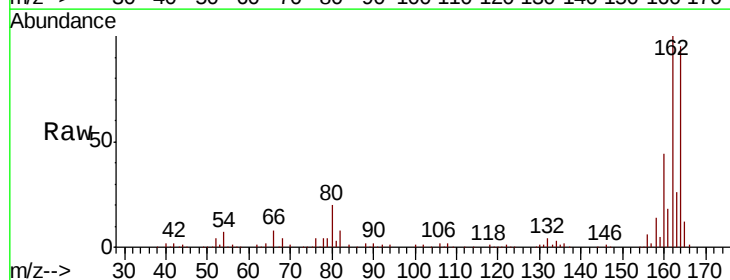
Tgt Ion:164 Resp: 168436

Ion Ratio Lower Upper

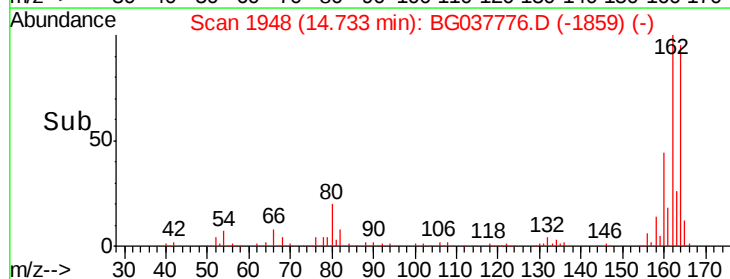
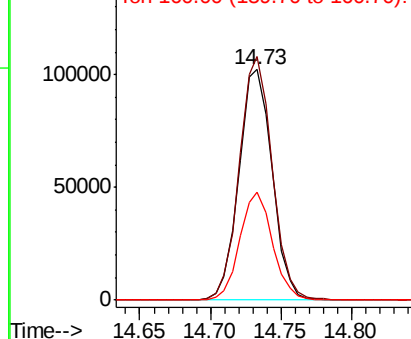
164 100

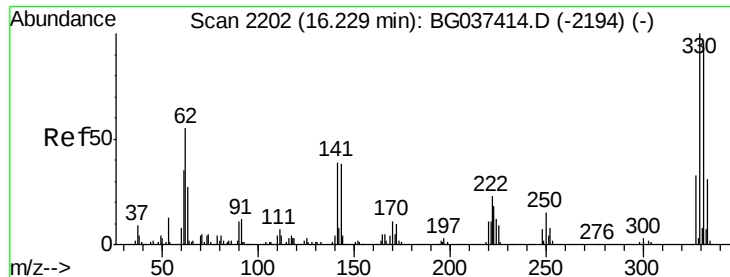
162 105.6 81.3 121.9

160 46.6 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: 123.109 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Instrument :

BNA_G

ClientSampleId :

