

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038913.D
 Acq On : 3 Jan 2019 21:20
 Operator : JU/SJ
 Sample : K10002-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:13:32 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

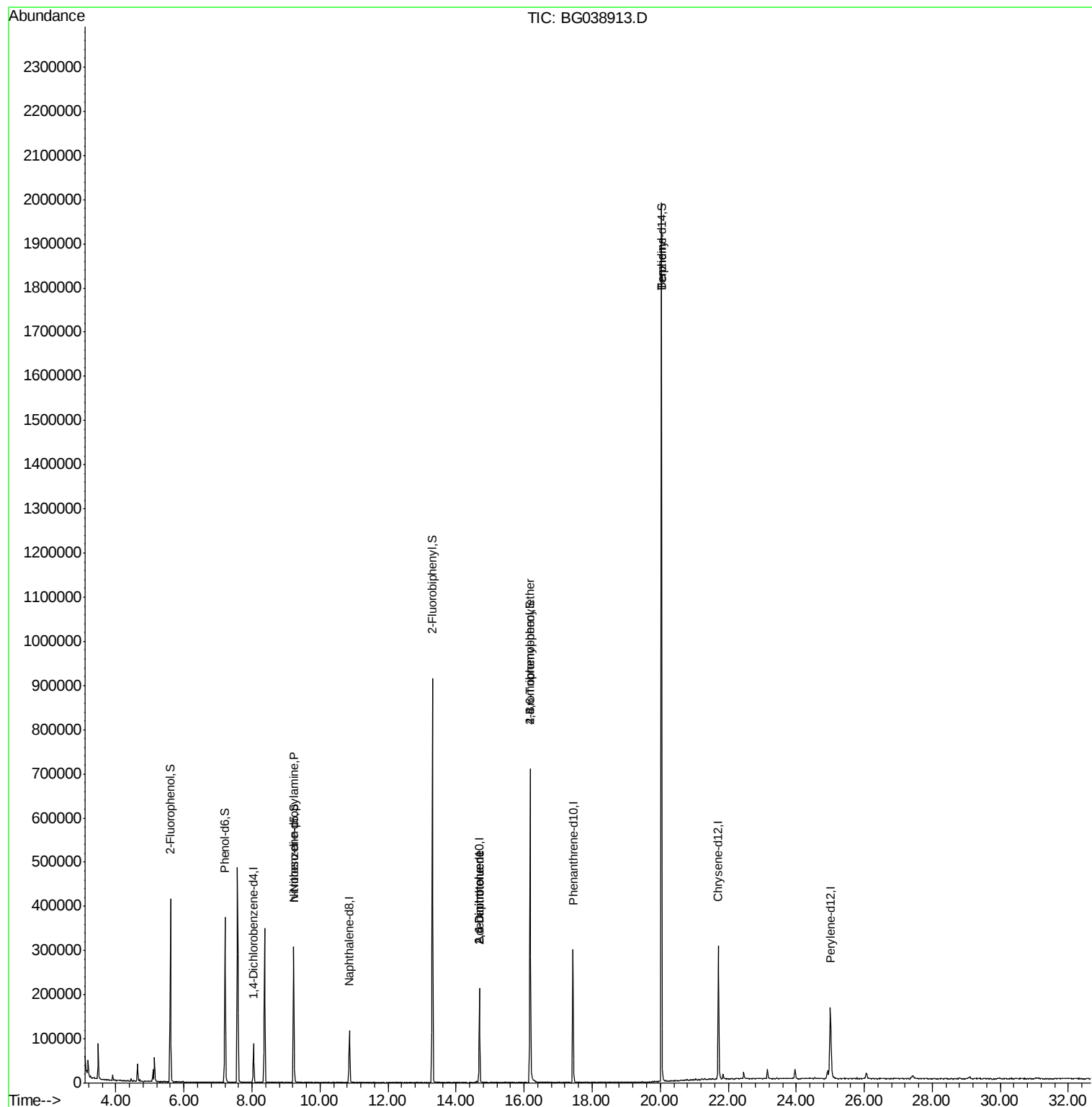
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26479	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	106330	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	79236	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	207319	20.00	ng	0.00
76) Chrysene-d12	21.71	240	208357	20.00	ng	-0.01
87) Perylene-d12	25.00	264	214201	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	183241	122.74	ng	0.00
7) Phenol-d6	7.21	99	219143	106.93	ng	0.00
23) Nitrobenzene-d5	9.23	82	185432	89.09	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	167477	153.37	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	505220	87.47	ng	-0.01
79) Terphenyl-d14	20.04	244	1025646	107.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24880	17.285	ng	# 68
51) 2,6-Dinitrotoluene	14.68	165	10197	6.954	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	10197	4.937	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10850	4.285	ng	# 1
77) Benzidine	20.04	184	16713	2.712	ng	# 95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
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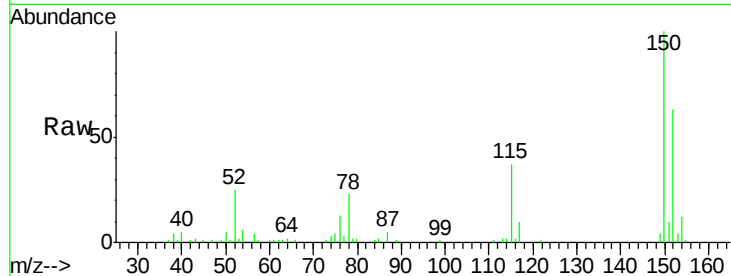


