

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037360.D
 Acq On : 16 Oct 2018 15:33
 Operator : JU/SJ
 Sample : PB113868BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 16:47:57 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

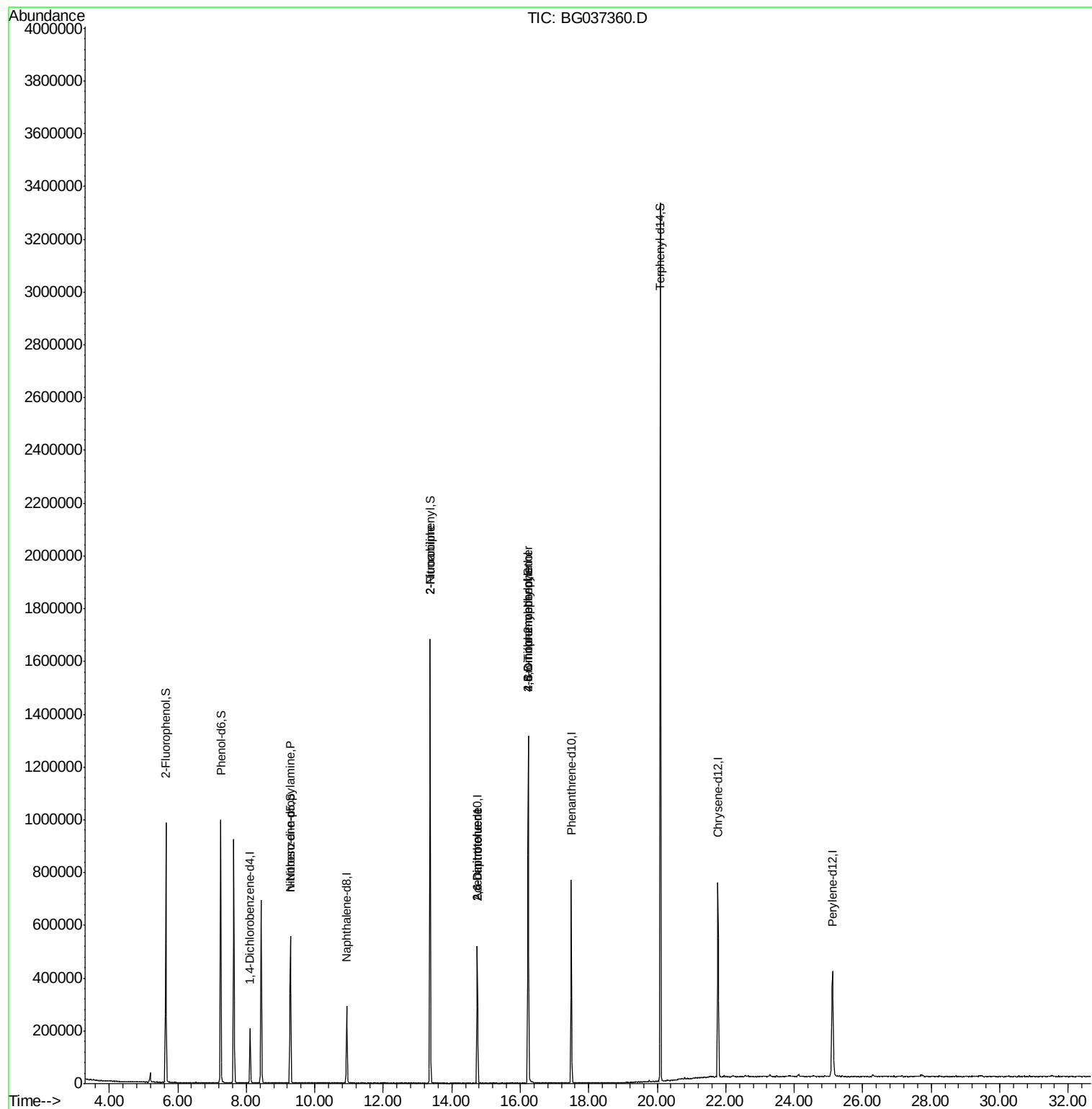
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	62194	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	264195	20.00	ng	-0.02
39) Acenaphthene-d10	14.75	164	184043	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	478249	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	462215	20.00	ng	-0.02
87) Perylene-d12	25.12	264	465676	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	443213	125.42	ng	0.00
7) Phenol-d6	7.25	99	638858	119.10	ng	0.00
23) Nitrobenzene-d5	9.29	82	355298	88.42	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	243470	134.89	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	901776	73.58	ng	-0.01
79) Terphenyl-d14	20.09	244	1550411	70.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	44566	10.974	ng	# 73
48) 2-Nitroaniline	13.37	65	1498	6.181	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	23223	12.248	ng	# 26
57) 2,4-Dinitrotoluene	14.75	165	23223	11.138	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	780	6.402	ng	76
67) 4-Bromophenyl-phenylether	16.23	248	18459	3.576	ng	# 1

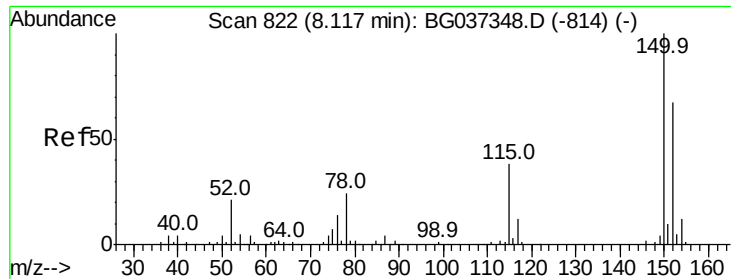
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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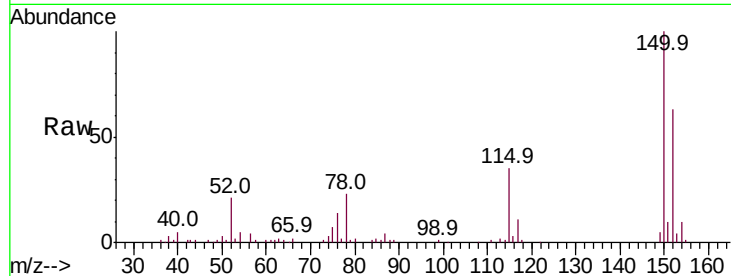


