

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037709.D
 Acq On : 1 Nov 2018 8:41
 Operator : JU/SJ
 Sample : J5731-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 09:18:56 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

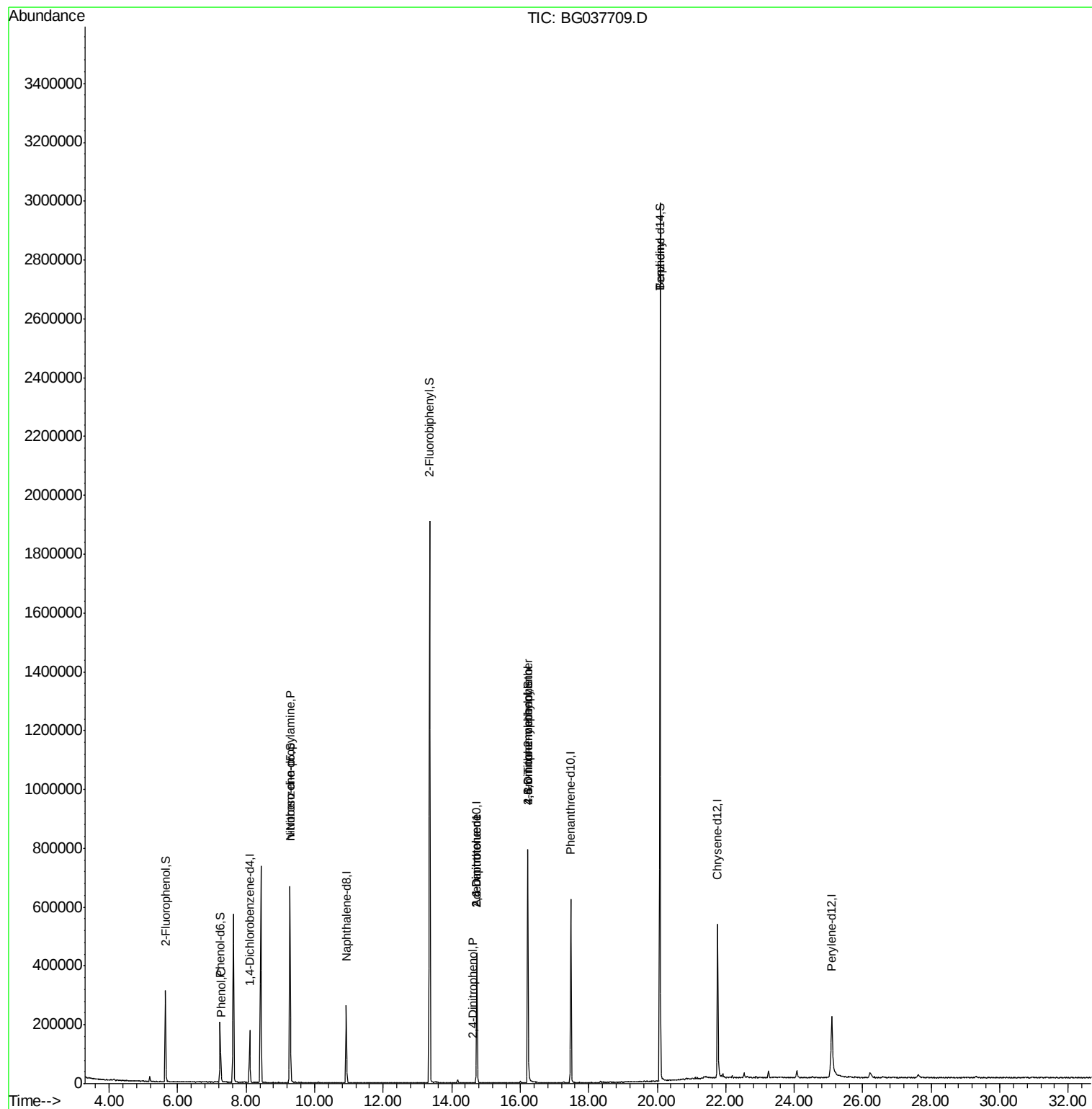
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54169	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	233335	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	165161	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	387295	20.00	ng	0.00
76) Chrysene-d12	21.76	240	350875	20.00	ng	-0.01
87) Perylene-d12	25.10	264	300372	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	145910	45.03	ng	0.00
7) Phenol-d6	7.24	99	134805	27.51	ng	-0.01
23) Nitrobenzene-d5	9.28	82	427799	102.71	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	155147	86.13	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1038274	94.80	ng	-0.01
79) Terphenyl-d14	20.08	244	1481613	90.23	ng	0.00
Target Compounds						
10) Phenol	7.27	94	14555	2.816	ng	96
19) n-Nitroso-di-n-propylamine	9.28	70	54572	16.175	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	21475	7.598	ng	# 24
54) 2,4-Dinitrophenol	14.61	184	55	6.190	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	21475	5.788	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	699	8.790	ng	# 79
67) 4-Bromophenyl-phenylether	16.22	248	11718	2.755	ng	# 1
77) Benzidine	20.08	184	24602	2.062	ng	# 94

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

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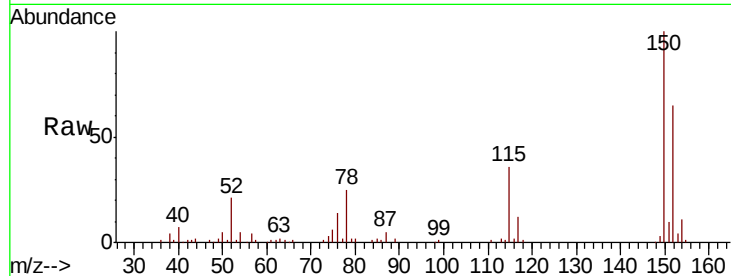


#1

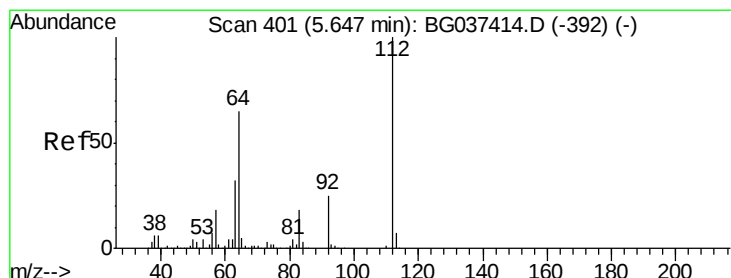
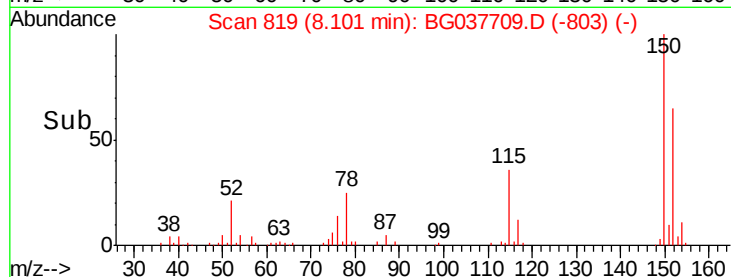
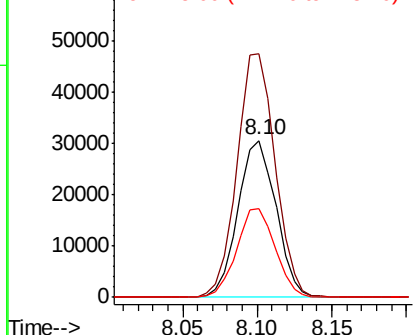
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54169
Ion Ratio Lower Upper
152 100
150 154.9 126.0 189.0
115 56.4 45.5 68.3



