

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038650.D
 Acq On : 16 Dec 2018 21:26
 Operator : JU/SJ
 Sample : J6357-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:52:37 2018
 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

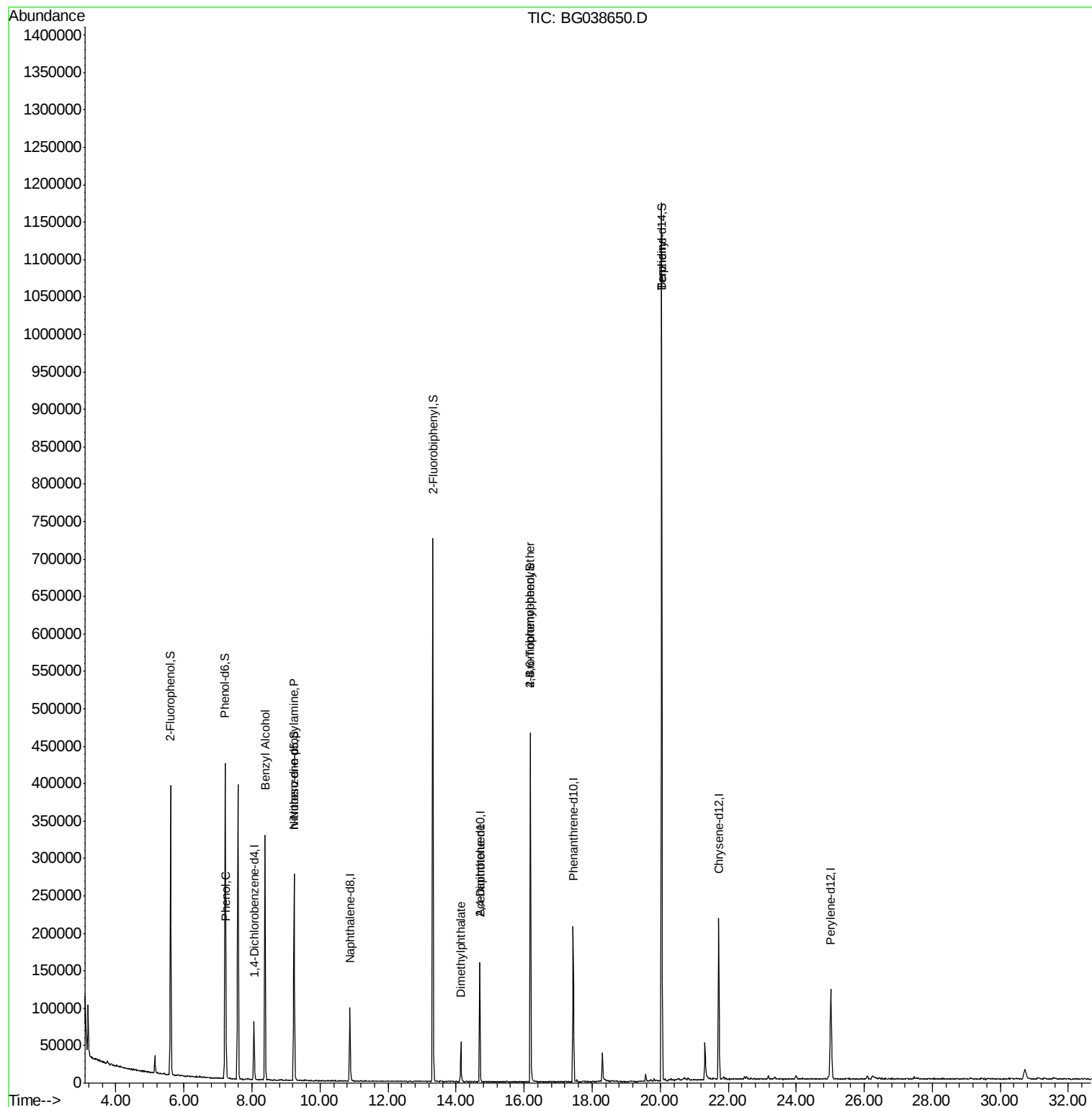
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21126	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	87276	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	58979	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	138828	20.00	ng	0.00
76) Chrysene-d12	21.72	240	135184	20.00	ng	0.00
87) Perylene-d12	25.02	264	146686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	161297	135.42	ng	0.00
7) Phenol-d6	7.21	99	226963	138.80	ng	0.00
23) Nitrobenzene-d5	9.23	82	164205	96.12	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	88959	109.44	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	378339	88.00	ng	0.00
79) Terphenyl-d14	20.04	244	559586	90.09	ng	0.00
Target Compounds						
10) Phenol	7.24	94	16329	9.400	ng	87
15) Benzyl Alcohol	8.38	79	2611	2.046	ng	# 56
19) n-Nitroso-di-n-propylamine	9.23	70	22493	19.586	ng	# 72
50) Dimethylphthalate	14.14	163	36872	7.655	ng	# 99
57) 2,4-Dinitrotoluene	14.69	165	7384	4.803	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5559	3.279	ng	# 1
77) Benzidine	20.04	184	10192	2.549	ng	# 95

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

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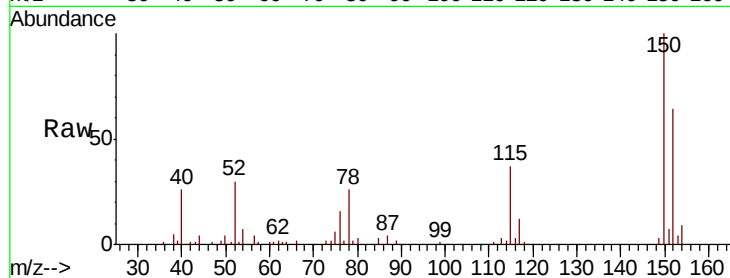


#1

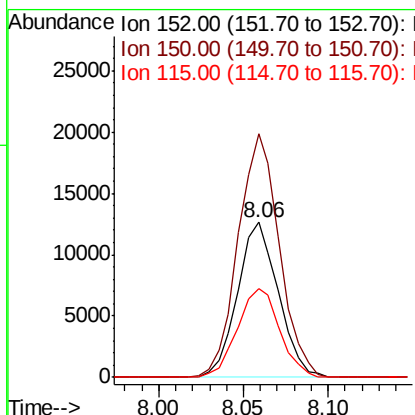
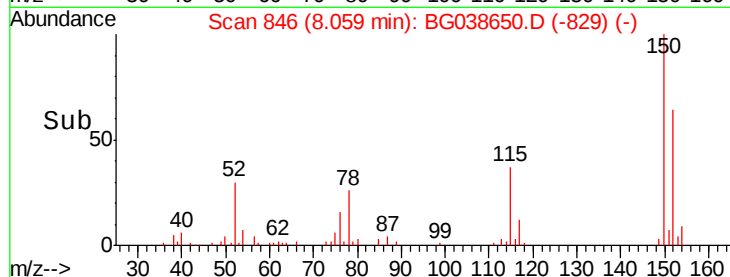
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21126
Ion Ratio Lower Upper
152 100
150 157.2 119.5 179.3
115 57.7 49.6 74.4



