

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\
 Data File : BG037830.D
 Acq On : 6 Nov 2018 8:58
 Operator : JU/SJ
 Sample : J5764-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 10:17:41 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

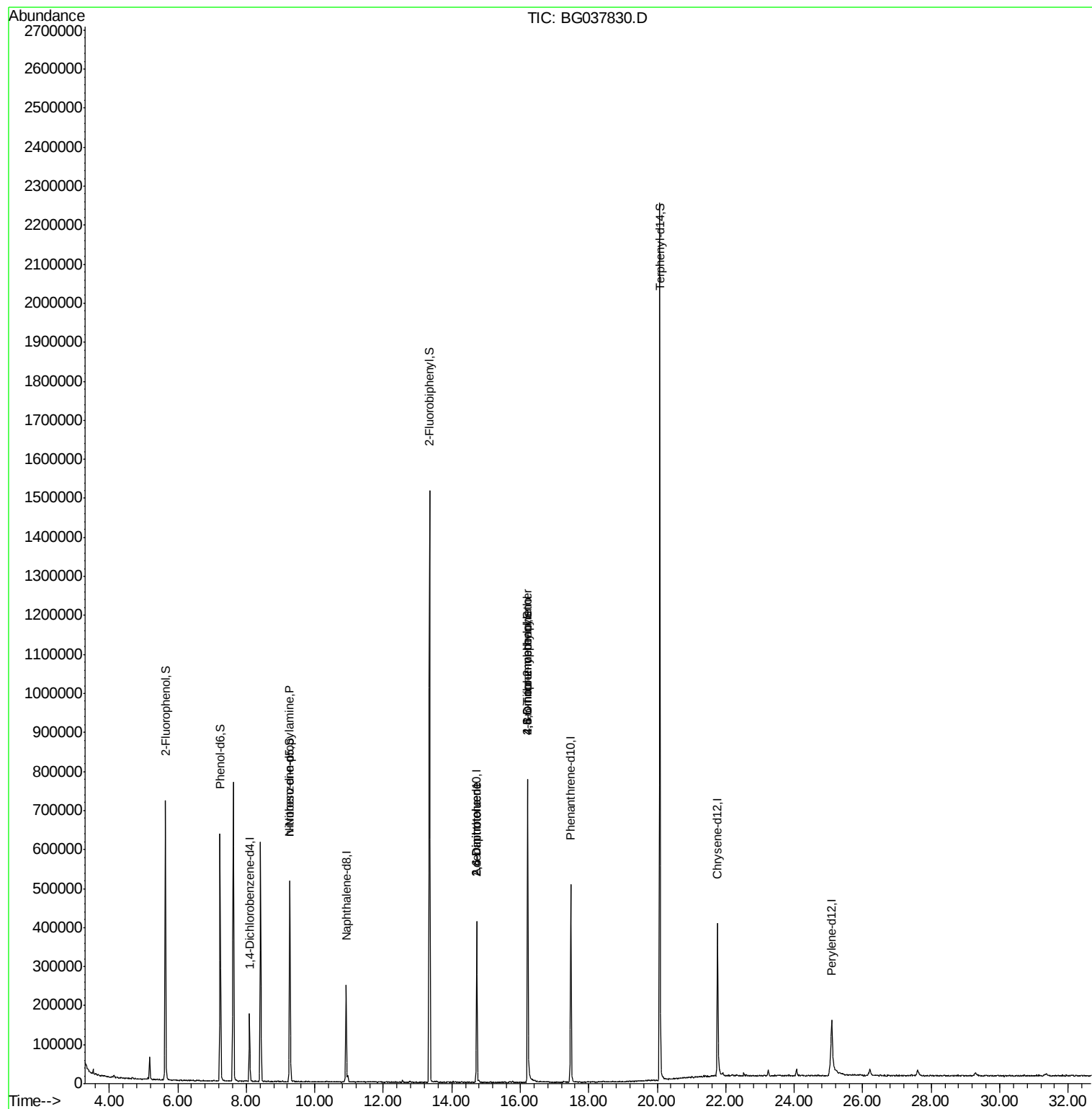
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	51830	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	228861	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	148842	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	329734	20.00	ng	0.00
76) Chrysene-d12	21.76	240	288832	20.00	ng	-0.02
87) Perylene-d12	25.10	264	243092	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	334541	107.91	ng	0.00
7) Phenol-d6	7.24	99	425768	90.82	ng	0.00
23) Nitrobenzene-d5	9.27	82	337733	82.67	ng	-0.02
42) 2,4,6-Tribromophenol	16.21	330	159048	97.97	ng	-0.02
45) 2-Fluorobiphenyl	13.35	172	832132	84.30	ng	-0.02
79) Terphenyl-d14	20.07	244	1194991	88.40	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	42247	13.087	ng	# 73
51) 2,6-Dinitrotoluene	14.73	165	19063	7.484	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	19063	5.701	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	413	8.704	ng	74
67) 4-Bromophenyl-phenylether	16.22	248	11695	3.230	ng	# 1

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

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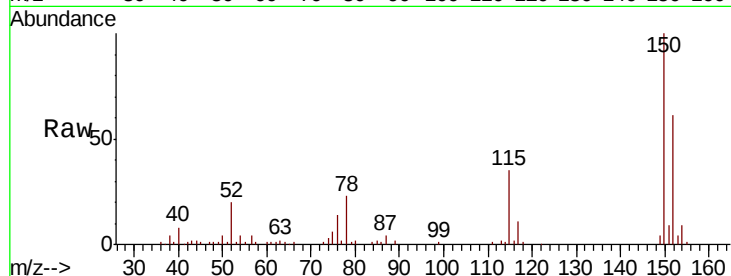


