

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038957.D
 Acq On : 5 Jan 2019 10:12
 Operator : JU/SJ
 Sample : K1036-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 06 22:44:16 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

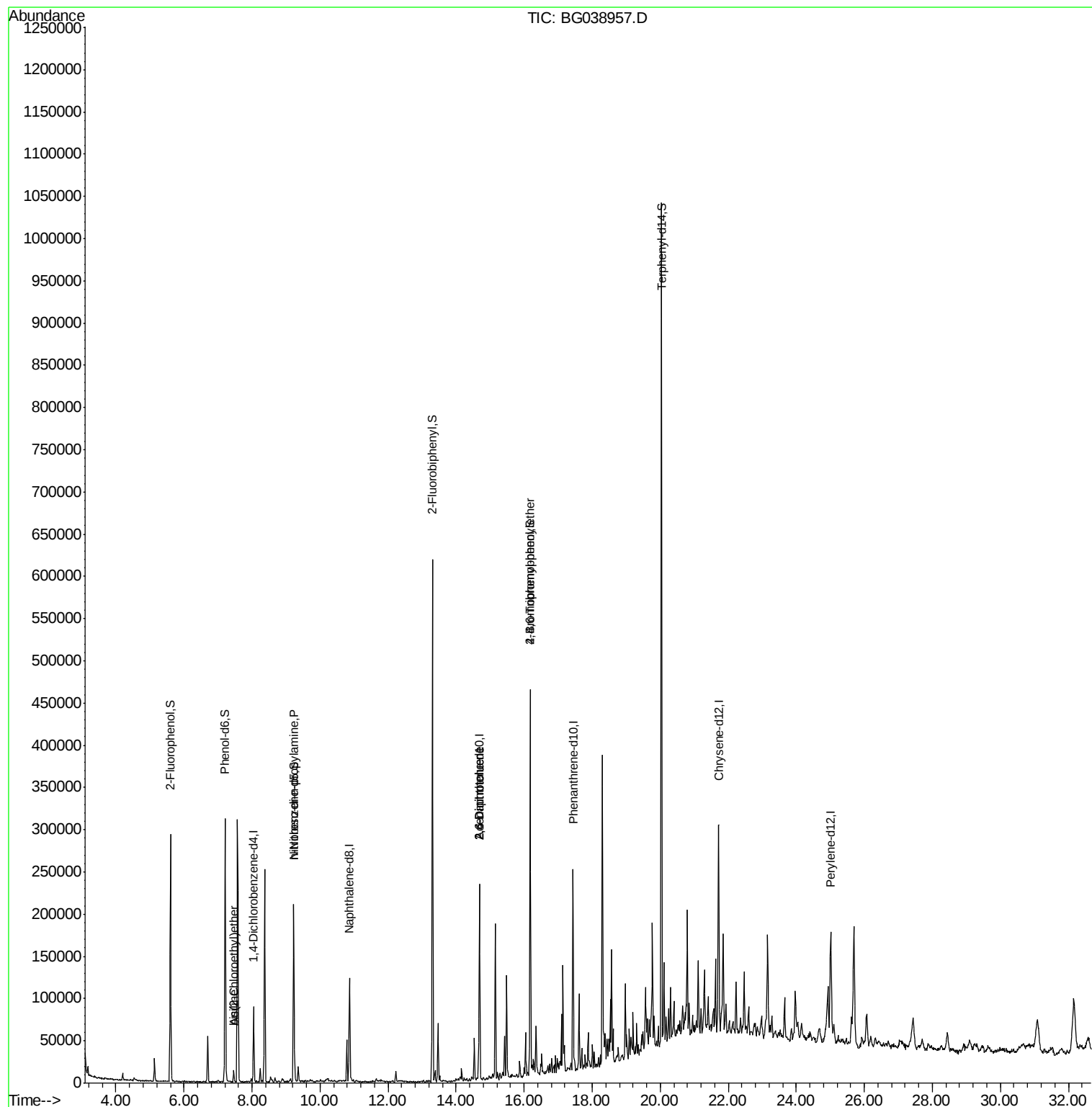
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26619	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	107933	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	73170	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	160003	20.00	ng	0.00
76) Chrysene-d12	21.72	240	153683	20.00	ng	0.00
87) Perylene-d12	25.01	264	166218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	127747	85.12	ng	0.00
7) Phenol-d6	7.21	99	181871	88.27	ng	0.00
23) Nitrobenzene-d5	9.23	82	117362	55.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	97947	97.13	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	334541	62.72	ng	-0.01
79) Terphenyl-d14	20.04	244	502251	71.12	ng	0.00
Target Compounds						
6) Aniline	7.46	93	5443	2.070	ng	# 48
11) bis(2-Chloroethyl)ether	7.46	93	5443	3.123	ng	# 18
19) n-Nitroso-di-n-propylamine	9.23	70	17076	11.801	ng	# 72
51) 2,6-Dinitrotoluene	14.69	165	9745	7.197	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	9745	5.110	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	6144	3.144	ng	# 1

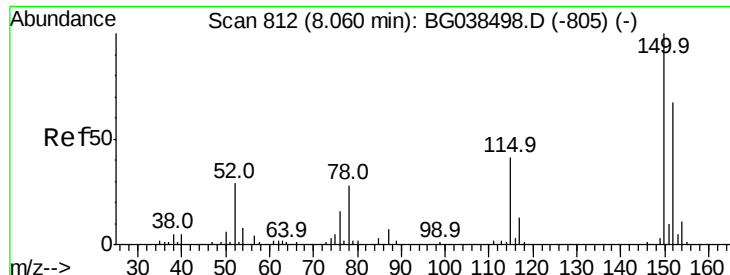
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Instrument :

BNA_G

ClientSampleId :

