

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110118\
 Data File : BG037750.D
 Acq On : 2 Nov 2018 11:28
 Operator : JU/SJ
 Sample : J5741-30
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 02 14:25:45 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

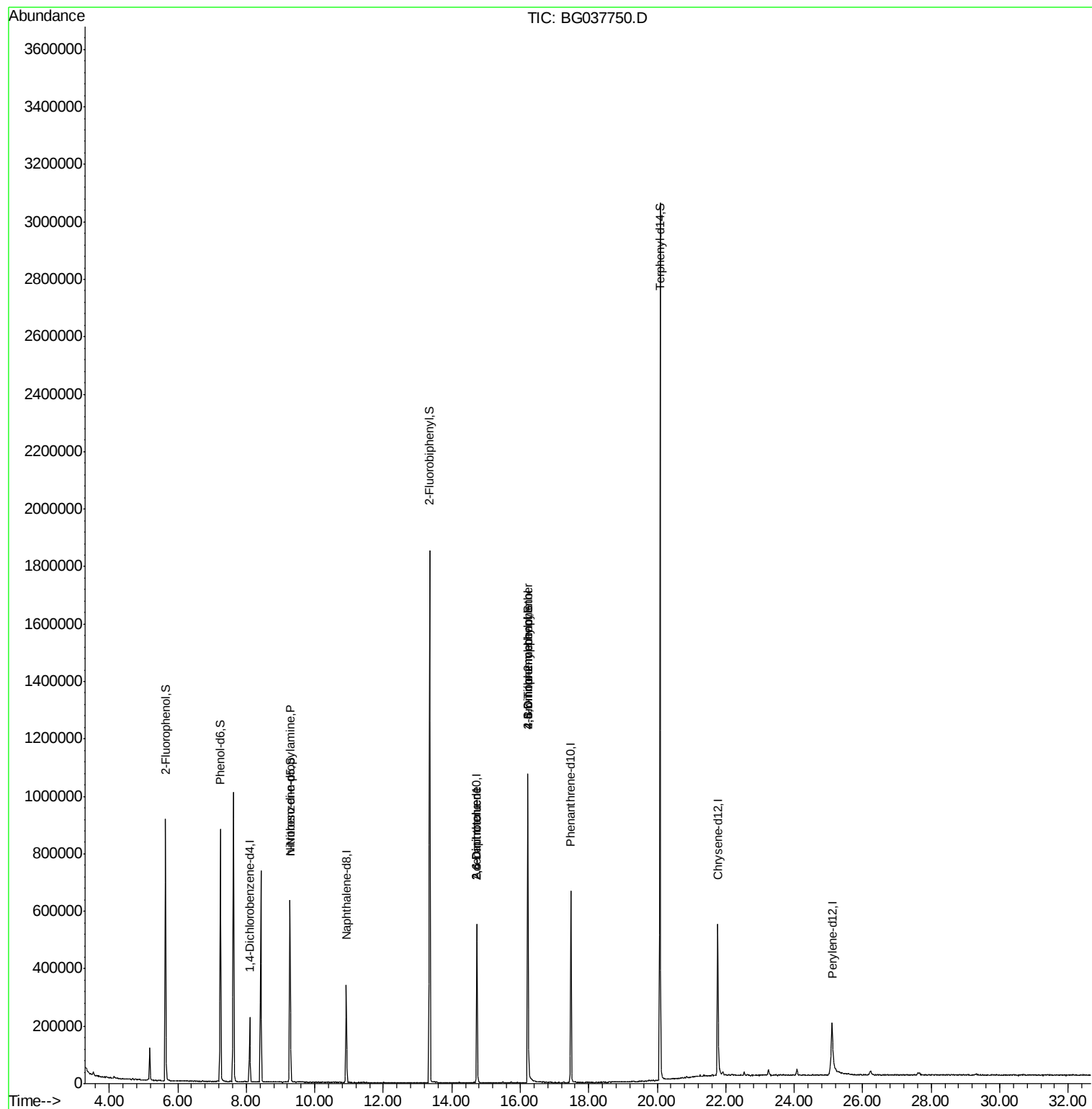
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	66576	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	303756	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	196868	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	433120	20.00	ng	0.00
76) Chrysene-d12	21.77	240	385957	20.00	ng	0.00
87) Perylene-d12	25.10	264	285569	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	433803	108.94	ng	0.00
7) Phenol-d6	7.24	99	583339	96.88	ng	0.00
23) Nitrobenzene-d5	9.27	82	417667	77.03	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	212661	99.04	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1031219	78.99	ng	-0.01
79) Terphenyl-d14	20.08	244	1504732	83.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	52734	12.718	ng	# 67
51) 2,6-Dinitrotoluene	14.73	165	26093	7.745	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	26093	5.900	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	323	8.624	ng	82
67) 4-Bromophenyl-phenylether	16.22	248	14861	3.124	ng	# 1

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

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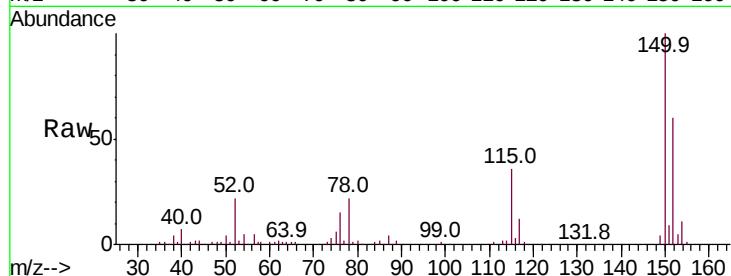


