

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
 Data File : BG037768.D
 Acq On : 2 Nov 2018 23:55
 Operator : JU/SJ
 Sample : J5780-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 03 02:31:17 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

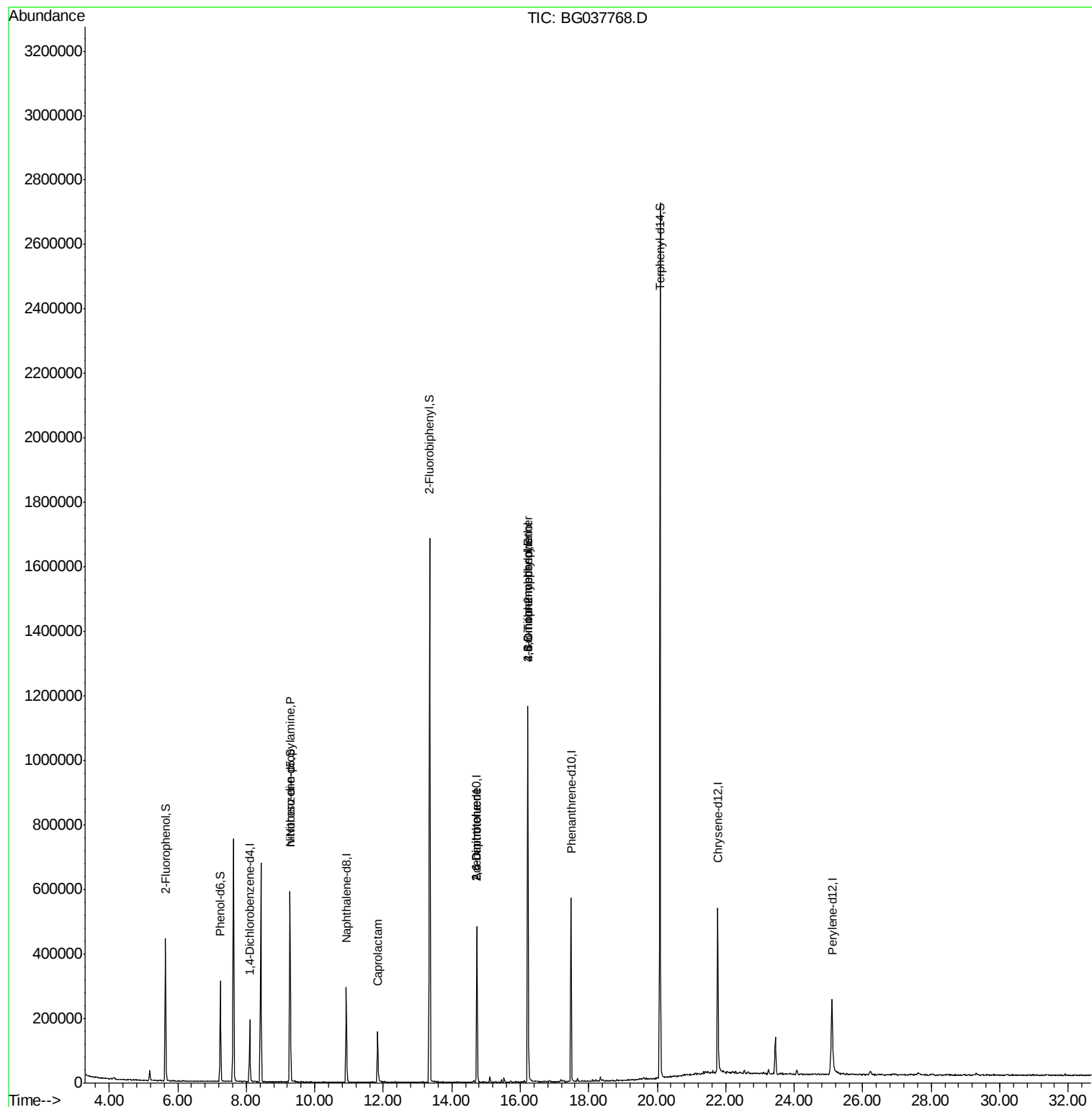
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	56998	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	262757	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	172044	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	375323	20.00	ng	0.00
76) Chrysene-d12	21.77	240	339175	20.00	ng	0.00
87) Perylene-d12	25.10	264	315029	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	210587	61.77	ng	0.00
7) Phenol-d6	7.24	99	202934	39.36	ng	0.00
23) Nitrobenzene-d5	9.28	82	382349	81.52	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	226105	120.50	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	950880	83.34	ng	-0.01
79) Terphenyl-d14	20.08	244	1302932	82.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	47667	13.427	ng	# 70
35) Caprolactam	11.84	113	31545	18.024	ng	# 94
51) 2,6-Dinitrotoluene	14.73	165	22523	7.650	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	22523	5.827	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.22	198	600	8.758	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	16984	4.121	ng	# 1

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

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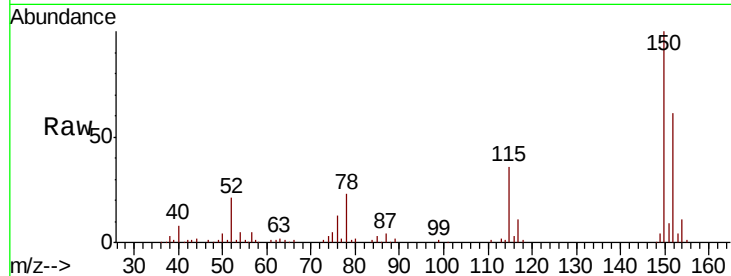


