

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121718\
 Data File : BG038689.D
 Acq On : 18 Dec 2018 8:51
 Operator : JU/SJ
 Sample : J6403-40
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 10:45:39 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

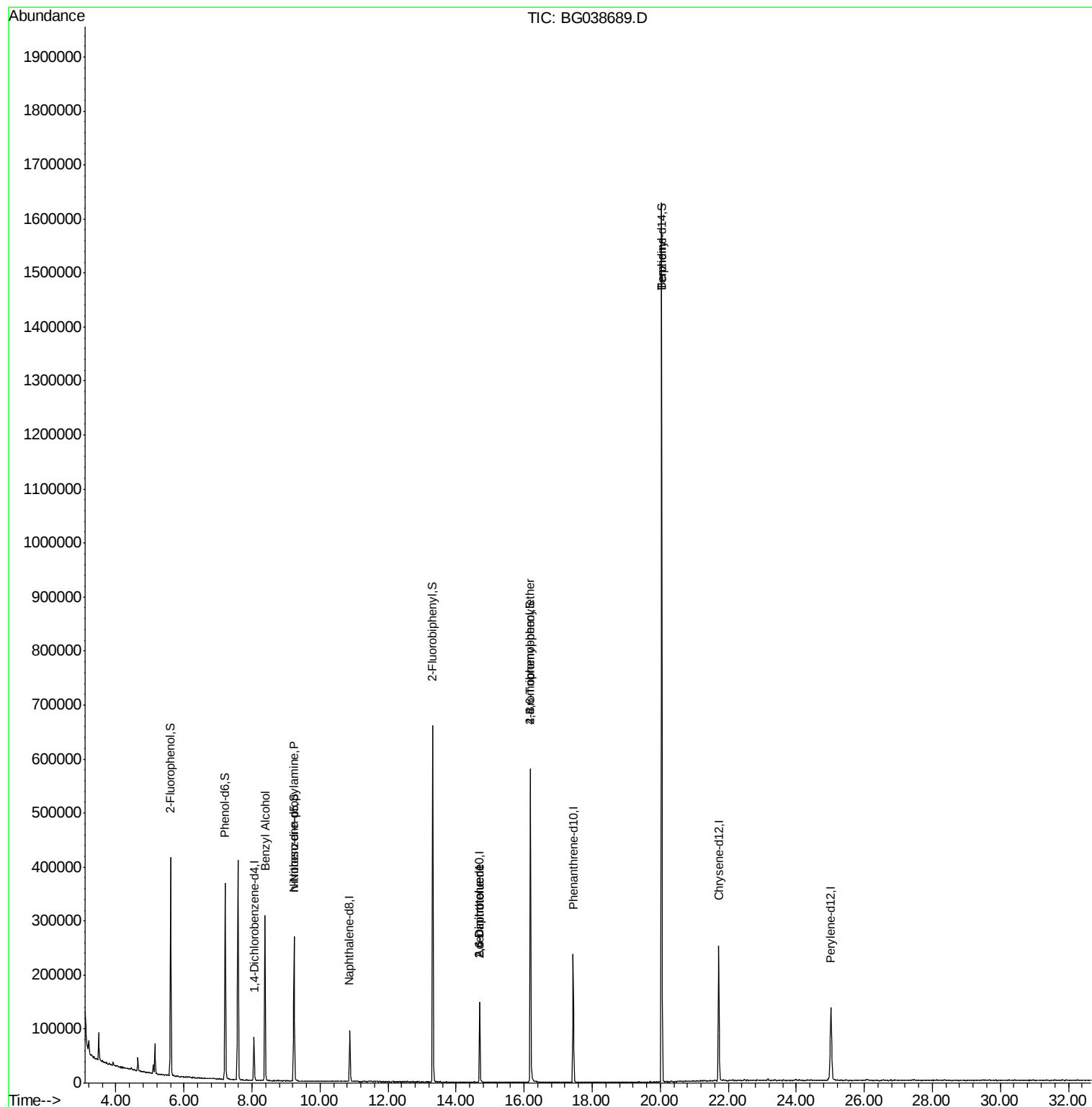
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21491	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	83348	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	55452	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	151776	20.00	ng	0.00
76) Chrysene-d12	21.72	240	162740	20.00	ng	0.00
87) Perylene-d12	25.02	264	170985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	162152	133.82	ng	0.00
7) Phenol-d6	7.21	99	195785	117.70	ng	0.00
23) Nitrobenzene-d5	9.23	82	153849	94.30	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	115249	150.80	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	357833	88.53	ng	0.00
79) Terphenyl-d14	20.04	244	790765	105.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2707	2.085	ng	# 48
19) n-Nitroso-di-n-propylamine	9.23	70	21294	18.227	ng	# 71
51) 2,6-Dinitrotoluene	14.70	165	6530	6.363	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	6530	4.518	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7587	4.093	ng	# 1
77) Benzidine	20.04	184	14597	3.033	ng	# 93

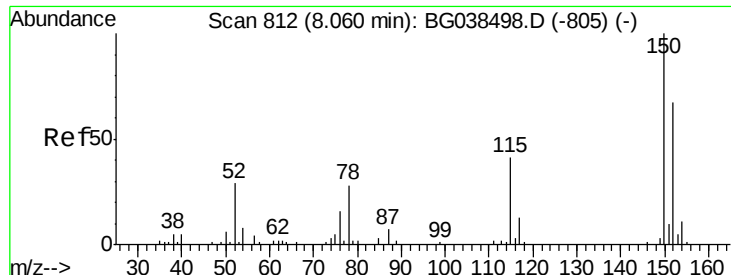
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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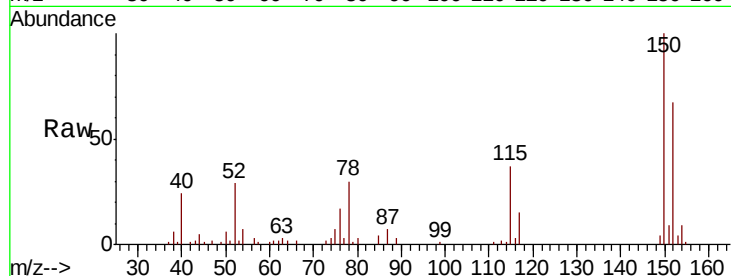




