

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\
 Data File : BG037837.D
 Acq On : 6 Nov 2018 13:31
 Operator : JU/SJ
 Sample : J5750-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 15:25:10 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

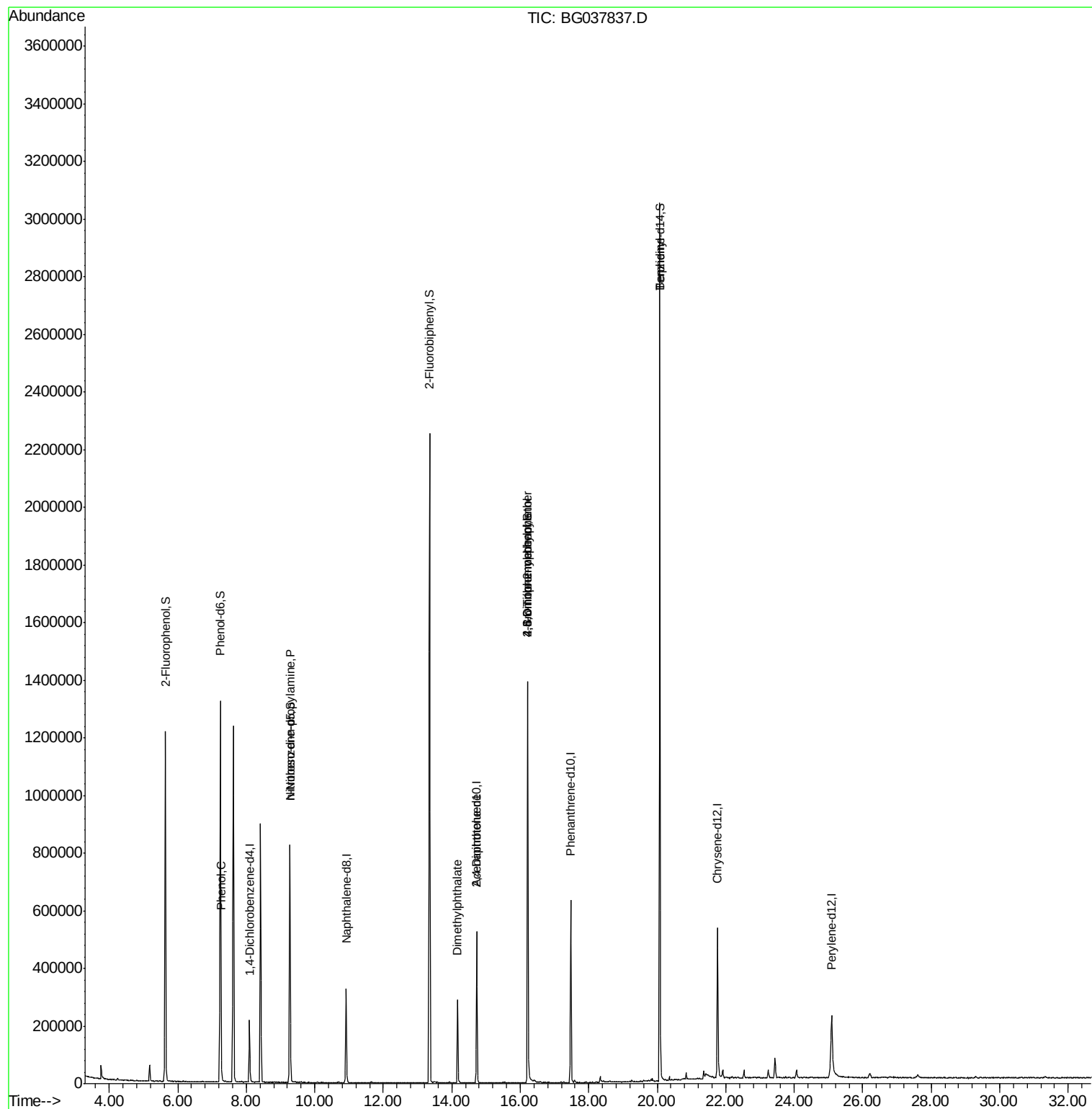
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	64410	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	297503	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	186510	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	400040	20.00	ng	0.00
76) Chrysene-d12	21.76	240	357599	20.00	ng	-0.01
87) Perylene-d12	25.09	264	317568	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	569128	147.73	ng	0.00
7) Phenol-d6	7.24	99	855918	146.92	ng	0.00
23) Nitrobenzene-d5	9.28	82	522088	98.31	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	273373	134.39	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1196203	96.71	ng	-0.01
79) Terphenyl-d14	20.07	244	1526433	91.21	ng	-0.01
Target Compounds						
10) Phenol	7.27	94	46443	7.556	ng	93
19) n-Nitroso-di-n-propylamine	9.28	70	67148	16.738	ng	# 72
50) Dimethylphthalate	14.18	163	215248	14.918	ng	98
57) 2,4-Dinitrotoluene	14.73	165	23497	5.608	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	737	8.796	ng	94
67) 4-Bromophenyl-phenylether	16.21	248	20442	4.653	ng	# 1
77) Benizidine	20.07	184	25119	2.066	ng	# 92

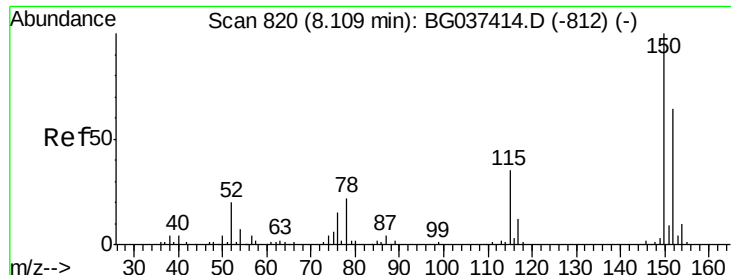
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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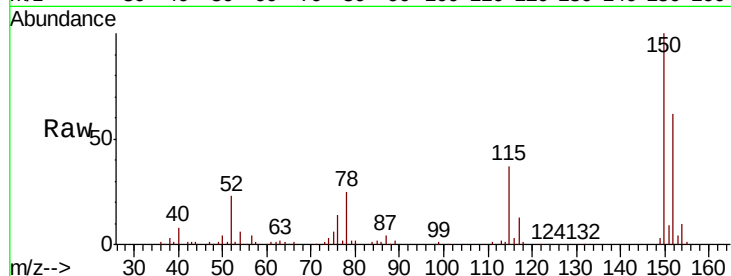


