

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038977.D
 Acq On : 7 Jan 2019 21:48
 Operator : JU/SJ
 Sample : K1012-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:10:51 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

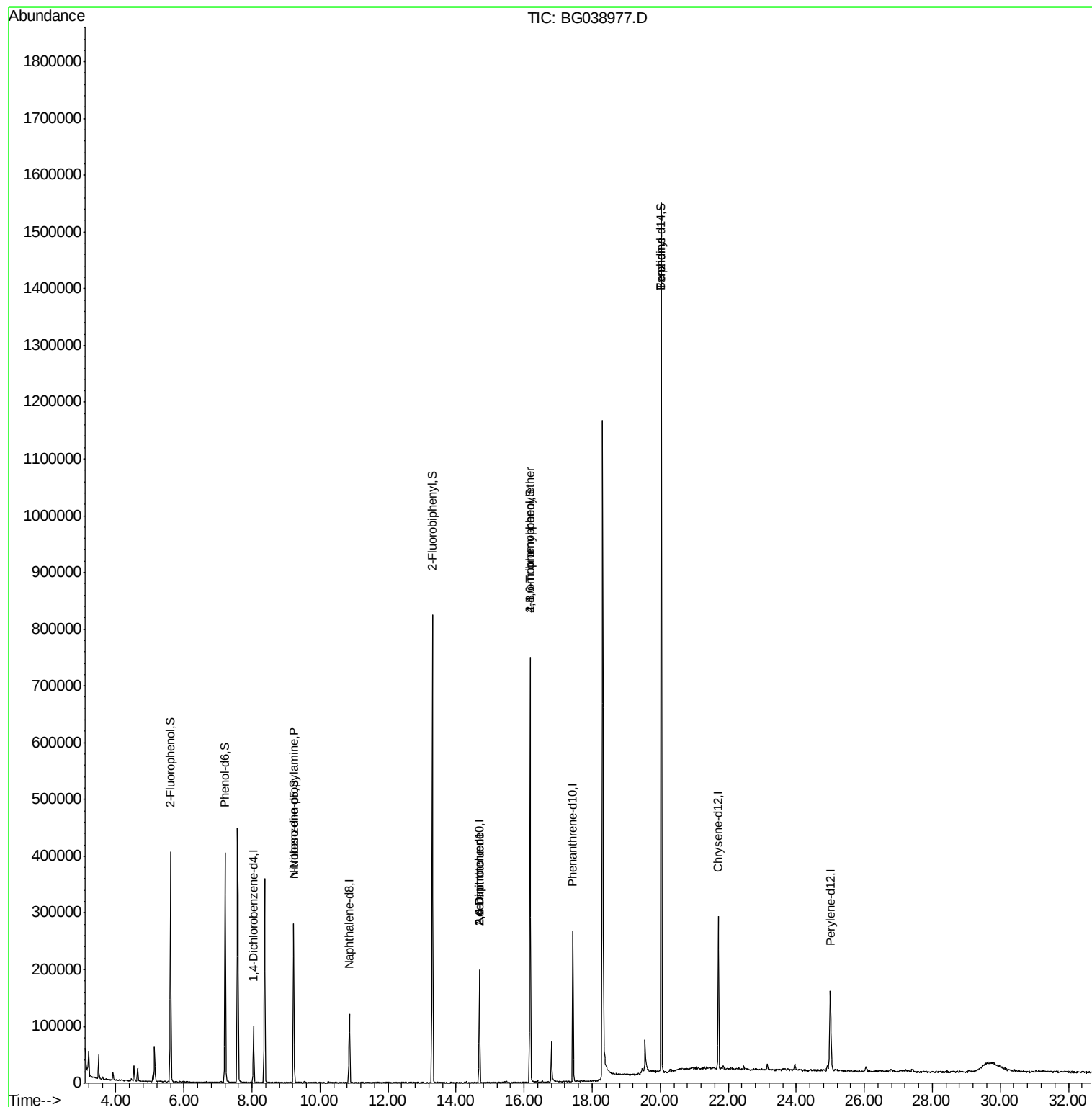
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27601	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	107992	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	73439	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	178240	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	172802	20.00	ng	-0.01
87) Perylene-d12	25.00	264	179314	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	177803	114.26	ng	0.00
7) Phenol-d6	7.21	99	223117	104.44	ng	0.00
23) Nitrobenzene-d5	9.23	82	169536	80.20	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	156917	155.04	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	464218	86.72	ng	-0.01
79) Terphenyl-d14	20.03	244	778729	98.08	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	23433	15.618	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	9886	7.274	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9886	5.165	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10632	4.884	ng	# 1
77) Benzidine	20.03	184	13011	2.546	ng	# 91

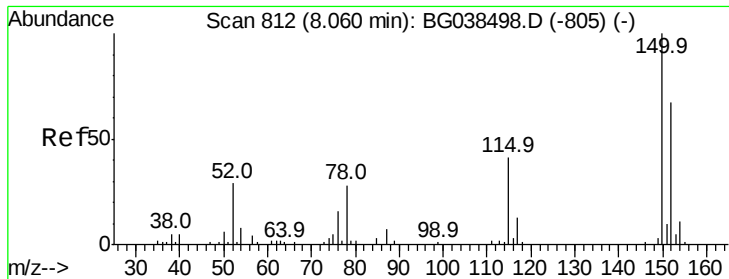
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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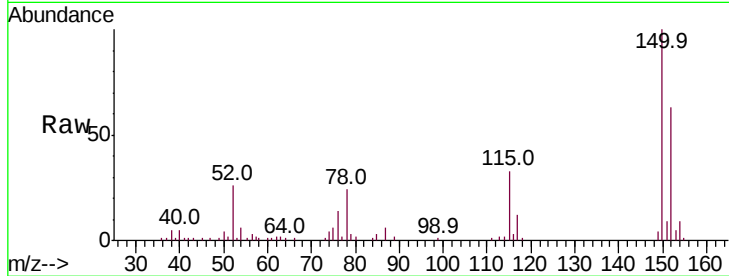


