

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037387.D
 Acq On : 17 Oct 2018 12:08
 Operator : JU/SJ
 Sample : PB113906BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 13:50:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

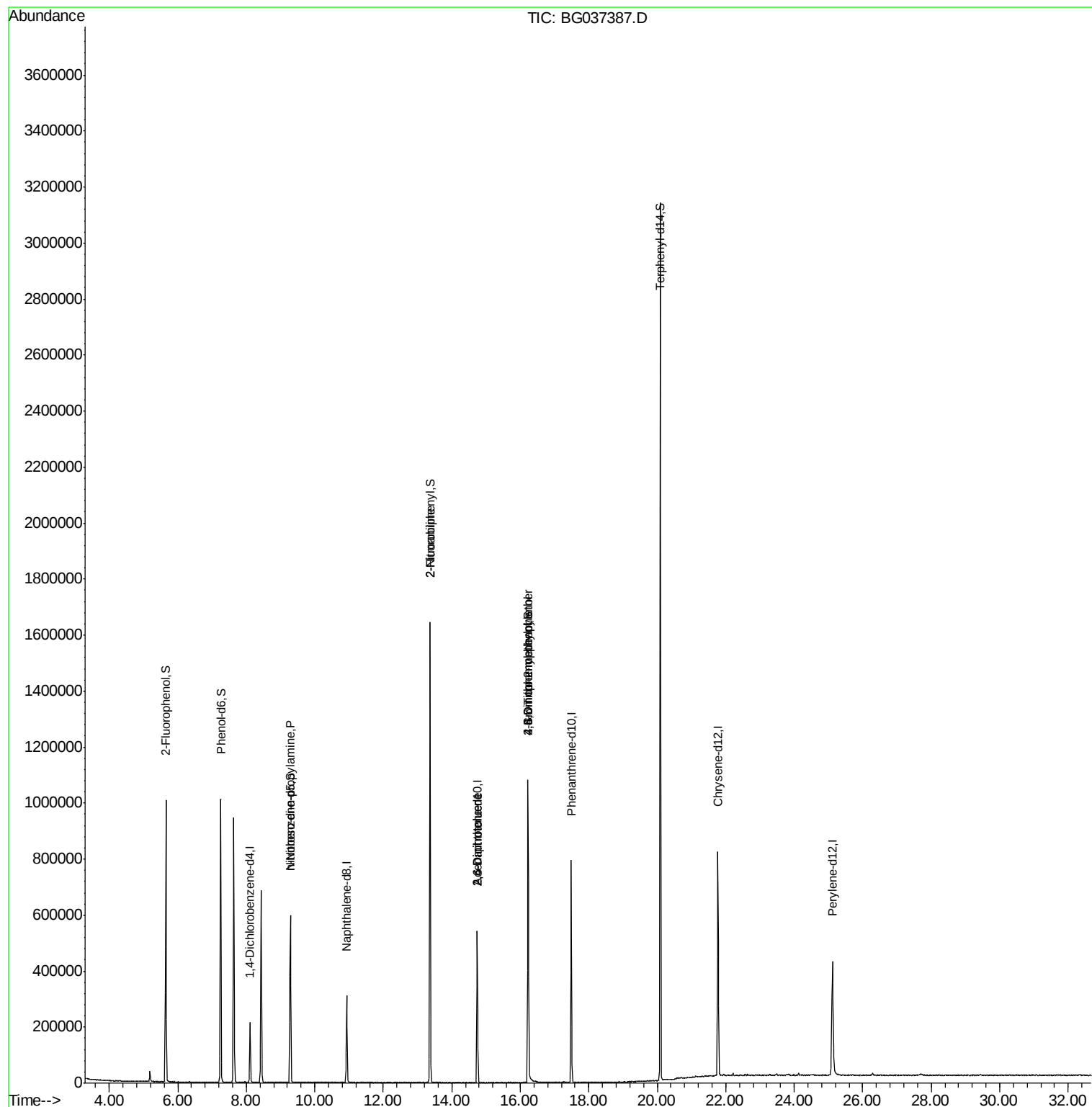
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	66645	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	280198	20.00	ng	-0.02
39) Acenaphthene-d10	14.75	164	193151	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	504279	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	480588	20.00	ng	-0.02
87) Perylene-d12	25.12	264	472210	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	461267	121.81	ng	0.00
7) Phenol-d6	7.25	99	652182	113.47	ng	0.00
23) Nitrobenzene-d5	9.29	82	362754	85.12	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	209223	110.45	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	917886	71.37	ng	-0.02
79) Terphenyl-d14	20.09	244	1540175	67.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	44260	10.171	ng	# 74
48) 2-Nitroaniline	13.37	65	1460	6.150	ng	# 14
51) 2,6-Dinitrotoluene	14.75	165	25013	12.444	ng	# 26
57) 2,4-Dinitrotoluene	14.75	165	25013	11.290	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	262	6.091	ng	76
67) 4-Bromophenyl-phenylether	16.23	248	15430	2.835	ng	# 1

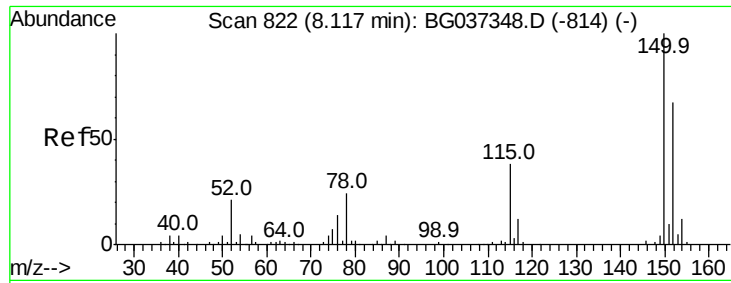
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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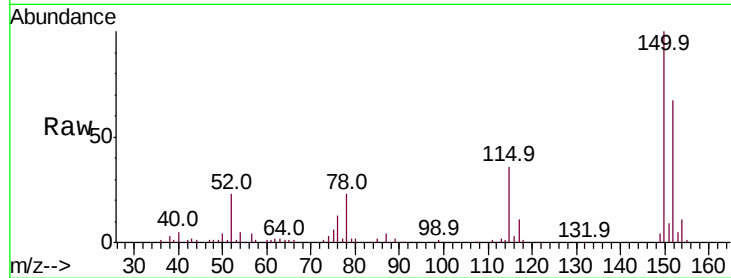


