

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037601.D
 Acq On : 27 Oct 2018 4:17
 Operator : JU/SJ
 Sample : J5661-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB44949

Quant Time: Oct 27 06:46:17 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

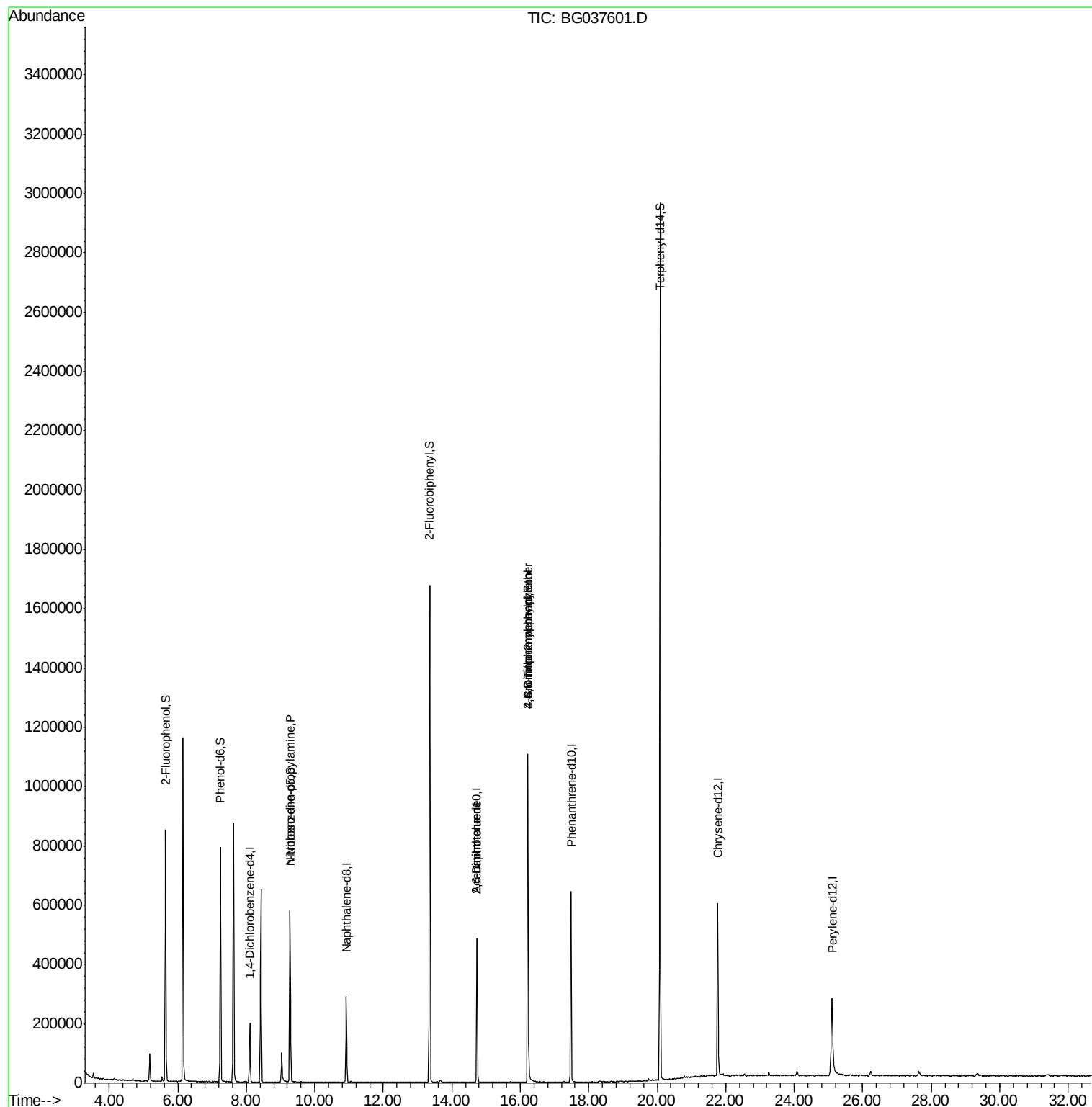
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	58424	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	257337	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	172297	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	422252	20.00	ng	0.00
76) Chrysene-d12	21.77	240	385311	20.00	ng	0.00
87) Perylene-d12	25.10	264	358525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	389986	111.60	ng	0.00
7) Phenol-d6	7.24	99	497400	94.13	ng	0.00
23) Nitrobenzene-d5	9.28	82	371905	80.96	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	209557	111.51	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	885136	77.47	ng	0.00
79) Terphenyl-d14	20.08	244	1377302	76.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	47260	12.988	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	22059	7.481	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	22059	5.699	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.22	198	703	8.769	ng	80
67) 4-Bromophenyl-phenylether	16.22	248	14795	3.191	ng	# 1

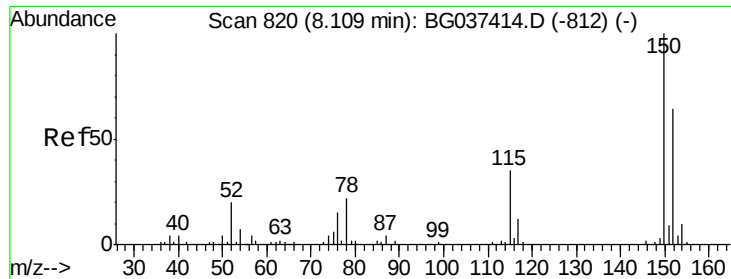
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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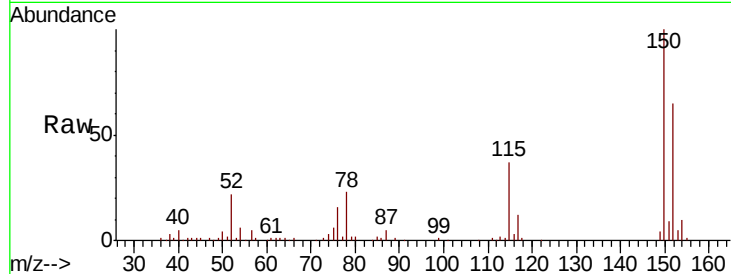


