

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037372.D
 Acq On : 16 Oct 2018 23:21
 Operator : JU/SJ
 Sample : PB113872BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 01:41:25 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

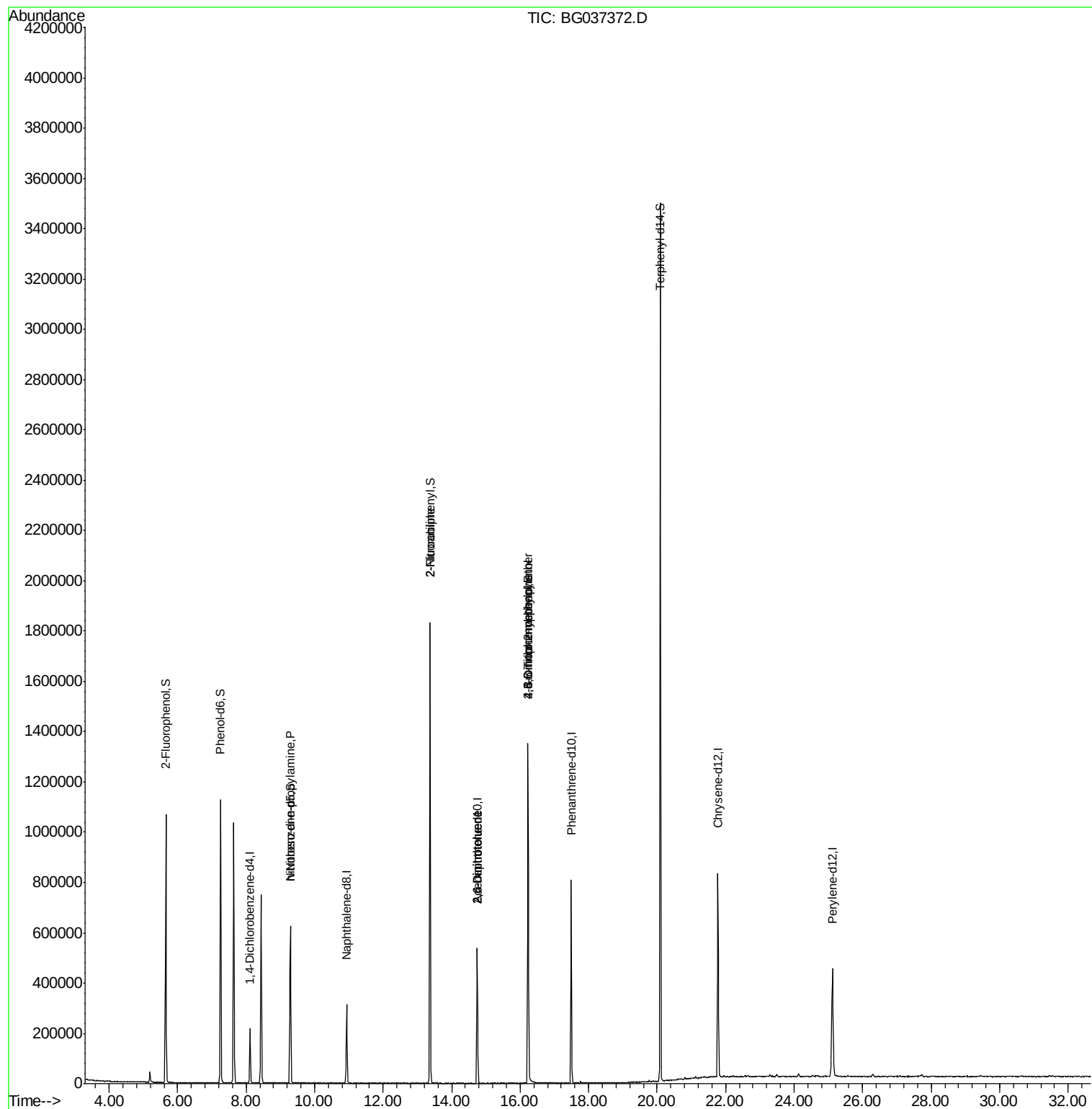
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	66111	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	283682	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	198614	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	512140	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	484940	20.00	ng	-0.02
87) Perylene-d12	25.12	264	483340	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	499952	133.09	ng	0.00
7) Phenol-d6	7.25	99	717901	125.91	ng	0.00
23) Nitrobenzene-d5	9.29	82	398285	92.30	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	264358	135.72	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1015669	76.80	ng	0.00
79) Terphenyl-d14	20.09	244	1670776	72.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	50529	11.705	ng	# 70
48) 2-Nitroaniline	13.37	65	1652	6.190	ng	# 9
51) 2,6-Dinitrotoluene	14.74	165	25891	12.494	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	25891	11.330	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	802	6.384	ng	72
67) 4-Bromophenyl-phenylether	16.23	248	19762	3.575	ng	# 1

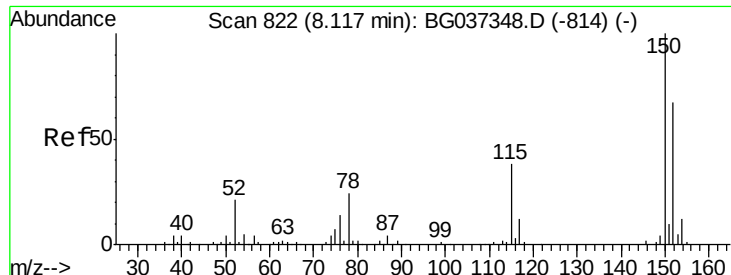
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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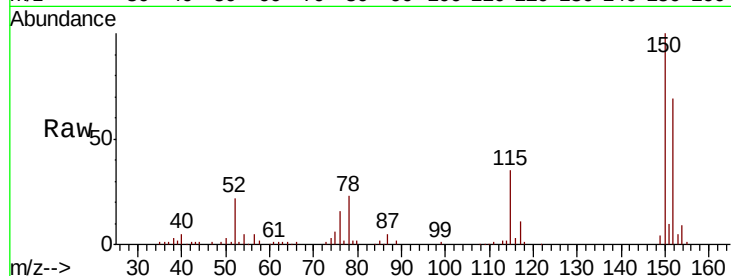


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037372.D
Acq: 16 Oct 2018 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.4	126.0	189.0
115	51.3	45.5	68.3