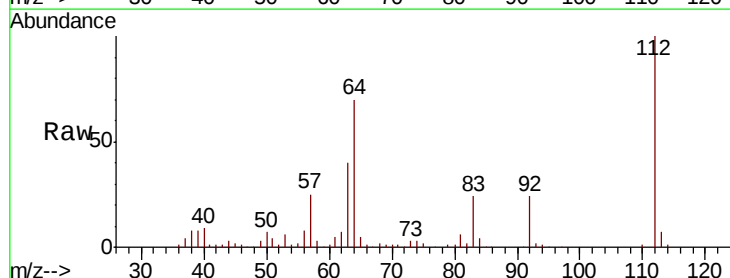
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



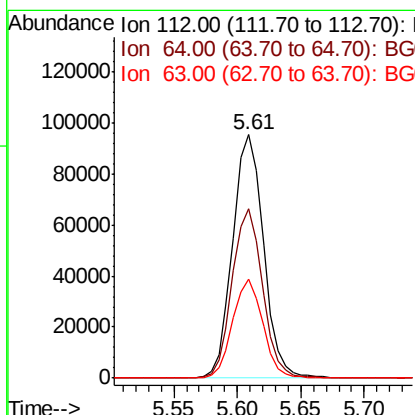
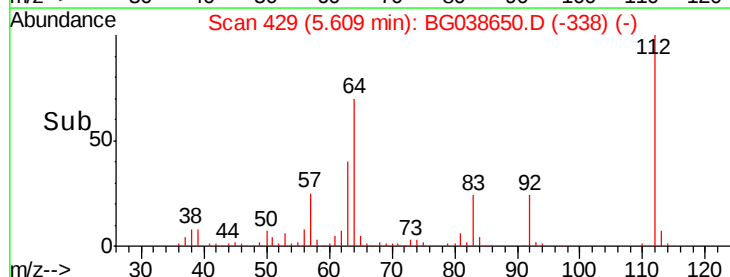
#5

2-Fluorophenol
Concen: 135.418 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Tgt Ion:112 Resp: 161297
Ion Ratio Lower Upper
112 100
64 69.7 53.4 80.2
63 40.4 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: 138.802 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

Instrument :

BNA_G

ClientSampleId :

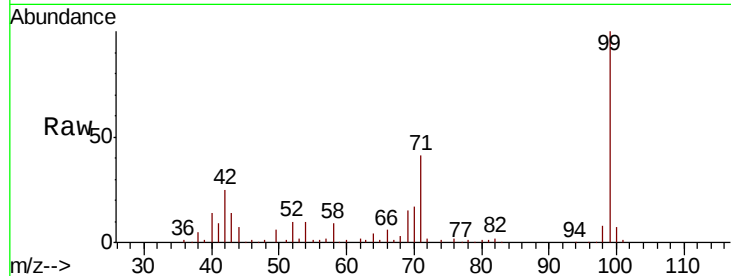
Tot Ion: 99 Resp: 226963

Ion Ratio Lower Upper

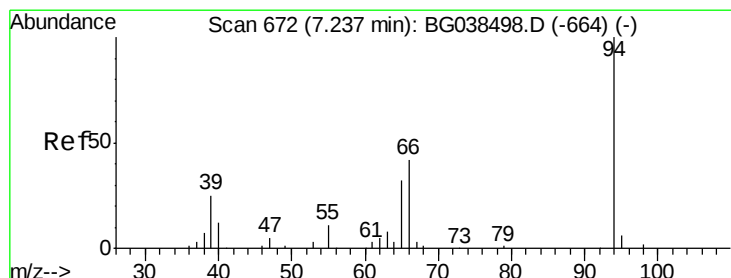
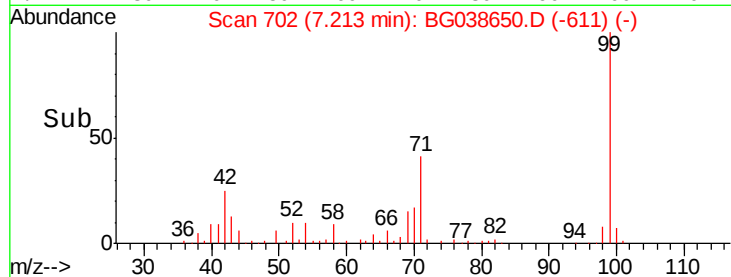
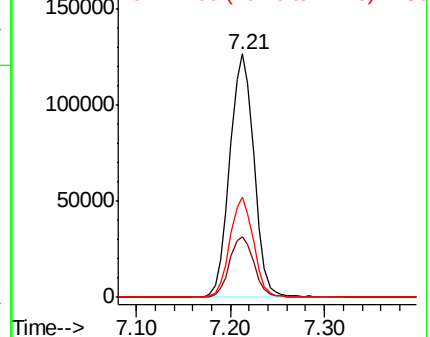
99 100

42 25.0 18.5 27.7

71 41.2 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



#10

Phenol

Concen: 9.400 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

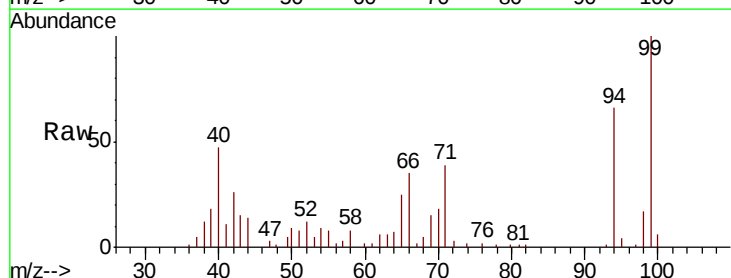
Tgt Ion: 94 Resp: 16329

Ion Ratio Lower Upper

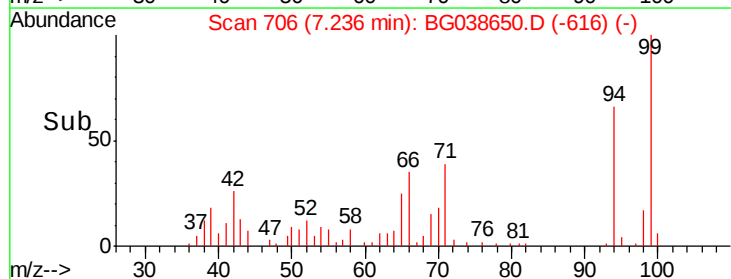
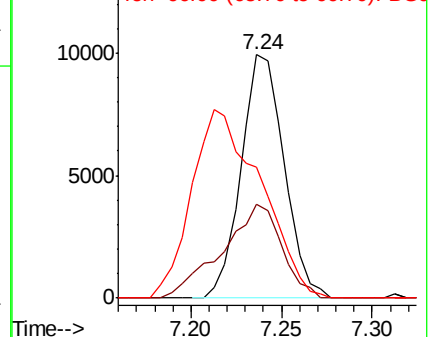
94 100