#1

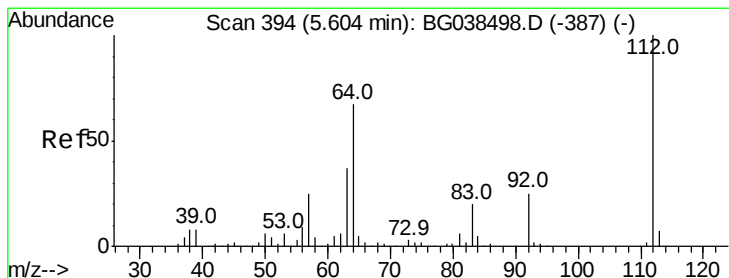
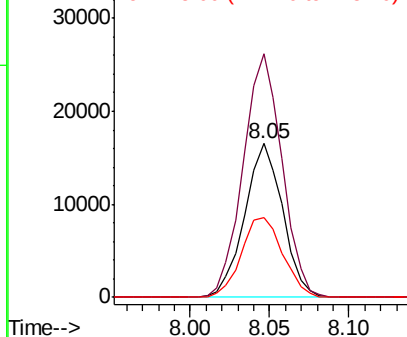
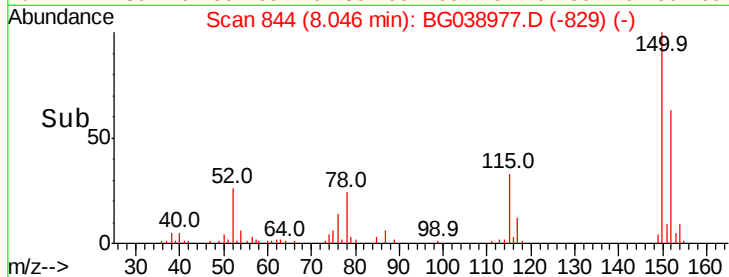
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038977.D
Acq: 7 Jan 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27601
Ion Ratio Lower Upper
152 100
150 158.5 119.5 179.3
115 52.2 49.6 74.4



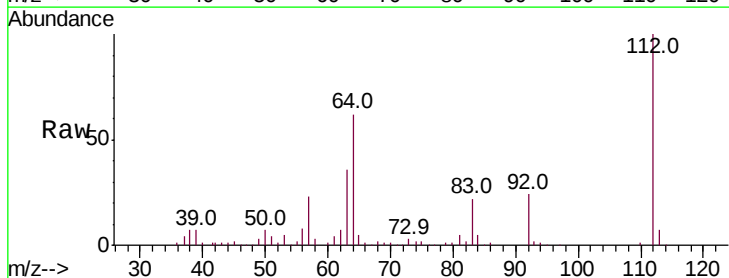
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



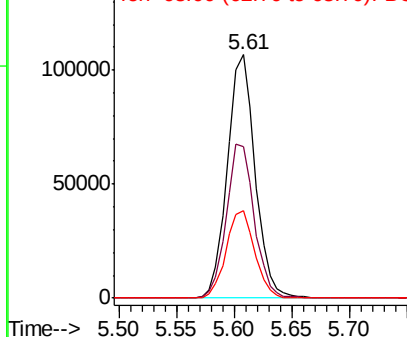
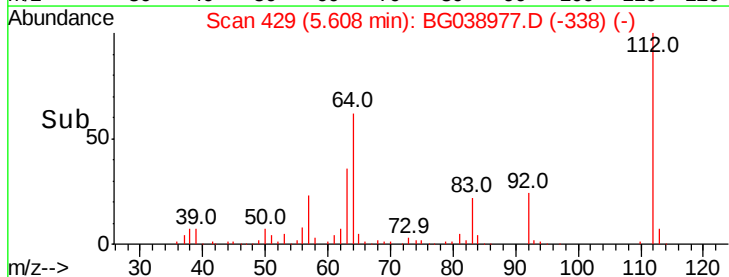
#5

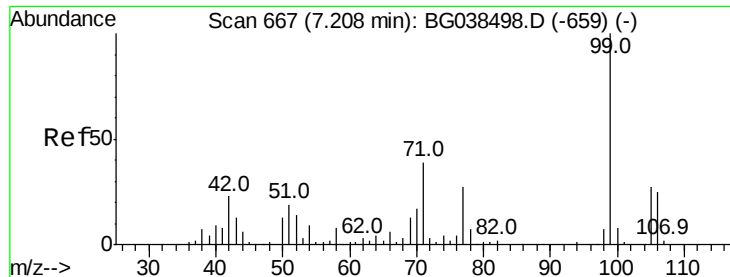
2-Fluorophenol
Concen: 114.257 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038977.D
Acq: 7 Jan 2019 21:48

Tgt Ion:112 Resp: 177803
Ion Ratio Lower Upper
112 100
64 62.4 53.4 80.2
63 36.0 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: 104.440 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038977.D

Acq: 7 Jan 2019 21:48

Instrument :

BNA_G

ClientSampleId :

