

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038989.D
 Acq On : 8 Jan 2019 7:40
 Operator : JU/SJ
 Sample : K1066-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 08:15:55 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

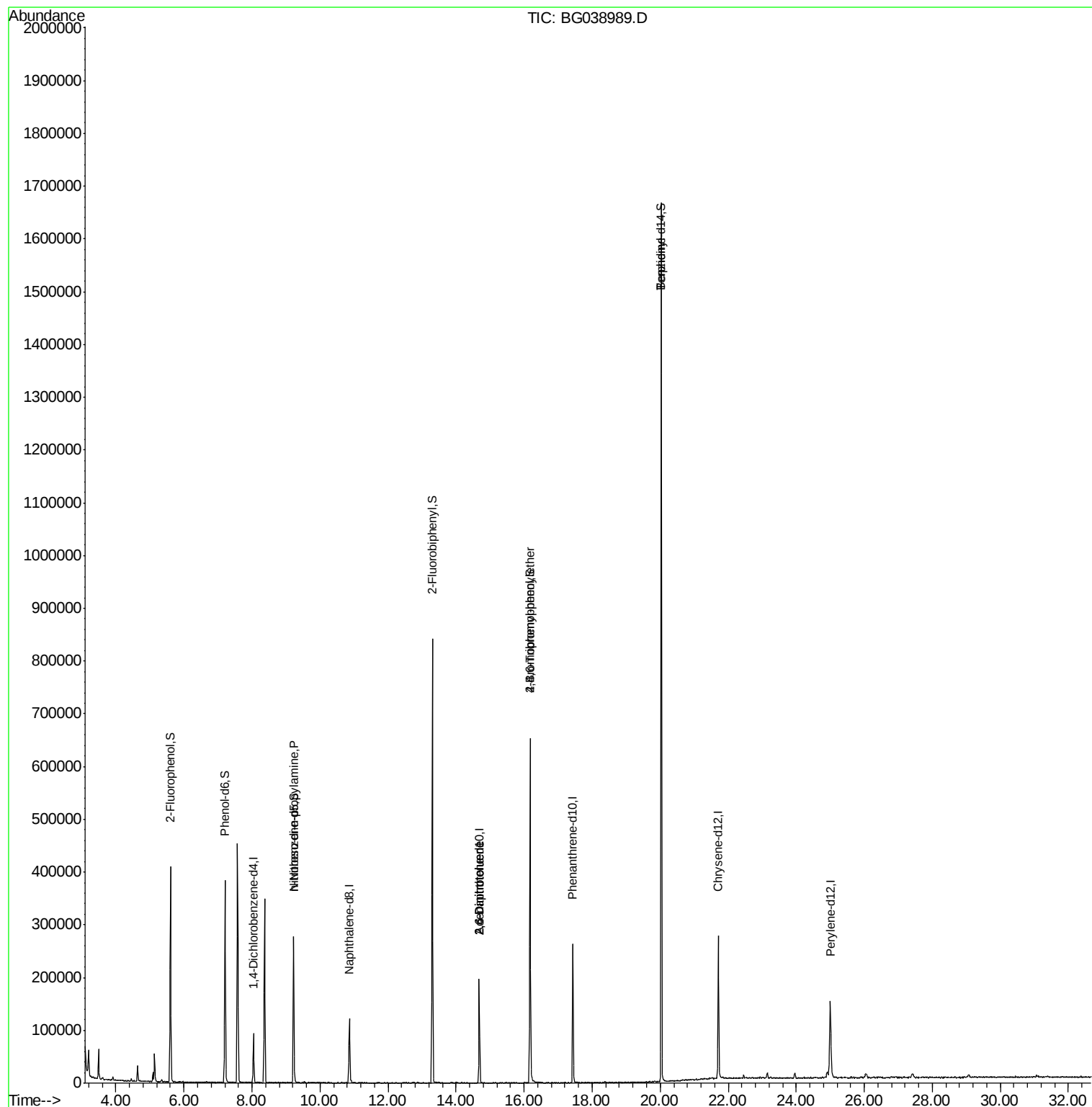
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28124	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	108795	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	74173	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	180346	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	183353	20.00	ng	-0.02
87) Perylene-d12	25.00	264	187539	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177148	111.72	ng	0.00
7) Phenol-d6	7.21	99	219926	101.03	ng	0.00
23) Nitrobenzene-d5	9.22	82	169688	79.68	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	146341	143.16	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	471871	87.27	ng	-0.02
79) Terphenyl-d14	20.03	244	838180	99.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	22770	14.893	ng	# 65
51) 2,6-Dinitrotoluene	14.68	165	9404	6.851	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	9404	4.864	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9350	4.245	ng	# 1
77) Benzidine	20.03	184	13656	2.518	ng	97

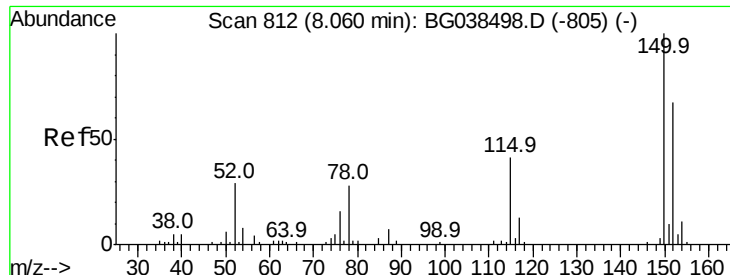
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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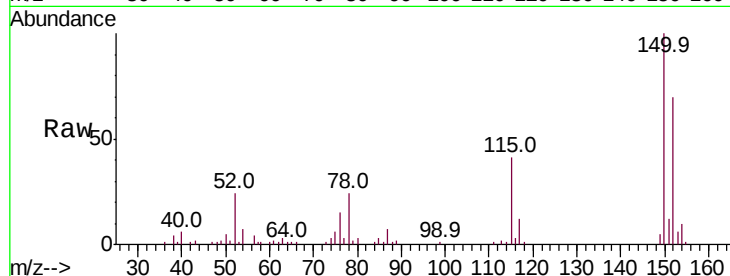