#1

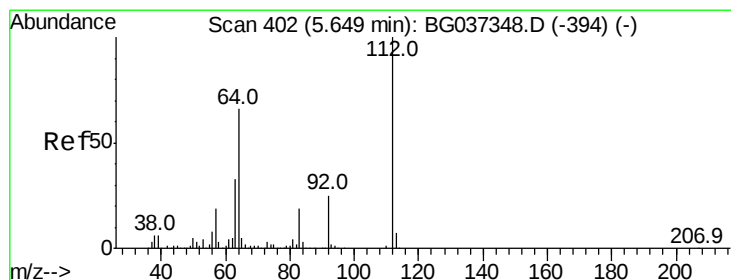
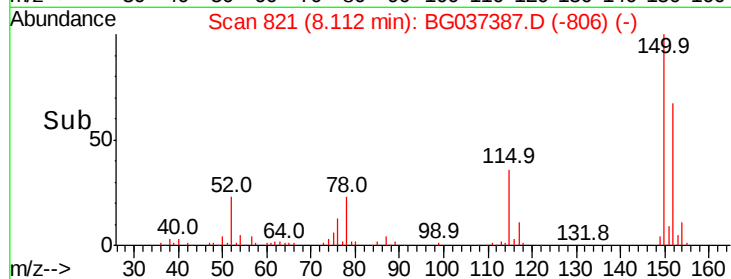
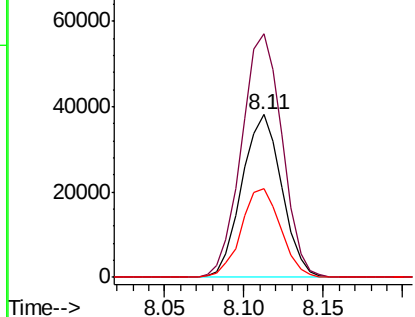
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66645
Ion Ratio Lower Upper
152 100
150 149.9 126.0 189.0
115 54.6 45.5 68.3



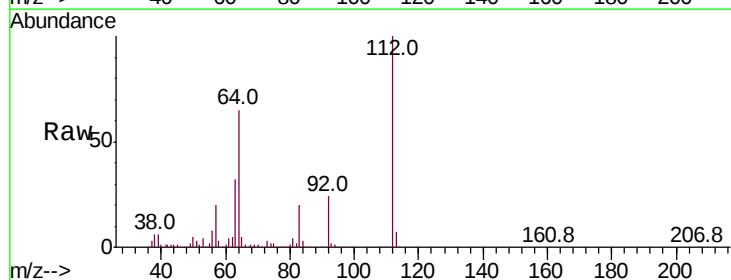
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



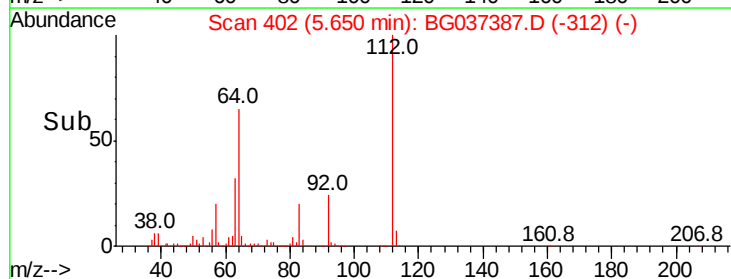
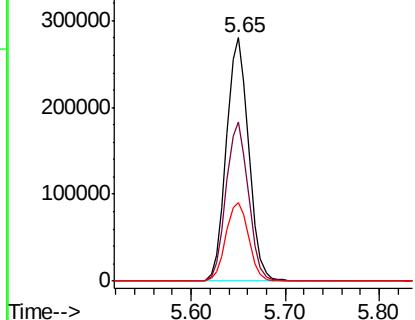
#5

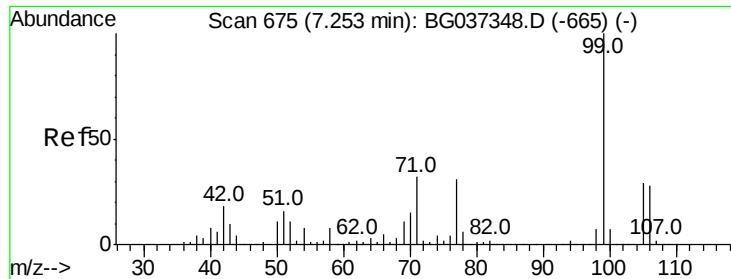
2-Fluorophenol
Concen: 121.808 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

Tgt Ion:112 Resp: 461267
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 32.4 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.466 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Instrument :

BNA_G

ClientSampleId :

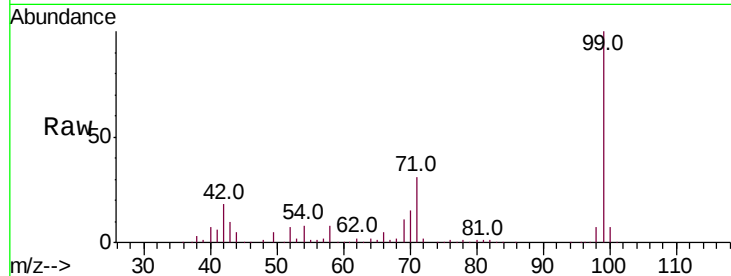
Tot Ion: 99 Resp: 652182

Ion Ratio Lower Upper

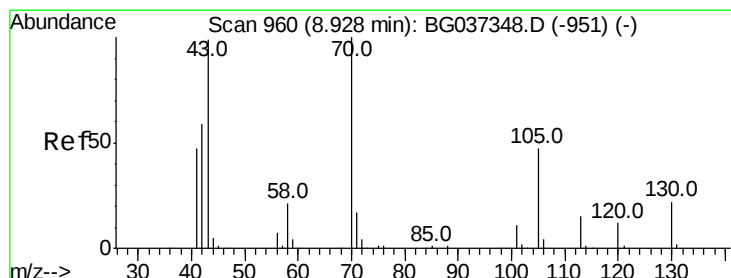
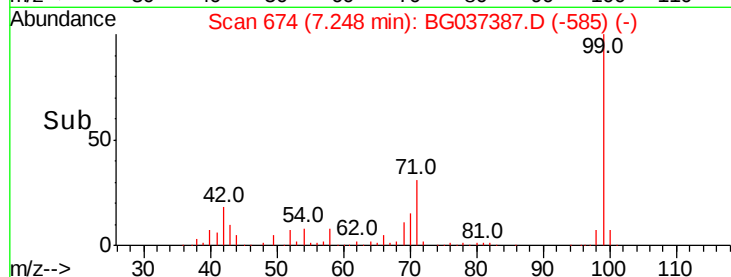
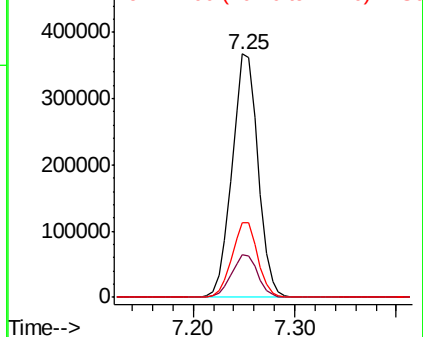
99 100