#1

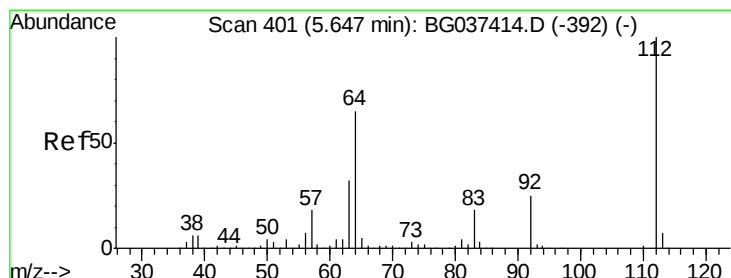
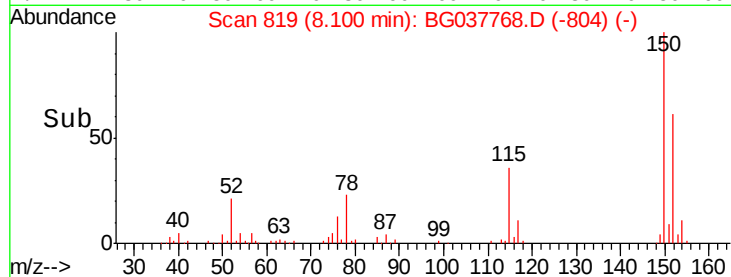
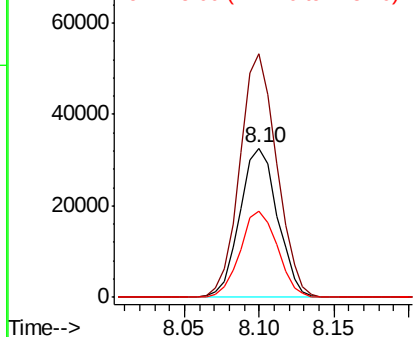
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037768.D
Acq: 2 Nov 2018 23:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56998
Ion Ratio Lower Upper
152 100
150 163.1 126.0 189.0
115 58.1 45.5 68.3



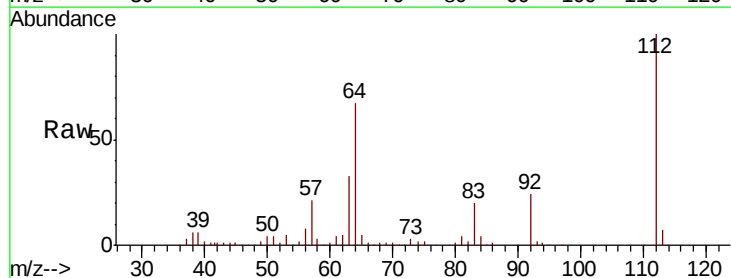
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



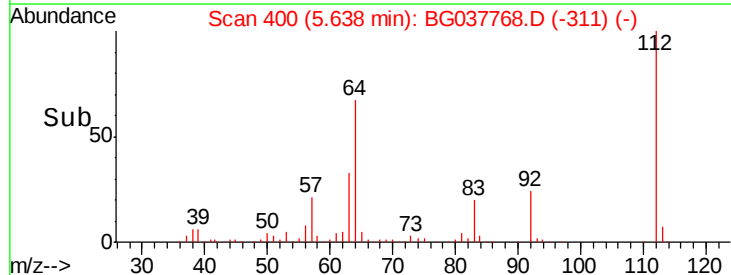
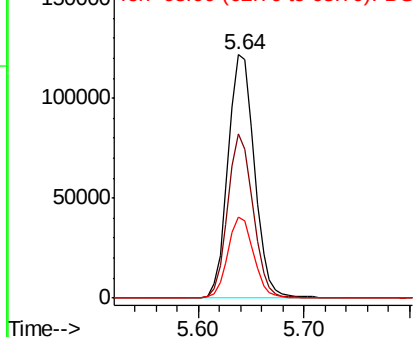
#5

2-Fluorophenol
Concen: 61.769 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037768.D
Acq: 2 Nov 2018 23:55

Tgt Ion:112 Resp: 210587
Ion Ratio Lower Upper
112 100
64 67.3 53.1 79.7
63 33.2 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: 39.365 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Instrument :

BNA_G

ClientSampleId :

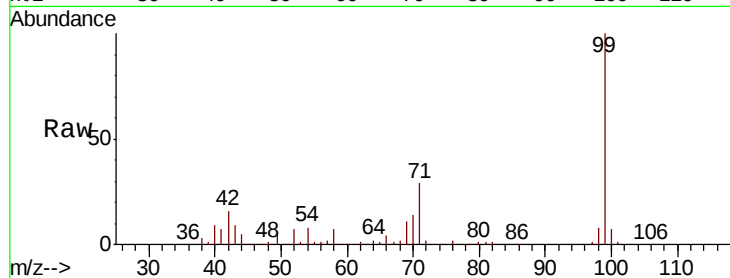
Tot Ion: 99 Resp: 202934

Ion Ratio Lower Upper

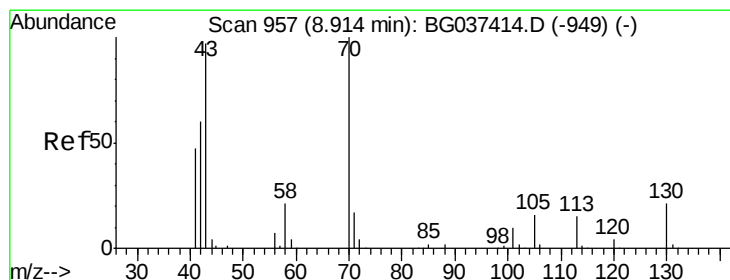
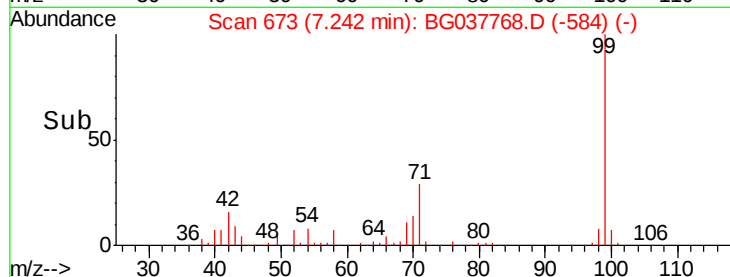
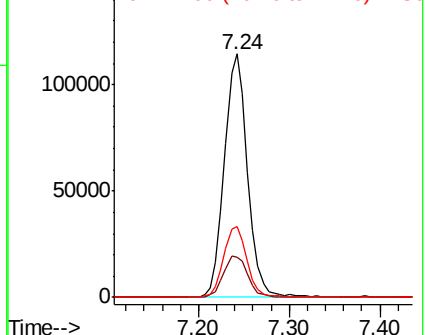
99 100