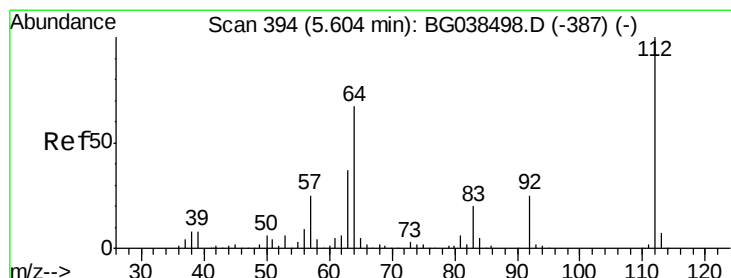
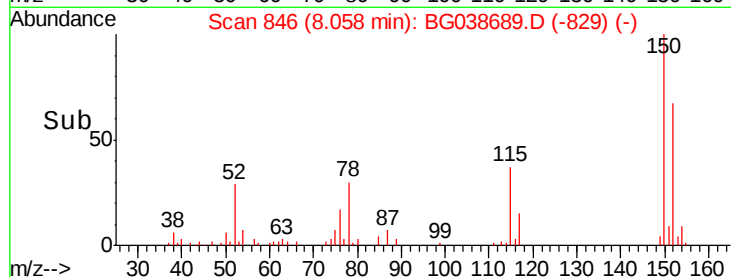
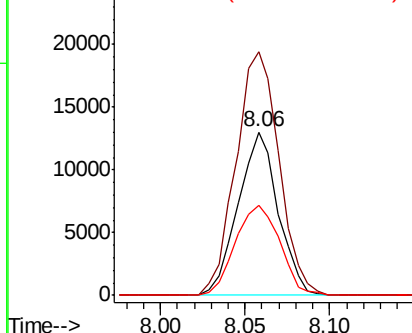
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 21491
 Ion Ratio Lower Upper
 152 100
 150 149.0 119.5 179.3
 115 55.4 49.6 74.4

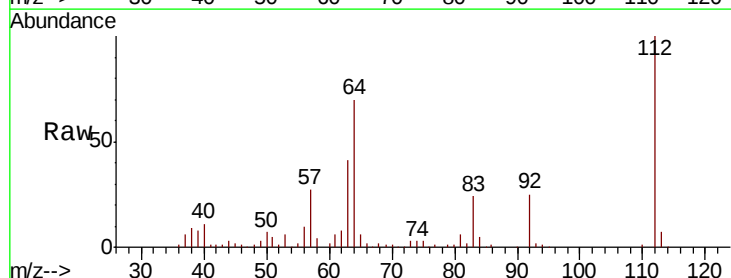


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

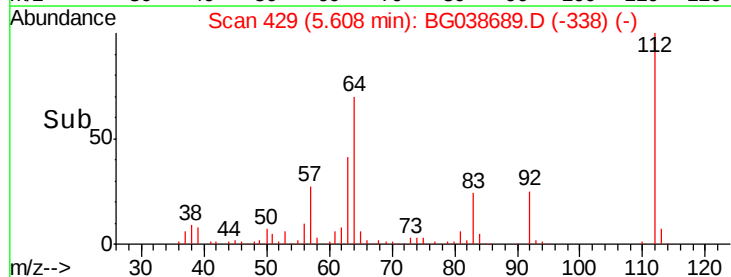
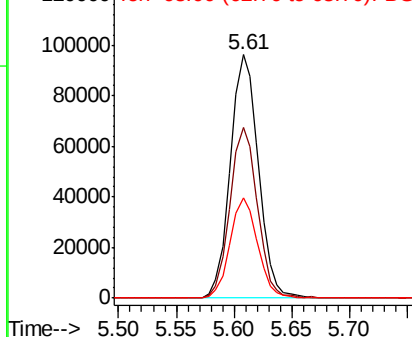


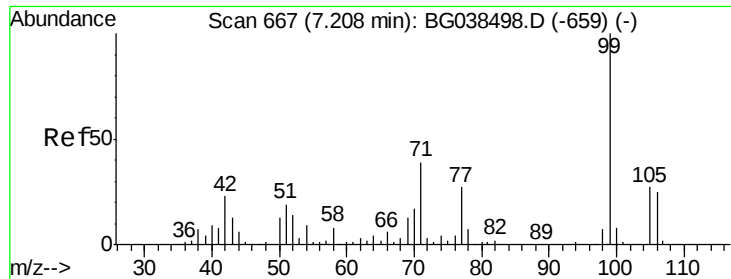
#5
 2-Fluorophenol
 Concen: 133.824 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Tgt Ion:112 Resp: 162152
 Ion Ratio Lower Upper
 112 100
 64 69.9 53.4 80.2
 63 41.3 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: 117.701 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038689.D

Acq: 18 Dec 2018 8:51

Instrument :

BNA_G

ClientSampled :

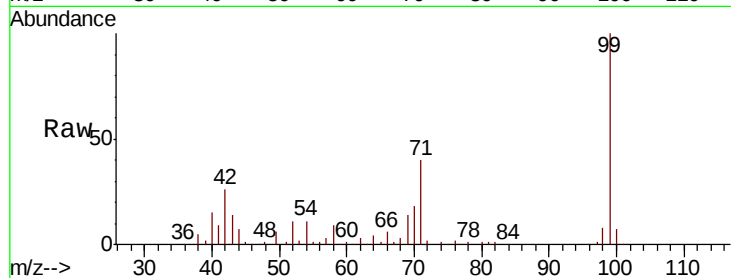
Tot Ion: 99 Resp: 195785

Ion Ratio Lower Upper

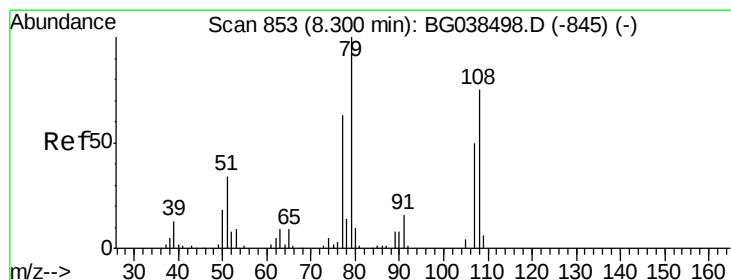
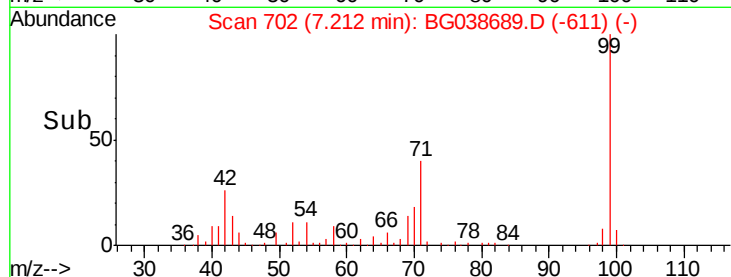
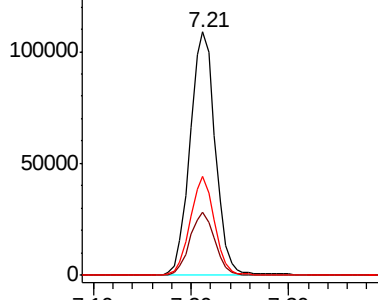
99 100