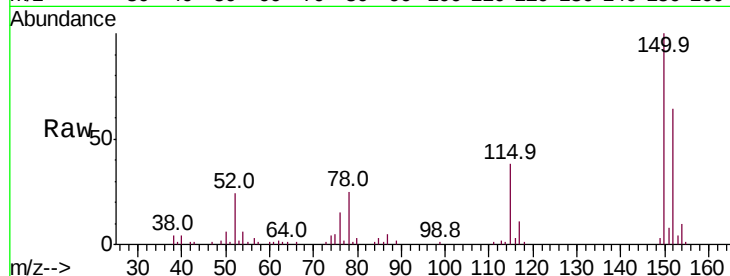
Tot Ion:152 Resp: 26619

Ion Ratio Lower Upper

152 100

150 157.2 119.5 179.3

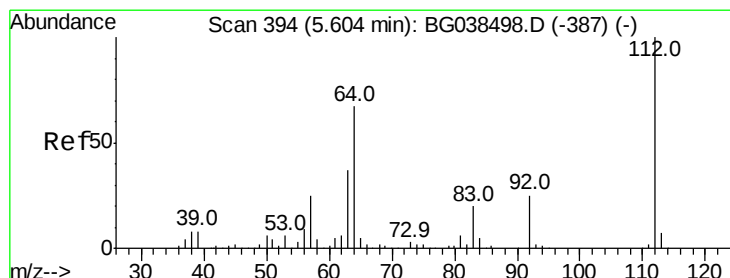
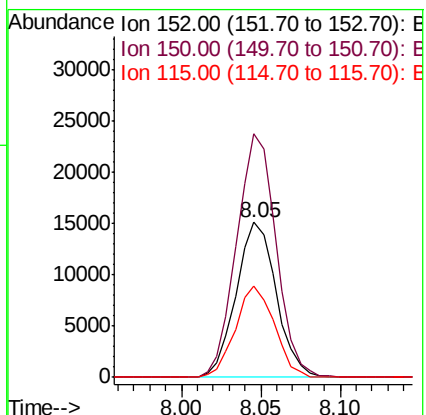
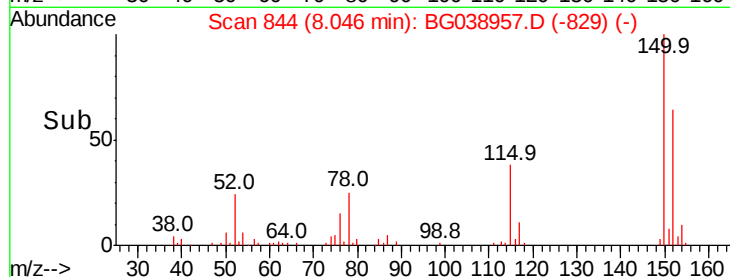
115 59.3 49.6 74.4



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: 85.119 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

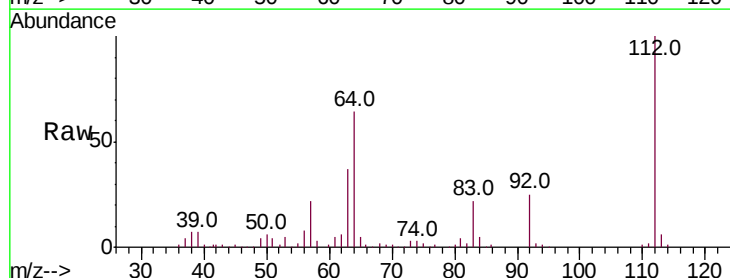
Tgt Ion:112 Resp: 127747

Ion Ratio Lower Upper

112 100

64 64.4 53.4 80.2

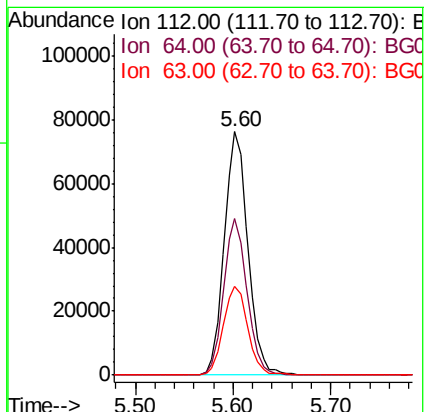
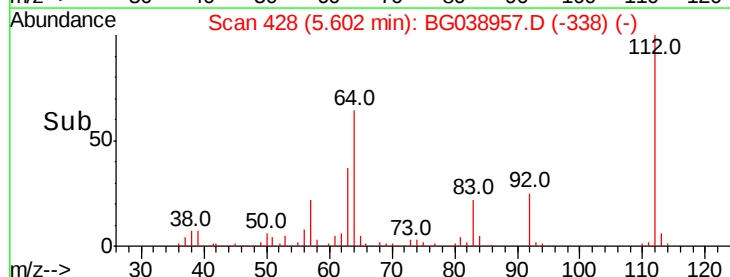
63 36.5 29.3 43.9

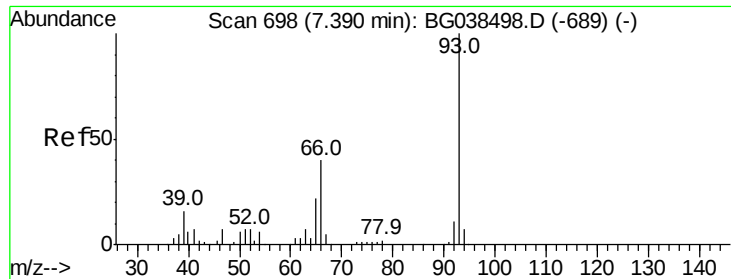


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 2.070 ng

RT: 7.46 min Scan# 744

Delta R.T. 0.07 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Instrument :

BNA_G

ClientSampleId :

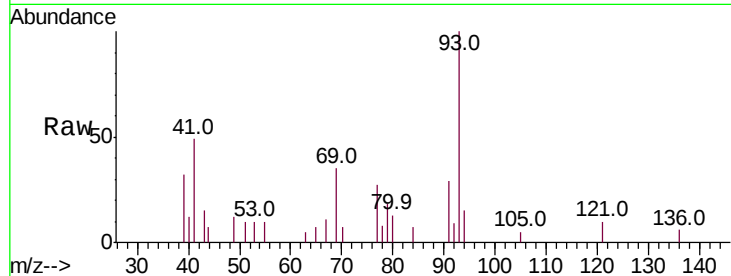
Tot Ion: 93 Resp: 5443

Ion Ratio Lower Upper

93 100

66 0.0 31.7 47.5#

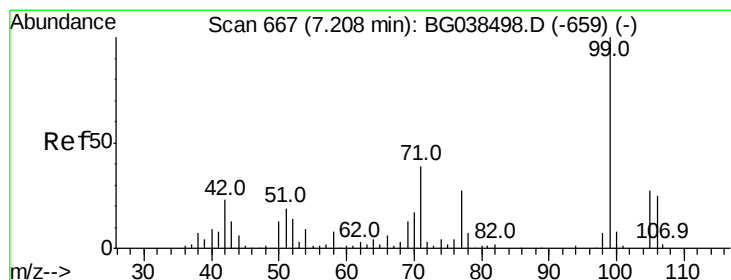
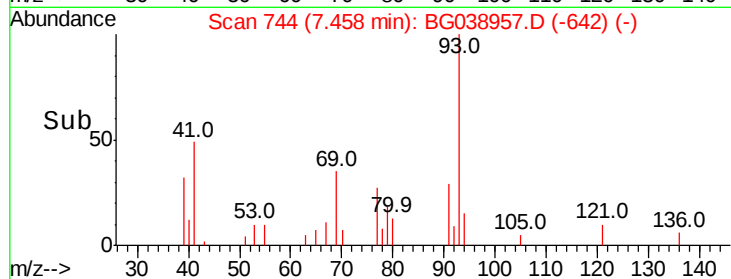
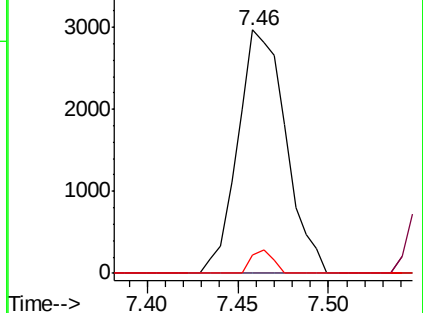
65 7.3 17.8 26.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 88.274 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

