

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038936.D
 Acq On : 4 Jan 2019 19:09
 Operator : JU/SJ
 Sample : K1040-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 22:48:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

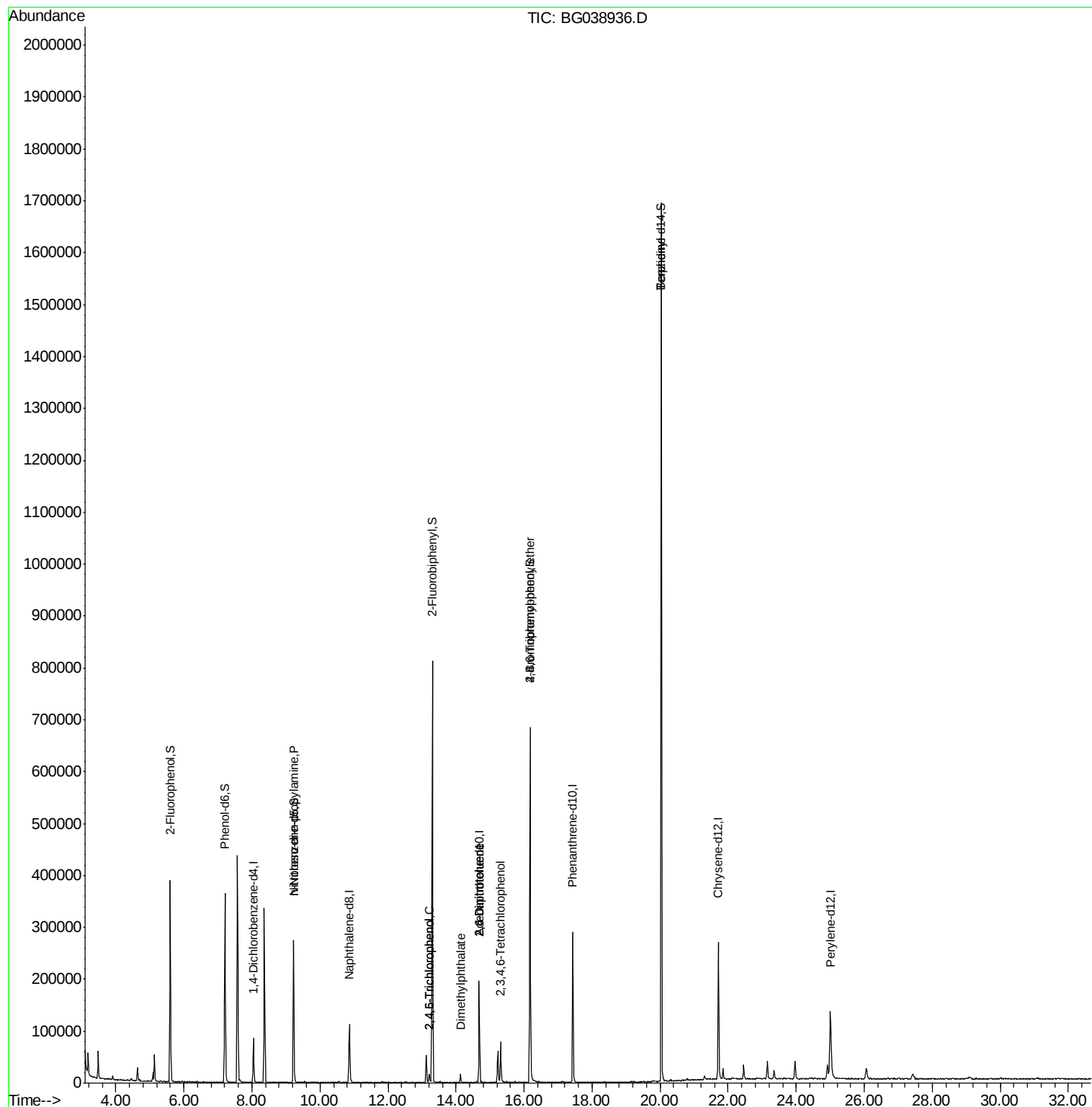
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26313	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	103337	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	74436	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	187454	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	190562	20.00	ng	-0.01
87) Perylene-d12	25.00	264	187777	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	172599	116.34	ng	0.00
7) Phenol-d6	7.21	99	215705	105.91	ng	0.00
23) Nitrobenzene-d5	9.22	82	165708	81.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	154179	150.29	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	446026	82.20	ng	-0.02
79) Terphenyl-d14	20.03	244	852548	97.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	23180	16.205	ng	Qvalue # 63
43) 2,4,6-Trichlorophenol	13.21	196	9338	5.458	ng	95
44) 2,4,5-Trichlorophenol	13.21	196	9338	5.155	ng	96
50) Dimethylphthalate	14.14	163	13032	2.144	ng	97
51) 2,6-Dinitrotoluene	14.68	165	9526	6.915	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	9526	4.910	ng	# 23
59) 2,3,4,6-Tetrachlorophenol	15.31	232	23372	14.342	ng	# 97
67) 4-Bromophenyl-phenylether	16.17	248	10325	4.510	ng	# 1
77) Benzidine	20.03	184	13767	2.443	ng	# 94

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

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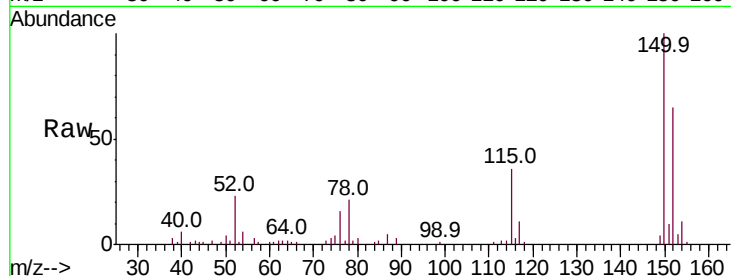


#1

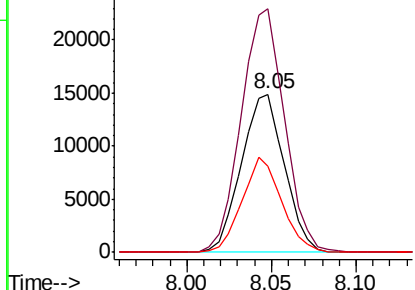
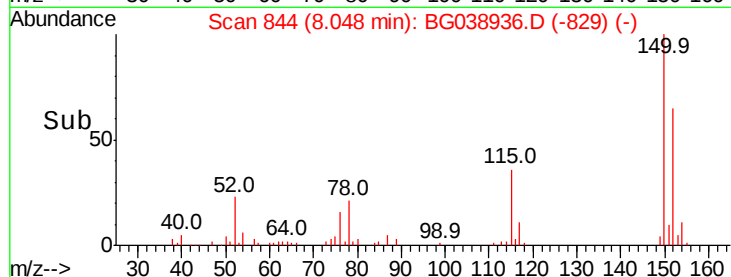
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26313
Ion Ratio Lower Upper
152 100
150 153.9 119.5 179.3
115 54.7 49.6 74.4