#1

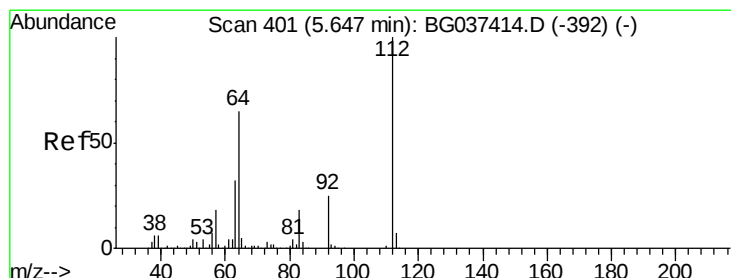
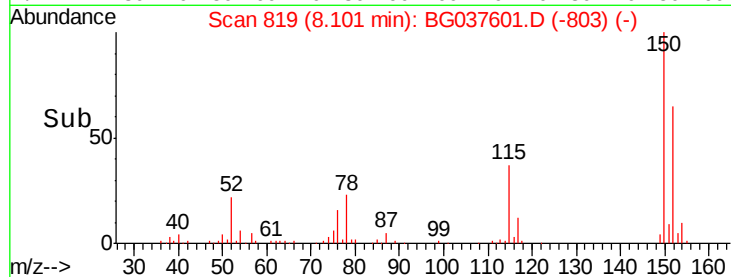
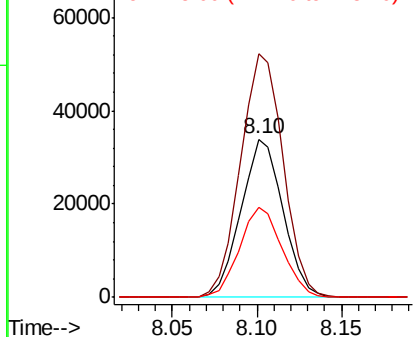
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037601.D
Acq: 27 Oct 2018 4:17

Instrument :
BNA_G
ClientSampleId :
VB44949

Tot Ion:152 Resp: 58424
Ion Ratio Lower Upper
152 100
150 154.1 126.0 189.0
115 57.1 45.5 68.3



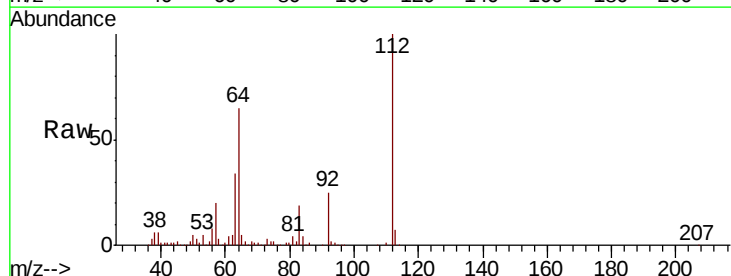
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



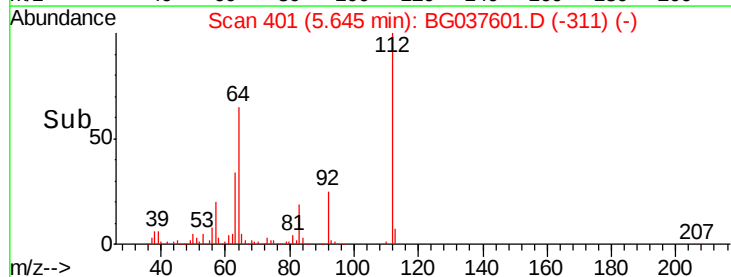
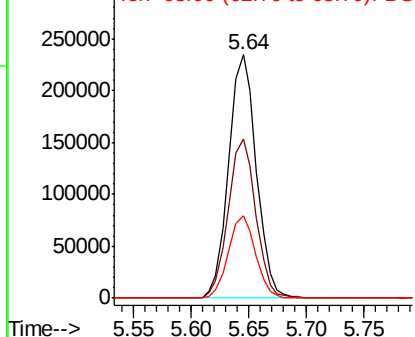
#5

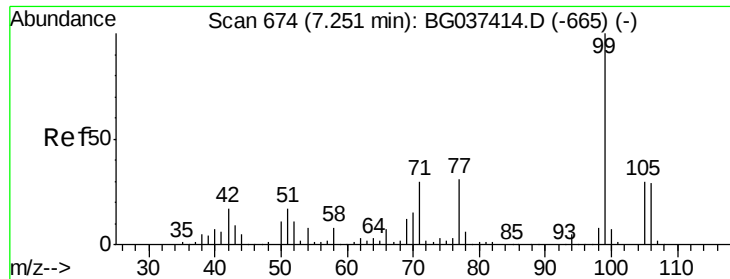
2-Fluorophenol
Concen: 111.598 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037601.D
Acq: 27 Oct 2018 4:17

Tgt Ion:112 Resp: 389986
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.6 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: 94.129 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

Instrument :

BNA_G

ClientSampleId :