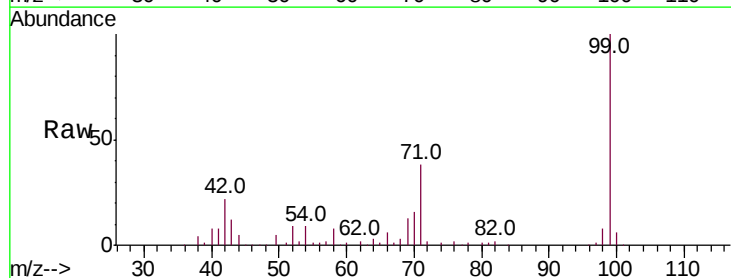
Tgt Ion: 99 Resp: 181871

Ion Ratio Lower Upper

99 100

42 22.0 18.5 27.7

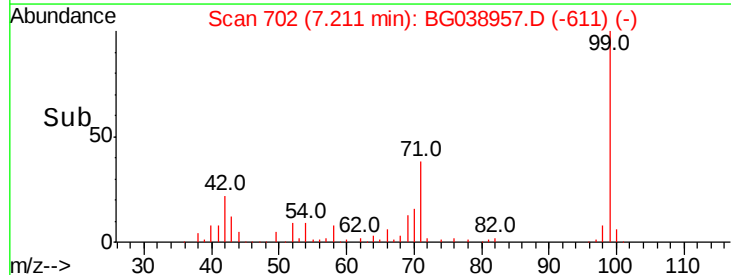
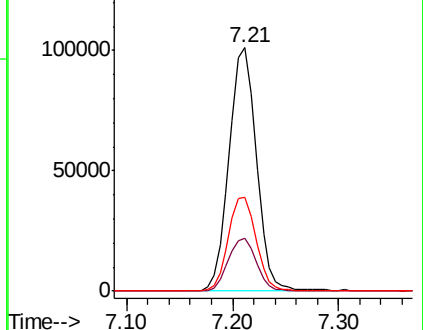
71 38.3 31.1 46.7

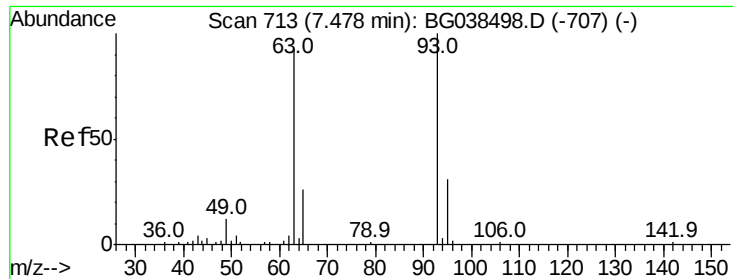


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 3.123 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Instrument :

BNA_G

ClientSampleId :

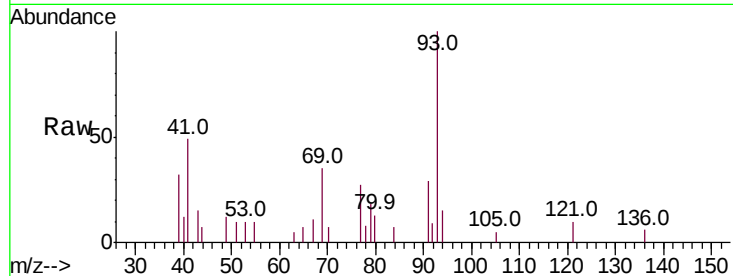
Tot Ion: 93 Resp: 5443

Ion Ratio Lower Upper

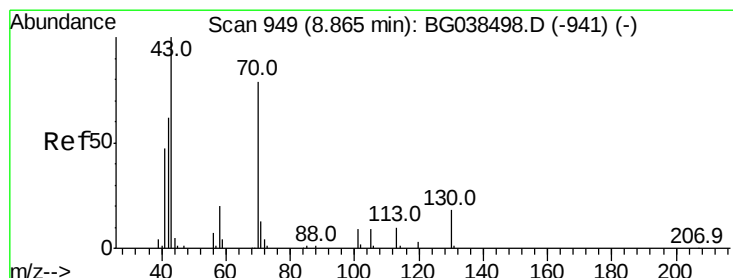
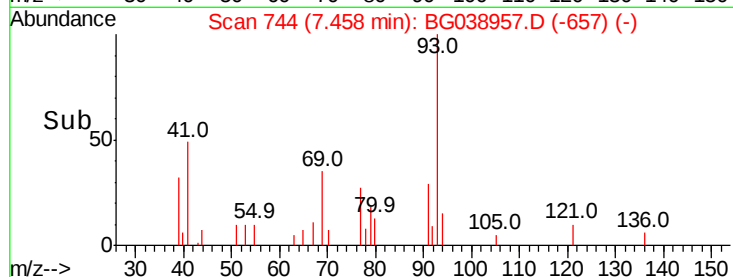
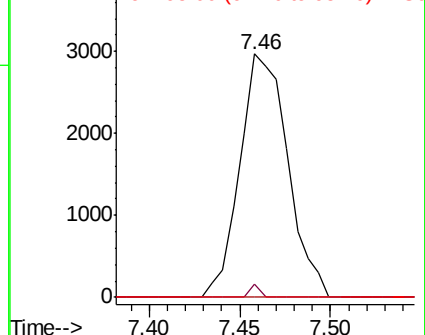
93 100

63 5.5 72.2 112.2#

95 0.0 11.2 51.2#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.801 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Tgt Ion: 70 Resp: 17076