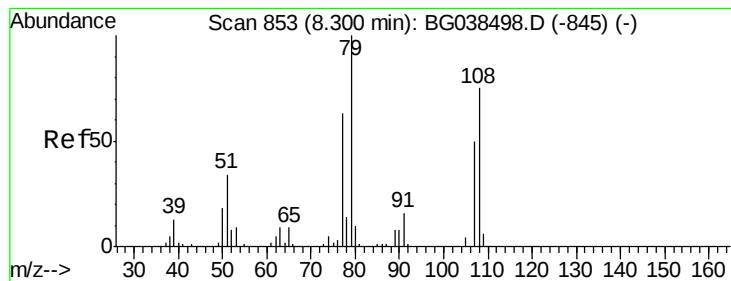
65 38.7 12.6 52.6

66 53.6 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.046 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

Instrument :

BNA_G

ClientSampled :

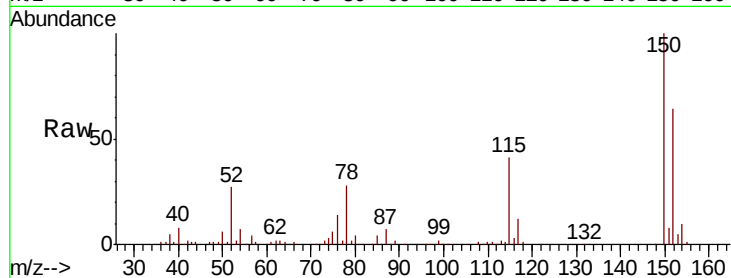
Tot Ion: 79 Resp: 2611

Ion Ratio Lower Upper

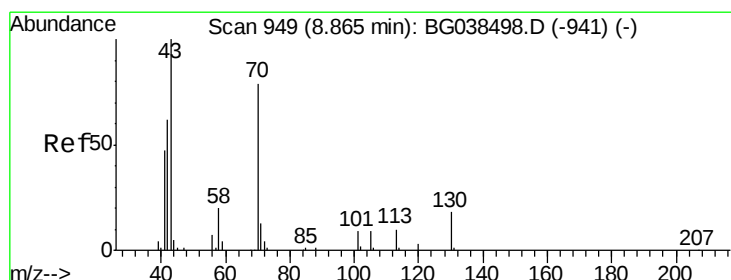
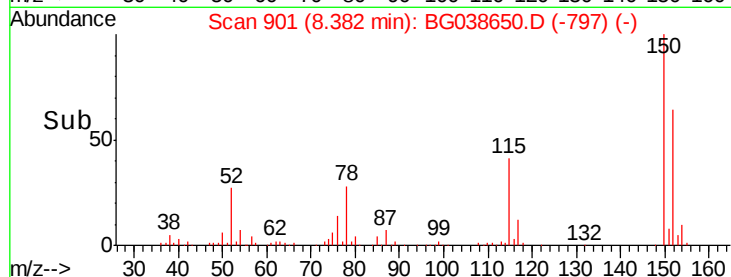
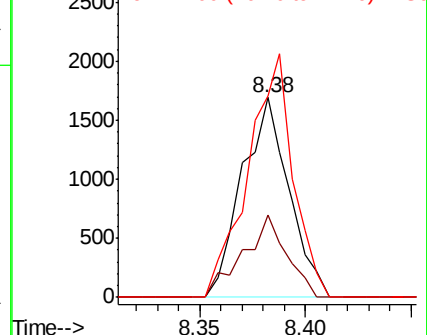
79 100

108 41.0 60.2 90.4#

77 101.1 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.586 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

Tgt Ion: 70 Resp: 22493

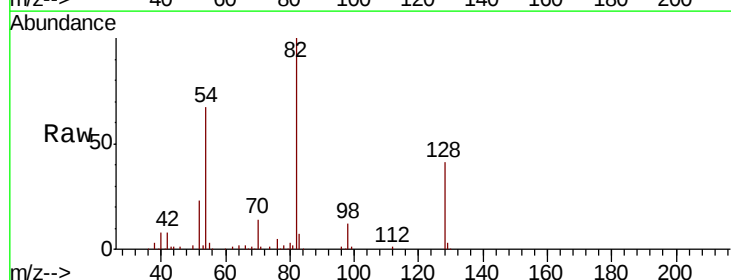
Ion Ratio Lower Upper

70 100

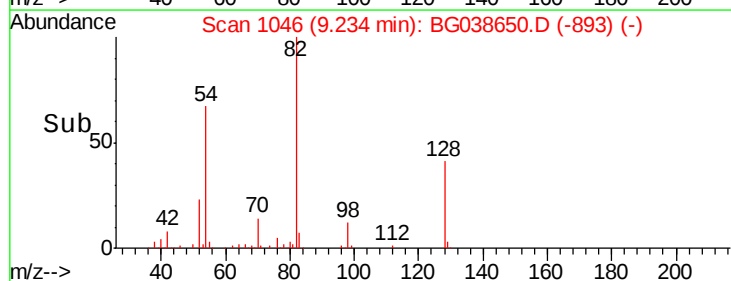
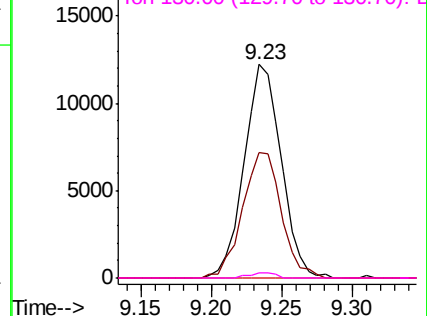
42 58.8 63.6 95.4#

