

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038938.D
 Acq On : 4 Jan 2019 20:27
 Operator : JU/SJ
 Sample : K1042-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 22:48:47 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

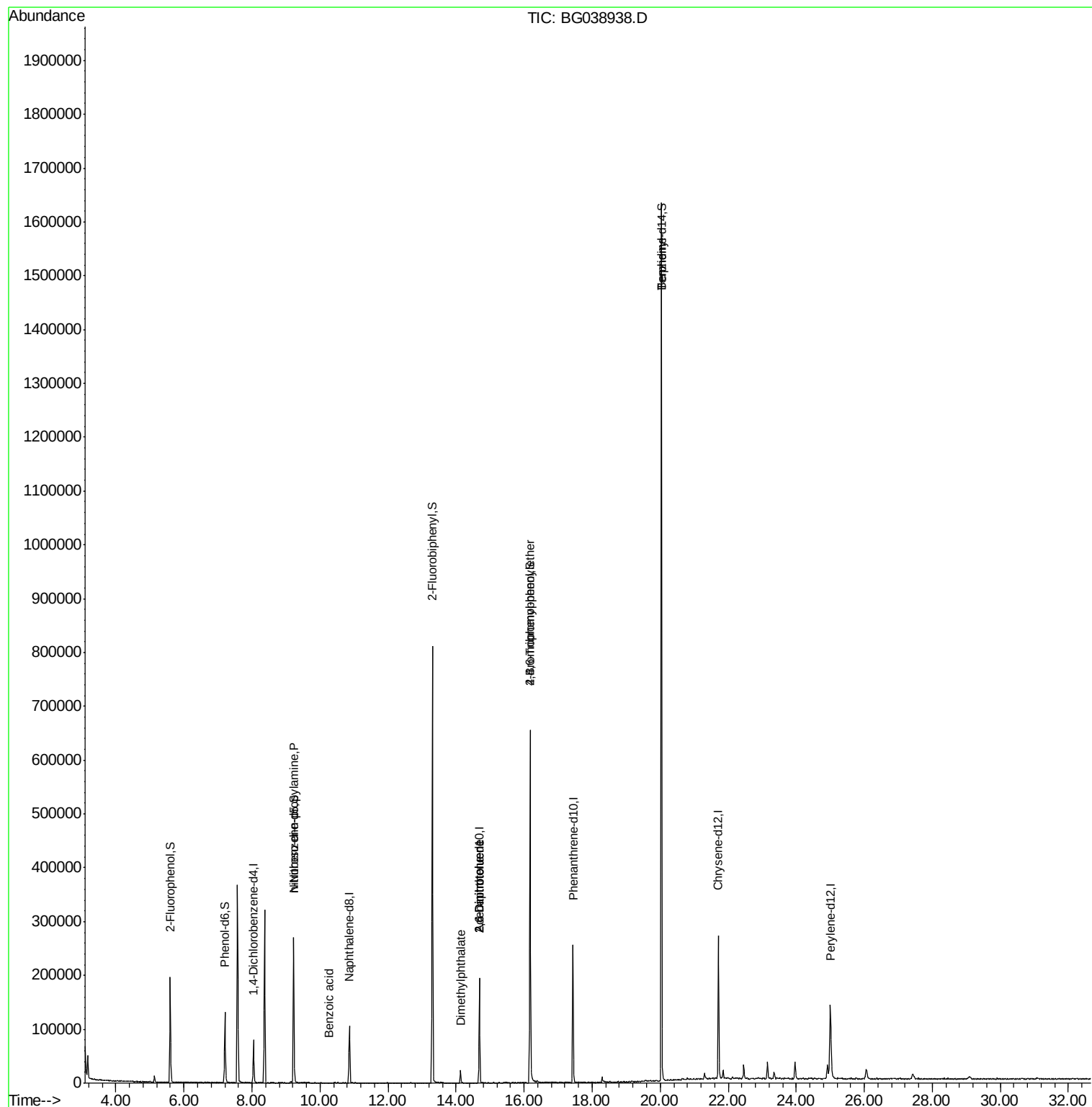
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23875	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	99244	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	71882	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	175358	20.00	ng	0.00
76) Chrysene-d12	21.71	240	176008	20.00	ng	-0.01
87) Perylene-d12	25.00	264	183353	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	92026	68.37	ng	0.00
7) Phenol-d6	7.21	99	80520	43.57	ng	0.00
23) Nitrobenzene-d5	9.22	82	167643	86.30	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	149237	150.64	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	463651	88.49	ng	-0.01
79) Terphenyl-d14	20.04	244	842503	104.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	22011	16.959	ng	# 63
32) Benzoic acid	10.27	122	66	10.221	ng	# 1
50) Dimethylphthalate	14.13	163	19390	3.303	ng	# 99
51) 2,6-Dinitrotoluene	14.69	165	9209	6.923	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9209	4.915	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9407	4.392	ng	# 1
77) Benzidine	20.04	184	13836	2.658	ng	# 96

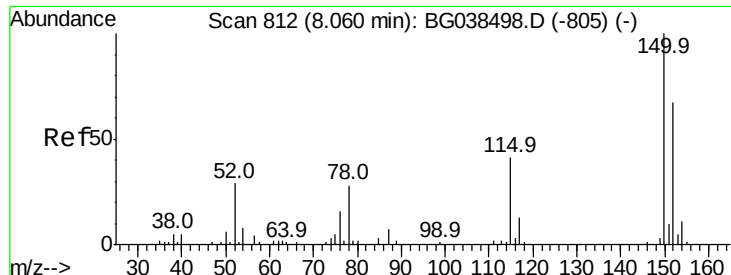
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