42 17.6 15.0 22.4

71 30.6 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: 10.171 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Tgt Ion: 70 Resp: 44260

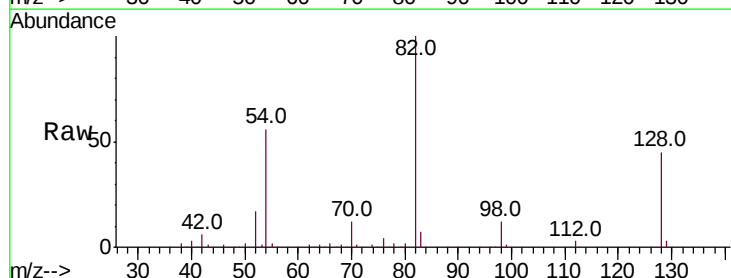
Ion Ratio Lower Upper

70 100

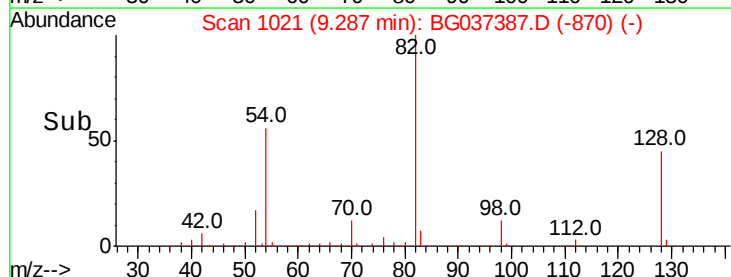
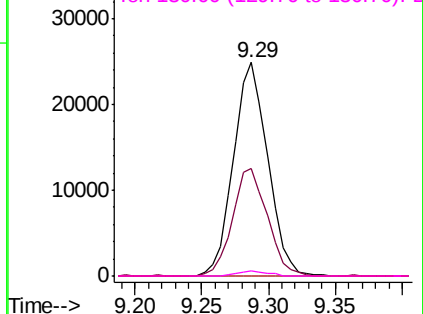
42 50.6 53.9 80.9#

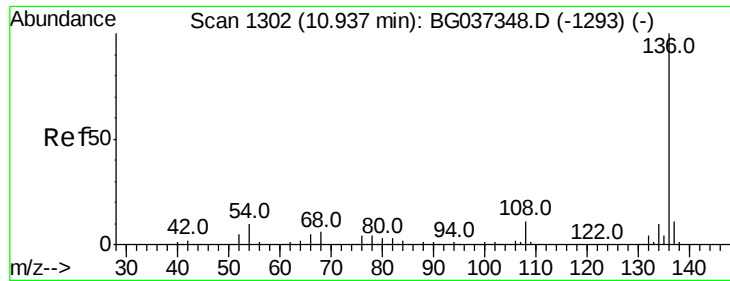
101 0.0 8.2 12.2#

130 2.2 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

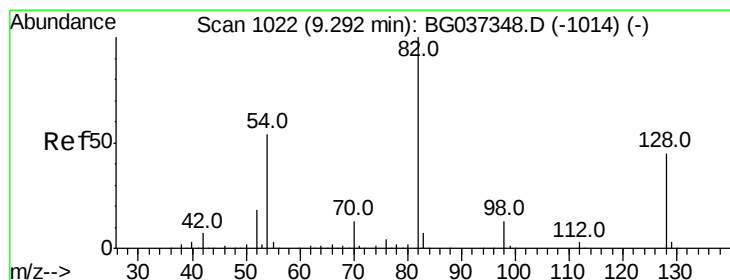
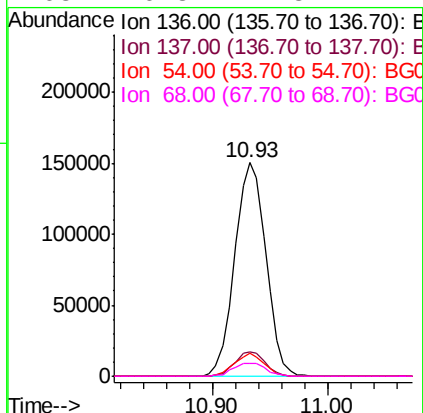
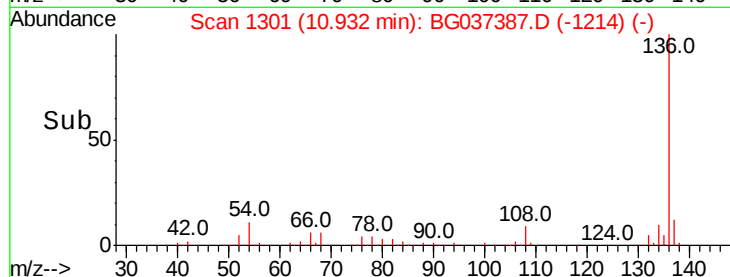
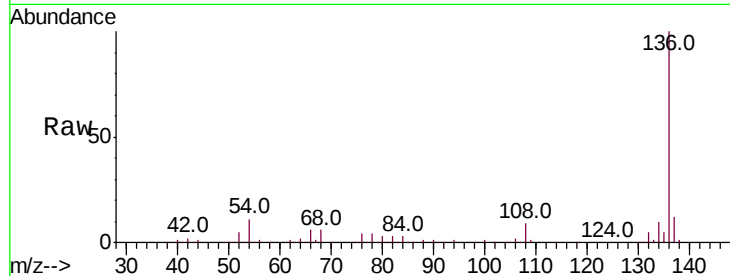




