

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037590.D
 Acq On : 26 Oct 2018 21:07
 Operator : JU/SJ
 Sample : J5662-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 27 03:40:43 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

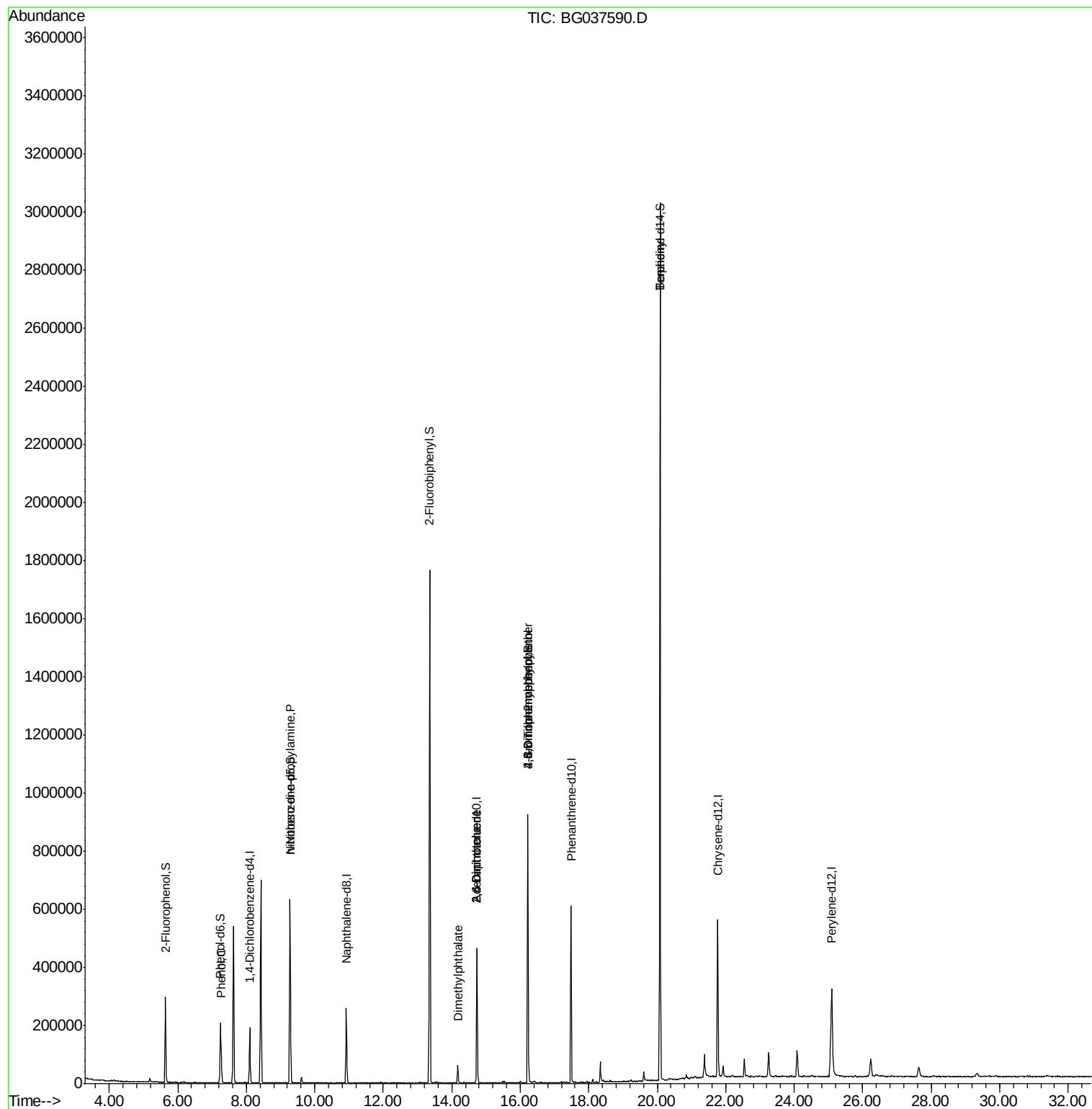
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	55092	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	232657	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	158762	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	387266	20.00	ng	0.00
76) Chrysene-d12	21.77	240	350415	20.00	ng	0.00
87) Perylene-d12	25.10	264	343897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	138804	42.12	ng	0.00
7) Phenol-d6	7.24	99	128657	25.82	ng	0.00
23) Nitrobenzene-d5	9.28	82	400465	96.42	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	164700	95.11	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	955639	90.77	ng	0.00
79) Terphenyl-d14	20.08	244	1438804	87.74	ng	0.00
Target Compounds						
10) Phenol	7.27	94	68146	12.962	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	49439	14.408	ng	# 70
50) Dimethylphthalate	14.18	163	46602	3.794	ng	97
51) 2,6-Dinitrotoluene	14.73	165	20372	7.498	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	20372	5.712	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	644	8.768	ng	73
67) 4-Bromophenyl-phenylether	16.22	248	12301	2.892	ng	# 1
77) Benzidine	20.08	184	24095	2.022	ng	# 92

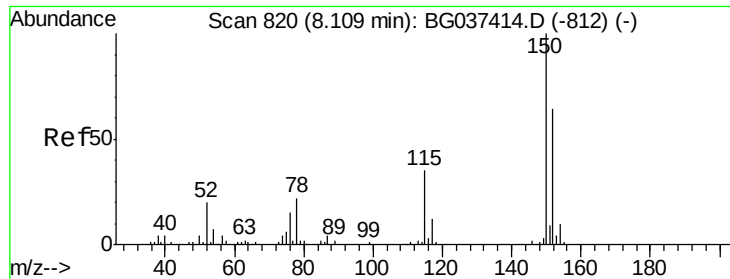
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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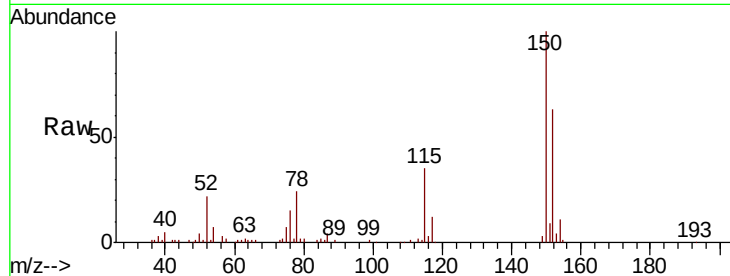