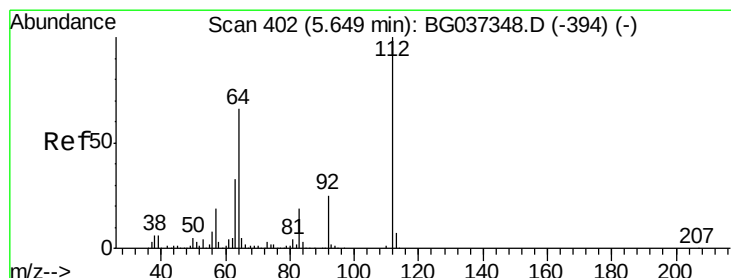
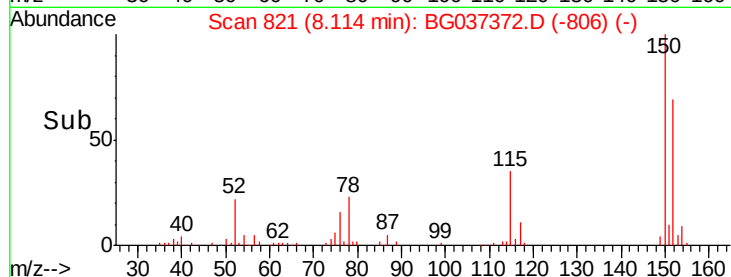
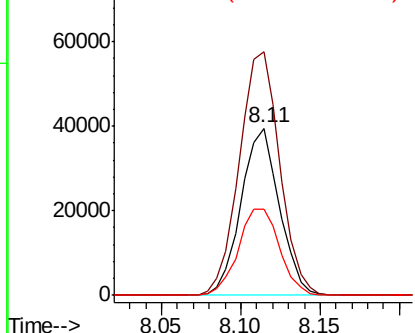


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

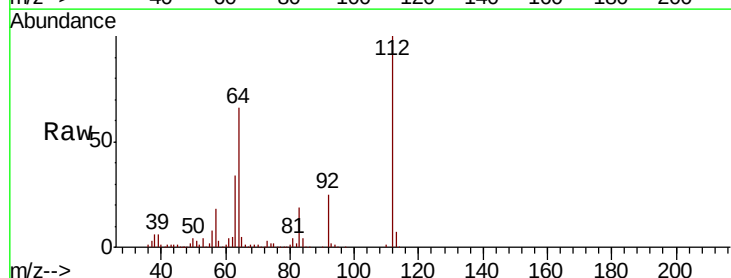
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.090 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037372.D
Acq: 16 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.1	79.7
63	33.7	27.3	40.9

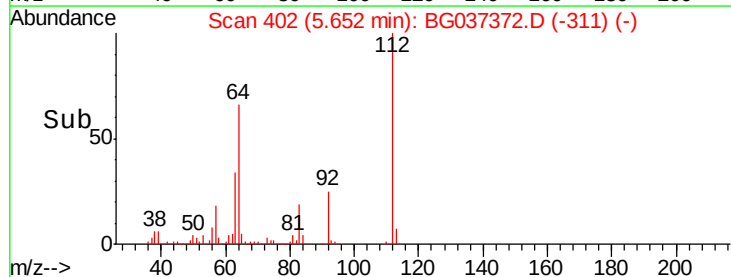
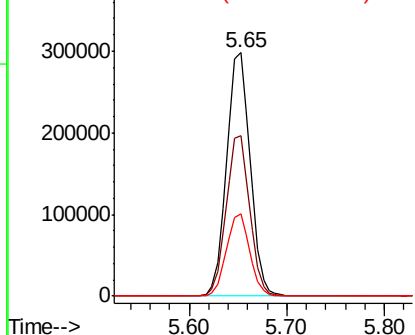


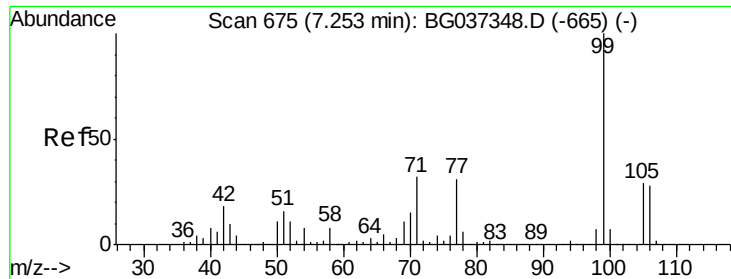
Abundance

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: 125.909 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Instrument :

BNA_G

ClientSampled :

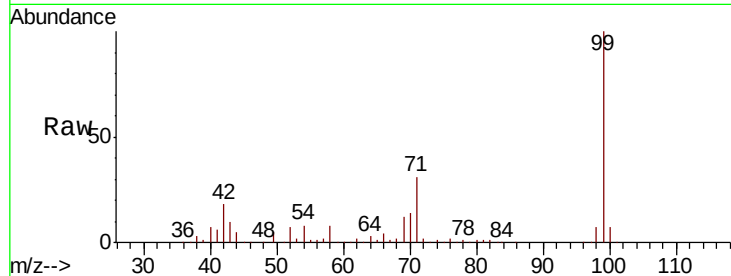
Tot Ion: 99 Resp: 717901

Ion Ratio Lower Upper

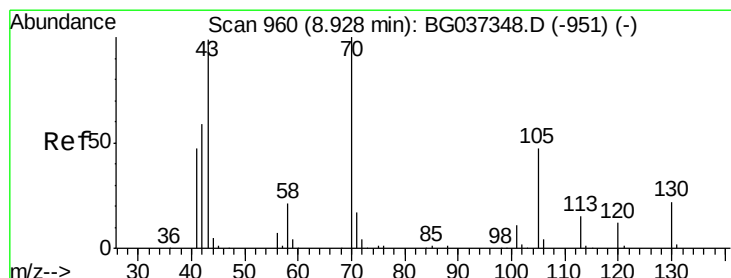
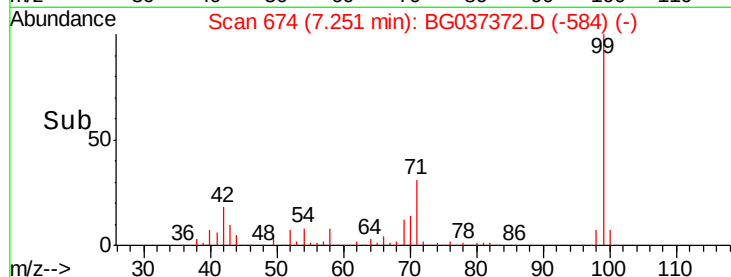
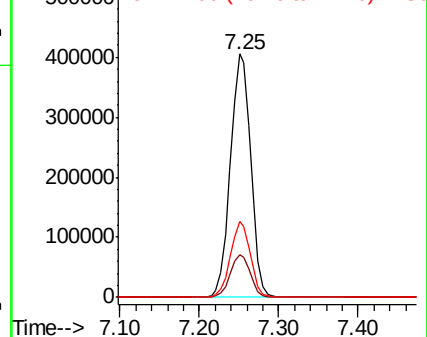
99 100

