

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038946.D
 Acq On : 5 Jan 2019 1:41
 Operator : JU/SJ
 Sample : PB116172TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 03:04:51 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

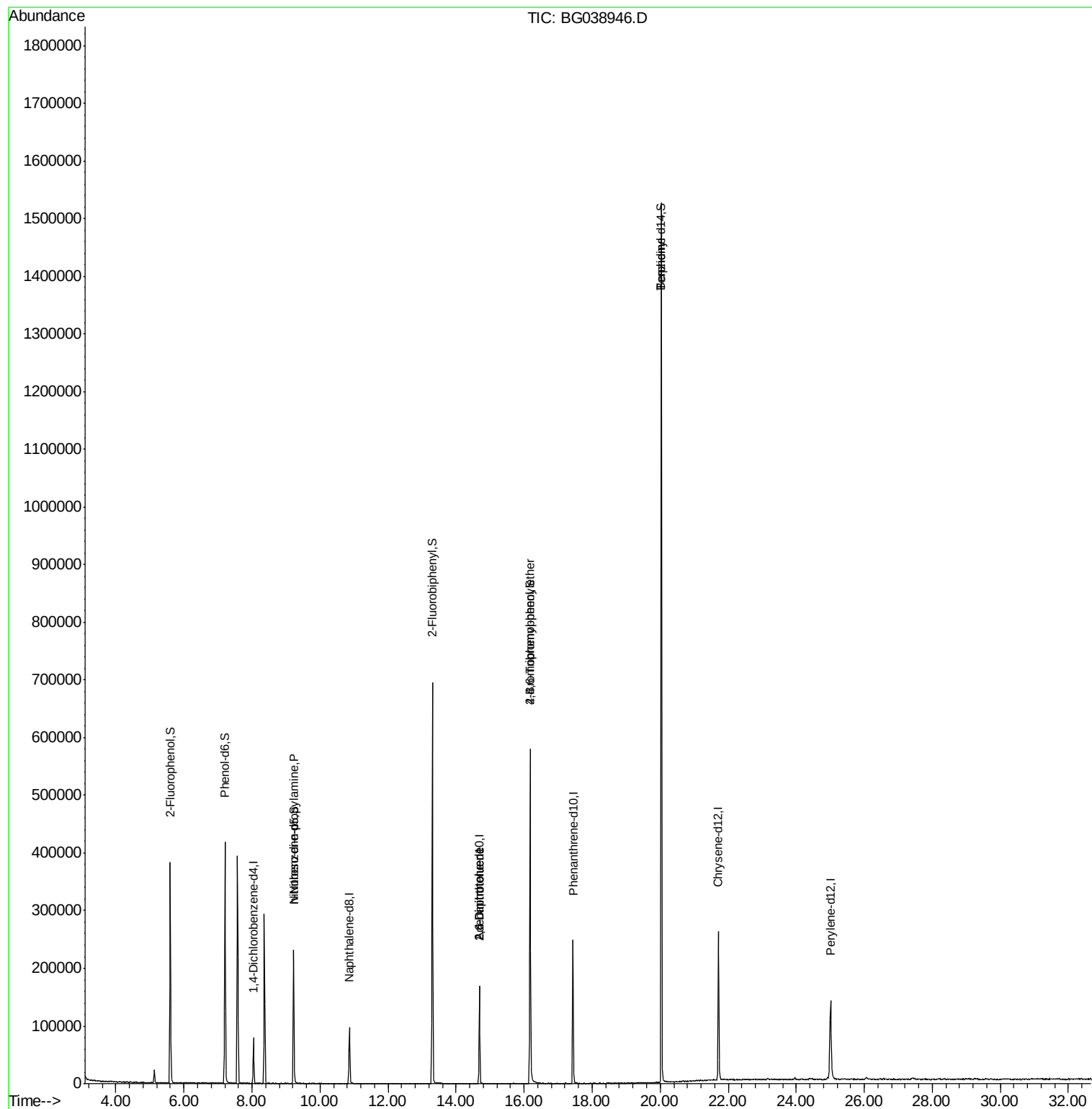
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	23144	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	90861	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	65196	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	173193	20.00	ng	0.00
76) Chrysene-d12	21.71	240	184272	20.00	ng	-0.01
87) Perylene-d12	25.01	264	184619	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	175281	134.33	ng	0.00
7) Phenol-d6	7.21	99	241275	134.69	ng	0.00
23) Nitrobenzene-d5	9.22	82	141797	79.73	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	136522	151.94	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	400130	84.19	ng	-0.01
79) Terphenyl-d14	20.04	244	818695	96.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	19314	15.351	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	8119	6.729	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8119	4.778	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	8810	4.165	ng	# 1
77) Benzidine	20.03	184	13337	2.447	ng	# 96

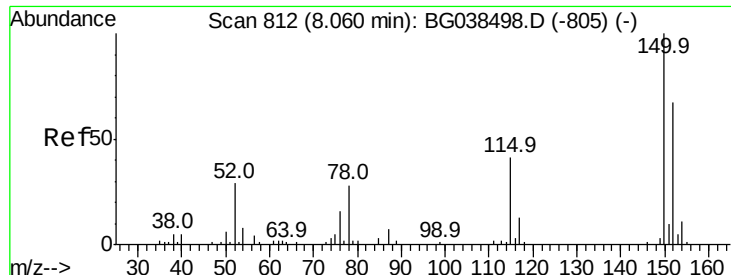
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