#1

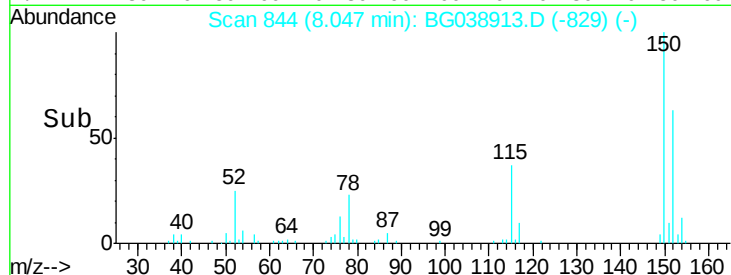
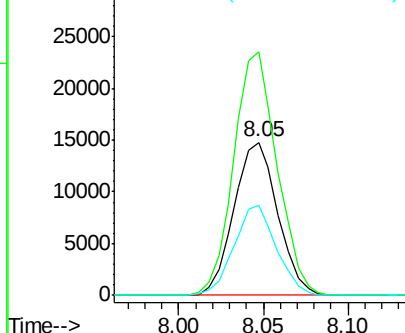
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26479
Ion Ratio Lower Upper
152 100
150 159.2 119.5 179.3
115 59.1 49.6 74.4



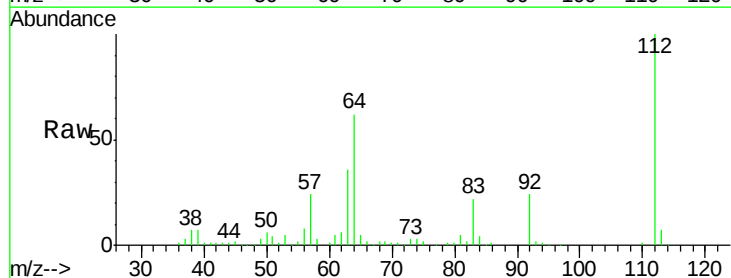
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



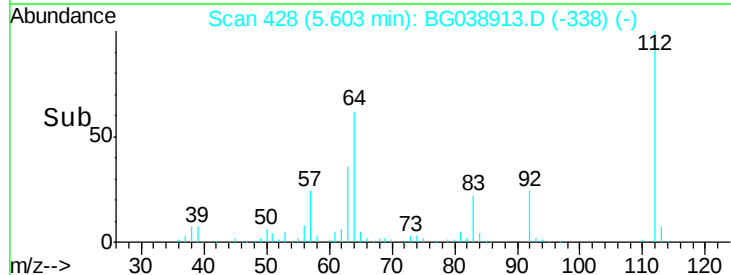
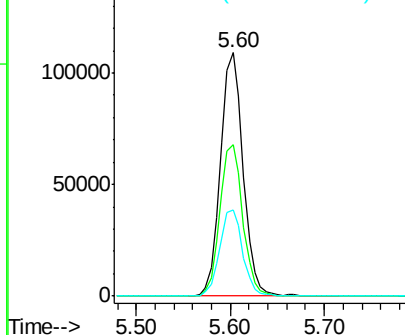
#5

2-Fluorophenol
Concen: 122.741 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Tgt Ion:112 Resp: 183241
Ion Ratio Lower Upper
112 100
64 62.2 53.4 80.2
63 35.6 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: 106.926 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

Instrument :

BNA_G

ClientSampleId :

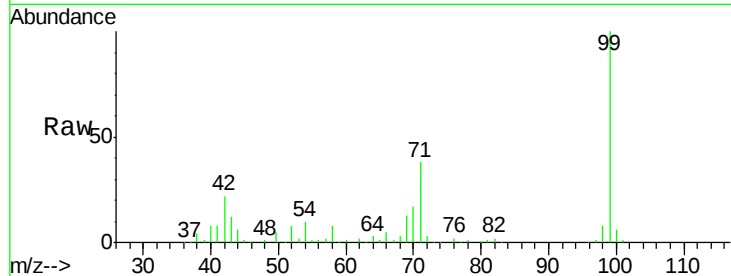
Tot Ion: 99 Resp: 219143

Ion Ratio Lower Upper

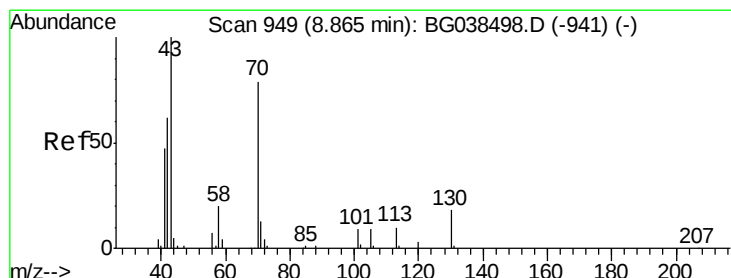
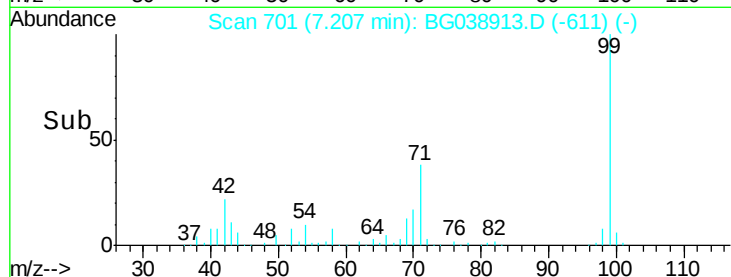
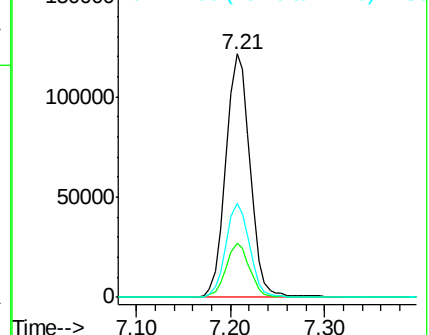
99 100

42 22.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.285 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

