

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038987.D
 Acq On : 8 Jan 2019 6:22
 Operator : JU/SJ
 Sample : K1012-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 06:57:35 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

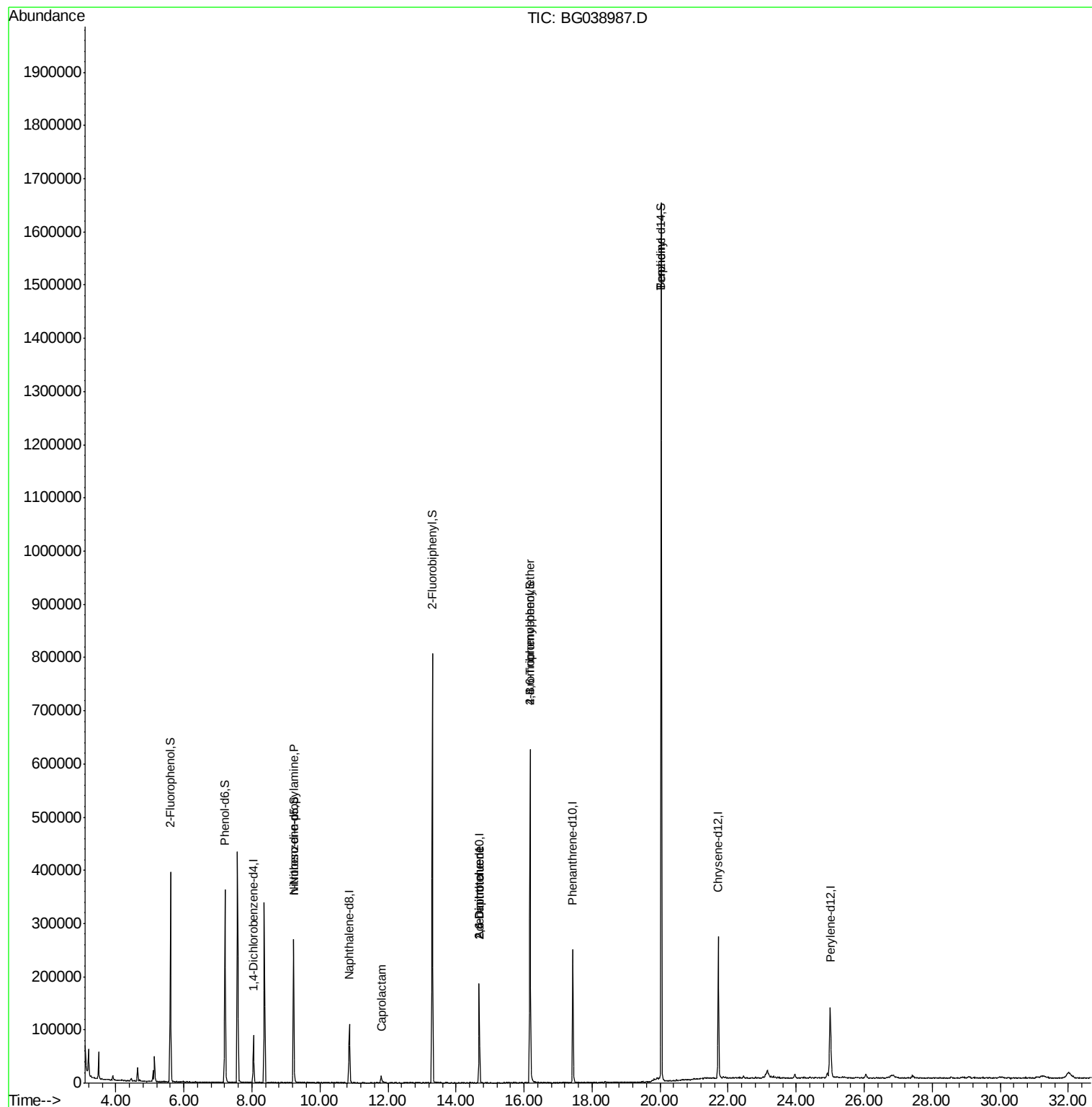
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26060	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	100882	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	70032	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	171848	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	178038	20.00	ng	-0.02
87) Perylene-d12	25.00	264	180449	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	170240	115.87	ng	0.00
7) Phenol-d6	7.21	99	206935	102.59	ng	0.00
23) Nitrobenzene-d5	9.22	82	160025	81.04	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	139429	144.46	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	436622	85.53	ng	-0.02
79) Terphenyl-d14	20.03	244	817309	99.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	21283	15.023	ng	# 66
35) Caprolactam	11.80	113	2983	4.422	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	9047	6.981	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	9047	4.956	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	8719	4.154	ng	# 1
77) Benzidine	20.03	184	12720	2.416	ng	# 93

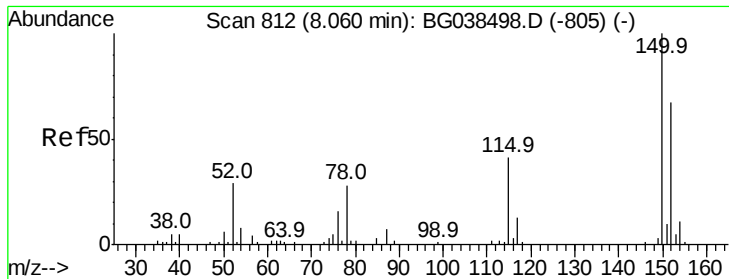
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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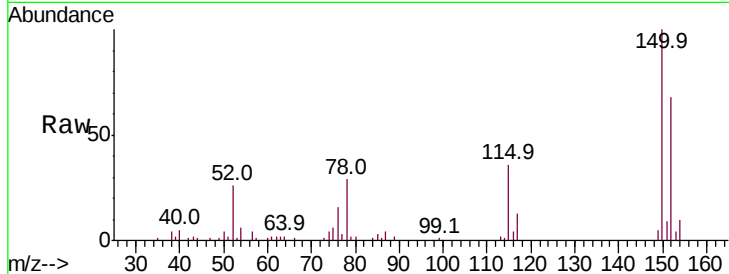


