

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037676.D
 Acq On : 31 Oct 2018 6:22
 Operator : JU/SJ
 Sample : J5722-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:39 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

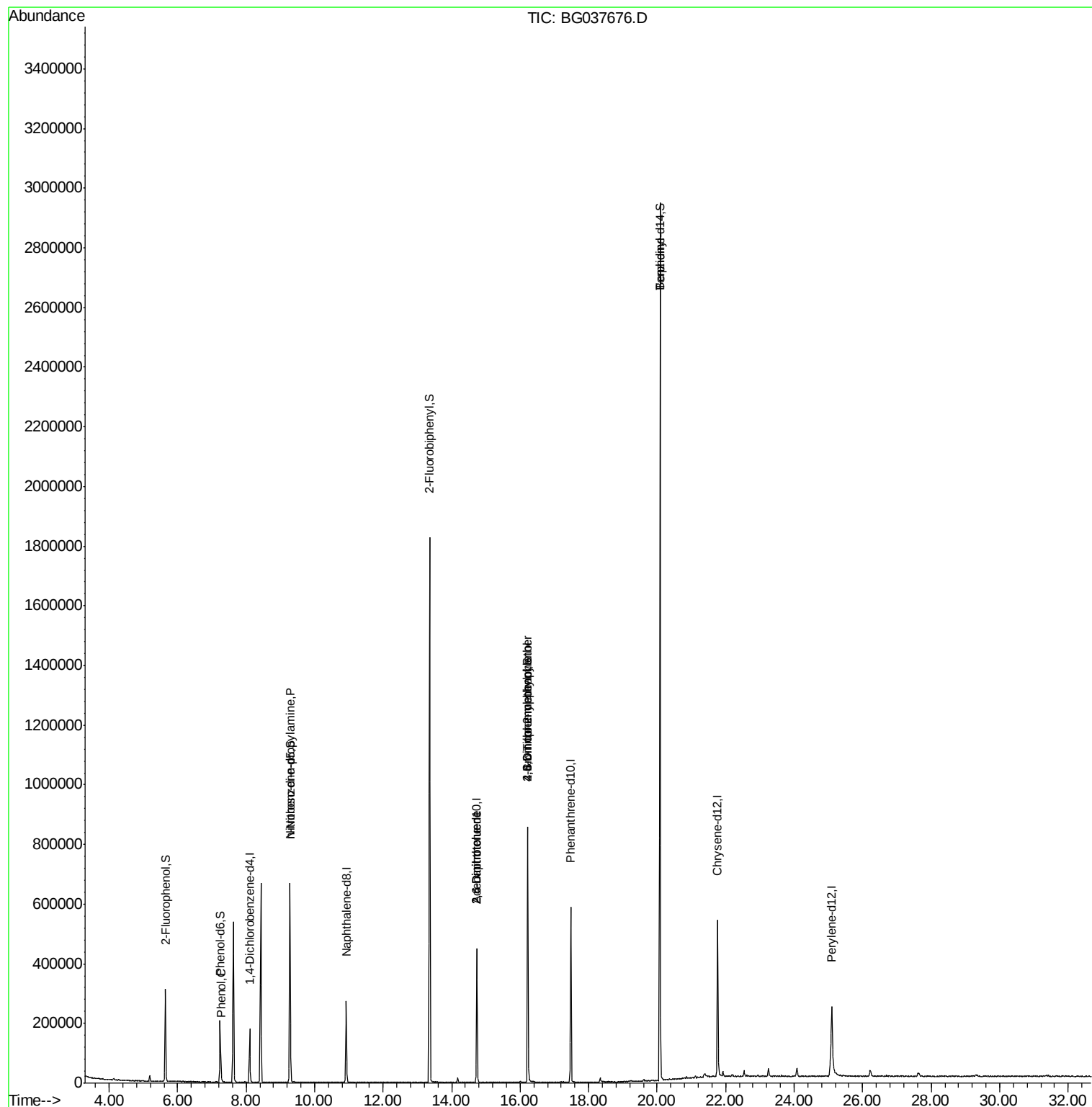
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54566	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	240511	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	164864	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	383372	20.00	ng	0.00
76) Chrysene-d12	21.76	240	342879	20.00	ng	-0.01
87) Perylene-d12	25.10	264	318101	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	142743	43.74	ng	0.00
7) Phenol-d6	7.24	99	133260	27.00	ng	-0.01
23) Nitrobenzene-d5	9.28	82	416393	96.98	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	159230	88.55	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	980936	89.72	ng	-0.01
79) Terphenyl-d14	20.08	244	1469542	91.58	ng	0.00
Target Compounds						
10) Phenol	7.27	94	19630	3.770	ng	90
19) n-Nitroso-di-n-propylamine	9.28	70	53104	15.626	ng	# 70
51) 2,6-Dinitrotoluene	14.73	165	21837	7.740	ng	# 23
57) 2,4-Dinitrotoluene	14.73	165	21837	5.896	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.21	198	191	8.586	ng	80
67) 4-Bromophenyl-phenylether	16.22	248	11339	2.693	ng	# 1
77) Benzidine	20.08	184	23369	2.004	ng	# 93

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

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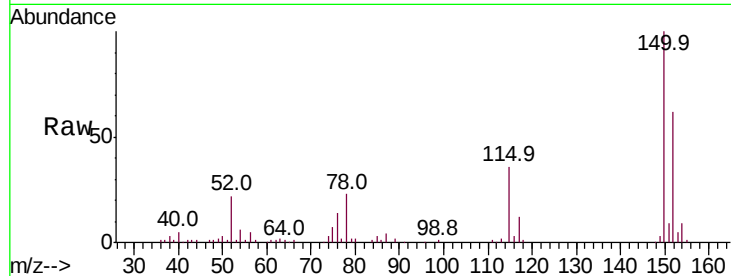


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	126.0	189.0
115	58.9	45.5	68.3

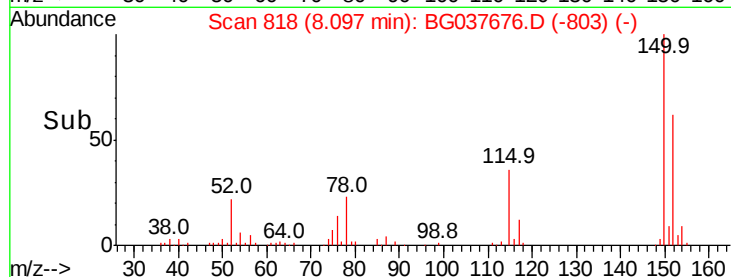
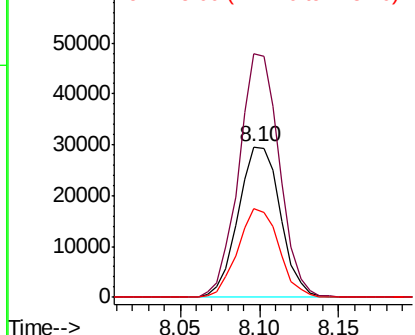


