

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037653.D
 Acq On : 30 Oct 2018 14:44
 Operator : JU/SJ
 Sample : J5724-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 15:28:15 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

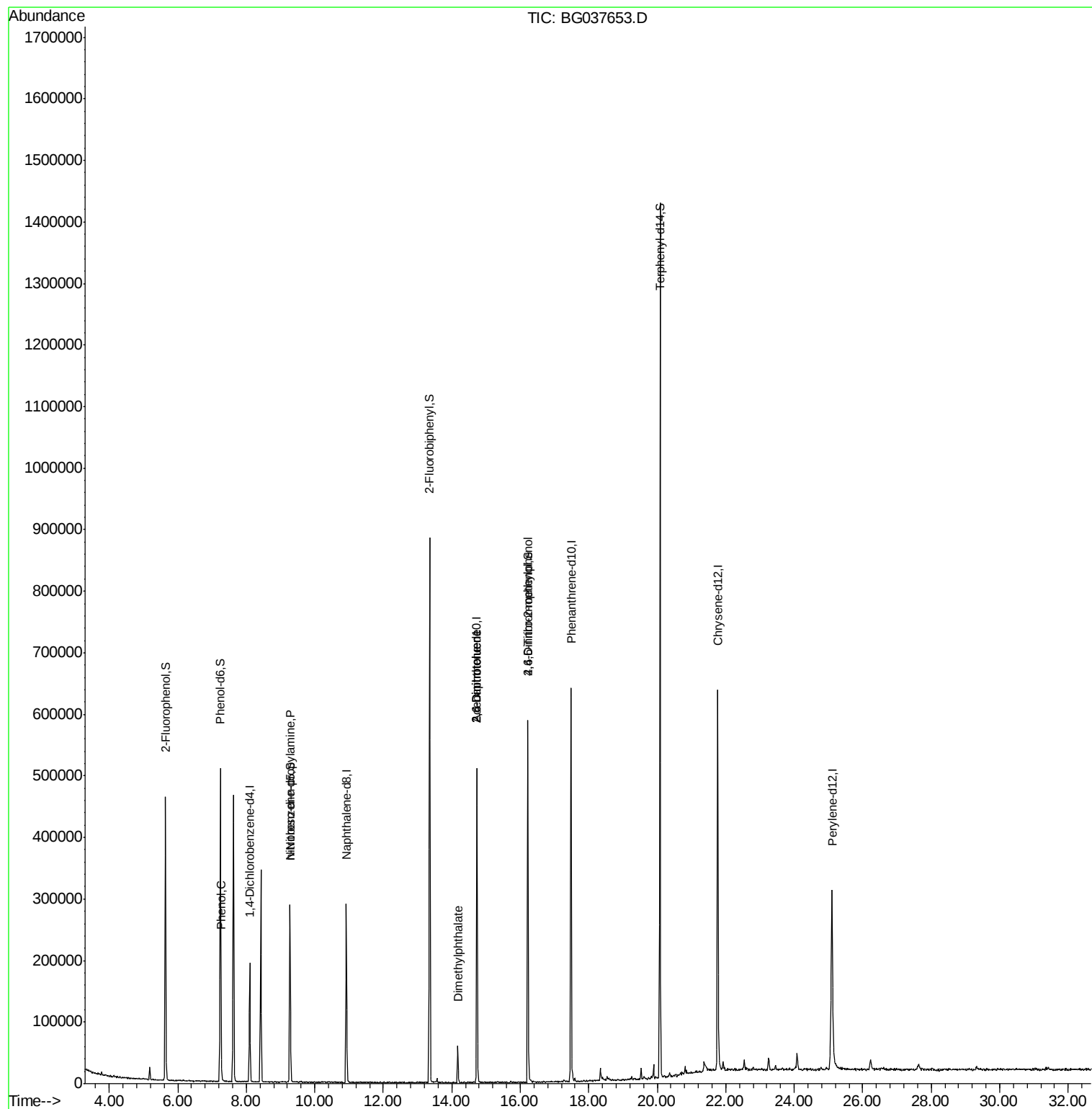
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	57966	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	260718	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	181812	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	425028	20.00	ng	0.00
76) Chrysene-d12	21.77	240	382860	20.00	ng	0.00
87) Perylene-d12	25.10	264	373549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	215763	62.23	ng	0.00
7) Phenol-d6	7.24	99	321855	61.39	ng	0.00
23) Nitrobenzene-d5	9.28	82	183833	39.50	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	105912	53.41	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	483257	40.08	ng	-0.01
79) Terphenyl-d14	20.08	244	716661	40.00	ng	0.00
Target Compounds						
10) Phenol	7.27	94	22012	3.979	ng	94
19) n-Nitroso-di-n-propylamine	9.28	70	22236	6.159	ng	# 73
50) Dimethylphthalate	14.18	163	43596	3.100	ng	99
51) 2,6-Dinitrotoluene	14.73	165	23268	7.478	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	23268	5.697	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	391	8.652	ng	# 4

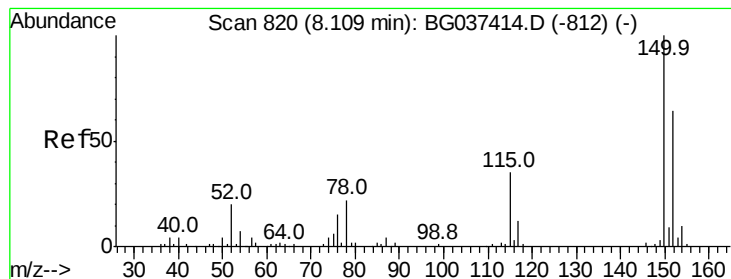
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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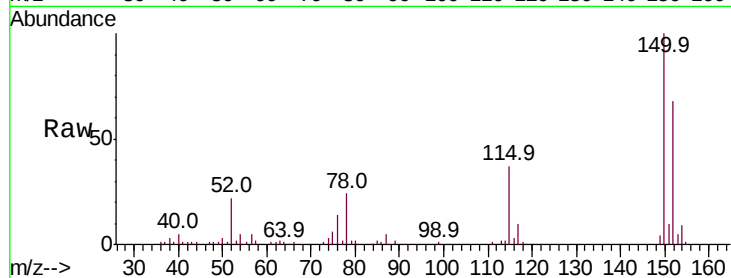


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037653.D
Acq: 30 Oct 2018 14:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.0	126.0	189.0
115	54.9	45.5	68.3