#1

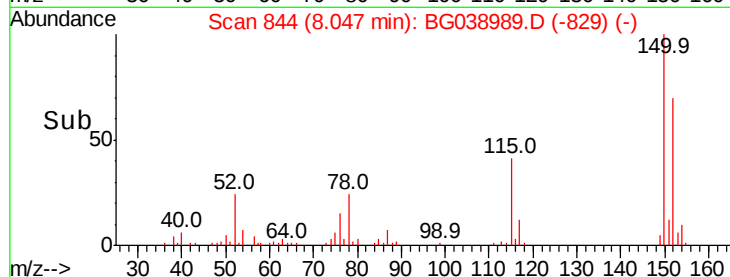
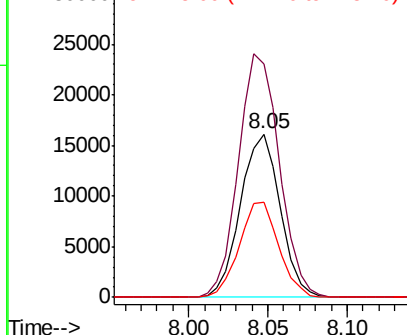
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28124
Ion Ratio Lower Upper
152 100
150 142.8 119.5 179.3
115 58.0 49.6 74.4



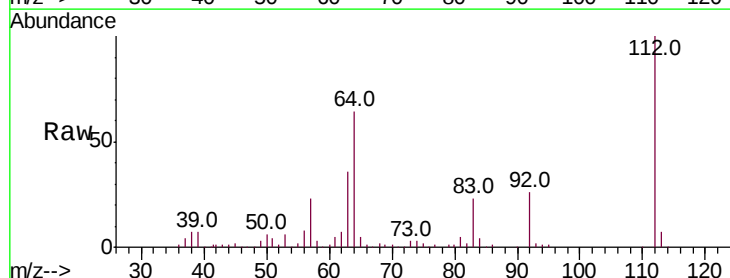
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



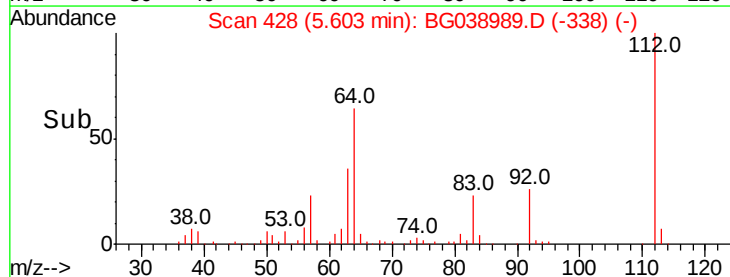
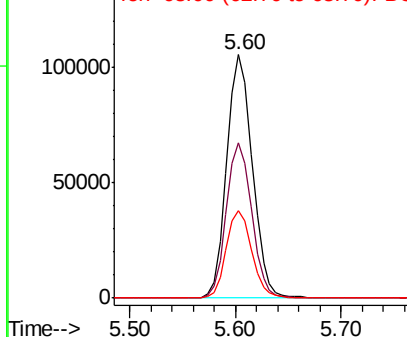
#5

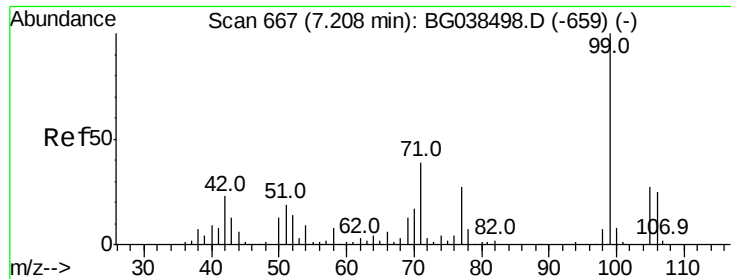
2-Fluorophenol
Concen: 111.719 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Tgt Ion:112 Resp: 177148
Ion Ratio Lower Upper
112 100
64 64.0 53.4 80.2
63 35.8 29.3 43.9



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: 101.032 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

Instrument :

BNA_G

ClientSampleId :