42 16.2 15.0 22.4

71 29.2 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: 13.427 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Tgt Ion: 70 Resp: 47667

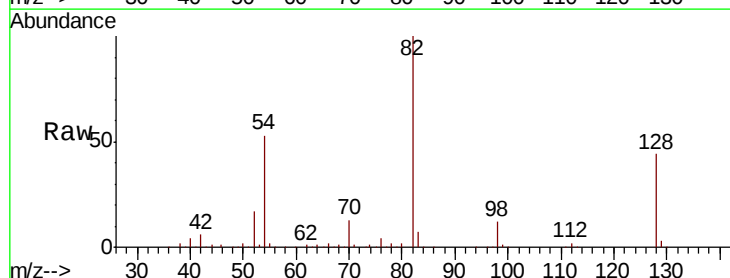
Ion Ratio Lower Upper

70 100

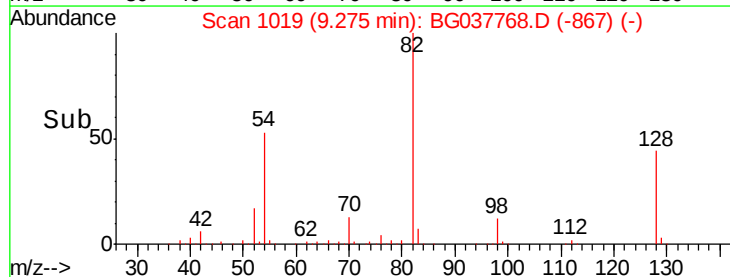
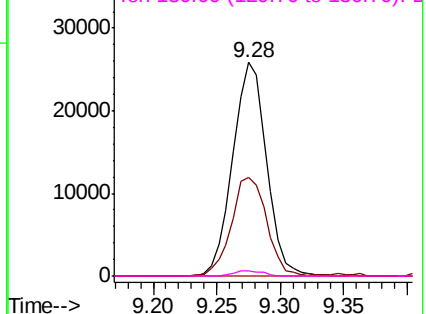
42 46.3 53.9 80.9#

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

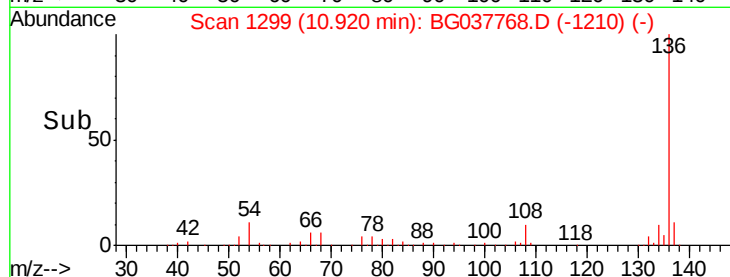
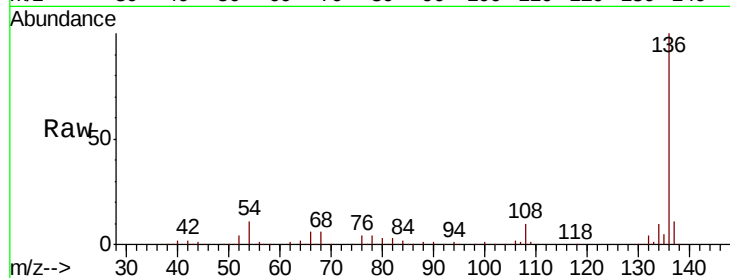




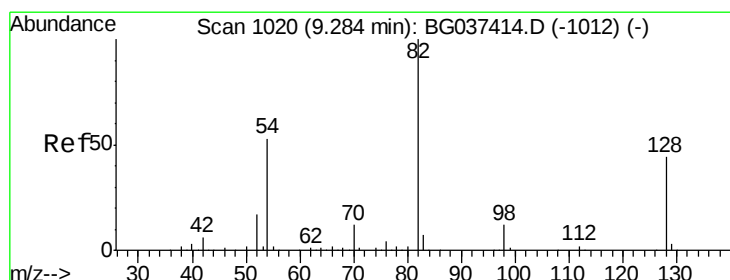
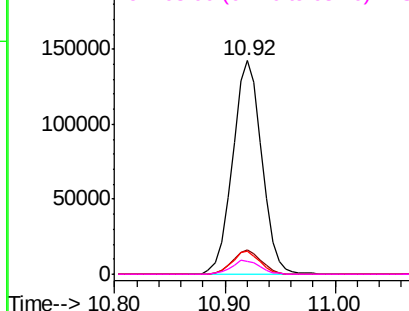
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037768.D
Acq: 2 Nov 2018 23:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	262757
Ion Ratio	Lower	Upper
136 100		
137 11.5	9.6	14.4
54 10.9	7.9	11.9
68 6.1	4.8	7.2