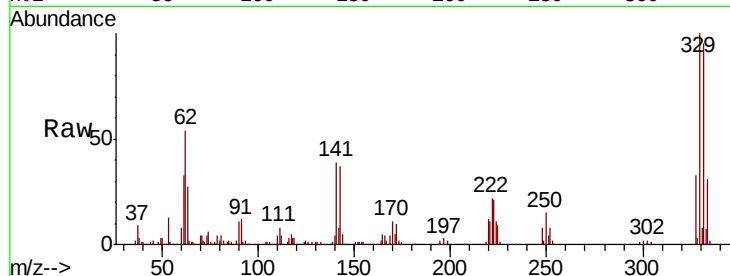
Tot Ion:330 Resp: 226166

Ion Ratio Lower Upper

330 100

332 94.3 78.4 117.6

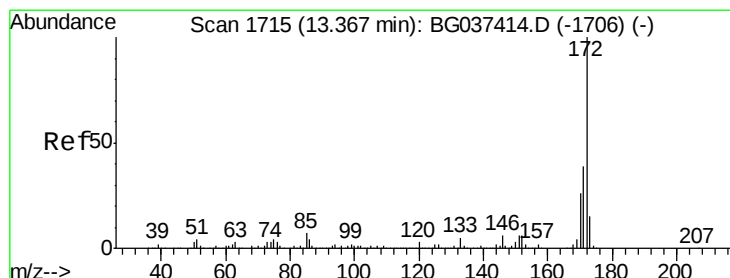
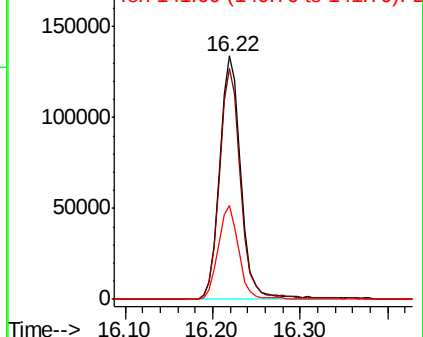
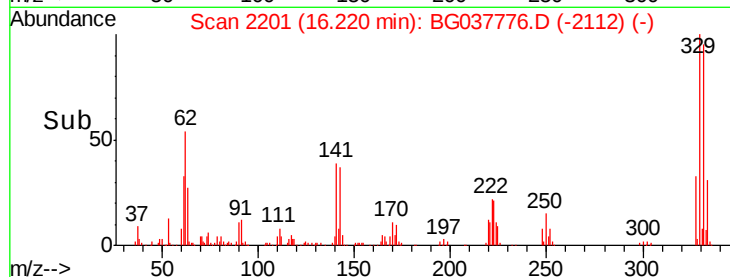
141 37.5 32.2 48.2



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: 83.091 ng

RT: 13.35 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

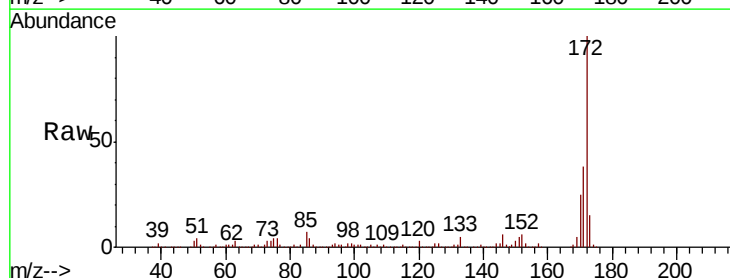
Tgt Ion:172 Resp: 928114

Ion Ratio Lower Upper

172 100

171 38.3 31.0 46.4

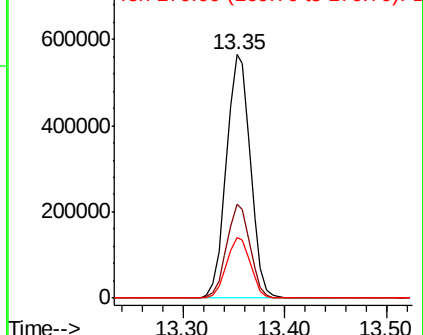
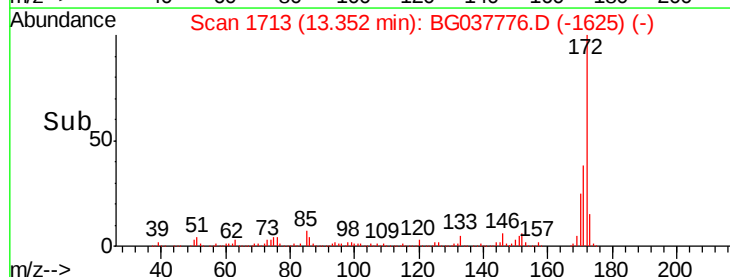
170 24.7 20.2 30.2