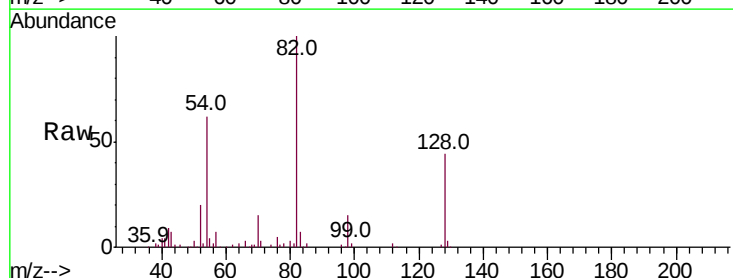
Ion Ratio Lower Upper

70 100

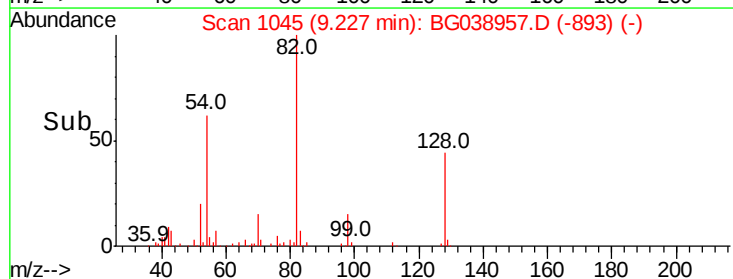
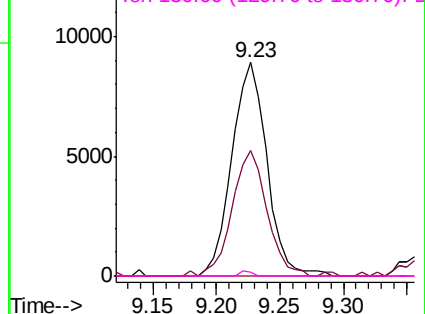
42 58.6 63.6 95.4#

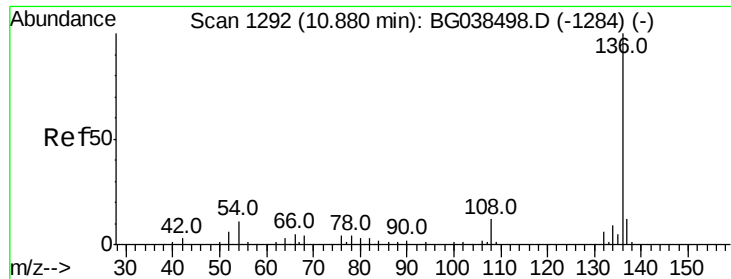
101 0.0 9.2 13.8#

130 2.1 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

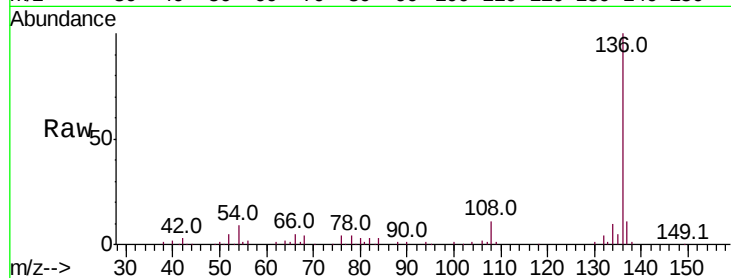




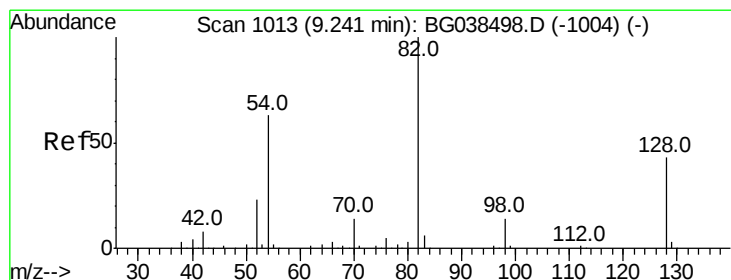
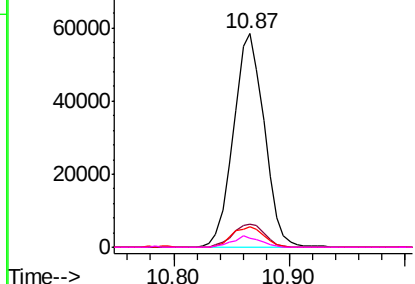
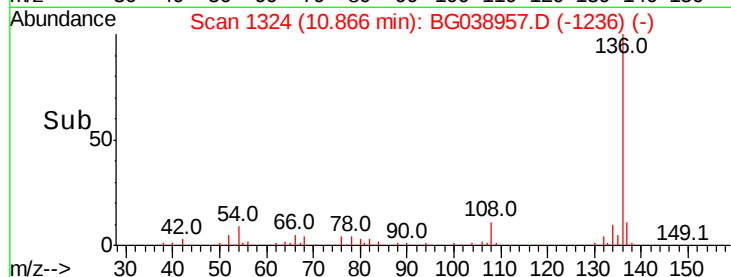
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038957.D
Acq: 5 Jan 2019 10:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107933
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.3 13.9
54	9.4	8.5 12.7
68	4.0	3.5 5.3

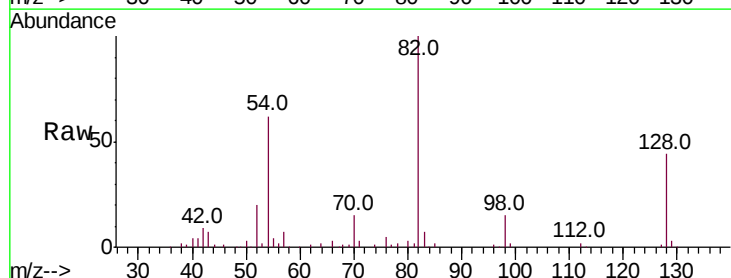


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

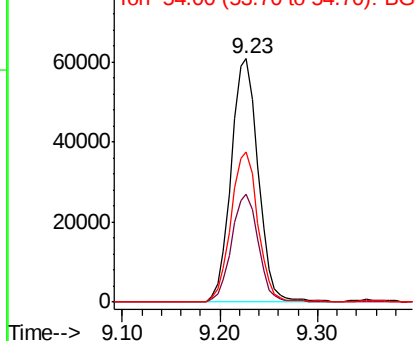
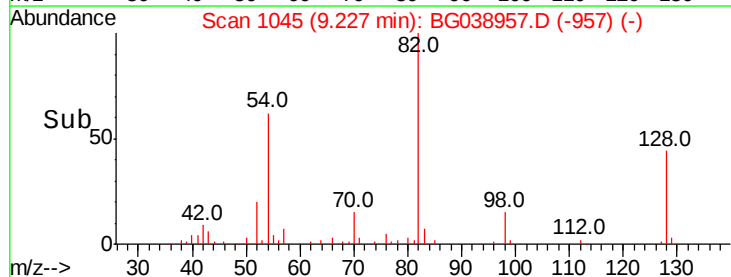