42 17.6 15.0 22.4

71 31.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.705 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Tgt Ion: 70 Resp: 50529

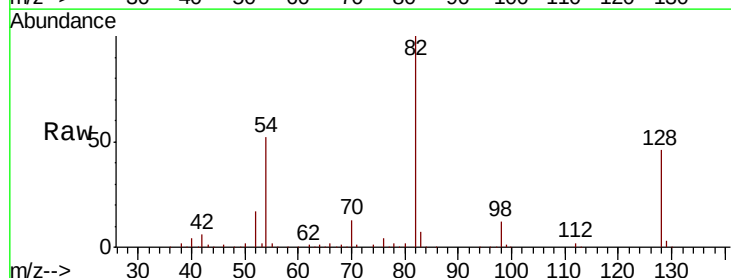
Ion Ratio Lower Upper

70 100

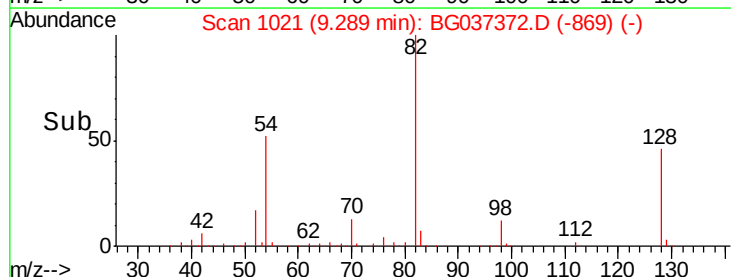
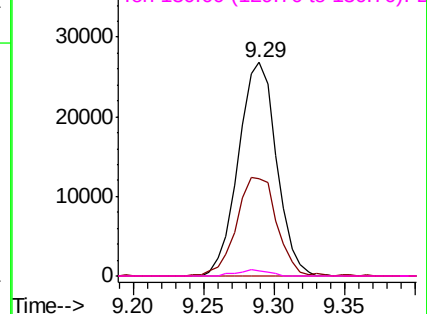
42 45.8 53.9 80.9#

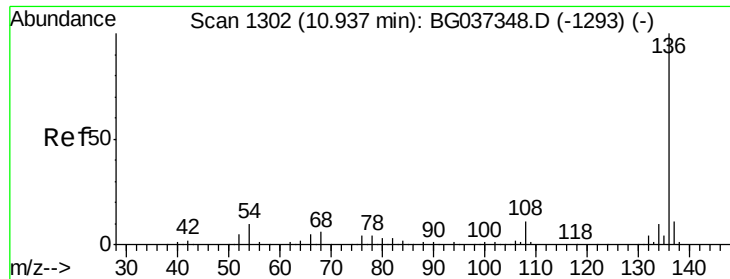
101 0.0 8.2 12.2#

130 2.7 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

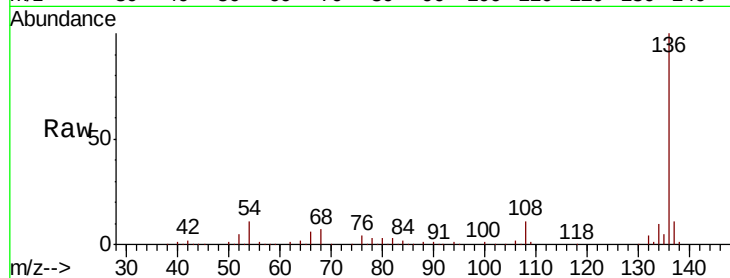




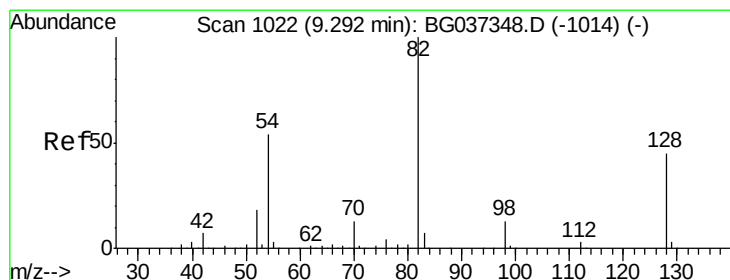
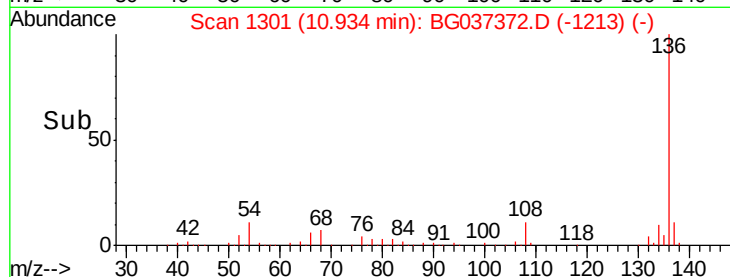
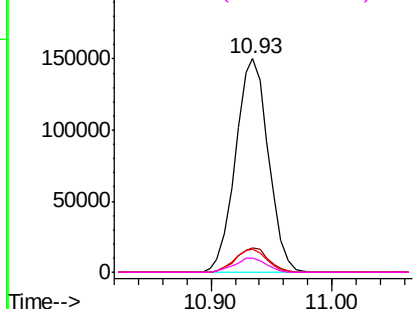
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037372.D
Acq: 16 Oct 2018 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	283682
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.6 14.4
54	10.9	7.9 11.9
68	6.7	4.8 7.2

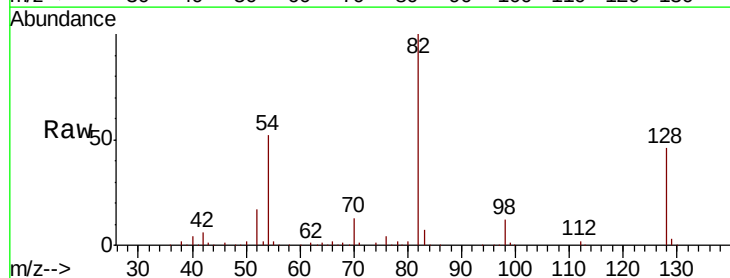


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

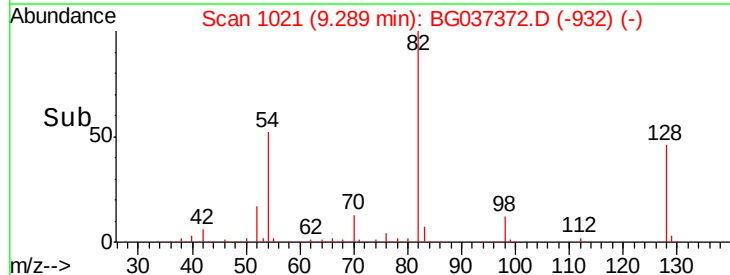
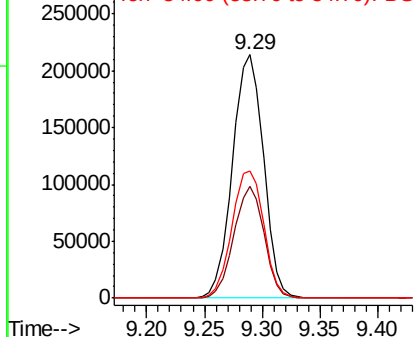