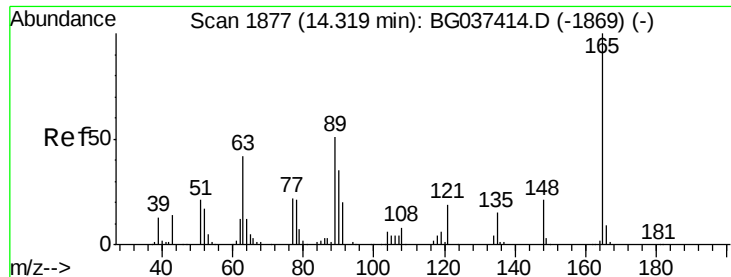


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

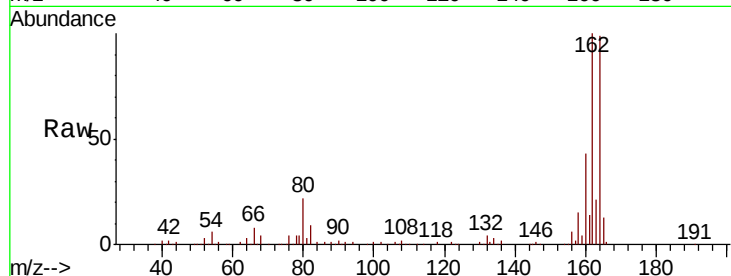




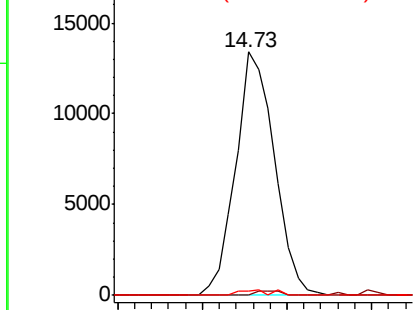
#51
 2,6-Dinitrotoluene
 Concen: 7.426 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037776.D
 Acq: 3 Nov 2018 5:10

Instrument :
 BNA_G
 ClientSampleId :

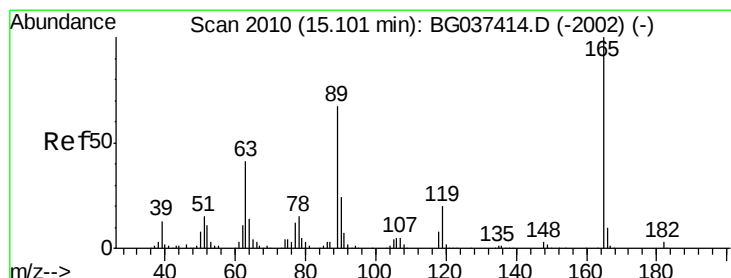
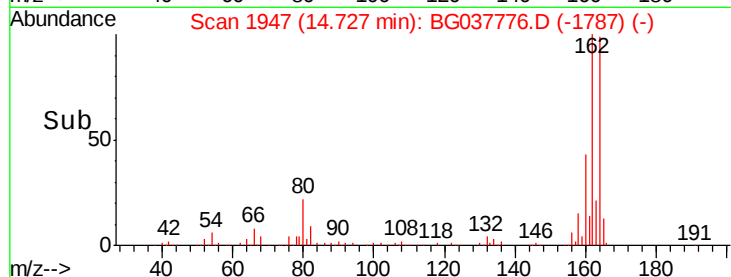
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.5	45.8	68.6#



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

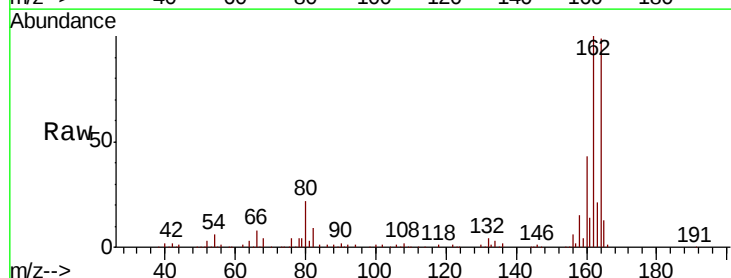


Time--> 14.65 14.70 14.75 14.80

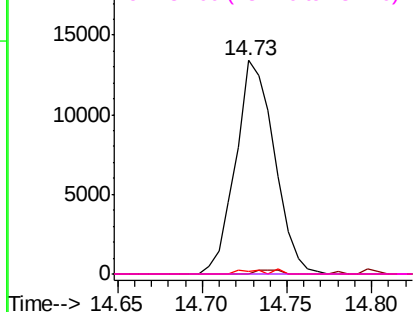


#57
 2,4-Dinitrotoluene
 Concen: 5.657 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037776.D
 Acq: 3 Nov 2018 5:10