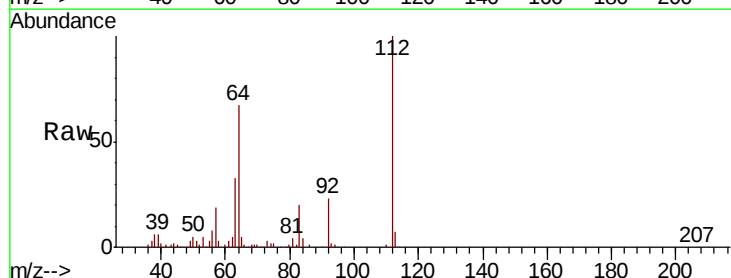
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



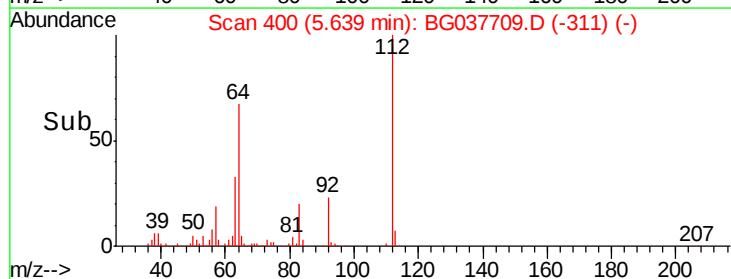
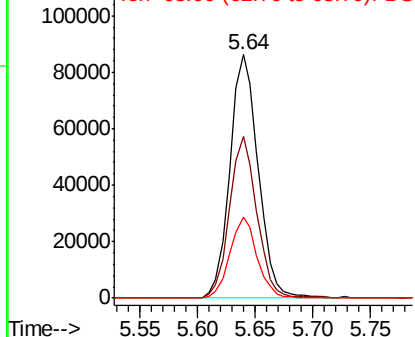
#5

2-Fluorophenol
Concen: 45.033 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

Tgt Ion:112 Resp: 145910
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.4 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: 27.515 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

Instrument :

BNA_G

ClientSampleId :

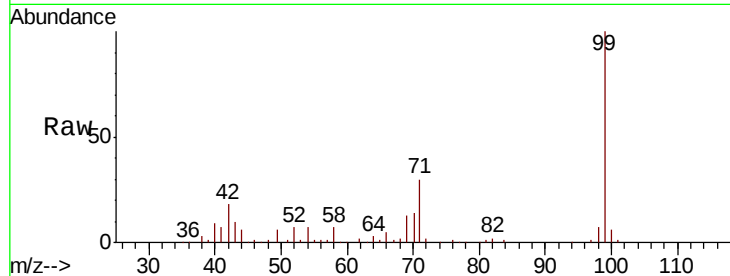
Tot Ion: 99 Resp: 134805

Ion Ratio Lower Upper

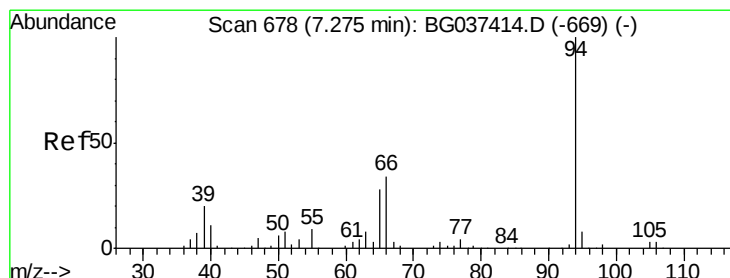
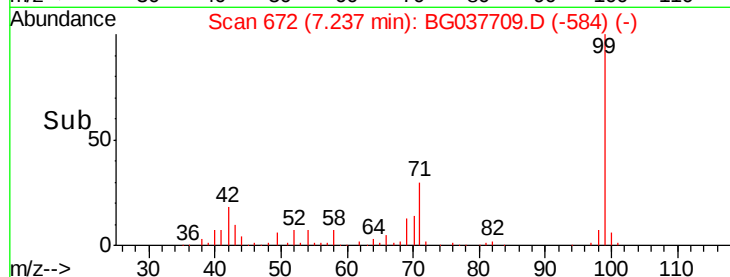
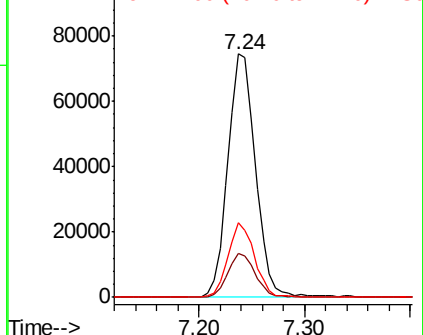
99 100

42 17.9 15.0 22.4

71 30.5 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



#10

Phenol

Concen: 2.816 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

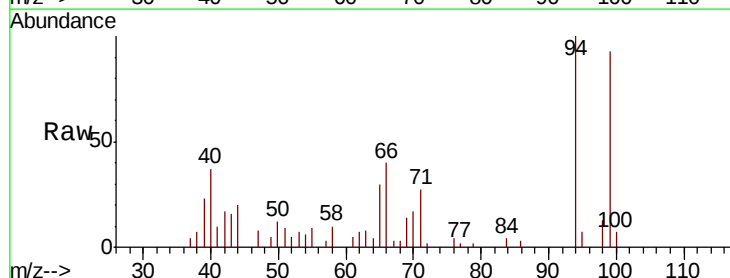
Tgt Ion: 94 Resp: 14555

Ion Ratio Lower Upper

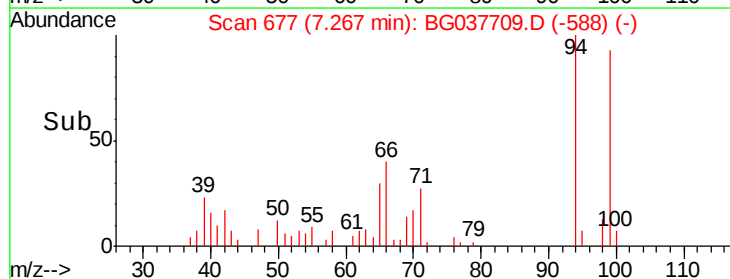
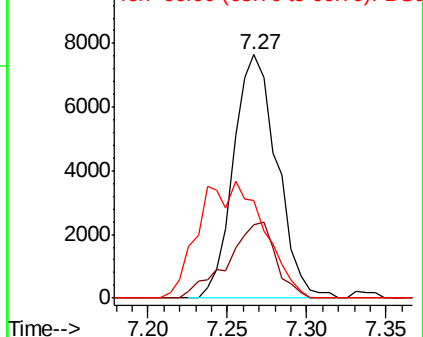
94 100