#1

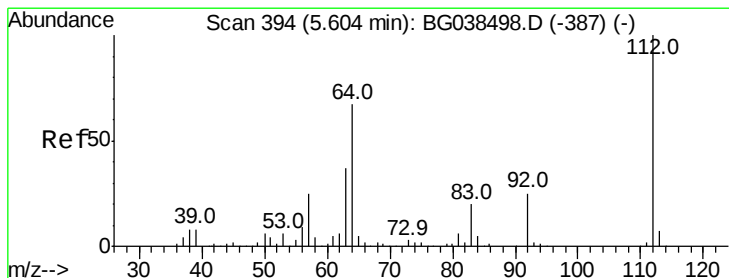
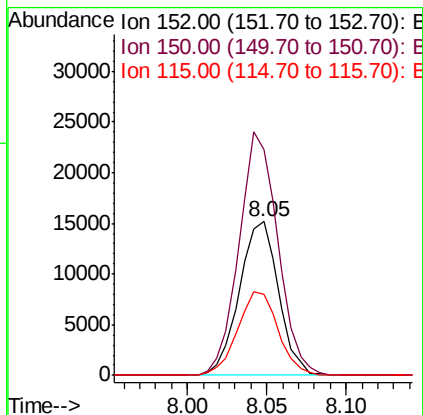
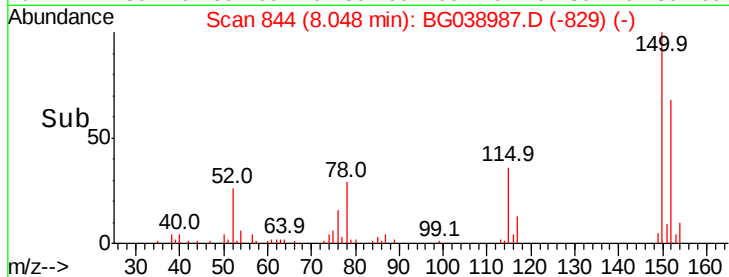
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038987.D
Acq: 8 Jan 2019 6:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26060
Ion Ratio Lower Upper
152 100
150 147.3 119.5 179.3
115 52.8 49.6 74.4



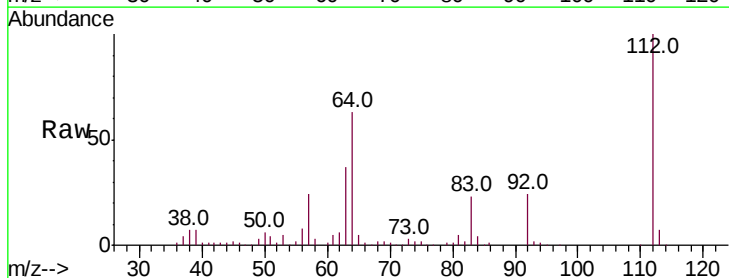
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



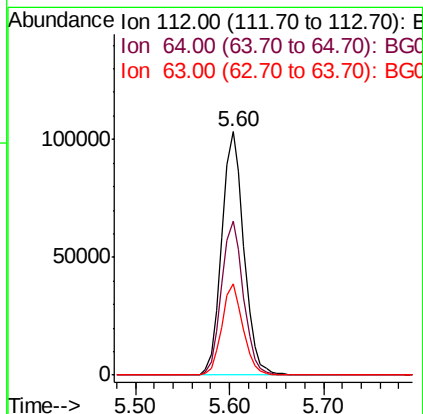
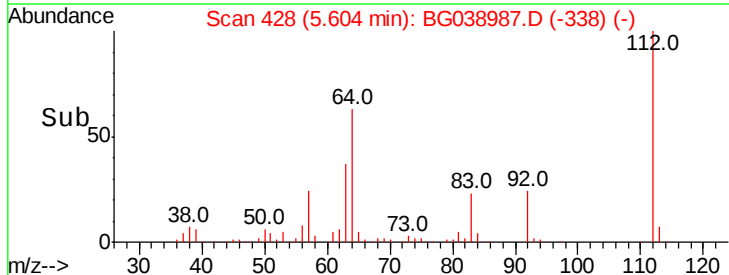
#5

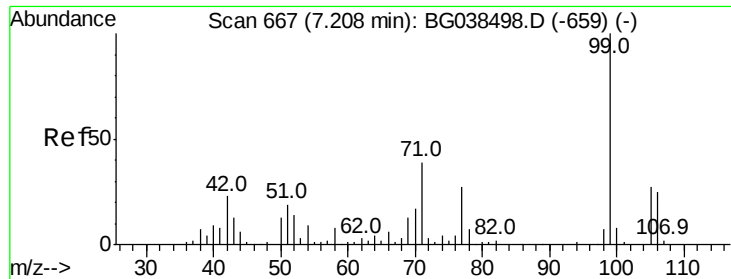
2-Fluorophenol
Concen: 115.866 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038987.D
Acq: 8 Jan 2019 6:22

Tgt Ion:112 Resp: 170240
Ion Ratio Lower Upper
112 100
64 63.2 53.4 80.2
63 37.3 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: 102.593 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

Instrument :
BNA_G
ClientSampleId :

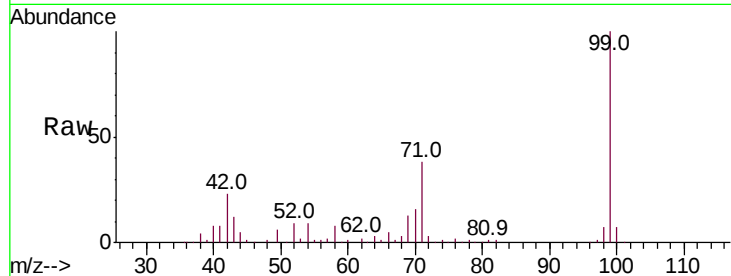
Tot Ion: 99 Resp: 206935

Ion Ratio Lower Upper

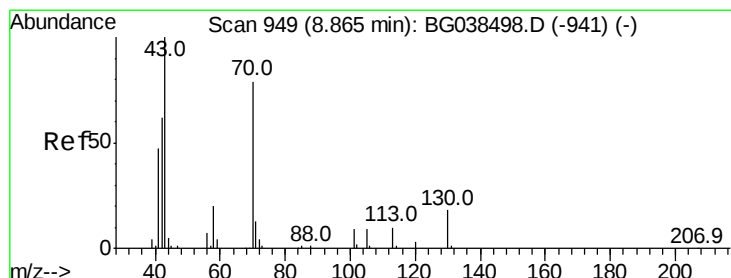
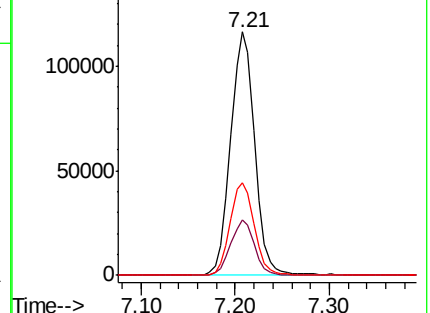
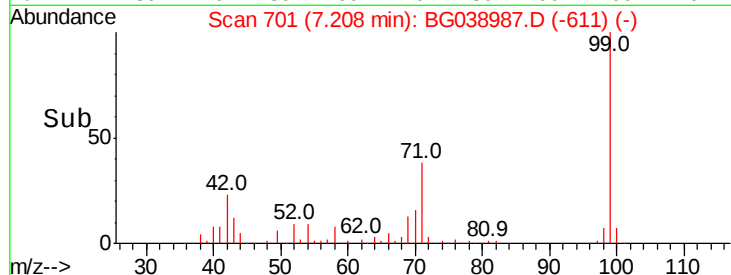
99 100

