

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037673.D
 Acq On : 31 Oct 2018 4:24
 Operator : JU/SJ
 Sample : J5722-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:03 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

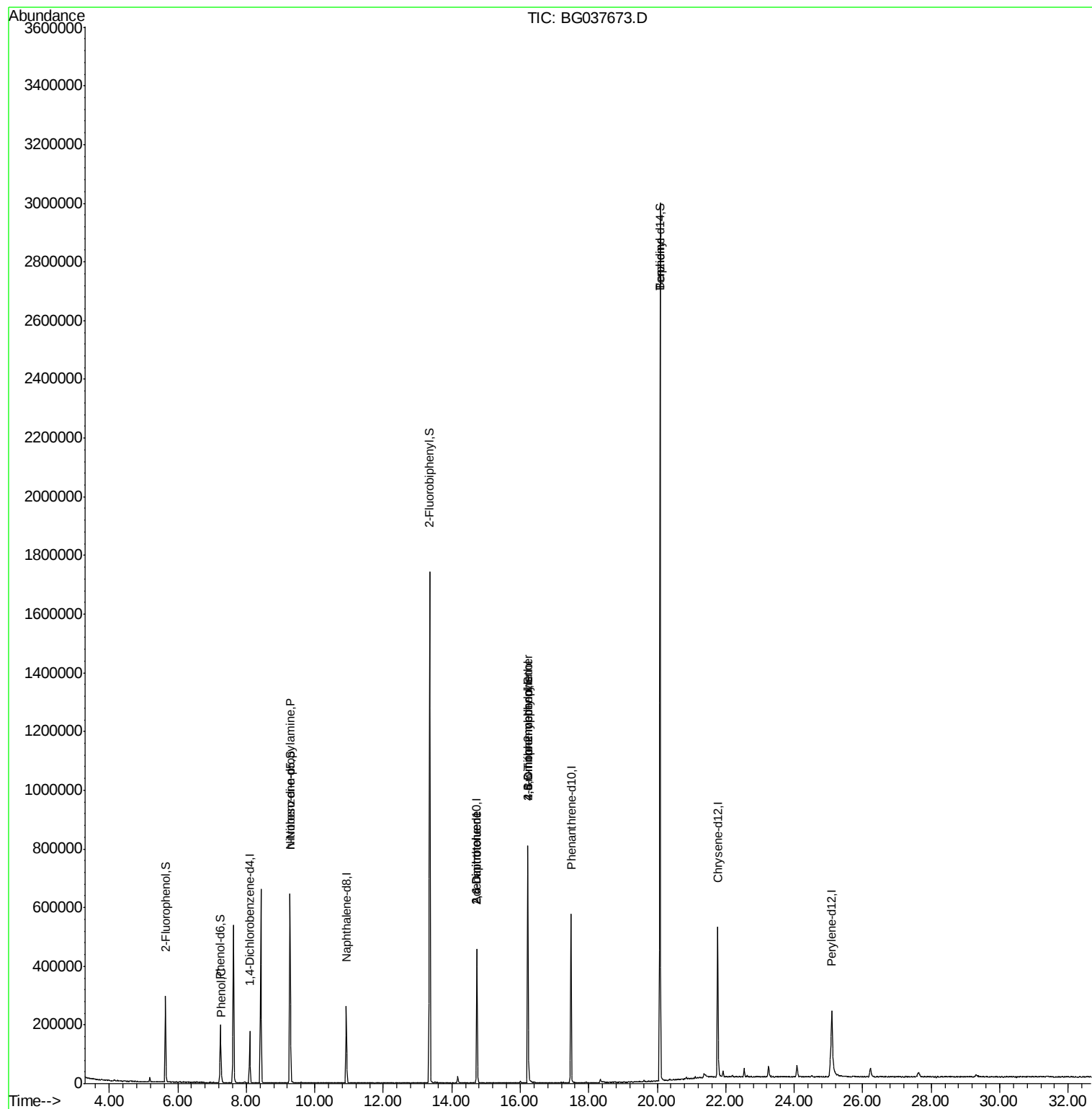
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	52976	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	238520	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	161444	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	374627	20.00	ng	0.00
76) Chrysene-d12	21.77	240	335183	20.00	ng	0.00
87) Perylene-d12	25.09	264	311165	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	139778	44.11	ng	0.00
7) Phenol-d6	7.24	99	128140	26.74	ng	0.00
23) Nitrobenzene-d5	9.28	82	412931	96.98	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	151472	86.02	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	969731	90.58	ng	0.00
79) Terphenyl-d14	20.08	244	1435114	91.49	ng	0.00
Target Compounds						
10) Phenol	7.27	94	29947	5.924	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	51634	15.649	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	21835	7.903	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	21835	6.020	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	423	8.685	ng	88
67) 4-Bromophenyl-phenylether	16.22	248	11094	2.697	ng	# 1
77) Benzidine	20.08	184	24301	2.132	ng	# 91

(#) = 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: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampleId :

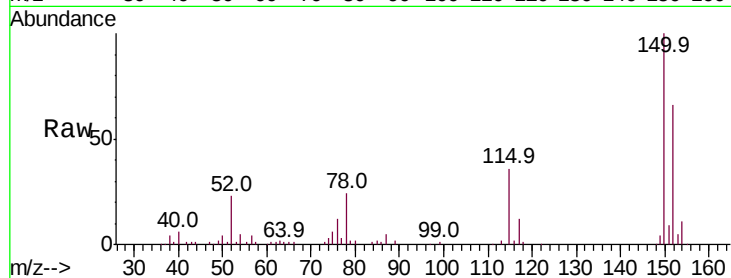
Tot Ion:152 Resp: 52976

Ion Ratio Lower Upper

152 100

150 150.7 126.0 189.0

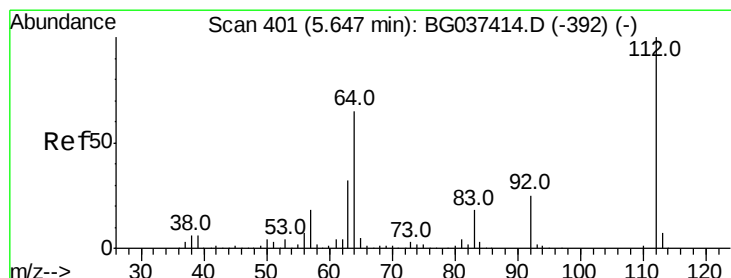
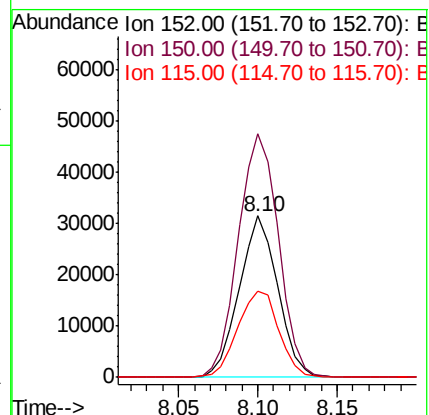
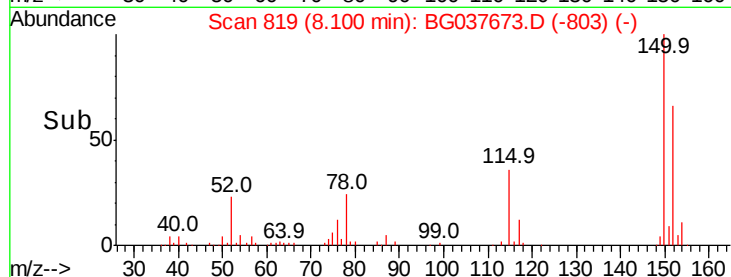
115 53.6 45.5 68.3