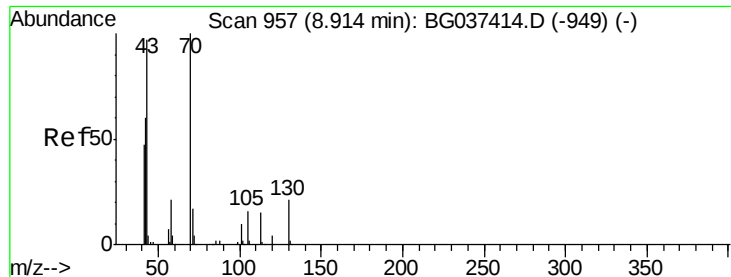
65 30.0 9.7 49.7

66 40.0 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

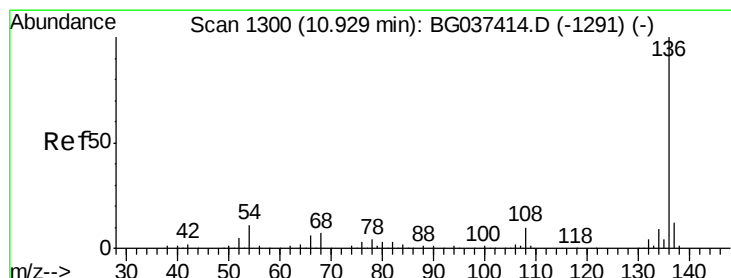
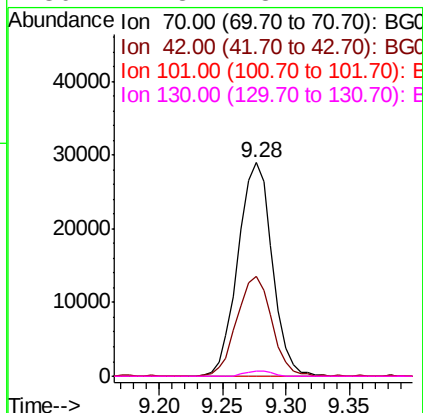
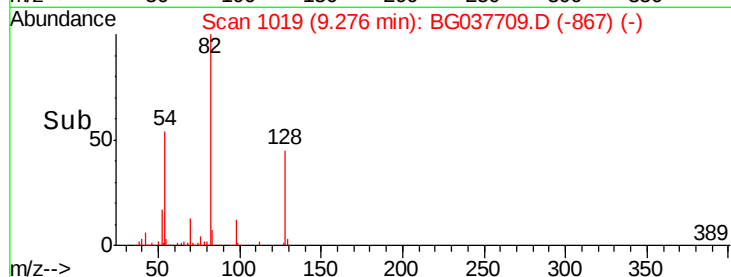
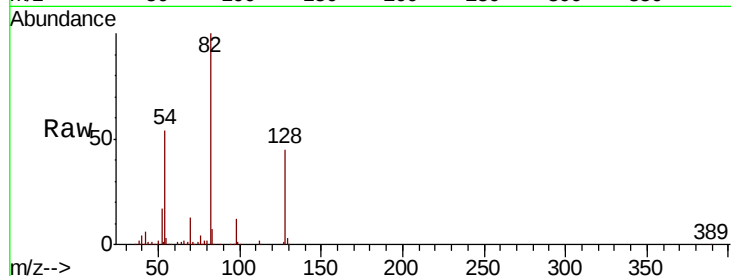




#19
n-Nitroso-di-n-propylamine
Concen: 16.175 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

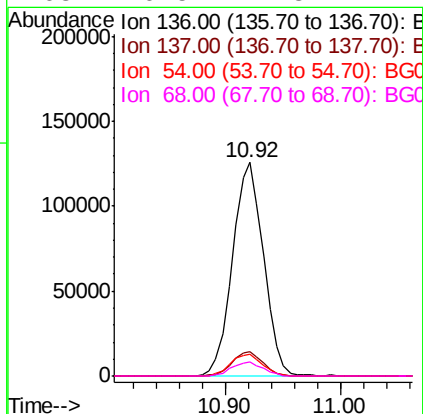
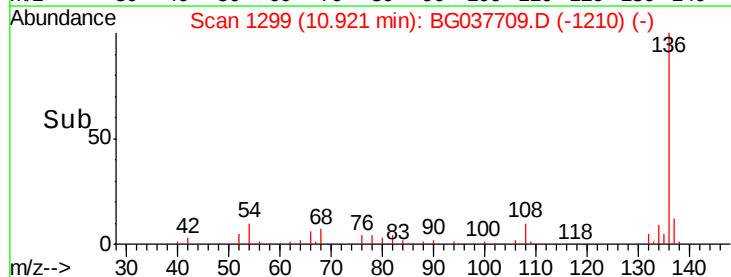
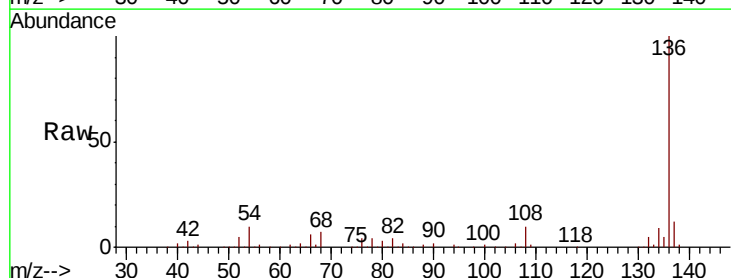
Instrument :
BNA_G
ClientSampleId :

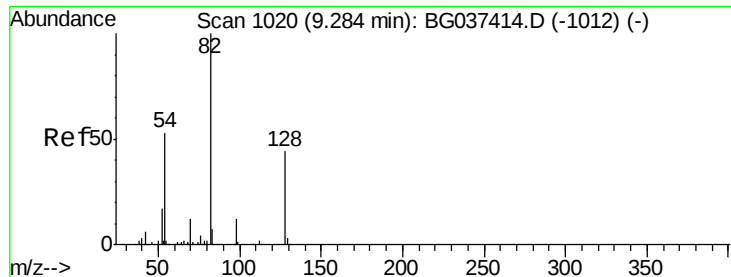
Tot Ion: 70 Resp: 54572
Ion Ratio Lower Upper
70 100
42 47.0 53.9 80.9#
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

Tgt Ion: 136 Resp: 233335
Ion Ratio Lower Upper
136 100
137 11.5 9.6 14.4
54 10.3 7.9 11.9
68 6.5 4.8 7.2