42 26.1 18.5 27.7

71 40.5 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: 2.085 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038689.D

Acq: 18 Dec 2018 8:51

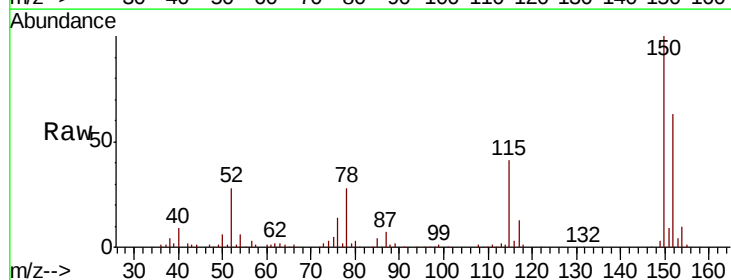
Tgt Ion: 79 Resp: 2707

Ion Ratio Lower Upper

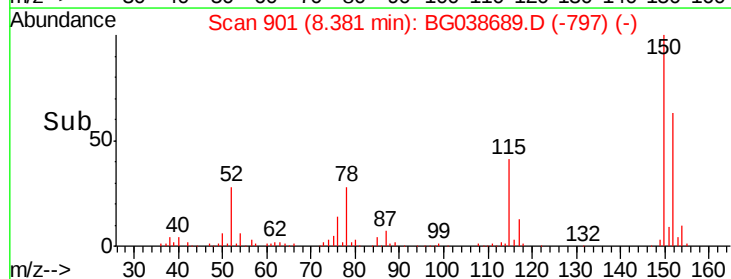
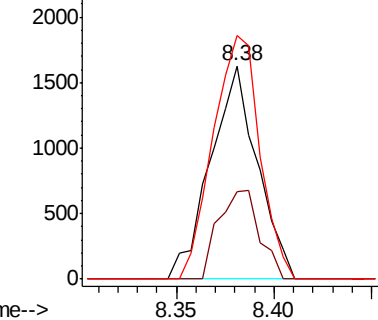
79 100

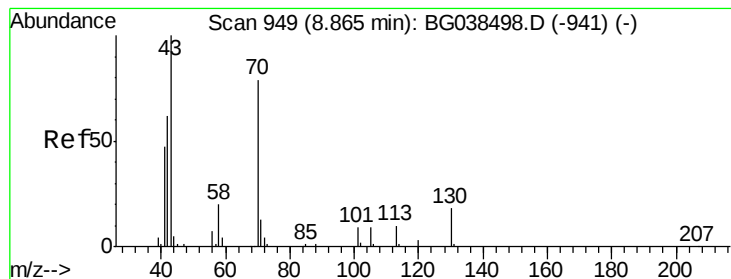
108 41.1 60.2 90.4#

77 114.1 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: 18.227 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038689.D

Acq: 18 Dec 2018 8:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21294

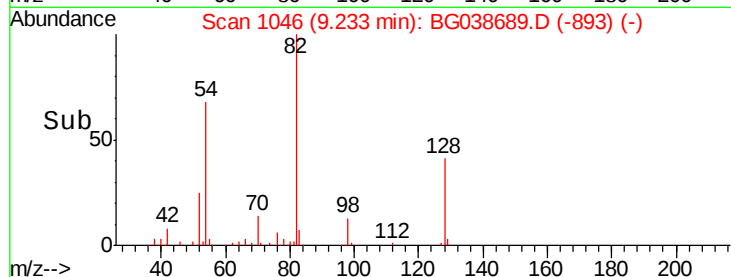
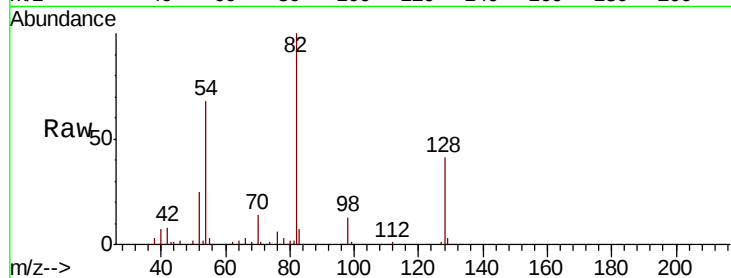
Ion Ratio Lower Upper

70 100

42 57.7 63.6 95.4#

101 0.0 9.2 13.8#

130 2.4 18.5 27.7#

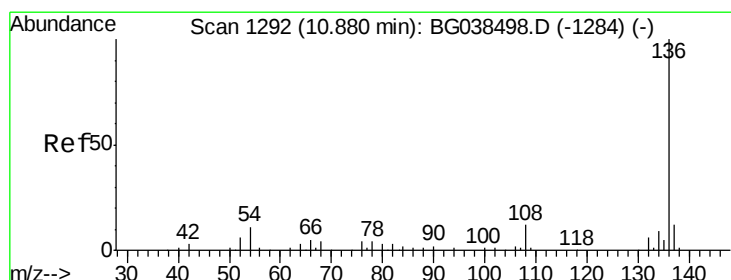
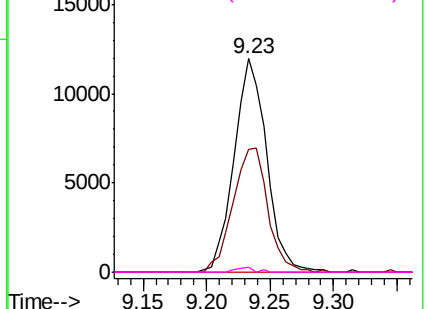


