

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037674.D
 Acq On : 31 Oct 2018 5:03
 Operator : JU/SJ
 Sample : J5722-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:11 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

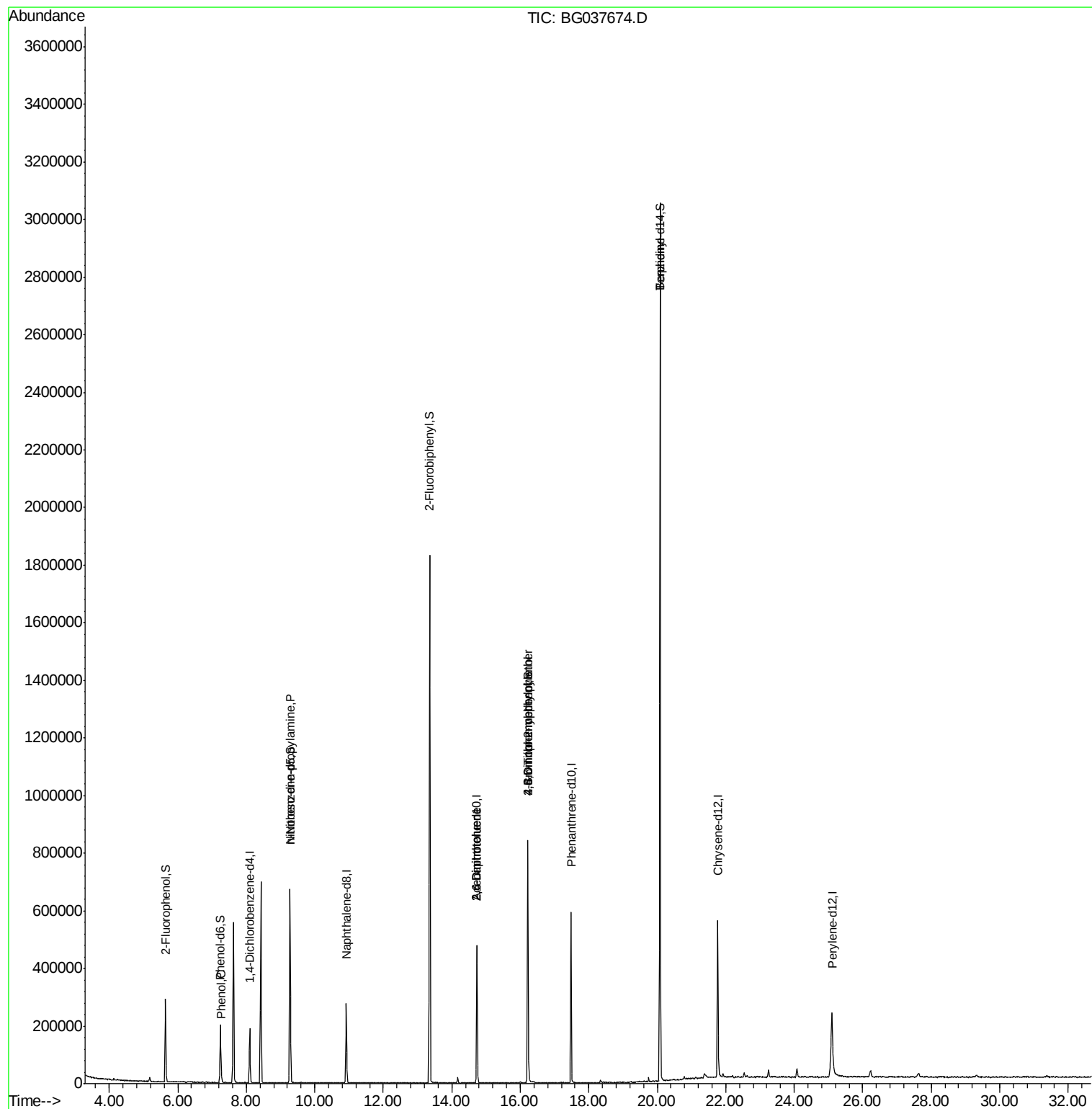
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	57070	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	249292	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	169729	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	388348	20.00	ng	0.00
76) Chrysene-d12	21.77	240	345223	20.00	ng	0.00
87) Perylene-d12	25.10	264	322532	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	139218	40.78	ng	0.00
7) Phenol-d6	7.24	99	127101	24.62	ng	0.00
23) Nitrobenzene-d5	9.27	82	429129	96.43	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	160601	86.75	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1003465	89.15	ng	0.00
79) Terphenyl-d14	20.08	244	1469102	90.93	ng	0.00
Target Compounds						
10) Phenol	7.27	94	26119	4.796	ng	99
19) n-Nitroso-di-n-propylamine	9.27	70	54054	15.207	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	22037	7.587	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	22037	5.780	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	459	8.693	ng	84
67) 4-Bromophenyl-phenylether	16.22	248	11347	2.661	ng	# 1
77) Benizidine	20.08	184	24951	2.126	ng	# 93

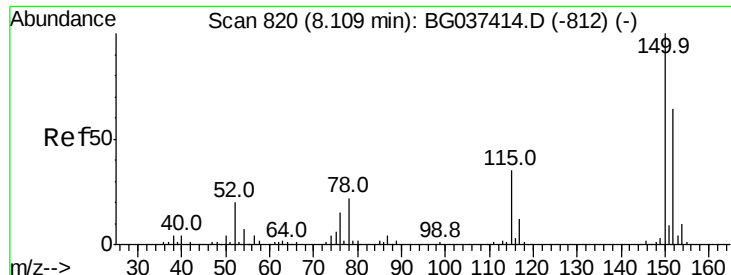
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

Instrument :

BNA_G

ClientSampleId :