42 22.8 18.5 27.7

71 37.9 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: 15.023 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

Tgt Ion: 70 Resp: 21283

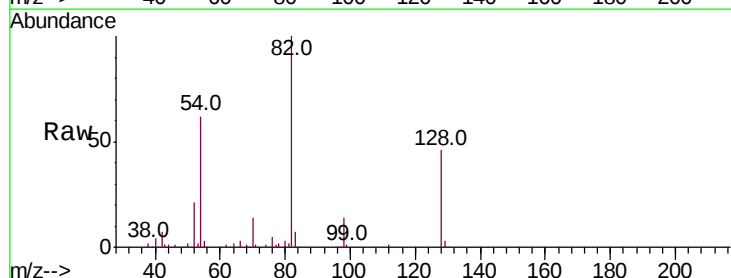
Ion Ratio Lower Upper

70 100

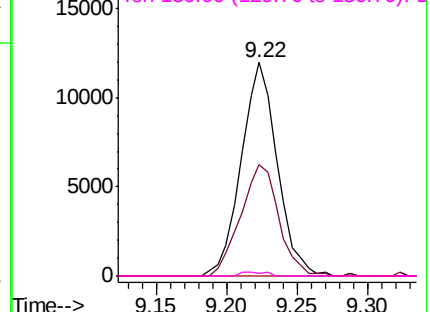
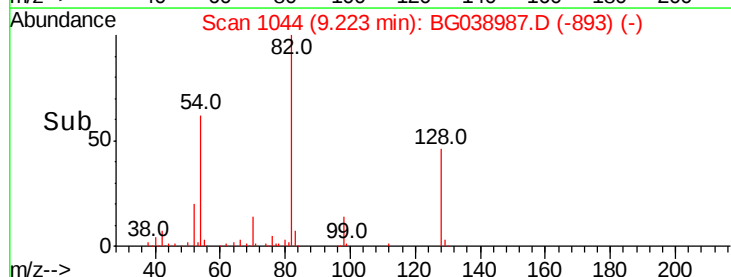
42 52.4 63.6 95.4#

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

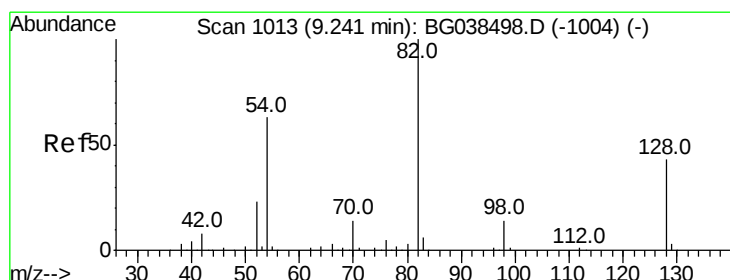
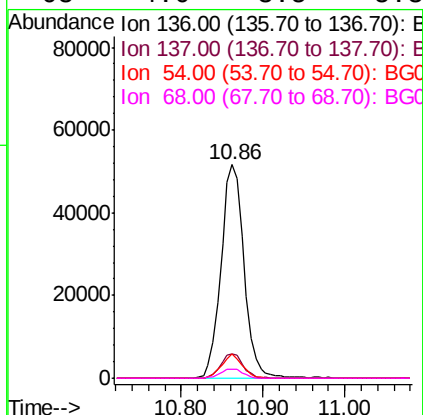
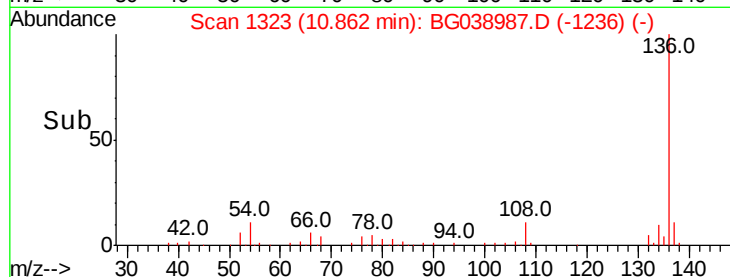
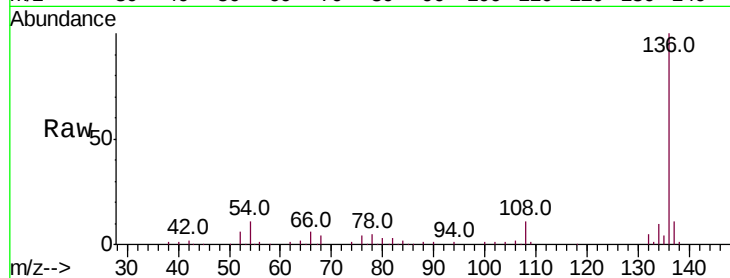




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038987.D
Acq: 8 Jan 2019 6:22