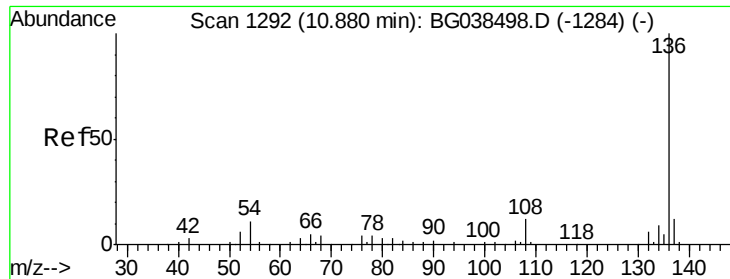
101 0.0 9.2 13.8#

130 2.2 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

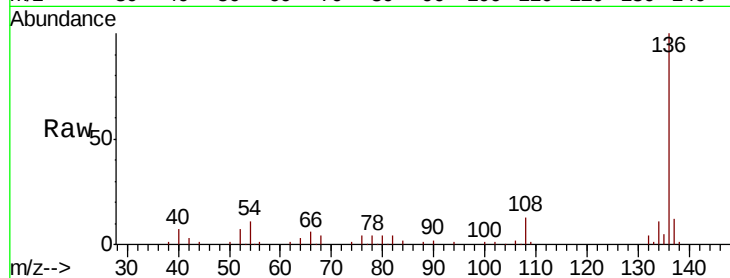




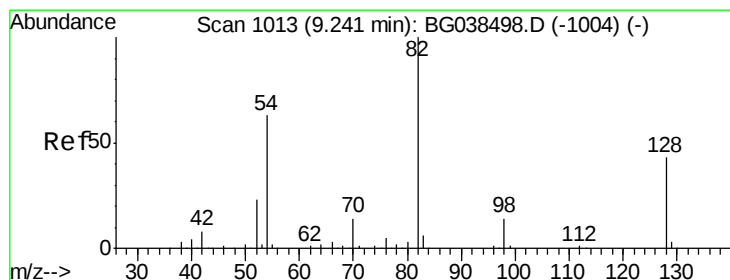
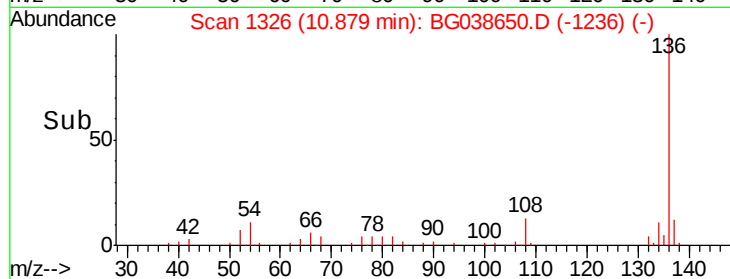
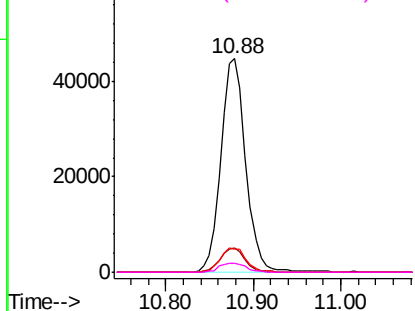
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	87276
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.3 13.9
54	11.0	8.5 12.7
68	4.4	3.5 5.3

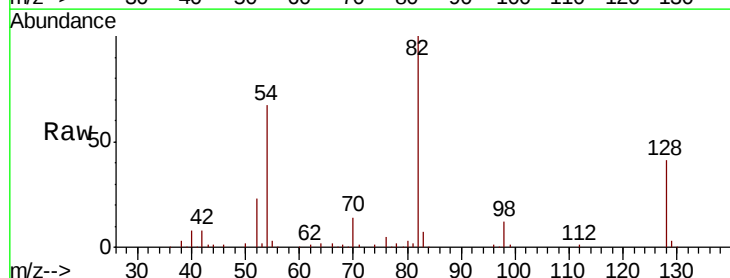


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

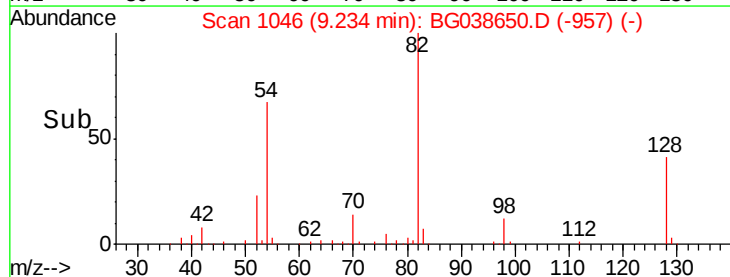
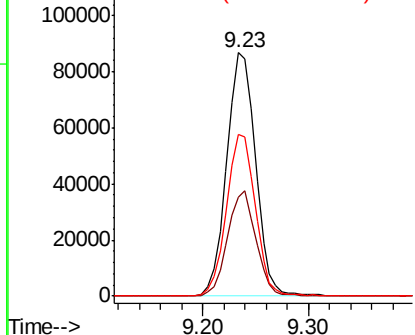


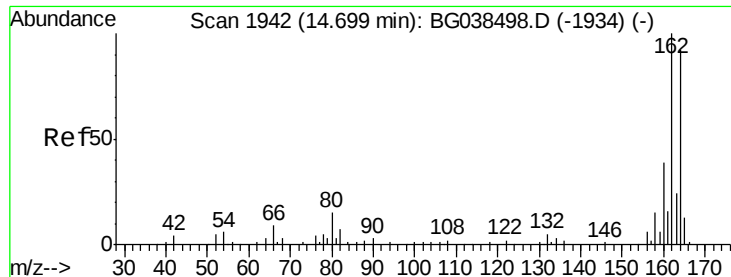
#23
Nitrobenzene-d5
Concen: 96.118 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Tgt Ion: 82	Resp:	164205
Ion	Ratio	Lower Upper
82	100	
128	40.6	34.6 52.0
54	66.6	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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

Instrument :

BNA_G

ClientSampleId :

