

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038988.D
 Acq On : 8 Jan 2019 7:01
 Operator : JU/SJ
 Sample : K1064-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 08:15:46 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

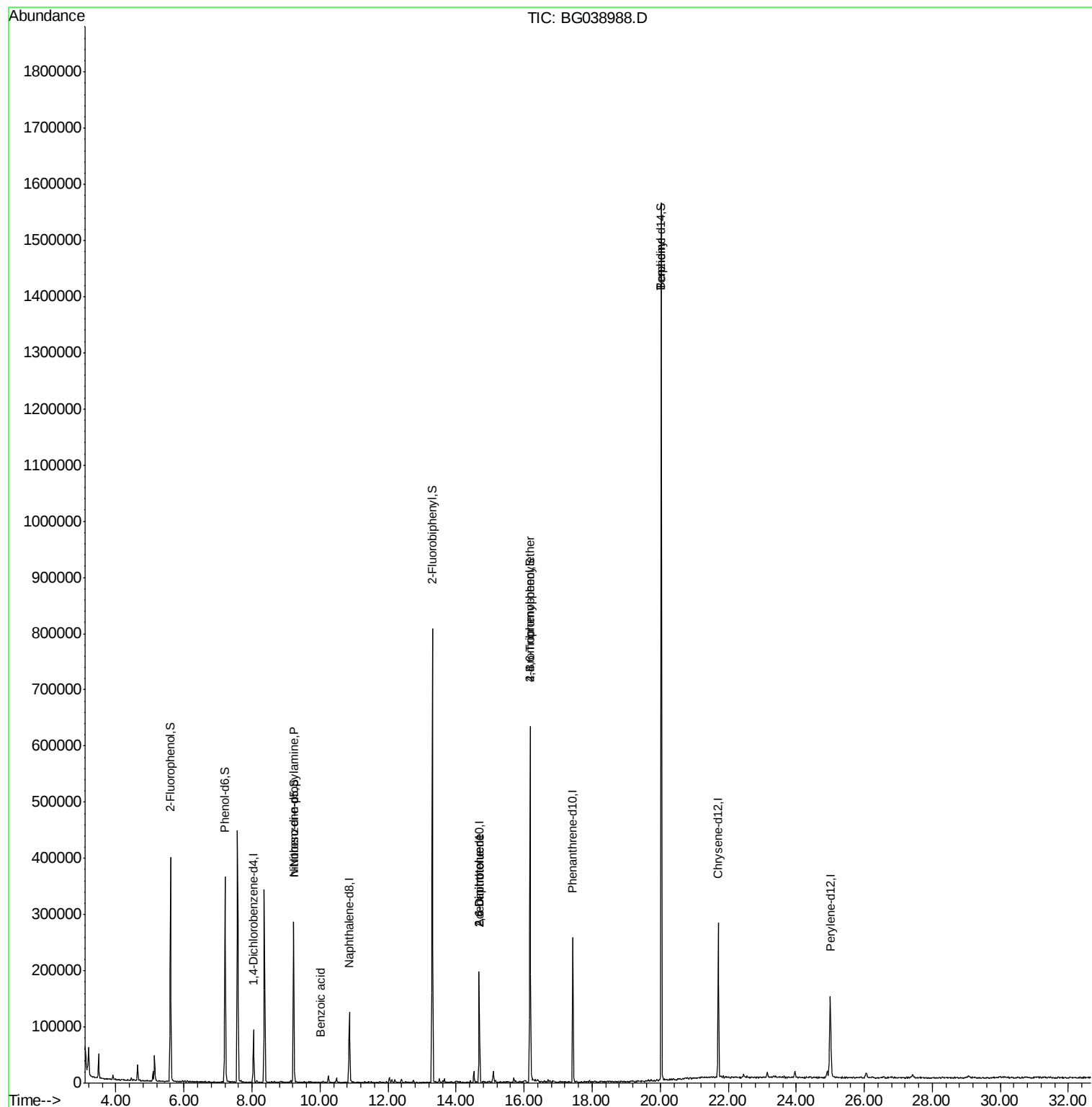
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27592	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	109142	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	71483	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	170785	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	179527	20.00	ng	-0.02
87) Perylene-d12	25.00	264	188359	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177723	114.24	ng	0.00
7) Phenol-d6	7.21	99	210818	98.72	ng	0.00
23) Nitrobenzene-d5	9.22	82	165392	77.42	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	137660	139.73	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	436208	83.71	ng	-0.02
79) Terphenyl-d14	20.03	244	790079	95.78	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	22784	15.190	ng	# 69
32) Benzoic acid	10.04	122	58	10.210	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	9359	7.075	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	9359	5.023	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	9264	4.442	ng	# 1
77) Benzidine	20.03	184	12856	2.421	ng	96

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

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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



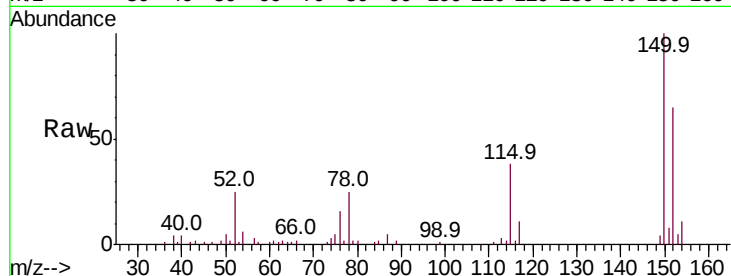


#1

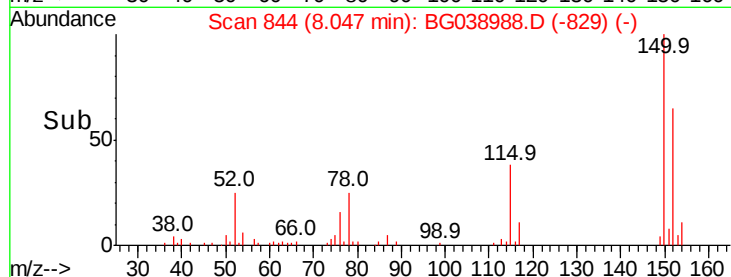
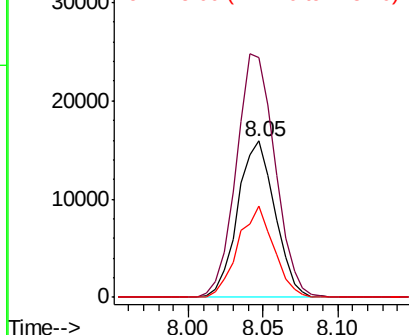
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038988.D
Acq: 8 Jan 2019 7:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27592
Ion Ratio Lower Upper
152 100
150 153.8 119.5 179.3
115 58.7 49.6 74.4