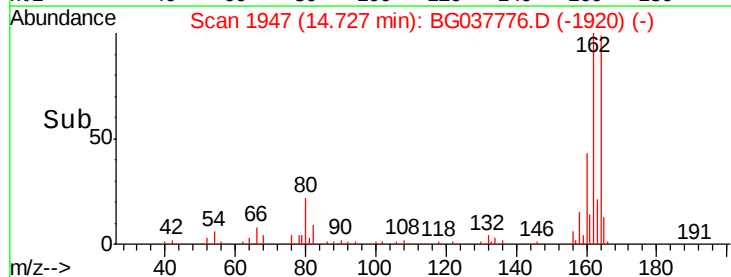
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.5	57.2	85.8#
182	0.0	2.6	4.0#

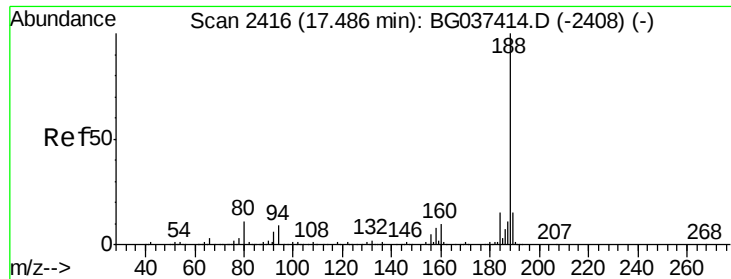


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E



Time--> 14.65 14.70 14.75 14.80





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Instrument :

BNA_G

ClientSampleId :

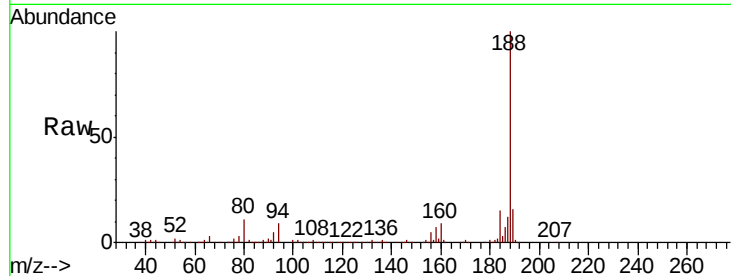
Tot Ion:188 Resp: 375712

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

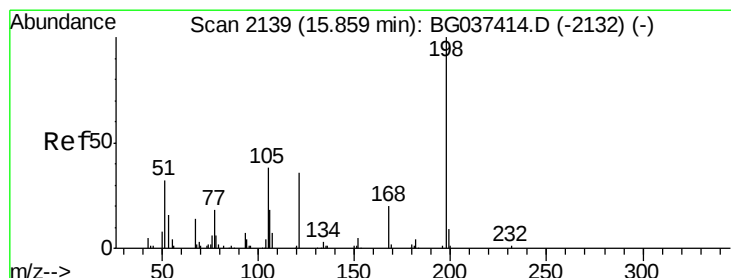
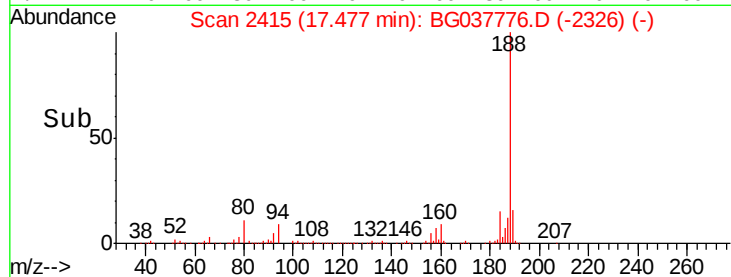
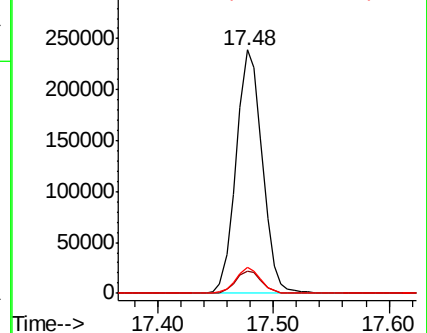
80 10.5 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.778 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