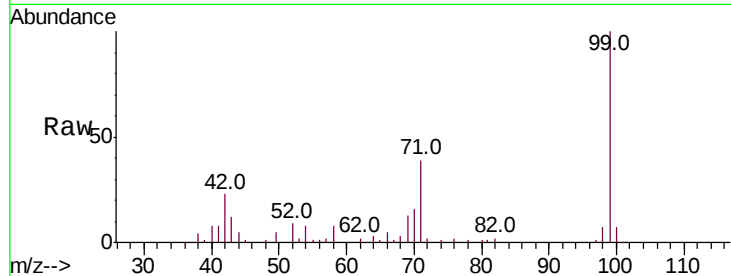
Tot Ion: 99 Resp: 219926

Ion Ratio Lower Upper

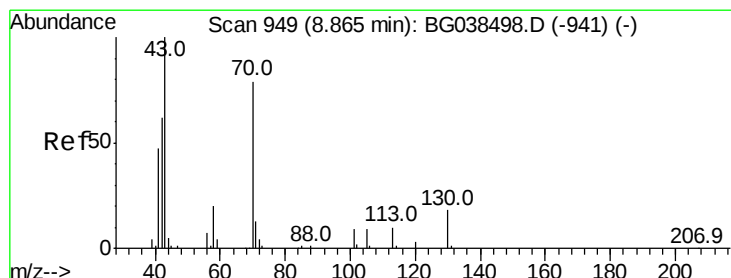
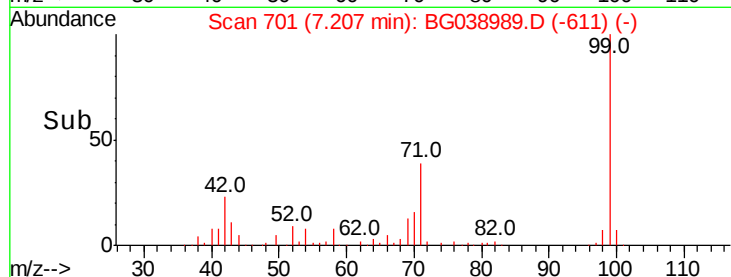
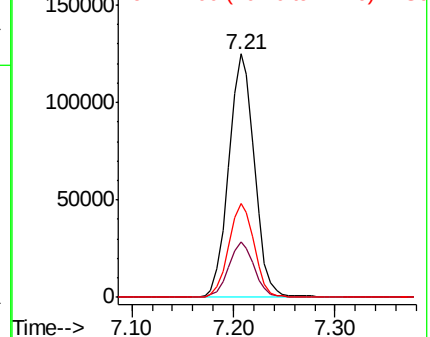
99 100

42 22.6 18.5 27.7

71 38.5 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: 14.893 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

Tgt Ion: 70 Resp: 22770

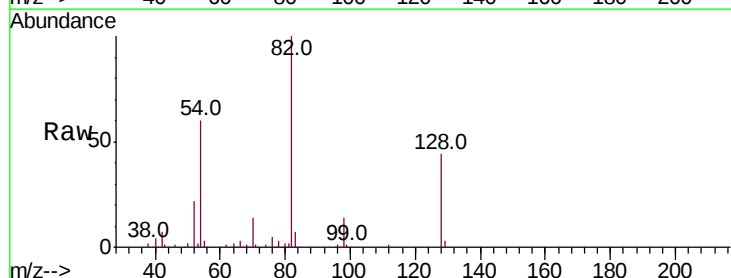
Ion Ratio Lower Upper

70 100

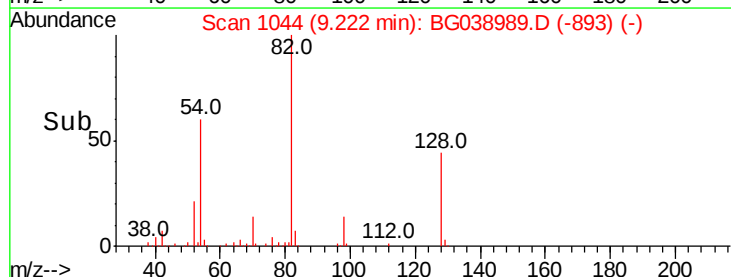
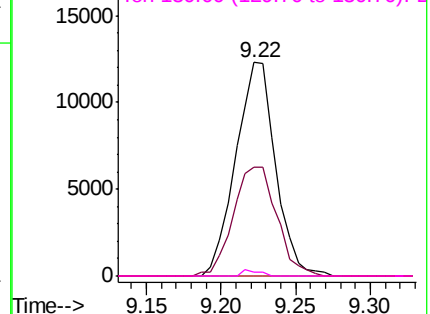
42 50.9 63.6 95.4#

101 0.0 9.2 13.8#

130 1.6 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

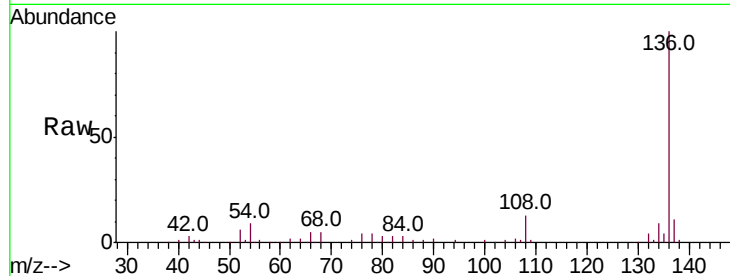




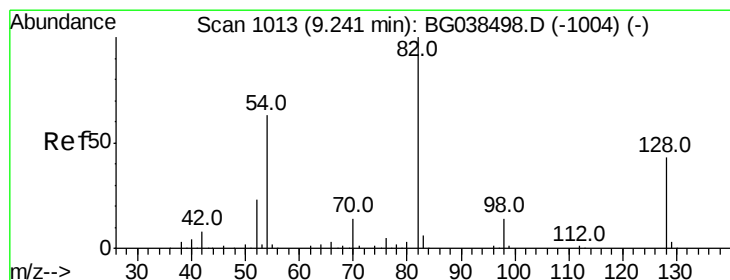
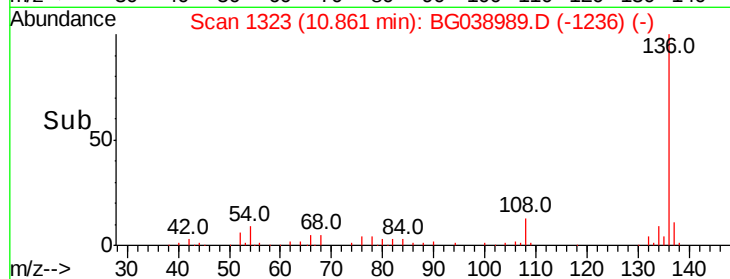
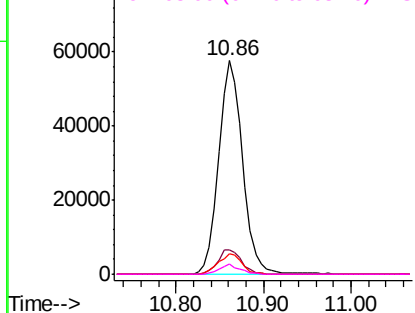
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	108795
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	9.4	8.5	12.7
68	4.7	3.5	5.3

