

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112818\
 Data File : BG038226.D
 Acq On : 29 Nov 2018 9:11
 Operator : JU/SJ
 Sample : J6069-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 29 10:20:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

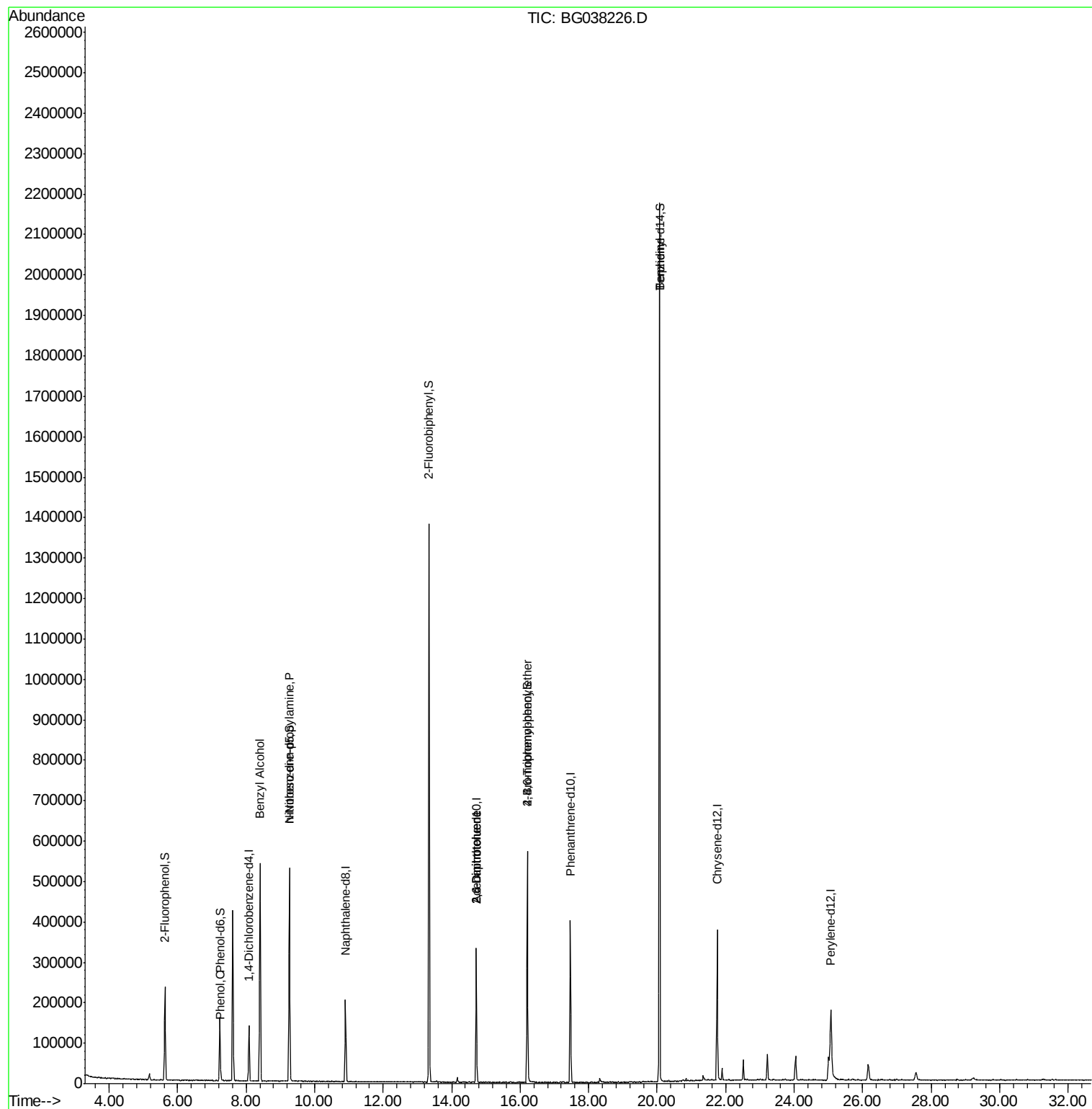
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	39585	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	181200	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	115315	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	254944	20.00	ng	0.00
76) Chrysene-d12	21.75	240	244217	20.00	ng	0.00
87) Perylene-d12	25.07	264	232714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	105974	46.22	ng	0.00
7) Phenol-d6	7.23	99	94308	28.82	ng	0.00
23) Nitrobenzene-d5	9.26	82	333265	98.45	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	108849	82.77	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	740769	93.59	ng	0.00
79) Terphenyl-d14	20.07	244	1073515	103.43	ng	0.00
Target Compounds						
10) Phenol	7.26	94	8644	2.494	ng	90
15) Benzyl Alcohol	8.40	79	5027	2.123	ng	# 55
19) n-Nitroso-di-n-propylamine	9.26	70	41572	17.555	ng	# 80
51) 2,6-Dinitrotoluene	14.72	165	15465	7.474	ng	# 27
57) 2,4-Dinitrotoluene	14.72	165	15465	5.494	ng	# 26
67) 4-Bromophenyl-phenylether	16.20	248	7498	2.680	ng	# 1
77) Benzidine	20.06	184	19517	2.278	ng	# 92

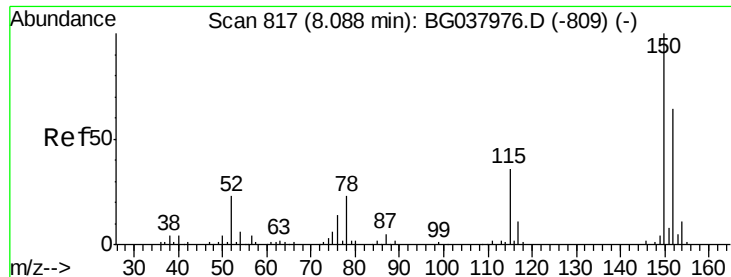
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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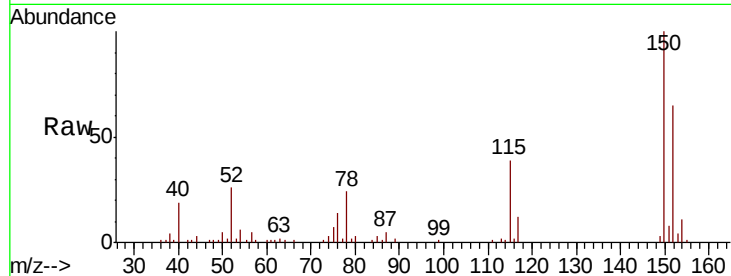


