

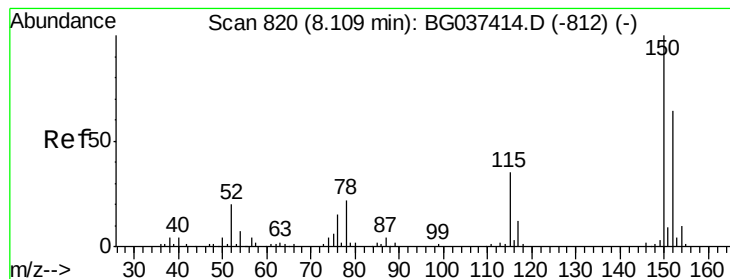
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037710.D
 Acq On : 1 Nov 2018 9:20
 Operator : JU/SJ
 Sample : J5731-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 11:24:13 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	49129	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	212692	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	146811	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	349858	20.00	ng	0.00
76) Chrysene-d12	21.76	240	316910	20.00	ng	-0.01
87) Perylene-d12	25.10	264	268602	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	136746	46.53	ng	0.00
7) Phenol-d6	7.24	99	126139	28.39	ng	0.00
23) Nitrobenzene-d5	9.28	82	391537	103.12	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	144364	90.16	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	949324	97.51	ng	-0.01
79) Terphenyl-d14	20.08	244	1384284	93.34	ng	0.00
Target Compounds						
10) Phenol	7.27	94	21268	4.536	ng	99
19) n-Nitroso-di-n-propylamine	9.28	70	49578	16.203	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	18395	7.321	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	18395	5.577	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	276	8.631	ng	# 68
67) 4-Bromophenyl-phenylether	16.22	248	10136	2.638	ng	# 1
77) Benzidine	20.08	184	22649	2.102	ng	# 90

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

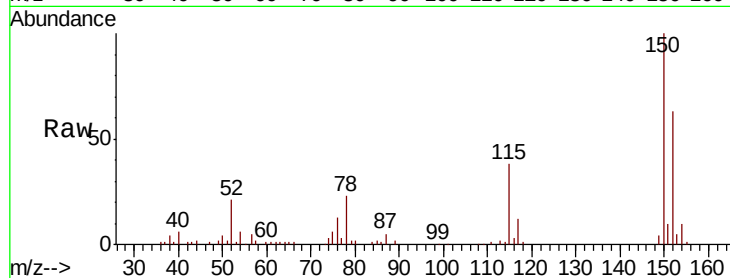


#1

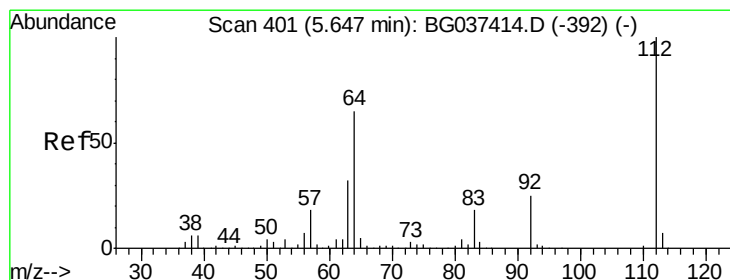
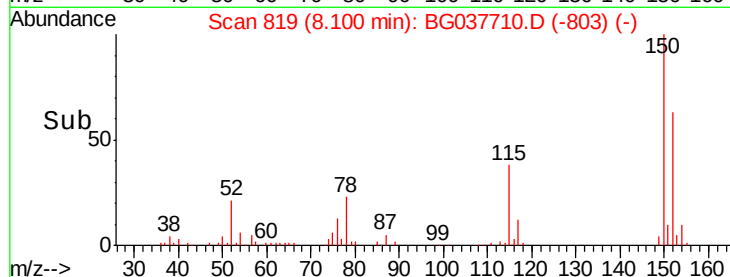
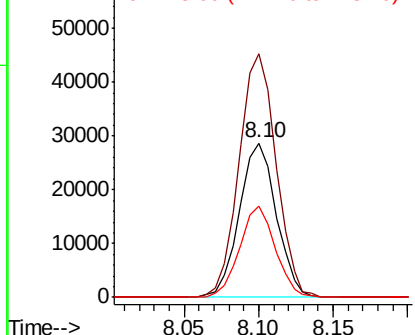
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 49129
 Ion Ratio Lower Upper
 152 100
 150 158.1 126.0 189.0
 115 59.5 45.5 68.3



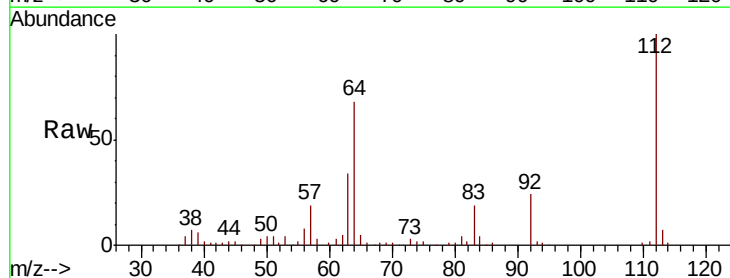
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



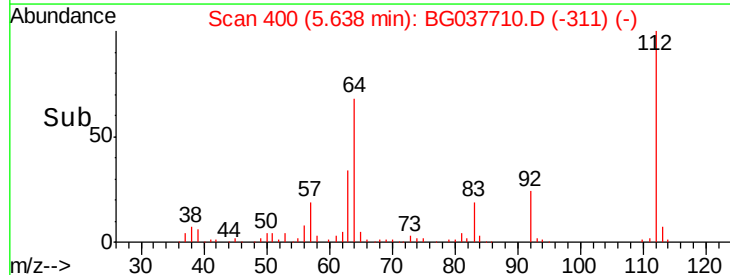
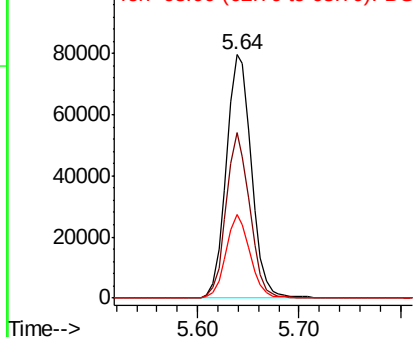
#5

