

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102418\
 Data File : BG037534.D
 Acq On : 25 Oct 2018 6:34
 Operator : JU/SJ
 Sample : J5623-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 25 08:03:02 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

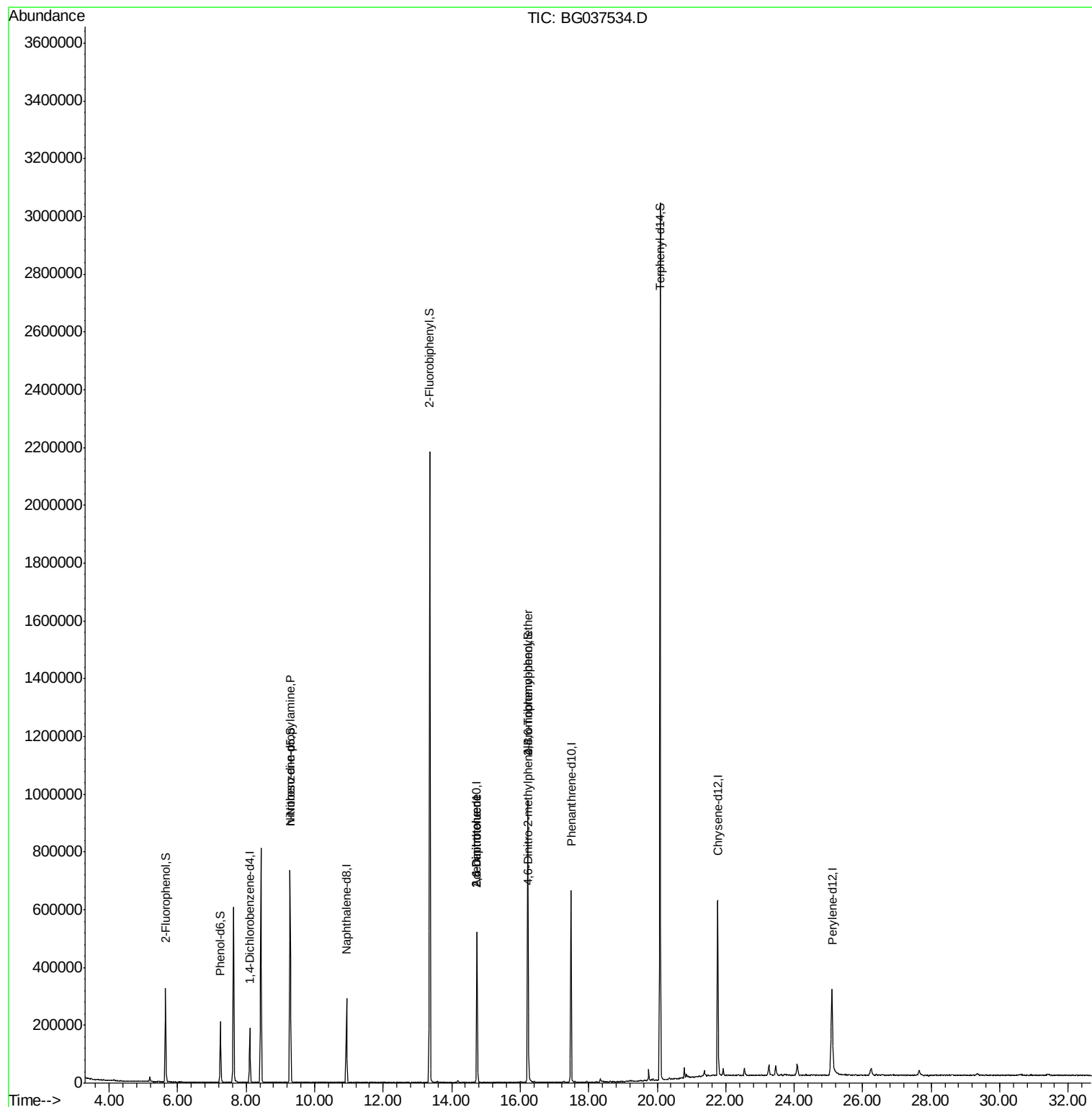
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	56518	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	266175	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	184814	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	437123	20.00	ng	0.00
76) Chrysene-d12	21.76	240	395678	20.00	ng	-0.01
87) Perylene-d12	25.10	264	385412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	153901	45.53	ng	0.00
7) Phenol-d6	7.24	99	133405	26.10	ng	0.00
23) Nitrobenzene-d5	9.28	82	459801	96.77	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	177089	87.85	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1138329	92.88	ng	0.00
79) Terphenyl-d14	20.08	244	1471425	79.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	57360	16.295	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	22621	7.152	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	22621	5.448	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.24	198	250	8.597	ng	89
67) 4-Bromophenyl-phenylether	16.22	248	13671	2.848	ng	# 1

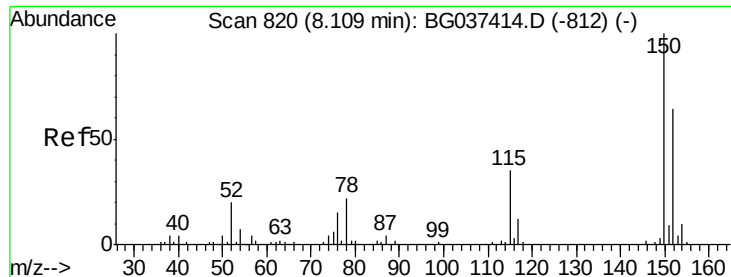
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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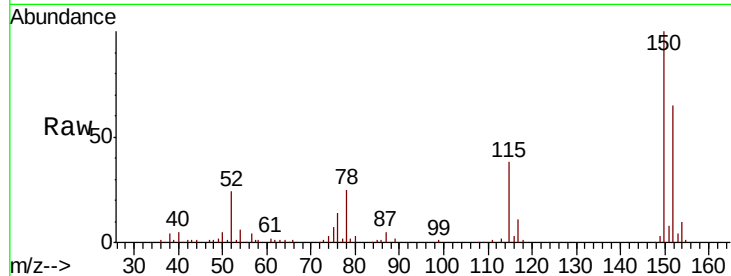