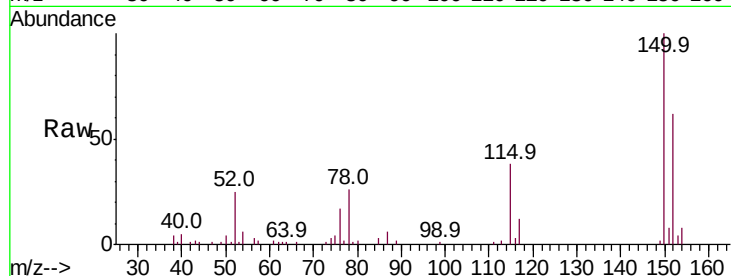


#1

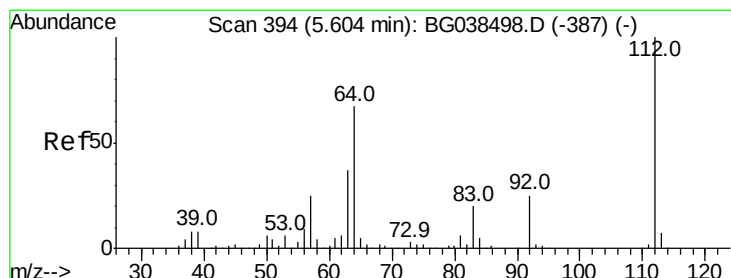
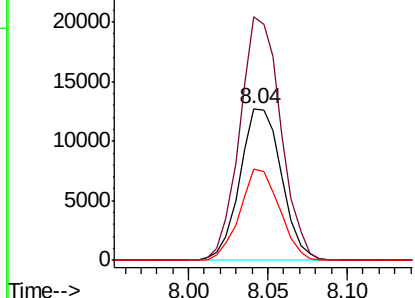
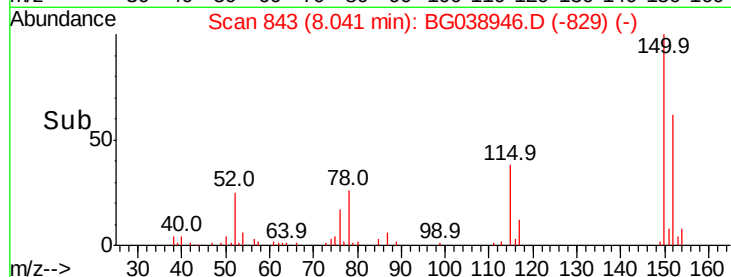
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038946.D
Acq: 5 Jan 2019 1:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 23144
Ion Ratio Lower Upper
152 100
150 160.8 119.5 179.3
115 60.7 49.6 74.4



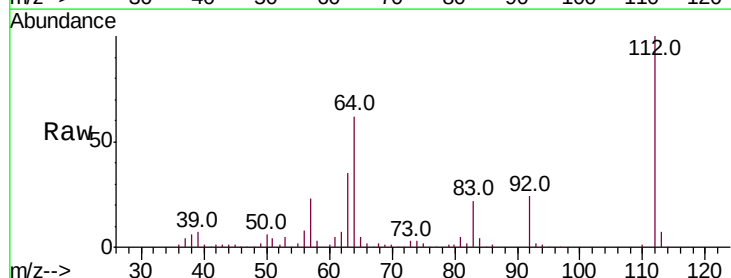
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



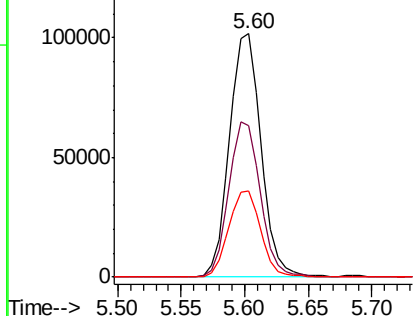
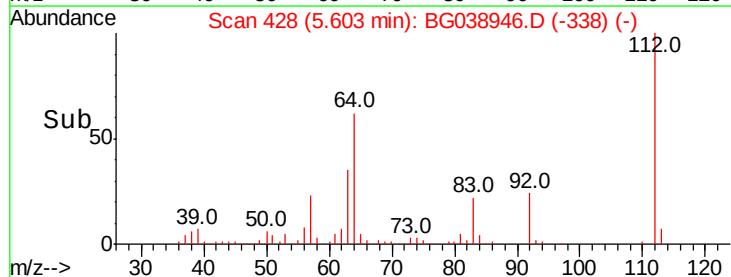
#5

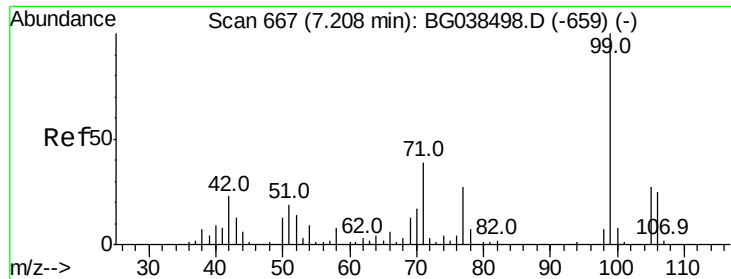
2-Fluorophenol
Concen: 134.327 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038946.D
Acq: 5 Jan 2019 1:41

Tgt Ion:112 Resp: 175281
Ion Ratio Lower Upper
112 100
64 62.1 53.4 80.2
63 35.3 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: 134.689 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Instrument :

BNA_G

ClientSampleId :