Tgt Ion: 70 Resp: 24880

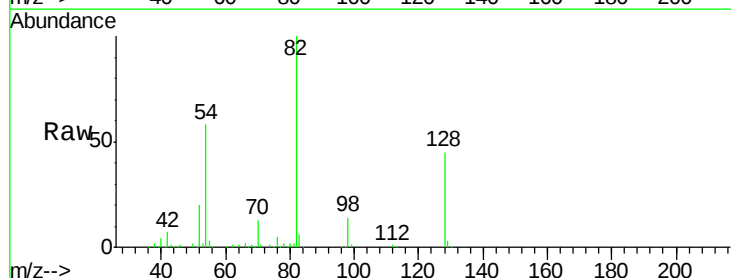
Ion Ratio Lower Upper

70 100

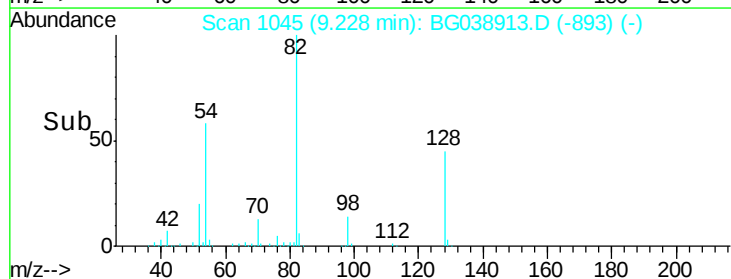
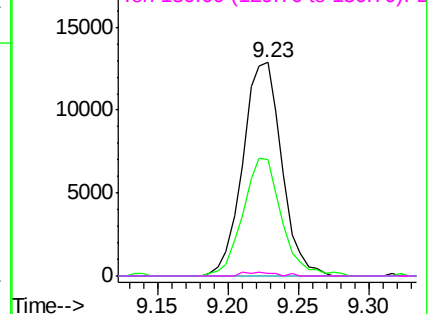
42 54.4 63.6 95.4#

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

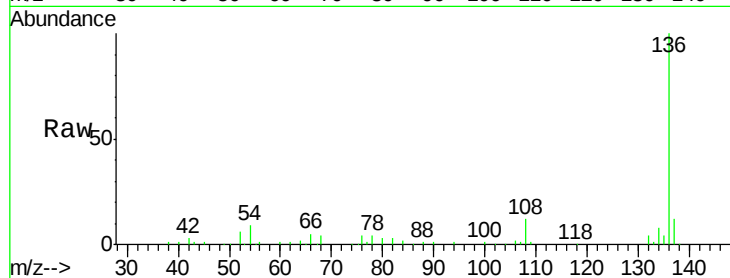




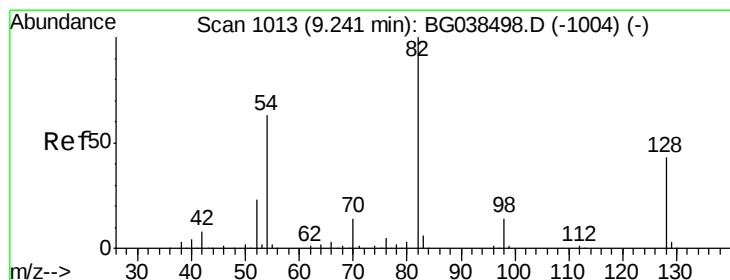
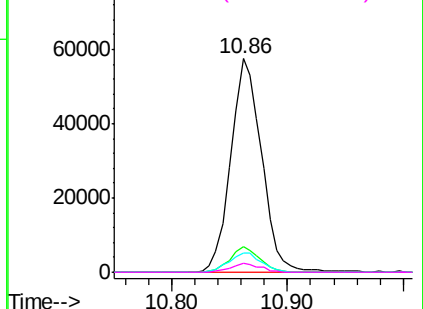
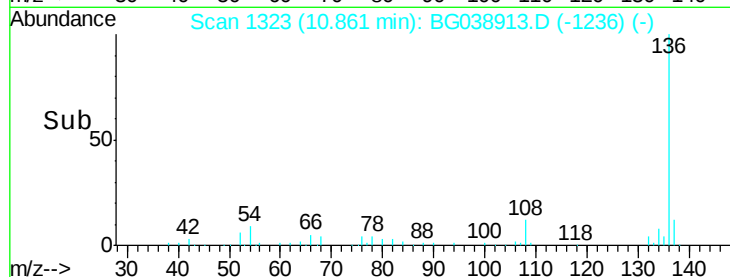
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	106330
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.3 13.9
54	9.1	8.5 12.7
68	4.1	3.5 5.3

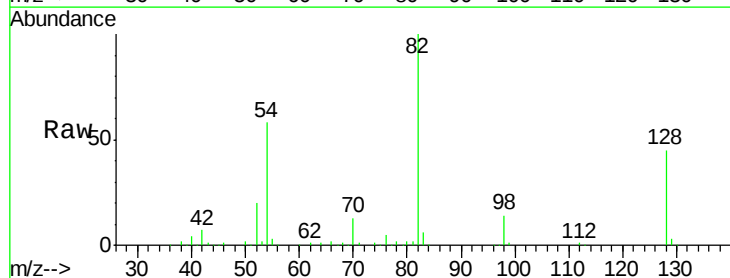


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

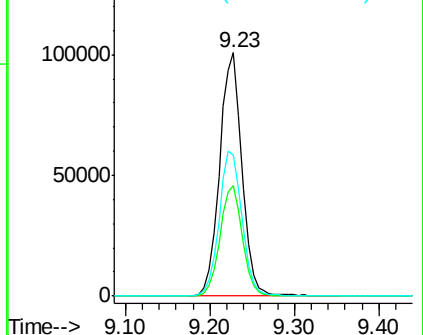
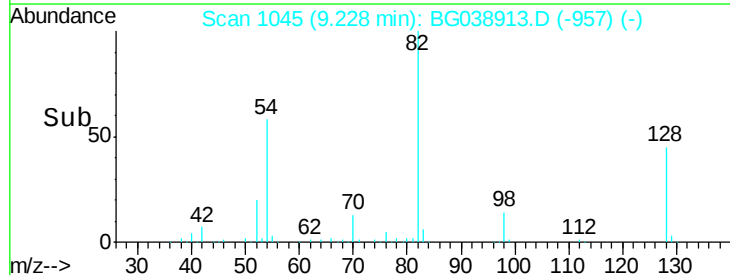