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

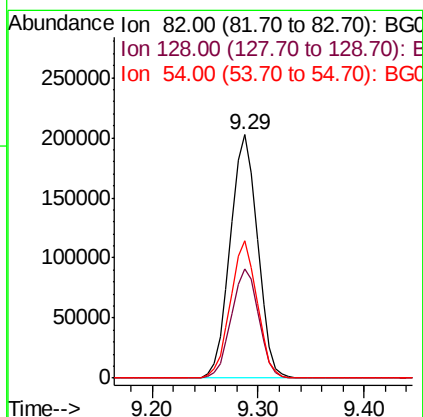
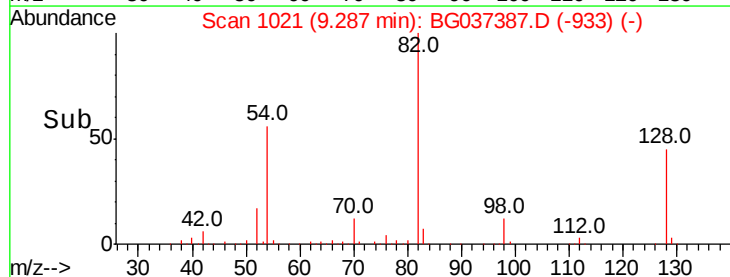
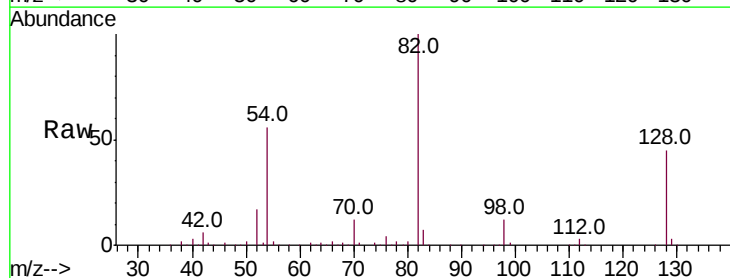
Instrument :
BNA_G
ClientSampleId :

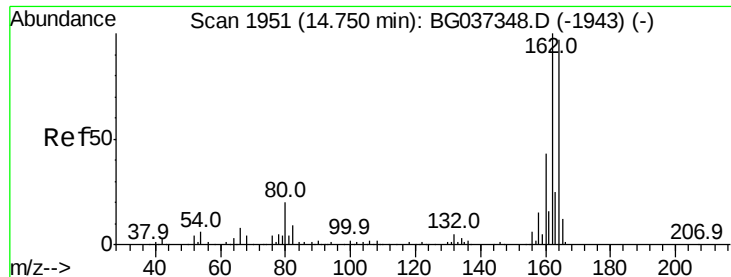
Tot Ion:	136	Resp:	280198
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	10.5	7.9	11.9
68	6.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 85.116 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

Tgt Ion:	82	Resp:	362754
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	56.4	45.3	67.9

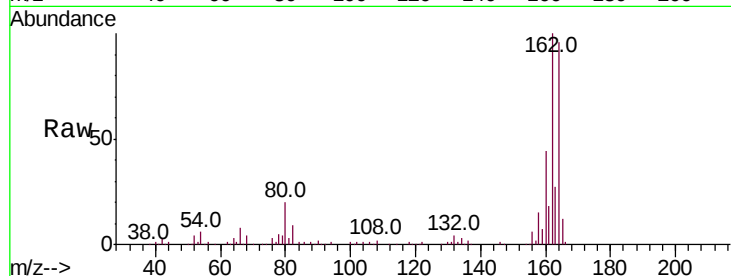




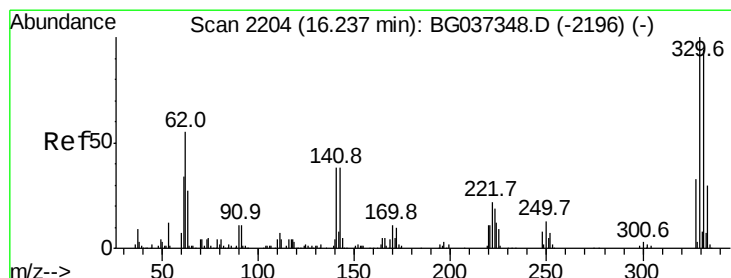
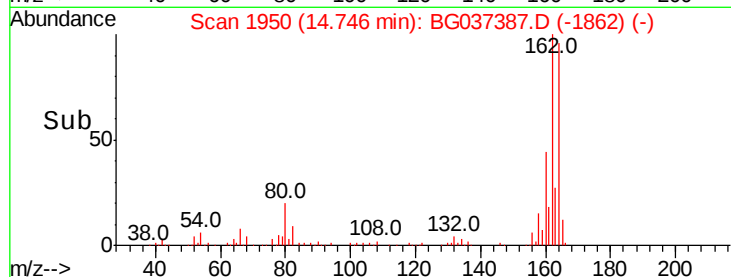
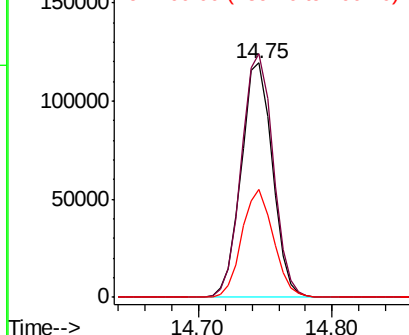
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 193151
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 45.8 36.3 54.5

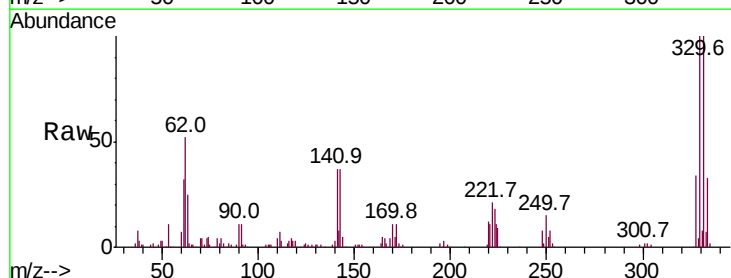


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

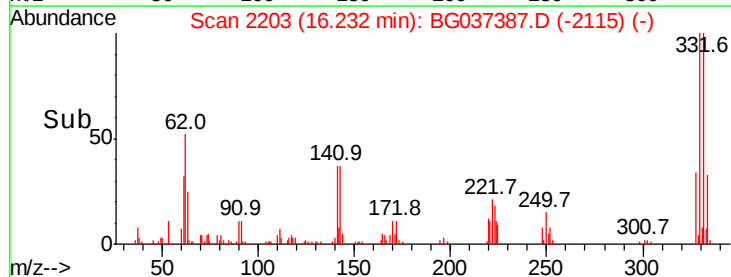
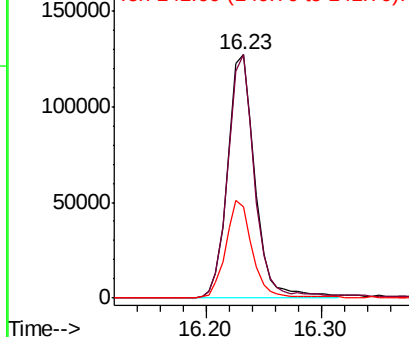