VB44949

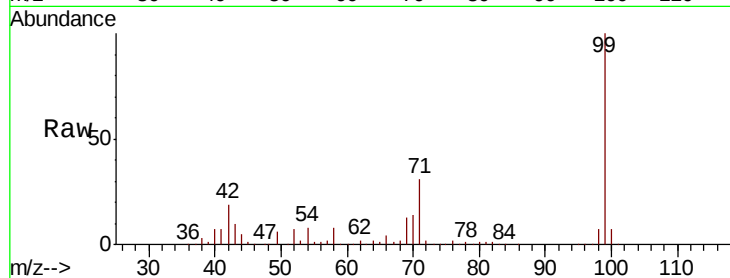
Tot Ion: 99 Resp: 497400

Ion Ratio Lower Upper

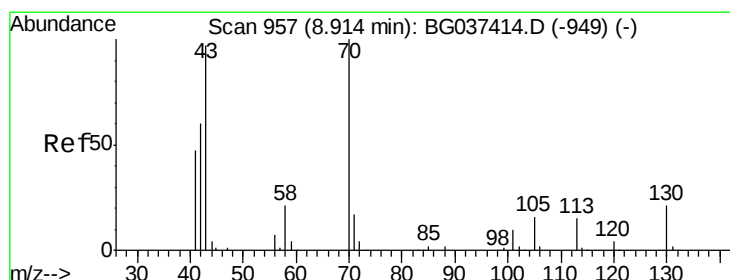
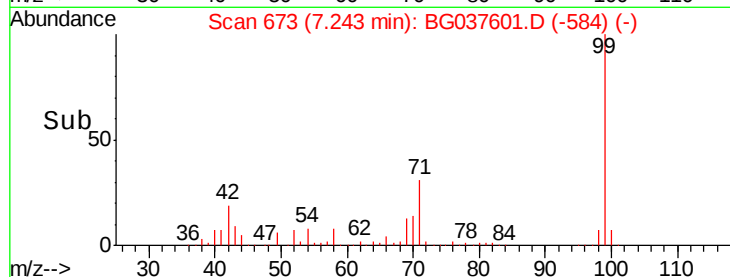
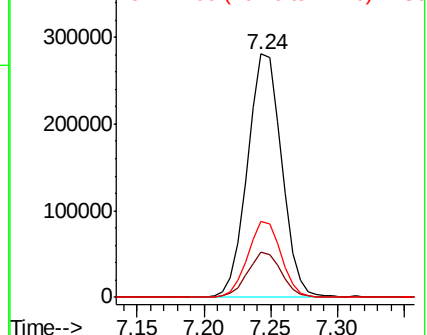
99 100

42 18.6 15.0 22.4

71 31.0 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: 12.988 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

Tgt Ion: 70 Resp: 47260

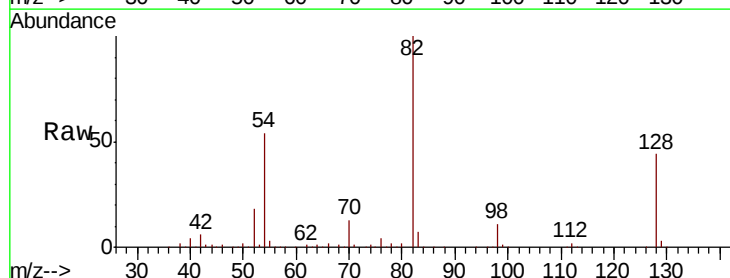
Ion Ratio Lower Upper

70 100

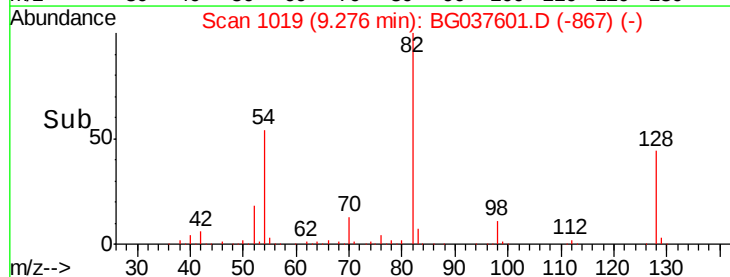
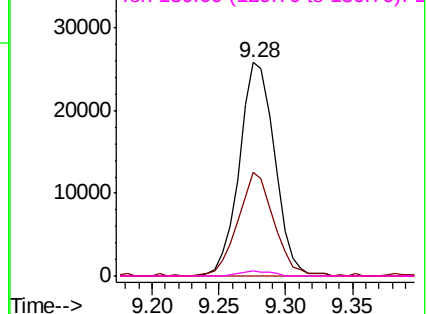
42 48.8 53.9 80.9#

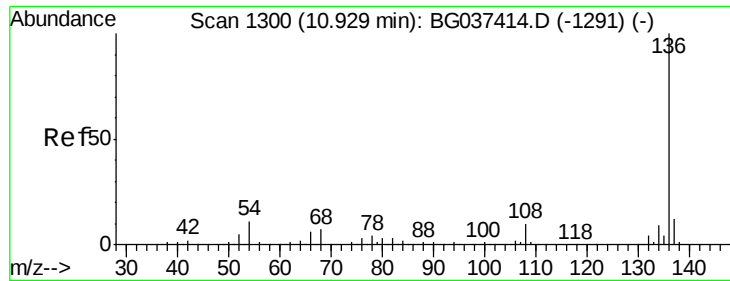
101 0.0 8.2 12.2#

130 2.6 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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

Instrument :

BNA_G

ClientSampleId :

VB44949

Tot Ion:136 Resp: 257337

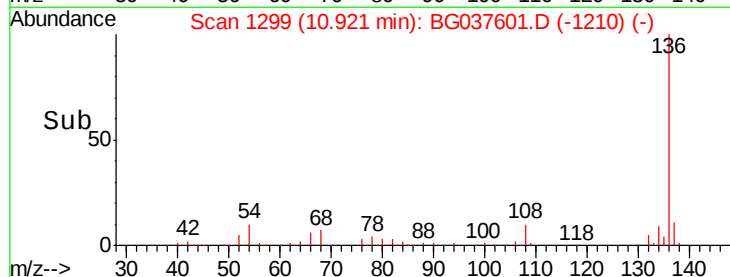
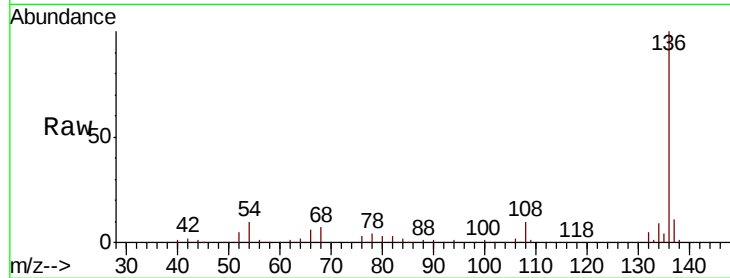
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 10.3 7.9 11.9

68 7.1 4.8 7.2

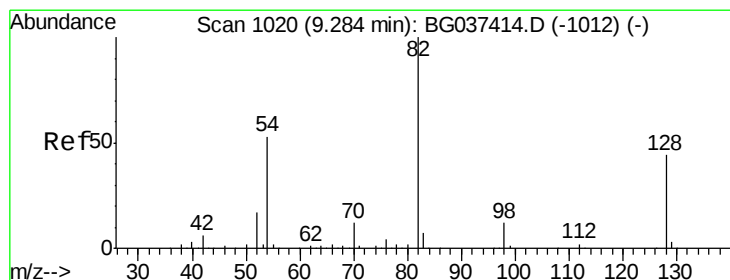
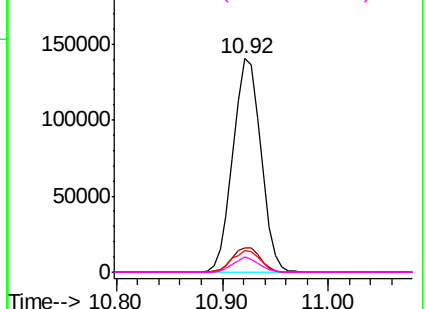