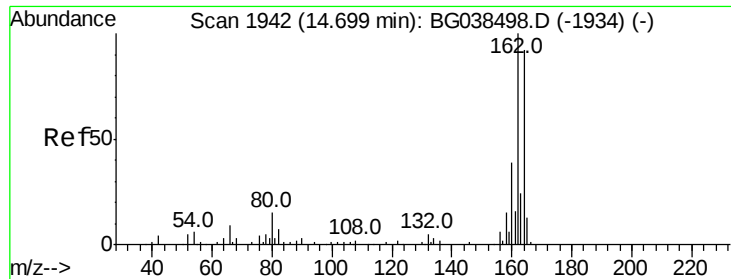
#23
Nitrobenzene-d5
Concen: 55.550 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038957.D
Acq: 5 Jan 2019 10:12

Tgt Ion: 82	Resp:	117362
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.6 52.0
54	61.7	50.6 76.0



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

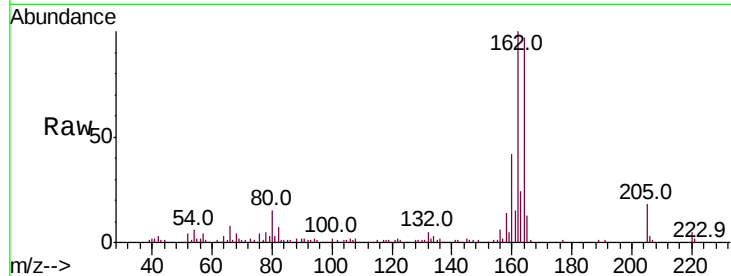




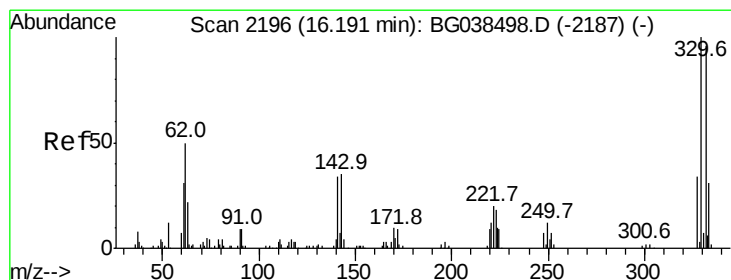
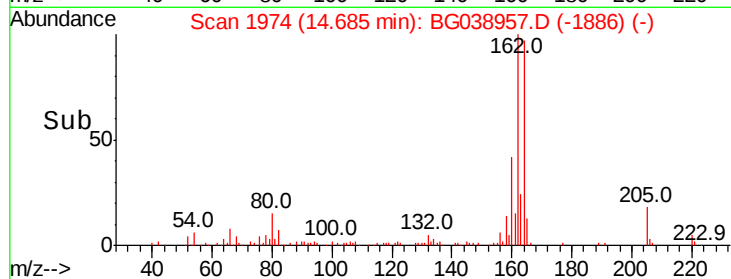
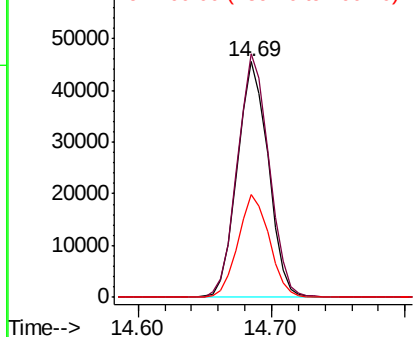
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038957.D
Acq: 5 Jan 2019 10:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 73170
Ion Ratio Lower Upper
164 100
162 103.4 86.6 130.0
160 43.8 34.2 51.2

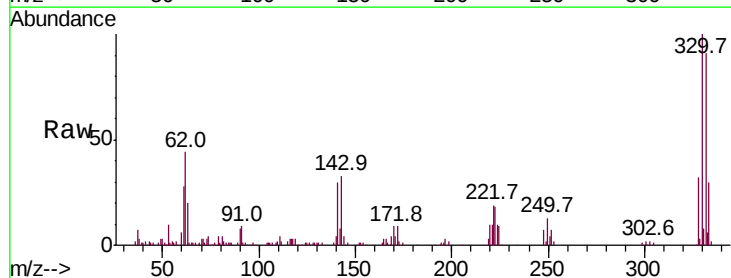


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

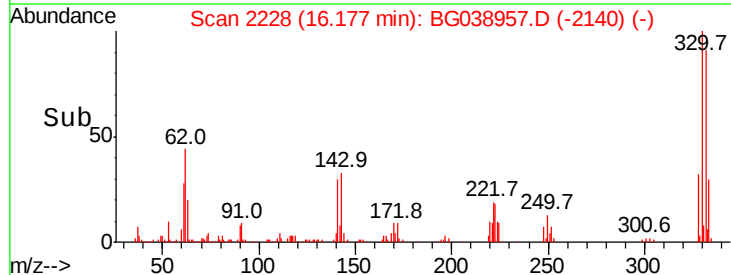
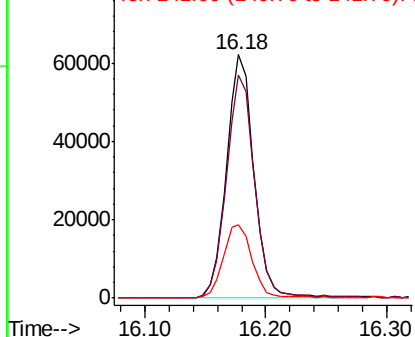


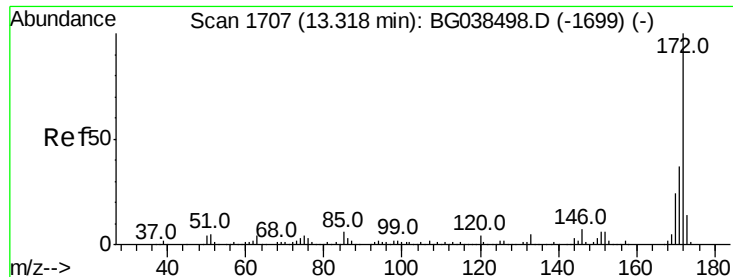
#42
2,4,6-Tribromophenol
Concen: 97.130 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG038957.D
Acq: 5 Jan 2019 10:12

Tgt Ion:330 Resp: 97947
Ion Ratio Lower Upper
330 100
332 93.5 76.9 115.3
141 32.2 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