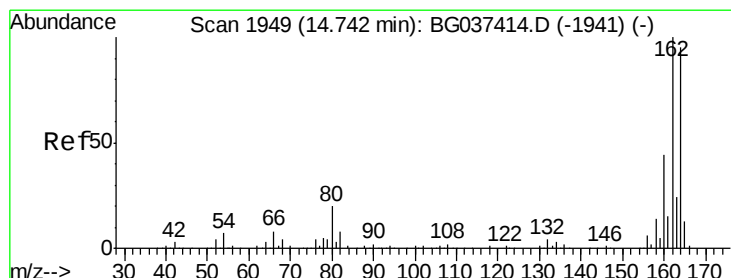
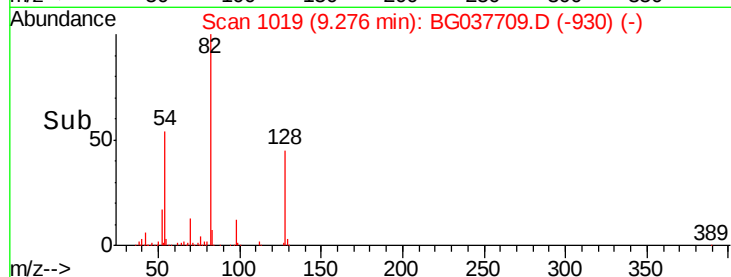
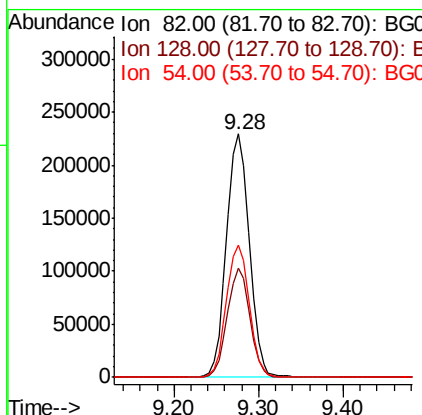
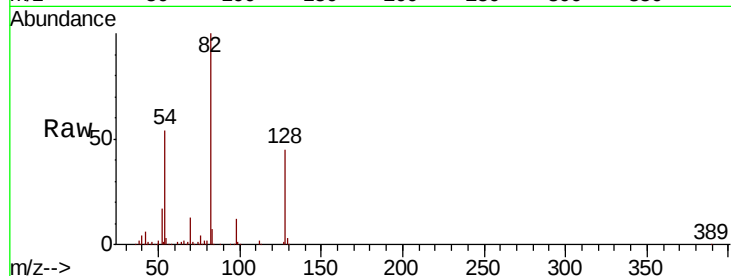




#23
Nitrobenzene-d5
Concen: 102.706 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

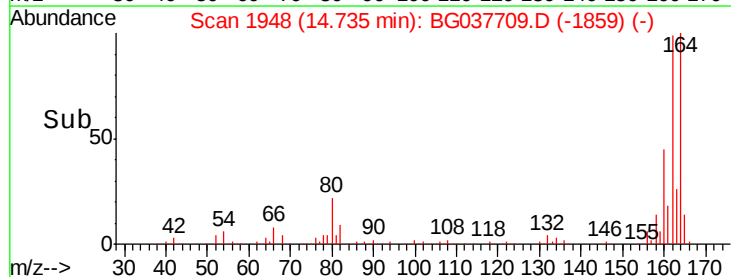
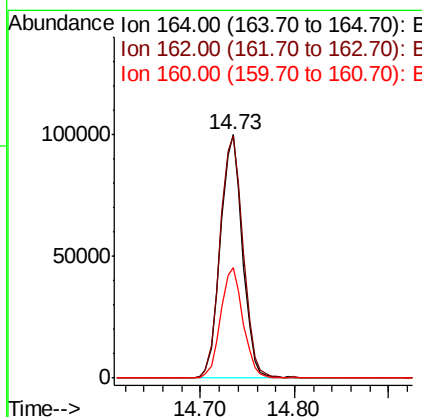
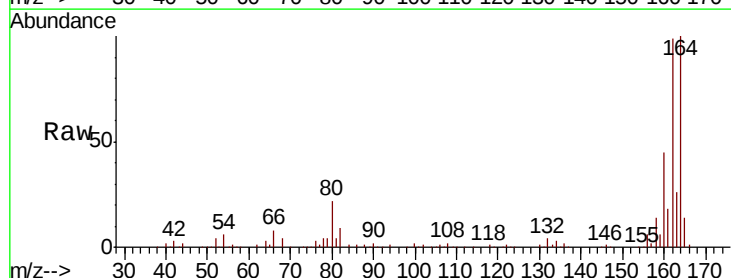
Instrument :
BNA_G
ClientSampled :

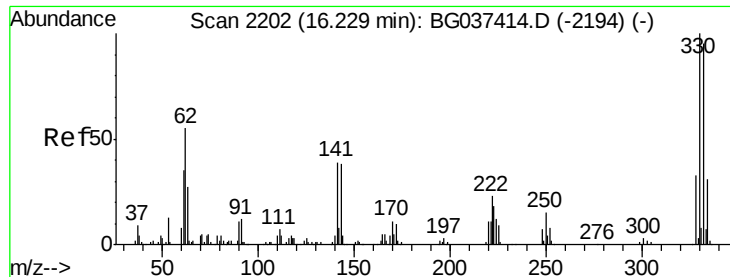
Tot Ion	82	Resp	427799
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.6	51.8
54	54.5	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037709.D
Acq: 1 Nov 2018 8:41

Tgt Ion	164	Resp	165161
Ion Ratio	Lower	Upper	
164	100		
162	99.3	81.3	121.9
160	45.3	36.3	54.5

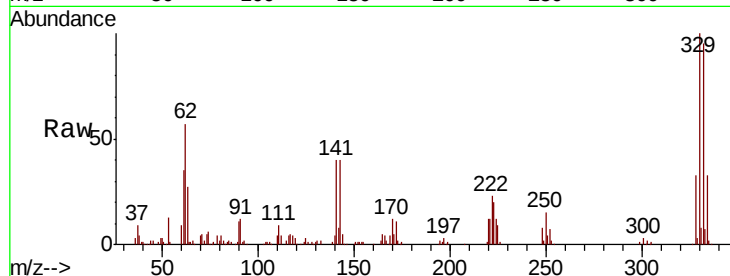




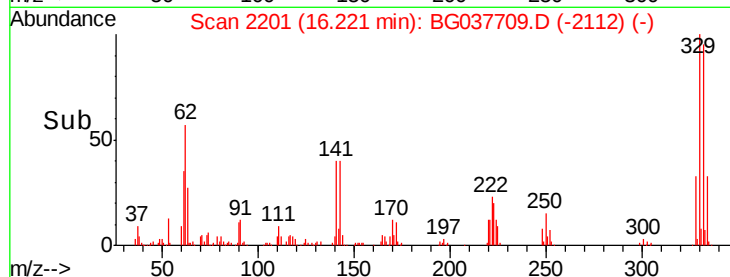
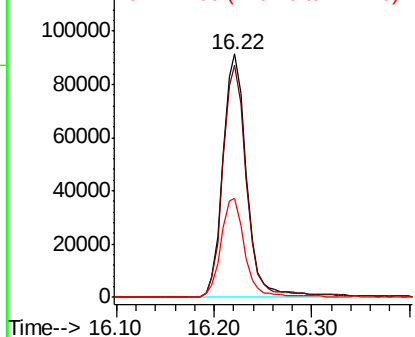
#42
 2,4,6-Tribromophenol
 Concen: 86.126 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037709.D
 Acq: 1 Nov 2018 8:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 155147
 Ion Ratio Lower Upper
 330 100
 332 94.5 78.4 117.6
 141 41.2 32.2 48.2