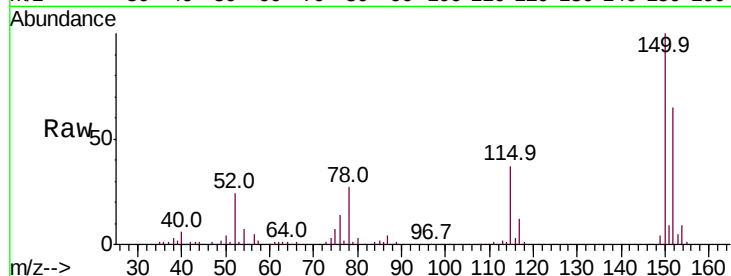
Tot Ion:152 Resp: 57070

Ion Ratio Lower Upper

152 100

150 154.4 126.0 189.0

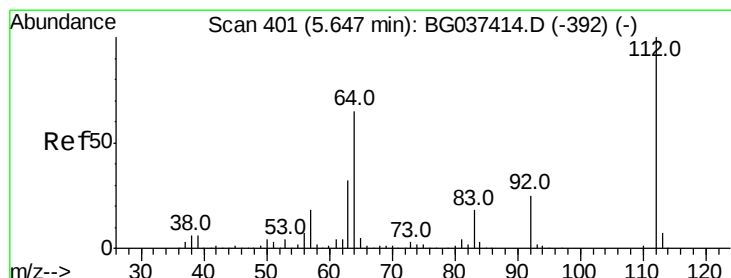
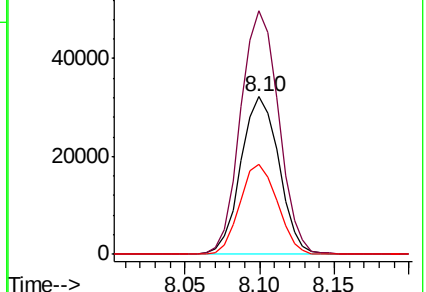
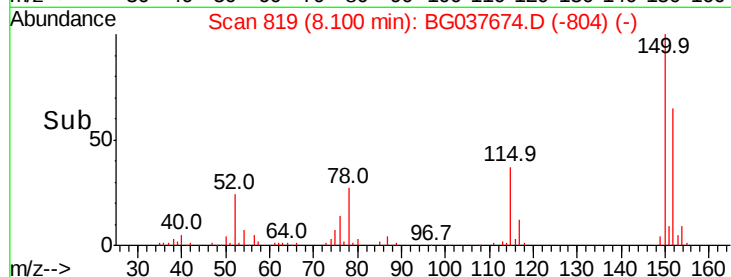
115 56.8 45.5 68.3



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: 40.784 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

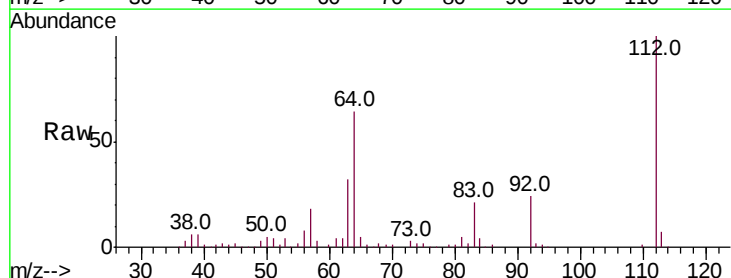
Tgt Ion:112 Resp: 139218

Ion Ratio Lower Upper

112 100

64 64.1 53.1 79.7

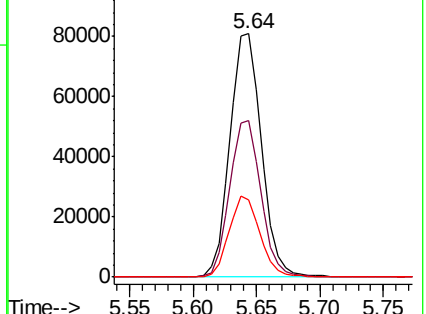
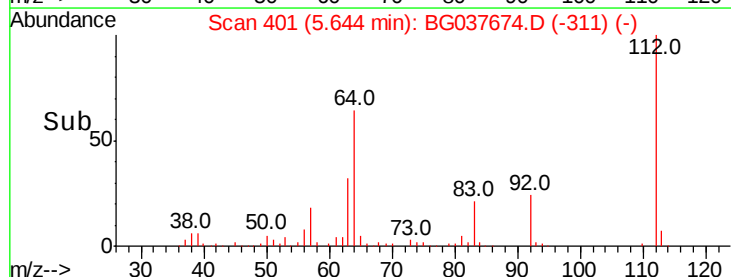
63 31.6 27.3 40.9

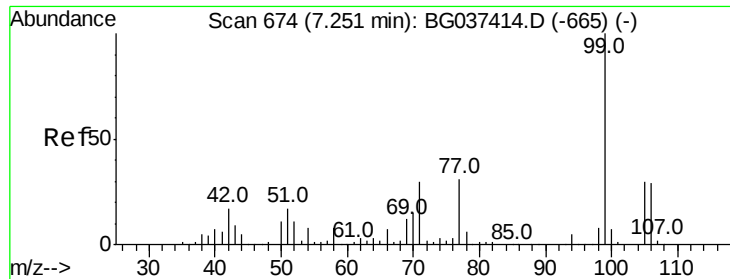


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.624 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

Instrument :

BNA_G

ClientSampleId :

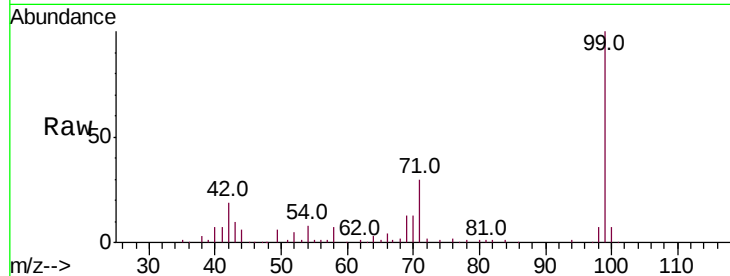
Tot Ion: 99 Resp: 127101

Ion Ratio Lower Upper

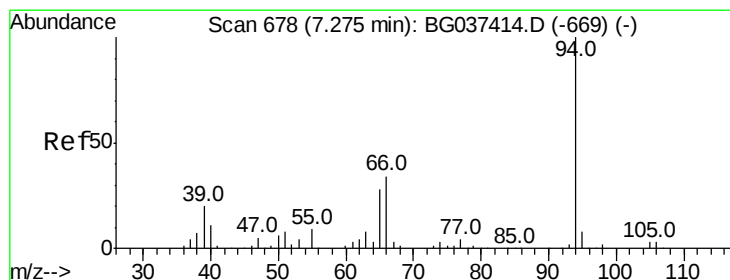
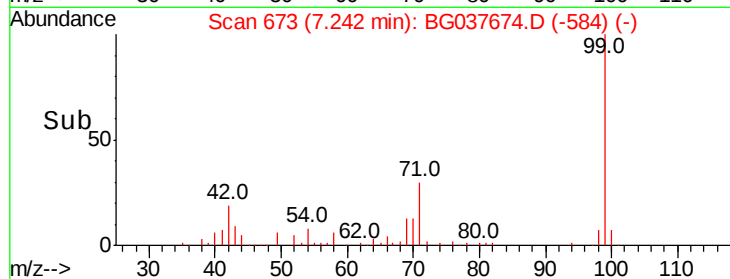
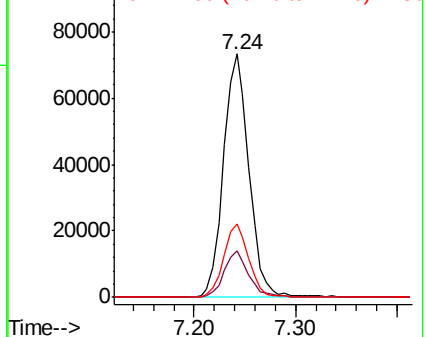
99 100

