

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
 Data File : BG037757.D
 Acq On : 2 Nov 2018 16:41
 Operator : JU/SJ
 Sample : J5776-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 03 02:28:07 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

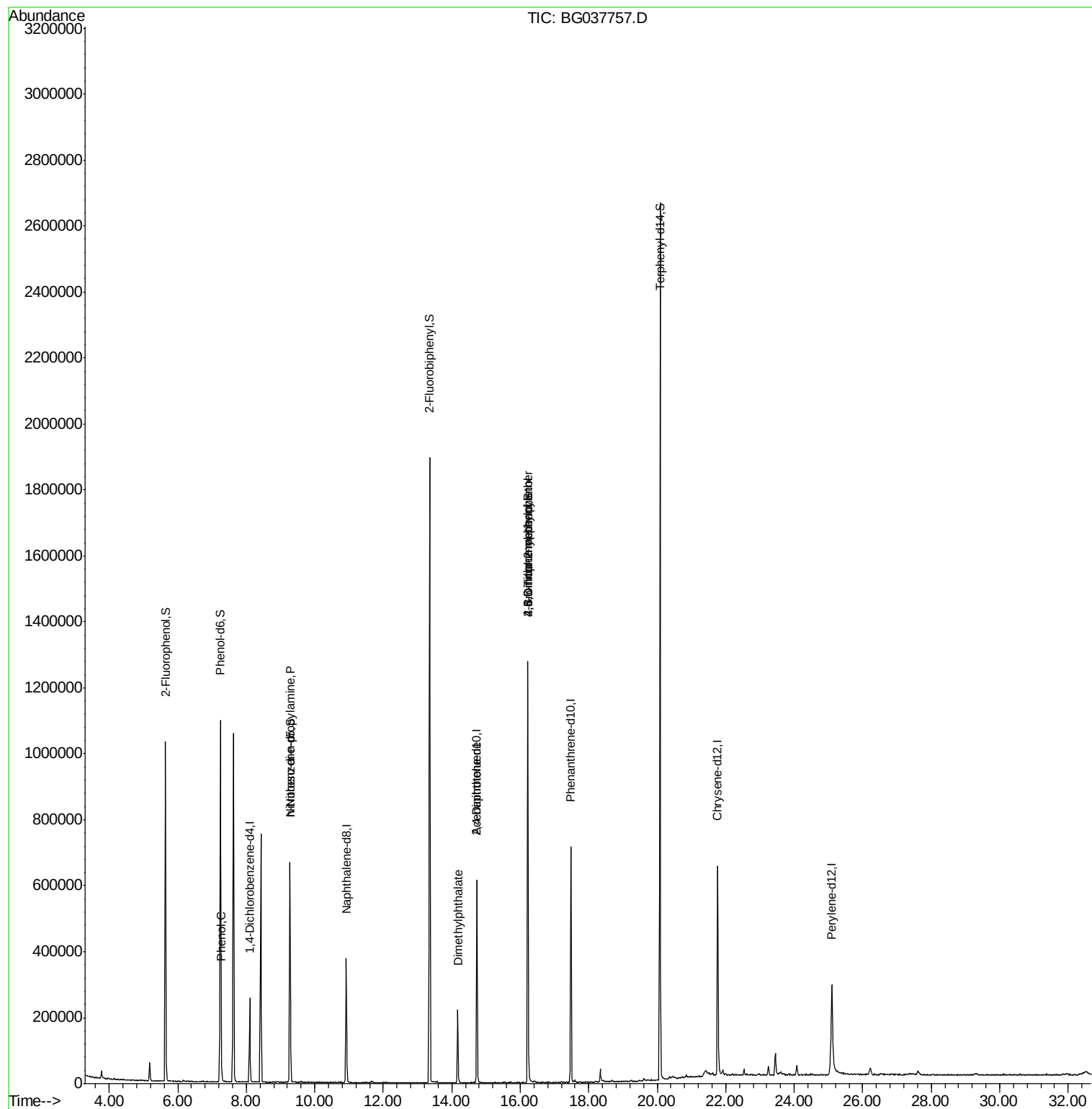
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	77201	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	346705	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	220858	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	481126	20.00	ng	0.00
76) Chrysene-d12	21.76	240	427914	20.00	ng	-0.01
87) Perylene-d12	25.10	264	396589	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	476191	103.12	ng	0.00
7) Phenol-d6	7.24	99	701823	100.51	ng	0.00
23) Nitrobenzene-d5	9.28	82	424749	68.63	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	244256	101.40	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1037355	70.83	ng	-0.01
79) Terphenyl-d14	20.08	244	1358269	67.82	ng	0.00
Target Compounds						
10) Phenol	7.27	94	44463	6.035	ng	98
19) n-Nitroso-di-n-propylamine	9.28	70	54691	11.374	ng	# 68
50) Dimethylphthalate	14.18	163	156931	9.185	ng	98
57) 2,4-Dinitrotoluene	14.73	165	28341	5.712	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	593	8.701	ng	83
67) 4-Bromophenyl-phenylether	16.22	248	17867	3.382	ng	# 1

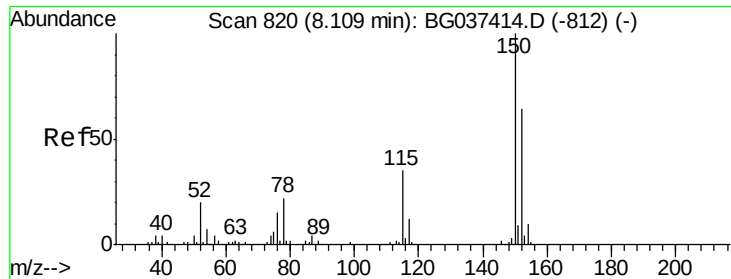
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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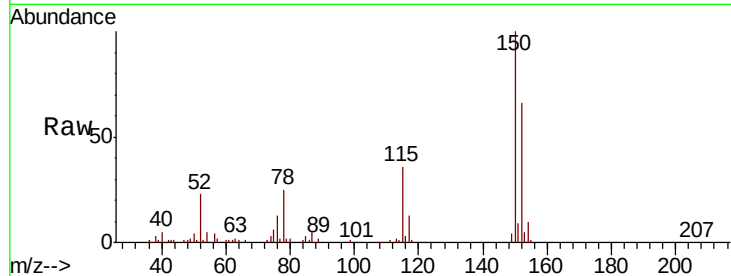


