

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\
 Data File : BG037969.D
 Acq On : 13 Nov 2018 7:15
 Operator : JU/SJ
 Sample : J5904-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 11:38:14 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

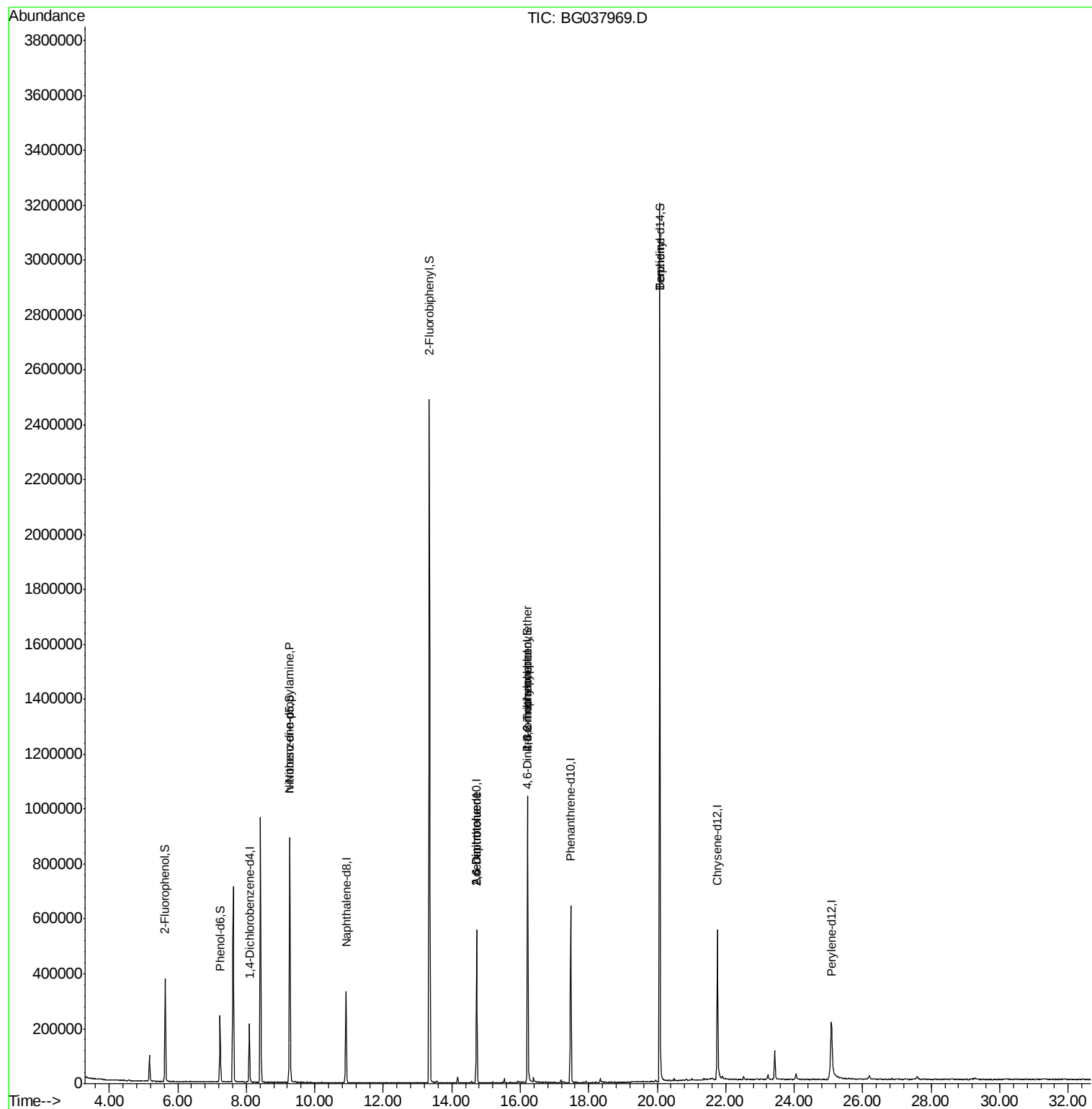
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	65078	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	307392	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	201754	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	427564	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	374924	20.00	ng	-0.02
87) Perylene-d12	25.09	264	314979	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	176487	45.34	ng	-0.02
7) Phenol-d6	7.23	99	157783	26.81	ng	-0.02
23) Nitrobenzene-d5	9.27	82	568243	103.56	ng	-0.02
42) 2,4,6-Tribromophenol	16.21	330	192059	87.28	ng	-0.02
45) 2-Fluorobiphenyl	13.35	172	1317969	98.51	ng	-0.02
79) Terphenyl-d14	20.07	244	1565987	89.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	72408	17.864	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	25212	7.302	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	25212	5.563	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.20	198	121	8.552	ng	# 94
67) 4-Bromophenyl-phenylether	16.21	248	14383	3.063	ng	# 1
77) Benzidine	20.07	184	26343	2.066	ng	# 94

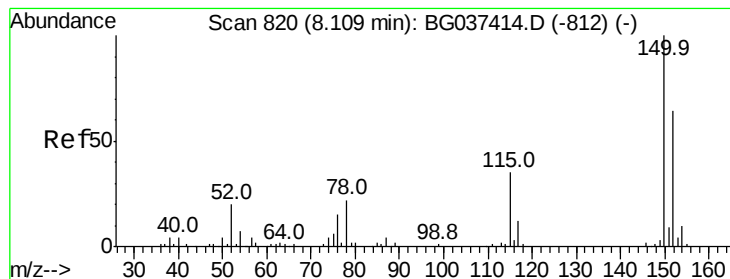
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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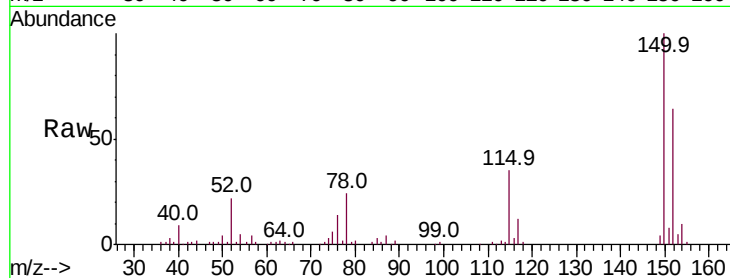