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

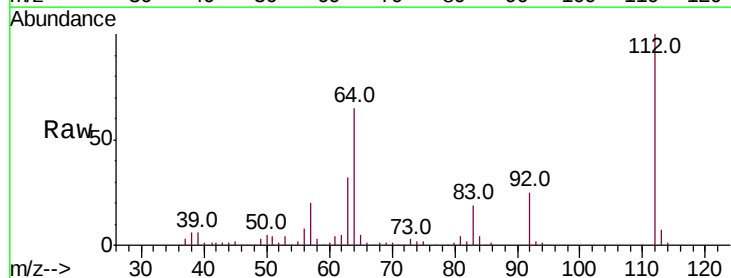
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.735 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.1	79.7
63	31.7	27.3	40.9

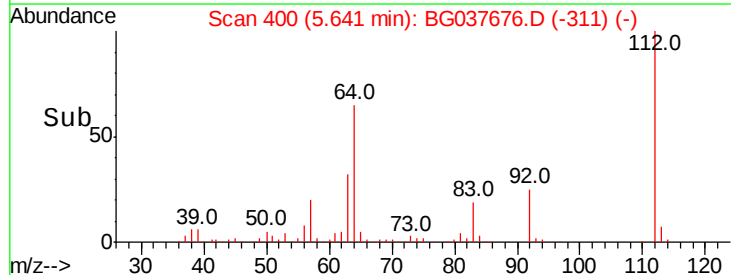
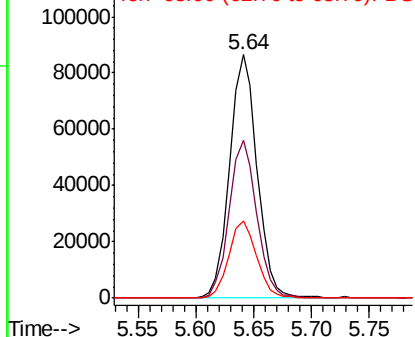


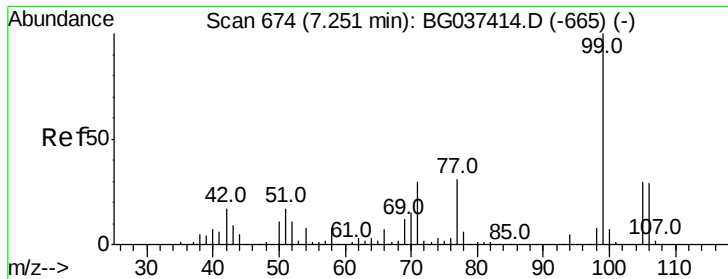
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 27.002 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

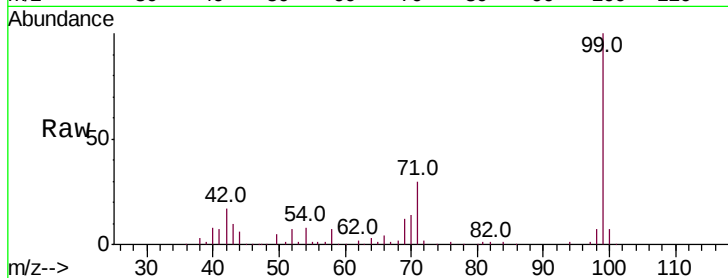
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 133260

Ion	Ratio	Lower	Upper
99	100		
42	17.3	15.0	22.4
71	30.1	25.5	38.3

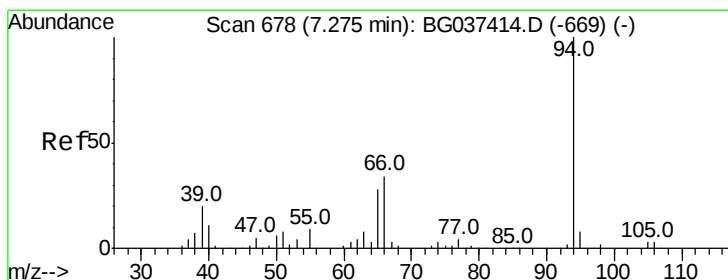
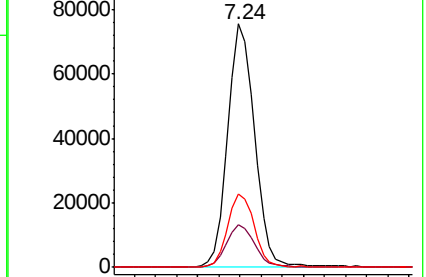
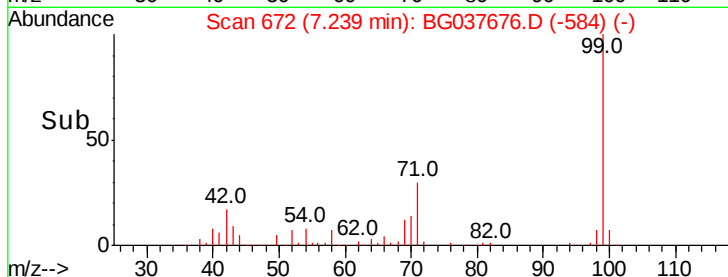


Abundance

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: 3.770 ng

RT: 7.27 min Scan# 677

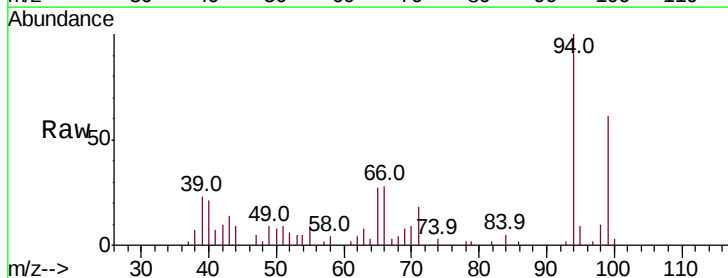
Delta R.T. -0.01 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