42 18.9 15.0 22.4

71 30.2 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



#10

Phenol

Concen: 4.796 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

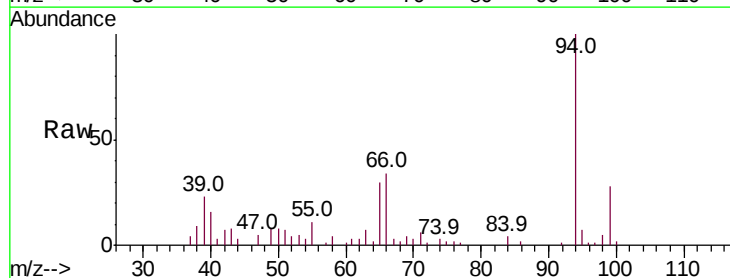
Tgt Ion: 94 Resp: 26119

Ion Ratio Lower Upper

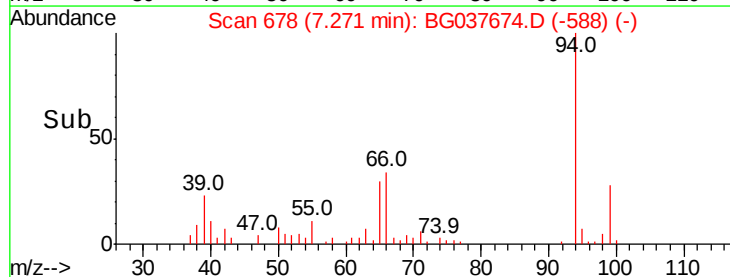
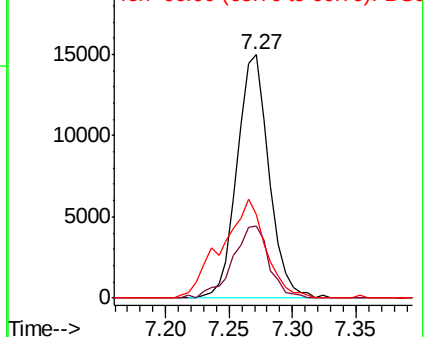
94 100

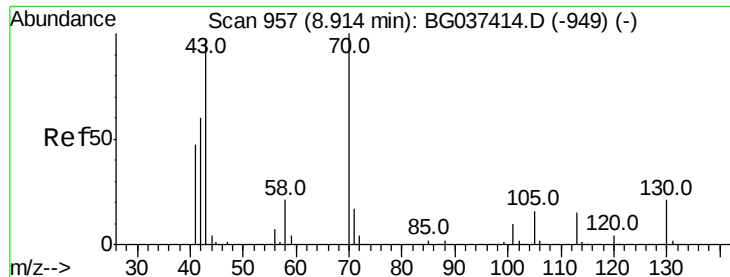
65 29.6 9.7 49.7

66 34.4 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: 15.207 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 54054

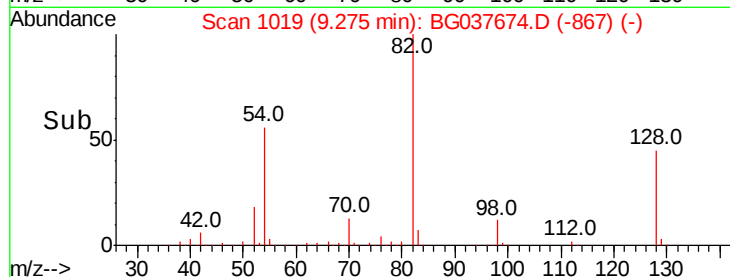
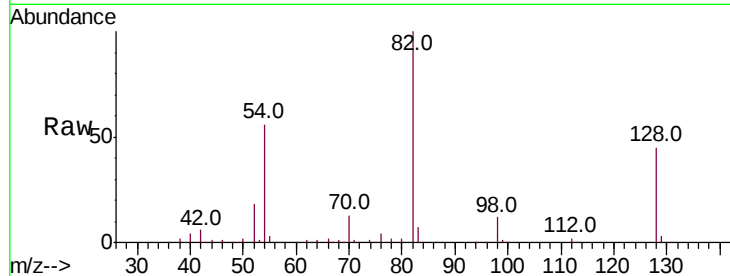
Ion Ratio Lower Upper

70 100

42 46.1 53.9 80.9#

101 0.0 8.2 12.2#

130 2.1 18.2 27.4#

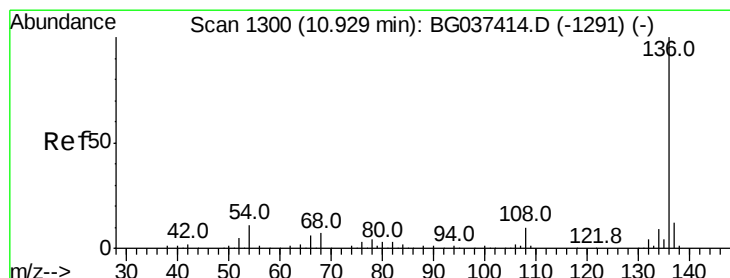
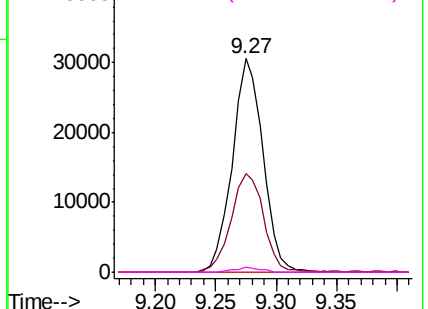


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037674.D

Acq: 31 Oct 2018 5:03

Tgt Ion: 136 Resp: 249292

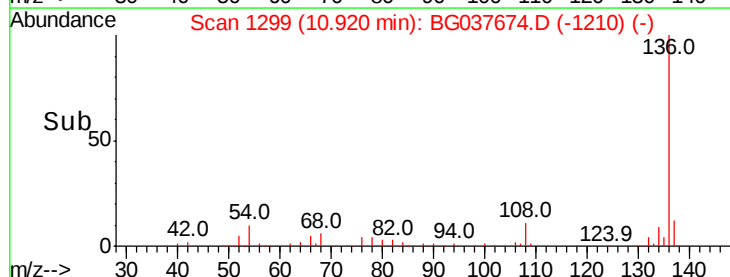
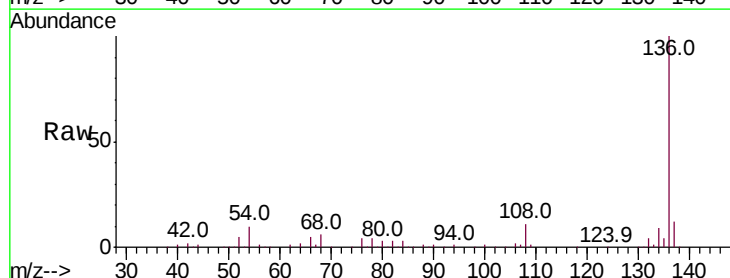
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 9.9 7.9 11.9