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG038689.D

Acq: 18 Dec 2018 8:51

Tgt Ion: 136 Resp: 83348

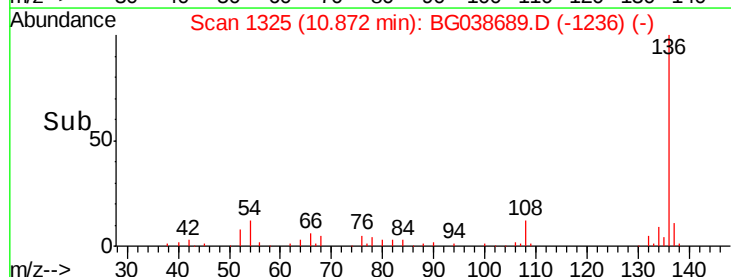
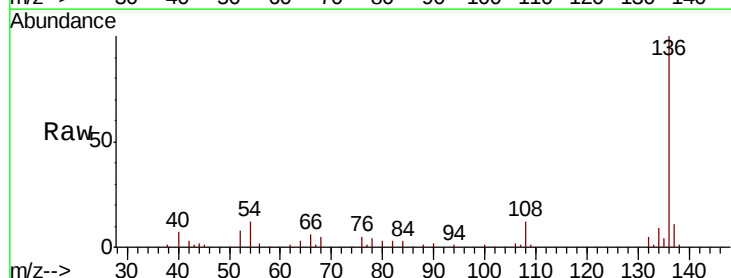
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 11.7 8.5 12.7

68 4.6 3.5 5.3

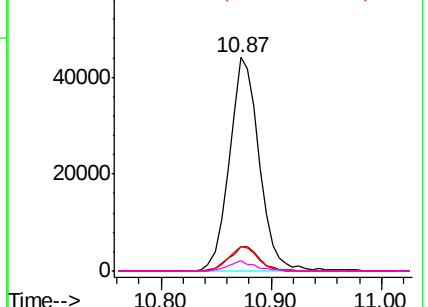


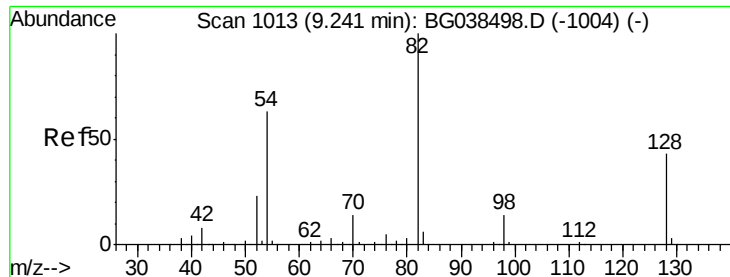
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

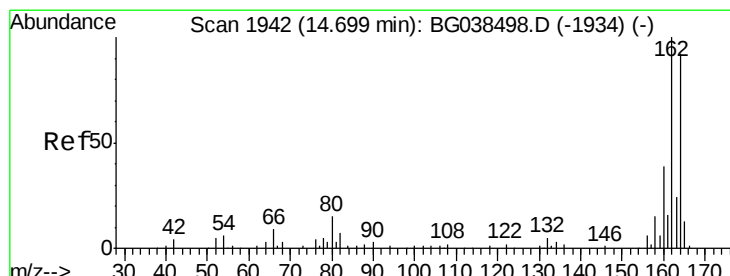
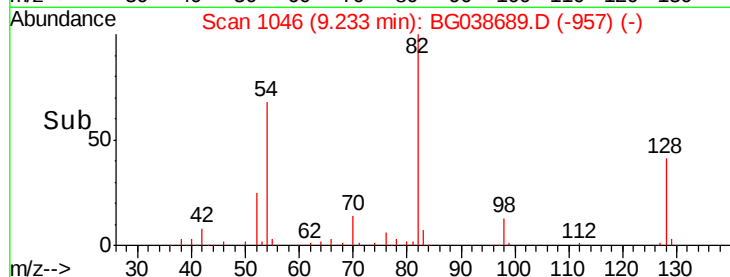
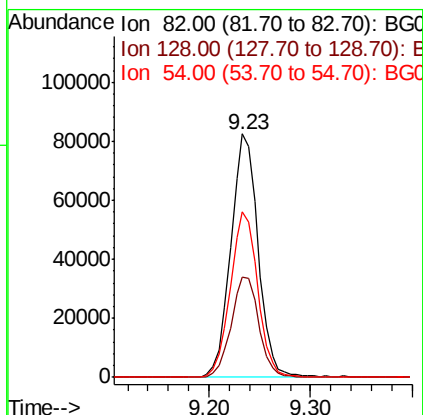
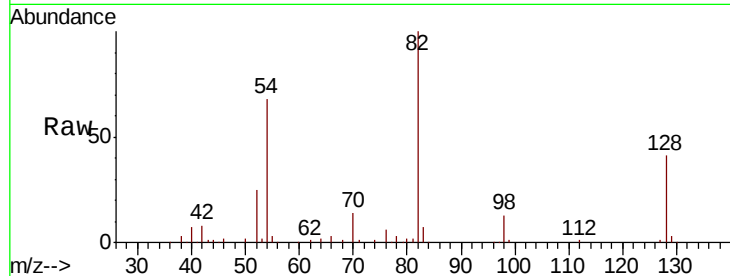




#23
 Nitrobenzene-d5
 Concen: 94.300 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

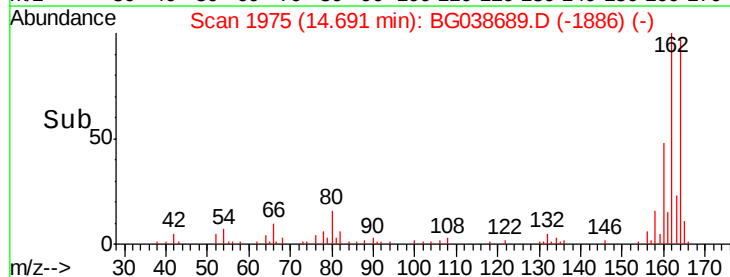
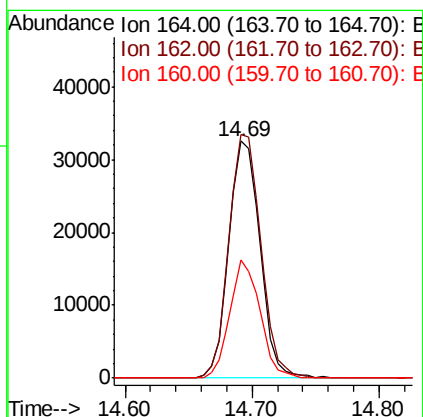
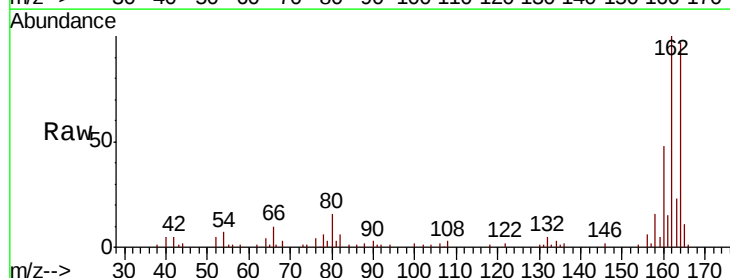
Instrument :
 BNA_G
 ClientSampleId :