Tgt Ion: 94 Resp: 19630

Ion	Ratio	Lower	Upper
94	100		
65	27.1	9.7	49.7
66	27.9	15.9	55.9

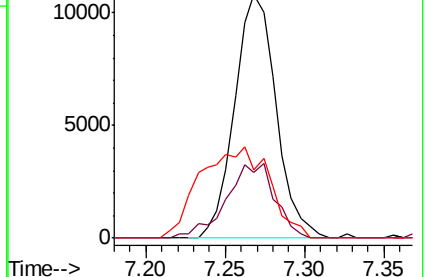
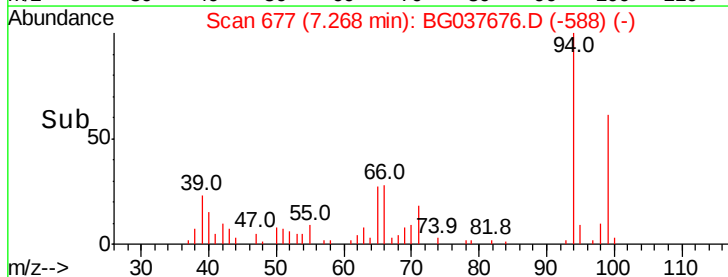


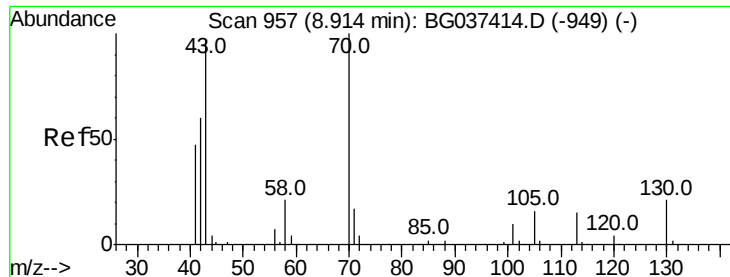
Abundance

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: 15.626 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 53104

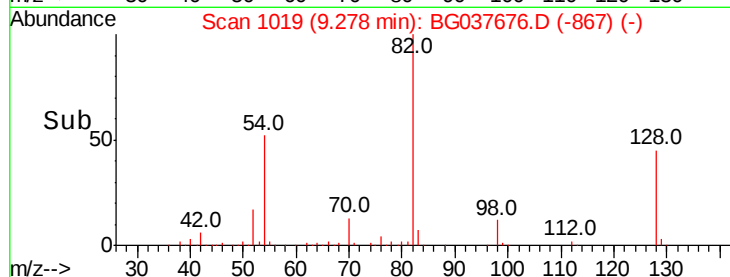
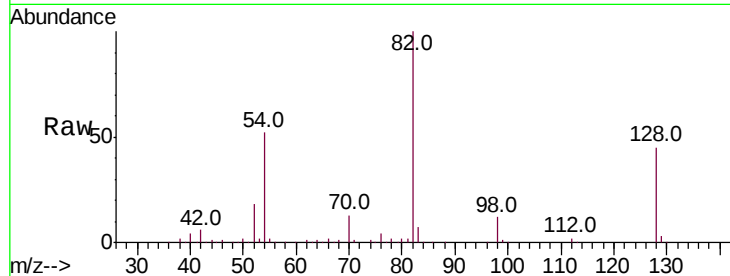
Ion Ratio Lower Upper

70 100

42 46.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.5 18.2 27.4#

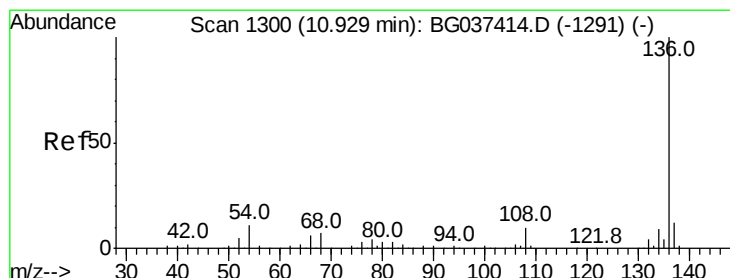
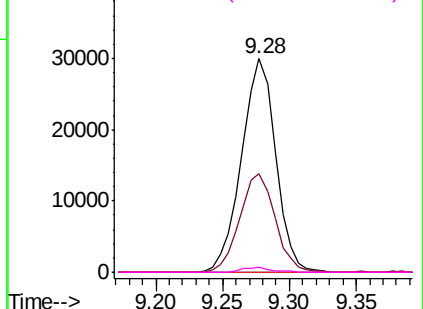


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037676.D

Acq: 31 Oct 2018 6:22

Tgt Ion: 136 Resp: 240511

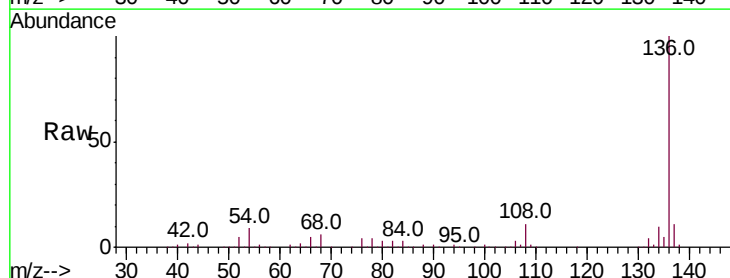
Ion Ratio Lower Upper

136 100

137 11.2 9.6 14.4

54 9.4 7.9 11.9

68 5.9 4.8 7.2

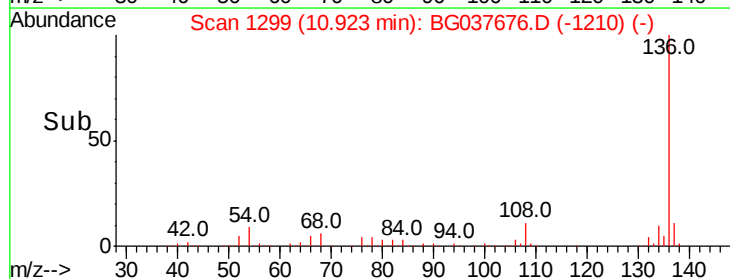
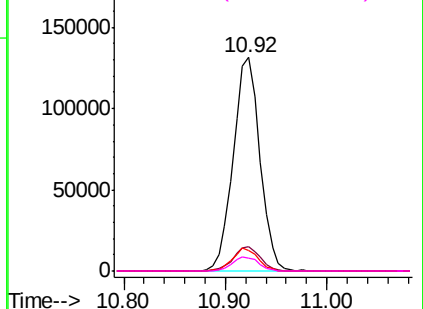