#1

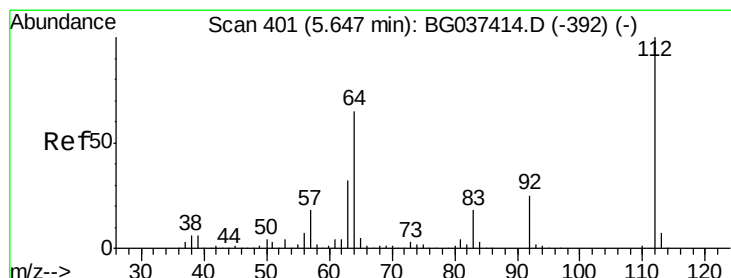
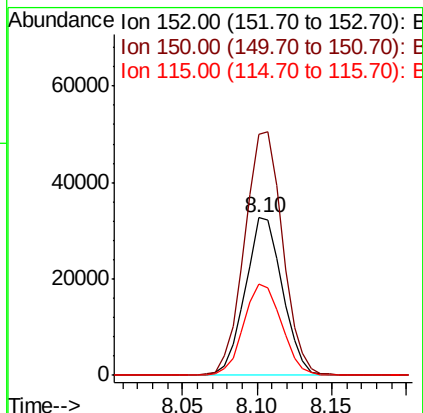
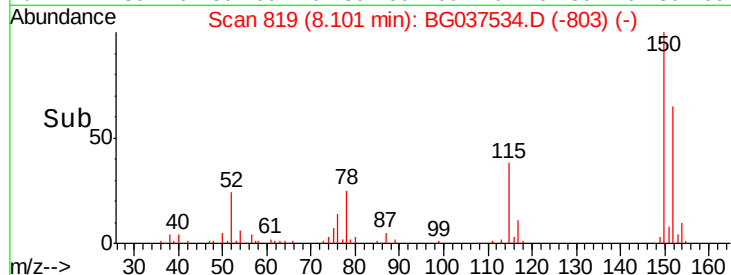
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BG037534.D
 Acq: 25 Oct 2018 6:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 56518
 Ion Ratio Lower Upper
 152 100
 150 153.3 126.0 189.0
 115 58.3 45.5 68.3



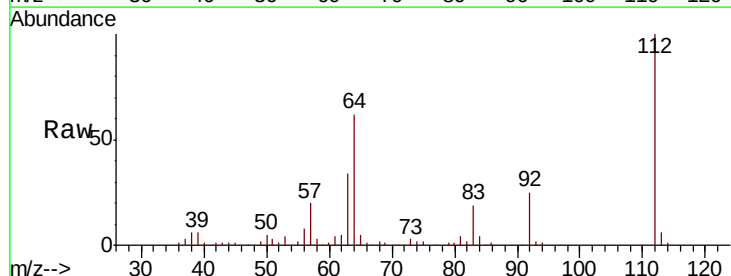
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



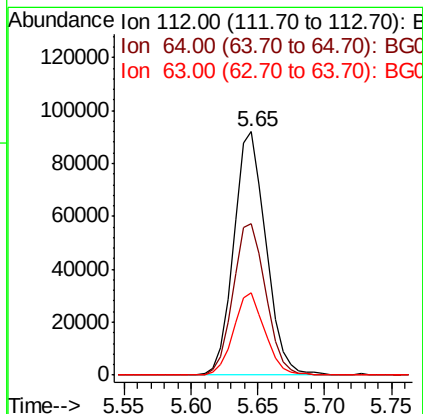
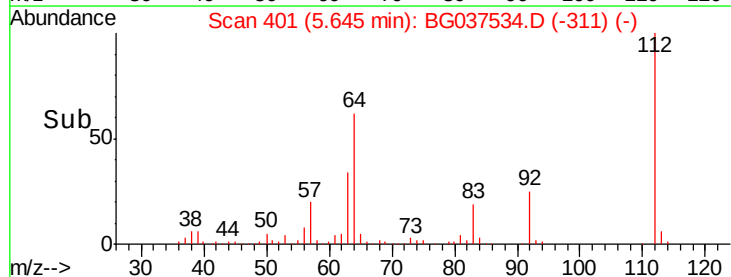
#5

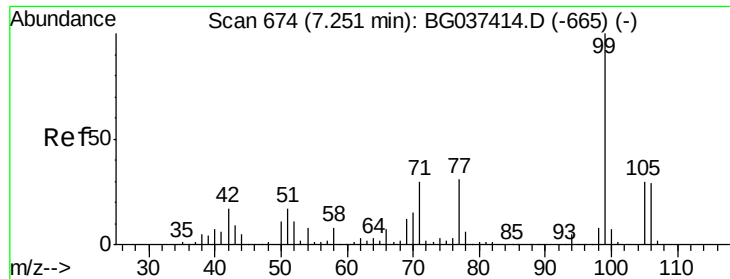
2-Fluorophenol
 Concen: 45.525 ng
 RT: 5.65 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BG037534.D
 Acq: 25 Oct 2018 6:34

Tgt Ion:112 Resp: 153901
 Ion Ratio Lower Upper
 112 100
 64 62.0 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): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 26.097 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037534.D

Acq: 25 Oct 2018 6:34

Instrument :

BNA_G

ClientSampled :

