

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
 Data File : BG037642.D
 Acq On : 30 Oct 2018 3:37
 Operator : JU/SJ
 Sample : PB114209BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 05:47:54 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

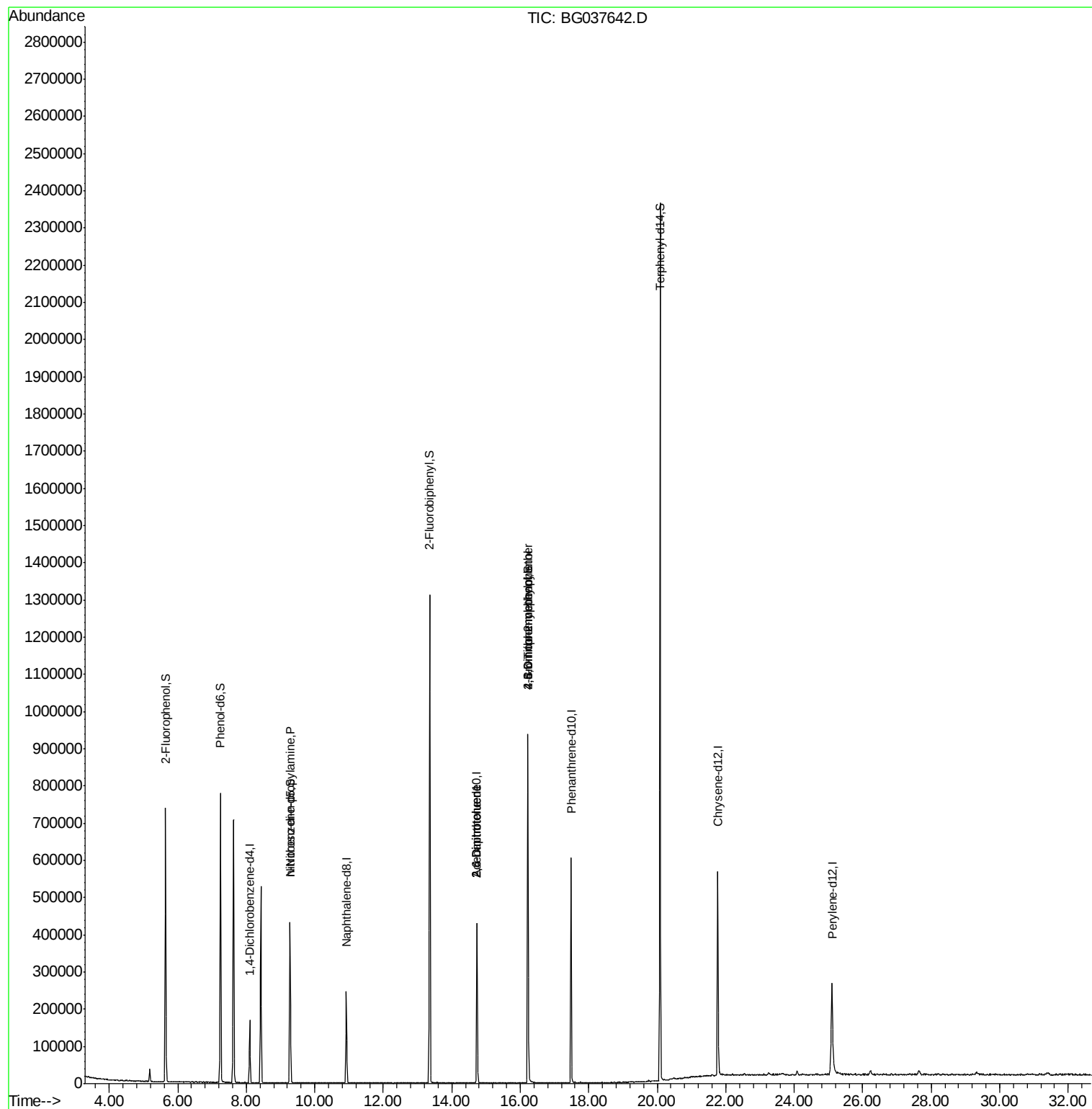
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	51585	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	223855	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	156157	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	378386	20.00	ng	0.00
76) Chrysene-d12	21.77	240	350334	20.00	ng	0.00
87) Perylene-d12	25.10	264	333421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	338999	109.87	ng	0.00
7) Phenol-d6	7.25	99	493793	105.84	ng	0.00
23) Nitrobenzene-d5	9.27	82	282157	70.61	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	181912	106.81	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	722056	69.73	ng	0.00
79) Terphenyl-d14	20.08	244	1129462	68.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	34616	10.774	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	20054	7.504	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	20054	5.717	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	502	8.716	ng	92
67) 4-Bromophenyl-phenylether	16.22	248	13090	3.150	ng	# 1

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

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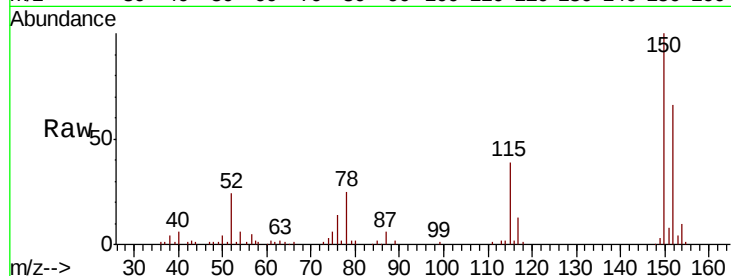