68 6.0 4.8 7.2

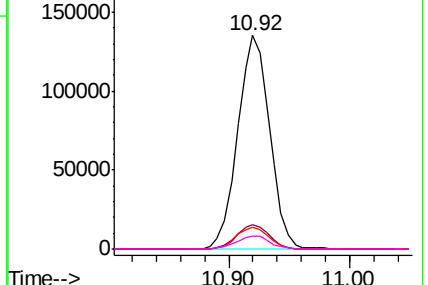


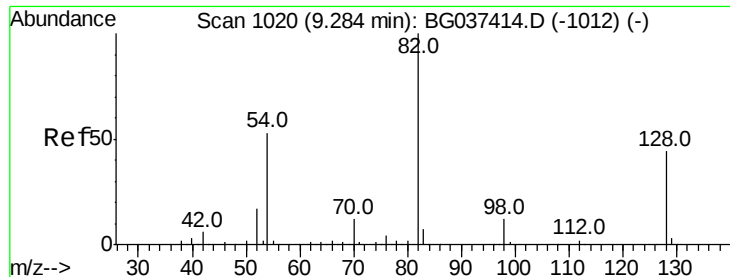
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

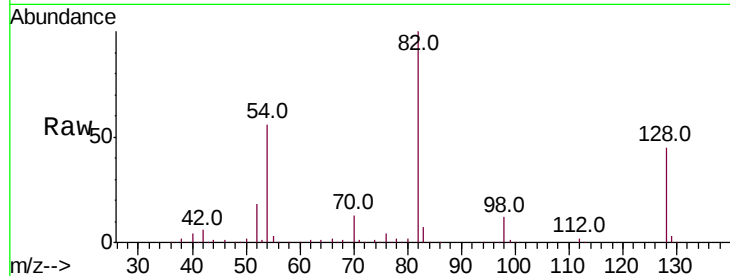




#23
Nitrobenzene-d5
Concen: 96.431 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037674.D
Acq: 31 Oct 2018 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	51.8
54	55.6	45.3	67.9

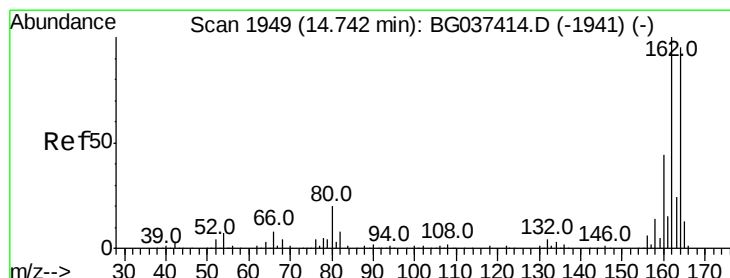
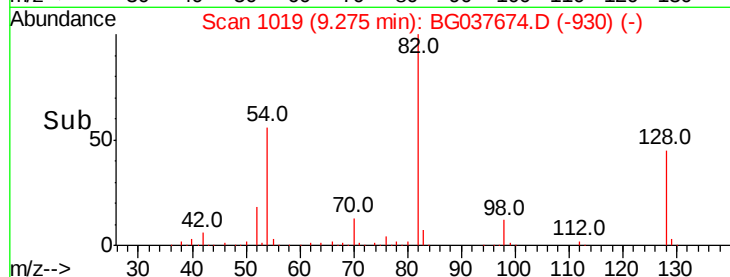
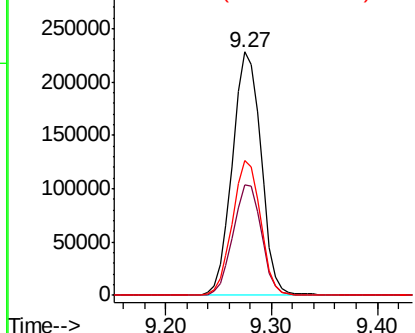


Abundance

Ion 82.00 (81.70 to 82.70): BGC

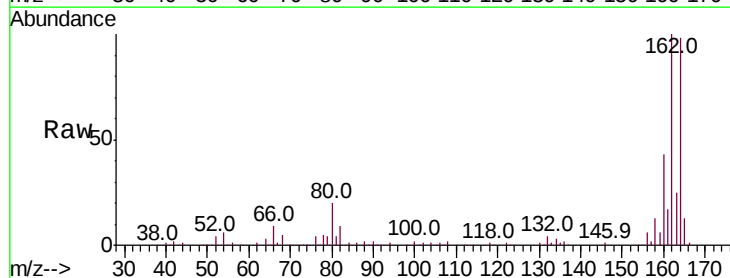
Ion 128.00 (127.70 to 128.70): BGC

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: BG037674.D
Acq: 31 Oct 2018 5:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.3	121.9
160	44.2	36.3	54.5

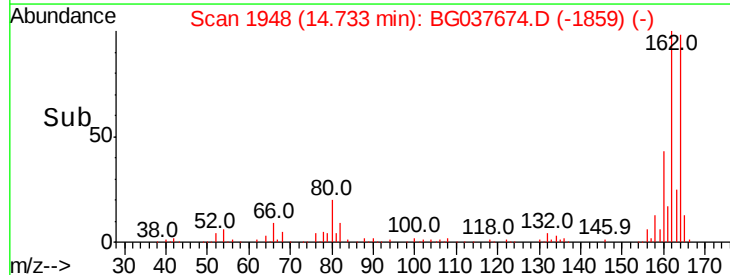
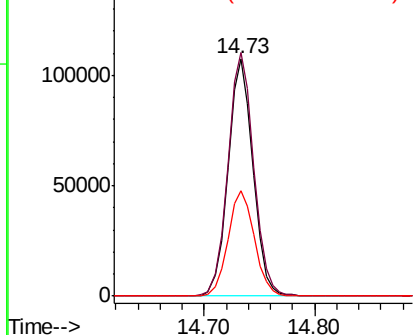


