

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
 Data File : BG037764.D
 Acq On : 2 Nov 2018 21:17
 Operator : JU/SJ
 Sample : PB114420BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 03 02:30:23 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

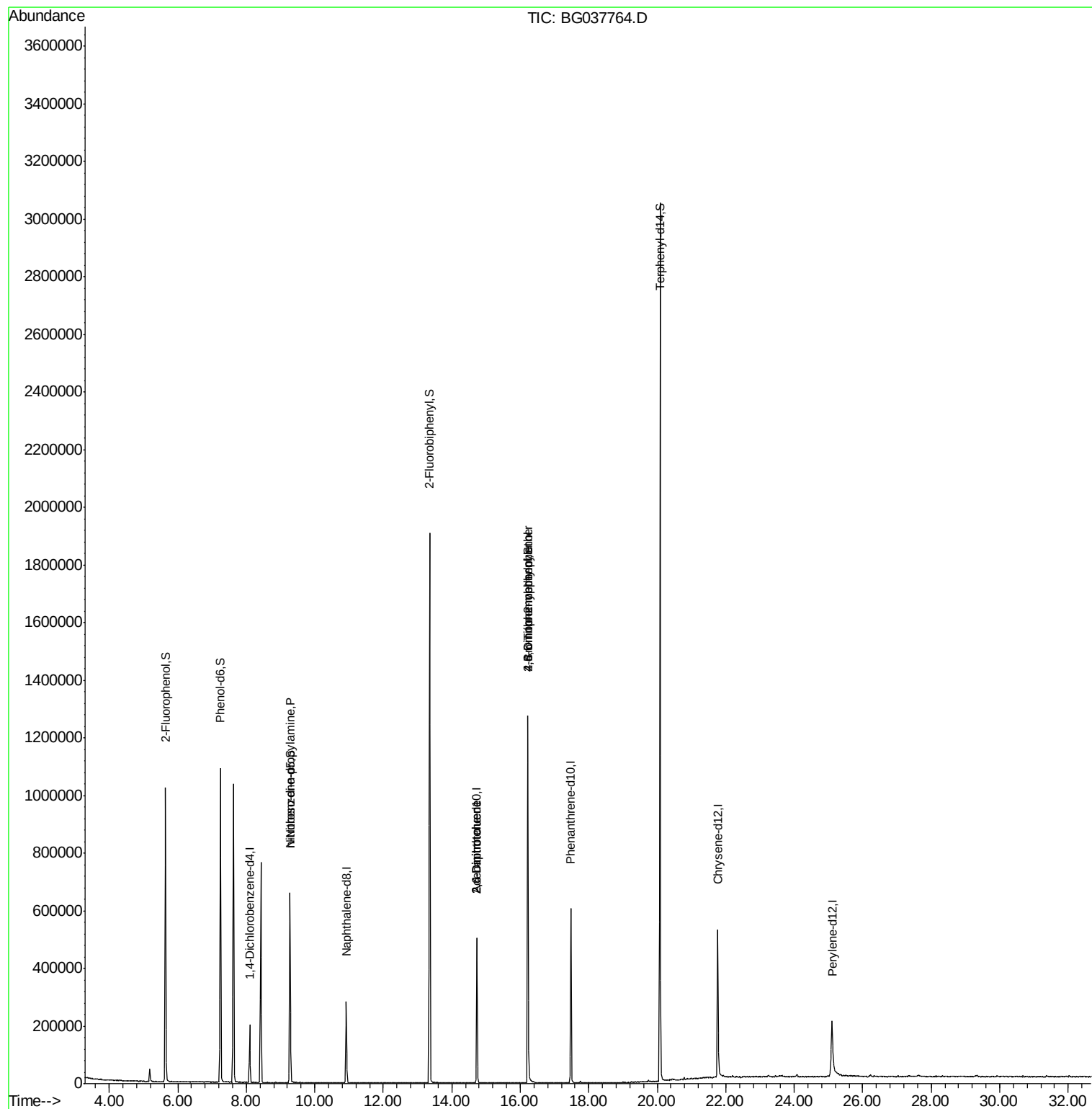
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	60554	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	267016	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	180544	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	396797	20.00	ng	0.00
76) Chrysene-d12	21.77	240	366338	20.00	ng	0.00
87) Perylene-d12	25.10	264	309151	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	479847	132.48	ng	0.00
7) Phenol-d6	7.24	99	699729	127.76	ng	0.00
23) Nitrobenzene-d5	9.28	82	417744	87.64	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	246419	125.14	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1061820	88.69	ng	-0.01
79) Terphenyl-d14	20.08	244	1493832	87.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	52671	13.966	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	22755	7.364	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	22755	5.610	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.21	198	733	8.797	ng	86
67) 4-Bromophenyl-phenylether	16.22	248	18238	4.185	ng	# 1

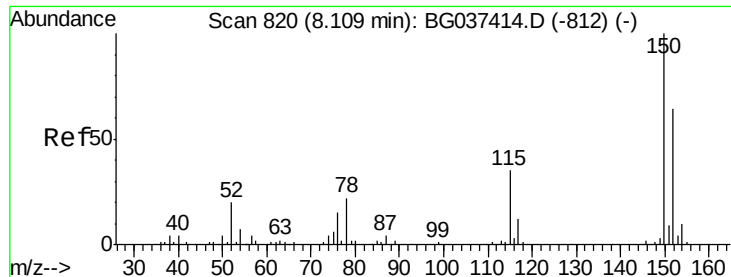
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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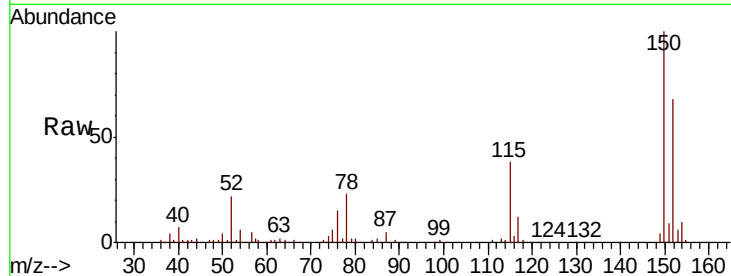