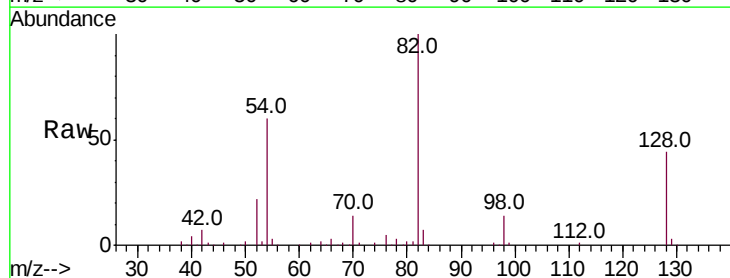


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

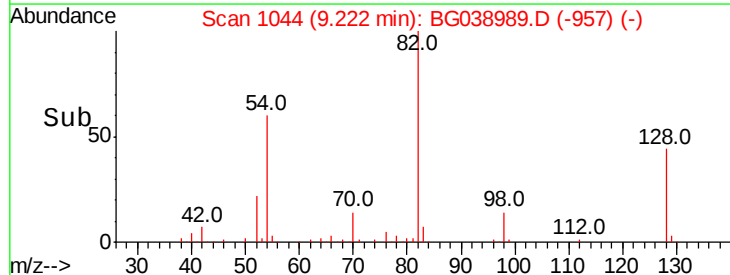
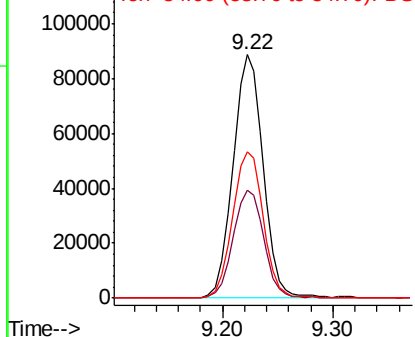


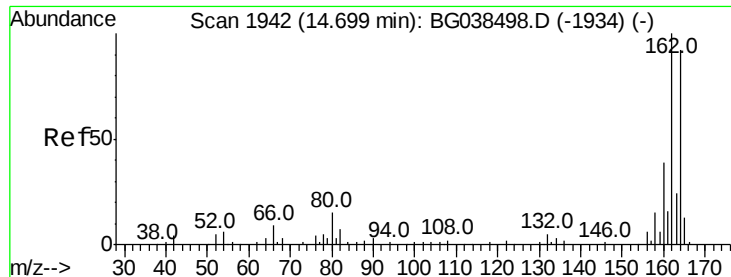
#23
Nitrobenzene-d5
Concen: 79.681 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Tgt Ion:	82	Resp:	169688
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.6	52.0
54	60.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

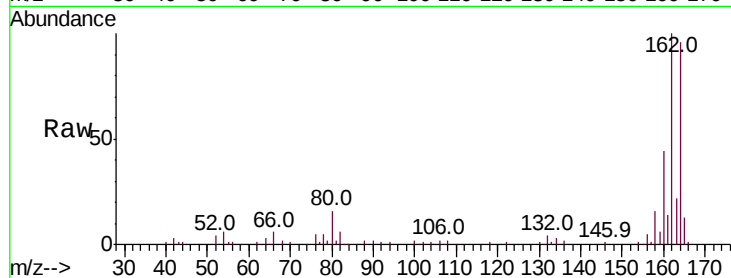
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 74173

Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.6	130.0
160	45.7	34.2	51.2

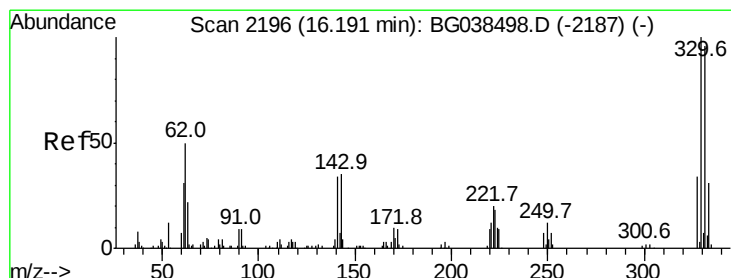
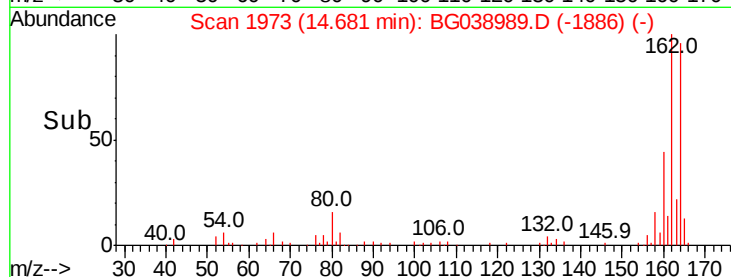
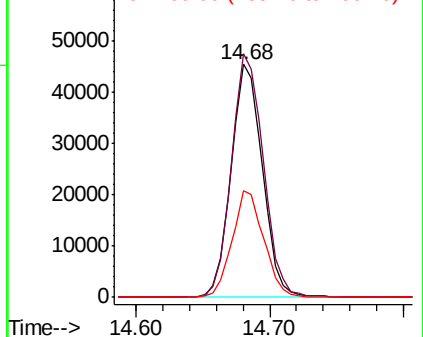


Abundance

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: 143.158 ng

RT: 16.18 min Scan# 2228

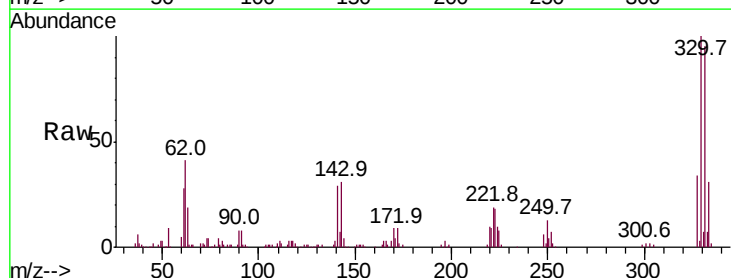
Delta R.T. -0.01 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

