

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038917.D
 Acq On : 3 Jan 2019 23:57
 Operator : JU/SJ
 Sample : K1017-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:14:15 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

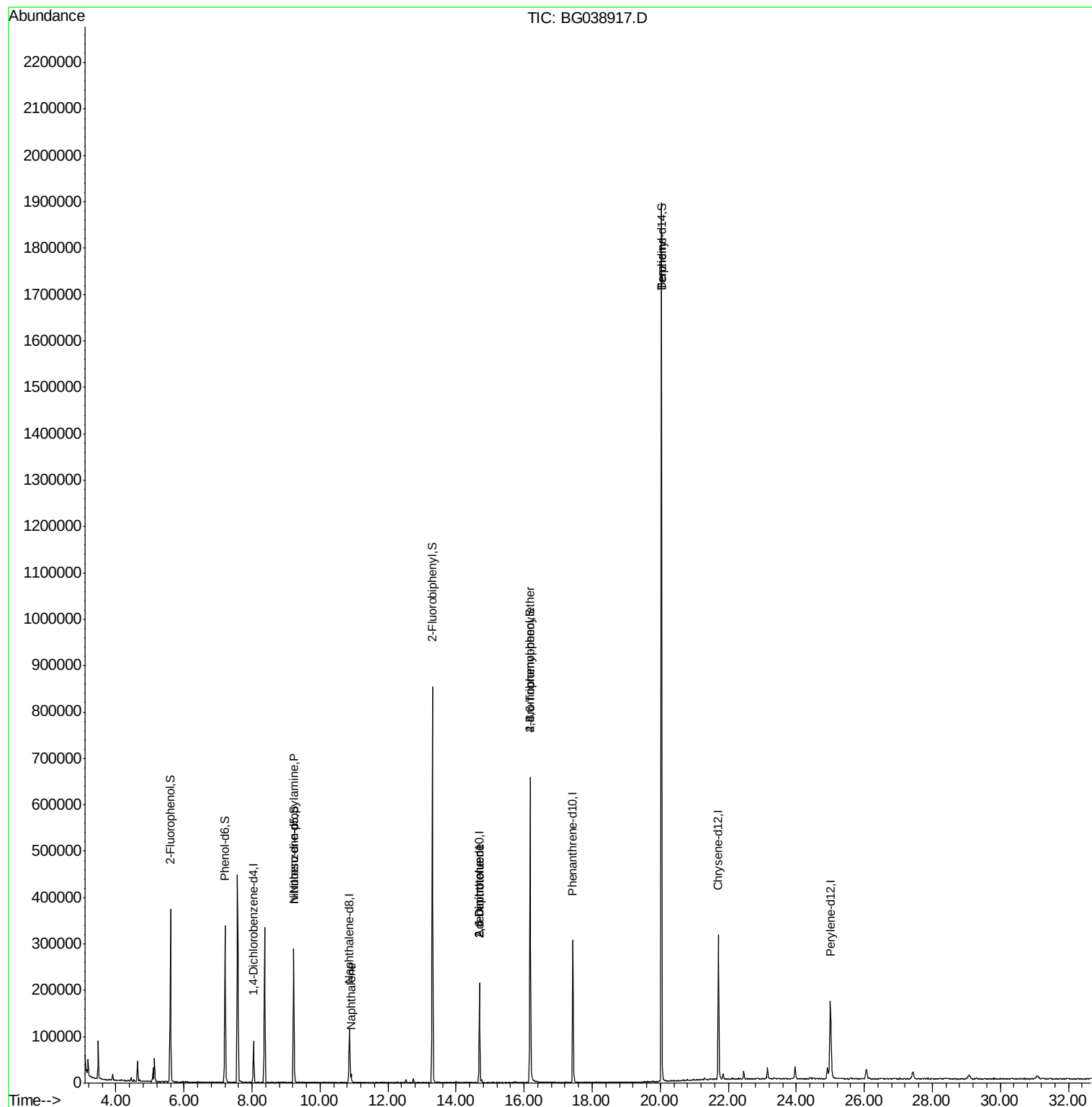
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26941	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	106945	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	79469	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	212668	20.00	ng	0.00
76) Chrysene-d12	21.71	240	215779	20.00	ng	-0.01
87) Perylene-d12	25.00	264	220261	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	166728	109.76	ng	0.00
7) Phenol-d6	7.21	99	200114	95.97	ng	0.00
23) Nitrobenzene-d5	9.23	82	172695	82.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	153891	140.51	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	472465	81.56	ng	-0.01
79) Terphenyl-d14	20.04	244	966245	97.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	22824	15.584	ng	# 69
31) Naphthalene	10.92	128	16495	3.130	ng	# 94
51) 2,6-Dinitrotoluene	14.69	165	10128	6.887	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	10128	4.889	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	9801	3.774	ng	# 1
77) Benzidine	20.03	184	16317	2.557	ng	# 94

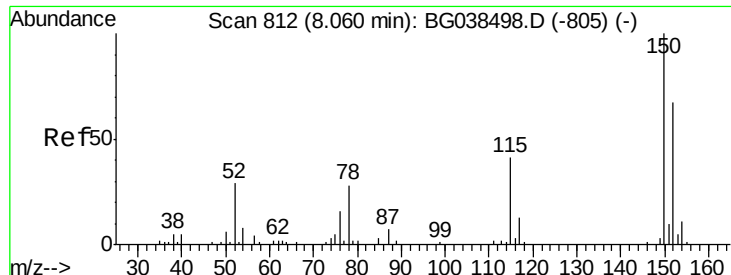
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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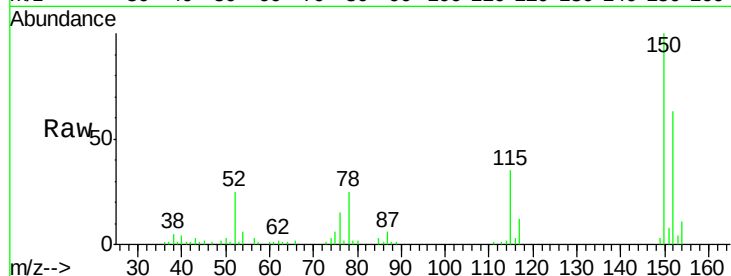