#1

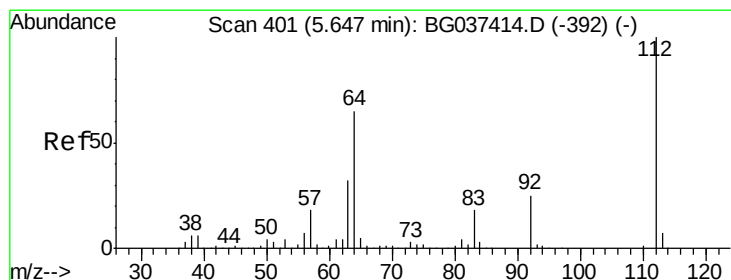
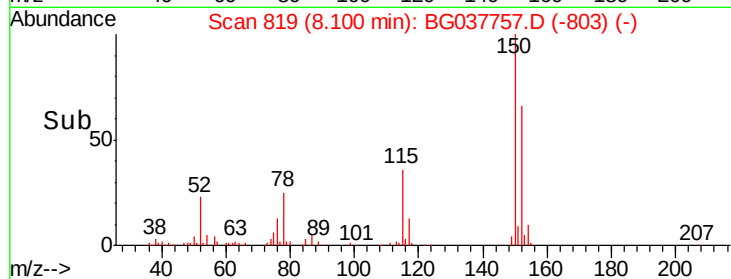
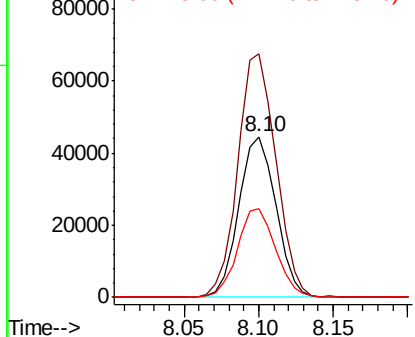
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037757.D
Acq: 2 Nov 2018 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77201
Ion Ratio Lower Upper
152 100
150 151.5 126.0 189.0
115 55.1 45.5 68.3



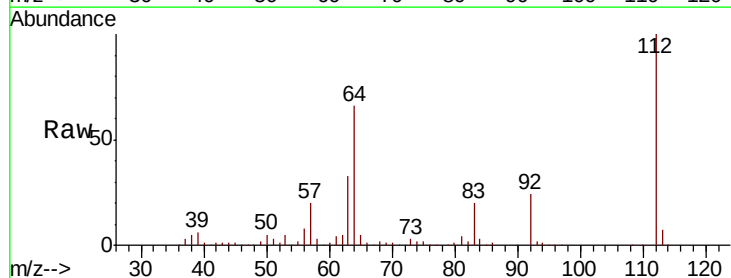
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



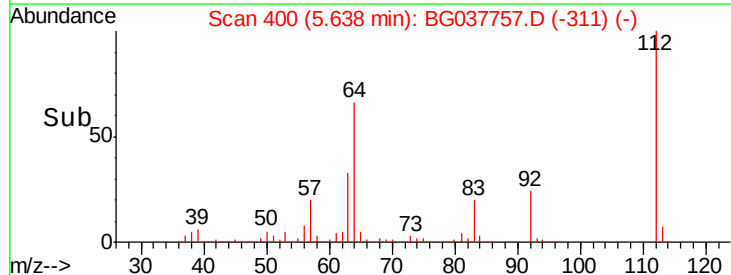
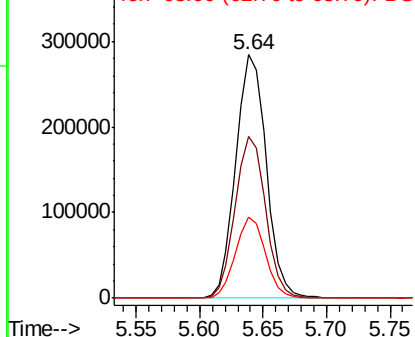
#5

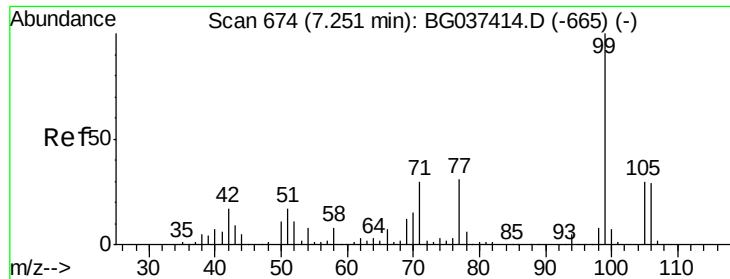
2-Fluorophenol
Concen: 103.123 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037757.D
Acq: 2 Nov 2018 16:41

Tgt Ion:112 Resp: 476191
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.3 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: 100.511 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Instrument :

BNA_G

ClientSampled :

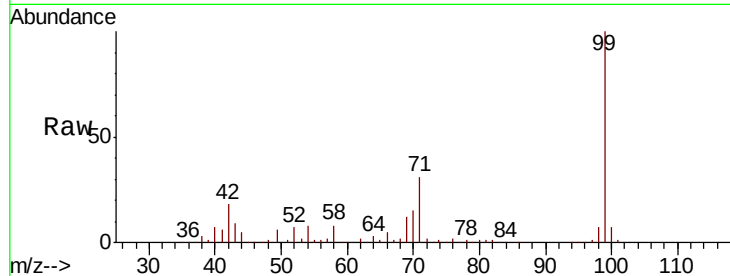
Tot Ion: 99 Resp: 701823

Ion Ratio Lower Upper

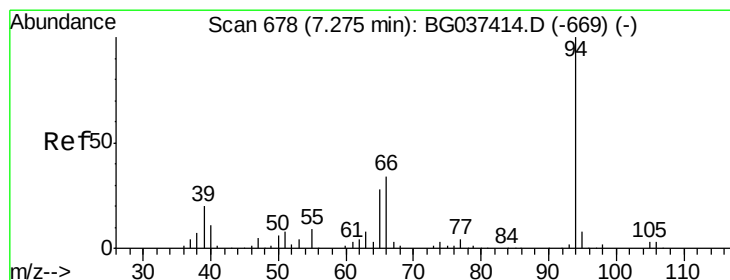
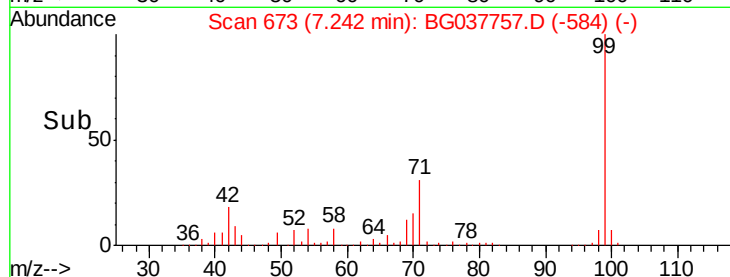
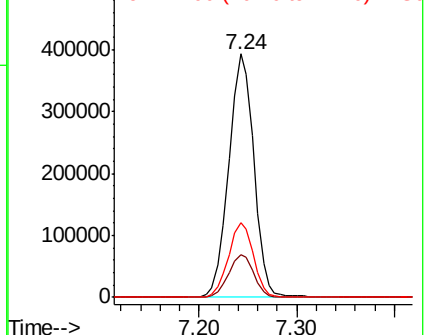
99 100