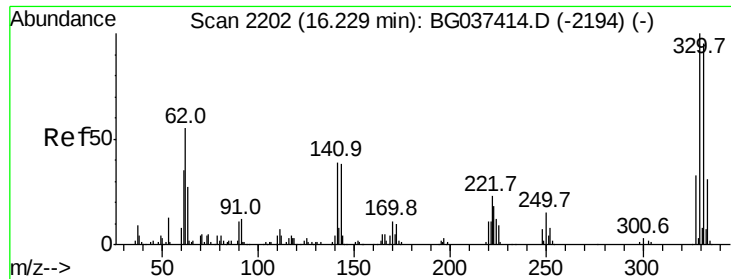
Abundance

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

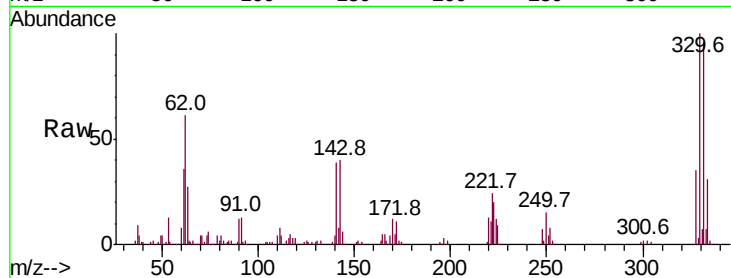




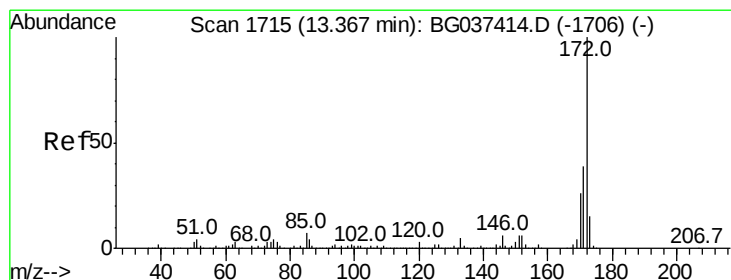
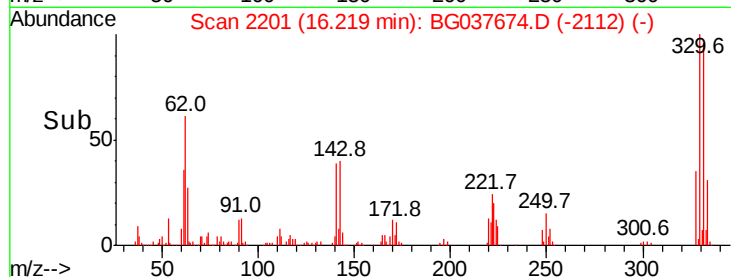
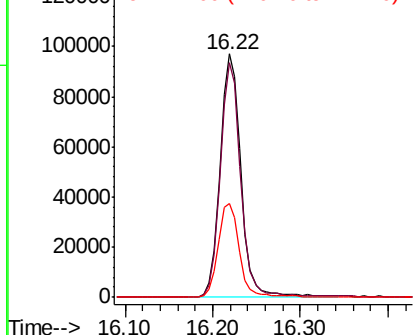
#42
 2,4,6-Tribromophenol
 Concen: 86.754 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	78.4	117.6
141	38.9	32.2	48.2

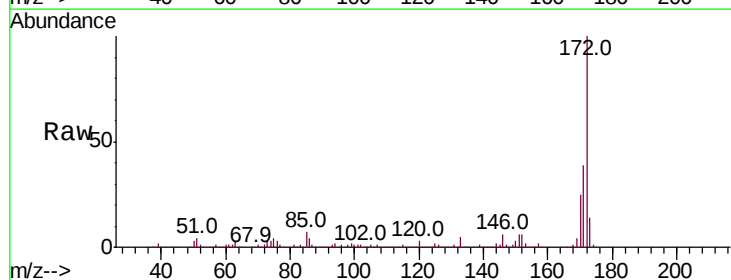


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

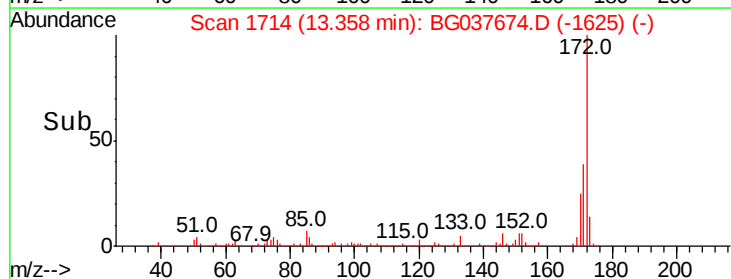
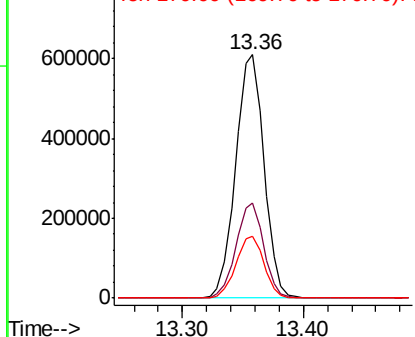


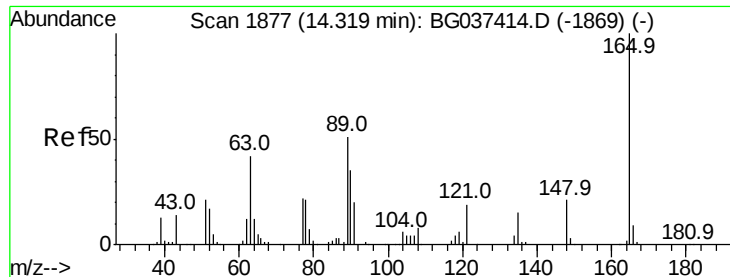
#45
 2-Fluorobiphenyl
 Concen: 89.152 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	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