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 80.959 ng

RT: 9.28 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

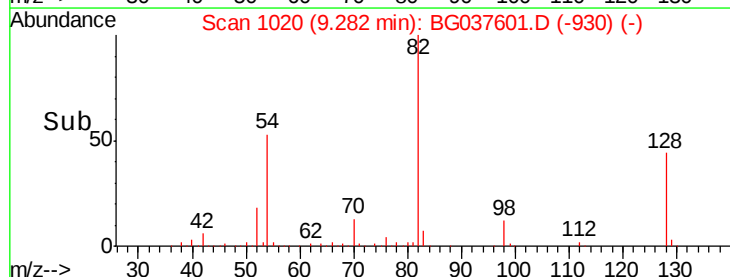
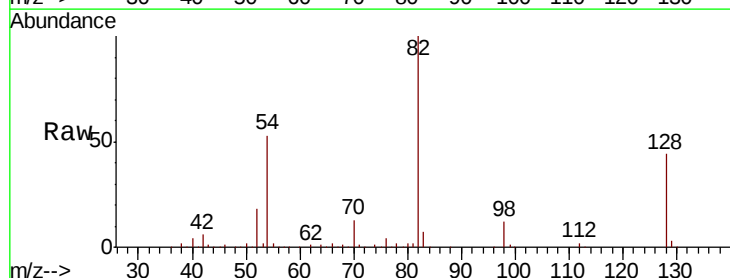
Tgt Ion: 82 Resp: 371905

Ion Ratio Lower Upper

82 100

128 44.2 34.6 51.8

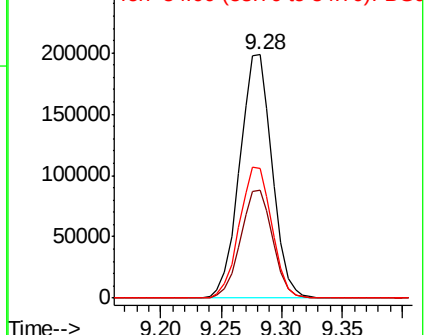
54 53.2 45.3 67.9

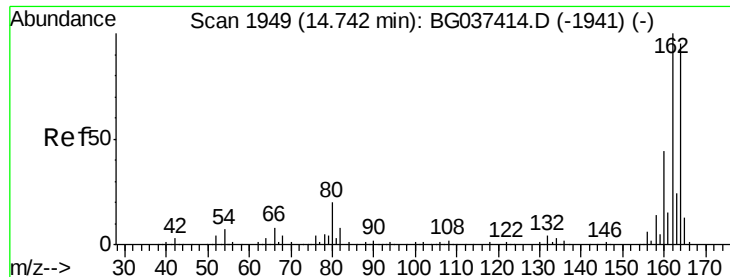


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

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: BG037601.D

Acq: 27 Oct 2018 4:17

Instrument :

BNA_G

ClientSampleId :

VB44949

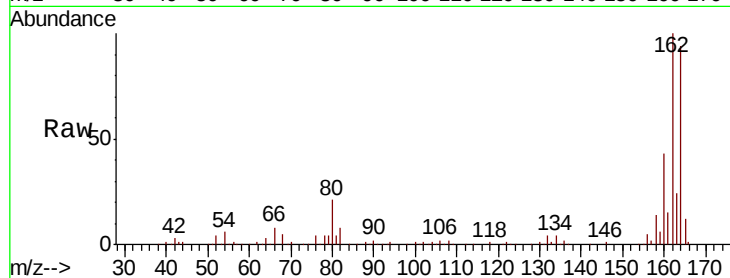
Tot Ion:164 Resp: 172297

Ion Ratio Lower Upper

164 100

162 106.4 81.3 121.9

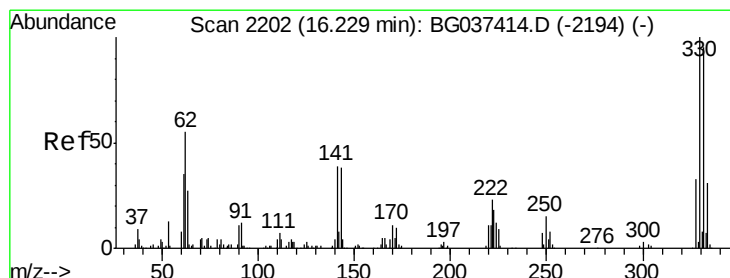
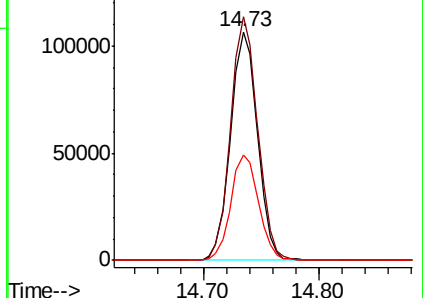
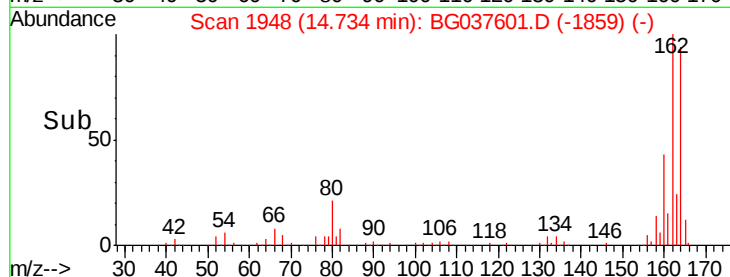
160 45.8 36.3 54.5



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: 111.512 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