#1

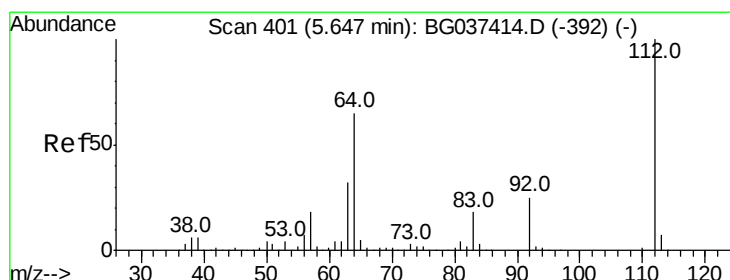
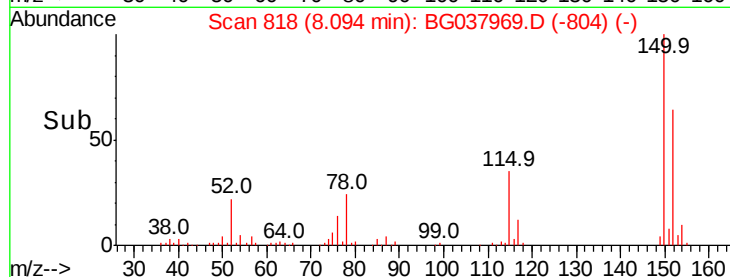
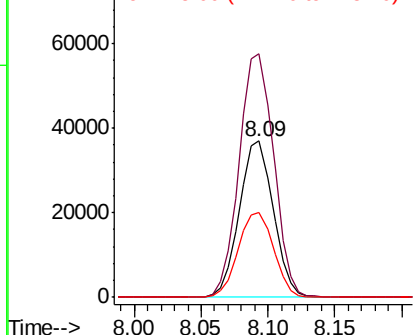
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.02 min
Lab File: BG037969.D
Acq: 13 Nov 2018 7:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65078
Ion Ratio Lower Upper
152 100
150 156.0 126.0 189.0
115 54.5 45.5 68.3



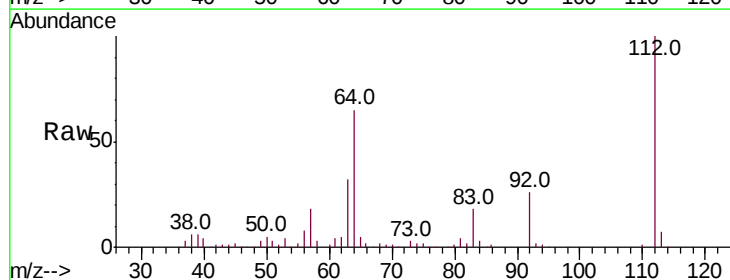
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



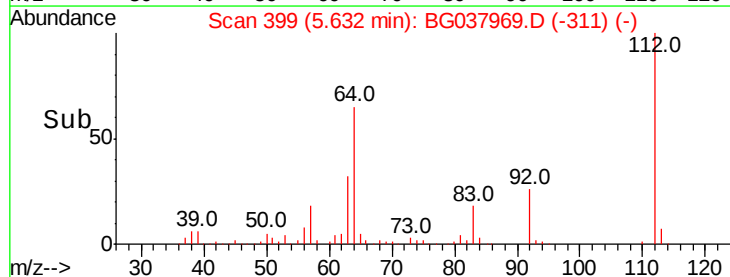
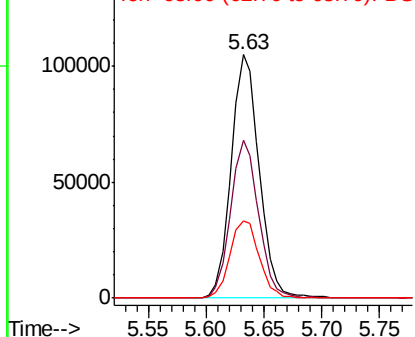
#5

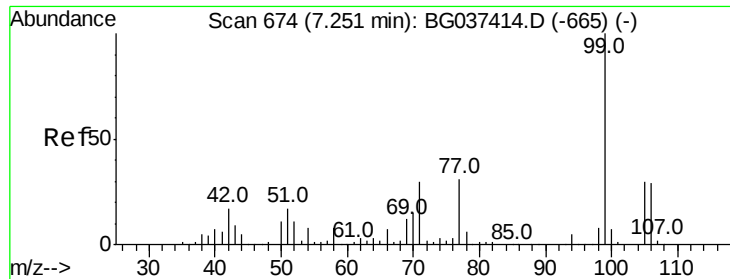
2-Fluorophenol
Concen: 45.339 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.02 min
Lab File: BG037969.D
Acq: 13 Nov 2018 7:15

Tgt Ion:112 Resp: 176487
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.0 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: 26.806 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Instrument :

BNA_G

ClientSampled :

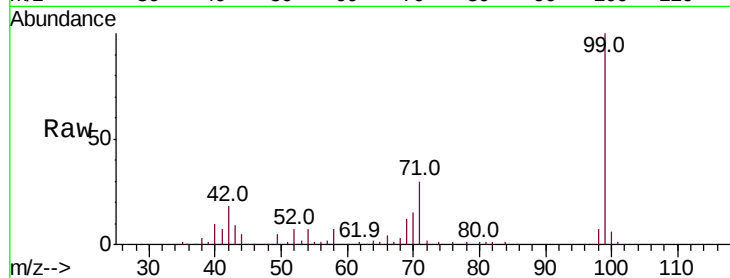
Tot Ion: 99 Resp: 157783

Ion Ratio Lower Upper

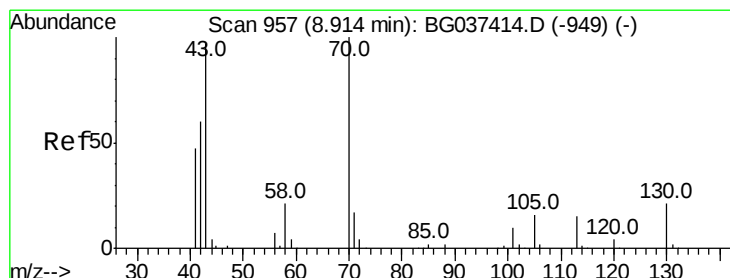
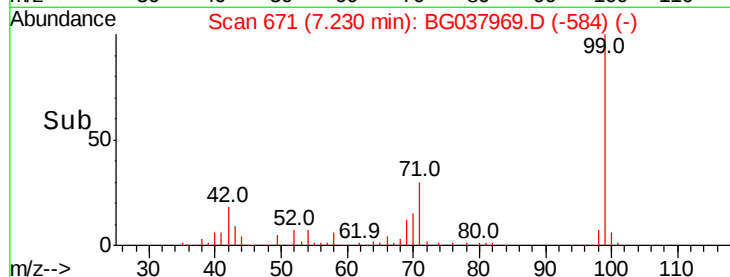
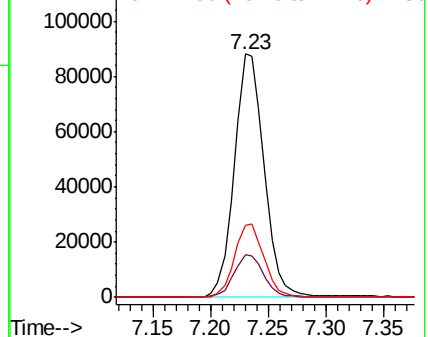
99 100