#1

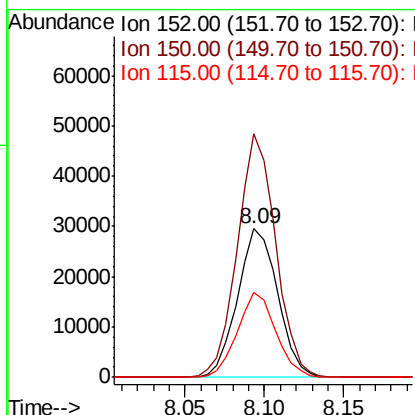
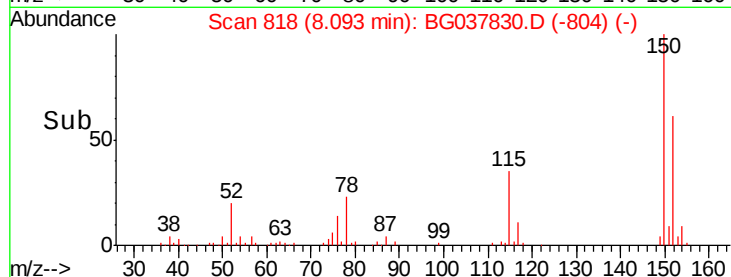
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.02 min
Lab File: BG037830.D
Acq: 6 Nov 2018 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51830
Ion Ratio Lower Upper
152 100
150 163.7 126.0 189.0
115 56.8 45.5 68.3



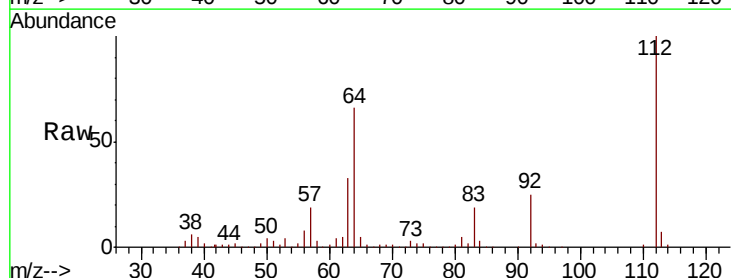
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



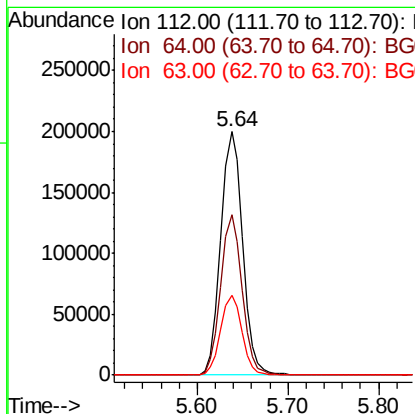
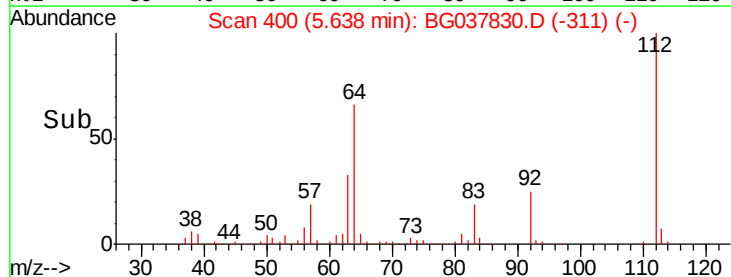
#5

2-Fluorophenol
Concen: 107.911 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037830.D
Acq: 6 Nov 2018 8:58

Tgt Ion:112 Resp: 334541
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 32.7 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: 90.824 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

Instrument :

BNA_G

ClientSampleId :