#1

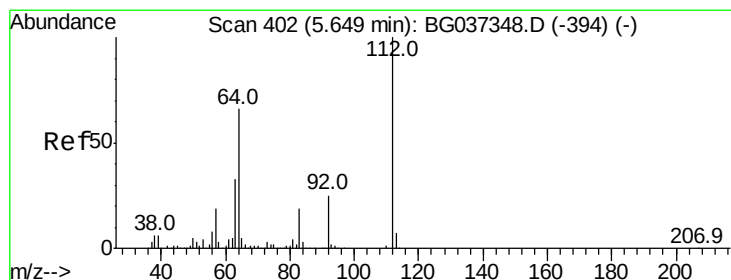
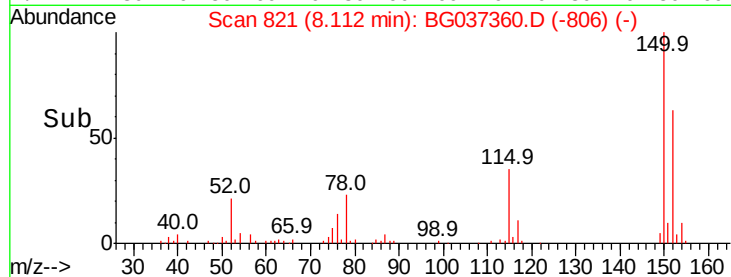
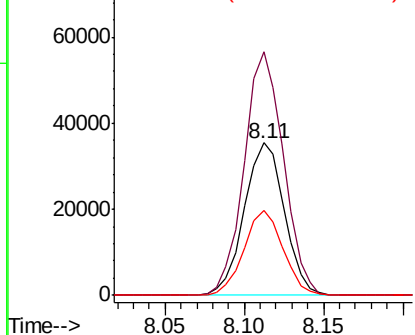
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62194
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 55.6 45.5 68.3



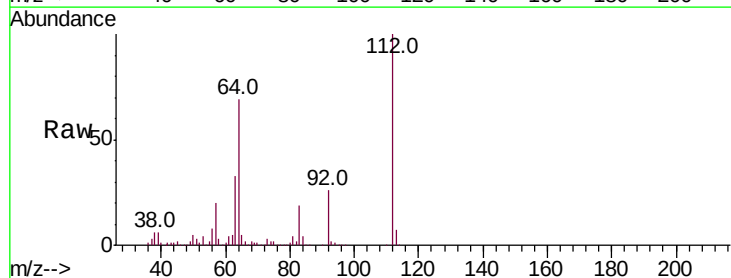
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



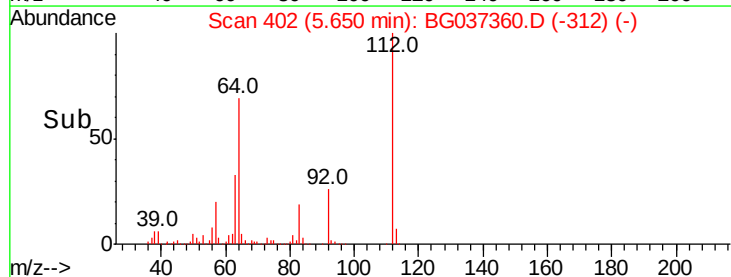
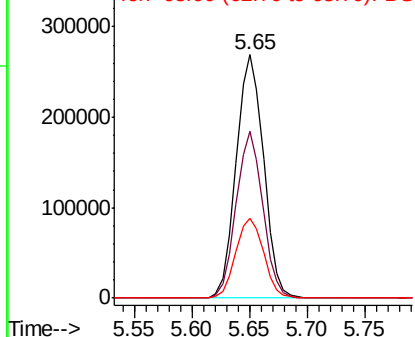
#5

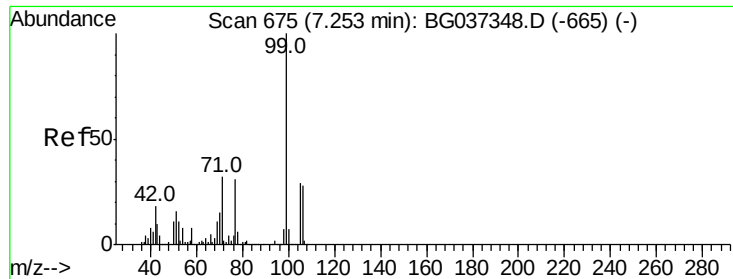
2-Fluorophenol
Concen: 125.416 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Tgt Ion:112 Resp: 443213
Ion Ratio Lower Upper
112 100
64 68.6 53.1 79.7
63 33.0 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: 119.102 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037360.D

Acq: 16 Oct 2018 15:33

Instrument :

BNA_G

ClientSampled :

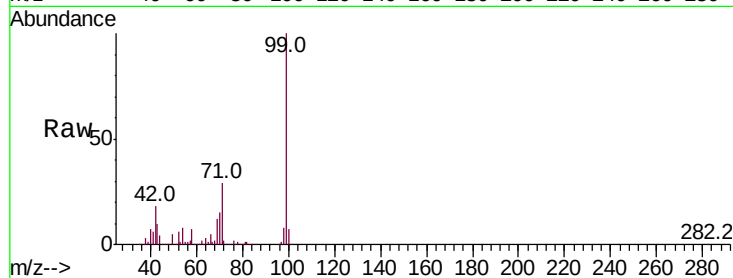
Tot Ion: 99 Resp: 638858

Ion Ratio Lower Upper

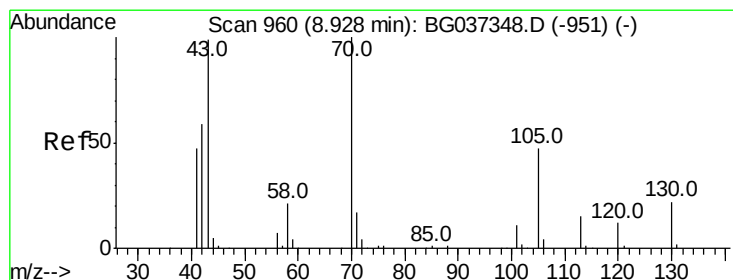
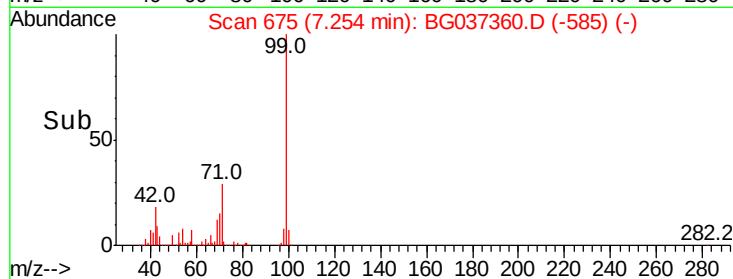
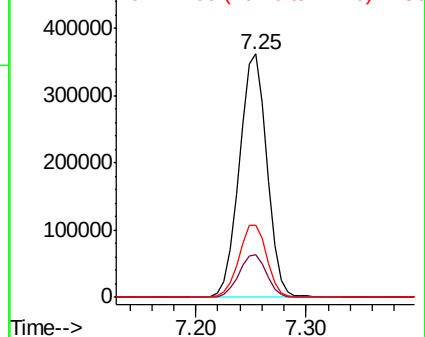
99 100