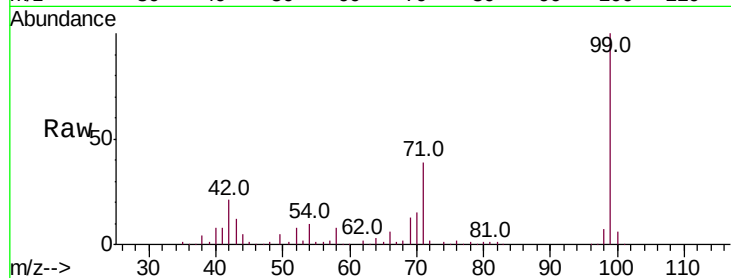
Tot Ion: 99 Resp: 241275

Ion Ratio Lower Upper

99 100

42 21.3 18.5 27.7

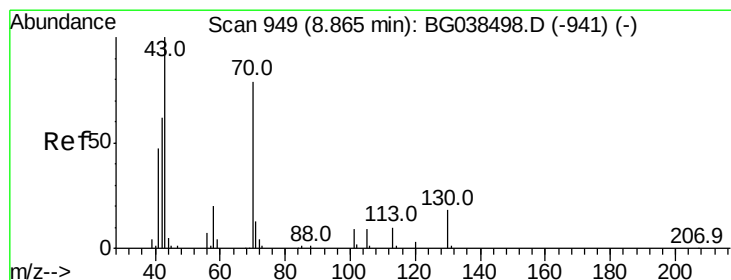
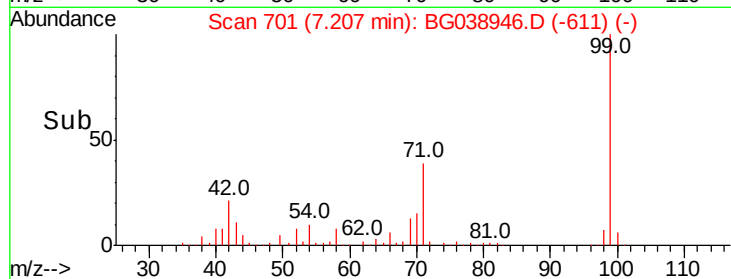
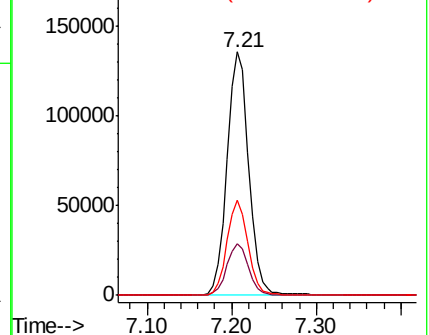
71 39.3 31.1 46.7



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: 15.351 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Tgt Ion: 70 Resp: 19314

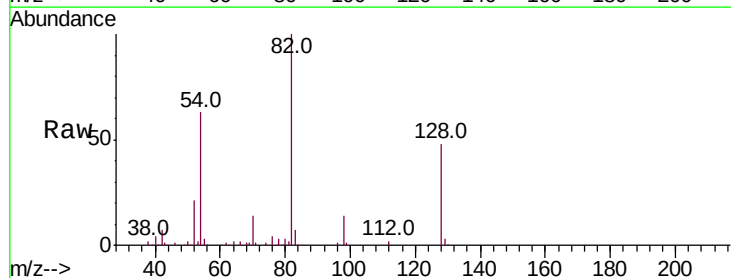
Ion Ratio Lower Upper

70 100

42 51.5 63.6 95.4#

101 0.0 9.2 13.8#

130 2.0 18.5 27.7#

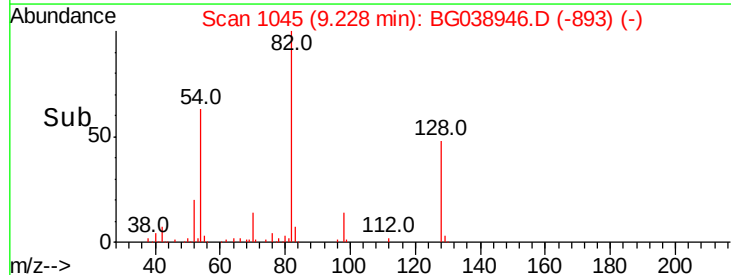
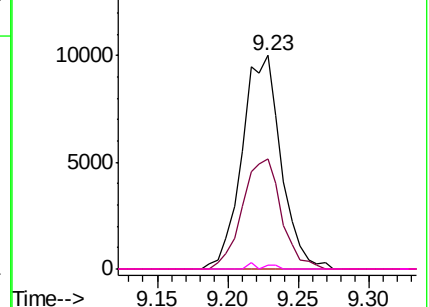


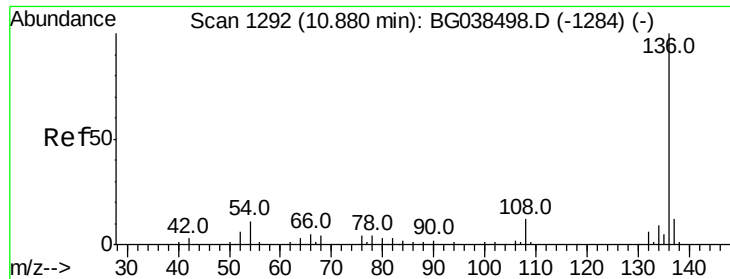
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

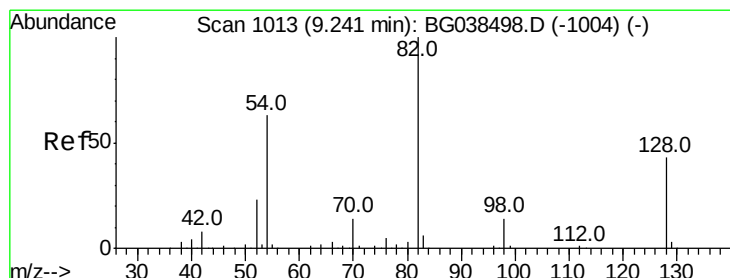
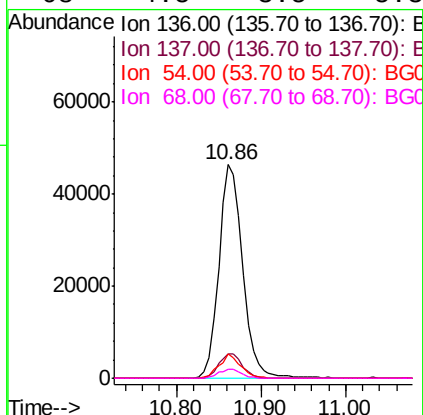
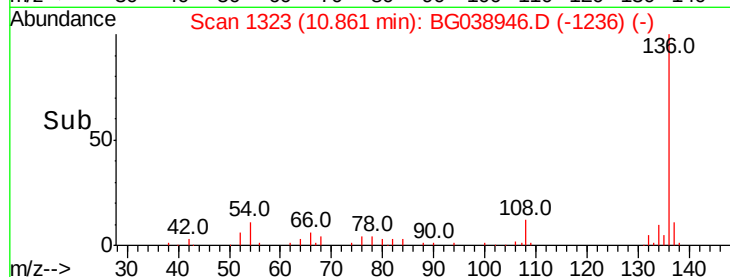
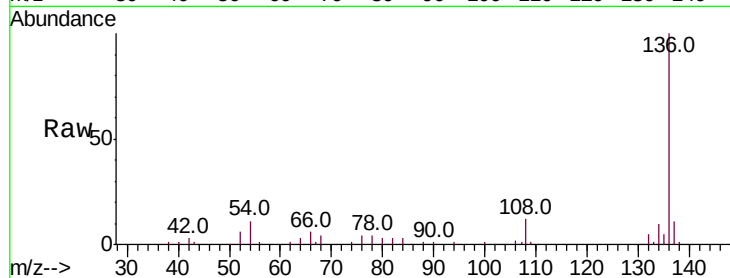