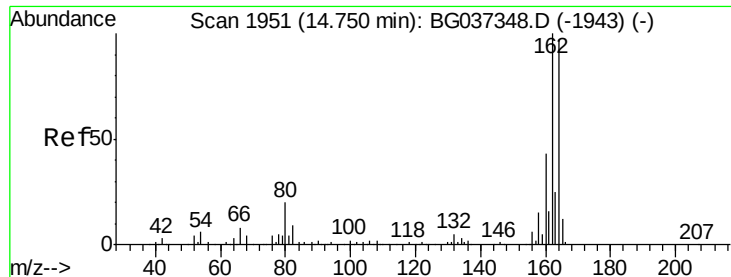
#23
Nitrobenzene-d5
Concen: 92.305 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037372.D
Acq: 16 Oct 2018 23:21

Tgt Ion: 82	Resp:	398285
Ion	Ratio	Lower Upper
82	100	
128	46.1	34.6 51.8
54	52.5	45.3 67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Instrument :

BNA_G

ClientSampleId :

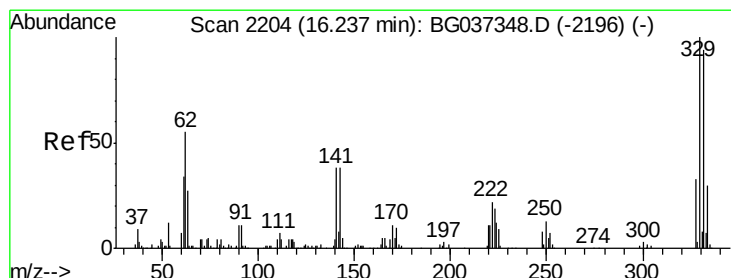
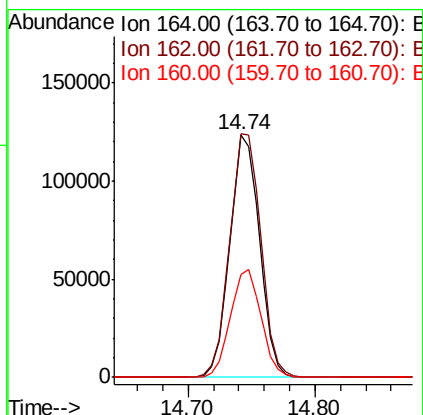
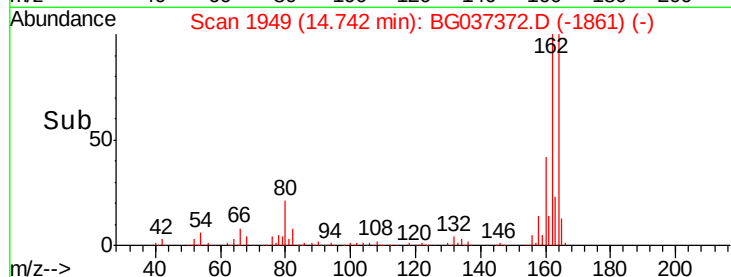
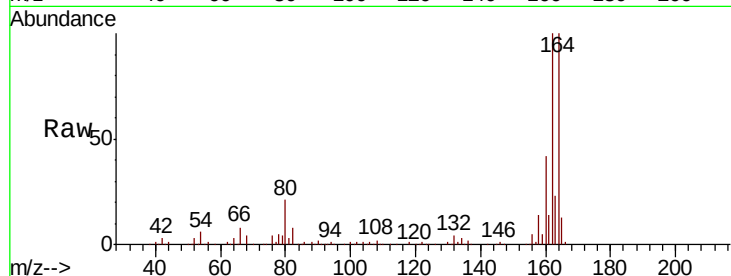
Tot Ion:164 Resp: 198614

Ion Ratio Lower Upper

164 100

162 100.3 81.3 121.9

160 42.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 135.718 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

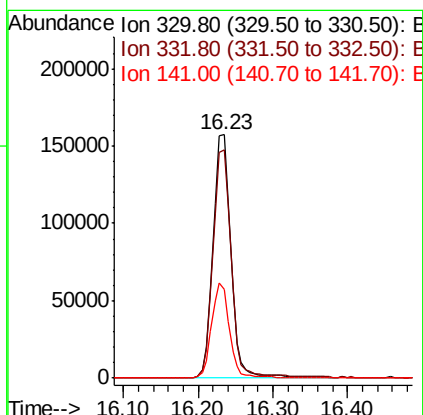
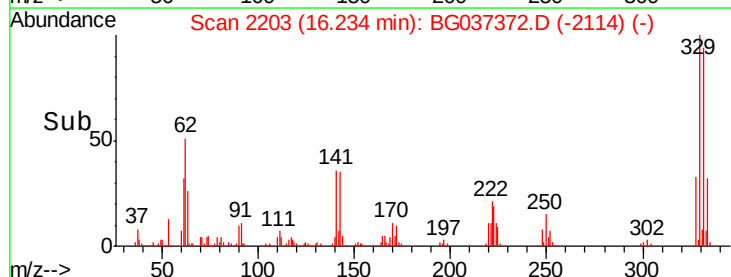
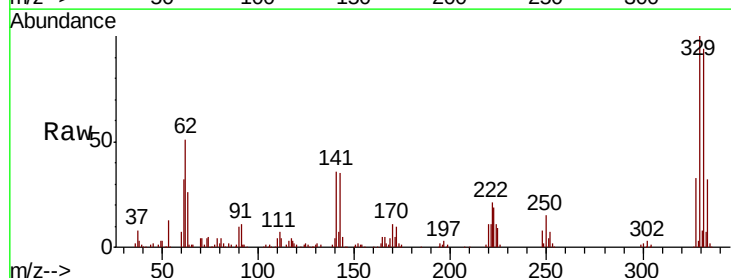
Tgt Ion:330 Resp: 264358