#1

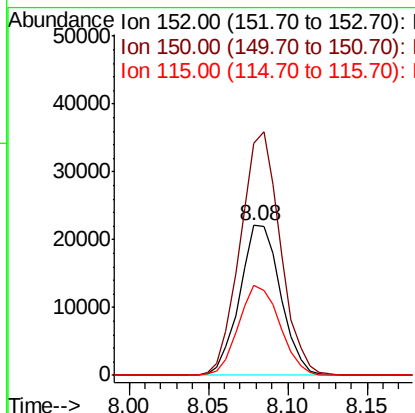
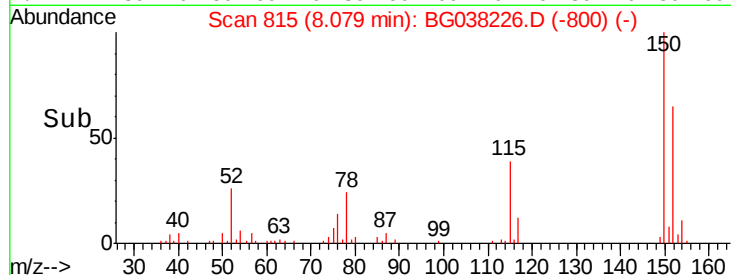
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 39585
Ion Ratio Lower Upper
152 100
150 154.6 126.0 189.0
115 60.3 45.5 68.3



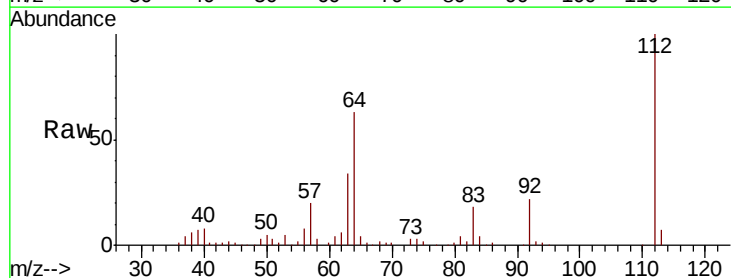
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



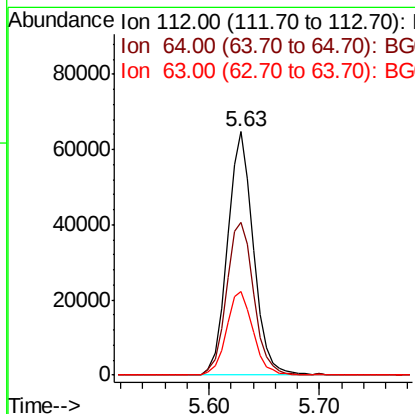
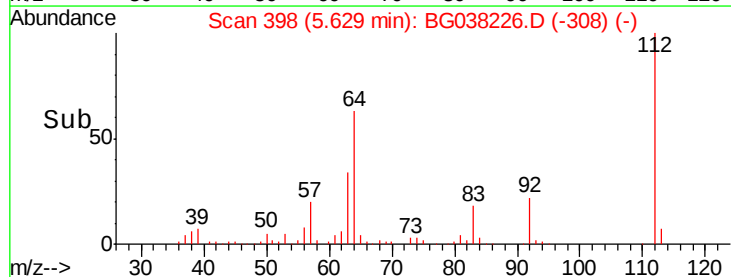
#5

2-Fluorophenol
Concen: 46.222 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

Tgt Ion:112 Resp: 105974
Ion Ratio Lower Upper
112 100
64 62.9 53.1 79.7
63 34.2 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: 28.817 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

Instrument :

BNA_G

ClientSampleId :

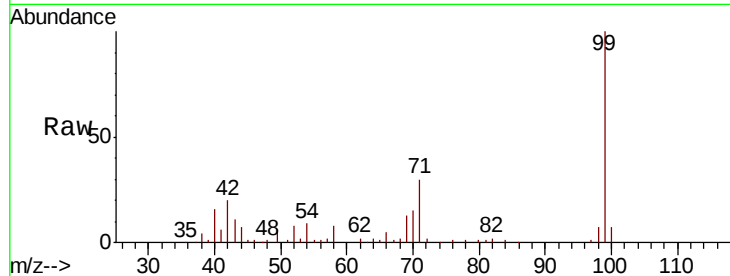
Tot Ion: 99 Resp: 94308

Ion Ratio Lower Upper

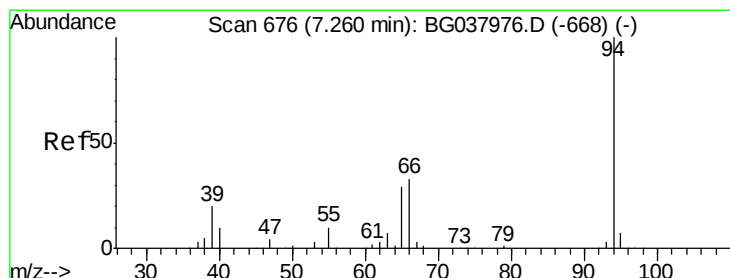
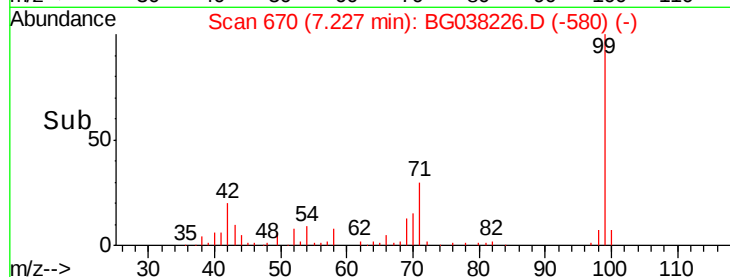
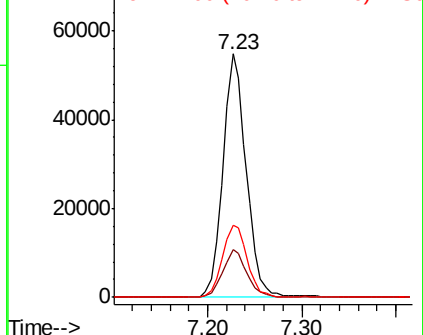
99 100

42 19.5 15.0 22.4

71 29.6 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: 2.494 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