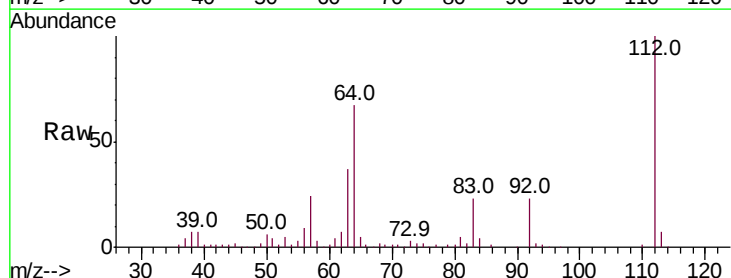
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



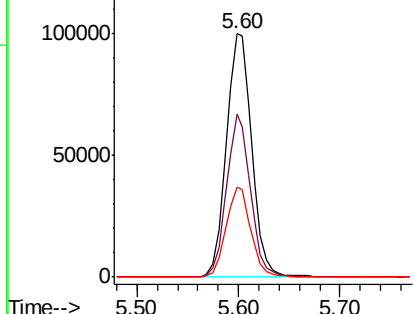
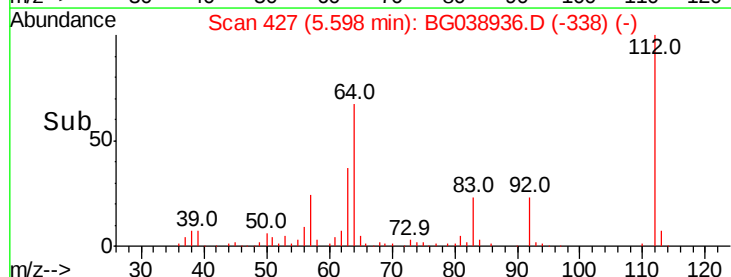
#5

2-Fluorophenol
Concen: 116.342 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Tgt Ion:112 Resp: 172599
Ion Ratio Lower Upper
112 100
64 67.0 53.4 80.2
63 37.1 29.3 43.9



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: 105.913 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

Instrument :

BNA_G

ClientSampleId :

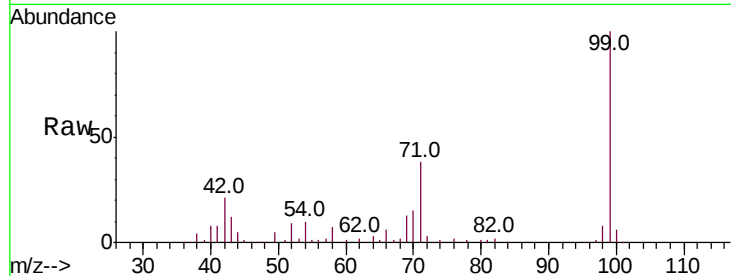
Tot Ion: 99 Resp: 215705

Ion Ratio Lower Upper

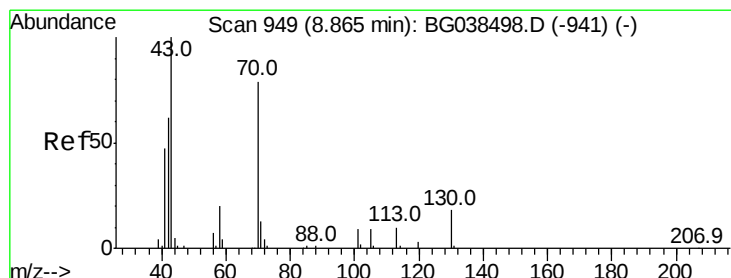
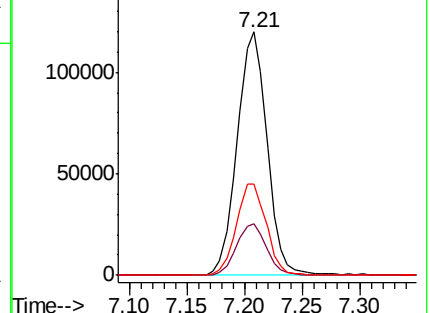
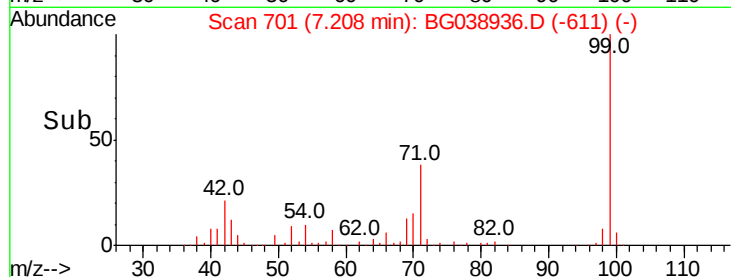
99 100

42 21.0 18.5 27.7

71 37.5 31.1 46.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.205 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

Tgt Ion: 70 Resp: 23180

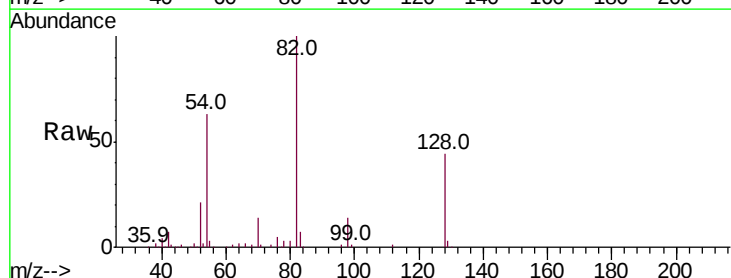
Ion Ratio Lower Upper

70 100

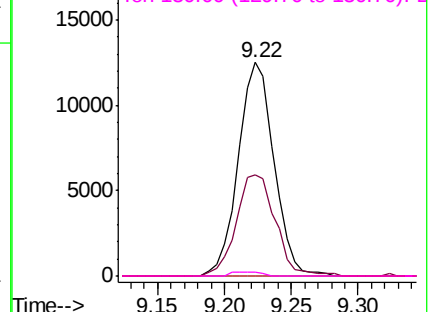
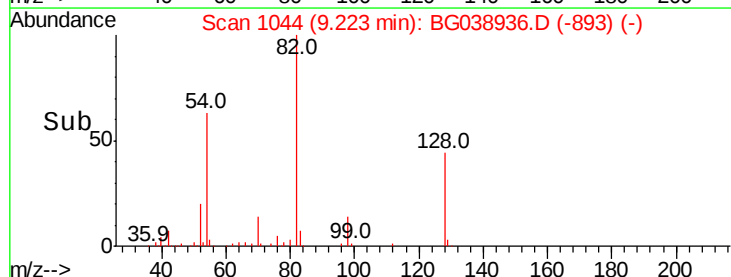
42 47.4 63.6 95.4#