#1

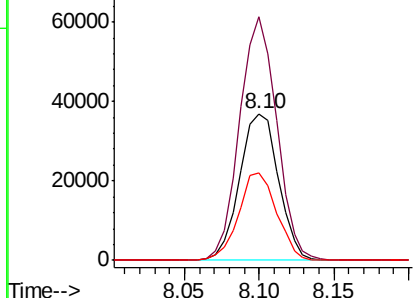
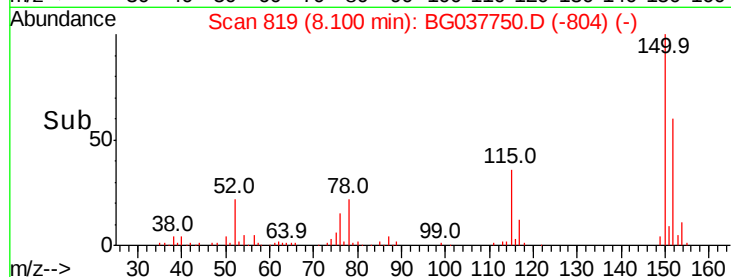
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037750.D
Acq: 2 Nov 2018 11:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66576
Ion Ratio Lower Upper
152 100
150 166.2 126.0 189.0
115 59.3 45.5 68.3



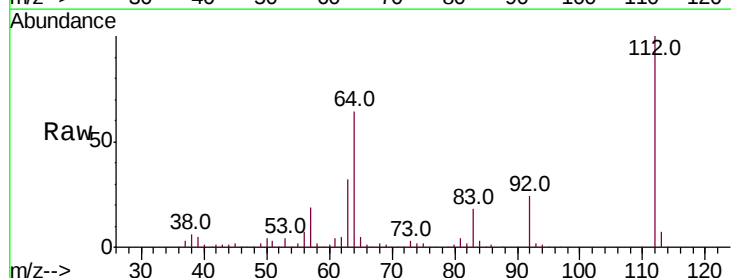
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



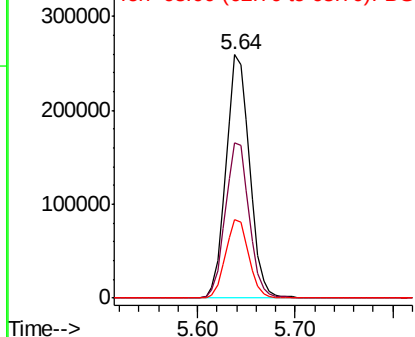
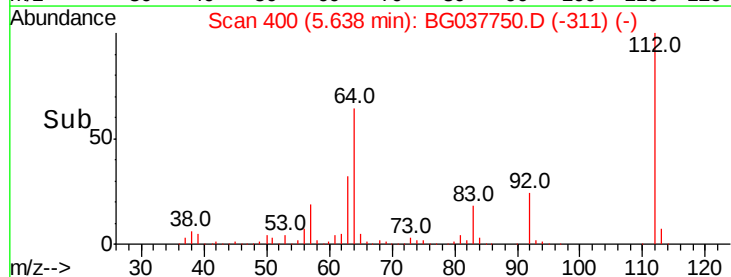
#5

2-Fluorophenol
Concen: 108.936 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037750.D
Acq: 2 Nov 2018 11:28

Tgt Ion:112 Resp: 433803
Ion Ratio Lower Upper
112 100
64 64.0 53.1 79.7
63 32.1 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: 96.875 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

Instrument :

BNA_G

ClientSampleId :

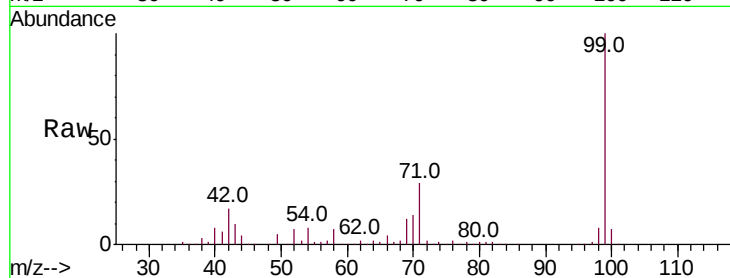
Tot Ion: 99 Resp: 583339

Ion Ratio Lower Upper

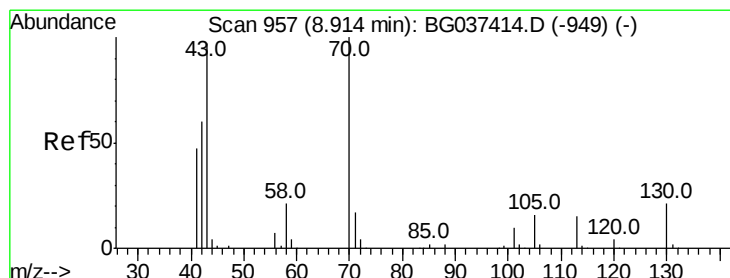
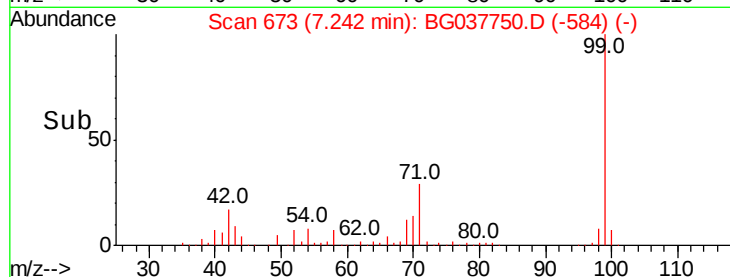
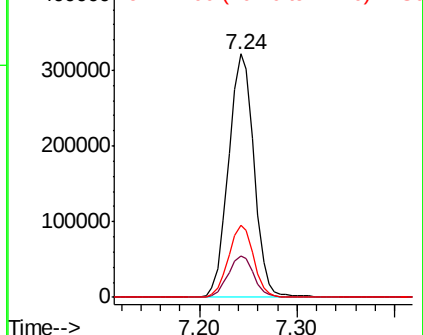
99 100