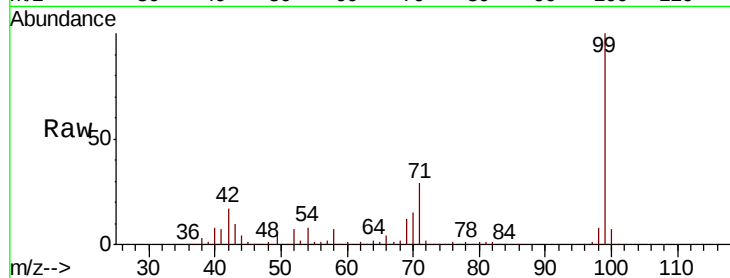
Tot Ion: 99 Resp: 425768

Ion Ratio Lower Upper

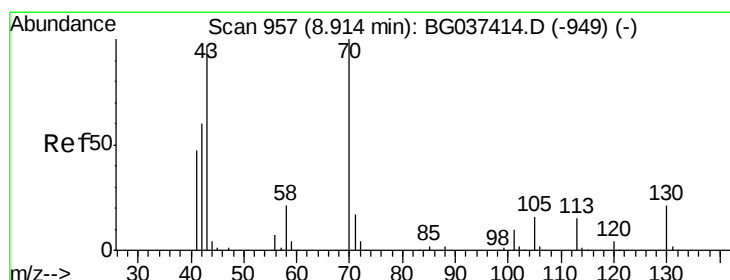
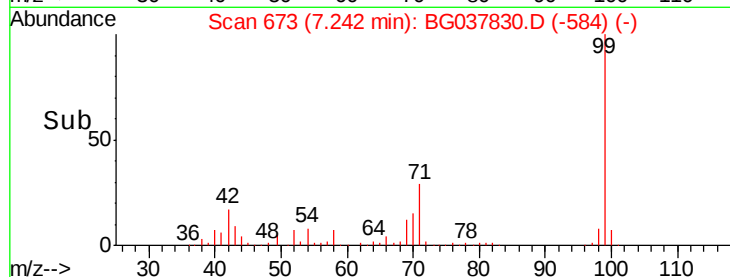
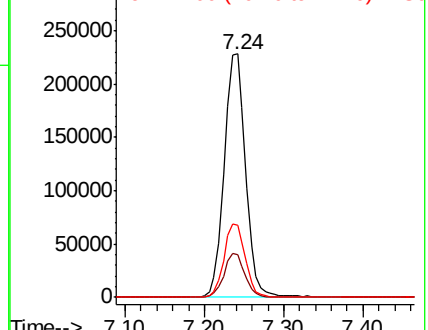
99 100

42 17.3 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: 13.087 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

Tgt Ion: 70 Resp: 42247

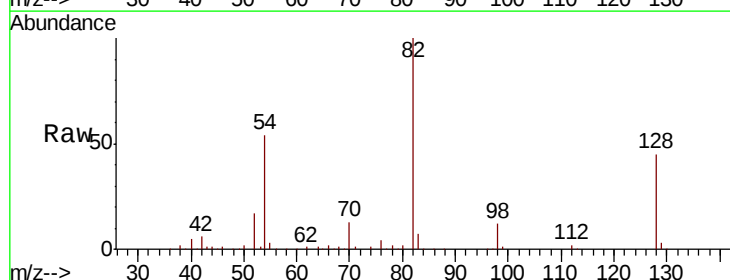
Ion Ratio Lower Upper

70 100

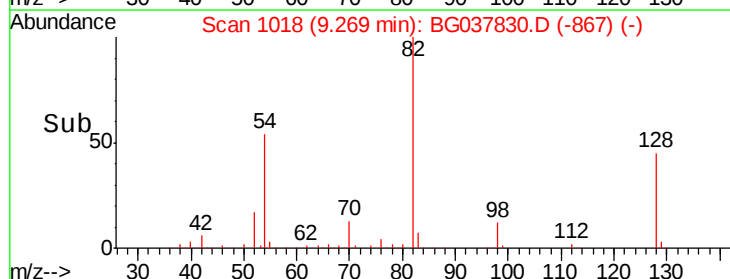
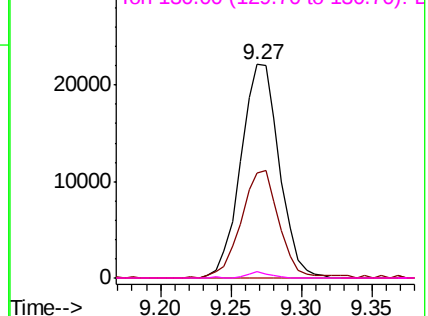
42 49.0 53.9 80.9#

101 0.0 8.2 12.2#

130 2.9 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

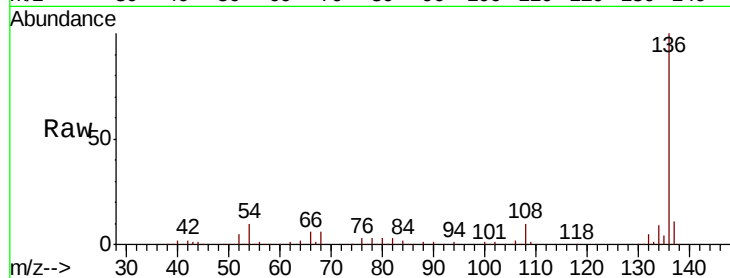




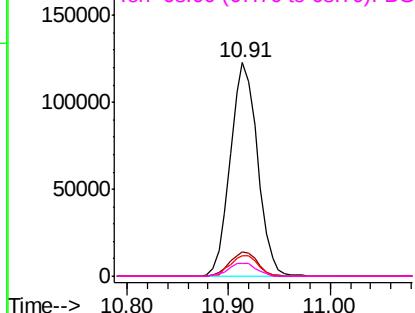
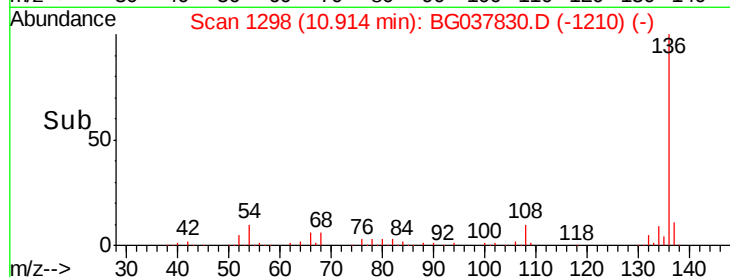
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BG037830.D
Acq: 6 Nov 2018 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	228861
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.6 14.4
54	9.6	7.9 11.9
68	6.2	4.8 7.2