#1

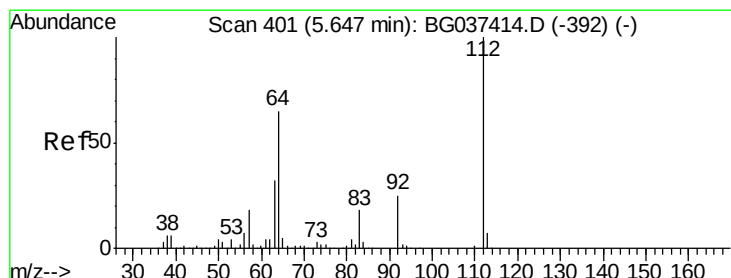
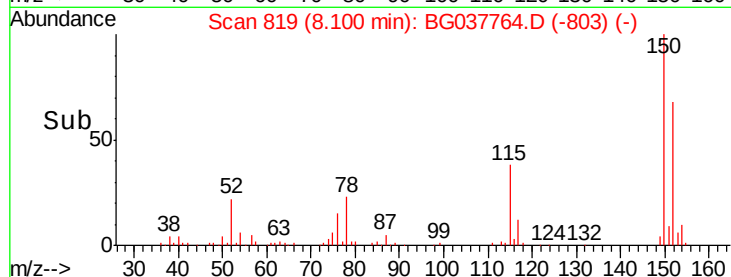
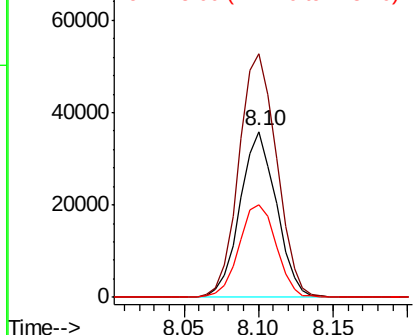
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60554
Ion Ratio Lower Upper
152 100
150 146.8 126.0 189.0
115 55.5 45.5 68.3



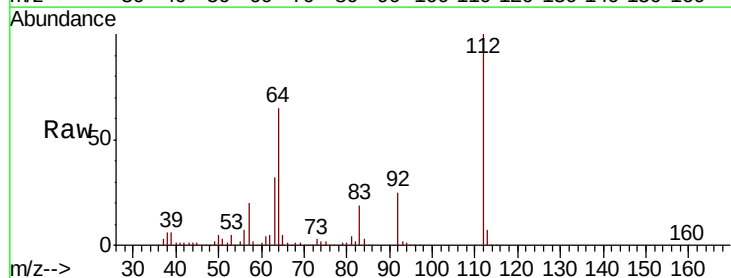
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



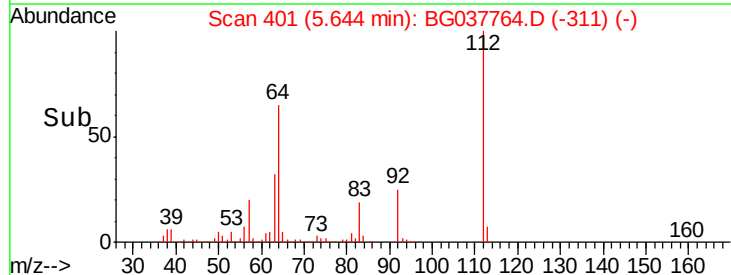
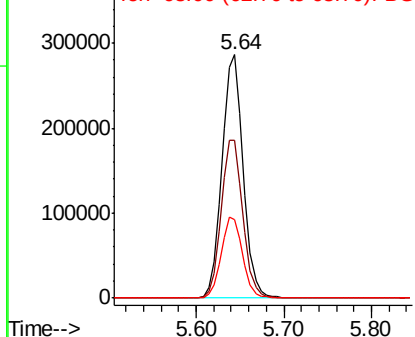
#5

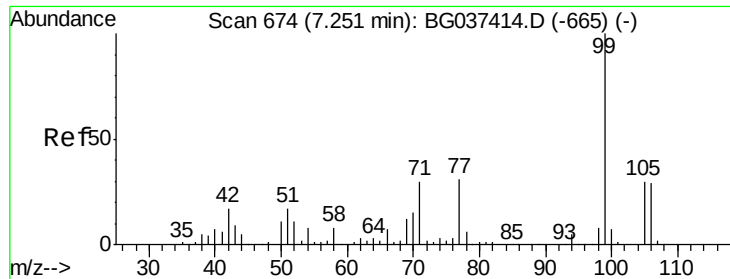
2-Fluorophenol
Concen: 132.482 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Tgt Ion:112 Resp: 479847
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 32.3 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: 127.761 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037764.D

Acq: 2 Nov 2018 21:17

Instrument :

BNA_G

ClientSampleId :