42 17.6 15.0 22.4

71 29.8 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: 17.864 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Tgt Ion: 70 Resp: 72408

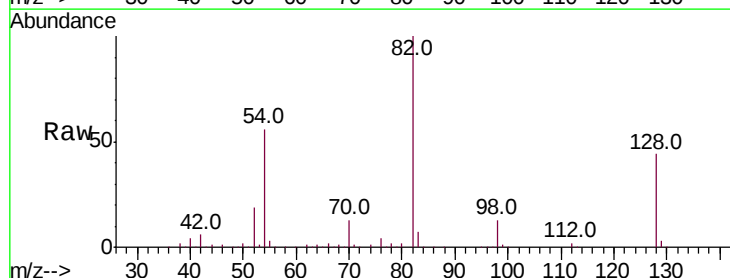
Ion Ratio Lower Upper

70 100

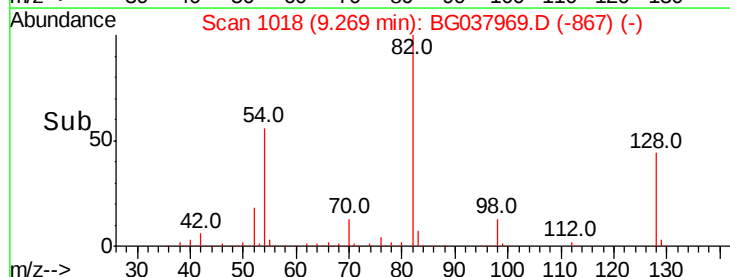
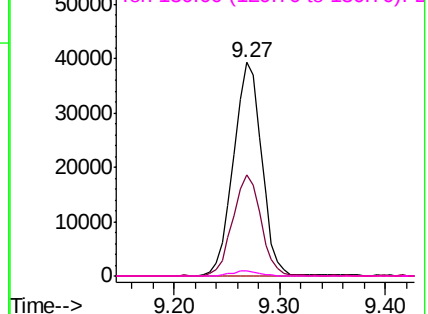
42 47.4 53.9 80.9#

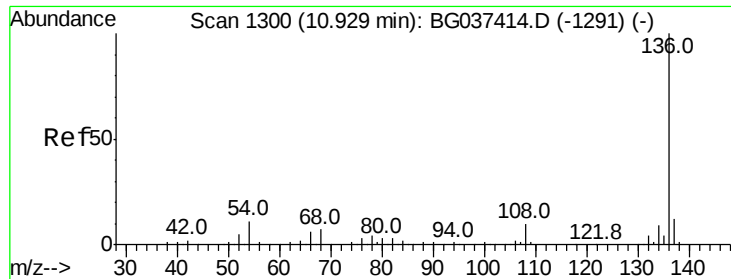
101 0.0 8.2 12.2#

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

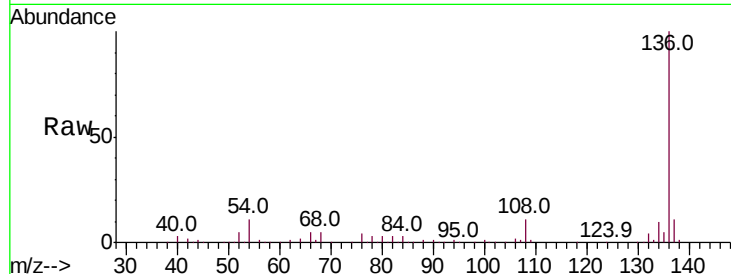




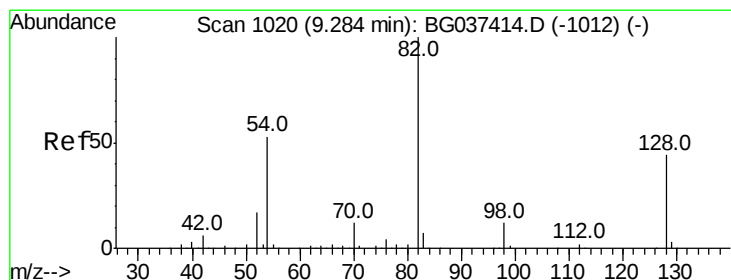
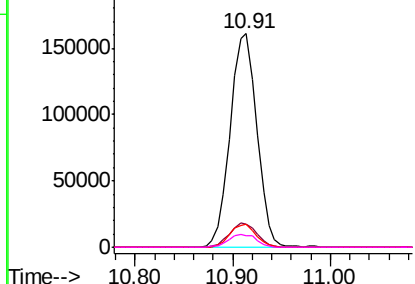
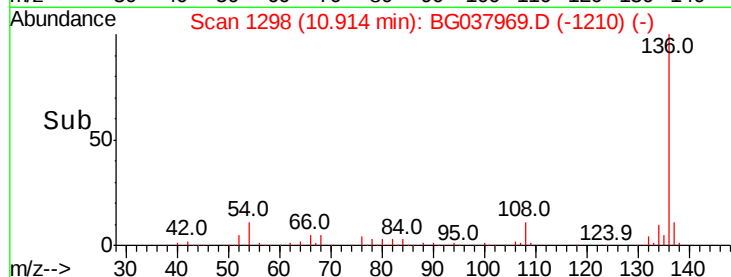
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BG037969.D
Acq: 13 Nov 2018 7:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	307392
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	10.6	7.9	11.9
68	5.5	4.8	7.2

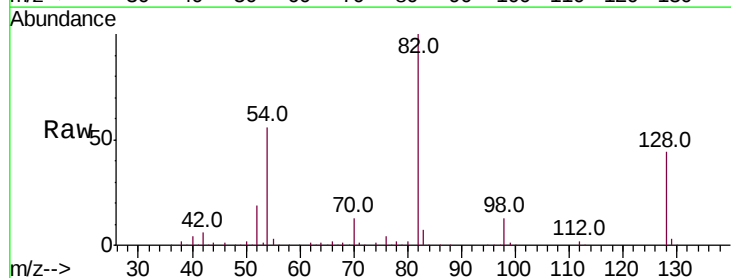


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
200000
Ion 54.00 (53.70 to 54.70): BG
150000
Ion 68.00 (67.70 to 68.70): BG
100000
50000
0