#1

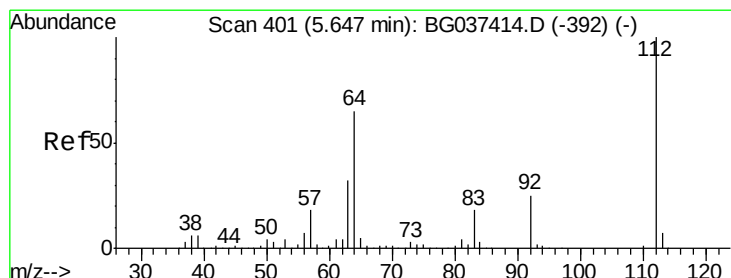
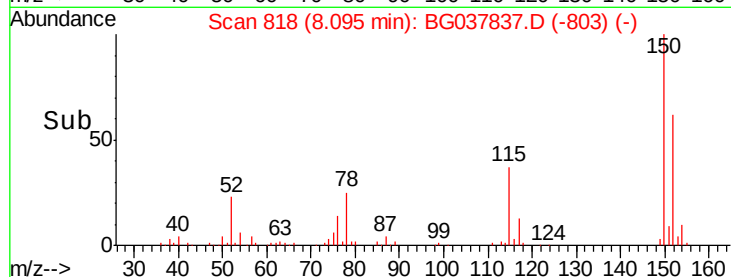
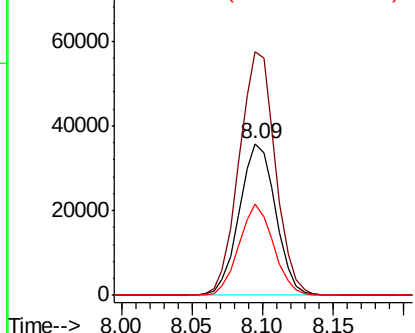
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64410
Ion Ratio Lower Upper
152 100
150 160.6 126.0 189.0
115 59.8 45.5 68.3



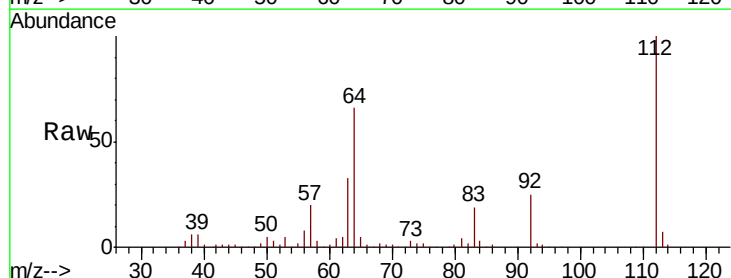
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



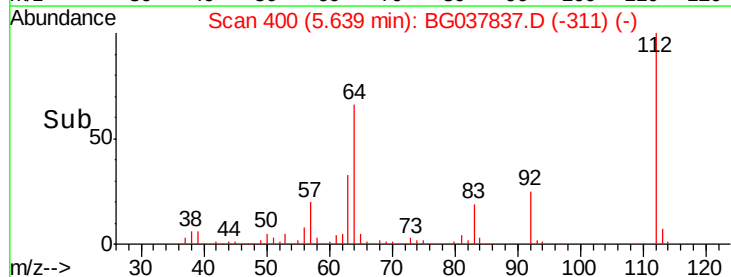
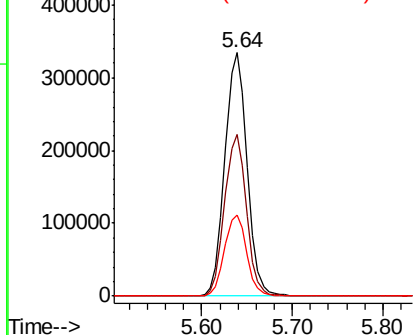
#5

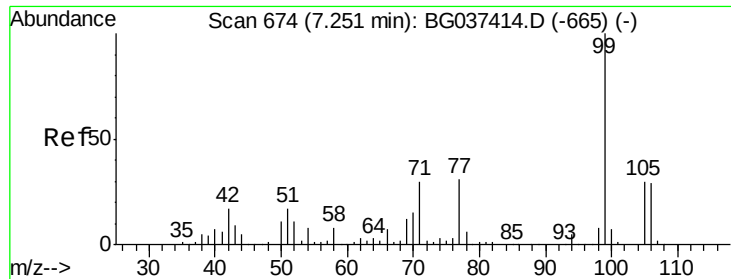
2-Fluorophenol
Concen: 147.725 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Tgt Ion:112 Resp: 569128
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.1 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: 146.923 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037837.D

Acq: 6 Nov 2018 13:31

Instrument :

BNA_G

ClientSampleId :

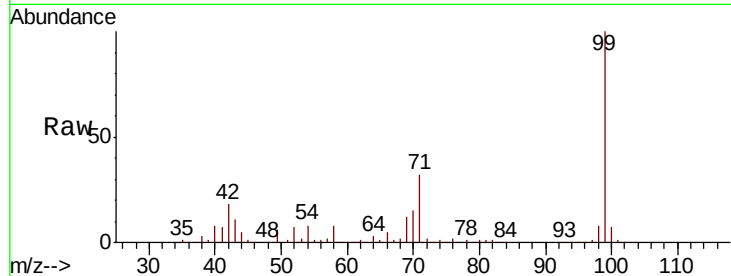
Tot Ion: 99 Resp: 855918

Ion Ratio Lower Upper

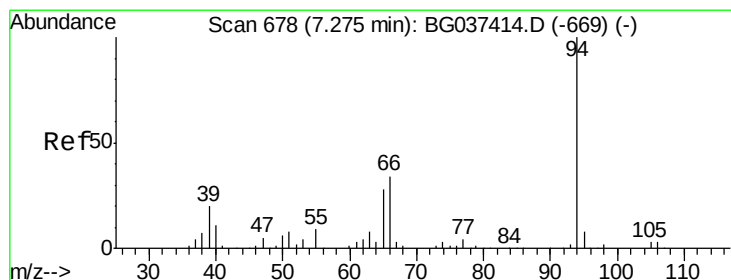
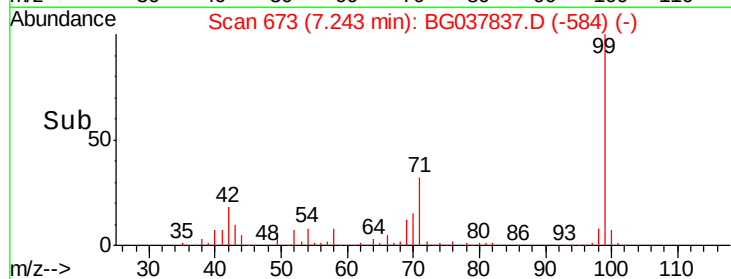
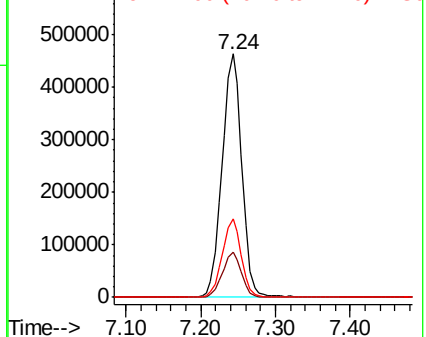
99 100

42 18.4 15.0 22.4

71 32.0 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: 7.556 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037837.D