42 16.8 15.0 22.4

71 29.5 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: 12.718 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

Tgt Ion: 70 Resp: 52734

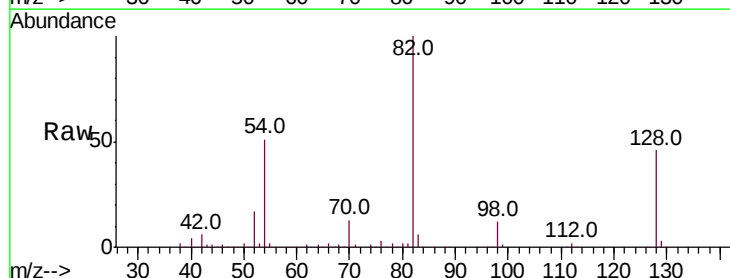
Ion Ratio Lower Upper

70 100

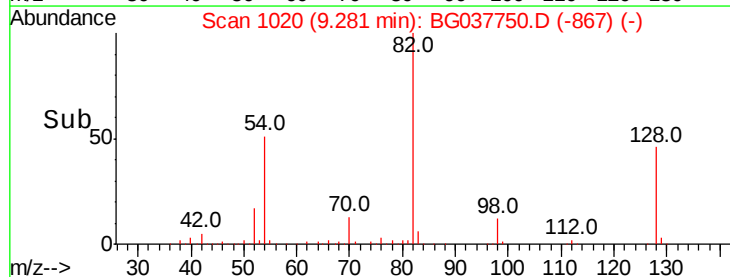
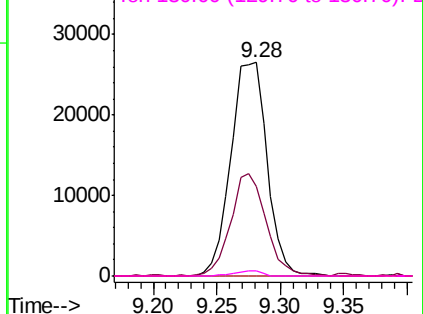
42 42.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.2 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

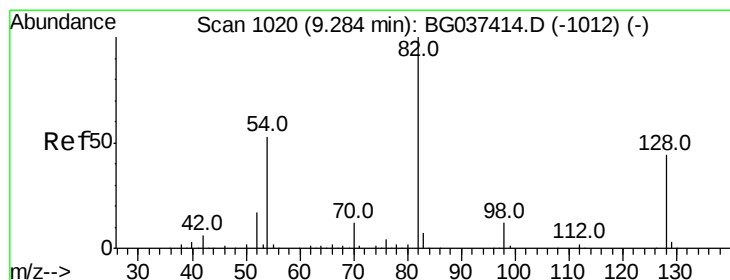
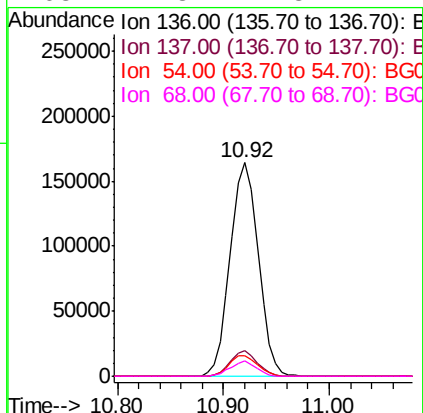
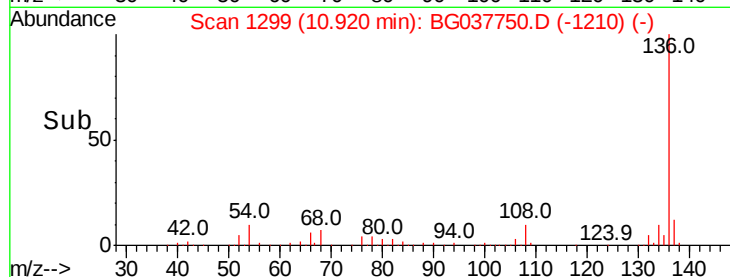
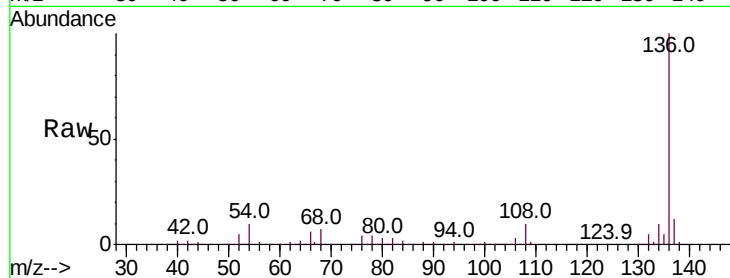




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037750.D
Acq: 2 Nov 2018 11:28