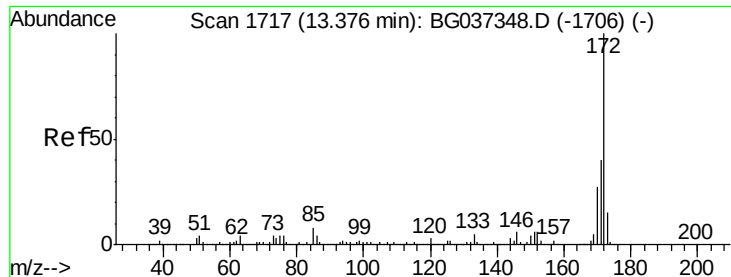
Ion Ratio Lower Upper

330 100

332 94.1 78.4 117.6

141 37.7 32.2 48.2



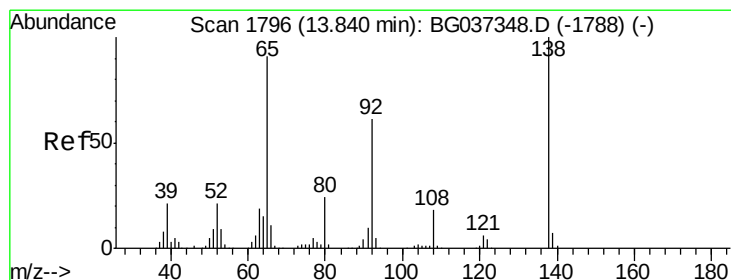
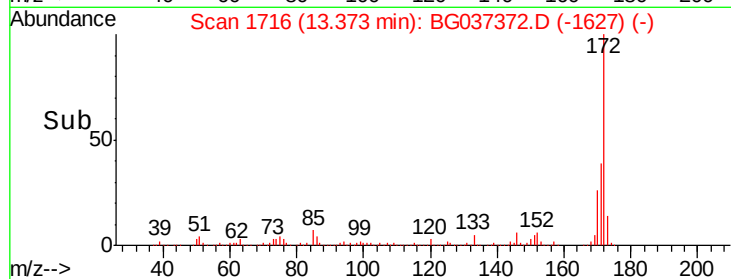
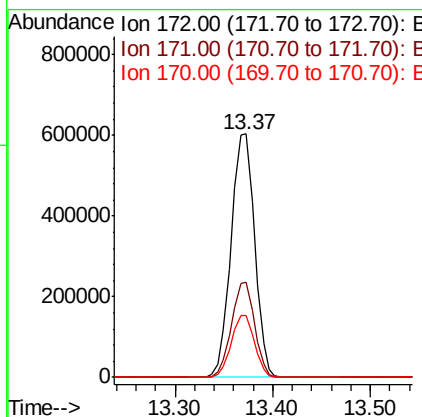
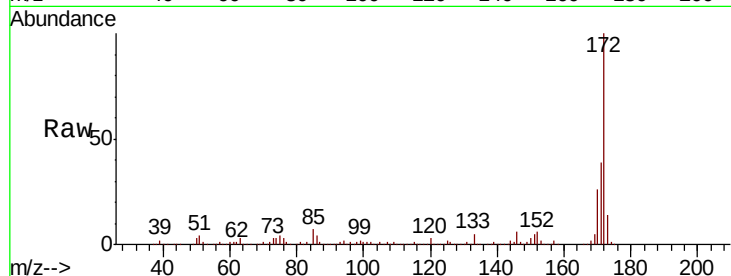


#45
 2-Fluorobiphenyl
 Concen: 76.797 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037372.D
 Acq: 16 Oct 2018 23:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1015669

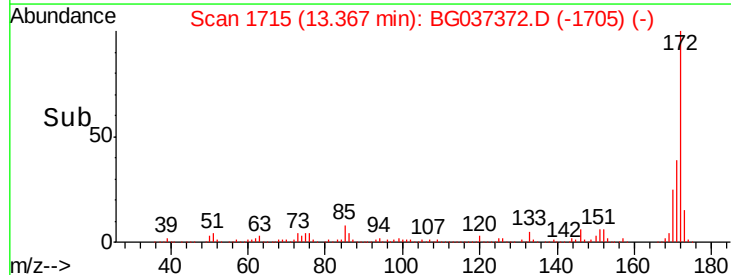
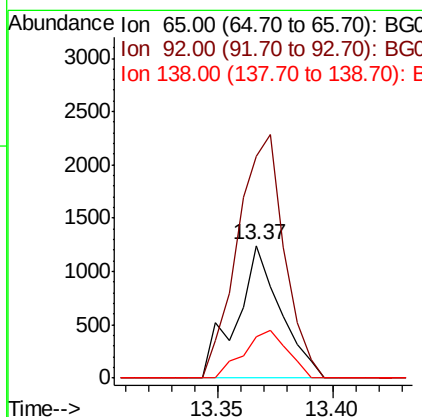
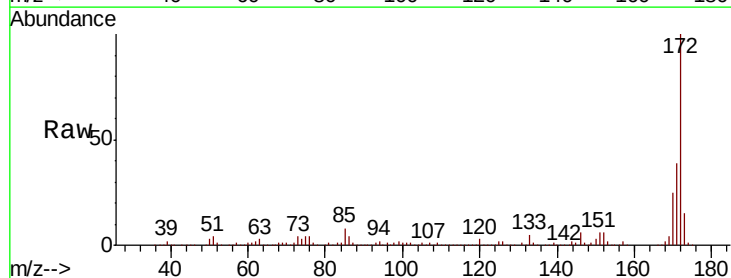
Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.0	46.4
170	25.6	20.2	30.2

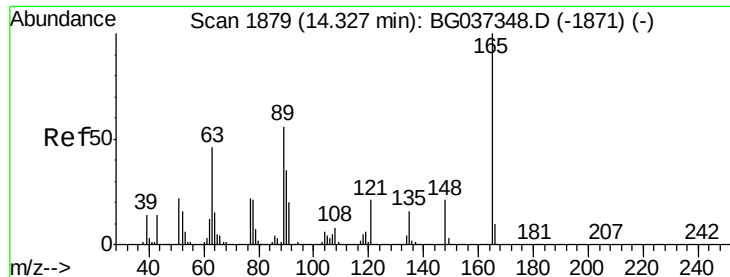


#48
 2-Nitroaniline
 Concen: 6.190 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.47 min
 Lab File: BG037372.D
 Acq: 16 Oct 2018 23:21

Tgt Ion: 65 Resp: 1652

Ion	Ratio	Lower	Upper
65	100		
92	167.4	53.2	79.8#
138	31.5	79.3	118.9#





#51

2,6-Dinitrotoluene

Concen: 12.494 ng

RT: 14.74 min Scan# 1949

Delta R.T. 0.41 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Instrument :

