

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121718\
 Data File : BG038690.D
 Acq On : 18 Dec 2018 9:30
 Operator : JU/SJ
 Sample : J6403-44
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 10:45:51 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

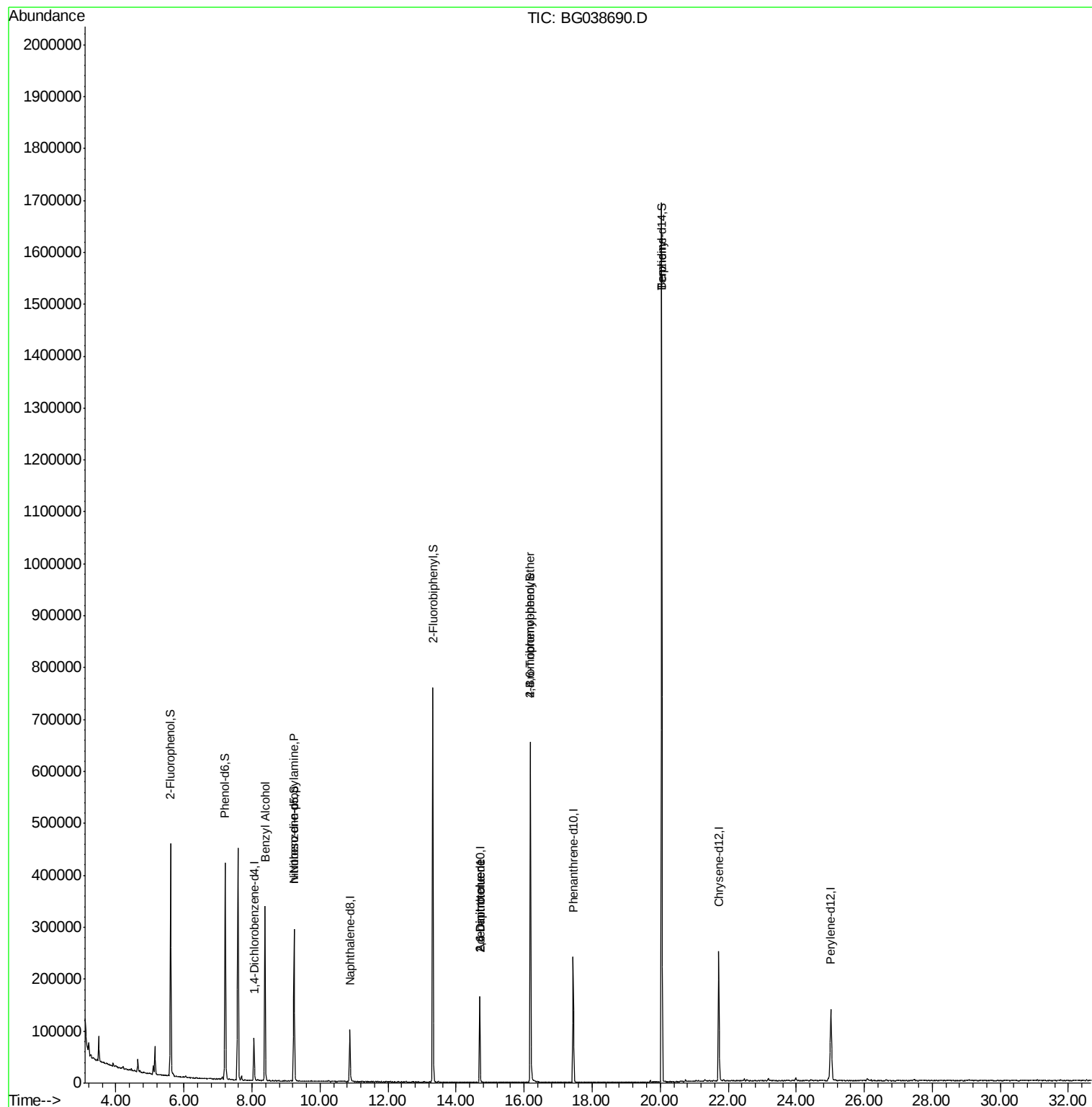
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22432	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	87728	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	59541	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	159705	20.00	ng	0.00
76) Chrysene-d12	21.72	240	163868	20.00	ng	0.00
87) Perylene-d12	25.02	264	174053	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	182572	144.36	ng	0.00
7) Phenol-d6	7.21	99	221637	127.65	ng	0.00
23) Nitrobenzene-d5	9.23	82	174201	101.44	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	127286	155.12	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	405362	93.40	ng	0.00
79) Terphenyl-d14	20.04	244	839709	111.52	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	2769	2.043	ng	# 47
19) n-Nitroso-di-n-propylamine	9.23	70	23458	19.237	ng	# 73
51) 2,6-Dinitrotoluene	14.69	165	7865	7.138	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7865	5.068	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	8246	4.228	ng	# 1
77) Benzidine	20.04	184	15204	3.137	ng	# 96

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

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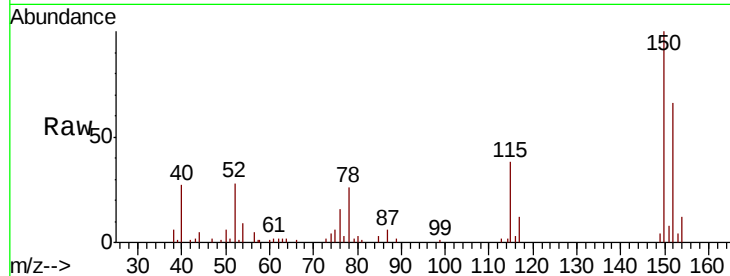


#1

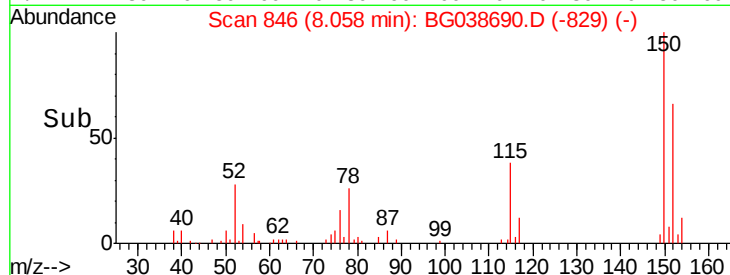
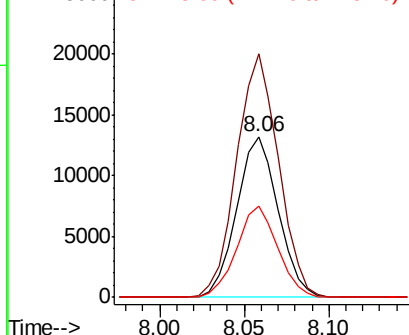
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038690.D
Acq: 18 Dec 2018 9:30