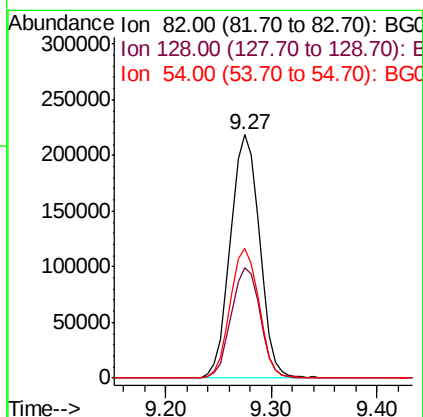
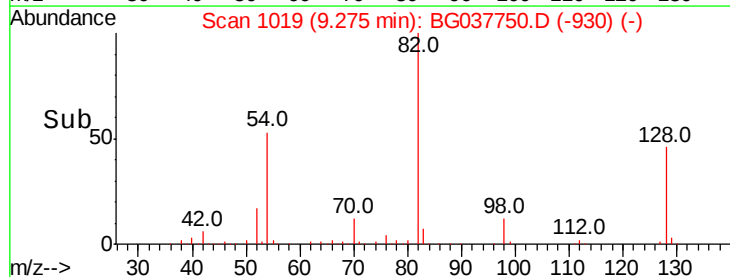
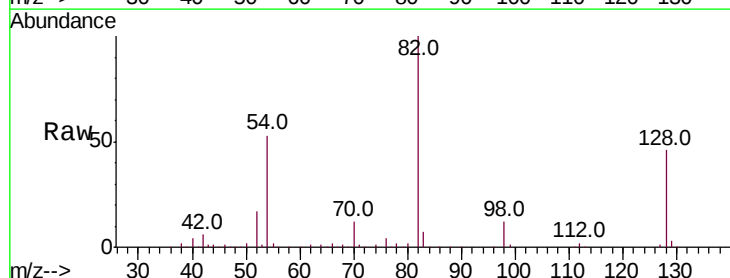
Instrument :
BNA_G
ClientSampleId :

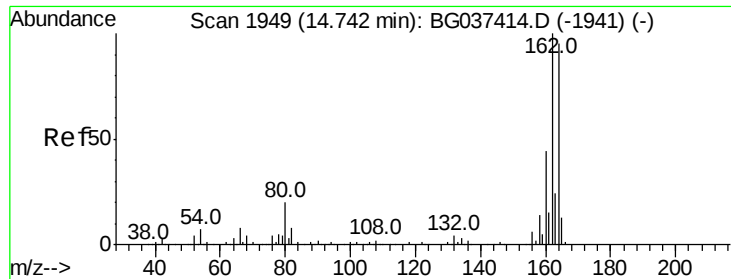
Tot Ion:	136	Resp:	303756
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	9.5	7.9	11.9
68	7.3	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 77.027 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037750.D
Acq: 2 Nov 2018 11:28

Tgt Ion:	82	Resp:	417667
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	53.5	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

Instrument :

BNA_G

ClientSampleId :

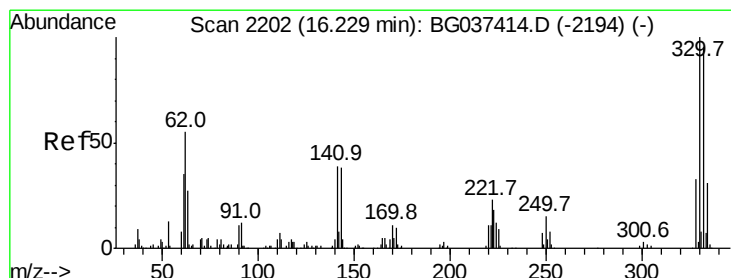
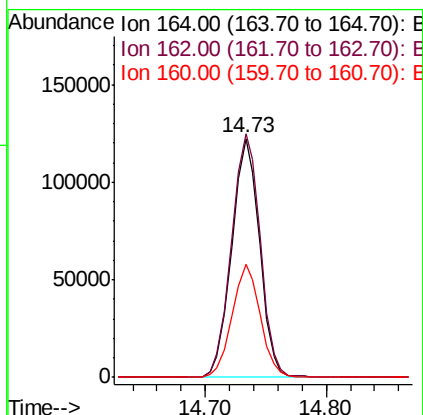
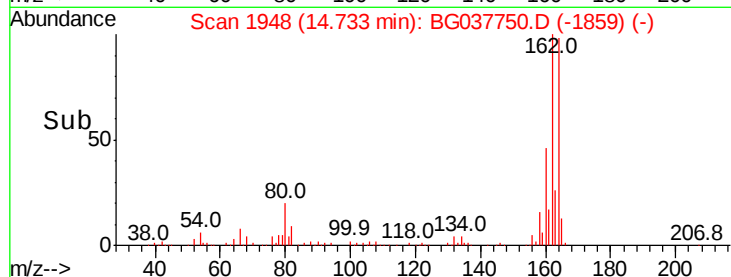
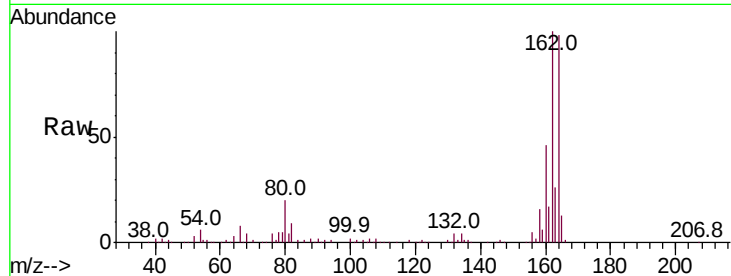
Tot Ion:164 Resp: 196868

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

160 47.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 99.040 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

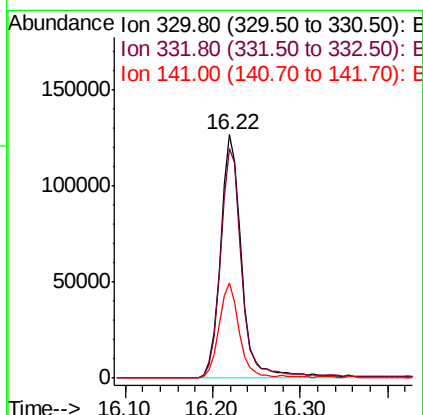
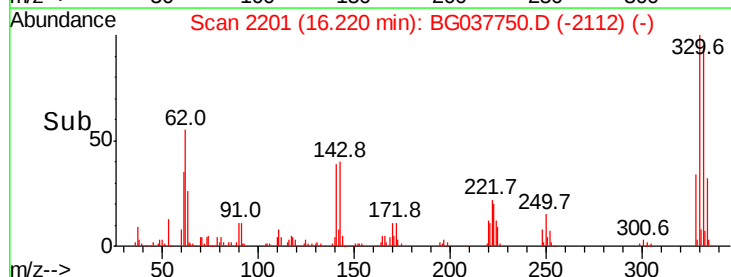
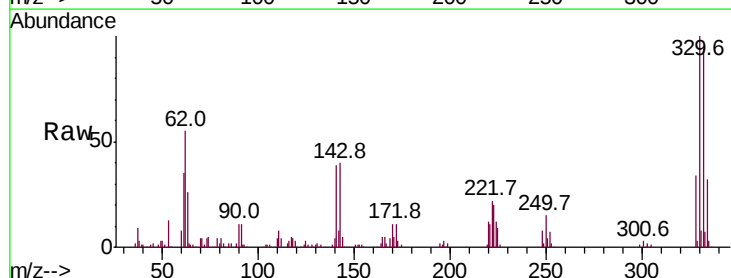
Tgt Ion:330 Resp: 212661