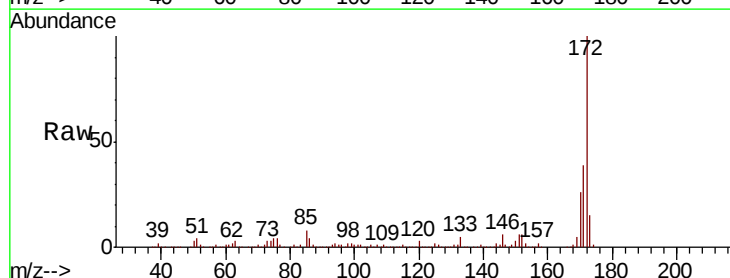


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

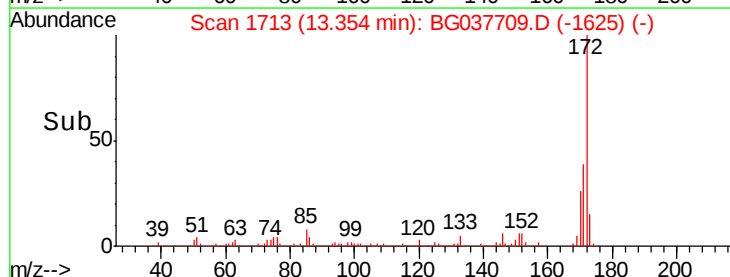
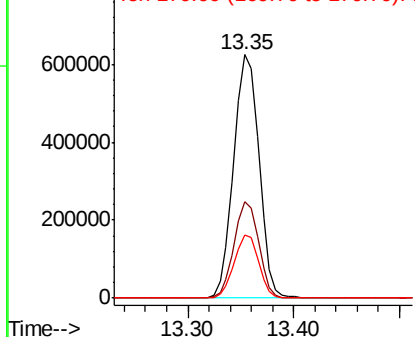


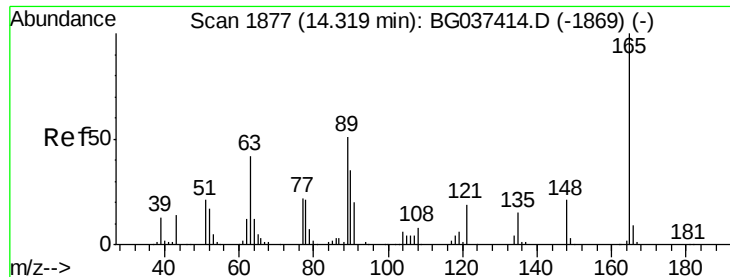
#45
 2-Fluorobiphenyl
 Concen: 94.796 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037709.D
 Acq: 1 Nov 2018 8:41

Tgt Ion:172 Resp: 1038274
 Ion Ratio Lower Upper
 172 100
 171 39.4 31.0 46.4
 170 25.7 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: 7.598 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.42 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

Instrument :

BNA_G

ClientSampleId :

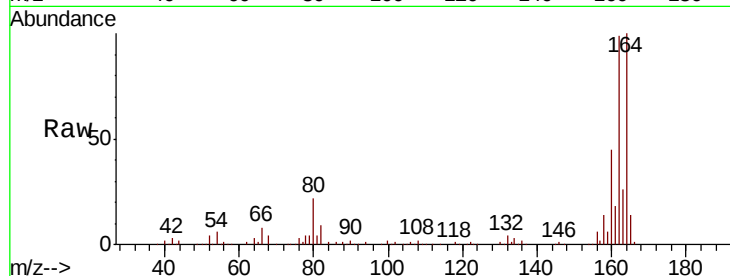
Tot Ion:165 Resp: 21475

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

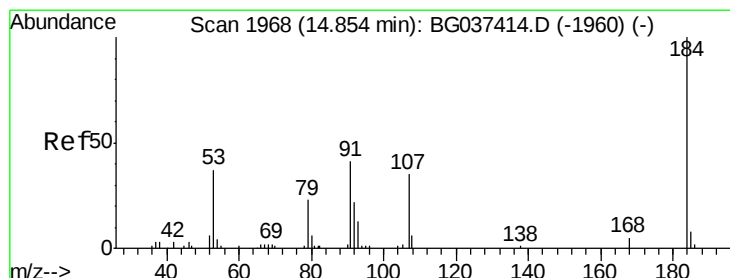
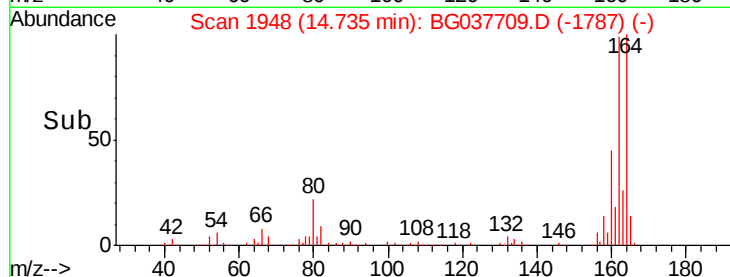
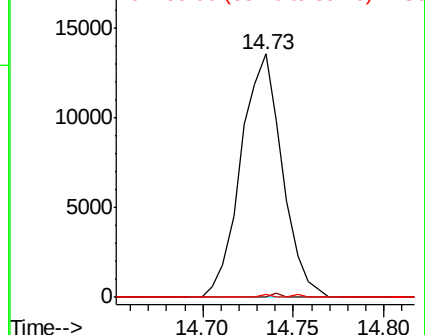
89 1.2 45.8 68.6#



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



#54

2,4-Dinitrophenol

Concen: 6.190 ng

RT: 14.61 min Scan# 1926

Delta R.T. -0.25 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

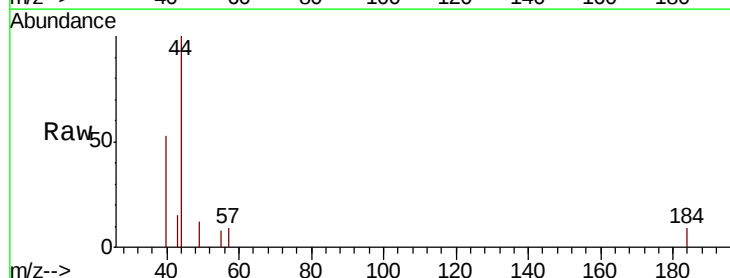
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 42.6 63.8#