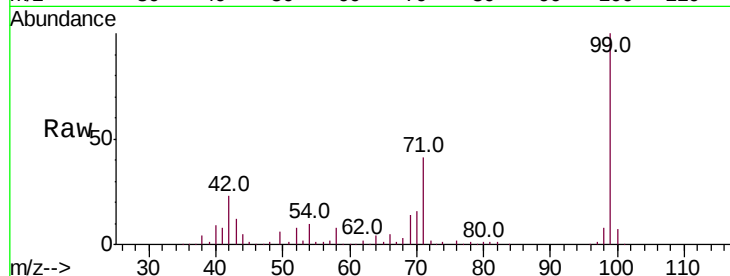
Tot Ion: 99 Resp: 223117

Ion Ratio Lower Upper

99 100

42 22.6 18.5 27.7

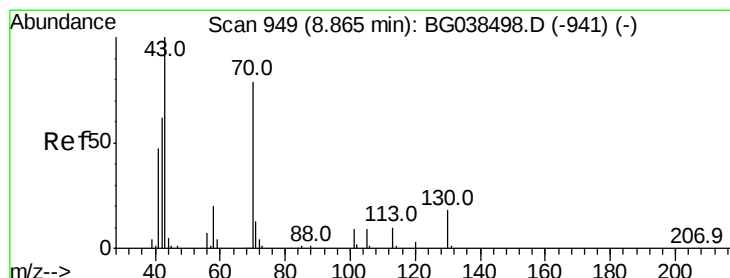
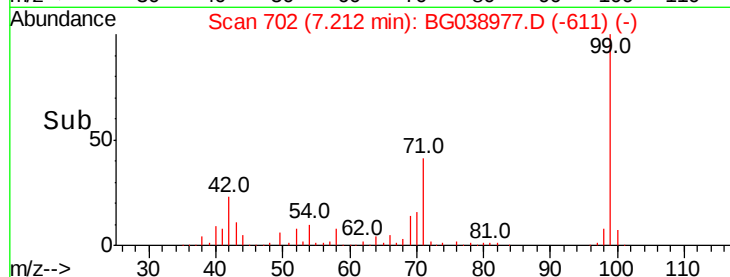
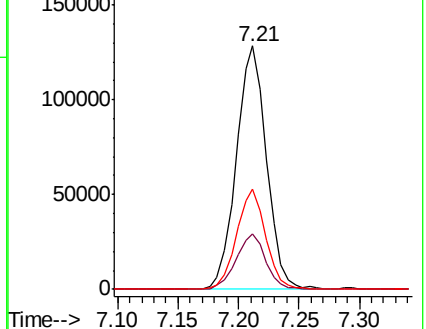
71 41.0 31.1 46.7



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: 15.618 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038977.D

Acq: 7 Jan 2019 21:48

Tgt Ion: 70 Resp: 23433

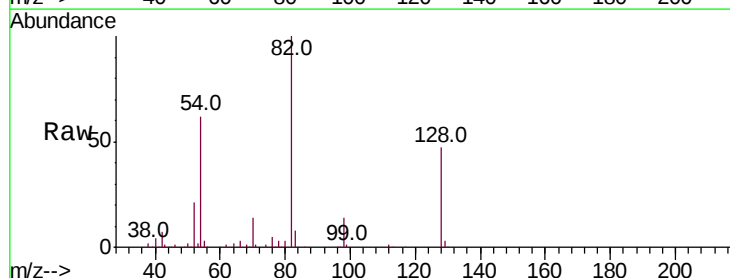
Ion Ratio Lower Upper

70 100

42 51.3 63.6 95.4#

101 0.0 9.2 13.8#

130 1.6 18.5 27.7#

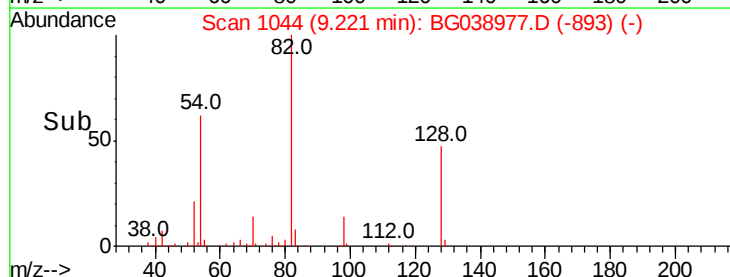
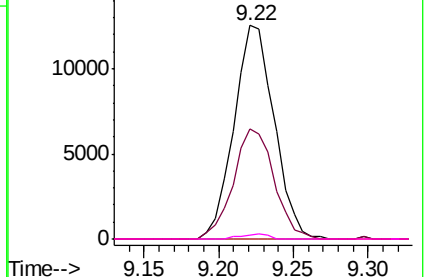


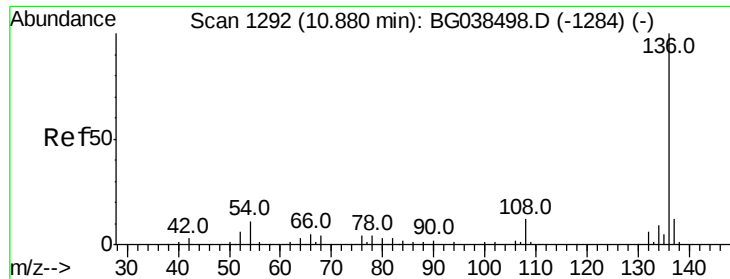
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

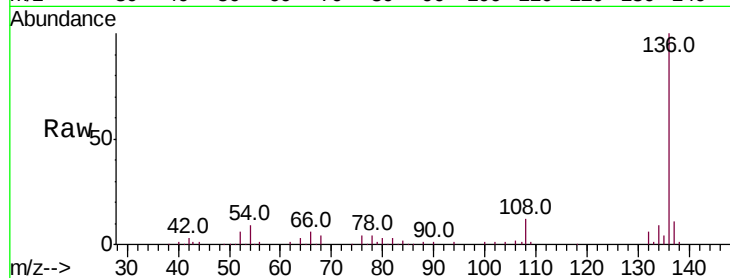




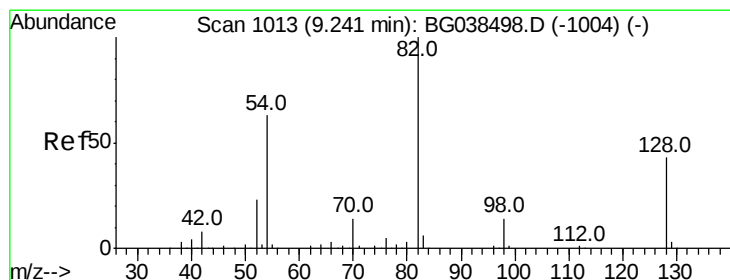
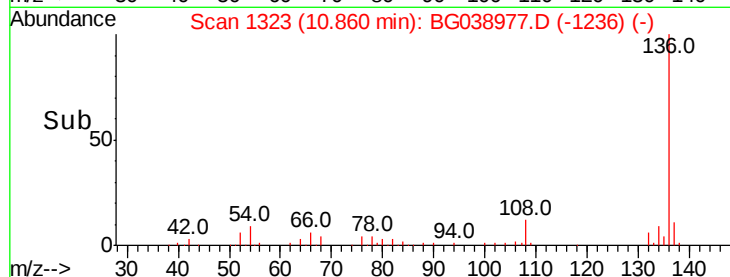
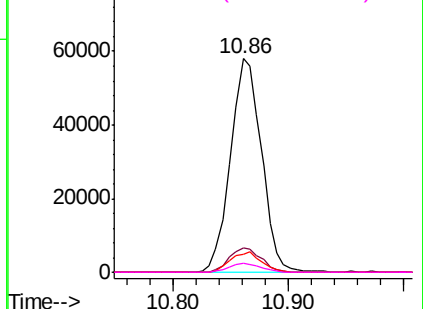
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038977.D
Acq: 7 Jan 2019 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107992
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.3 13.9
54	8.7	8.5 12.7
68	4.0	3.5 5.3