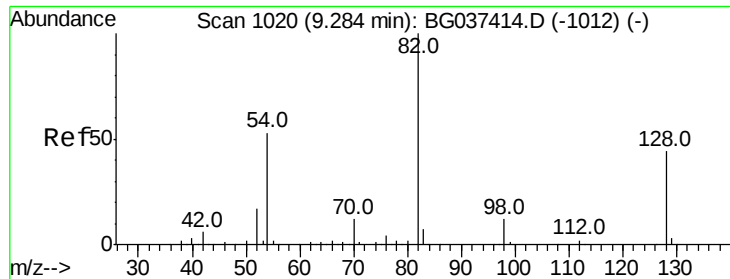
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

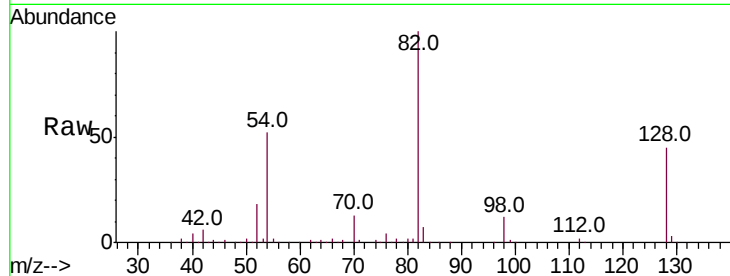




#23
Nitrobenzene-d5
Concen: 96.985 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.6	51.8
54	52.2	45.3	67.9

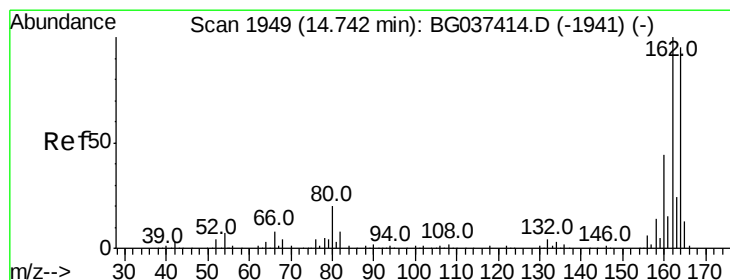
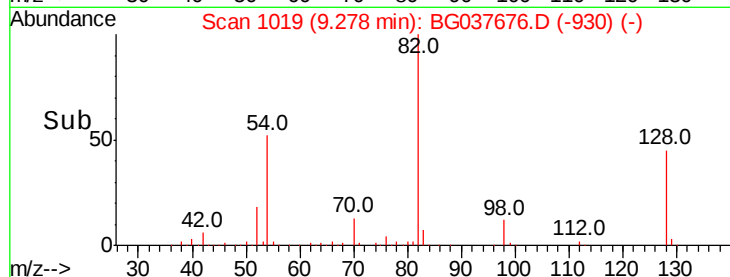
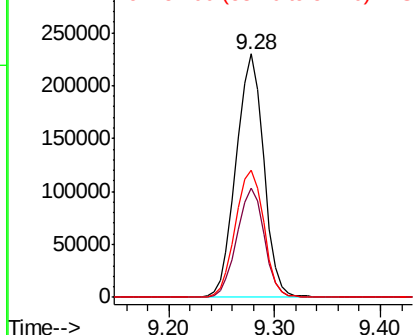


Abundance

Ion 82.00 (81.70 to 82.70): BGC

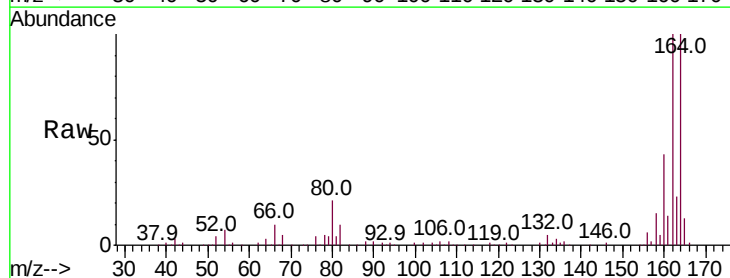
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.3	121.9
160	42.8	36.3	54.5

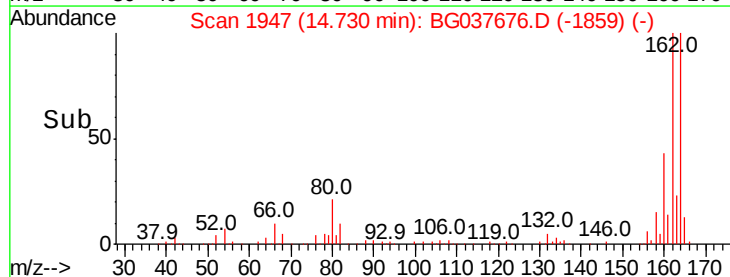
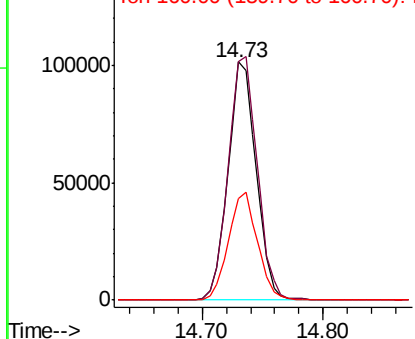