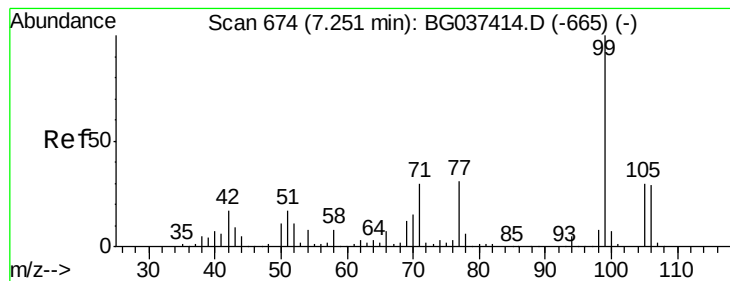
2-Fluorophenol
 Concen: 46.534 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

Tgt Ion:112 Resp: 136746
 Ion Ratio Lower Upper
 112 100
 64 67.9 53.1 79.7
 63 34.3 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: 28.387 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

Instrument :

BNA_G

ClientSampleId :

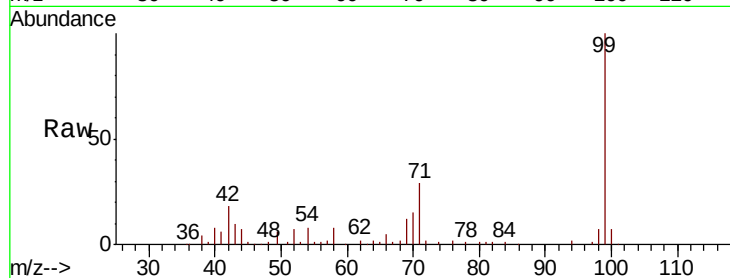
Tot Ion: 99 Resp: 126139

Ion Ratio Lower Upper

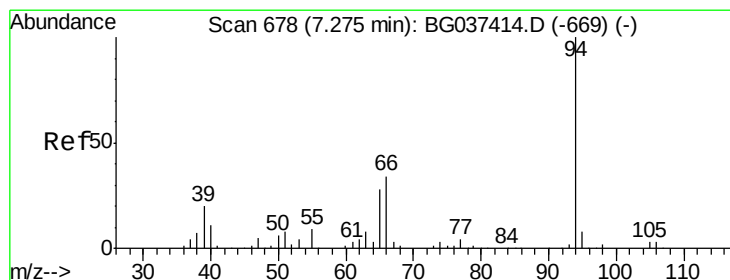
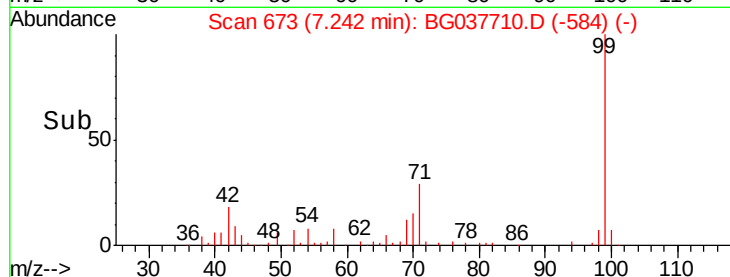
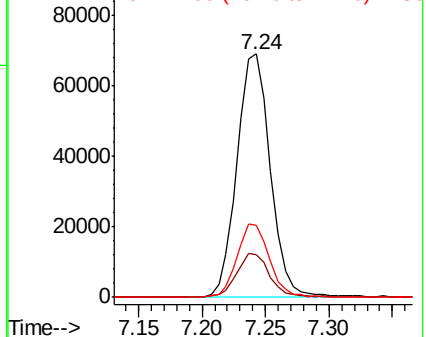
99 100

42 17.6 15.0 22.4

71 29.4 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: 4.536 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

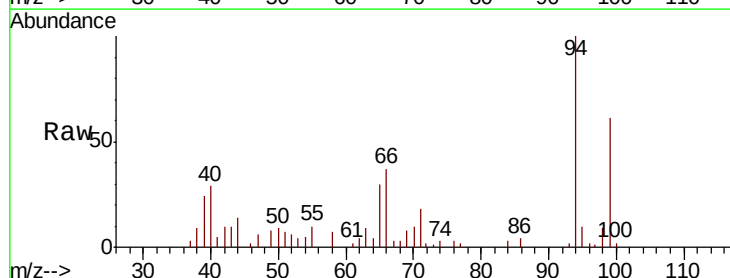
Tgt Ion: 94 Resp: 21268

Ion Ratio Lower Upper

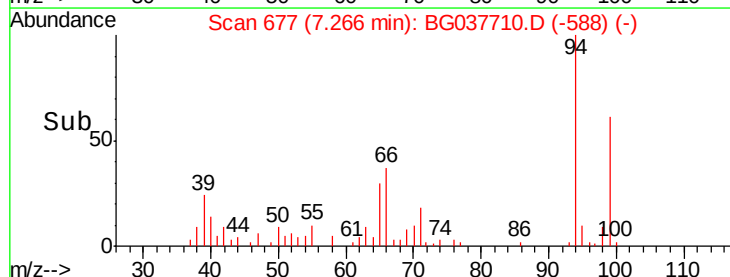
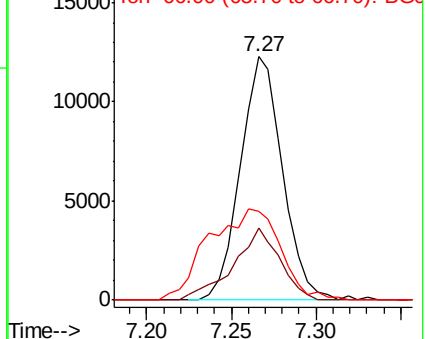
94 100