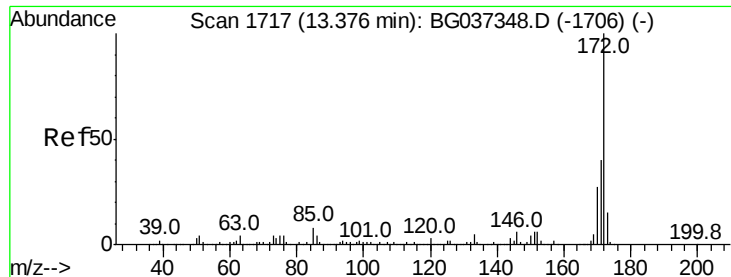
#42
2,4,6-Tribromophenol
Concen: 110.450 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BG037387.D
Acq: 17 Oct 2018 12:08

Tgt Ion:330 Resp: 209223
Ion Ratio Lower Upper
330 100
332 99.5 78.4 117.6
141 39.4 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

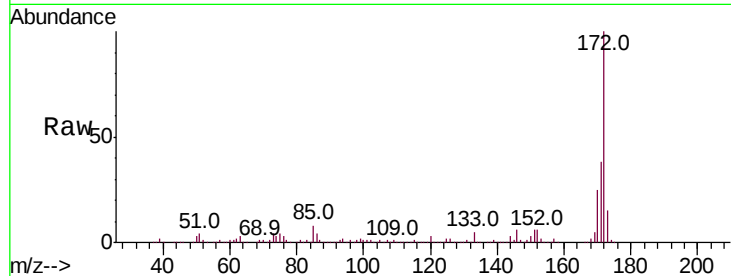




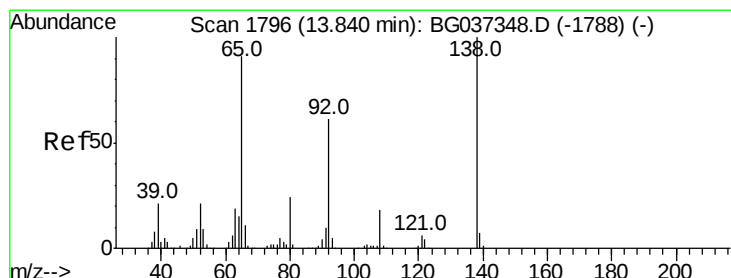
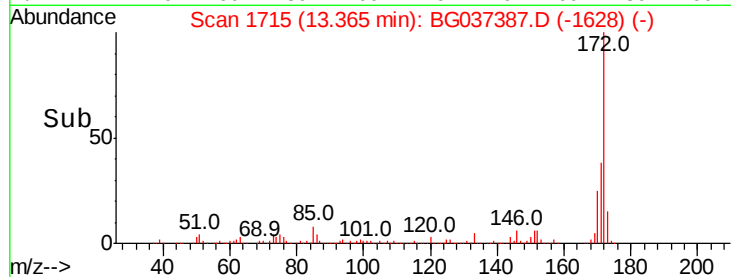
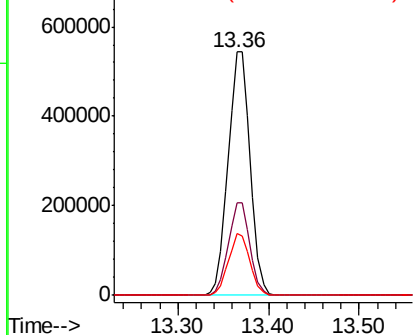
#45
 2-Fluorobiphenyl
 Concen: 71.366 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG037387.D
 Acq: 17 Oct 2018 12:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	25.2	20.2	30.2

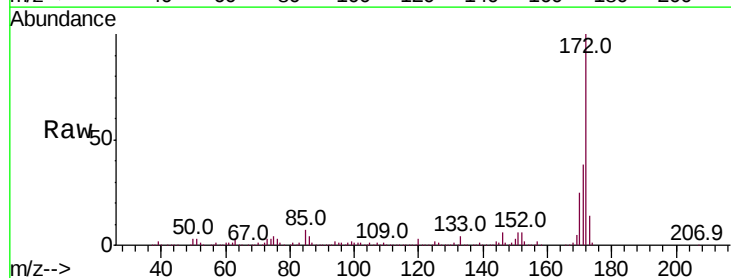


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

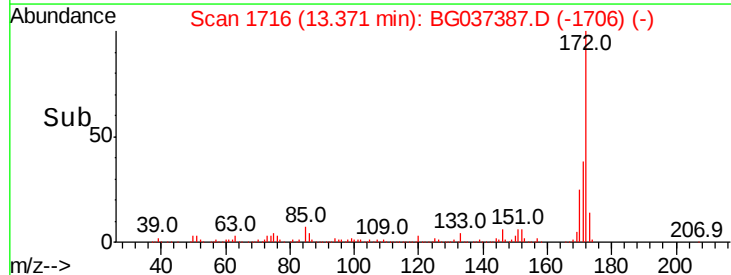
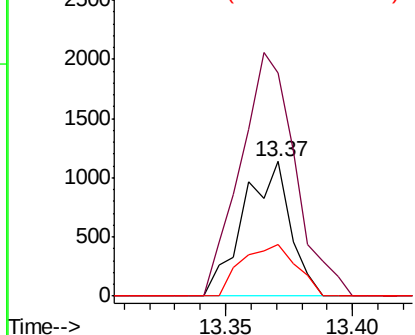


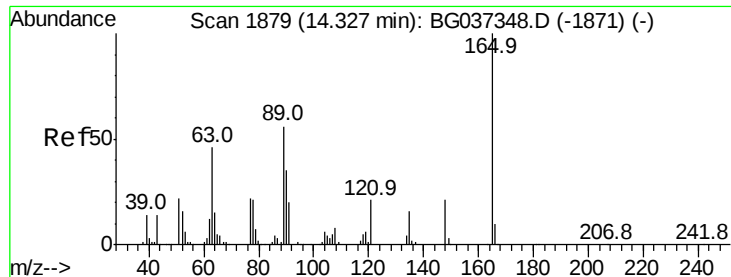
#48
 2-Nitroaniline
 Concen: 6.150 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.47 min
 Lab File: BG037387.D
 Acq: 17 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
65	100		
92	166.3	53.2	79.8#
138	38.8	79.3	118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#51

2,6-Dinitrotoluene

Concen: 12.444 ng

RT: 14.75 min Scan# 1950

Delta R.T. 0.41 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Instrument :

BNA_G

ClientSampleId :