42 17.5 15.0 22.4

71 30.6 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



#10

Phenol

Concen: 6.035 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

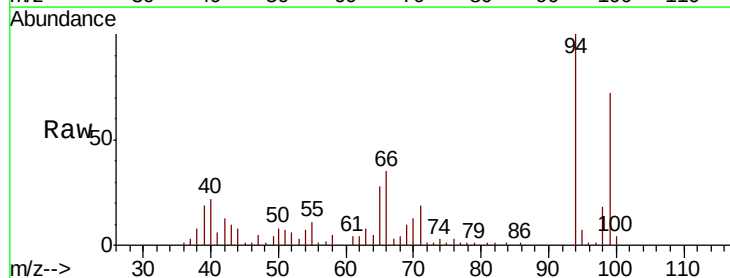
Tgt Ion: 94 Resp: 44463

Ion Ratio Lower Upper

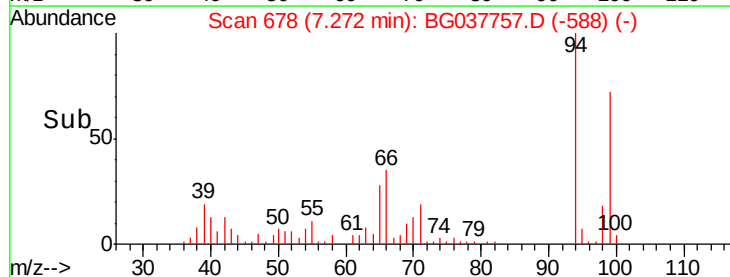
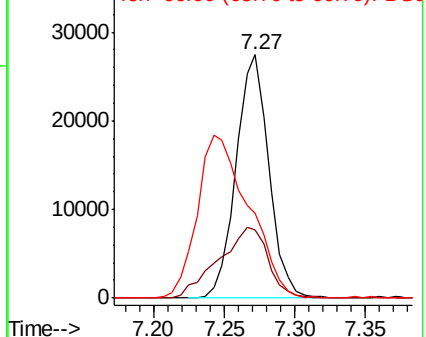
94 100

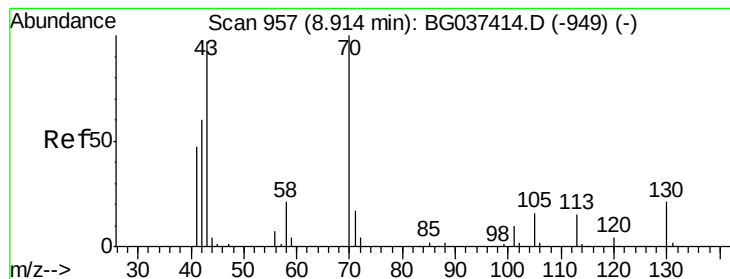
65 28.3 9.7 49.7

66 34.9 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.374 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 54691

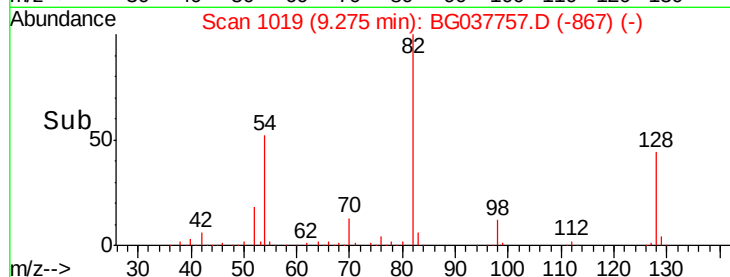
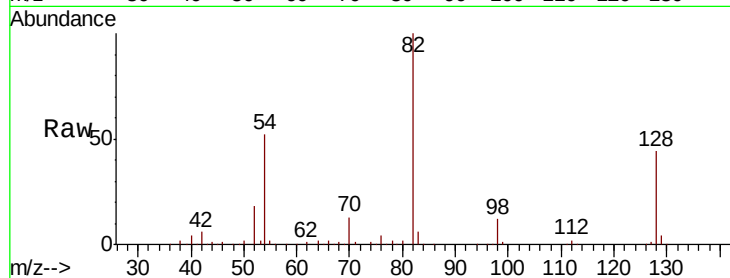
Ion Ratio Lower Upper

70 100

42 43.6 53.9 80.9#

101 0.0 8.2 12.2#

130 2.5 18.2 27.4#

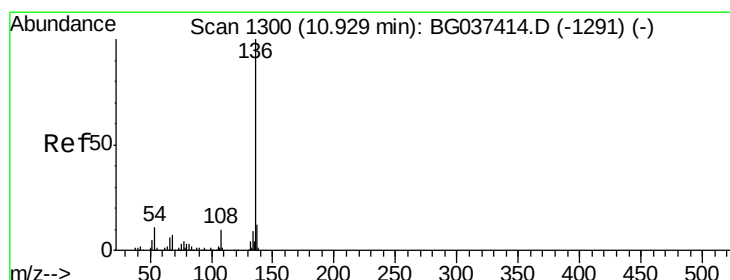
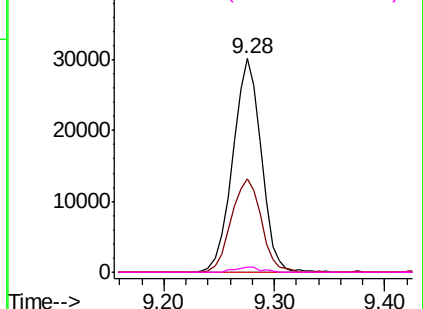