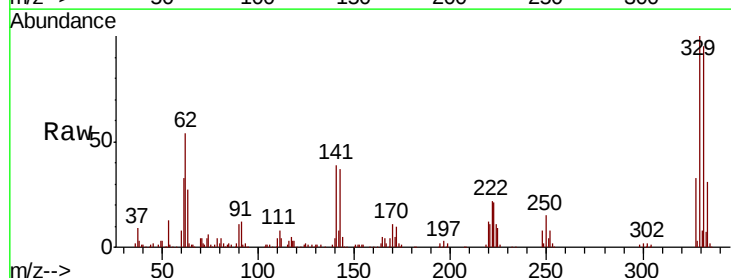
Tgt Ion:198 Resp: 649

Ion Ratio Lower Upper

198 100

51 22.6 22.7 62.7#

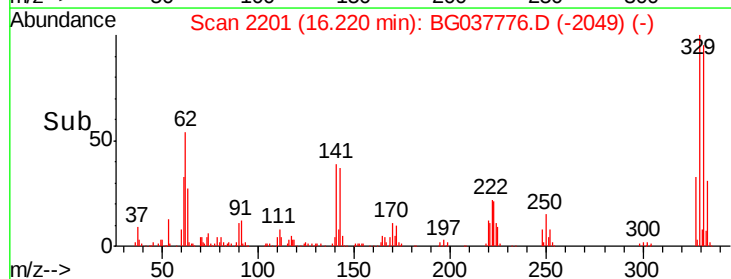
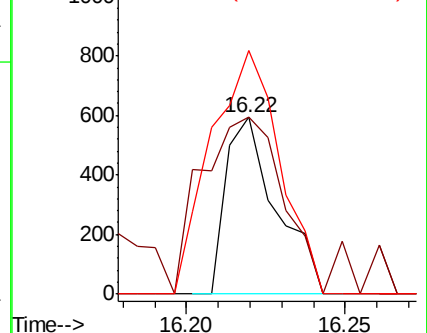
105 31.1 19.7 59.7