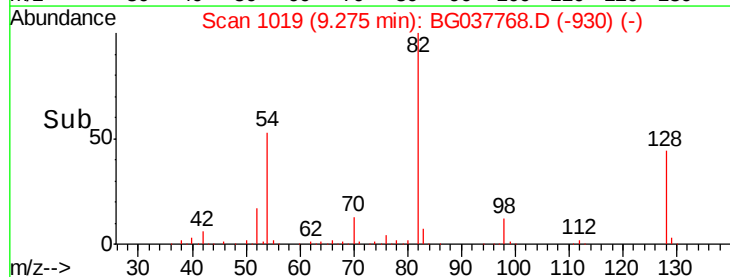
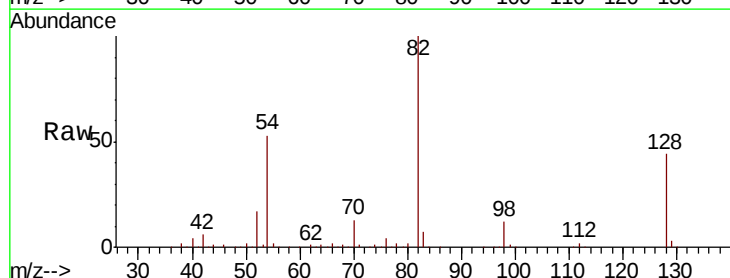


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

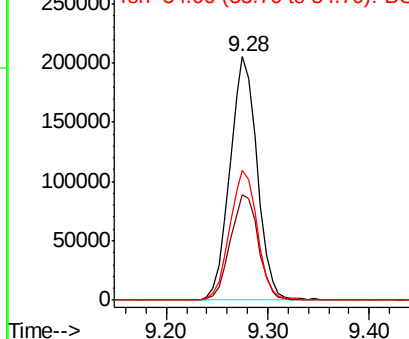


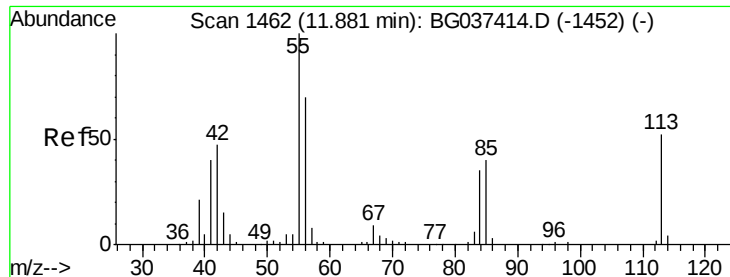
#23
Nitrobenzene-d5
Concen: 81.516 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037768.D
Acq: 2 Nov 2018 23:55

Tgt	Ion: 82	Resp:	382349
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	51.8
54	53.1	45.3	67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#35

Caprolactam

Concen: 18.024 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Instrument :

BNA_G

ClientSampled :

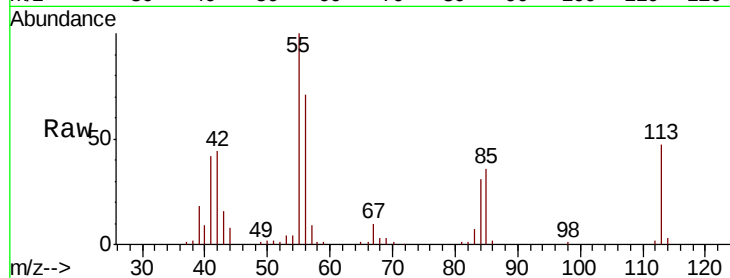
Tot Ion:113 Resp: 31545

Ion Ratio Lower Upper

113 100

55 211.1 176.6 216.6

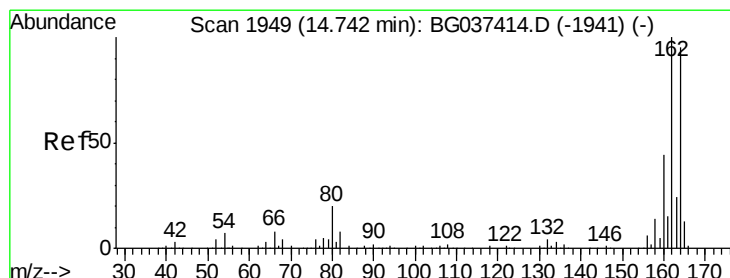
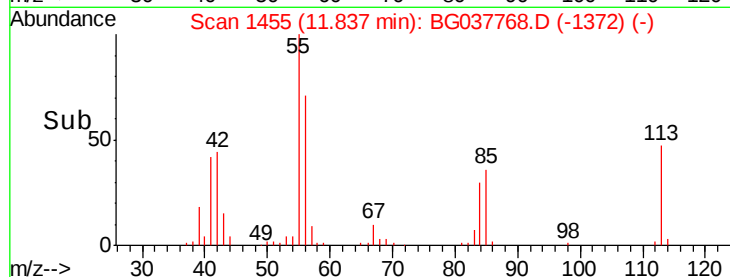
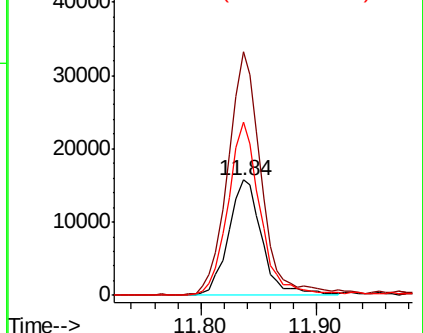
56 150.2 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