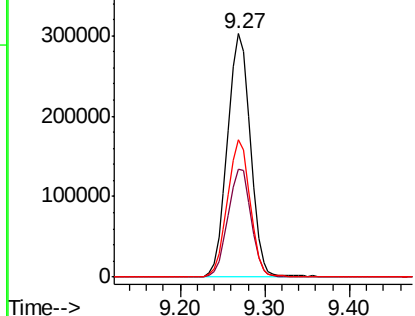
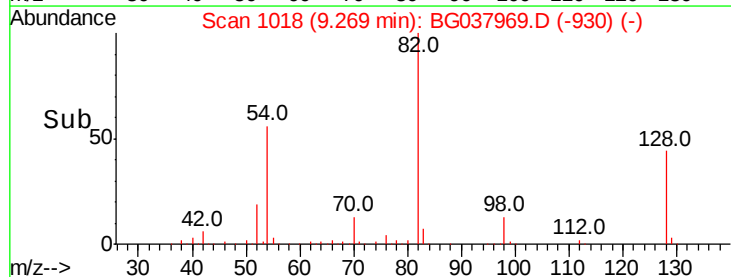


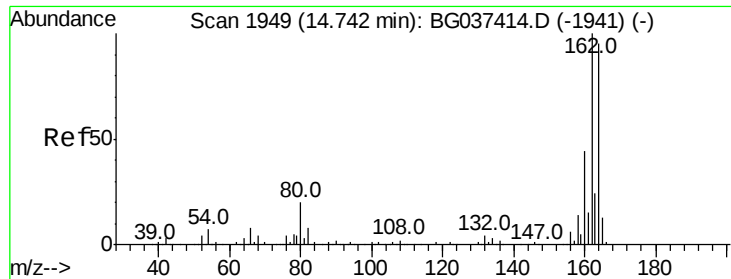
#23
Nitrobenzene-d5
Concen: 103.556 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BG037969.D
Acq: 13 Nov 2018 7:15

Tgt Ion:	82	Resp:	568243
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.6	51.8
54	56.3	45.3	67.9



Abundance Ion 82.00 (81.70 to 82.70): BG
400000
Ion 128.00 (127.70 to 128.70): E
300000
Ion 54.00 (53.70 to 54.70): BG
200000
100000
0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Instrument :

BNA_G

ClientSampleId :

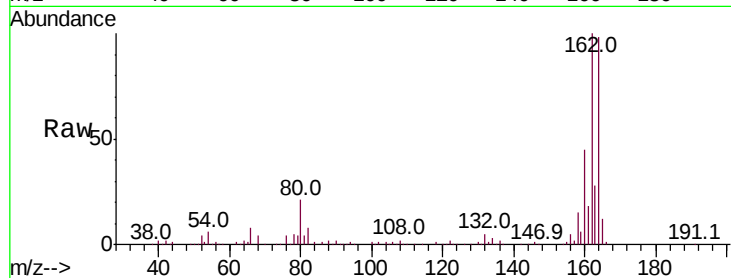
Tot Ion:164 Resp: 201754

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

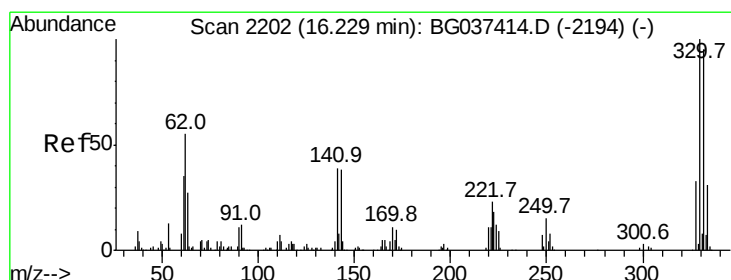
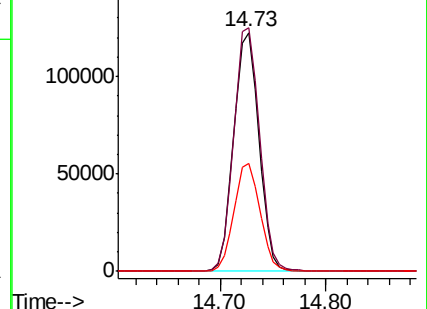
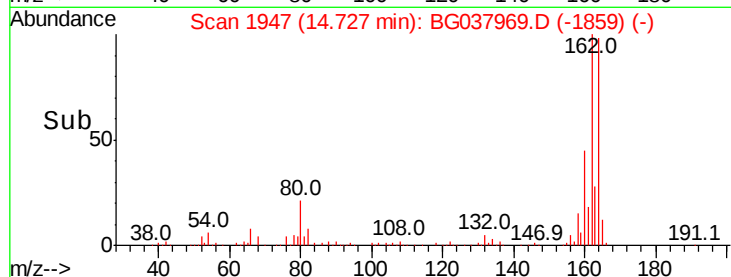
160 45.4 36.3 54.5



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: 87.279 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

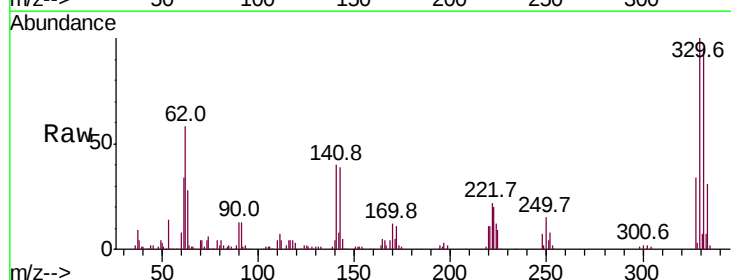
Tgt Ion:330 Resp: 192059

Ion Ratio Lower Upper

330 100

332 97.3 78.4 117.6

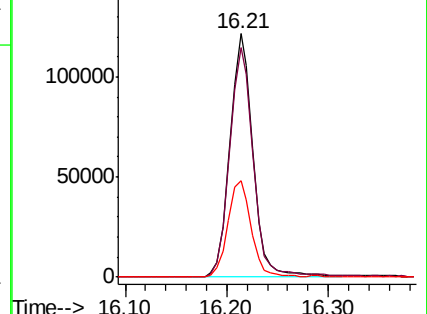
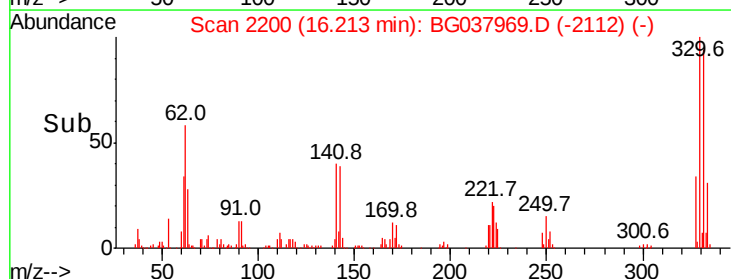
141 40.4 32.2 48.2