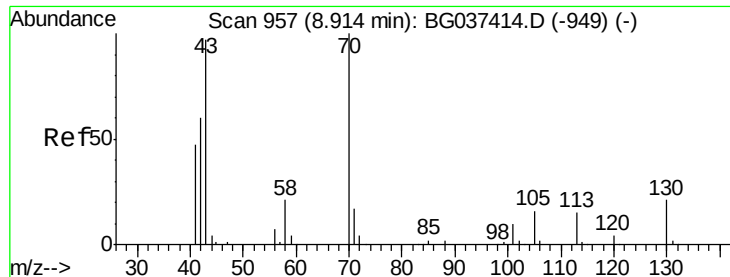
65 29.5 9.7 49.7

66 36.7 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

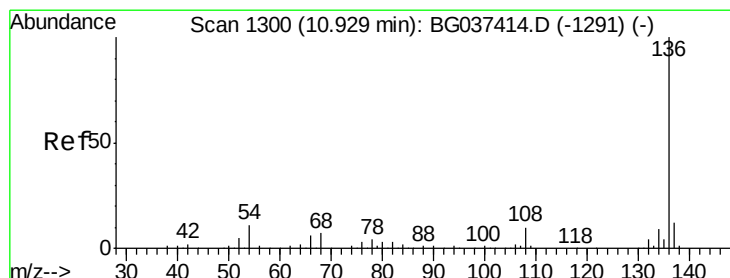
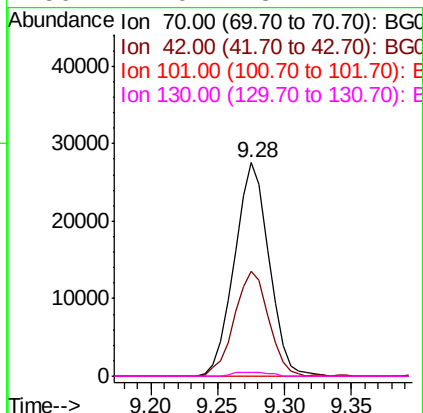
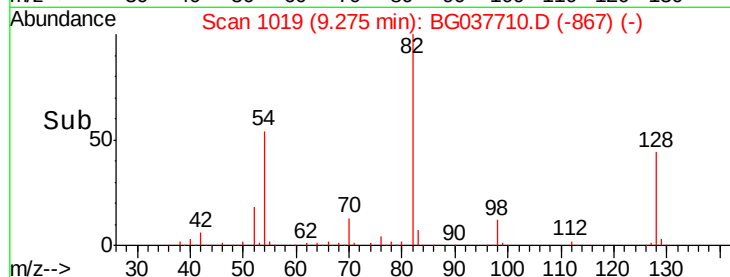
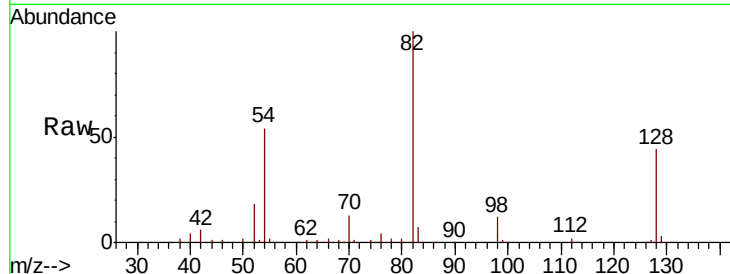




#19
n-Nitroso-di-n-propylamine
Concen: 16.203 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037710.D
Acq: 1 Nov 2018 9:20

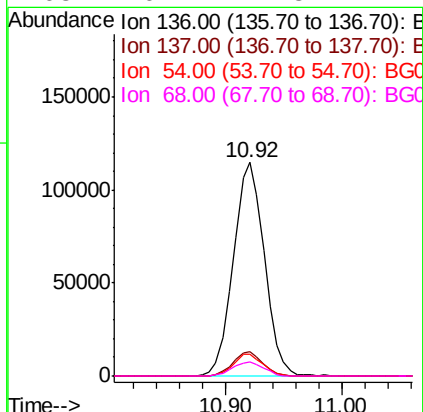
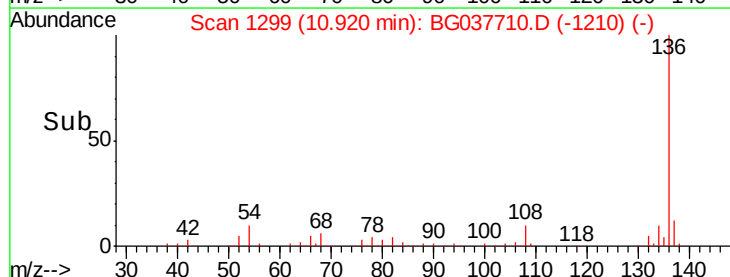
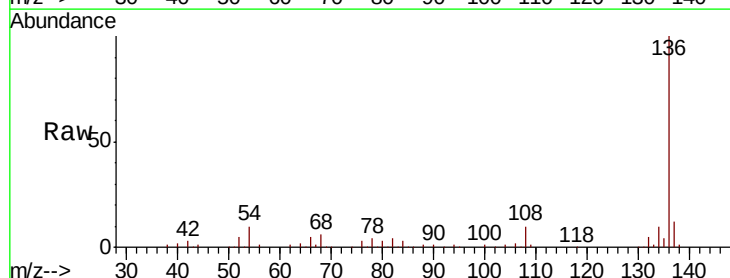
Instrument :
BNA_G
ClientSampleId :

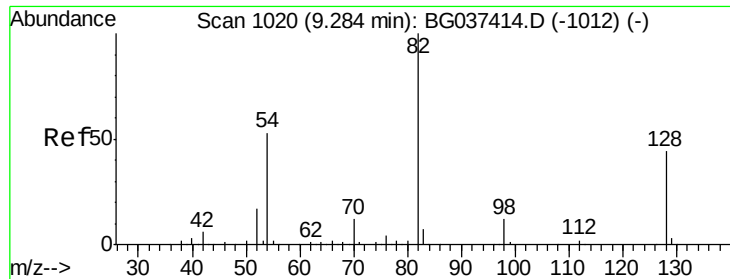
Tot Ion: 70 Resp: 49578
Ion Ratio Lower Upper
70 100
42 49.0 53.9 80.9#
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037710.D
Acq: 1 Nov 2018 9:20

Tgt Ion: 136 Resp: 212692
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 10.0 7.9 11.9
68 6.4 4.8 7.2