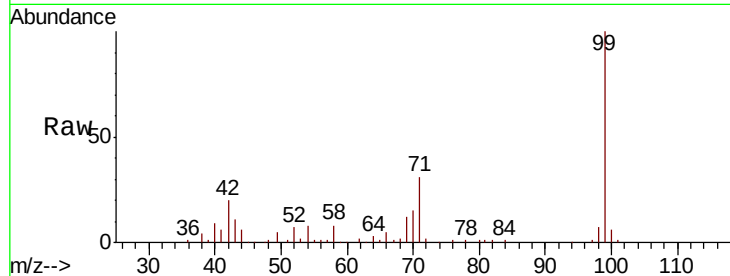
Tot Ion: 99 Resp: 133405

Ion Ratio Lower Upper

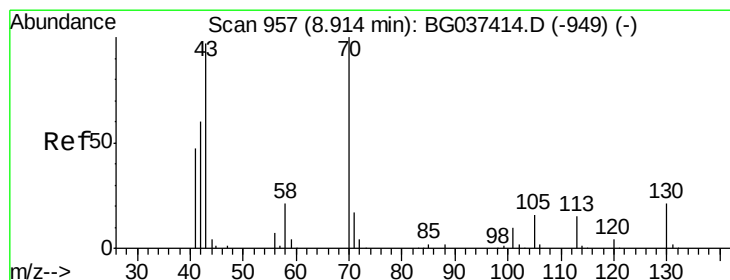
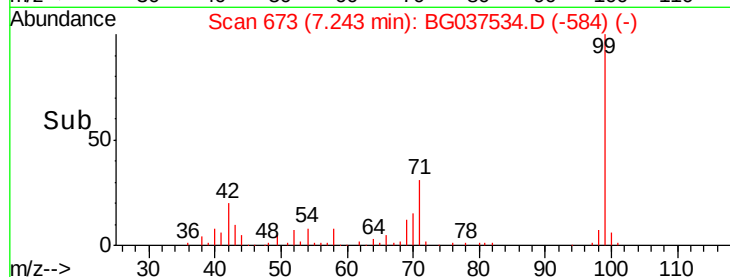
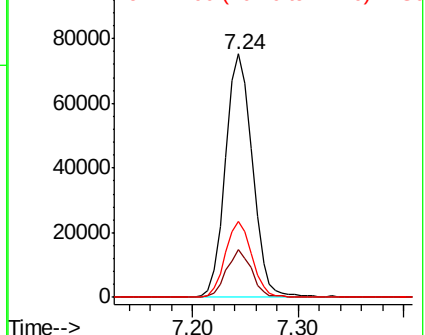
99 100

42 19.8 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: 16.295 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037534.D

Acq: 25 Oct 2018 6:34

Tgt Ion: 70 Resp: 57360

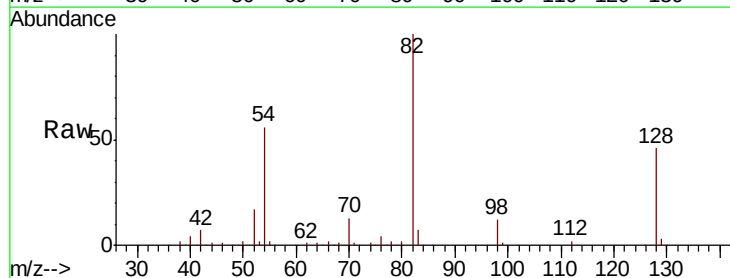
Ion Ratio Lower Upper

70 100

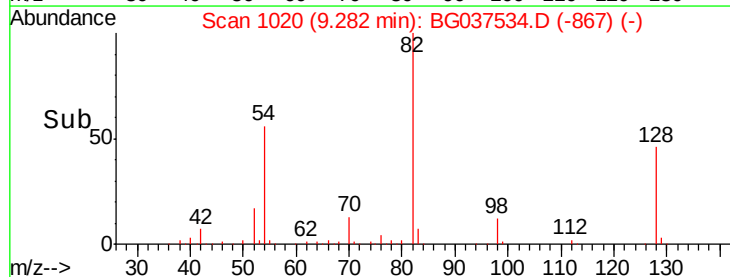
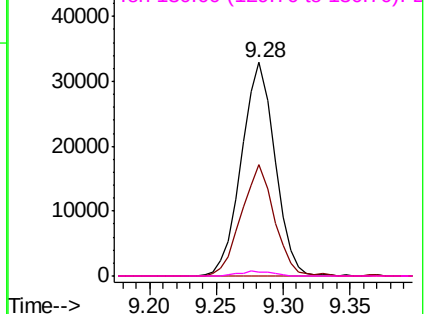
42 52.1 53.9 80.9#

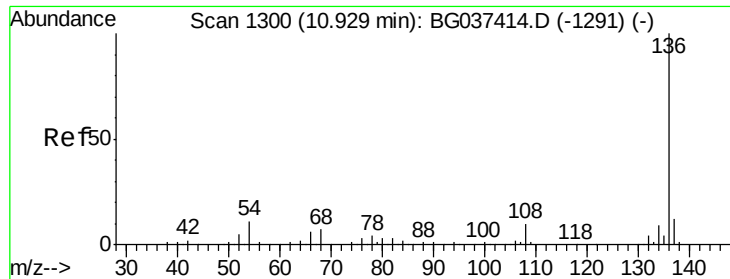
101 0.0 8.2 12.2#

130 1.6 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

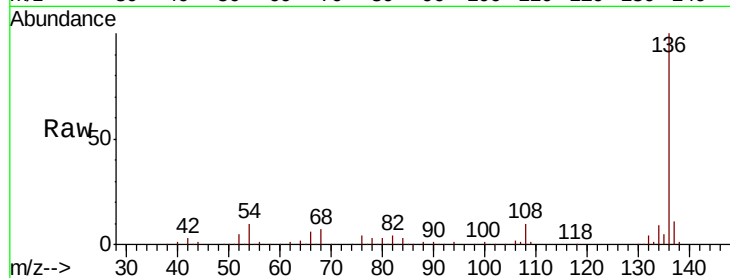




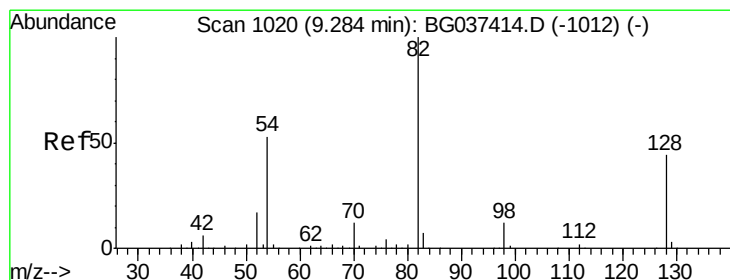
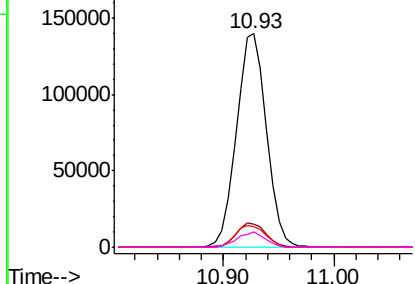
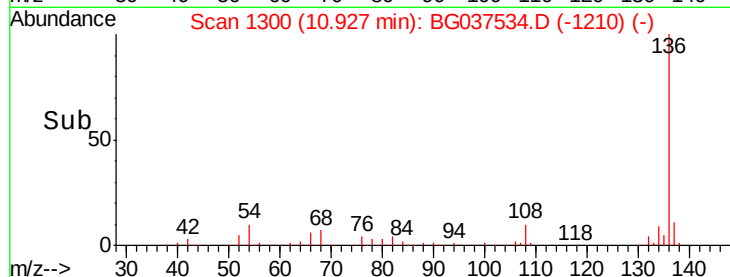
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	266175
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.6 14.4
54	9.6	7.9 11.9
68	7.1	4.8 7.2