Acq: 6 Nov 2018 13:31

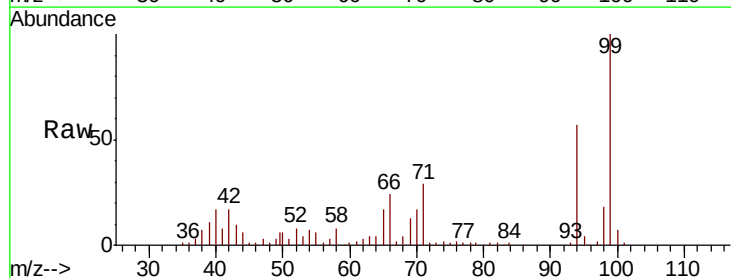
Tgt Ion: 94 Resp: 46443

Ion Ratio Lower Upper

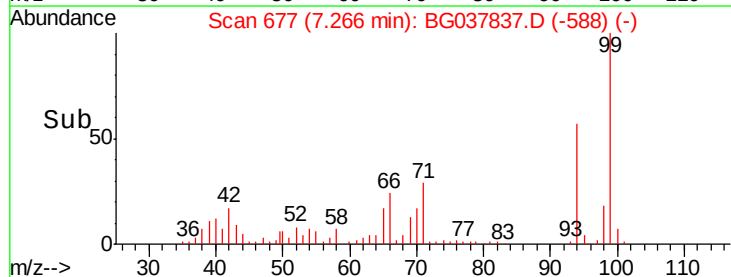
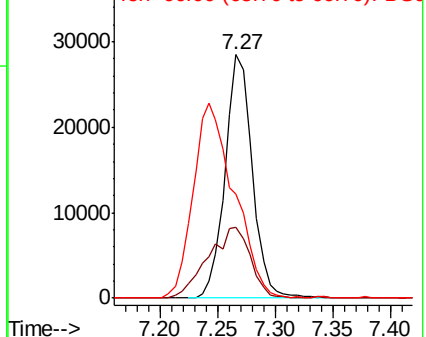
94 100

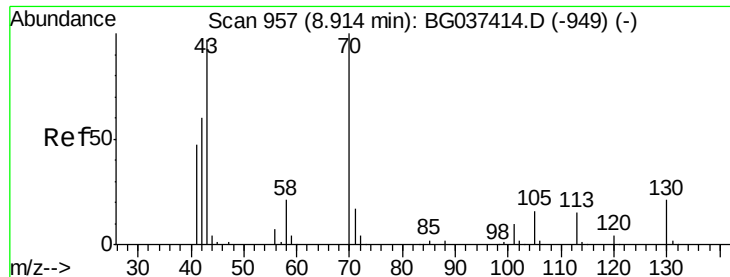
65 29.1 9.7 49.7

66 42.6 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

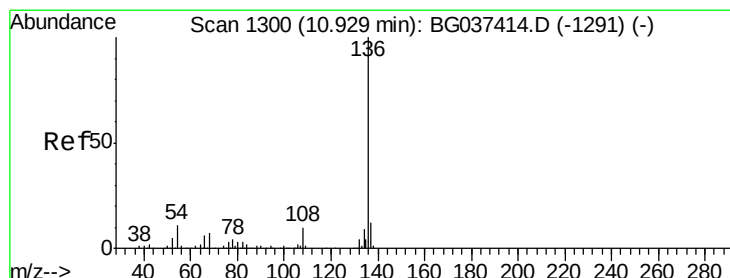
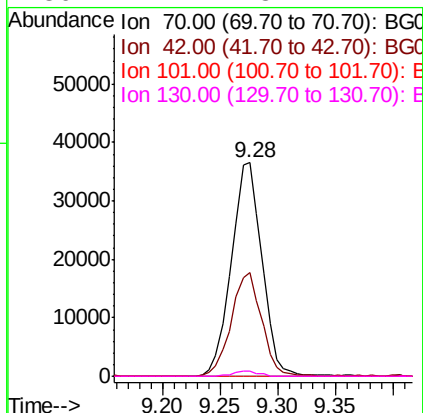
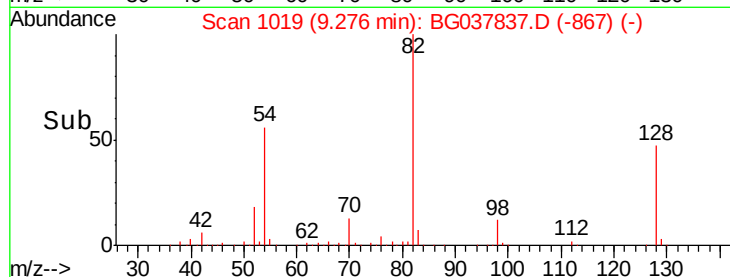
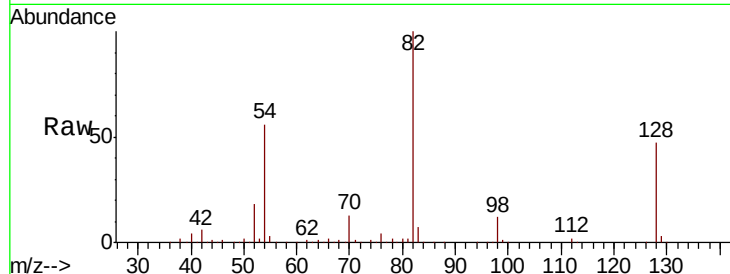




#19
n-Nitroso-di-n-propylamine
Concen: 16.738 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

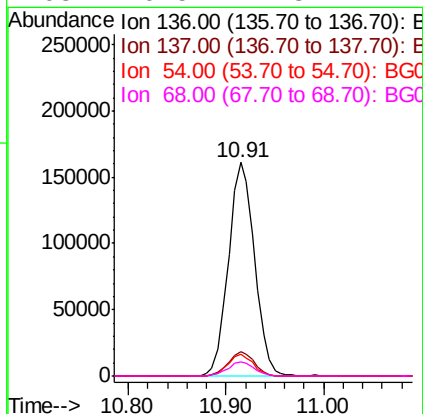
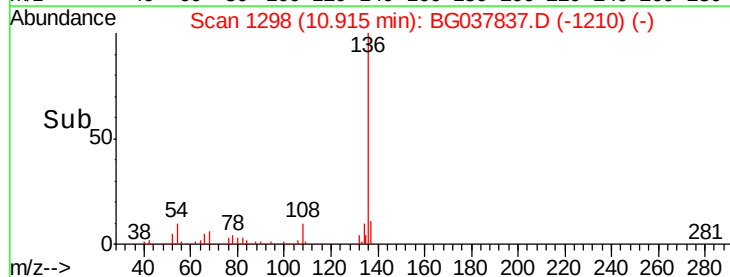
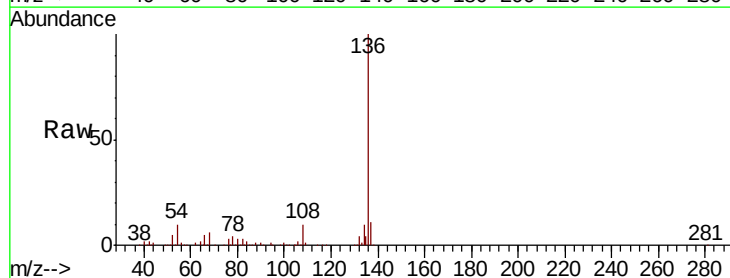
Instrument :
BNA_G
ClientSampleId :