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038946.D
Acq: 5 Jan 2019 1:41

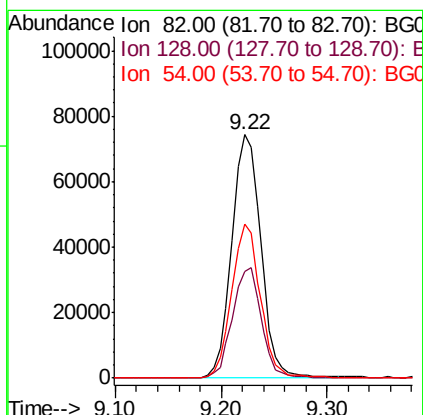
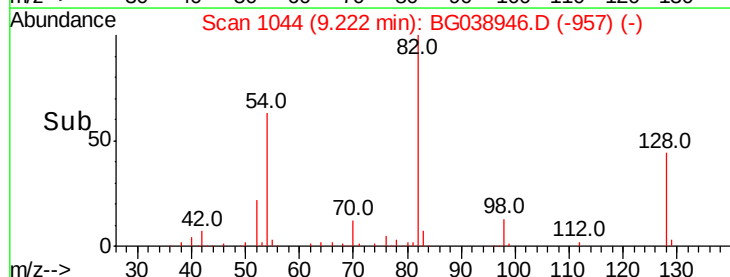
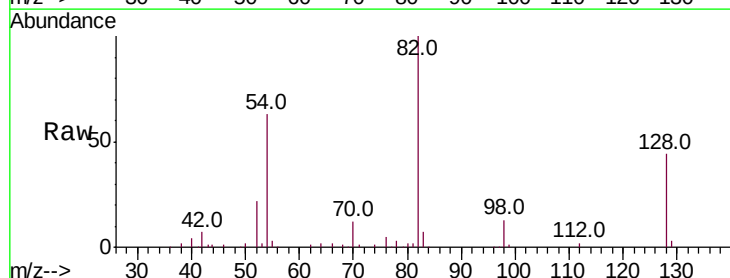
Instrument :
BNA_G
ClientSampleId :

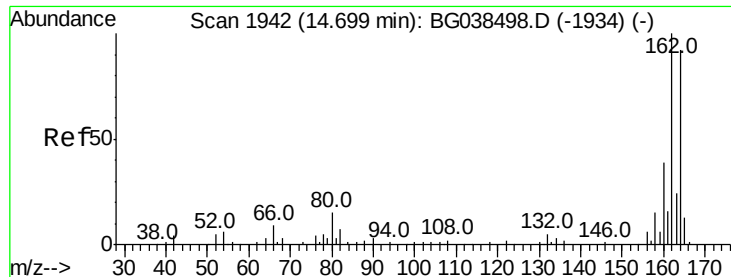
Tot Ion:	136	Resp:	90861
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	11.1	8.5	12.7
68	4.5	3.5	5.3



#23
Nitrobenzene-d5
Concen: 79.726 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038946.D
Acq: 5 Jan 2019 1:41

Tgt Ion:	82	Resp:	141797
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.6	52.0
54	63.3	50.6	76.0

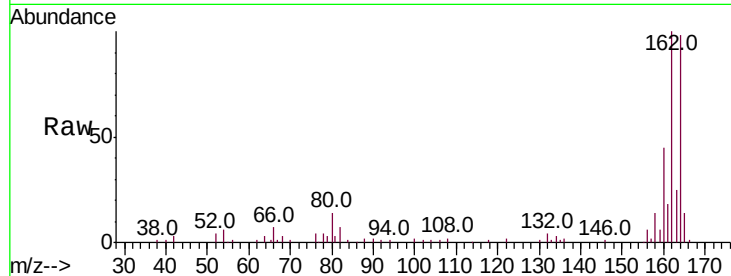




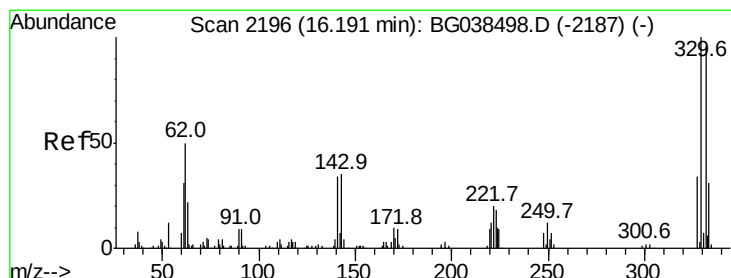
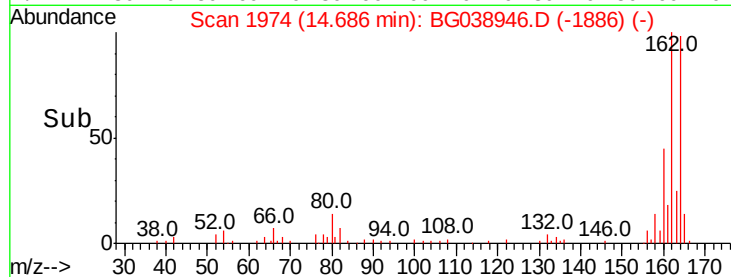
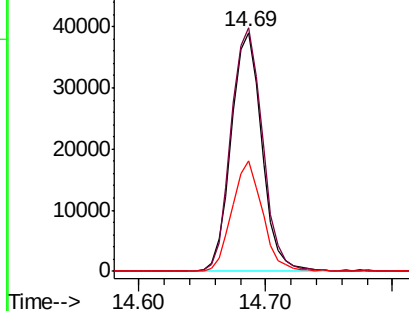
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 65196
 Ion Ratio Lower Upper
 164 100
 162 101.9 86.6 130.0
 160 46.0 34.2 51.2