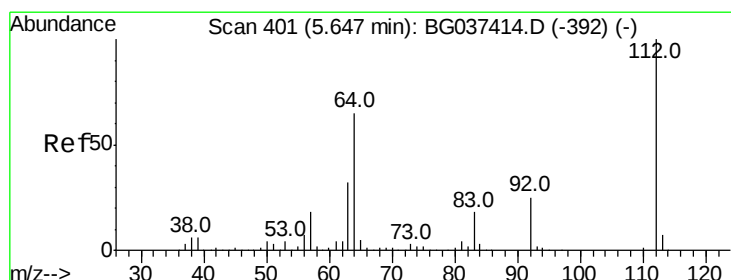
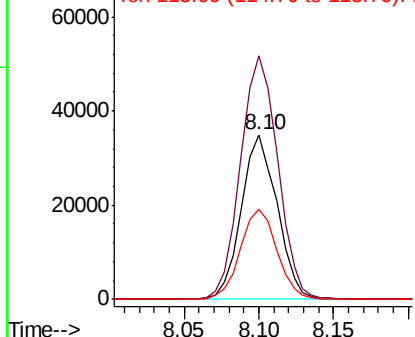
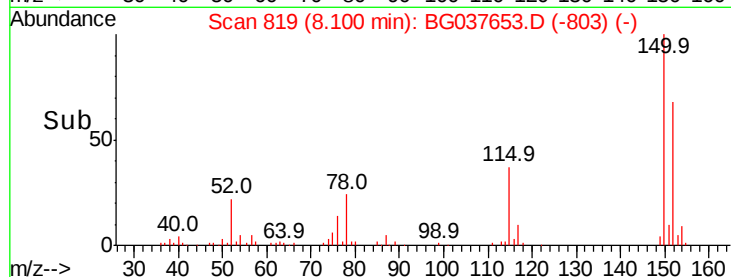


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

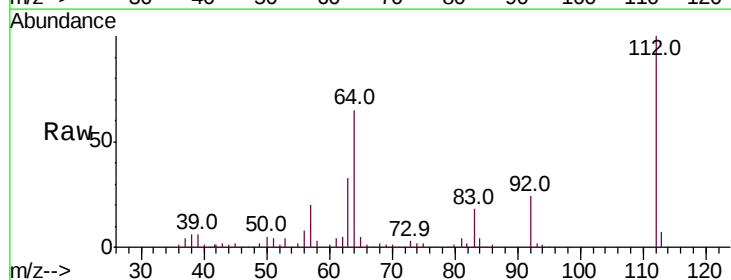
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.230 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037653.D
Acq: 30 Oct 2018 14:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.1	79.7
63	33.1	27.3	40.9

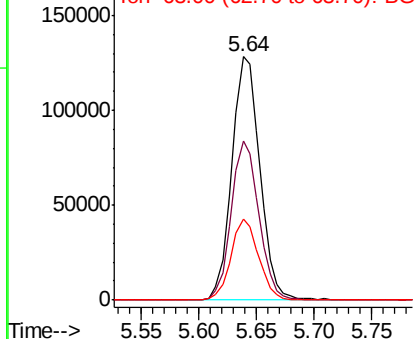
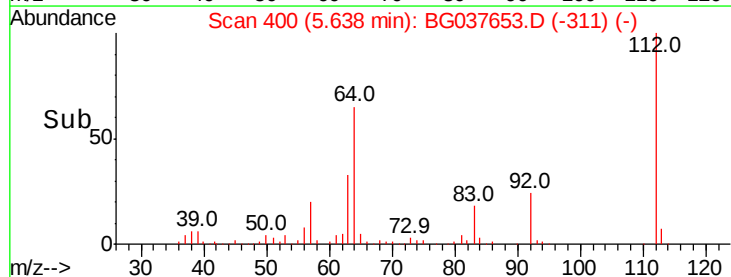


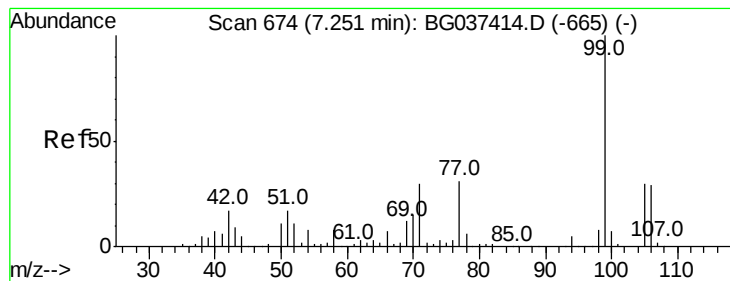
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 61.390 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

Instrument :

BNA_G

ClientSampled :

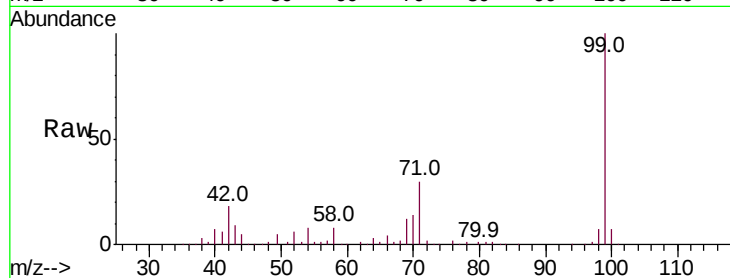
Tot Ion: 99 Resp: 321855

Ion Ratio Lower Upper

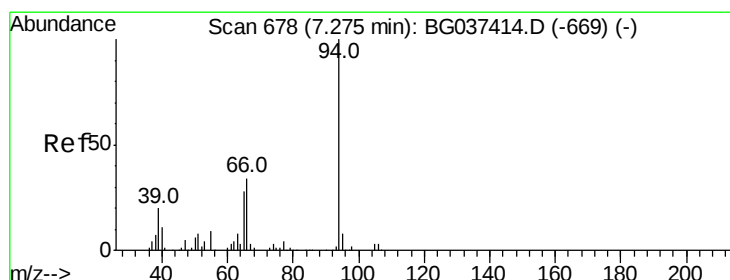
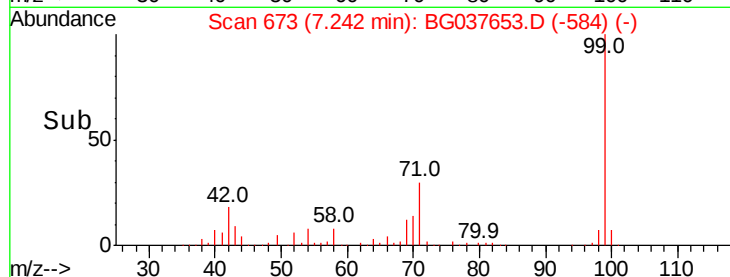
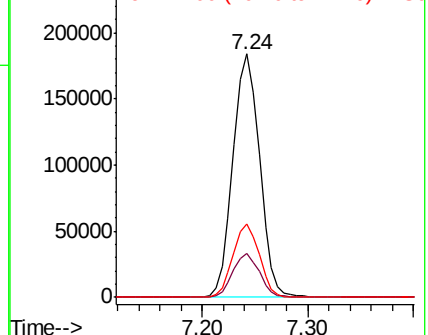
99 100