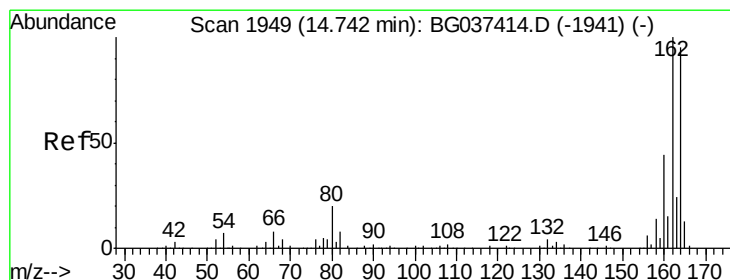
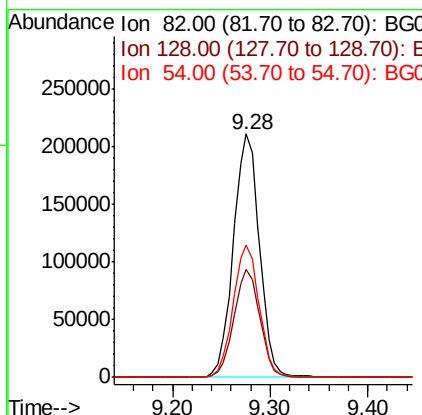
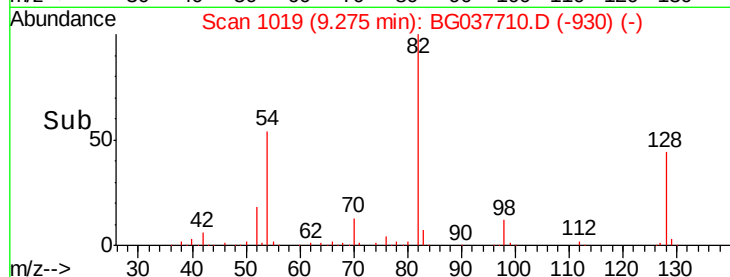
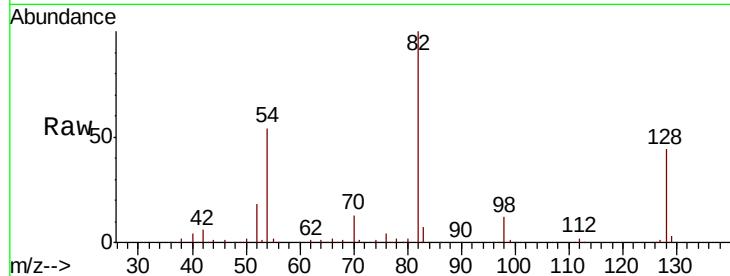




#23
 Nitrobenzene-d5
 Concen: 103.123 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

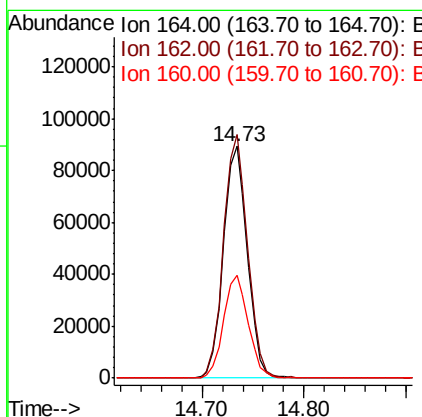
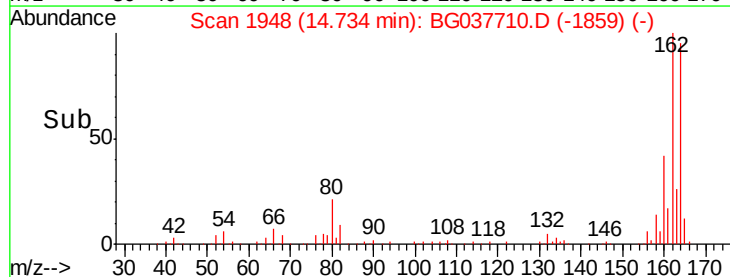
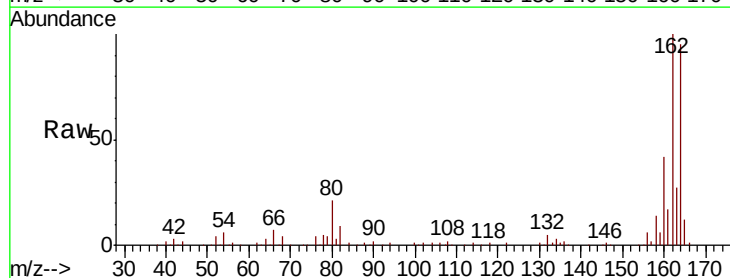
Instrument :
 BNA_G
 ClientSampleId :

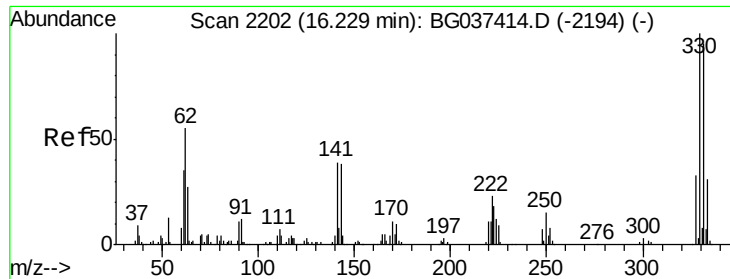
Tot Ion	82	Resp	391537
Ion Ratio	100	Lower	Upper
128	44.1	34.6	51.8
54	54.4	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

Tgt Ion	164	Resp	146811
Ion Ratio	100	Lower	Upper
162	105.0	81.3	121.9
160	44.6	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 90.157 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

Instrument :

BNA_G

ClientSampled :