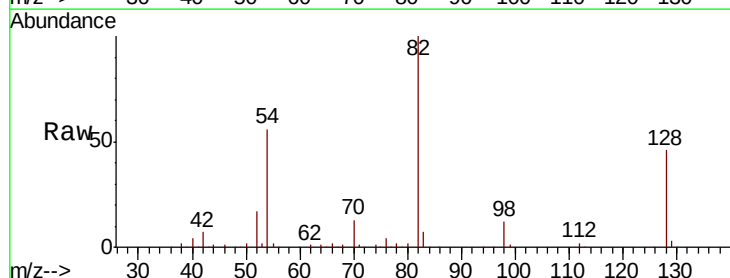


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

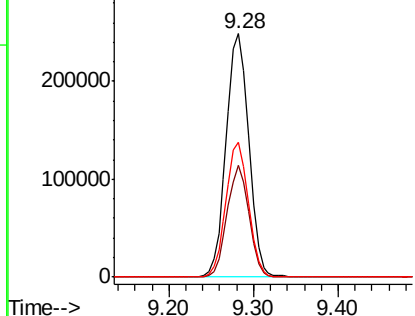
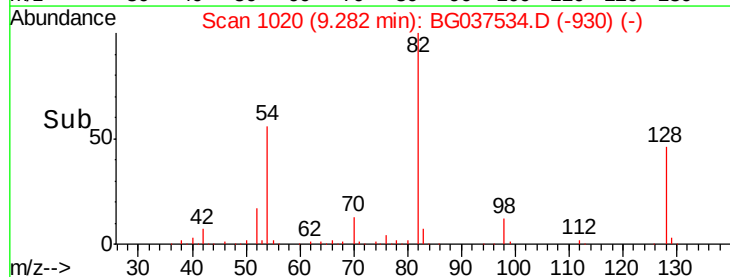


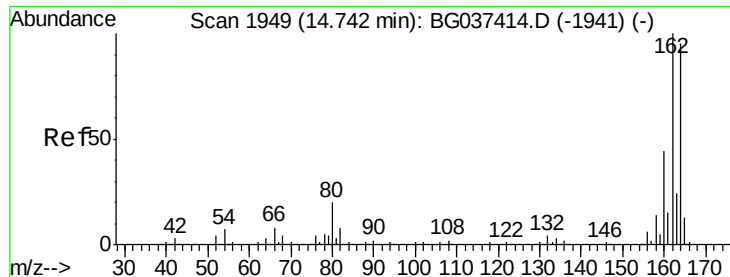
#23
Nitrobenzene-d5
Concen: 96.769 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

Tgt Ion: 82	Resp:	459801
Ion Ratio	Lower	Upper
82	100	
128	45.8	34.6 51.8
54	55.6	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: BG037534.D

Acq: 25 Oct 2018 6:34

Instrument :

BNA_G

ClientSampleId :

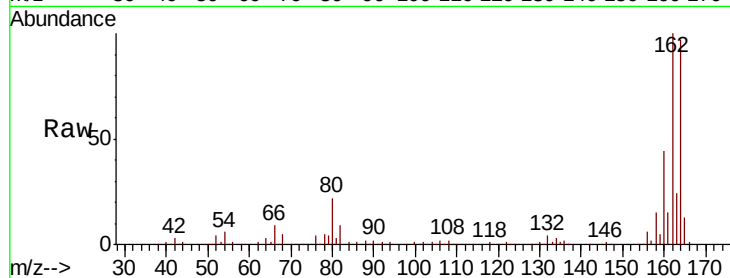
Tot Ion:164 Resp: 184814

Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

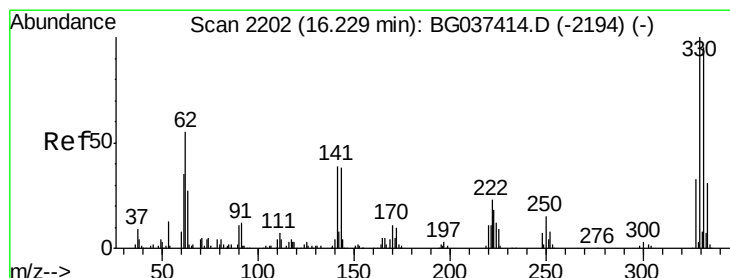
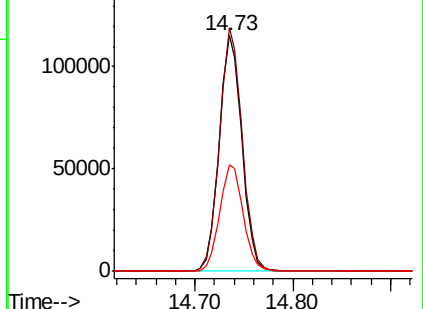
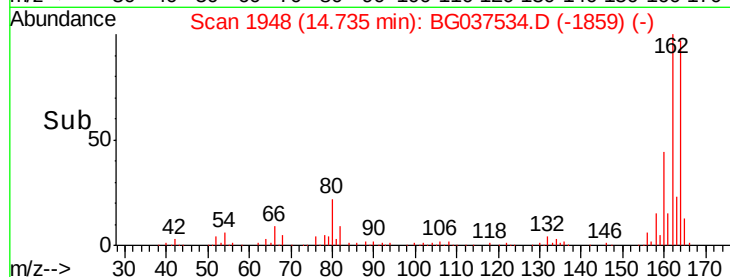
160 45.1 36.3 54.5



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: 87.853 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037534.D