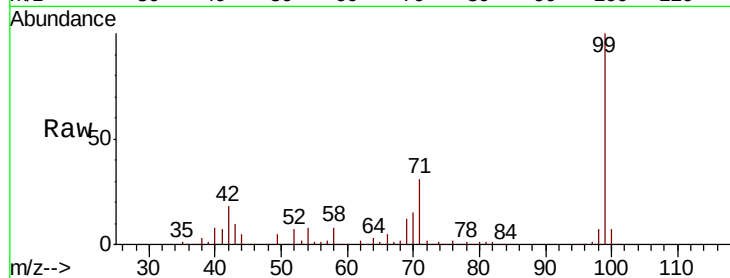
Tot Ion: 99 Resp: 699729

Ion Ratio Lower Upper

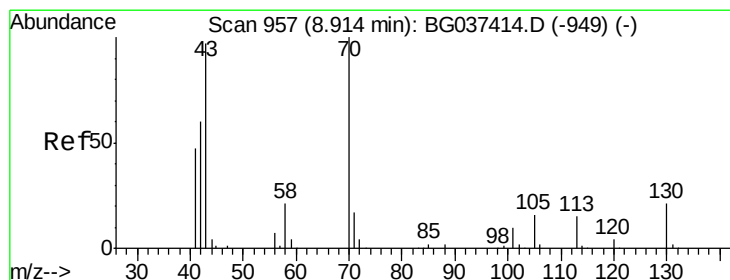
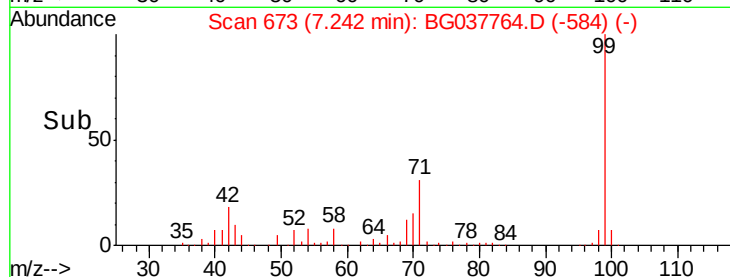
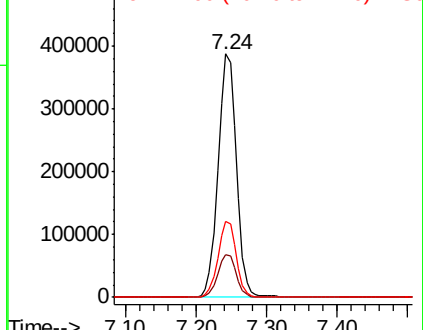
99 100

42 17.6 15.0 22.4

71 31.3 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: 13.966 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037764.D

Acq: 2 Nov 2018 21:17

Tgt Ion: 70 Resp: 52671

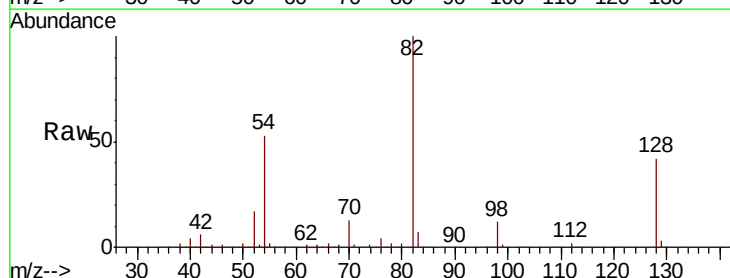
Ion Ratio Lower Upper

70 100

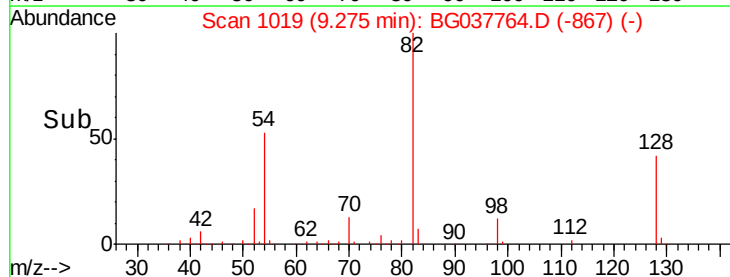
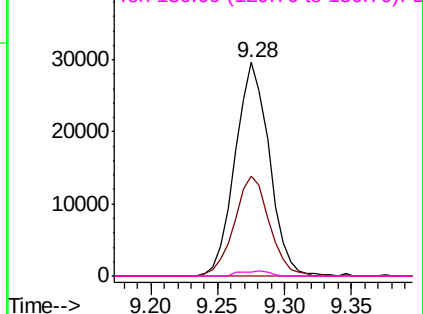
42 46.6 53.9 80.9#

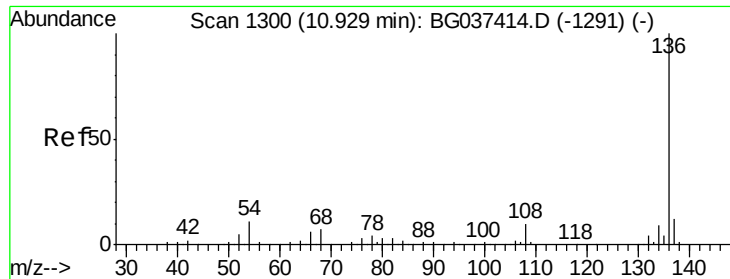
101 0.0 8.2 12.2#

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

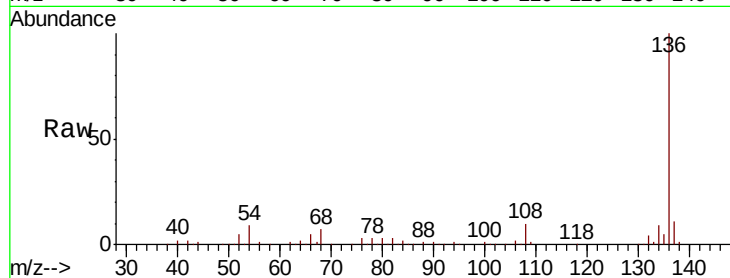




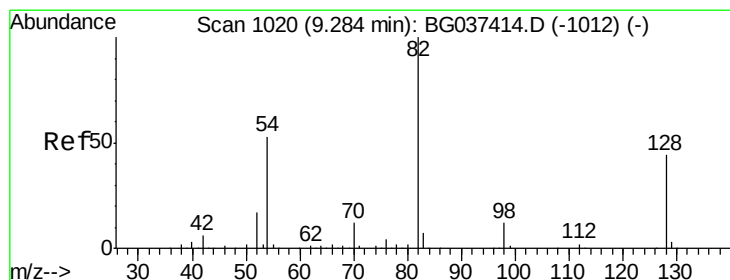
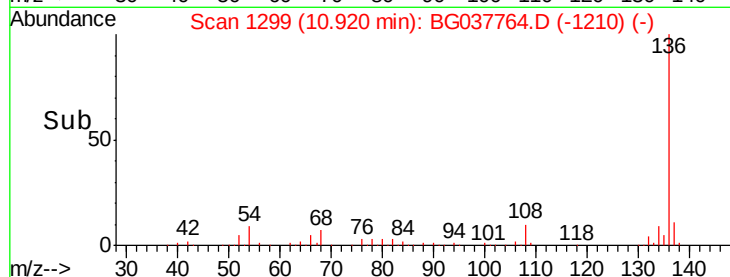
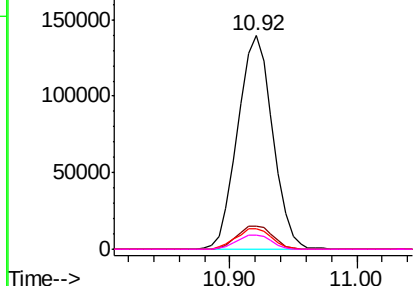
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 267016
Ion Ratio	Lower Upper
136 100	
137 10.7	9.6 14.4
54 9.4	7.9 11.9
68 6.5	4.8 7.2