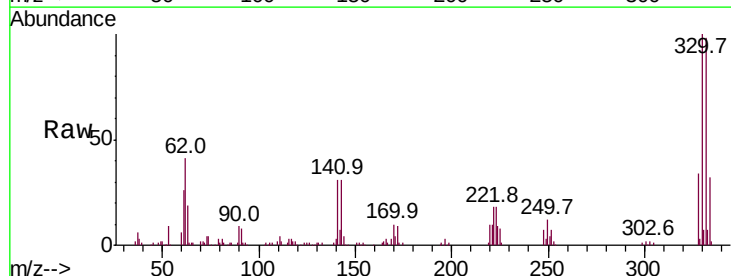


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

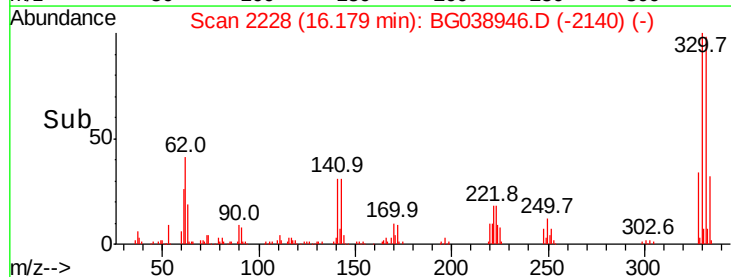
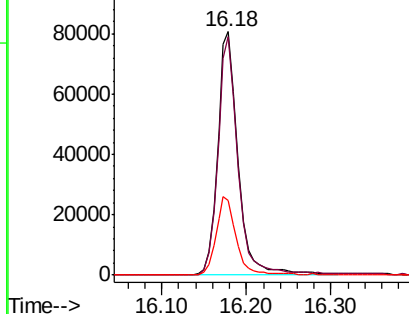


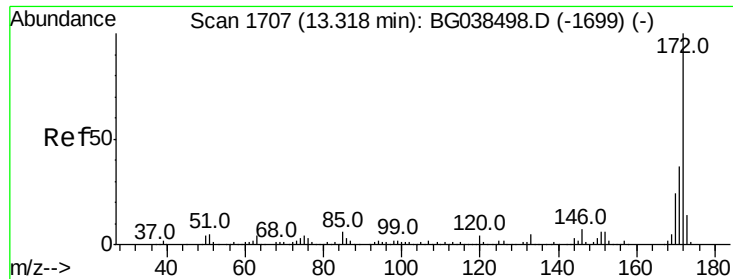
#42
 2,4,6-Tribromophenol
 Concen: 151.941 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Tgt Ion:330 Resp: 136522
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.9 115.3
 141 31.5 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

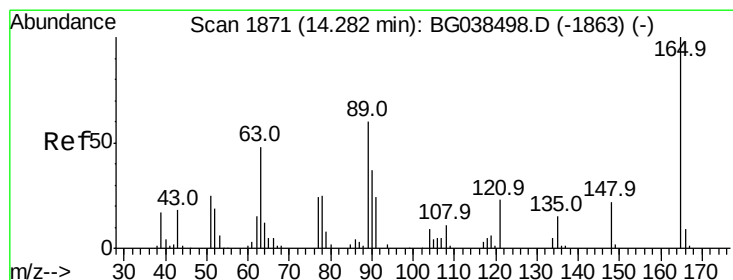
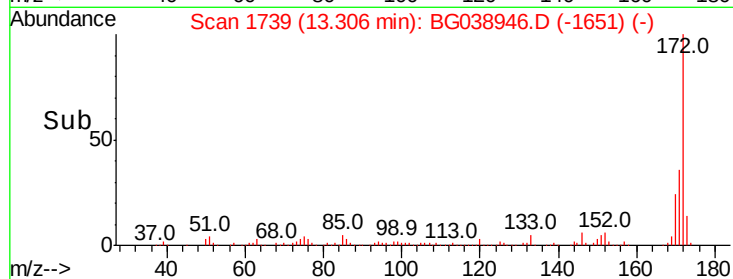
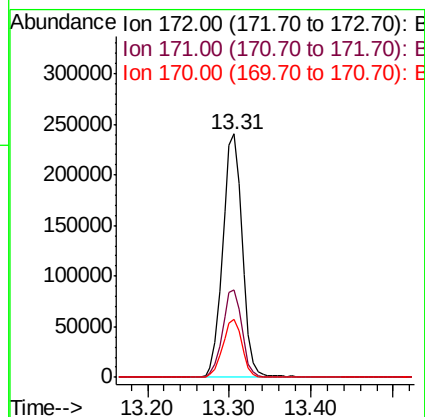
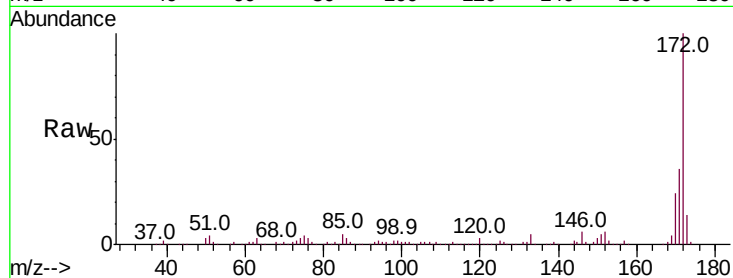




#45
 2-Fluorobiphenyl
 Concen: 84.195 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