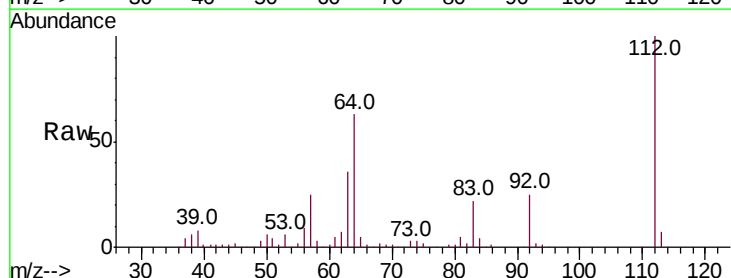
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



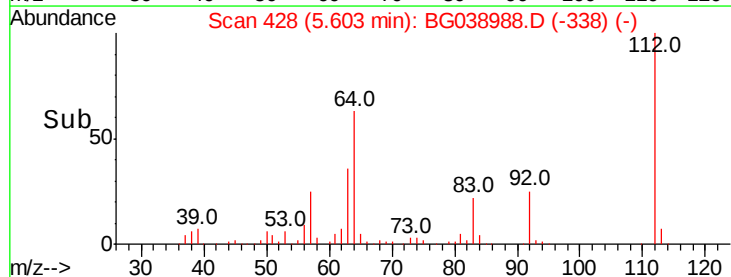
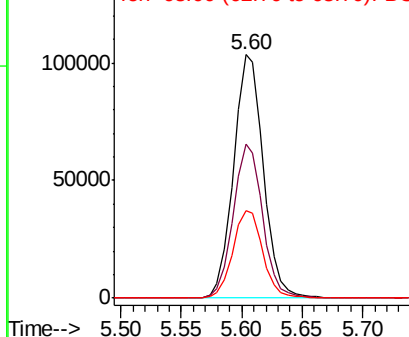
#5

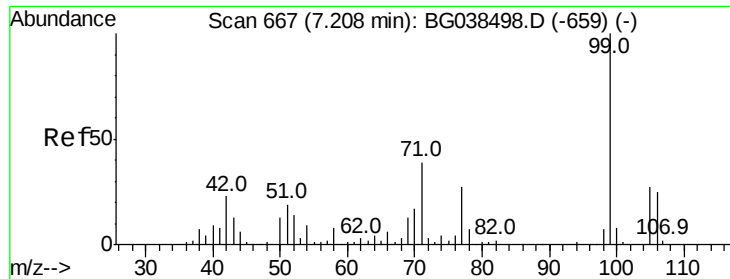
2-Fluorophenol
Concen: 114.243 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038988.D
Acq: 8 Jan 2019 7:01

Tgt Ion:112 Resp: 177723
Ion Ratio Lower Upper
112 100
64 63.2 53.4 80.2
63 36.1 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: 98.715 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

Instrument :

BNA_G

ClientSampleId :

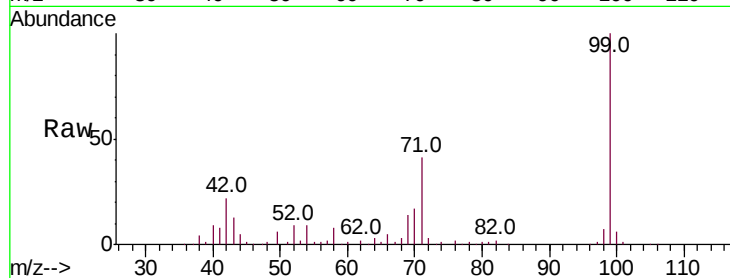
Tot Ion: 99 Resp: 210818

Ion Ratio Lower Upper

99 100

42 21.7 18.5 27.7

71 41.2 31.1 46.7

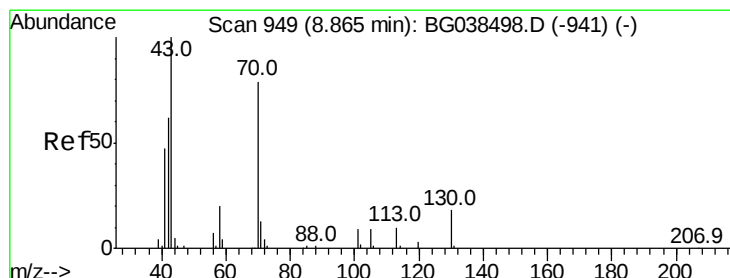
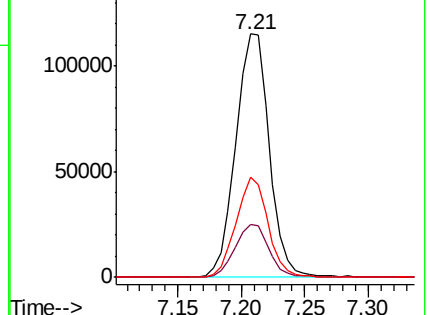
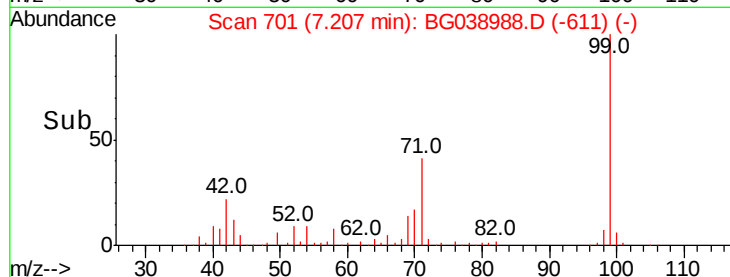


Abundance

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: 15.190 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