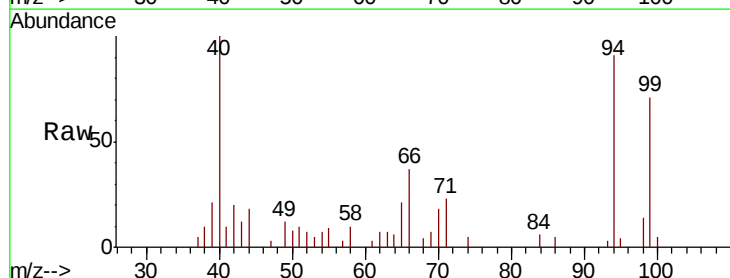
Tgt Ion: 94 Resp: 8644

Ion Ratio Lower Upper

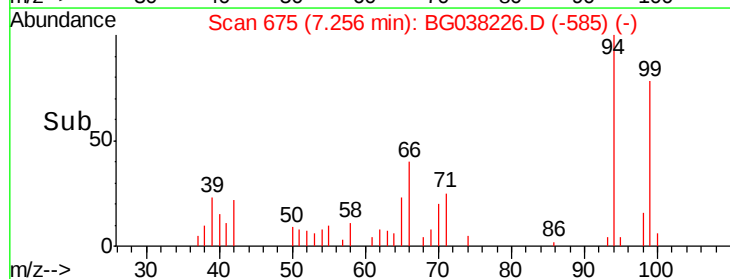
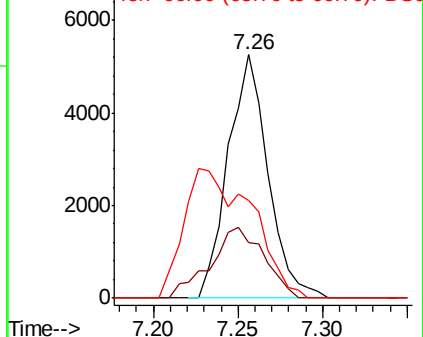
94 100

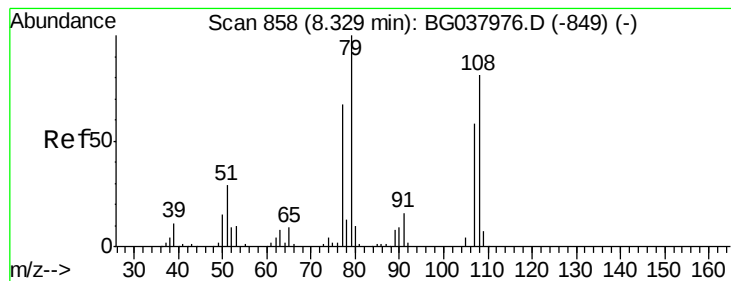
65 22.7 9.7 49.7

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





#15

Benzyl Alcohol

Concen: 2.123 ng

RT: 8.40 min Scan# 870

Delta R.T. 0.07 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

Instrument :

BNA_G

ClientSampleId :

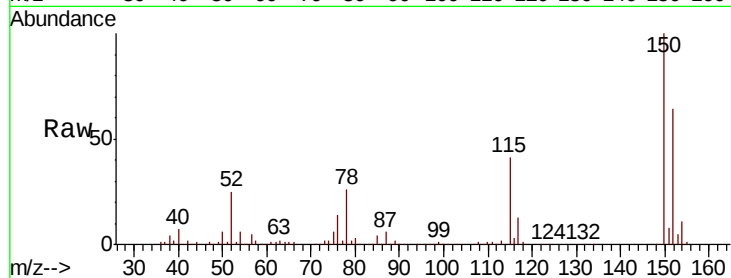
Tot Ion: 79 Resp: 5027

Ion Ratio Lower Upper

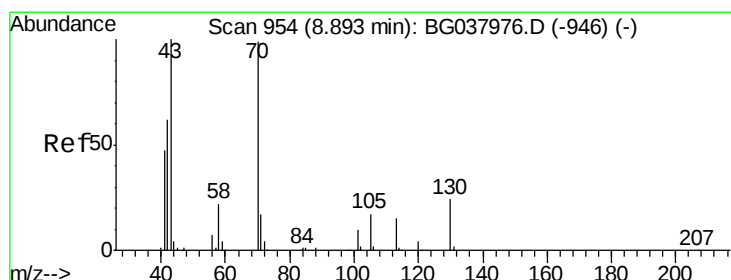
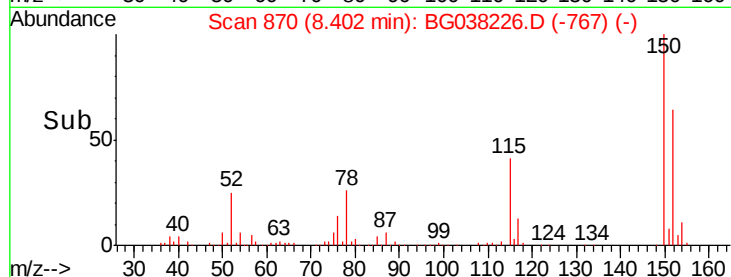
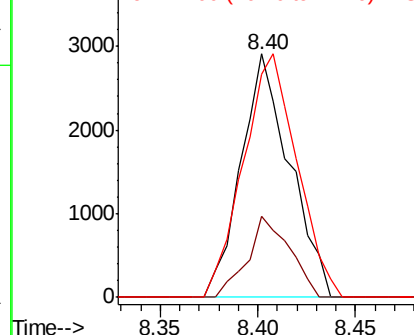
79 100

108 33.4 65.8 98.8#

77 91.6 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.555 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

Tgt Ion: 70 Resp: 41572

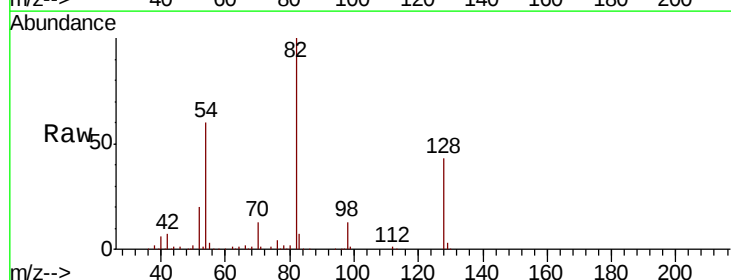
Ion Ratio Lower Upper

70 100

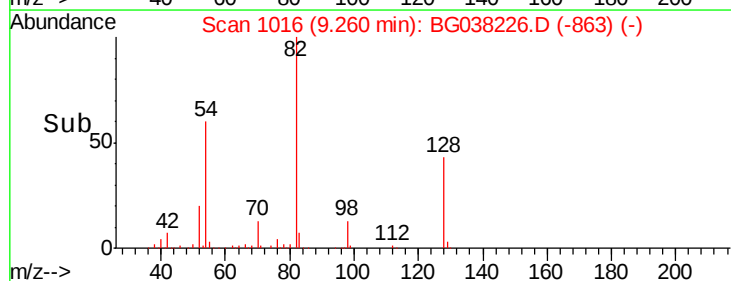
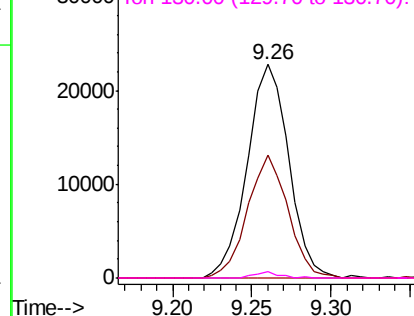
42 57.6 53.9 80.9