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.0	189.0
115	58.7	45.5	68.3

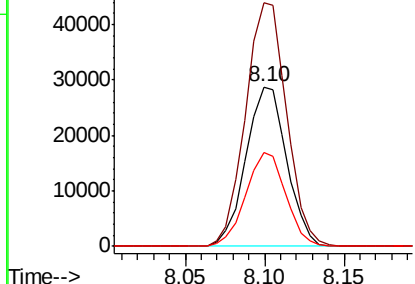
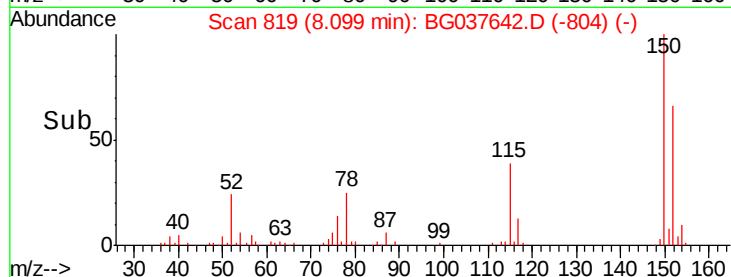


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

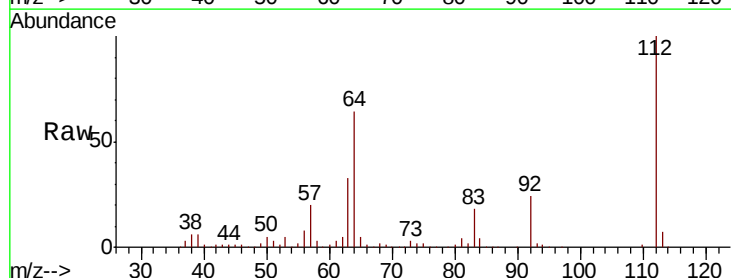
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.868 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.1	79.7
63	32.7	27.3	40.9

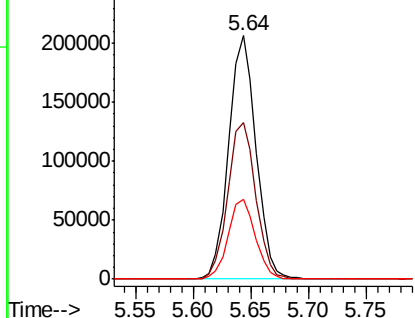
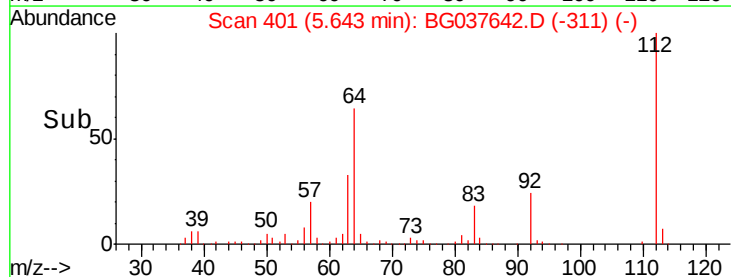


Abundance

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: 105.836 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

Instrument :

BNA_G

ClientSampleId :

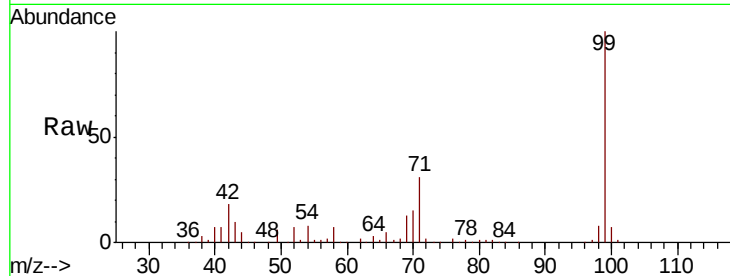
Tot Ion: 99 Resp: 493793

Ion Ratio Lower Upper

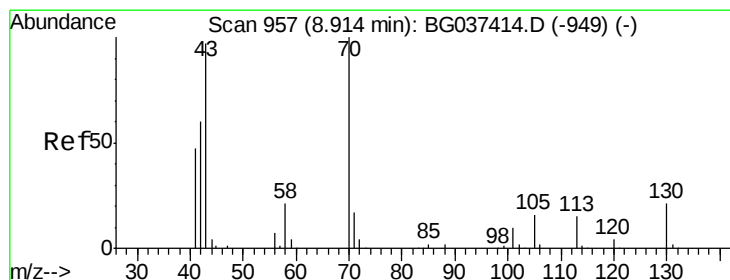
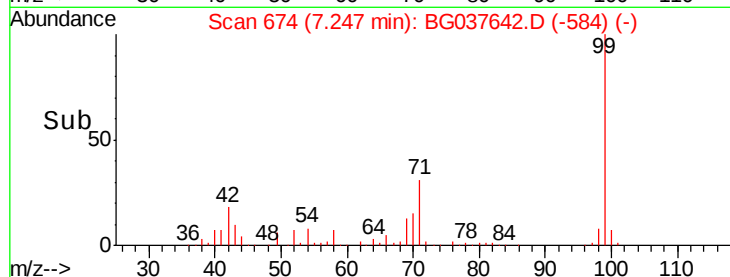
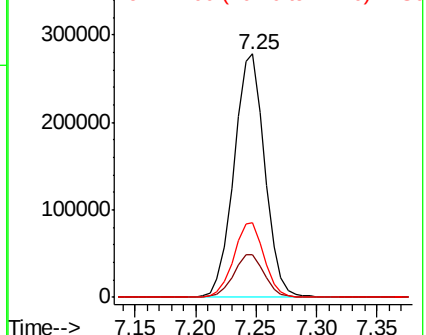
99 100