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22432
Ion Ratio Lower Upper
152 100
150 151.4 119.5 179.3
115 56.9 49.6 74.4



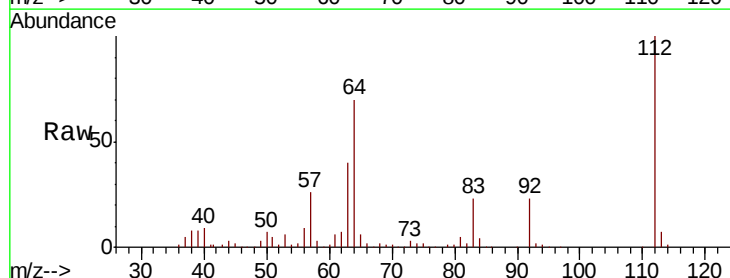
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



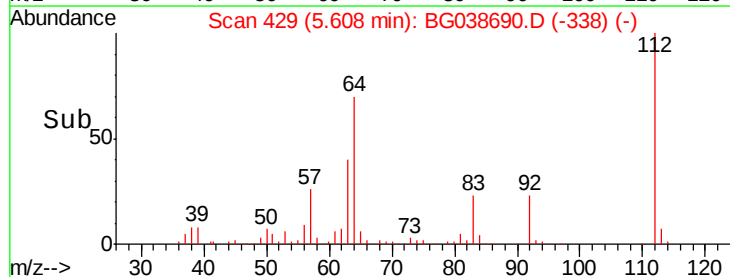
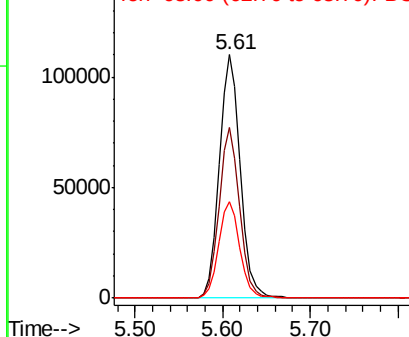
#5

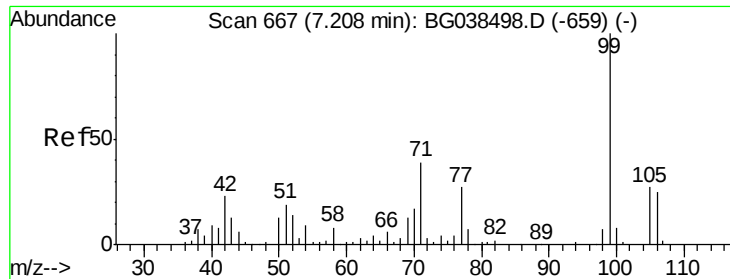
2-Fluorophenol
Concen: 144.356 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038690.D
Acq: 18 Dec 2018 9:30

Tgt Ion:112 Resp: 182572
Ion Ratio Lower Upper
112 100
64 70.0 53.4 80.2
63 39.5 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: 127.654 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038690.D

Acq: 18 Dec 2018 9:30

Instrument :

BNA_G

ClientSampleId :

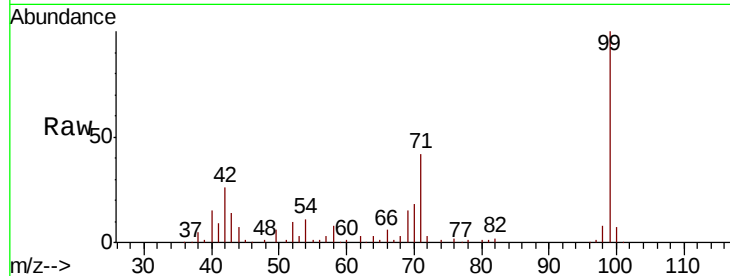
Tot Ion: 99 Resp: 221637

Ion Ratio Lower Upper

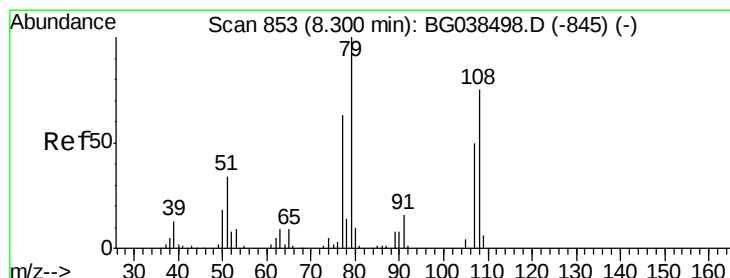
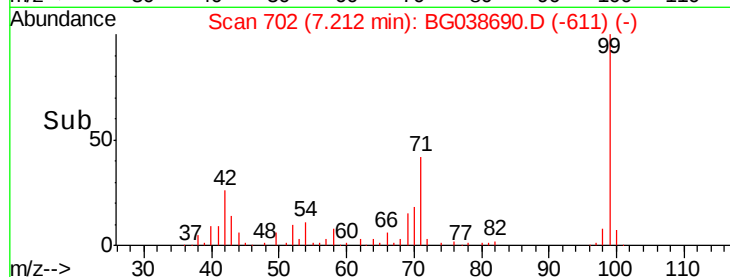
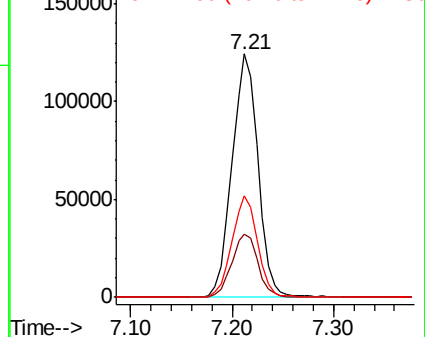
99 100