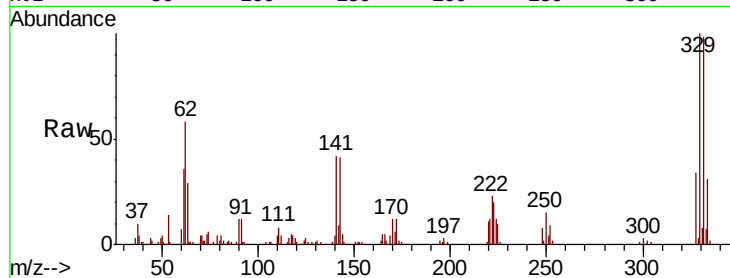
Tot Ion:330 Resp: 144364

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

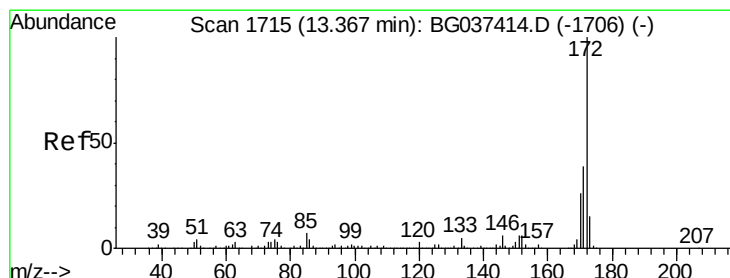
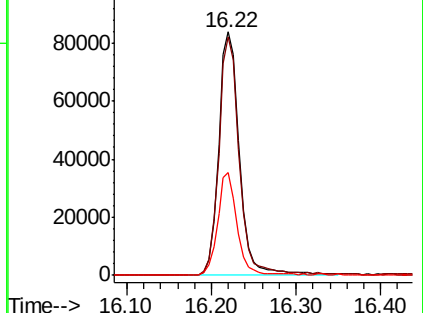
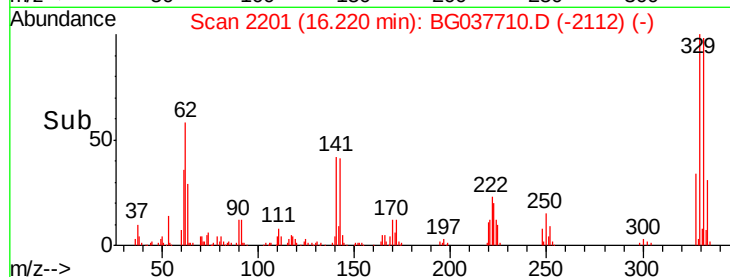
141 39.8 32.2 48.2



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: 97.508 ng

RT: 13.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

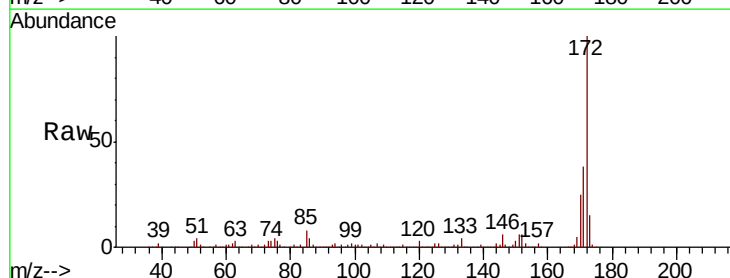
Tgt Ion:172 Resp: 949324

Ion Ratio Lower Upper

172 100

171 38.2 31.0 46.4

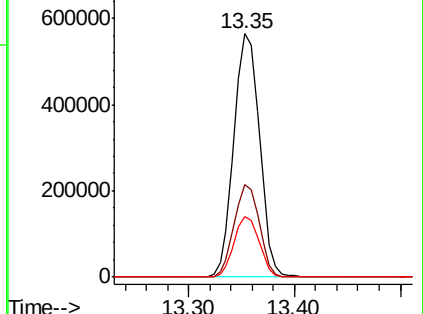
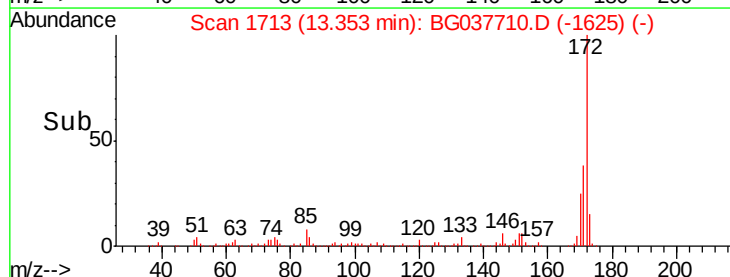
170 24.7 20.2 30.2

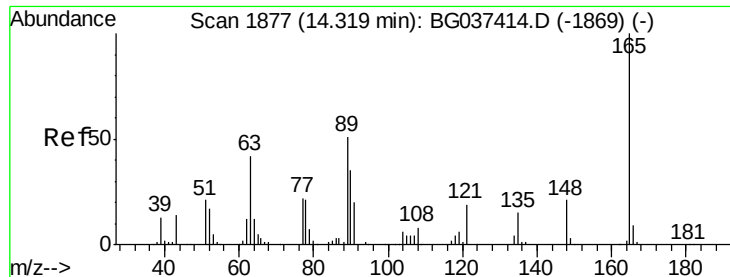


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.321 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

Instrument :

BNA_G

ClientSampleId :

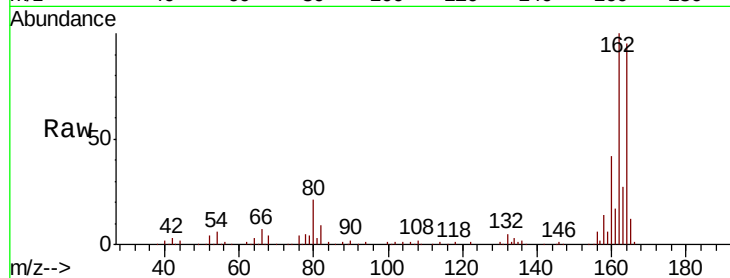
Tot Ion:165 Resp: 18395

Ion Ratio Lower Upper

165 100

63 1.6 43.4 65.2#

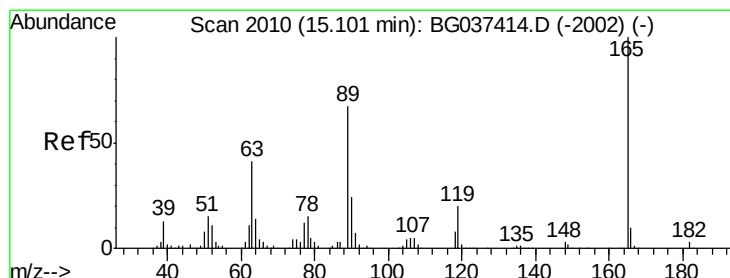
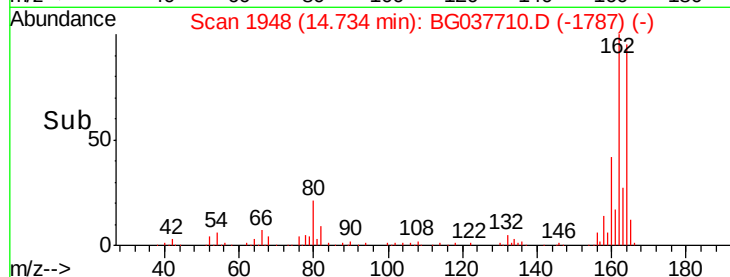
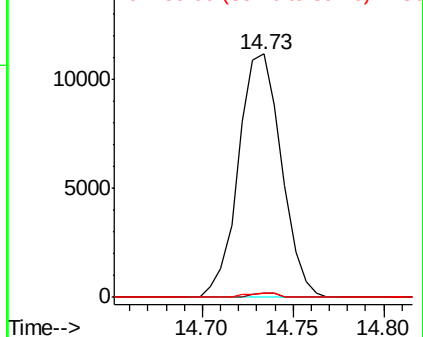
89 1.6 45.8 68.6#