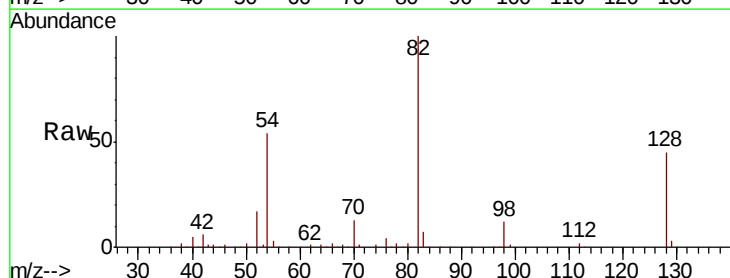


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

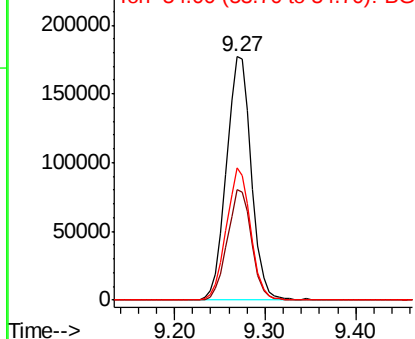
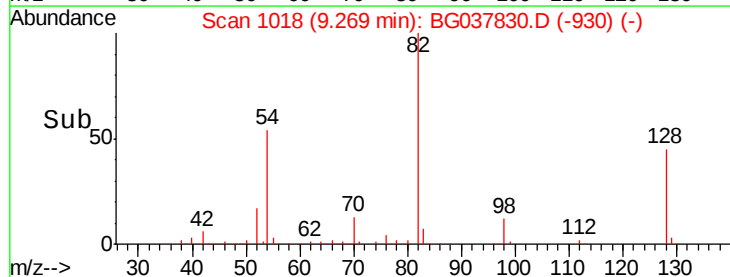


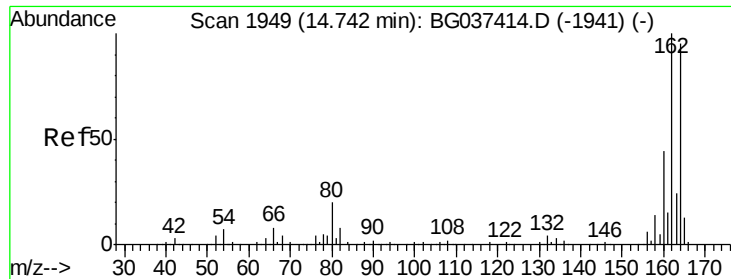
#23
Nitrobenzene-d5
Concen: 82.668 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BG037830.D
Acq: 6 Nov 2018 8:58

Tgt Ion: 82	Resp:	337733
Ion Ratio	Lower	Upper
82	100	
128	45.2	34.6 51.8
54	54.4	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. -0.02 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

Instrument :

BNA_G

ClientSampleId :

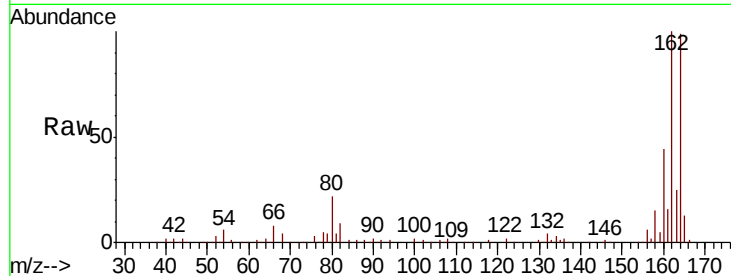
Tot Ion:164 Resp: 148842

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

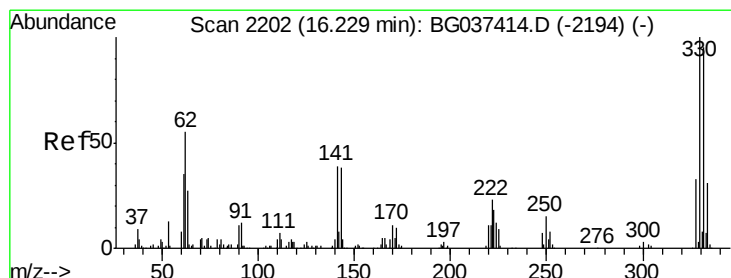
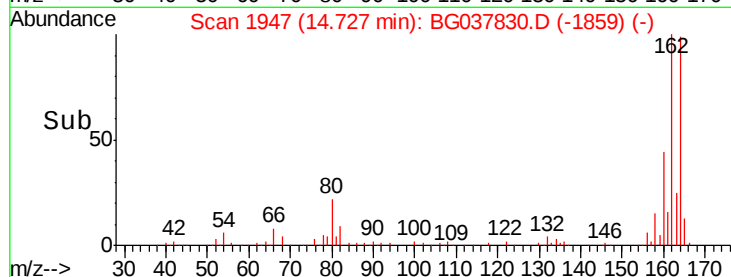
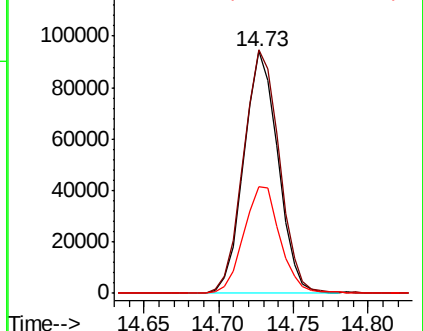
160 44.0 36.3 54.5



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: 97.972 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