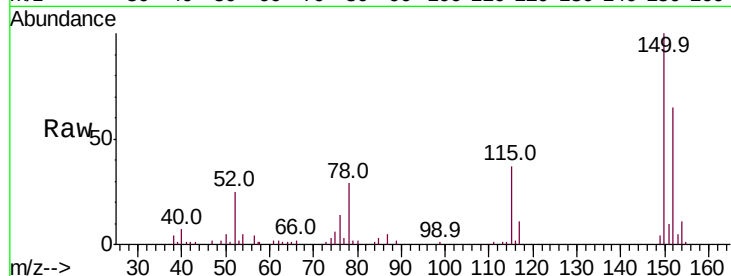


#1

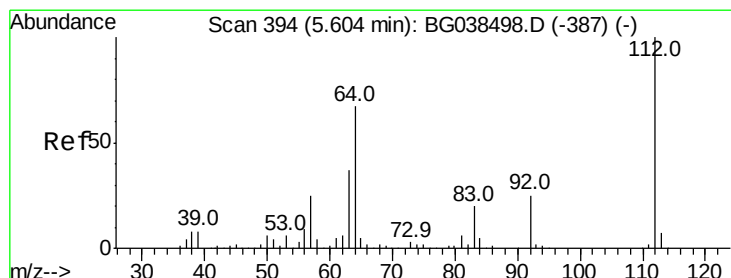
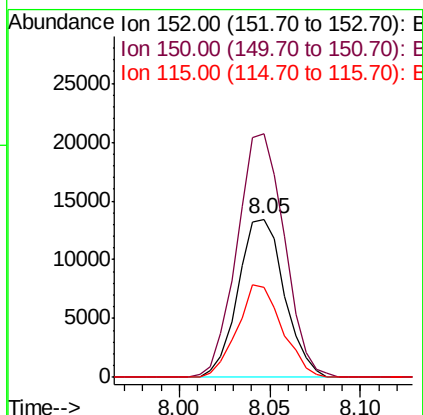
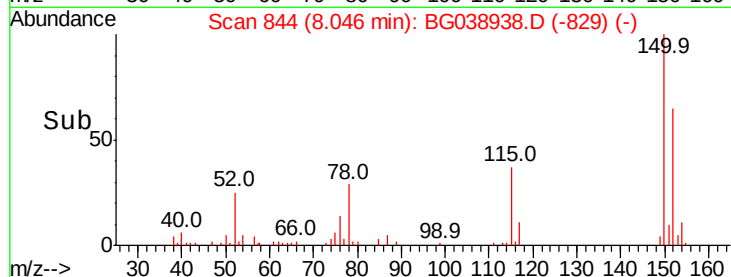
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038938.D
Acq: 4 Jan 2019 20:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23875
Ion Ratio Lower Upper
152 100
150 154.2 119.5 179.3
115 56.7 49.6 74.4



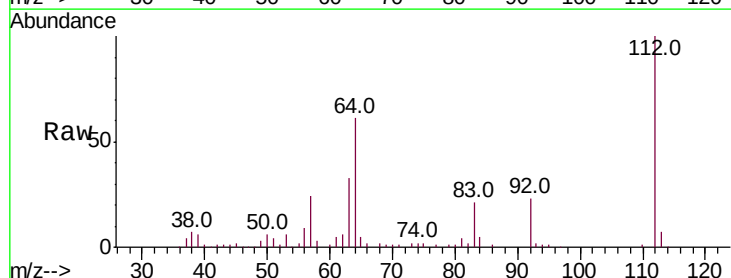
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



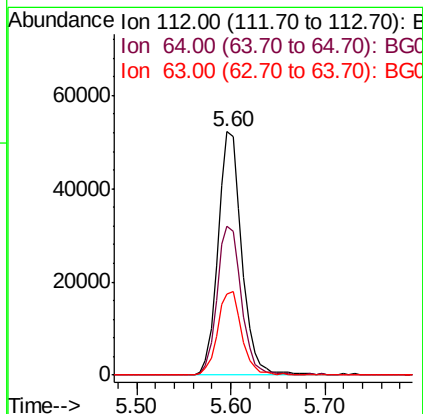
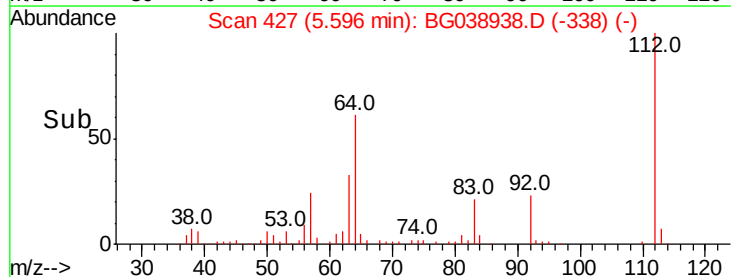
#5

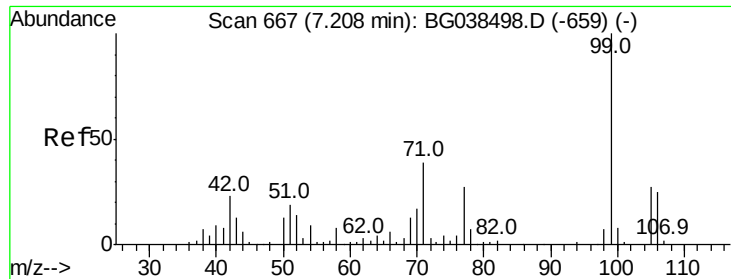
2-Fluorophenol
Concen: 68.365 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.01 min
Lab File: BG038938.D
Acq: 4 Jan 2019 20:27

Tgt Ion:112 Resp: 92026
Ion Ratio Lower Upper
112 100
64 61.2 53.4 80.2
63 33.1 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: 43.573 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Instrument :

BNA_G

ClientSampled :

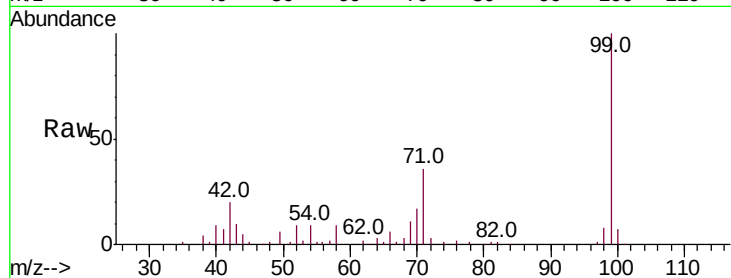
Tot Ion: 99 Resp: 80520

Ion Ratio Lower Upper

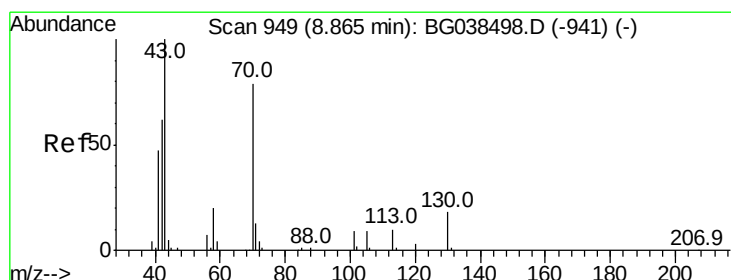
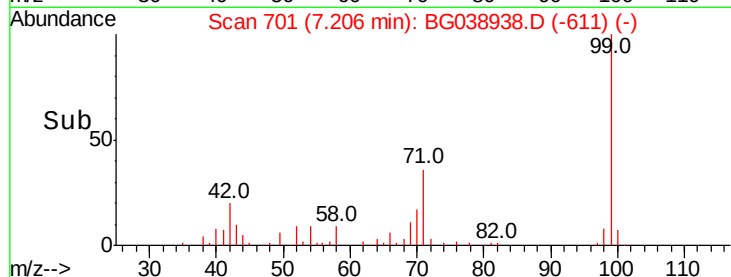
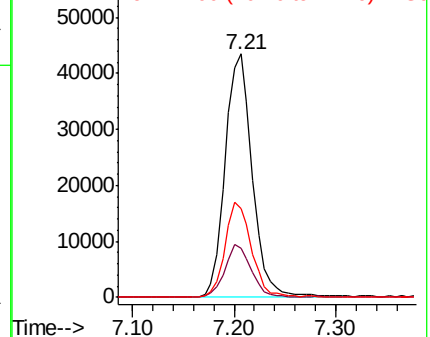
99 100

