

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038908.D
 Acq On : 3 Jan 2019 18:04
 Operator : JU/SJ
 Sample : K1002-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:11:46 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

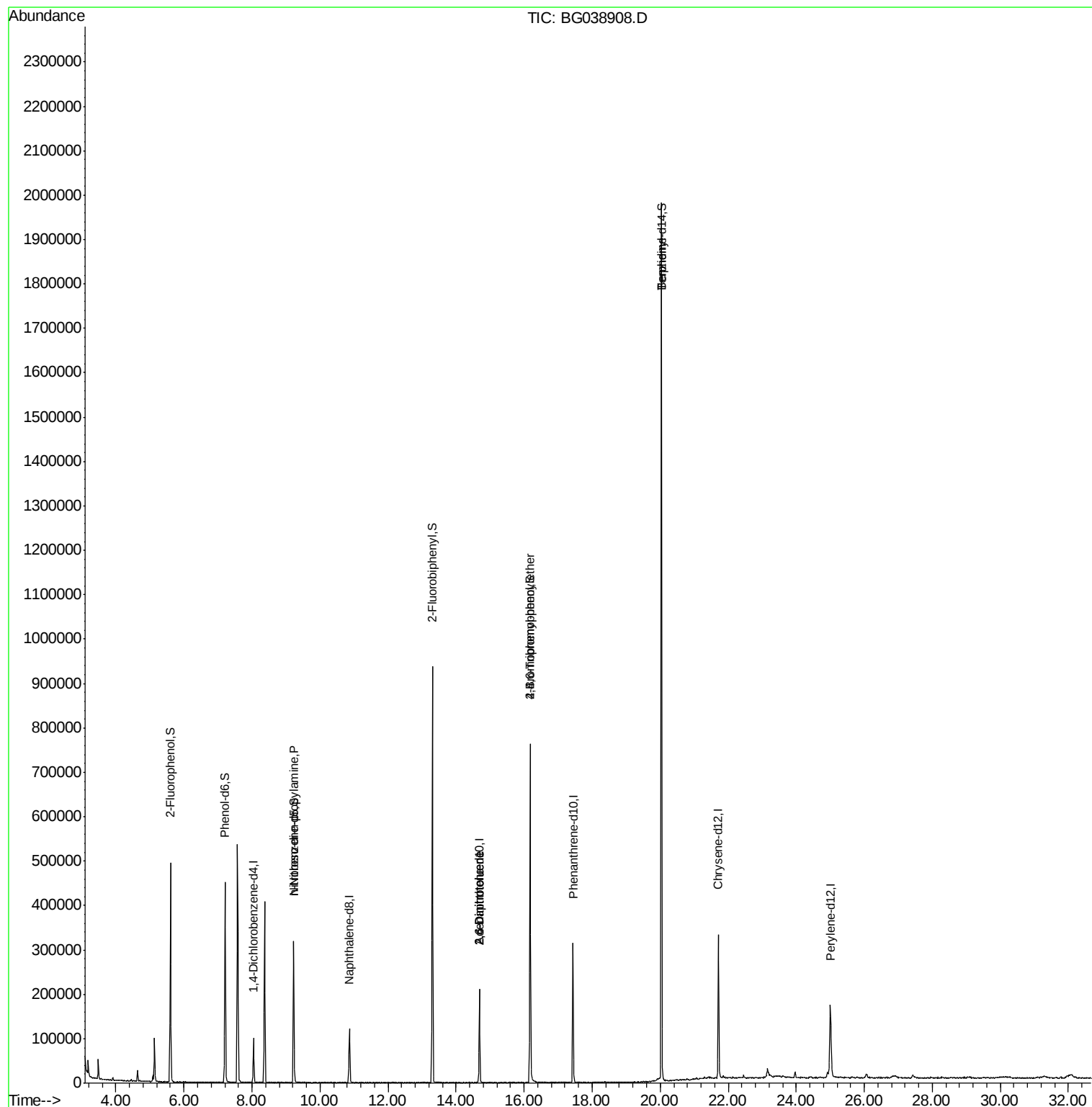
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	29397	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	112971	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	80233	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	208766	20.00	ng	0.00
76) Chrysene-d12	21.71	240	210865	20.00	ng	-0.01
87) Perylene-d12	25.01	264	218434	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	215151	129.81	ng	0.00
7) Phenol-d6	7.21	99	268327	117.93	ng	0.00
23) Nitrobenzene-d5	9.22	82	197839	89.47	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	173107	156.55	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	525658	89.88	ng	-0.01
79) Terphenyl-d14	20.04	244	1024622	105.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	26762	16.747	ng	# 65
51) 2,6-Dinitrotoluene	14.68	165	10434	7.027	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	10434	4.989	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	11369	4.459	ng	# 1
77) Benzidine	20.03	184	17559	2.816	ng	# 95

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

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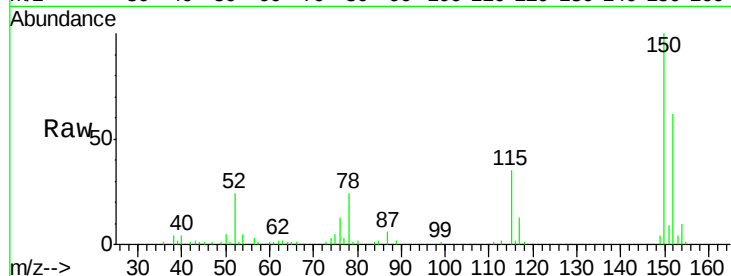