42 17.9 15.0 22.4

71 29.9 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: 3.979 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

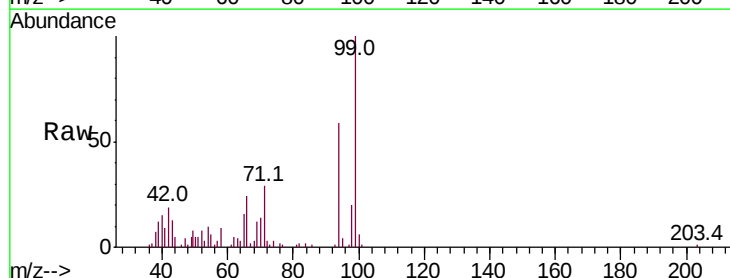
Tgt Ion: 94 Resp: 22012

Ion Ratio Lower Upper

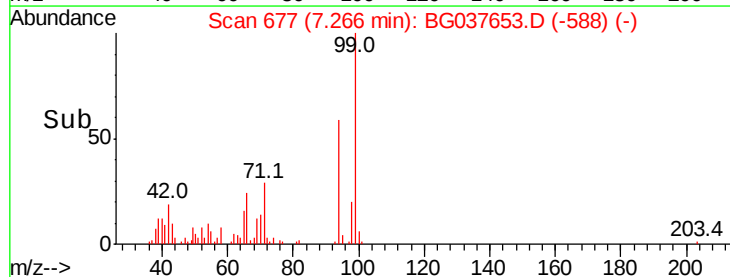
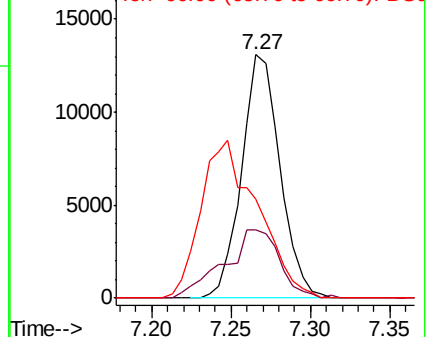
94 100

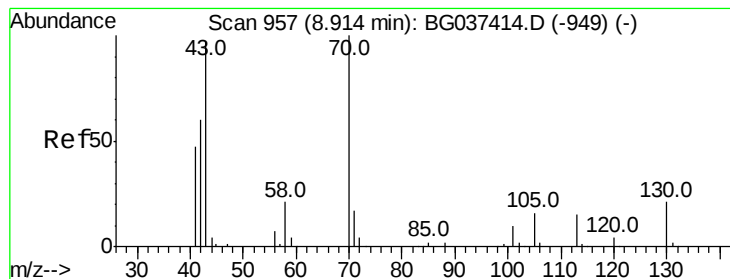
65 27.8 9.7 49.7

66 40.4 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: 6.159 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 22236

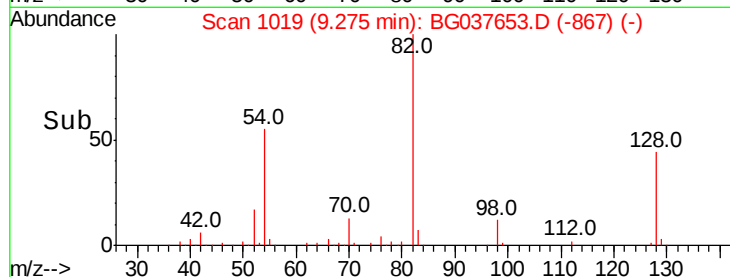
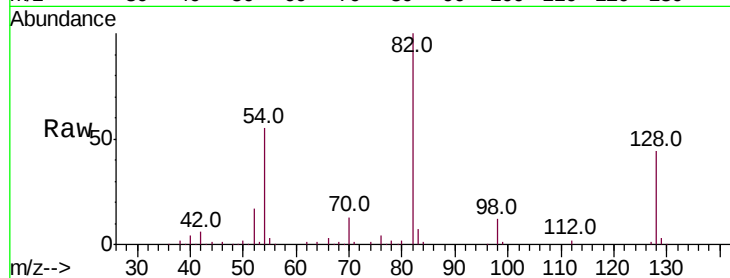
Ion Ratio Lower Upper

70 100

42 49.6 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#

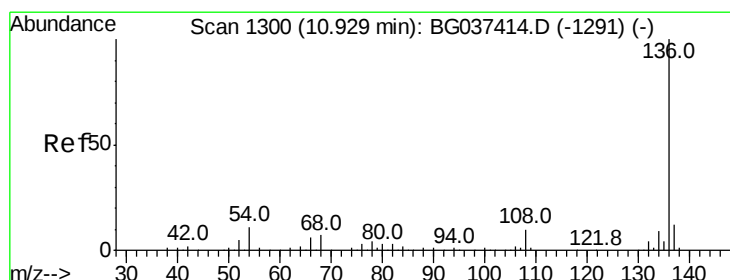
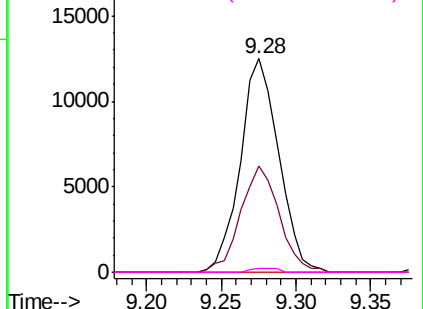