42 17.5 15.0 22.4

71 30.5 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: 10.774 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

Tgt Ion: 70 Resp: 34616

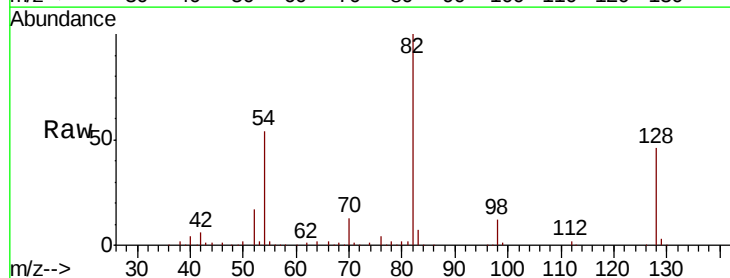
Ion Ratio Lower Upper

70 100

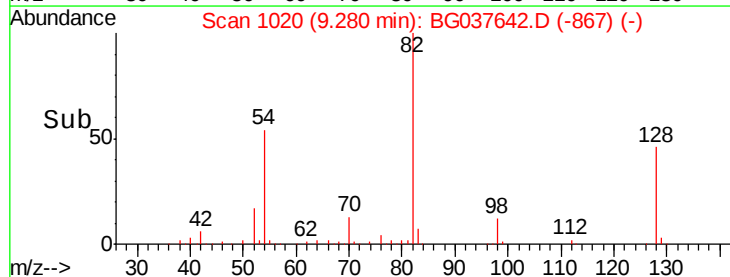
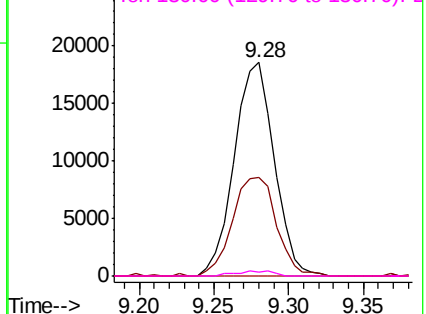
42 46.2 53.9 80.9#

101 0.0 8.2 12.2#

130 1.8 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

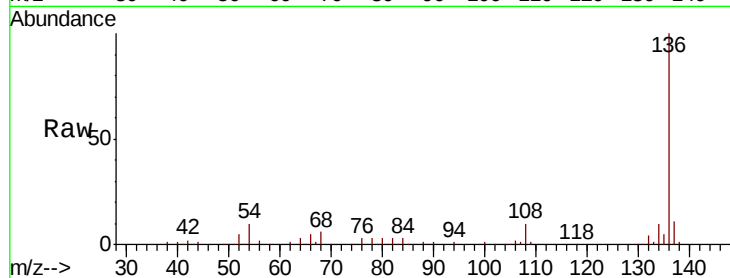




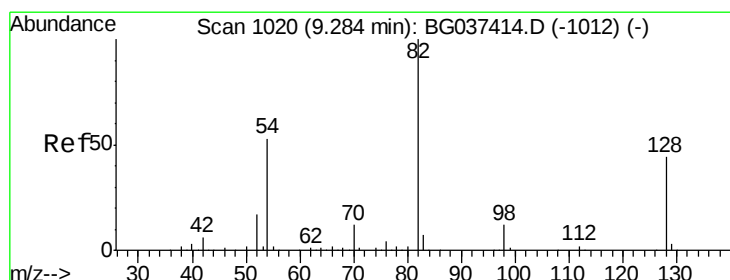
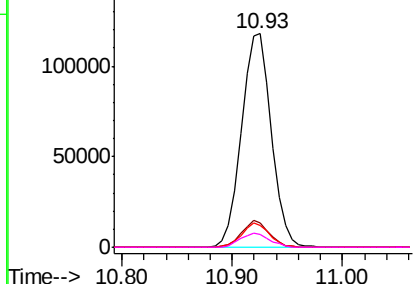
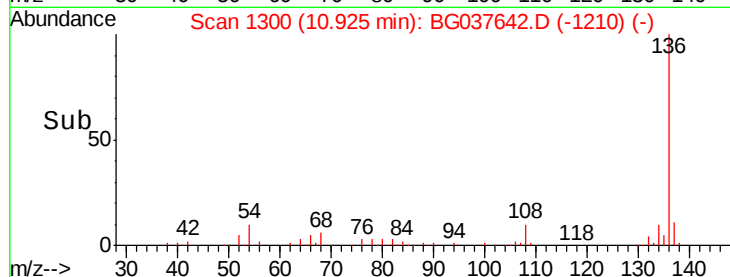
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	223855
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.6 14.4
54	10.1	7.9 11.9
68	5.8	4.8 7.2