Tgt Ion: 70 Resp: 22784

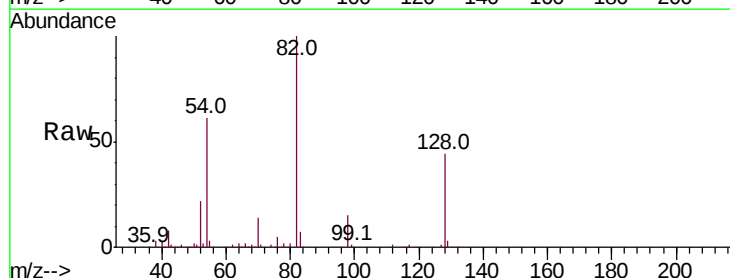
Ion Ratio Lower Upper

70 100

42 54.5 63.6 95.4#

101 0.0 9.2 13.8#

130 2.4 18.5 27.7#



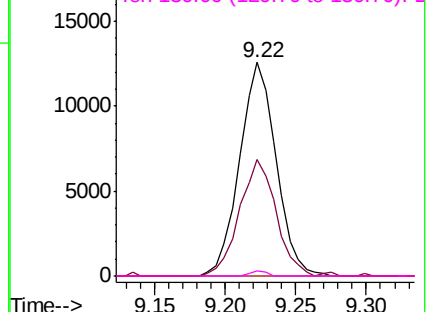
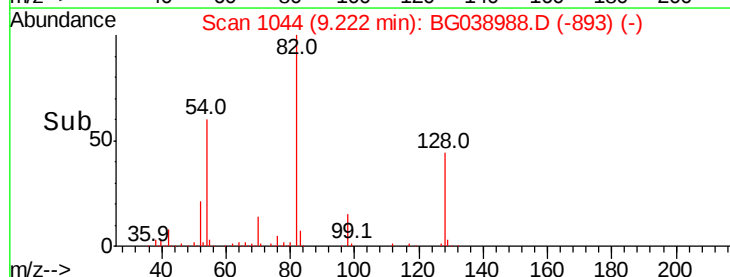
Abundance

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

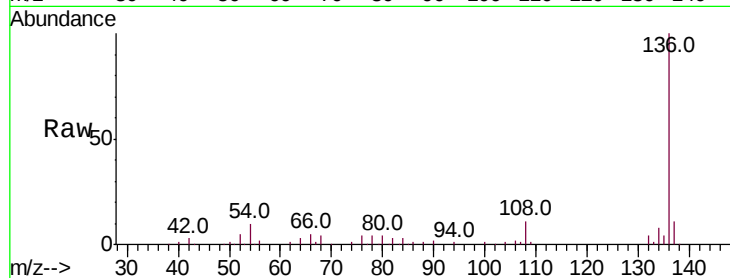




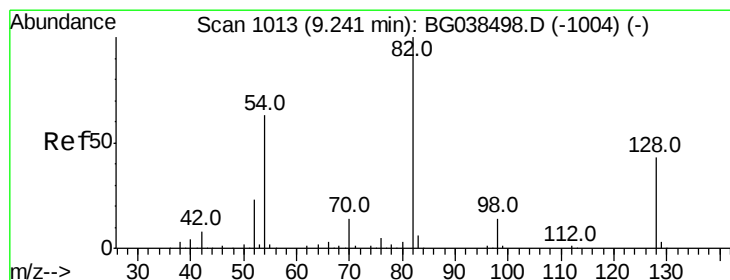
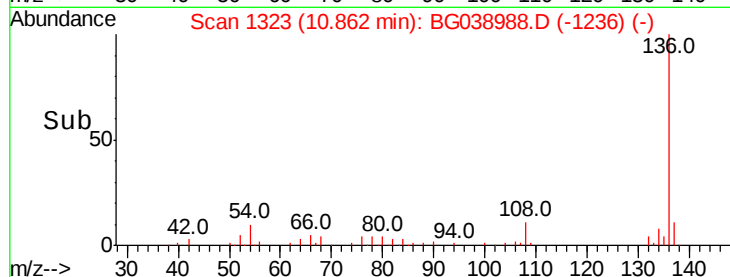
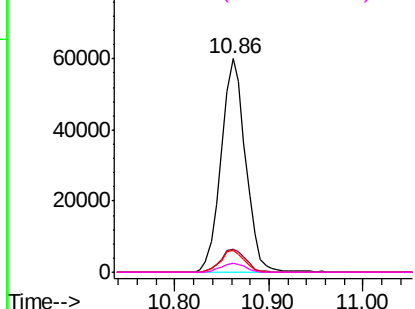
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038988.D
Acq: 8 Jan 2019 7:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	109142
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.3 13.9
54	10.3	8.5 12.7
68	4.5	3.5 5.3

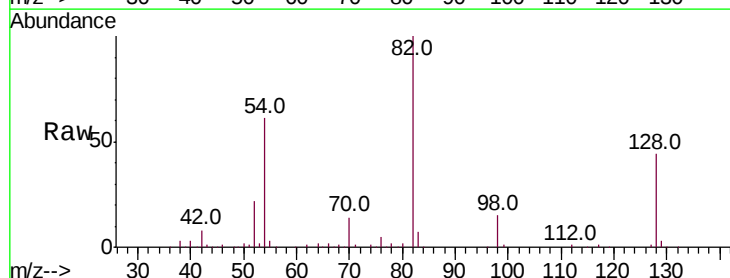


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

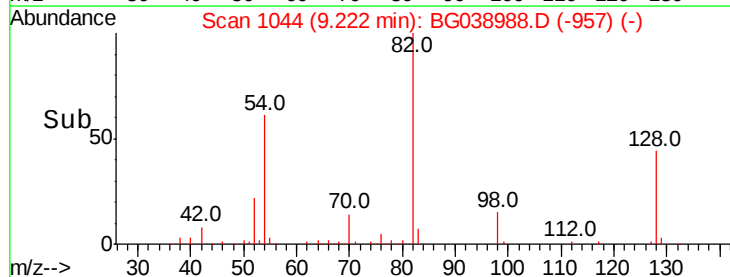
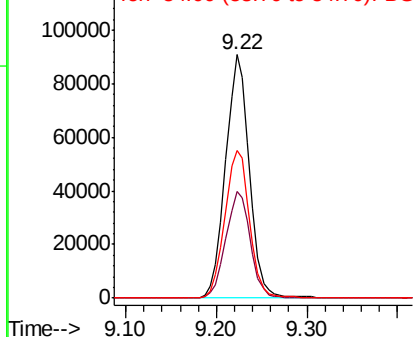