42 17.5 15.0 22.4

71 29.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.974 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037360.D

Acq: 16 Oct 2018 15:33

Tgt Ion: 70 Resp: 44566

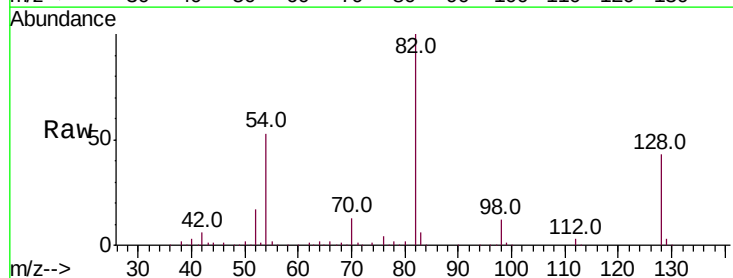
Ion Ratio Lower Upper

70 100

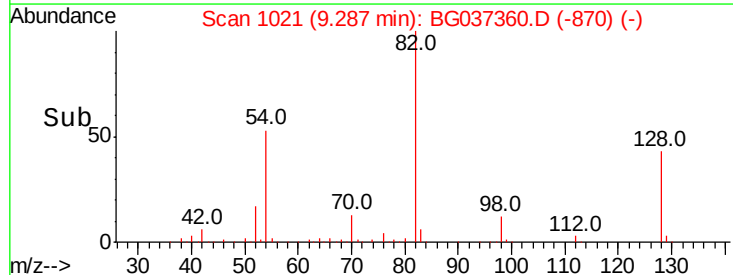
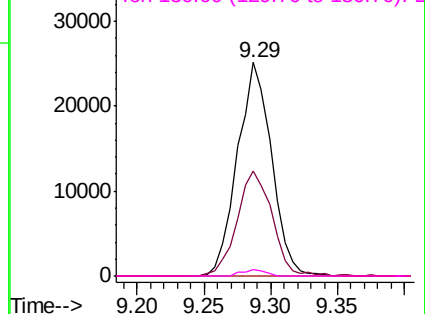
42 48.9 53.9 80.9#

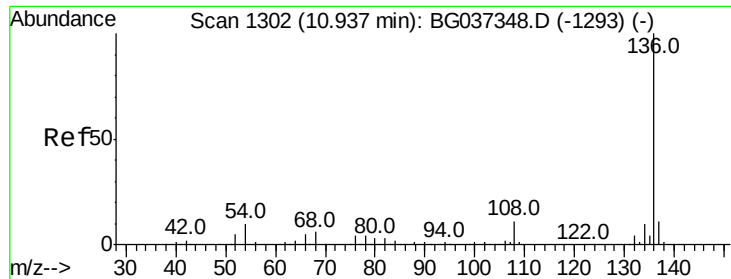
101 0.0 8.2 12.2#

130 3.2 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

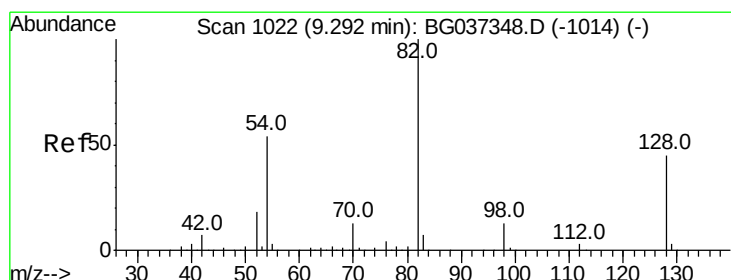
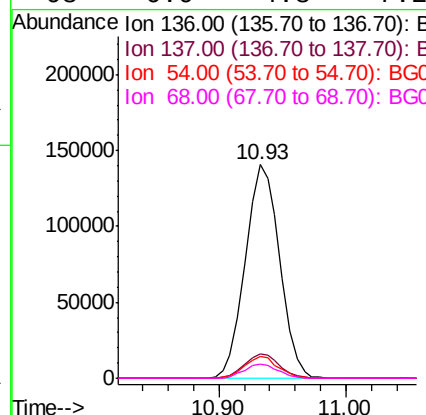
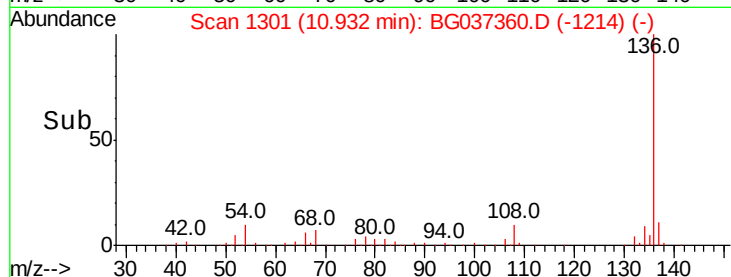
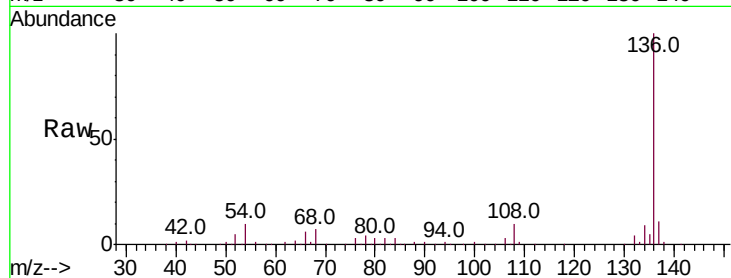