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037653.D

Acq: 30 Oct 2018 14:44

Tgt Ion: 136 Resp: 260718

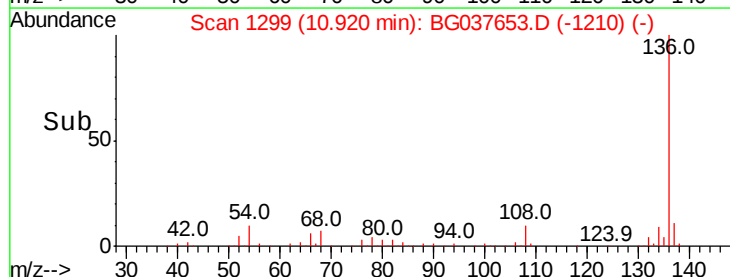
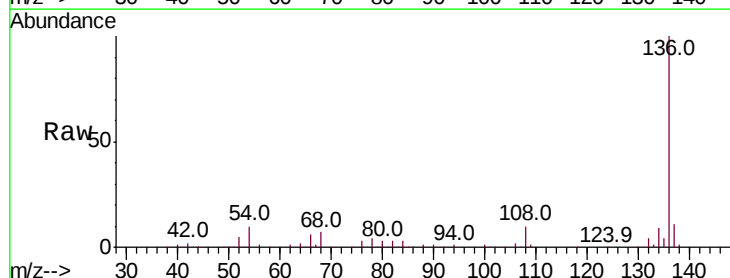
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 9.7 7.9 11.9

68 6.7 4.8 7.2

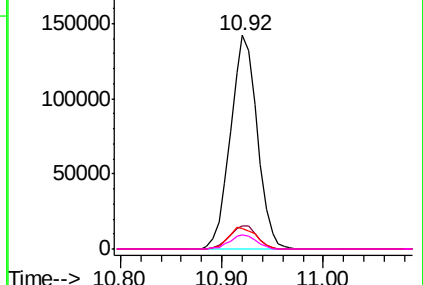


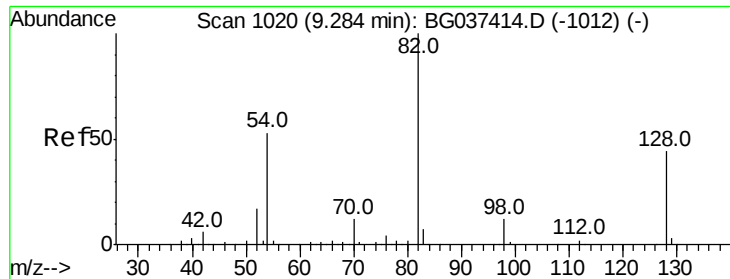
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

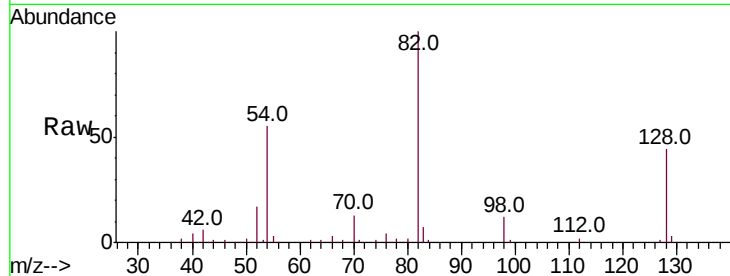




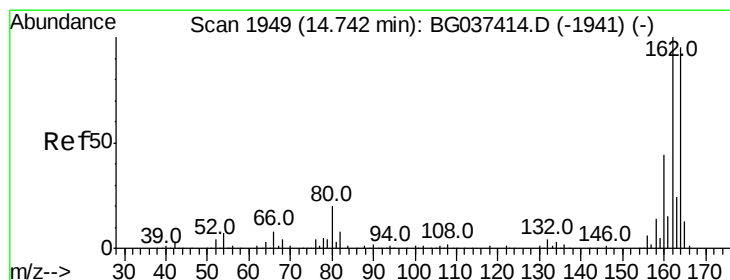
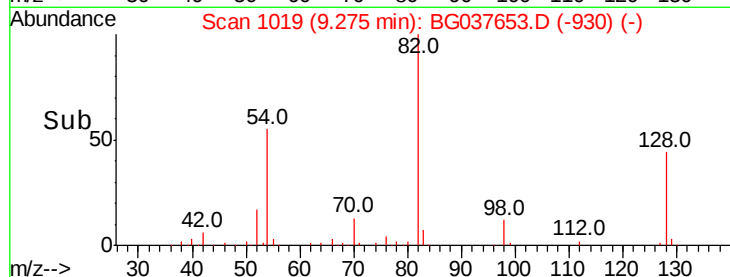
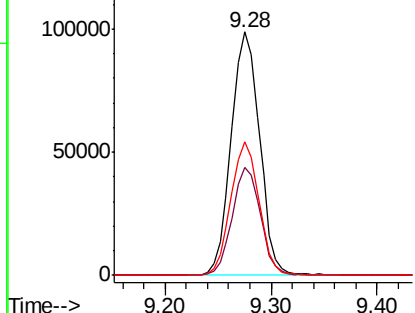
#23
 Nitrobenzene-d5
 Concen: 39.499 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	51.8
54	54.6	45.3	67.9

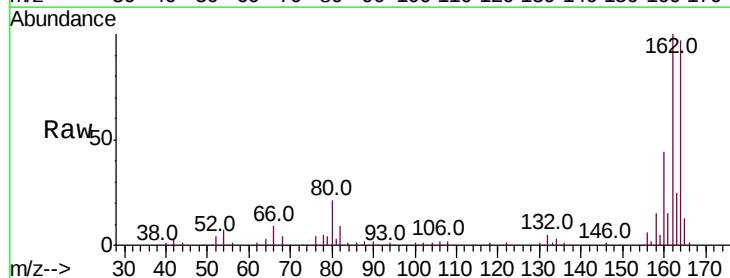


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

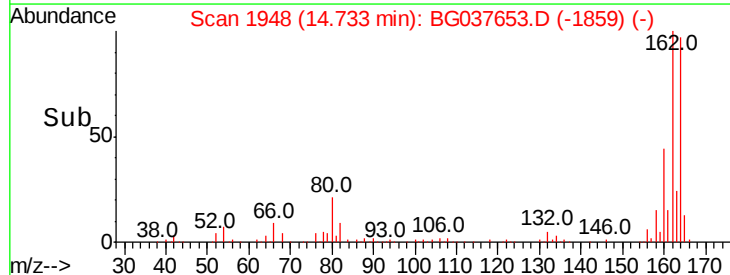
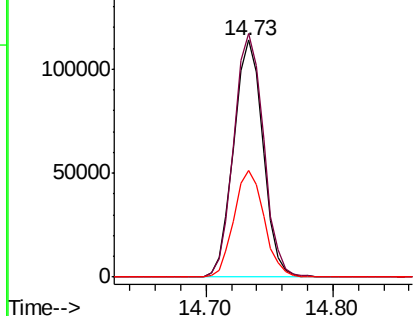