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037757.D

Acq: 2 Nov 2018 16:41

Tgt Ion: 136 Resp: 346705

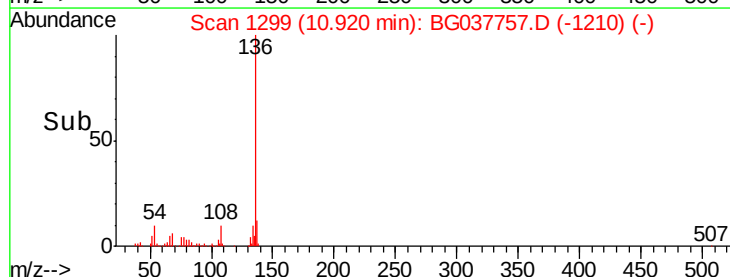
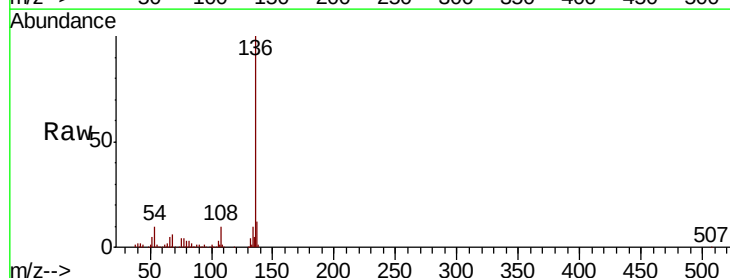
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 10.1 7.9 11.9

68 5.9 4.8 7.2

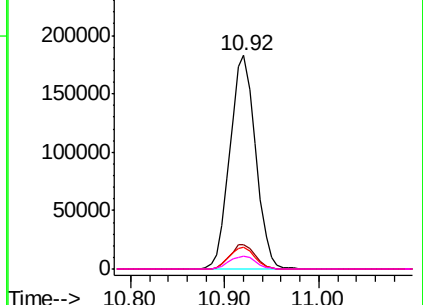


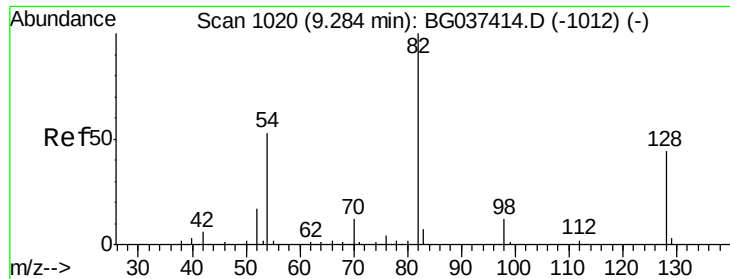
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

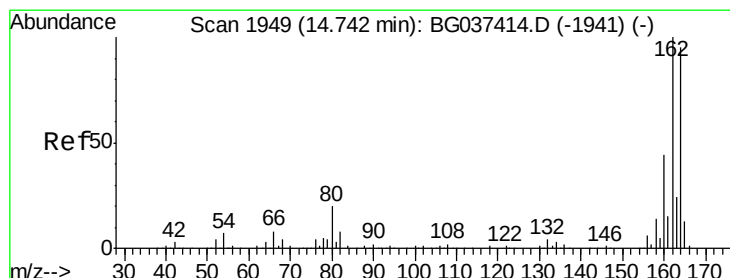
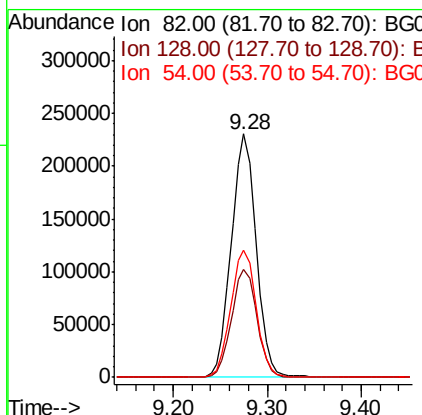
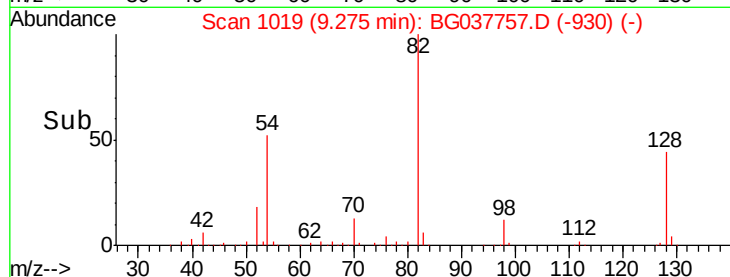
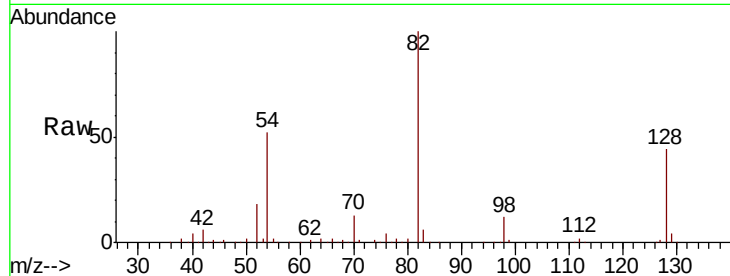




#23
 Nitrobenzene-d5
 Concen: 68.629 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037757.D
 Acq: 2 Nov 2018 16:41

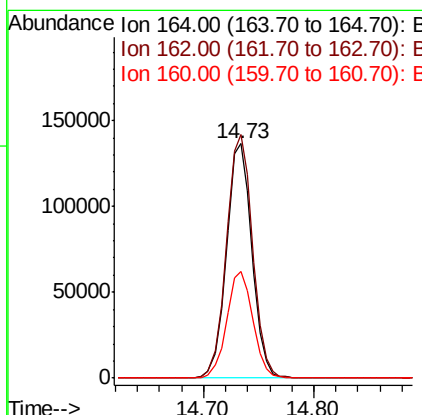
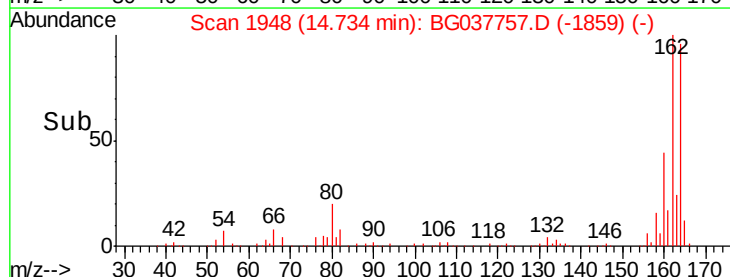
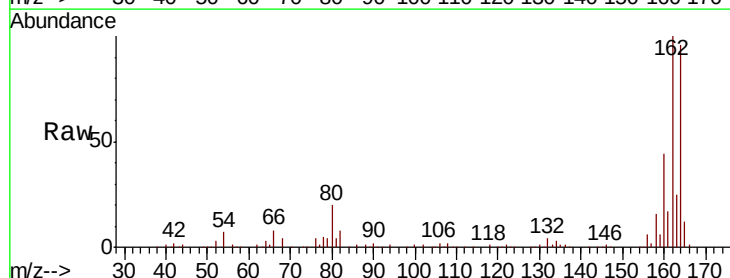
Instrument :
 BNA_G
 ClientSampleID :