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

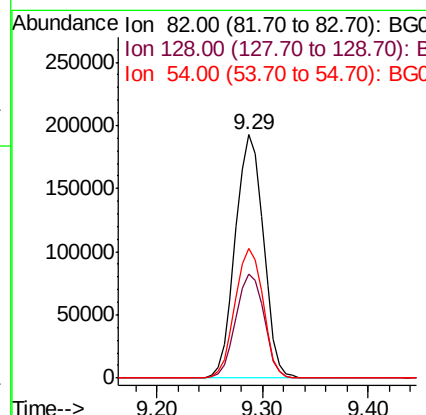
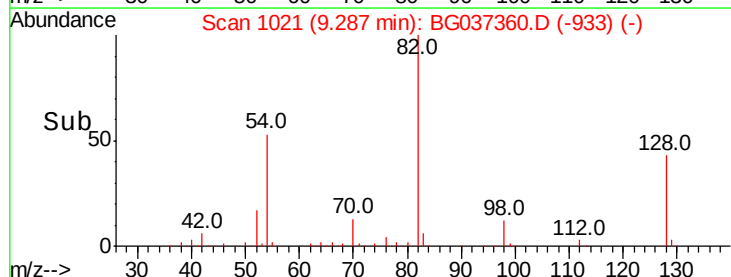
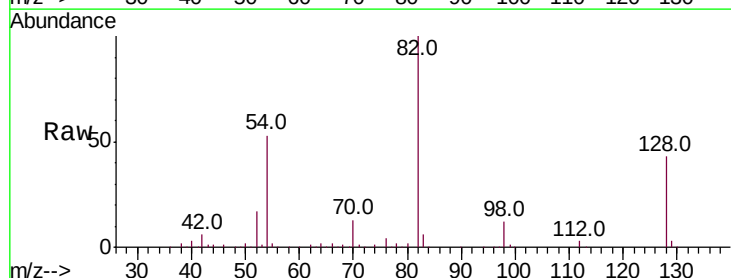
Instrument :
BNA_G
ClientSampleId :

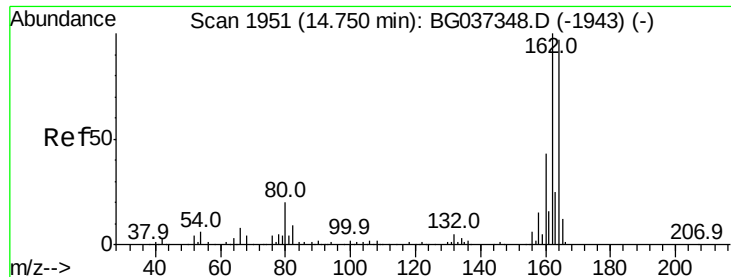
Tot Ion:136	Resp:	264195
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.6 14.4
54	10.2	7.9 11.9
68	6.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 88.416 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Tgt Ion: 82	Resp:	355298
Ion	Ratio	Lower Upper
82	100	
128	42.6	34.6 51.8
54	53.5	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: BG037360.D

Acq: 16 Oct 2018 15:33

Instrument :

BNA_G

ClientSampleId :

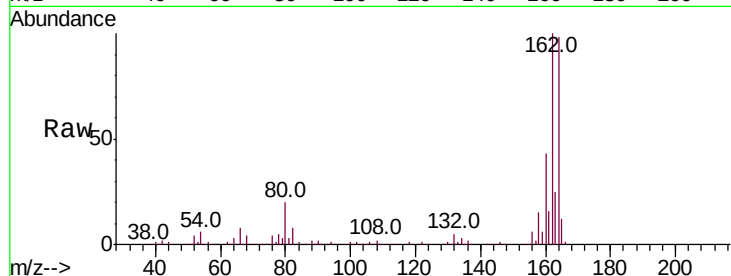
Tot Ion:164 Resp: 184043

Ion Ratio Lower Upper

164 100

162 102.2 81.3 121.9

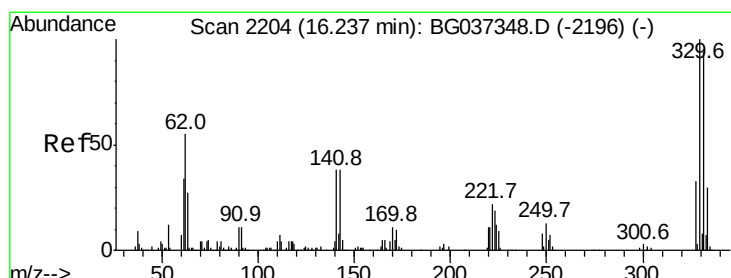
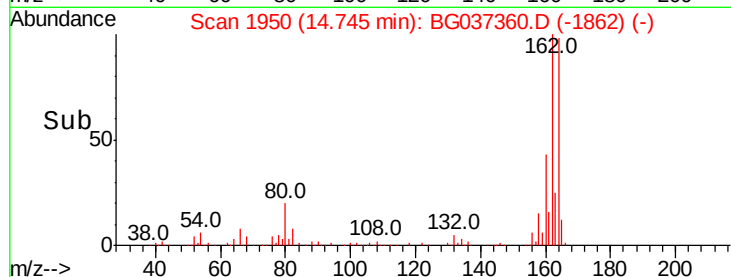
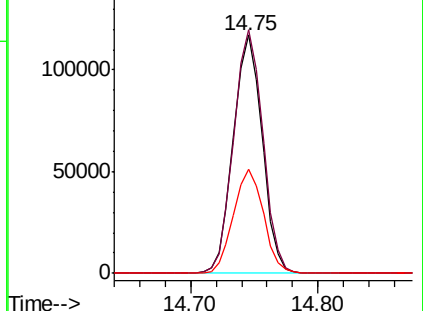
160 44.0 36.3 54.5



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: 134.890 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037360.D

Acq: 16 Oct 2018 15:33

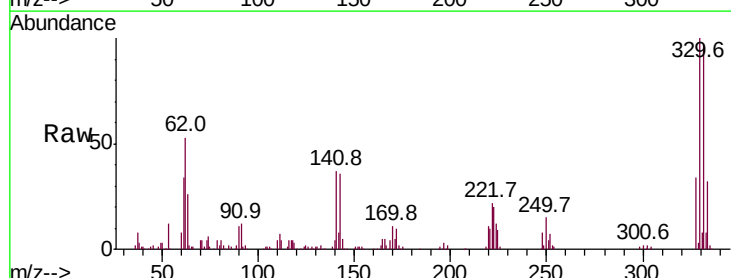
Tgt Ion:330 Resp: 243470

Ion Ratio Lower Upper

330 100

332 96.6 78.4 117.6

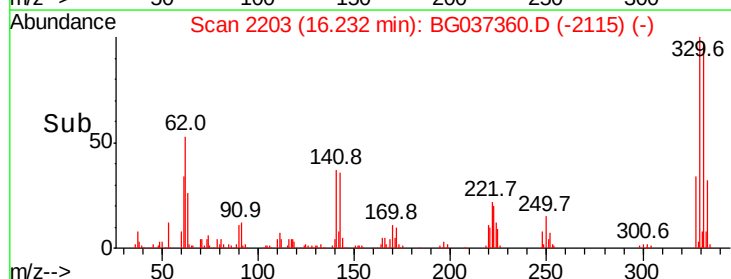
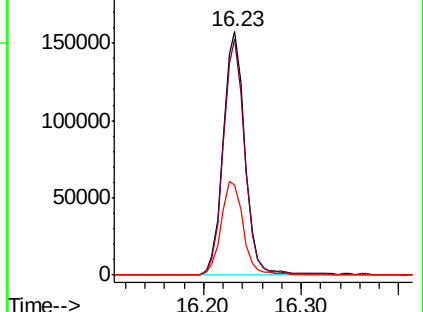
141 39.5 32.2 48.2