BNA_G

ClientSampleId :

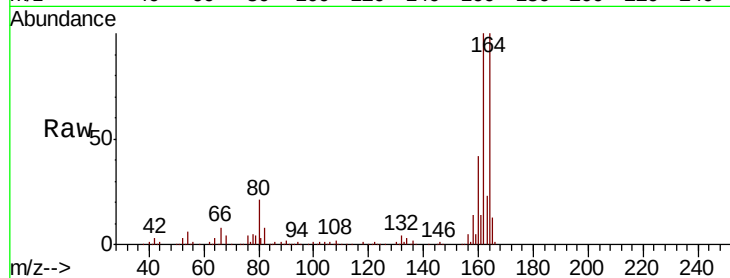
Tot Ion:165 Resp: 25891

Ion Ratio Lower Upper

165 100

63 1.0 43.4 65.2#

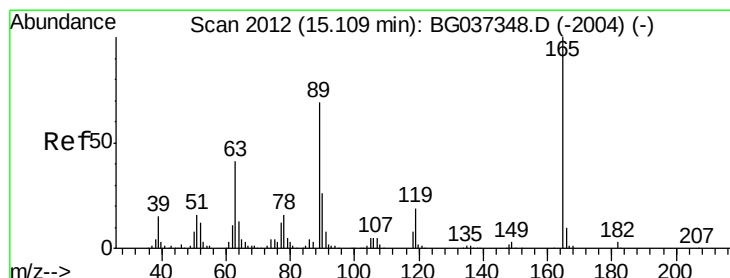
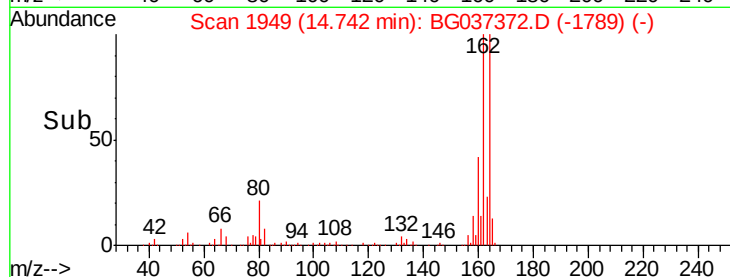
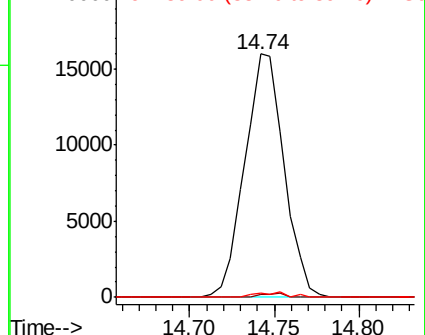
89 1.8 45.8 68.6#



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: 11.330 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.37 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Tgt Ion:165 Resp: 25891

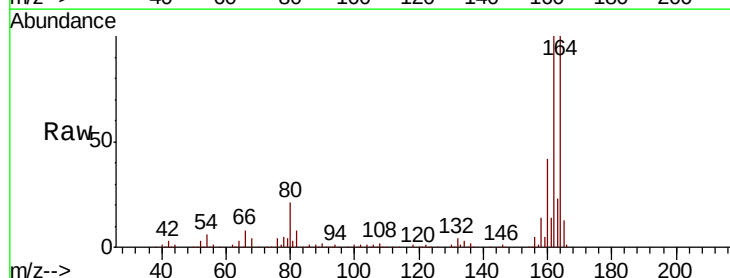
Ion Ratio Lower Upper

165 100

63 1.0 33.4 50.0#

89 1.8 57.2 85.8#

182 0.0 2.6 4.0#

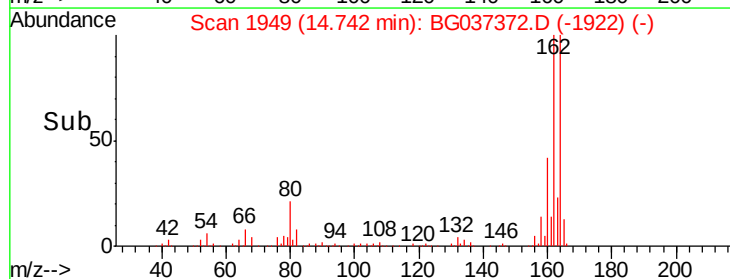
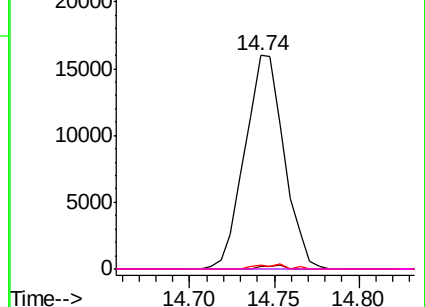


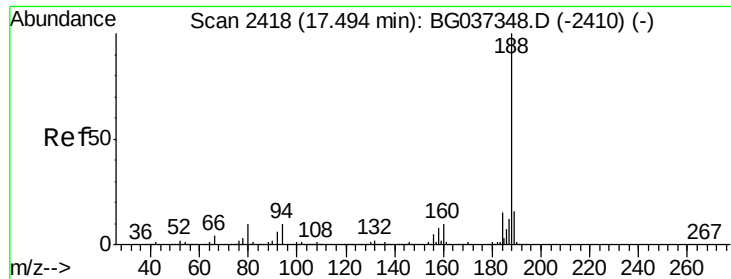
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG037372.D

Acq: 16 Oct 2018 23:21

Instrument :

BNA_G

ClientSampleId :