42 20.2 18.5 27.7

71 36.3 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: 16.959 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Tgt Ion: 70 Resp: 22011

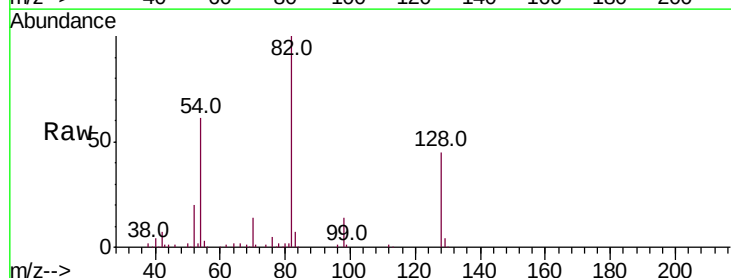
Ion Ratio Lower Upper

70 100

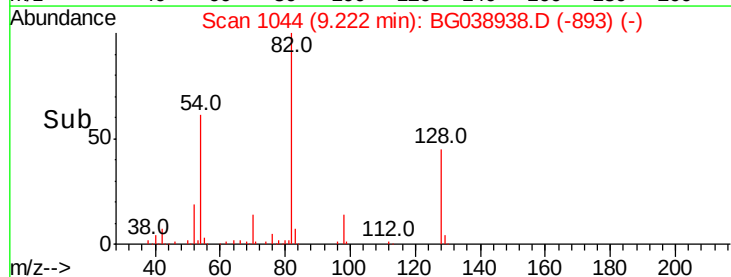
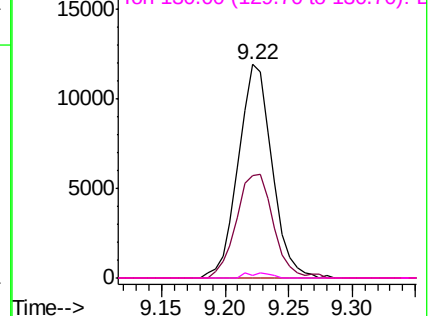
42 48.2 63.6 95.4#

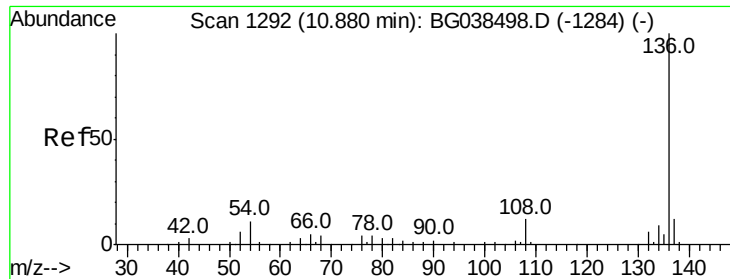
101 0.0 9.2 13.8#

130 1.5 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

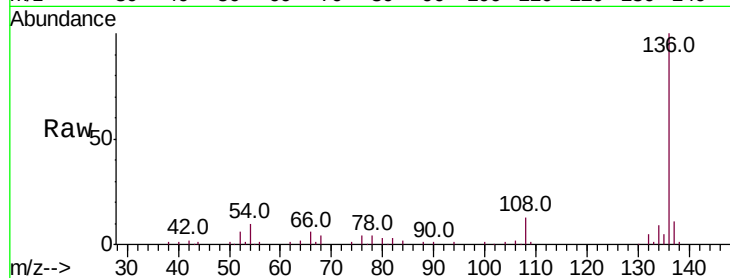




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038938.D
Acq: 4 Jan 2019 20:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	99244
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	9.5	8.5	12.7
68	4.4	3.5	5.3



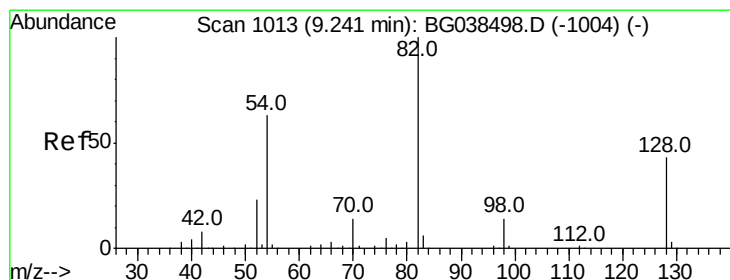
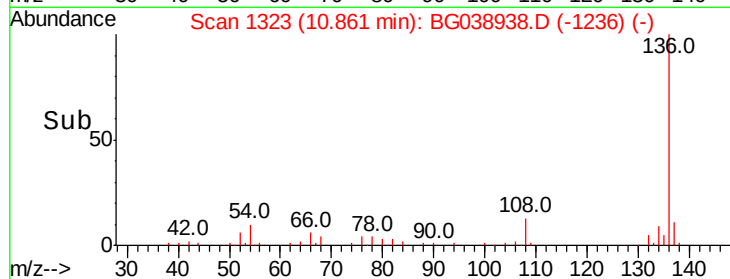
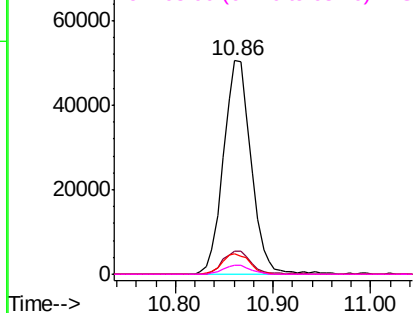
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

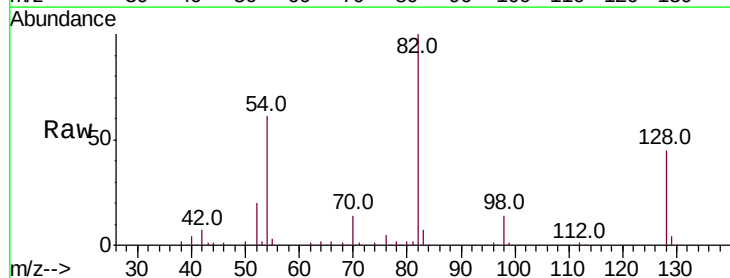
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 86.296 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038938.D
Acq: 4 Jan 2019 20:27