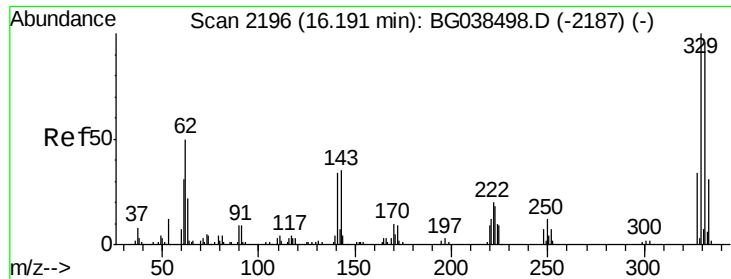
Tot Ion: 82 Resp: 153849
 Ion Ratio Lower Upper
 82 100
 128 41.4 34.6 52.0
 54 67.9 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Tgt Ion:164 Resp: 55452
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.6 130.0
 160 49.6 34.2 51.2

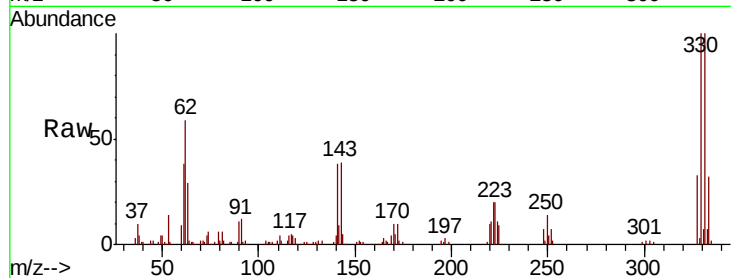




#42
 2,4,6-Tribromophenol
 Concen: 150.804 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.9	115.3
141	36.4	28.8	43.2

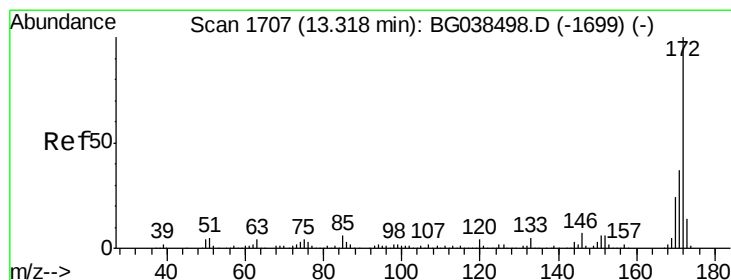
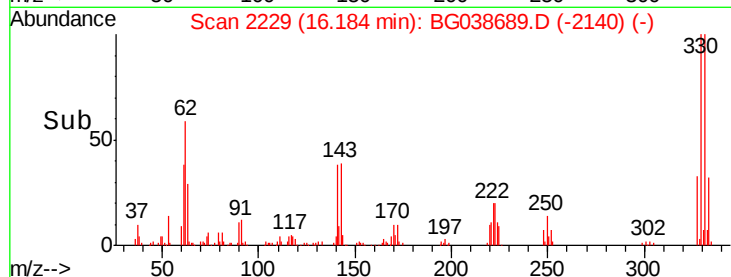
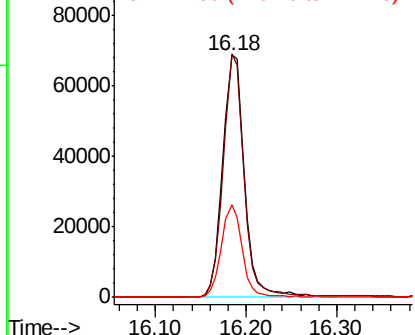


Abundance

Ion 329.80 (329.50 to 330.50): E

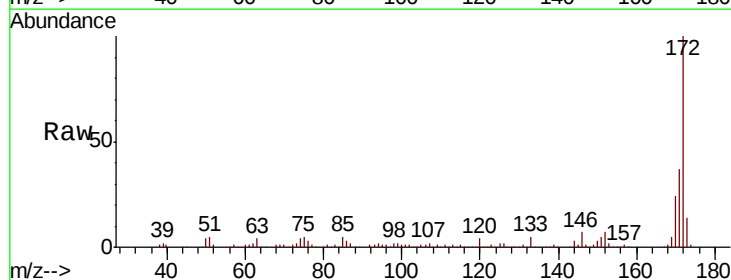
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.526 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	24.0	19.5	29.3

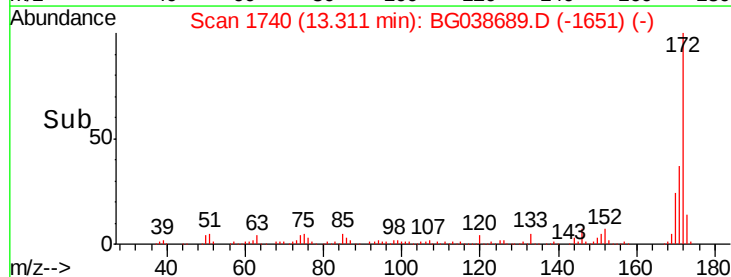
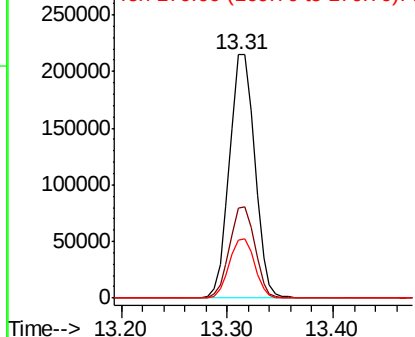