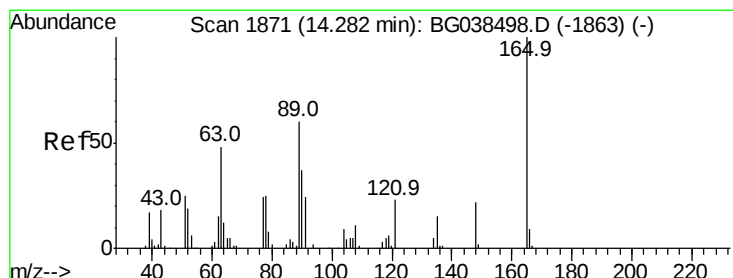
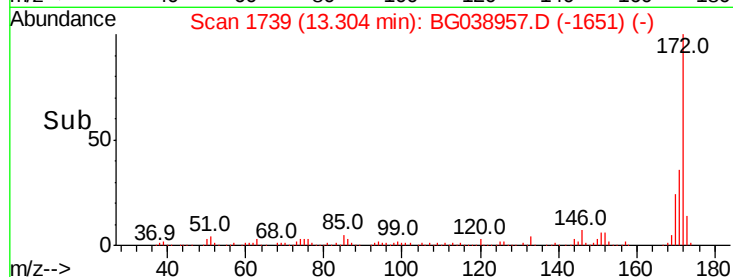
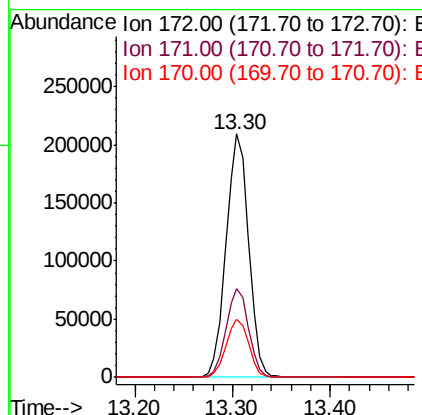
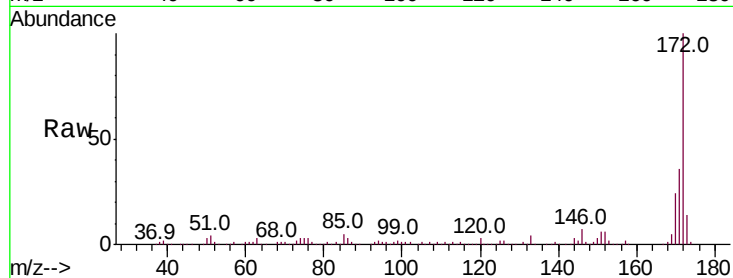




#45
 2-Fluorobiphenyl
 Concen: 62.722 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038957.D
 Acq: 5 Jan 2019 10:12

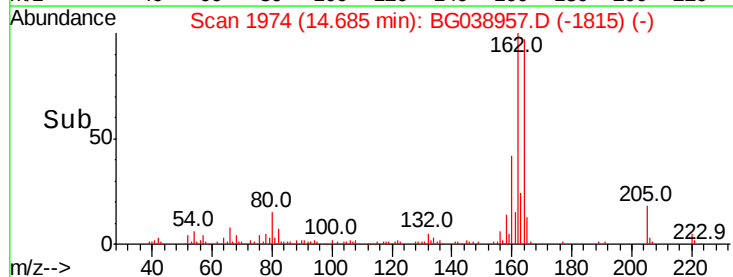
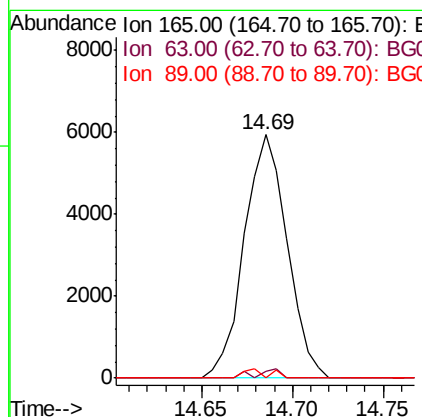
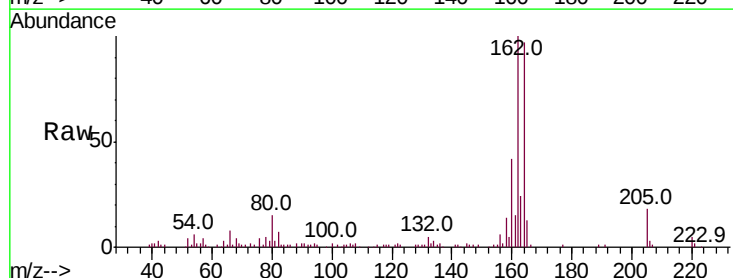
Instrument :
 BNA_G
 ClientSampleId :

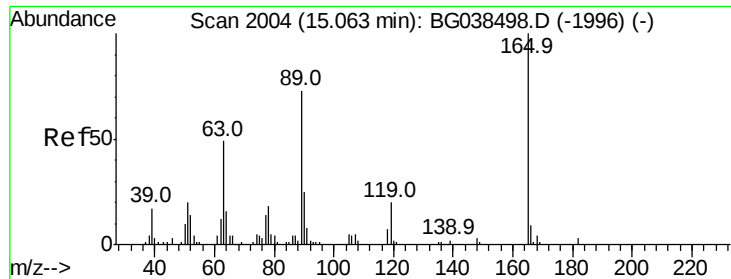
Tot Ion:172 Resp: 334541
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.197 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038957.D
 Acq: 5 Jan 2019 10:12

Tgt Ion:165 Resp: 9745
 Ion Ratio Lower Upper
 165 100
 63 3.0 51.8 77.6#
 89 0.0 47.9 71.9#





#57

2,4-Dinitrotoluene

Concen: 5.110 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.38 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9745