42 26.1 18.5 27.7

71 41.7 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



#15

Benzyl Alcohol

Concen: 2.043 ng

RT: 8.39 min Scan# 902

Delta R.T. 0.09 min

Lab File: BG038690.D

Acq: 18 Dec 2018 9:30

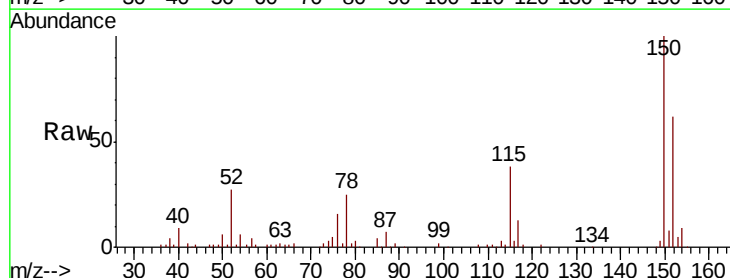
Tgt Ion: 79 Resp: 2769

Ion Ratio Lower Upper

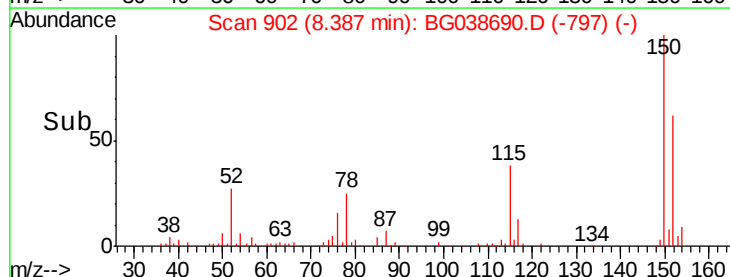
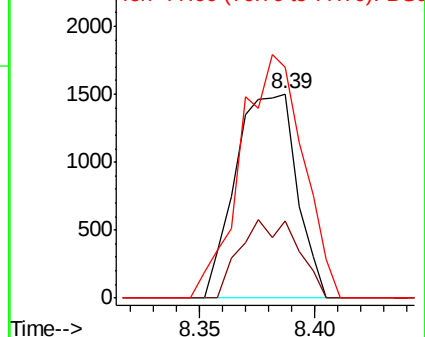
79 100

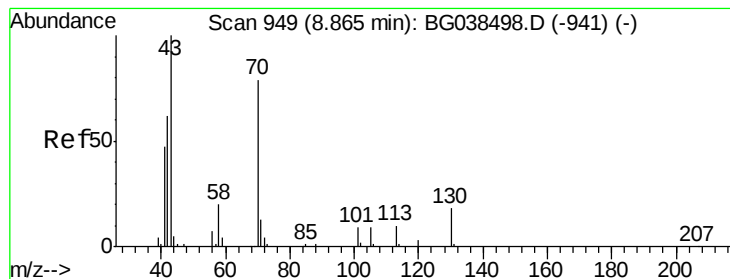
108 37.7 60.2 90.4#

77 113.1 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: 19.237 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038690.D

Acq: 18 Dec 2018 9:30

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 23458

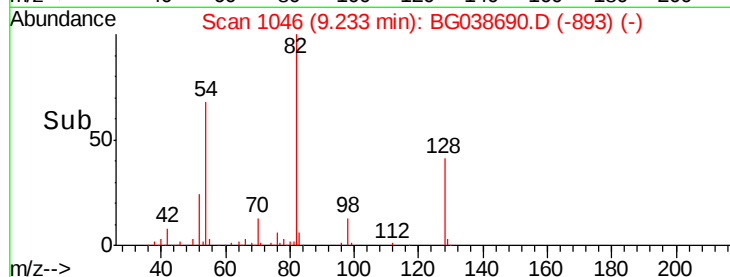
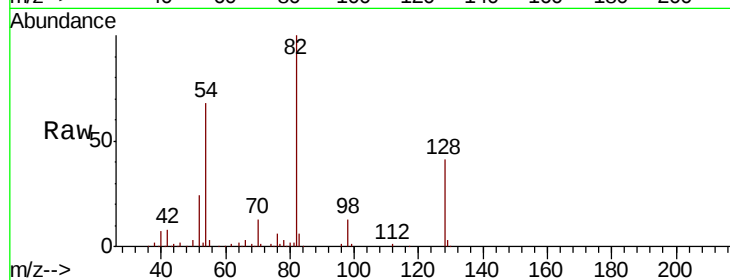
Ion Ratio Lower Upper

70 100

42 59.8 63.6 95.4#

101 0.0 9.2 13.8#

130 2.9 18.5 27.7#

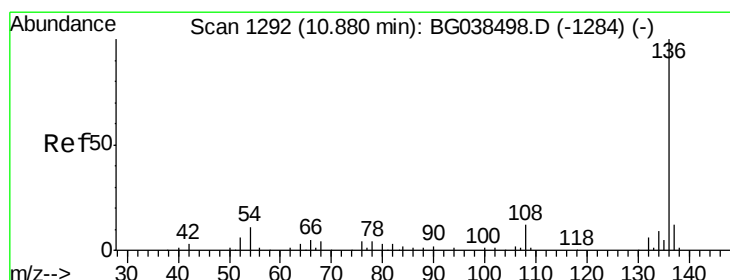
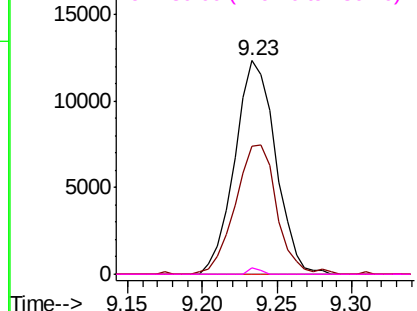


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG038690.D

Acq: 18 Dec 2018 9:30

Tgt Ion: 136 Resp: 87728

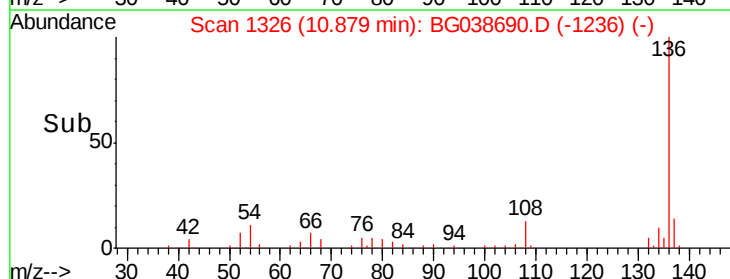
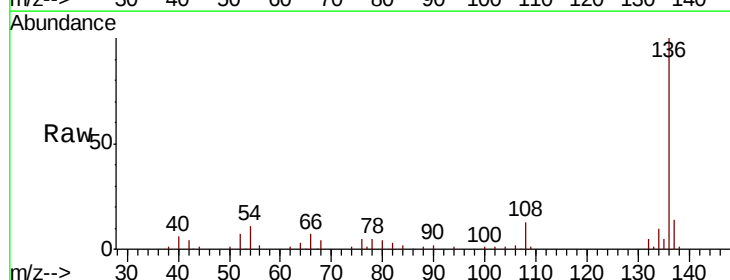
Ion Ratio Lower Upper