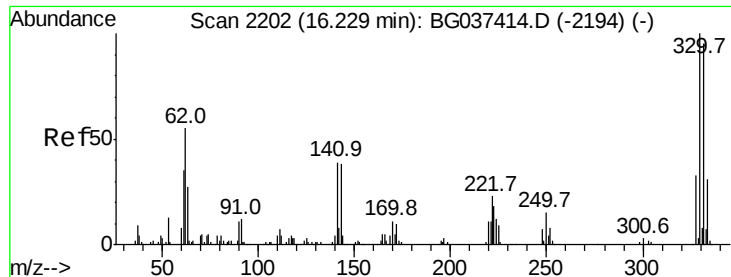
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.3	121.9
160	45.2	36.3	54.5



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

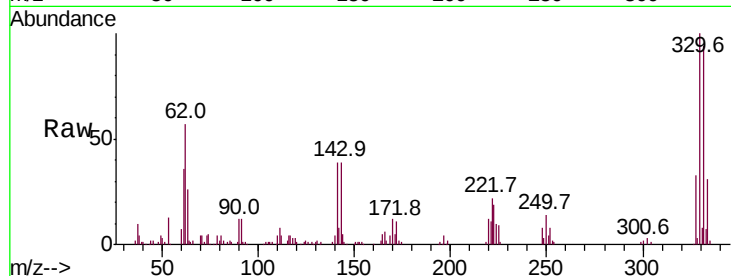




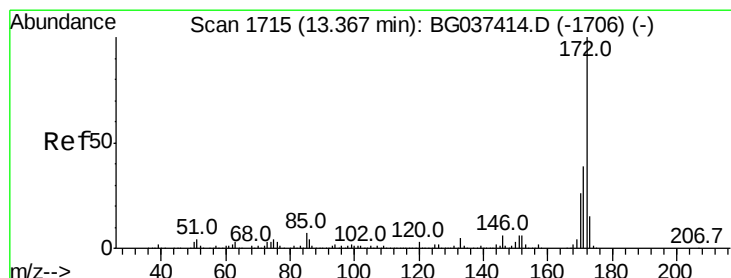
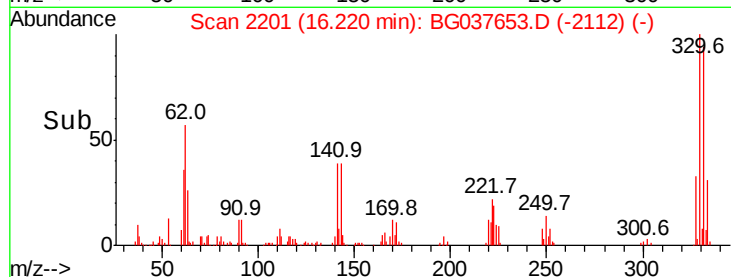
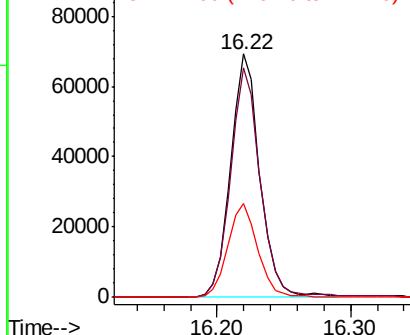
#42
 2,4,6-Tribromophenol
 Concen: 53.410 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 105912
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.4 117.6
 141 39.5 32.2 48.2

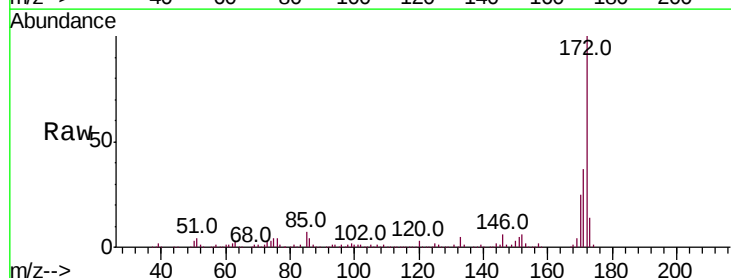


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

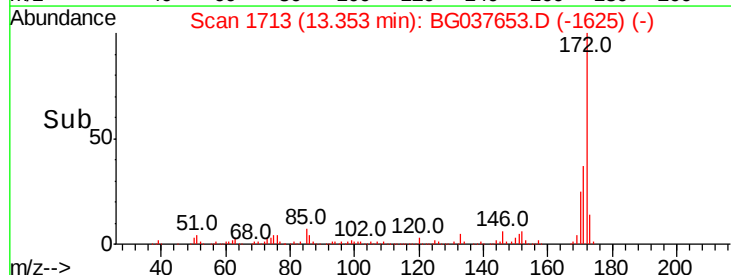
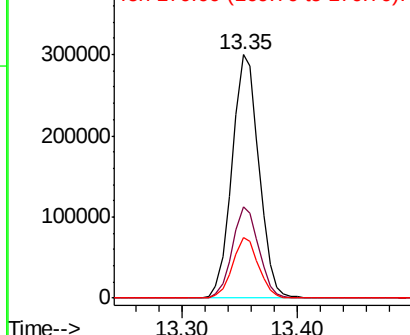


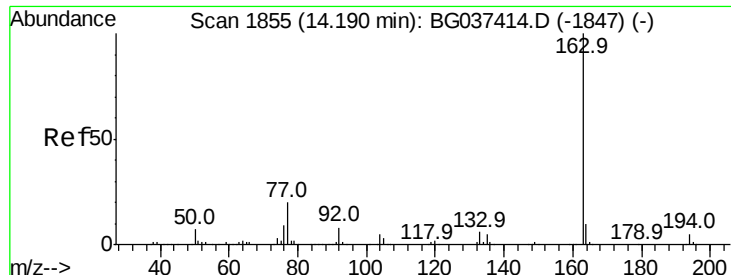
#45
 2-Fluorobiphenyl
 Concen: 40.081 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

Tgt Ion:172 Resp: 483257
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.0 46.4
 170 25.0 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: 3.100 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

Instrument :

BNA_G

ClientSampleId :