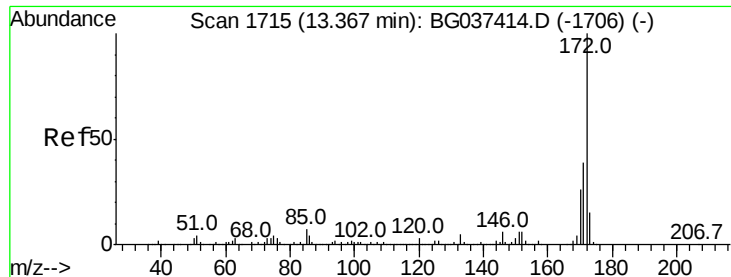


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



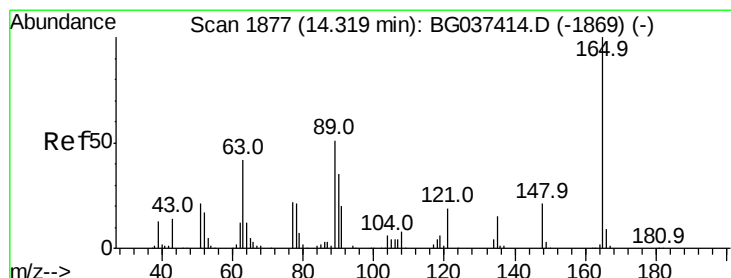
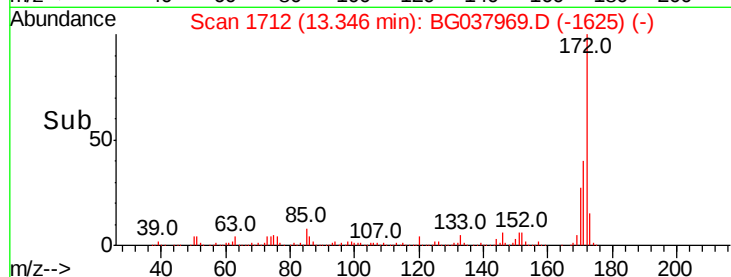
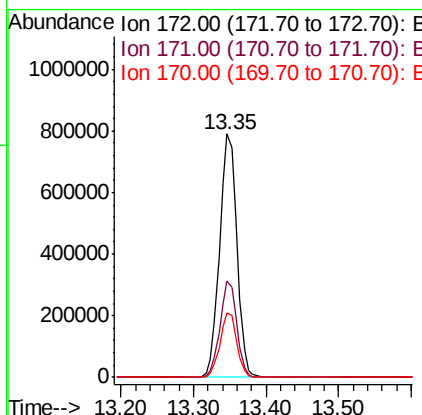
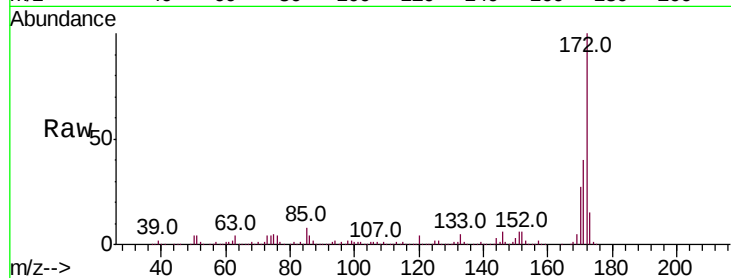


#45
 2-Fluorobiphenyl
 Concen: 98.507 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037969.D
 Acq: 13 Nov 2018 7:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1317969

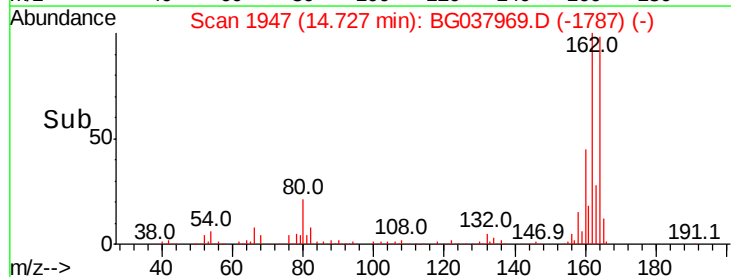
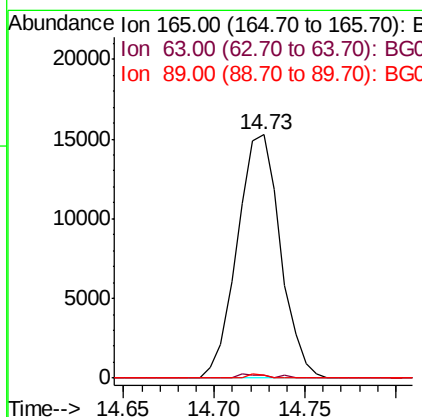
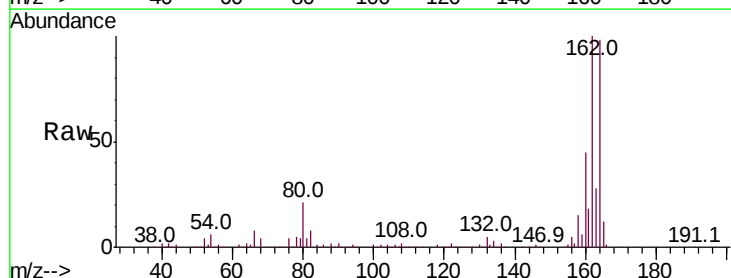
Ion	Ratio	Lower	Upper
172	100		
171	39.7	31.0	46.4
170	26.6	20.2	30.2

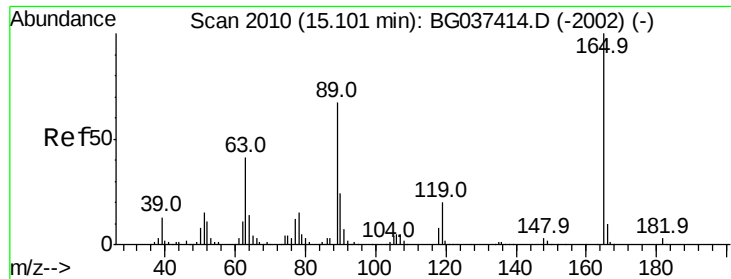


#51
 2,6-Dinitrotoluene
 Concen: 7.302 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037969.D
 Acq: 13 Nov 2018 7:15