101 0.0 9.2 13.8#

130 2.0 18.5 27.7#



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

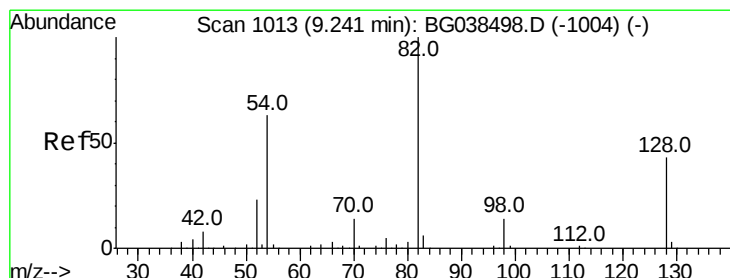
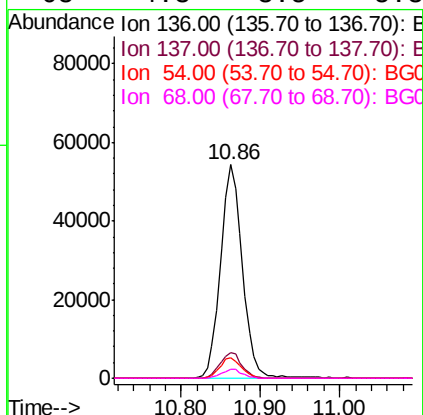
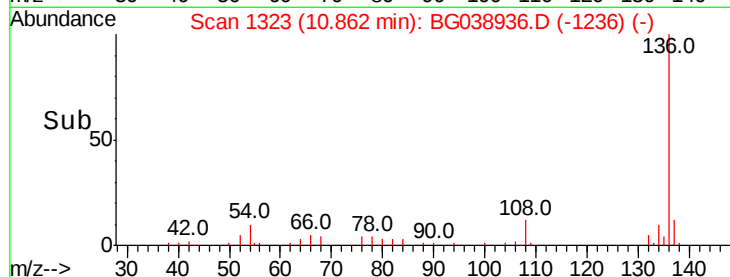
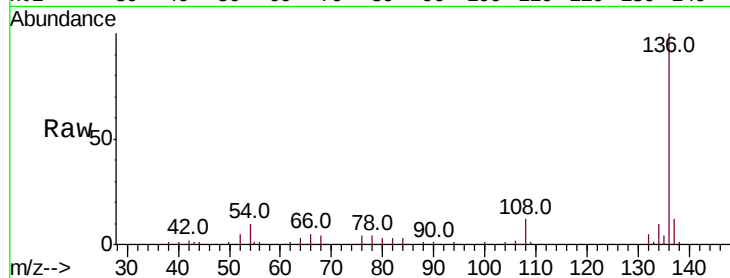




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

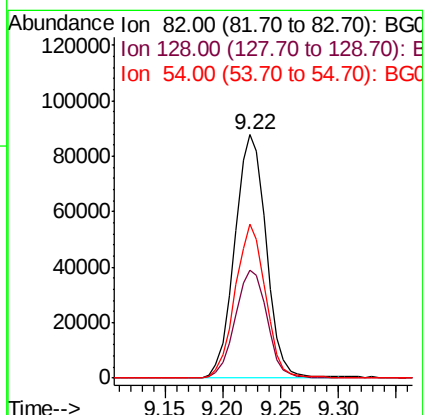
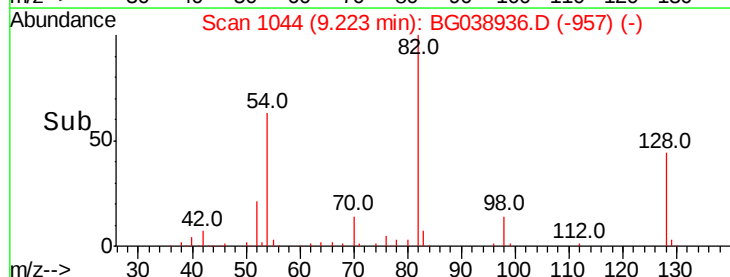
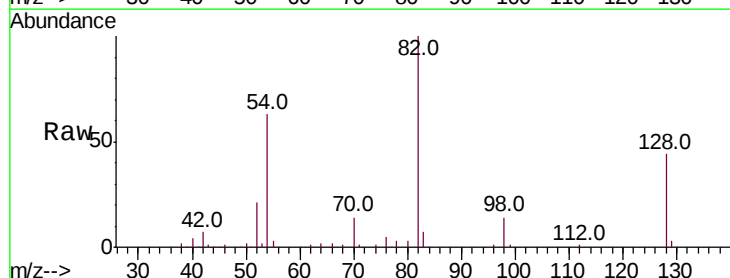
Instrument :
BNA_G
ClientSampleId :

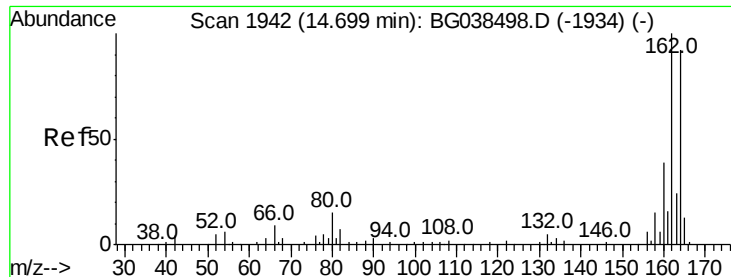
Tot Ion:136	Resp:	103337
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.3 13.9
54	9.7	8.5 12.7
68	4.3	3.5 5.3



#23
Nitrobenzene-d5
Concen: 81.922 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Tgt Ion: 82	Resp:	165708
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.6 52.0
54	63.1	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

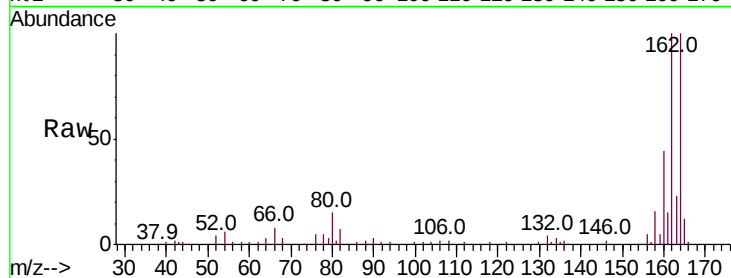
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 74436

Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.6	130.0
160	43.9	34.2	51.2

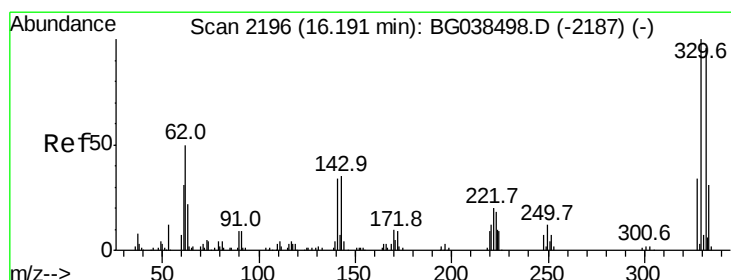
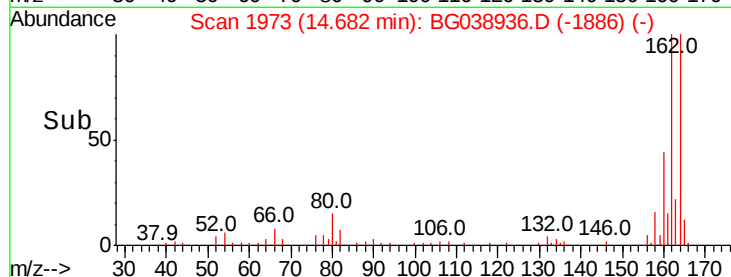
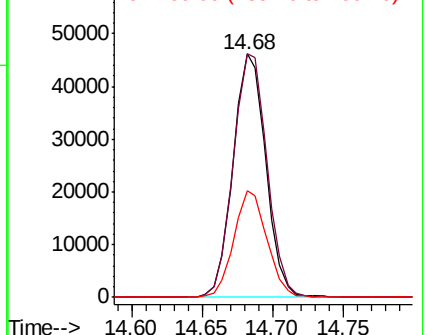