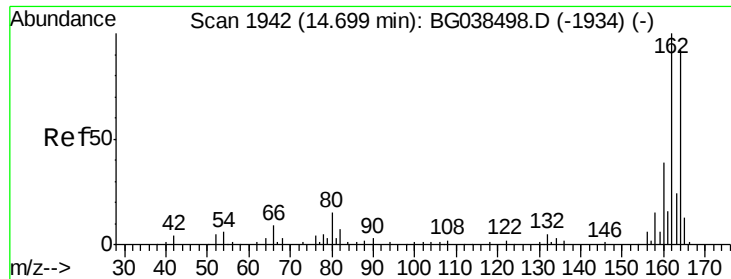
#23
Nitrobenzene-d5
Concen: 89.092 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Tgt Ion: 82	Resp:	185432
Ion Ratio	Lower	Upper
82	100	
128	45.1	34.6 52.0
54	58.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

Instrument :

BNA_G

ClientSampleId :

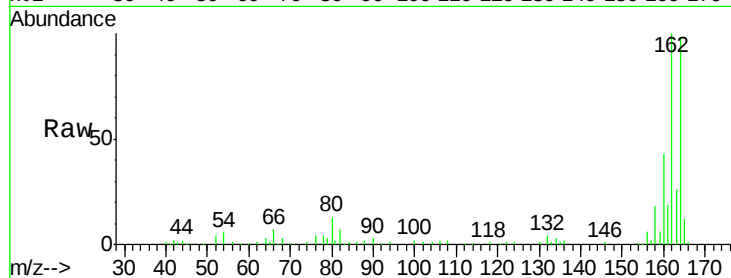
Tot Ion:164 Resp: 79236

Ion Ratio Lower Upper

164 100

162 101.6 86.6 130.0

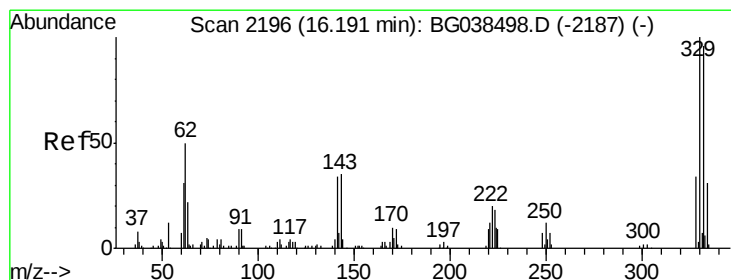
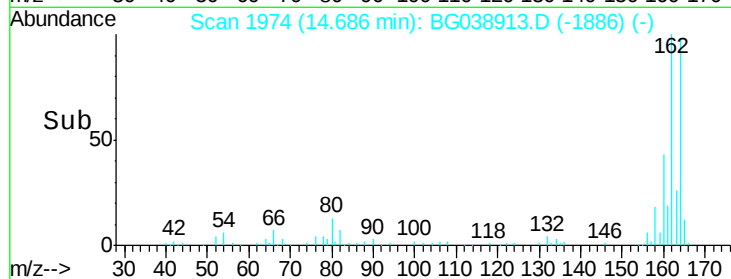
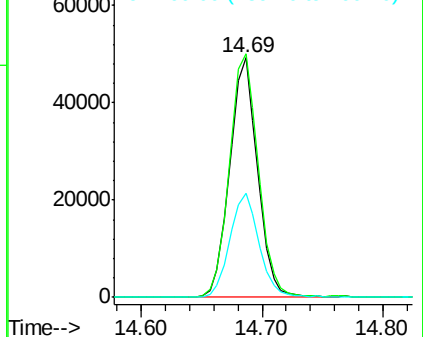
160 43.5 34.2 51.2



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: 153.365 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

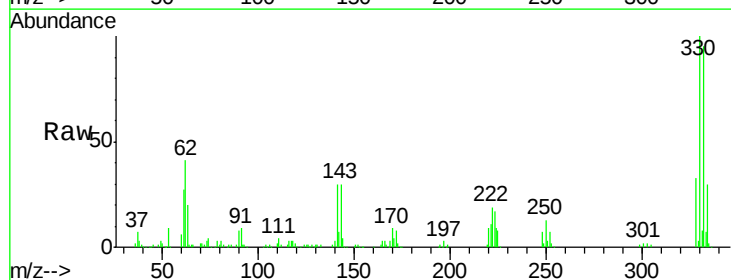
Tgt Ion:330 Resp: 167477

Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

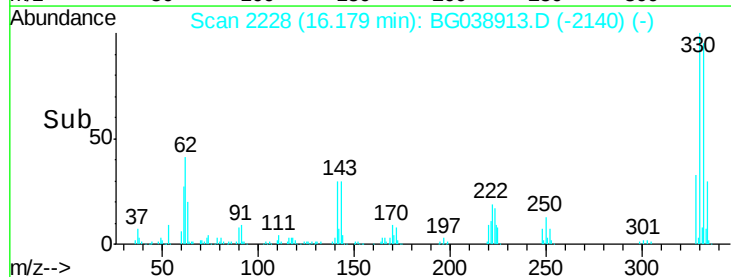
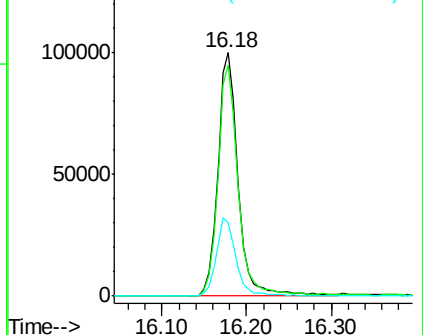
141 31.9 28.8 43.2