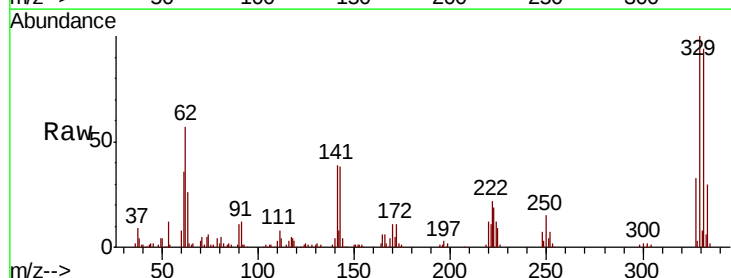
Tgt Ion:330 Resp: 159048

Ion Ratio Lower Upper

330 100

332 95.9 78.4 117.6

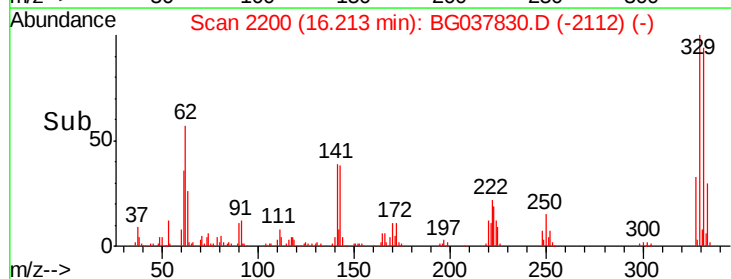
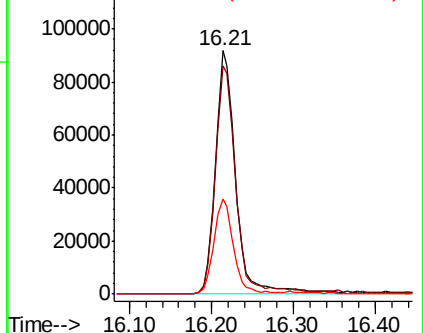
141 39.0 32.2 48.2



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

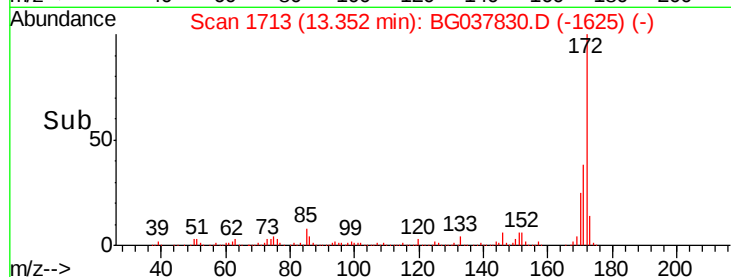
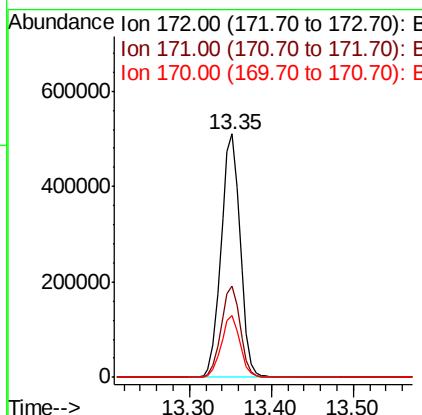
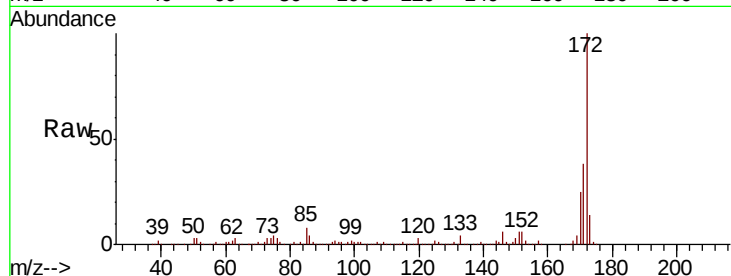




#45
 2-Fluorobiphenyl
 Concen: 84.305 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.02 min
 Lab File: BG037830.D
 Acq: 6 Nov 2018 8:58

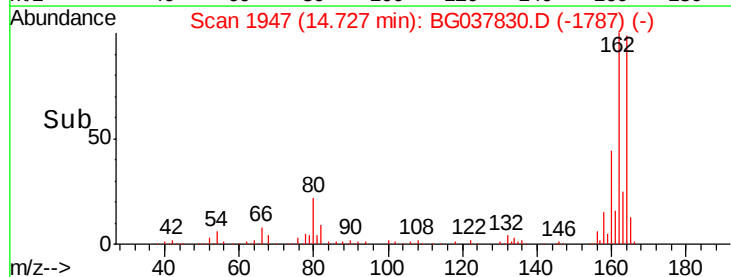
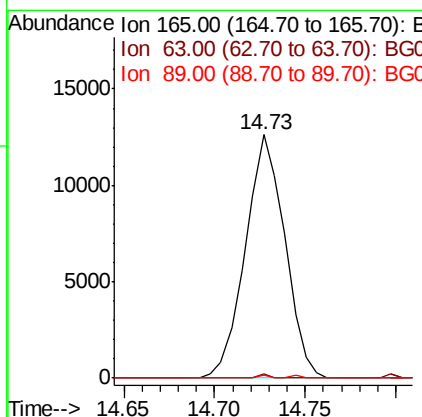
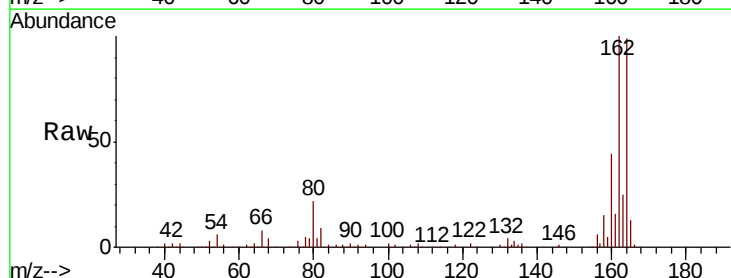
Instrument :
 BNA_G
 ClientSampleId :