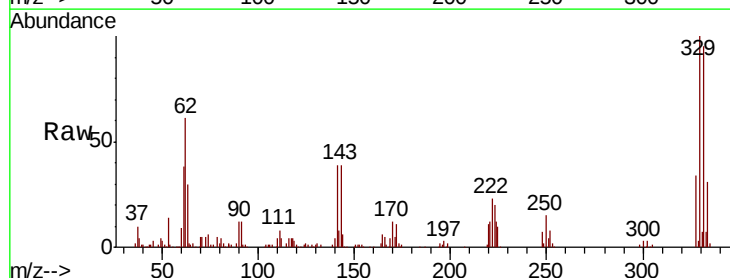
Tgt Ion:330 Resp: 209557

Ion Ratio Lower Upper

330 100

332 96.3 78.4 117.6

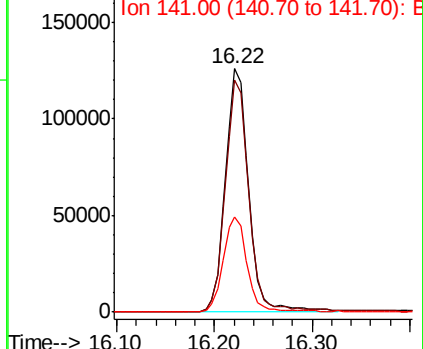
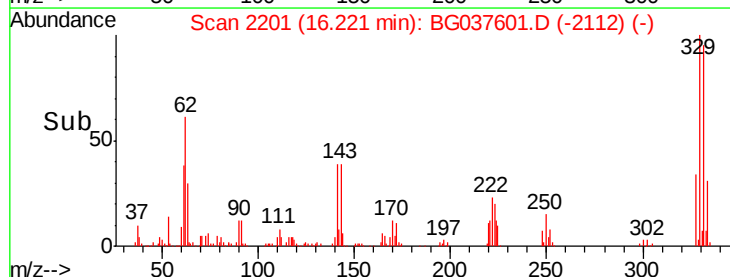
141 40.0 32.2 48.2

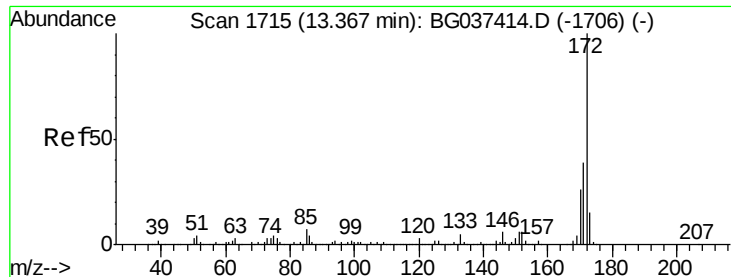


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

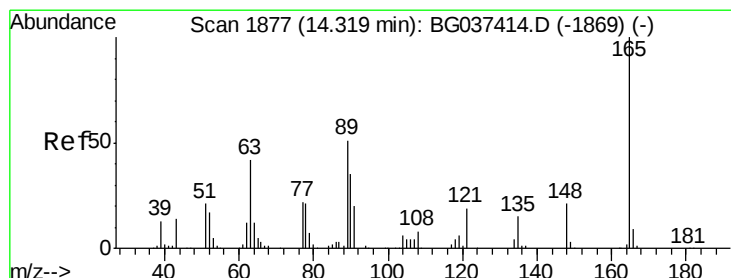
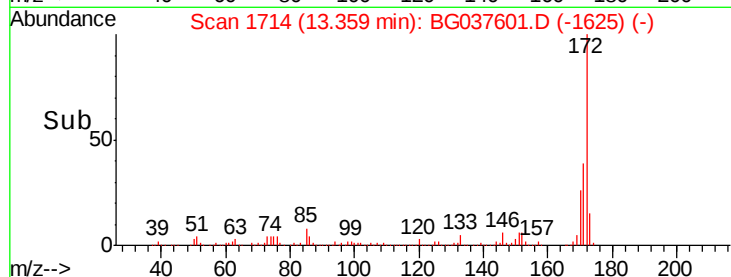
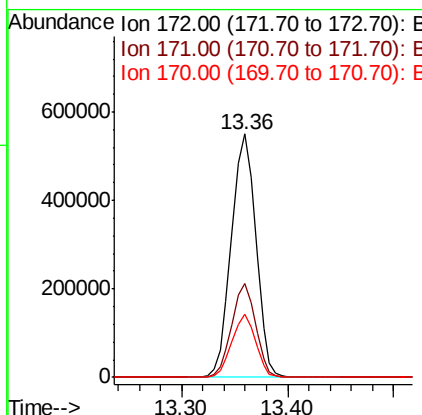
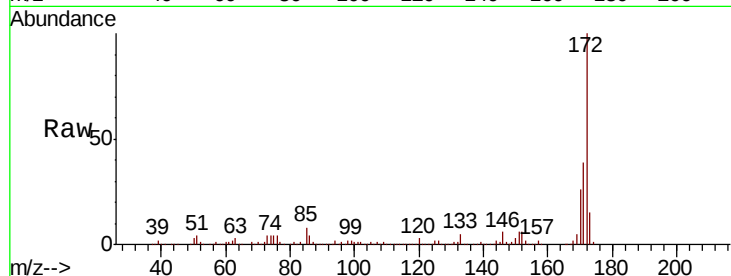




#45
 2-Fluorobiphenyl
 Concen: 77.467 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