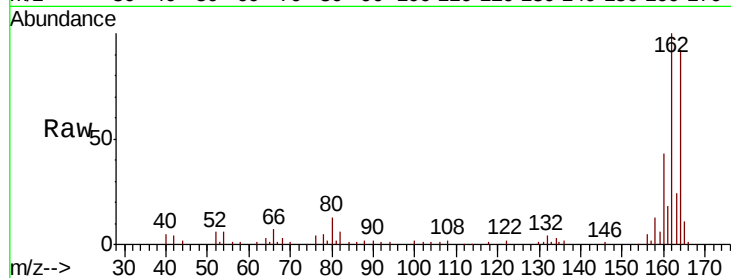
Tot Ion:164 Resp: 58979

Ion Ratio Lower Upper

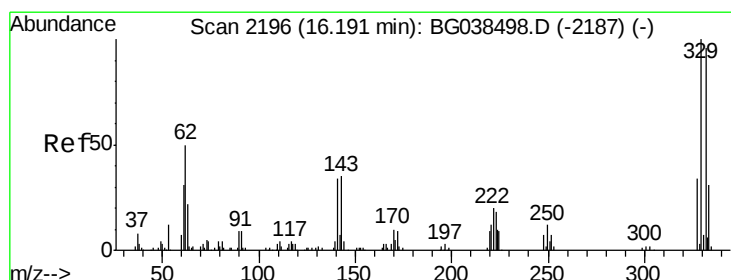
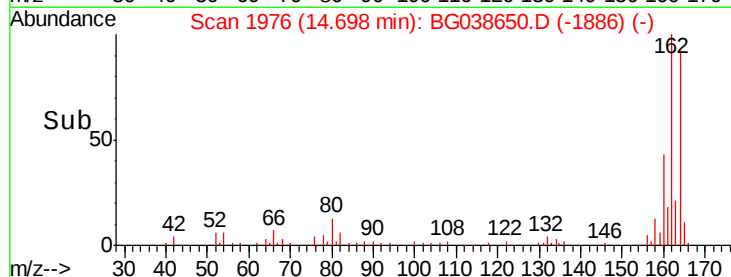
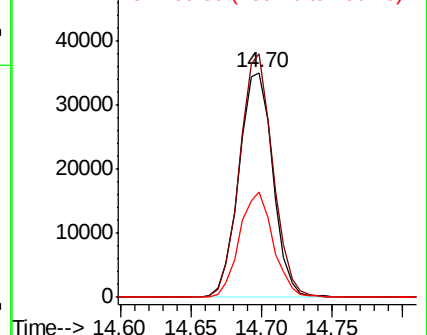
164 100

162 108.4 86.6 130.0

160 46.8 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: 109.443 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

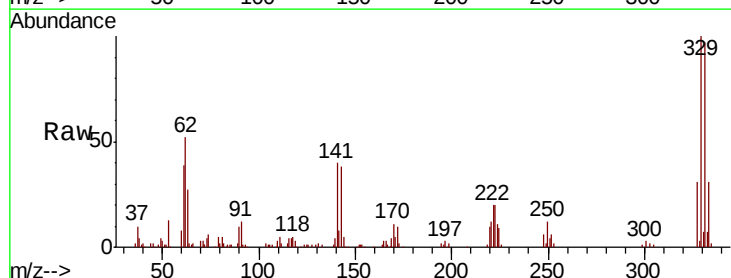
Tgt Ion:330 Resp: 88959

Ion Ratio Lower Upper

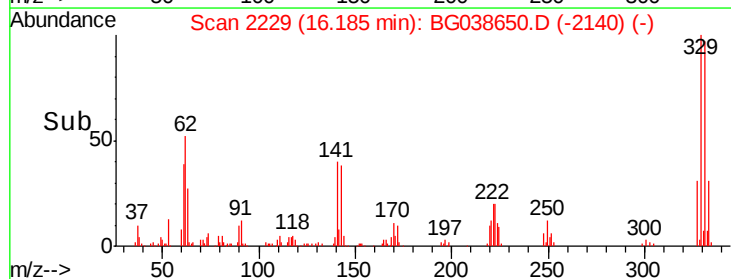
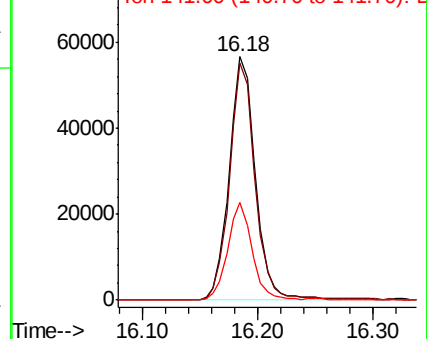
330 100

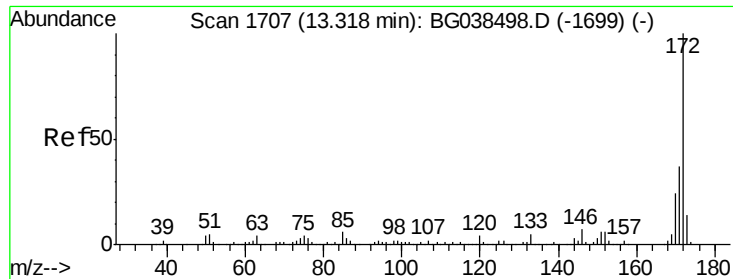
332 95.0 76.9 115.3

141 37.3 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

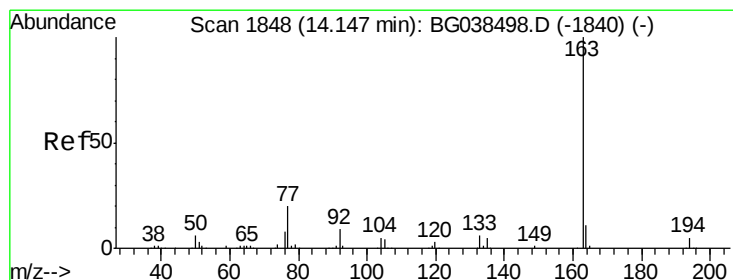
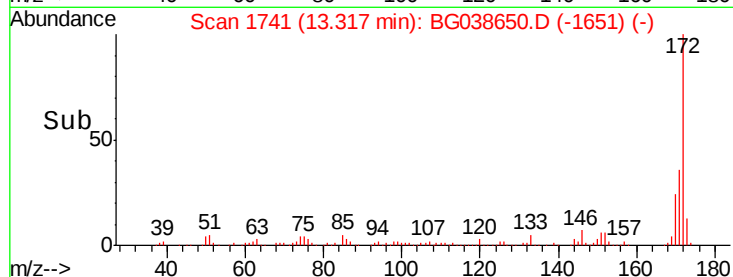
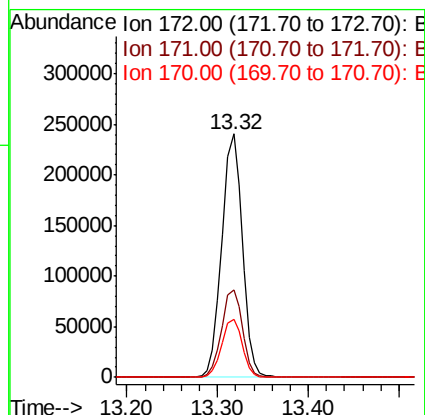
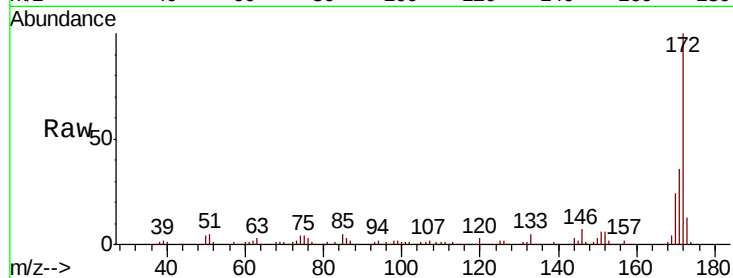




#45
 2-Fluorobiphenyl
 Concen: 88.001 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038650.D
 Acq: 16 Dec 2018 21:26