#1

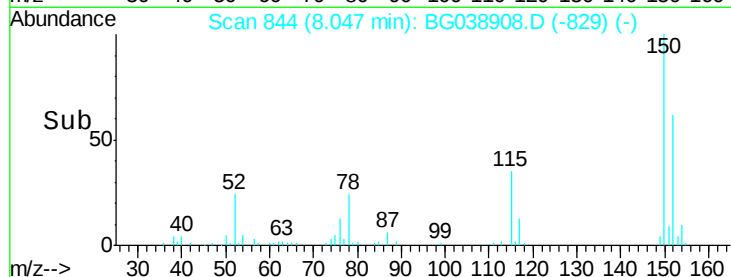
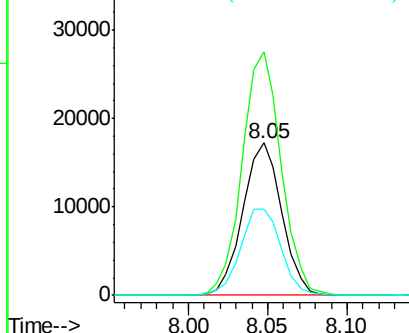
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	119.5	179.3
115	56.3	49.6	74.4



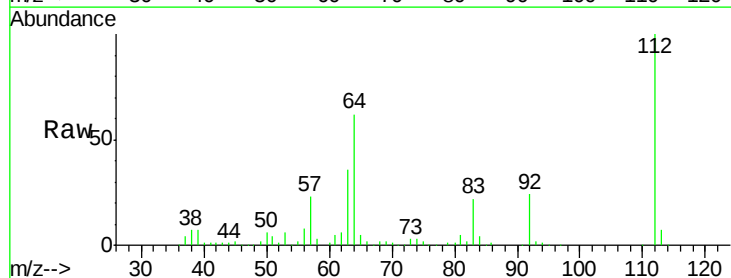
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



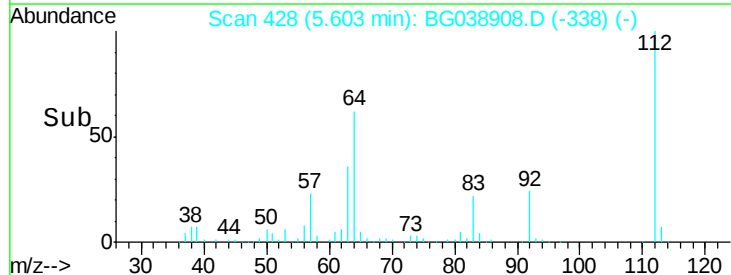
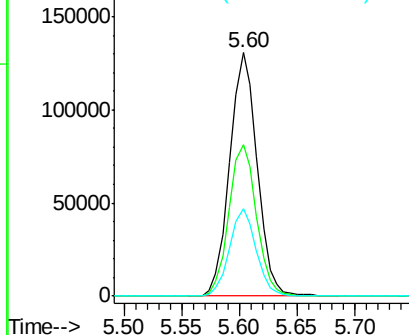
#5

2-Fluorophenol
Concen: 129.810 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	53.4	80.2
63	35.8	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: 117.929 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038908.D

Acq: 3 Jan 2019 18:04

Instrument :

BNA_G

ClientSampleId :

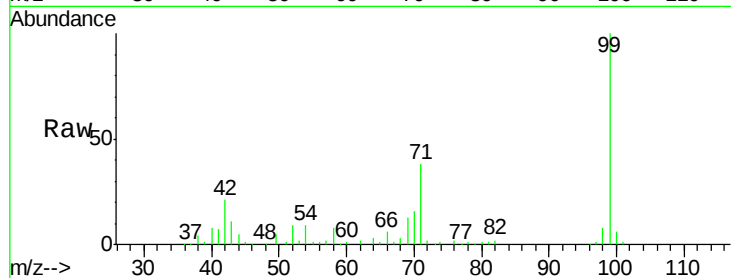
Tot Ion: 99 Resp: 268327

Ion Ratio Lower Upper

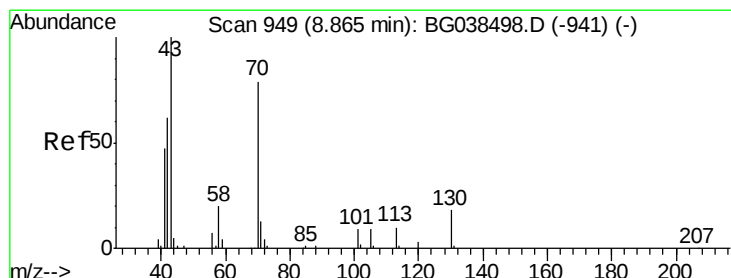
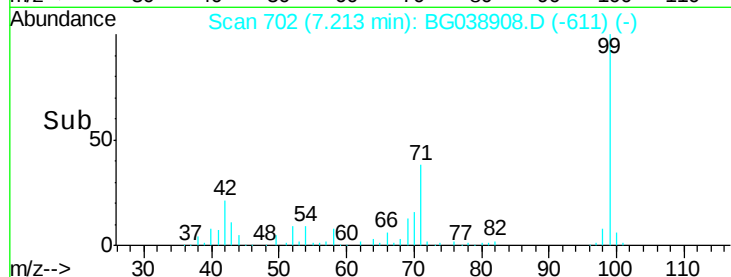
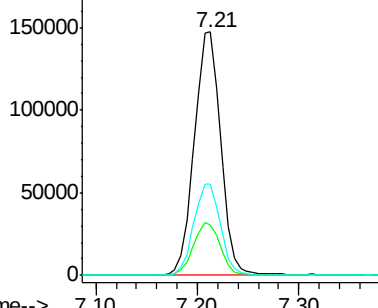
99 100

42 20.6 18.5 27.7

71 37.7 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: 16.747 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038908.D