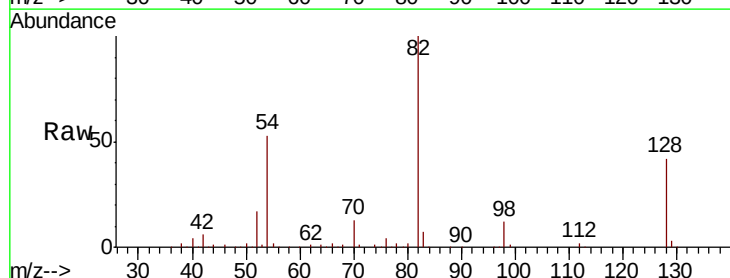


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

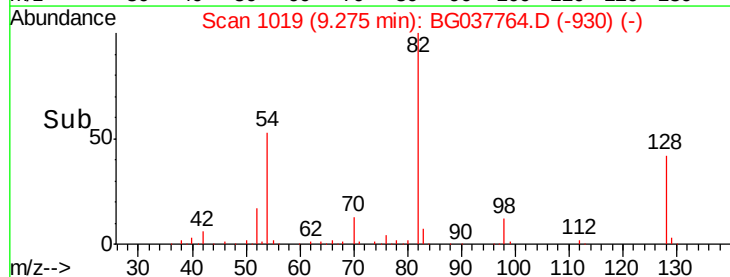
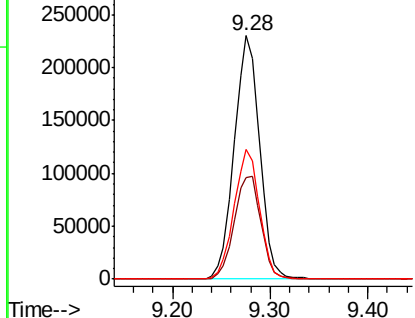


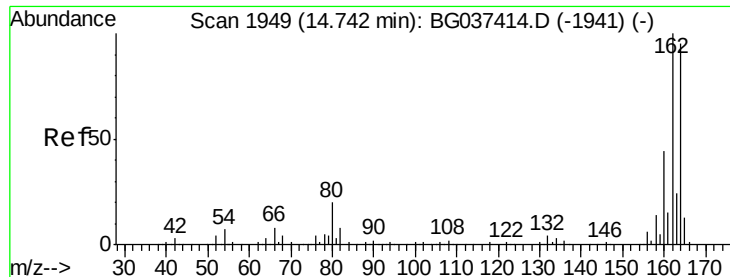
#23
Nitrobenzene-d5
Concen: 87.641 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Tgt Ion: 82	Resp: 417744
Ion Ratio	Lower Upper
82 100	
128 41.9	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: BG037764.D

Acq: 2 Nov 2018 21:17

Instrument :

BNA_G

ClientSampleId :

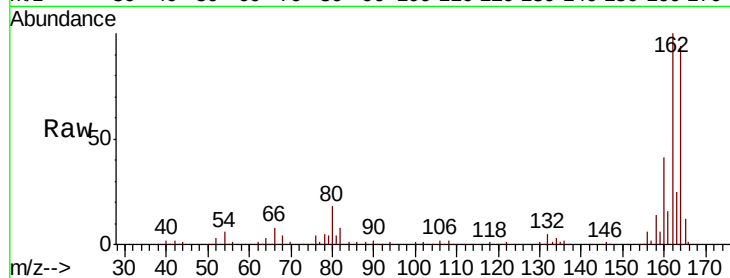
Tot Ion:164 Resp: 180544

Ion Ratio Lower Upper

164 100

162 106.8 81.3 121.9

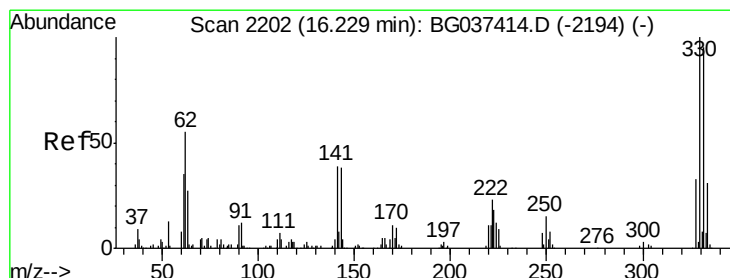
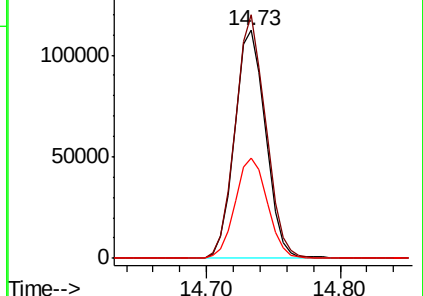
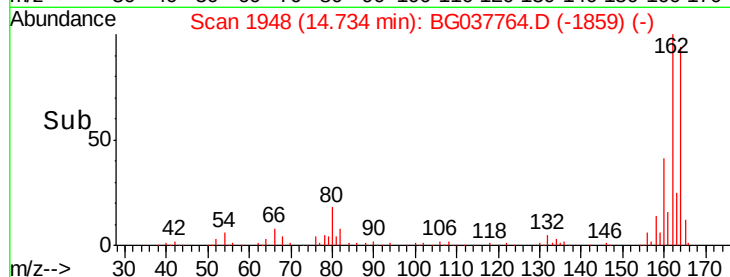
160 44.0 36.3 54.5



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: 125.138 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037764.D