#1

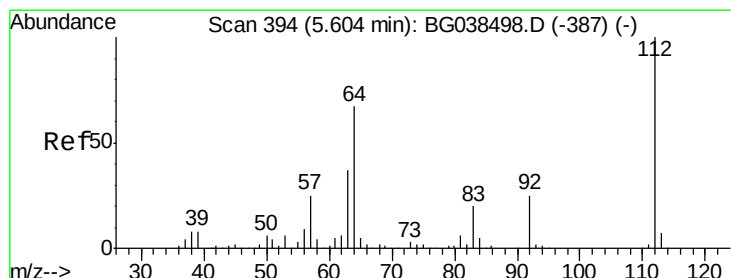
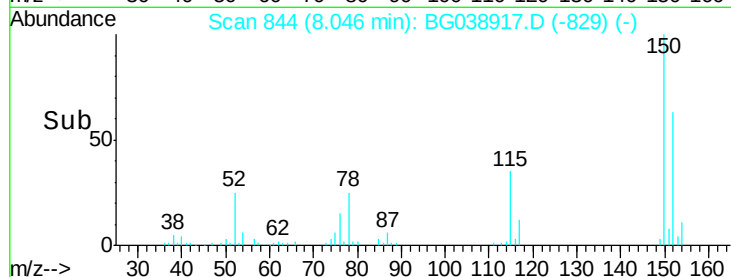
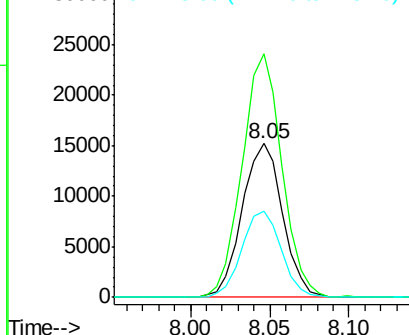
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26941
Ion Ratio Lower Upper
152 100
150 158.5 119.5 179.3
115 56.2 49.6 74.4



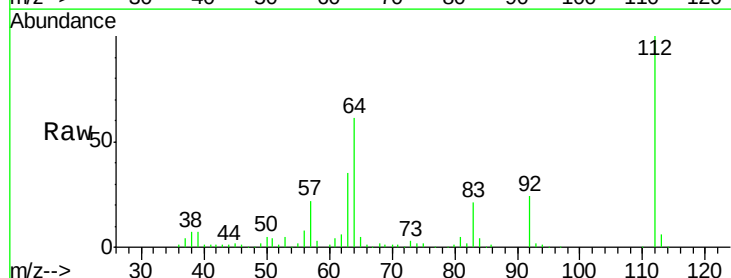
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



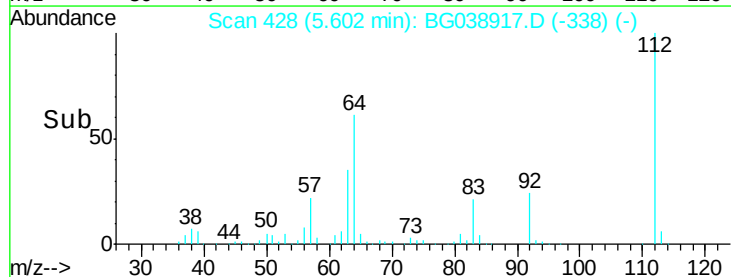
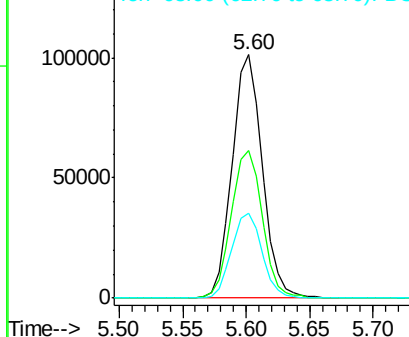
#5

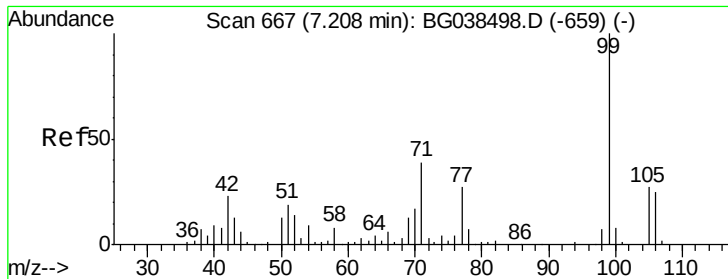
2-Fluorophenol
Concen: 109.765 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:112 Resp: 166728
Ion Ratio Lower Upper
112 100
64 60.6 53.4 80.2
63 34.9 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: 95.967 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

Instrument :

BNA_G

ClientSampled :

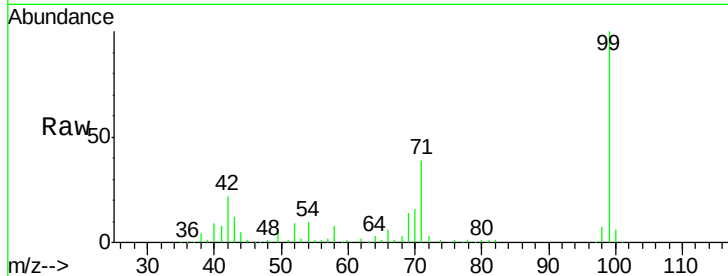
Tot Ion: 99 Resp: 200114

Ion Ratio Lower Upper

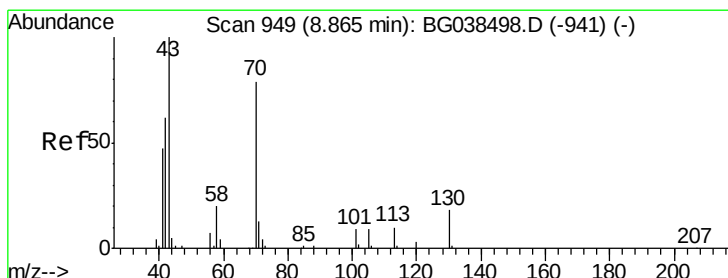
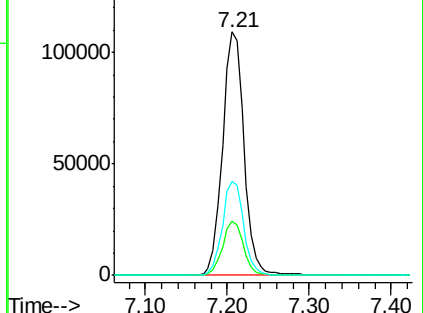
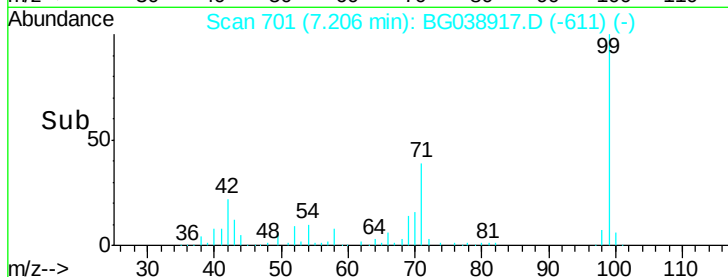
99 100