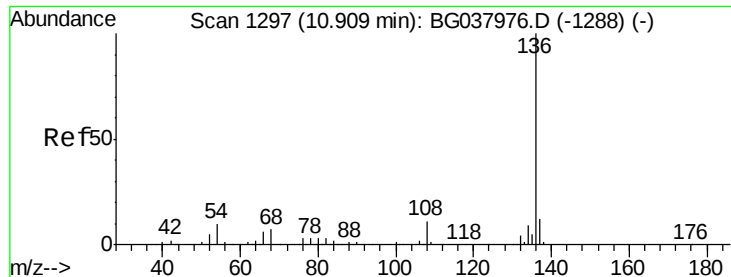
101 0.0 8.2 12.2#

130 2.9 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

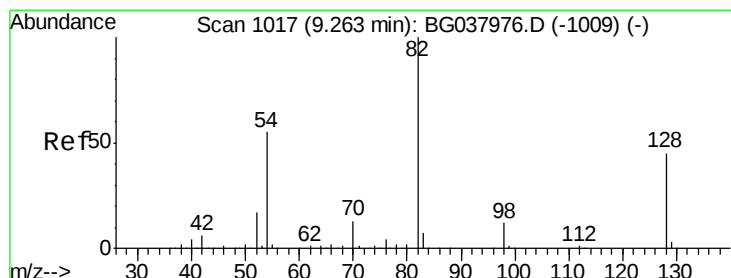
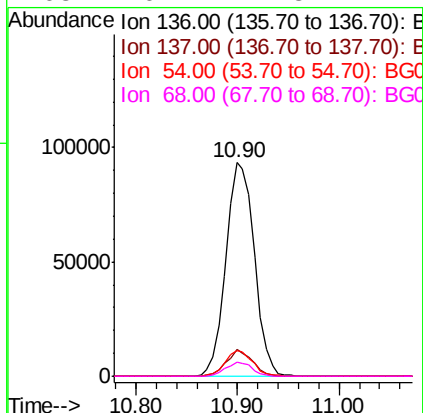
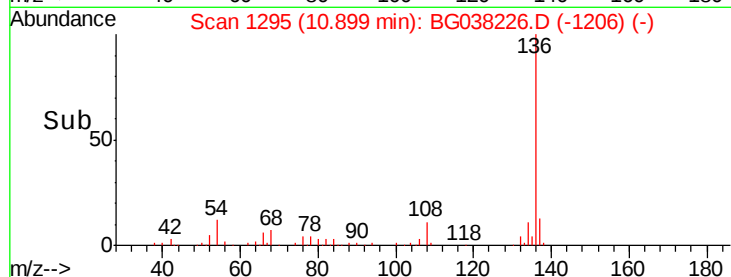
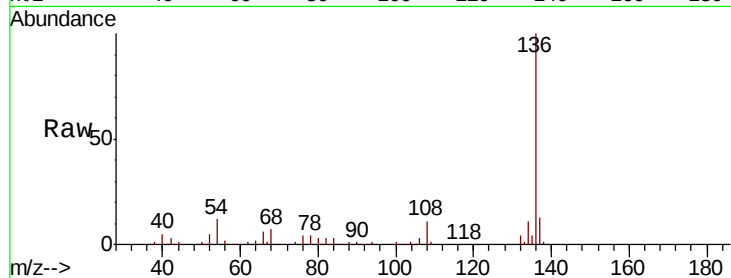




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

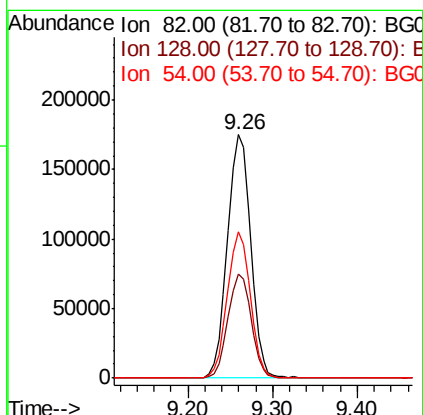
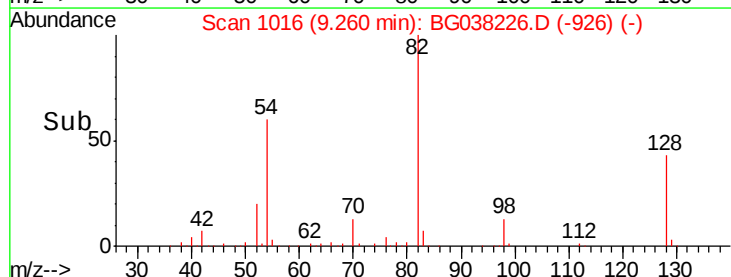
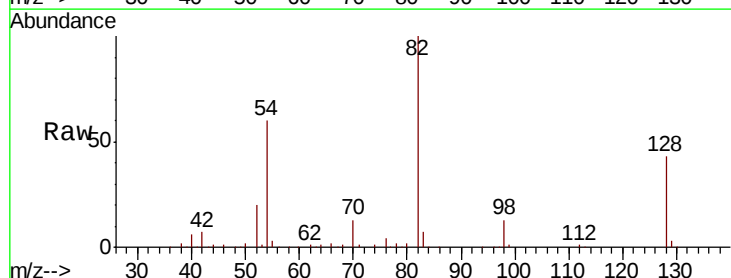
Instrument :
BNA_G
ClientSampled :

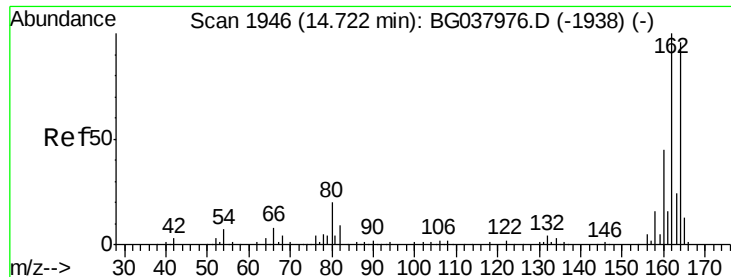
Tot Ion:136	Resp:	181200
Ion Ratio	Lower	Upper
136	100	
137	12.8	9.6 14.4
54	12.0	7.9 11.9#
68	6.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 98.454 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

Tgt Ion: 82	Resp:	333265
Ion Ratio	Lower	Upper
82	100	
128	42.9	34.6 51.8
54	60.0	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

Instrument :

BNA_G

ClientSampleId :