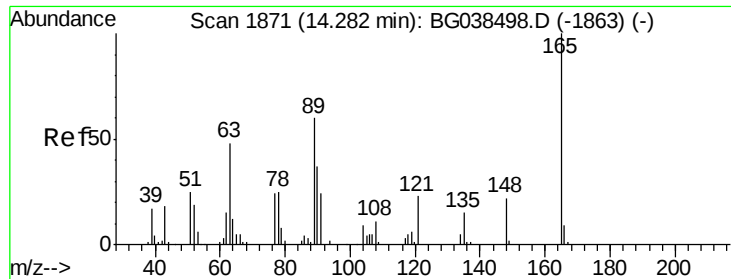
Abundance

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

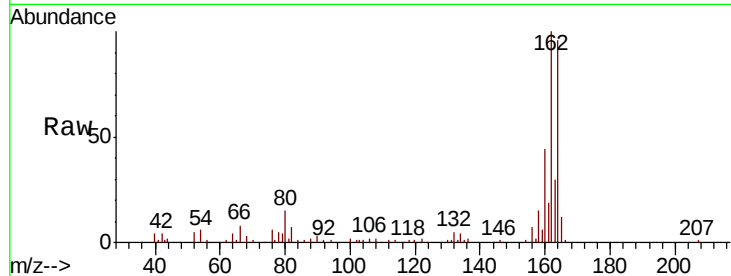




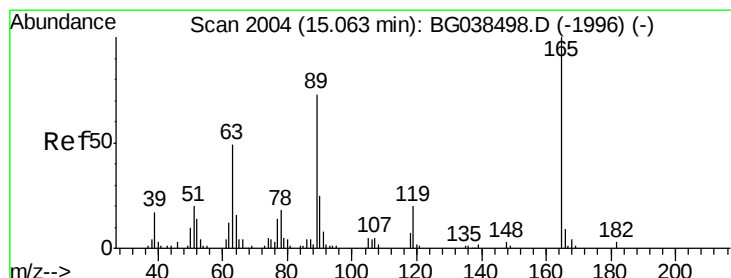
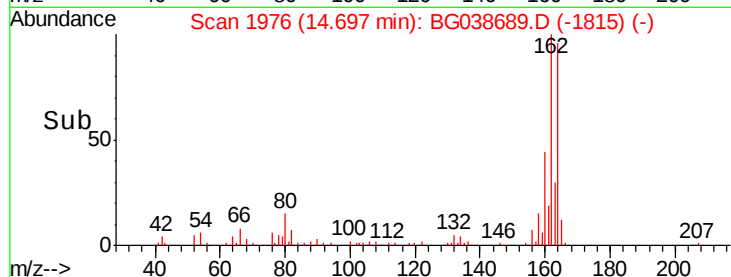
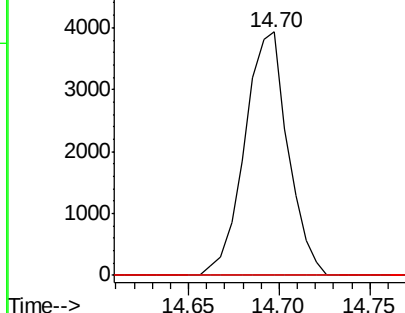
#51
 2,6-Dinitrotoluene
 Concen: 6.363 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 6530
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

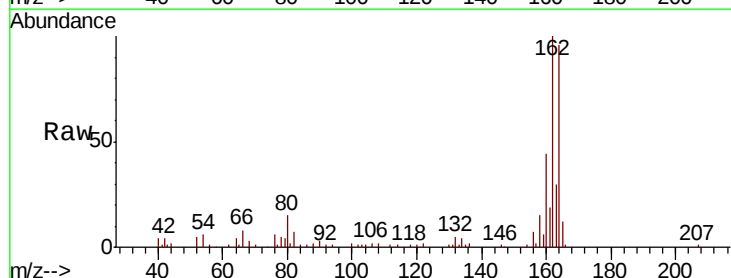


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

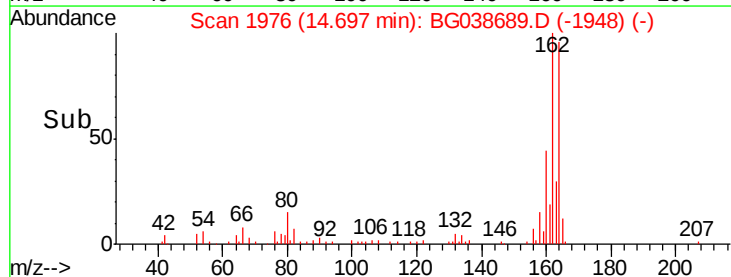
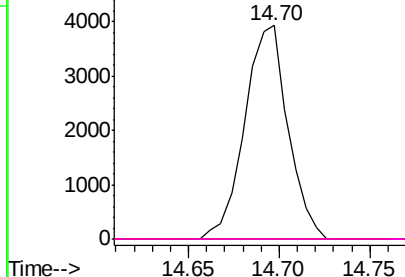


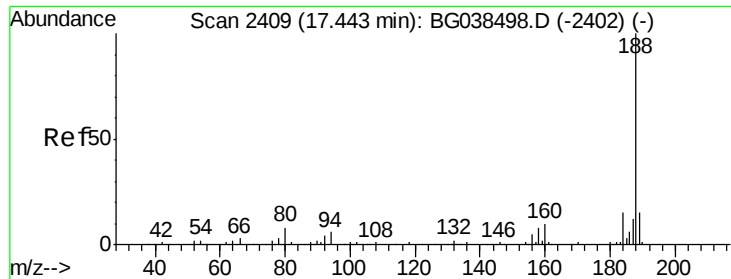
#57
 2,4-Dinitrotoluene
 Concen: 4.518 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038689.D
 Acq: 18 Dec 2018 8:51