42 22.3 18.5 27.7

71 38.8 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: 15.584 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

Tgt Ion: 70 Resp: 22824

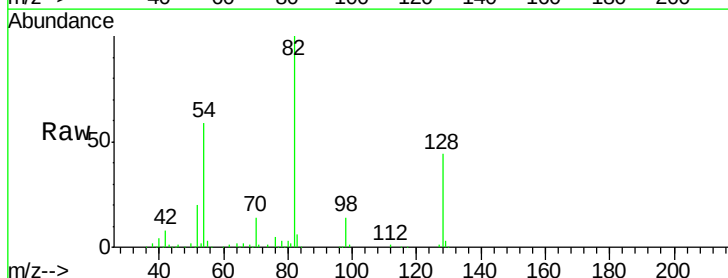
Ion Ratio Lower Upper

70 100

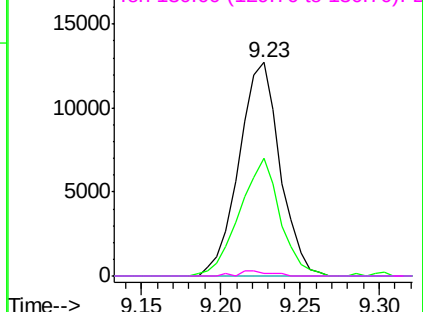
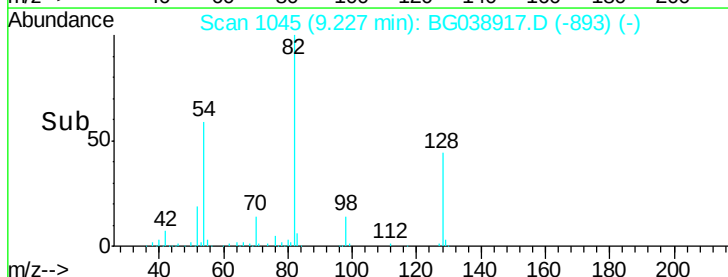
42 55.4 63.6 95.4#

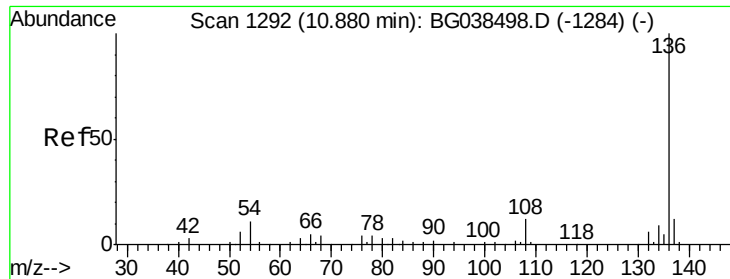
101 0.0 9.2 13.8#

130 1.4 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

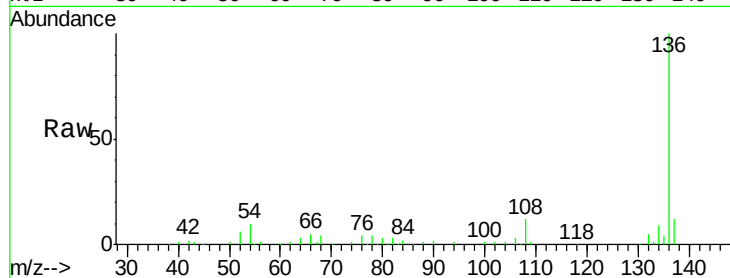




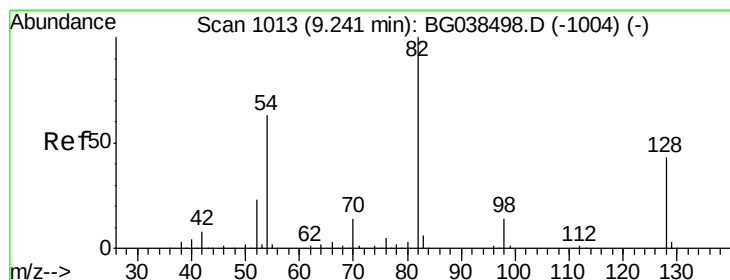
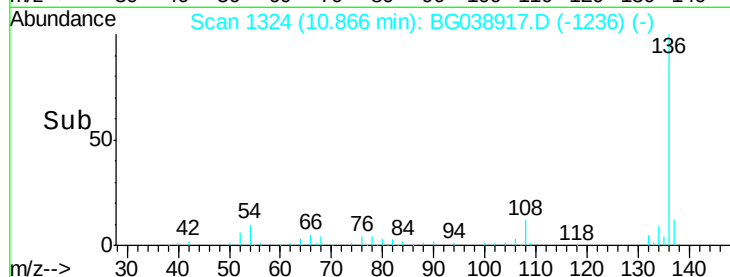
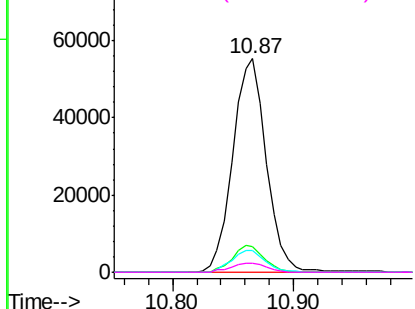
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	106945
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	10.0	8.5	12.7
68	4.0	3.5	5.3

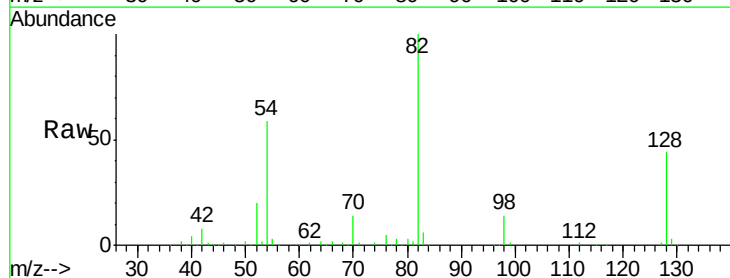


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

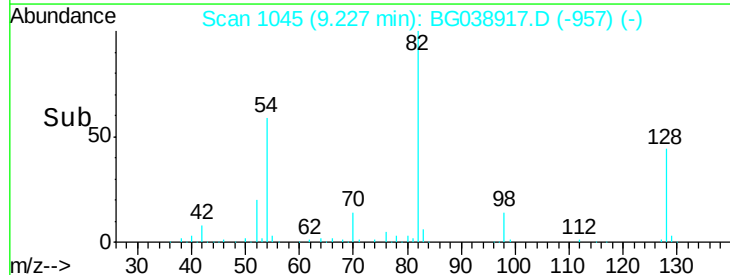
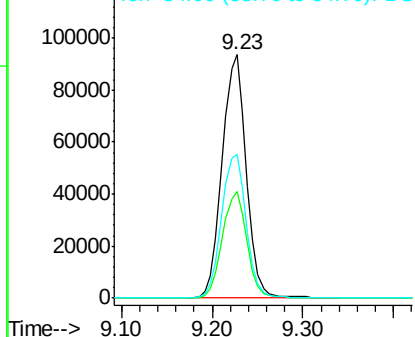