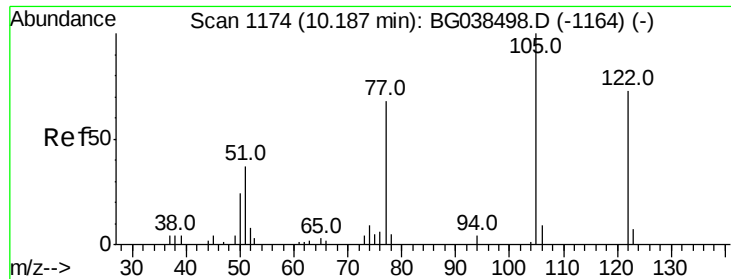
#23
Nitrobenzene-d5
Concen: 77.417 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038988.D
Acq: 8 Jan 2019 7:01

Tgt Ion: 82	Resp:	165392
Ion Ratio	Lower	Upper
82	100	
128	43.6	34.6 52.0
54	60.7	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 10.210 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.15 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

Instrument :

BNA_G

ClientSampleId :

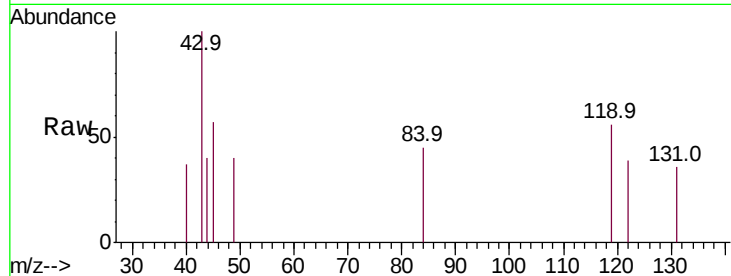
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 116.7 156.7#

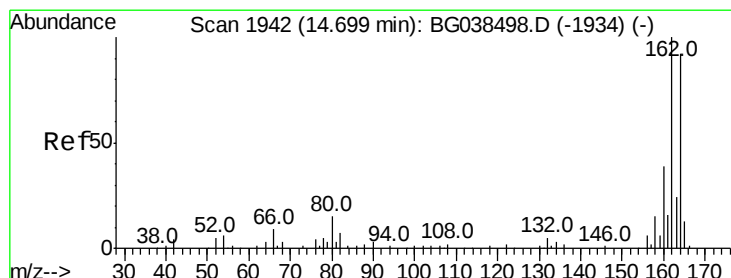
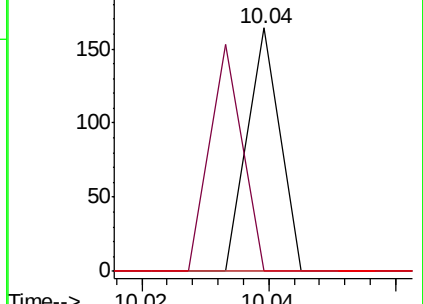
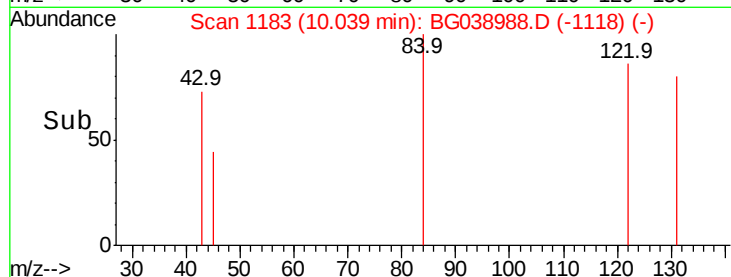
77 0.0 72.5 112.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

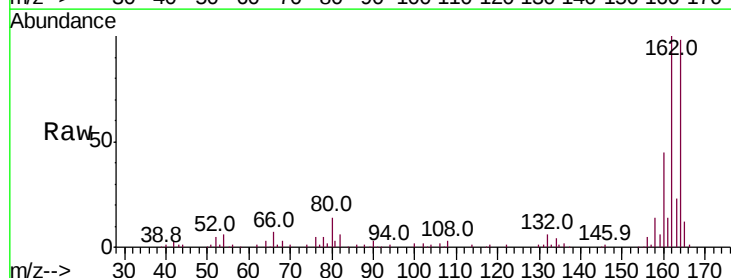
Tgt Ion:164 Resp: 71483

Ion Ratio Lower Upper

164 100

162 102.0 86.6 130.0

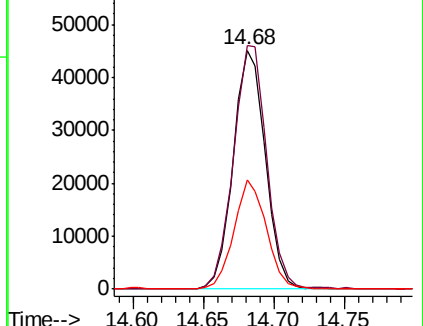
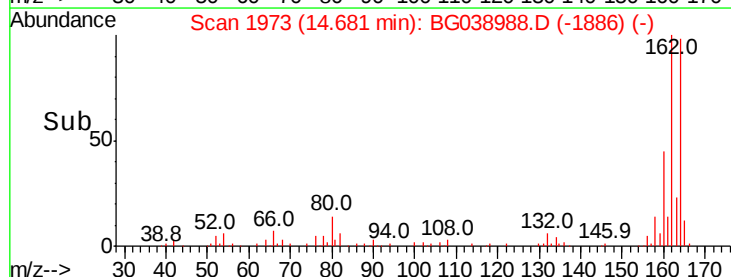
160 45.8 34.2 51.2