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

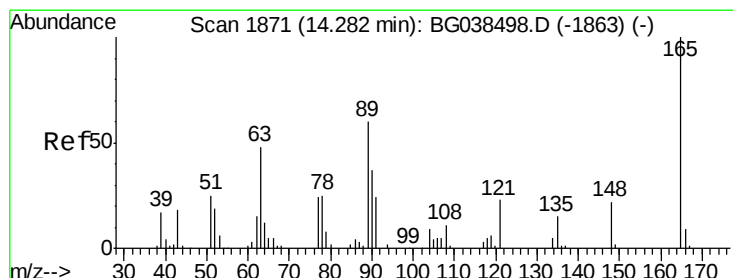
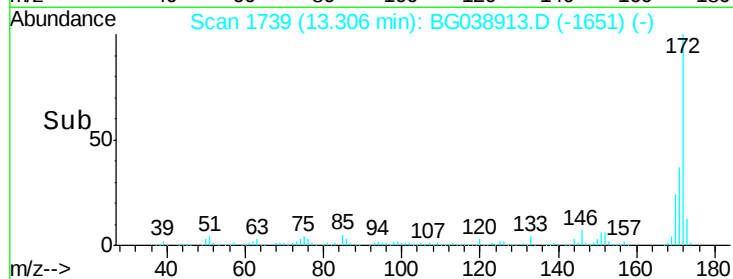
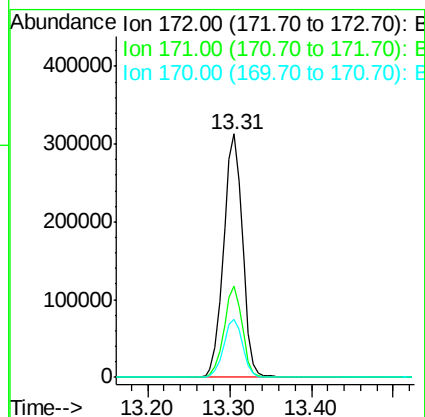
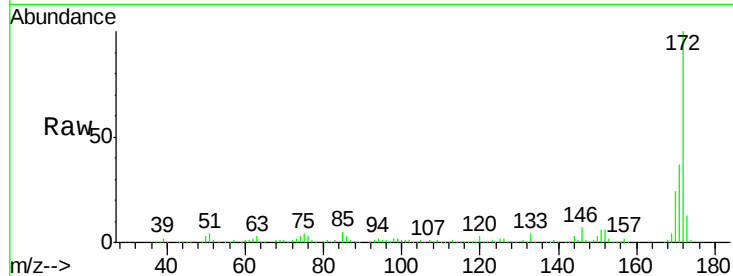




#45
 2-Fluorobiphenyl
 Concen: 87.471 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038913.D
 Acq: 3 Jan 2019 21:20

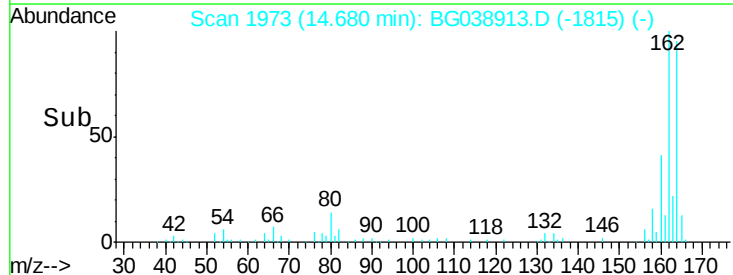
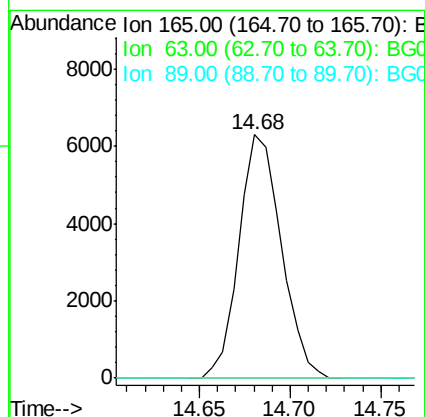
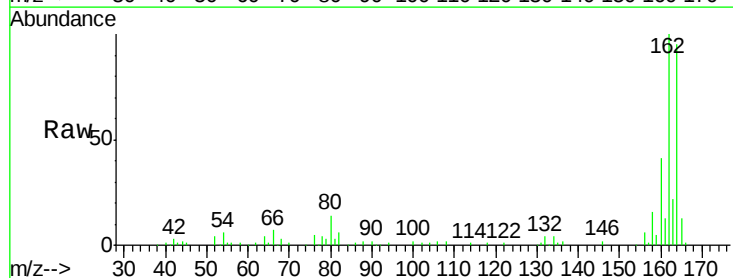
Instrument :
 BNA_G
 ClientSampleId :

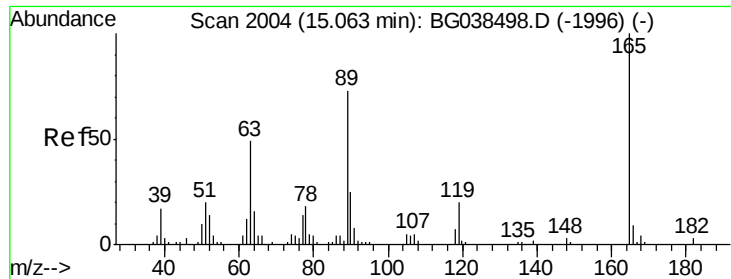
Tot Ion:172 Resp: 505220
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 24.0 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.954 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038913.D
 Acq: 3 Jan 2019 21:20