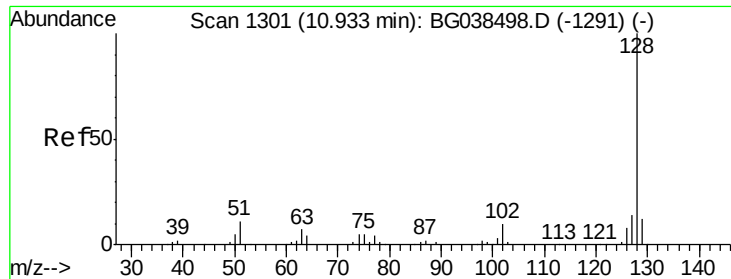
#23
Nitrobenzene-d5
Concen: 82.496 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:	82	Resp:	172695
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	59.1	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

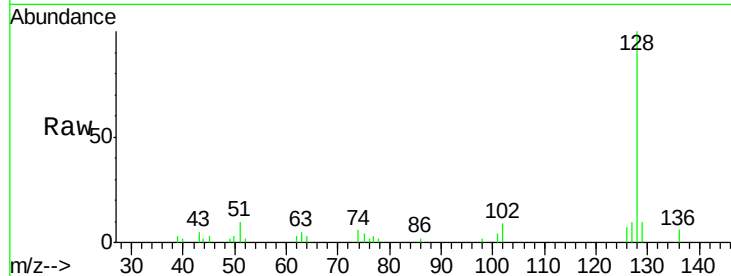




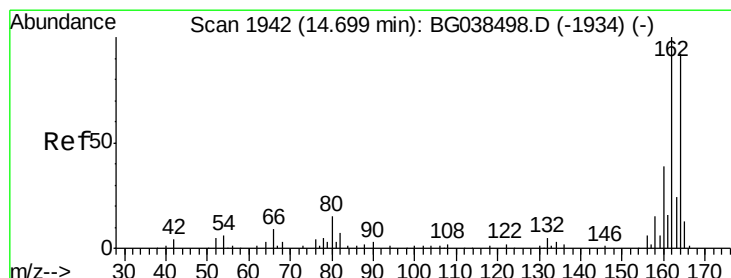
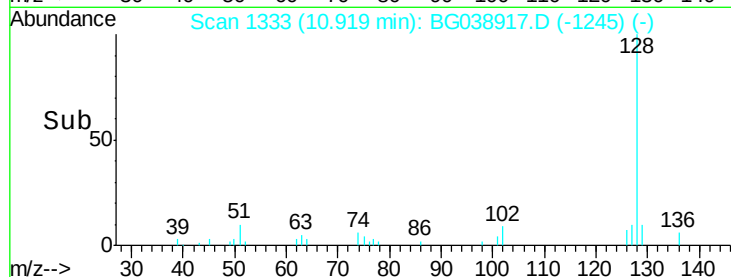
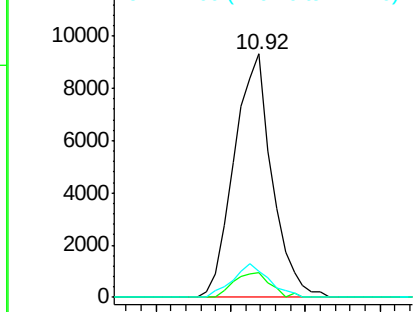
#31
Naphthalene
Concen: 3.130 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 16495
Ion Ratio Lower Upper
128 100
129 10.2 9.5 14.3
127 10.4 10.9 16.3#

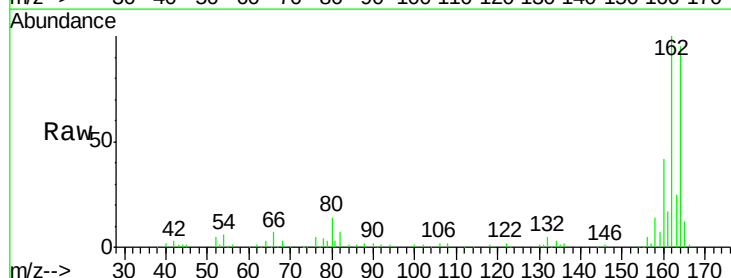


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

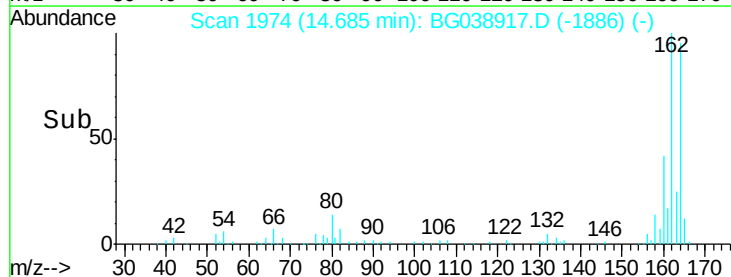
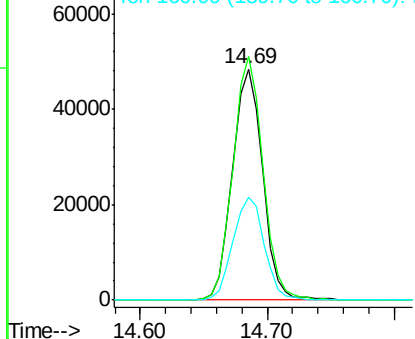