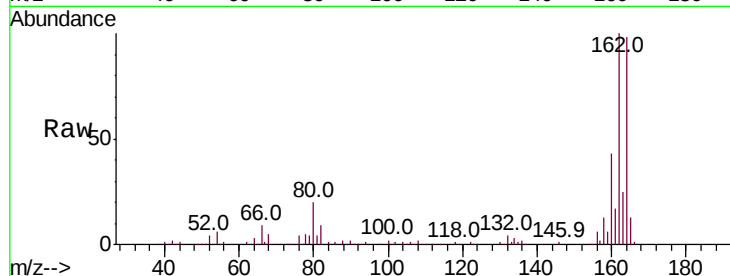




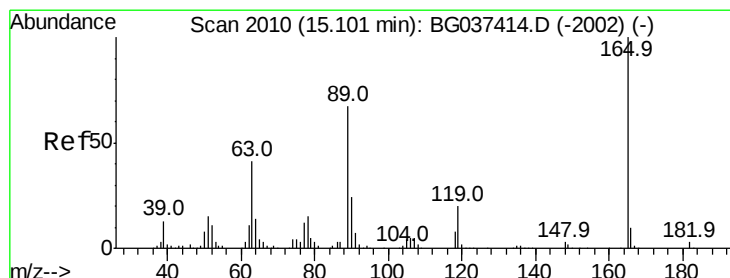
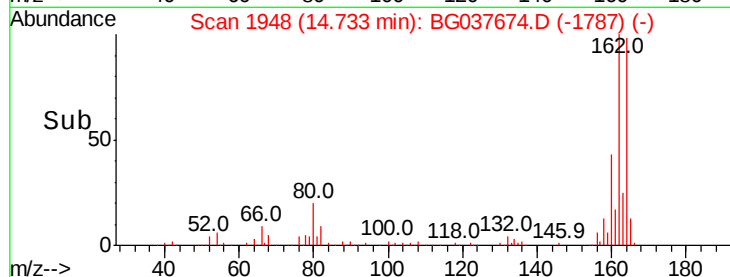
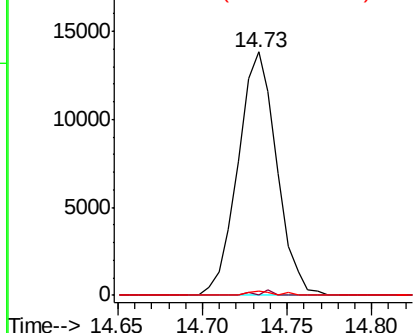
#51
 2,6-Dinitrotoluene
 Concen: 7.587 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.8	45.8	68.6#



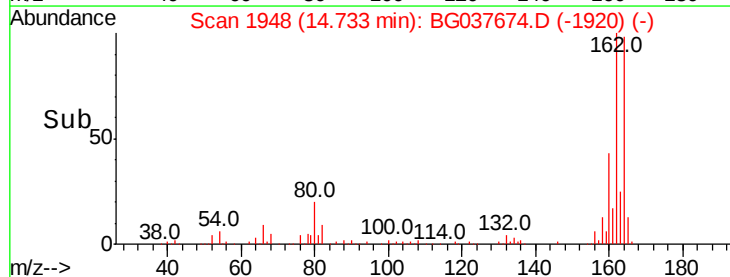
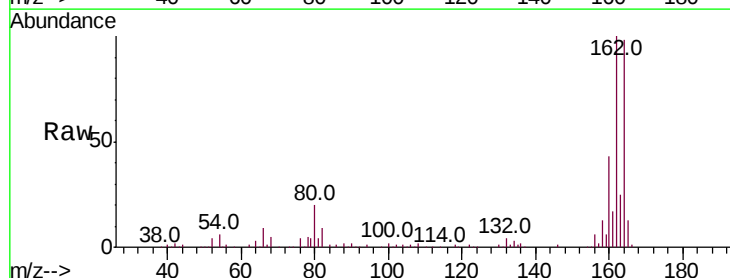
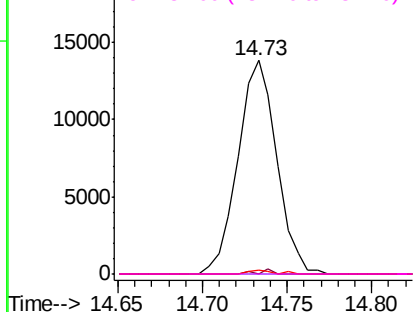
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

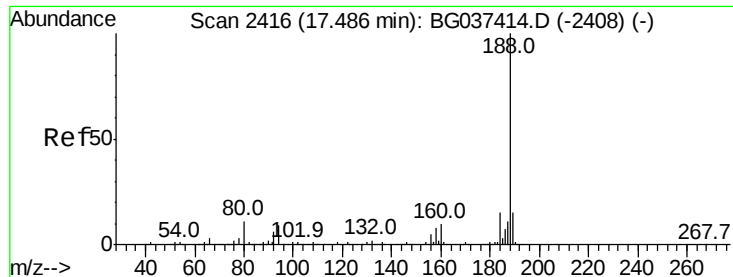


#57
 2,4-Dinitrotoluene
 Concen: 5.780 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.8	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

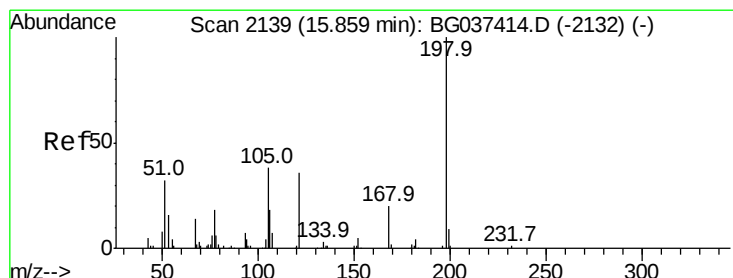
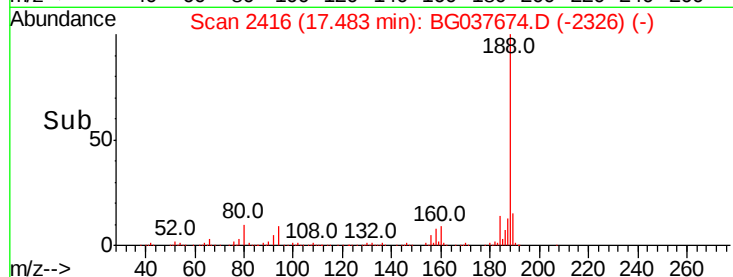
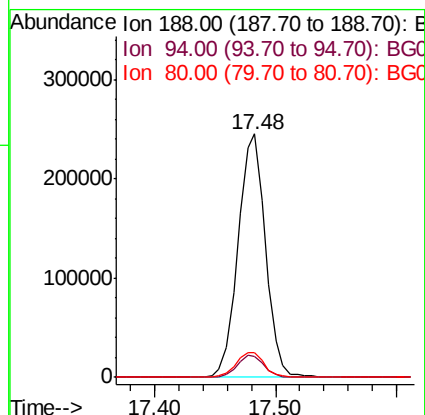
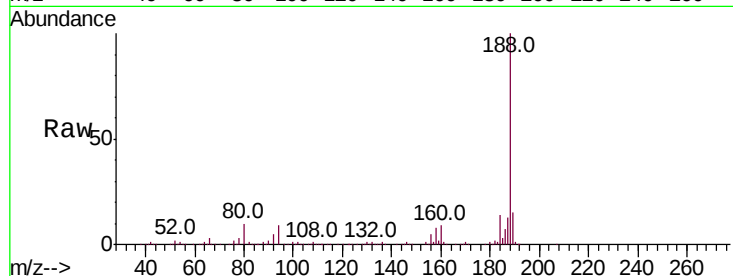




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037674.D
Acq: 31 Oct 2018 5:03