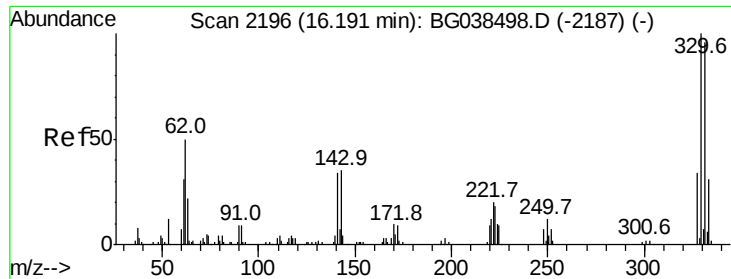


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

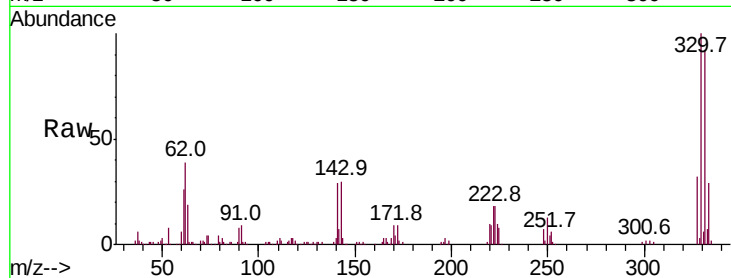




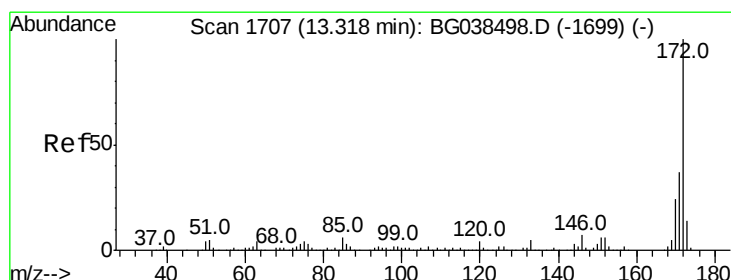
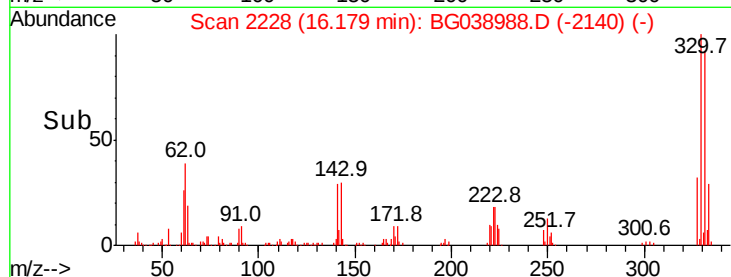
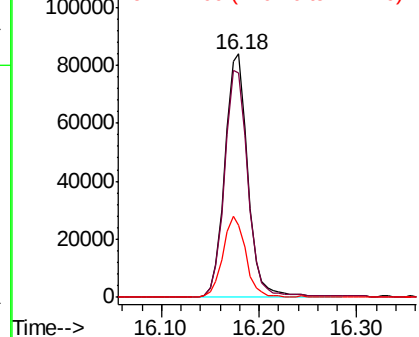
#42
 2,4,6-Tribromophenol
 Concen: 139.733 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.9	115.3
141	33.2	28.8	43.2

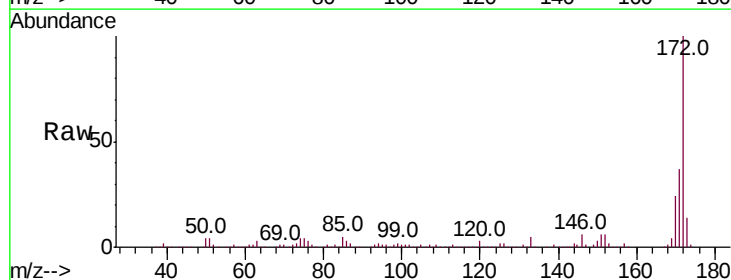


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

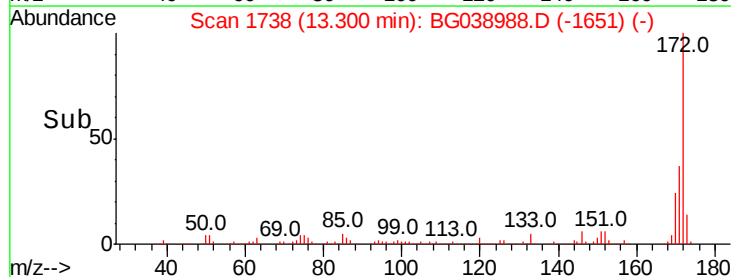
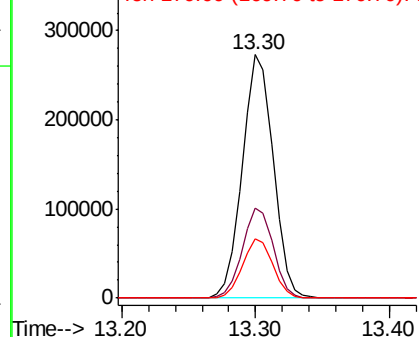


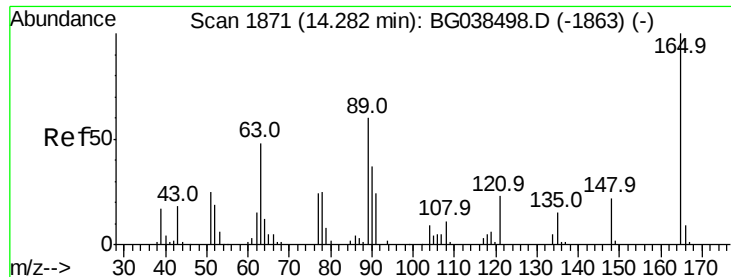
#45
 2-Fluorobiphenyl
 Concen: 83.714 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	24.3	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