Tgt Ion:165 Resp: 25212

Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.4	65.2#
89	1.3	45.8	68.6#

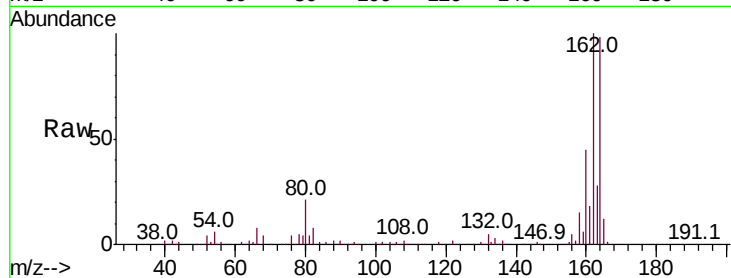




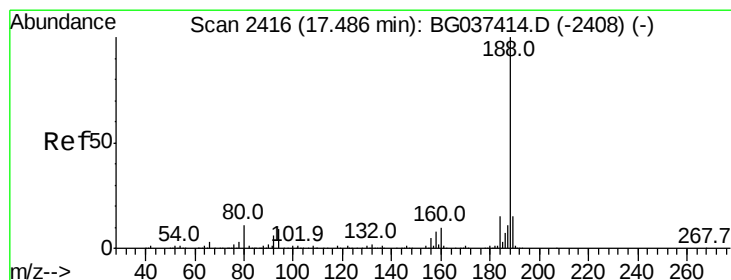
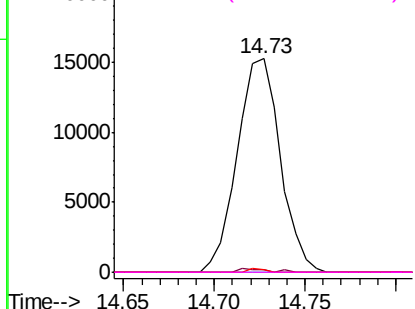
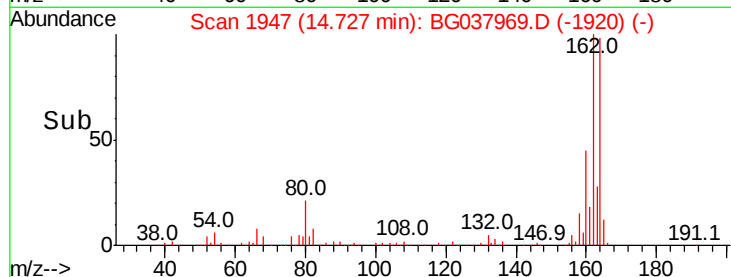
#57
 2,4-Dinitrotoluene
 Concen: 5.563 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037969.D
 Acq: 13 Nov 2018 7:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 25212
 Ion Ratio Lower Upper
 165 100
 63 1.4 33.4 50.0#
 89 1.3 57.2 85.8#
 182 0.0 2.6 4.0#

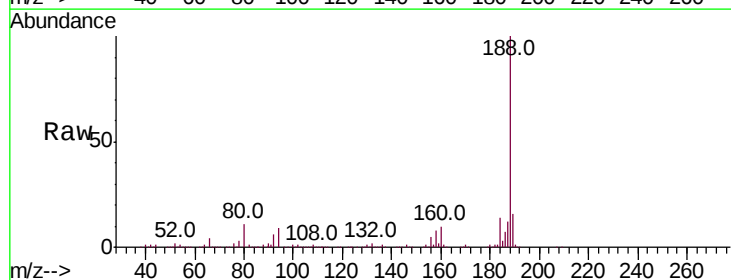


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

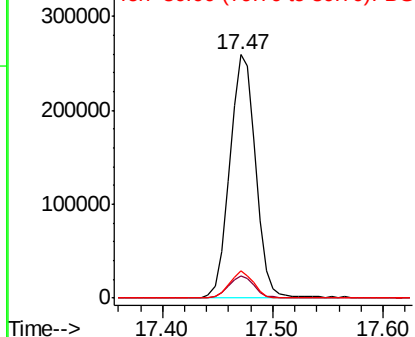
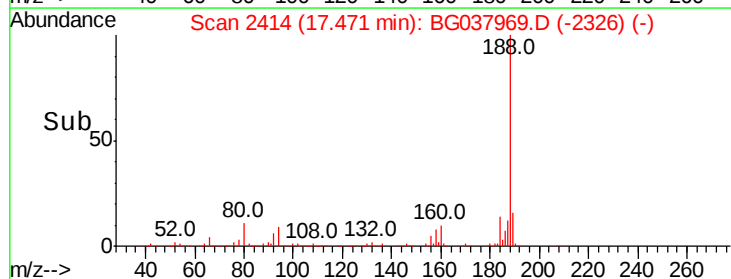


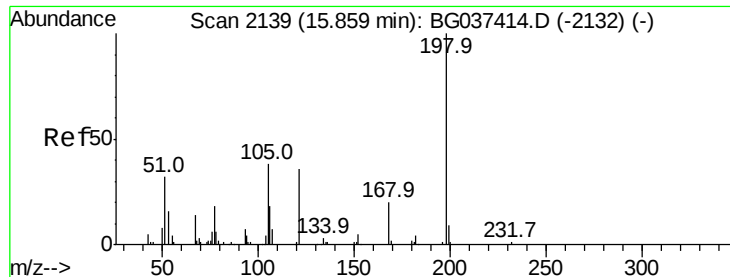
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BG037969.D
 Acq: 13 Nov 2018 7:15

Tgt Ion:188 Resp: 427564
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.2 10.8
 80 11.3 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: 8.552 ng

RT: 16.20 min Scan# 2198

Delta R.T. 0.34 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Instrument :

BNA_G

ClientSampled :