Tgt Ion:	82	Resp:	167643
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.6	52.0
54	60.8	50.6	76.0

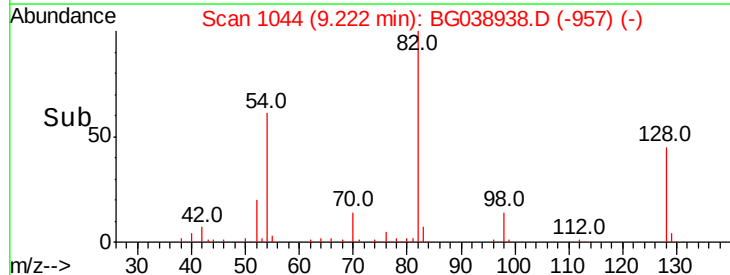
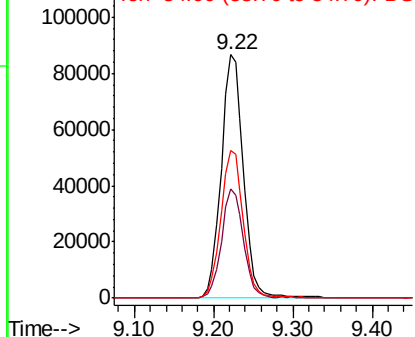


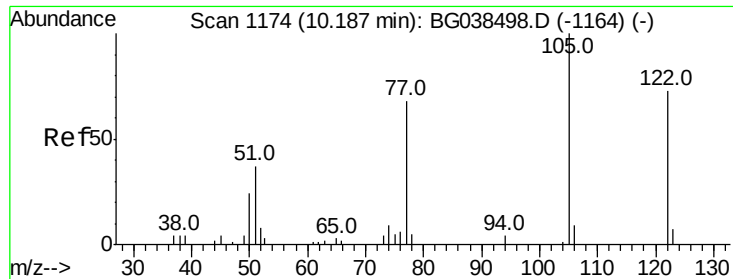
Abundance

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





#32

Benzoic acid

Concen: 10.221 ng

RT: 10.27 min Scan# 1222

Delta R.T. 0.08 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Instrument :

BNA_G

ClientSampleId :

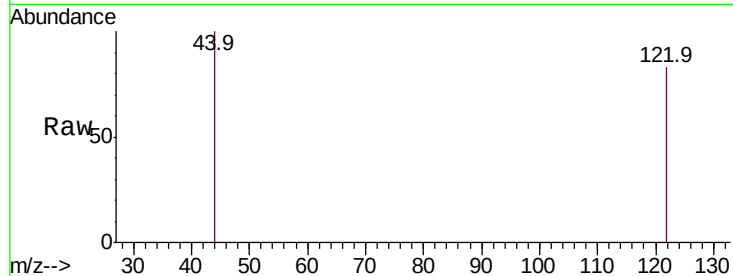
Tot Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 0.0 116.7 156.7#

77 0.0 72.5 112.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

250

200

150

100

50

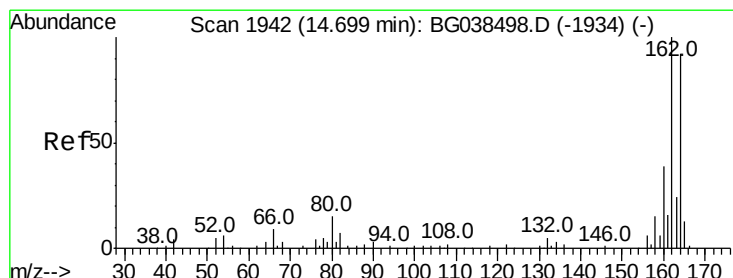
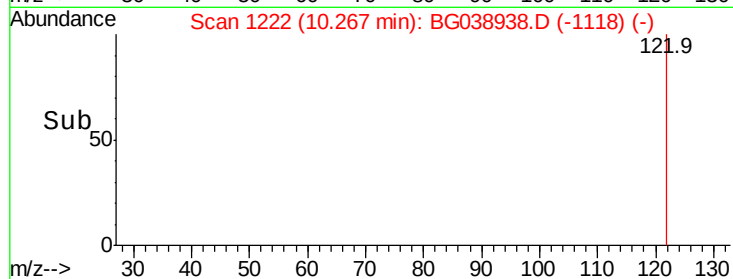
0

10.26

10.27

10.28

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

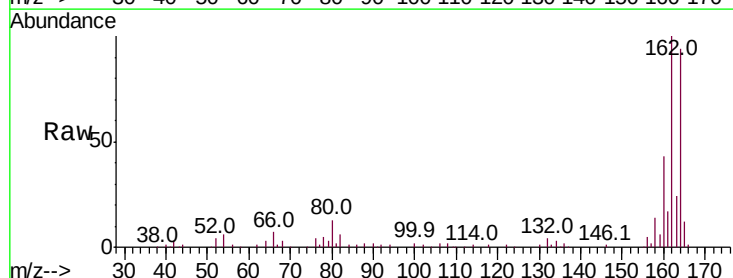
Tgt Ion:164 Resp: 71882

Ion Ratio Lower Upper

164 100

162 106.2 86.6 130.0

160 46.0 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

60000

50000

40000

30000

20000

10000

0

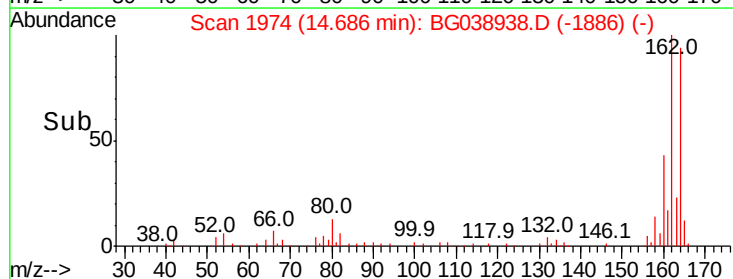
14.60

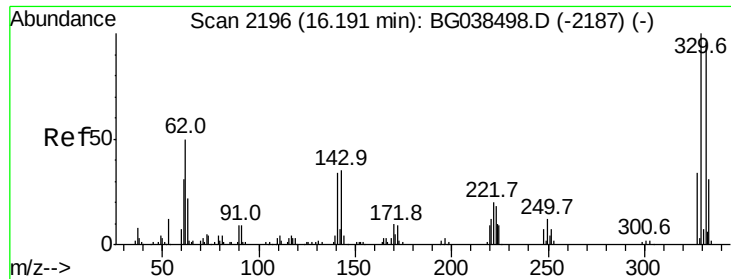
14.65

14.69

14.75

Time-->

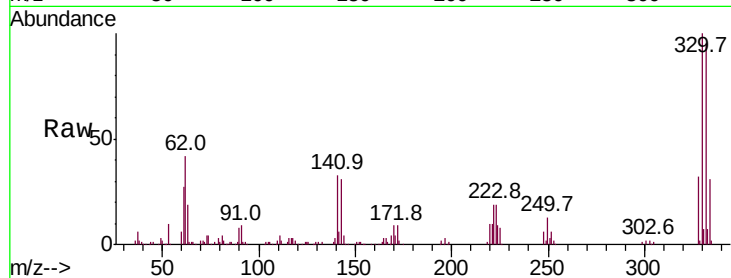




#42
 2,4,6-Tribromophenol
 Concen: 150.643 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038938.D
 Acq: 4 Jan 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.9	115.3
141	33.2	28.8	43.2