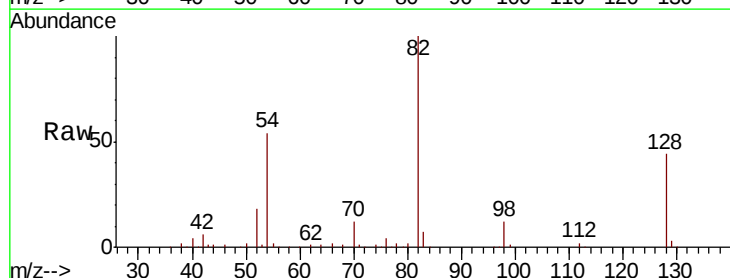


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

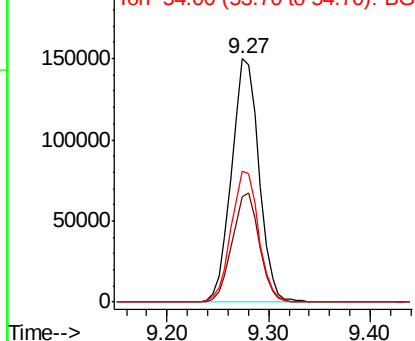
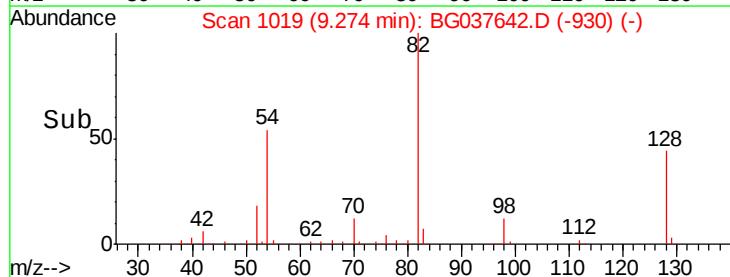


#23
Nitrobenzene-d5
Concen: 70.609 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Tgt Ion: 82	Resp:	282157
Ion Ratio	Lower	Upper
82	100	
128	43.5	34.6 51.8
54	53.8	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# 1948

Delta R.T. -0.01 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

Instrument :

BNA_G

ClientSampled :

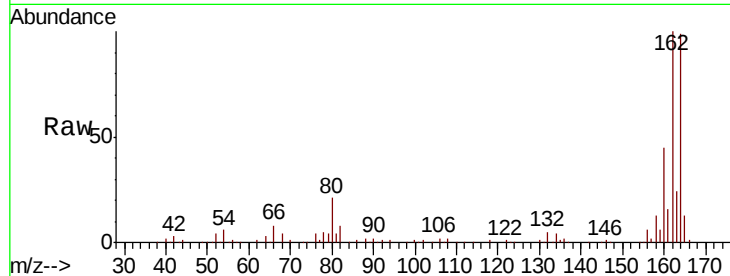
Tot Ion:164 Resp: 156157

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

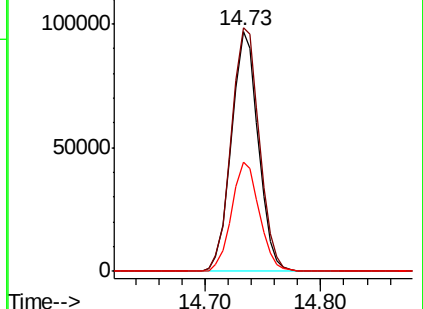
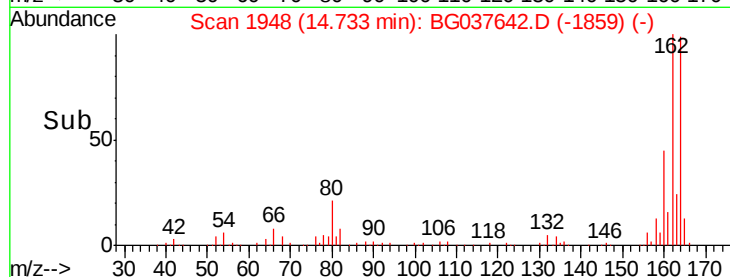
160 45.3 36.3 54.5



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: 106.807 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