Tgt Ion:330 Resp: 146341

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.9	115.3
141	32.5	28.8	43.2

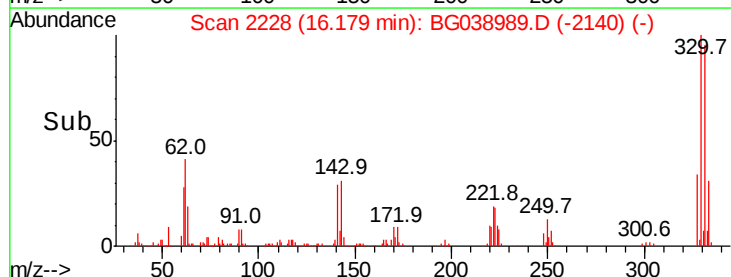
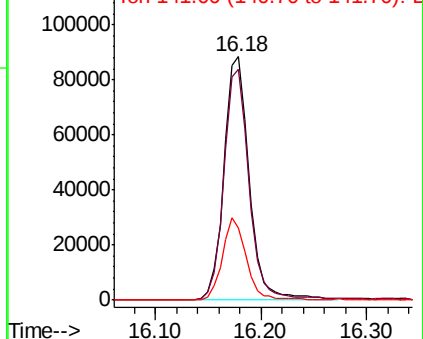


Abundance

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

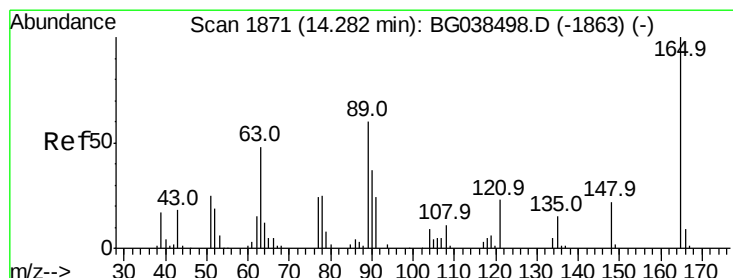
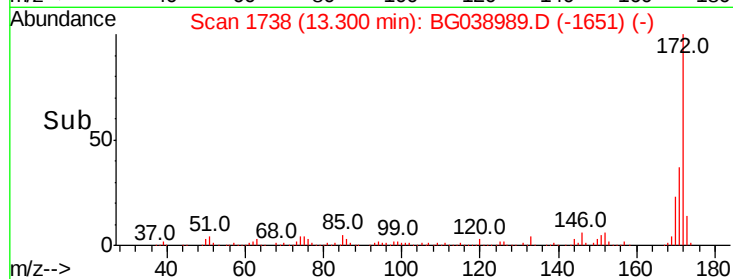
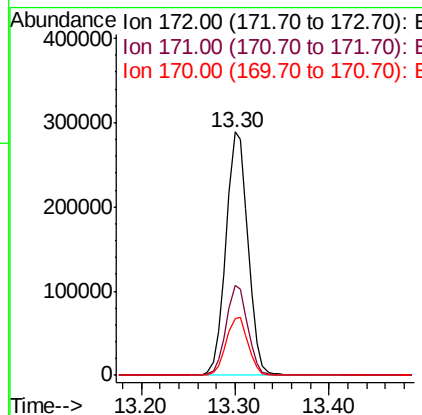
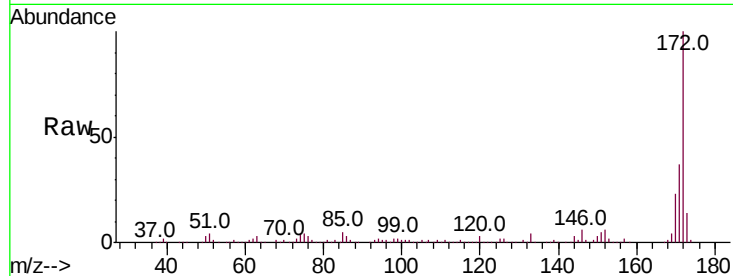




#45
 2-Fluorobiphenyl
 Concen: 87.274 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038989.D
 Acq: 8 Jan 2019 7:40

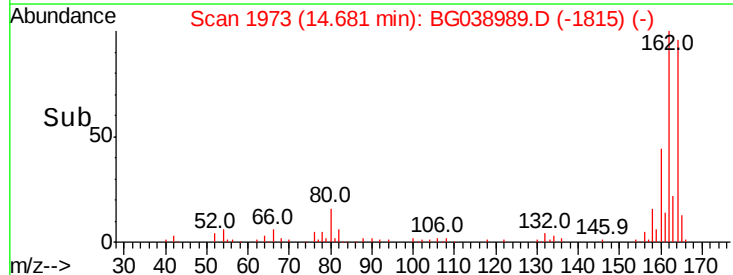
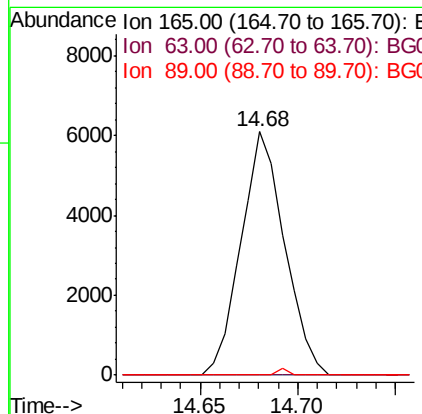
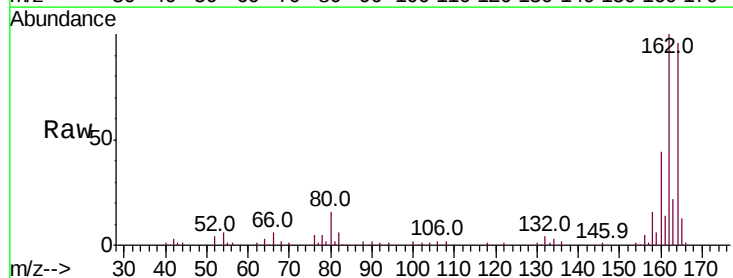
Instrument :
 BNA_G
 ClientSampleId :