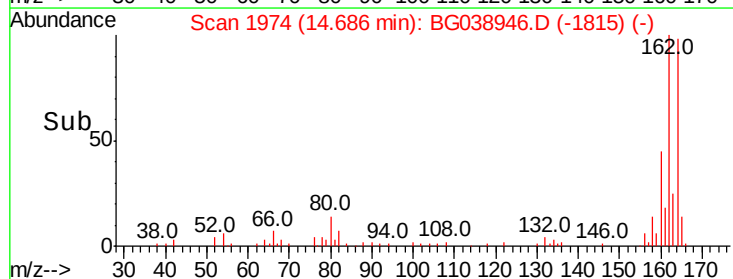
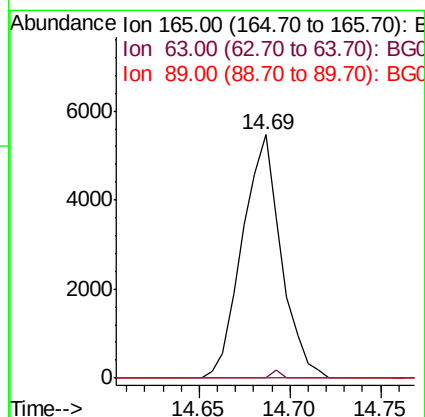
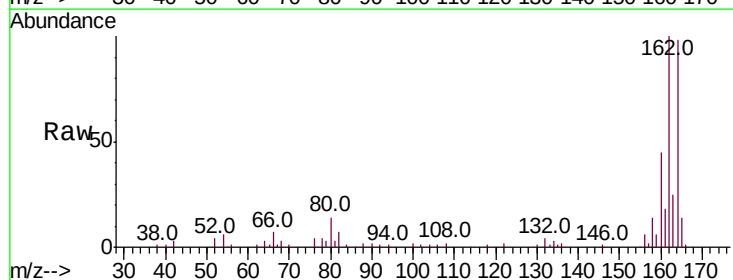
Instrument :
 BNA_G
 ClientSampleId :

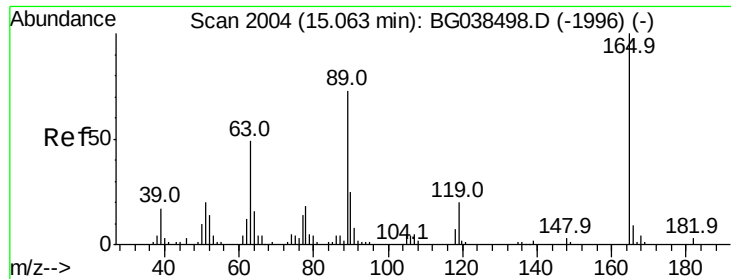
Tot Ion:172 Resp: 400130
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.8 44.6
 170 23.9 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.729 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Tgt Ion:165 Resp: 8119
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

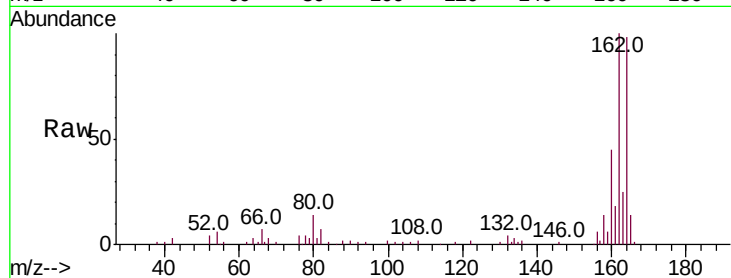




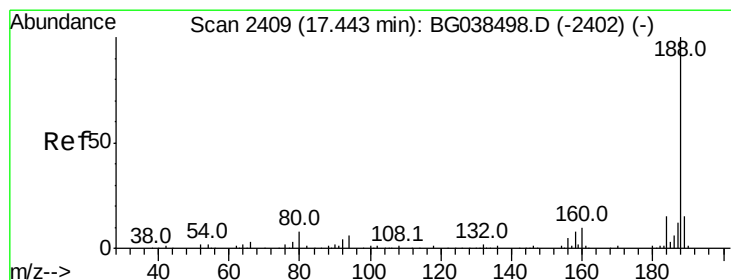
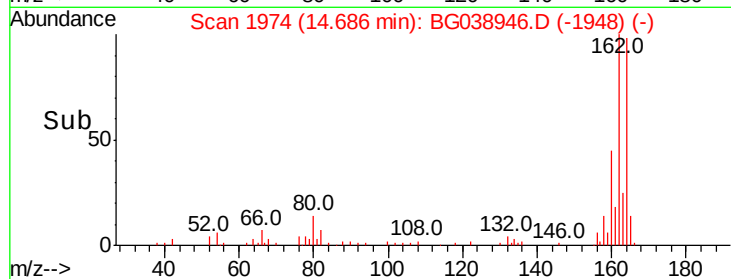
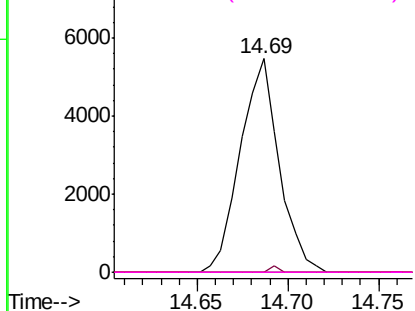
#57
 2,4-Dinitrotoluene
 Concen: 4.778 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8119
 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#

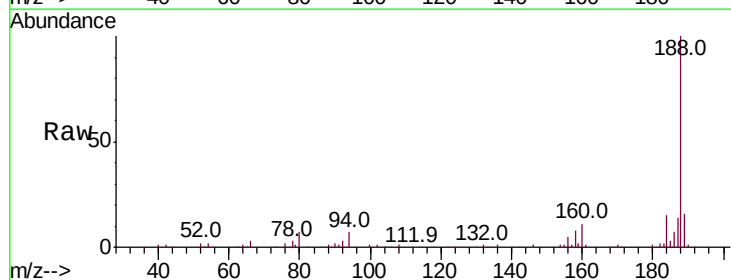


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

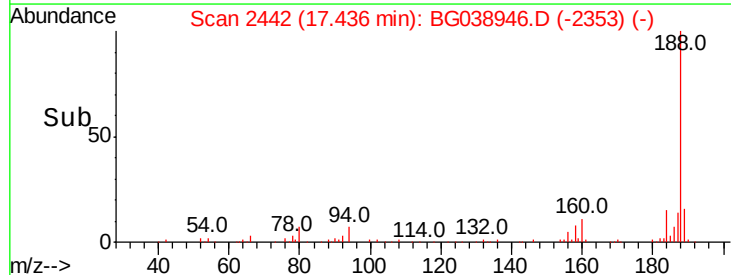
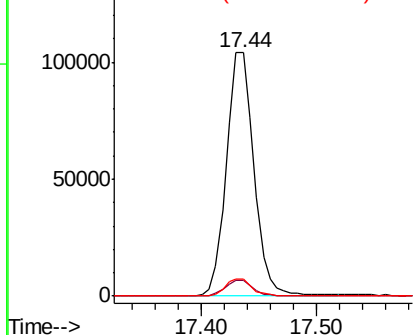