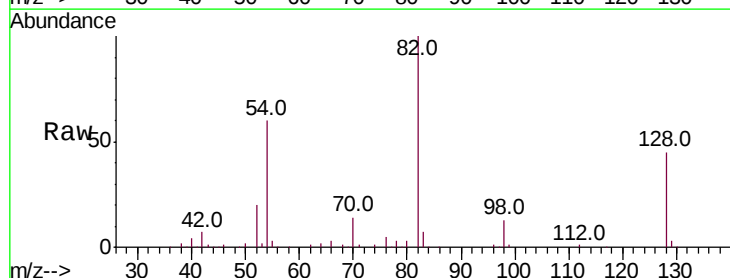


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

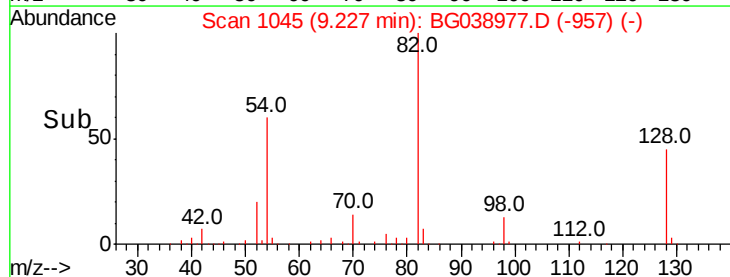
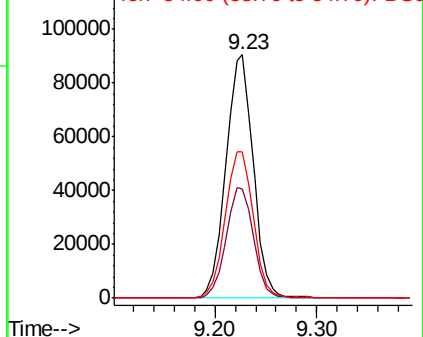


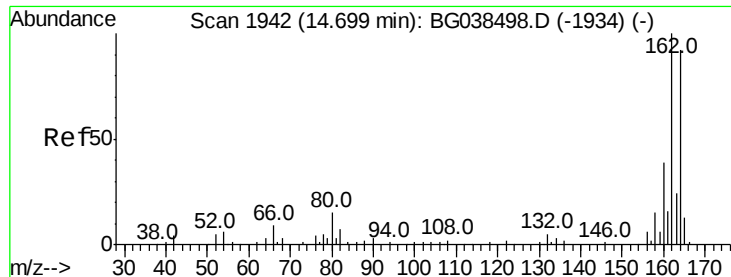
#23
Nitrobenzene-d5
Concen: 80.201 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038977.D
Acq: 7 Jan 2019 21:48

Tgt Ion: 82	Resp:	169536
Ion	Ratio	Lower Upper
82	100	
128	45.1	34.6 52.0
54	60.0	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

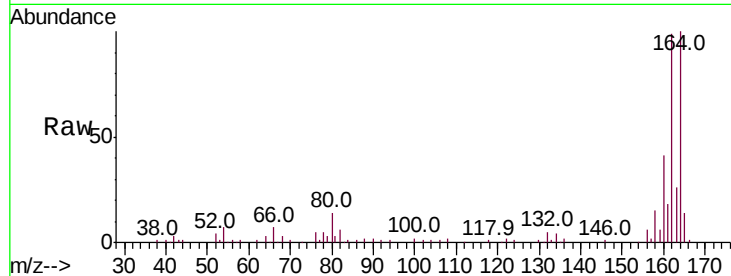




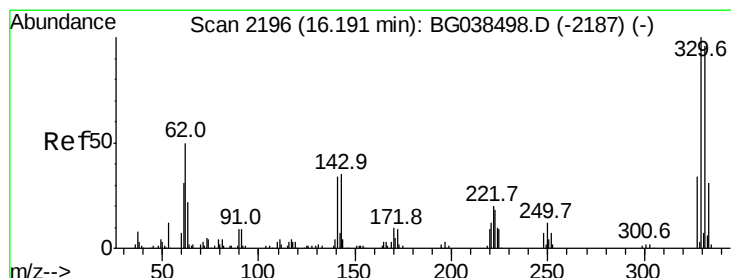
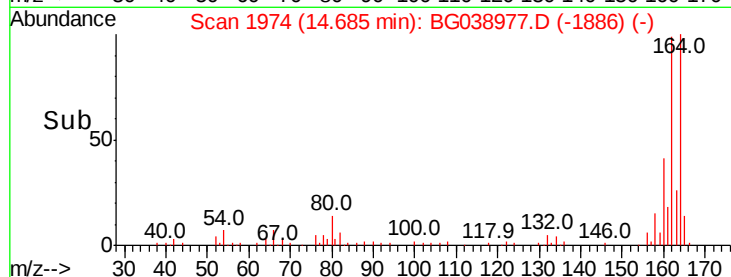
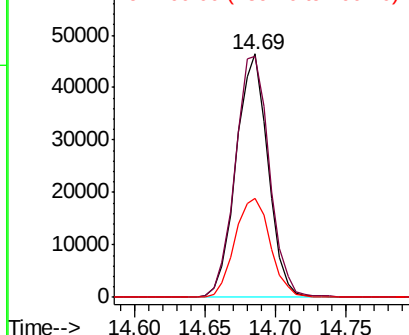
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 73439
 Ion Ratio Lower Upper
 164 100
 162 98.8 86.6 130.0
 160 40.8 34.2 51.2