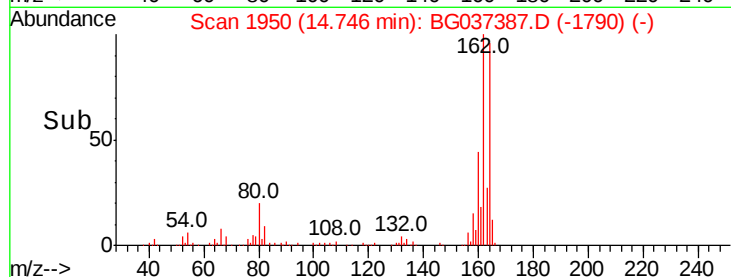
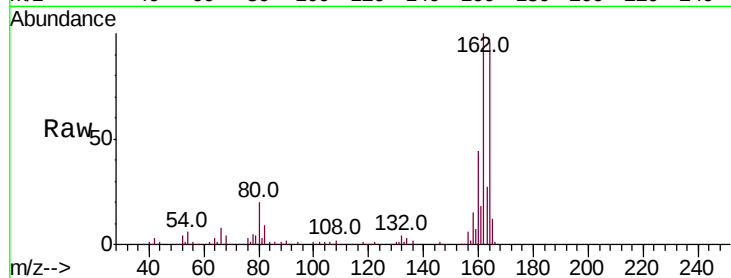
Tot Ion:165 Resp: 25013

Ion Ratio Lower Upper

165 100

63 1.9 43.4 65.2#

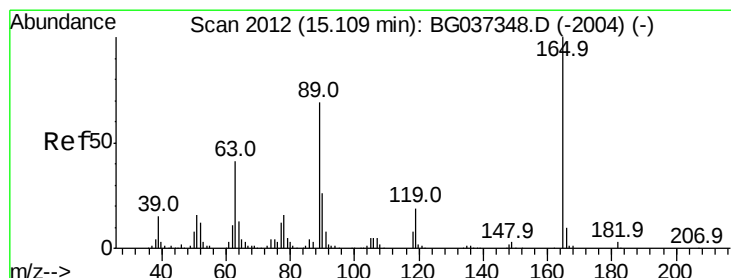
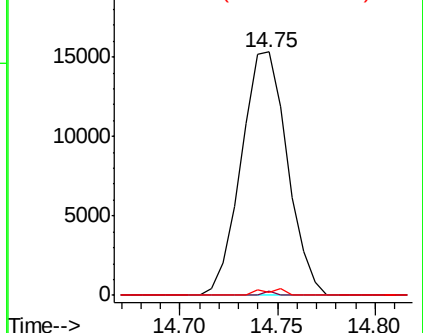
89 1.3 45.8 68.6#



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: 11.290 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.37 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Tgt Ion:165 Resp: 25013

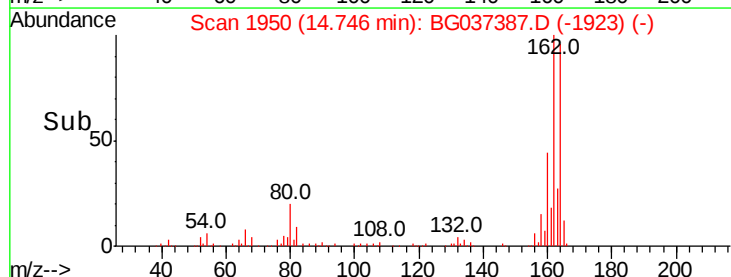
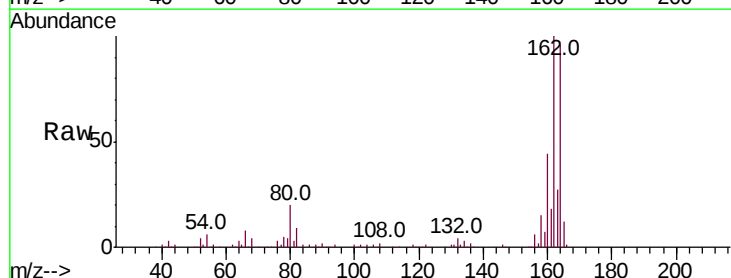
Ion Ratio Lower Upper

165 100

63 1.9 33.4 50.0#

89 1.3 57.2 85.8#

182 0.0 2.6 4.0#

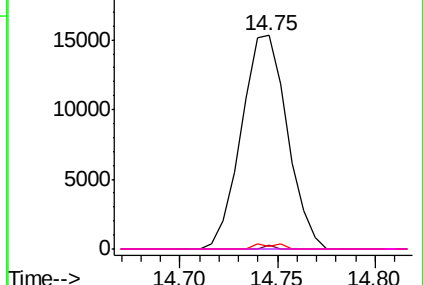


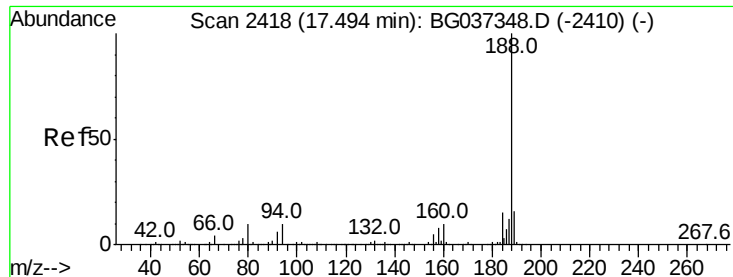
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Instrument :

BNA_G

ClientSampleId :