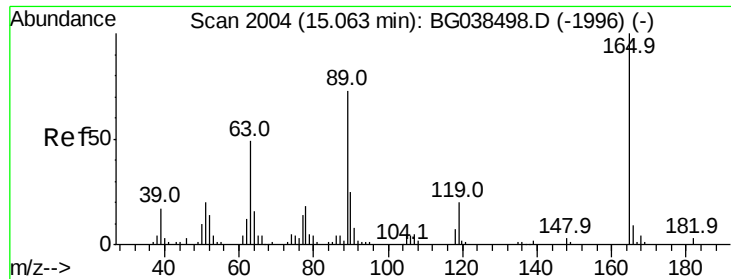
Tot Ion:172 Resp: 471871
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 23.4 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.851 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038989.D
 Acq: 8 Jan 2019 7:40

Tgt Ion:165 Resp: 9404
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

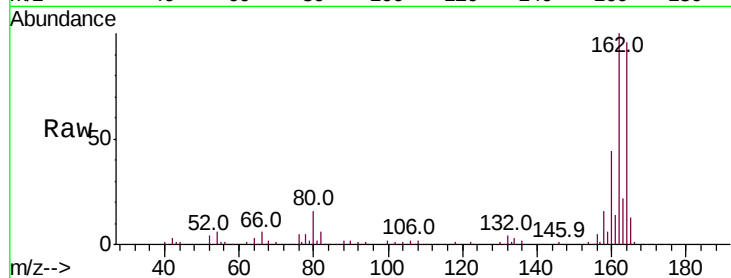




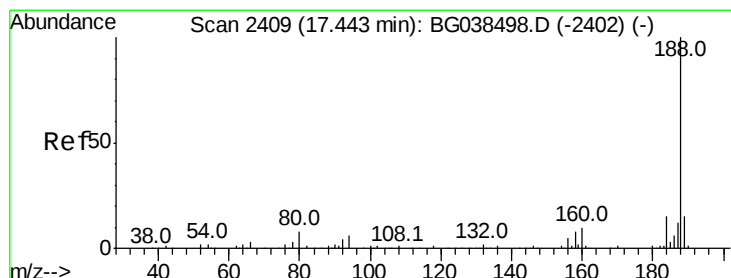
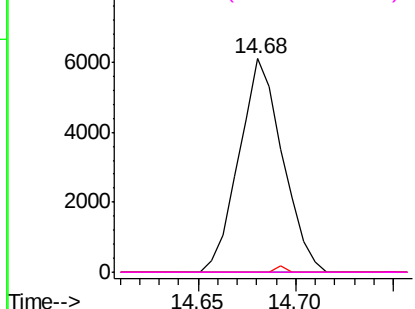
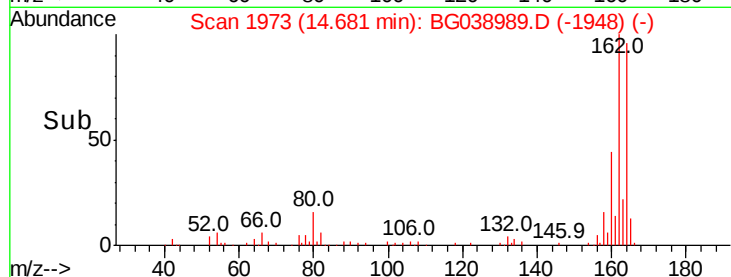
#57
 2,4-Dinitrotoluene
 Concen: 4.864 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038989.D
 Acq: 8 Jan 2019 7:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9404
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#

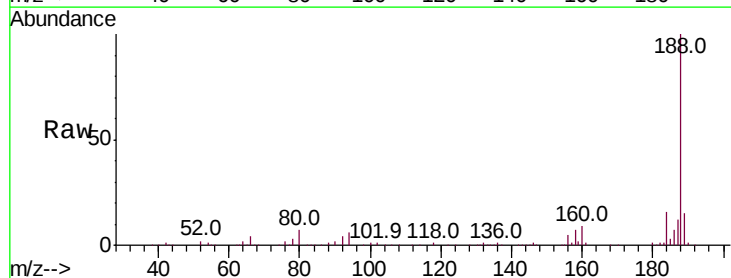


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

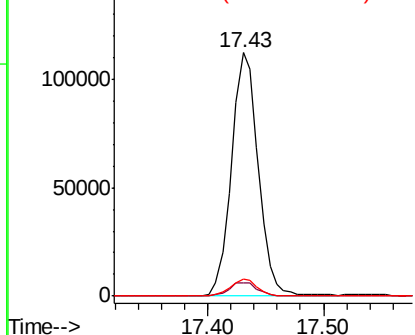
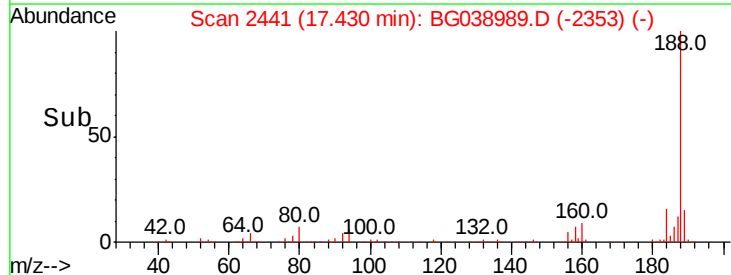