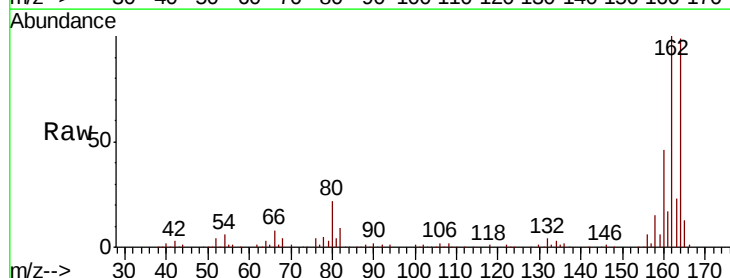
Tgt Ion:164 Resp: 172044

Ion Ratio Lower Upper

164 100

162 101.3 81.3 121.9

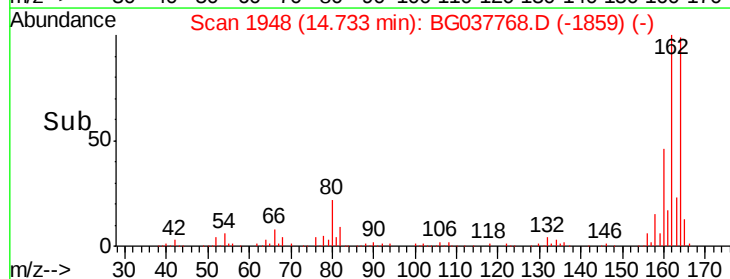
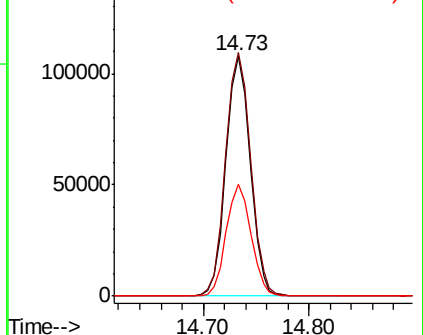
160 46.3 36.3 54.5



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

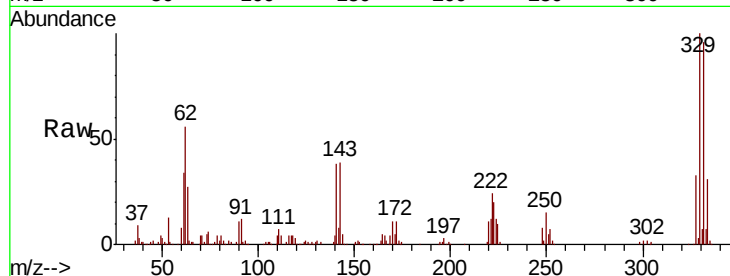




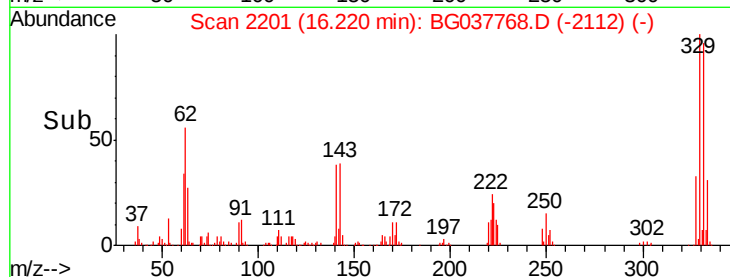
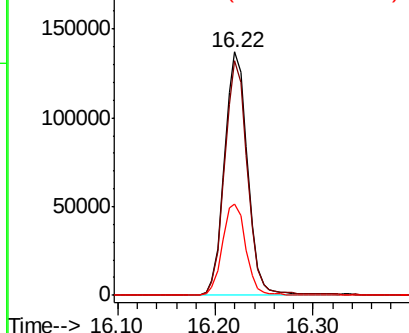
#42
 2,4,6-Tribromophenol
 Concen: 120.495 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037768.D
 Acq: 2 Nov 2018 23:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.4	117.6
141	38.2	32.2	48.2

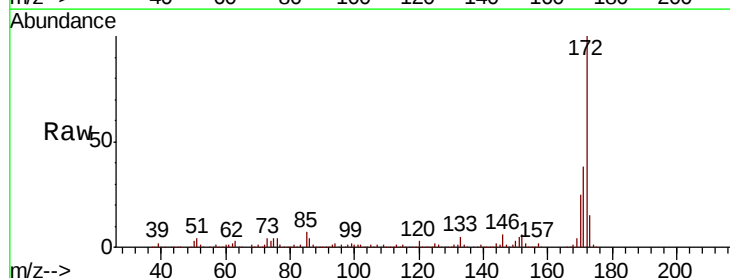


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

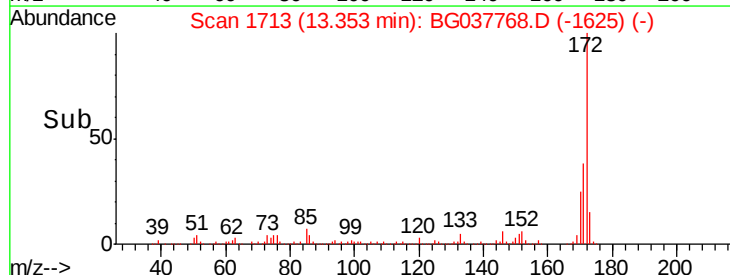
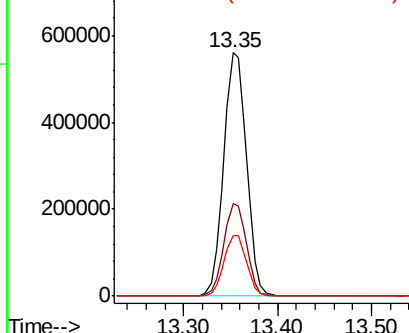


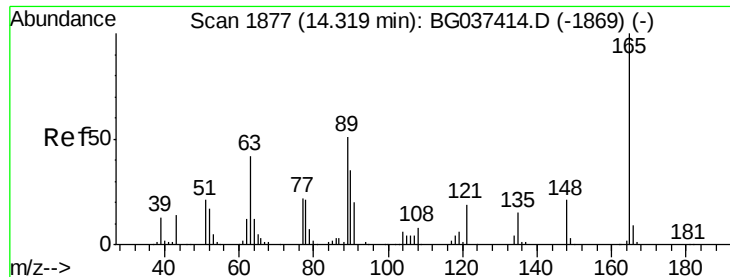
#45
 2-Fluorobiphenyl
 Concen: 83.343 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037768.D
 Acq: 2 Nov 2018 23:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	24.9	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: 7.650 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Instrument :