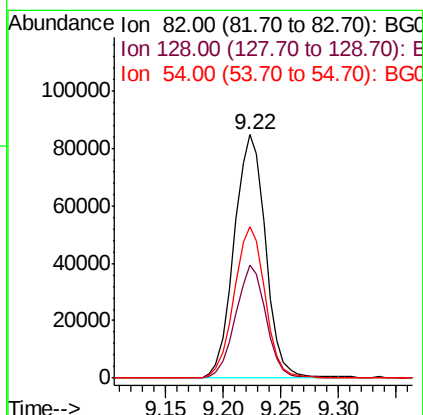
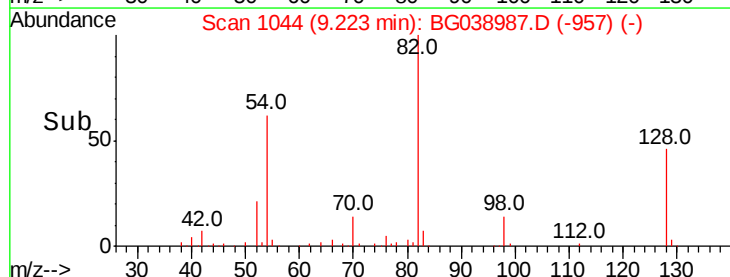
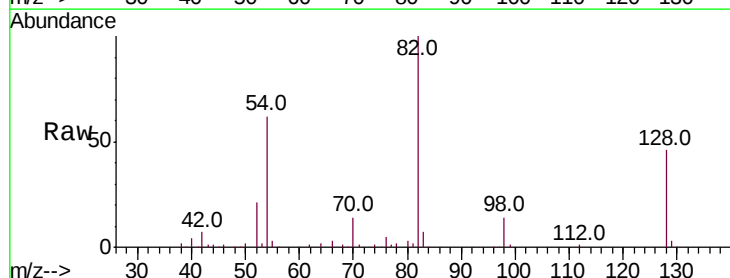
Instrument :
BNA_G
ClientSampleId :

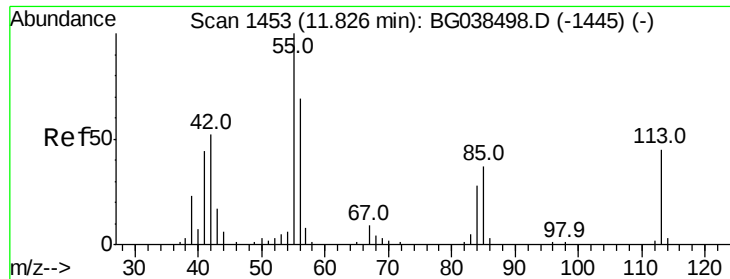
Tot Ion:	136	Resp:	100882
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	11.2	8.5	12.7
68	4.0	3.5	5.3



#23
Nitrobenzene-d5
Concen: 81.037 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038987.D
Acq: 8 Jan 2019 6:22

Tgt Ion:	82	Resp:	160025
Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.6	52.0
54	62.3	50.6	76.0





#35

Caprolactam

Concen: 4.422 ng

RT: 11.80 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

Instrument :

BNA_G

ClientSampled :

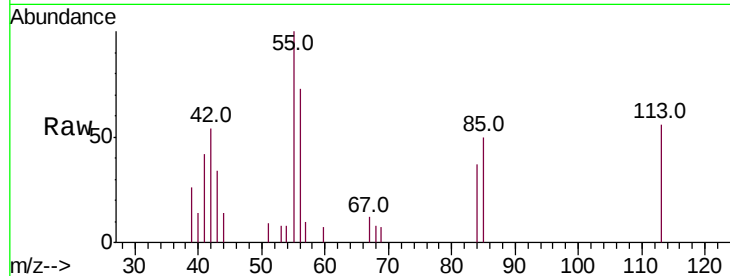
Tot Ion:113 Resp: 2983

Ion Ratio Lower Upper

113 100

55 177.7 204.3 244.3#

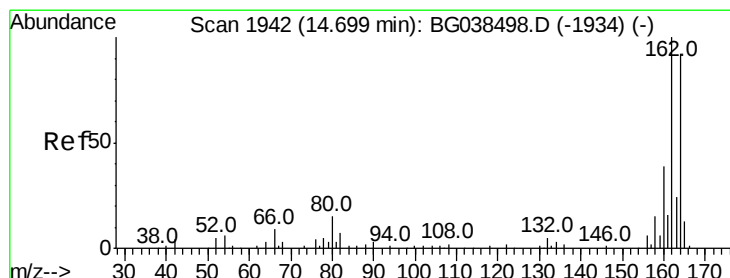
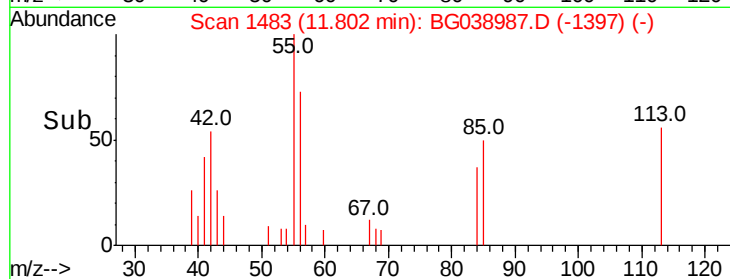
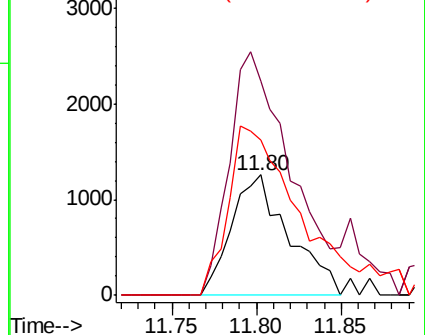
56 128.9 135.0 175.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

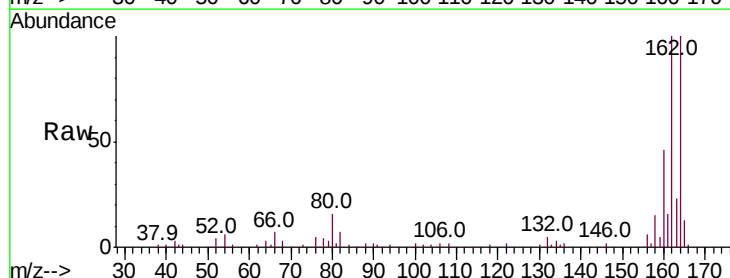
Tgt Ion:164 Resp: 70032

Ion Ratio Lower Upper

164 100

162 99.7 86.6 130.0

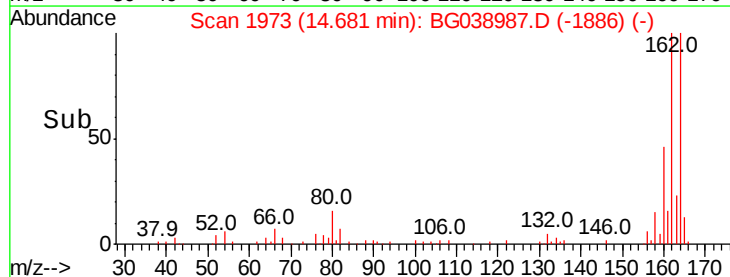
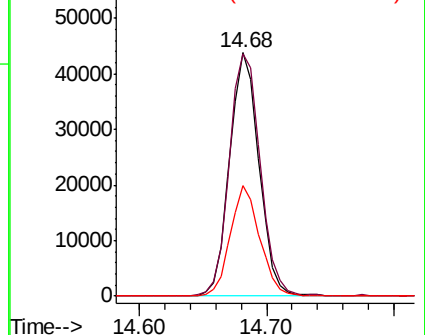
160 45.6 34.2 51.2