136 100

137 14.2 9.3 13.9#

54 10.8 8.5 12.7

68 4.4 3.5 5.3

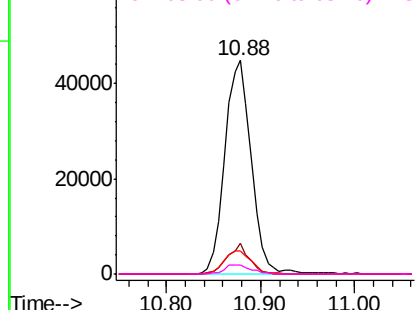


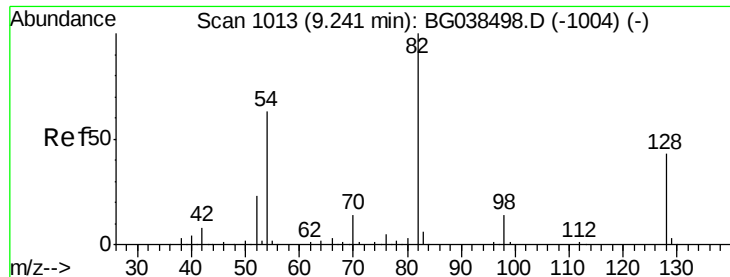
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

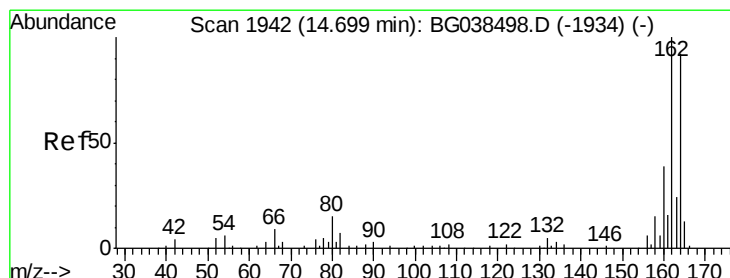
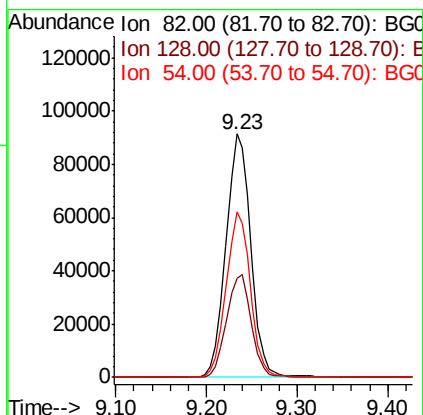
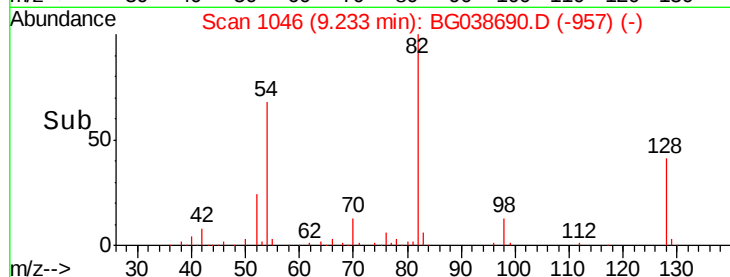
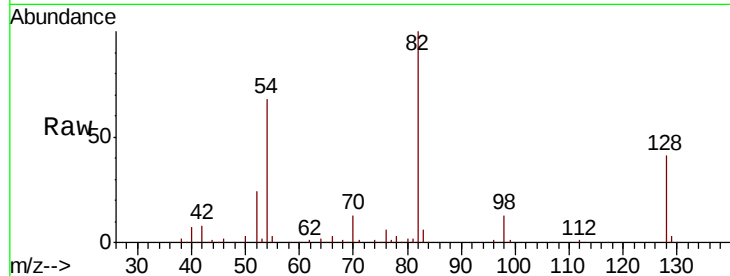




#23
Nitrobenzene-d5
Concen: 101.443 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038690.D
Acq: 18 Dec 2018 9:30

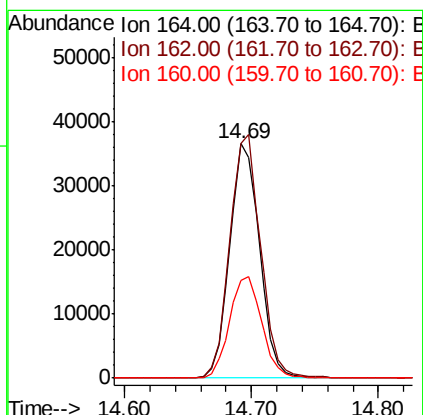
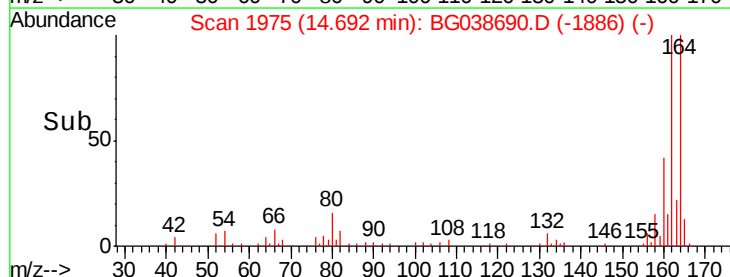
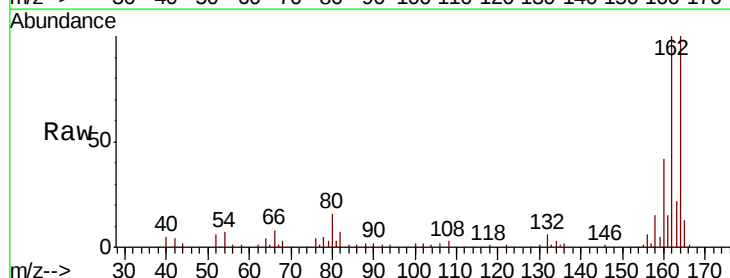
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 174201
Ion Ratio Lower Upper
82 100
128 40.9 34.6 52.0
54 67.9 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038690.D
Acq: 18 Dec 2018 9:30