Acq: 3 Jan 2019 18:04

Tgt Ion: 70 Resp: 26762

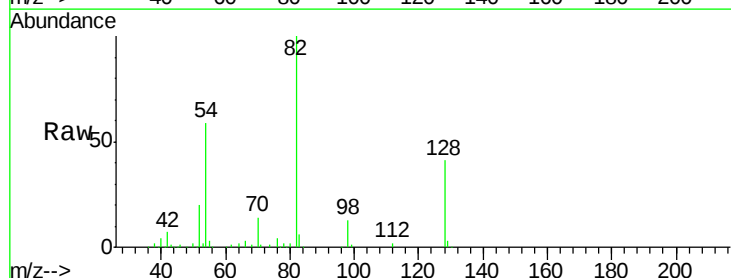
Ion Ratio Lower Upper

70 100

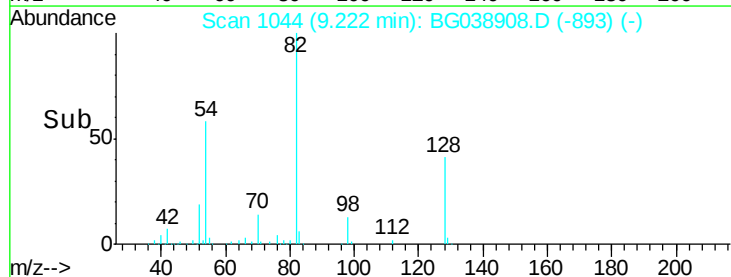
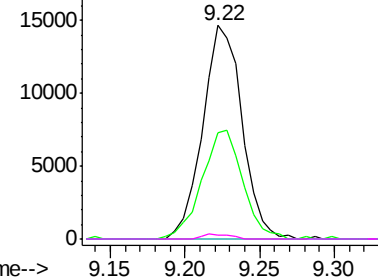
42 49.9 63.6 95.4#

101 0.0 9.2 13.8#

130 1.8 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

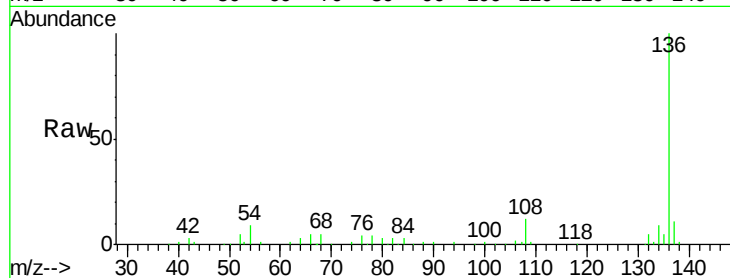




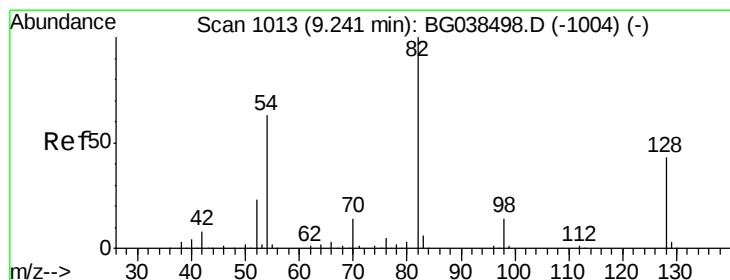
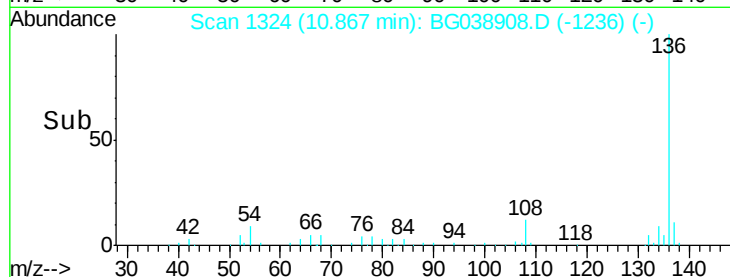
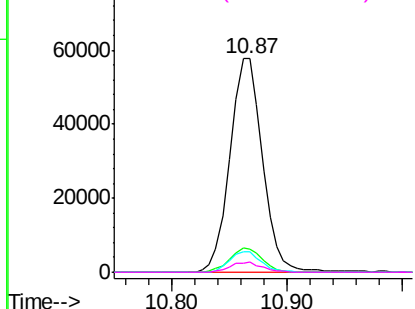
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	112971
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.3 13.9
54	9.4	8.5 12.7
68	4.8	3.5 5.3

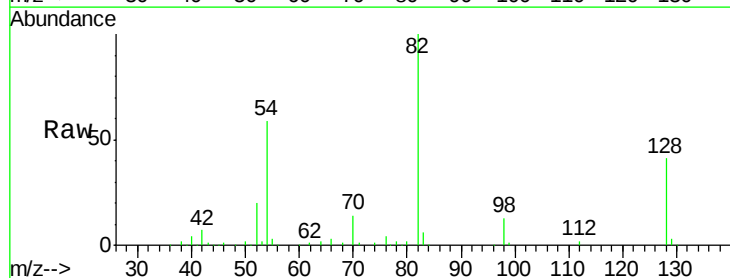


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

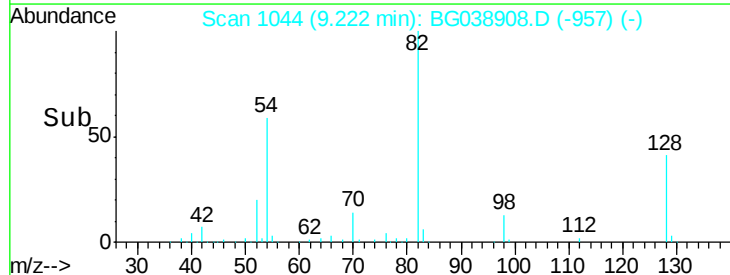
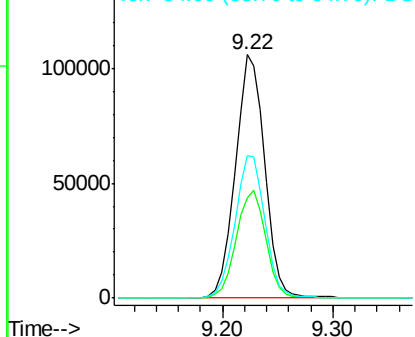