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

141 38.2 32.2 48.2



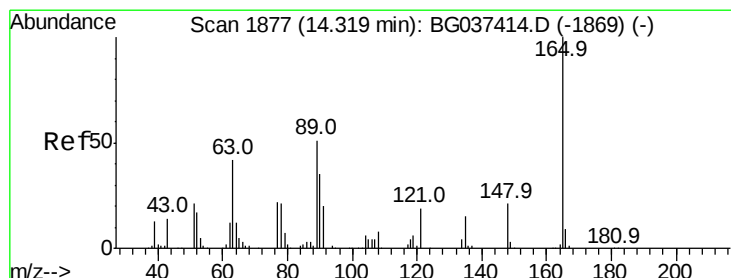
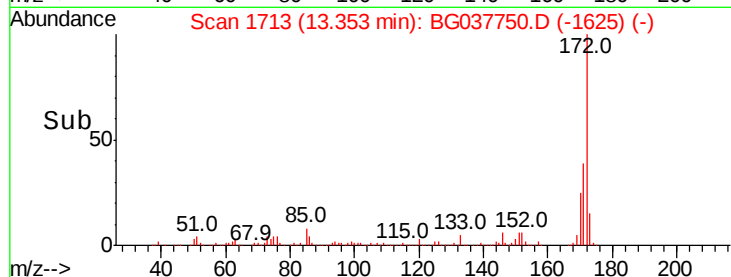
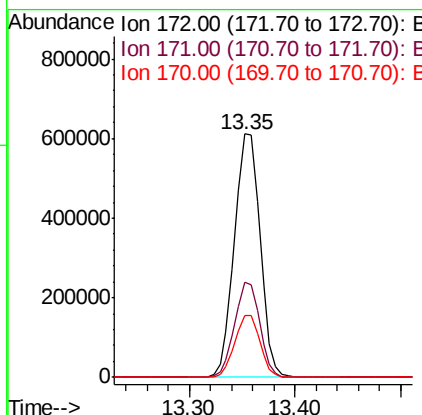
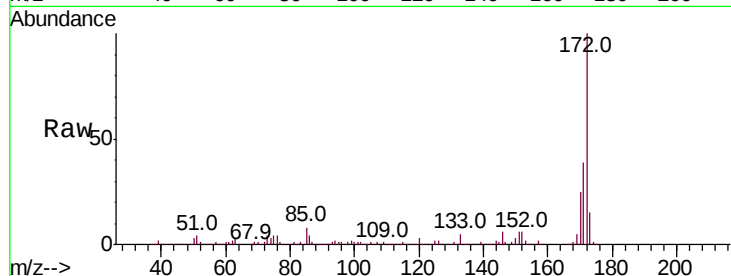


#45
 2-Fluorobiphenyl
 Concen: 78.988 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037750.D
 Acq: 2 Nov 2018 11:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1031219

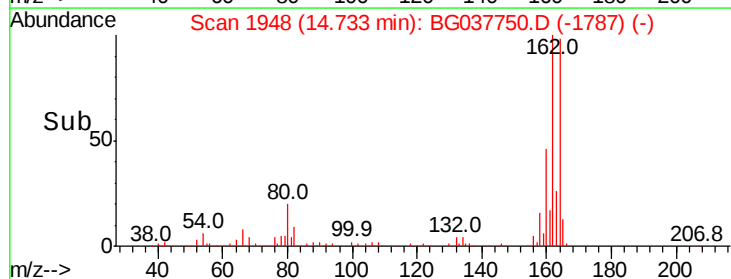
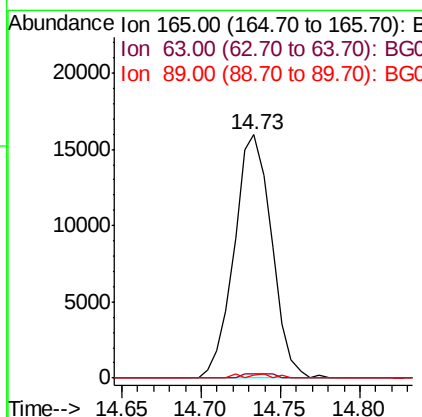
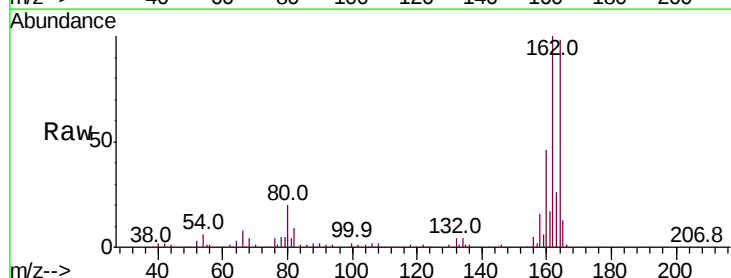
Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.0	46.4
170	25.5	20.2	30.2