Tgt Ion:164 Resp: 59541
Ion Ratio Lower Upper
164 100
162 100.0 86.6 130.0
160 41.6 34.2 51.2

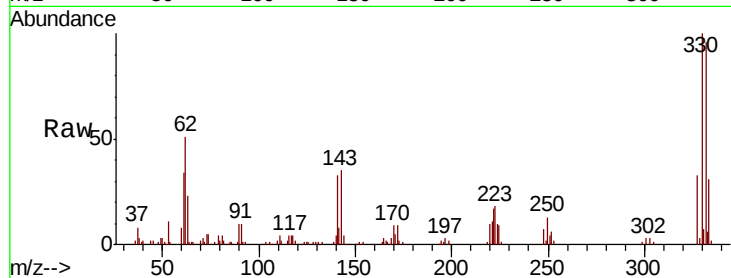




#42
 2,4,6-Tribromophenol
 Concen: 155.117 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	37.5	28.8	43.2

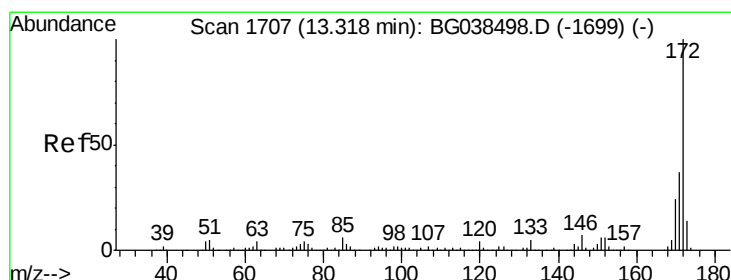
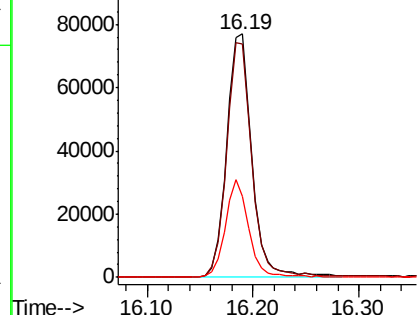
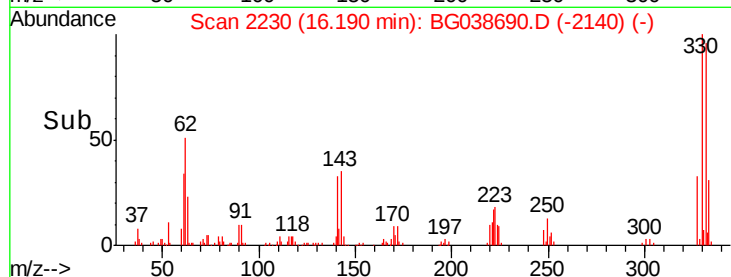


Abundance

Ion 329.80 (329.50 to 330.50): E

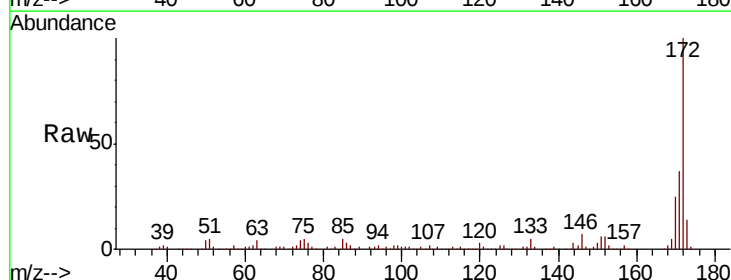
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.397 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	24.5	19.5	29.3

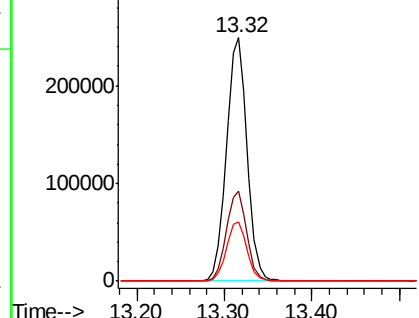
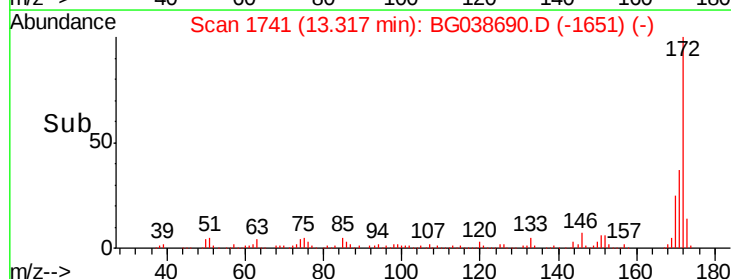