Acq: 2 Nov 2018 21:17

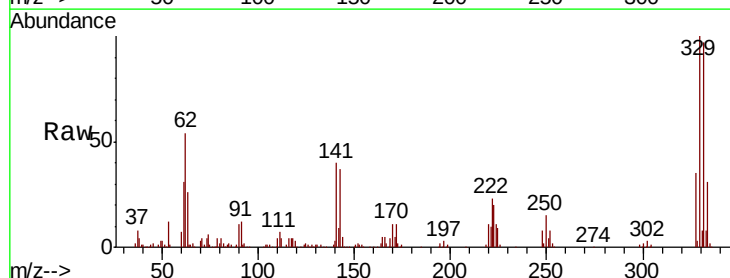
Tgt Ion:330 Resp: 246419

Ion Ratio Lower Upper

330 100

332 97.9 78.4 117.6

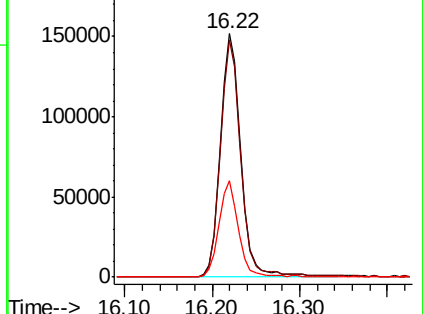
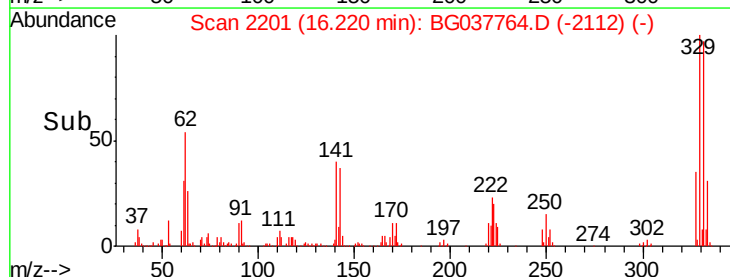
141 38.0 32.2 48.2

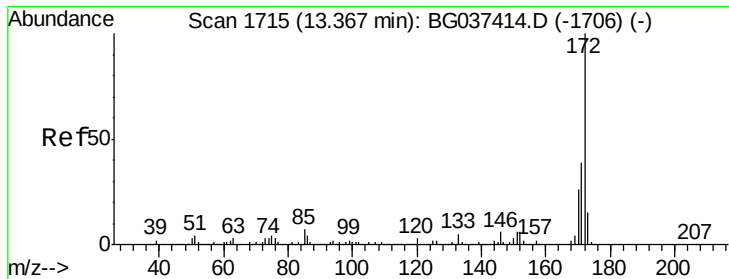


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

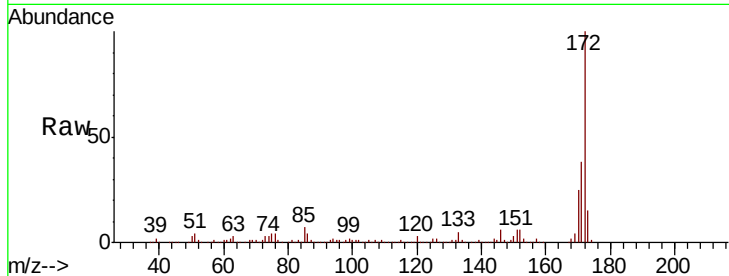




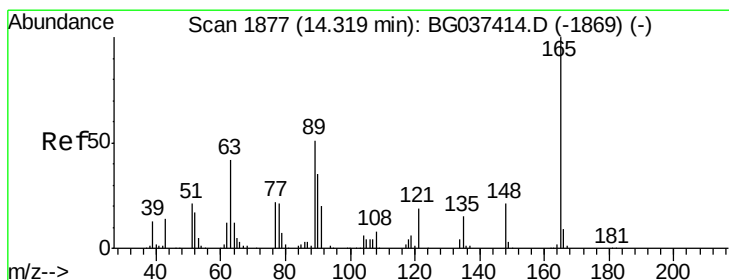
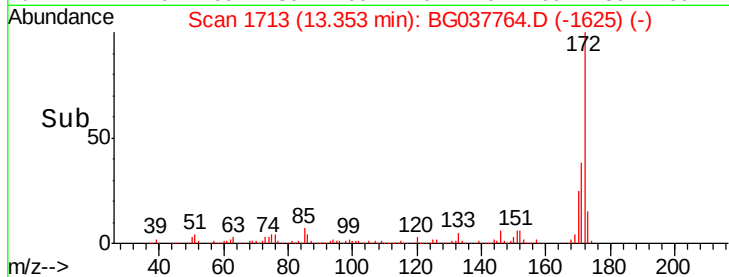
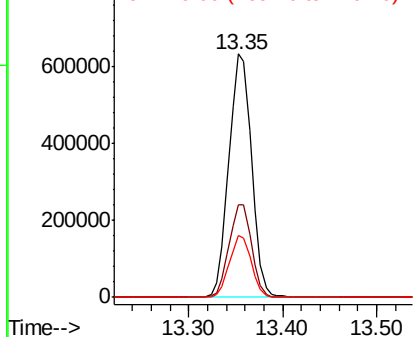
#45
2-Fluorobiphenyl
Concen: 88.686 ng
RT: 13.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1061820
Ion Ratio Lower Upper
172 100
171 38.1 31.0 46.4
170 25.3 20.2 30.2

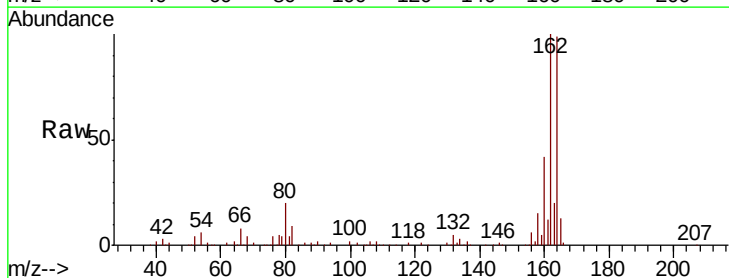


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

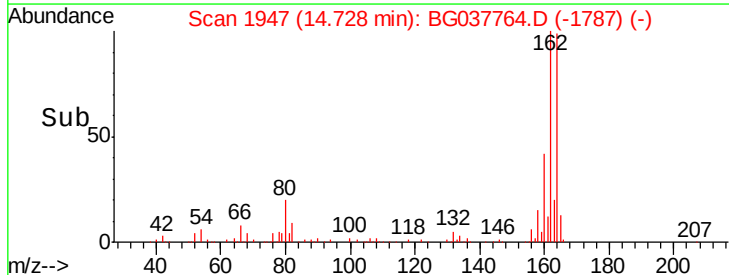
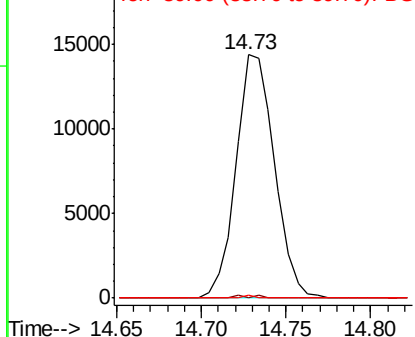