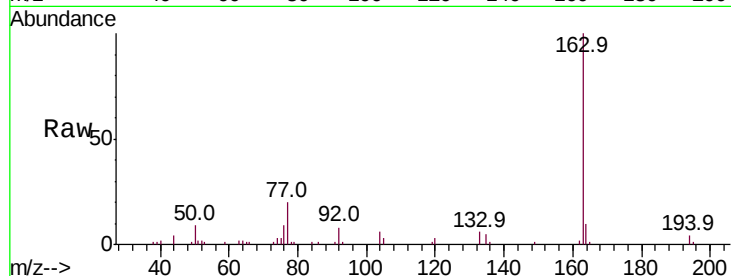
Tot Ion:163 Resp: 43596

Ion Ratio Lower Upper

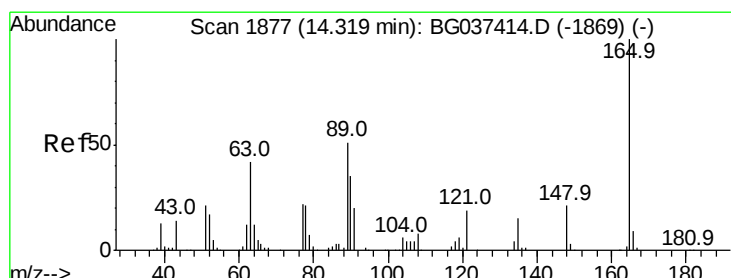
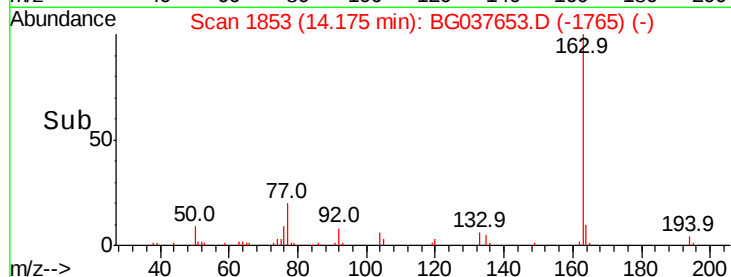
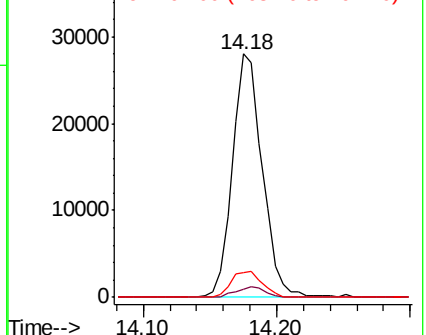
163 100

194 3.5 3.5 5.3

164 10.3 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: 7.478 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

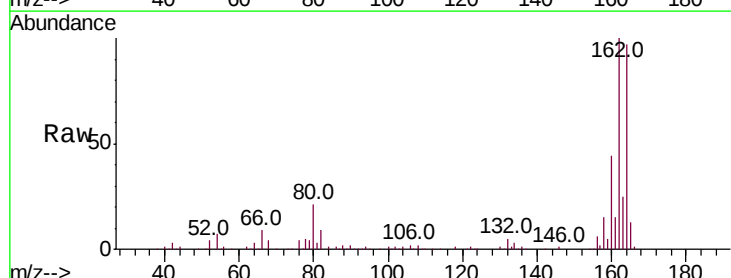
Tgt Ion:165 Resp: 23268

Ion Ratio Lower Upper

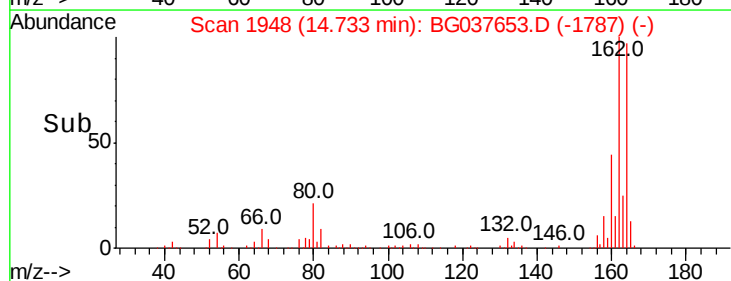
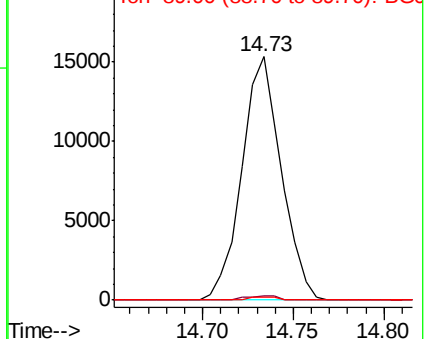
165 100

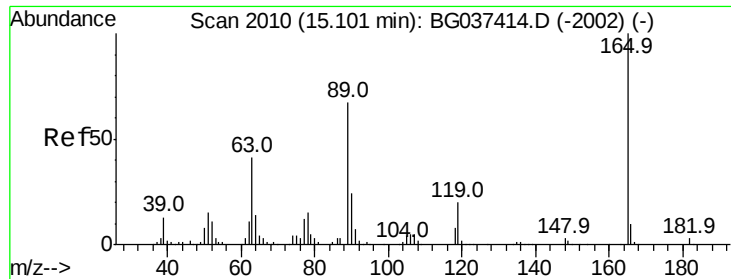
63 1.7 43.4 65.2#

89 1.3 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

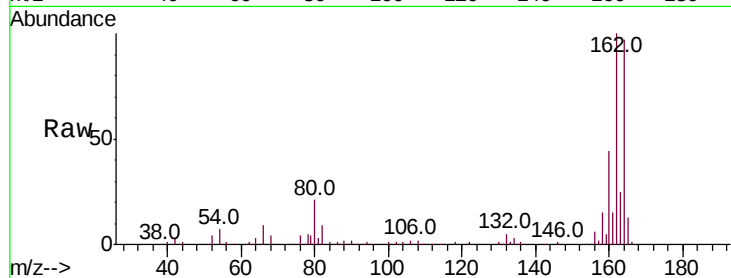




#57
 2,4-Dinitrotoluene
 Concen: 5.697 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	33.4	50.0#
89	1.3	57.2	85.8#
182	0.0	2.6	4.0#