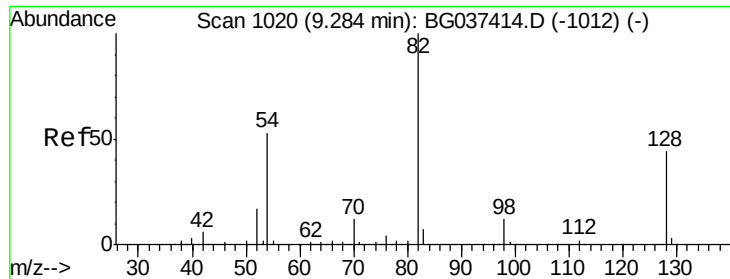
Tot Ion: 70 Resp: 67148
Ion Ratio Lower Upper
70 100
42 48.4 53.9 80.9#
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Tgt Ion:136 Resp: 297503
Ion Ratio Lower Upper
136 100
137 11.4 9.6 14.4
54 9.9 7.9 11.9
68 6.5 4.8 7.2

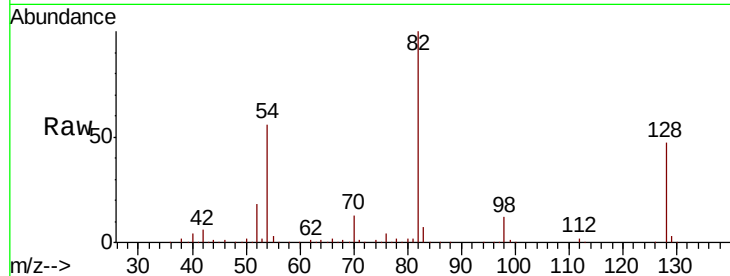




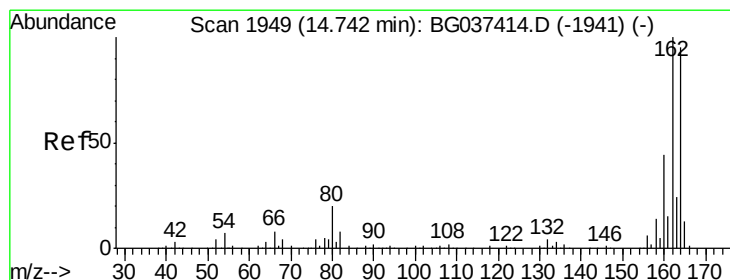
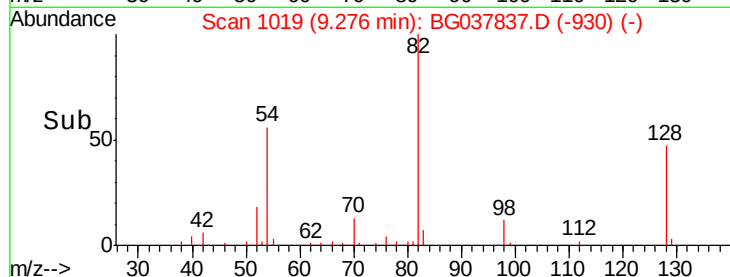
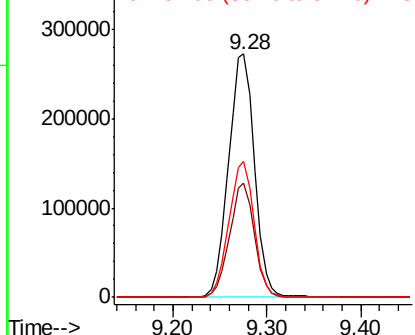
#23
 Nitrobenzene-d5
 Concen: 98.308 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037837.D
 Acq: 6 Nov 2018 13:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	522088
Ion Ratio	Lower	Upper	
82	100		
128	47.1	34.6	51.8
54	55.9	45.3	67.9

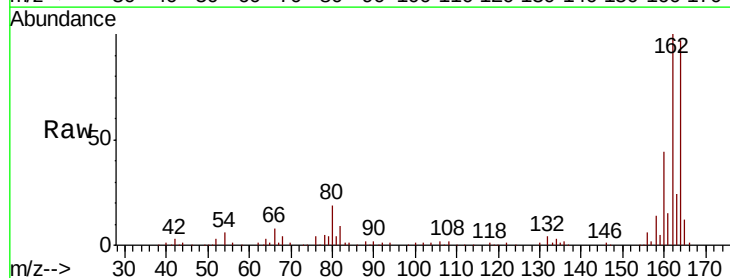


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

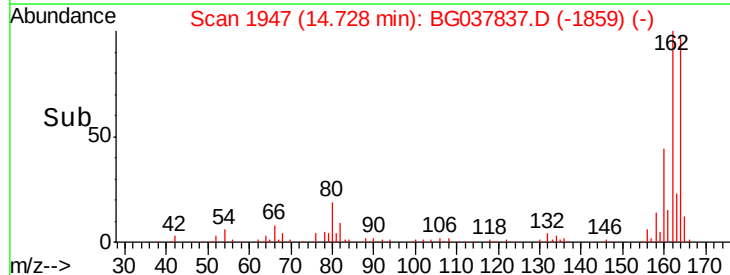
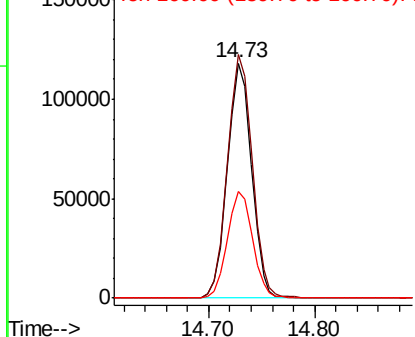


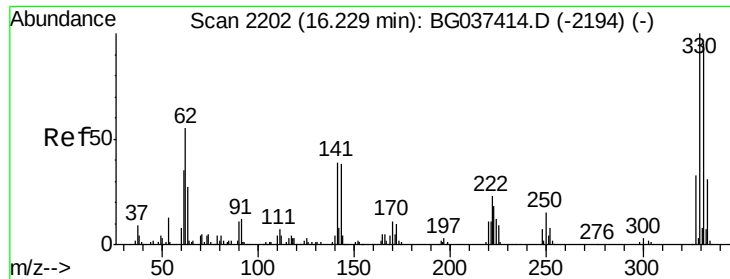
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BG037837.D
 Acq: 6 Nov 2018 13:31

Tgt Ion	164	Resp	186510
Ion Ratio	Lower	Upper	
164	100		
162	103.6	81.3	121.9
160	45.5	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