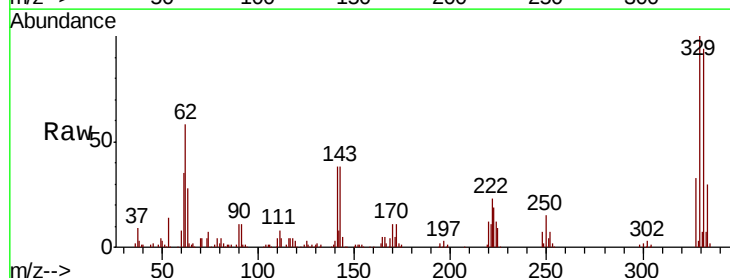
Tgt Ion:330 Resp: 181912

Ion Ratio Lower Upper

330 100

332 96.5 78.4 117.6

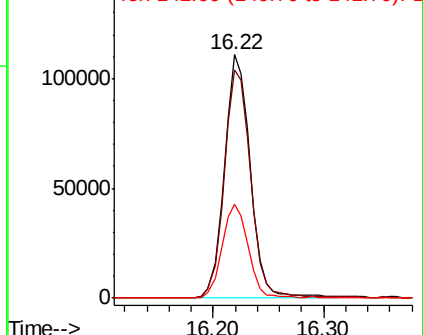
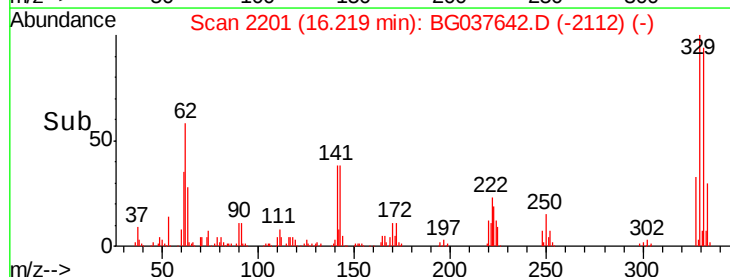
141 38.7 32.2 48.2



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

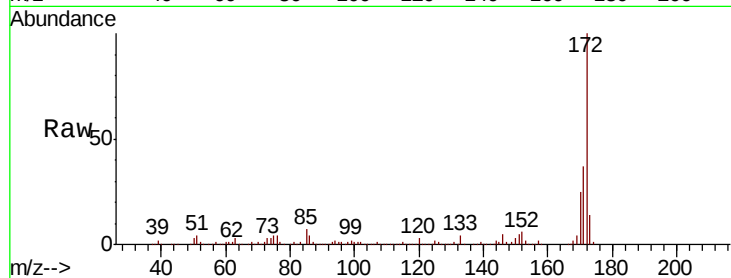




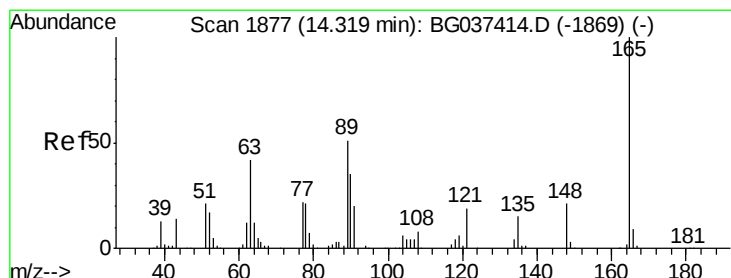
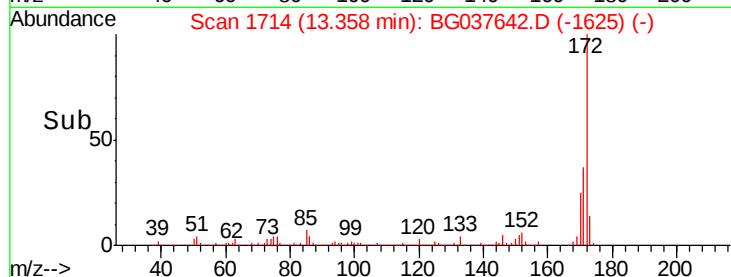
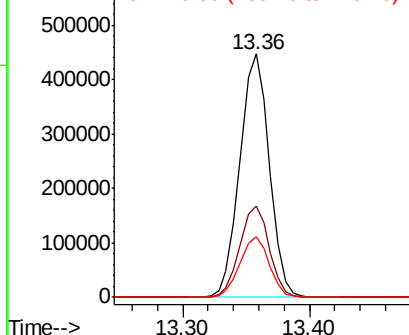
#45
2-Fluorobiphenyl
Concen: 69.726 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.0	46.4
170	24.7	20.2	30.2

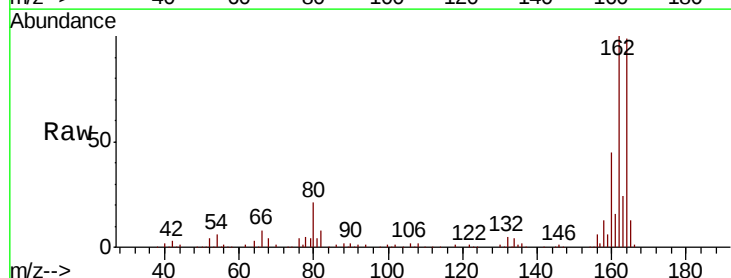


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

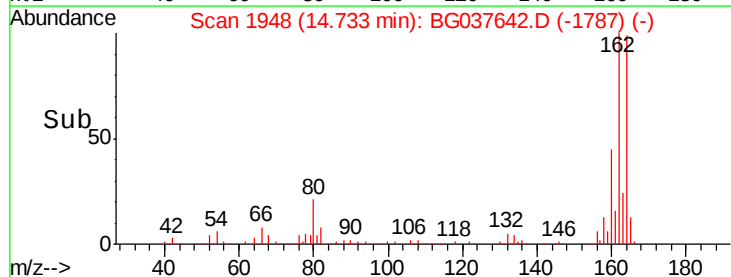
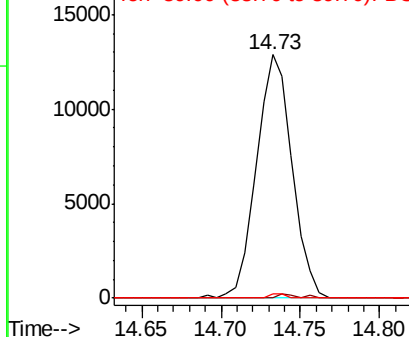