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: 5.577 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

Tgt Ion:165 Resp: 18395

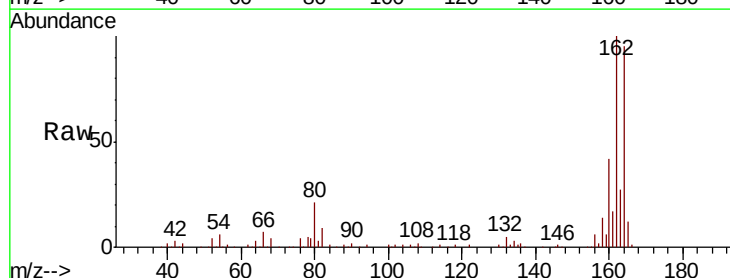
Ion Ratio Lower Upper

165 100

63 1.6 33.4 50.0#

89 1.6 57.2 85.8#

182 0.0 2.6 4.0#

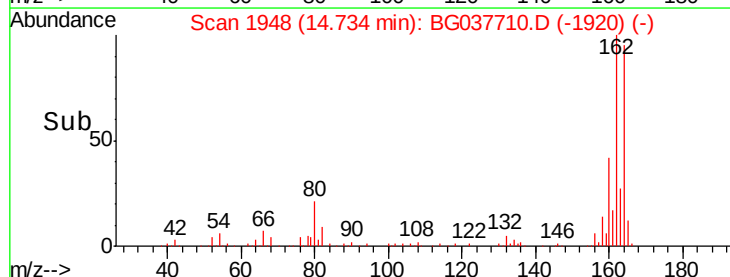
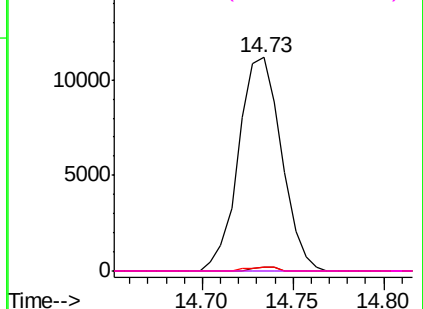


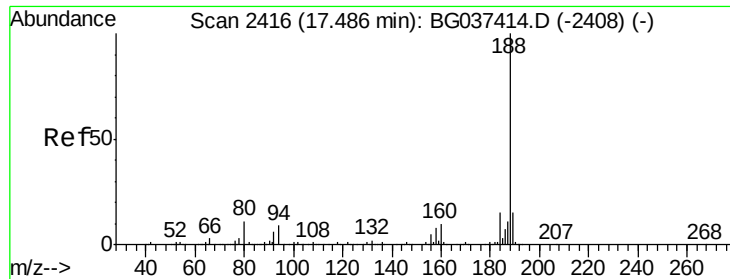
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG037710.D

Acq: 1 Nov 2018 9:20

Instrument :

BNA_G

ClientSampled :

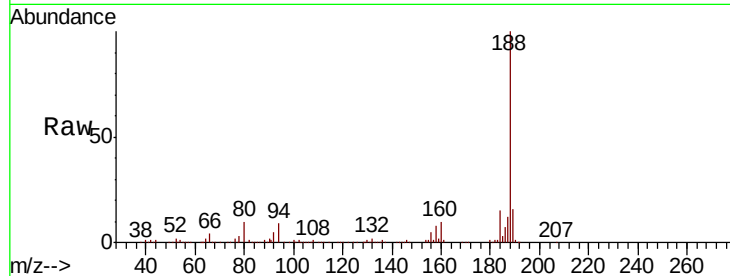
Tot Ion:188 Resp: 349858

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

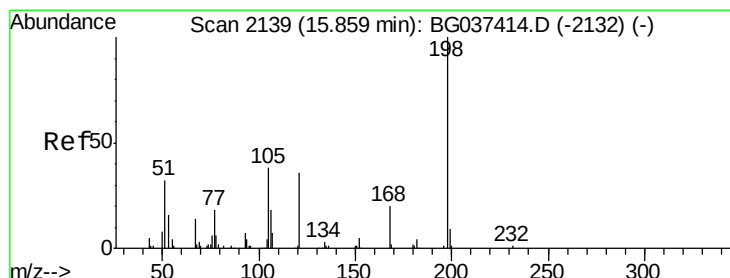
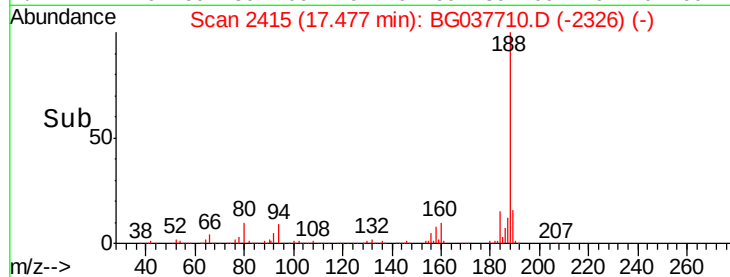
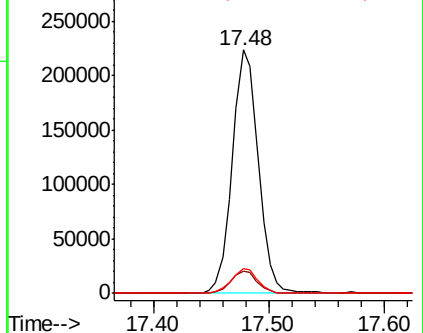
80 9.9 7.7 11.5



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: 8.631 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