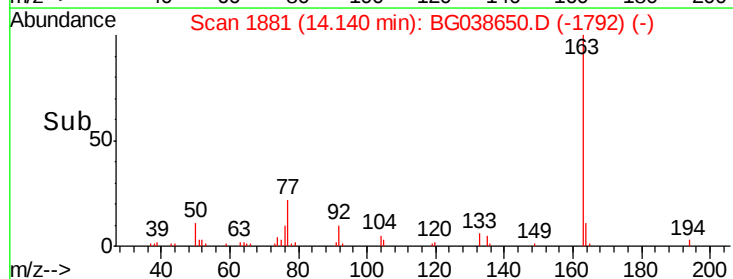
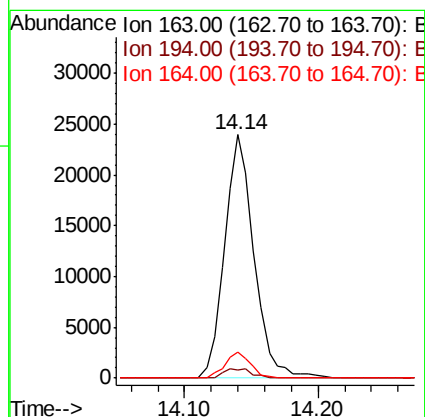
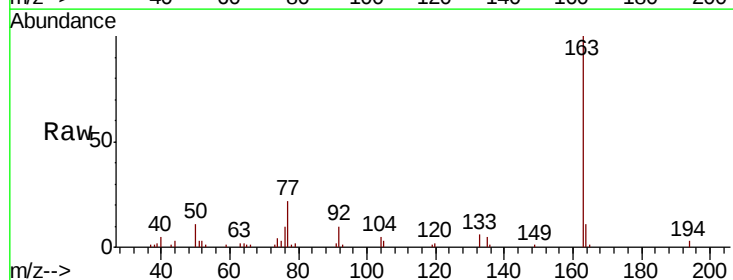
Instrument :
 BNA_G
 ClientSampleId :

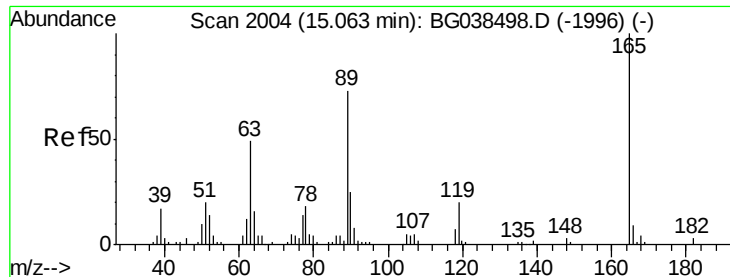
Tot Ion:172 Resp: 378339
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.8 44.6
 170 24.1 19.5 29.3



#50
 Dimethylphthalate
 Concen: 7.655 ng
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BG038650.D
 Acq: 16 Dec 2018 21:26

Tgt Ion:163 Resp: 36872
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.7 5.5#
 164 10.8 8.6 12.8

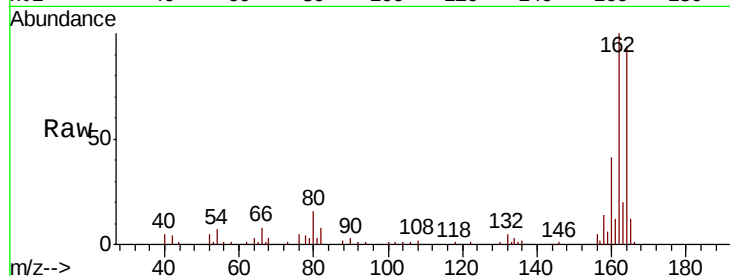




#57
 2,4-Dinitrotoluene
 Concen: 4.803 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038650.D
 Acq: 16 Dec 2018 21:26

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#



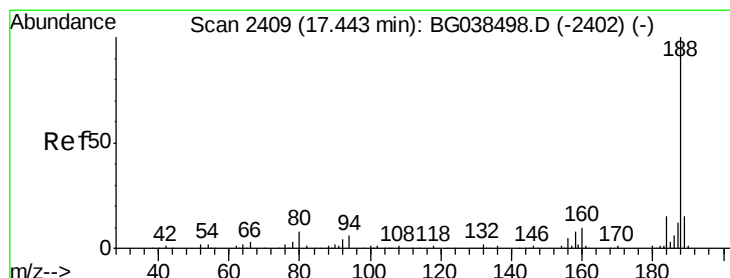
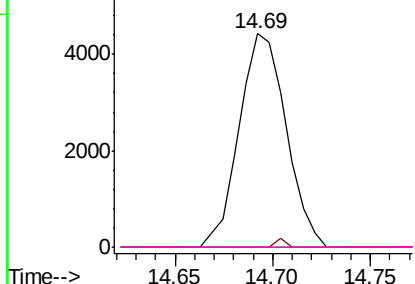
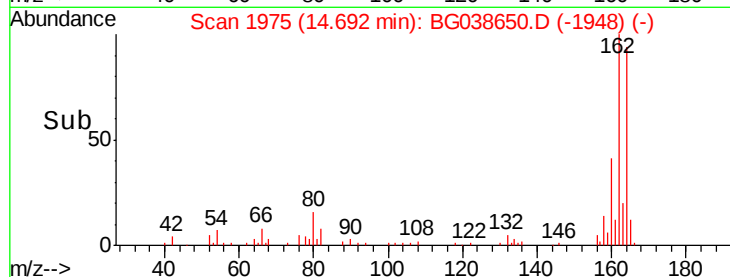
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

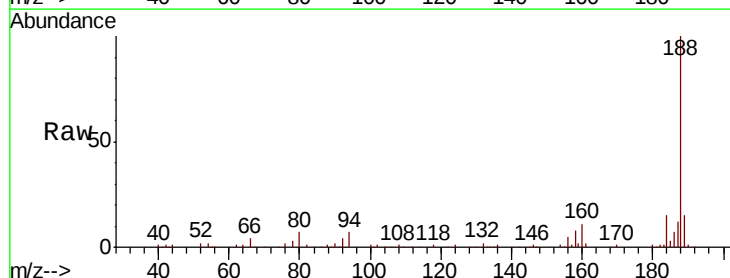
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038650.D
 Acq: 16 Dec 2018 21:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.1	7.7
80	6.9	6.1	9.1