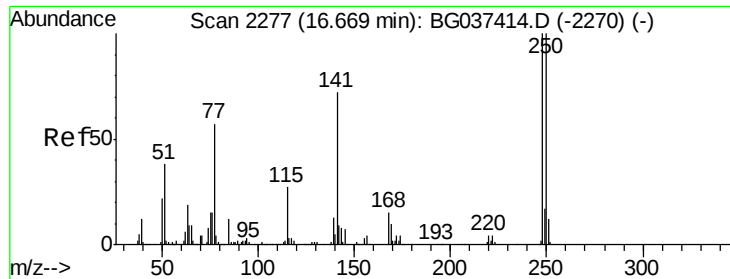


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

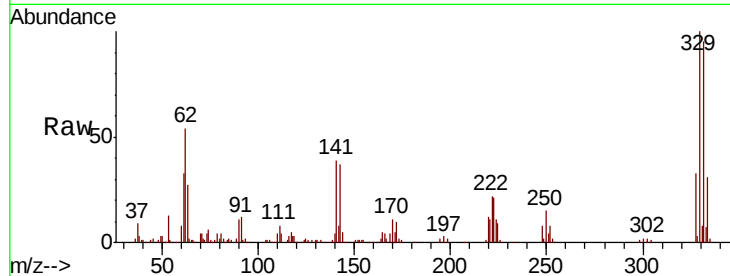




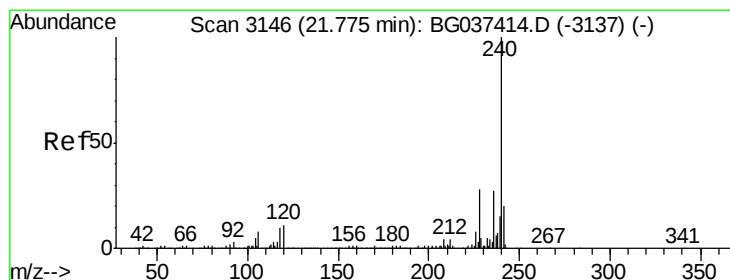
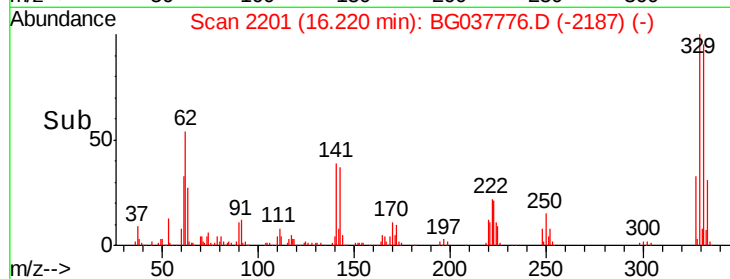
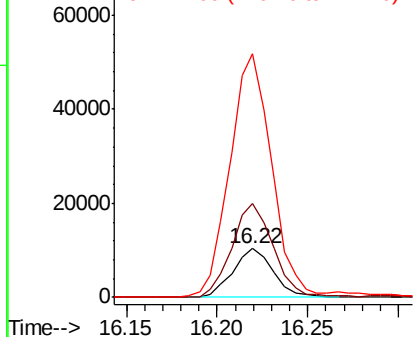
#67
 4-Bromophenyl-phenylether
 Concen: 3.900 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037776.D
 Acq: 3 Nov 2018 5:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16093
 Ion Ratio Lower Upper
 248 100
 250 189.7 77.0 115.6#
 141 379.9 55.5 83.3#

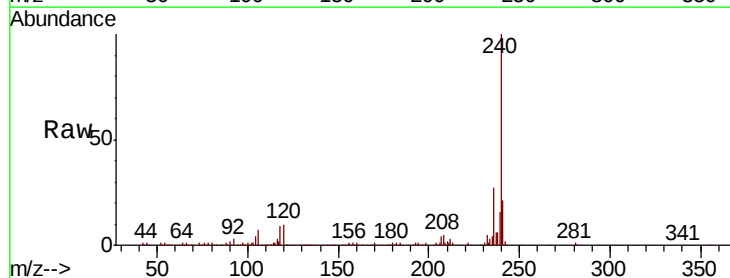


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

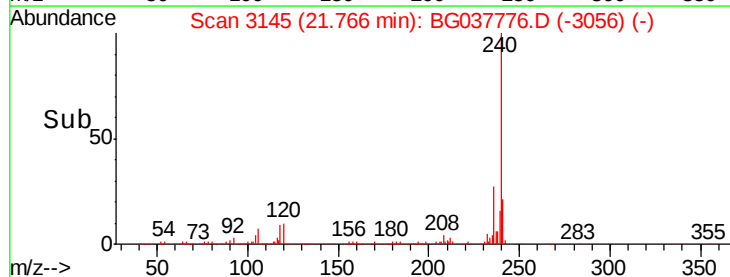
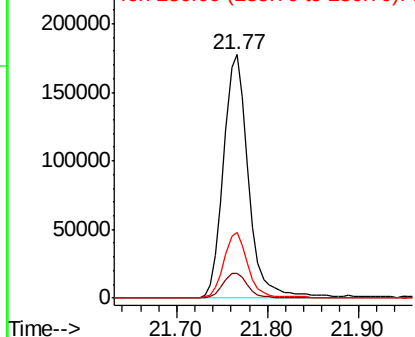