#1

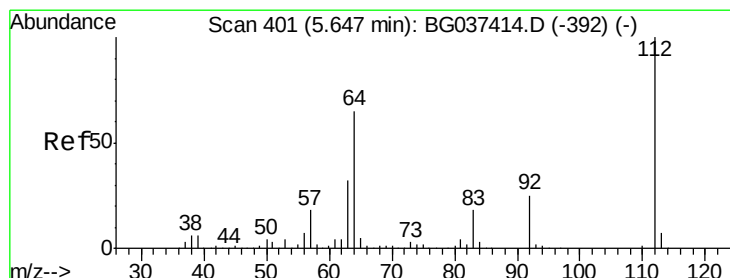
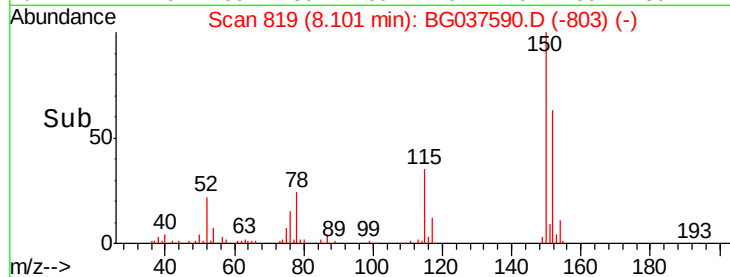
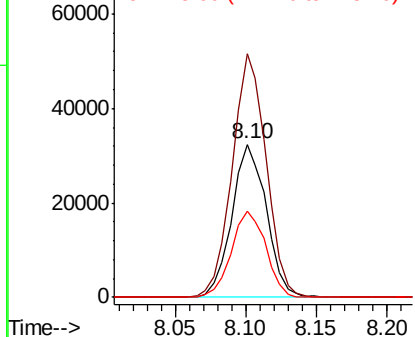
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55092
Ion Ratio Lower Upper
152 100
150 159.2 126.0 189.0
115 56.0 45.5 68.3



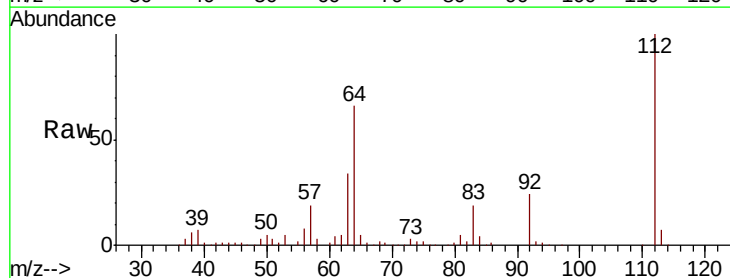
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



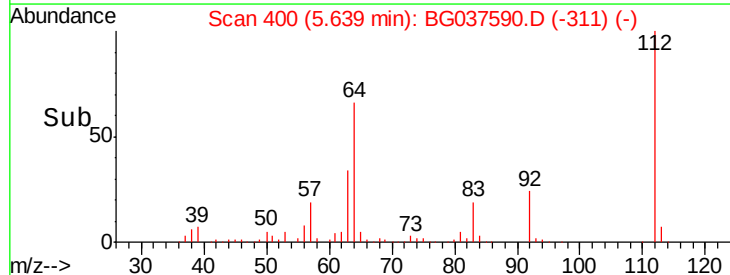
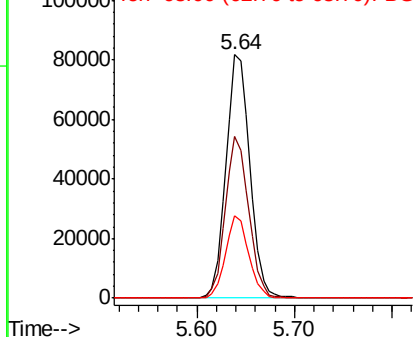
#5

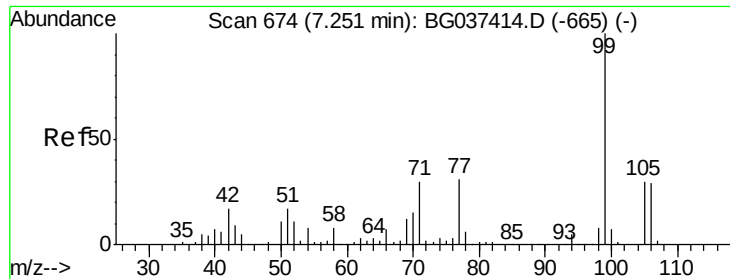
2-Fluorophenol
Concen: 42.122 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Tgt Ion:112 Resp: 138804
Ion Ratio Lower Upper
112 100
64 66.3 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 25.820 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

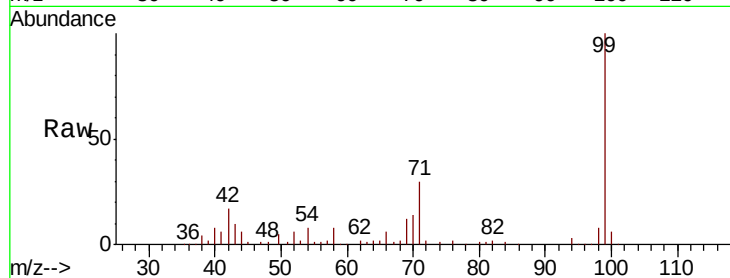
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 128657

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.4
71	29.8	25.5	38.3

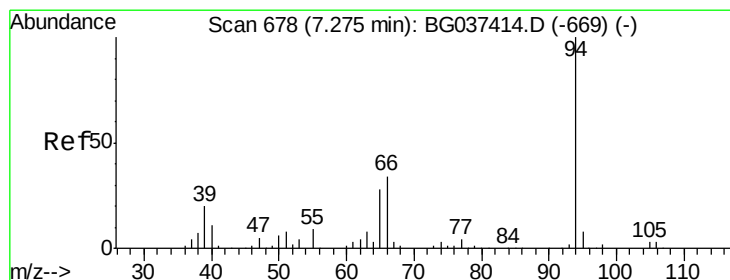
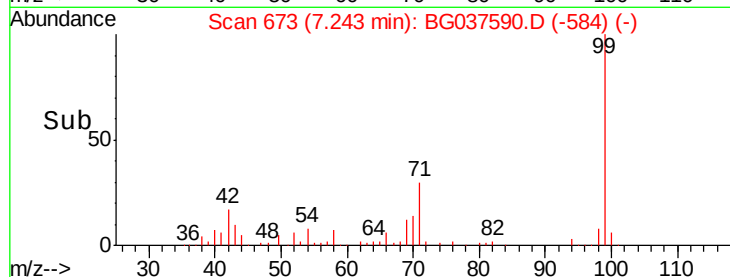
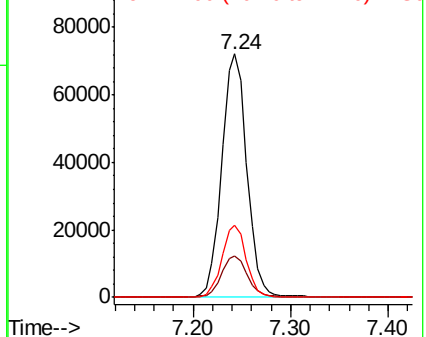


Abundance

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



#10

Phenol

Concen: 12.962 ng

RT: 7.27 min Scan# 677

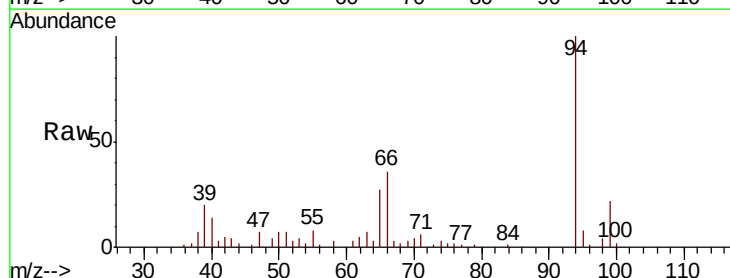
Delta R.T. -0.01 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