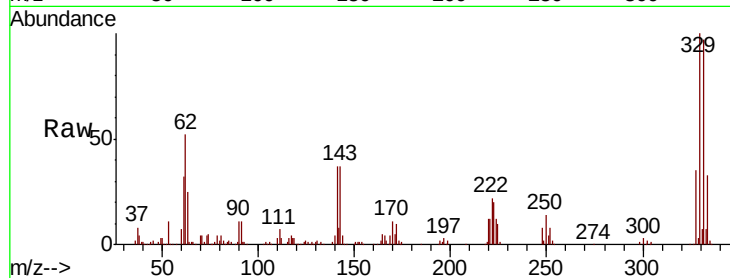




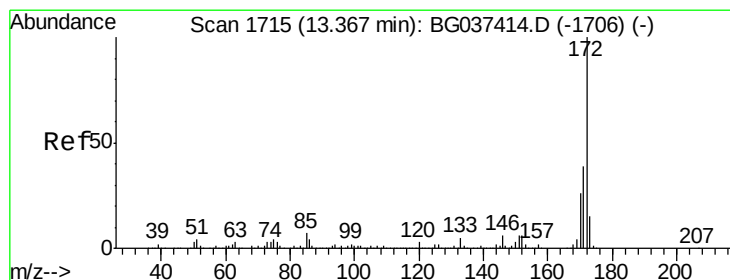
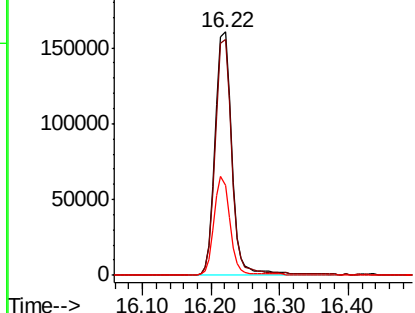
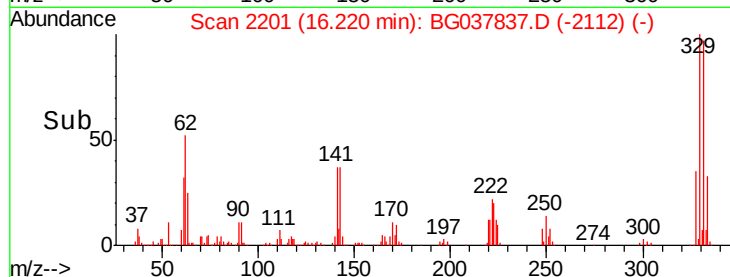
#42
 2,4,6-Tribromophenol
 Concen: 134.386 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037837.D
 Acq: 6 Nov 2018 13:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 273373
 Ion Ratio Lower Upper
 330 100
 332 94.8 78.4 117.6
 141 38.8 32.2 48.2

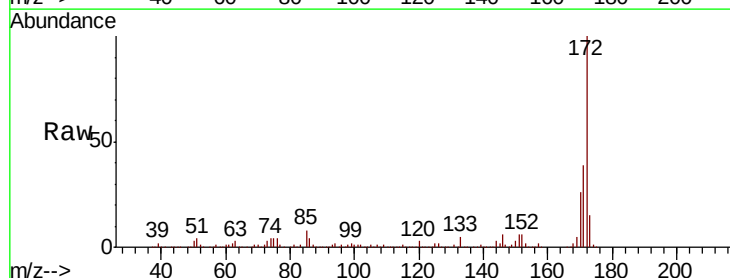


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

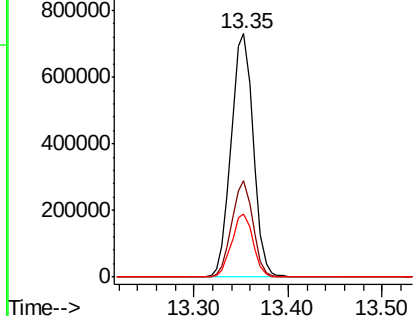
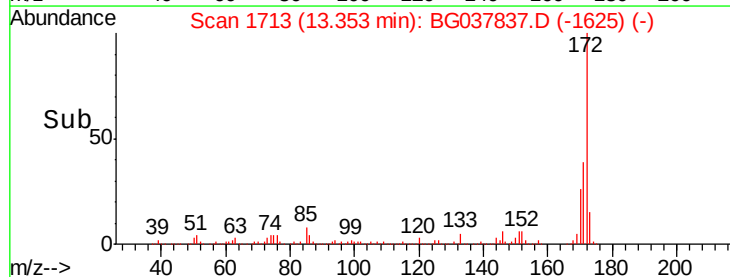


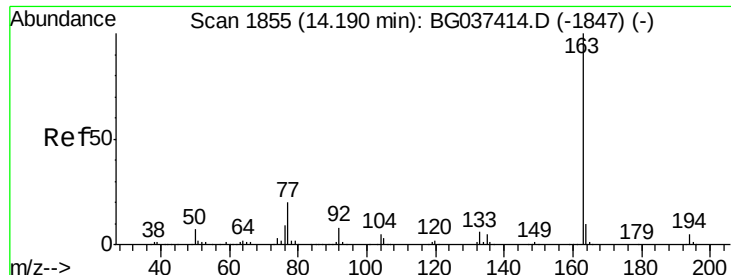
#45
 2-Fluorobiphenyl
 Concen: 96.714 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037837.D
 Acq: 6 Nov 2018 13:31

Tgt Ion:172 Resp: 1196203
 Ion Ratio Lower Upper
 172 100
 171 39.4 31.0 46.4
 170 25.9 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





#50

Dimethylphthalate

Concen: 14.918 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037837.D

Acq: 6 Nov 2018 13:31

Instrument :

BNA_G

ClientSampleId :