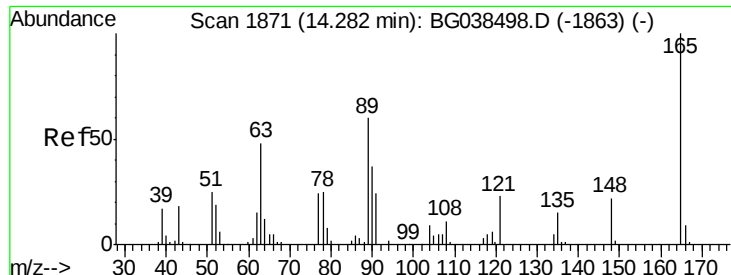
Abundance

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

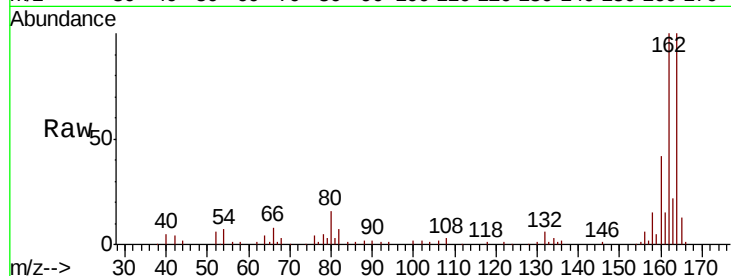




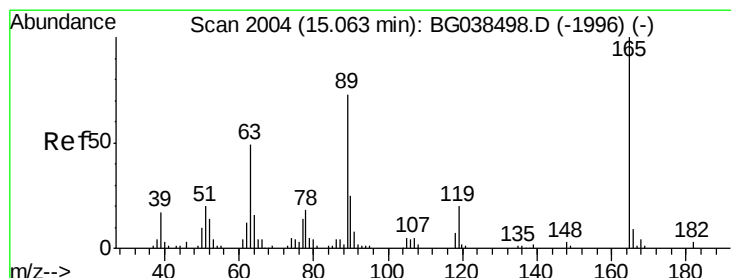
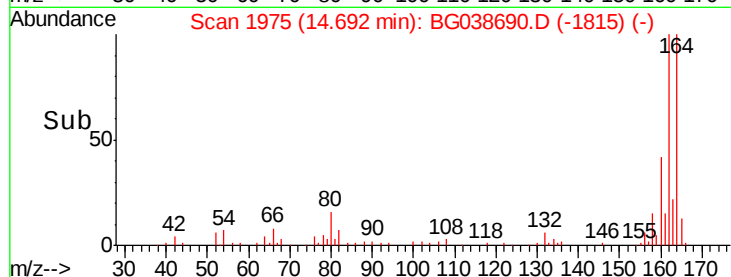
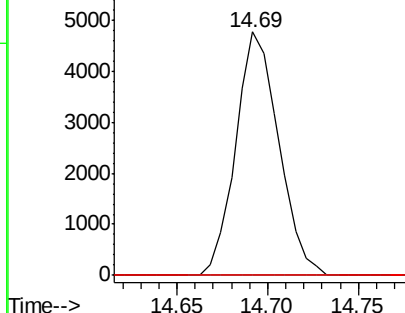
#51
 2,6-Dinitrotoluene
 Concen: 7.138 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Instrument :
 BNA_G
 ClientSampleId :

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



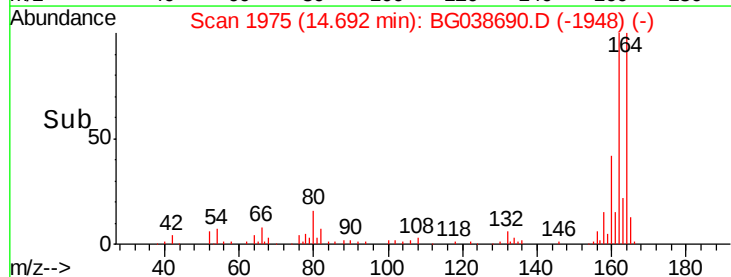
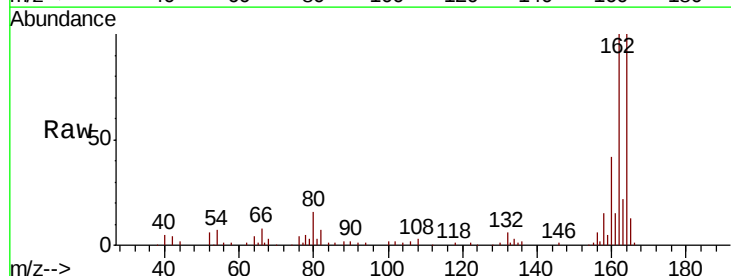
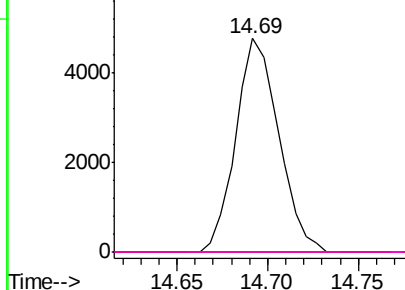
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

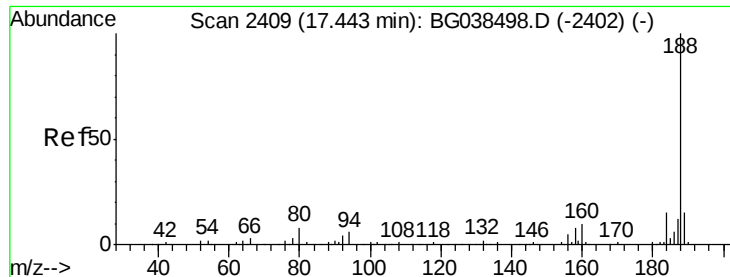


#57
 2,4-Dinitrotoluene
 Concen: 5.068 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

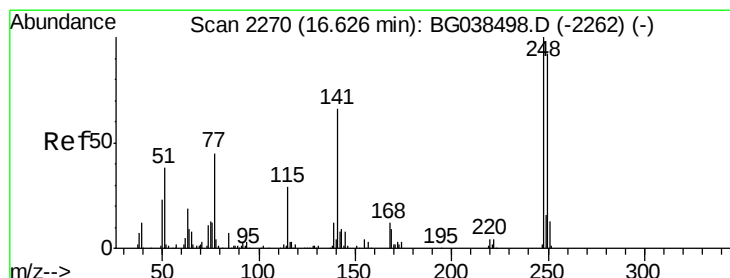
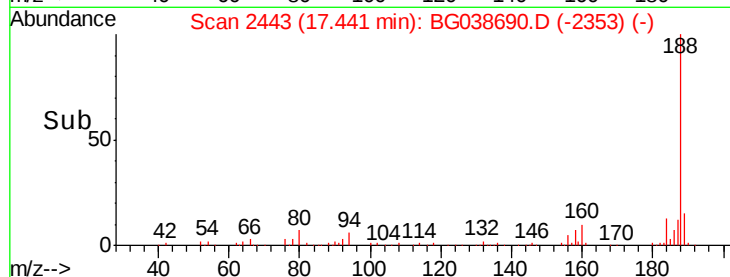
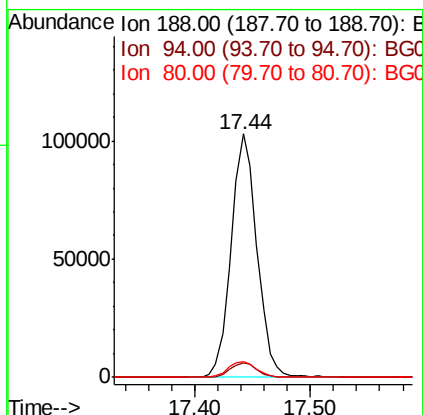
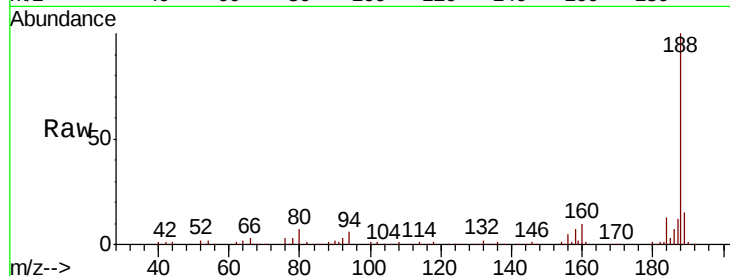