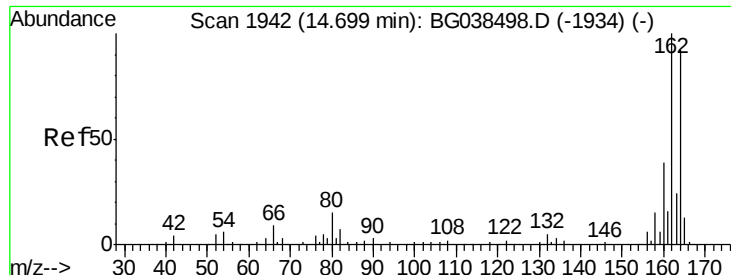
#23
Nitrobenzene-d5
Concen: 89.466 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Tgt Ion: 82	Resp:	197839
Ion Ratio	Lower	Upper
82	100	
128	41.4	34.6 52.0
54	58.7	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: BG038908.D

Acq: 3 Jan 2019 18:04

Instrument :

BNA_G

ClientSampleId :

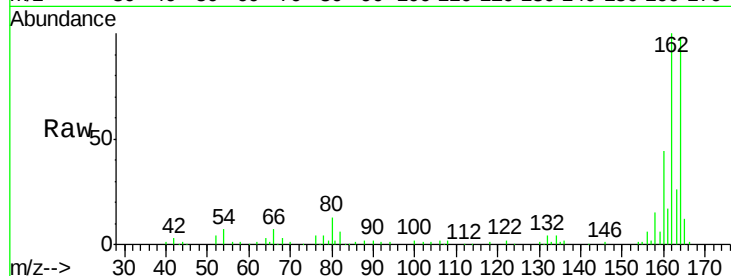
Tot Ion:164 Resp: 80233

Ion Ratio Lower Upper

164 100

162 102.2 86.6 130.0

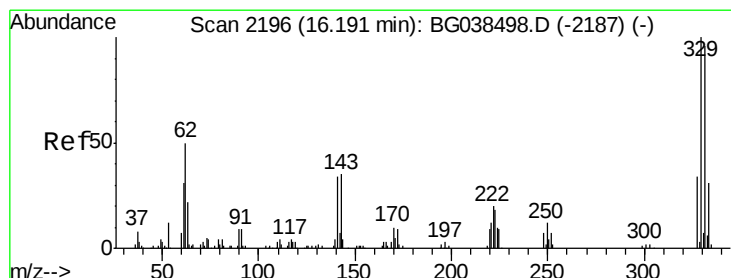
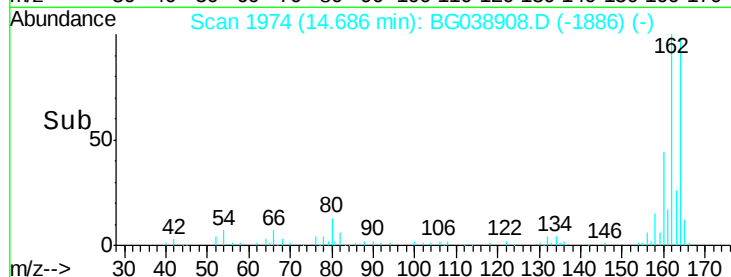
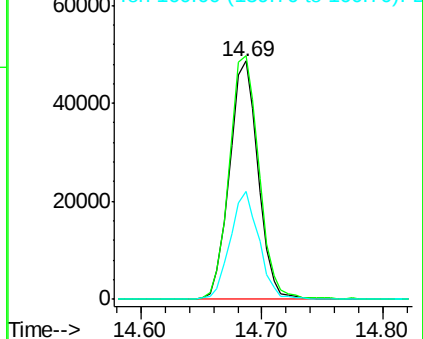
160 45.2 34.2 51.2



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: 156.551 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038908.D

Acq: 3 Jan 2019 18:04

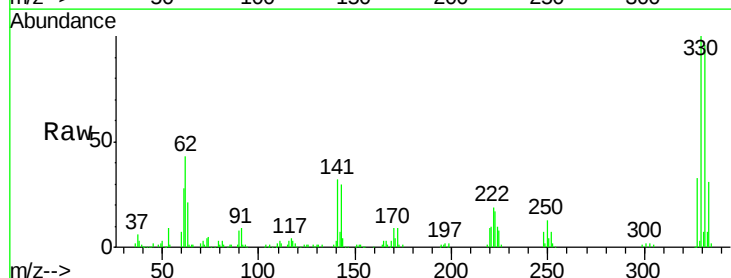
Tgt Ion:330 Resp: 173107

Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

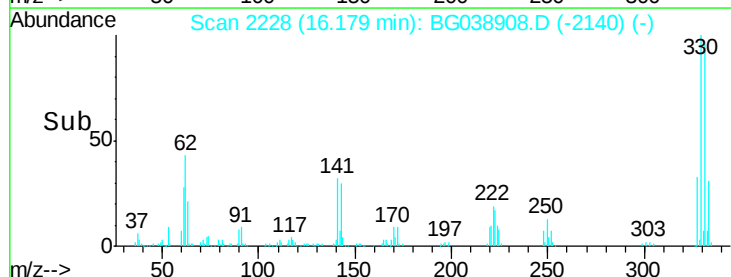
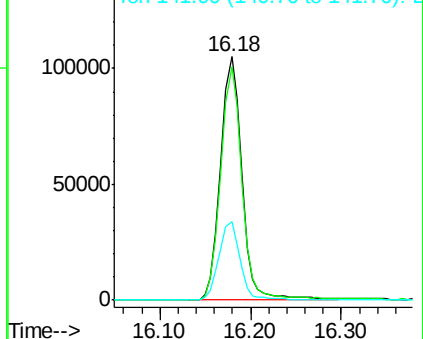
141 31.8 28.8 43.2