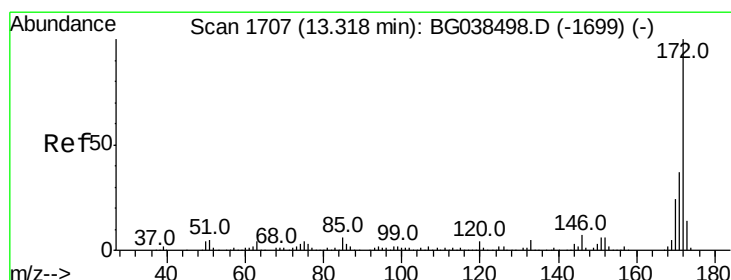
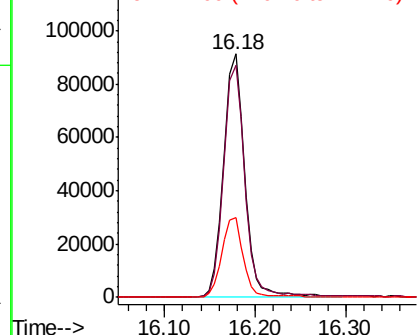
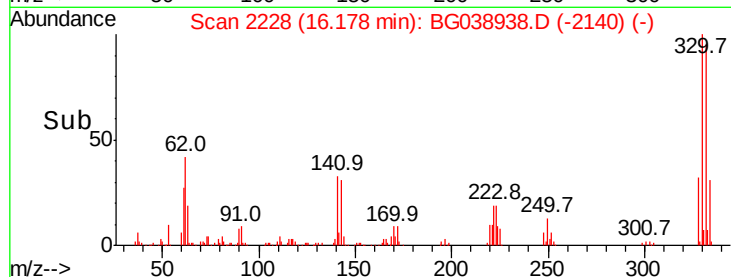


Abundance

Ion 329.80 (329.50 to 330.50): E

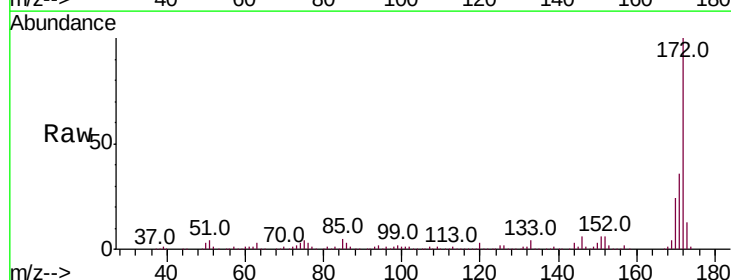
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.487 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038938.D
 Acq: 4 Jan 2019 20:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.0	19.5	29.3

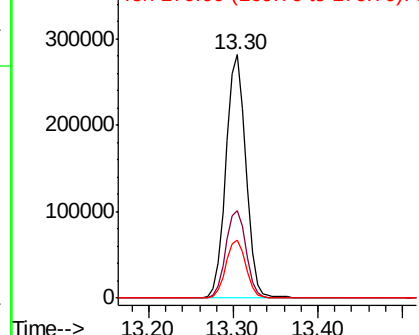
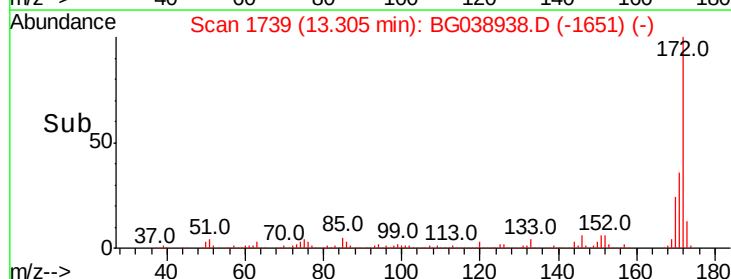


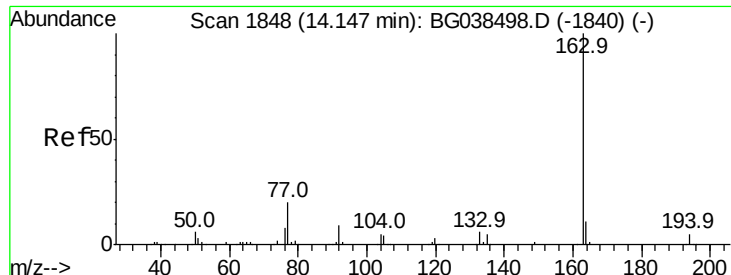
Abundance

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





#50

Dimethylphthalate

Concen: 3.303 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Instrument :

BNA_G

ClientSampleId :