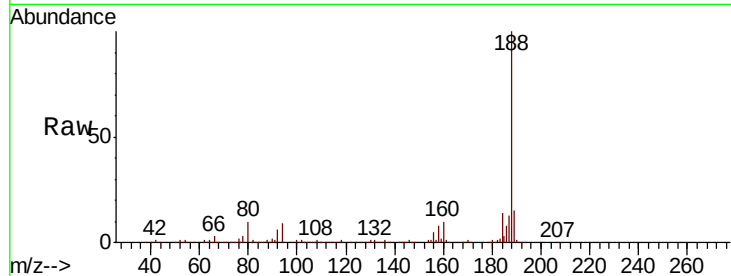
Tot Ion:188 Resp: 512140

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

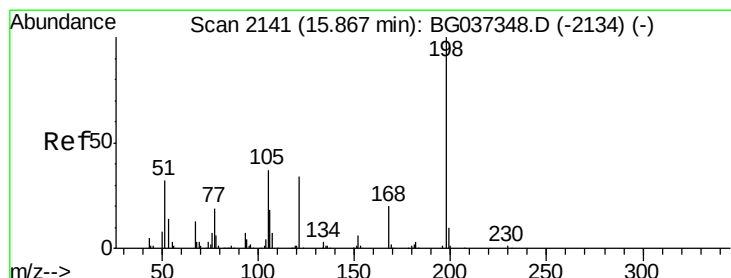
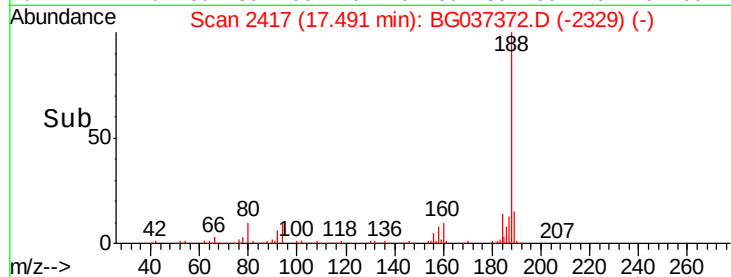
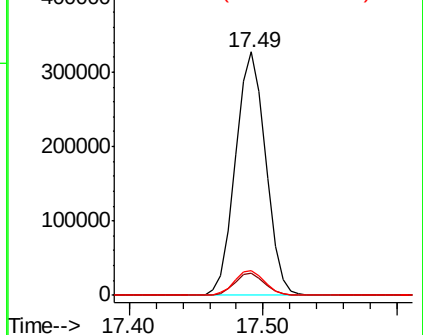
80 10.4 7.7 11.5



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: 6.384 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

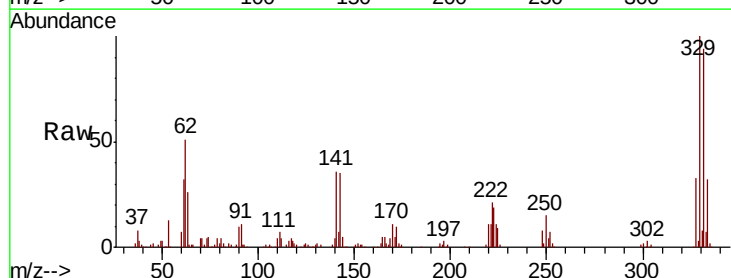
Tgt Ion:198 Resp: 802

Ion Ratio Lower Upper

198 100

51 25.6 22.7 62.7

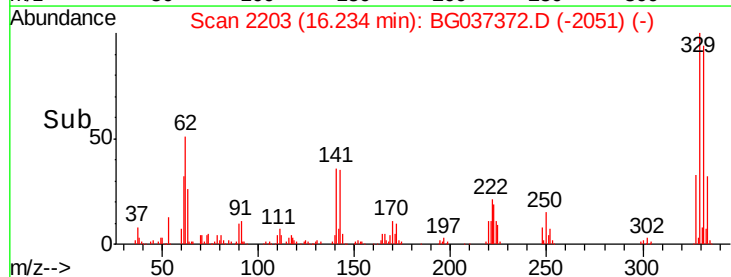
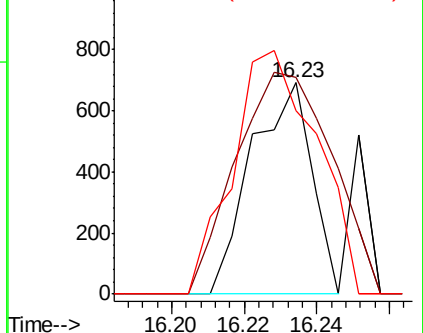
105 21.6 19.7 59.7

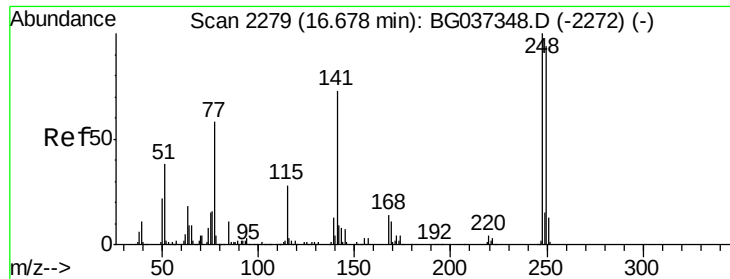


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

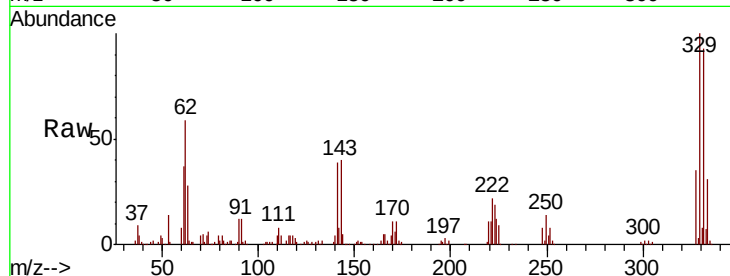




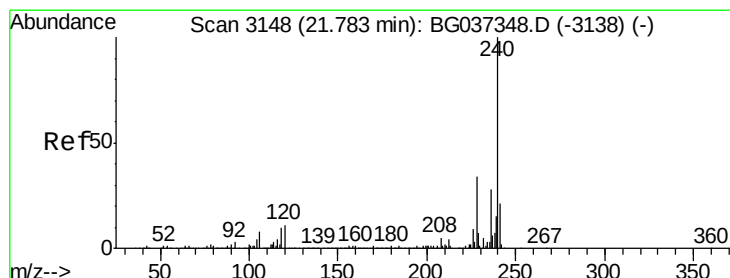
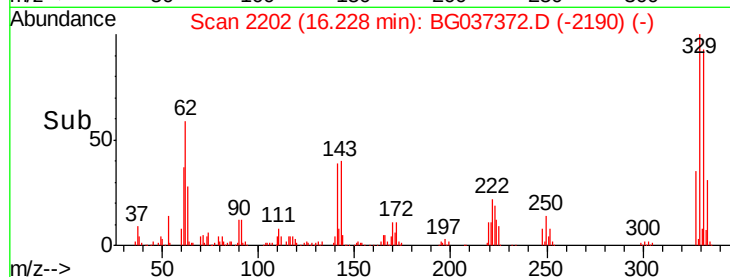
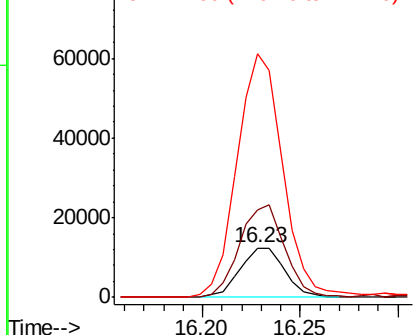
#67
 4-Bromophenyl-phenylether
 Concen: 3.575 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.46 min
 Lab File: BG037372.D
 Acq: 16 Oct 2018 23:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19762
 Ion Ratio Lower Upper
 248 100
 250 179.0 77.0 115.6#
 141 385.8 55.5 83.3#