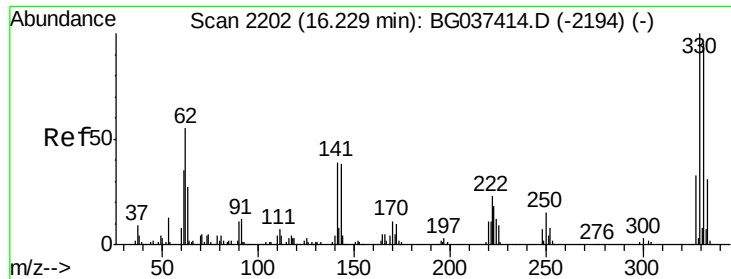
Tot Ion: 82 Resp: 424749
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.6 51.8
 54 52.1 45.3 67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037757.D
 Acq: 2 Nov 2018 16:41

Tgt Ion: 164 Resp: 220858
 Ion Ratio Lower Upper
 164 100
 162 103.8 81.3 121.9
 160 45.3 36.3 54.5

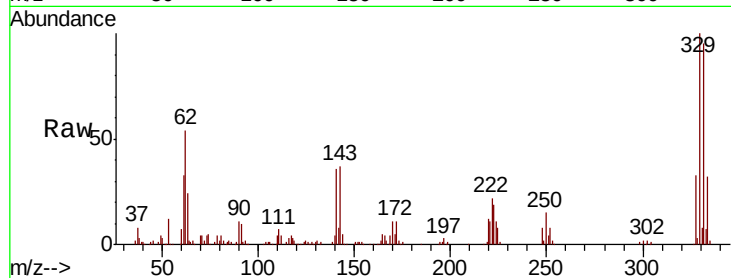




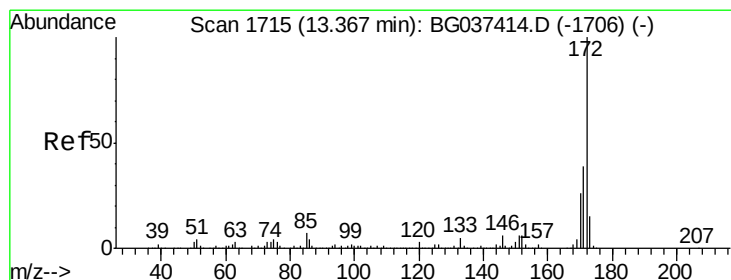
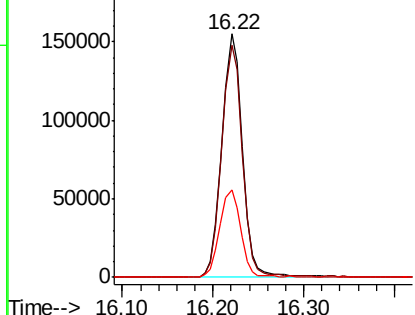
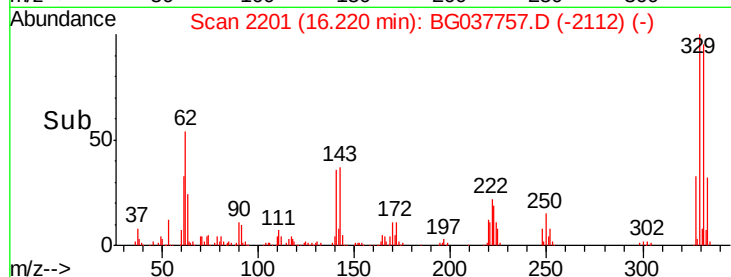
#42
 2,4,6-Tribromophenol
 Concen: 101.398 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037757.D
 Acq: 2 Nov 2018 16:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 244256
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.4 117.6
 141 36.7 32.2 48.2

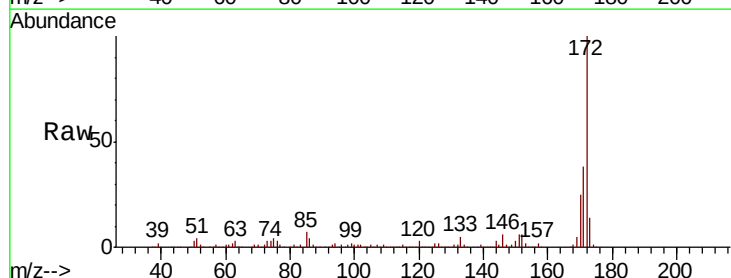


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

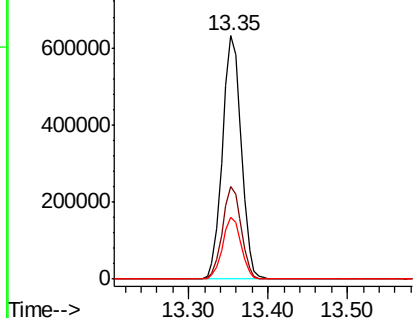
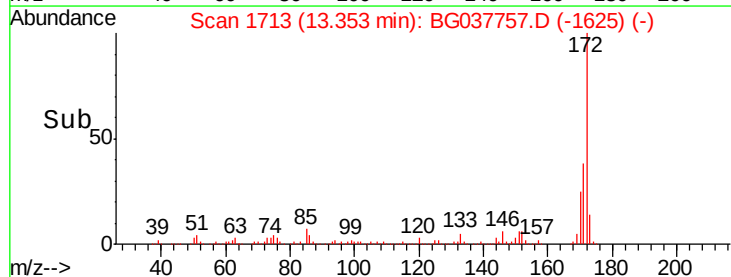