Tgt Ion:165 Resp: 10197
 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: 4.937 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

Lab File: BG038913.D

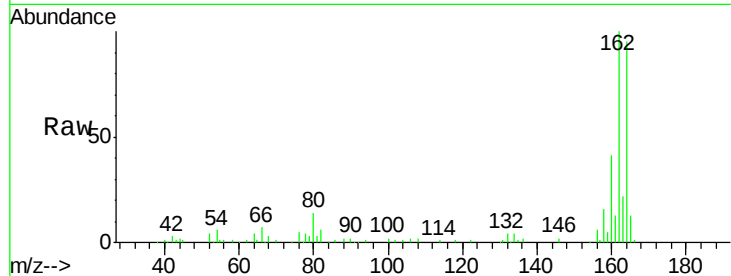
Acq: 3 Jan 2019 21:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	10197
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#

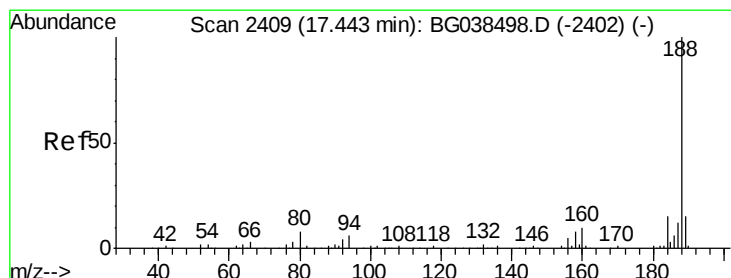
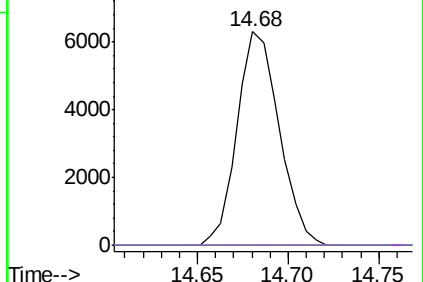
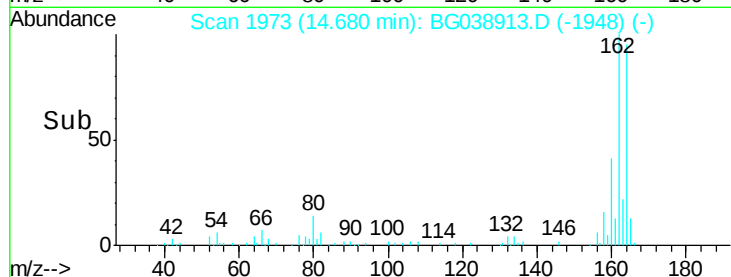


Abundance Ion 165.00 (164.70 to 165.70): E

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

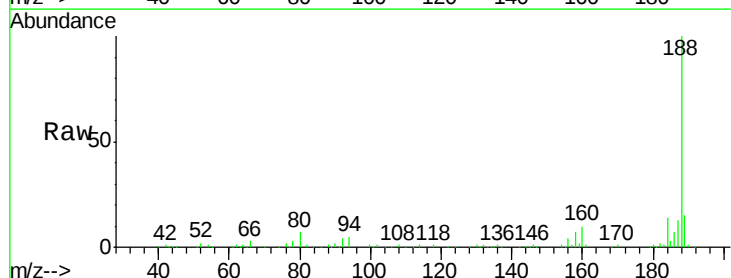
RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

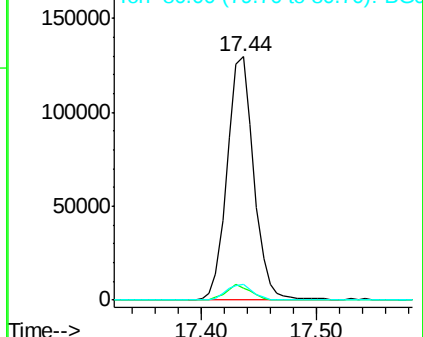
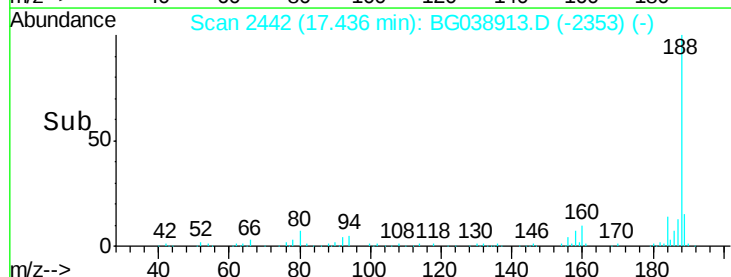
Tgt Ion:188	Resp:	207319
Ion Ratio	Lower	Upper
188	100	
94	5.1	5.1 7.7
80	6.5	6.1 9.1