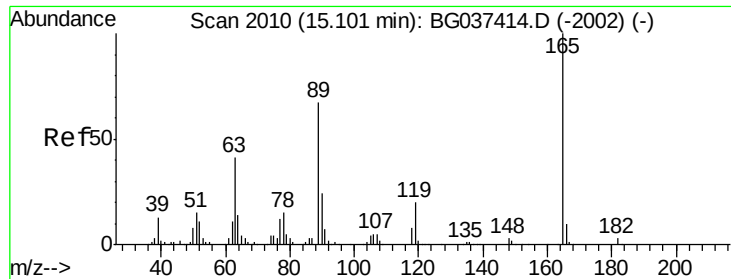
#51
2,6-Dinitrotoluene
Concen: 7.364 ng
RT: 14.73 min Scan# 1947
Delta R.T. 0.41 min
Lab File: BG037764.D
Acq: 2 Nov 2018 21:17

Tgt Ion:165 Resp: 22755
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 1.1 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

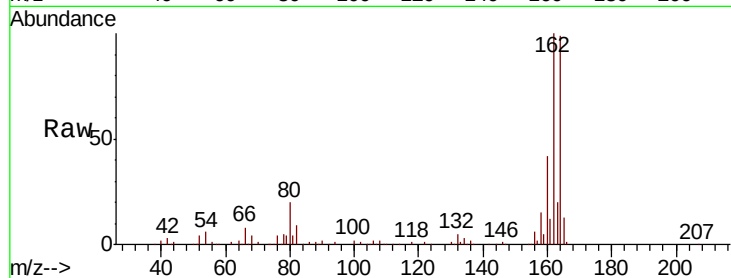




#57
 2,4-Dinitrotoluene
 Concen: 5.610 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037764.D
 Acq: 2 Nov 2018 21:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.1	57.2	85.8#
182	0.0	2.6	4.0#

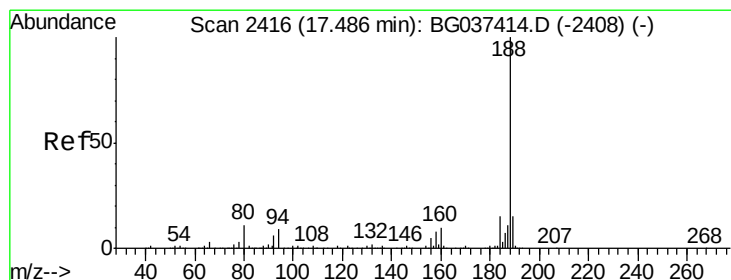
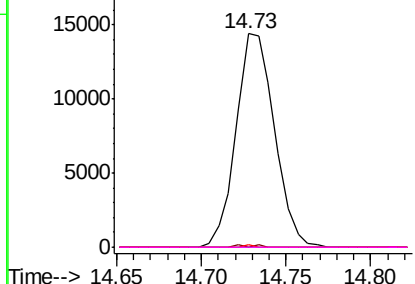
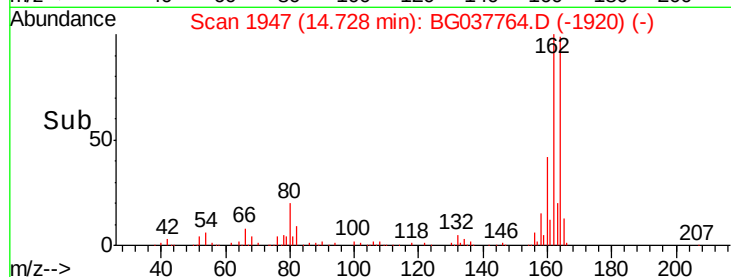


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

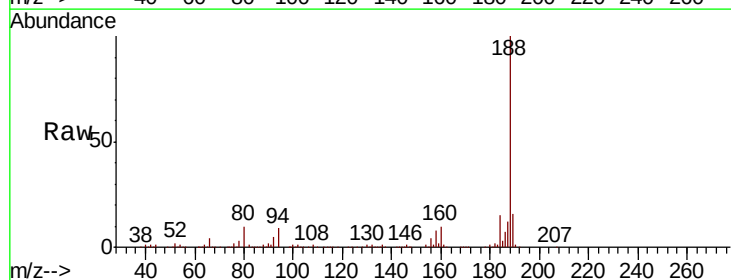
Ion 89.00 (88.70 to 89.70): BGC

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: BG037764.D
 Acq: 2 Nov 2018 21:17

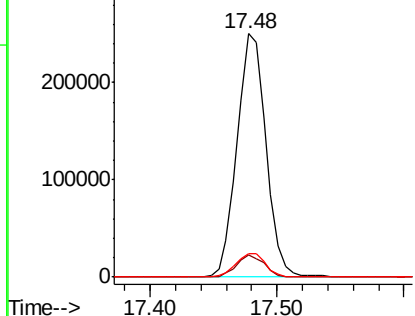
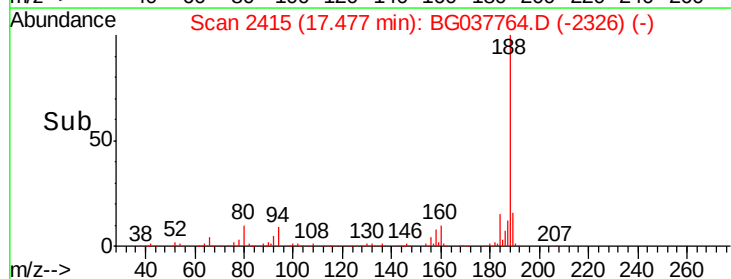
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.6	7.7	11.5