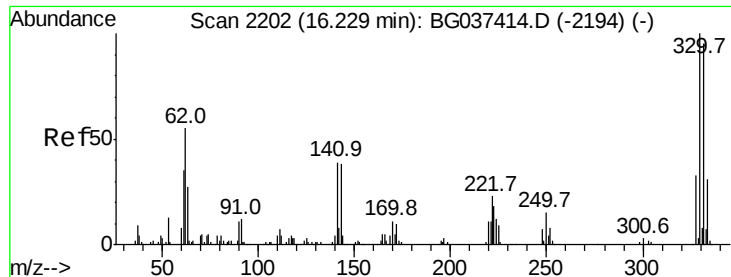
Abundance

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

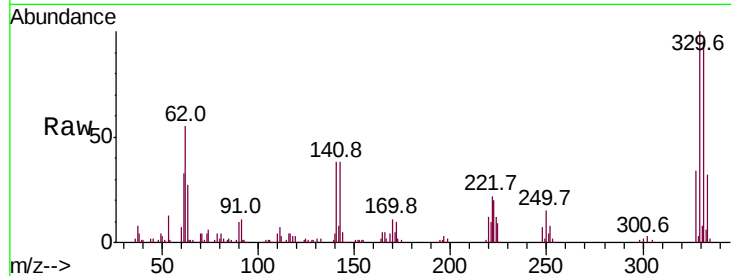




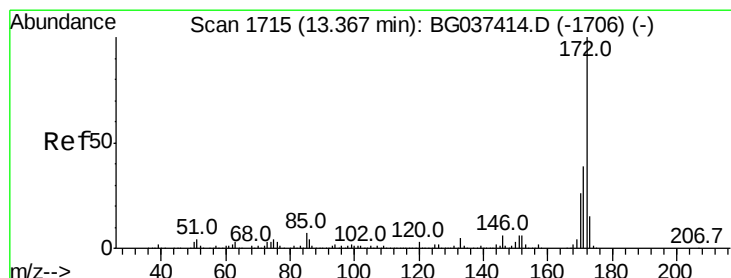
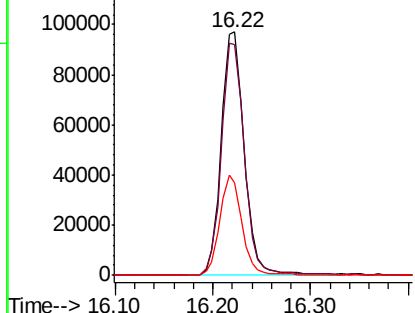
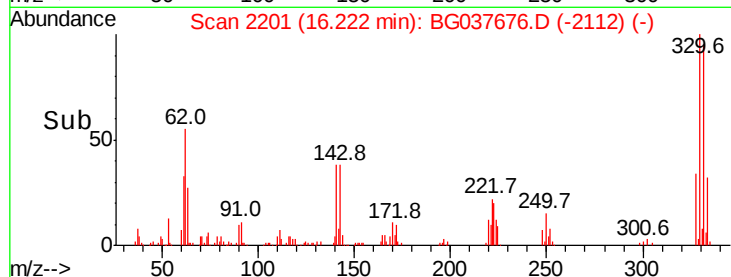
#42
 2,4,6-Tribromophenol
 Concen: 88.552 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037676.D
 Acq: 31 Oct 2018 6:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.4	117.6
141	39.7	32.2	48.2

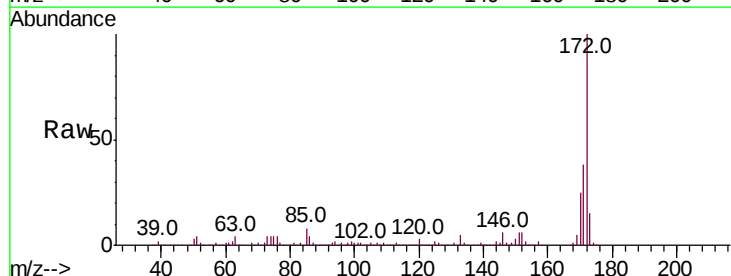


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

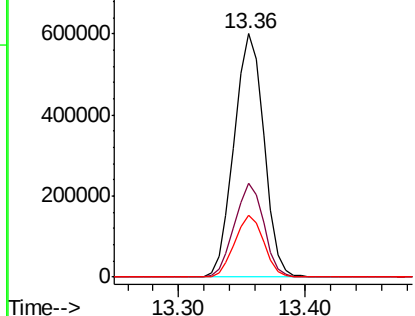
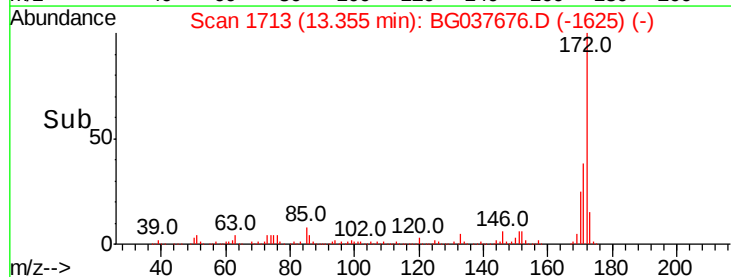


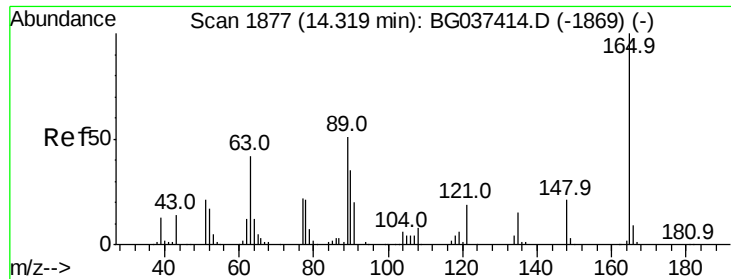
#45
 2-Fluorobiphenyl
 Concen: 89.722 ng
 RT: 13.36 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037676.D
 Acq: 31 Oct 2018 6:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	25.2	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

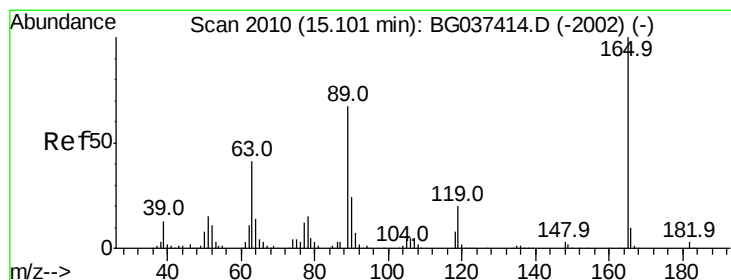
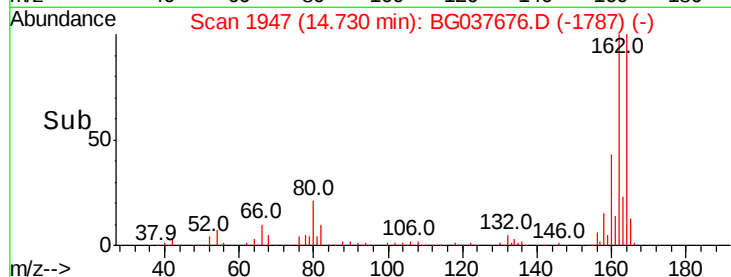
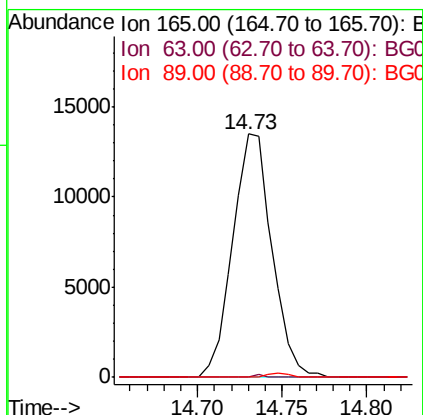
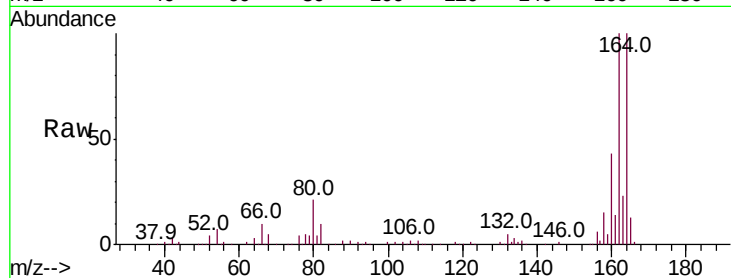