Acq: 25 Oct 2018 6:34

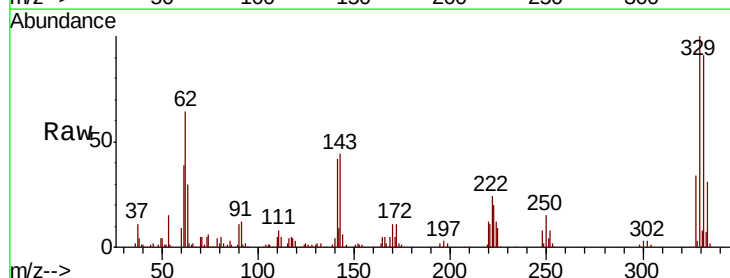
Tgt Ion:330 Resp: 177089

Ion Ratio Lower Upper

330 100

332 95.3 78.4 117.6

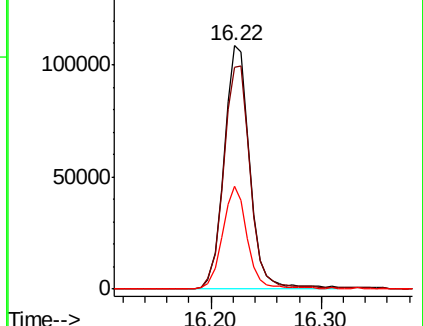
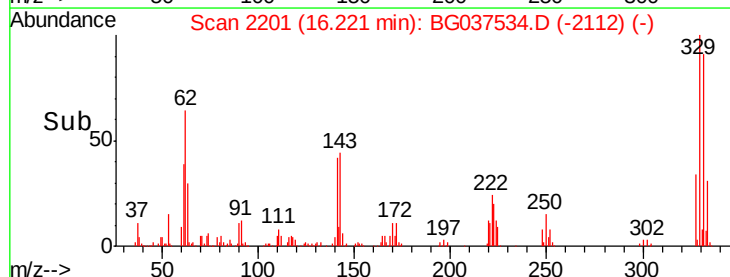
141 40.8 32.2 48.2

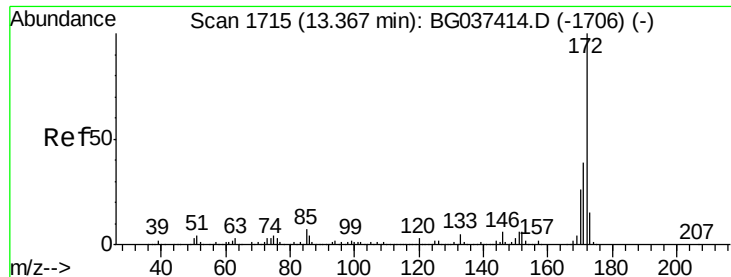


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

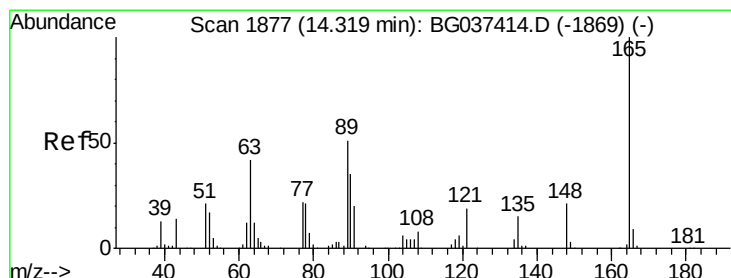
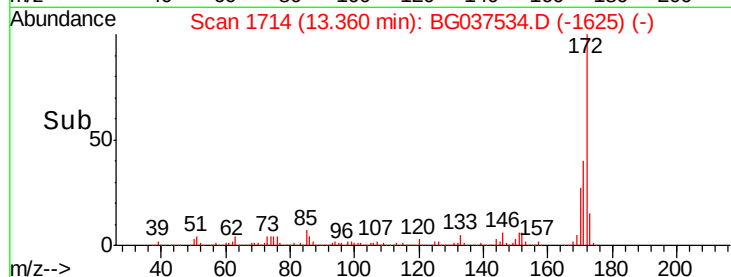
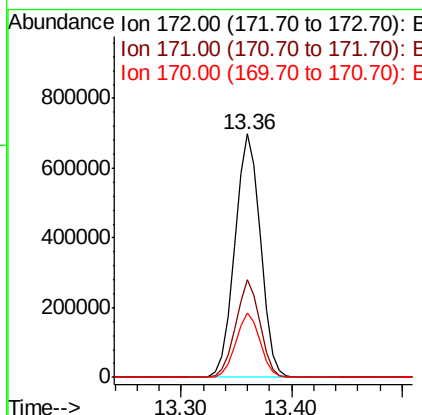
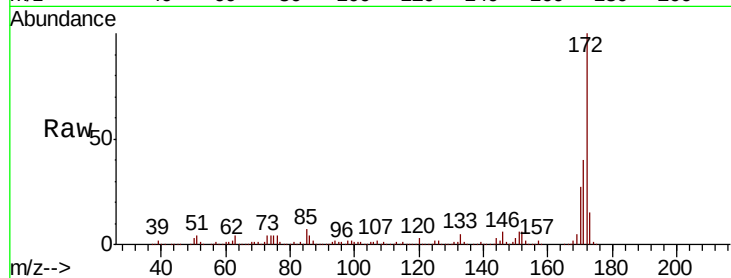




#45
2-Fluorobiphenyl
Concen: 92.879 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

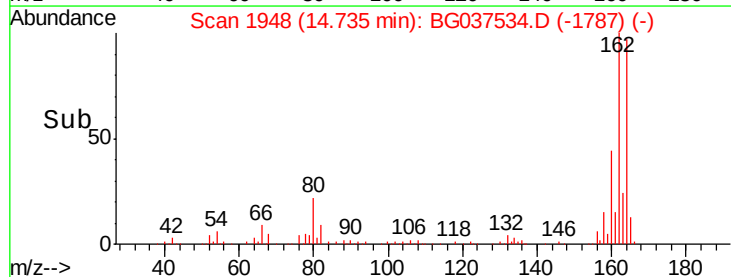
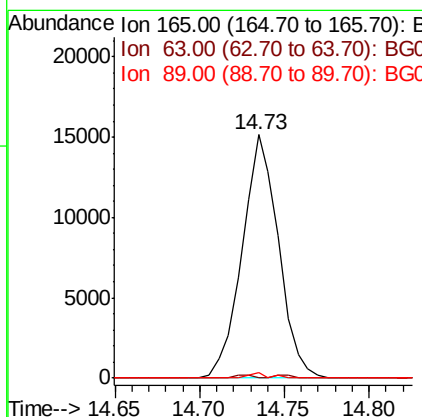
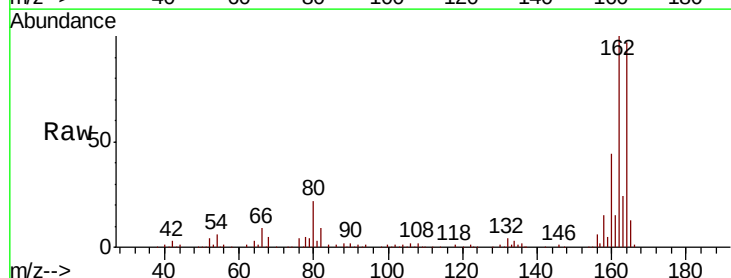
Instrument :
BNA_G
ClientSampleId :