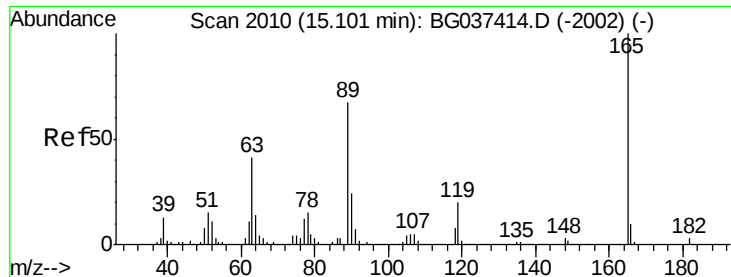
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.4
170	25.4	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.484 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037830.D
 Acq: 6 Nov 2018 8:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.4	65.2#
89	1.2	45.8	68.6#

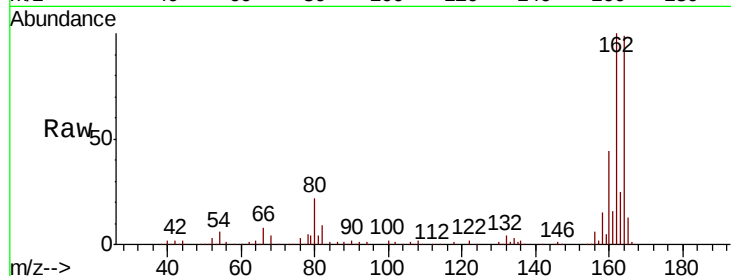




#57
 2,4-Dinitrotoluene
 Concen: 5.701 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037830.D
 Acq: 6 Nov 2018 8:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.4	50.0#
89	1.2	57.2	85.8#
182	0.0	2.6	4.0#



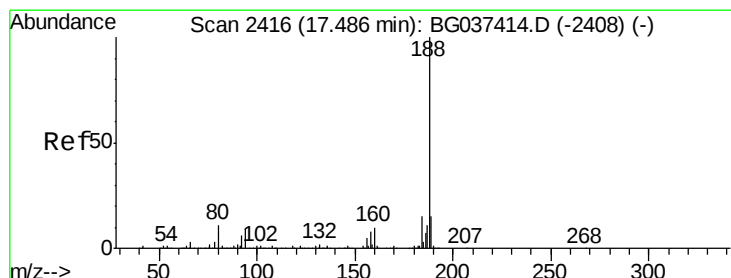
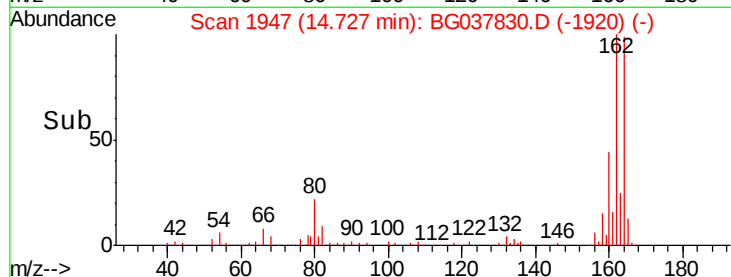
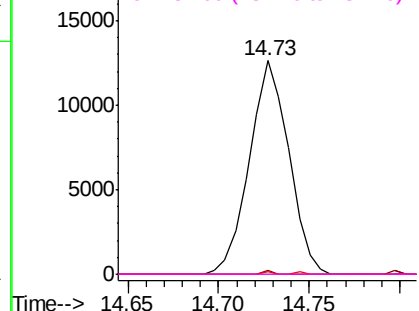
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

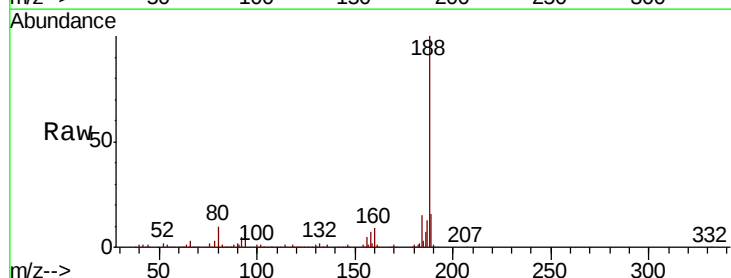
Ion 89.00 (88.70 to 89.70): BGC

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: BG037830.D
 Acq: 6 Nov 2018 8:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	10.1	7.7	11.5

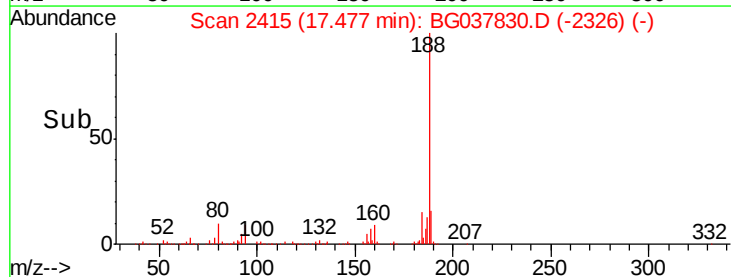
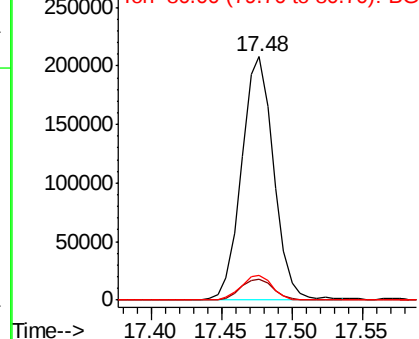