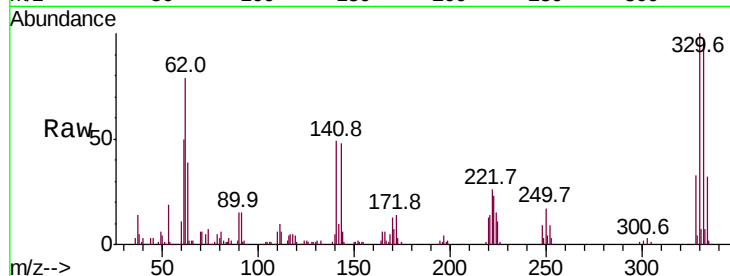
Tot Ion:198 Resp: 121

Ion Ratio Lower Upper

198 100

51 40.2 22.7 62.7

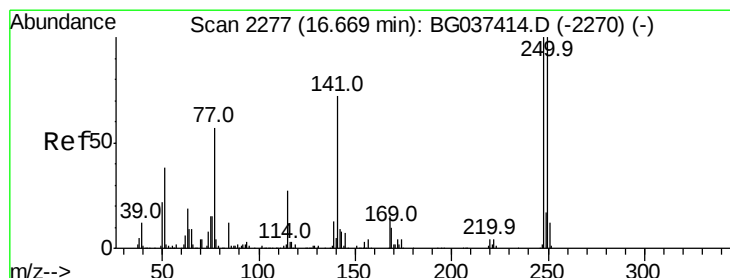
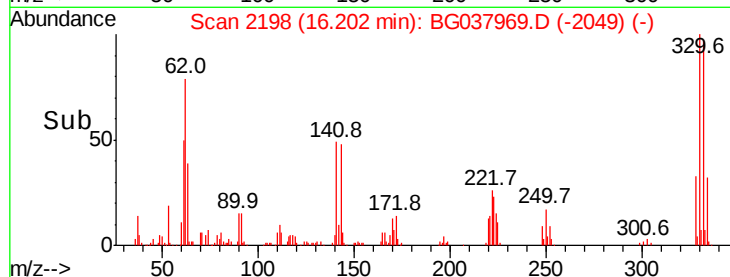
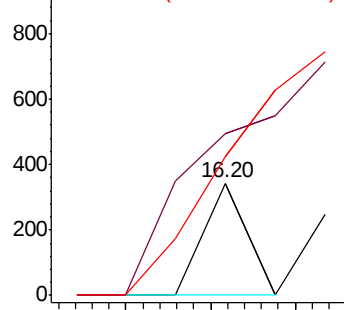
105 34.5 19.7 59.7



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: 3.063 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

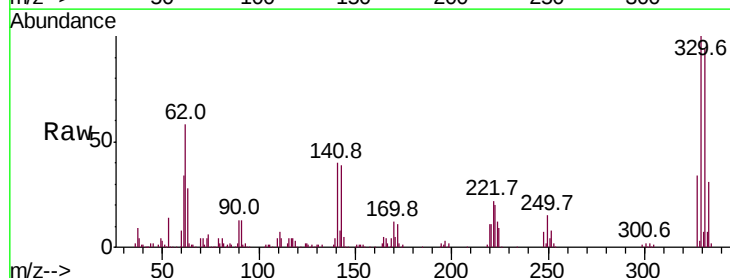
Tgt Ion:248 Resp: 14383

Ion Ratio Lower Upper

248 100

250 201.6 77.0 115.6#

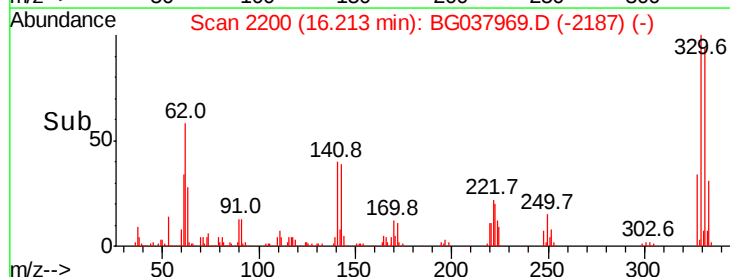
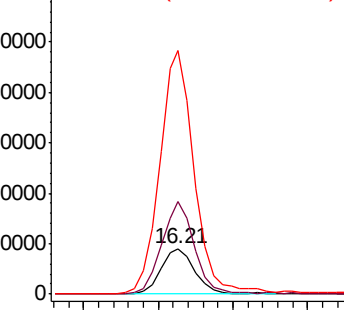
141 408.9 55.5 83.3#

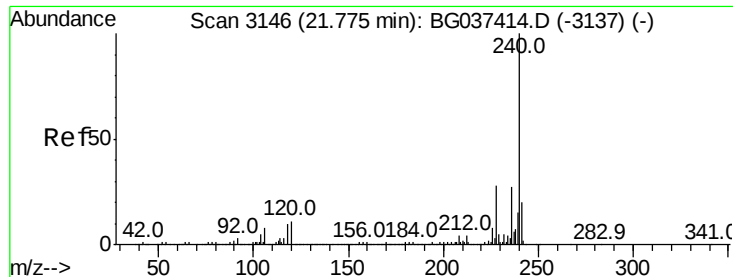


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.75 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Instrument :

BNA_G

ClientSampleId :

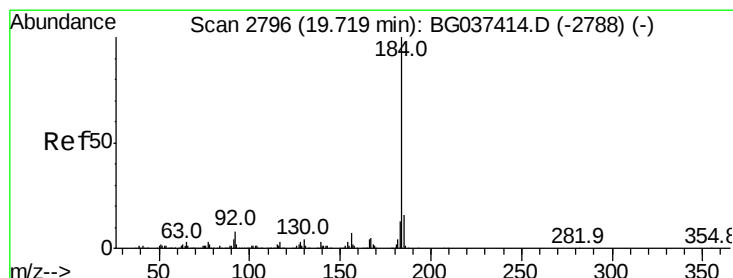
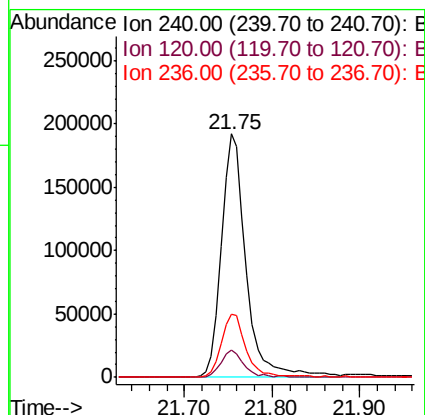
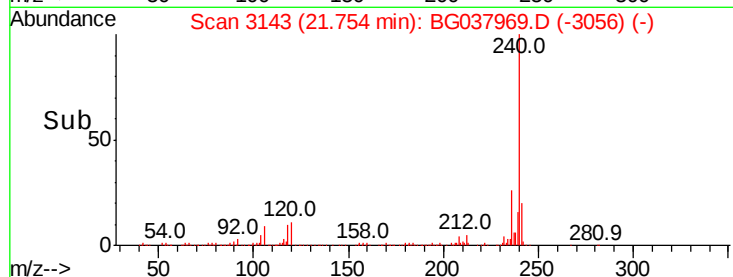
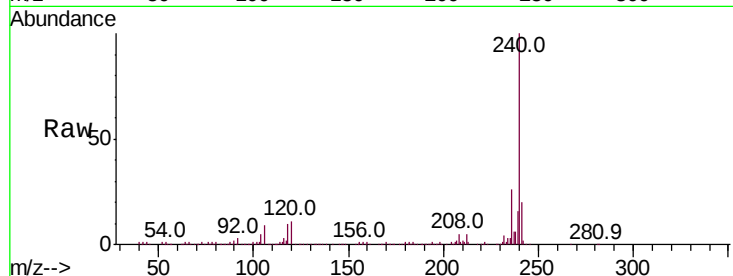
Tot Ion:240 Resp: 374924