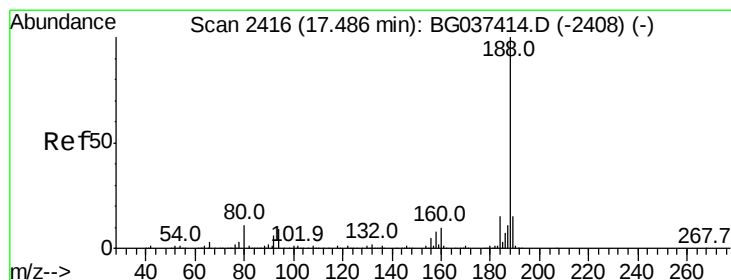
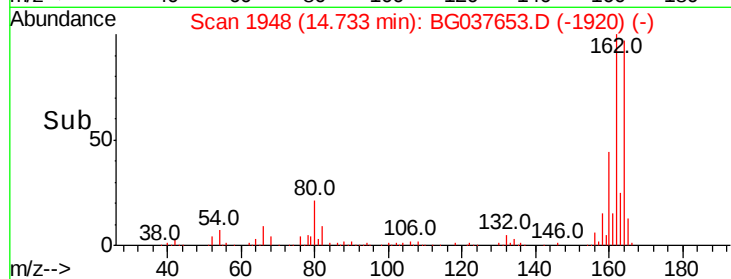
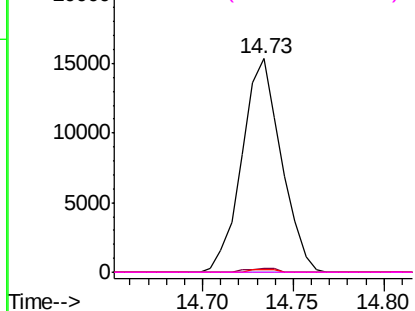


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

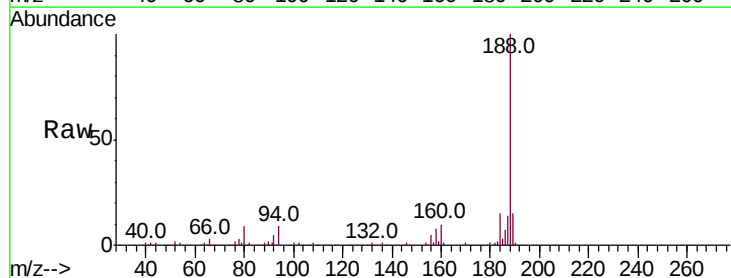
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037653.D
 Acq: 30 Oct 2018 14:44

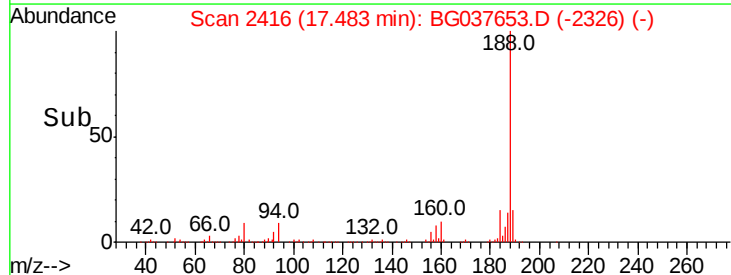
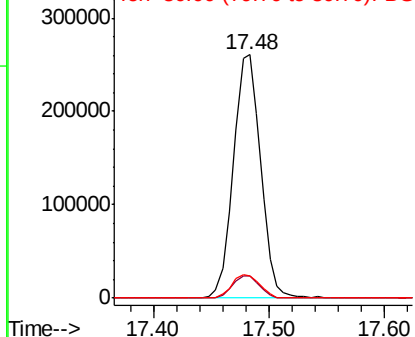
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	8.9	7.7	11.5

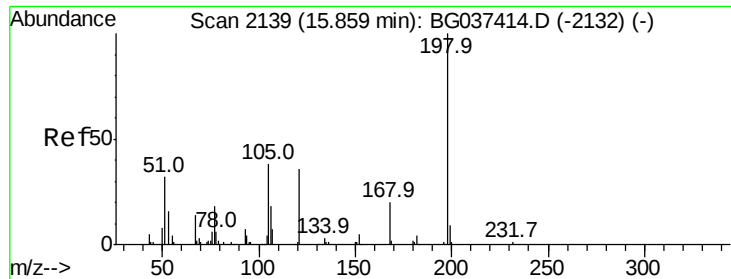


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.652 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

Instrument :

BNA_G

ClientSampleId :

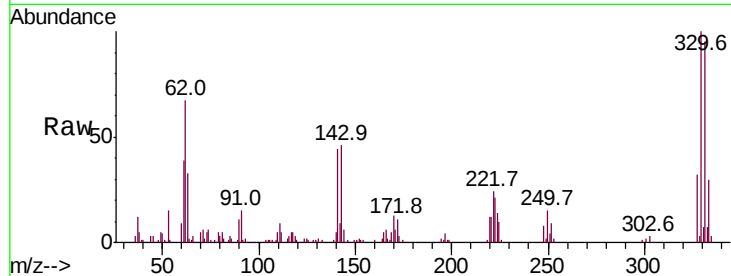
Tot Ion:198 Resp: 391

Ion Ratio Lower Upper

198 100

51 115.7 22.7 62.7#

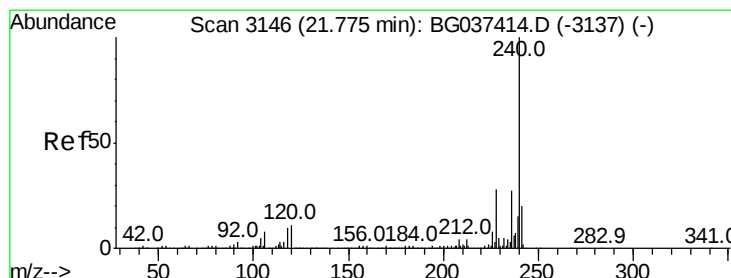
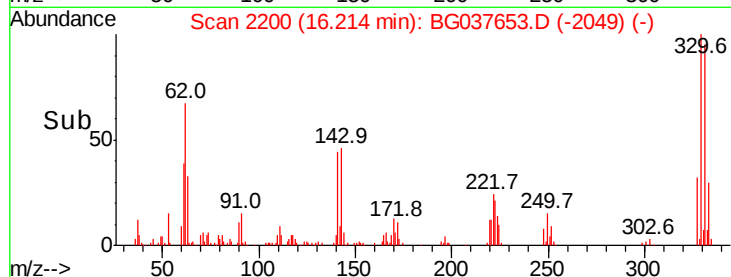
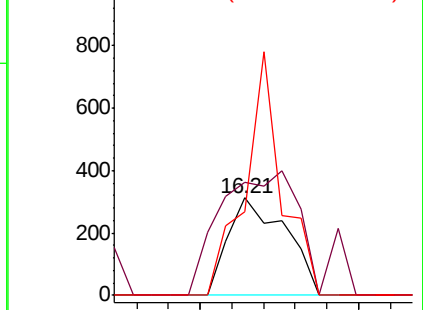
105 85.9 19.7 59.7#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