Tgt Ion: 94 Resp: 68146

Ion	Ratio	Lower	Upper
94	100		
65	27.0	9.7	49.7
66	35.7	15.9	55.9

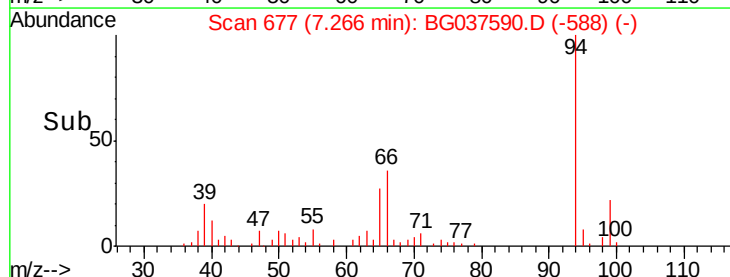
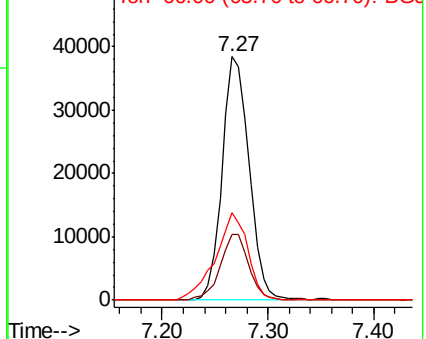


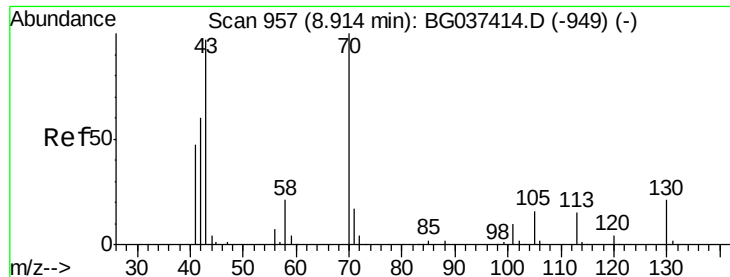
Abundance

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: 14.408 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 49439

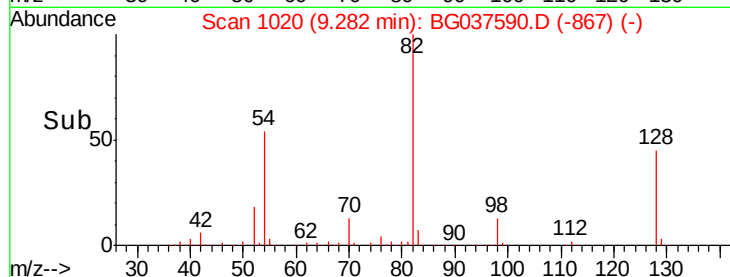
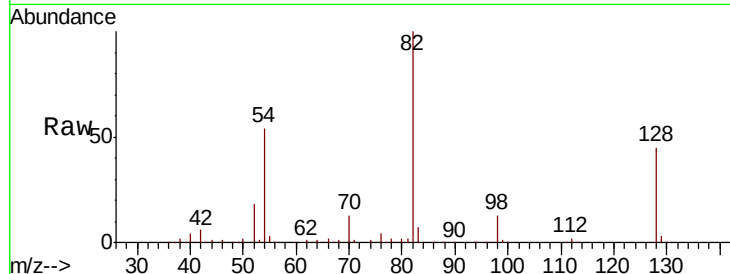
Ion Ratio Lower Upper

70 100

42 47.1 53.9 80.9#

101 0.0 8.2 12.2#

130 2.1 18.2 27.4#

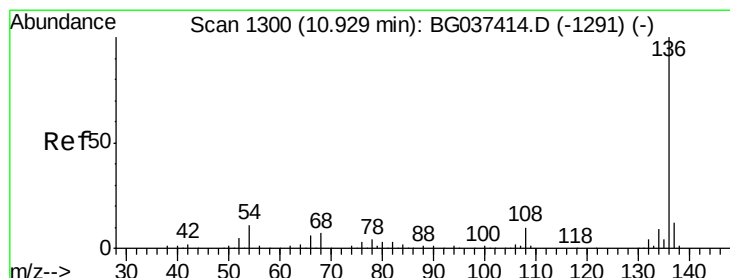
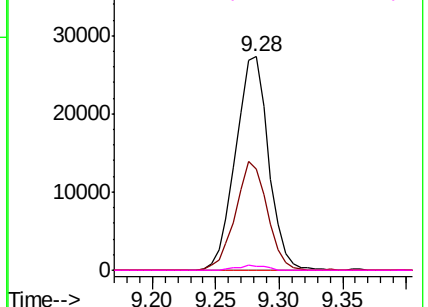


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037590.D

Acq: 26 Oct 2018 21:07

Tgt Ion: 136 Resp: 232657

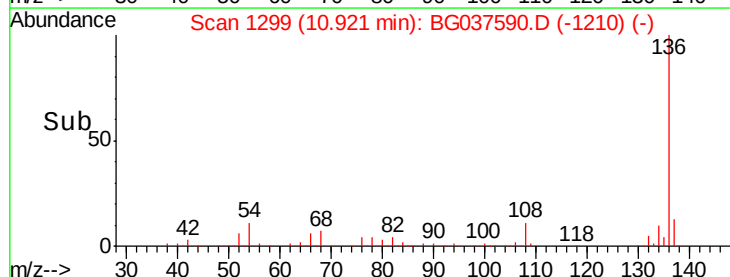
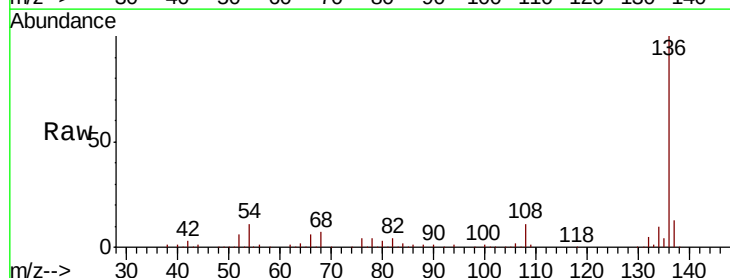
Ion Ratio Lower Upper

136 100

137 12.7 9.6 14.4

54 11.9 7.9 11.9

68 6.6 4.8 7.2

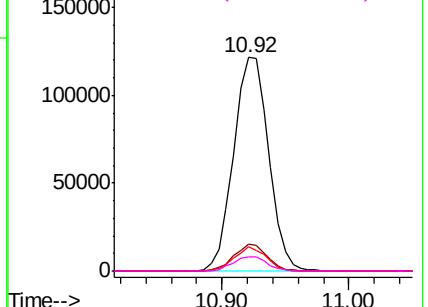


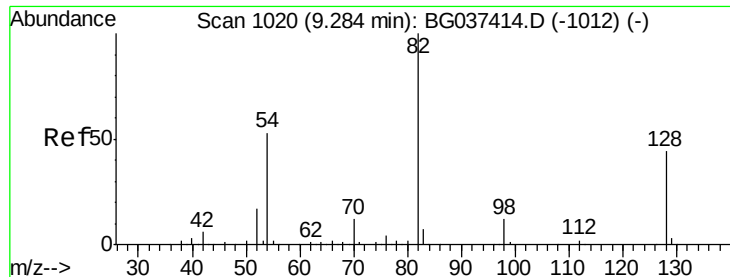
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