Ion Ratio Lower Upper

240 100

120 11.2 8.1 12.1

236 25.9 21.4 32.0



#77

Benzidine

Concen: 2.066 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.35 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

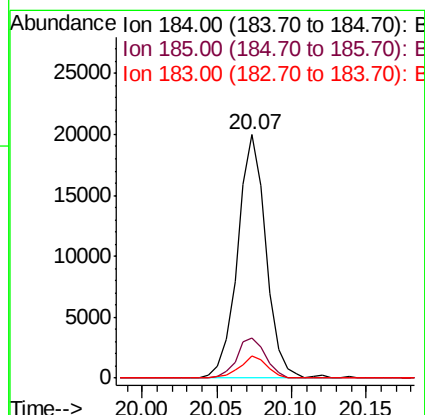
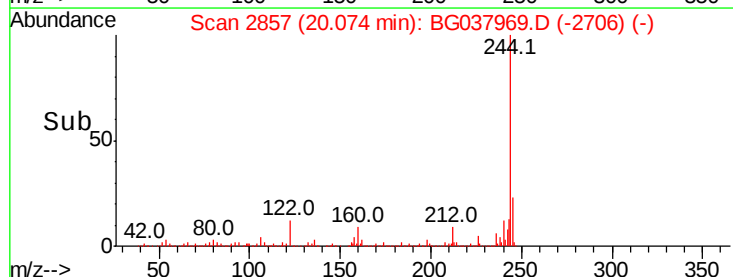
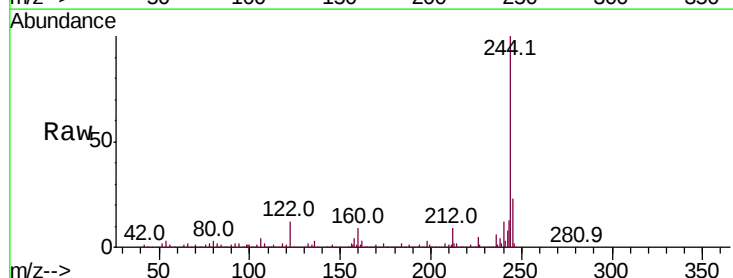
Tgt Ion:184 Resp: 26343

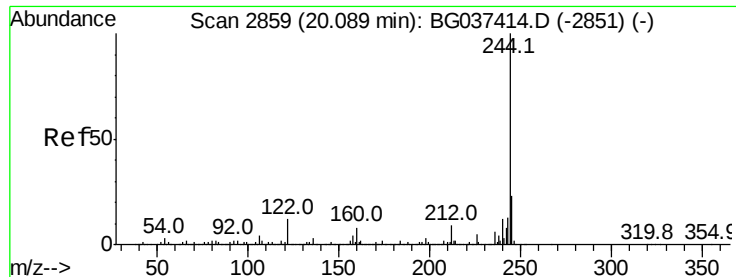
Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

183 9.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 89.249 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

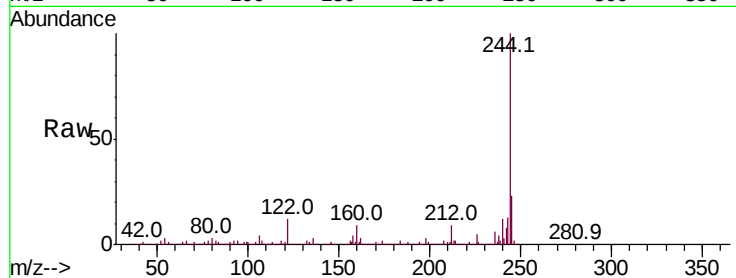
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1565987

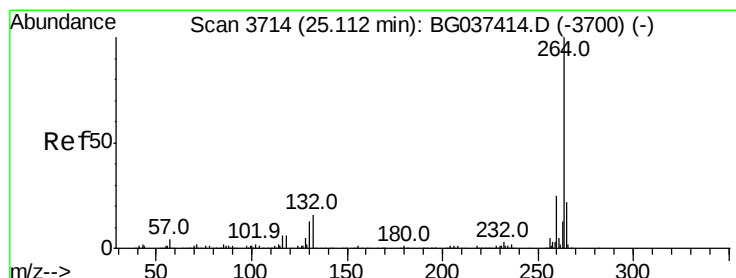
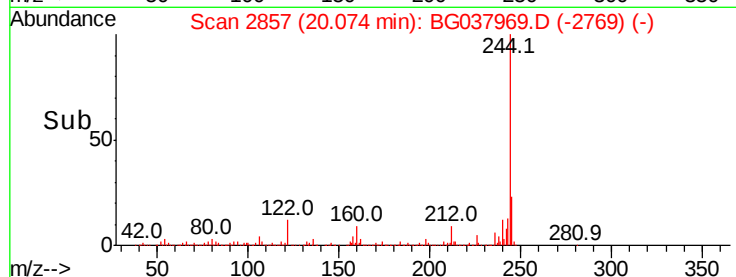
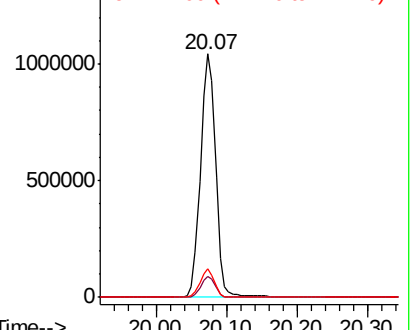
Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.5	9.7
122	11.9	9.0	13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

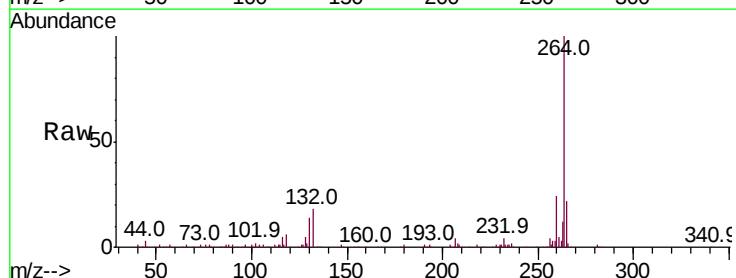
Delta R.T. -0.03 min

Lab File: BG037969.D

Acq: 13 Nov 2018 7:15

Tgt Ion:264 Resp: 314979

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	21.7	17.9	26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