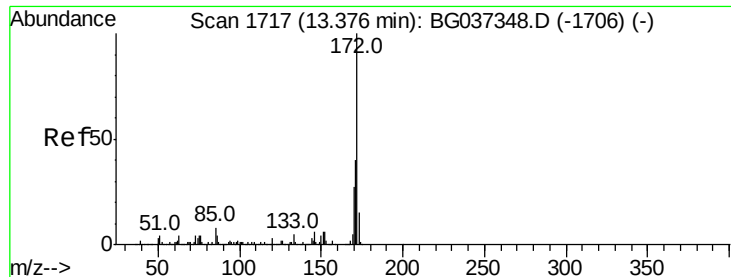


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

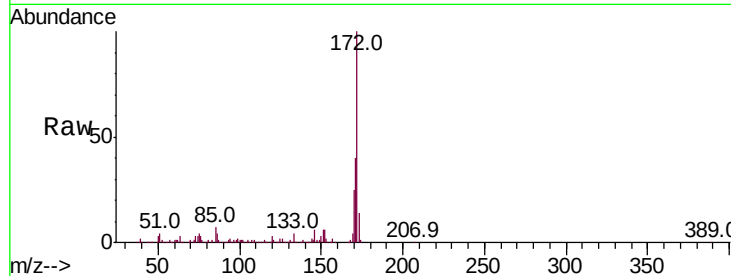




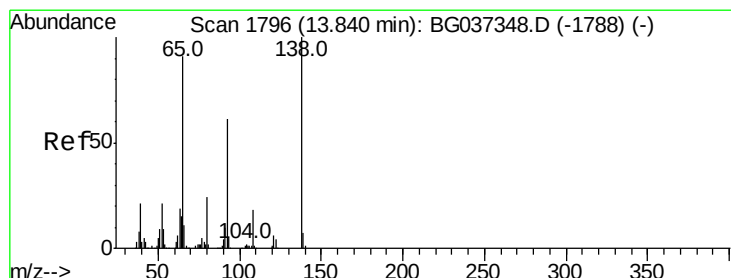
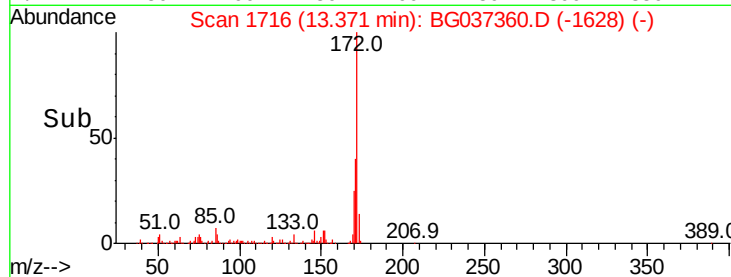
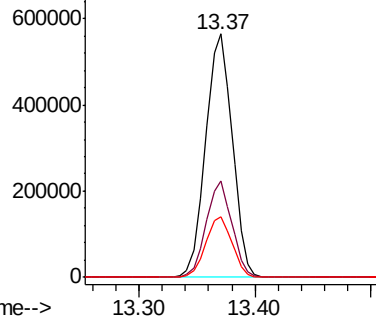
#45
2-Fluorobiphenyl
Concen: 73.584 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.7	31.0	46.4
170	24.6	20.2	30.2

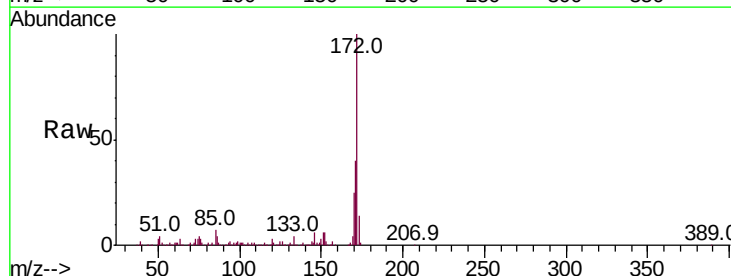


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

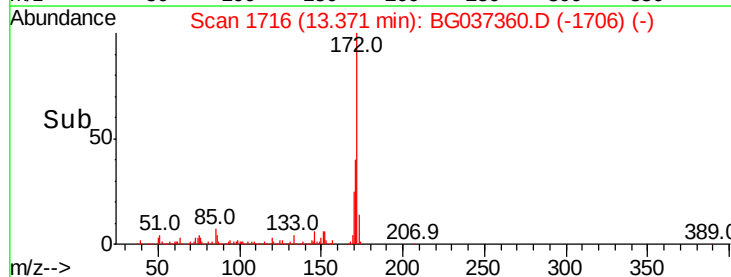
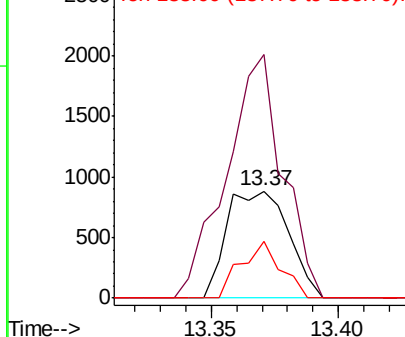


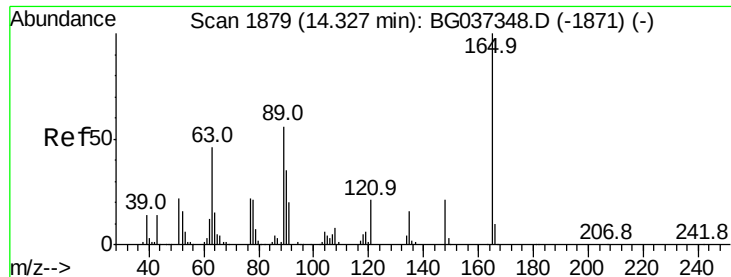
#48
2-Nitroaniline
Concen: 6.181 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.47 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
65	100		
92	228.3	53.2	79.8#
138	53.5	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