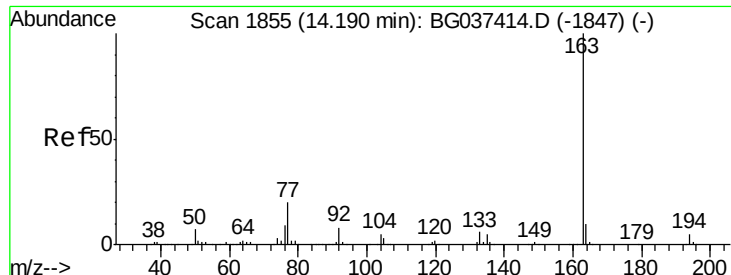
#45
 2-Fluorobiphenyl
 Concen: 70.827 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037757.D
 Acq: 2 Nov 2018 16:41

Tgt Ion:172 Resp: 1037355
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.0 46.4
 170 25.4 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





#50

Dimethylphthalate

Concen: 9.185 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Instrument :

BNA_G

ClientSampled :

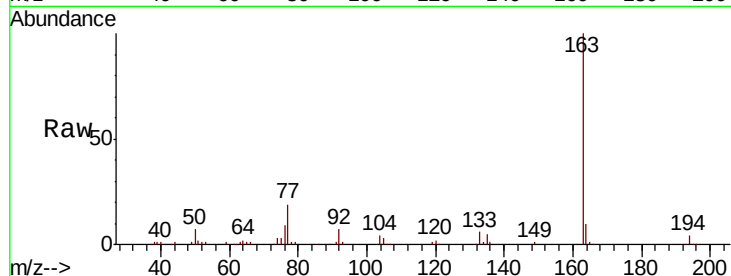
Tot Ion:163 Resp: 156931

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.7 8.5 12.7

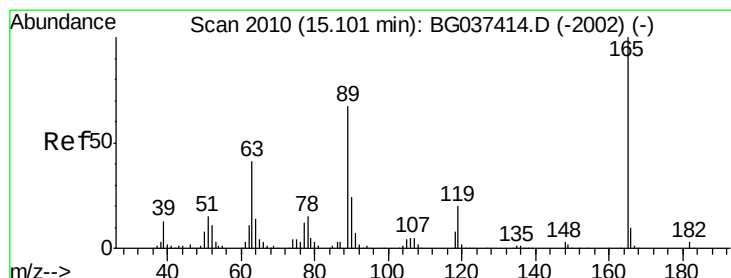
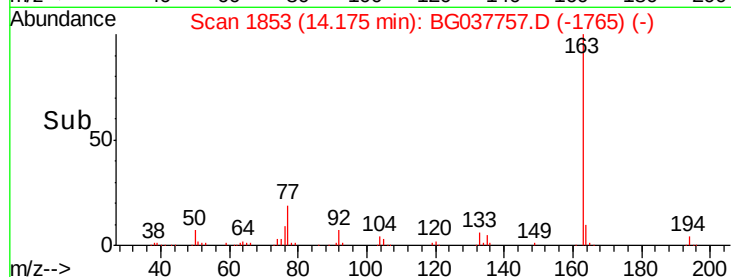
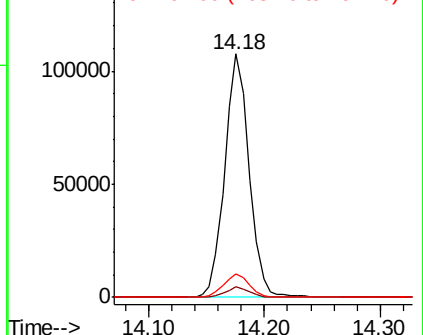


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.712 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Tgt Ion:165 Resp: 28341

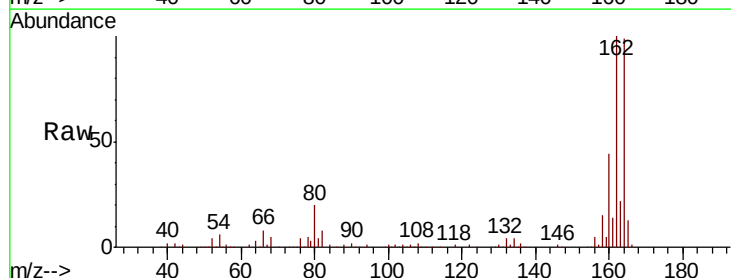
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#



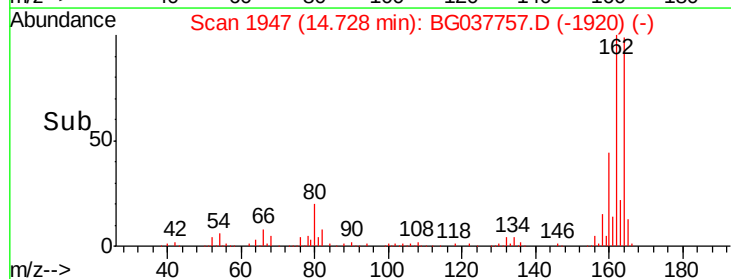
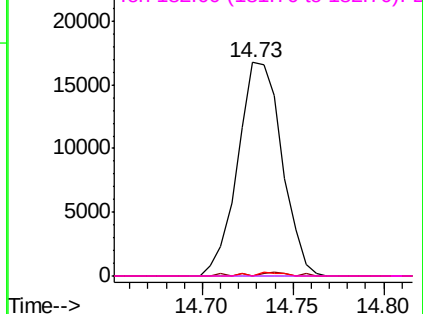
Abundance

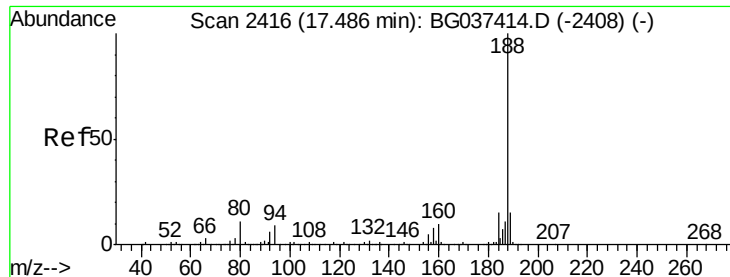
Ion 165.00 (164.70 to 165.70): E

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# 2416

Delta R.T. -0.00 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Instrument :

BNA_G

ClientSampleId :

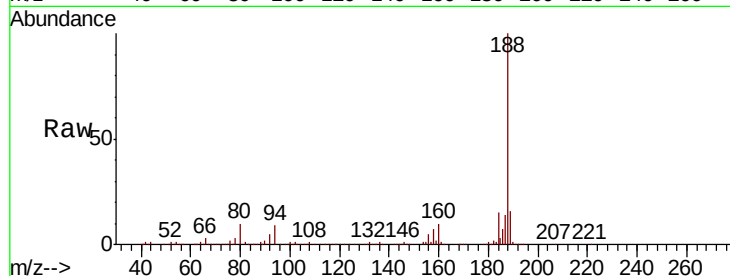
Tot Ion:188 Resp: 481126

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 9.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