#51
2,6-Dinitrotoluene
Concen: 7.504 ng
RT: 14.73 min Scan# 1948
Delta R.T. 0.41 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.6	45.8	68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

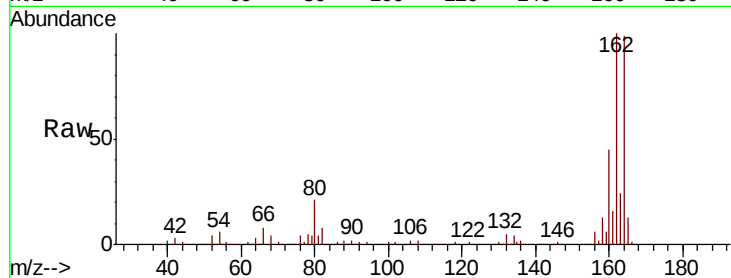




#57
 2,4-Dinitrotoluene
 Concen: 5.717 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037642.D
 Acq: 30 Oct 2018 3:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.6	57.2	85.8#
182	0.0	2.6	4.0#

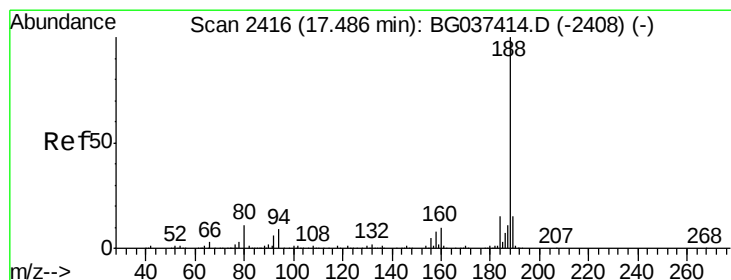
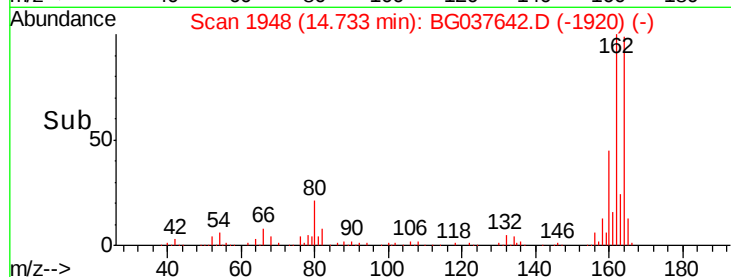
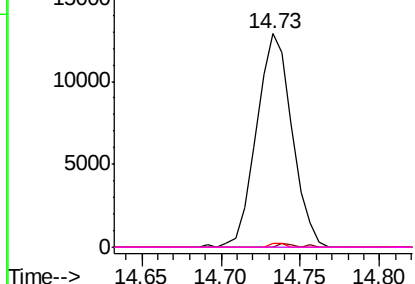


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

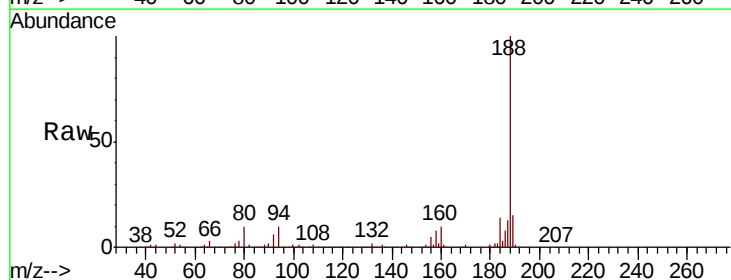
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037642.D
 Acq: 30 Oct 2018 3:37

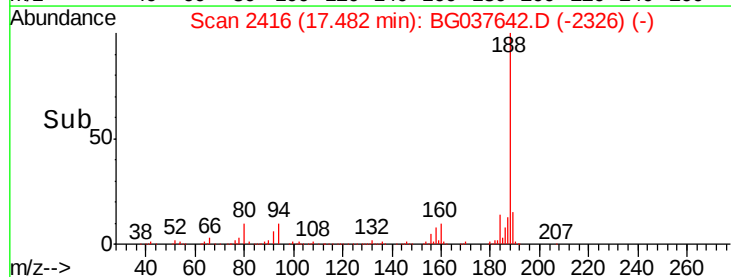
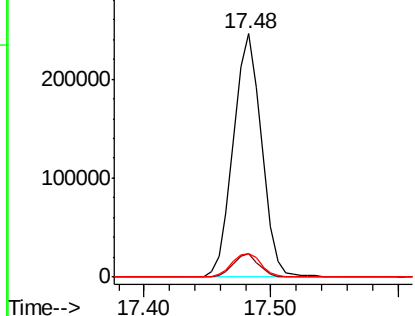
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	9.8	7.7	11.5