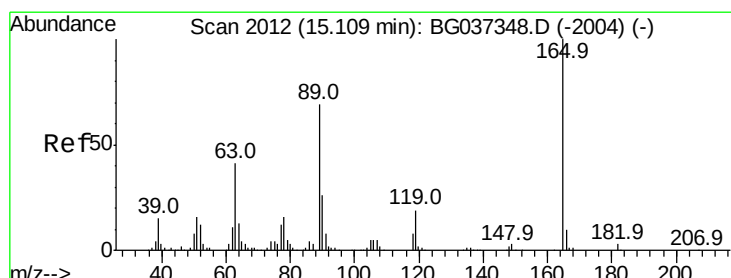
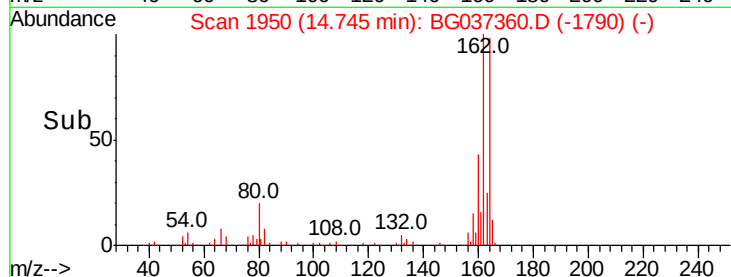
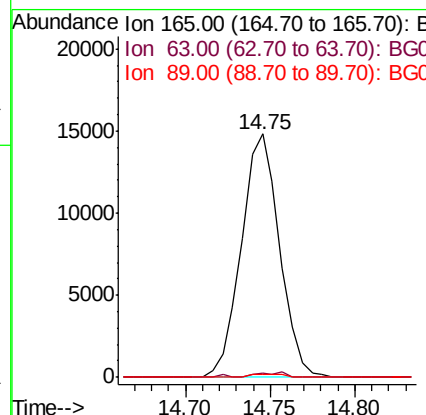
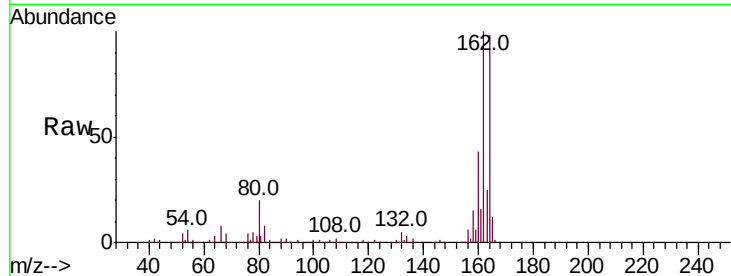




#51
 2,6-Dinitrotoluene
 Concen: 12.248 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037360.D
 Acq: 16 Oct 2018 15:33

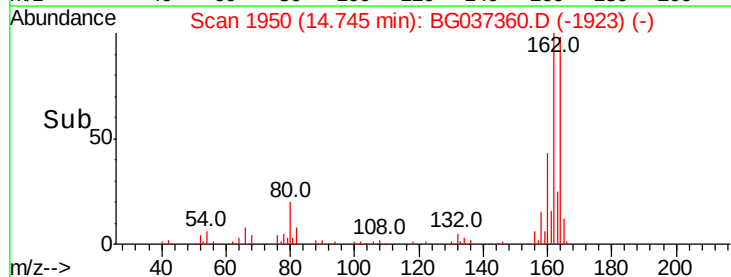
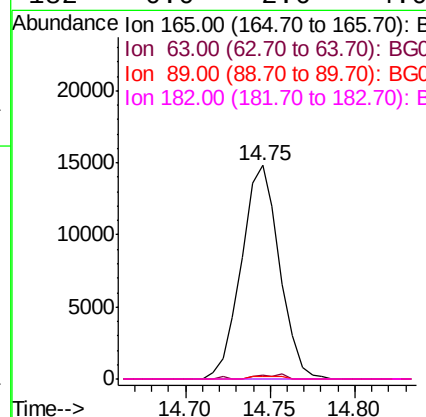
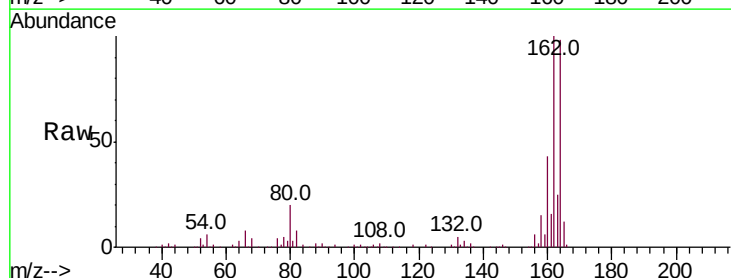
Instrument :
 BNA_G
 ClientSampleId :

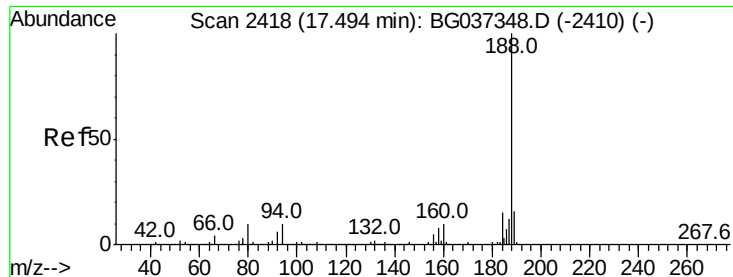
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.4	65.2#
89	1.2	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.138 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037360.D
 Acq: 16 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.4	50.0#
89	1.2	57.2	85.8#
182	0.0	2.6	4.0#

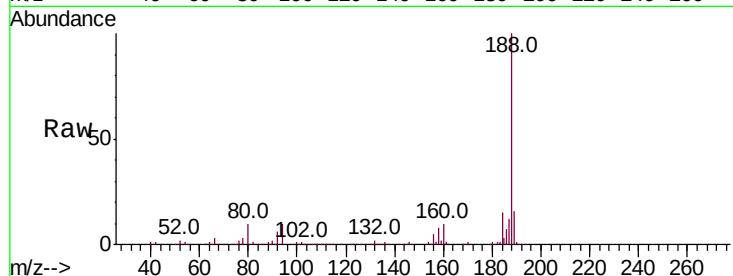




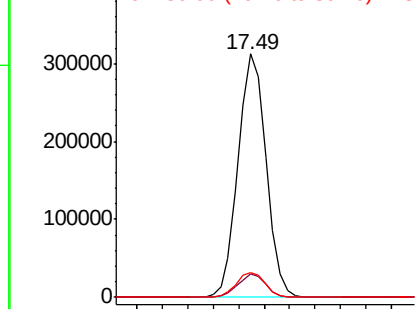
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

Instrument :
BNA_G
ClientSampleId :