BNA_G

ClientSampleId :

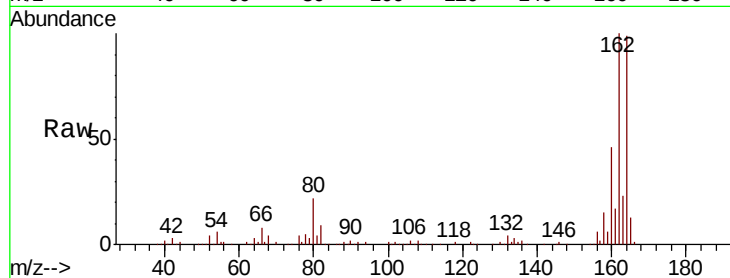
Tot Ion:165 Resp: 22523

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.2#

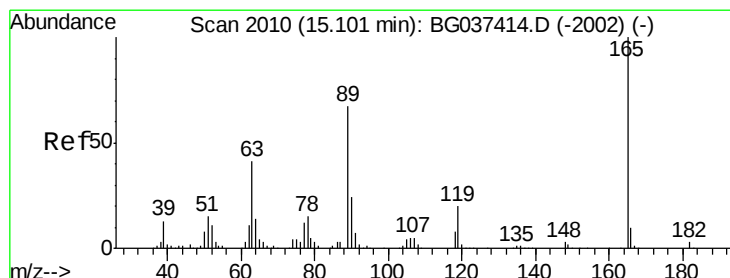
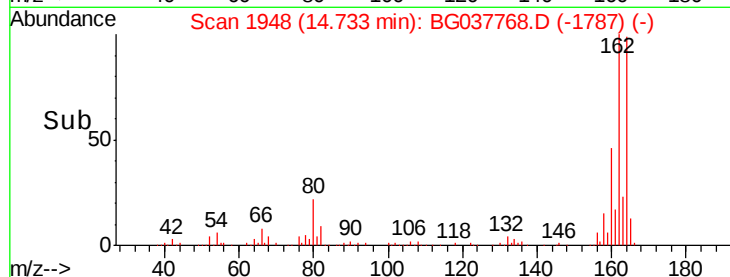
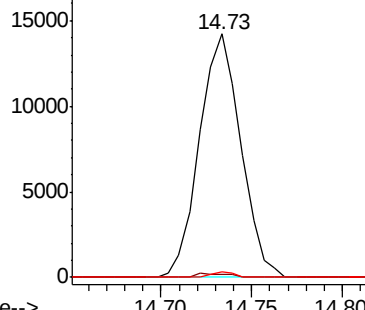
89 2.2 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.827 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Tgt Ion:165 Resp: 22523

Ion Ratio Lower Upper

165 100

63 1.3 33.4 50.0#

89 2.2 57.2 85.8#

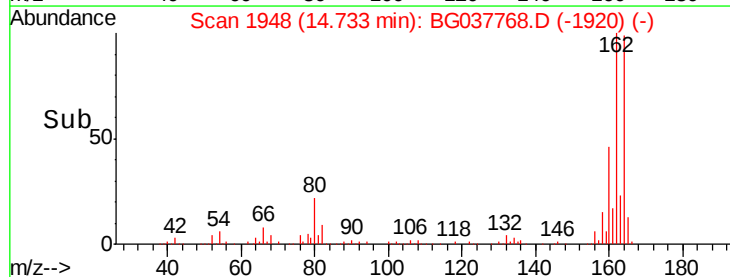
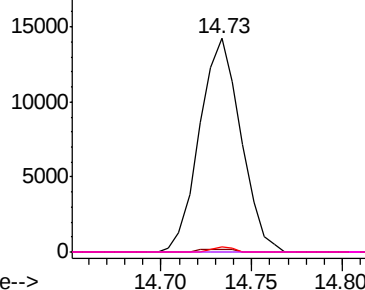
182 0.0 2.6 4.0#

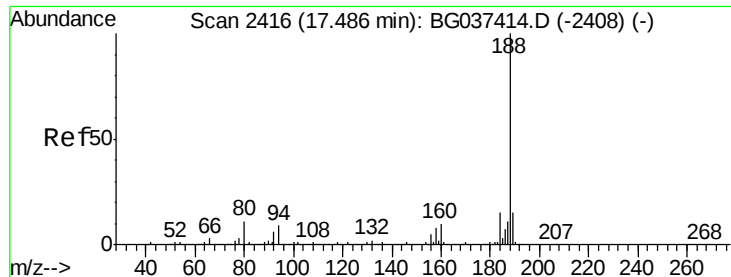
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG037768.D

Acq: 2 Nov 2018 23:55

Instrument :

BNA_G

ClientSampleId :