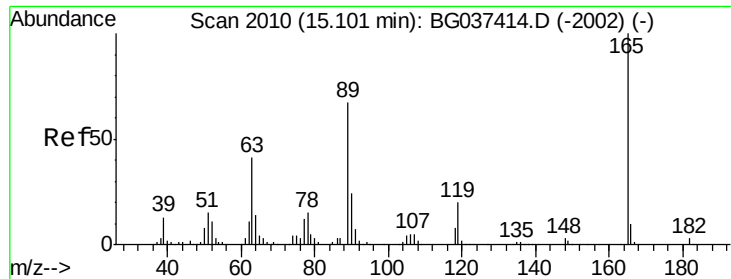
Tot Ion:172 Resp: 1138329
Ion Ratio Lower Upper
172 100
171 40.0 31.0 46.4
170 26.6 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.152 ng
RT: 14.73 min Scan# 1948
Delta R.T. 0.42 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

Tgt Ion:165 Resp: 22621
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 2.4 45.8 68.6#

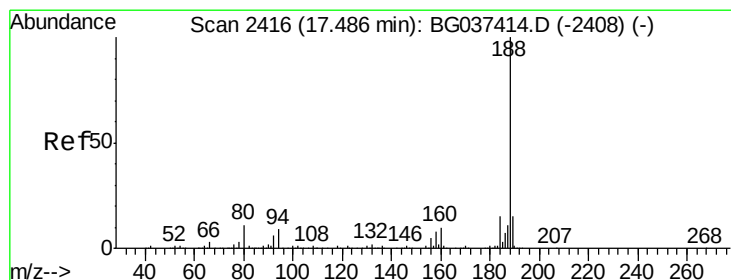
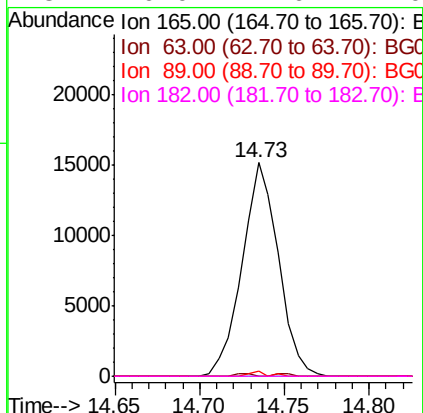
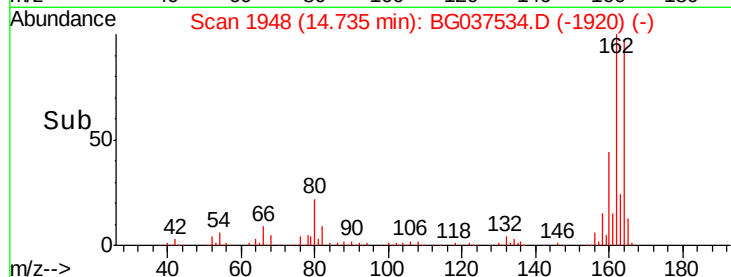
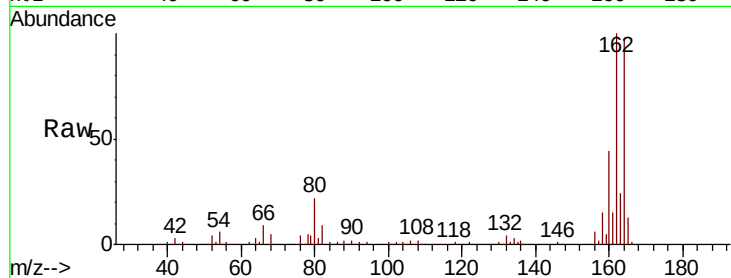




#57
 2,4-Dinitrotoluene
 Concen: 5.448 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037534.D
 Acq: 25 Oct 2018 6:34

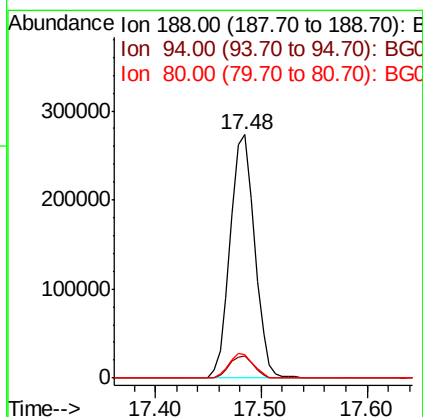
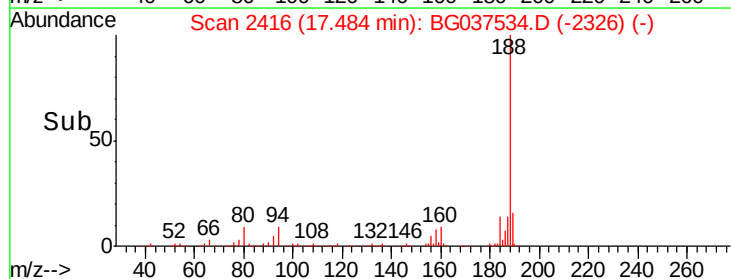
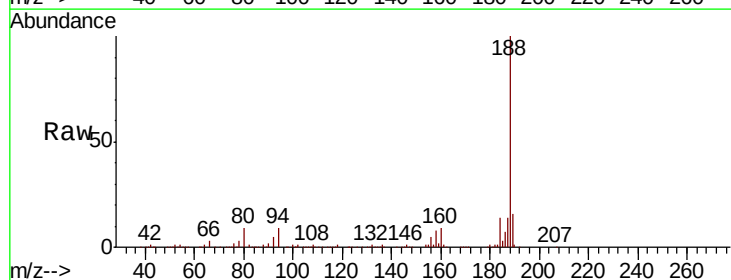
Instrument :
 BNA_G
 ClientSampleId :