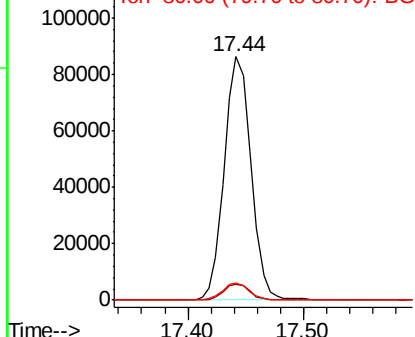
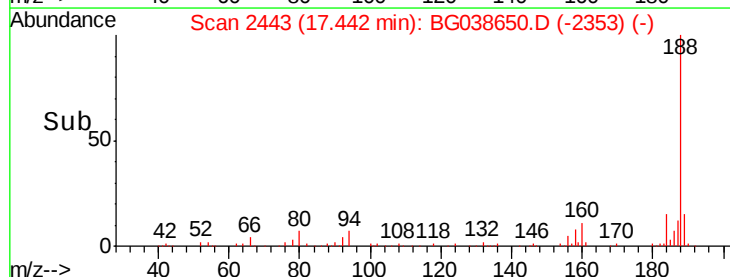


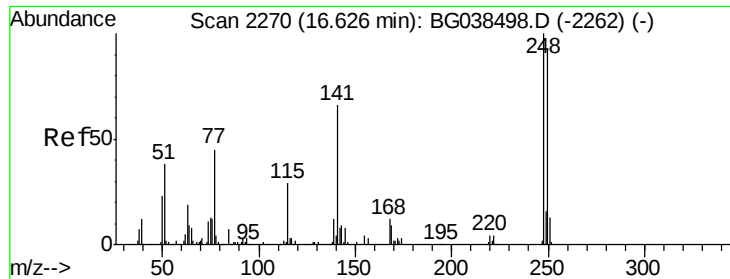
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

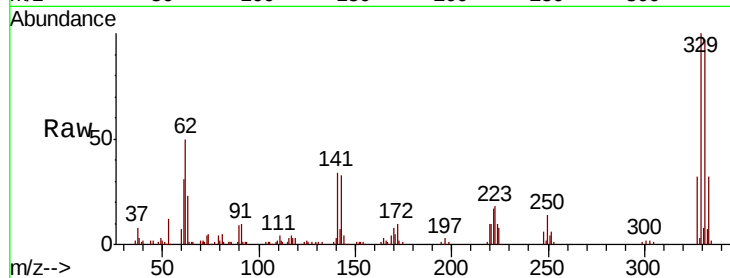




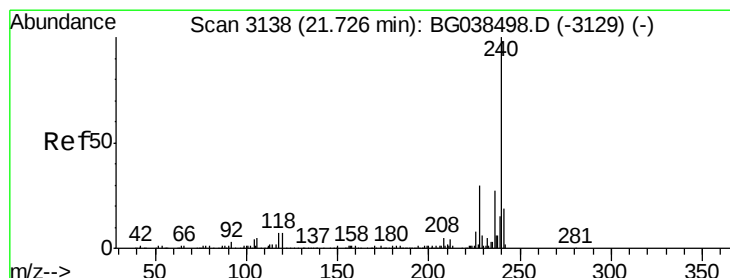
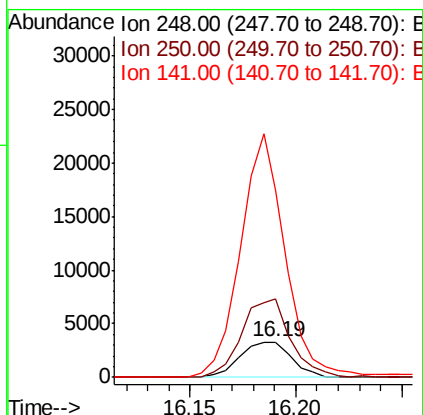
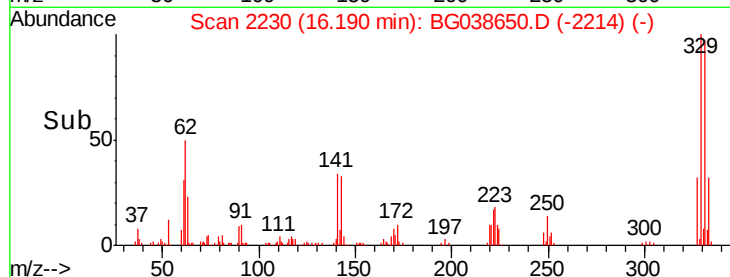
#67
4-Bromophenyl-phenylether
Concen: 3.279 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.44 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 5559
Ion Ratio Lower Upper
248 100
250 215.3 73.4 110.2#
141 403.1 52.9 79.3#

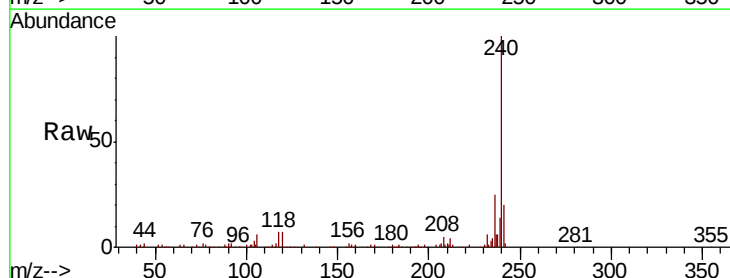


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

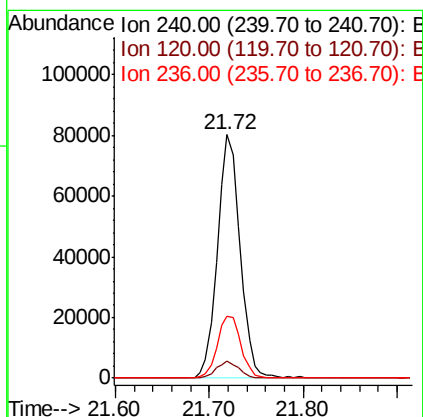
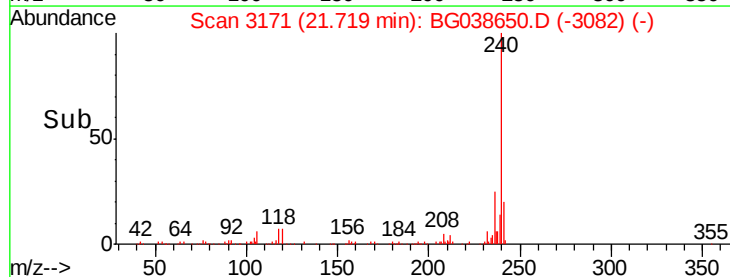


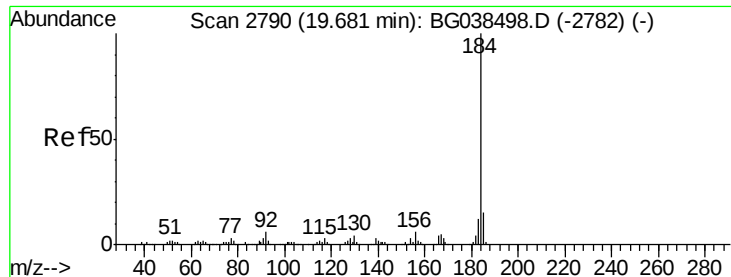
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038650.D
Acq: 16 Dec 2018 21:26