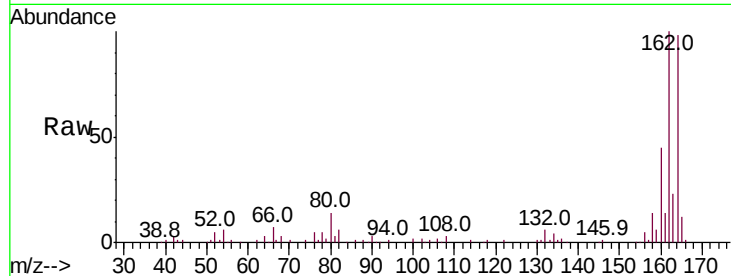




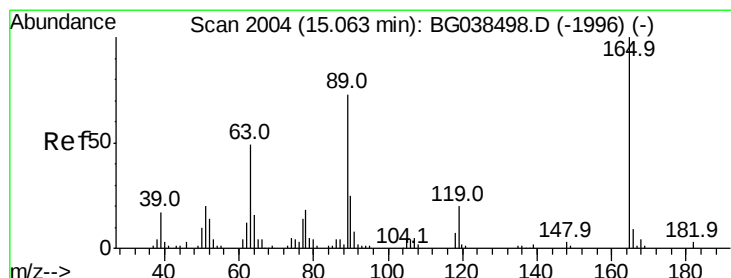
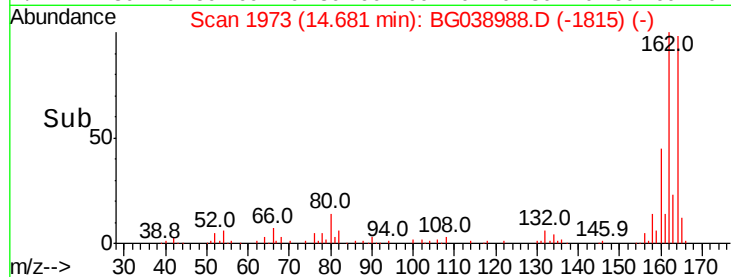
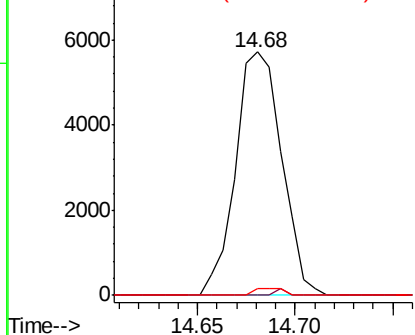
#51
 2,6-Dinitrotoluene
 Concen: 7.075 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	2.9	47.9	71.9#



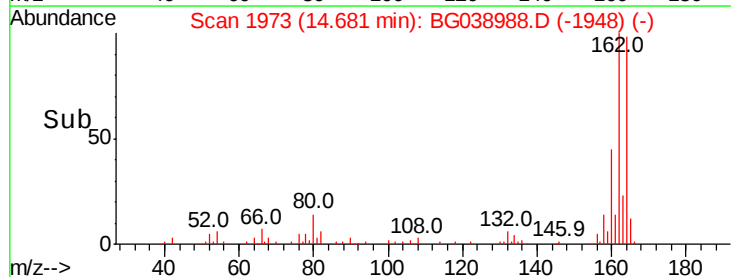
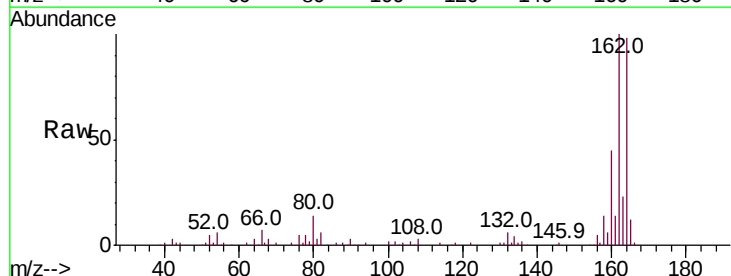
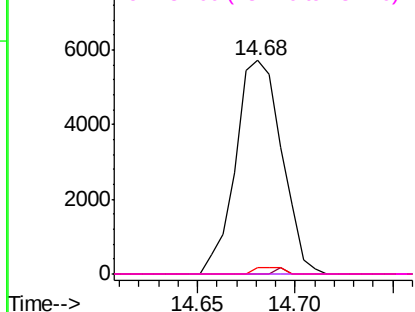
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

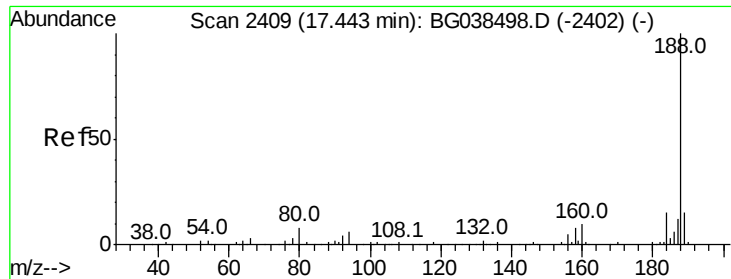


#57
 2,4-Dinitrotoluene
 Concen: 5.023 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.9	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

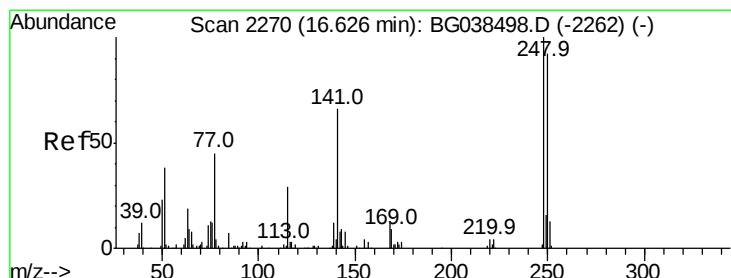
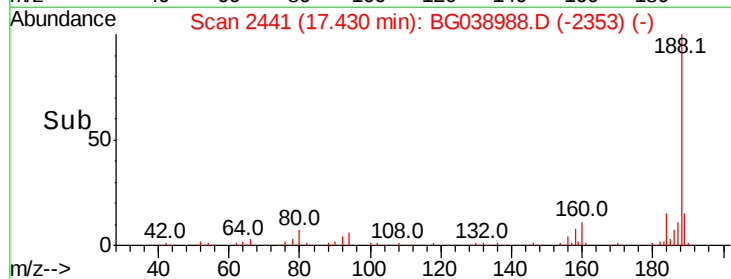
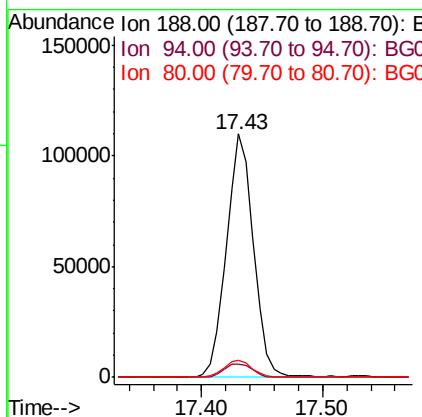
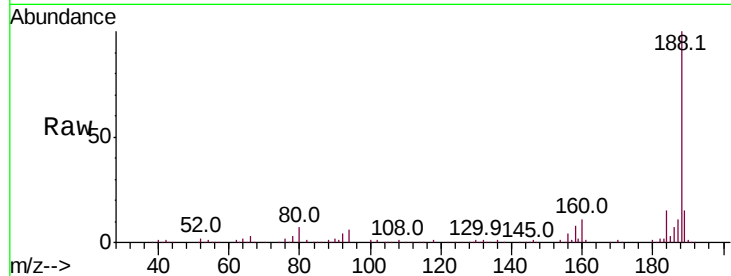