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 150.292 ng

RT: 16.17 min Scan# 2227

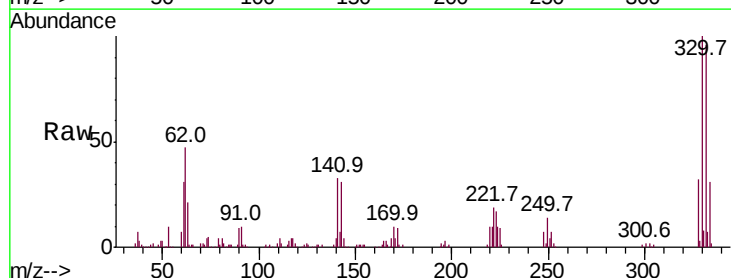
Delta R.T. -0.02 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

Tgt Ion:330 Resp: 154179

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	32.6	28.8	43.2

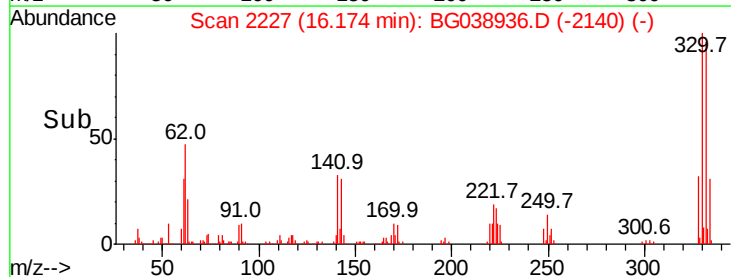
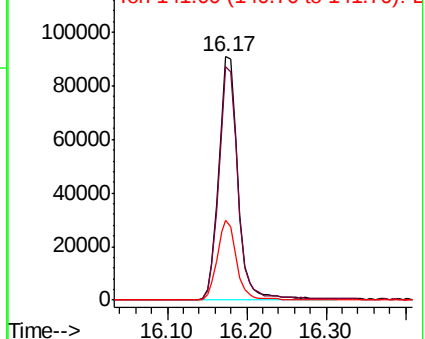


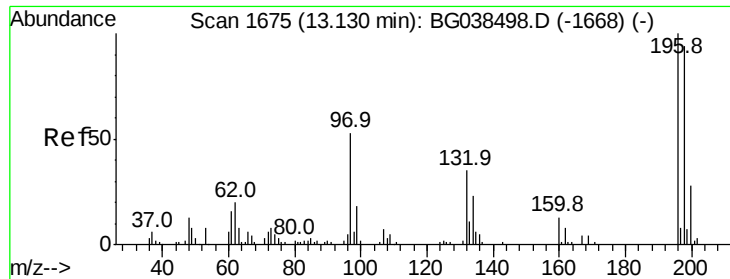
Abundance

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

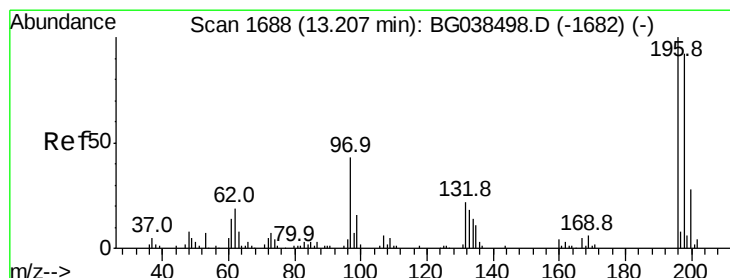
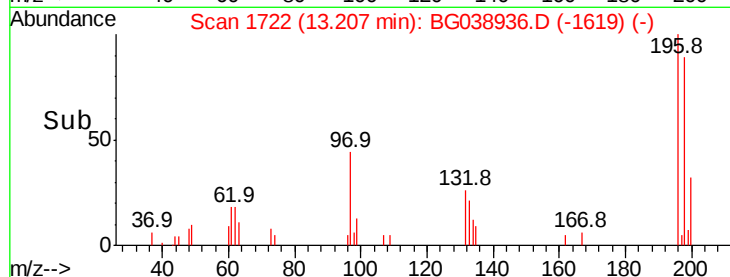
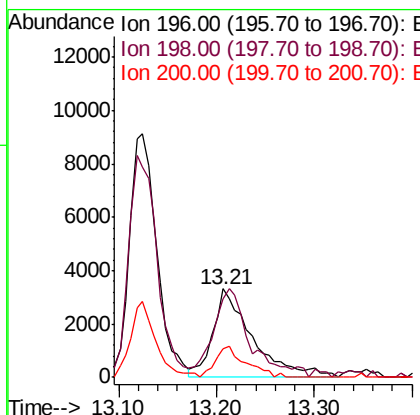
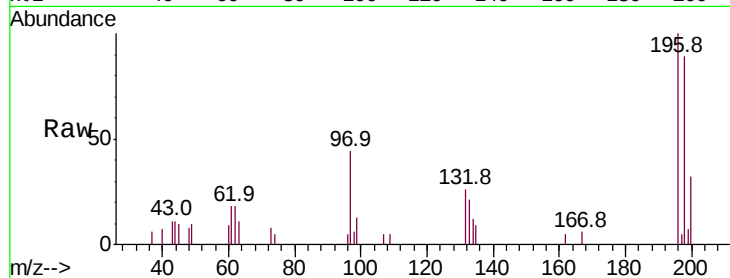




#43
 2,4,6-Trichlorophenol
 Concen: 5.458 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. 0.08 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

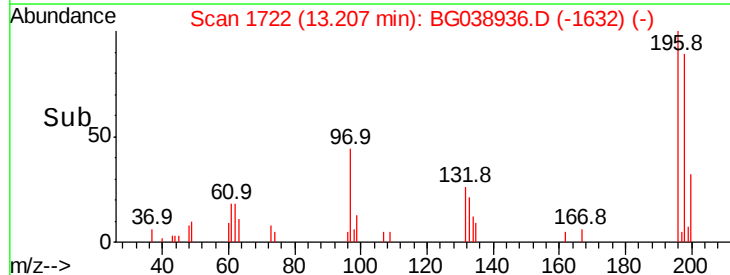
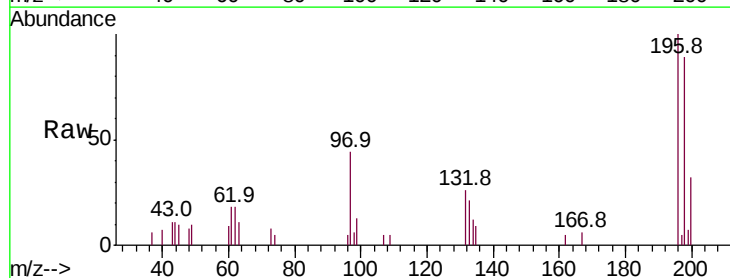
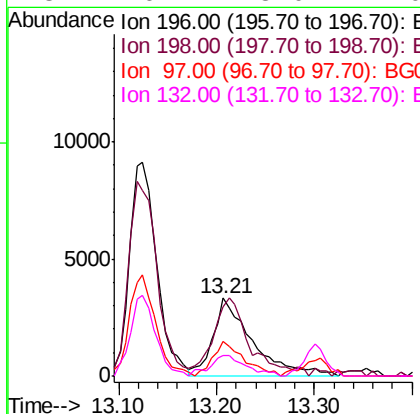
Instrument :
 BNA_G
 ClientSampleId :