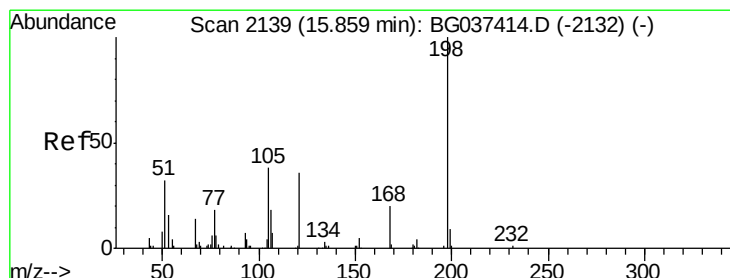
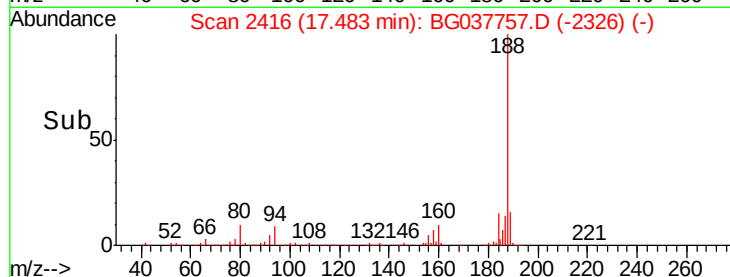
17.48

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.701 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

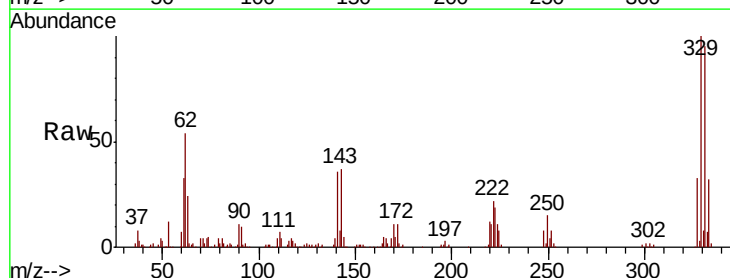
Tgt Ion:198 Resp: 593

Ion Ratio Lower Upper

198 100

51 28.1 22.7 62.7

105 33.5 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

16.22

800

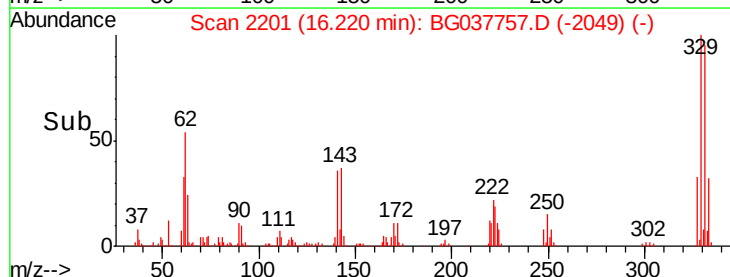
600

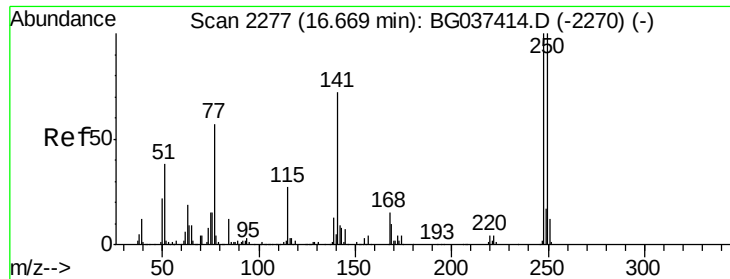
400

200

0

Time-->

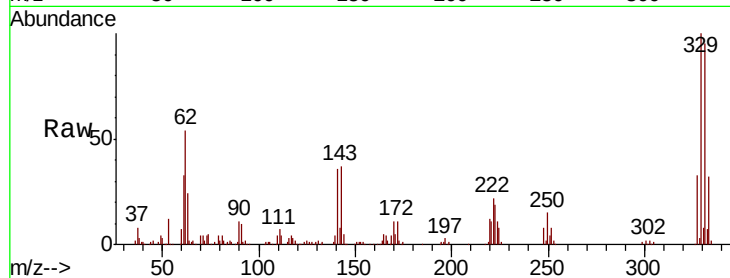




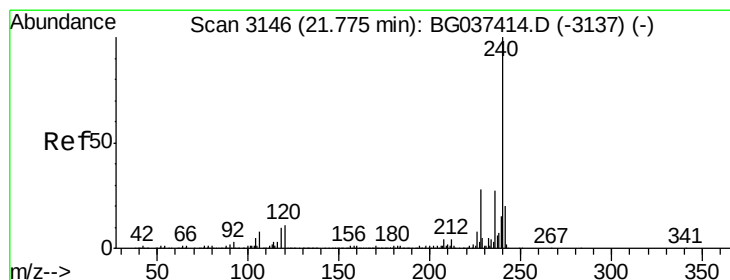
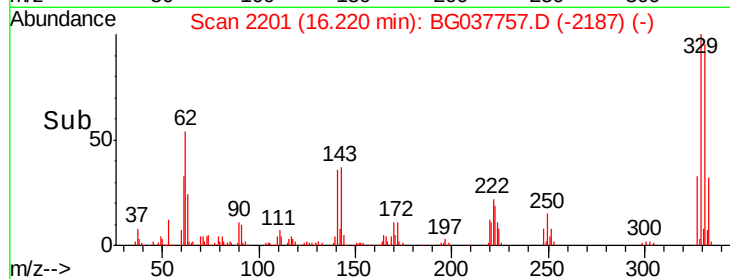
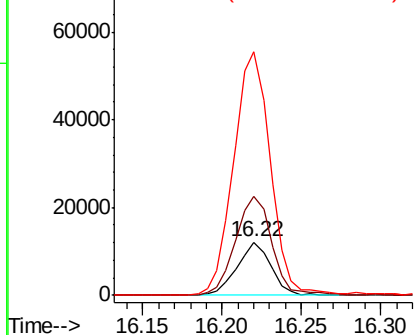
#67
4-Bromophenyl-phenylether
Concen: 3.382 ng
RT: 16.22 min Scan# 2201
Delta R.T. -0.45 min
Lab File: BG037757.D
Acq: 2 Nov 2018 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17867
Ion Ratio Lower Upper
248 100
250 185.2 77.0 115.6#
141 359.3 55.5 83.3#