#51
 2,6-Dinitrotoluene
 Concen: 7.740 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG037676.D
 Acq: 31 Oct 2018 6:22

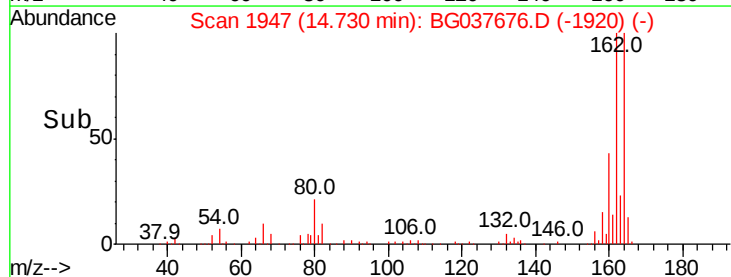
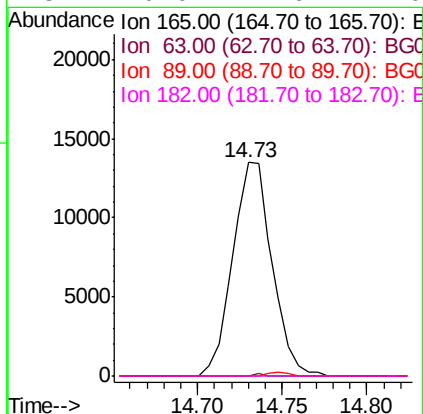
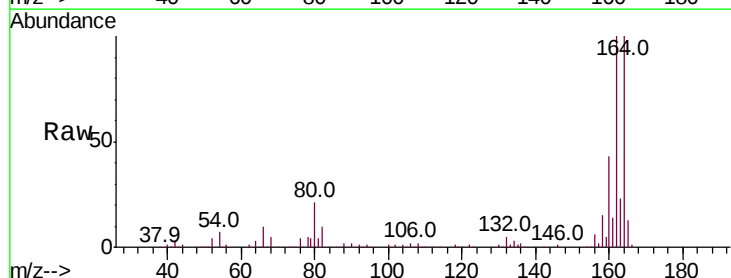
Instrument :
 BNA_G
 ClientSampleId :

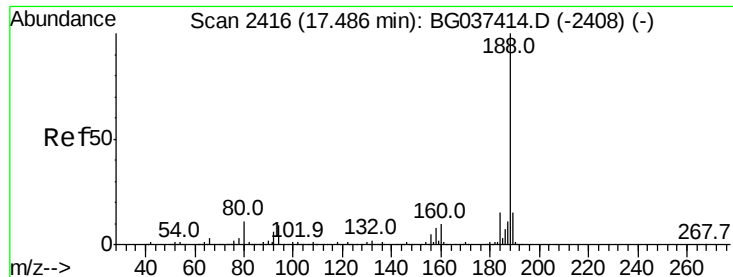
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.896 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037676.D
 Acq: 31 Oct 2018 6:22

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

Instrument :

BNA_G

ClientSampleId :

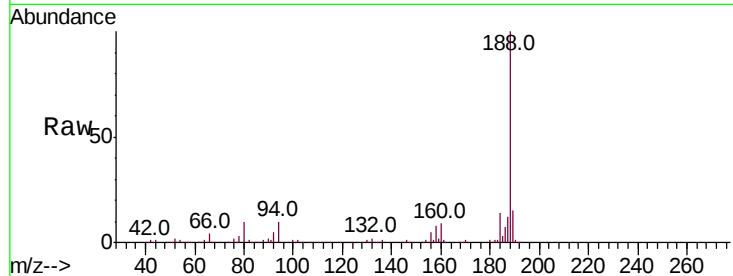
Tot Ion:188 Resp: 383372

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

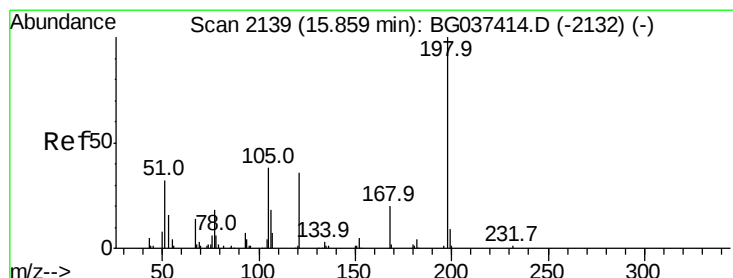
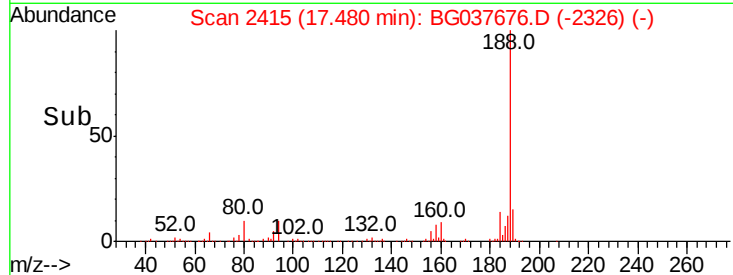
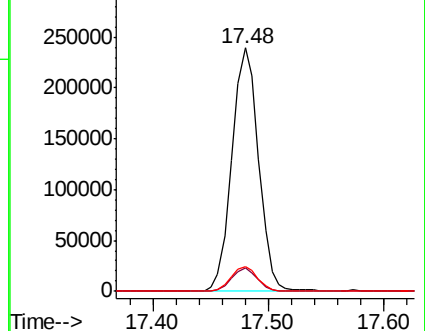
80 10.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.586 ng