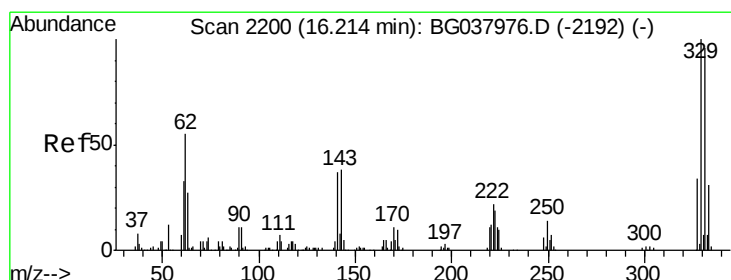
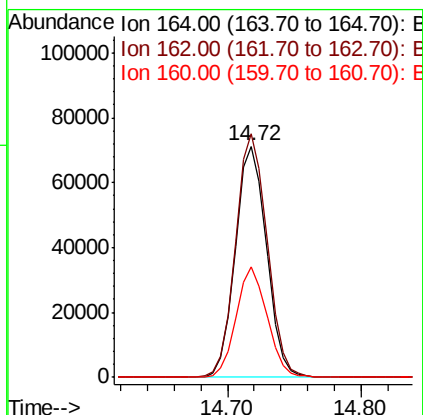
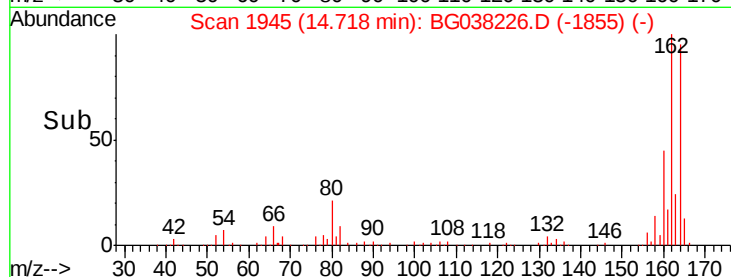
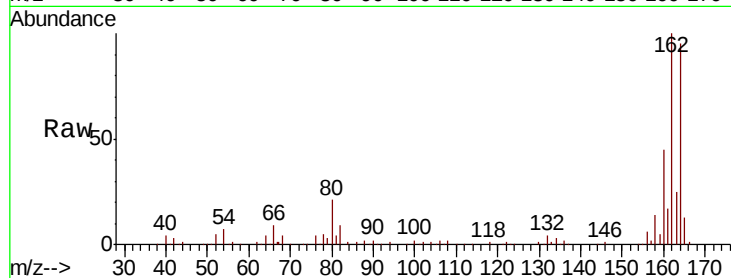
Tot Ion:164 Resp: 115315

Ion Ratio Lower Upper

164 100

162 105.3 81.3 121.9

160 47.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 82.766 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038226.D

Acq: 29 Nov 2018 9:11

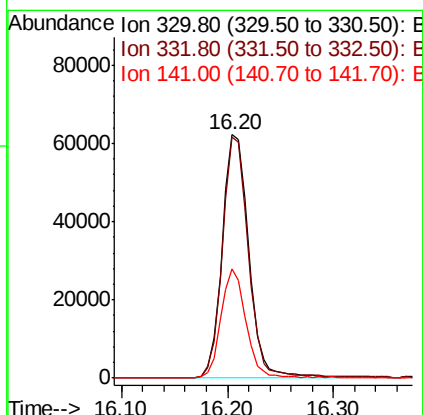
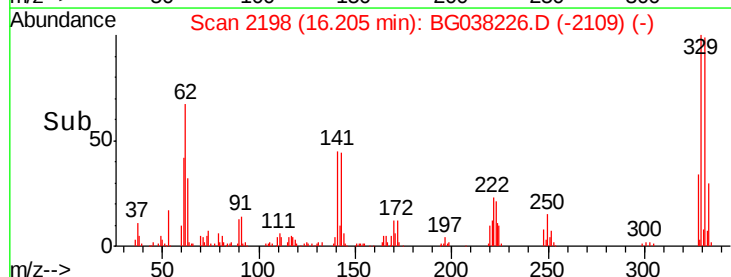
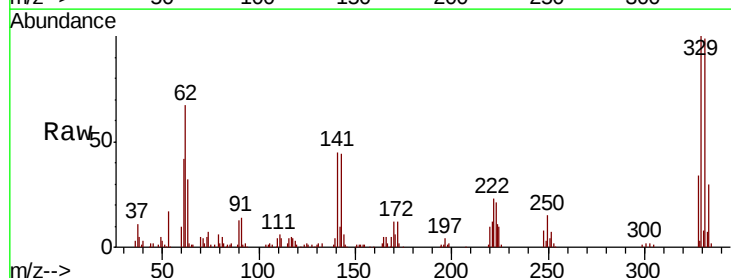
Tgt Ion:330 Resp: 108849

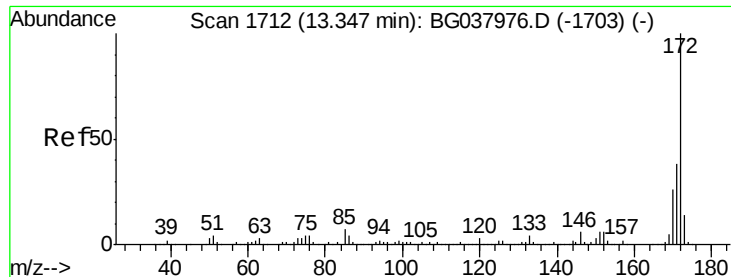
Ion Ratio Lower Upper

330 100

332 96.9 78.4 117.6

141 42.1 32.2 48.2

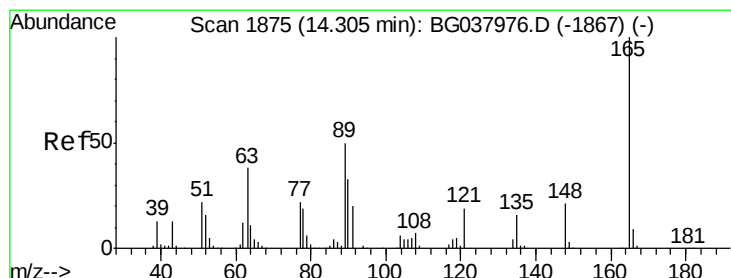
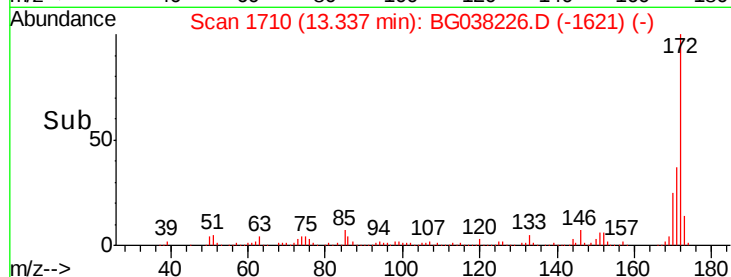
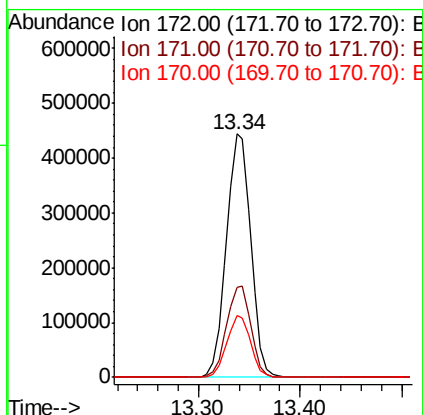
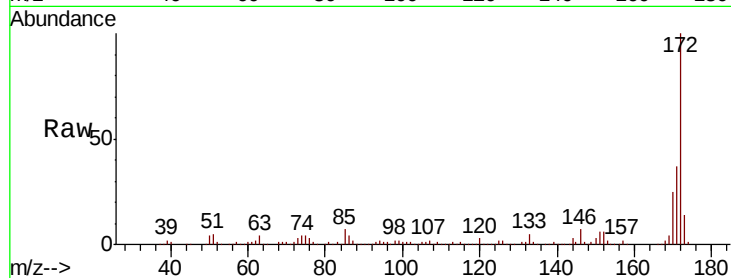