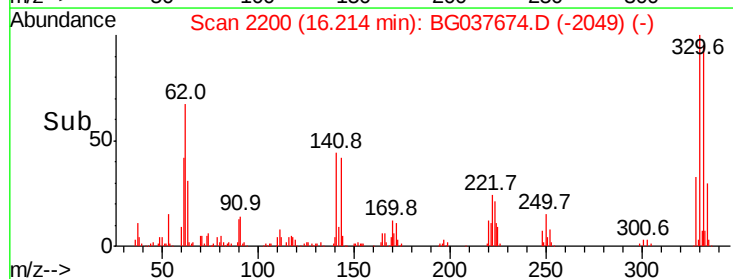
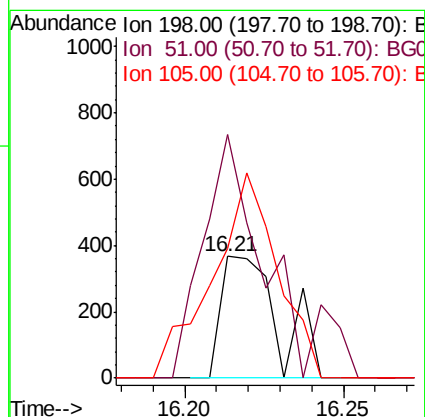
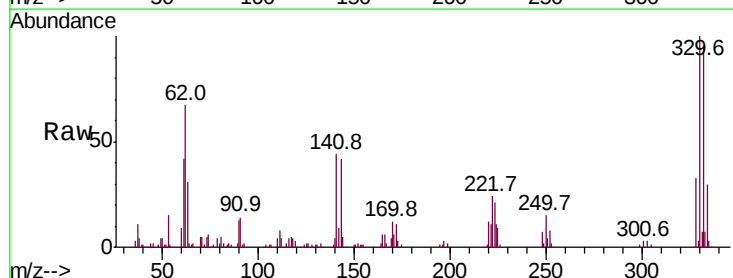
Instrument :
BNA_G
ClientSampleId :

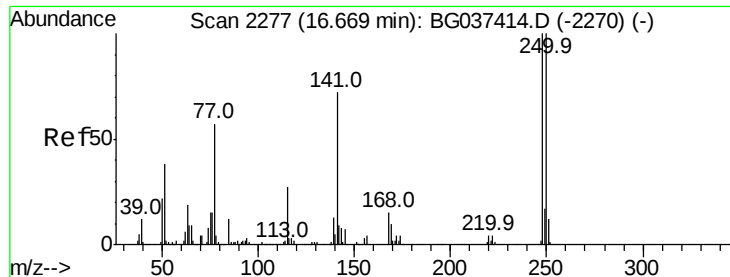
Tot Ion:188 Resp: 388348
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 10.3 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.693 ng
RT: 16.21 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037674.D
Acq: 31 Oct 2018 5:03

Tgt Ion:198 Resp: 459
Ion Ratio Lower Upper
198 100
51 40.6 22.7 62.7
105 21.6 19.7 59.7

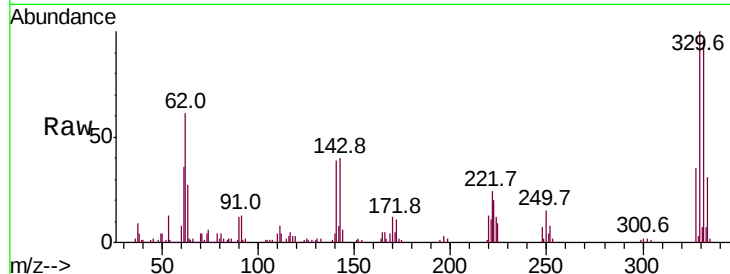




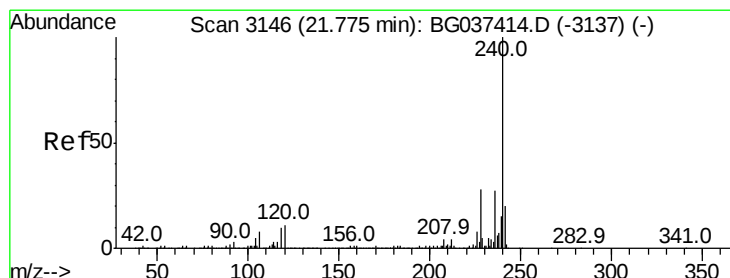
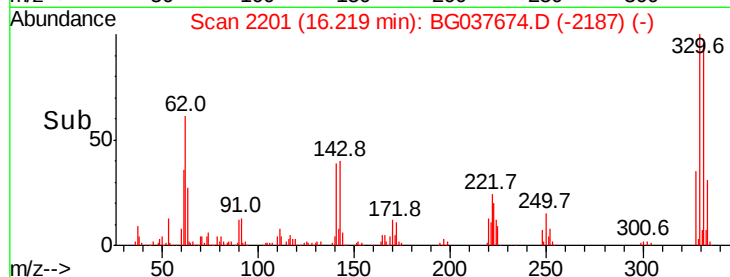
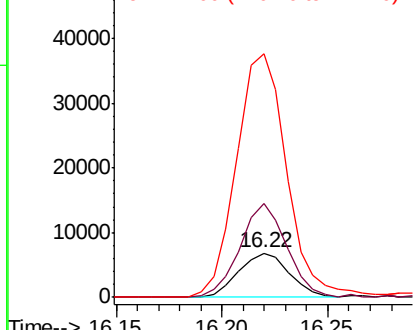
#67
 4-Bromophenyl-phenylether
 Concen: 2.661 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11347
 Ion Ratio Lower Upper
 248 100
 250 212.5 77.0 115.6#
 141 424.4 55.5 83.3#

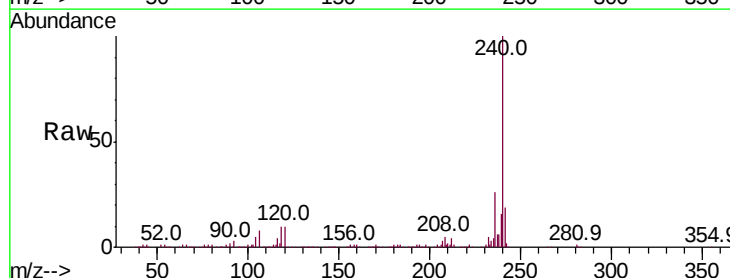


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

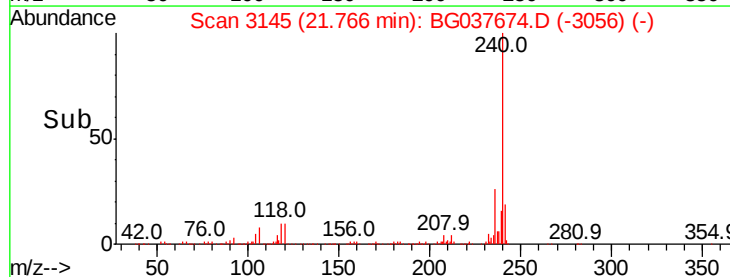
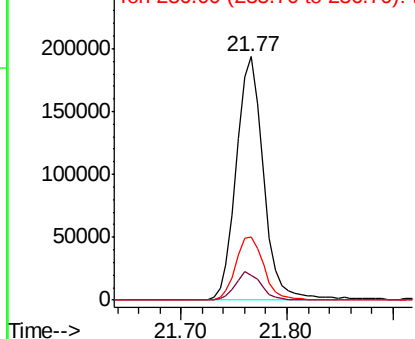