Tgt Ion:165 Resp: 6530
 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

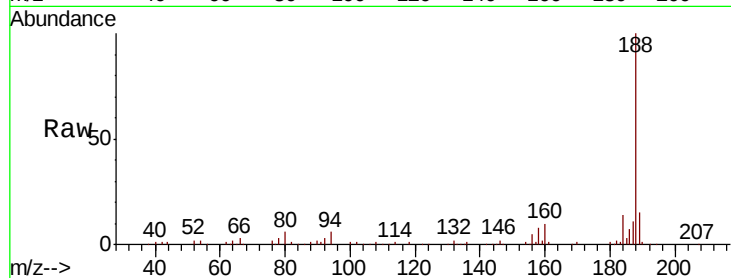




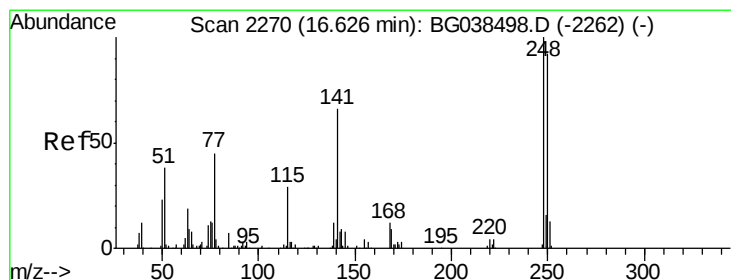
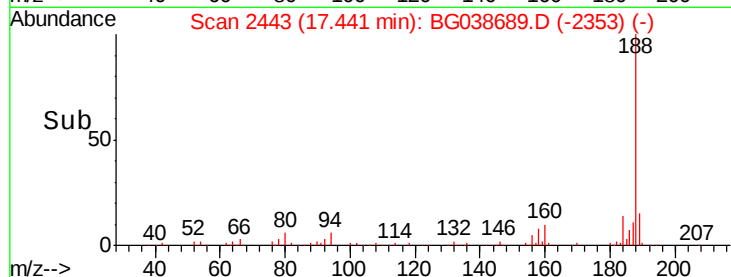
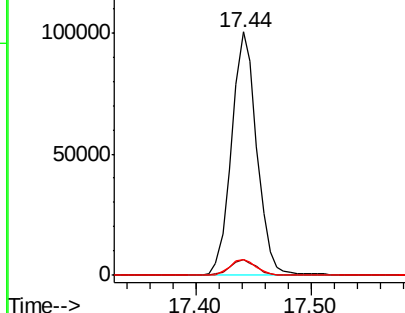
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038689.D
Acq: 18 Dec 2018 8:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 151776
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 6.5 6.1 9.1

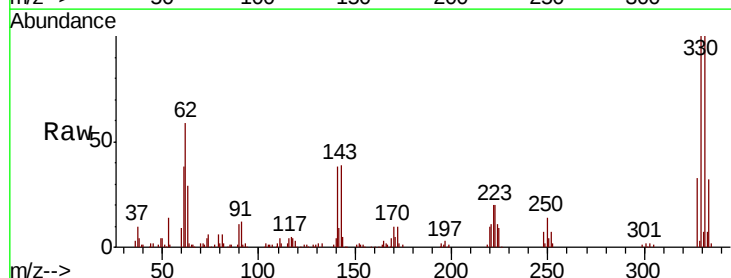


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

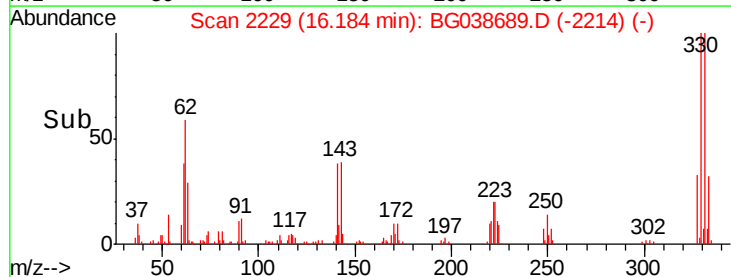
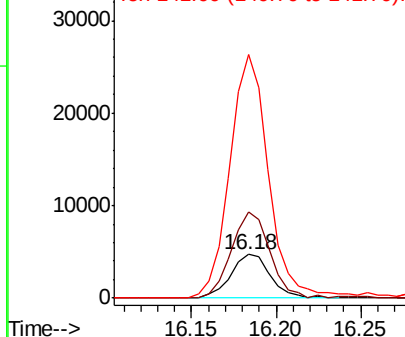


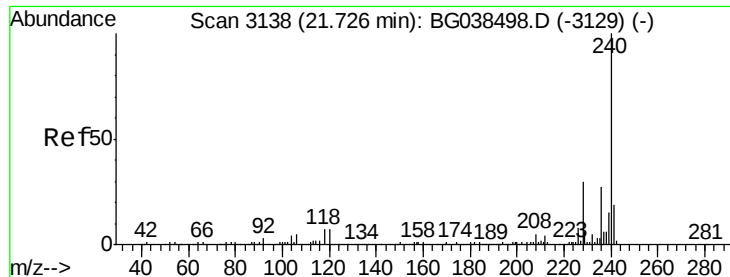
#67
4-Bromophenyl-phenylether
Concen: 4.093 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038689.D
Acq: 18 Dec 2018 8:51

Tgt Ion:248 Resp: 7587
Ion Ratio Lower Upper
248 100
250 199.8 73.4 110.2#
141 430.6 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

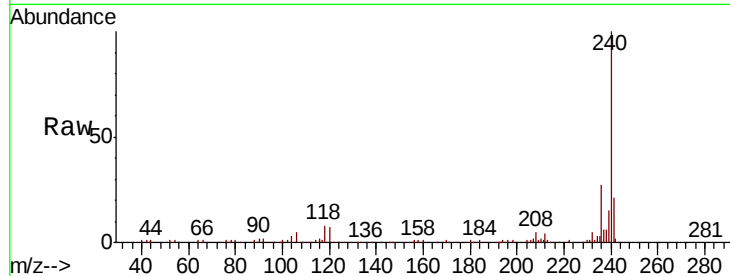




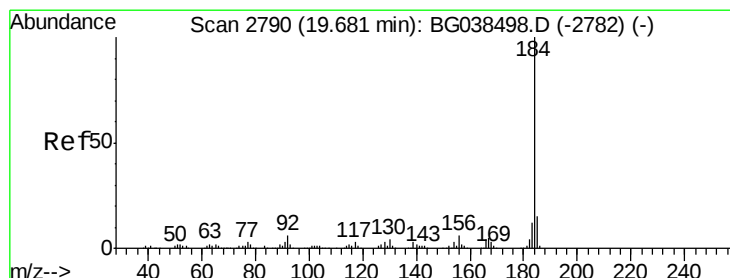
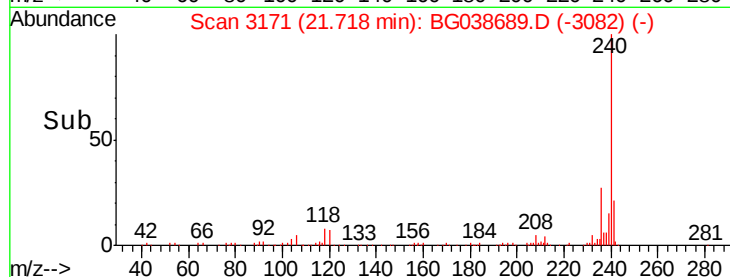
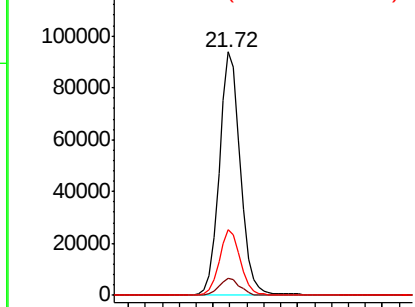
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038689.D
Acq: 18 Dec 2018 8:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 162740
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 27.2 21.4 32.2