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: 44.112 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

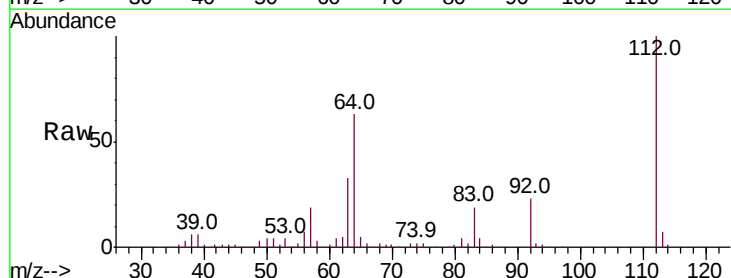
Tgt Ion:112 Resp: 139778

Ion Ratio Lower Upper

112 100

64 63.5 53.1 79.7

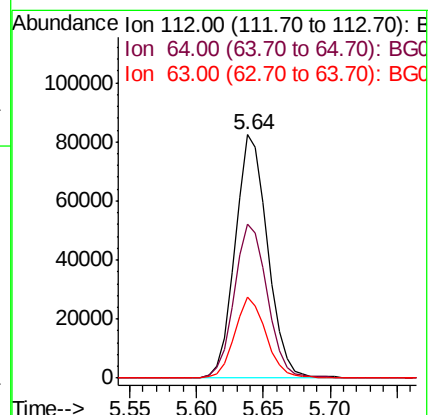
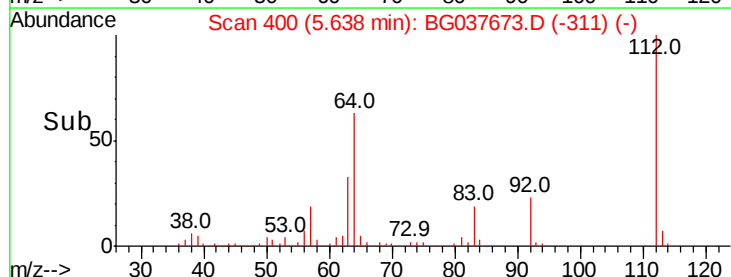
63 33.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 26.743 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampleId :

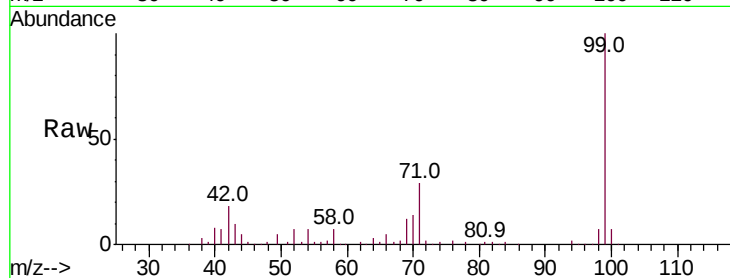
Tot Ion: 99 Resp: 128140

Ion Ratio Lower Upper

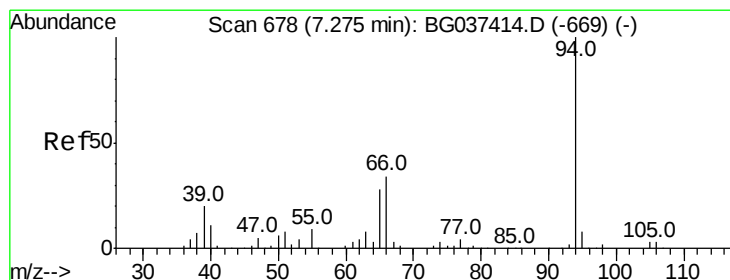
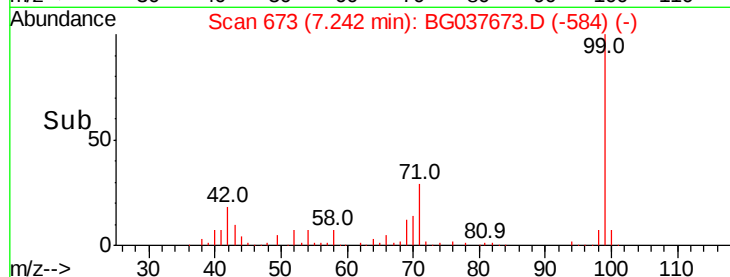
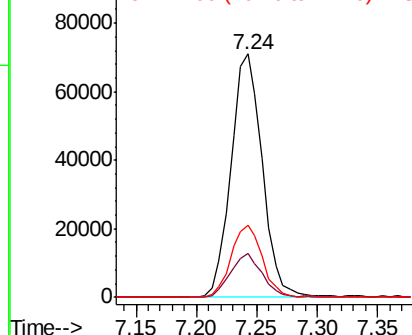
99 100

42 17.9 15.0 22.4

71 29.5 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: 5.924 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