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

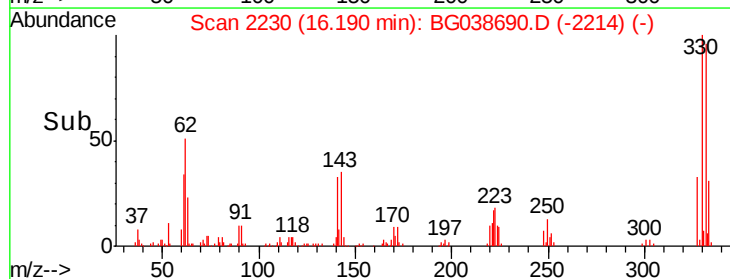
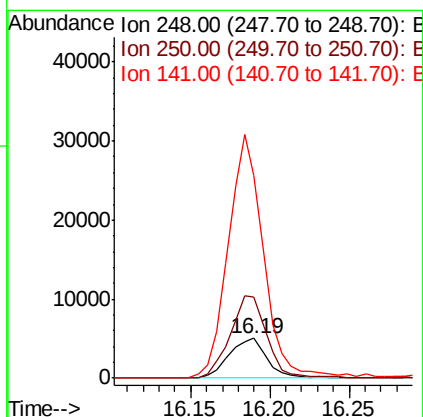
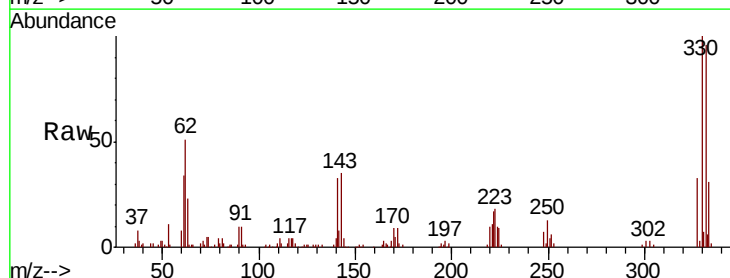
Instrument :
 BNA_G
 ClientSampled :

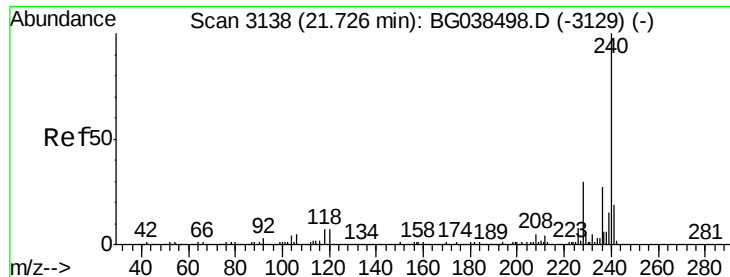
Tot Ion:188 Resp: 159705
 Ion Ratio Lower Upper
 188 100
 94 5.9 5.1 7.7
 80 6.7 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.228 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.44 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Tgt Ion:248 Resp: 8246
 Ion Ratio Lower Upper
 248 100
 250 193.0 73.4 110.2#
 141 380.1 52.9 79.3#

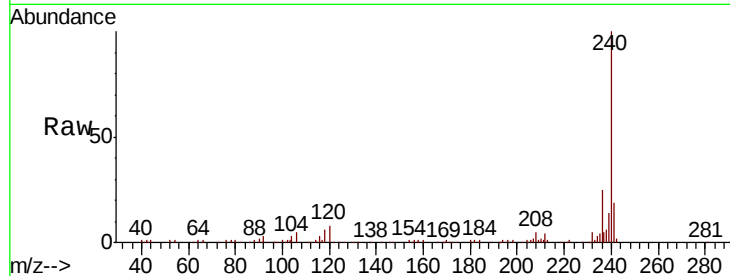




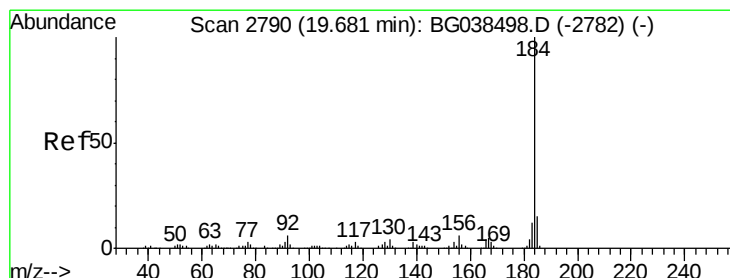
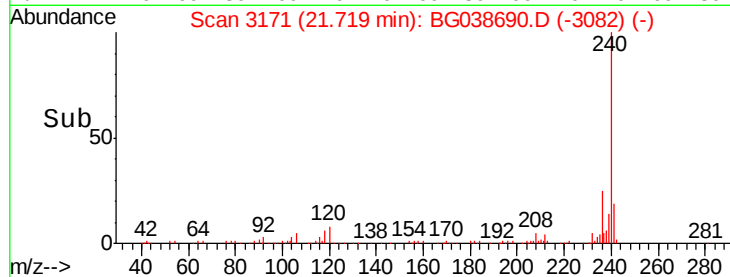
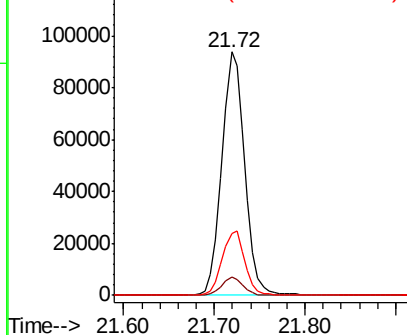
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:240 Resp: 163868
 Ion Ratio Lower Upper
 240 100
 120 7.5 5.3 7.9
 236 25.3 21.4 32.2