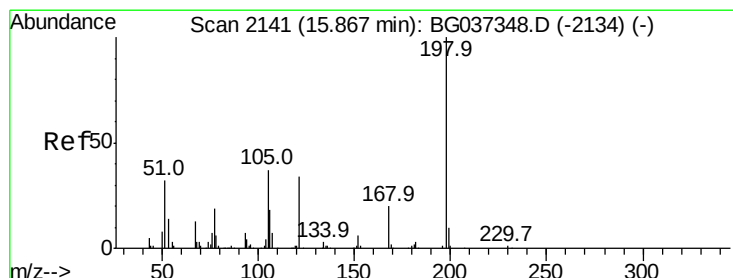
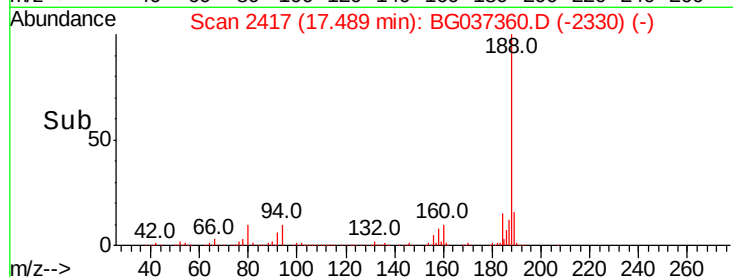
Tot Ion:188 Resp: 478249
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.3 7.7 11.5



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

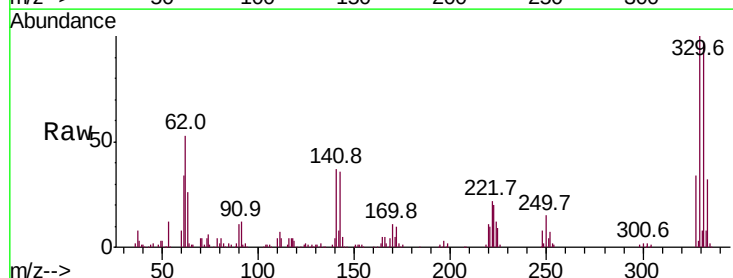


Time--> 17.40 17.50

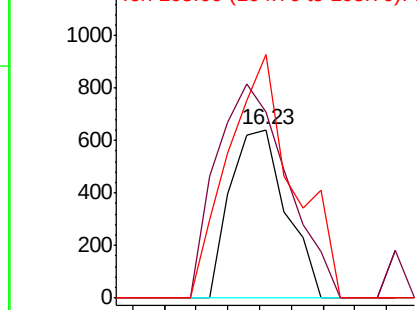


#65
4,6-Dinitro-2-methylphenol
Concen: 6.402 ng
RT: 16.23 min Scan# 2203
Delta R.T. 0.36 min
Lab File: BG037360.D
Acq: 16 Oct 2018 15:33

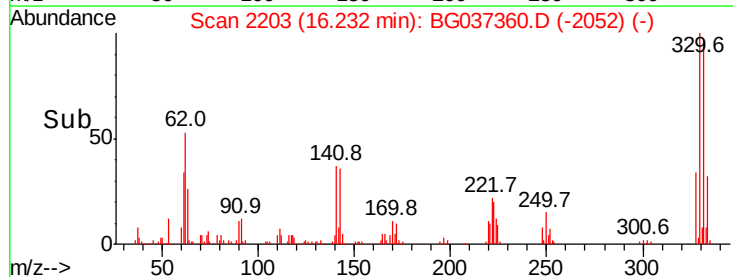
Tgt Ion:198 Resp: 780
Ion Ratio Lower Upper
198 100
51 22.8 22.7 62.7
105 29.9 19.7 59.7

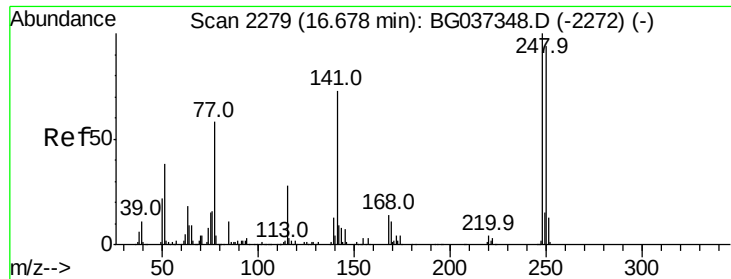


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



Time--> 16.20 16.25

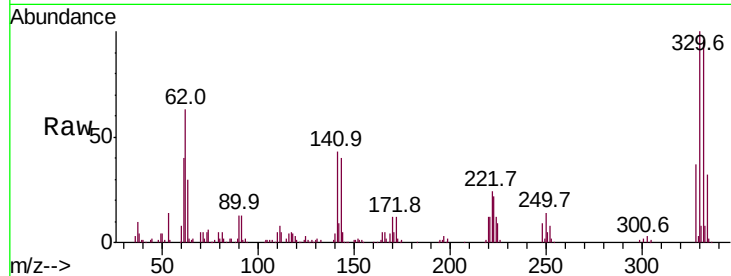




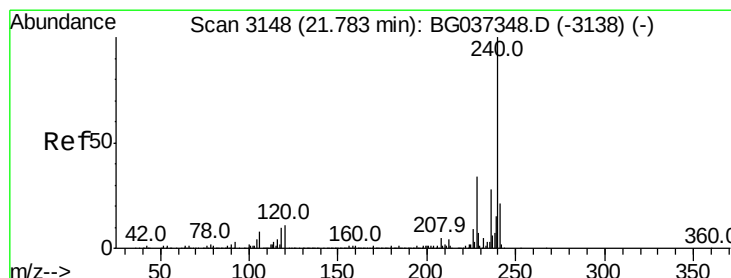
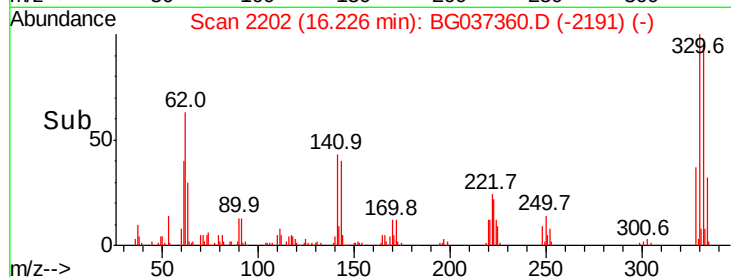
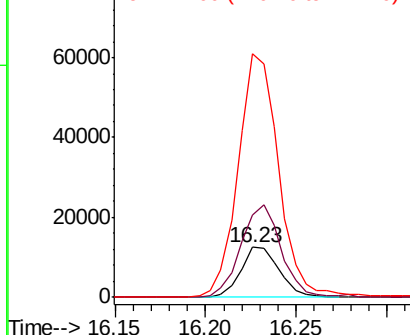
#67
 4-Bromophenyl-phenylether
 Concen: 3.576 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.46 min
 Lab File: BG037360.D
 Acq: 16 Oct 2018 15:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18459
 Ion Ratio Lower Upper
 248 100
 250 218.2 77.0 115.6#
 141 488.5 55.5 83.3#