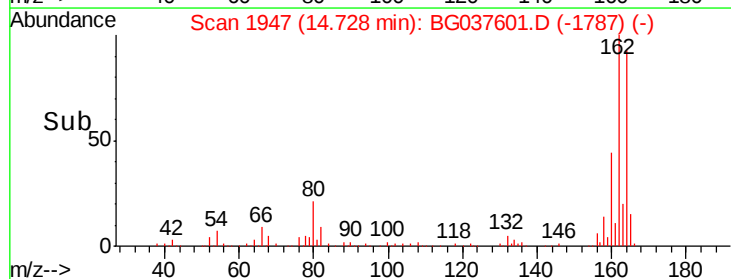
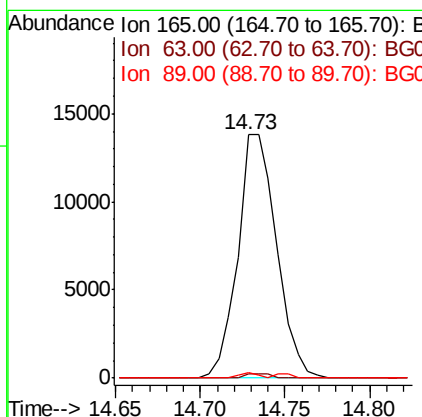
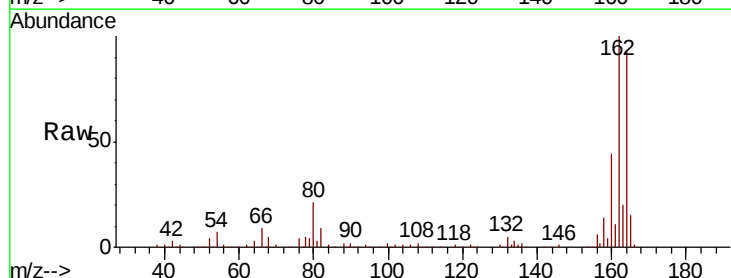
Instrument :
 BNA_G
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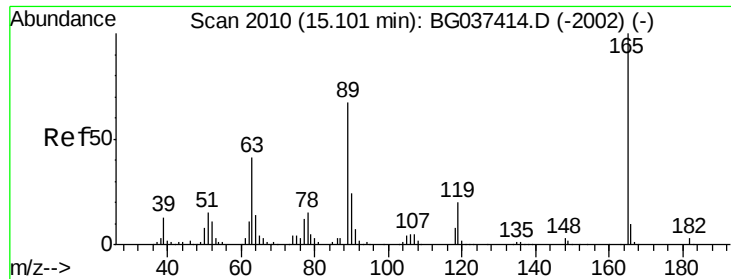
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.0	46.4
170	25.7	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.481 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	43.4	65.2#
89	2.3	45.8	68.6#

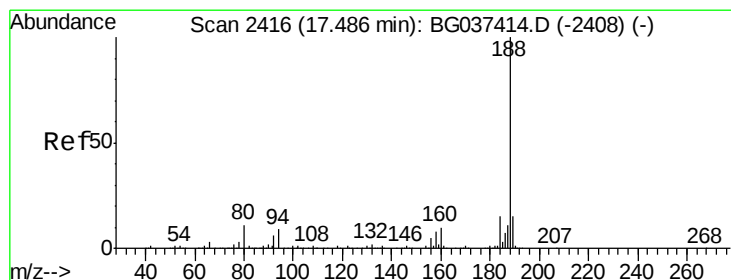
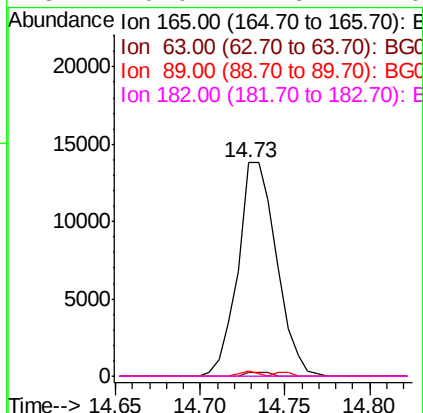
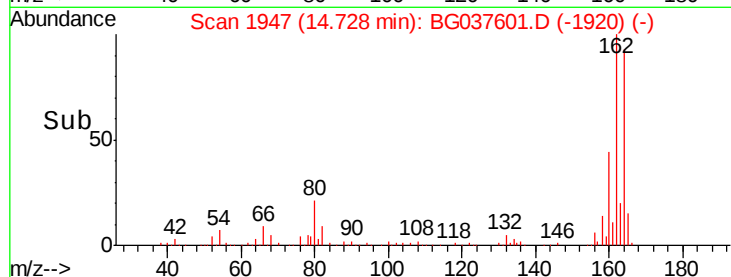
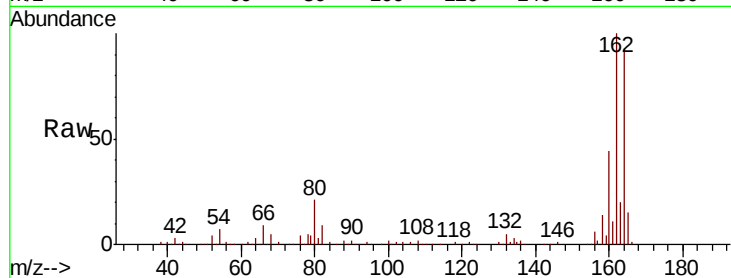




#57
 2,4-Dinitrotoluene
 Concen: 5.699 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

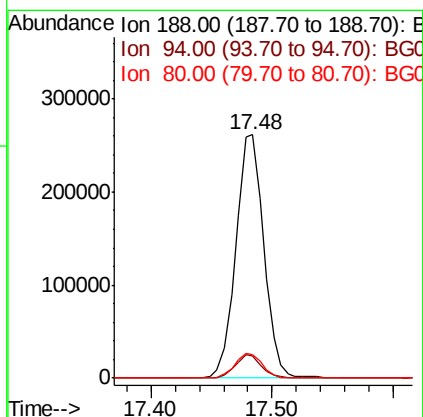
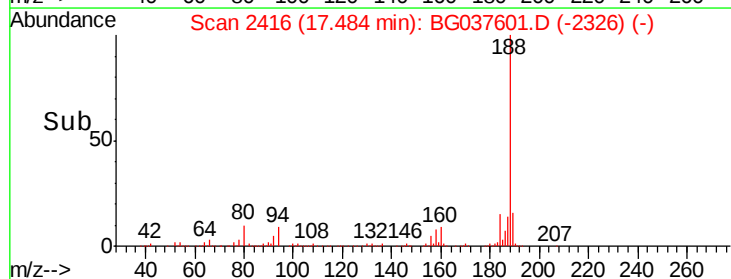
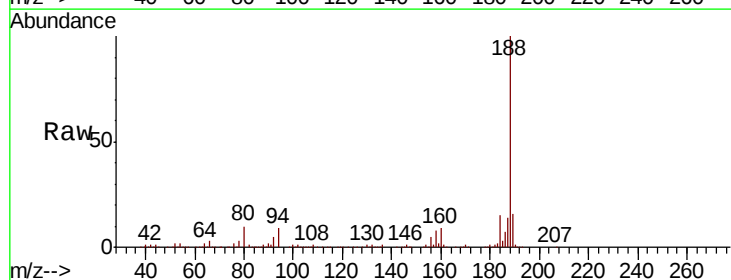
Instrument :
 BNA_G
 ClientSampleId :
 VB44949