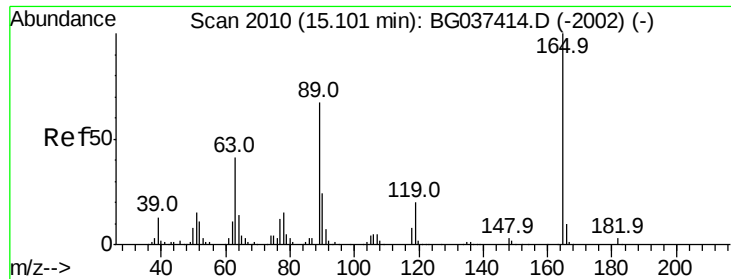


#51
 2,6-Dinitrotoluene
 Concen: 7.745 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037750.D
 Acq: 2 Nov 2018 11:28

Tgt Ion:165 Resp: 26093

Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	1.0	45.8	68.6#

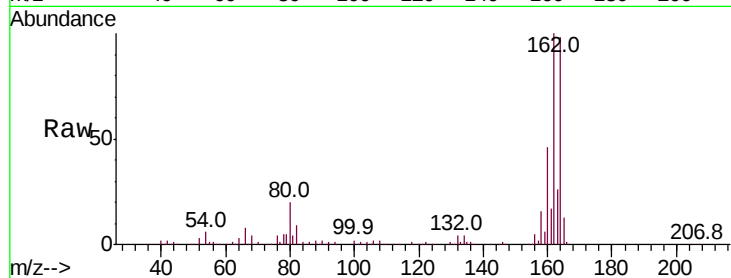




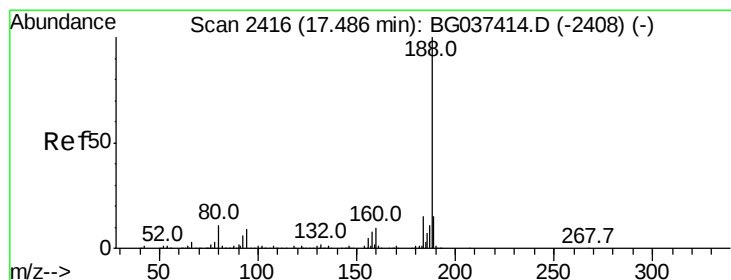
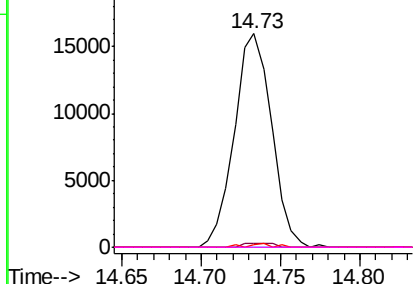
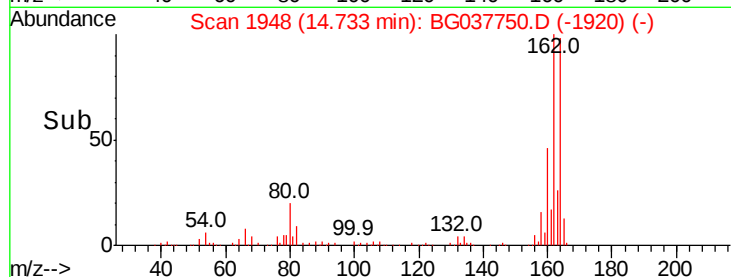
#57
 2,4-Dinitrotoluene
 Concen: 5.900 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037750.D
 Acq: 2 Nov 2018 11:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 26093
 Ion Ratio Lower Upper
 165 100
 63 1.6 33.4 50.0#
 89 1.0 57.2 85.8#
 182 0.0 2.6 4.0#

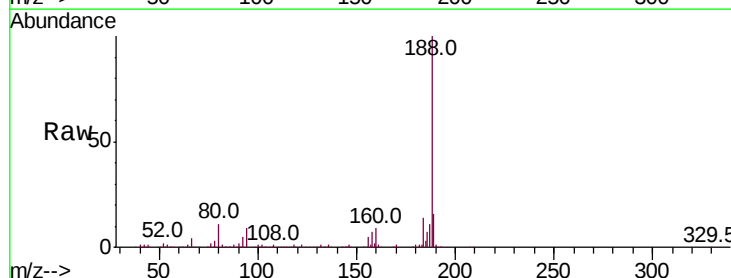


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

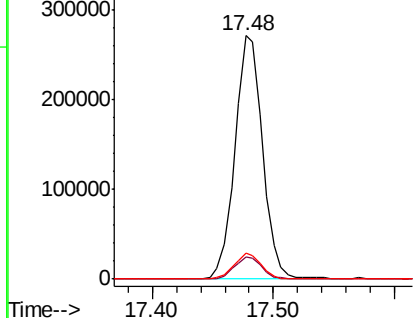
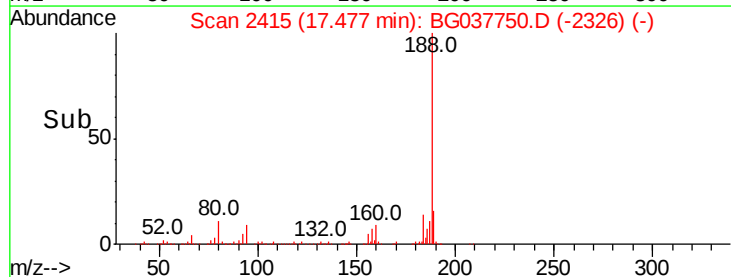