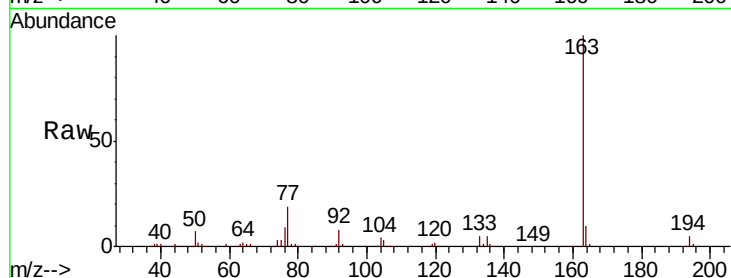
Tot Ion:163 Resp: 215248

Ion Ratio Lower Upper

163 100

194 5.0 3.5 5.3

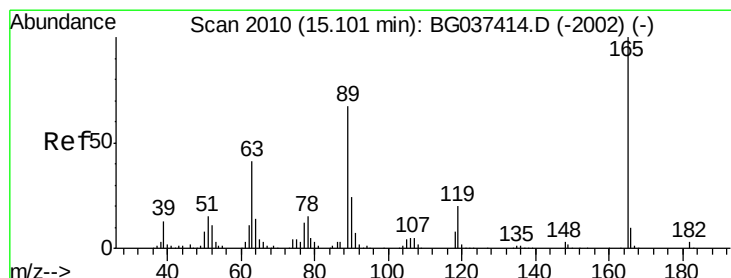
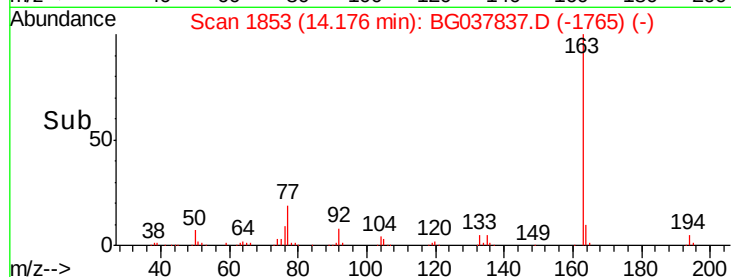
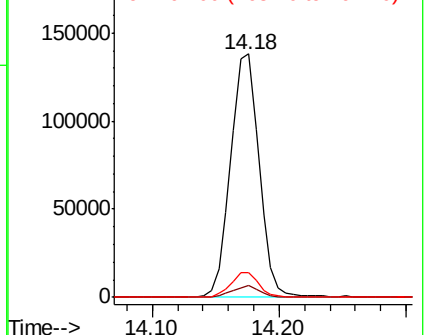
164 10.0 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.608 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037837.D

Acq: 6 Nov 2018 13:31

Tgt Ion:165 Resp: 23497

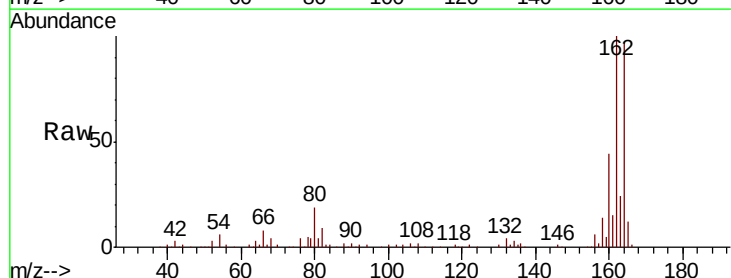
Ion Ratio Lower Upper

165 100

63 2.3 33.4 50.0#

89 1.2 57.2 85.8#

182 0.0 2.6 4.0#

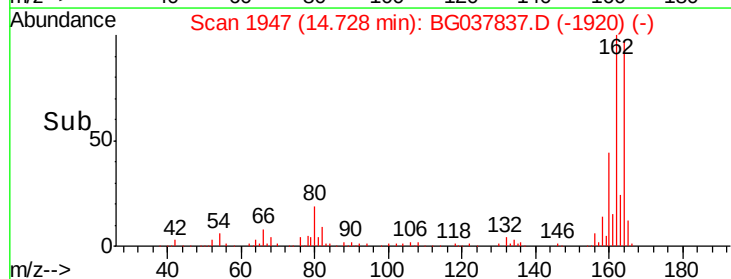
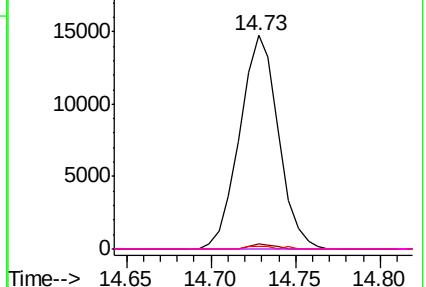


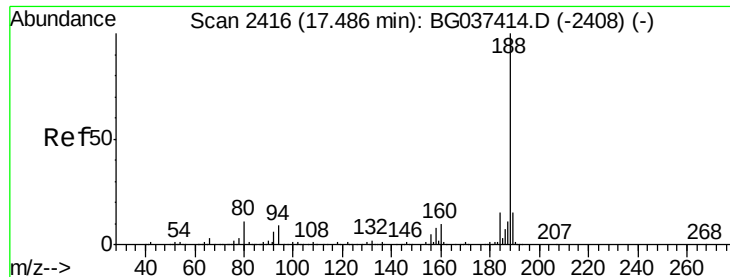
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG037837.D

Acq: 6 Nov 2018 13:31

Instrument :

BNA_G

ClientSampleId :

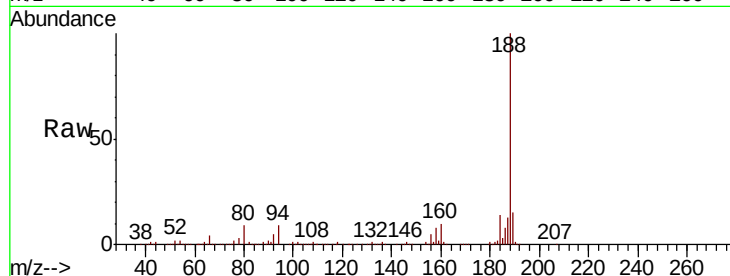
Tot Ion:188 Resp: 400040

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

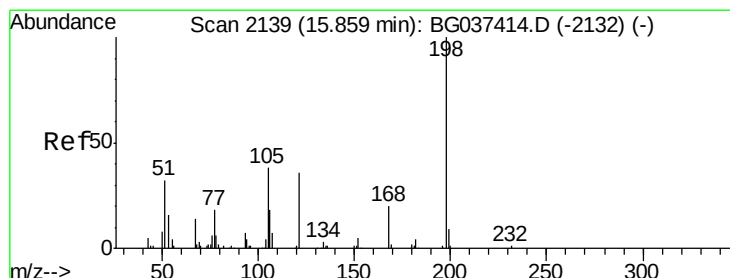
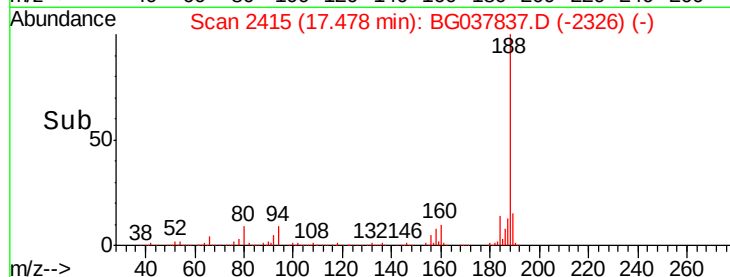
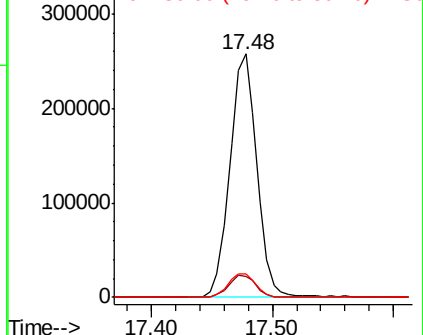
80 9.4 7.7 11.5



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: 8.796 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037837.D