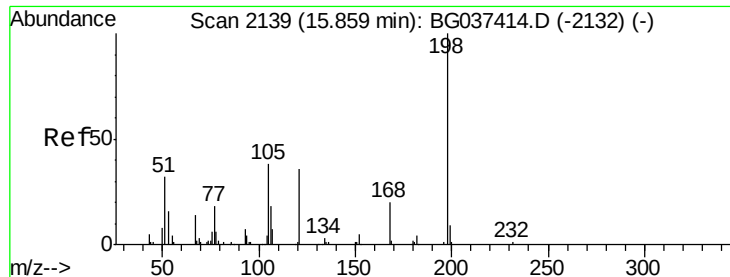
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.4	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037534.D
 Acq: 25 Oct 2018 6:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	9.4	7.7	11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.597 ng

RT: 16.24 min Scan# 2204

Delta R.T. 0.38 min

Lab File: BG037534.D

Acq: 25 Oct 2018 6:34

Instrument :

BNA_G

ClientSampleId :

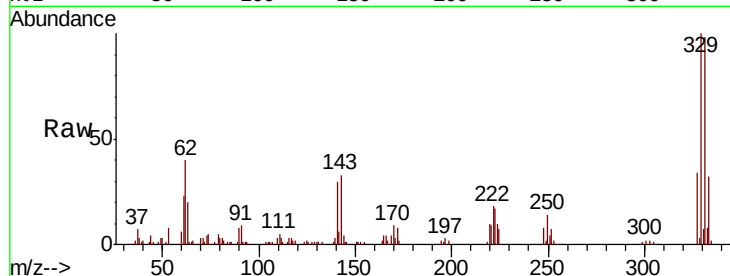
Tot Ion:198 Resp: 250

Ion Ratio Lower Upper

198 100

51 29.7 22.7 62.7

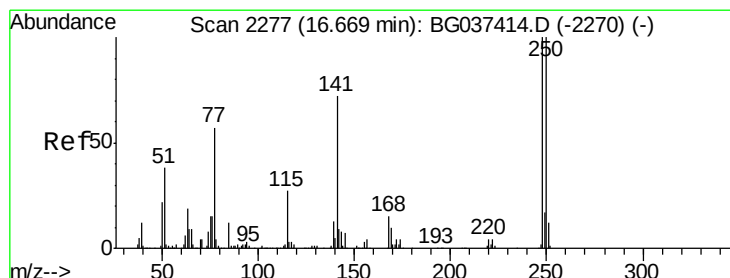
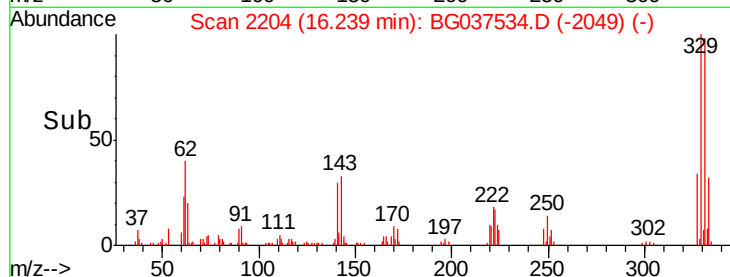
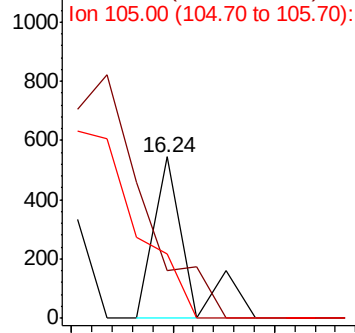
105 40.0 19.7 59.7



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: 2.848 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037534.D

Acq: 25 Oct 2018 6:34

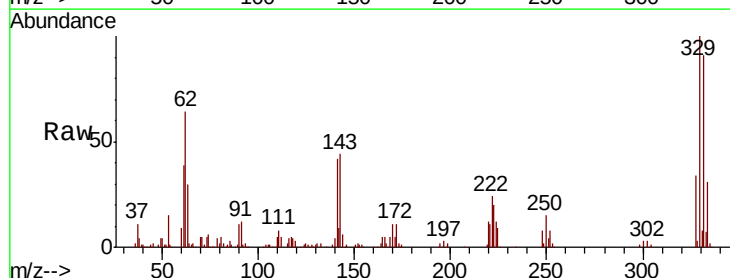
Tgt Ion:248 Resp: 13671

Ion Ratio Lower Upper

248 100

250 183.3 77.0 115.6#

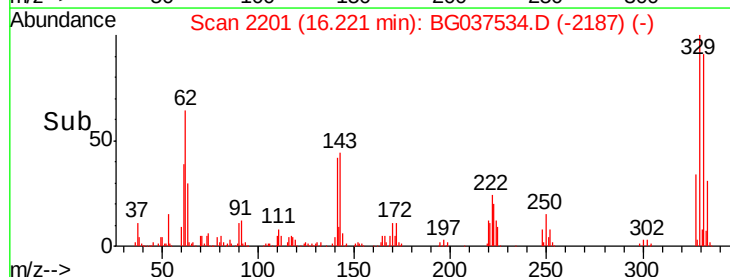
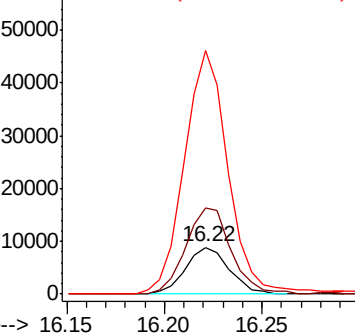
141 406.1 55.5 83.3#