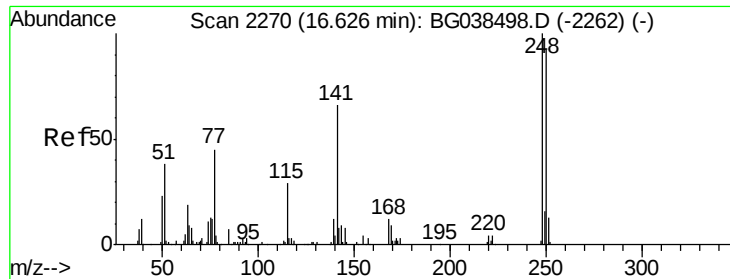


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

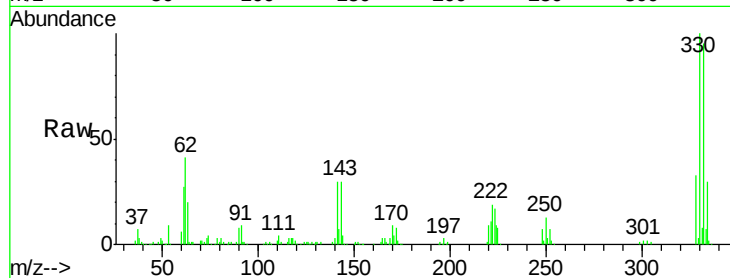




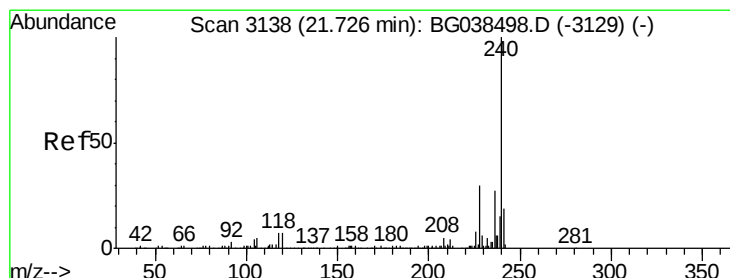
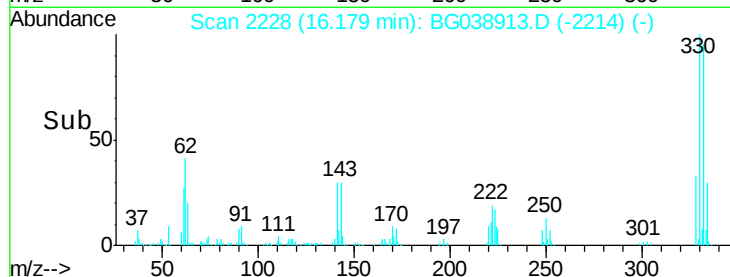
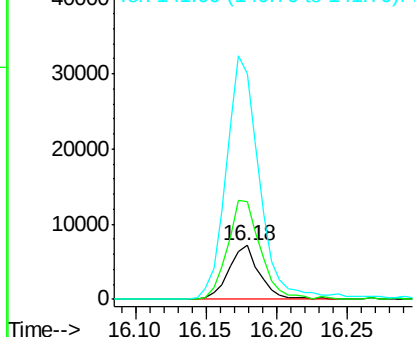
#67
4-Bromophenyl-phenylether
Concen: 4.285 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10850
Ion Ratio Lower Upper
248 100
250 181.3 73.4 110.2#
141 333.3 52.9 79.3#

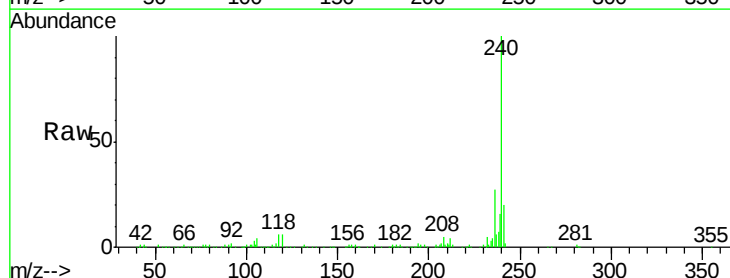


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

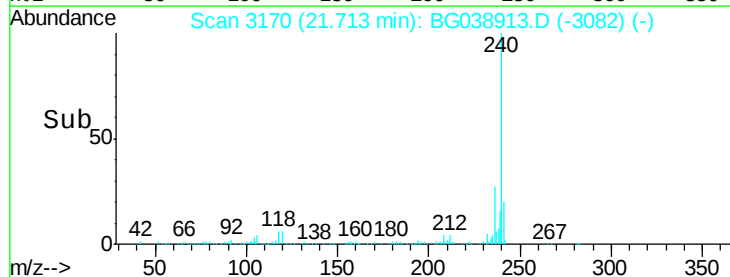
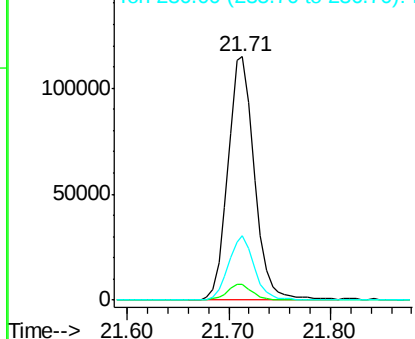


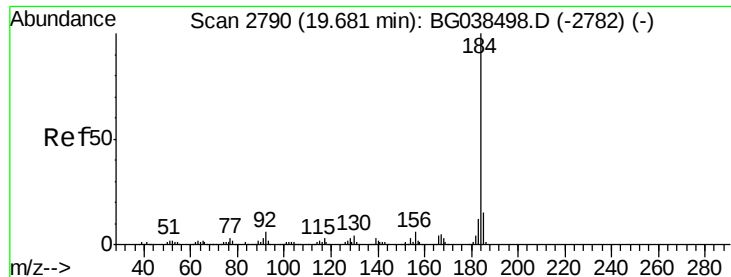
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038913.D
Acq: 3 Jan 2019 21:20

Tgt Ion:240 Resp: 208357
Ion Ratio Lower Upper
240 100
120 6.4 5.3 7.9
236 26.6 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: 2.712 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

Instrument :

BNA_G

ClientSampleId :