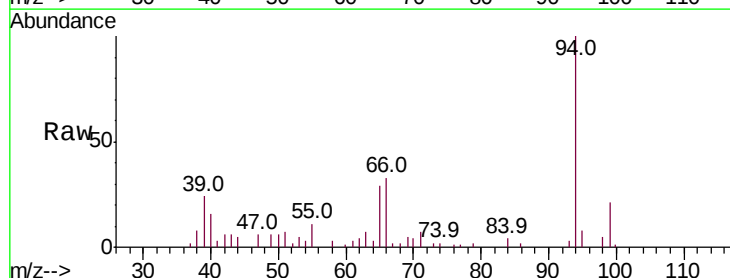
Tgt Ion: 94 Resp: 29947

Ion Ratio Lower Upper

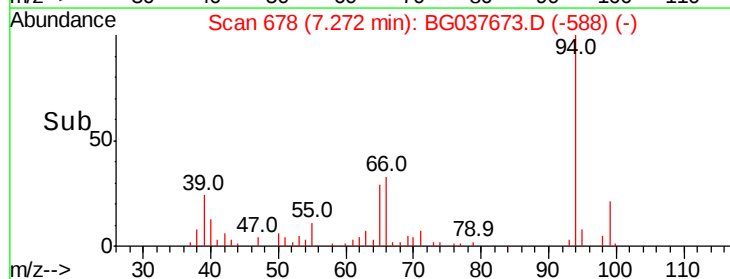
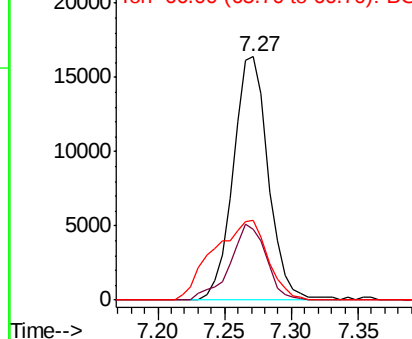
94 100

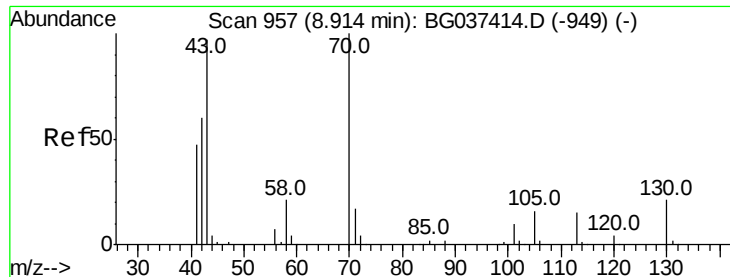
65 29.1 9.7 49.7

66 32.9 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: 15.649 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 51634

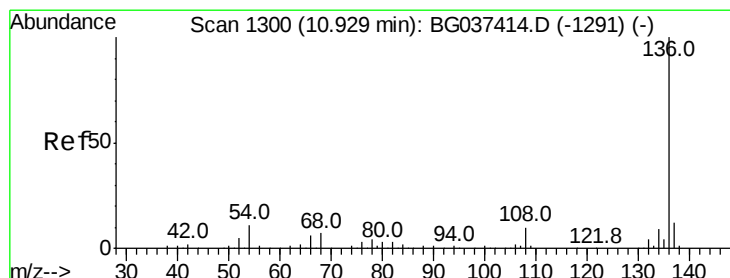
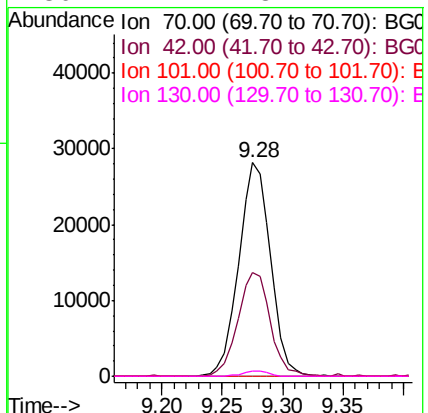
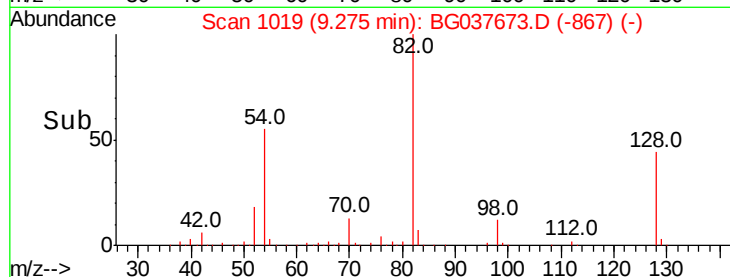
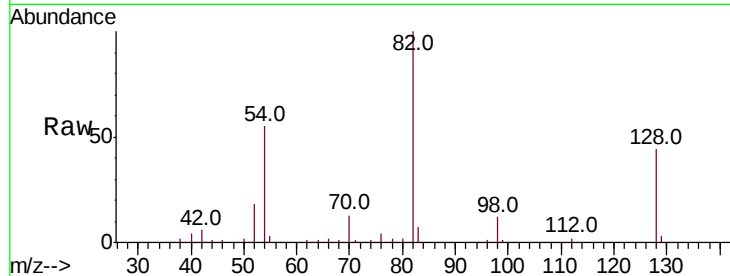
Ion Ratio Lower Upper

70 100

42 48.7 53.9 80.9#

101 0.0 8.2 12.2#

130 2.7 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

Tgt Ion: 136 Resp: 238520

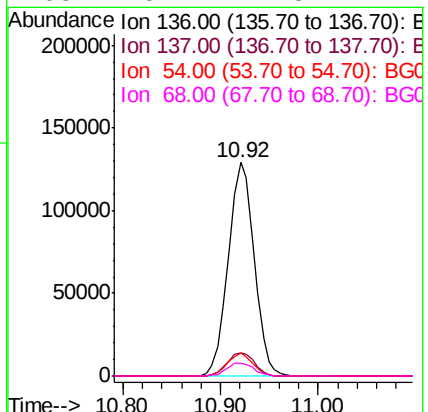
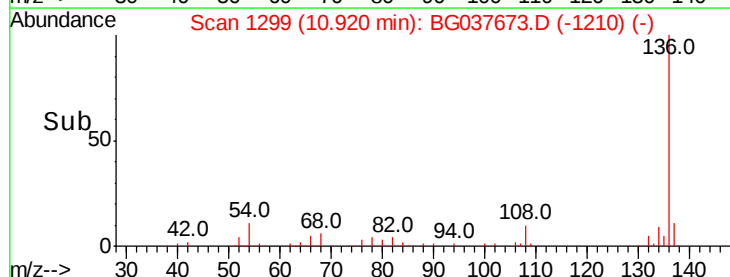
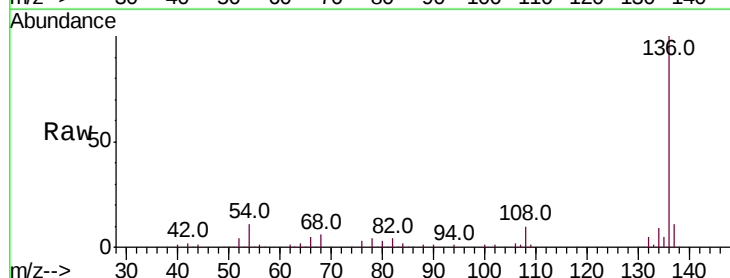
Ion Ratio Lower Upper