RT: 16.21 min Scan# 2199

Delta R.T. 0.35 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

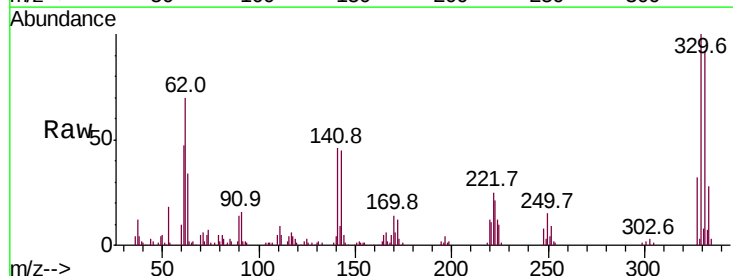
Tgt Ion:198 Resp: 191

Ion Ratio Lower Upper

198 100

51 28.3 22.7 62.7

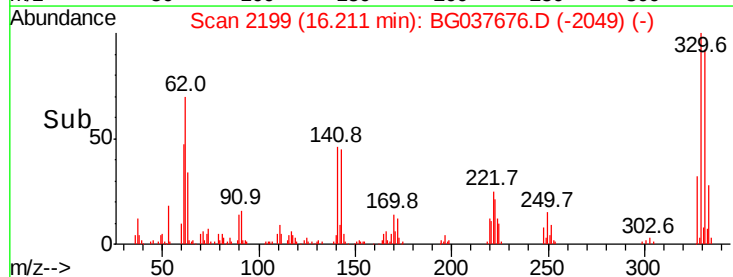
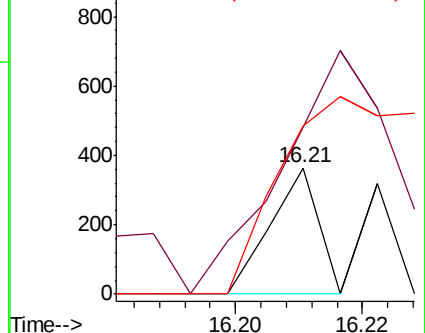
105 28.5 19.7 59.7

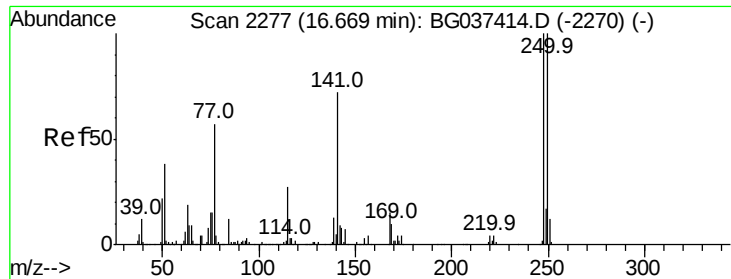


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

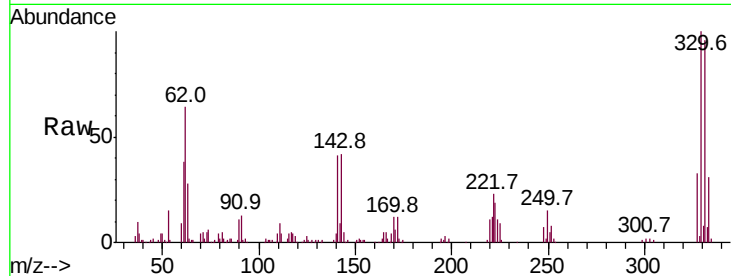




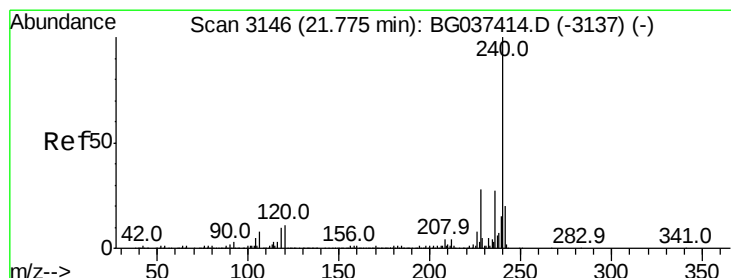
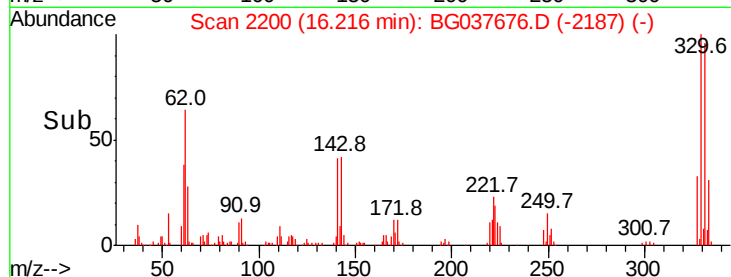
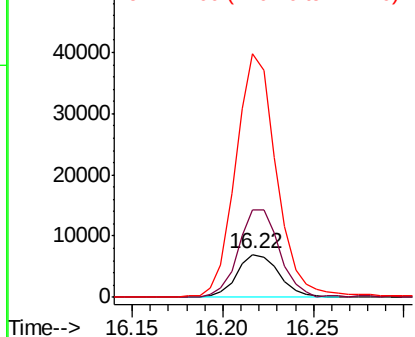
#67
4-Bromophenyl-phenylether
Concen: 2.693 ng
RT: 16.22 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11339
Ion Ratio Lower Upper
248 100
250 220.9 77.0 115.6#
141 455.0 55.5 83.3#

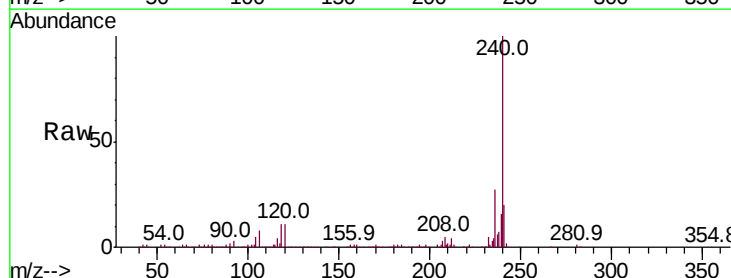


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

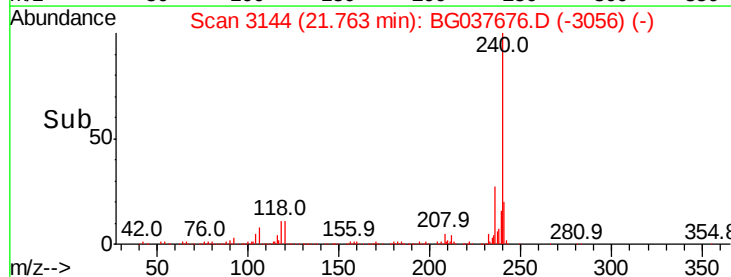
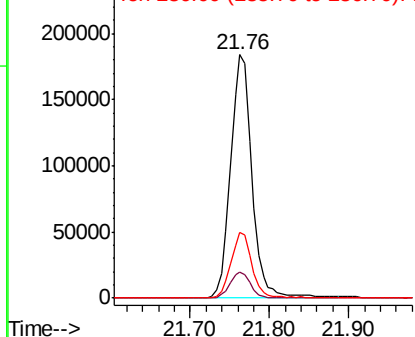