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

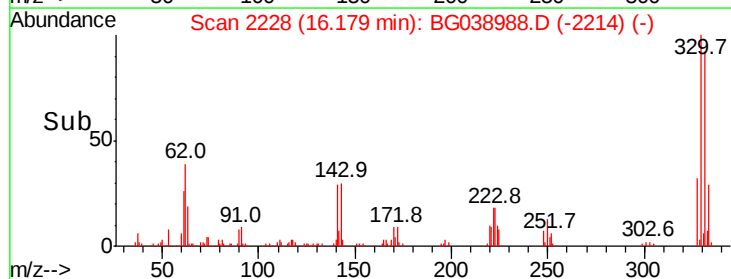
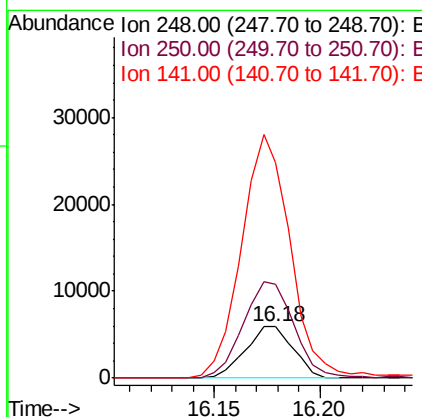
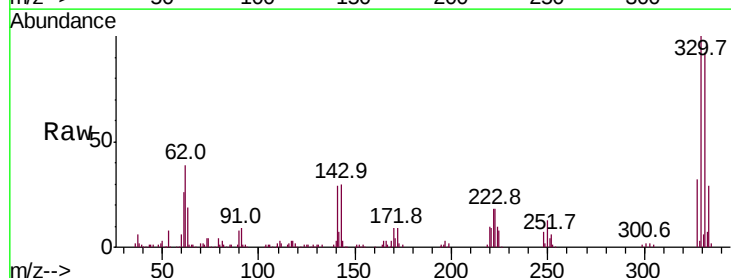
Instrument :
 BNA_G
 ClientSampled :

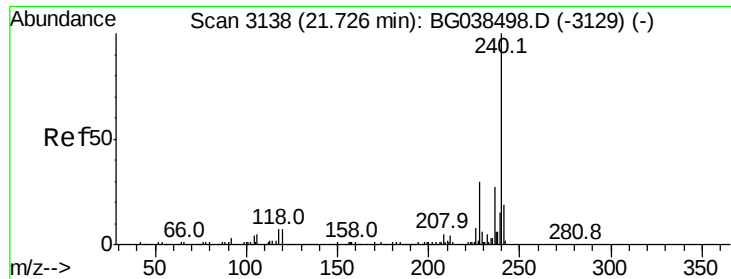
Tot Ion:188 Resp: 170785
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.1 7.7
 80 7.0 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.442 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Tgt Ion:248 Resp: 9264
 Ion Ratio Lower Upper
 248 100
 250 149.4 73.4 110.2#
 141 342.8 52.9 79.3#

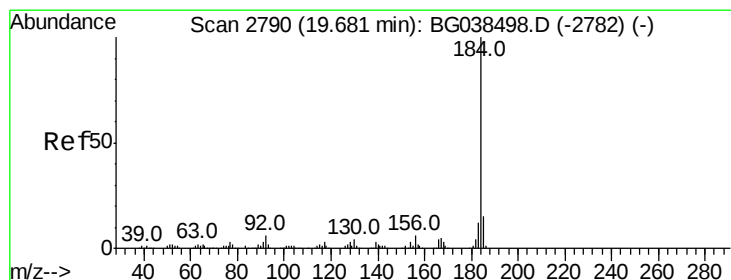
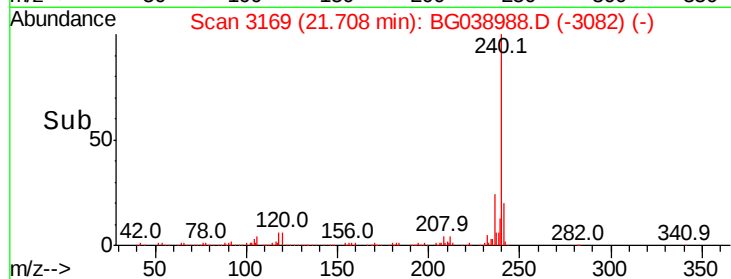
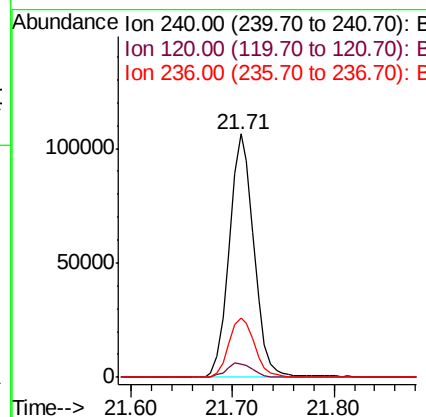
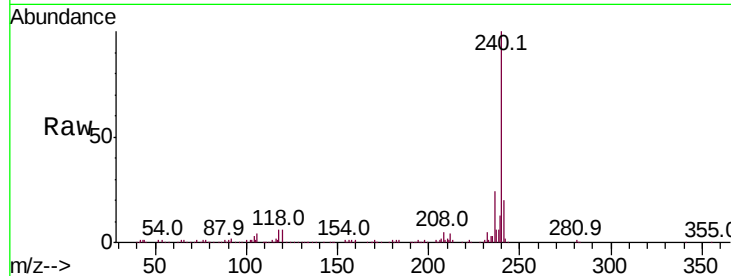