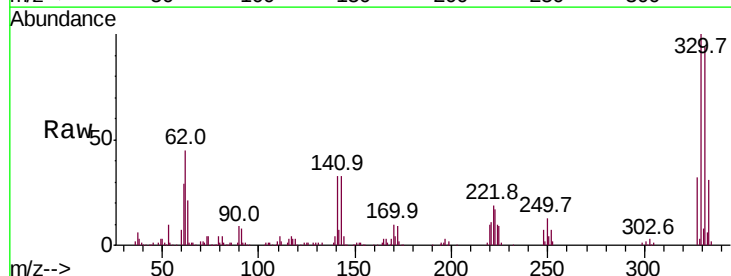


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

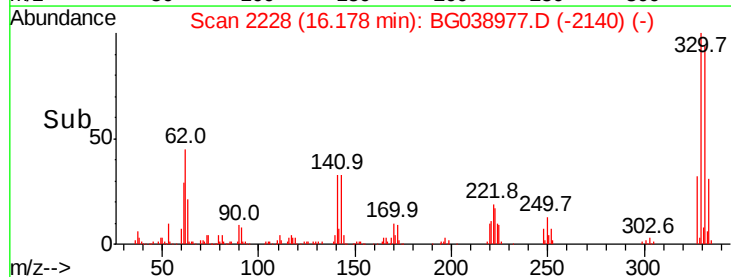
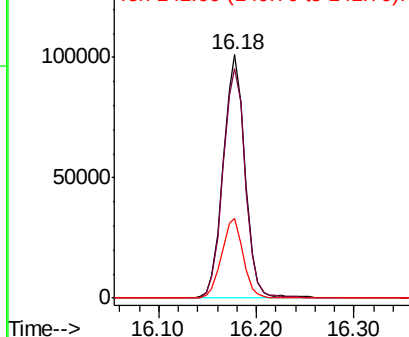


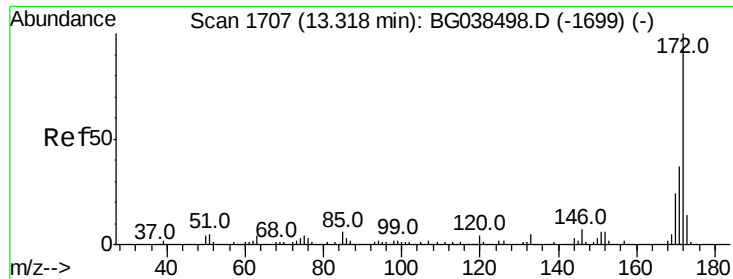
#42
 2,4,6-Tribromophenol
 Concen: 155.038 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Tgt Ion:330 Resp: 156917
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.9 115.3
 141 32.4 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

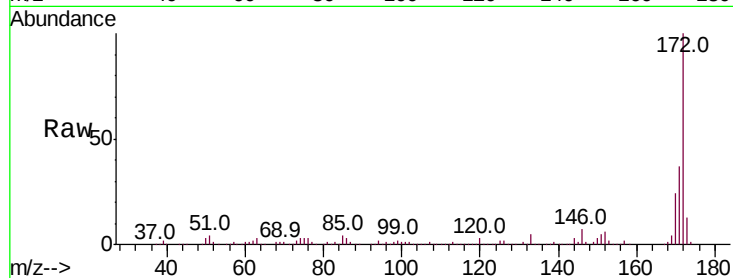




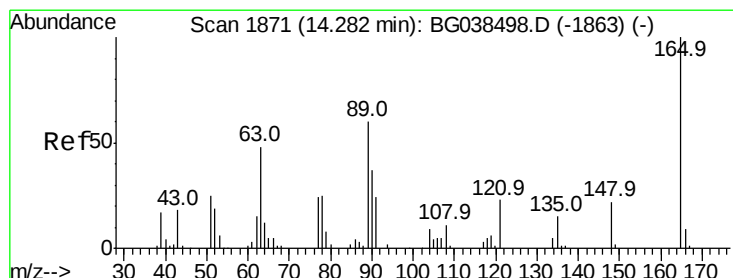
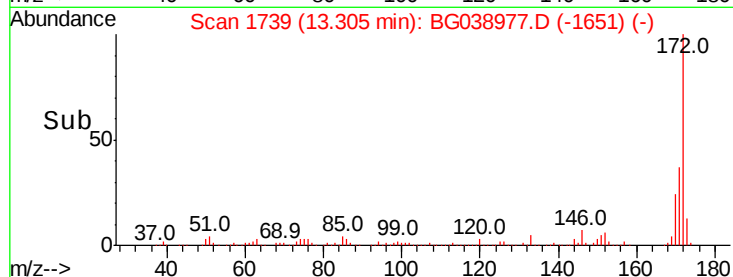
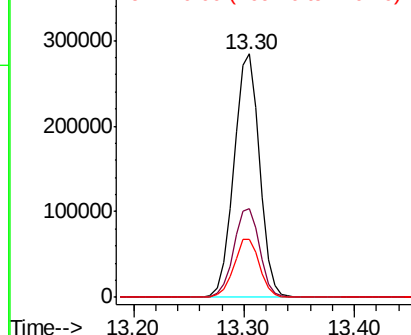
#45
 2-Fluorobiphenyl
 Concen: 86.716 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 464218
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 24.1 19.5 29.3

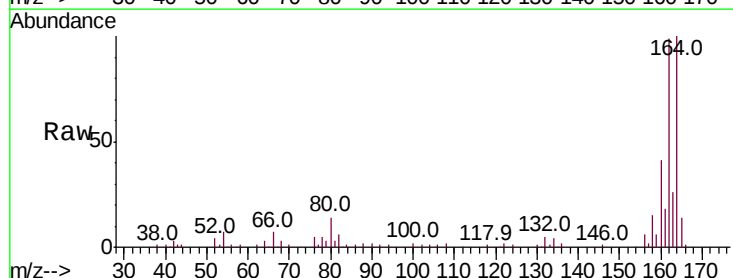


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

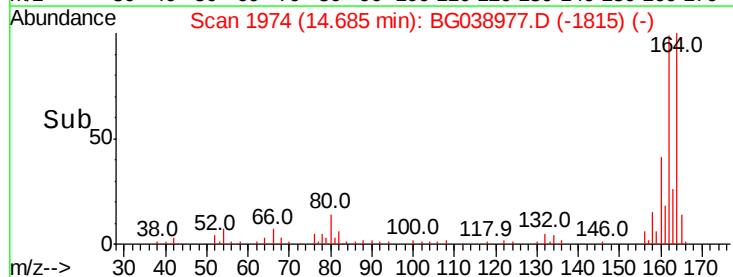
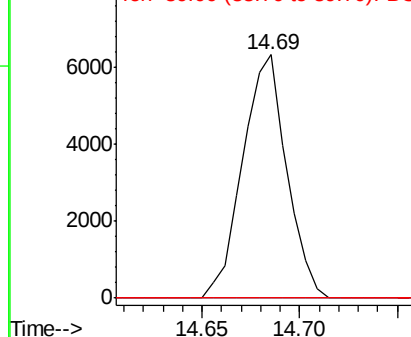