Abundance

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: 8.704 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

Instrument :

BNA_G

ClientSampleId :

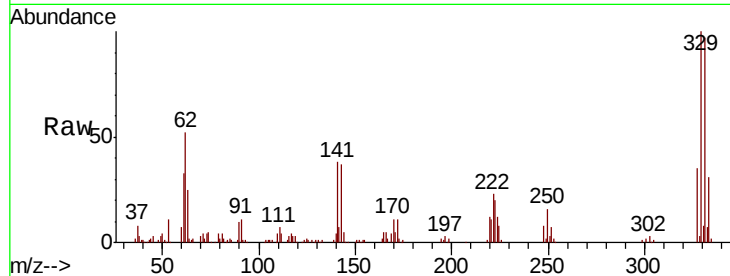
Tot Ion:198 Resp: 413

Ion Ratio Lower Upper

198 100

51 24.0 22.7 62.7

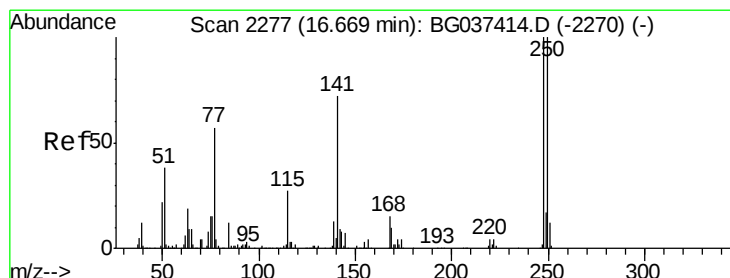
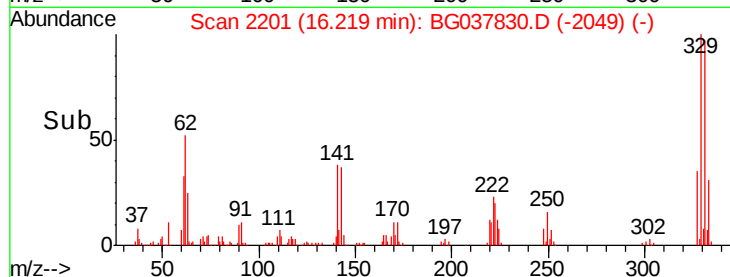
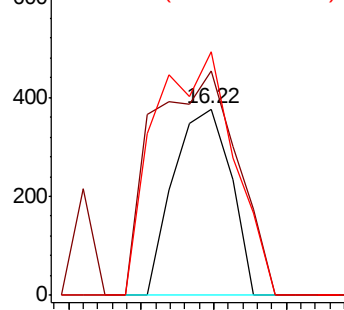
105 26.1 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG037414.D (-2132) (-)

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.230 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

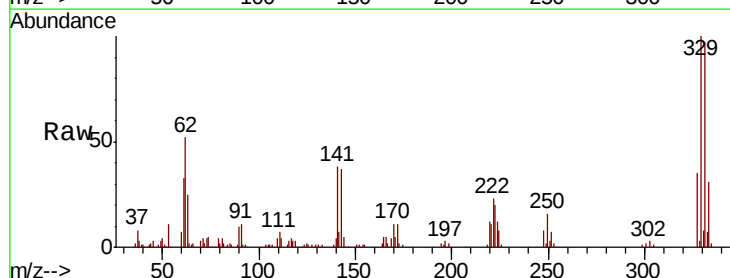
Tgt Ion:248 Resp: 11695

Ion Ratio Lower Upper

248 100

250 195.5 77.0 115.6#

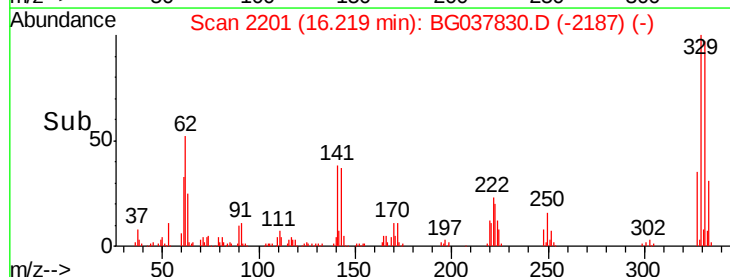
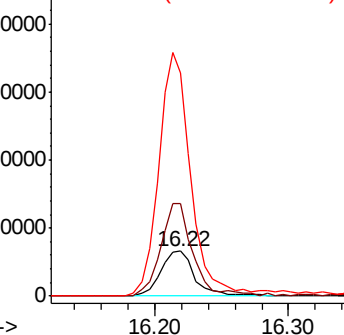
141 385.0 55.5 83.3#

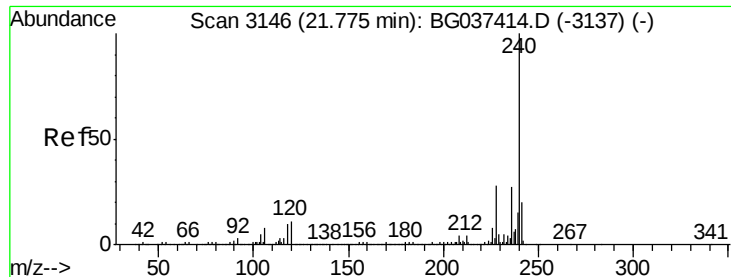


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

Instrument :