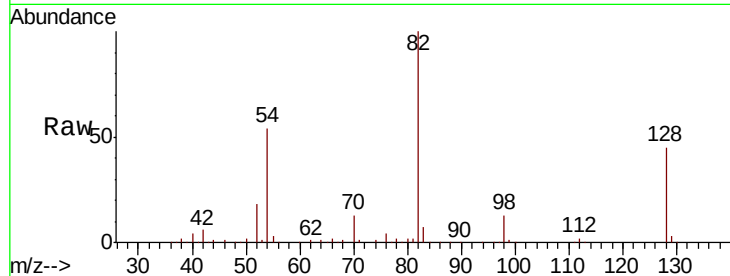




#23
Nitrobenzene-d5
Concen: 96.424 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	400465
Ion Ratio	100		
Lower	34.6		
Upper	51.8		
54	53.9	45.3	67.9

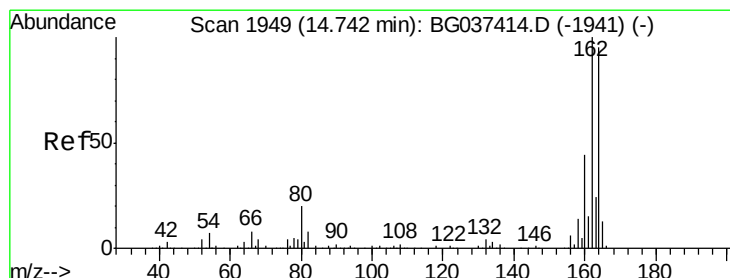
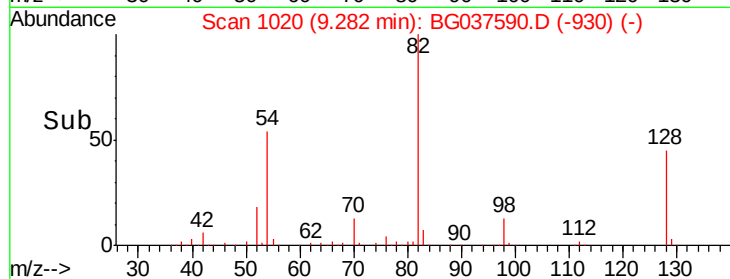
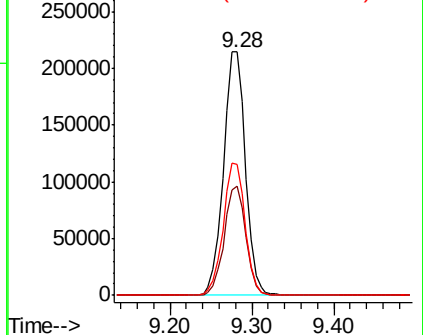


Abundance

Ion 82.00 (81.70 to 82.70): BGC

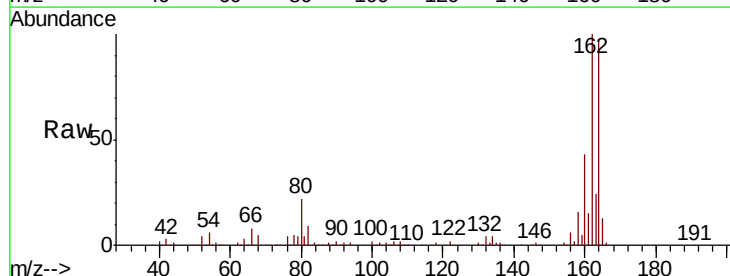
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Tgt Ion	164	Resp	158762
Ion Ratio	100		
Lower	81.3		
Upper	121.9		
162	102.7	36.3	54.5
160	44.4		

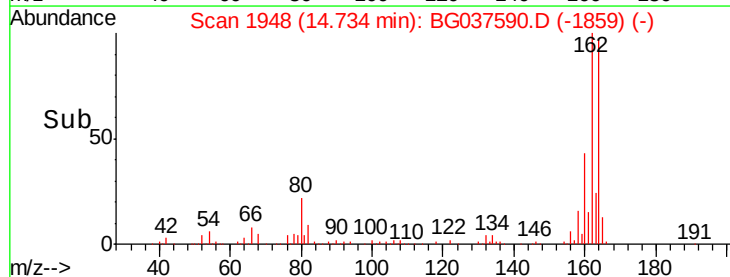
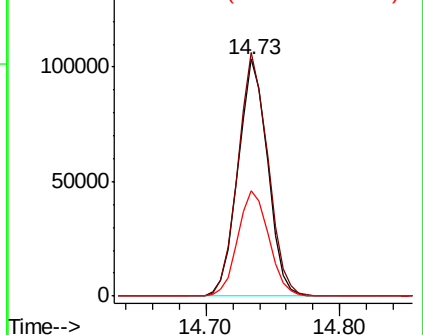


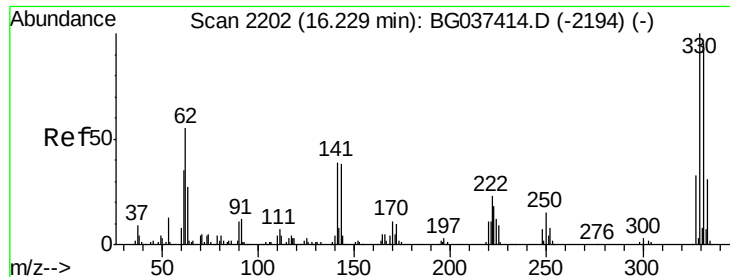
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

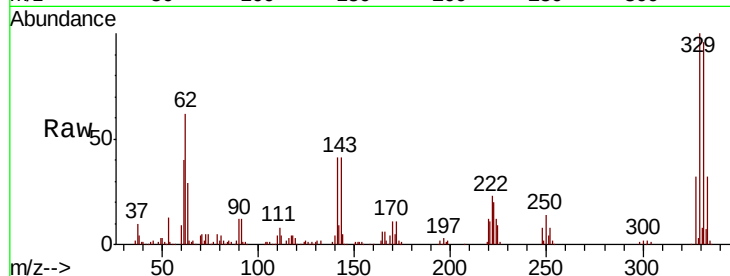




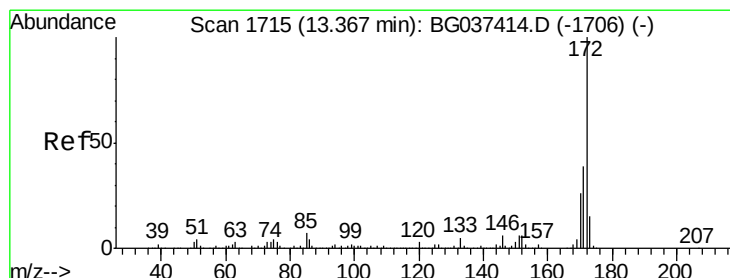
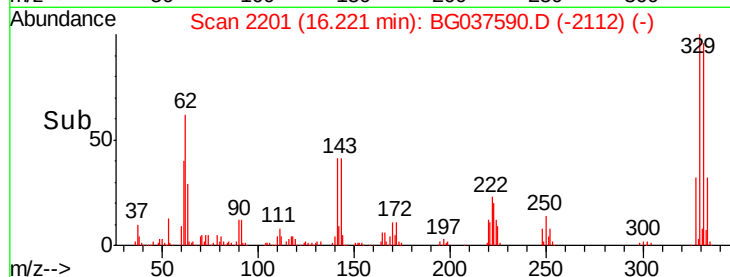
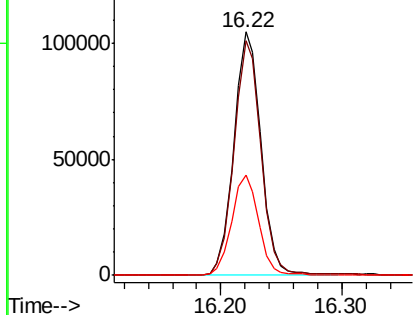
#42
 2,4,6-Tribromophenol
 Concen: 95.114 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037590.D
 Acq: 26 Oct 2018 21:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.4	117.6
141	41.0	32.2	48.2