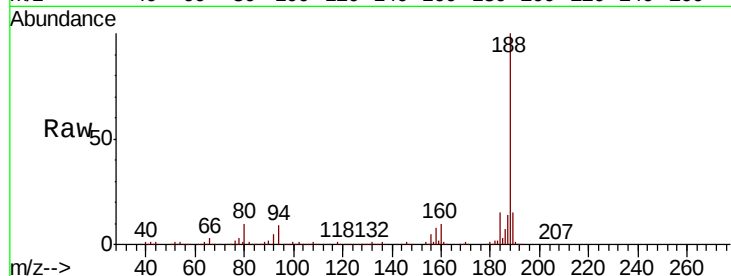
Tot Ion:188 Resp: 375323

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

80 10.1 7.7 11.5

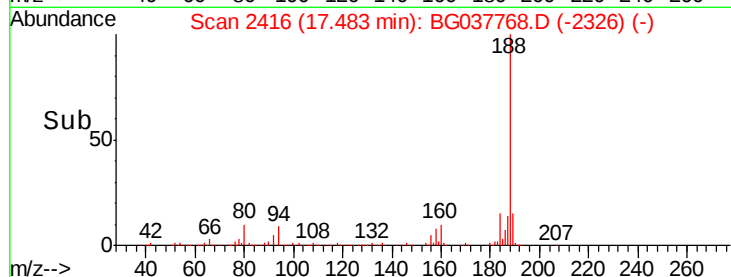


Abundance Ion 188.00 (187.70 to 188.70): E

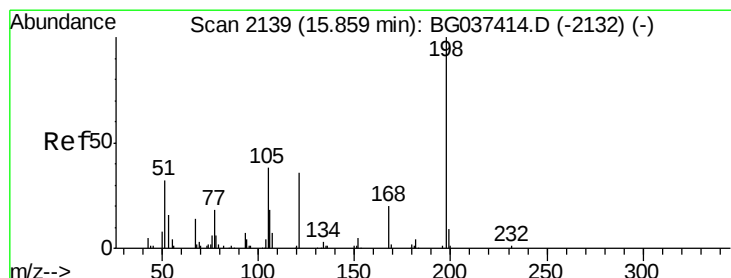
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.758 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

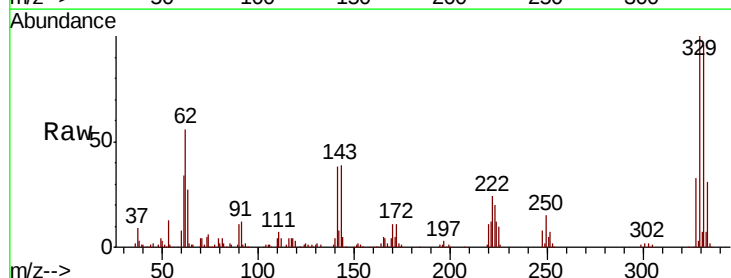
Tgt Ion:198 Resp: 600

Ion Ratio Lower Upper

198 100

51 198.4 22.7 62.7#

105 153.7 19.7 59.7#

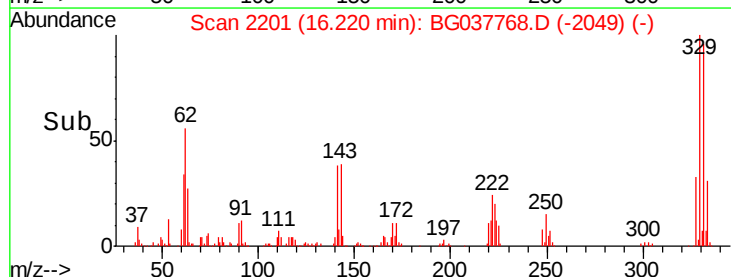


Abundance Ion 198.00 (197.70 to 198.70): E

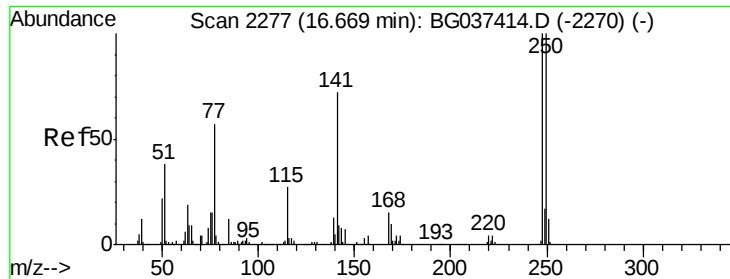
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



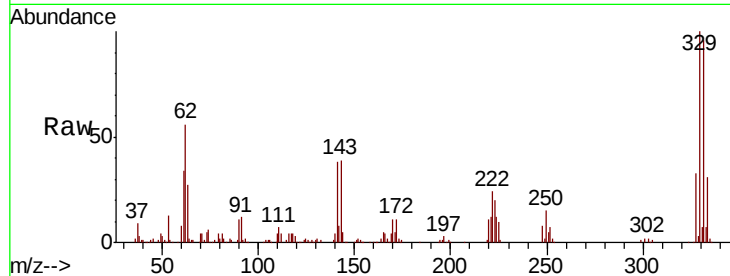
Time-->



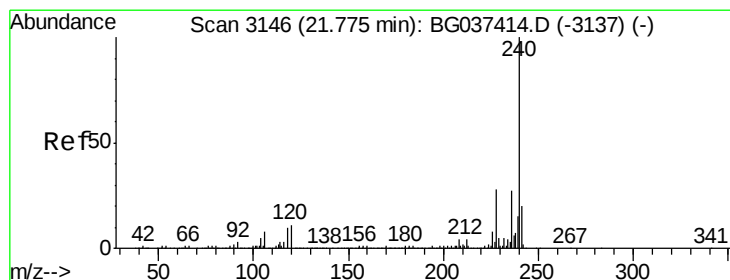
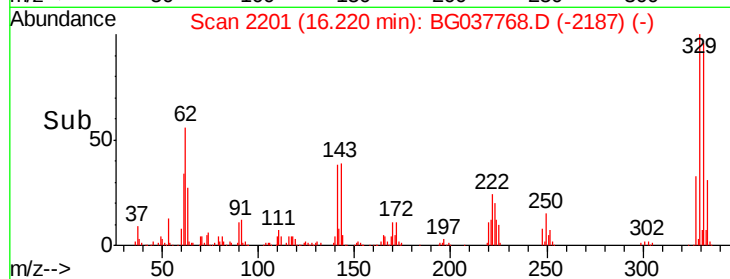
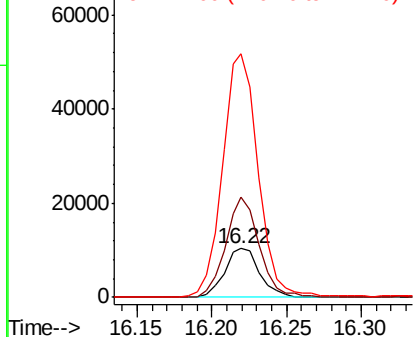
#67
 4-Bromophenyl-phenylether
 Concen: 4.121 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037768.D
 Acq: 2 Nov 2018 23:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16984
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.0 115.6#
 141 383.3 55.5 83.3#