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

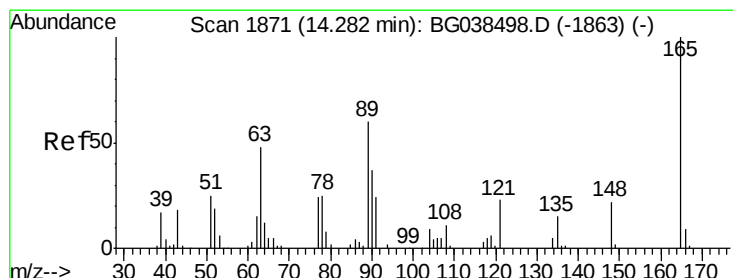
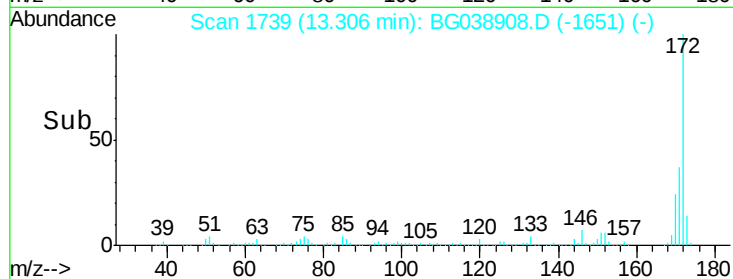
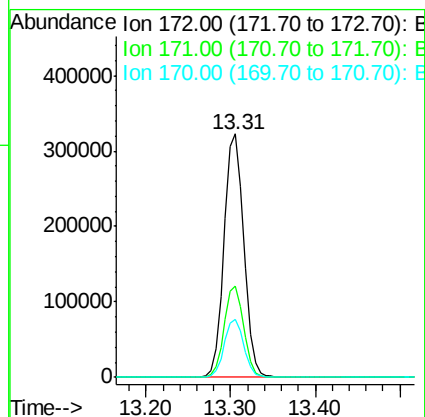
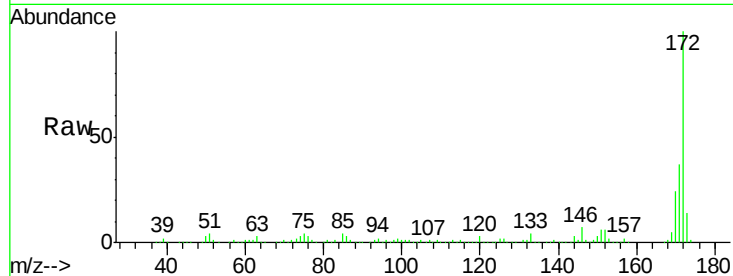




#45
 2-Fluorobiphenyl
 Concen: 89.879 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038908.D
 Acq: 3 Jan 2019 18:04

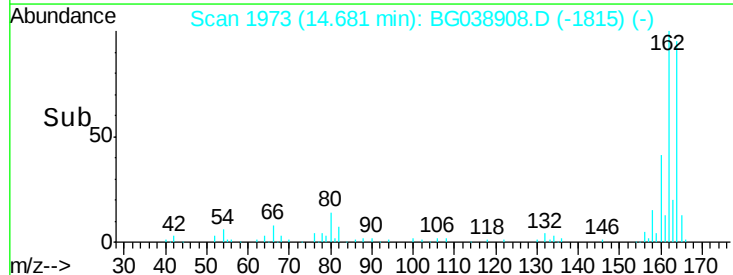
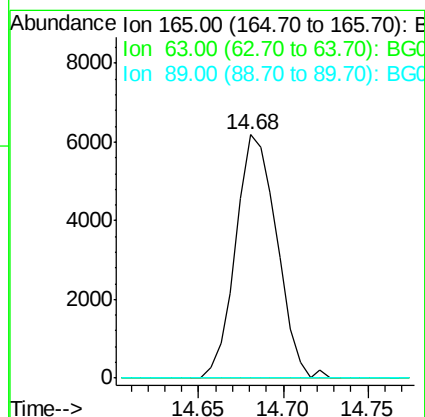
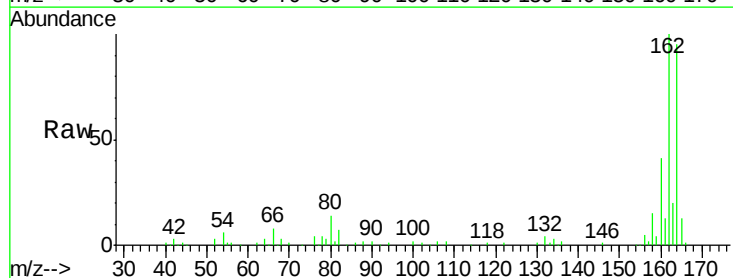
Instrument :
 BNA_G
 ClientSampleId :

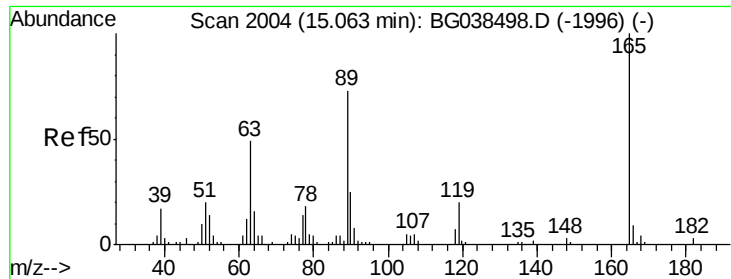
Tot Ion:172 Resp: 525658
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.027 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038908.D
 Acq: 3 Jan 2019 18:04