Tgt Ion:240 Resp: 135184
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 25.4 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: 2.549 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

Instrument :

BNA_G

ClientSampled :

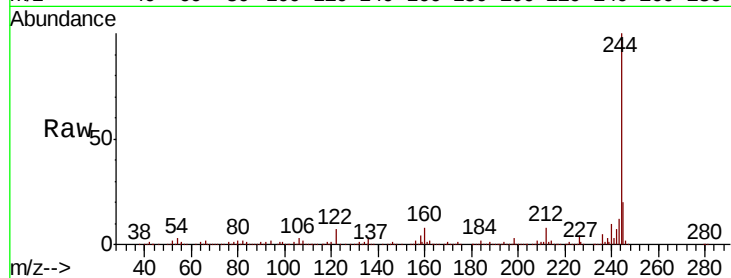
Tot Ion:184 Resp: 10192

Ion Ratio Lower Upper

184 100

185 14.7 12.2 18.2

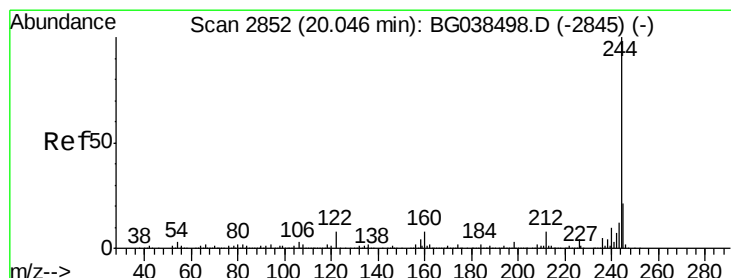
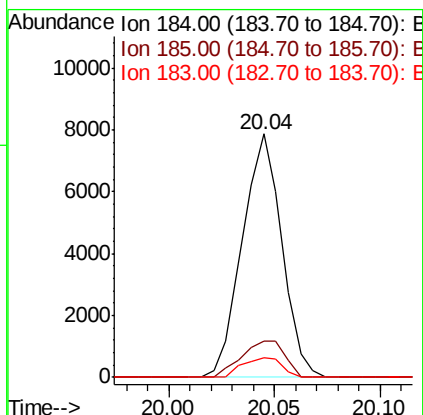
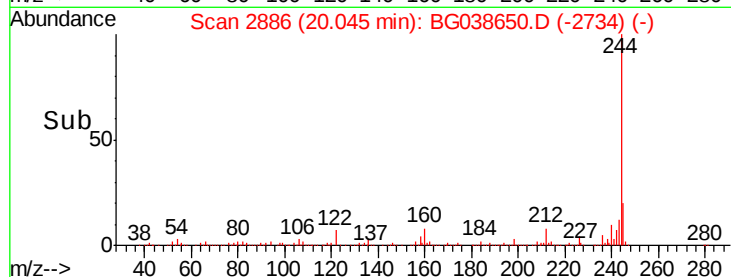
183 8.3 9.6 14.4#



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: 90.088 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038650.D

Acq: 16 Dec 2018 21:26

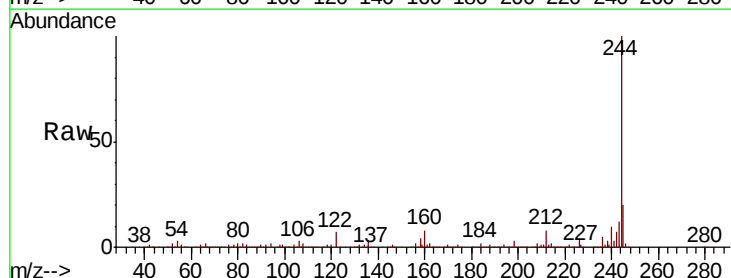
Tgt Ion:244 Resp: 559586

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

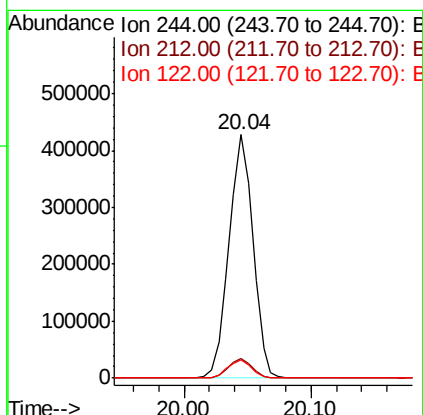
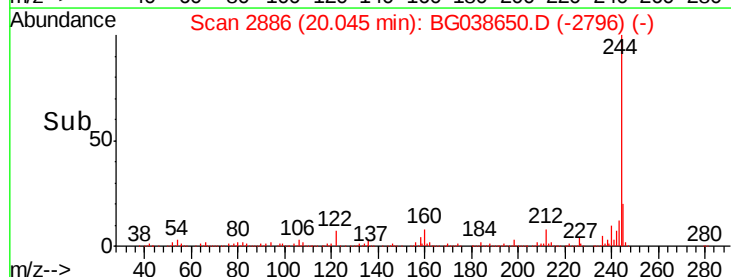
122 7.3 6.3 9.5

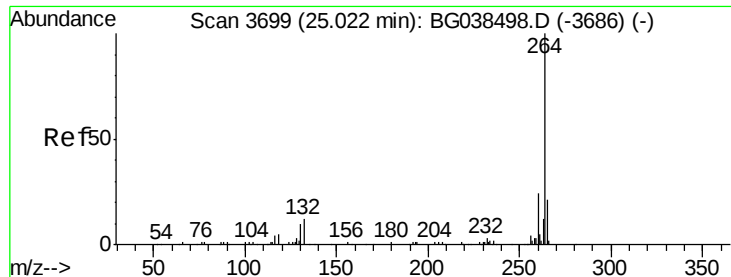


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

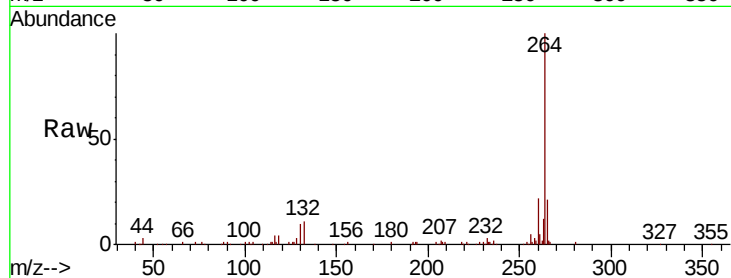




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.00 min
 Lab File: BG038650.D
 Acq: 16 Dec 2018 21:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.9	28.3
265	21.5	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