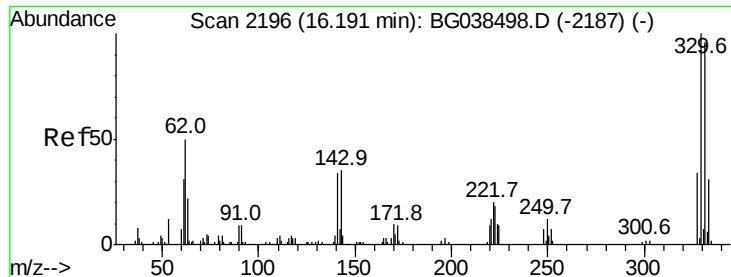


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

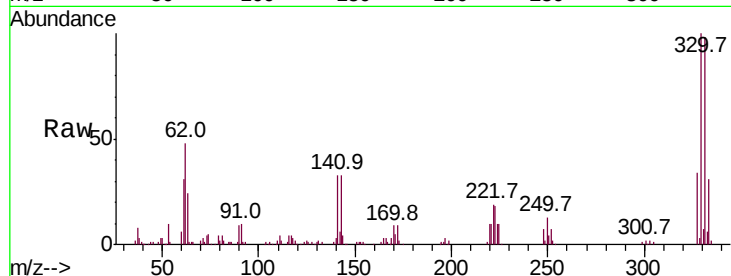




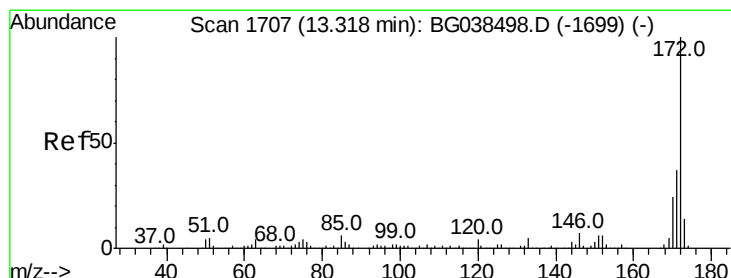
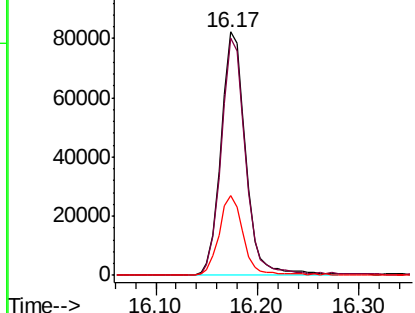
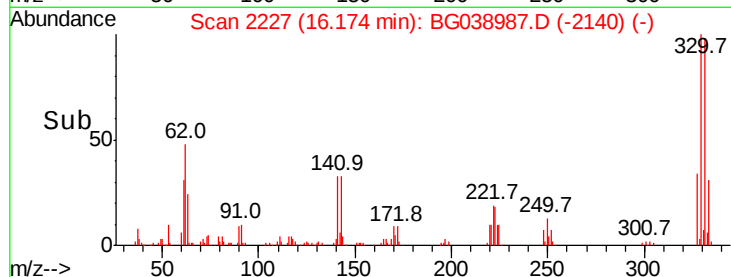
#42
 2,4,6-Tribromophenol
 Concen: 144.461 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.02 min
 Lab File: BG038987.D
 Acq: 8 Jan 2019 6:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	32.2	28.8	43.2

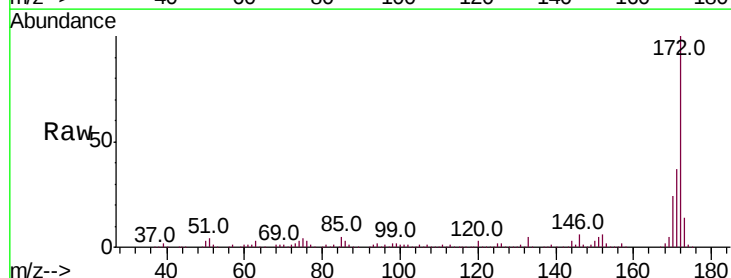


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

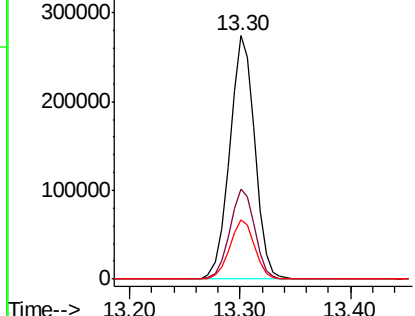
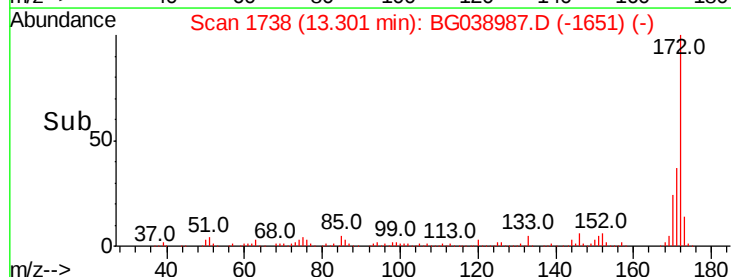


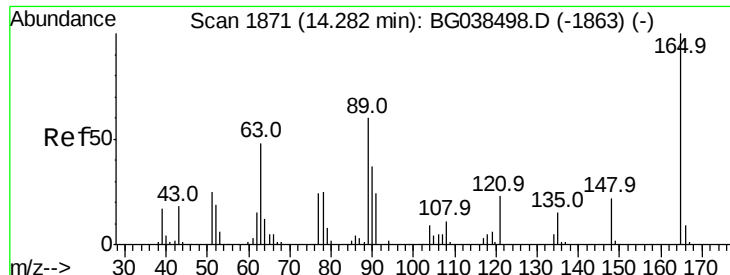
#45
 2-Fluorobiphenyl
 Concen: 85.529 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038987.D
 Acq: 8 Jan 2019 6:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	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