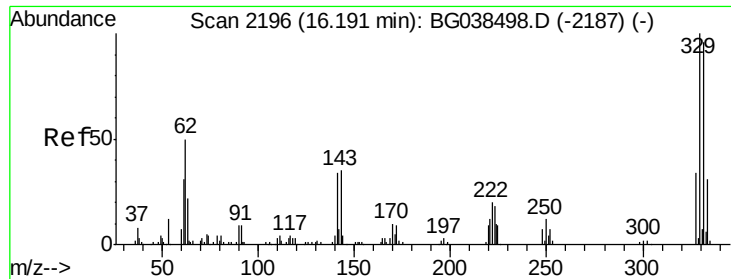
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:164 Resp: 79469
Ion Ratio Lower Upper
164 100
162 105.2 86.6 130.0
160 44.7 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: 140.511 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

Instrument :

BNA_G

ClientSampleId :

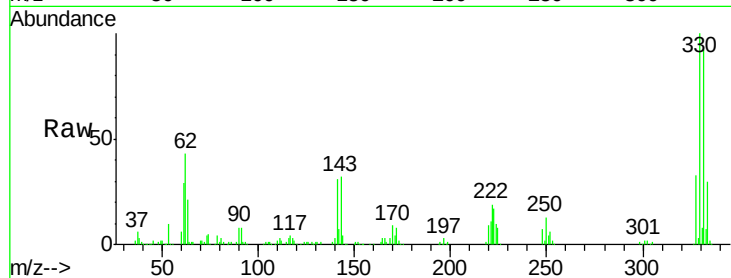
Tot Ion:330 Resp: 153891

Ion Ratio Lower Upper

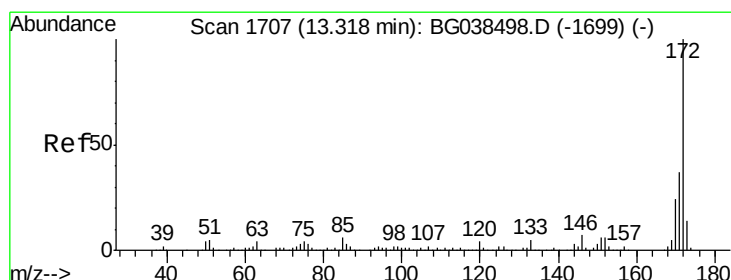
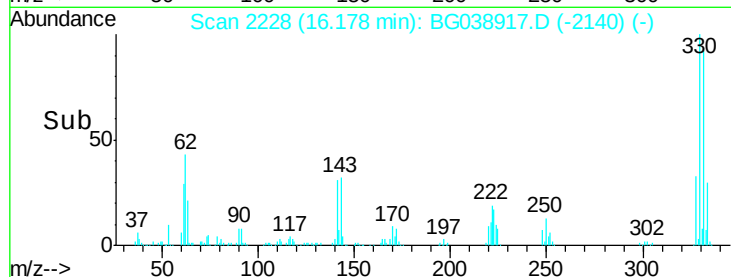
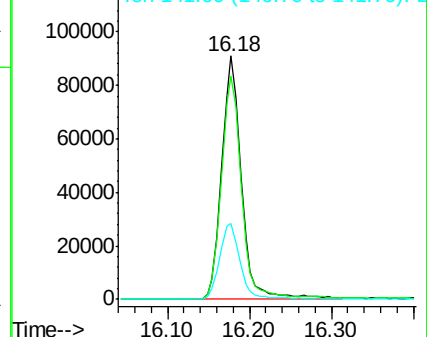
330 100

332 94.8 76.9 115.3

141 31.6 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: 81.560 ng

RT: 13.30 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

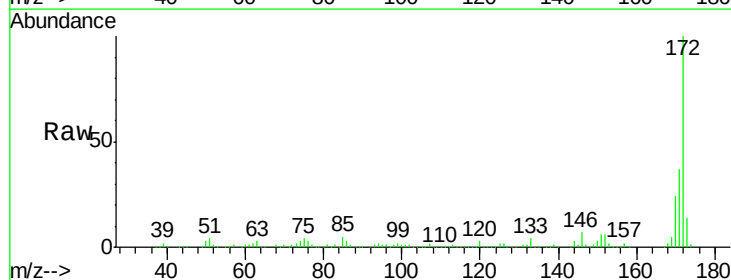
Tgt Ion:172 Resp: 472465

Ion Ratio Lower Upper

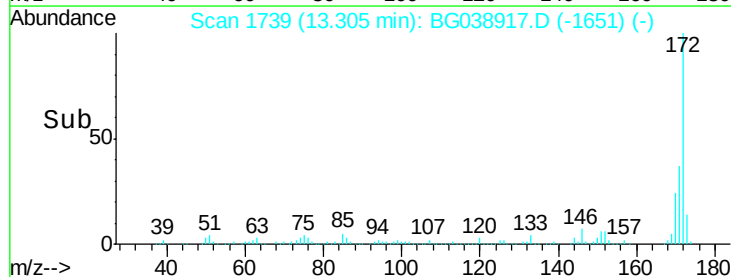
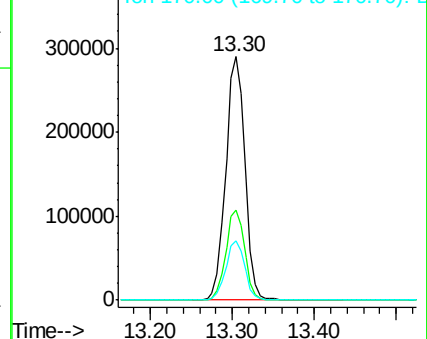
172 100