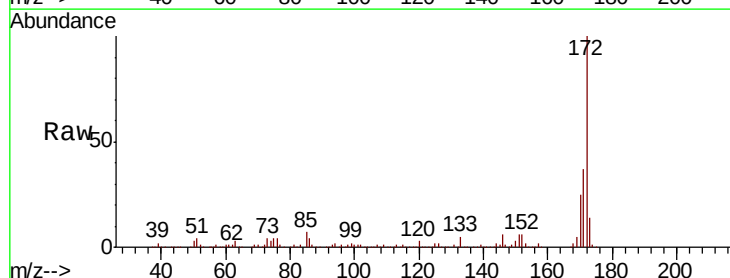


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

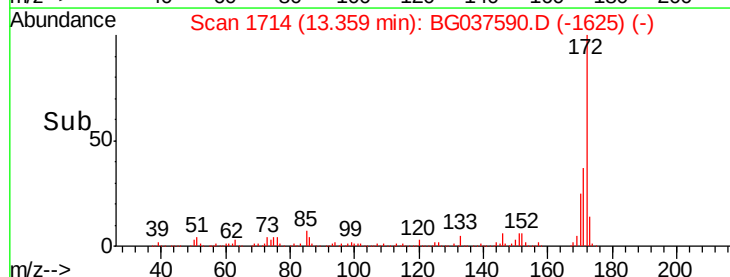
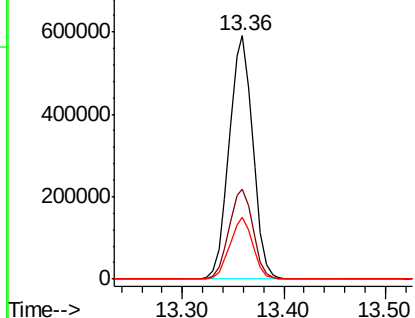


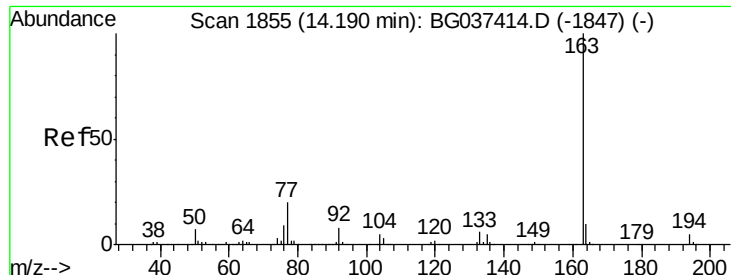
#45
 2-Fluorobiphenyl
 Concen: 90.768 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037590.D
 Acq: 26 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	25.1	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: 3.794 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

Instrument :

BNA_G

ClientSampleId :

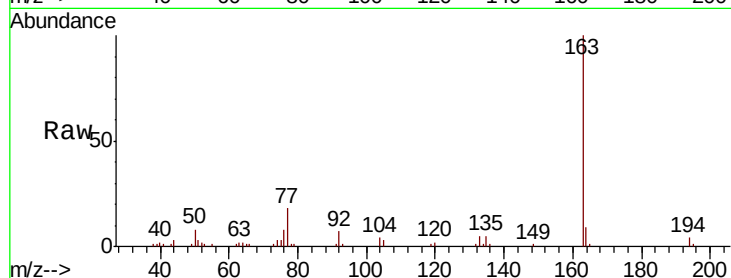
Tot Ion:163 Resp: 46602

Ion Ratio Lower Upper

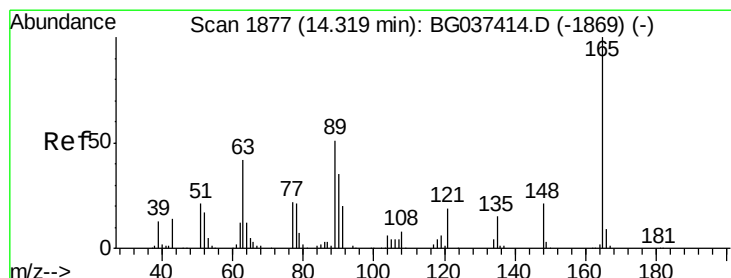
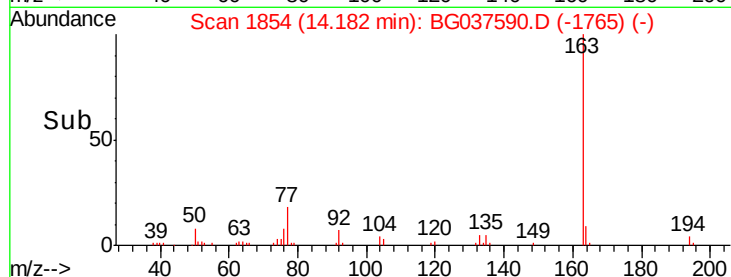
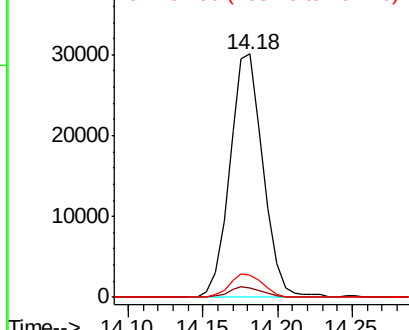
163 100