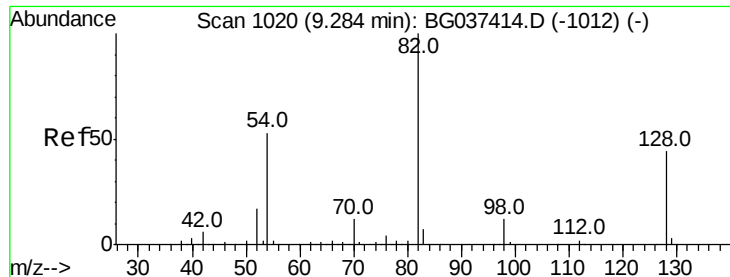
136 100

137 10.5 9.6 14.4

54 10.6 7.9 11.9

68 6.1 4.8 7.2

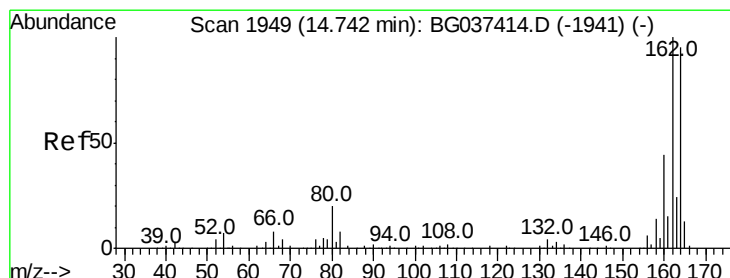
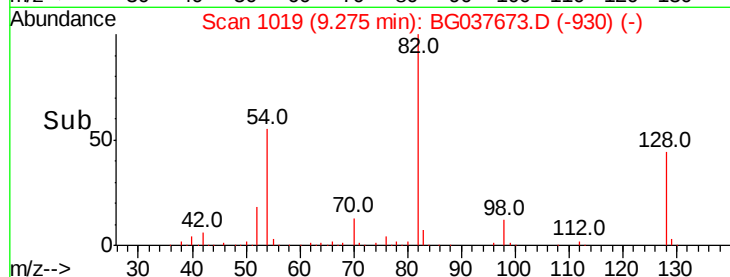
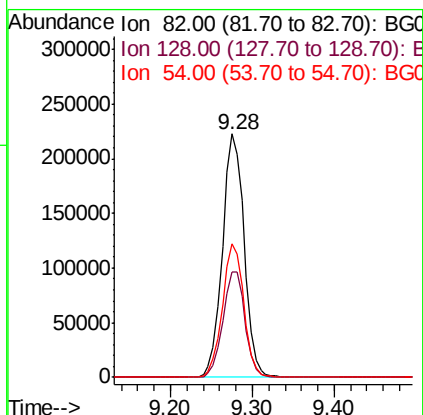
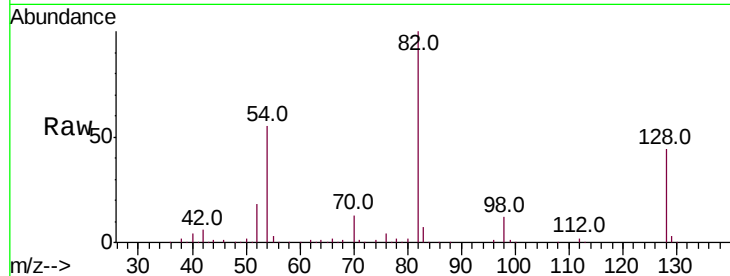




#23
Nitrobenzene-d5
Concen: 96.981 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037673.D
Acq: 31 Oct 2018 4:24

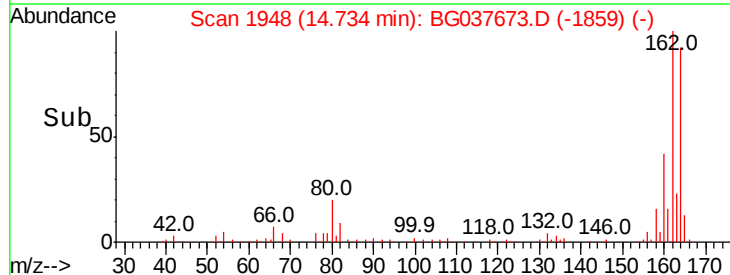
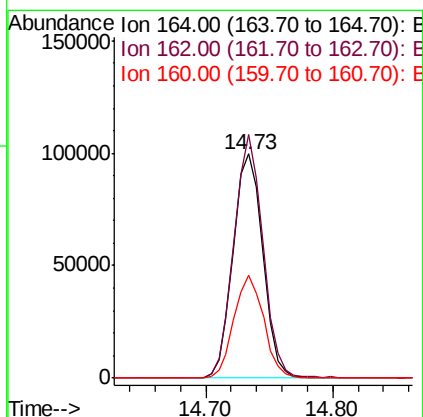
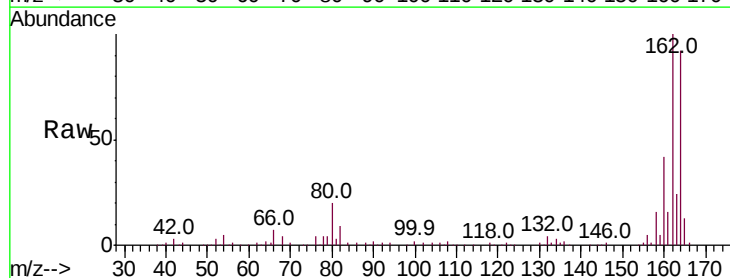
Instrument :
BNA_G
ClientSampled :

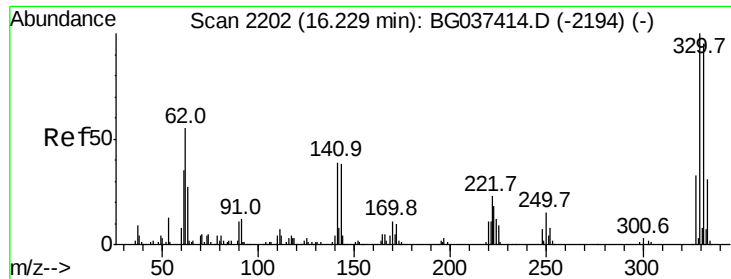
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	51.8
54	54.9	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037673.D
Acq: 31 Oct 2018 4:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.6	81.3	121.9
160	45.8	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 86.022 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampleId :

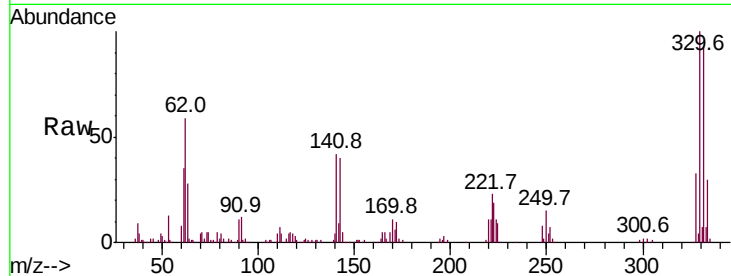
Tot Ion:330 Resp: 151472

Ion Ratio Lower Upper

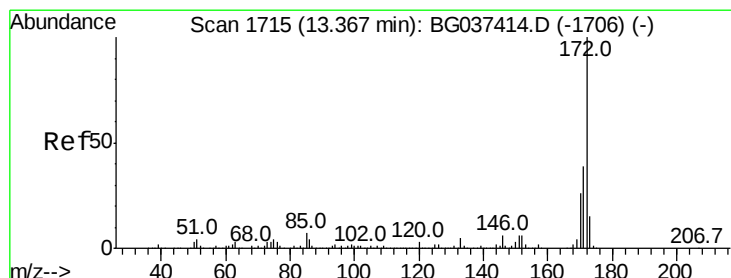
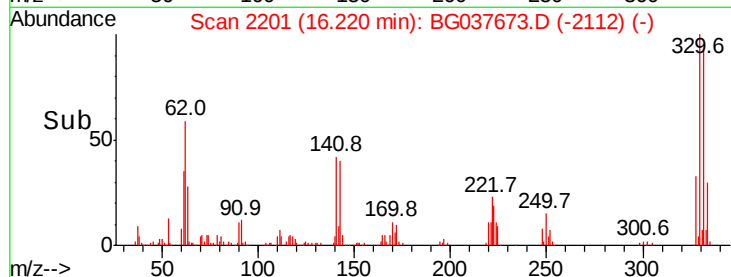
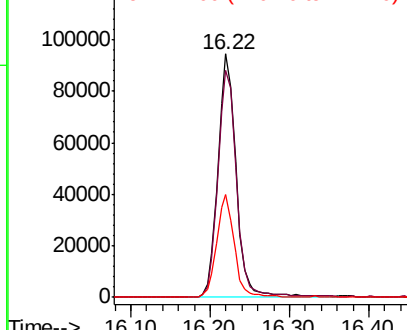
330 100

332 95.9 78.4 117.6

141 40.6 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: 90.576 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

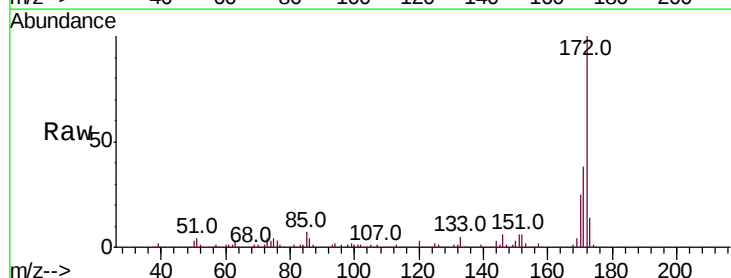
Tgt Ion:172 Resp: 969731

Ion Ratio Lower Upper

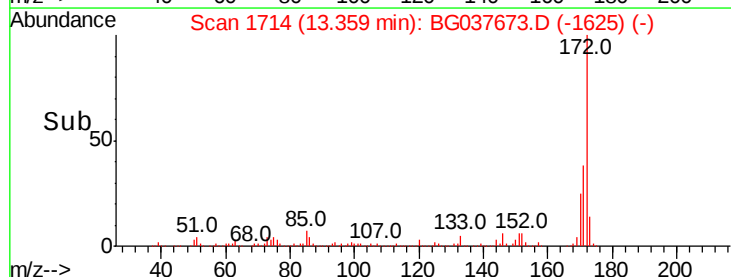
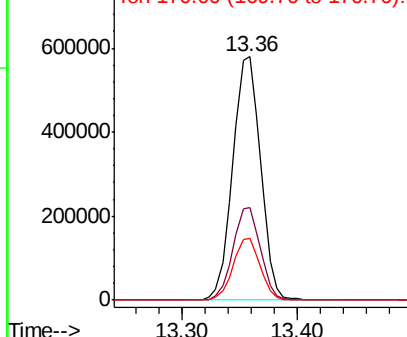
172 100

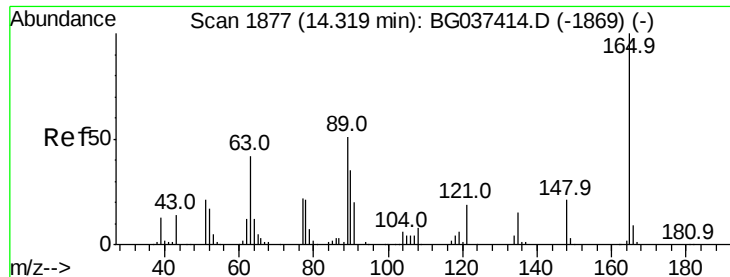
171 37.9 31.0 46.4

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

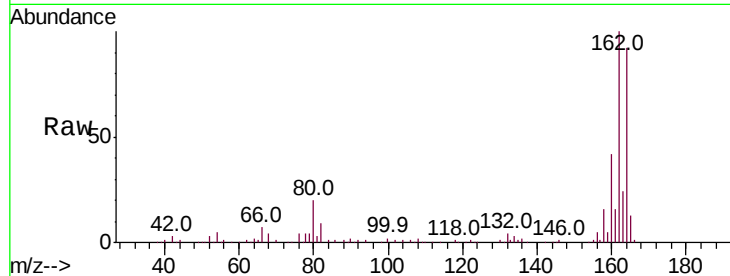




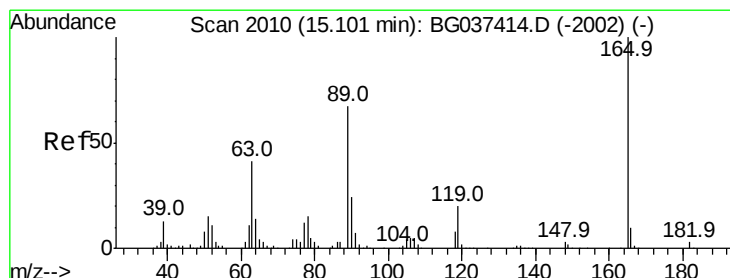
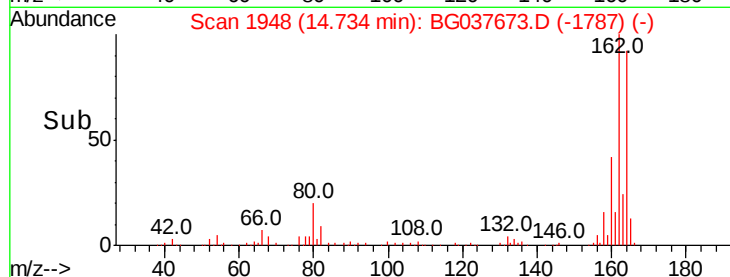
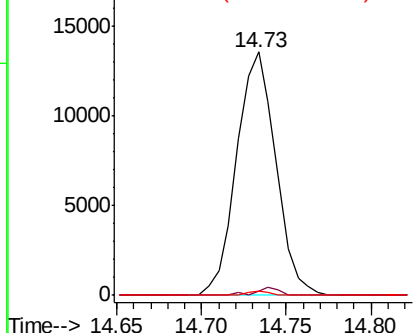
#51
 2,6-Dinitrotoluene
 Concen: 7.903 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037673.D
 Acq: 31 Oct 2018 4:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	1.6	45.8	68.6#