Tgt Ion:165 Resp: 10434
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

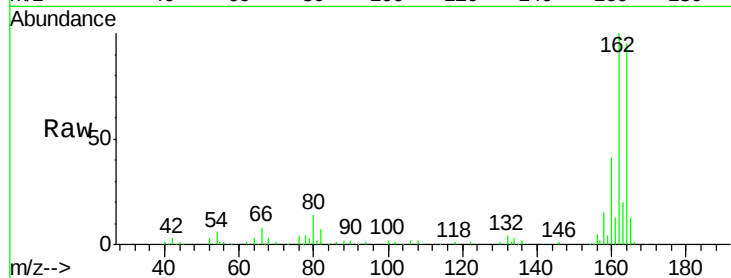




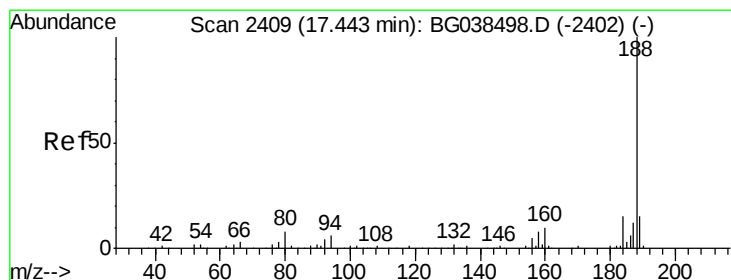
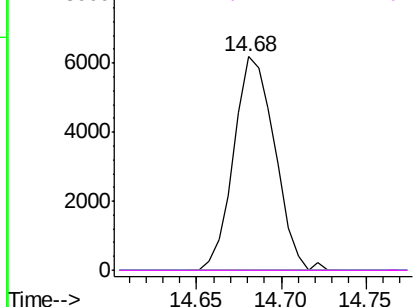
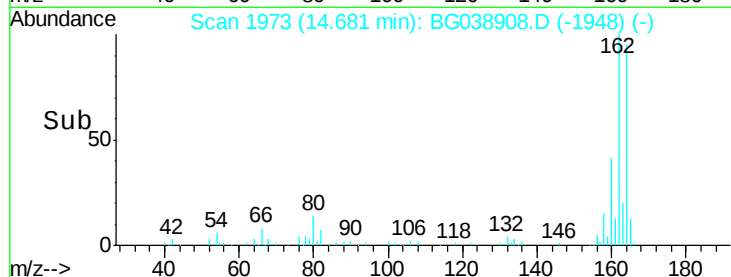
#57
 2,4-Dinitrotoluene
 Concen: 4.989 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038908.D
 Acq: 3 Jan 2019 18:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10434
 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#

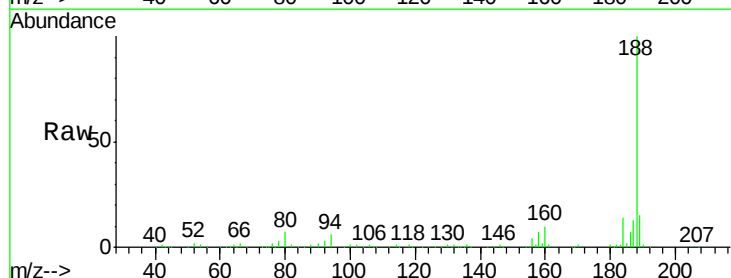


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

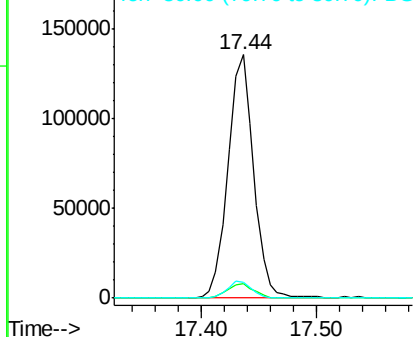
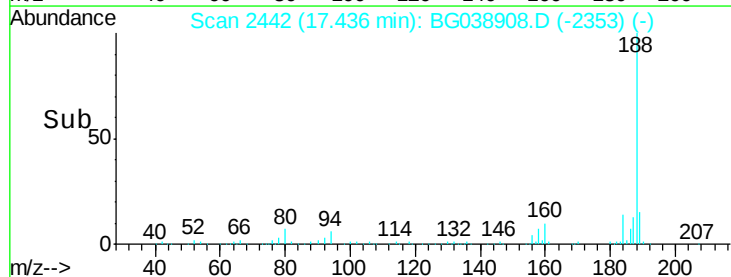


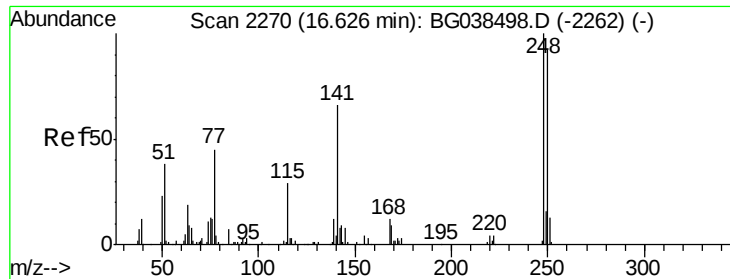
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038908.D
 Acq: 3 Jan 2019 18:04

Tgt Ion:188 Resp: 208766
 Ion Ratio Lower Upper
 188 100
 94 6.1 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