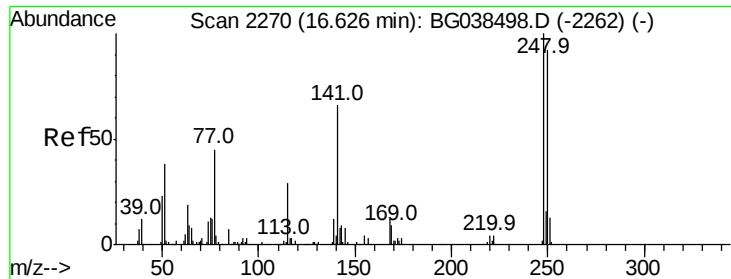
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038989.D
 Acq: 8 Jan 2019 7:40

Tgt Ion:188 Resp: 180346
 Ion Ratio Lower Upper
 188 100
 94 5.5 5.1 7.7
 80 6.7 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

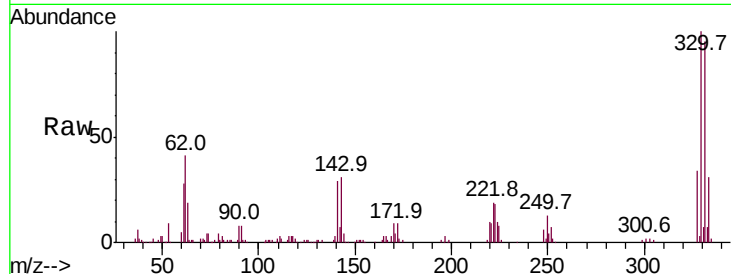




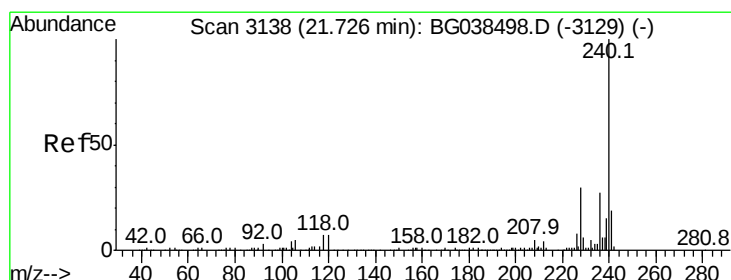
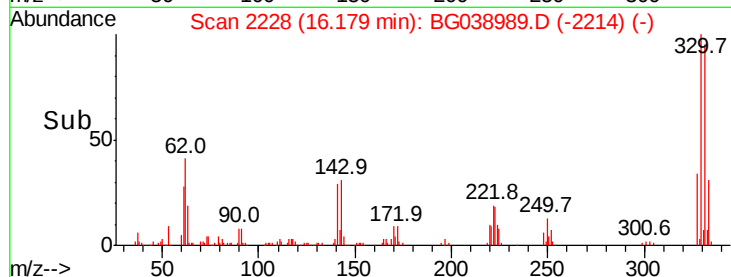
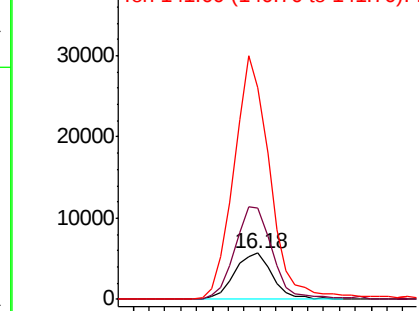
#67
4-Bromophenyl-phenylether
Concen: 4.245 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9350
Ion Ratio Lower Upper
248 100
250 257.8 73.4 110.2#
141 455.4 52.9 79.3#

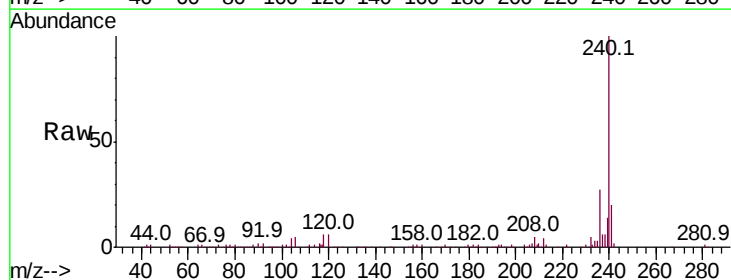


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

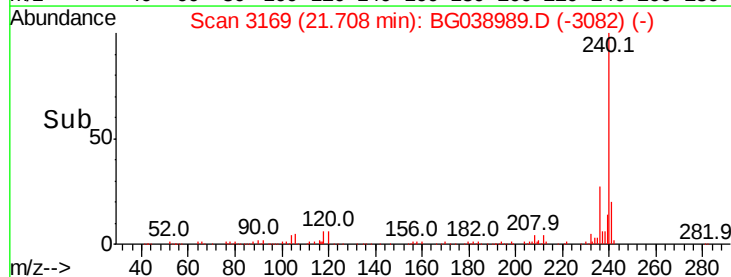
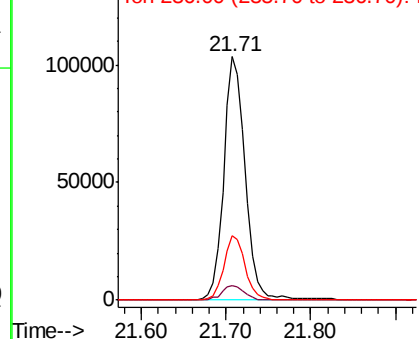


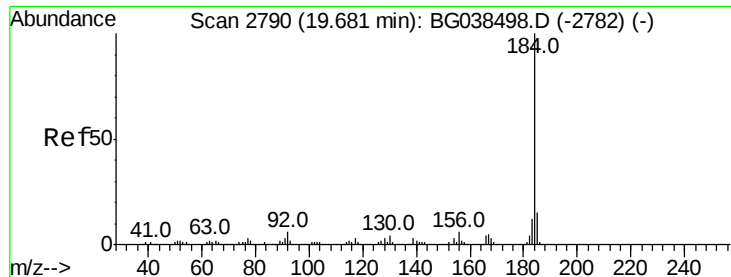
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.02 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Tgt Ion:240 Resp: 183353
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 26.6 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: 2.518 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