#45
 2-Fluorobiphenyl
 Concen: 93.586 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

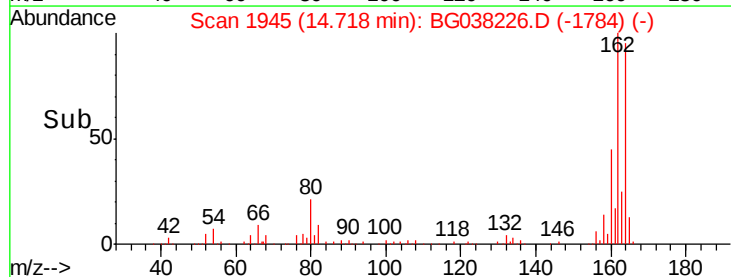
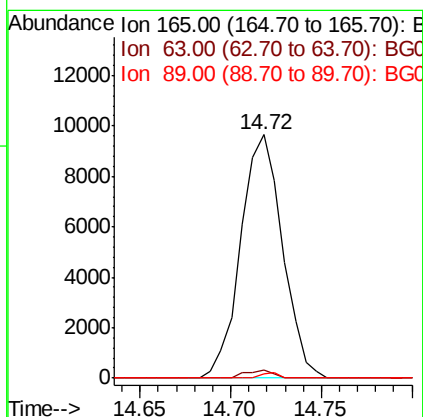
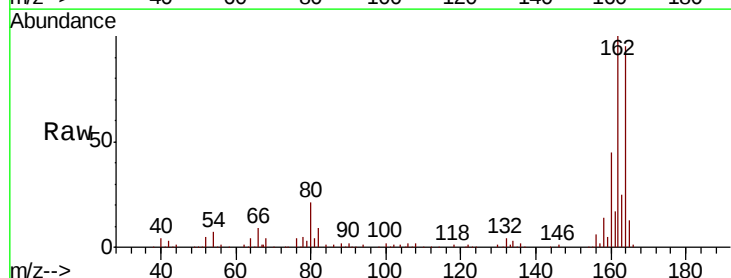
Instrument :
 BNA_G
 ClientSampleId :

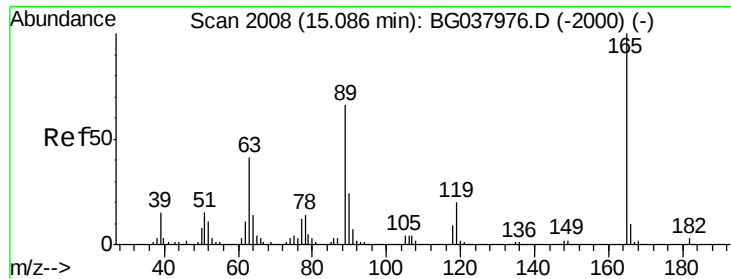
Tot Ion	172	Resp	740769
Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	25.2	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.474 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

Tgt Ion	165	Resp	15465
Ion	Ratio	Lower	Upper
165	100		
63	3.2	43.4	65.2#
89	1.9	45.8	68.6#

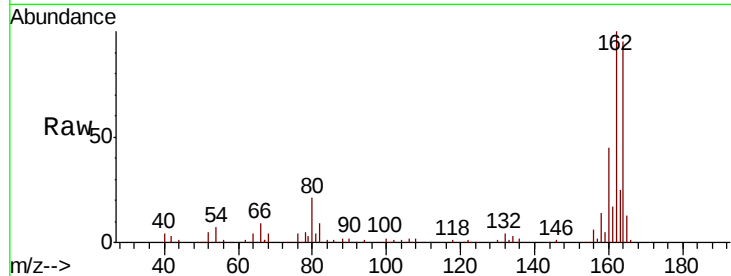




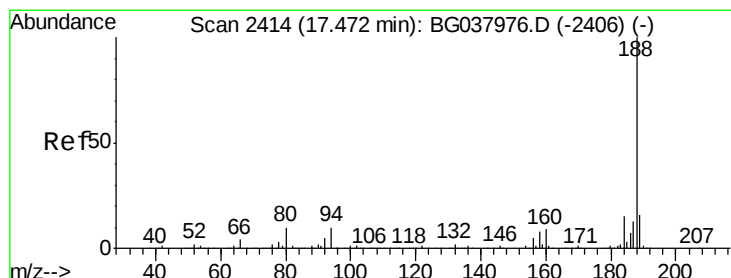
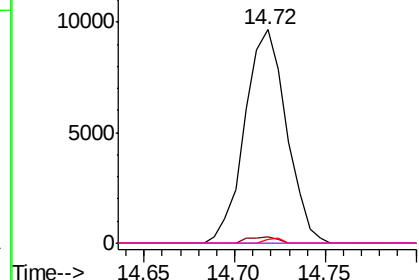
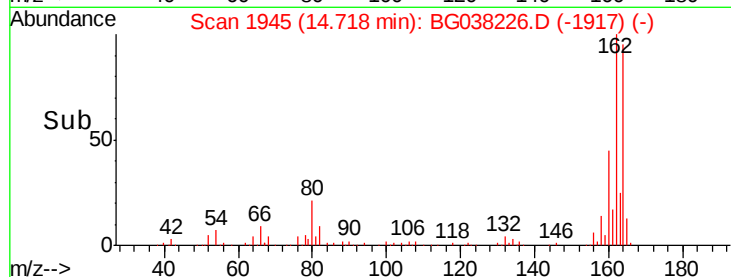
#57
 2,4-Dinitrotoluene
 Concen: 5.494 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	15465
Ion Ratio	Lower	Upper	
165	100		
63	3.2	33.4	50.0#
89	1.9	57.2	85.8#
182	0.0	2.6	4.0#