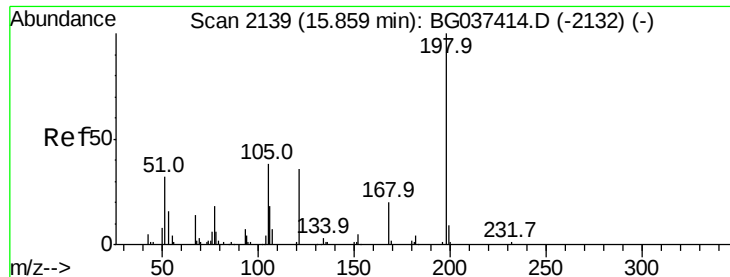
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG037750.D
 Acq: 2 Nov 2018 11:28

Tgt Ion:188 Resp: 433120
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.2 10.8
 80 10.6 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: 8.624 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

Instrument :

BNA_G

ClientSampleId :

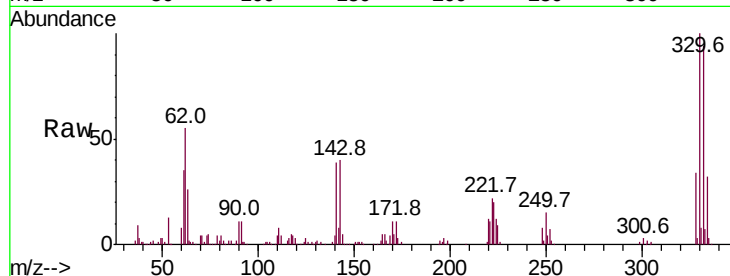
Tot Ion:198 Resp: 323

Ion Ratio Lower Upper

198 100

51 32.2 22.7 62.7

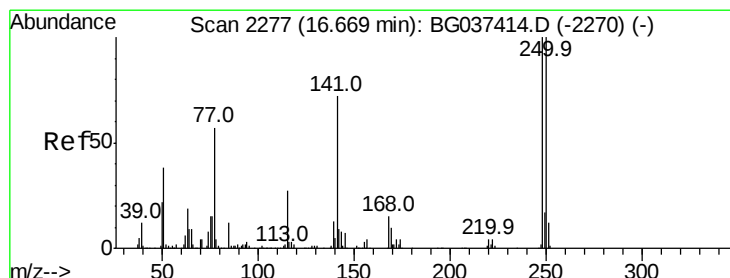
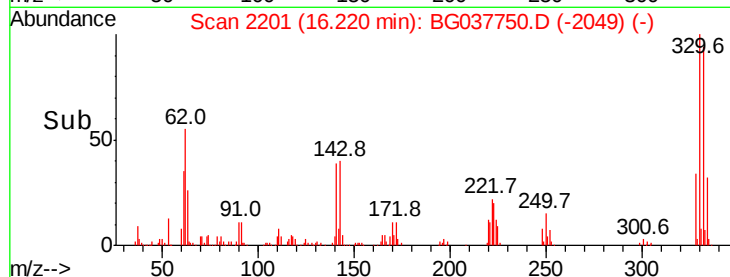
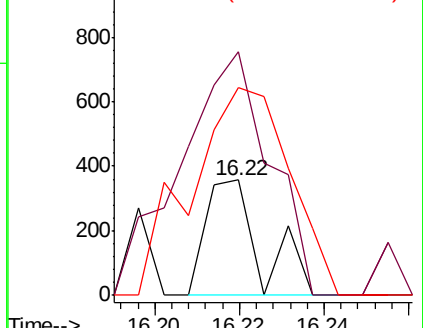
105 27.5 19.7 59.7



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: 3.124 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

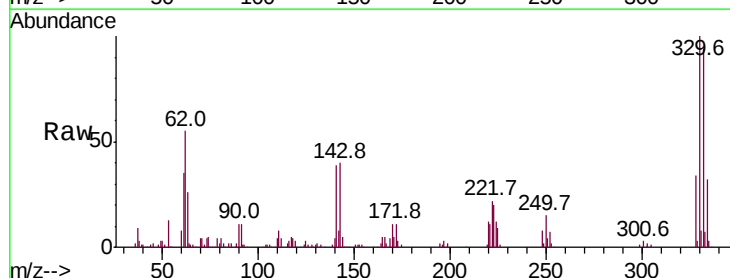
Tgt Ion:248 Resp: 14861

Ion Ratio Lower Upper

248 100

250 196.8 77.0 115.6#

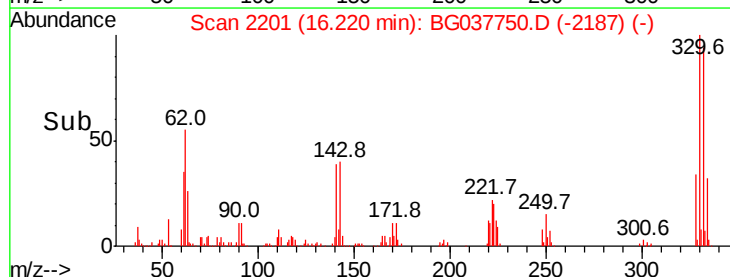
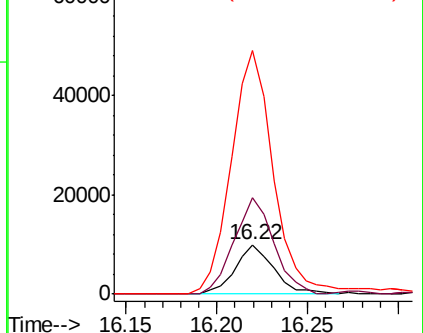
141 389.0 55.5 83.3#

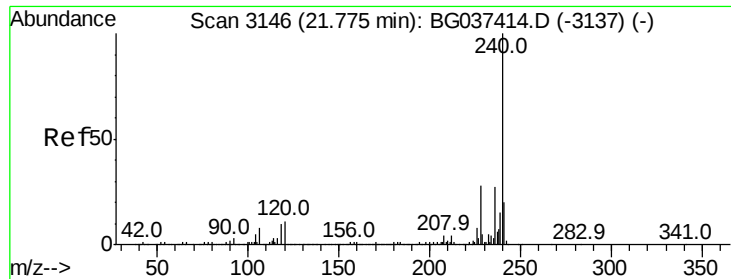


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG037750.D

Acq: 2 Nov 2018 11:28

Instrument :