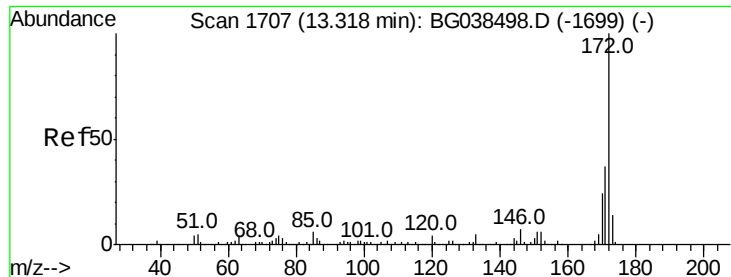
Tot Ion:196 Resp: 9338
 Ion Ratio Lower Upper
 196 100
 198 88.9 75.0 112.4
 200 31.6 22.4 33.6



#44
 2,4,5-Trichlorophenol
 Concen: 5.155 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. 0.00 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

Tgt Ion:196 Resp: 9338
 Ion Ratio Lower Upper
 196 100
 198 88.9 74.0 111.0
 97 44.5 35.1 52.7
 132 26.2 18.0 27.0

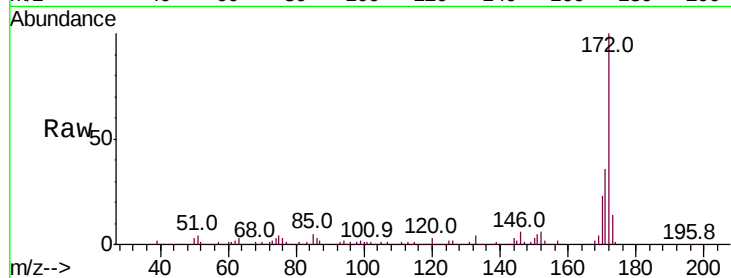




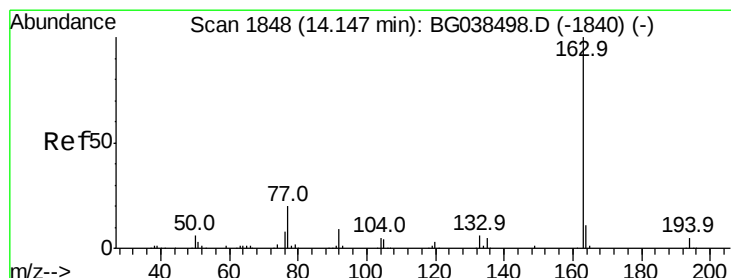
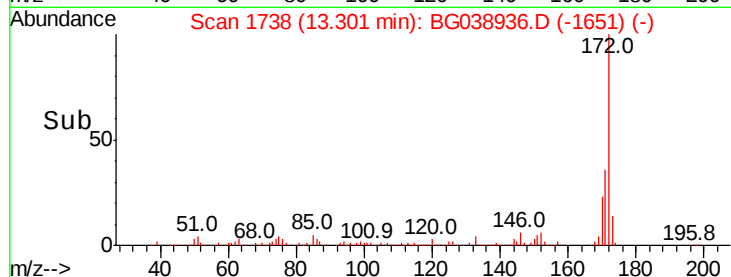
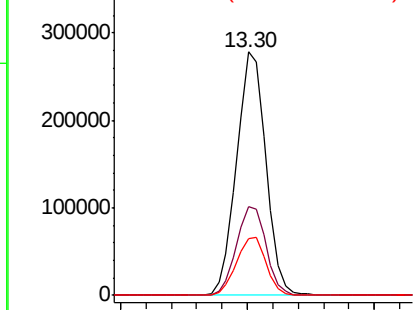
#45
2-Fluorobiphenyl
Concen: 82.202 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 446026
Ion Ratio Lower Upper
172 100
171 36.4 29.8 44.6
170 23.3 19.5 29.3

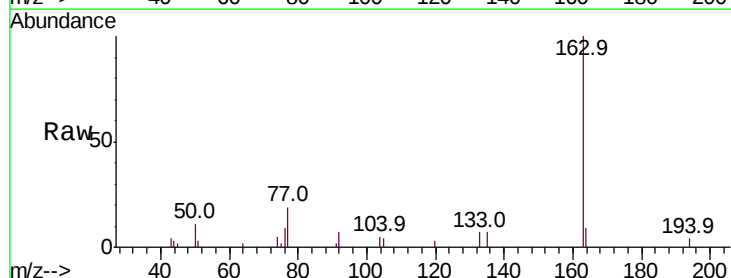


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

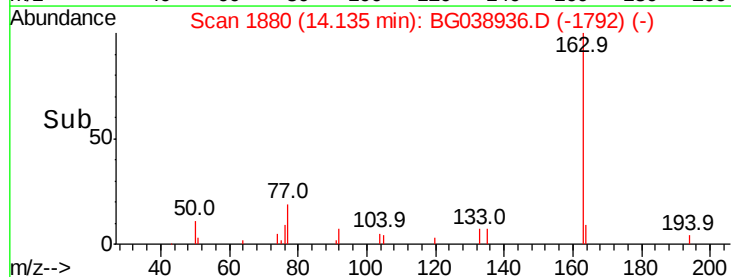
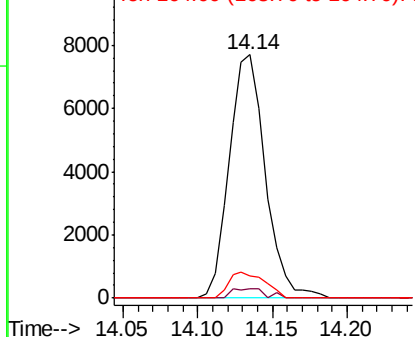


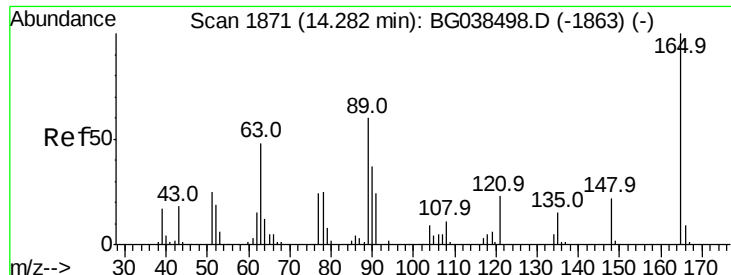
#50
Dimethylphthalate
Concen: 2.144 ng
RT: 14.14 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Tgt Ion:163 Resp: 13032
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 9.3 8.6 12.8