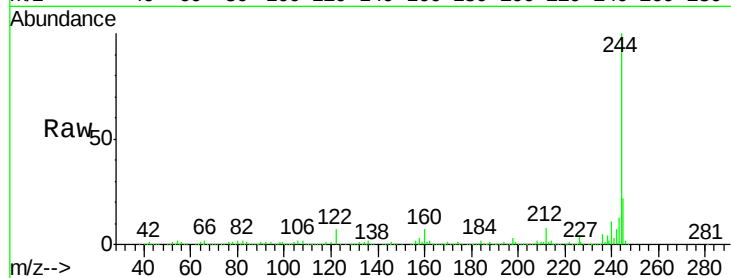
Tot Ion:184 Resp: 16713

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

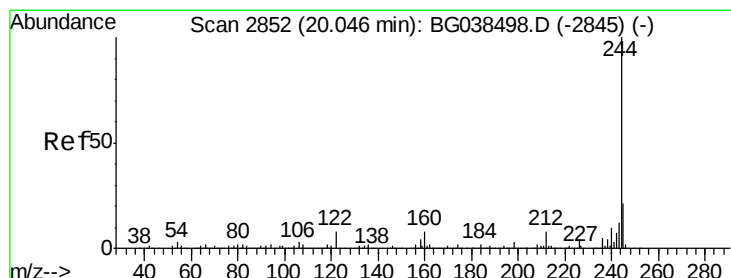
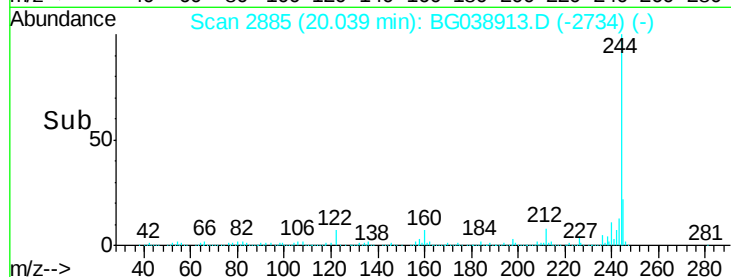
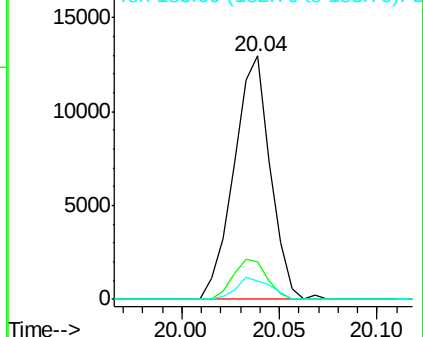
183 7.7 9.6 14.4#



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: 107.131 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038913.D

Acq: 3 Jan 2019 21:20

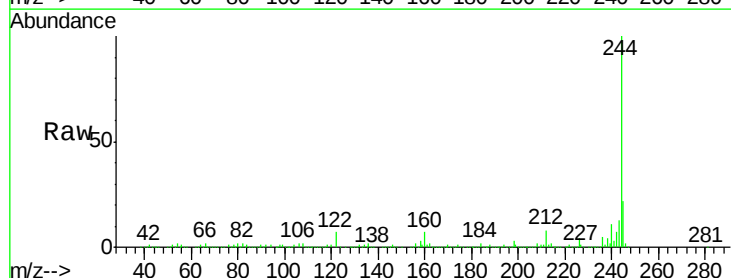
Tgt Ion:244 Resp: 1025646

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

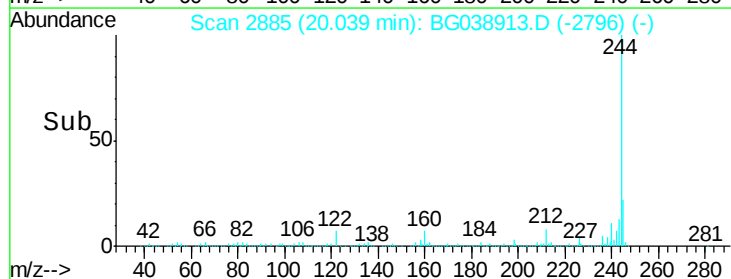
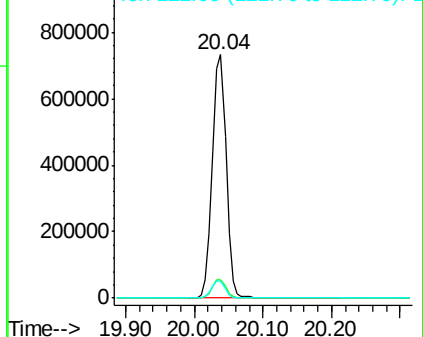
122 7.1 6.3 9.5

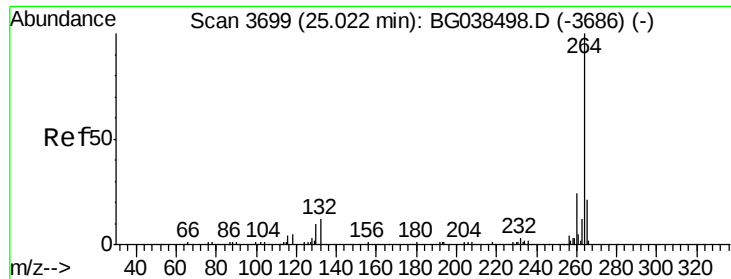


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

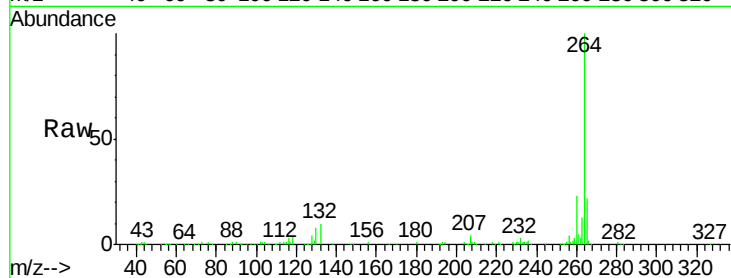




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.02 min
 Lab File: BG038913.D
 Acq: 3 Jan 2019 21:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 214201
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.9 28.3
 265 21.9 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