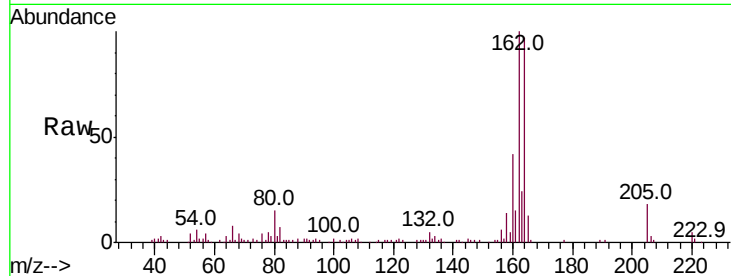
Ion Ratio Lower Upper

165 100

63 3.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

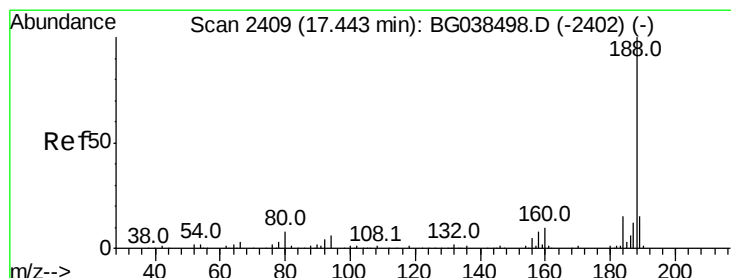
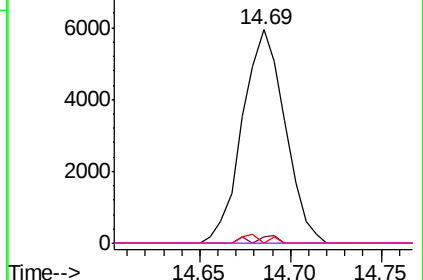
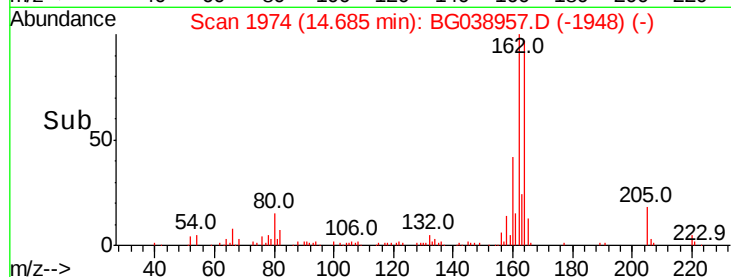


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2442

Delta R.T. -0.01 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

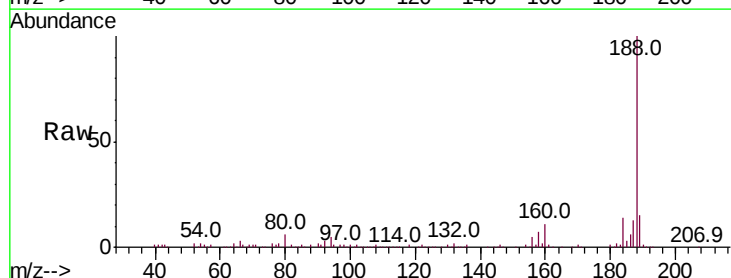
Tgt Ion:188 Resp: 160003

Ion Ratio Lower Upper

188 100

94 5.3 5.1 7.7

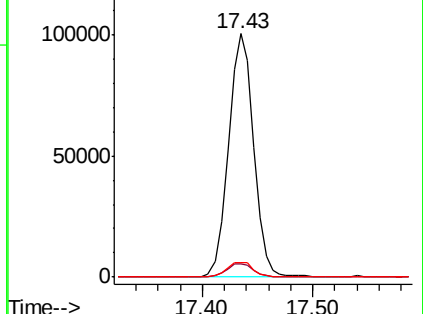
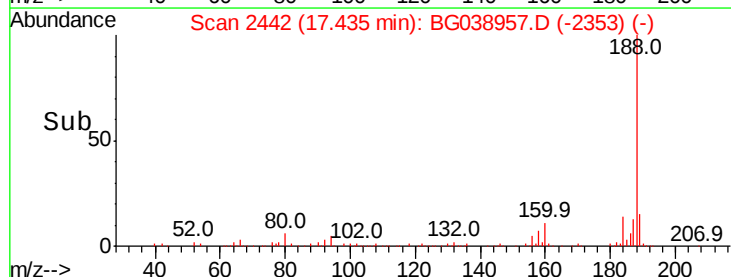
80 6.2 6.1 9.1

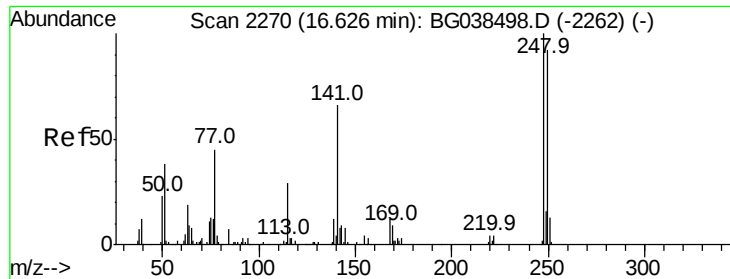


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

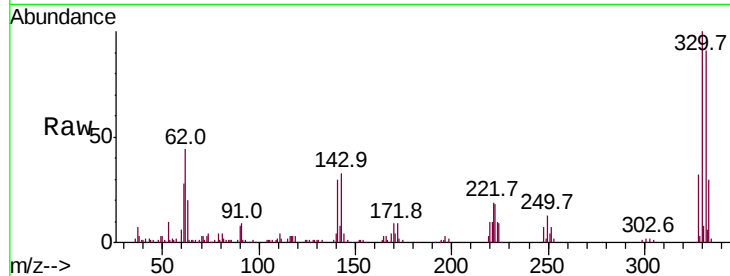




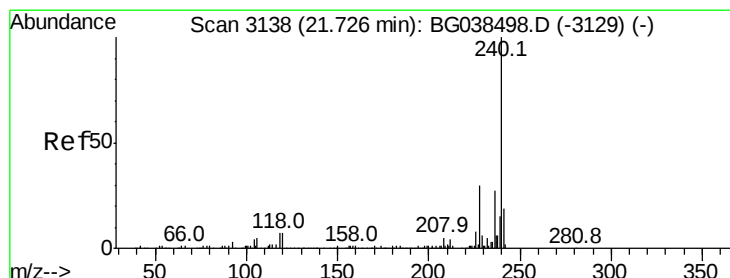
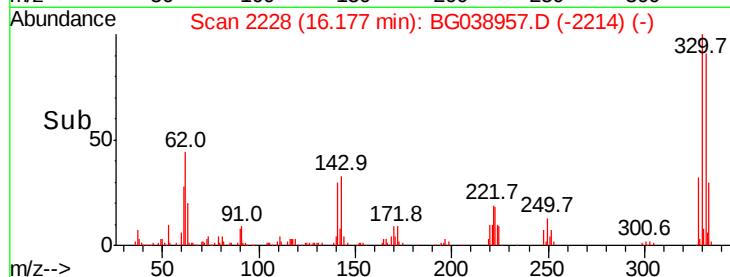
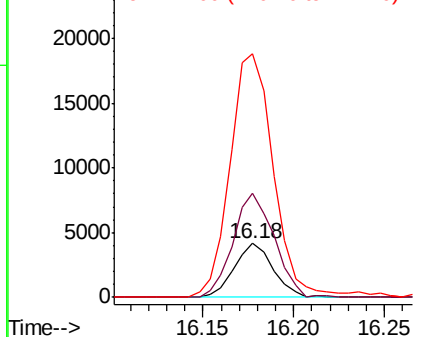
#67
 4-Bromophenyl-phenylether
 Concen: 3.144 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038957.D
 Acq: 5 Jan 2019 10:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 6144
 Ion Ratio Lower Upper
 248 100
 250 190.0 73.4 110.2#
 141 338.2 52.9 79.3#