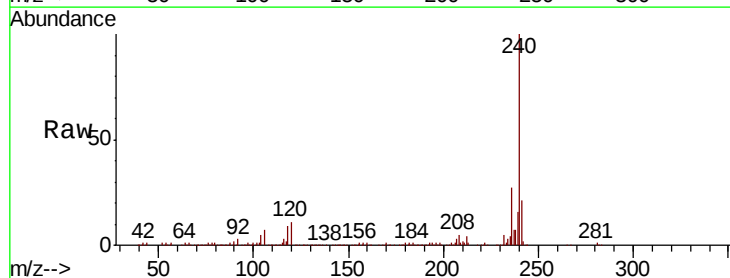


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

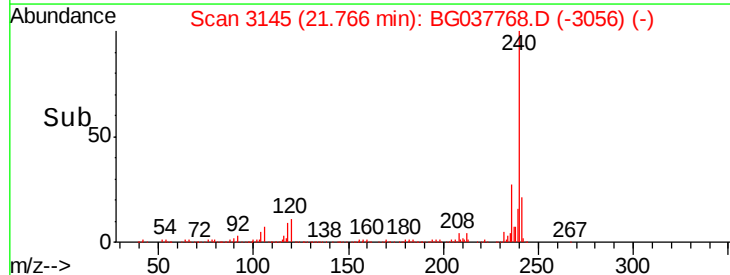
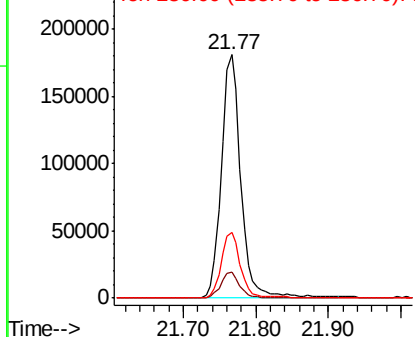


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037768.D
 Acq: 2 Nov 2018 23:55

Tgt Ion:240 Resp: 339175
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.1 12.1
 236 26.7 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: 82.083 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037768.D

Acq: 2 Nov 2018 23:55

Instrument :

BNA_G

ClientSampleId :

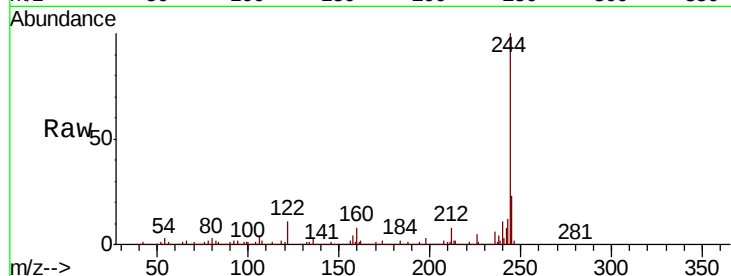
Tot Ion:244 Resp: 1302932

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.2	9.0	13.4

244 100

212 8.1 6.5 9.7

122 11.2 9.0 13.4

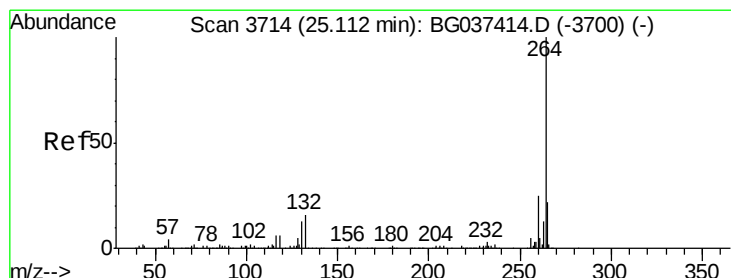
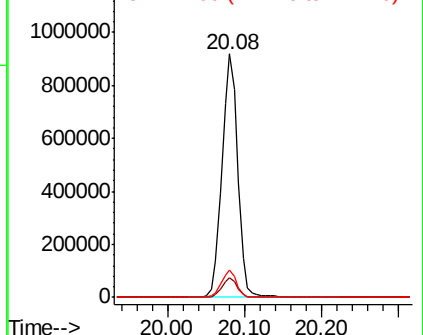
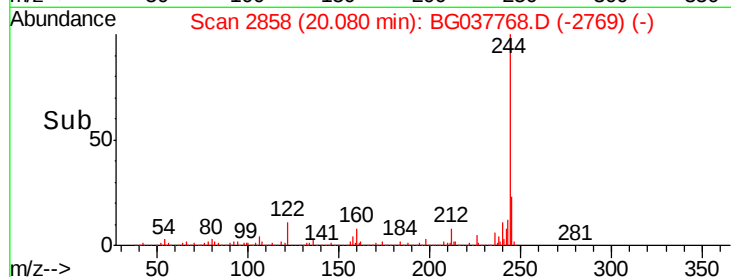


Abundance

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: BG037768.D

Acq: 2 Nov 2018 23:55

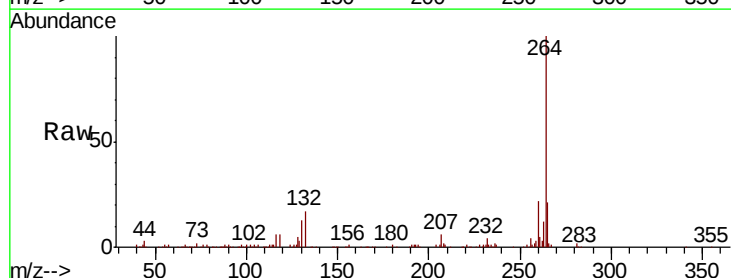
Tgt Ion:264 Resp: 315029

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.4
265	21.1	17.9	26.9

264 100

260 22.2 18.2 27.4

265 21.1 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