Acq: 6 Nov 2018 13:31

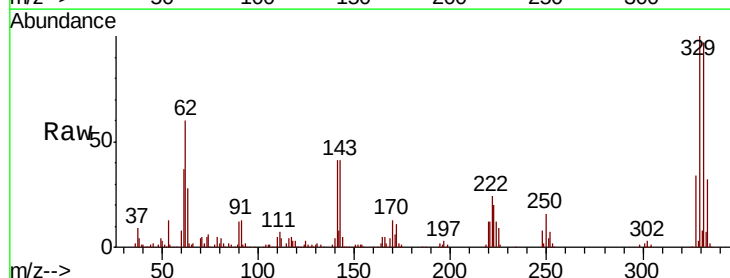
Tgt Ion:198 Resp: 737

Ion Ratio Lower Upper

198 100

51 38.5 22.7 62.7

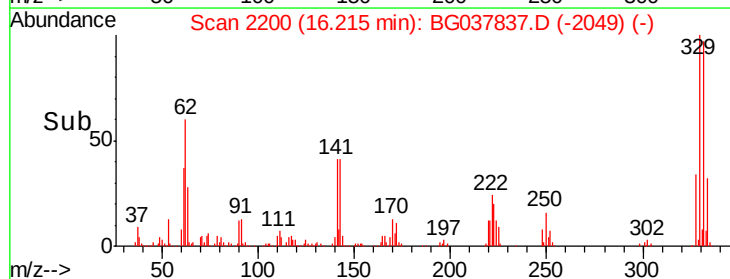
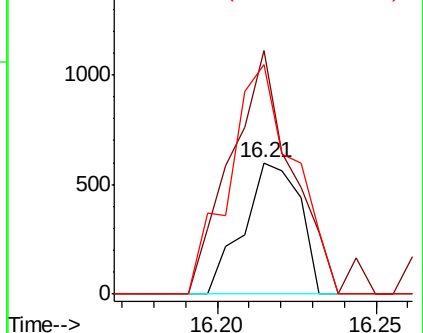
105 36.2 19.7 59.7

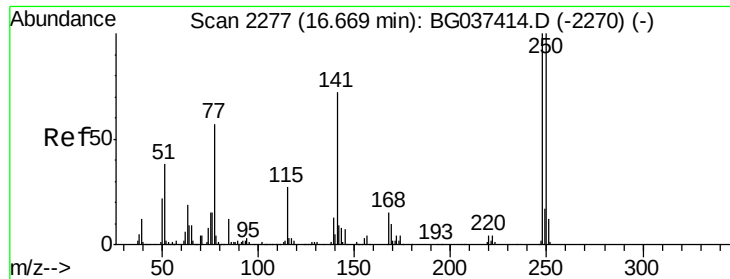


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

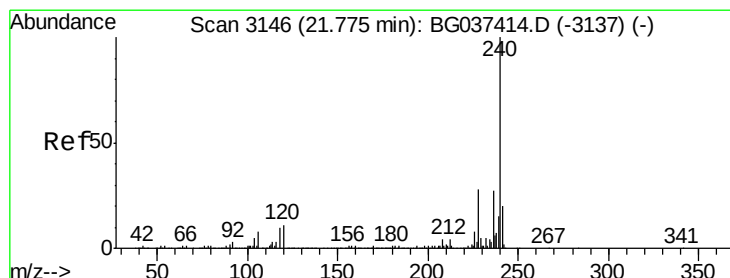
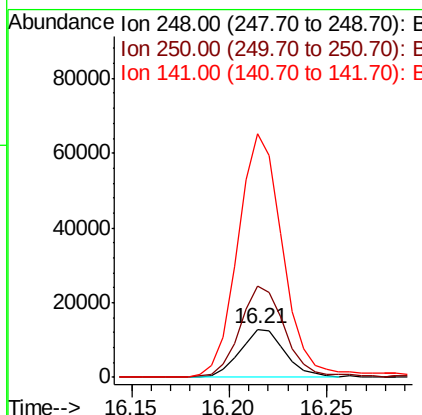
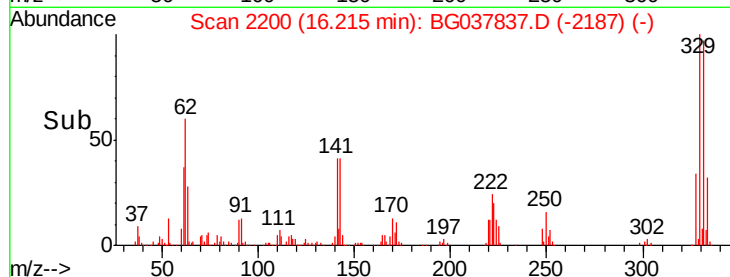
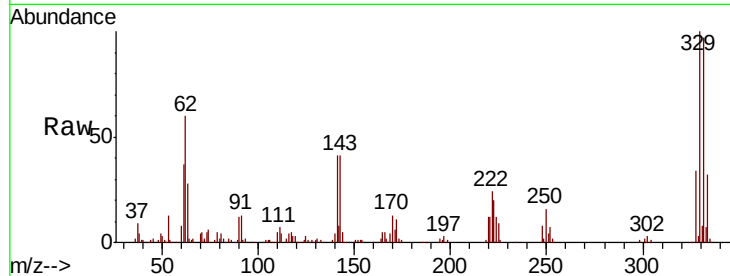




#67
4-Bromophenyl-phenylether
Concen: 4.653 ng
RT: 16.21 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

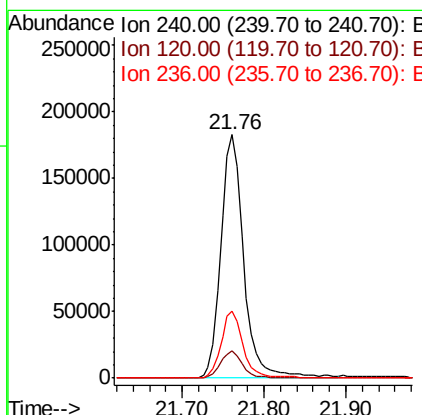
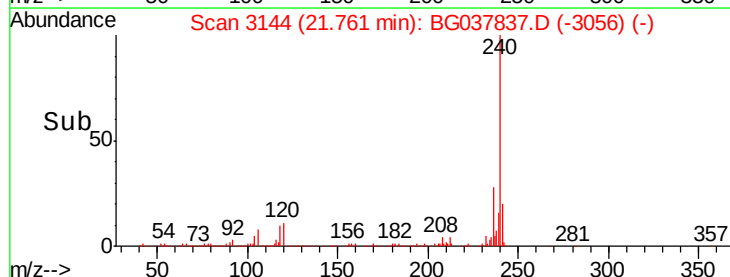
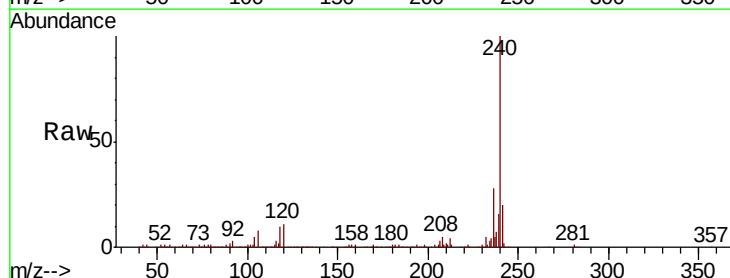
Instrument :
BNA_G
ClientSampleId :