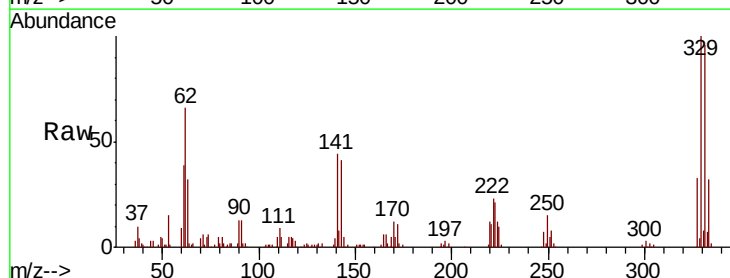
Tgt Ion:198 Resp: 276

Ion Ratio Lower Upper

198 100

51 22.0 22.7 62.7#

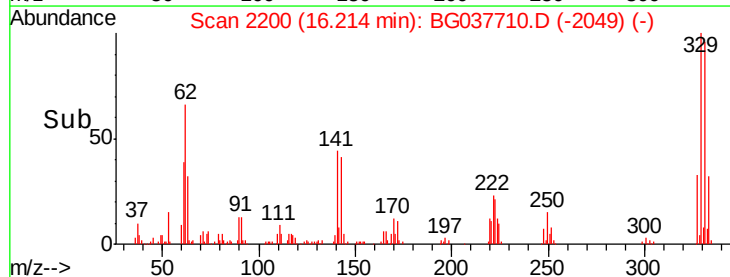
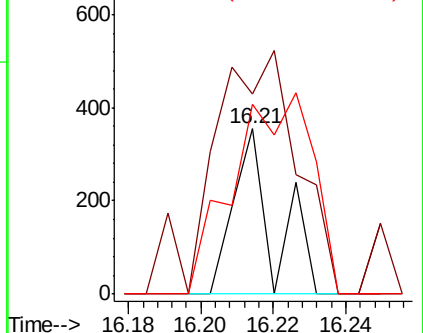
105 20.8 19.7 59.7

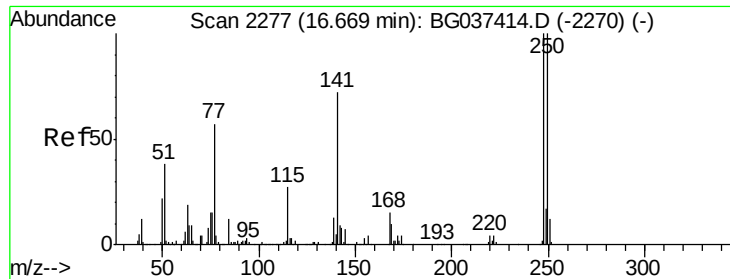


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

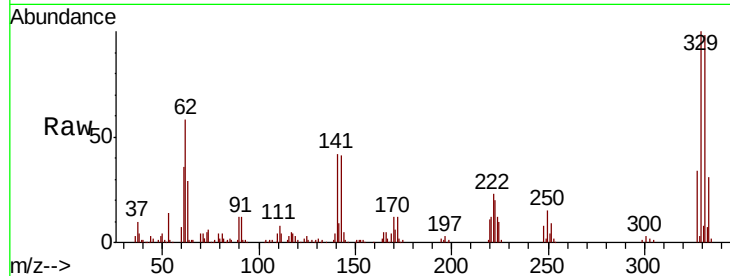




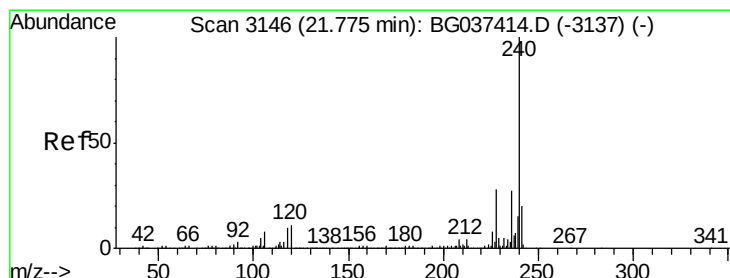
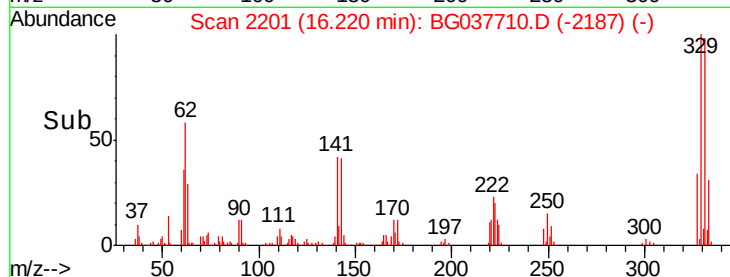
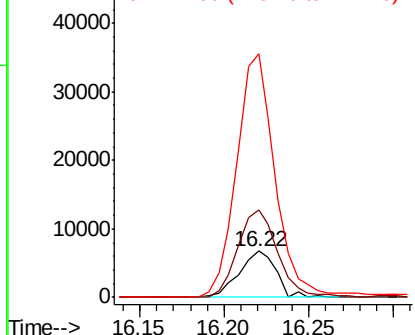
#67
 4-Bromophenyl-phenylether
 Concen: 2.638 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10136
 Ion Ratio Lower Upper
 248 100
 250 190.1 77.0 115.6#
 141 411.9 55.5 83.3#

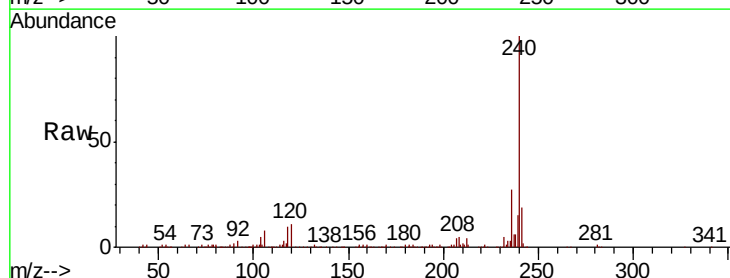


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

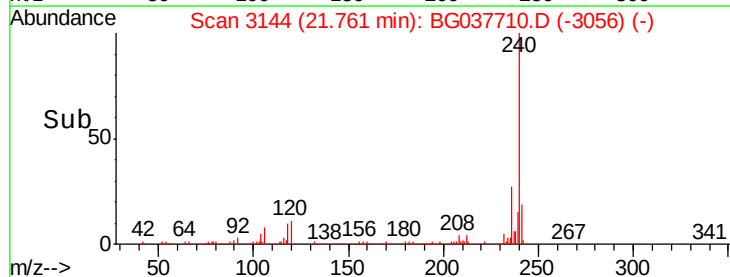
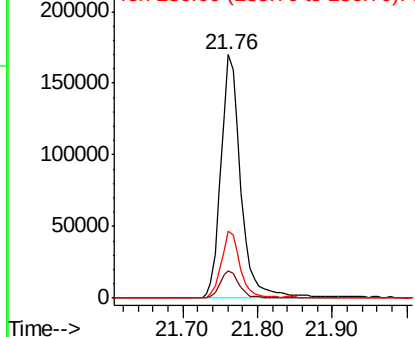