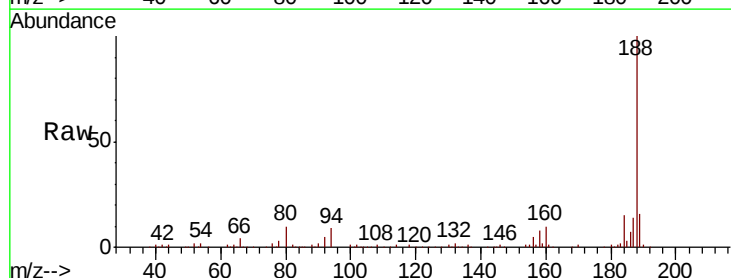


Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

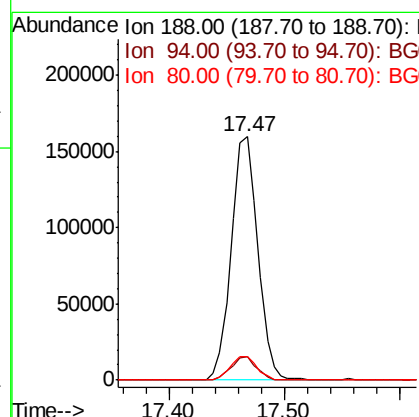
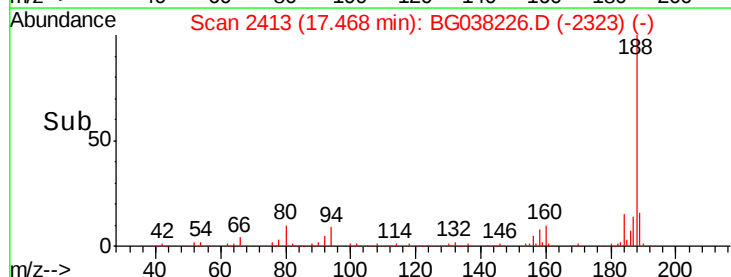


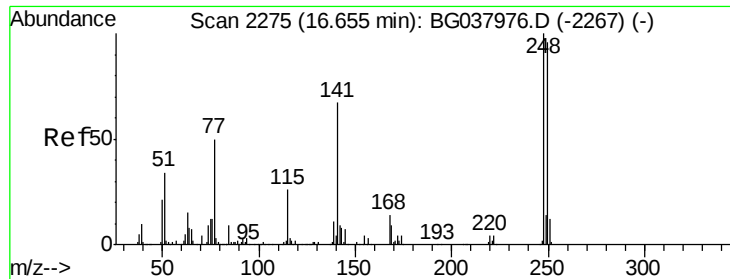
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

Tgt Ion:	188	Resp:	254944
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.2	10.8
80	9.7	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 200000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

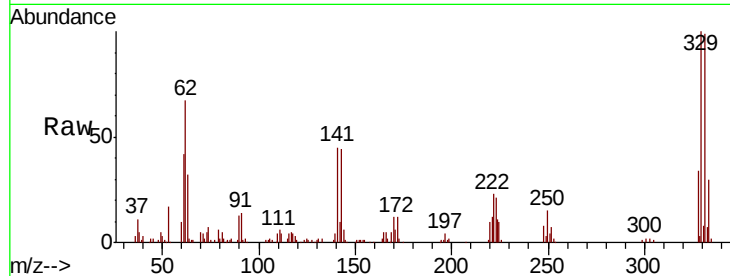




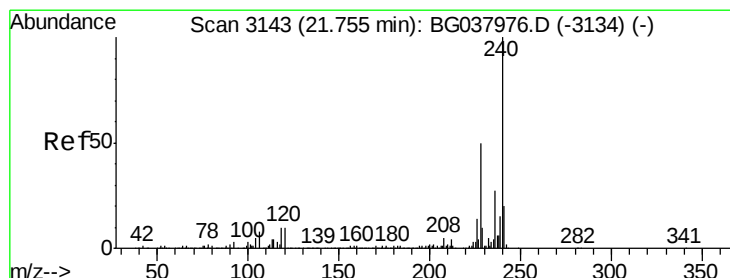
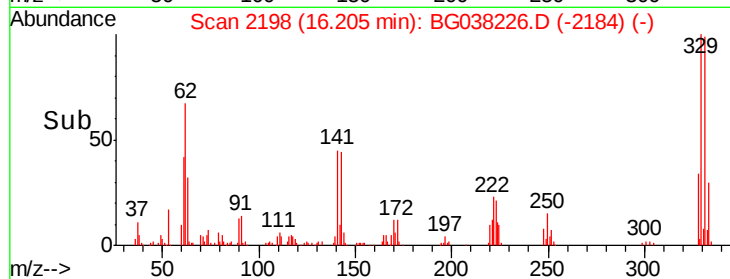
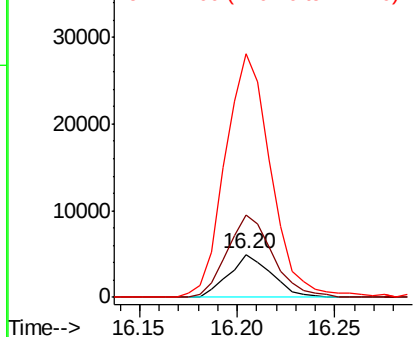
#67
 4-Bromophenyl-phenylether
 Concen: 2.680 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 7498
 Ion Ratio Lower Upper
 248 100
 250 184.4 77.0 115.6#
 141 426.5 55.5 83.3#

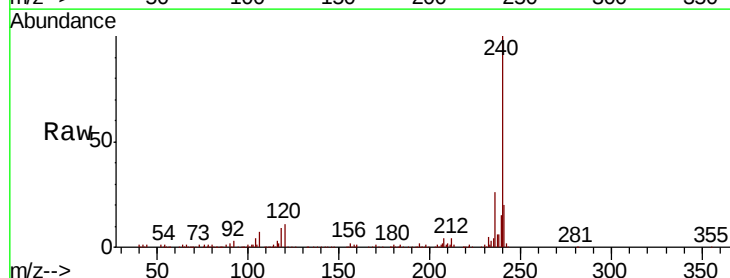


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

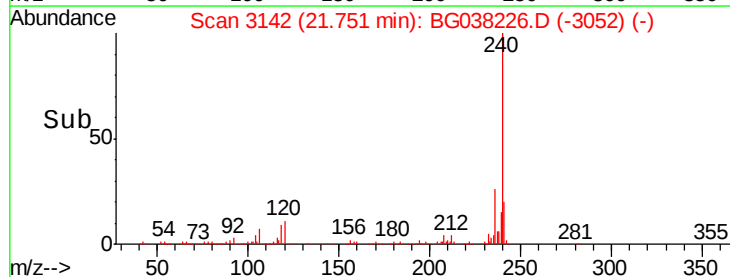
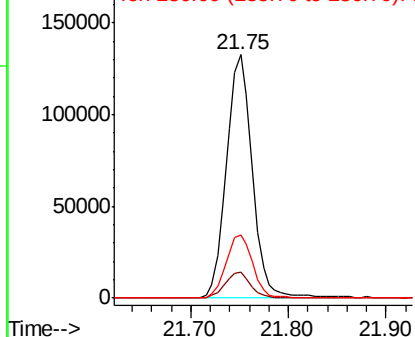