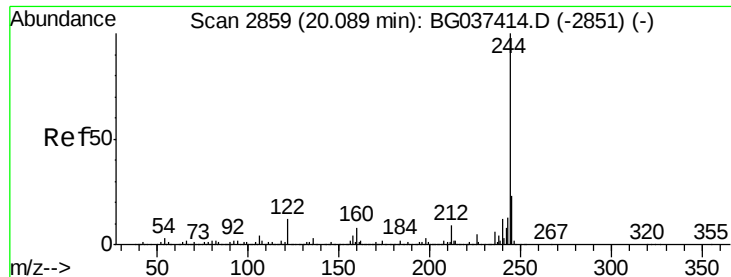
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037776.D
 Acq: 3 Nov 2018 5:10

Tgt Ion:240 Resp: 341964
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.1 12.1
 236 27.2 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





#79

Terphenyl-d14

Concen: 83.668 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

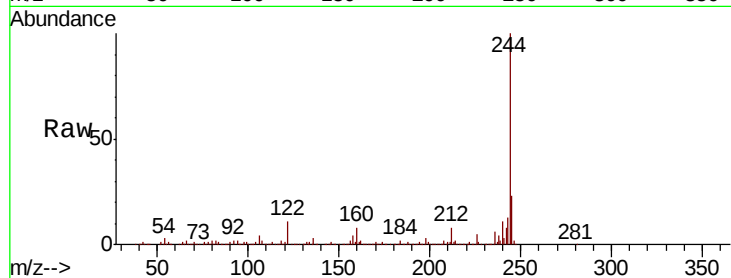
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1339014

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.8	9.0	13.4

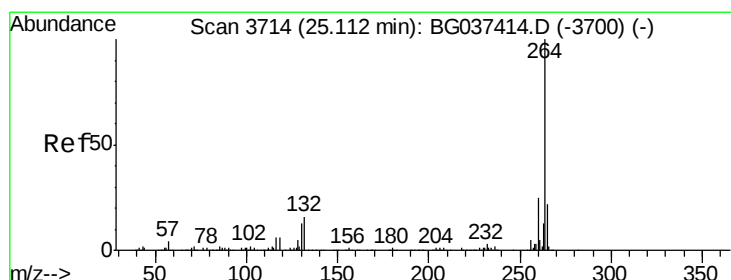
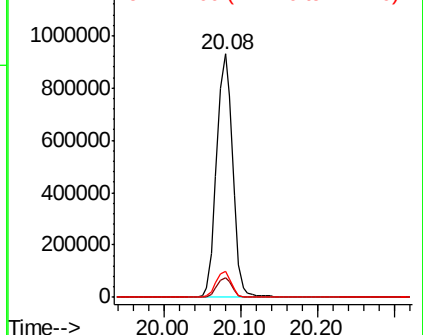
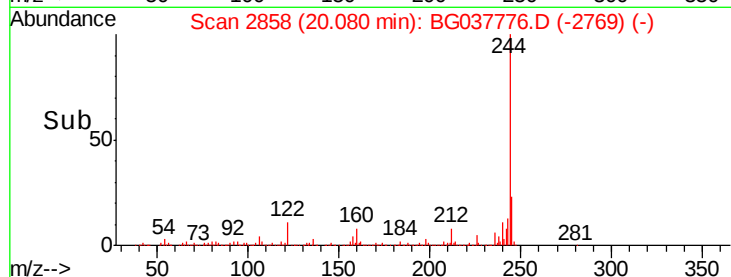


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

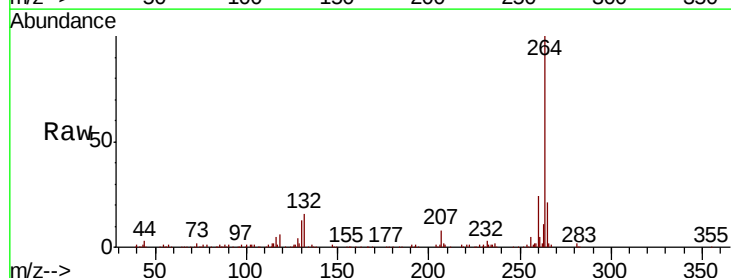
Delta R.T. -0.02 min

Lab File: BG037776.D

Acq: 3 Nov 2018 5:10

Tgt Ion:264 Resp: 298573

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	20.5	17.9	26.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