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

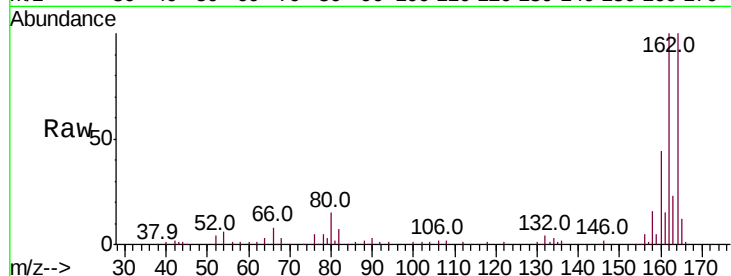




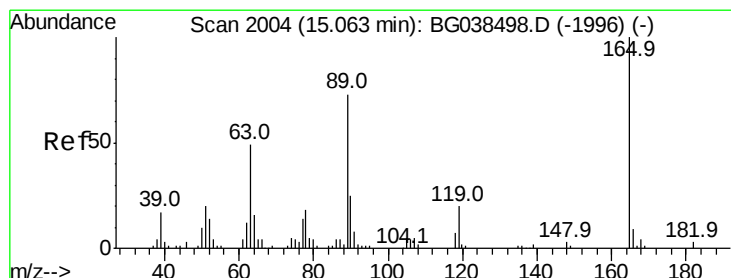
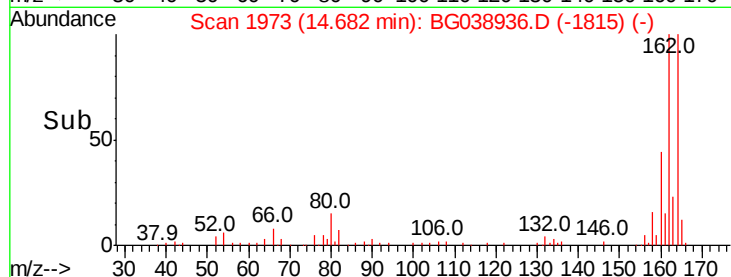
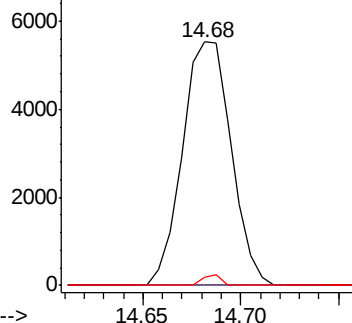
#51
 2,6-Dinitrotoluene
 Concen: 6.915 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.4	47.9	71.9#



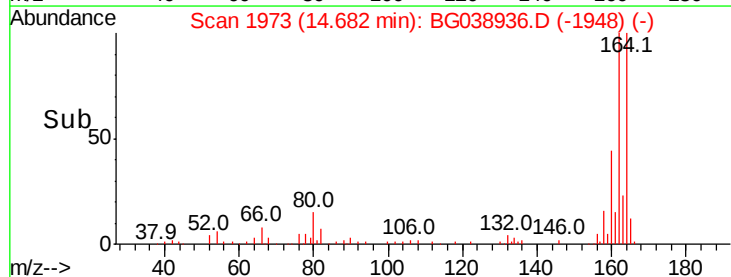
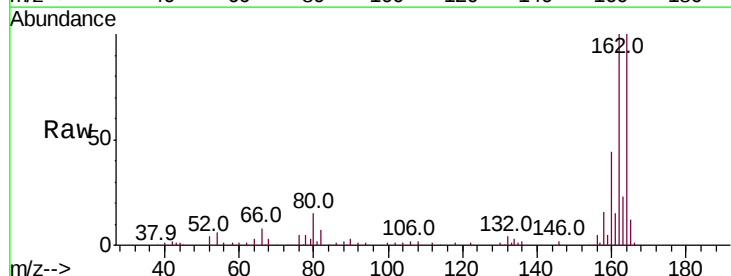
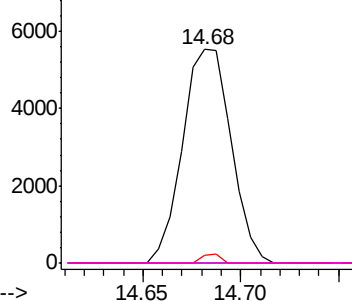
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

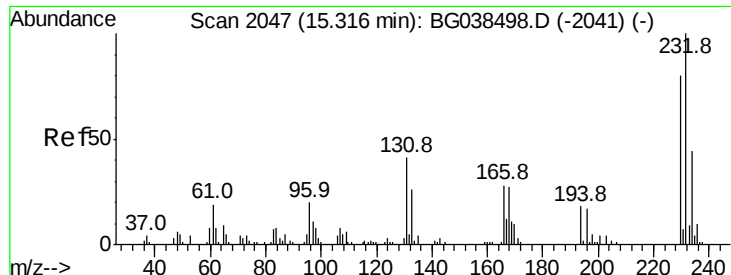


#57
 2,4-Dinitrotoluene
 Concen: 4.910 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.4	58.0	87.0#
182	0.0	2.3	3.5#

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

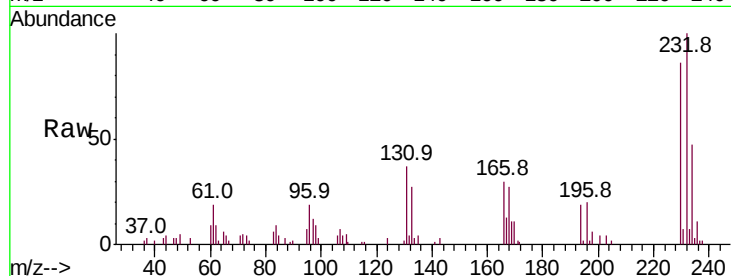




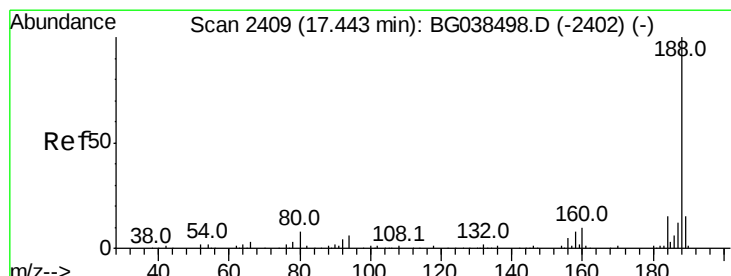
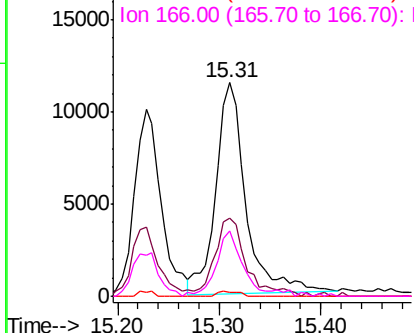
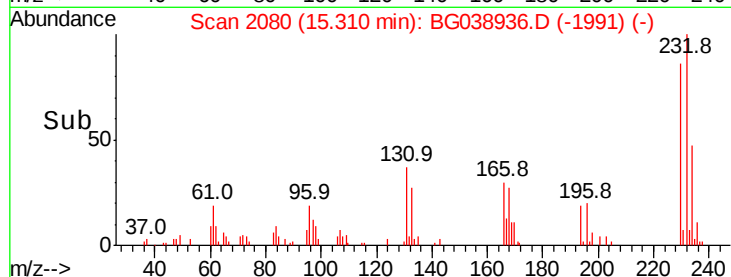
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 14.342 ng
 RT: 15.31 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:232 Resp: 23372
 Ion Ratio Lower Upper
 232 100
 131 38.3 33.0 49.4
 130 1.6 2.0 3.0#
 166 28.9 23.1 34.7