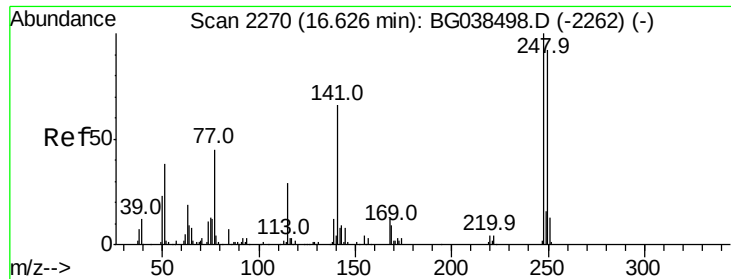
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Tgt Ion:188 Resp: 173193
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.1 7.7
 80 6.9 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

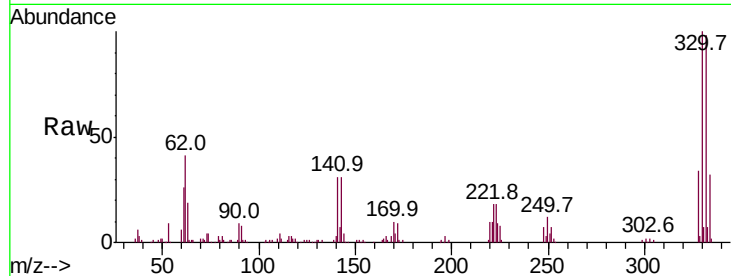




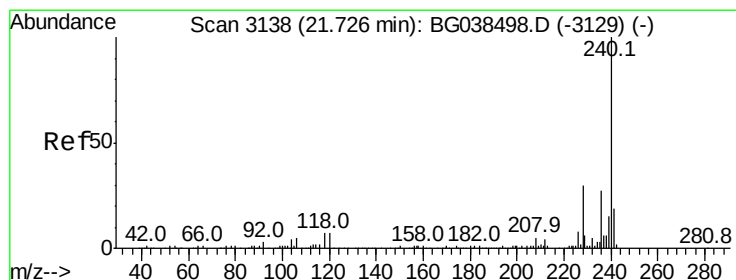
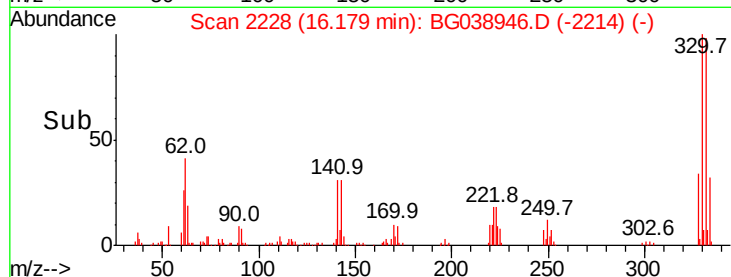
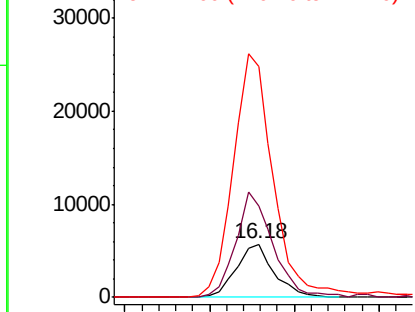
#67
 4-Bromophenyl-phenylether
 Concen: 4.165 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 8810
 Ion Ratio Lower Upper
 248 100
 250 166.9 73.4 110.2#
 141 319.1 52.9 79.3#

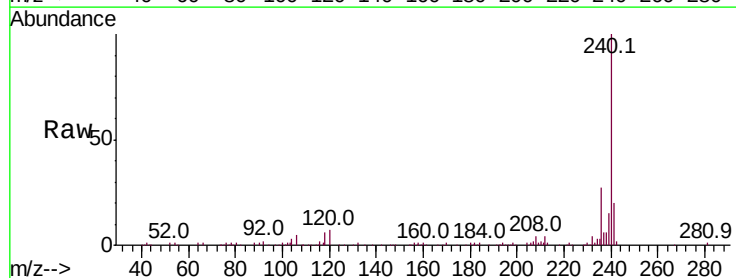


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

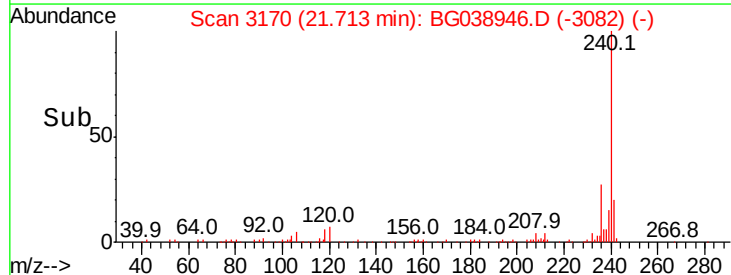
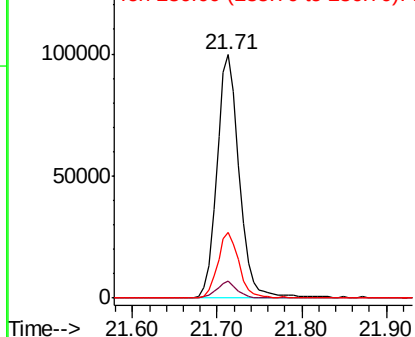