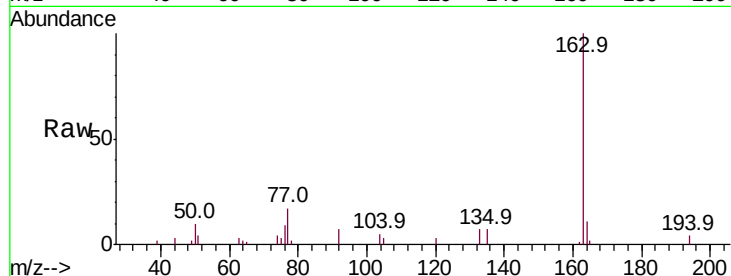
Tot Ion:163 Resp: 19390

Ion Ratio Lower Upper

163 100

194 4.4 3.7 5.5

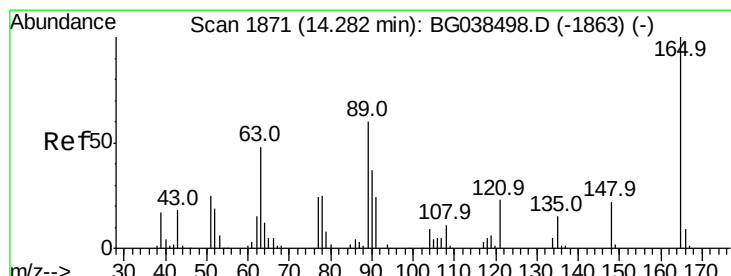
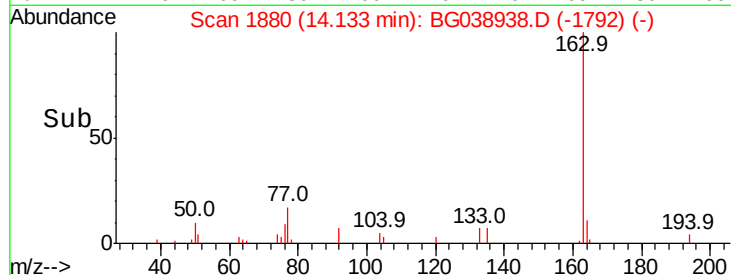
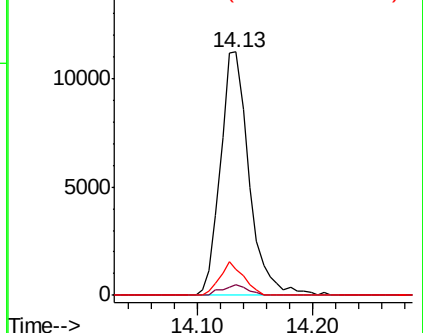
164 10.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.923 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.40 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

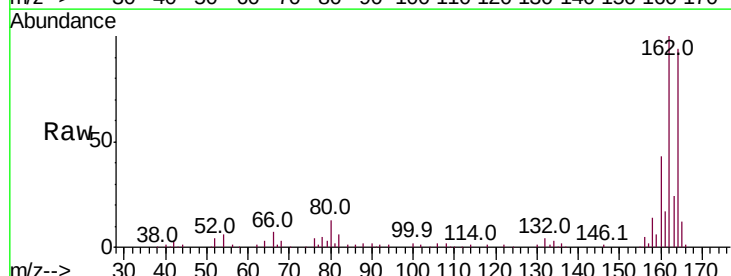
Tgt Ion:165 Resp: 9209

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

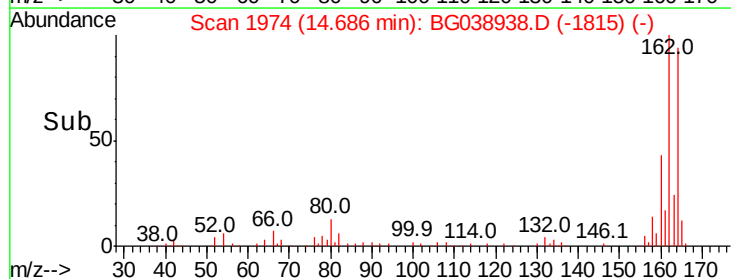
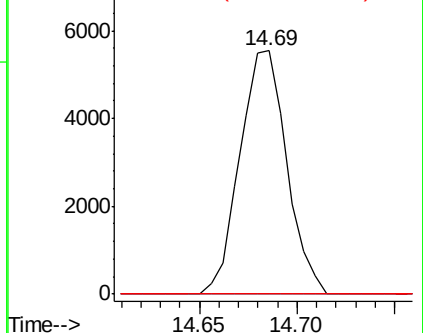
89 0.0 47.9 71.9#

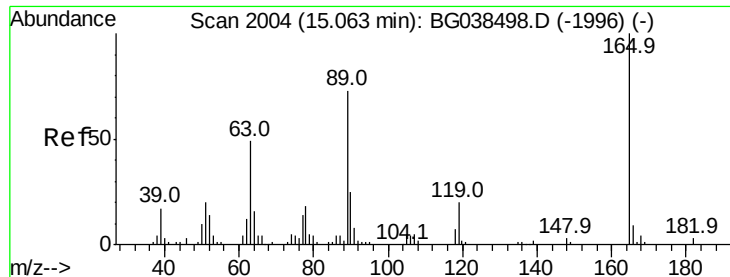


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

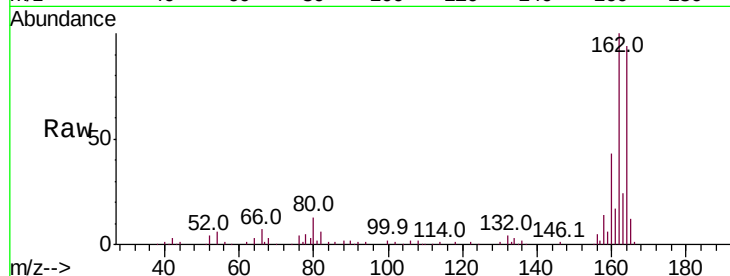




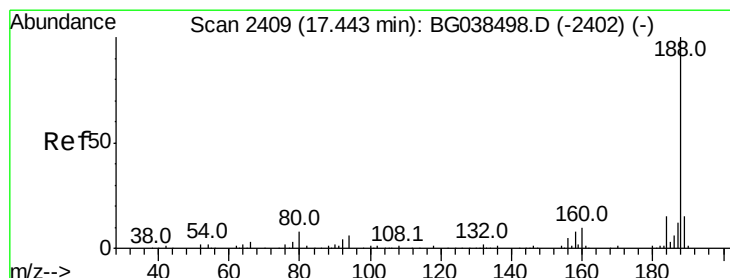
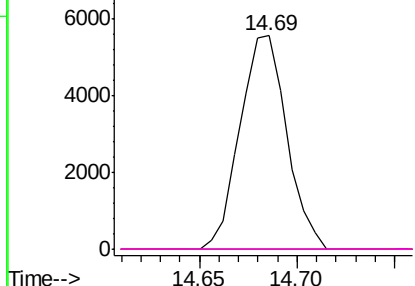
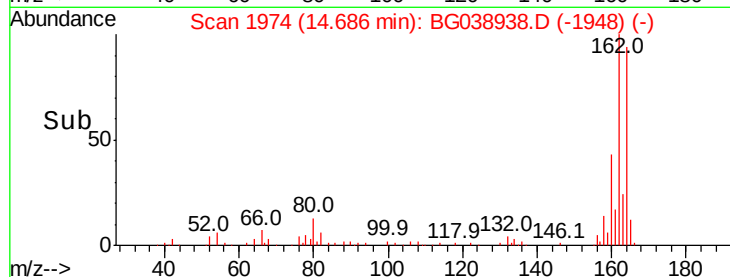
#57
 2,4-Dinitrotoluene
 Concen: 4.915 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038938.D
 Acq: 4 Jan 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9209
 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#