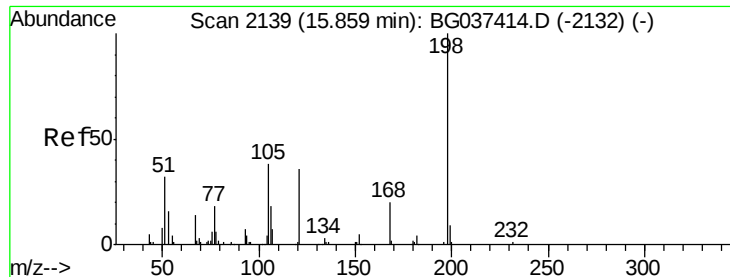
Tot Ion:165	Resp:	22059
Ion Ratio	Lower	Upper
165	100	
63	2.0	33.4 50.0#
89	2.3	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

Tgt Ion:188	Resp:	422252
Ion Ratio	Lower	Upper
188	100	
94	8.9	7.2 10.8
80	9.6	7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.769 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

Instrument :

BNA_G

ClientSampleId :

VB44949

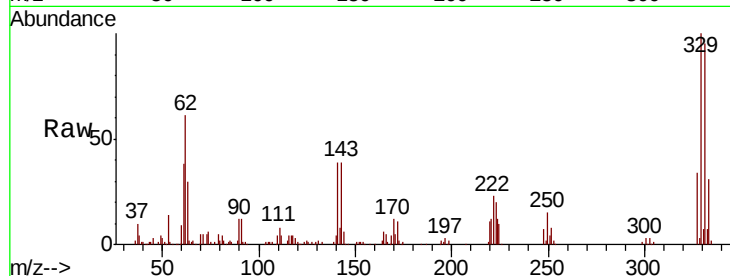
Tot Ion:198 Resp: 703

Ion Ratio Lower Upper

198 100

51 31.6 22.7 62.7

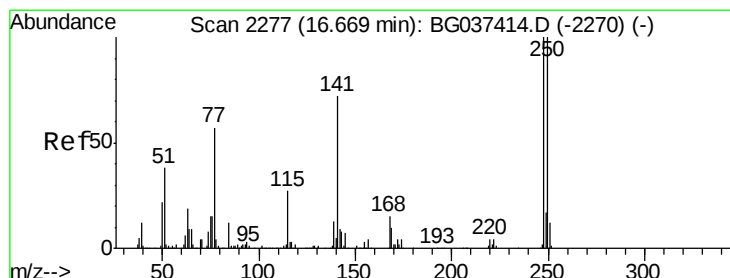
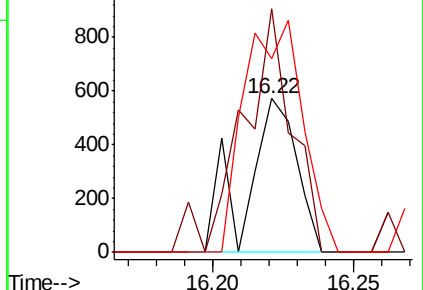
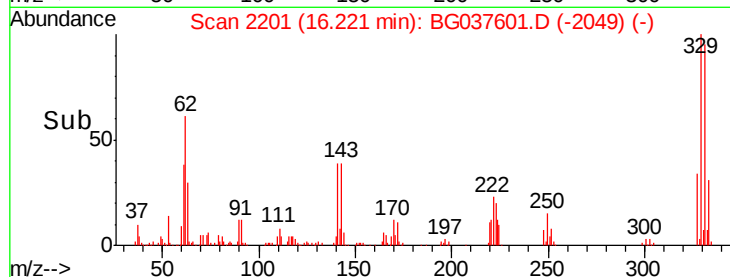
105 25.2 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.191 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037601.D

Acq: 27 Oct 2018 4:17

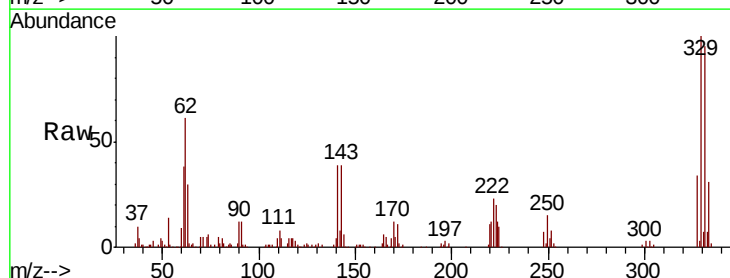
Tgt Ion:248 Resp: 14795

Ion Ratio Lower Upper

248 100

250 194.9 77.0 115.6#

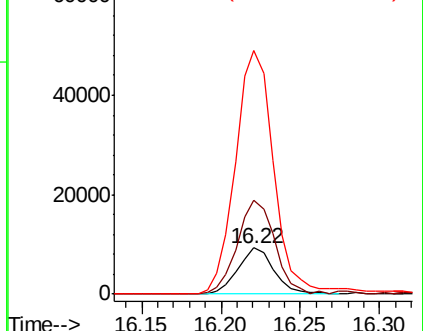
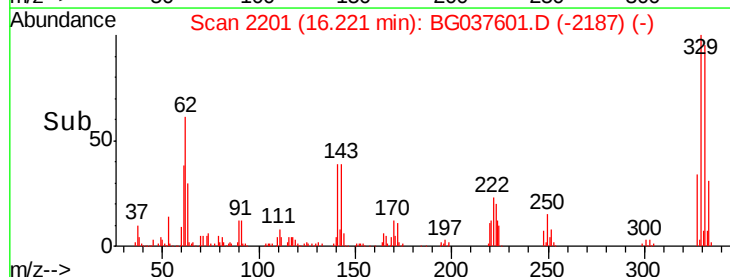
141 398.2 55.5 83.3#