194 3.8 3.5 5.3

164 9.1 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



#51

2,6-Dinitrotoluene

Concen: 7.498 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

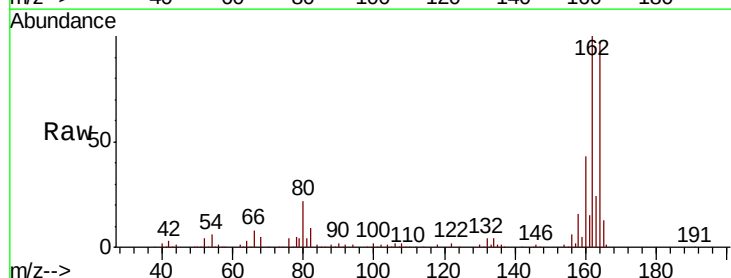
Tgt Ion:165 Resp: 20372

Ion Ratio Lower Upper

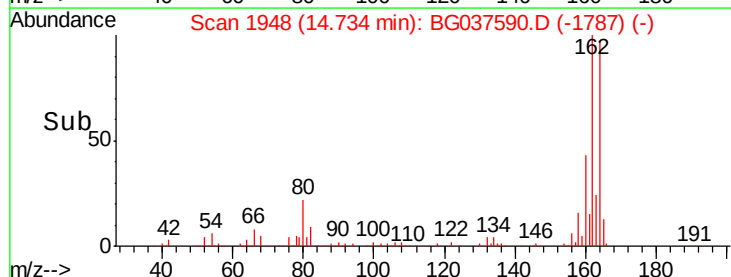
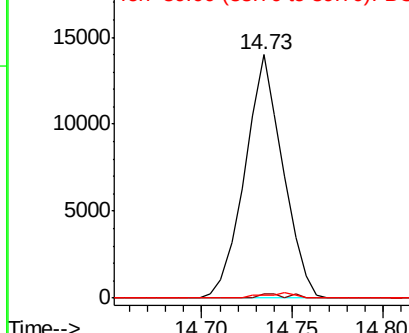
165 100

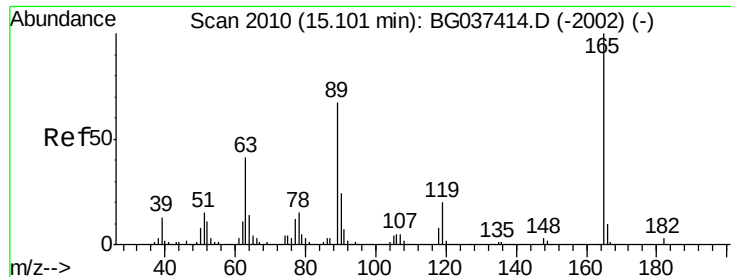
63 1.5 43.4 65.2#

89 1.4 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

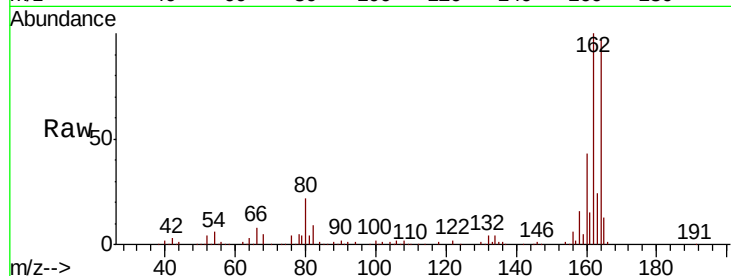




#57
2,4-Dinitrotoluene
Concen: 5.712 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.37 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.4	50.0#
89	1.4	57.2	85.8#
182	0.0	2.6	4.0#



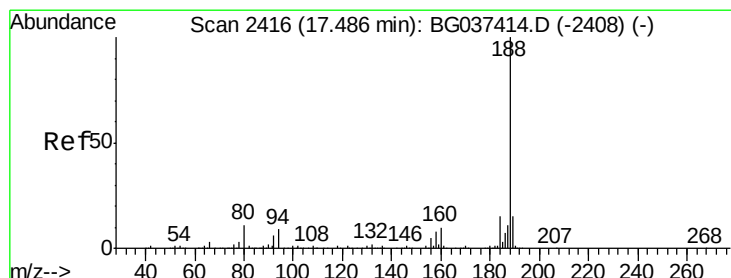
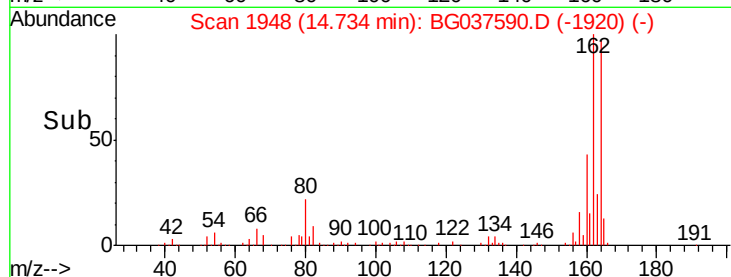
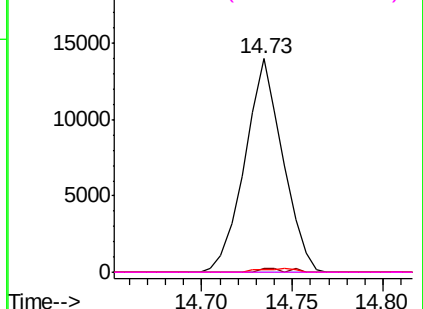
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

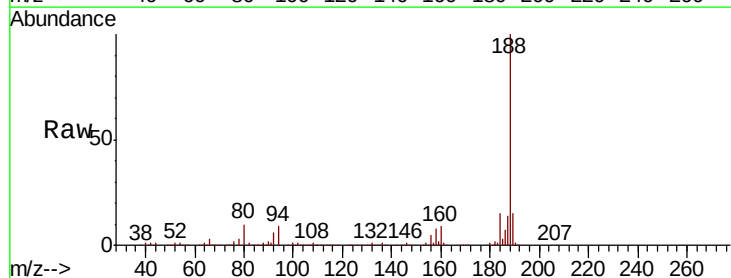
Ion 89.00 (88.70 to 89.70): BGC

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: BG037590.D
Acq: 26 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.4	7.7	11.5

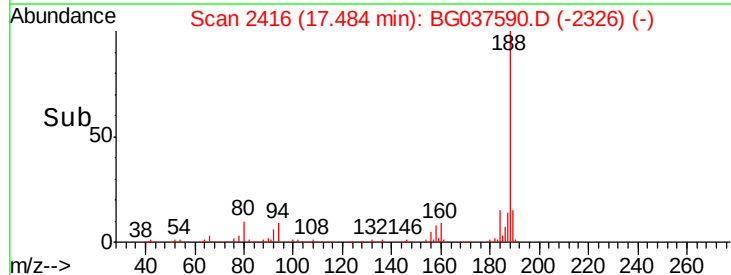
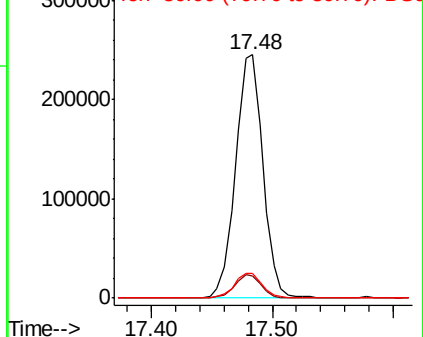


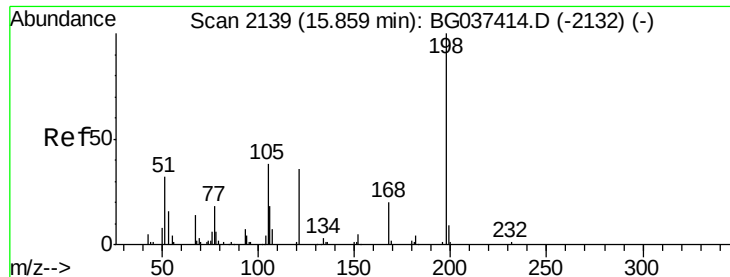
Abundance

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: 8.768 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

Instrument :

BNA_G

ClientSampleId :