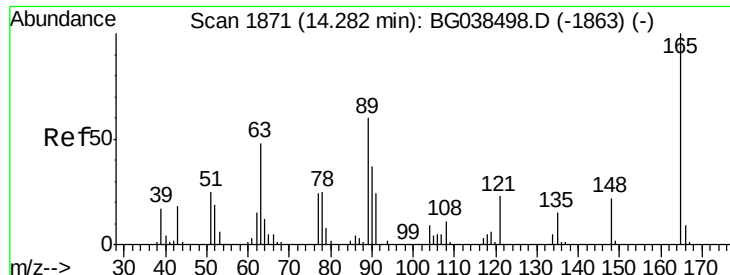
171 36.9 29.8 44.6

170 24.5 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

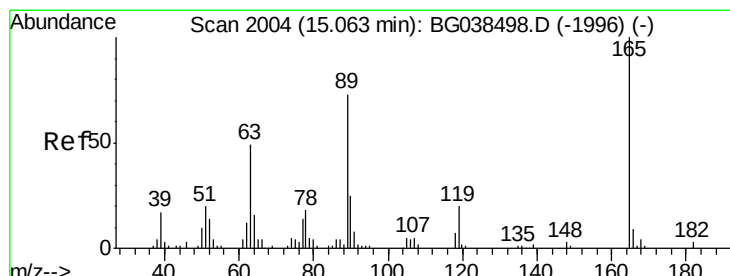
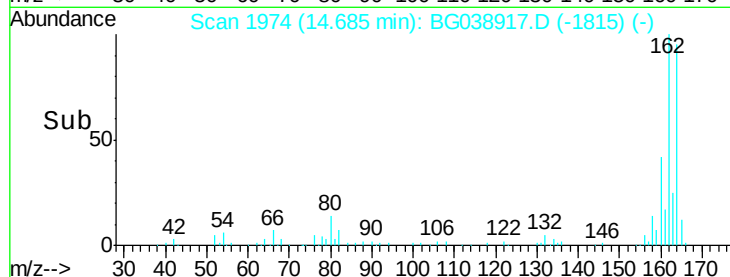
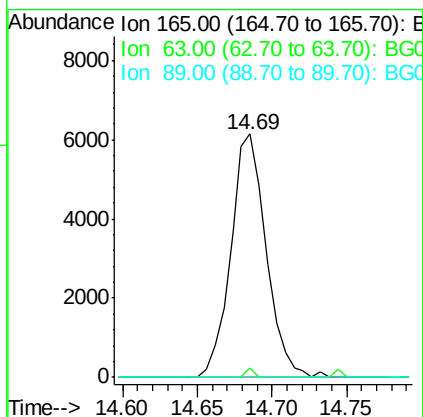
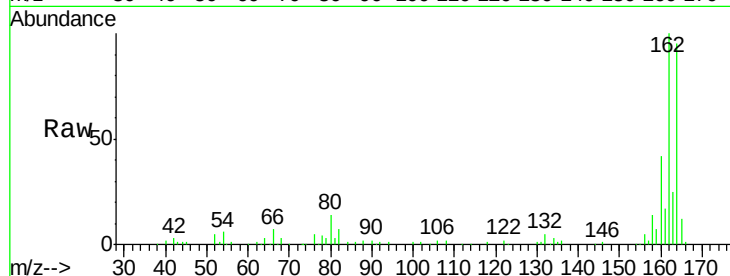




#51
 2,6-Dinitrotoluene
 Concen: 6.887 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038917.D
 Acq: 3 Jan 2019 23:57

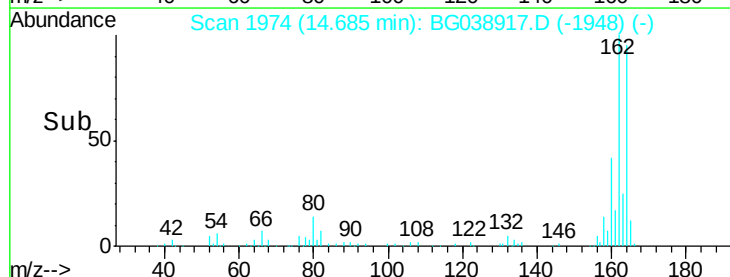
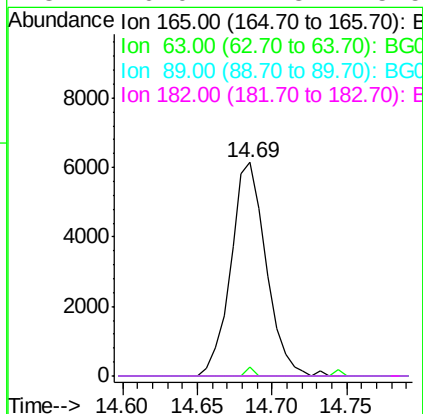
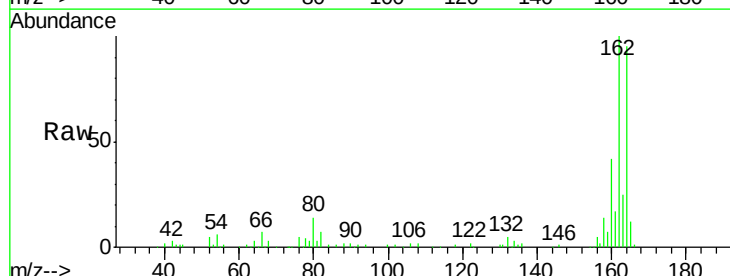
Instrument :
 BNA_G
 ClientSampleId :

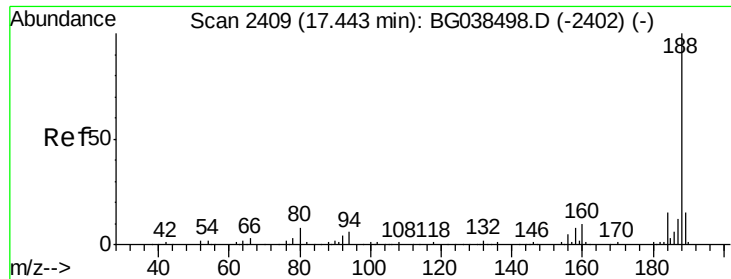
Tot Ion:165 Resp: 10128
 Ion Ratio Lower Upper
 165 100
 63 3.9 51.8 77.6#
 89 0.0 47.9 71.9#



#57
 2,4-Dinitrotoluene
 Concen: 4.889 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038917.D
 Acq: 3 Jan 2019 23:57

Tgt Ion:165 Resp: 10128
 Ion Ratio Lower Upper
 165 100
 63 3.9 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

Instrument :

BNA_G

ClientSampleId :