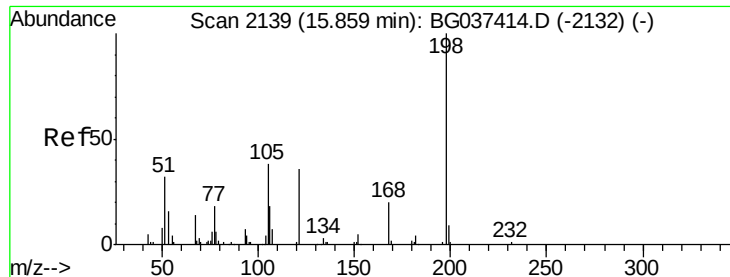


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.797 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037764.D

Acq: 2 Nov 2018 21:17

Instrument :

BNA_G

ClientSampleId :

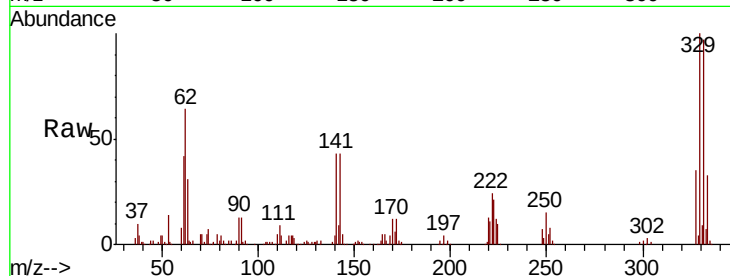
Tot Ion:198 Resp: 733

Ion Ratio Lower Upper

198 100

51 33.3 22.7 62.7

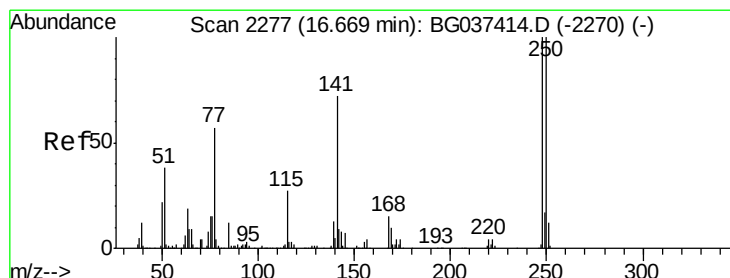
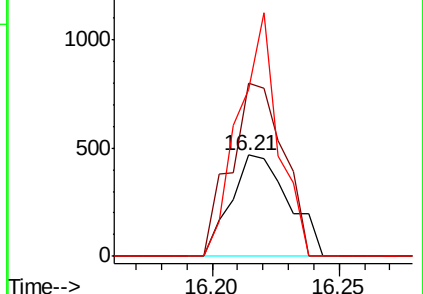
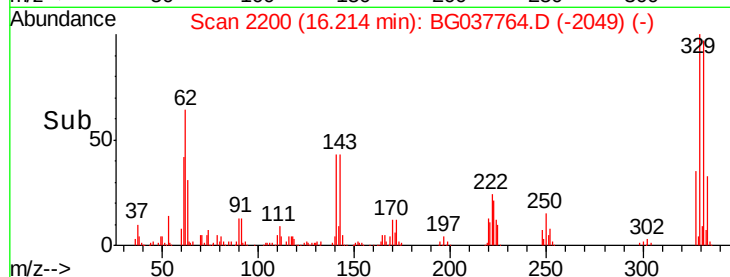
105 31.9 19.7 59.7



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: 4.185 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037764.D

Acq: 2 Nov 2018 21:17

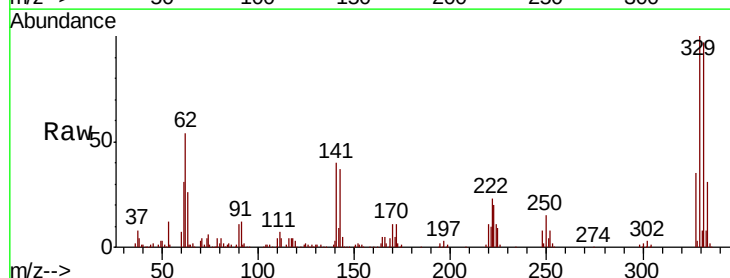
Tgt Ion:248 Resp: 18238

Ion Ratio Lower Upper

248 100

250 185.3 77.0 115.6#

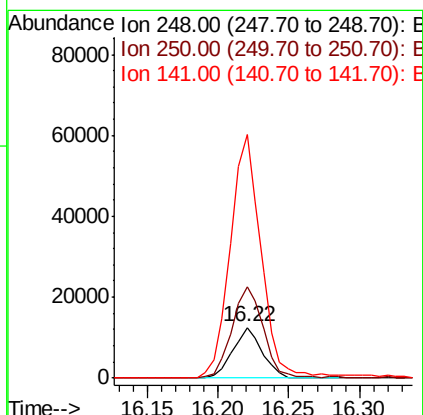
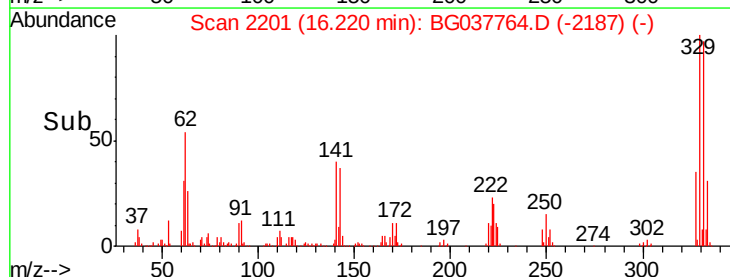
141 384.7 55.5 83.3#