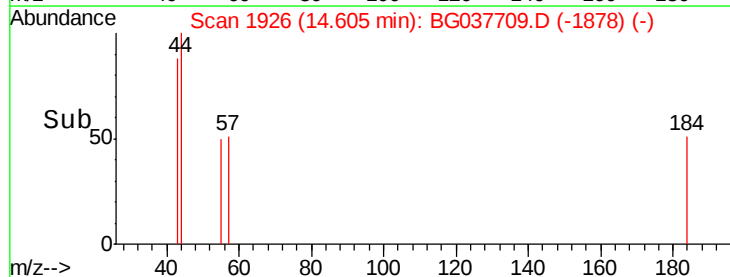
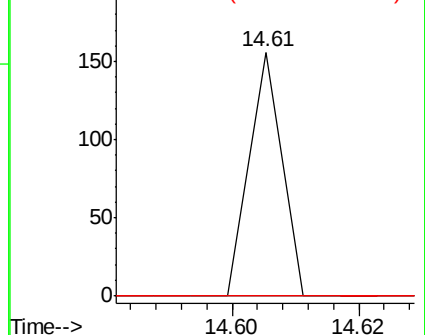
154 0.0 41.8 62.6#

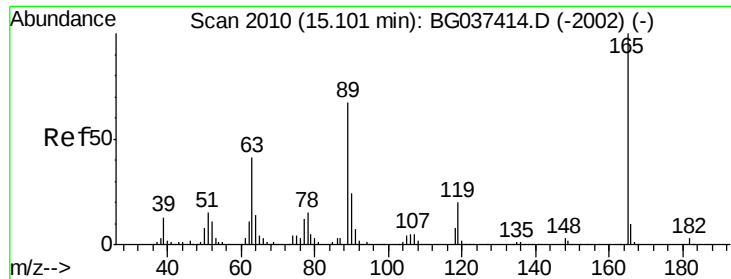


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

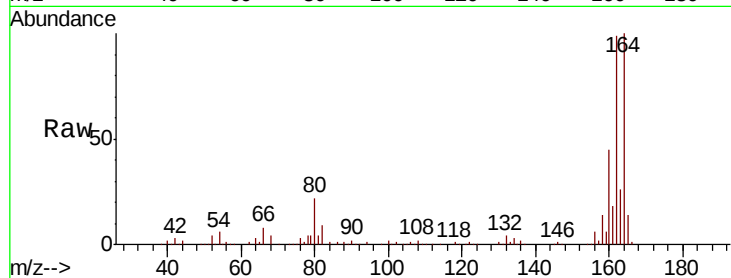




#57
 2,4-Dinitrotoluene
 Concen: 5.788 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037709.D
 Acq: 1 Nov 2018 8:41

Instrument :
 BNA_G
 ClientSampleId :

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



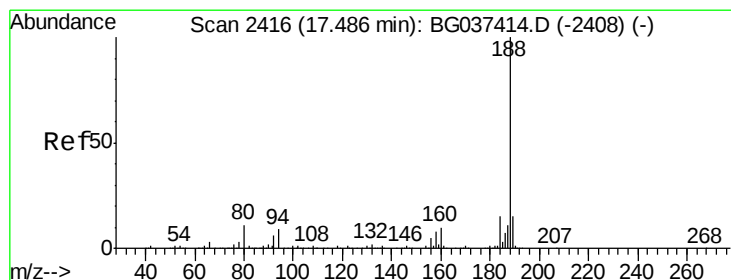
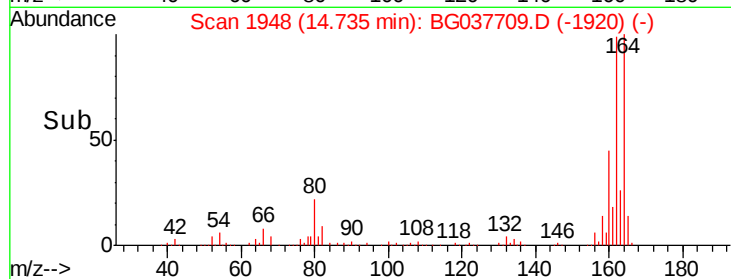
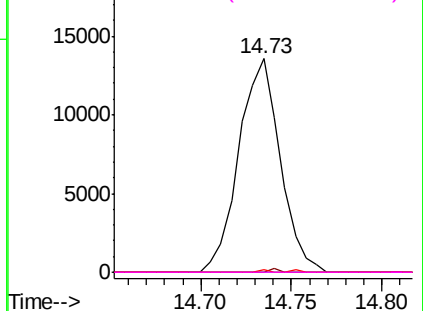
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

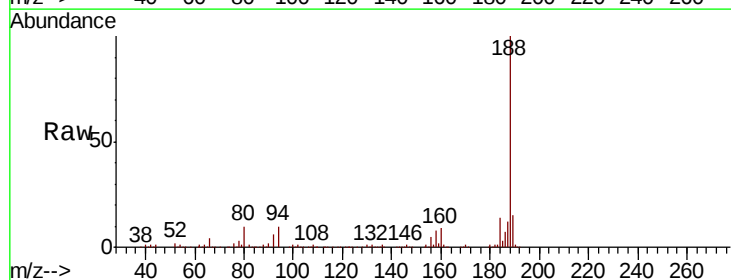
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG037709.D
 Acq: 1 Nov 2018 8:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.1	7.7	11.5

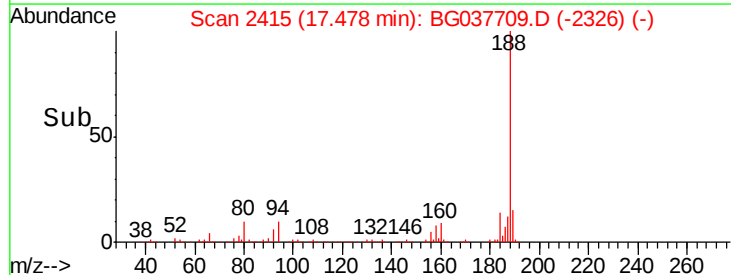
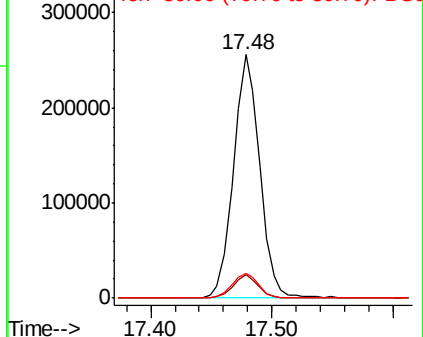