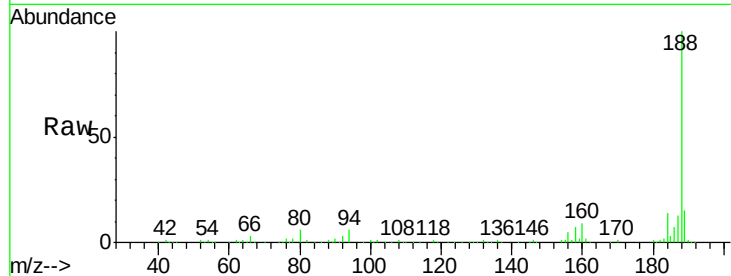
Tot Ion:188 Resp: 212668

Ion Ratio Lower Upper

188 100

94 5.8 5.1 7.7

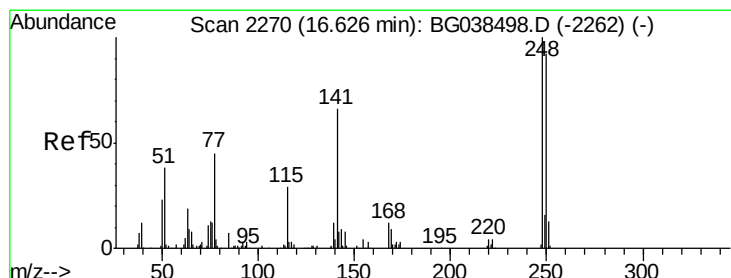
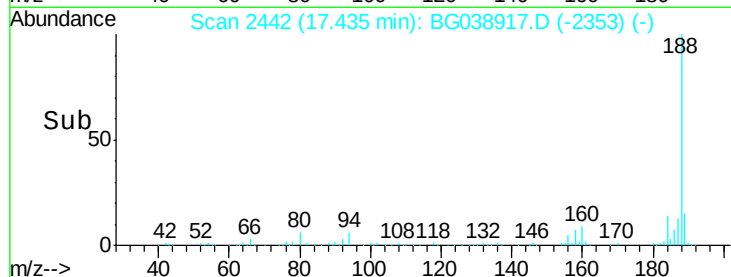
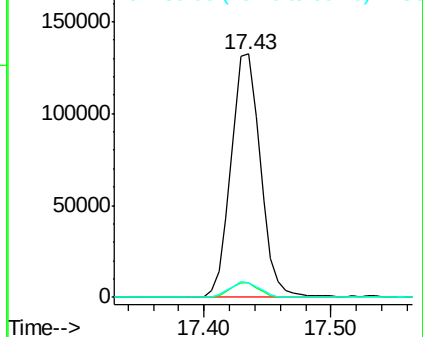
80 6.1 6.1 9.1#



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: 3.774 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

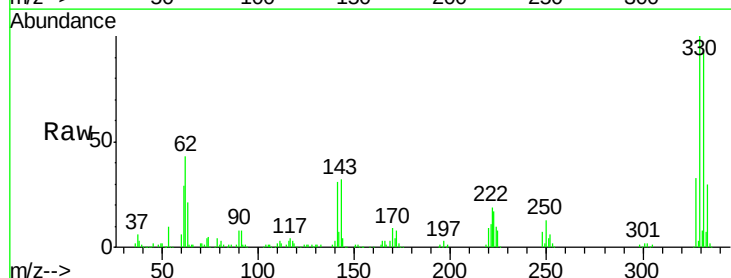
Tgt Ion:248 Resp: 9801

Ion Ratio Lower Upper

248 100

250 251.8 73.4 110.2#

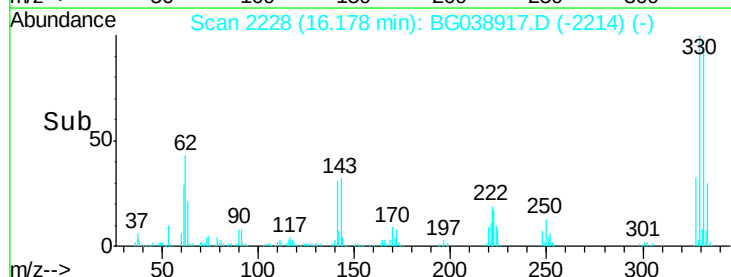
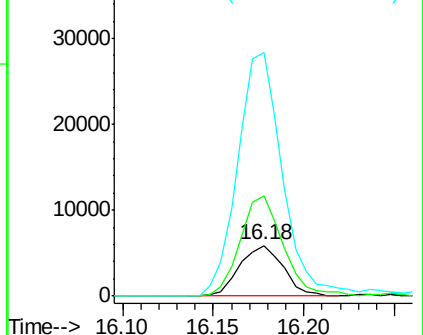
141 477.9 52.9 79.3#

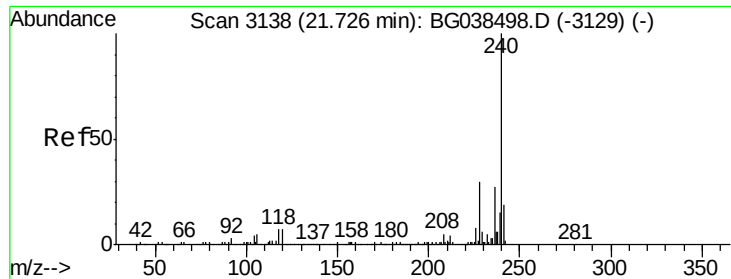


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG038917.D

Acq: 3 Jan 2019 23:57

Instrument :

BNA_G

ClientSampleId :

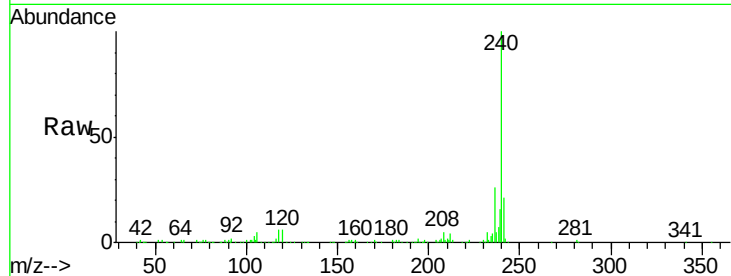
Tot Ion:240 Resp: 215779

Ion Ratio Lower Upper

240 100

120 6.4 5.3 7.9

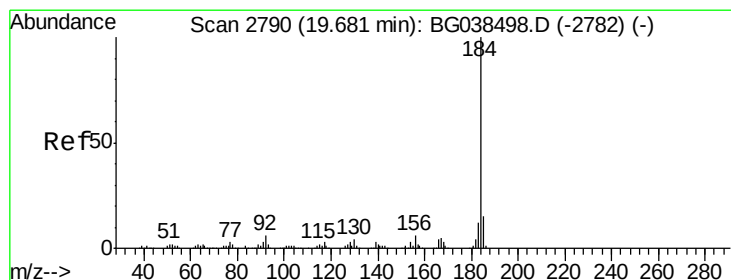
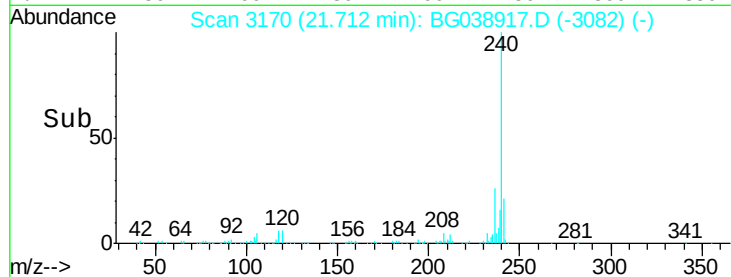
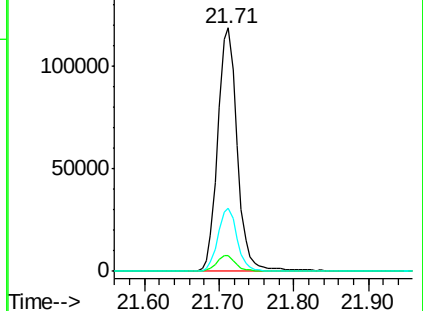
236 25.8 21.4 32.2