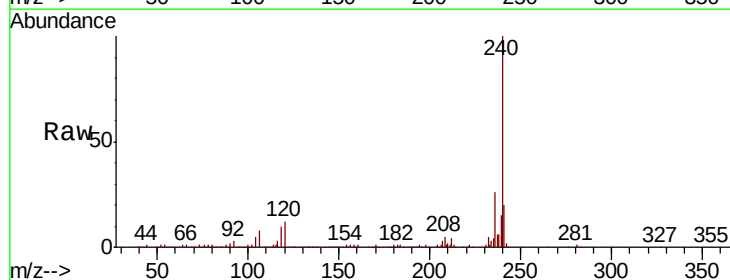


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

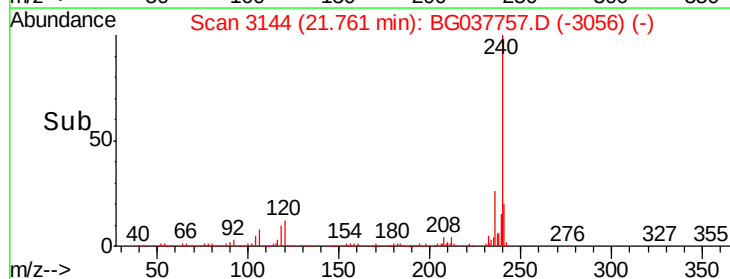
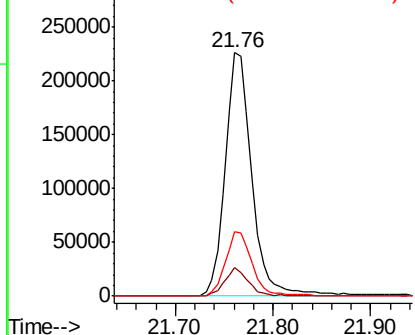


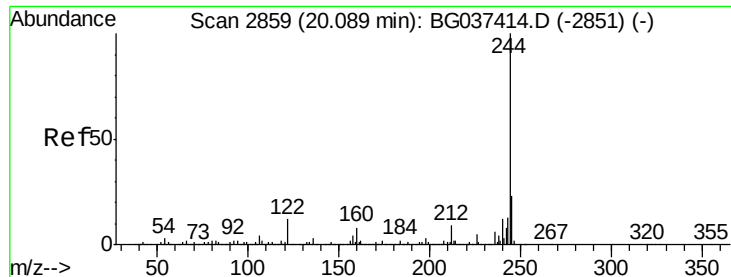
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037757.D
Acq: 2 Nov 2018 16:41

Tgt Ion:240 Resp: 427914
Ion Ratio Lower Upper
240 100
120 12.0 8.1 12.1
236 26.5 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: 67.824 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

Instrument :

BNA_G

ClientSampleId :

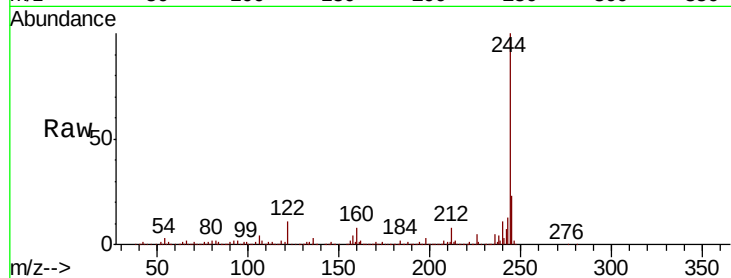
Tot Ion:244 Resp: 1358269

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 11.0 9.0 13.4

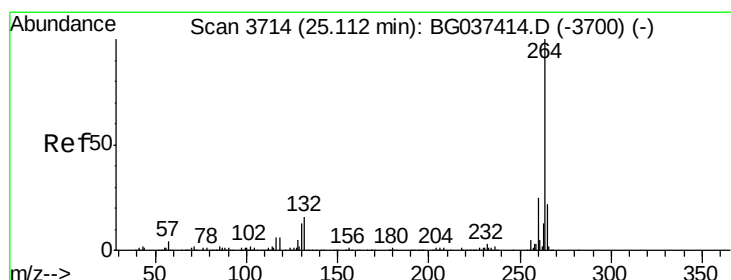
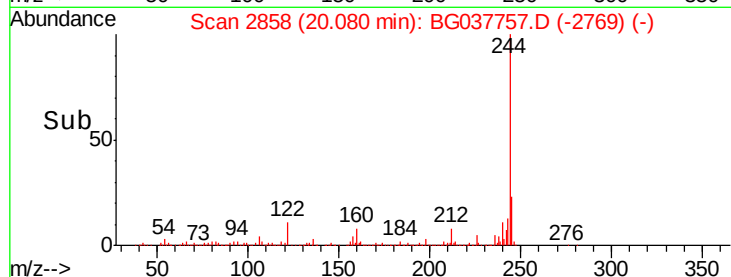
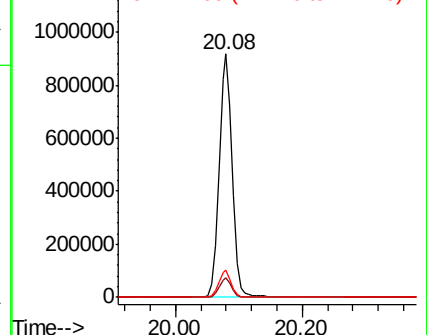


Abundance

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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037757.D

Acq: 2 Nov 2018 16:41

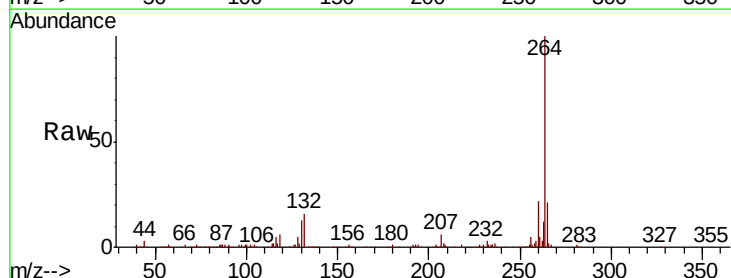
Tgt Ion:264 Resp: 396589

Ion Ratio Lower Upper

264 100

260 21.6 18.2 27.4

265 21.4 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