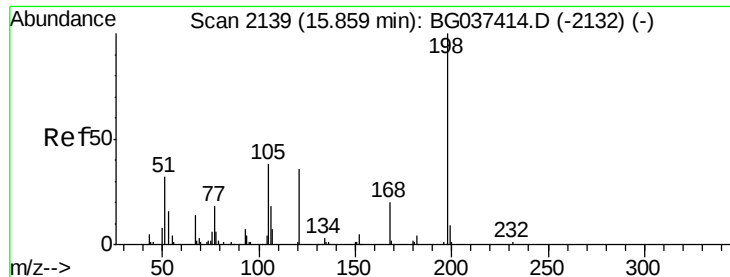


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

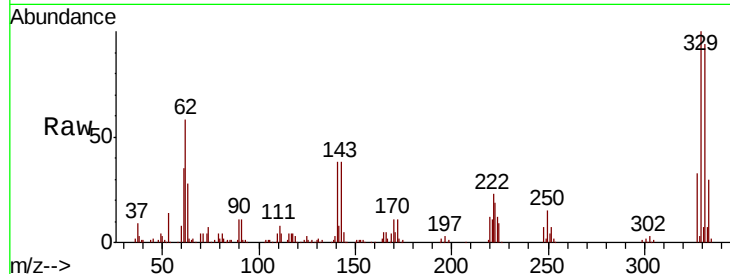




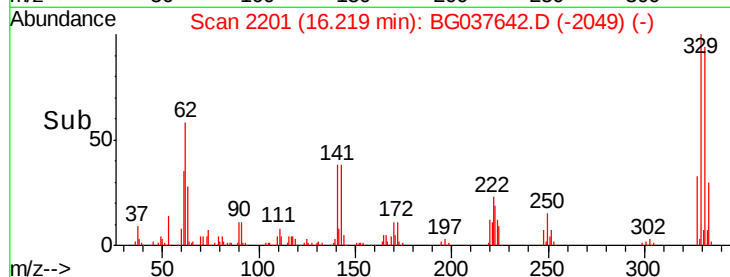
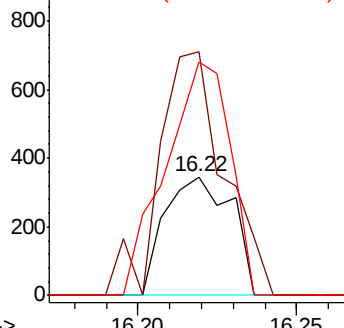
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.716 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037642.D
 Acq: 30 Oct 2018 3:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 502
 Ion Ratio Lower Upper
 198 100
 51 36.9 22.7 62.7
 105 35.3 19.7 59.7

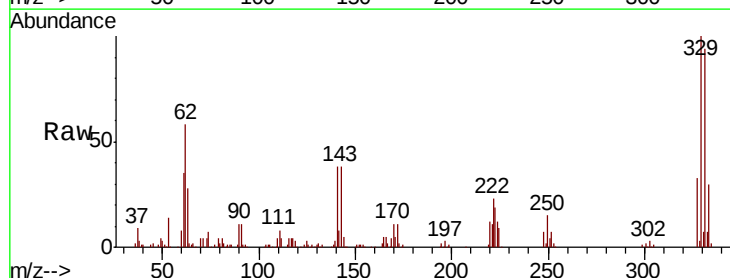


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

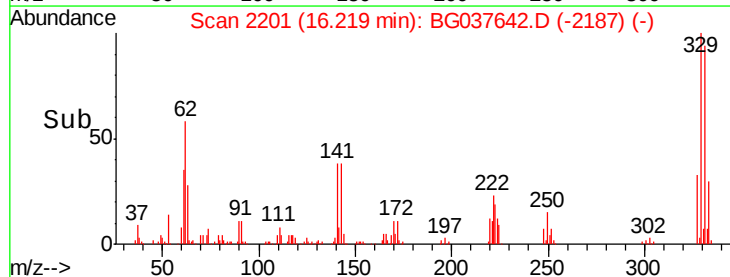
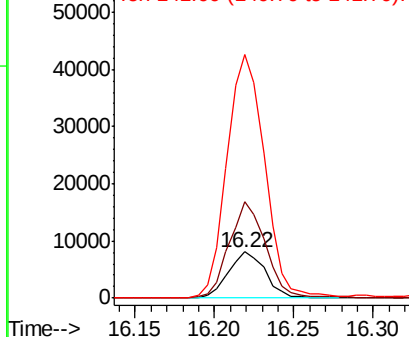


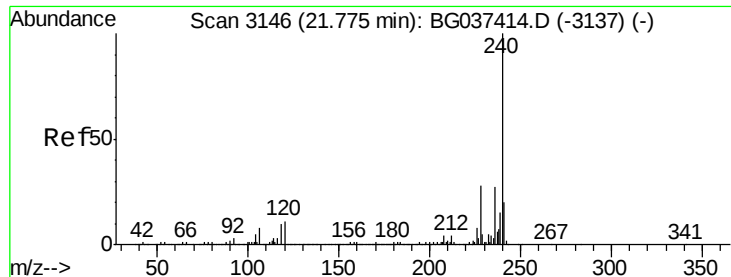
#67
 4-Bromophenyl-phenylether
 Concen: 3.150 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037642.D
 Acq: 30 Oct 2018 3:37

Tgt Ion:248 Resp: 13090
 Ion Ratio Lower Upper
 248 100
 250 210.4 77.0 115.6#
 141 412.4 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# 3145

Delta R.T. -0.01 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

Instrument :

BNA_G

ClientSampled :