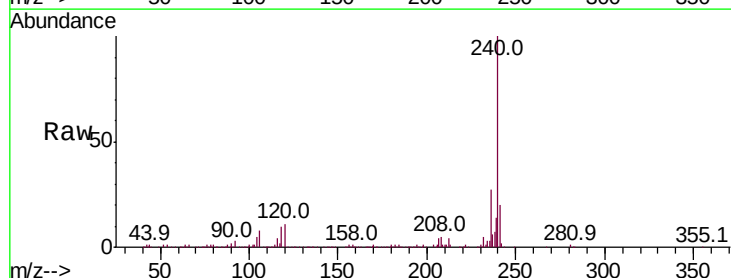


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

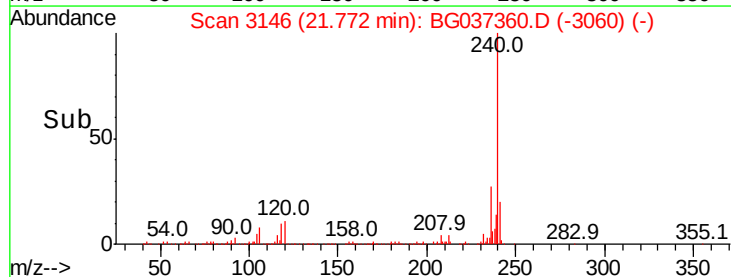
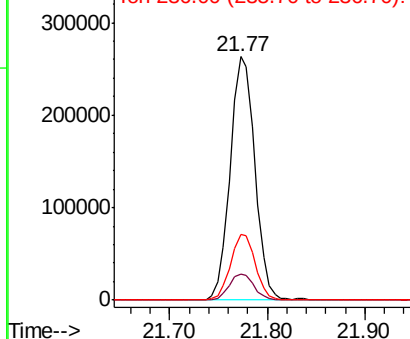


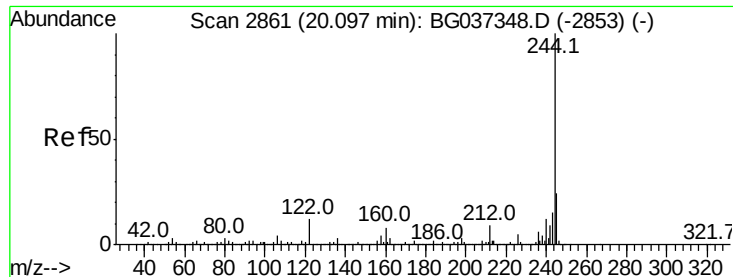
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG037360.D
 Acq: 16 Oct 2018 15:33

Tgt Ion:240 Resp: 462215
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.1 12.1
 236 27.1 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: 70.432 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037360.D

Acq: 16 Oct 2018 15:33

Instrument :

BNA_G

ClientSampled :

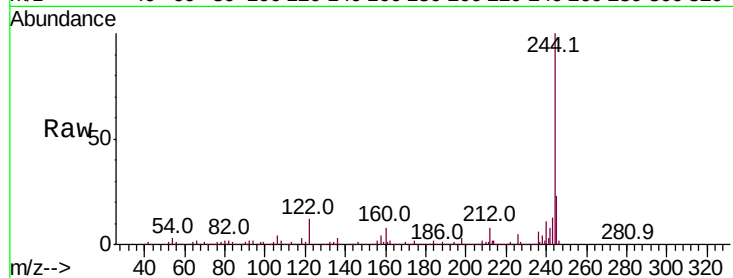
Tot Ion:244 Resp: 1550411

Ion Ratio Lower Upper

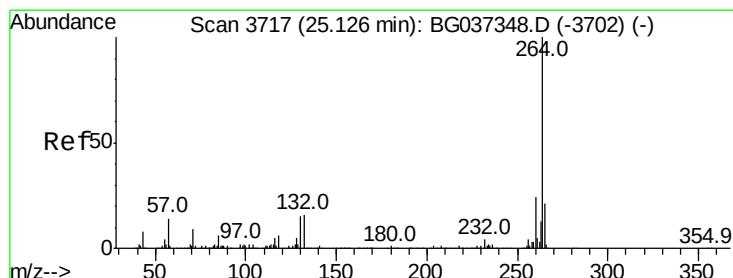
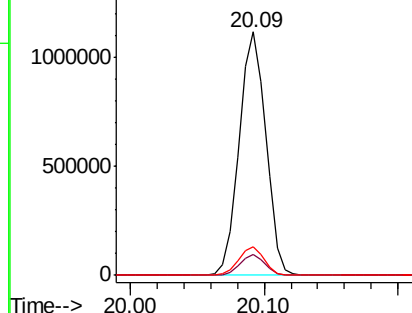
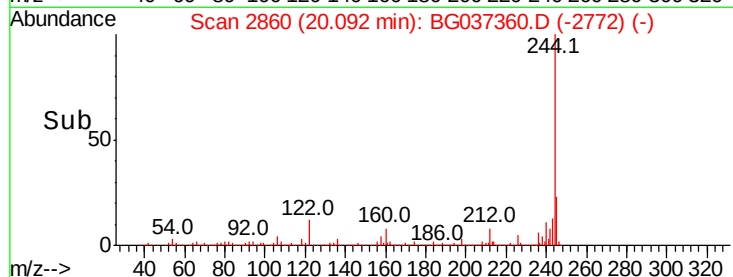
244 100

212 8.3 6.5 9.7

122 11.6 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E
1500000 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# 3716

Delta R.T. -0.02 min

Lab File: BG037360.D

Acq: 16 Oct 2018 15:33

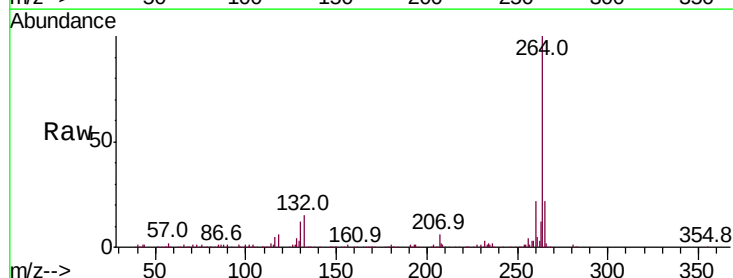
Tgt Ion:264 Resp: 465676

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 21.5 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
200000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