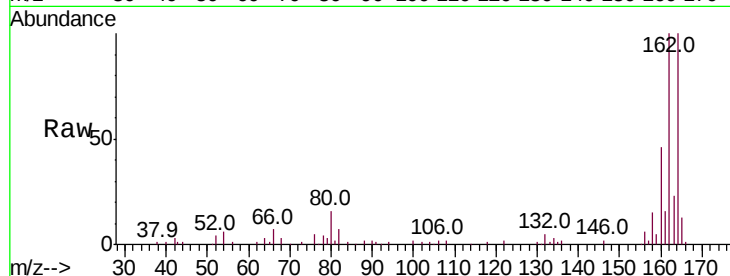




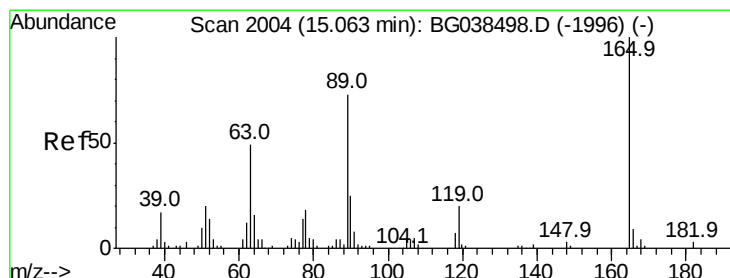
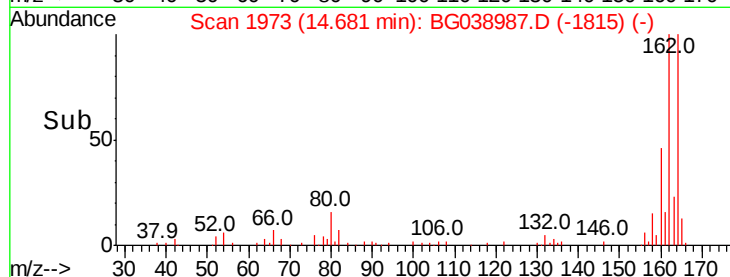
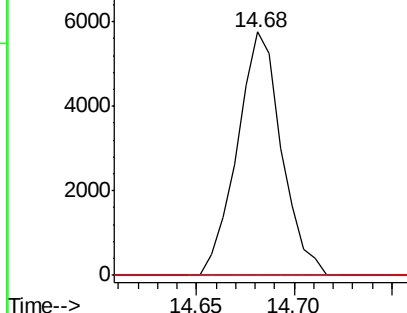
#51
 2,6-Dinitrotoluene
 Concen: 6.981 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038987.D
 Acq: 8 Jan 2019 6:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#



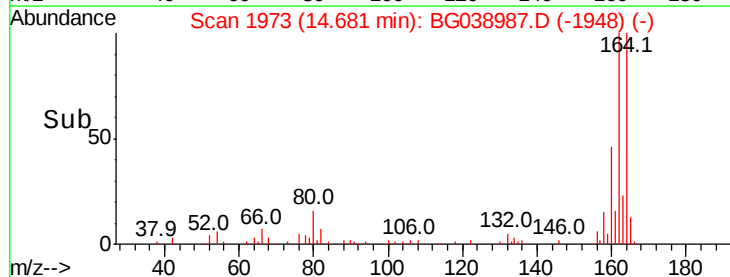
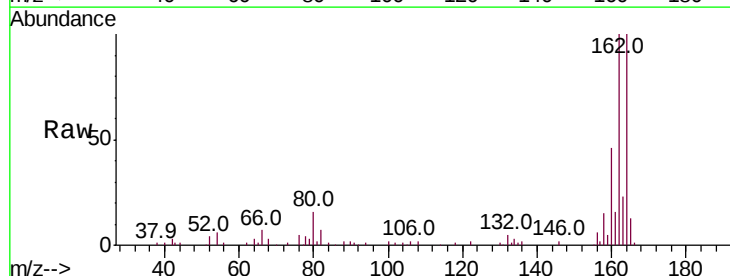
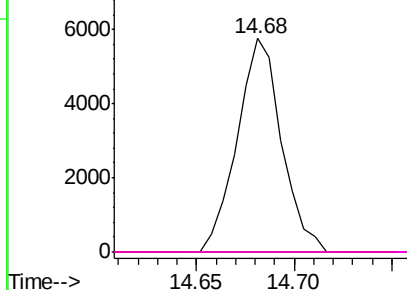
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

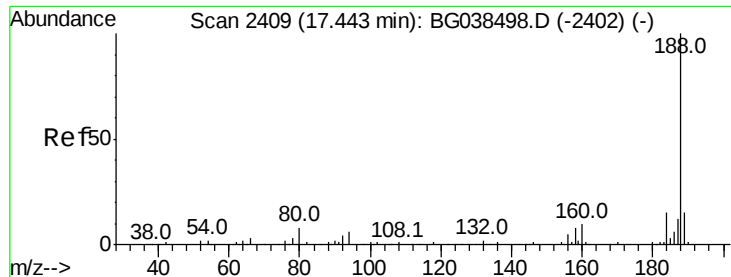


#57
 2,4-Dinitrotoluene
 Concen: 4.956 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038987.D
 Acq: 8 Jan 2019 6:22

Tgt 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: BG038987.D

Acq: 8 Jan 2019 6:22

Instrument :

BNA_G

ClientSampled :