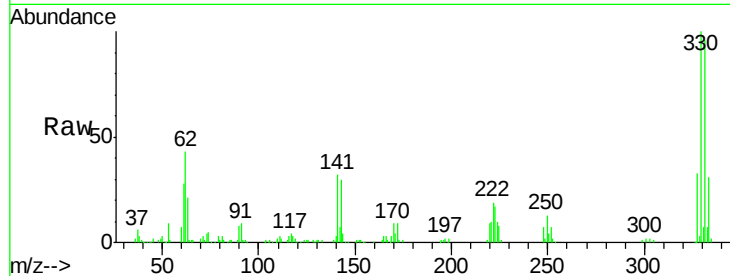




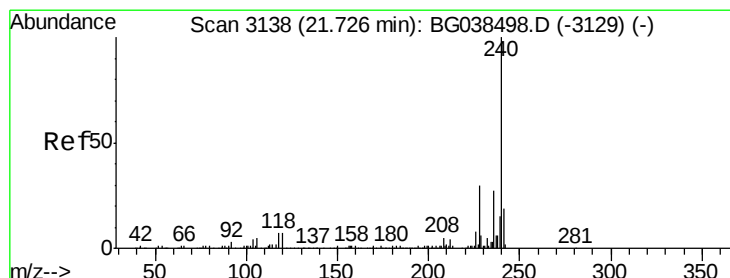
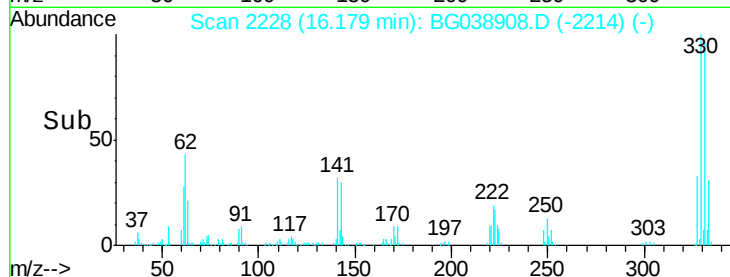
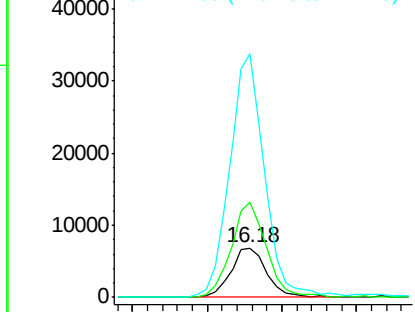
#67
4-Bromophenyl-phenylether
Concen: 4.459 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11369
Ion Ratio Lower Upper
248 100
250 192.2 73.4 110.2#
141 375.0 52.9 79.3#

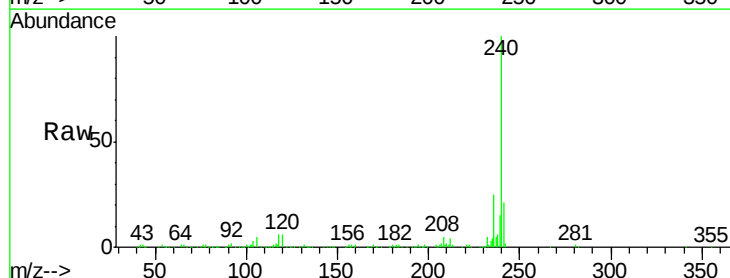


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

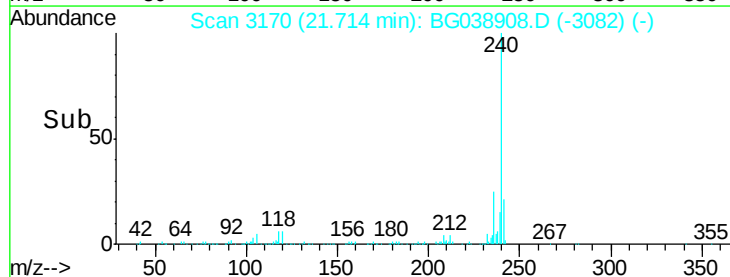
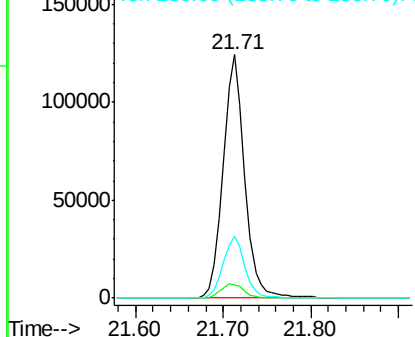


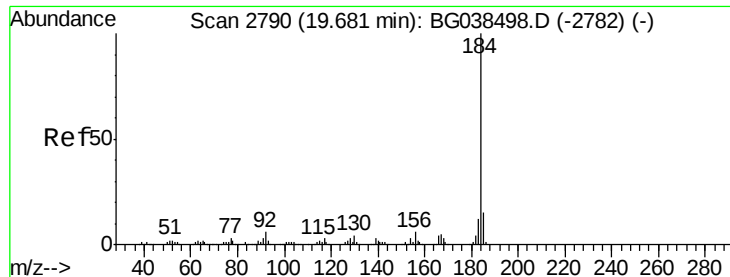
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038908.D
Acq: 3 Jan 2019 18:04

Tgt Ion:240 Resp: 210865
Ion Ratio Lower Upper
240 100
120 5.6 5.3 7.9
236 25.3 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: 2.816 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038908.D

Acq: 3 Jan 2019 18:04

Instrument :

BNA_G

ClientSampleId :