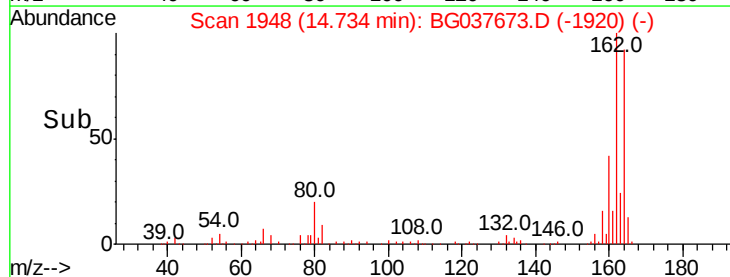
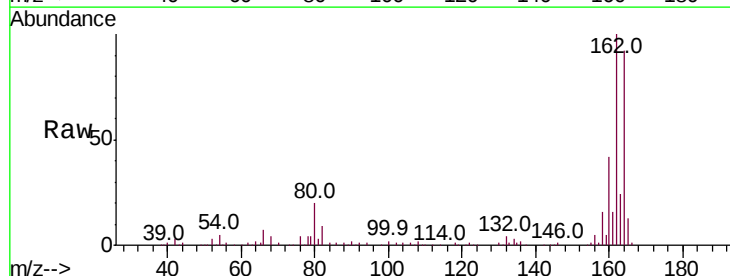
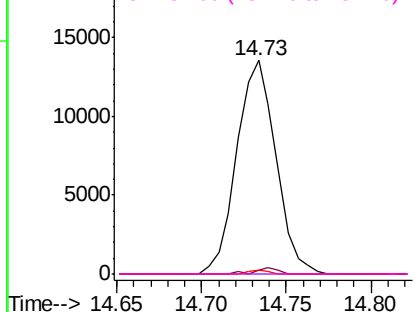
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

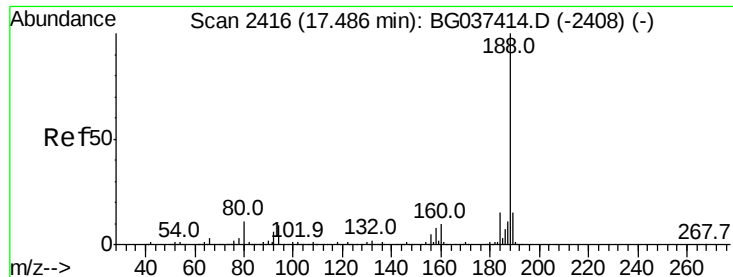


#57
 2,4-Dinitrotoluene
 Concen: 6.020 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037673.D
 Acq: 31 Oct 2018 4:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.4	50.0#
89	1.6	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: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampleId :

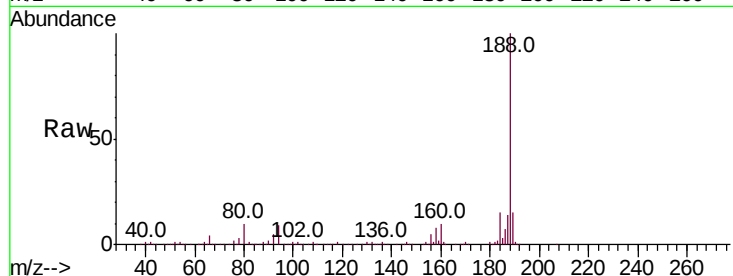
Tot Ion:188 Resp: 374627

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

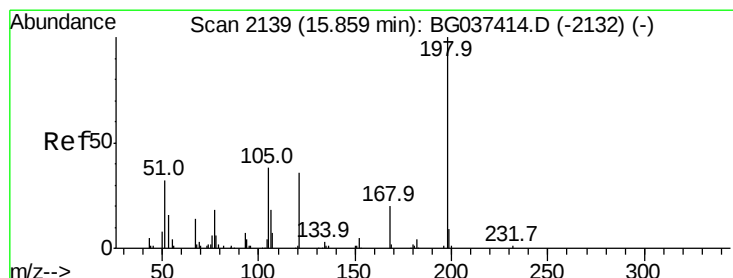
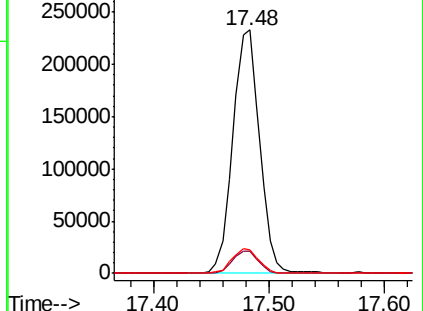
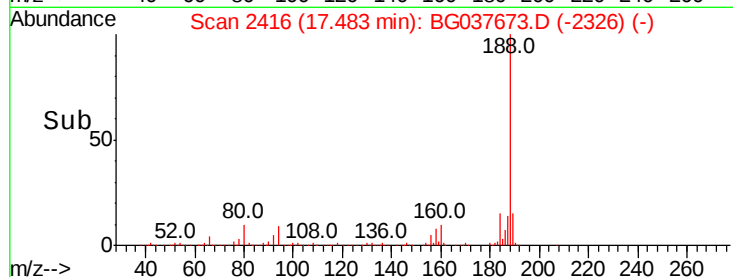
80 9.6 7.7 11.5



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: 8.685 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