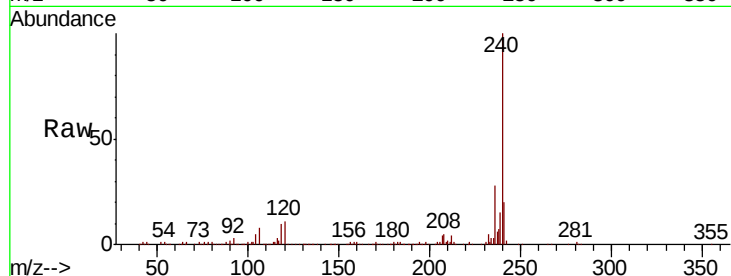
Tot Ion:240 Resp: 350334

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

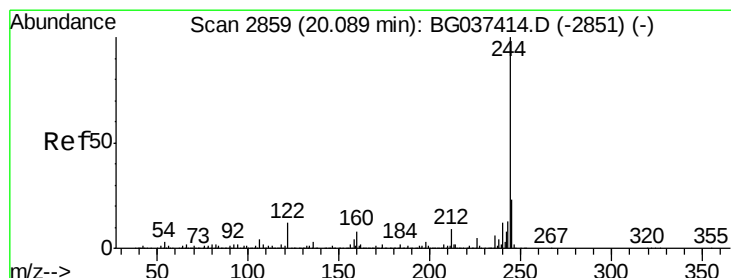
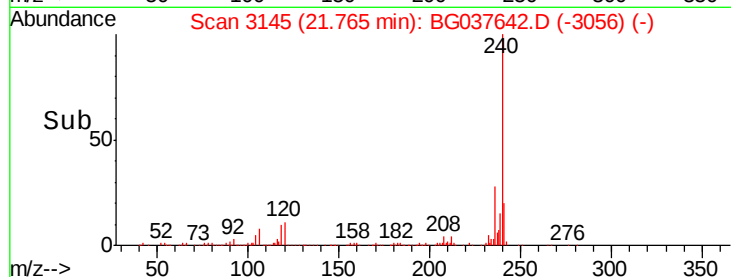
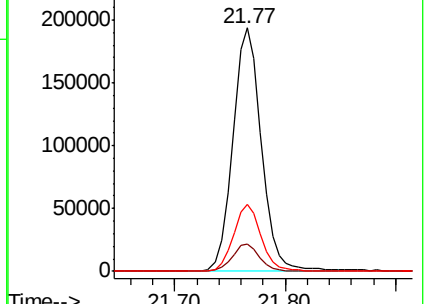
236 27.5 21.4 32.0



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: 68.888 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037642.D

Acq: 30 Oct 2018 3:37

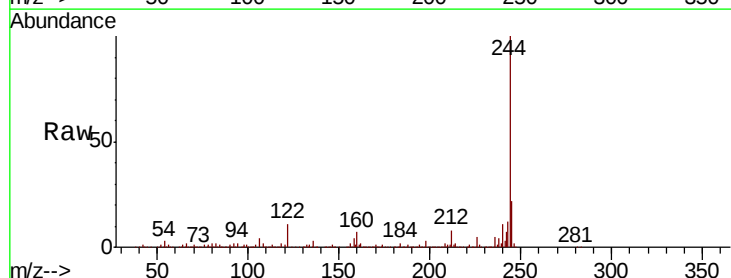
Tgt Ion:244 Resp: 1129462

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

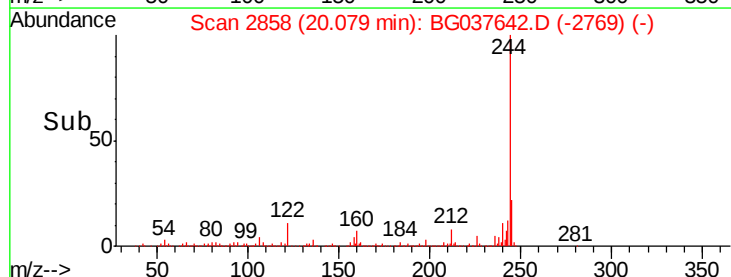
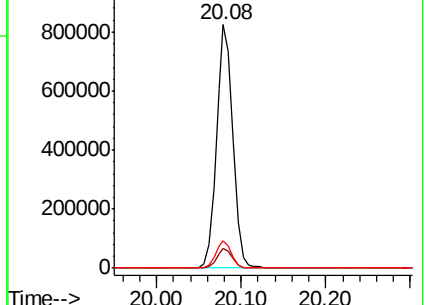
122 11.4 9.0 13.4

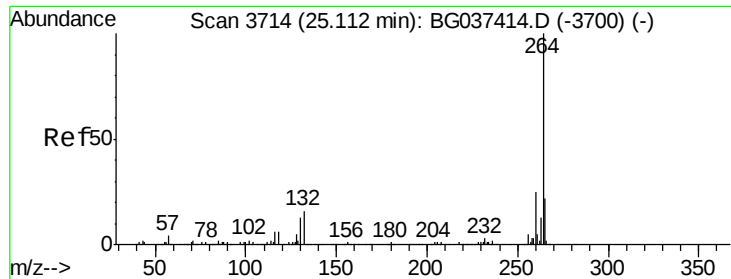


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037642.D
Acq: 30 Oct 2018 3:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	20.7	17.9	26.9