BNA_G

ClientSampleId :

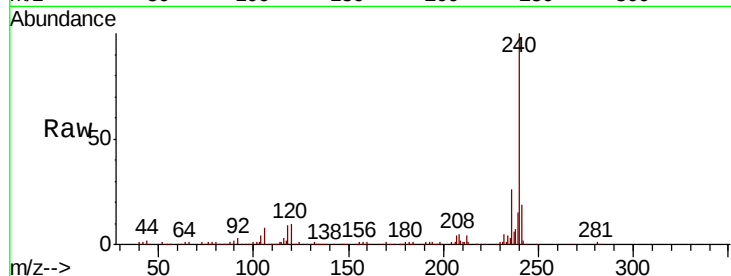
Tot Ion:240 Resp: 288832

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

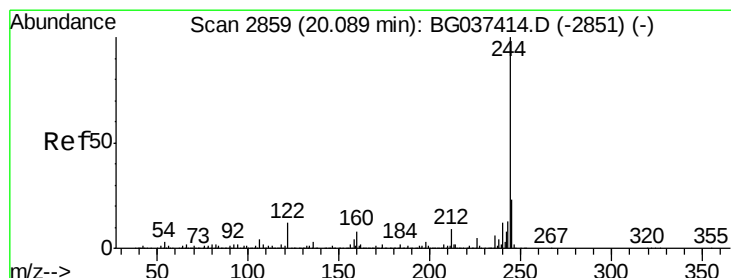
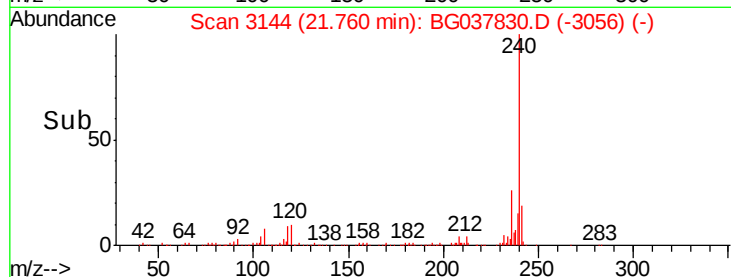
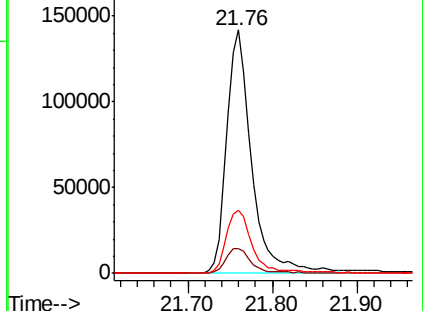
236 25.9 21.4 32.0



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: 88.405 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037830.D

Acq: 6 Nov 2018 8:58

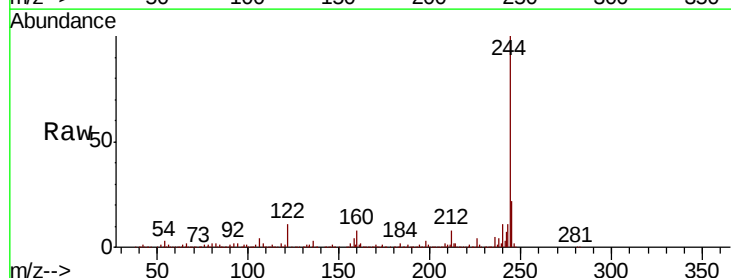
Tgt Ion:244 Resp: 1194991

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

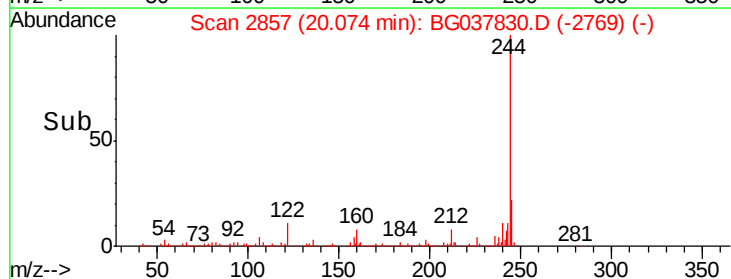
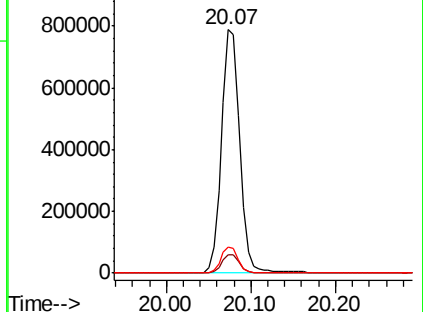
122 10.8 9.0 13.4

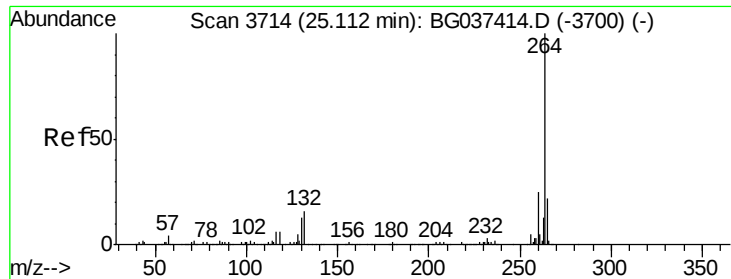


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.02 min
Lab File: BG037830.D
Acq: 6 Nov 2018 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	21.0	17.9	26.9