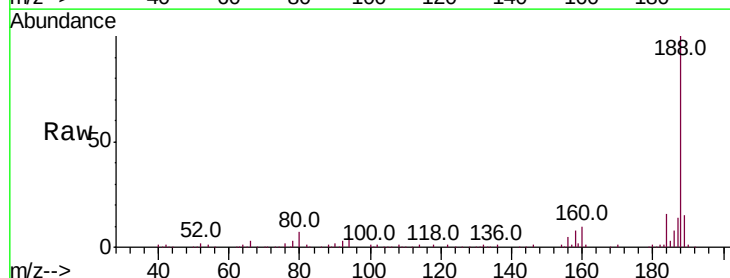


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

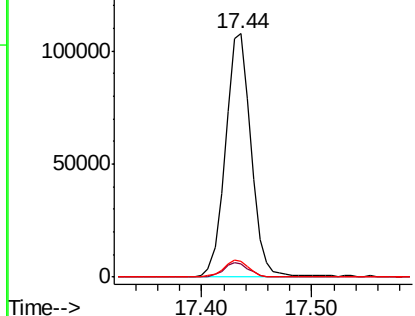
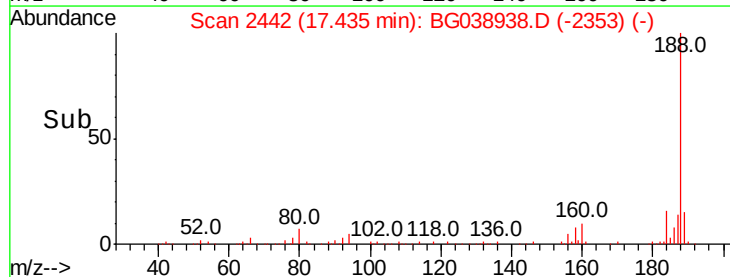


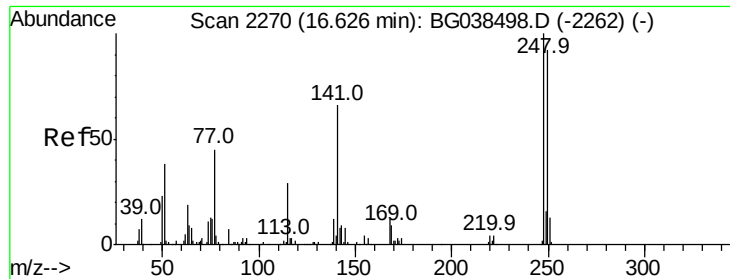
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038938.D
 Acq: 4 Jan 2019 20:27

Tgt Ion:188 Resp: 175358
 Ion Ratio Lower Upper
 188 100
 94 5.3 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): BG
 Ion 80.00 (79.70 to 80.70): BG





#67

4-Bromophenyl-phenylether

Concen: 4.392 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Instrument :

BNA_G

ClientSampleId :

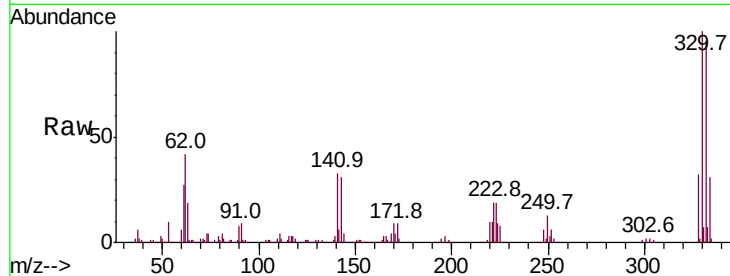
Tot Ion:248 Resp: 9407

Ion Ratio Lower Upper

248 100

250 192.9 73.4 110.2#

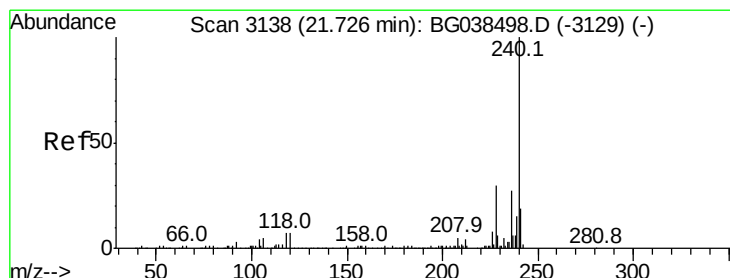
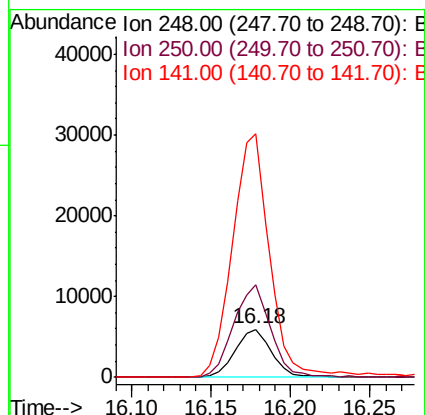
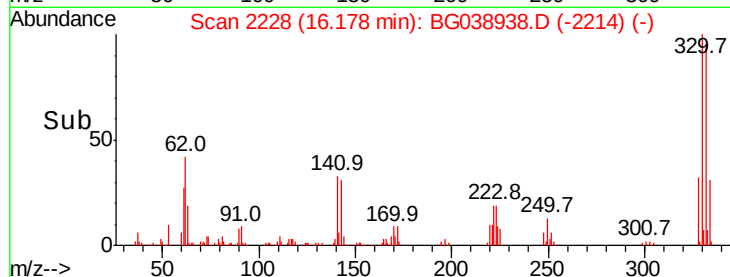
141 395.0 52.9 79.3#



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: BG038938.D

Acq: 4 Jan 2019 20:27

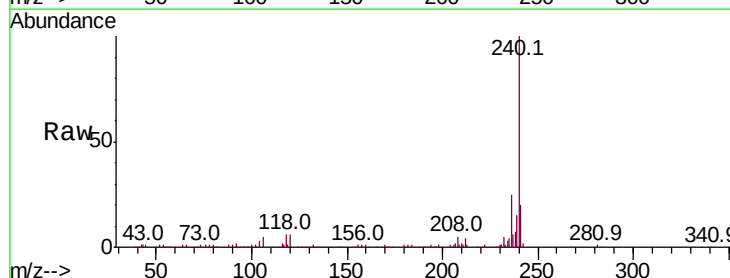
Tgt Ion:240 Resp: 176008

Ion Ratio Lower Upper

240 100

120 6.0 5.3 7.9

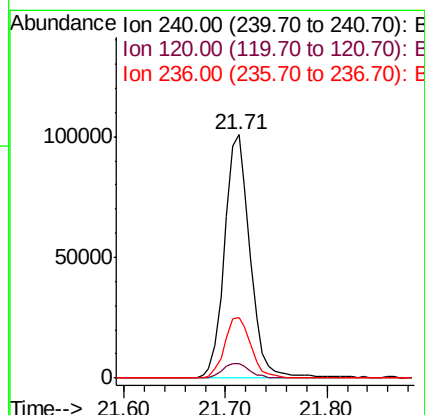
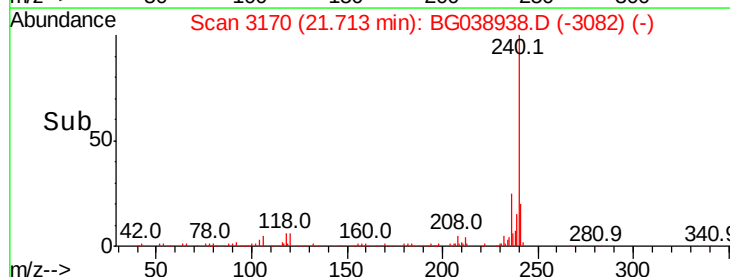
236 25.1 21.4 32.2