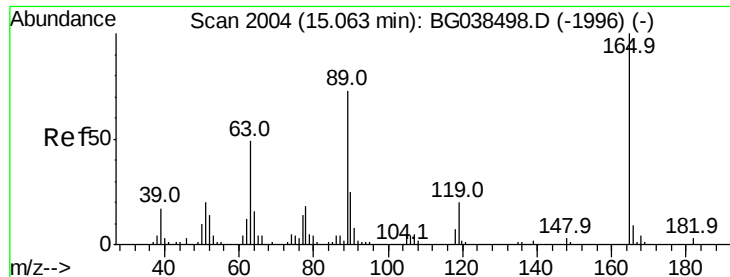
#51
 2,6-Dinitrotoluene
 Concen: 7.274 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Tgt Ion:165 Resp: 9886
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 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

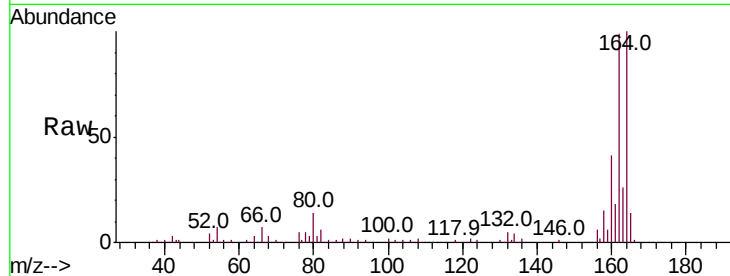




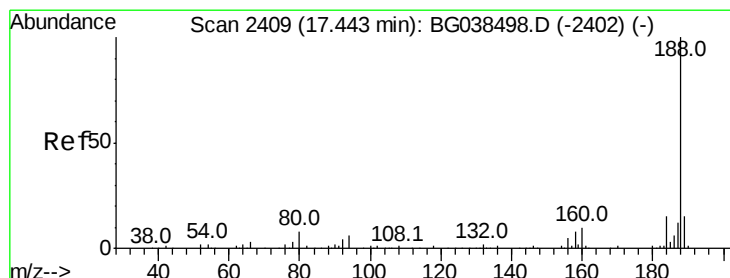
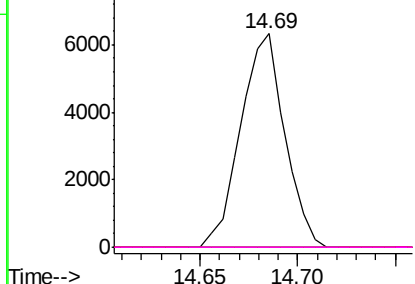
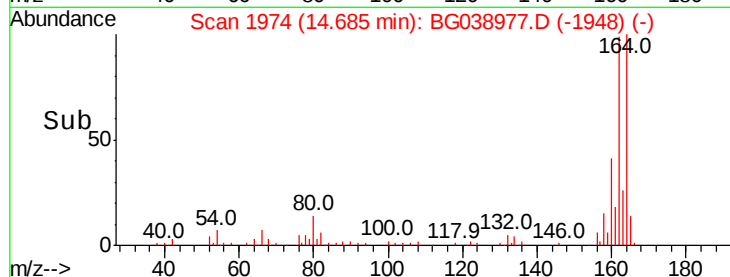
#57
 2,4-Dinitrotoluene
 Concen: 5.165 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9886
 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#

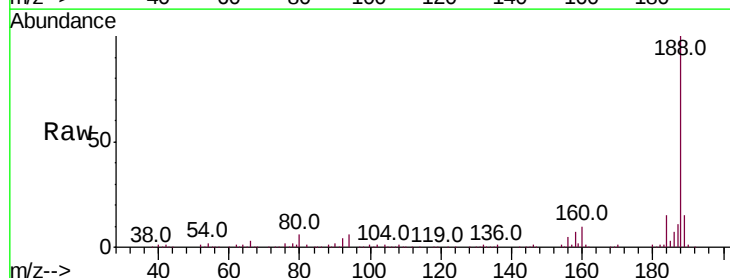


Abundance Ion 165.00 (164.70 to 165.70): E
 10000 Ion 63.00 (62.70 to 63.70): BGC
 8000 Ion 89.00 (88.70 to 89.70): BGC
 6000 Ion 182.00 (181.70 to 182.70): E

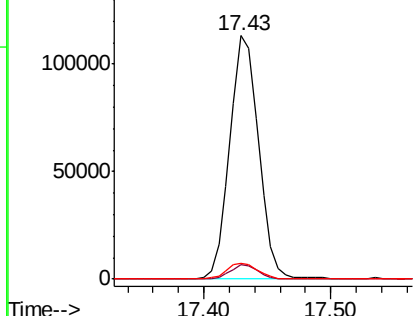
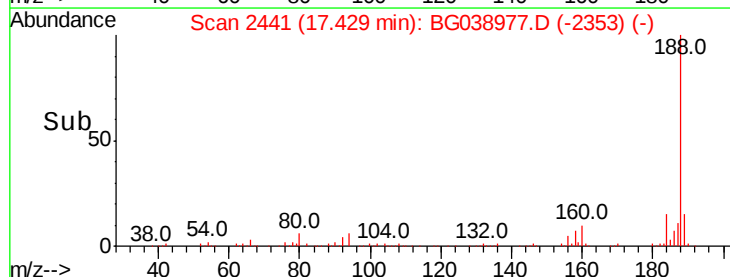