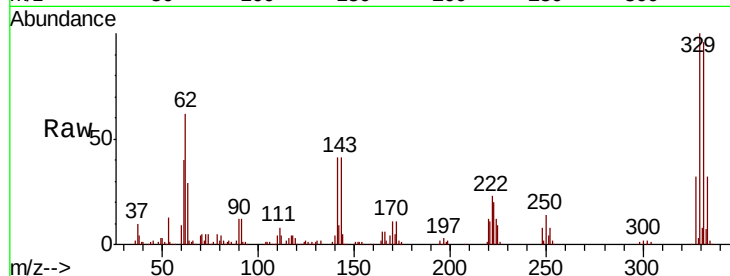
Tot Ion:198 Resp: 644

Ion Ratio Lower Upper

198 100

51 22.9 22.7 62.7

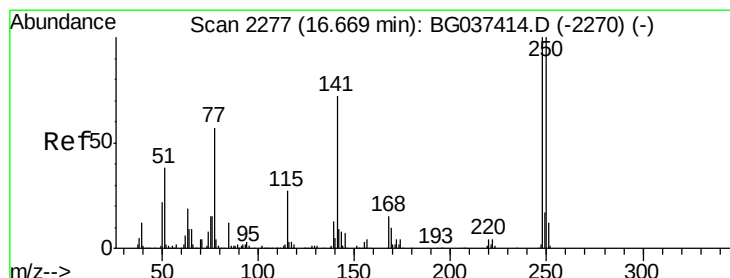
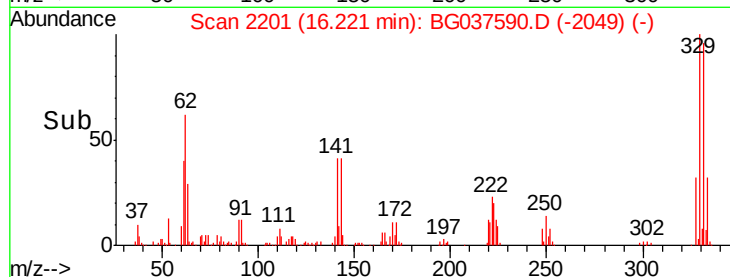
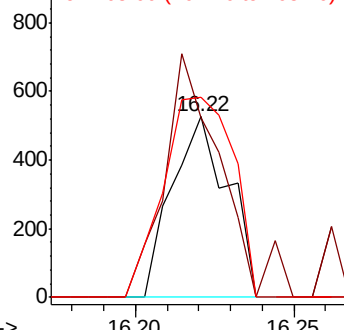
105 25.5 19.7 59.7



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



#67

4-Bromophenyl-phenylether

Concen: 2.892 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

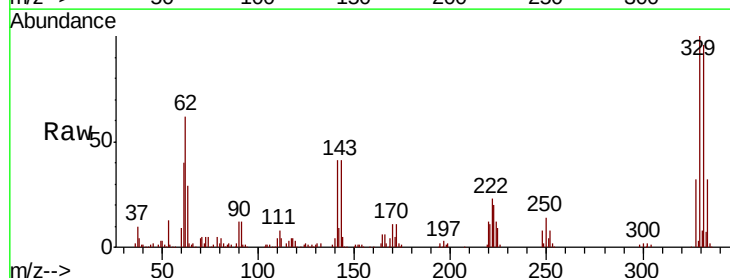
Tgt Ion:248 Resp: 12301

Ion Ratio Lower Upper

248 100

250 187.3 77.0 115.6#

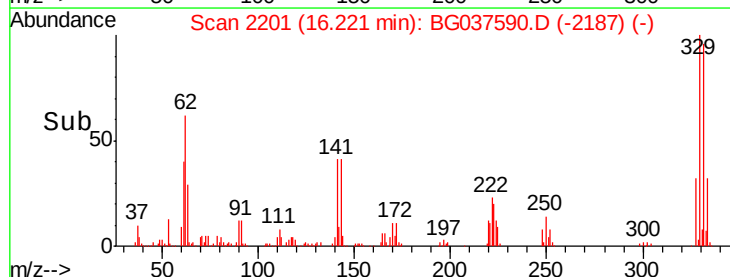
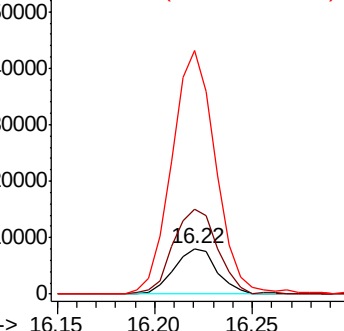
141 420.1 55.5 83.3#

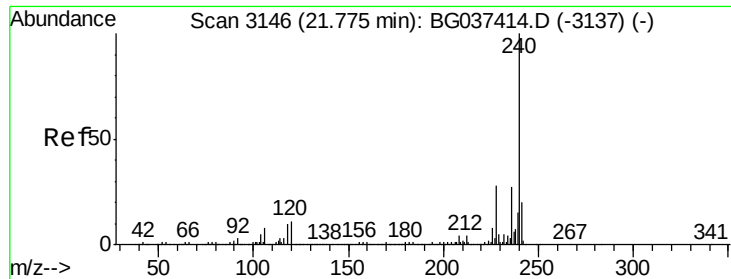


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

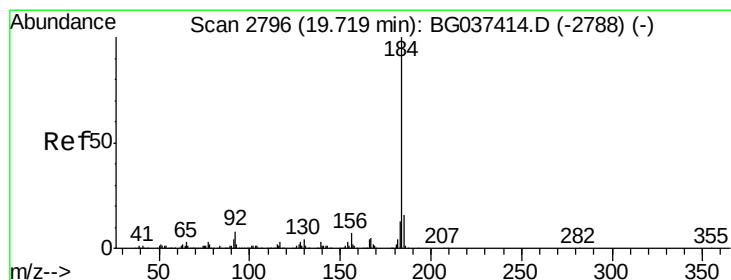
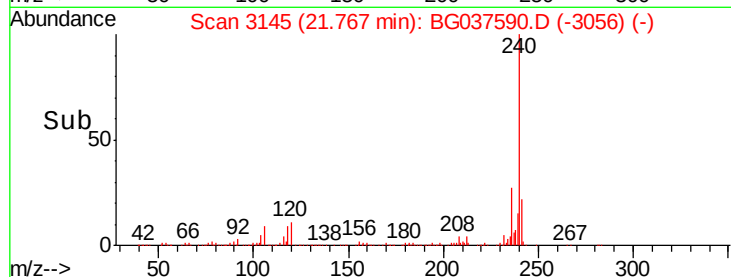
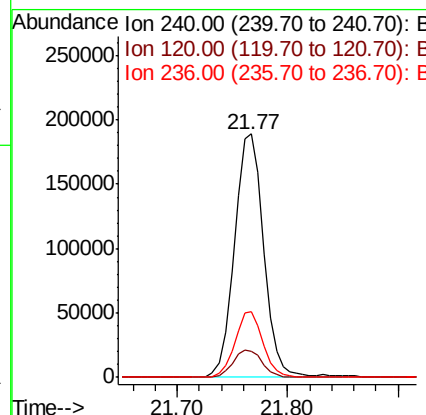
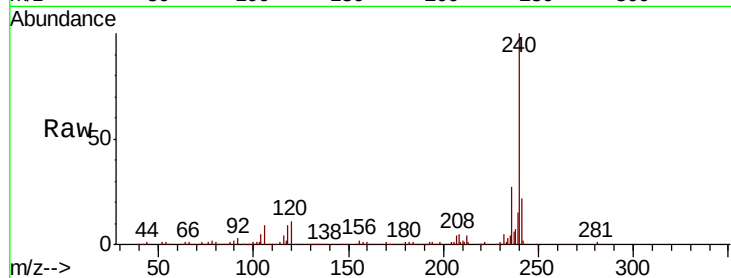