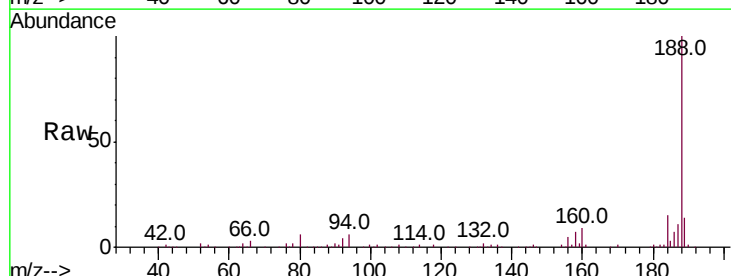


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

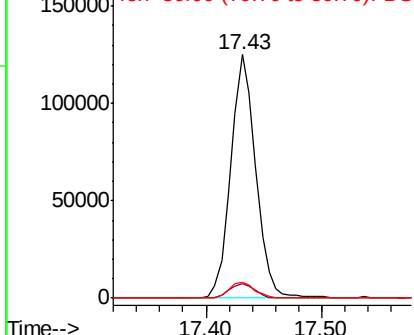
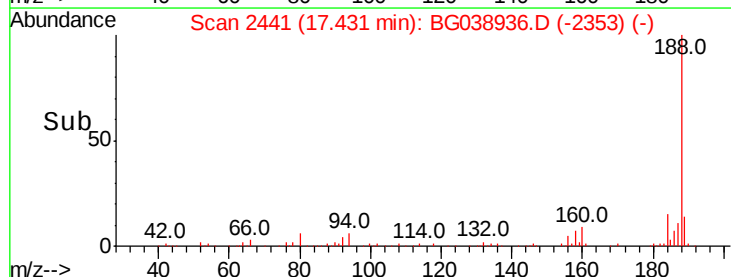


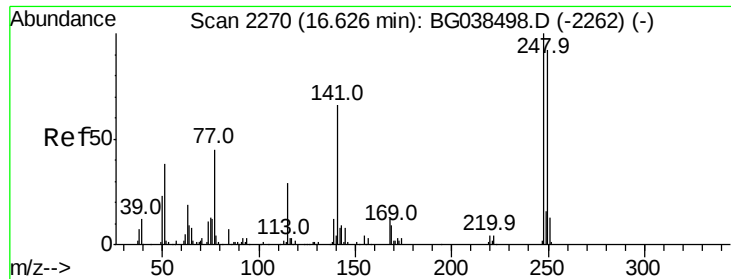
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038936.D
 Acq: 4 Jan 2019 19:09

Tgt Ion:188 Resp: 187454
 Ion Ratio Lower Upper
 188 100
 94 6.0 5.1 7.7
 80 6.4 6.1 9.1



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

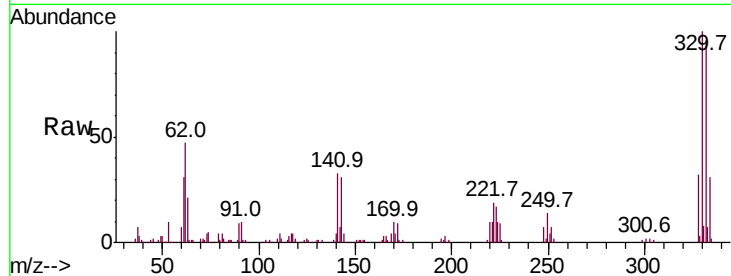




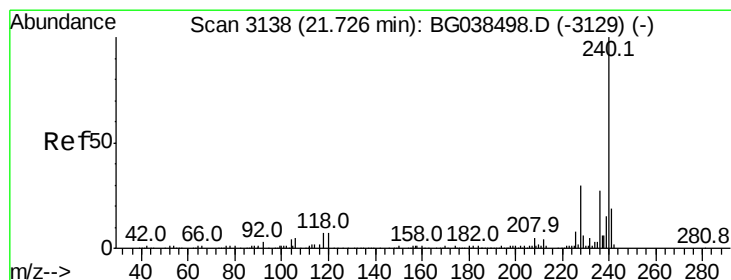
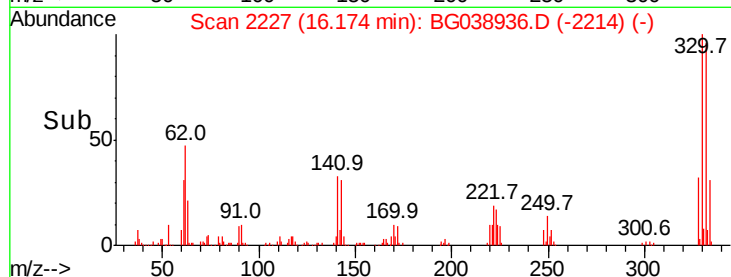
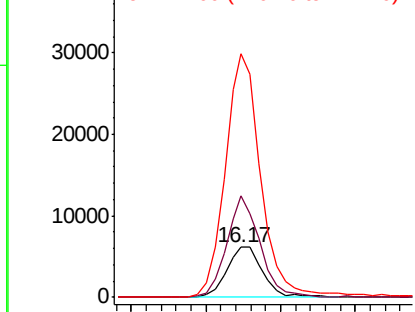
#67
4-Bromophenyl-phenylether
Concen: 4.510 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10325
Ion Ratio Lower Upper
248 100
250 156.4 73.4 110.2#
141 375.2 52.9 79.3#

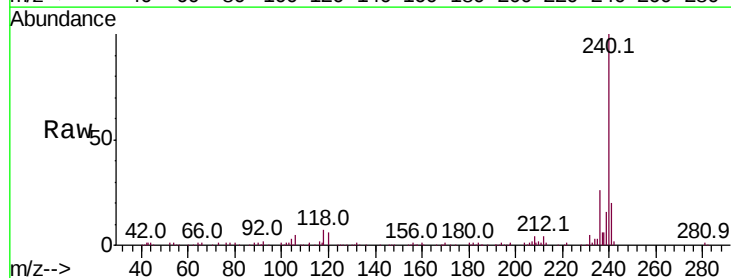


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

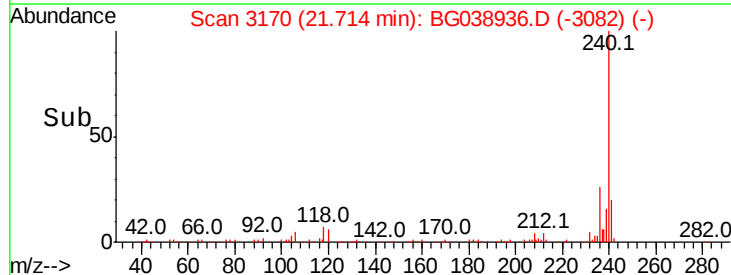
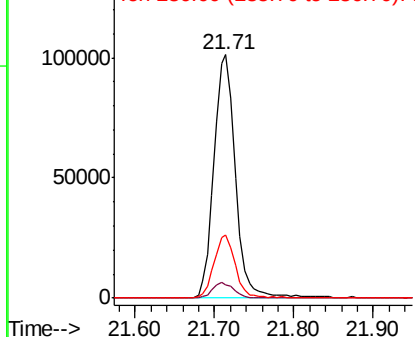