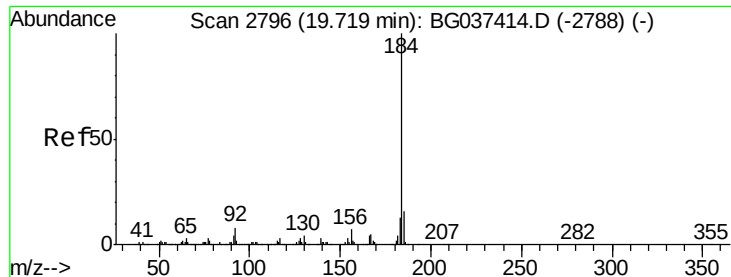
Tot Ion:248 Resp: 20442
Ion Ratio Lower Upper
248 100
250 195.1 77.0 115.6#
141 407.7 55.5 83.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Tgt Ion:240 Resp: 357599
Ion Ratio Lower Upper
240 100
120 11.3 8.1 12.1
236 27.5 21.4 32.0

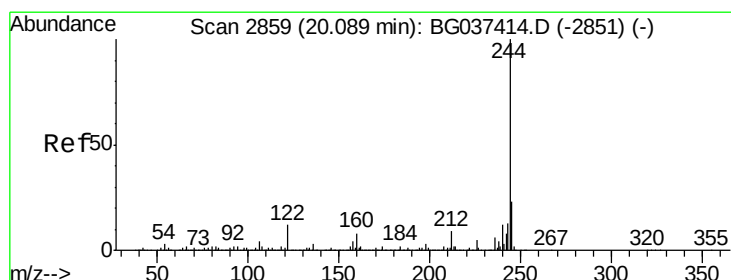
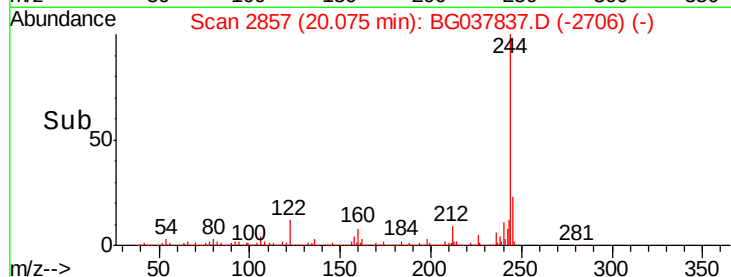
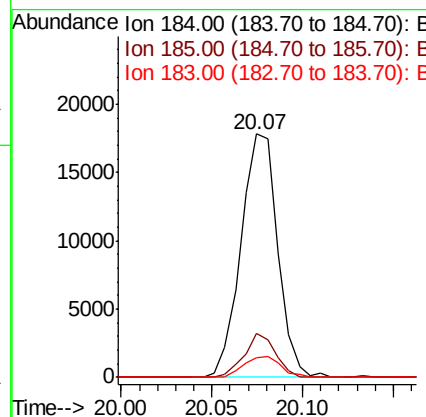
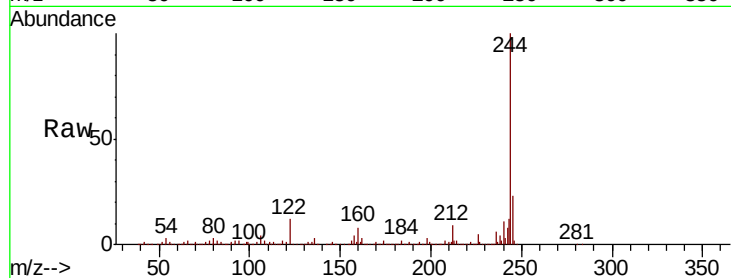




#77
Benzidine
Concen: 2.066 ng
RT: 20.07 min Scan# 2857
Delta R.T. 0.36 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

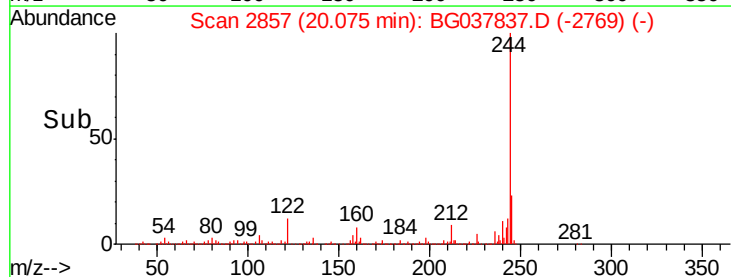
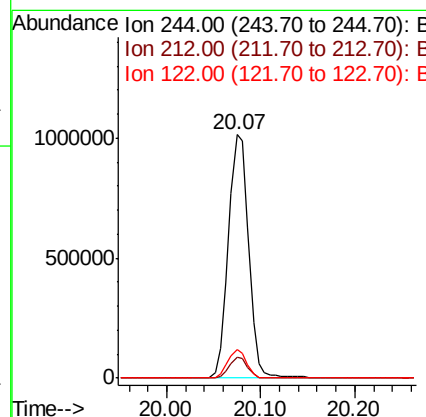
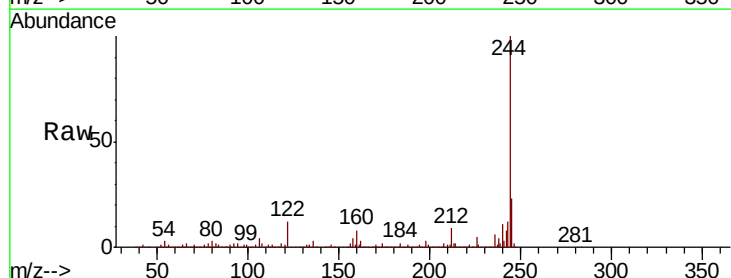
Instrument :
BNA_G
ClientSampled :

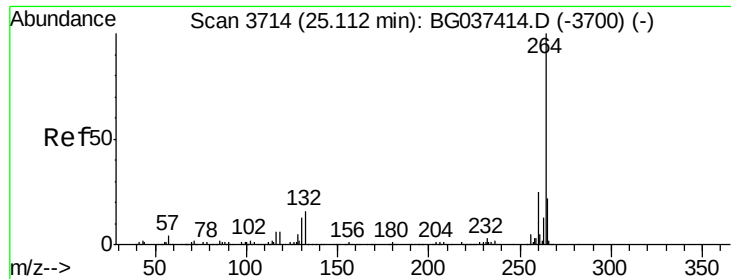
Tot Ion:184 Resp: 25119
Ion Ratio Lower Upper
184 100
185 17.8 12.6 18.8
183 8.0 10.2 15.2#



#79
Terphenyl-d14
Concen: 91.209 ng
RT: 20.07 min Scan# 2857
Delta R.T. -0.01 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Tgt Ion:244 Resp: 1526433
Ion Ratio Lower Upper
244 100
212 8.6 6.5 9.7
122 11.9 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG037837.D
Acq: 6 Nov 2018 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	21.0	17.9	26.9