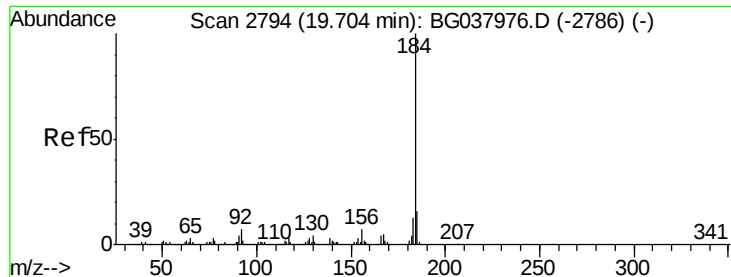
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG038226.D
 Acq: 29 Nov 2018 9:11

Tgt Ion:240 Resp: 244217
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.1 12.1
 236 26.0 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

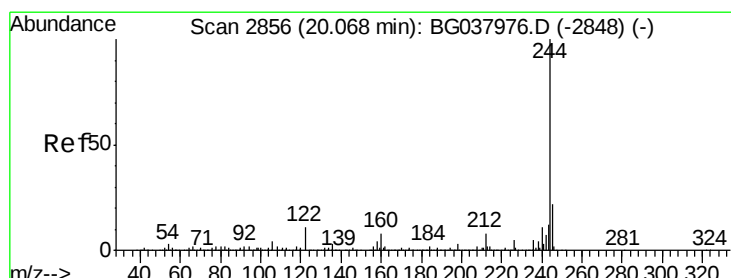
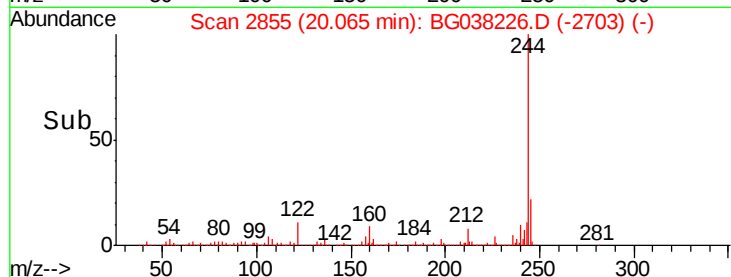
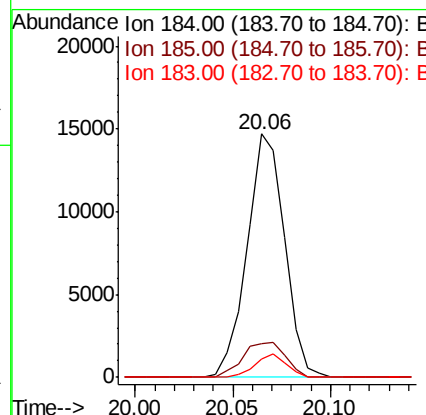
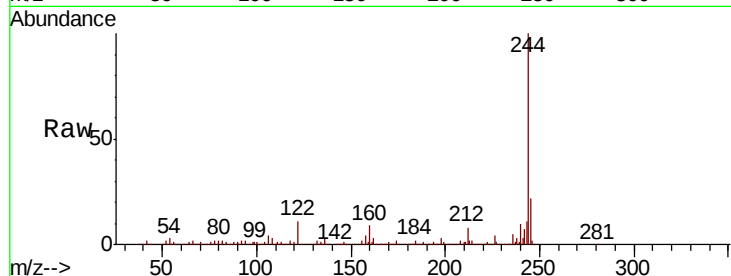




#77
Benzidine
Concen: 2.278 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

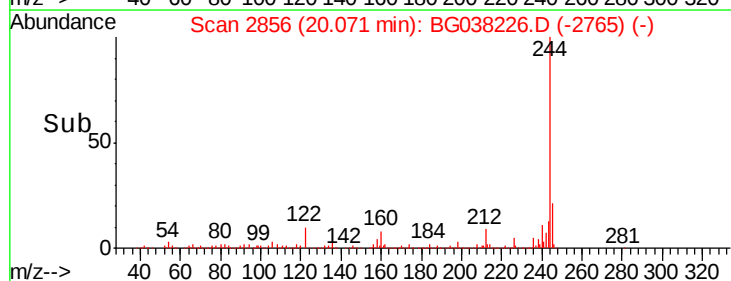
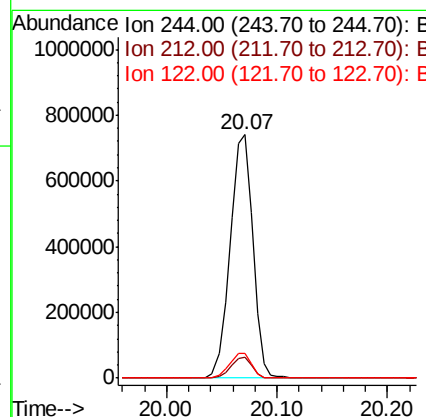
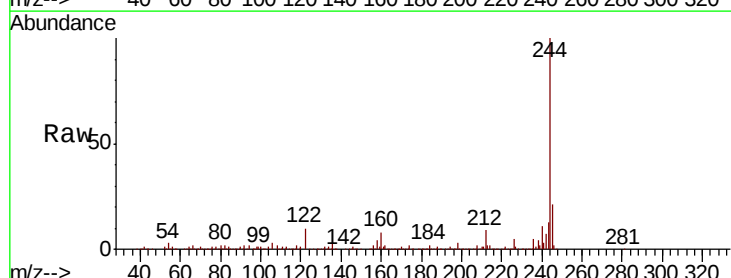
Instrument :
BNA_G
ClientSampleId :

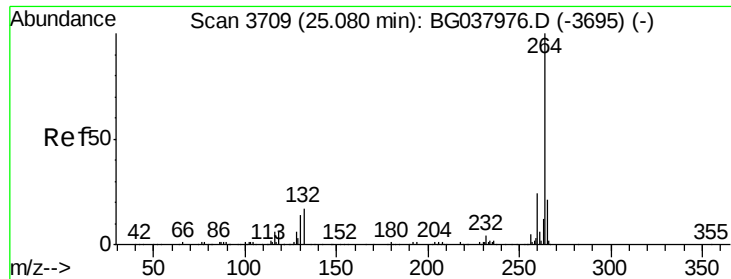
Tot Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	7.6	10.2	15.2



#79
Terphenyl-d14
Concen: 103.432 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	10.1	9.0	13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3707
Delta R.T. -0.01 min
Lab File: BG038226.D
Acq: 29 Nov 2018 9:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.8	17.9	26.9