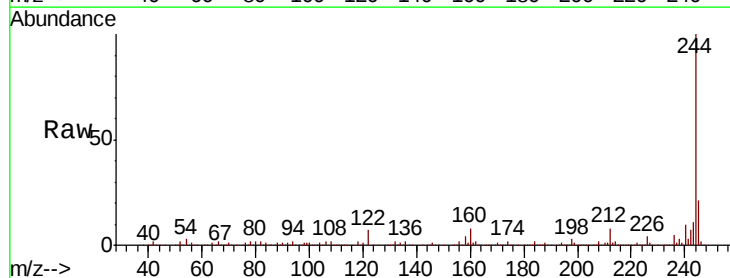


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

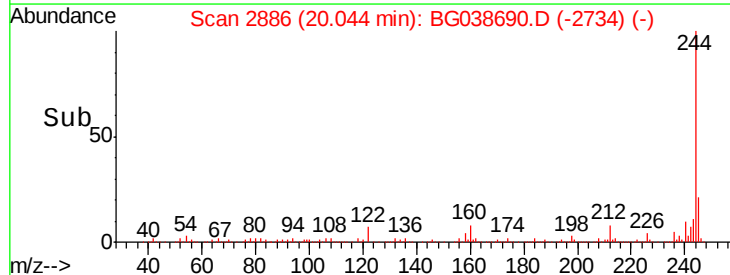
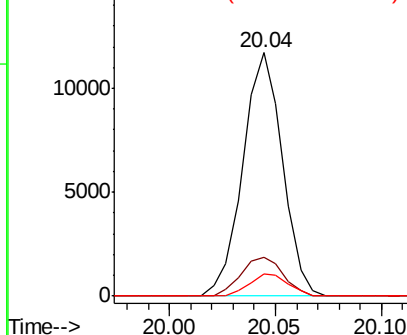


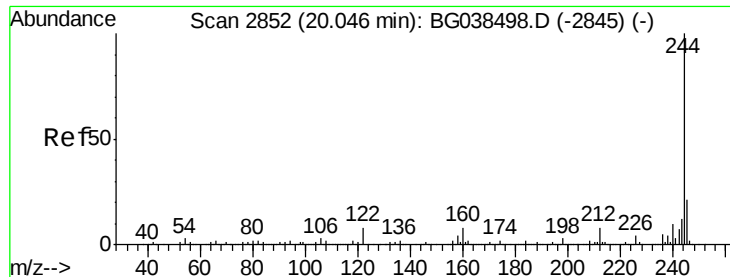
#77
 Benzidine
 Concen: 3.137 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. 0.36 min
 Lab File: BG038690.D
 Acq: 18 Dec 2018 9:30

Tgt Ion:184 Resp: 15204
 Ion Ratio Lower Upper
 184 100
 185 15.8 12.2 18.2
 183 9.0 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: 111.522 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038690.D

Acq: 18 Dec 2018 9:30

Instrument :

BNA_G

ClientSampleId :

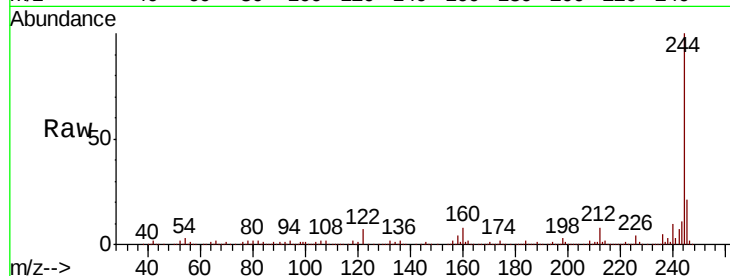
Tot Ion:244 Resp: 839709

Ion Ratio Lower Upper

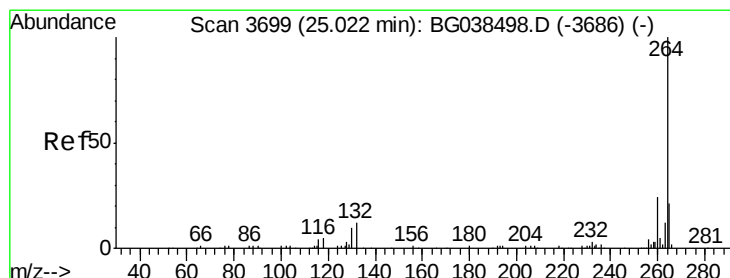
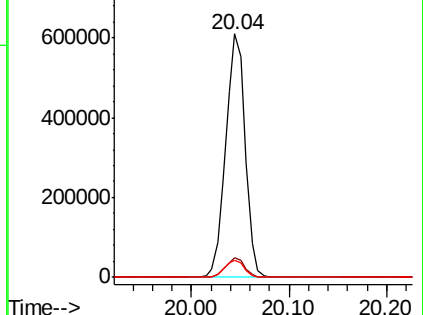
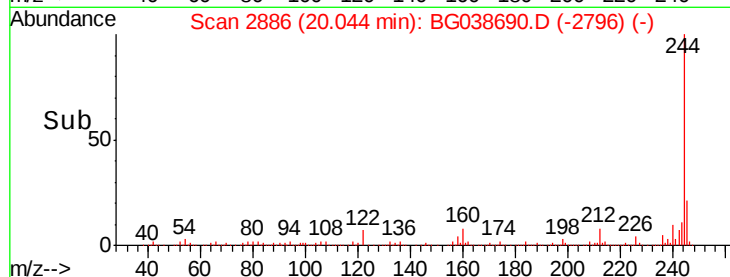
244 100

212 7.9 6.2 9.2

122 7.2 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: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038690.D

Acq: 18 Dec 2018 9:30

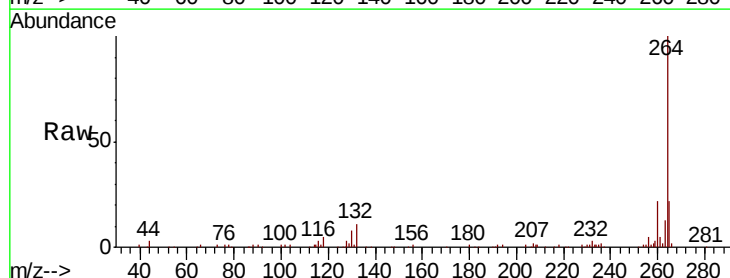
Tgt Ion:264 Resp: 174053

Ion Ratio Lower Upper

264 100

260 22.3 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