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: 2.557 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

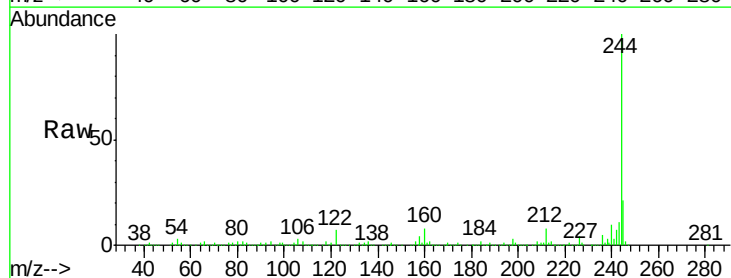
Tgt Ion:184 Resp: 16317

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

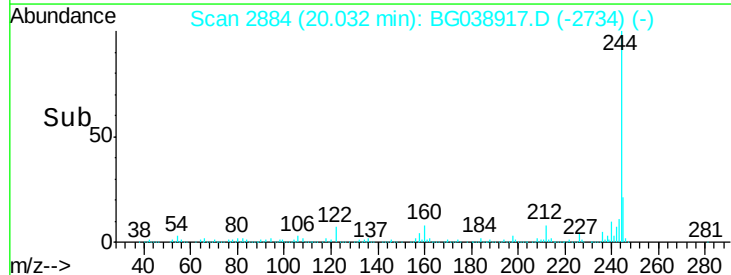
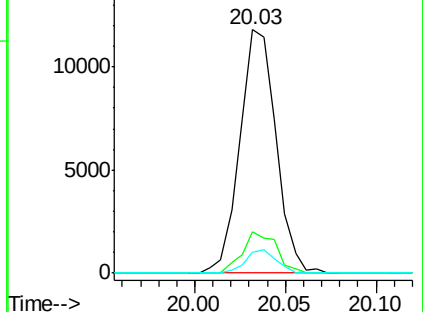
183 8.5 9.6 14.4#

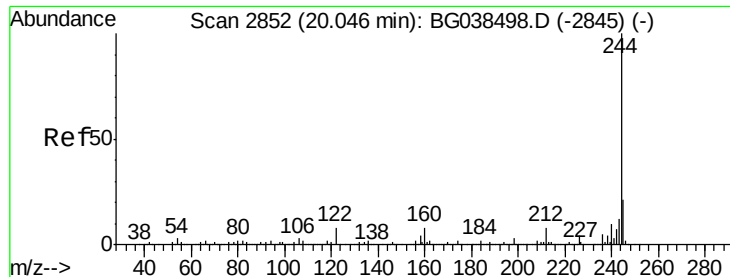


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.455 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038917.D

Acq: 3 Jan 2019 23:57

Instrument :

BNA_G

ClientSampleId :

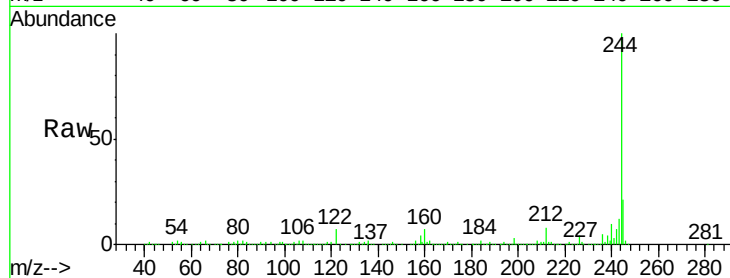
Tot Ion:244 Resp: 966245

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

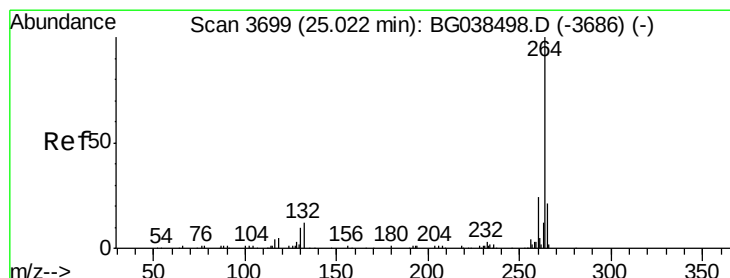
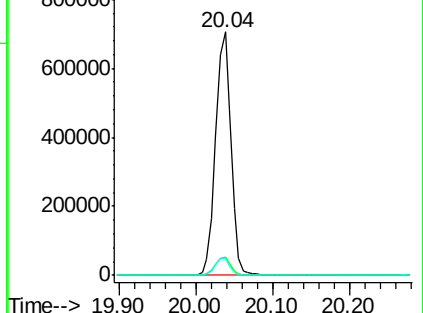
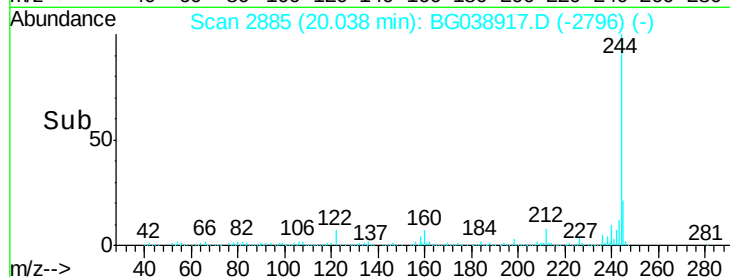
122 6.9 6.3 9.5



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: BG038917.D

Acq: 3 Jan 2019 23:57

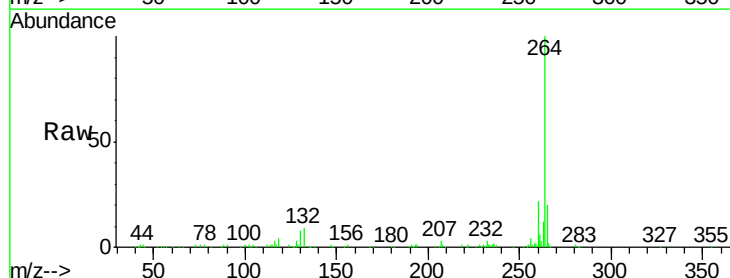
Tgt Ion:264 Resp: 220261

Ion Ratio Lower Upper

264 100

260 22.0 18.9 28.3

265 20.2 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