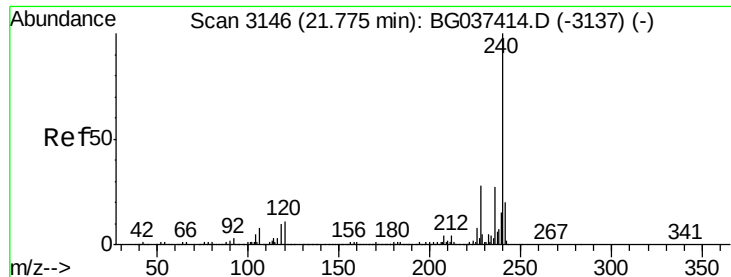


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

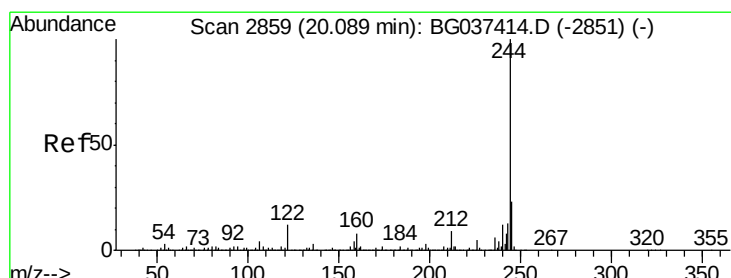
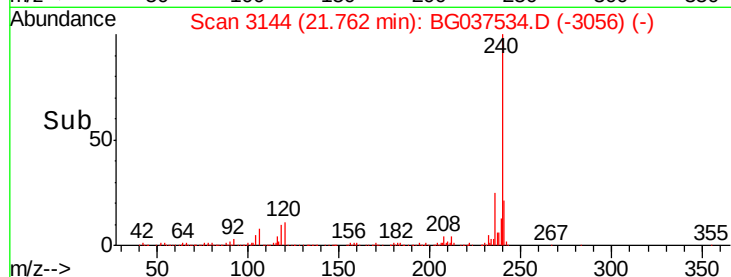
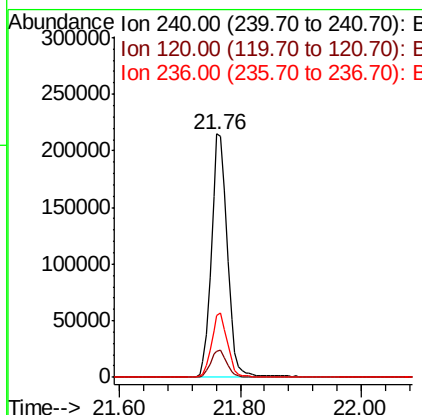
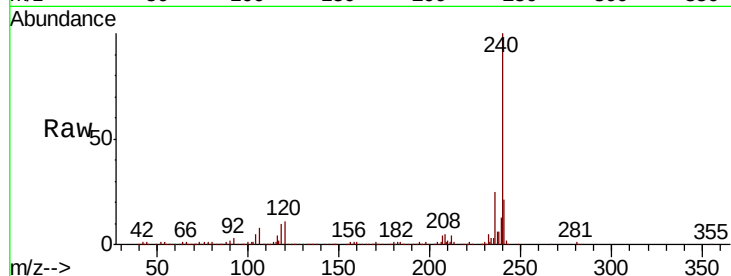




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

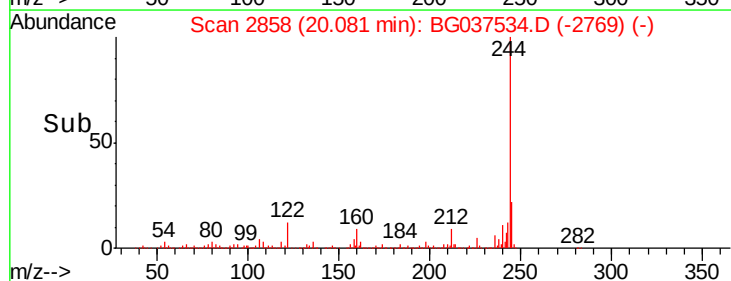
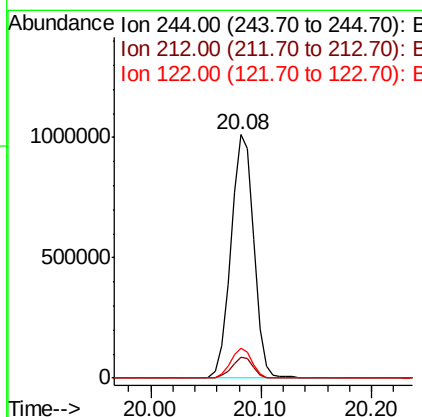
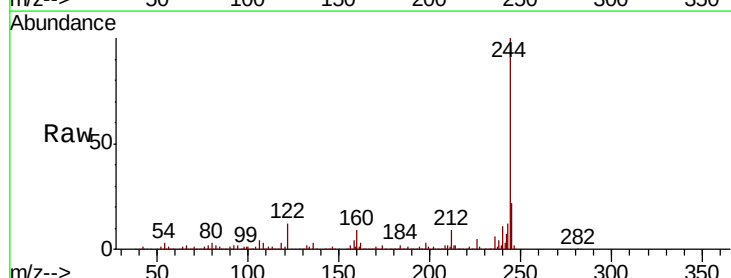
Instrument :
BNA_G
ClientSampled :

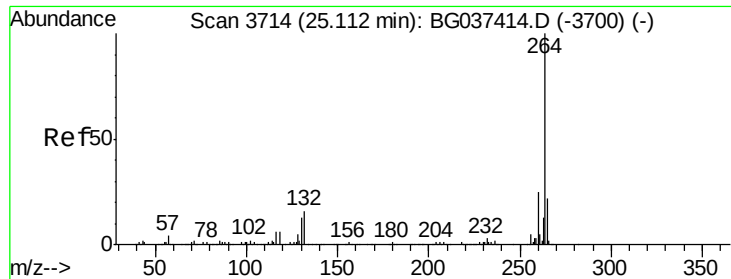
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.1	12.1
236	25.4	21.4	32.0



#79
Terphenyl-d14
Concen: 79.461 ng
RT: 20.08 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BG037534.D
Acq: 25 Oct 2018 6:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	12.0	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: BG037534.D
Acq: 25 Oct 2018 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	21.9	17.9	26.9