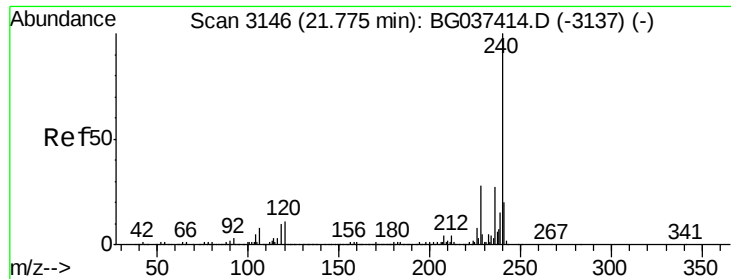


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

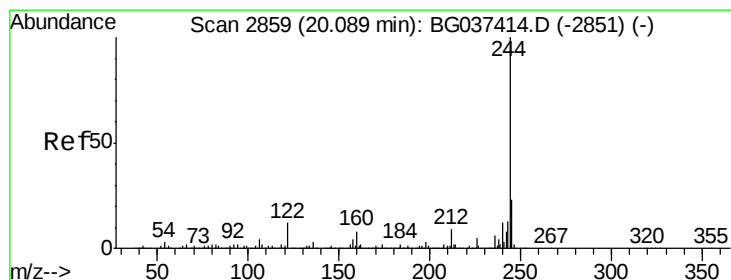
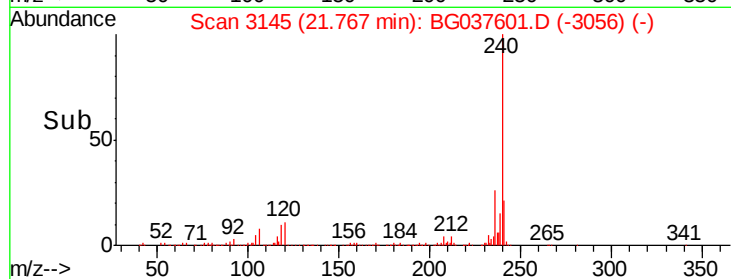
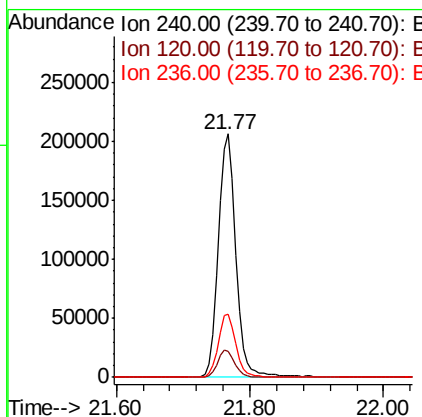
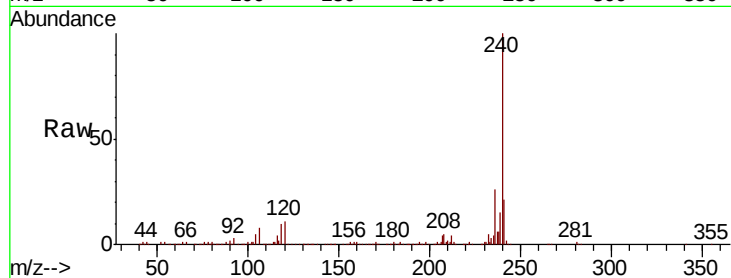




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

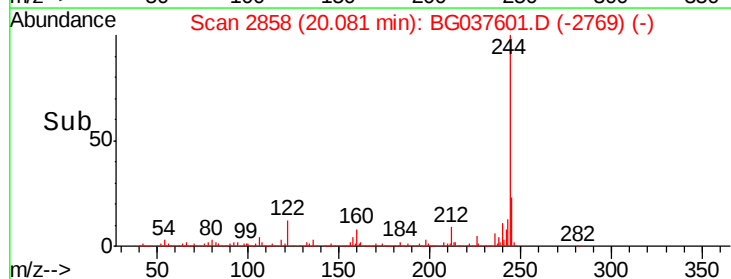
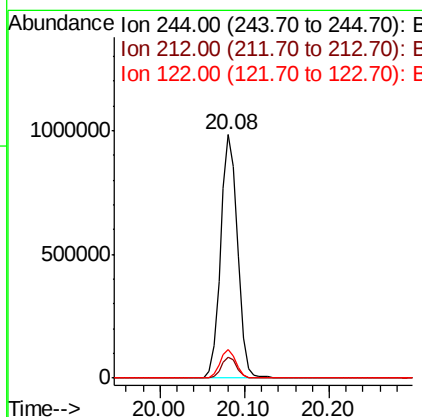
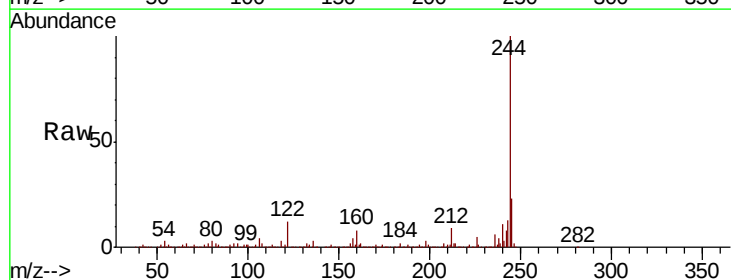
Instrument :
 BNA_G
 ClientSampleId :
 VB44949

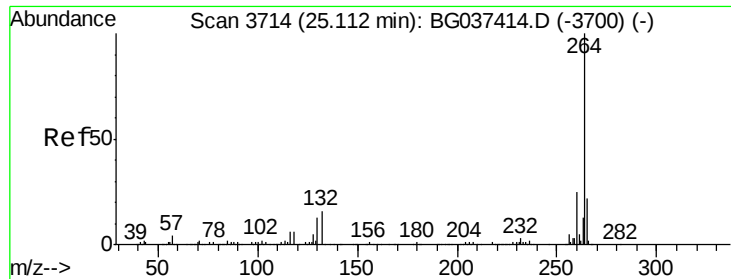
Tot Ion:240 Resp: 385311
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.1 12.1
 236 26.2 21.4 32.0



#79
 Terphenyl-d14
 Concen: 76.379 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037601.D
 Acq: 27 Oct 2018 4:17

Tgt Ion:244 Resp: 1377302
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.5 9.7
 122 11.8 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037601.D
Acq: 27 Oct 2018 4:17

Instrument :
BNA_G
ClientSampleId :
VB44949

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	20.9	17.9	26.9