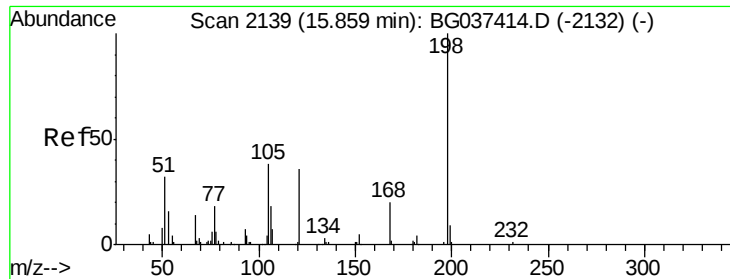
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.790 ng

RT: 16.22 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

Instrument :

BNA_G

ClientSampleId :

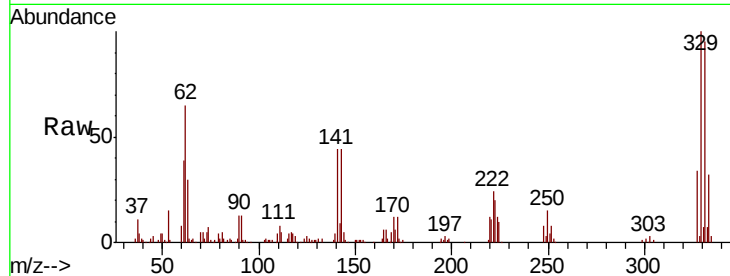
Tot Ion:198 Resp: 699

Ion Ratio Lower Upper

198 100

51 22.4 22.7 62.7#

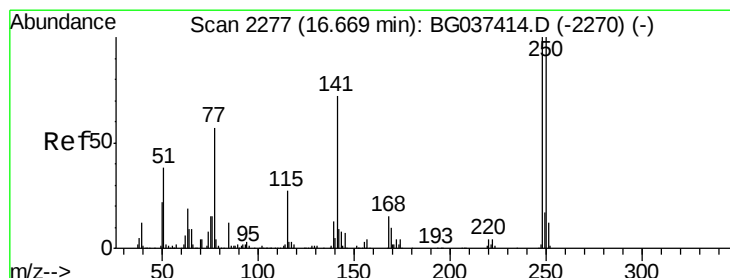
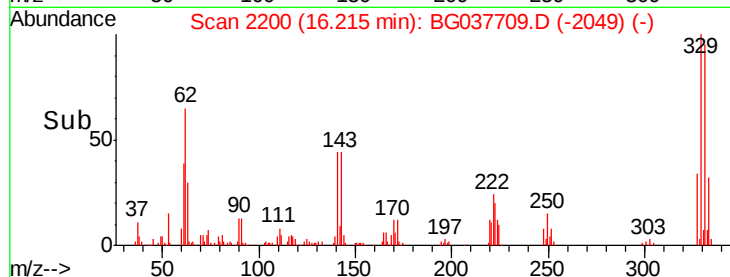
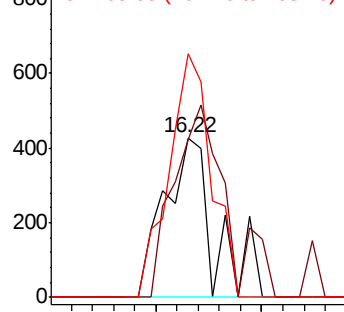
105 34.4 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.755 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

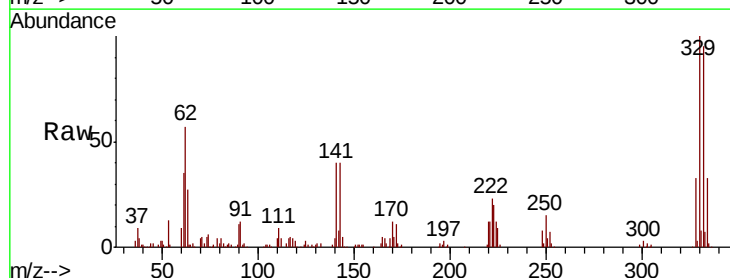
Tgt Ion:248 Resp: 11718

Ion Ratio Lower Upper

248 100

250 198.3 77.0 115.6#

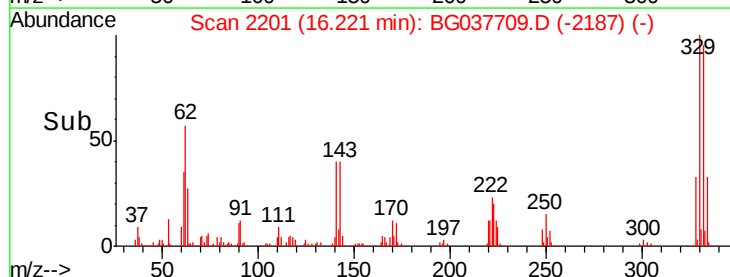
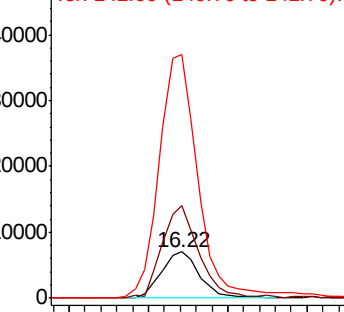
141 407.3 55.5 83.3#

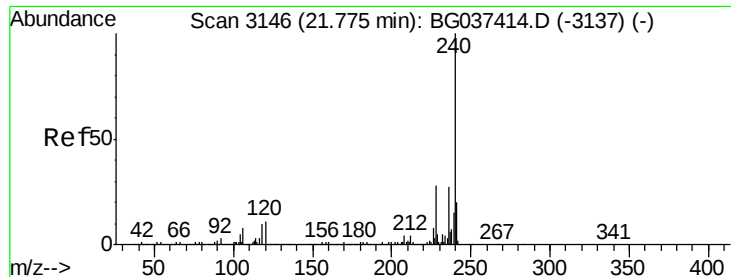


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

Instrument :

BNA_G

ClientSampled :

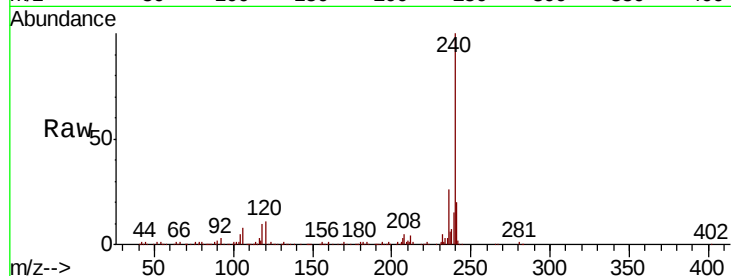
Tot Ion:240 Resp: 350875

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

236 26.5 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

250000

200000

150000

100000

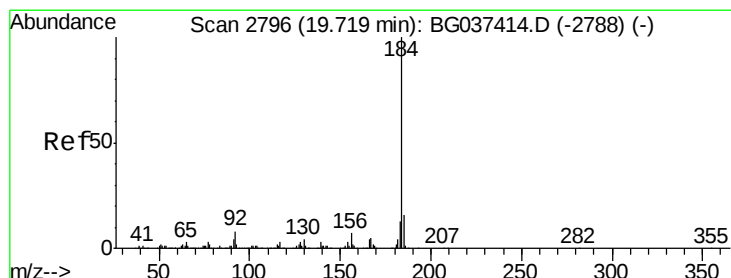
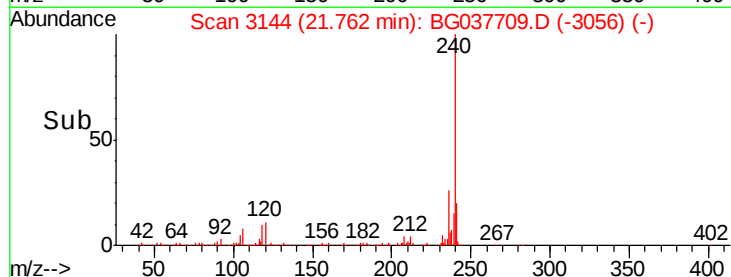
50000