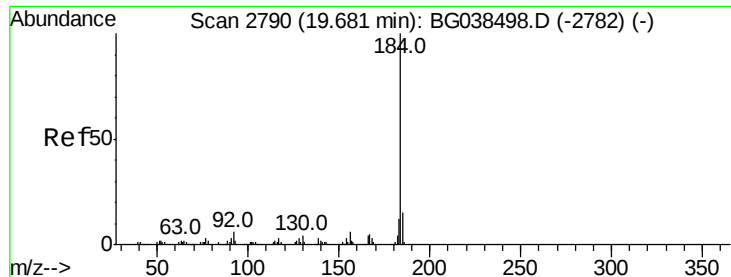
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Tgt Ion:240 Resp: 190562
Ion Ratio Lower Upper
240 100
120 5.7 5.3 7.9
236 25.7 21.4 32.2



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: 2.443 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

Instrument :

BNA_G

ClientSampled :

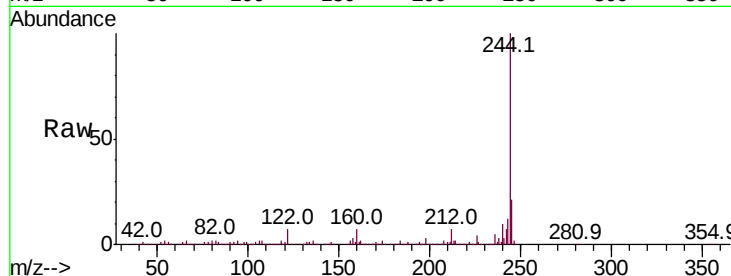
Tot Ion:184 Resp: 13767

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

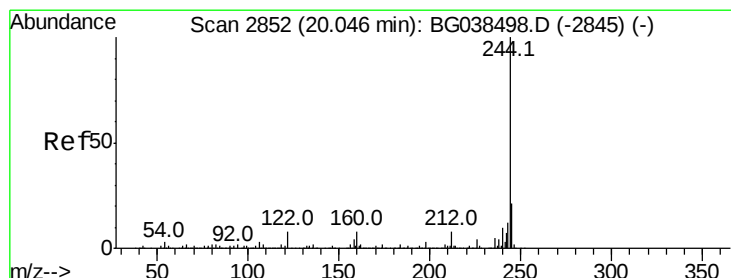
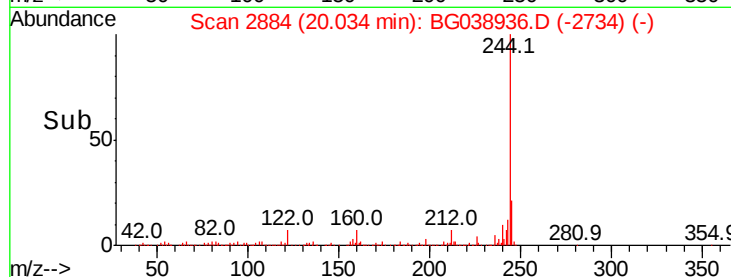
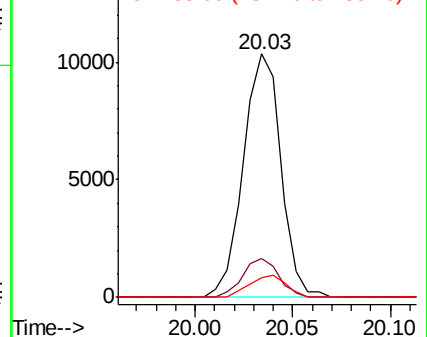
183 7.9 9.6 14.4#



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: 97.366 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038936.D

Acq: 4 Jan 2019 19:09

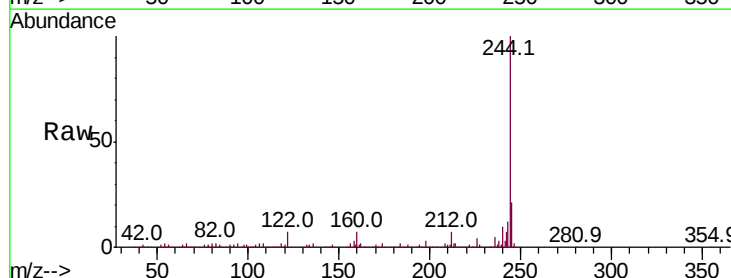
Tgt Ion:244 Resp: 852548

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

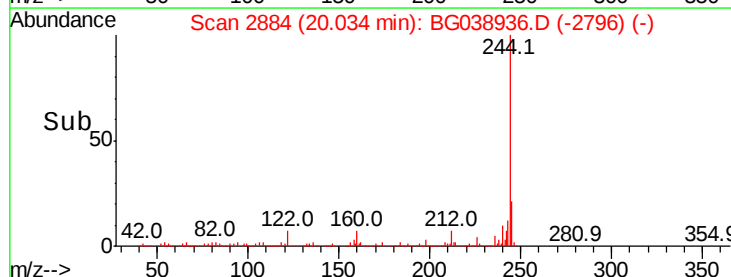
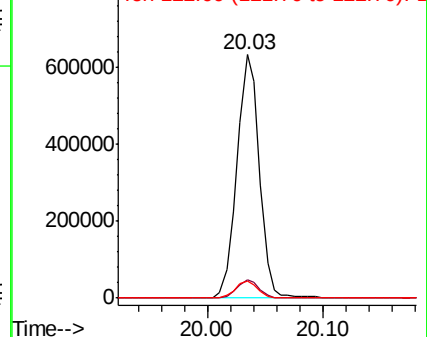
122 7.1 6.3 9.5

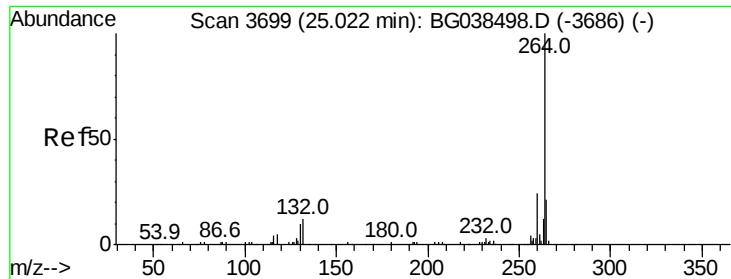


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.00 min Scan# 3730
Delta R.T. -0.02 min
Lab File: BG038936.D
Acq: 4 Jan 2019 19:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	20.9	17.0	25.4