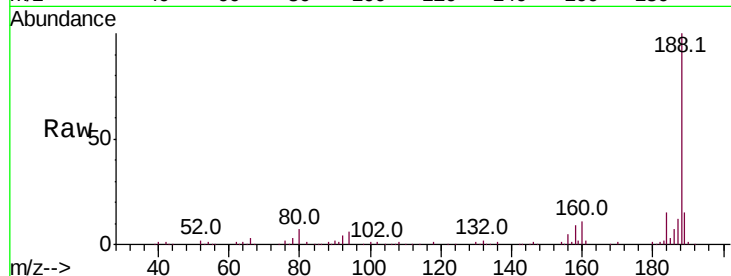
Tot Ion:188 Resp: 171848

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

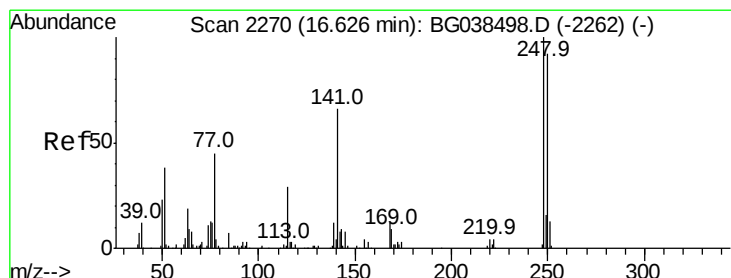
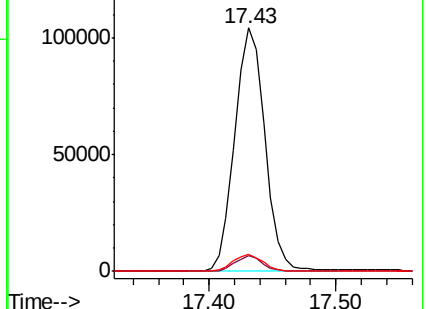
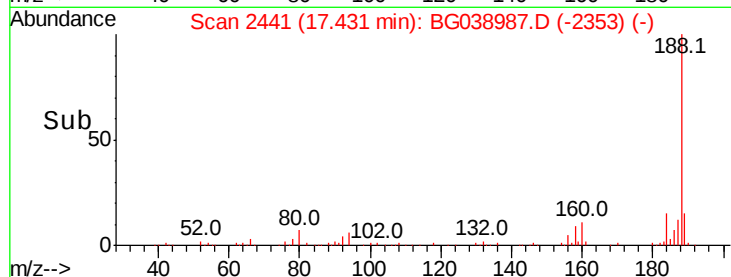
80 6.9 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.154 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

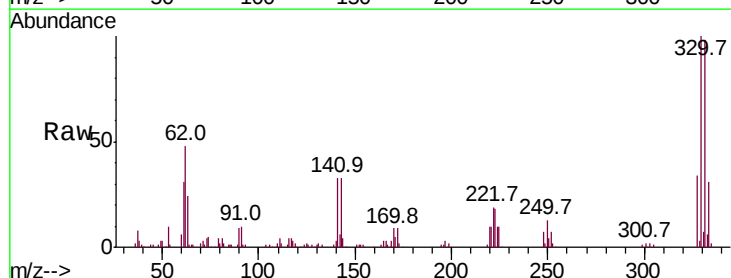
Tgt Ion:248 Resp: 8719

Ion Ratio Lower Upper

248 100

250 188.9 73.4 110.2#

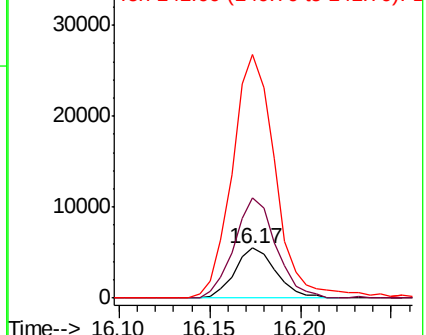
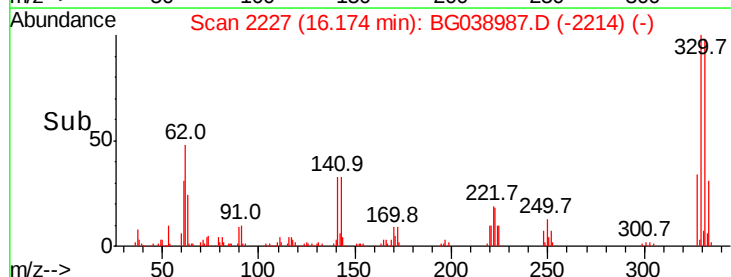
141 357.3 52.9 79.3#

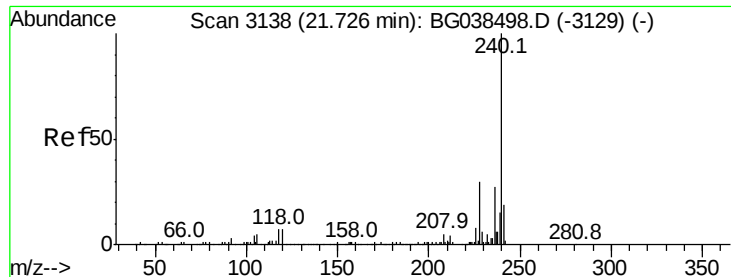


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG038987.D

Acq: 8 Jan 2019 6:22

Instrument :

BNA_G

ClientSampled :

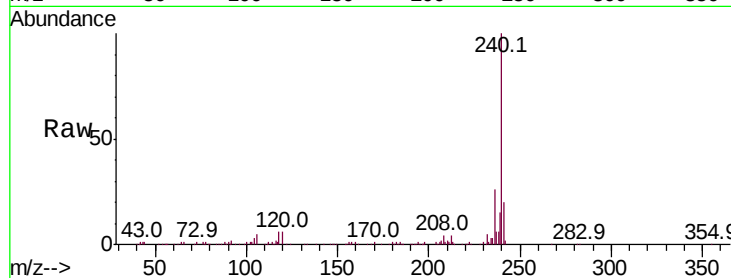
Tot Ion:240 Resp: 178038

Ion Ratio Lower Upper

240 100

120 6.0 5.3 7.9

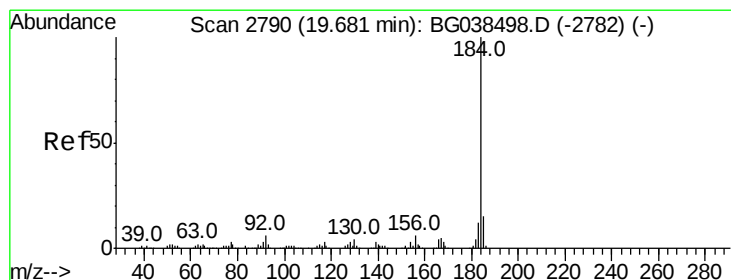
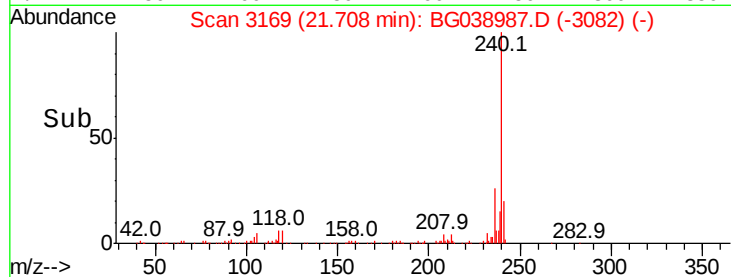
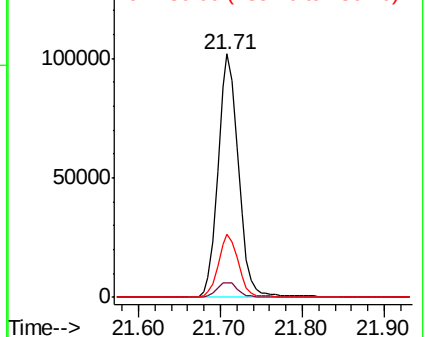
236 25.8 21.4 32.2