BNA_G

ClientSampleId :

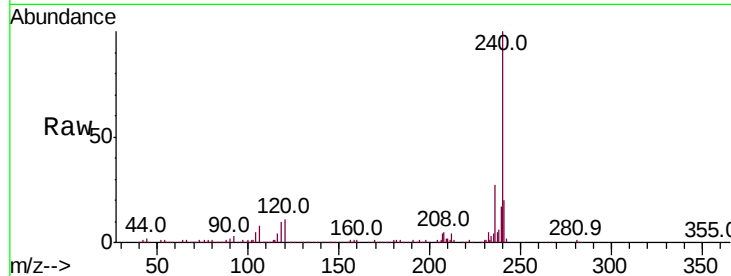
Tot Ion:240 Resp: 385957

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.1	12.1
236	27.0	21.4	32.0

240 100

120 11.0 8.1 12.1

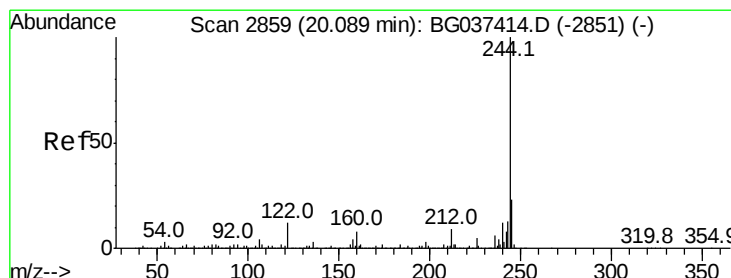
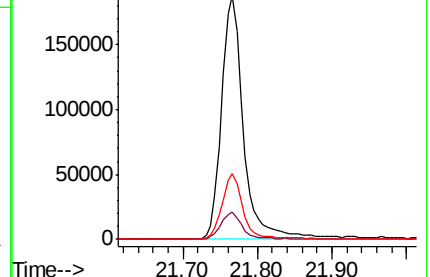
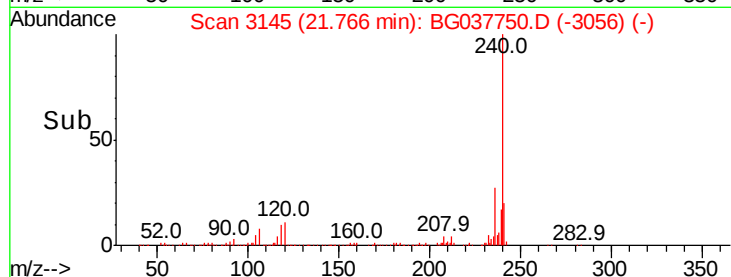
236 27.0 21.4 32.0



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: 83.306 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037750.D

Acq: 2 Nov 2018 11:28

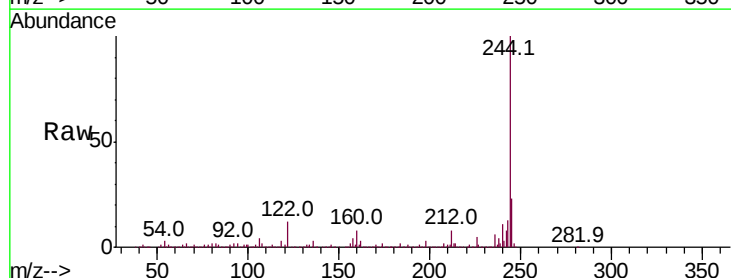
Tgt Ion:244 Resp: 1504732

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.9	9.0	13.4

244 100

212 8.4 6.5 9.7

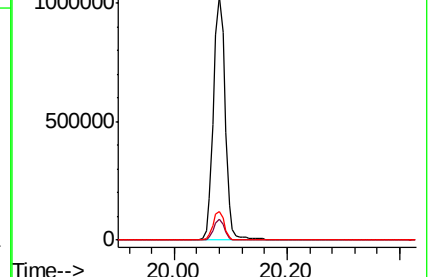
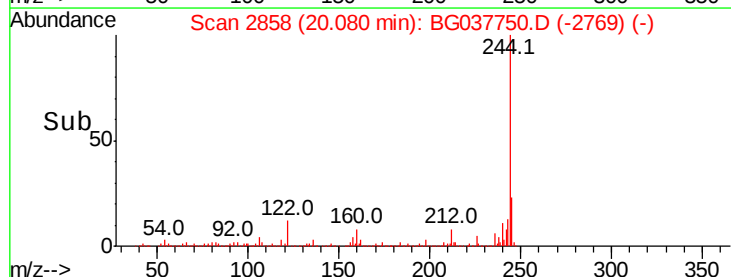
122 11.9 9.0 13.4

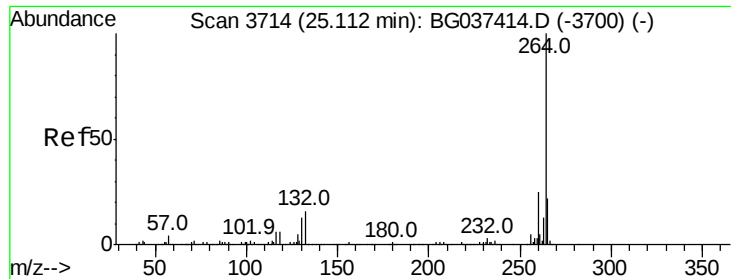


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037750.D
 Acq: 2 Nov 2018 11:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.2	27.4
265	21.4	17.9	26.9