0

21.76

21.70 21.80 21.90

Time-->



#77

Benzidine

Concen: 2.062 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

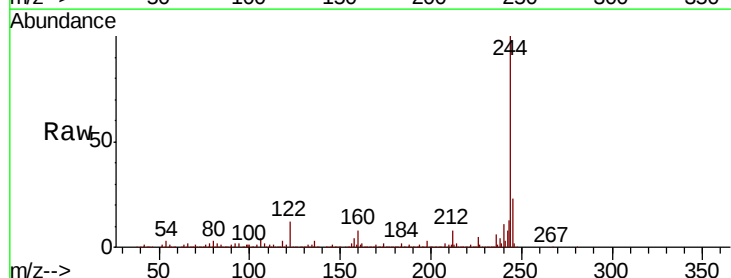
Tgt Ion:184 Resp: 24602

Ion Ratio Lower Upper

184 100

185 16.4 12.6 18.8

183 8.3 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

20000

15000

10000

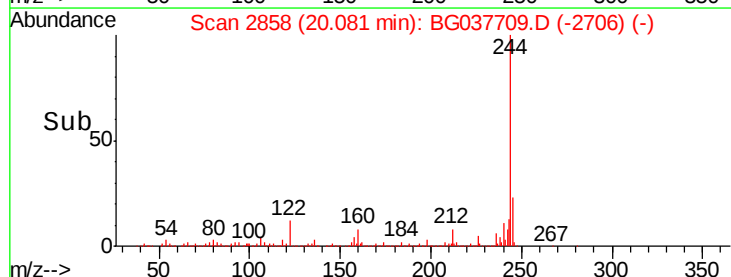
5000

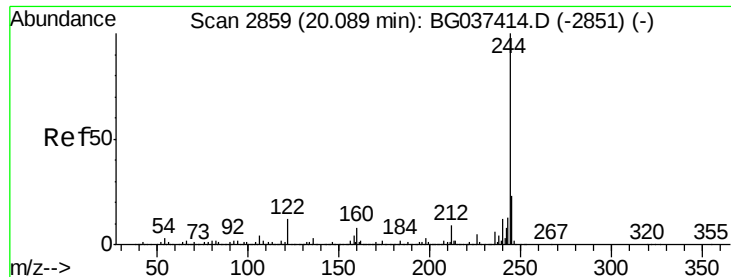
0

20.08

20.05 20.10

Time-->





#79

Terphenyl-d14

Concen: 90.228 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

Instrument :

BNA_G

ClientSampled :

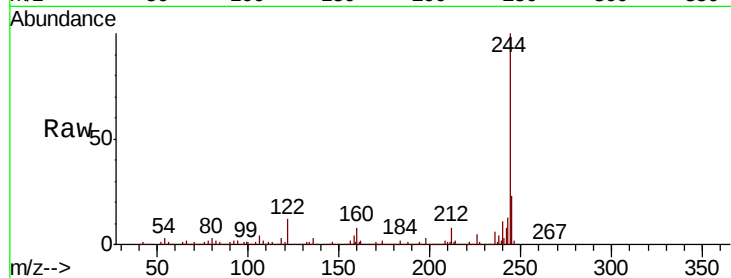
Tot Ion:244 Resp: 1481613

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

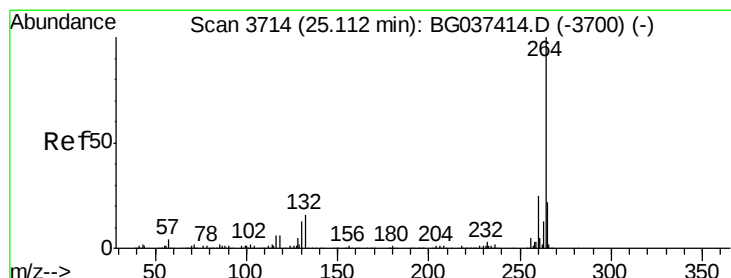
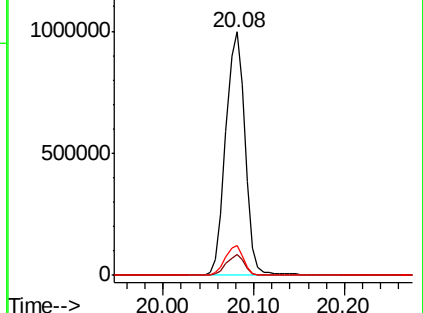
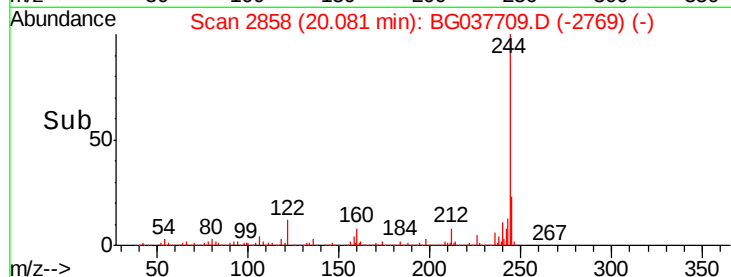
122 12.0 9.0 13.4



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. -0.01 min

Lab File: BG037709.D

Acq: 1 Nov 2018 8:41

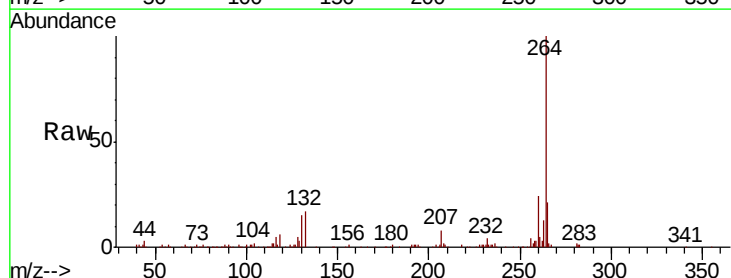
Tgt Ion:264 Resp: 300372

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 20.7 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