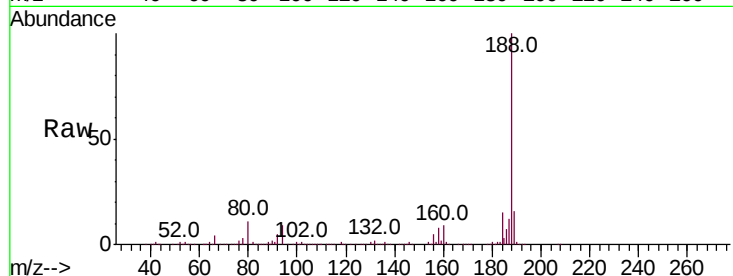
Tot Ion:188 Resp: 504279

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

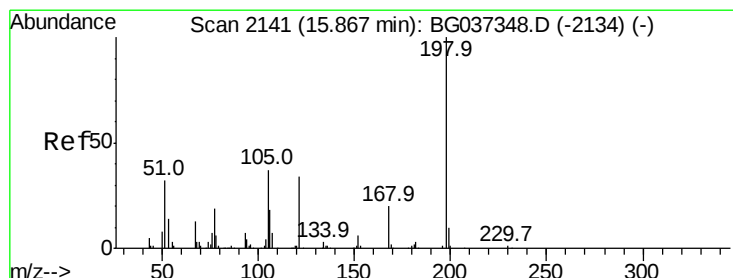
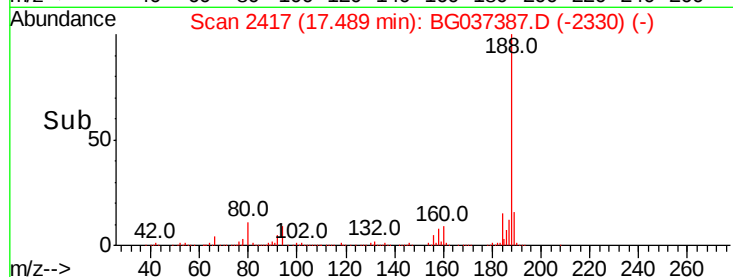
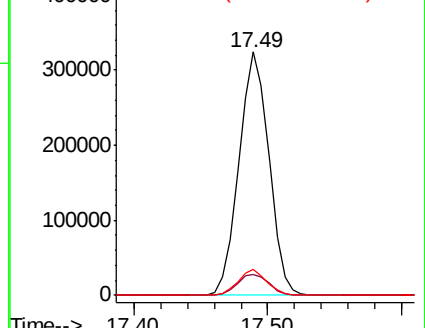
80 10.6 7.7 11.5



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: 6.091 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.35 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

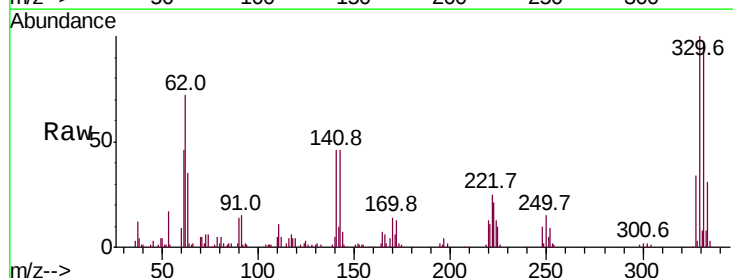
Tgt Ion:198 Resp: 262

Ion Ratio Lower Upper

198 100

51 31.4 22.7 62.7

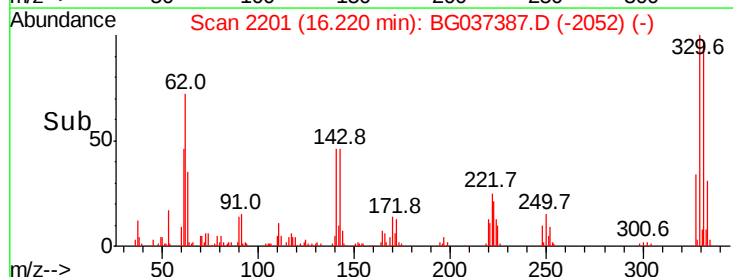
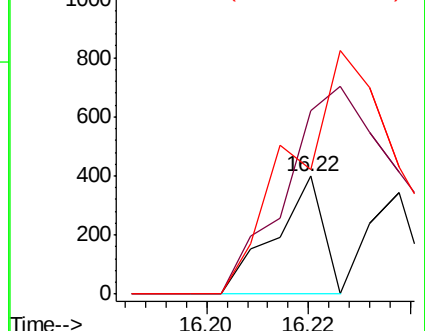
105 21.3 19.7 59.7

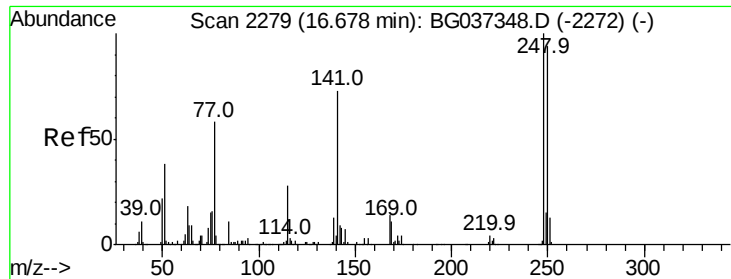


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.835 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.46 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

Instrument :

BNA_G

ClientSampleId :

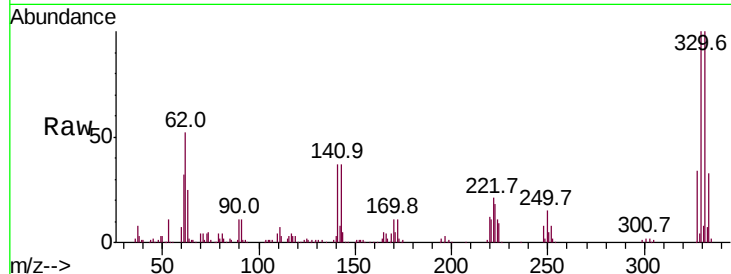
Tot Ion:248 Resp: 15430

Ion Ratio Lower Upper

248 100

250 193.4 77.0 115.6#

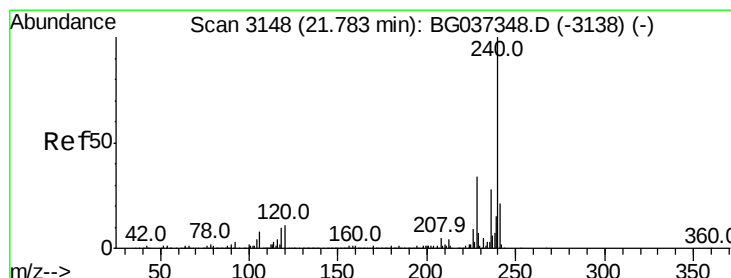
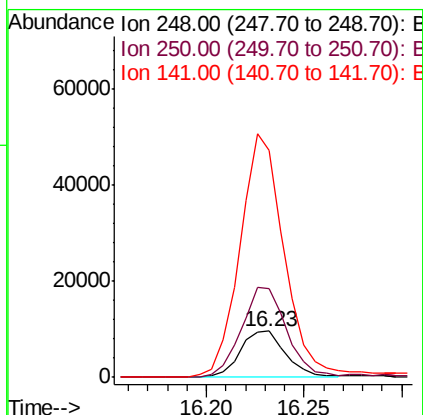
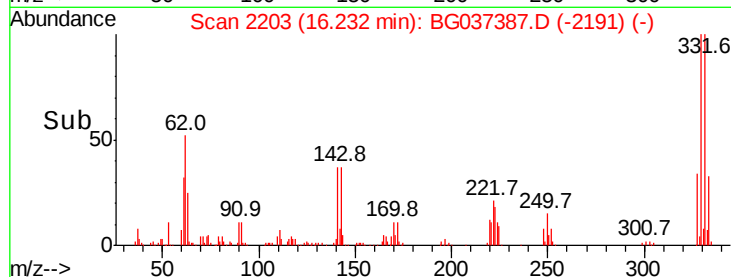
141 376.5 55.5 83.3#