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

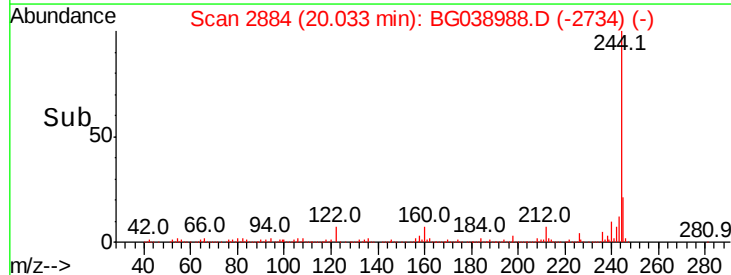
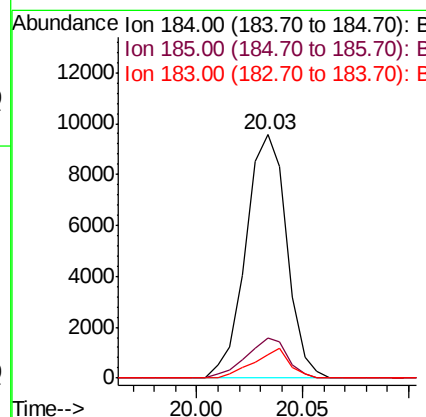
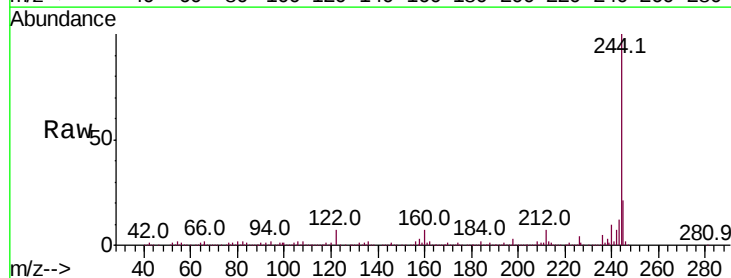
Instrument :
 BNA_G
 ClientSampleId :

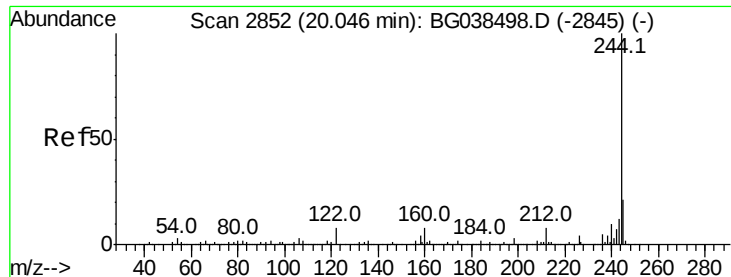
Tot Ion:240 Resp: 179527
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.3 7.9
 236 24.4 21.4 32.2



#77
 Benzidine
 Concen: 2.421 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.35 min
 Lab File: BG038988.D
 Acq: 8 Jan 2019 7:01

Tgt Ion:184 Resp: 12856
 Ion Ratio Lower Upper
 184 100
 185 16.5 12.2 18.2
 183 9.7 9.6 14.4





#79

Terphenyl-d14

Concen: 95.778 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

Instrument :

BNA_G

ClientSampleId :

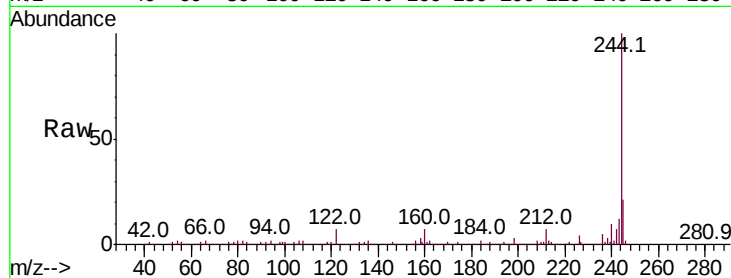
Tot Ion:244 Resp: 790079

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

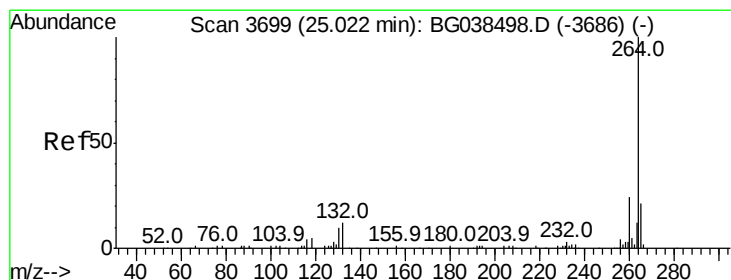
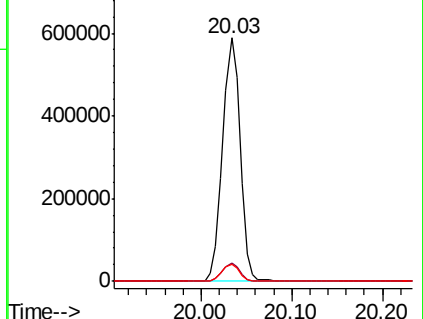
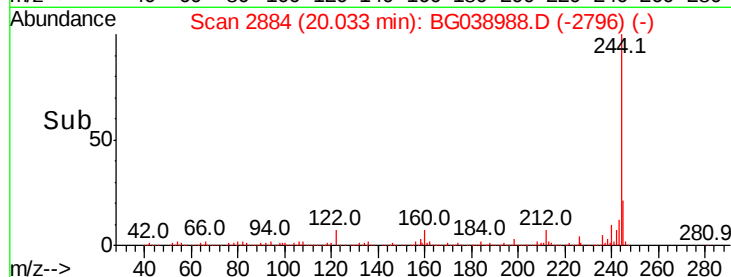
122 7.0 6.3 9.5



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

Perylene-d12

Concen: 20.000 ng

RT: 25.00 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG038988.D

Acq: 8 Jan 2019 7:01

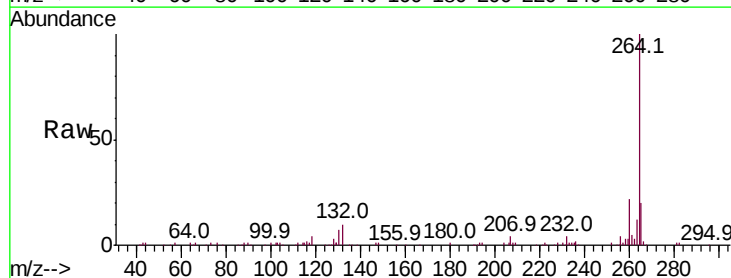
Tgt Ion:264 Resp: 188359

Ion Ratio Lower Upper

264 100

260 22.1 18.9 28.3

265 20.0 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