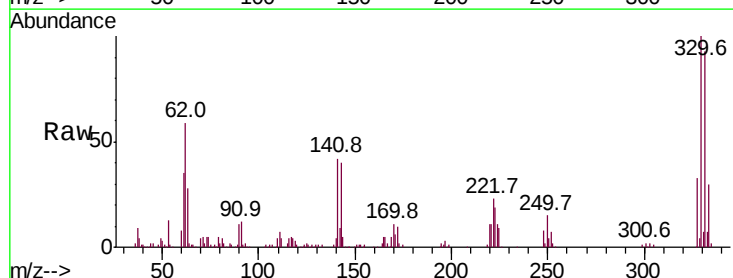
Tgt Ion:198 Resp: 423

Ion Ratio Lower Upper

198 100

51 45.7 22.7 62.7

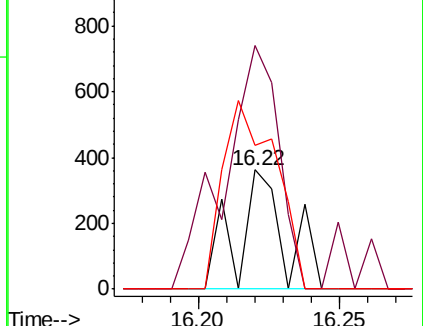
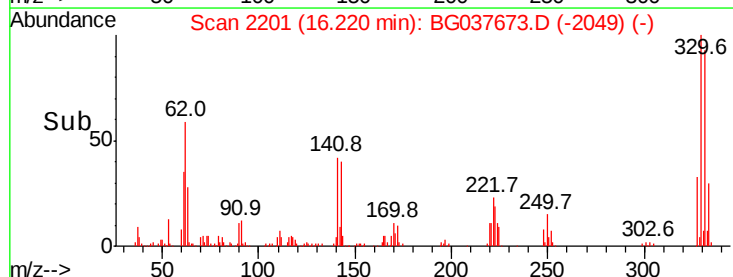
105 26.9 19.7 59.7

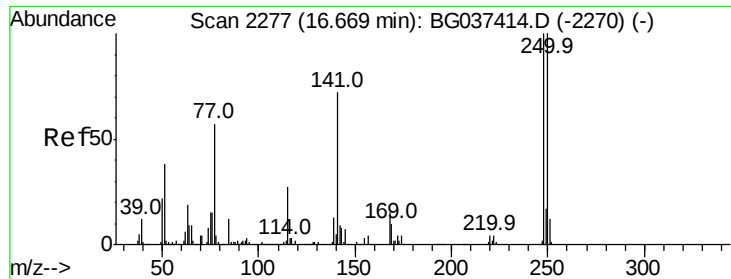


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

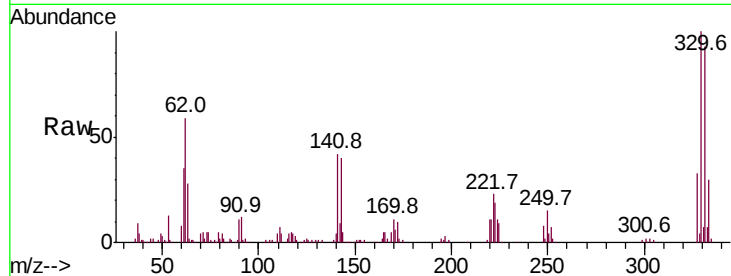




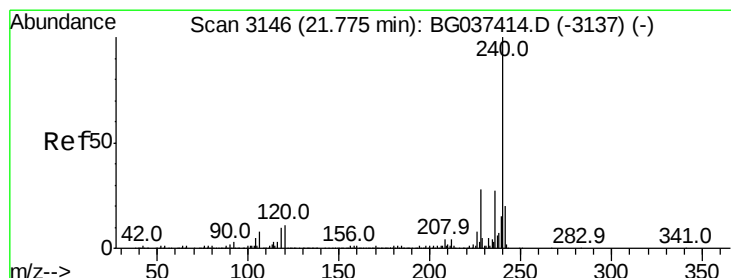
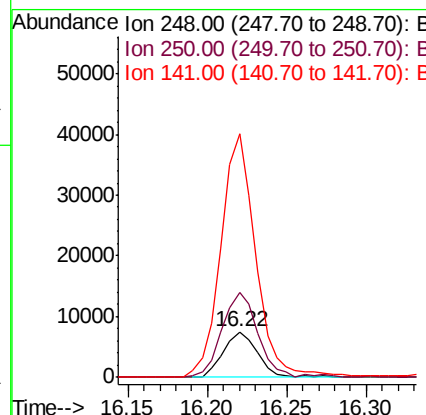
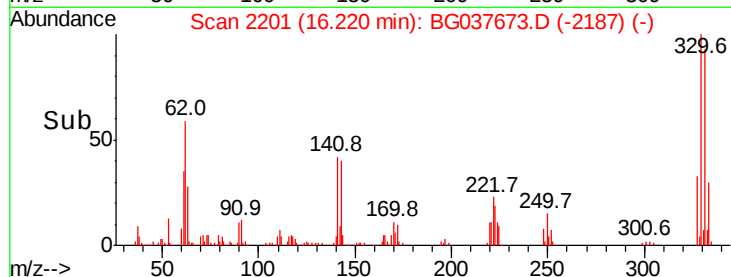
#67
 4-Bromophenyl-phenylether
 Concen: 2.697 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037673.D
 Acq: 31 Oct 2018 4:24

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11094
 Ion Ratio Lower Upper
 248 100
 250 190.5 77.0 115.6#
 141 427.5 55.5 83.3#

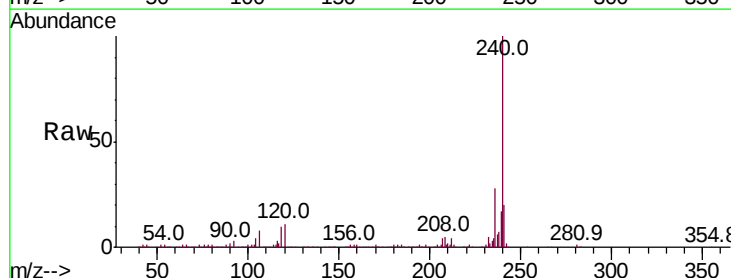


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

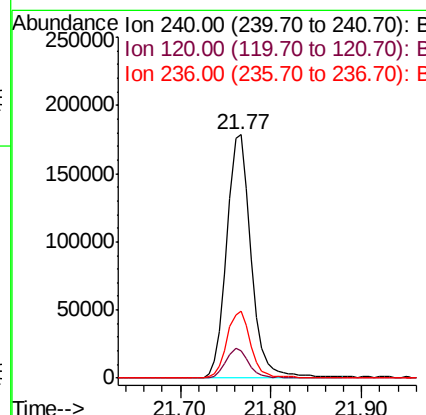
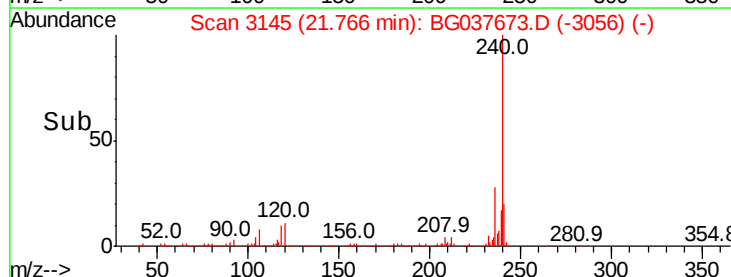