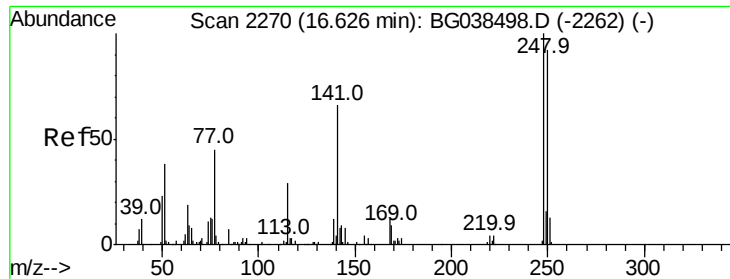
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Tgt Ion:188 Resp: 178240
 Ion Ratio Lower Upper
 188 100
 94 5.8 5.1 7.7
 80 6.3 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BGC
 100000 Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.884 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038977.D

Acq: 7 Jan 2019 21:48

Instrument :

BNA_G

ClientSampleId :

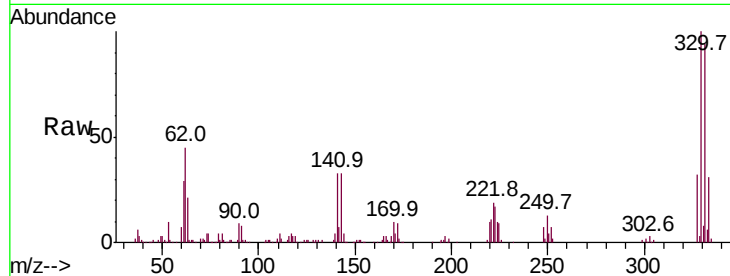
Tot Ion:248 Resp: 10632

Ion Ratio Lower Upper

248 100

250 196.2 73.4 110.2#

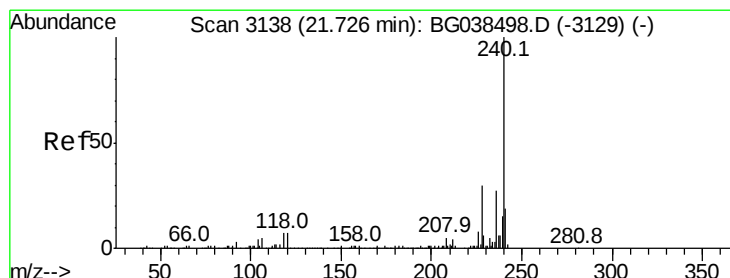
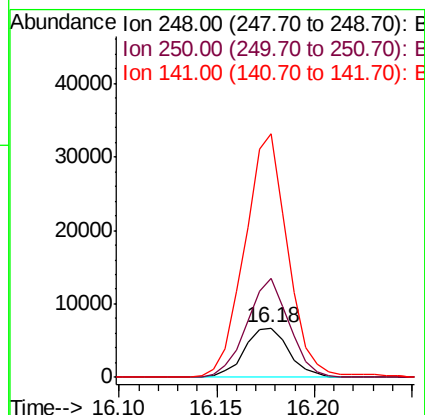
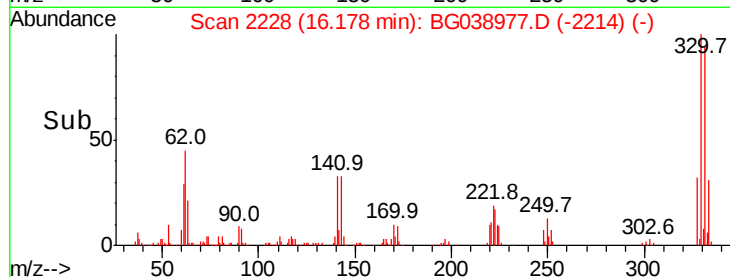
141 368.2 52.9 79.3#



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: BG038977.D

Acq: 7 Jan 2019 21:48

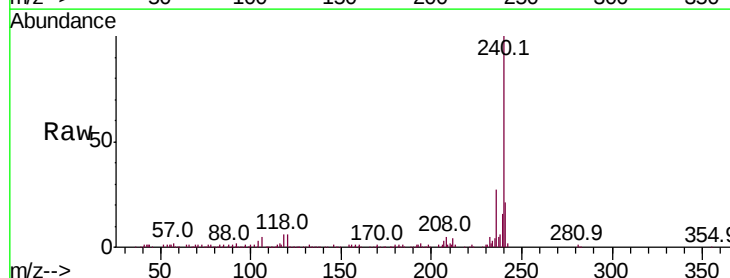
Tgt Ion:240 Resp: 172802

Ion Ratio Lower Upper

240 100

120 5.8 5.3 7.9

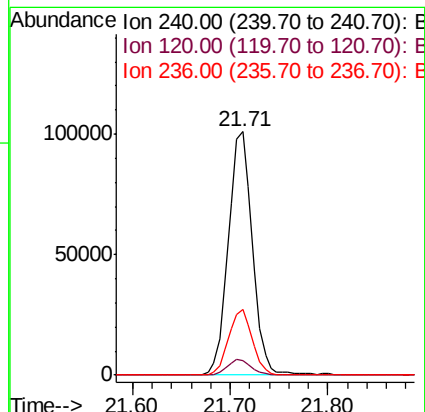
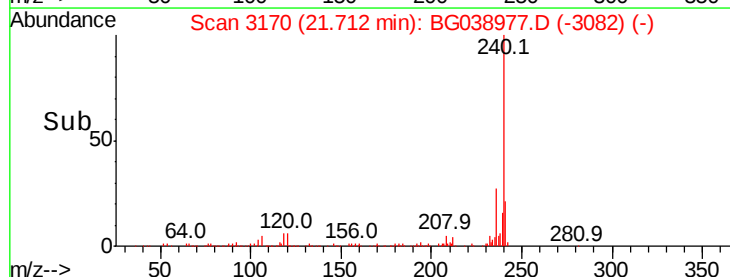
236 26.7 21.4 32.2