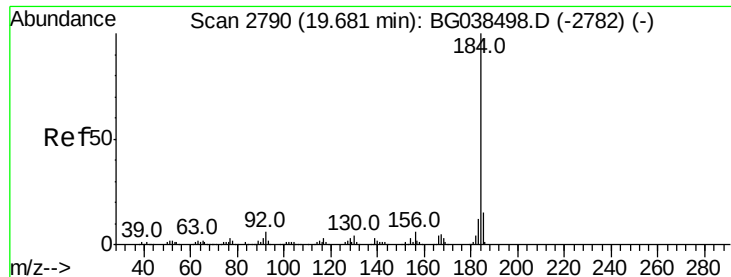
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Tgt Ion:240 Resp: 184272
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.3 7.9
 236 27.1 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: 2.447 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Instrument :

BNA_G

ClientSampled :

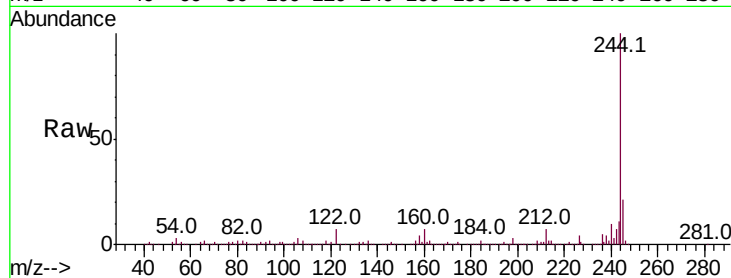
Tot Ion:184 Resp: 13337

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

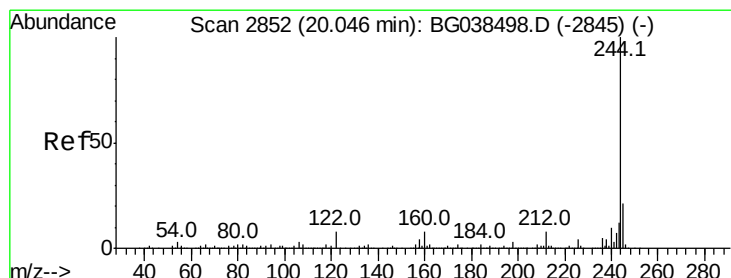
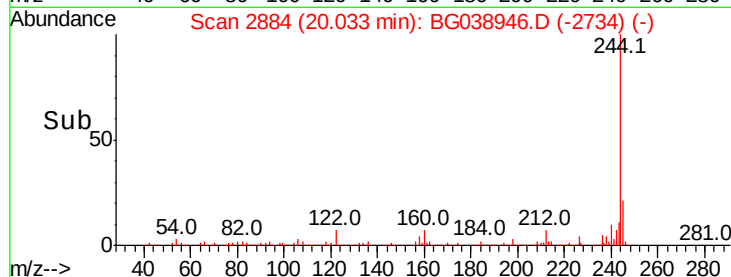
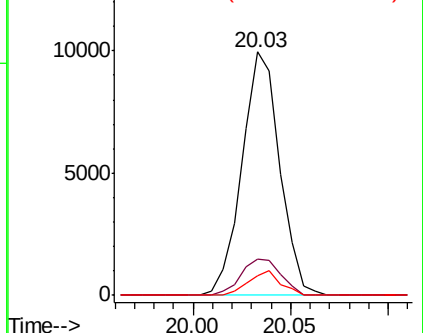
183 8.3 9.6 14.4#



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: 96.691 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

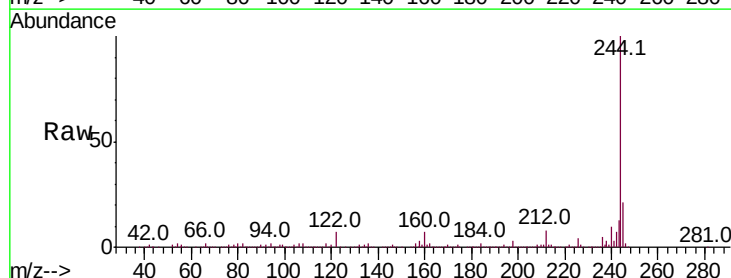
Tgt Ion:244 Resp: 818695

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

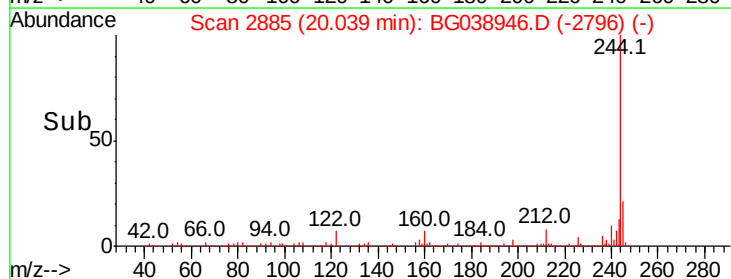
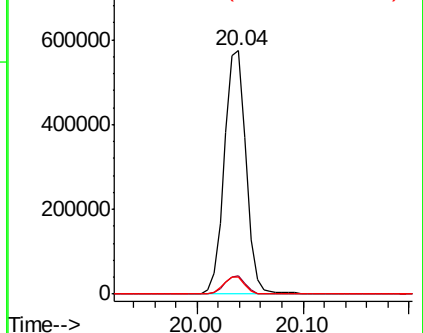
122 6.8 6.3 9.5

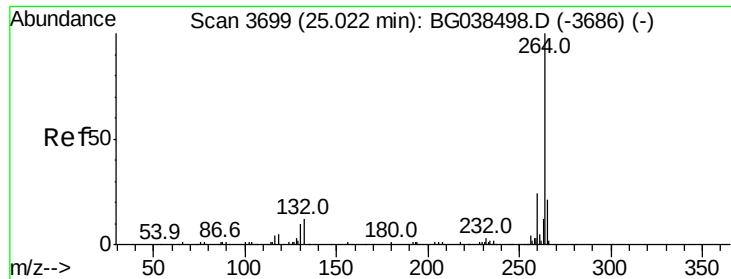


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038946.D
 Acq: 5 Jan 2019 1:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.9	28.3
265	22.0	17.0	25.4