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# 3146

Delta R.T. -0.02 min

Lab File: BG037387.D

Acq: 17 Oct 2018 12:08

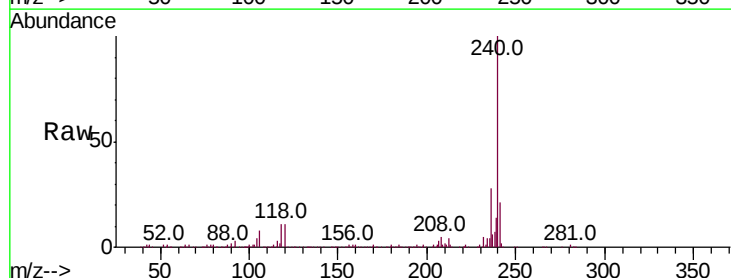
Tgt Ion:240 Resp: 480588

Ion Ratio Lower Upper

240 100

120 10.5 8.1 12.1

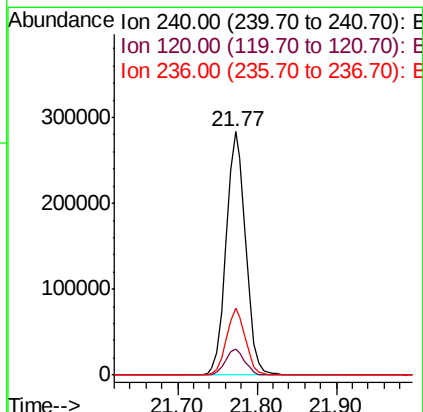
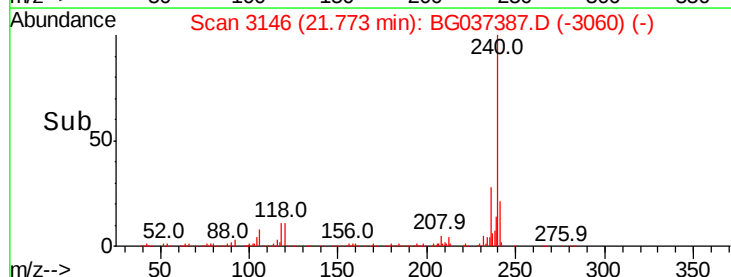
236 27.7 21.4 32.0

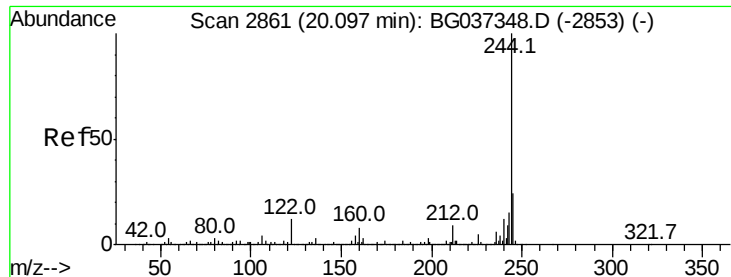


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



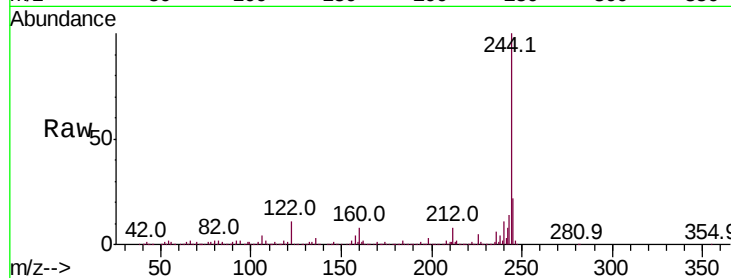


#79
 Terphenyl-d14
 Concen: 67.292 ng
 RT: 20.09 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG037387.D
 Acq: 17 Oct 2018 12:08

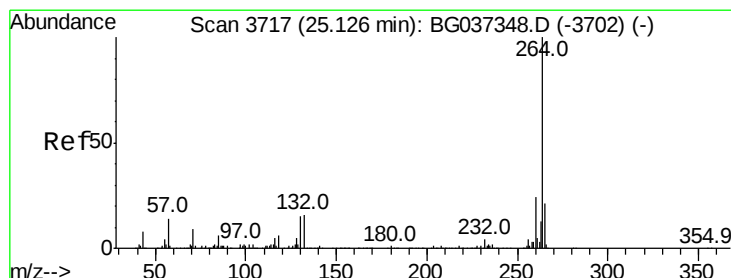
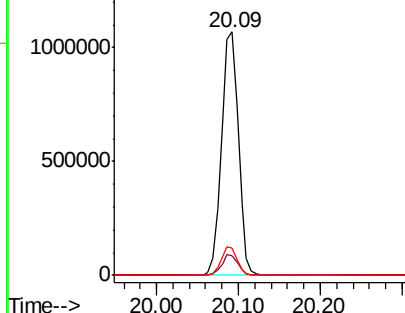
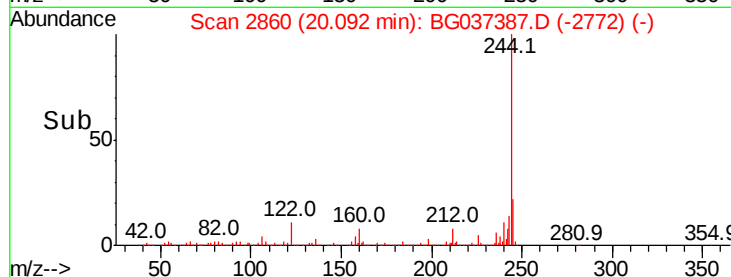
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1540175

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.0	9.0	13.4



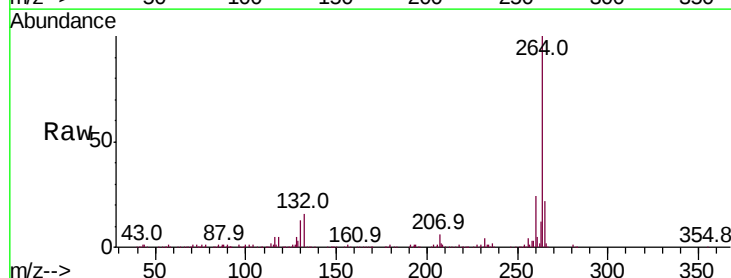
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3715
 Delta R.T. -0.03 min
 Lab File: BG037387.D
 Acq: 17 Oct 2018 12:08

Tgt Ion:264 Resp: 472210

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	21.7	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