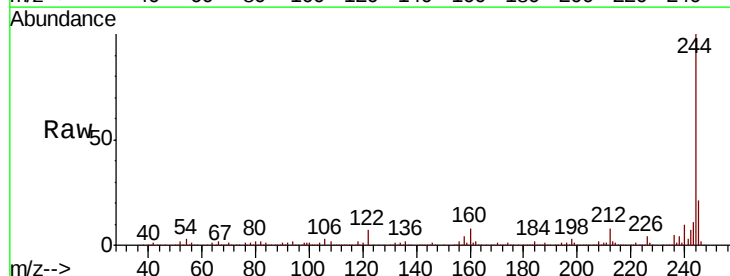


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

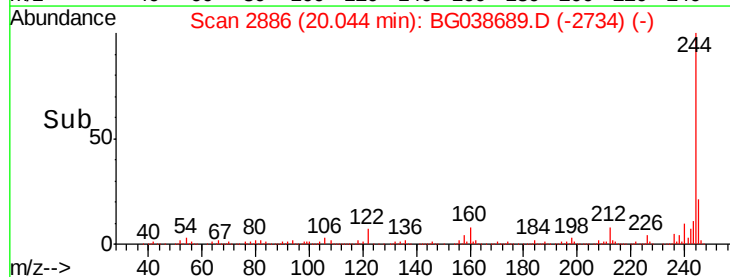
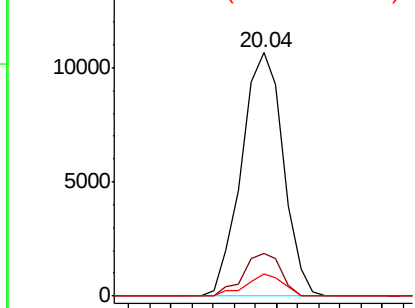


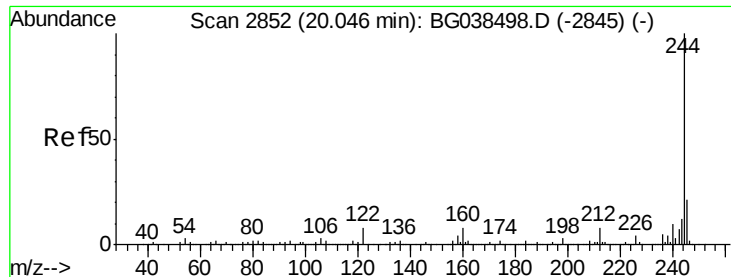
#77
Benzidine
Concen: 3.033 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038689.D
Acq: 18 Dec 2018 8:51

Tgt Ion:184 Resp: 14597
Ion Ratio Lower Upper
184 100
185 17.7 12.2 18.2
183 9.1 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: 105.750 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038689.D

Acq: 18 Dec 2018 8:51

Instrument :

BNA_G

ClientSampleId :

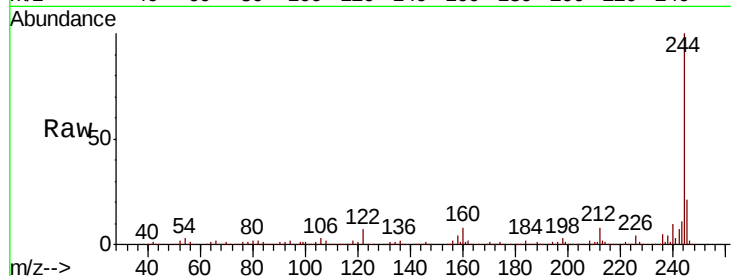
Tot Ion:244 Resp: 790765

Ion Ratio Lower Upper

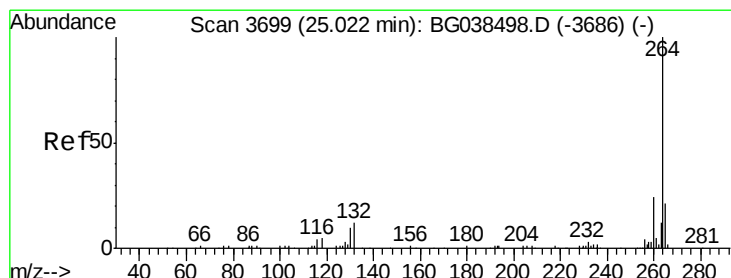
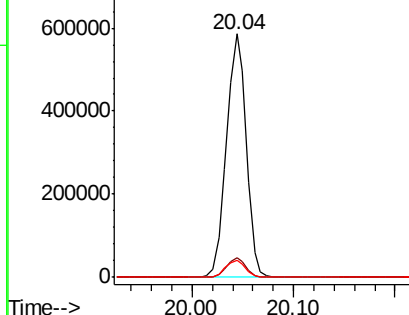
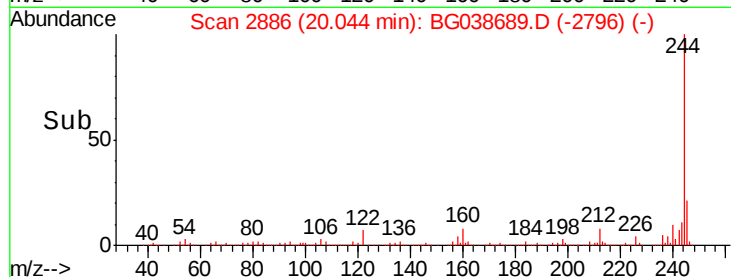
244 100

212 7.9 6.2 9.2

122 6.9 6.3 9.5



Abundance Ion 244.00 (243.70 to 244.70): E
800000
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: BG038689.D

Acq: 18 Dec 2018 8:51

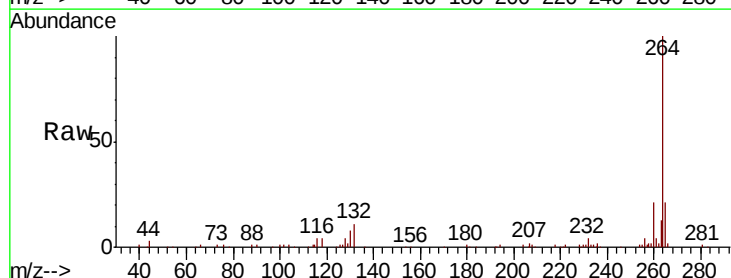
Tgt Ion:264 Resp: 170985

Ion Ratio Lower Upper

264 100

260 20.9 18.9 28.3

265 20.6 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E
60000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