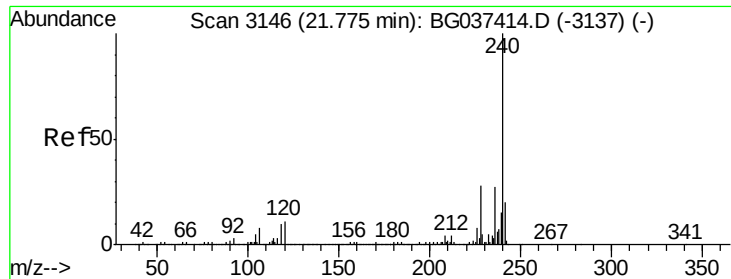


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

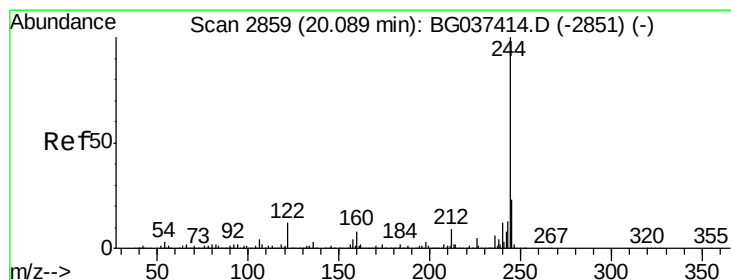
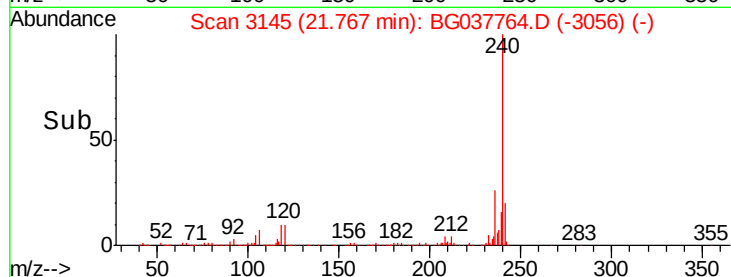
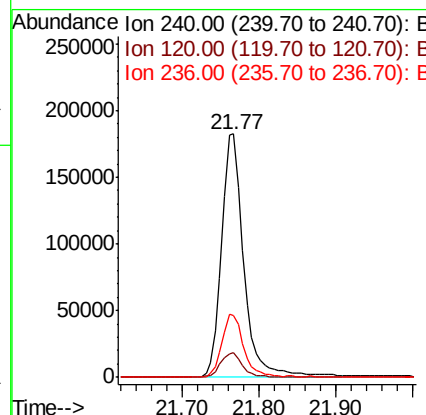
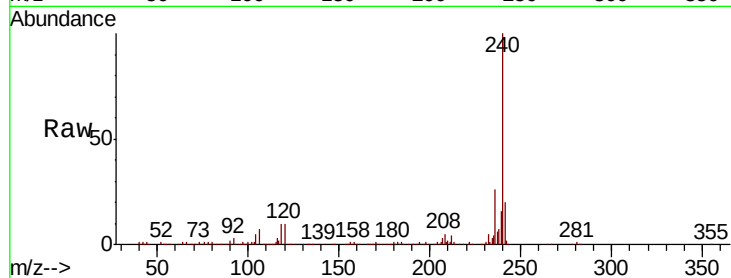




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037764.D
 Acq: 2 Nov 2018 21:17

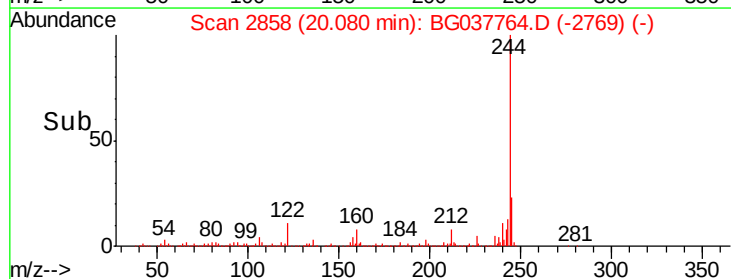
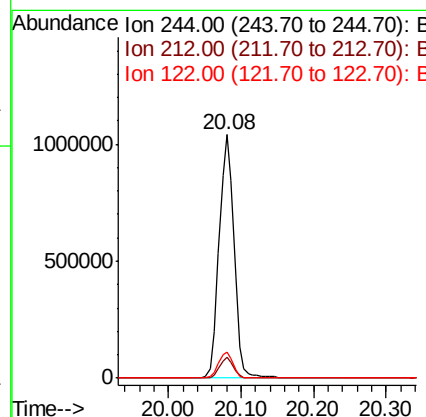
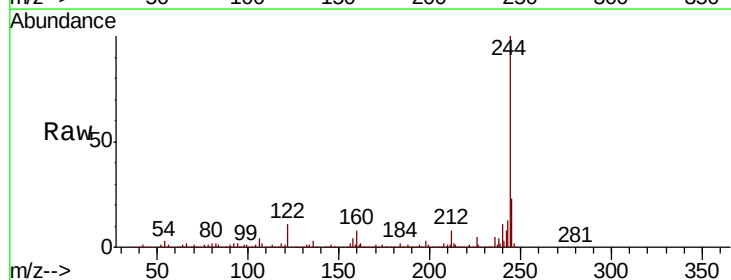
Instrument :
 BNA_G
 ClientSampled :

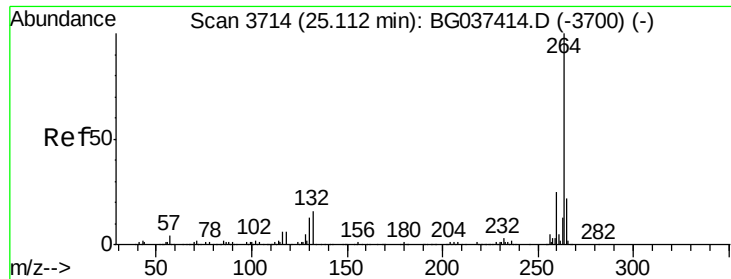
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.1	12.1
236	25.5	21.4	32.0



#79
 Terphenyl-d14
 Concen: 87.132 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037764.D
 Acq: 2 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	10.8	9.0	13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG037764.D
 Acq: 2 Nov 2018 21:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	23.1	17.9	26.9