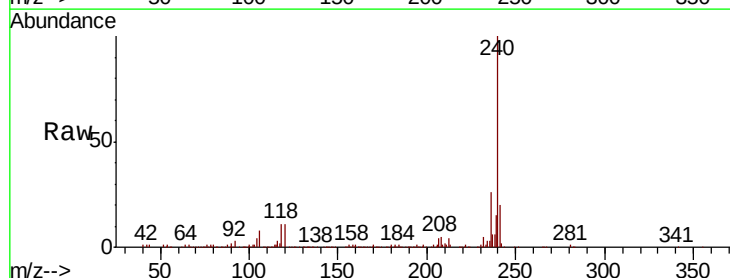


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

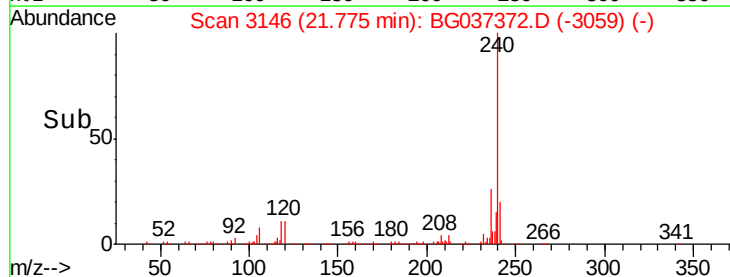
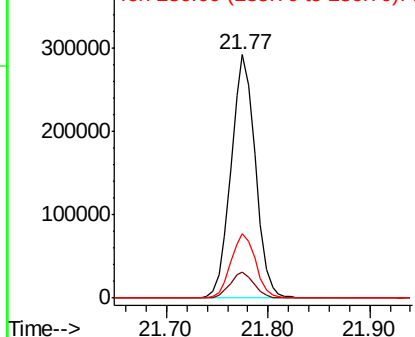


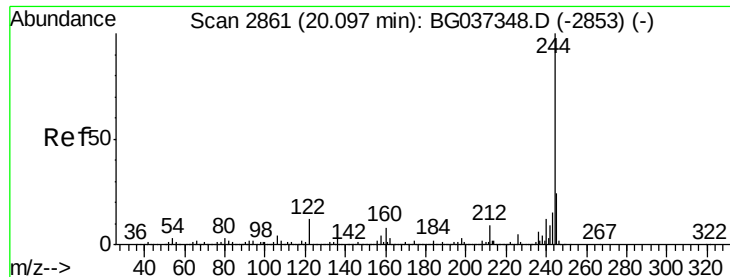
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG037372.D
 Acq: 16 Oct 2018 23:21

Tgt Ion:240 Resp: 484940
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.1 12.1
 236 26.2 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: 72.343 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

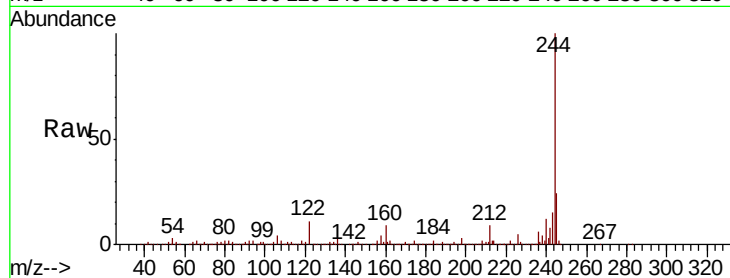
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1670776

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	11.4	9.0	13.4

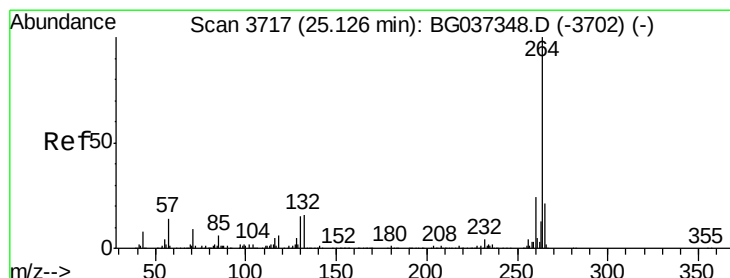
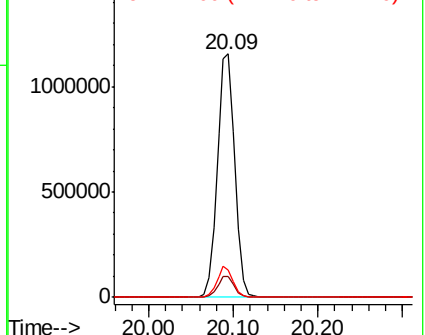
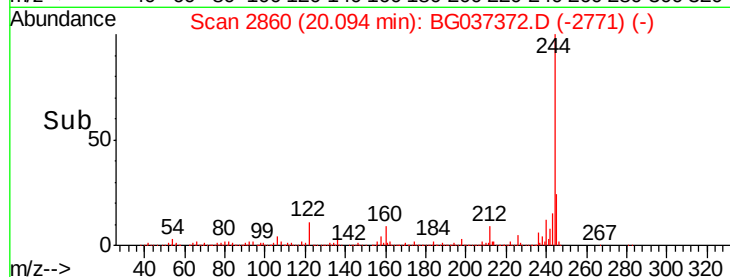


Abundance

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

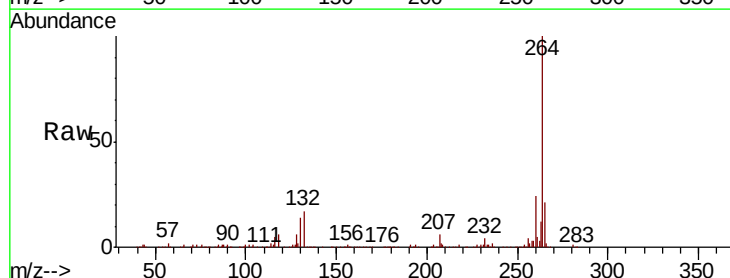
Delta R.T. -0.03 min

Lab File: BG037372.D

Acq: 16 Oct 2018 23:21

Tgt Ion:264 Resp: 483340

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	21.0	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