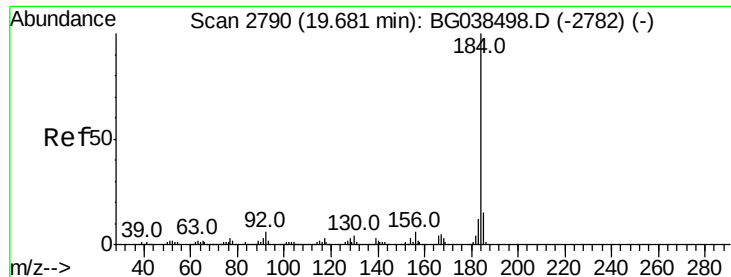


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.658 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

Instrument :

BNA_G

ClientSampleId :

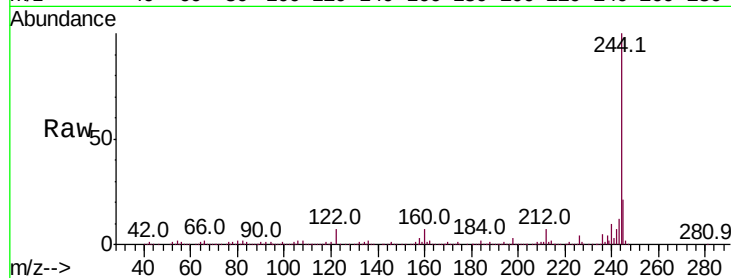
Tot Ion:184 Resp: 13836

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

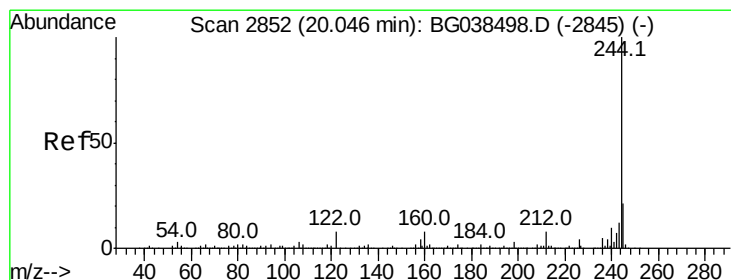
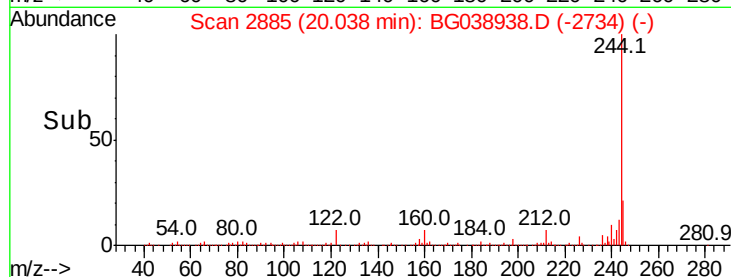
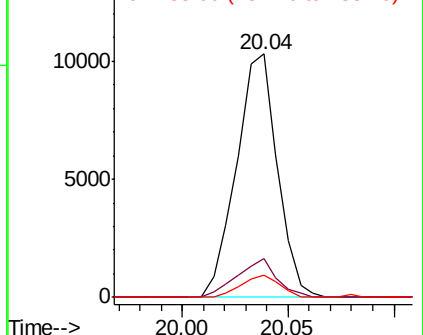
183 9.4 9.6 14.4#



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: 104.175 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038938.D

Acq: 4 Jan 2019 20:27

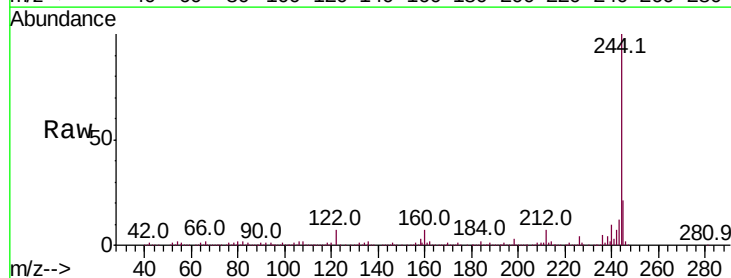
Tgt Ion:244 Resp: 842503

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

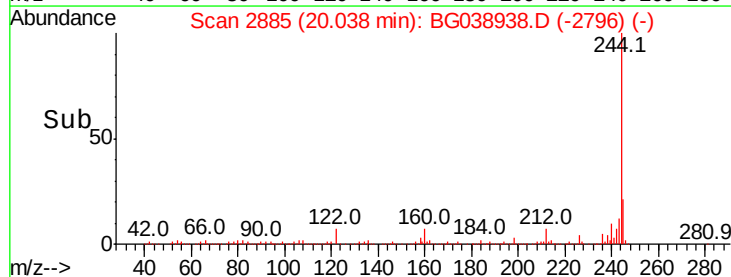
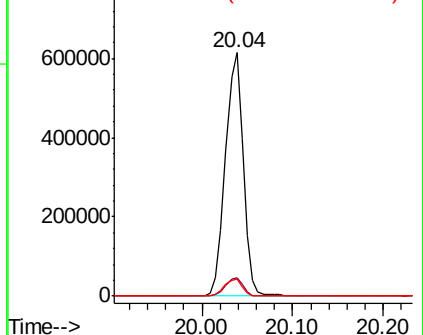
122 6.8 6.3 9.5

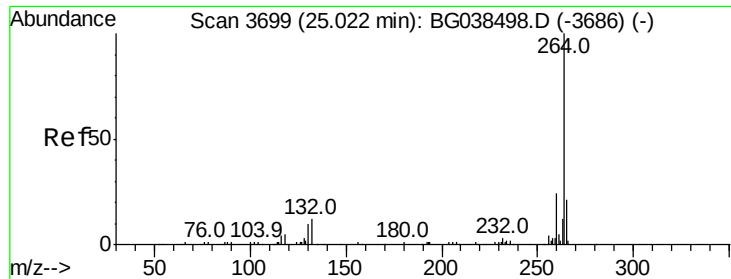


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038938.D
 Acq: 4 Jan 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.3	17.0	25.4