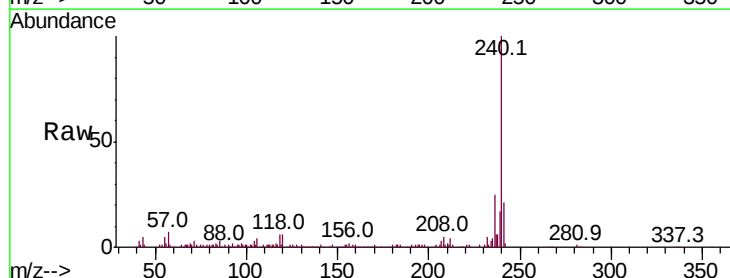


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

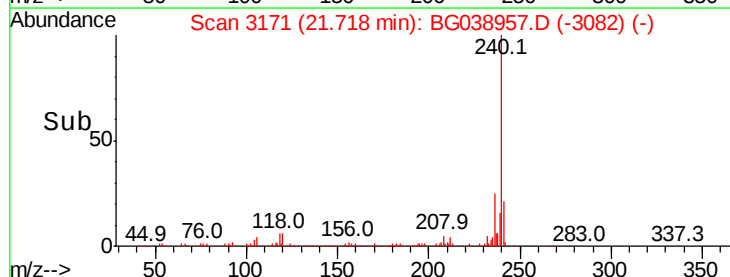
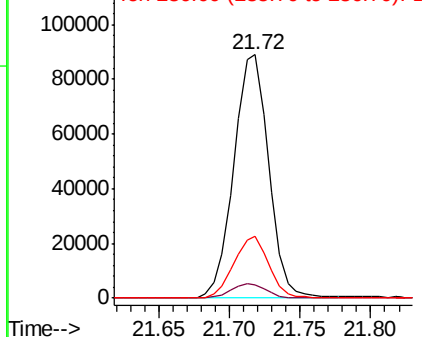


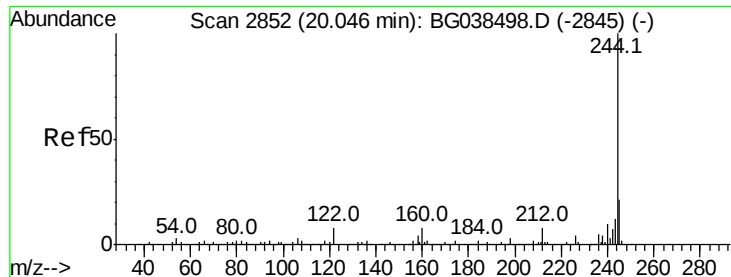
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038957.D
 Acq: 5 Jan 2019 10:12

Tgt Ion:240 Resp: 153683
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.3 7.9
 236 25.5 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





#79

Terphenyl-d14

Concen: 71.125 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

Instrument :

BNA_G

ClientSampleId :

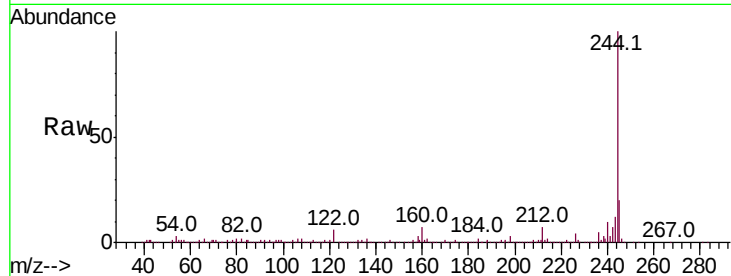
Tot Ion:244 Resp: 502251

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

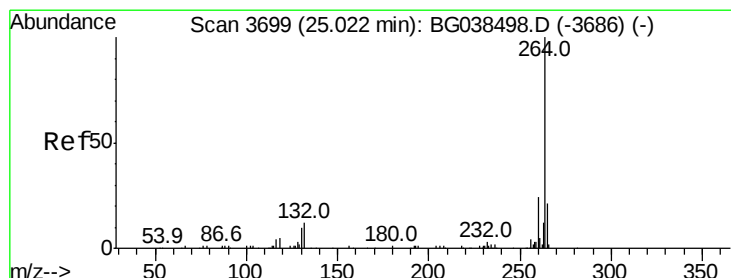
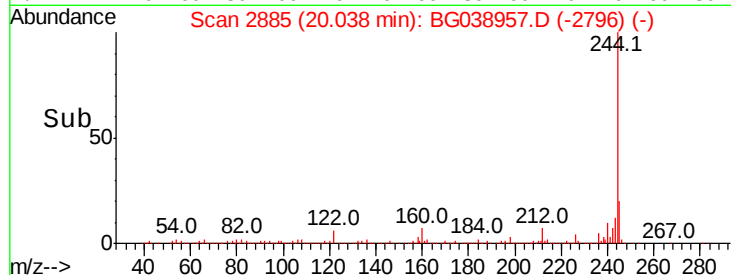
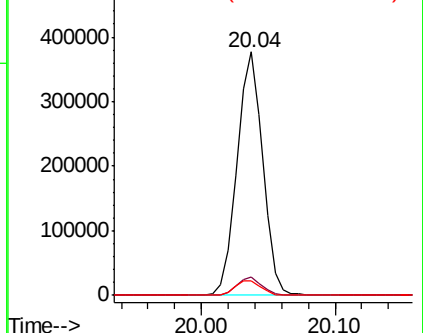
122 6.2 6.3 9.5#



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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038957.D

Acq: 5 Jan 2019 10:12

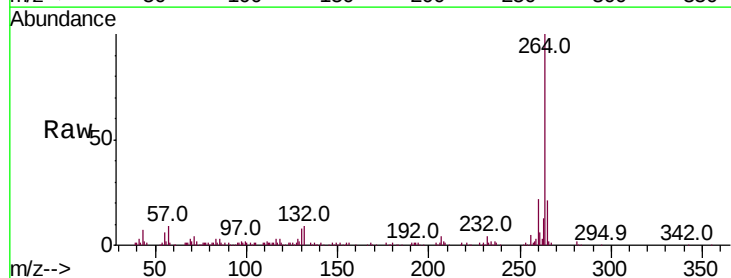
Tgt Ion:264 Resp: 166218

Ion Ratio Lower Upper

264 100

260 22.5 18.9 28.3

265 20.7 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