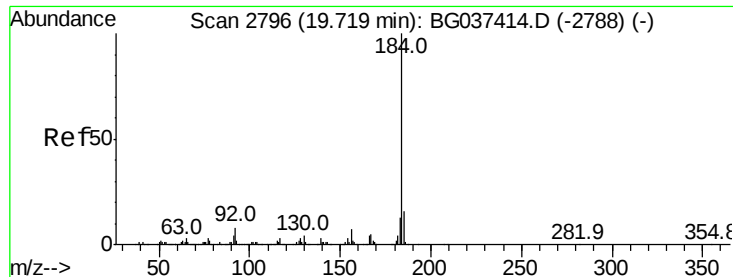
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037674.D
 Acq: 31 Oct 2018 5:03

Tgt Ion:240 Resp: 345223
 Ion Ratio Lower Upper
 240 100
 120 9.9 8.1 12.1
 236 26.1 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





#77

Benzidine

Concen: 2.126 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

Instrument :

BNA_G

ClientSampleId :

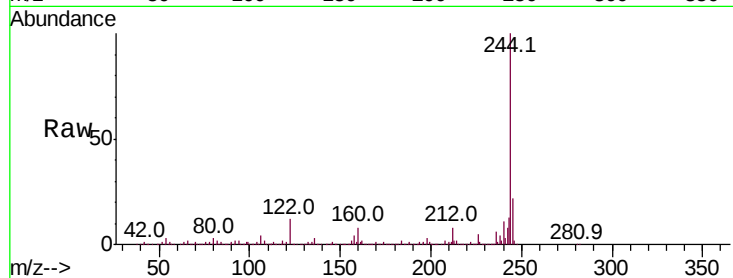
Tot Ion:184 Resp: 24951

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

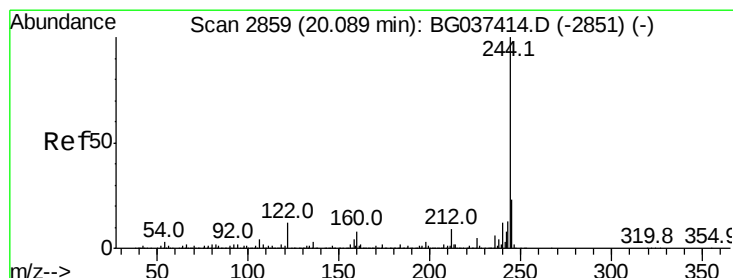
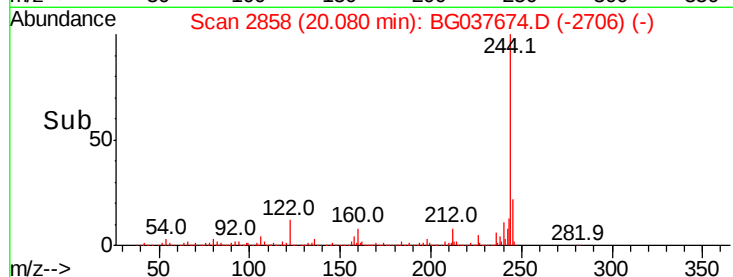
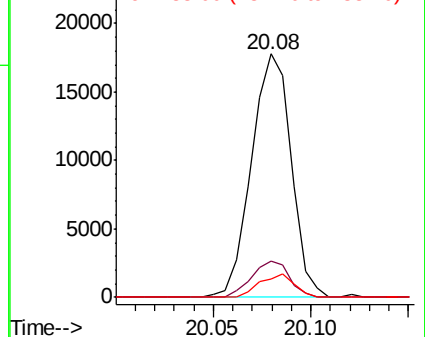
183 7.3 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 90.930 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037674.D

Acq: 31 Oct 2018 5:03

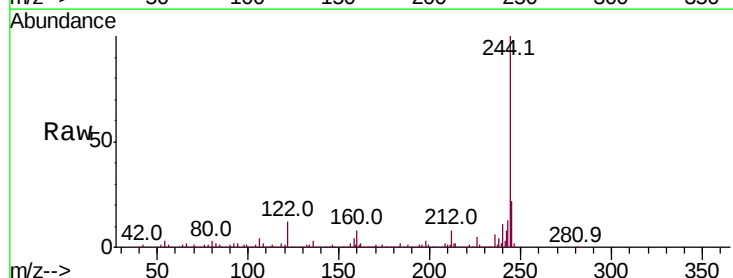
Tgt Ion:244 Resp: 1469102

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

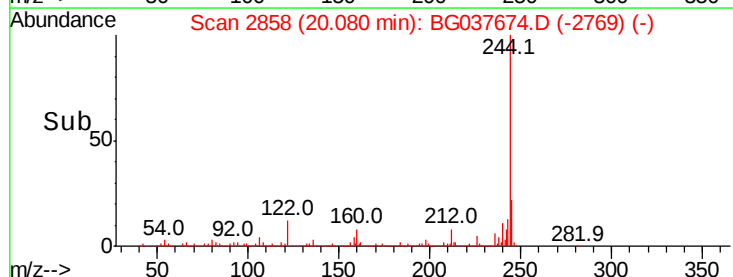
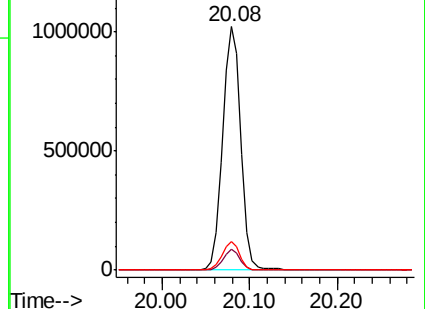
122 11.7 9.0 13.4

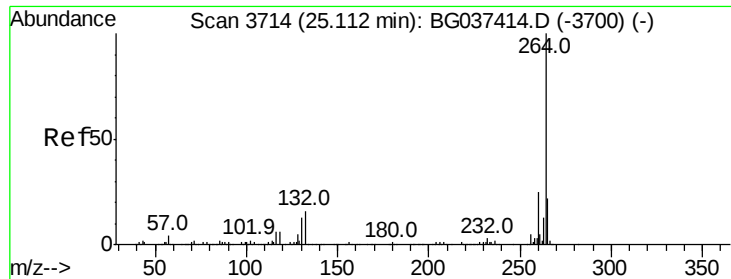


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG037674.D
Acq: 31 Oct 2018 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	20.8	17.9	26.9