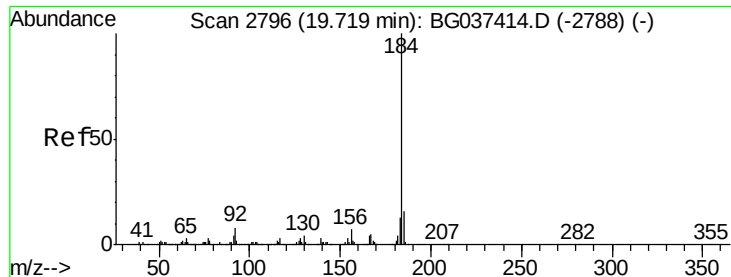
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037710.D
 Acq: 1 Nov 2018 9:20

Tgt Ion:240 Resp: 316910
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.1 12.1
 236 27.3 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: 2.102 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

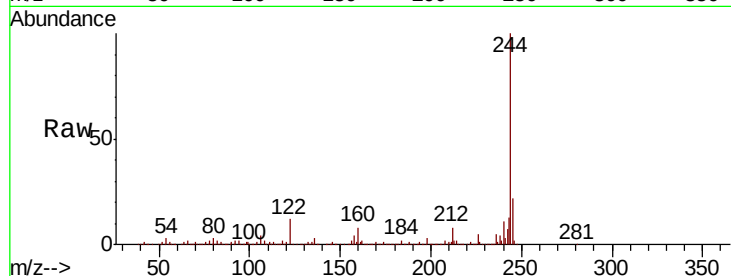
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 22649

Ion	Ratio	Lower	Upper
184	100		
185	20.0	12.6	18.8#
183	8.6	10.2	15.2#

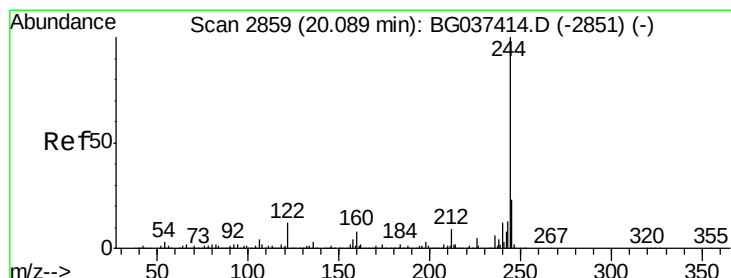
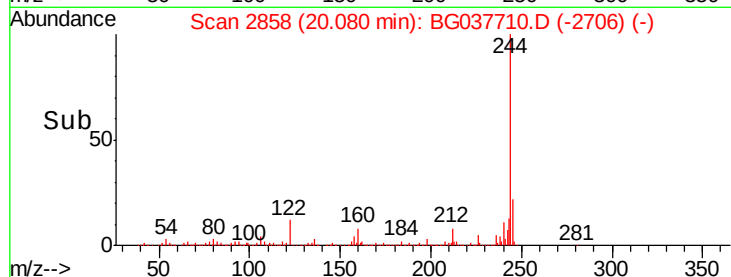
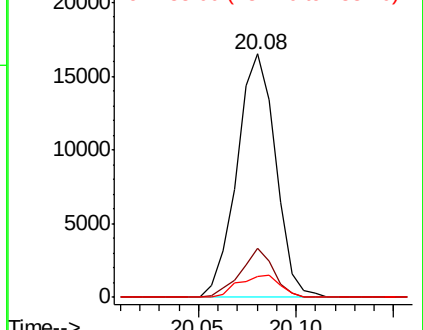


Abundance

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: 93.335 ng

RT: 20.08 min Scan# 2858

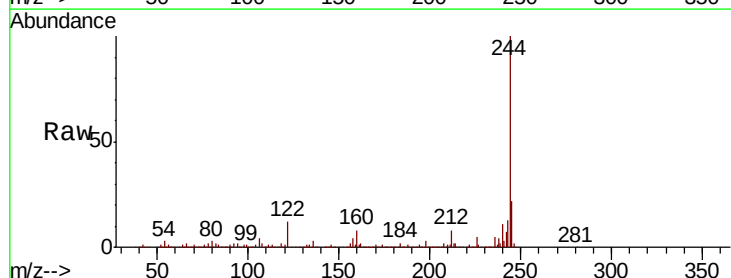
Delta R.T. -0.01 min

Lab File: BG037710.D

Acq: 1 Nov 2018 9:20

Tgt Ion:244 Resp: 1384284

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.5	9.0	13.4

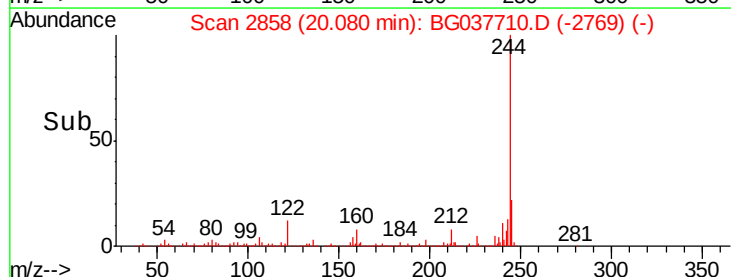
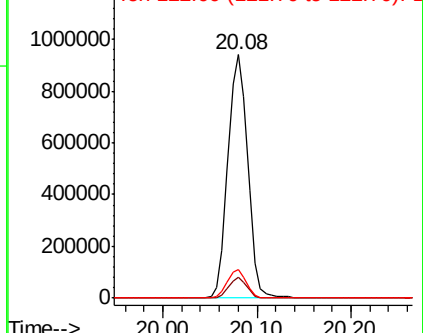


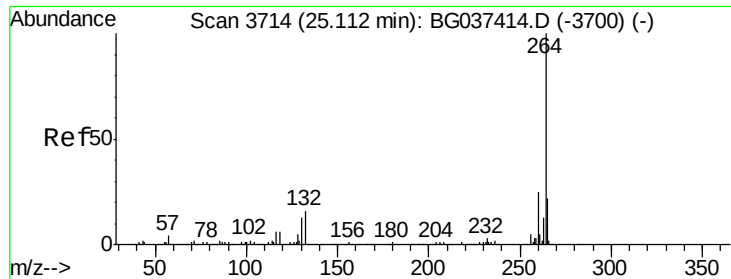
Abundance

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: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037710.D
Acq: 1 Nov 2018 9:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.7	17.9	26.9