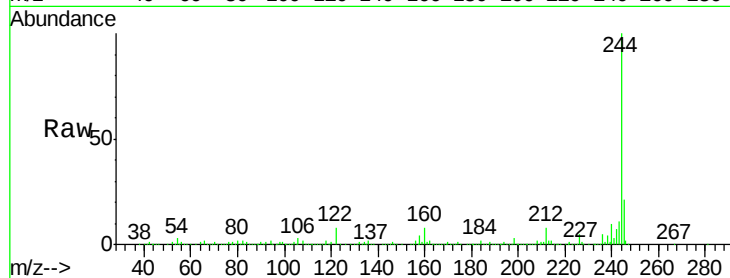
Tot Ion:184 Resp: 17559

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.2

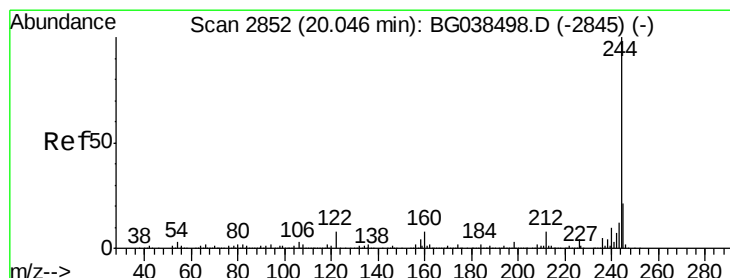
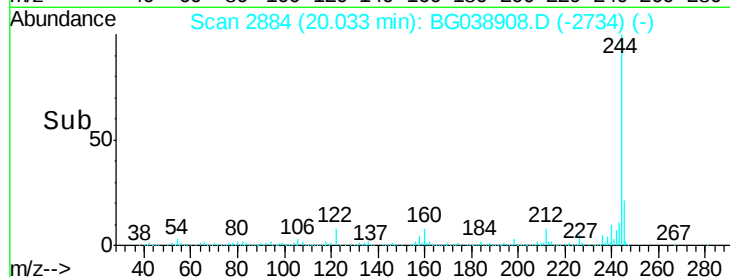
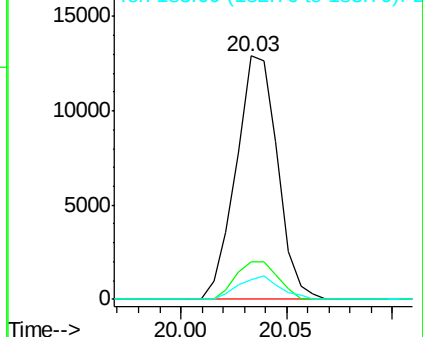
183 8.1 9.6 14.4#



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: 105.751 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038908.D

Acq: 3 Jan 2019 18:04

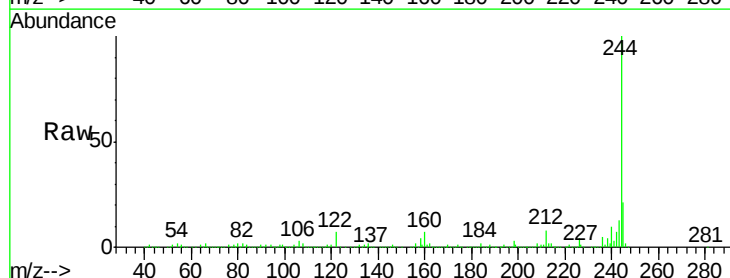
Tgt Ion:244 Resp: 1024622

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

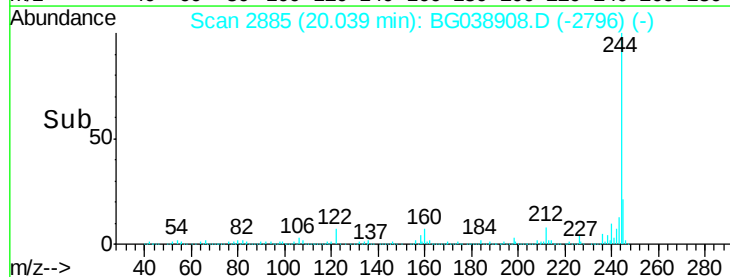
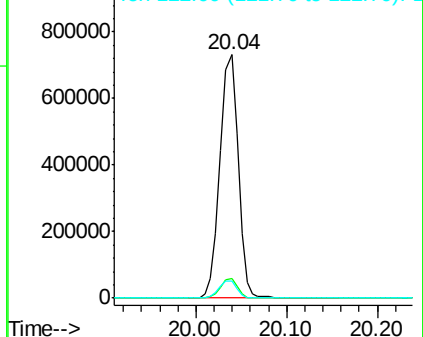
122 7.0 6.3 9.5

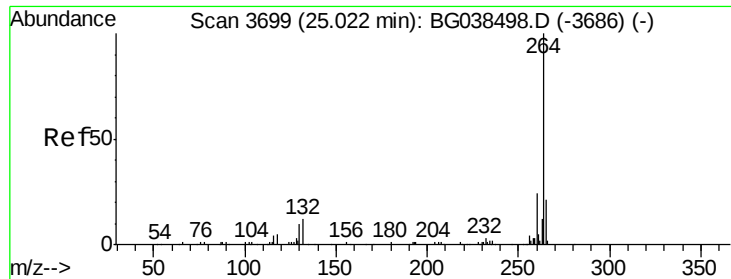


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

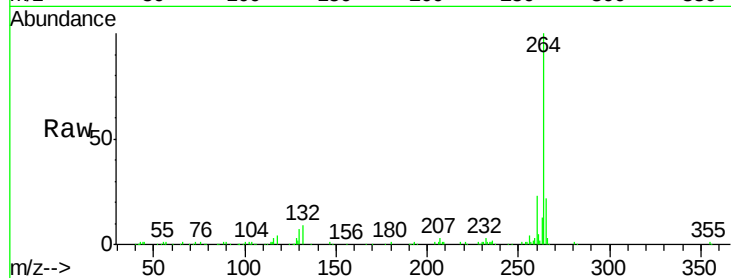




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038908.D
 Acq: 3 Jan 2019 18:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.9	28.3
265	21.8	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