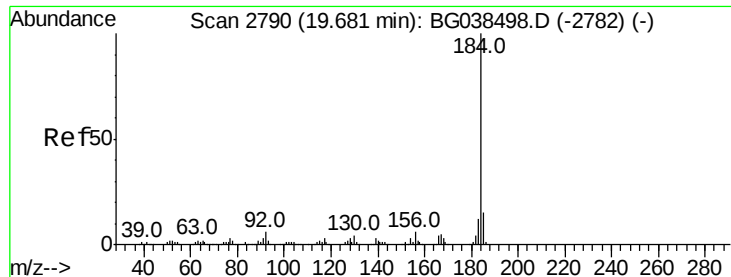


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.546 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038977.D

Acq: 7 Jan 2019 21:48

Instrument :

BNA_G

ClientSampled :

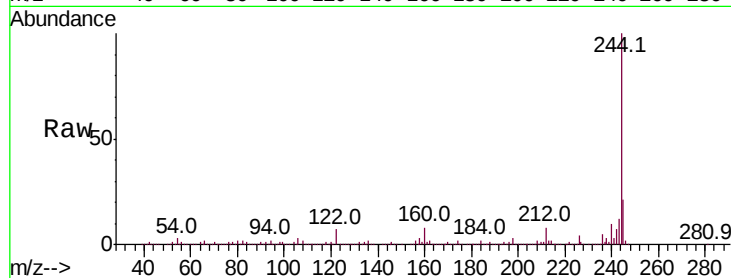
Tot Ion:184 Resp: 13011

Ion Ratio Lower Upper

184 100

185 18.9 12.2 18.2#

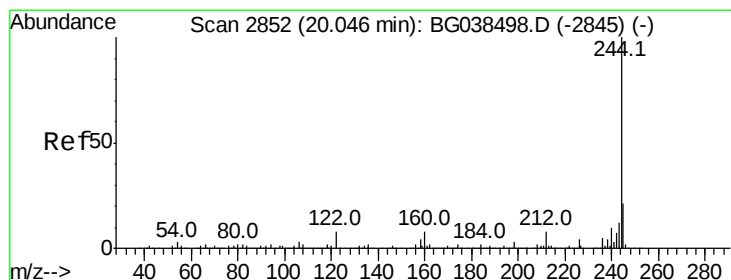
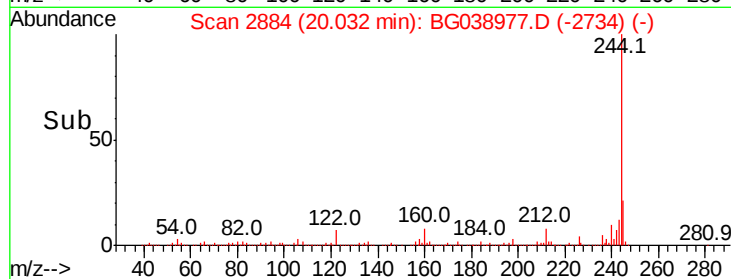
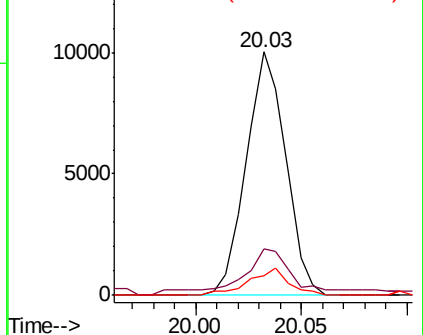
183 8.2 9.6 14.4#



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: 98.076 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038977.D

Acq: 7 Jan 2019 21:48

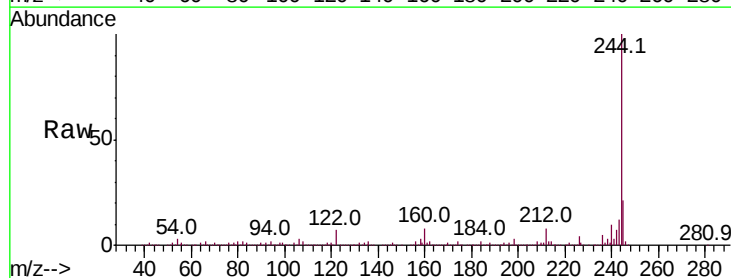
Tgt Ion:244 Resp: 778729

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

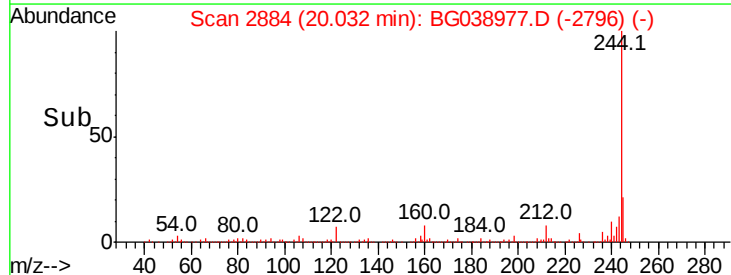
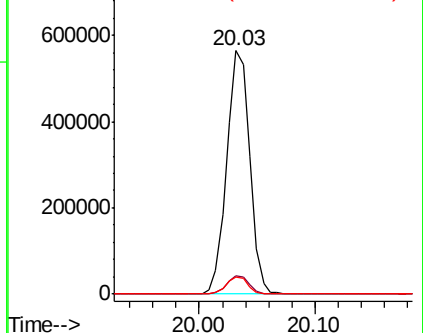
122 7.0 6.3 9.5

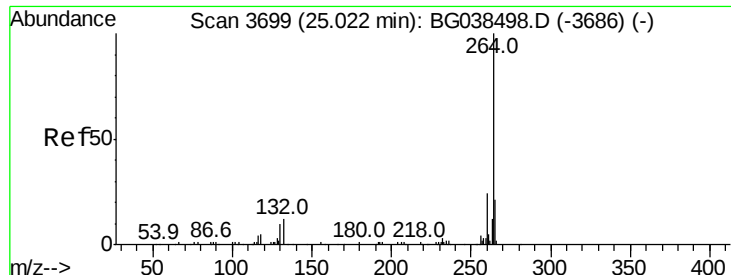


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.02 min
 Lab File: BG038977.D
 Acq: 7 Jan 2019 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.4	17.0	25.4