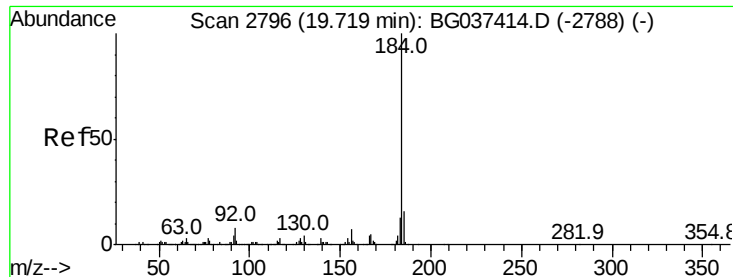
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037673.D
 Acq: 31 Oct 2018 4:24

Tgt Ion:240 Resp: 335183
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.1 12.1
 236 27.5 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





#77

Benzidine

Concen: 2.132 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

Instrument :

BNA_G

ClientSampled :

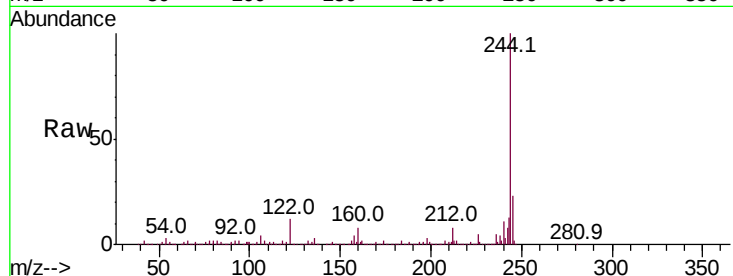
Tot Ion:184 Resp: 24301

Ion Ratio Lower Upper

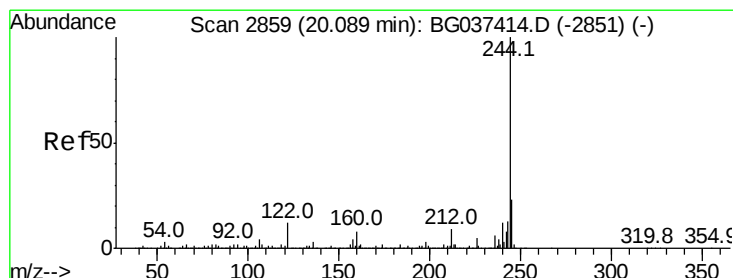
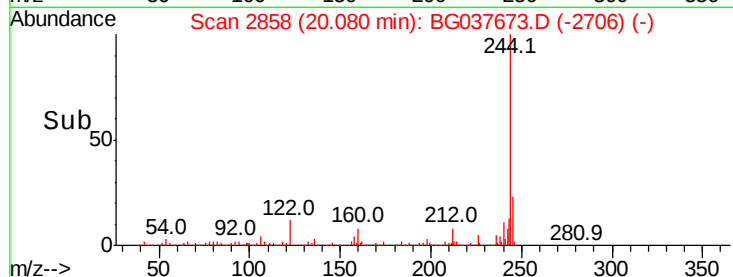
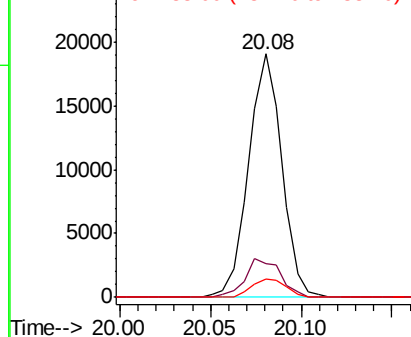
184 100

185 13.8 12.6 18.8

183 7.4 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: 91.487 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037673.D

Acq: 31 Oct 2018 4:24

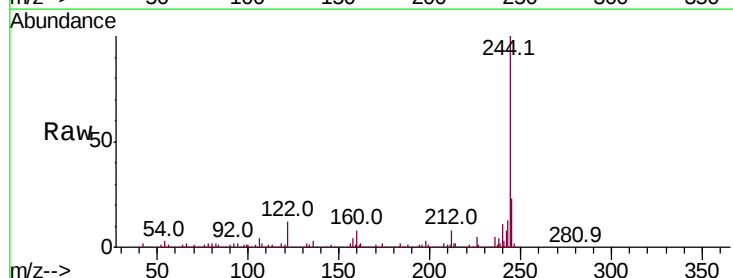
Tgt Ion:244 Resp: 1435114

Ion Ratio Lower Upper

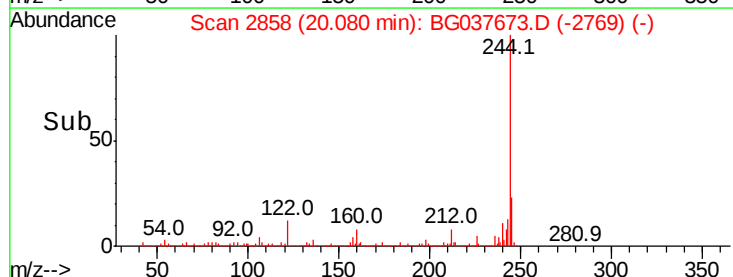
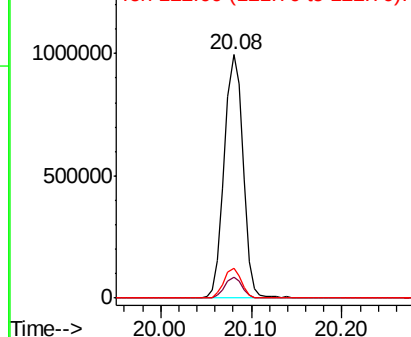
244 100

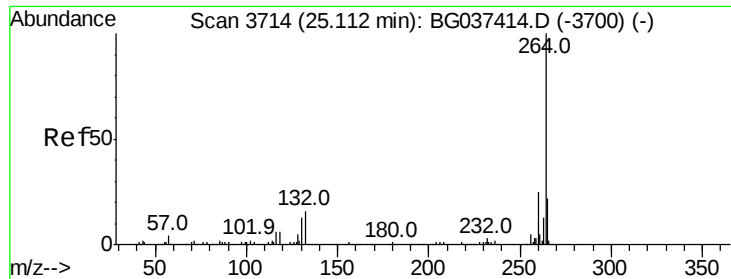
212 8.5 6.5 9.7

122 12.2 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: 25.09 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG037673.D
Acq: 31 Oct 2018 4:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.4	17.9	26.9