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: 2.416 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

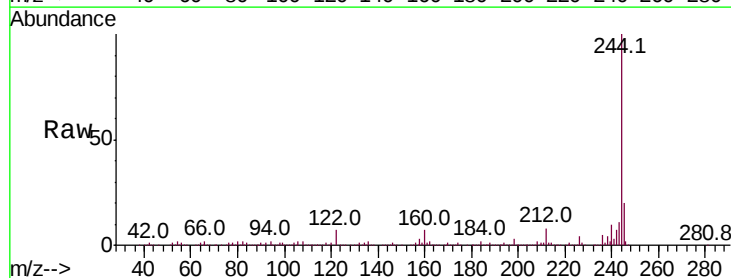
Tgt Ion:184 Resp: 12720

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

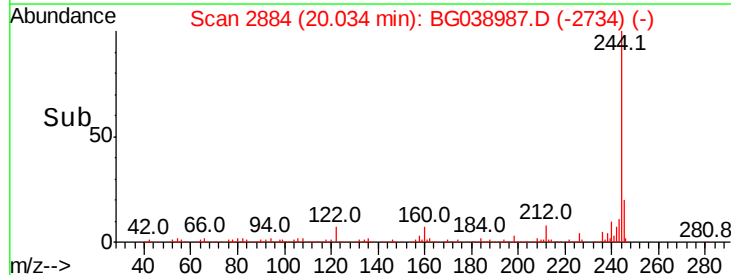
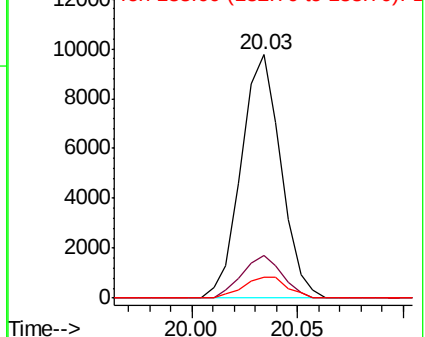
183 8.5 9.6 14.4#

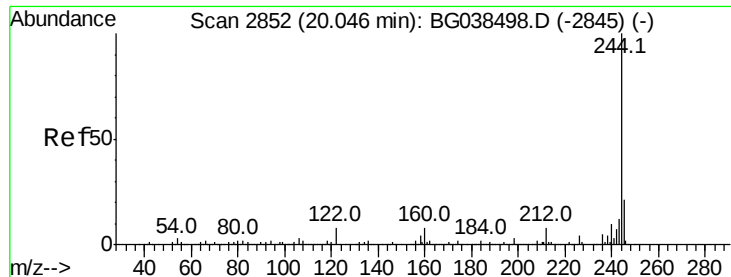


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.908 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

Instrument :

BNA_G

ClientSampleId :

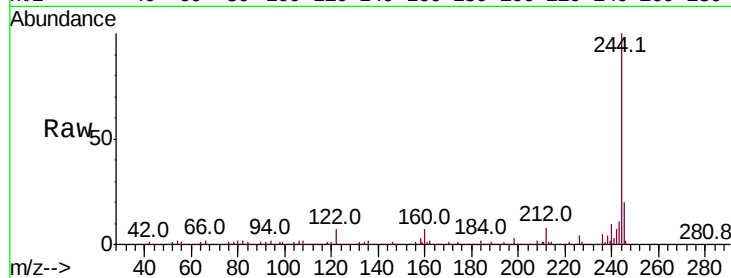
Tot Ion:244 Resp: 817309

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

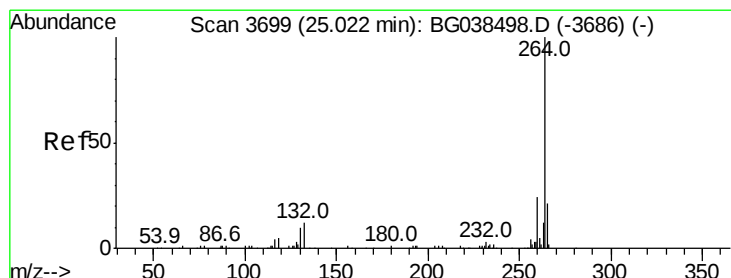
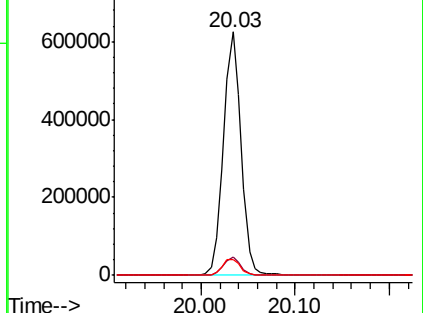
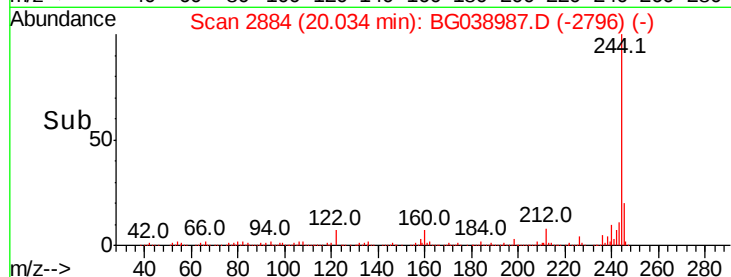
122 6.6 6.3 9.5



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# 3729

Delta R.T. -0.02 min

Lab File: BG038987.D

Acq: 8 Jan 2019 6:22

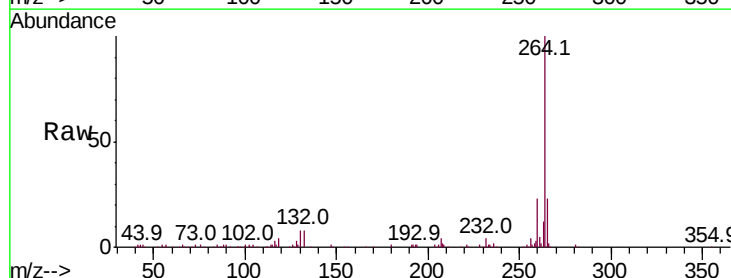
Tgt Ion:264 Resp: 180449

Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 22.9 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