Instrument :

BNA_G

ClientSampled :

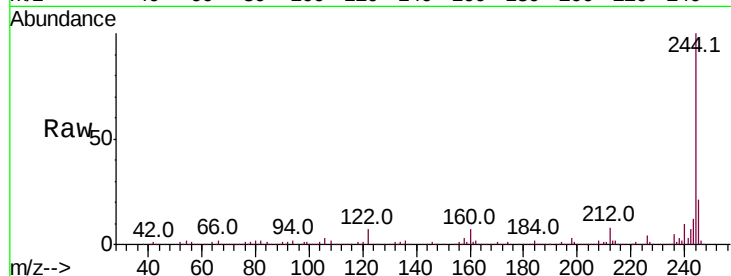
Tot Ion:184 Resp: 13656

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

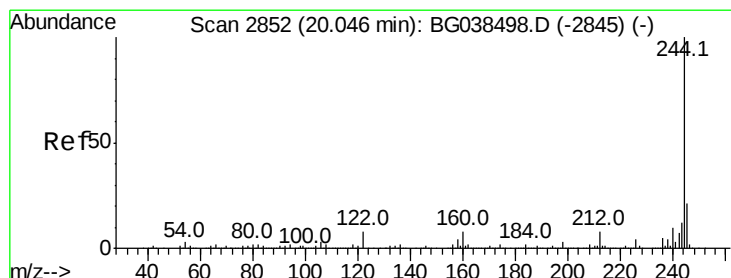
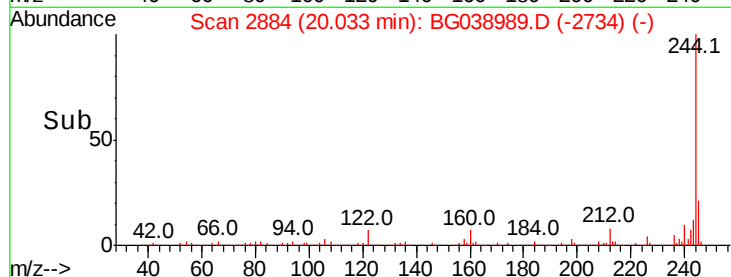
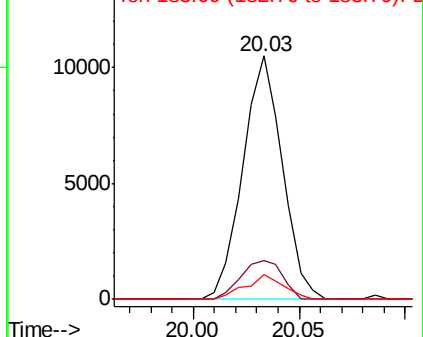
183 10.0 9.6 14.4



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: 99.489 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038989.D

Acq: 8 Jan 2019 7:40

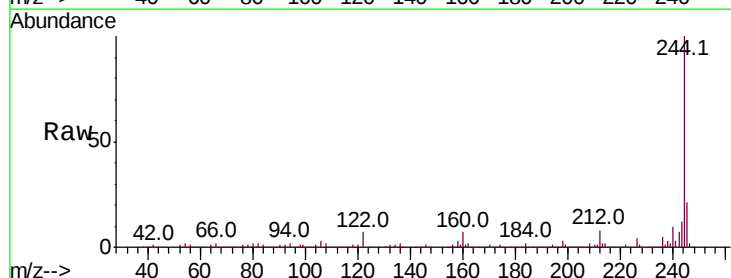
Tgt Ion:244 Resp: 838180

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

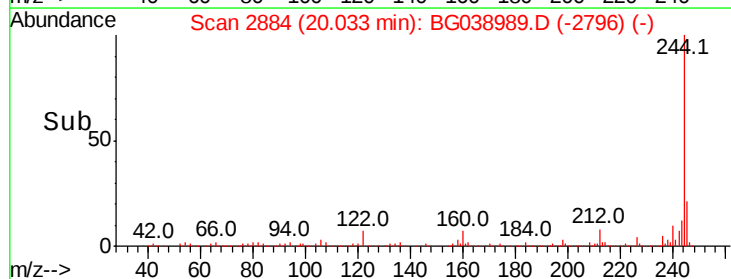
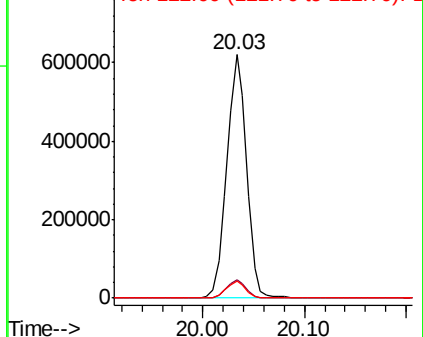
122 6.8 6.3 9.5

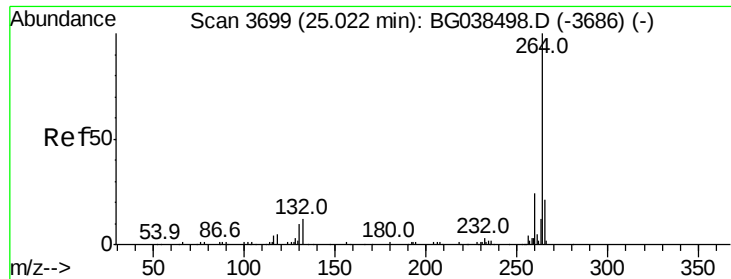


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3729
Delta R.T. -0.02 min
Lab File: BG038989.D
Acq: 8 Jan 2019 7:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	20.5	17.0	25.4