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

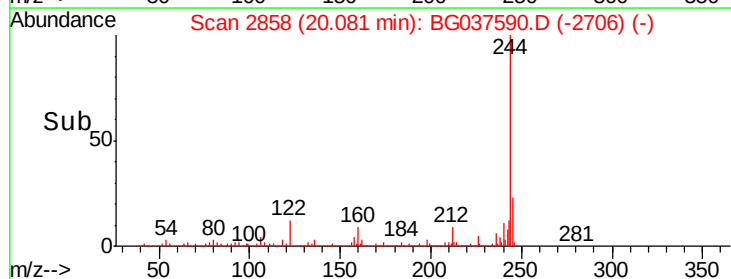
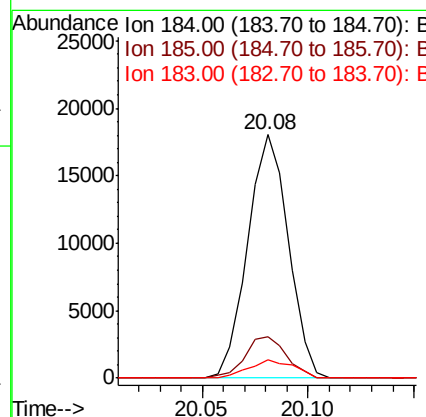
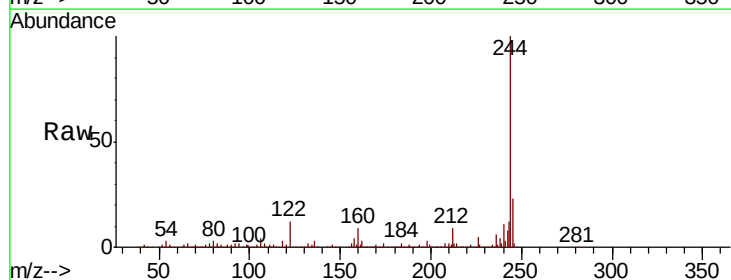
Instrument :
BNA_G
ClientSampled :

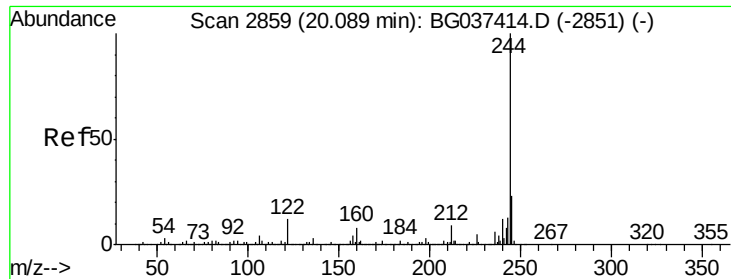
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.1	12.1
236	27.1	21.4	32.0



#77
Benzidine
Concen: 2.022 ng
RT: 20.08 min Scan# 2858
Delta R.T. 0.36 min
Lab File: BG037590.D
Acq: 26 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.3	12.6	18.8
183	7.7	10.2	15.2#





#79

Terphenyl-d14

Concen: 87.736 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

Instrument :

BNA_G

ClientSampleId :

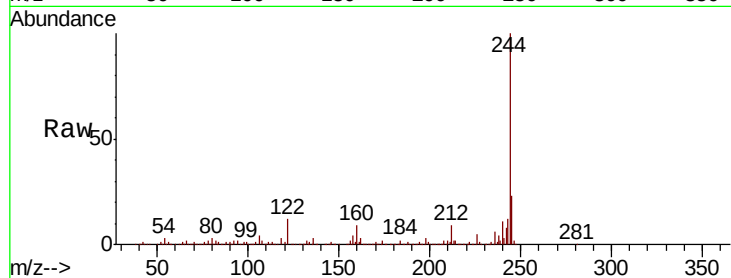
Tot Ion:244 Resp: 1438804

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

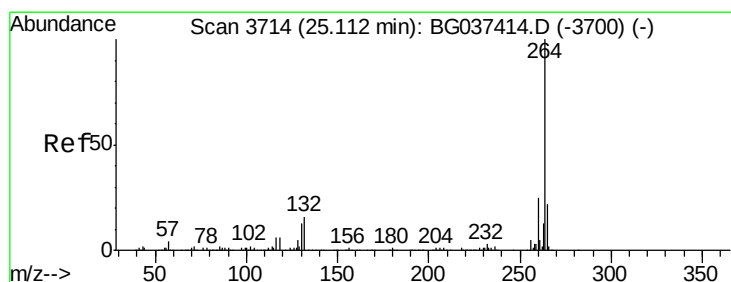
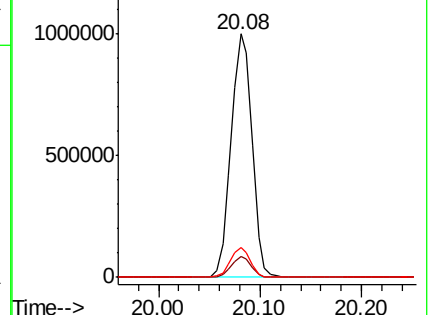
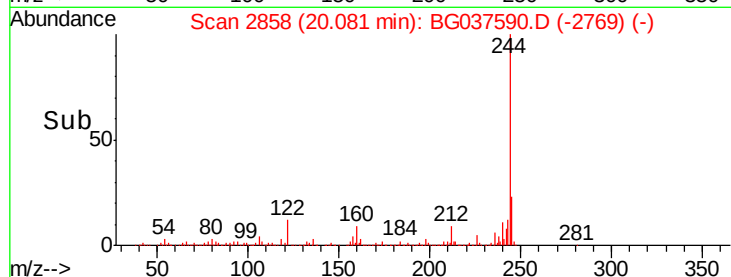
122 12.1 9.0 13.4



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# 3713

Delta R.T. -0.01 min

Lab File: BG037590.D

Acq: 26 Oct 2018 21:07

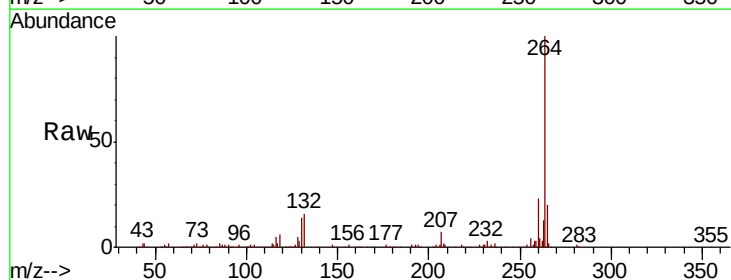
Tgt Ion:264 Resp: 343897

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 19.7 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