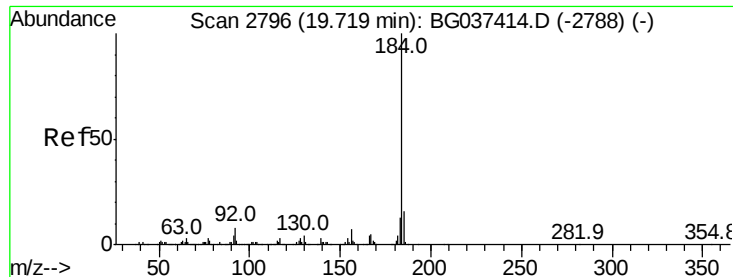
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Tgt Ion:240 Resp: 342879
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 27.0 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: 2.004 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

Instrument :

BNA_G

ClientSampled :

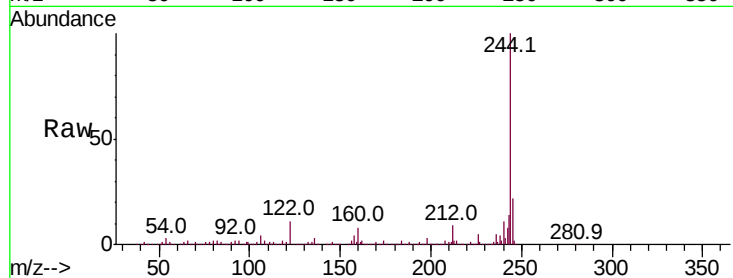
Tot Ion:184 Resp: 23369

Ion Ratio Lower Upper

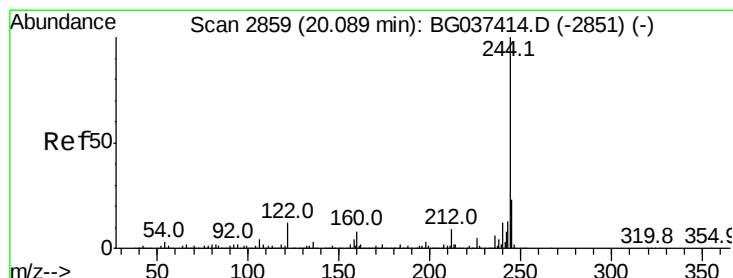
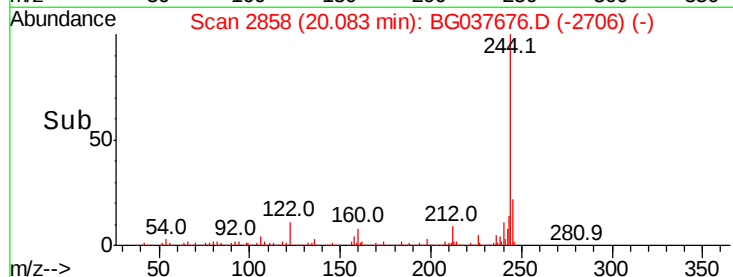
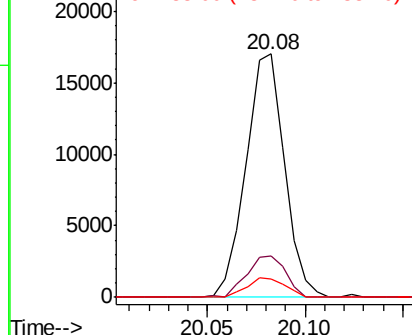
184 100

185 16.8 12.6 18.8

183 7.5 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: 91.579 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037676.D

Acq: 31 Oct 2018 6:22

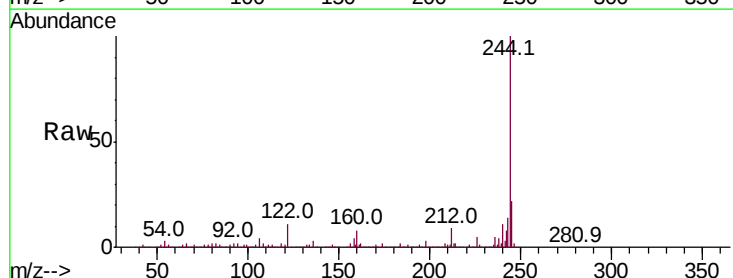
Tgt Ion:244 Resp: 1469542

Ion Ratio Lower Upper

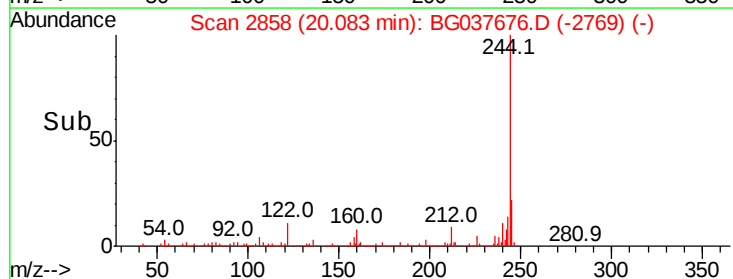
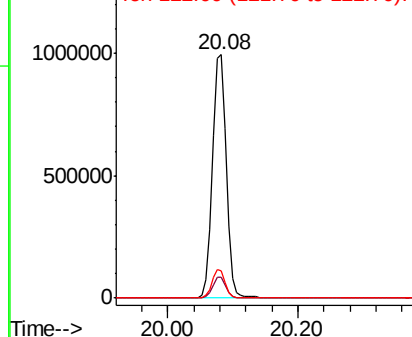
244 100

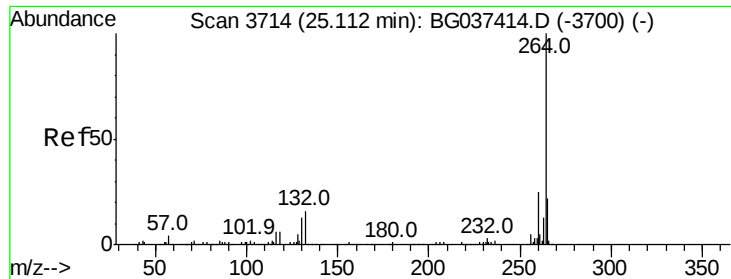
212 8.7 6.5 9.7

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG037676.D
Acq: 31 Oct 2018 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	20.3	17.9	26.9