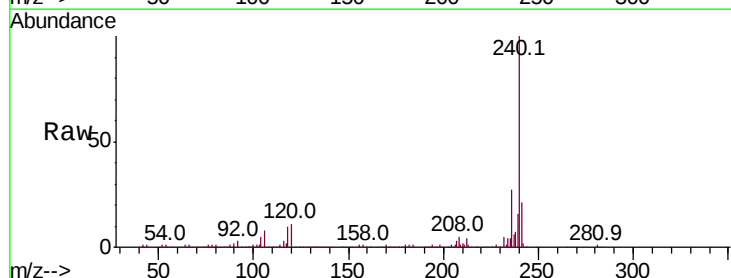
Tgt Ion:240 Resp: 382860

Ion Ratio Lower Upper

240 100

120 11.2 8.1 12.1

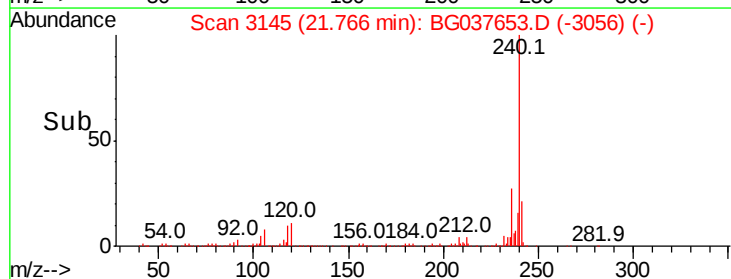
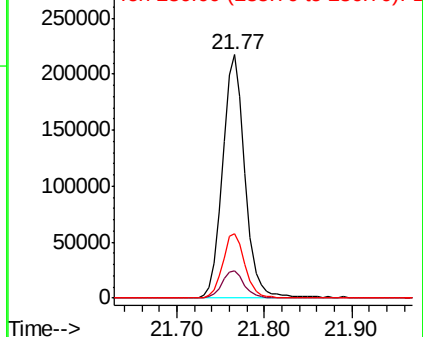
236 26.5 21.4 32.0

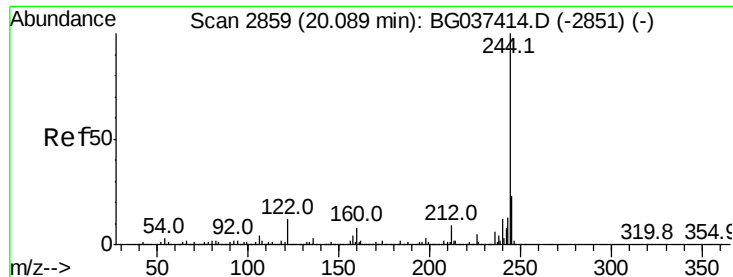


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 39.997 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037653.D

Acq: 30 Oct 2018 14:44

Instrument :

BNA_G

ClientSampleId :

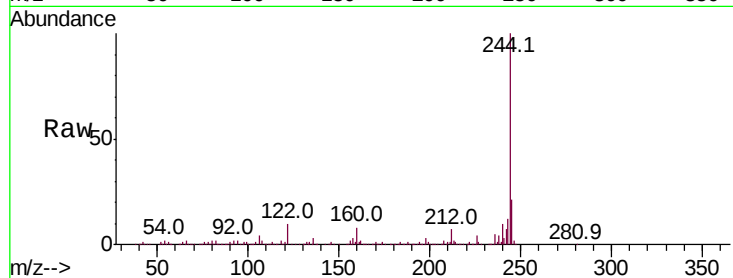
Tot Ion:244 Resp: 716661

Ion Ratio Lower Upper

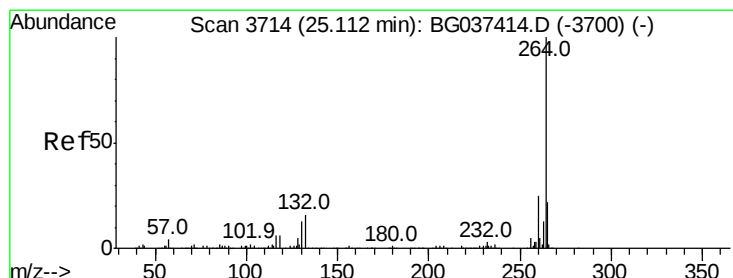
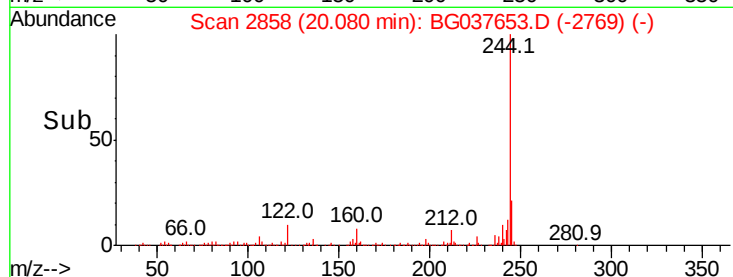
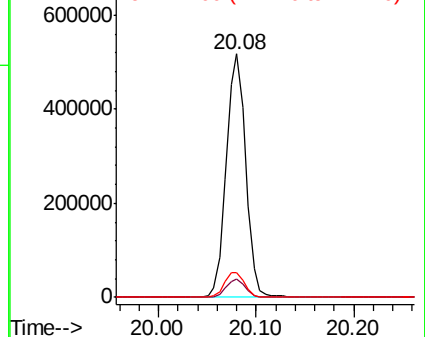
244 100

212 7.3 6.5 9.7

122 10.4 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: BG037653.D

Acq: 30 Oct 2018 14:44

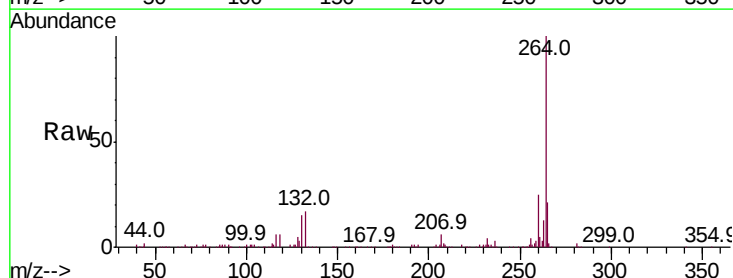
Tgt Ion:264 Resp: 373549

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 21.5 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

