

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038642.D
 Acq On : 16 Dec 2018 16:04
 Operator : JU/SJ
 Sample : J6378-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:50:57 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

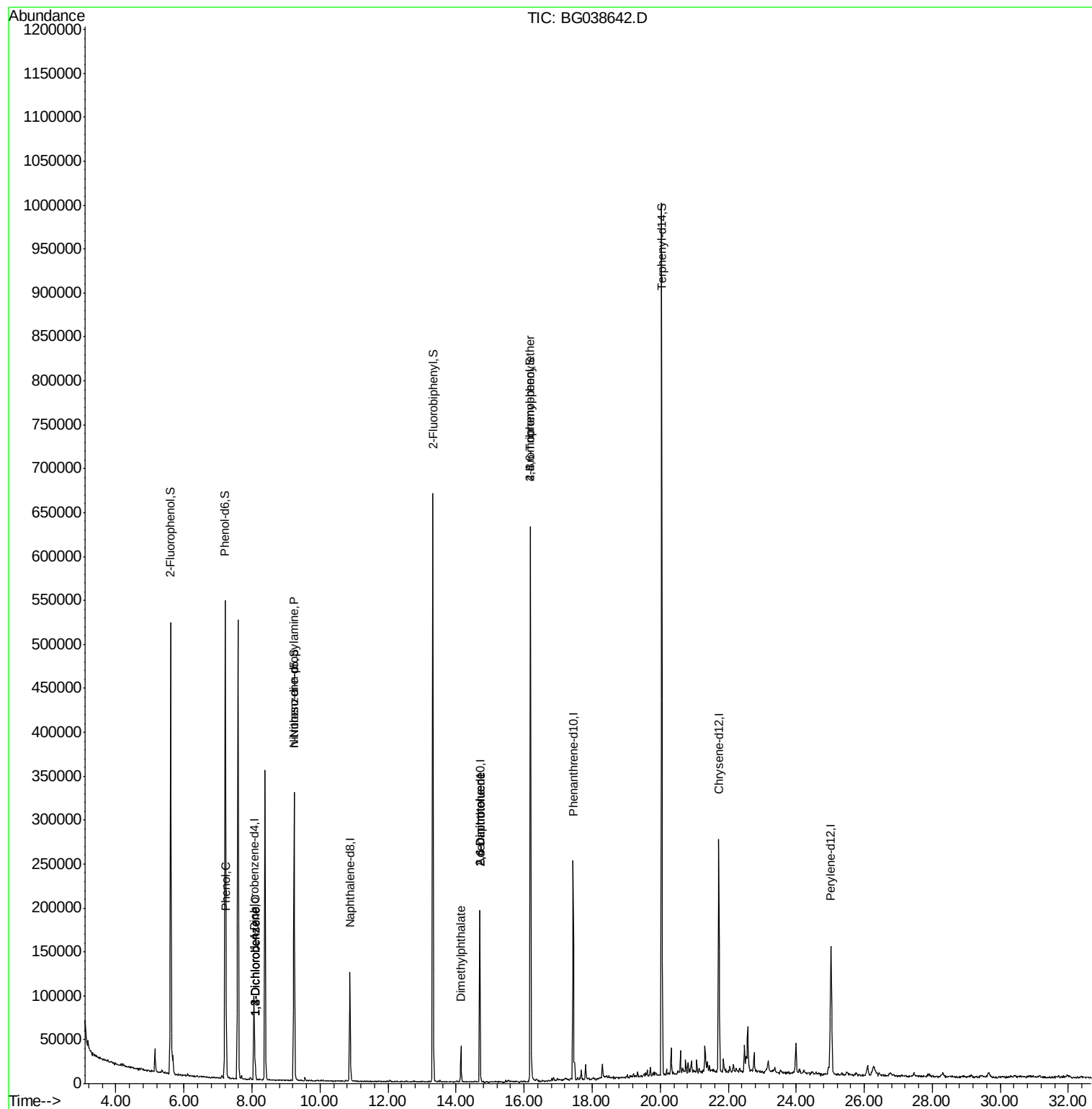
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	26384	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	109242	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	71233	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	163618	20.00	ng	0.00
76) Chrysene-d12	21.72	240	163313	20.00	ng	0.00
87) Perylene-d12	25.02	264	178153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	222438	149.53	ng	0.00
7) Phenol-d6	7.21	99	304953	149.33	ng	0.00
23) Nitrobenzene-d5	9.23	82	200514	93.77	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	125829	128.17	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	353088	68.00	ng	0.00
79) Terphenyl-d14	20.04	244	484065	64.51	ng	0.00
Target Compounds						
10) Phenol	7.24	94	20318	9.365	ng	87
12) 1,3-Dichlorobenzene	8.09	146	7503	3.686	ng	96
13) 1,4-Dichlorobenzene	8.09	146	7503	3.599	ng	94
14) 1,2-Dichlorobenzene	8.09	146	7503	3.818	ng	96
19) n-Nitroso-di-n-propylamine	9.23	70	26967	18.802	ng	# 71
50) Dimethylphthalate	14.15	163	30075	5.170	ng	98
51) 2,6-Dinitrotoluene	14.70	165	8910	6.759	ng	# 21
57) 2,4-Dinitrotoluene	14.70	165	8910	4.799	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	8343	4.175	ng	# 1

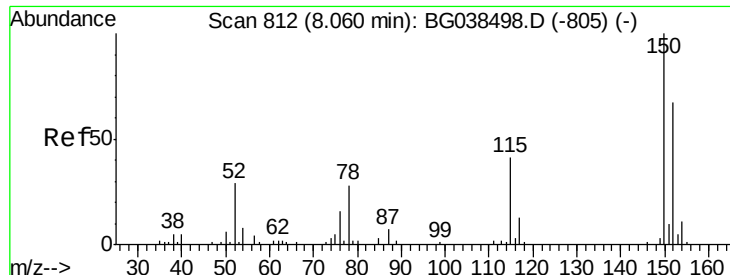
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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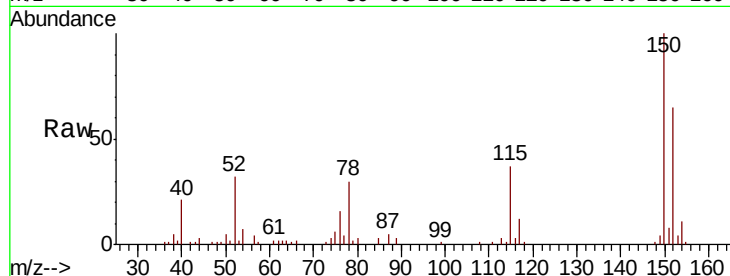




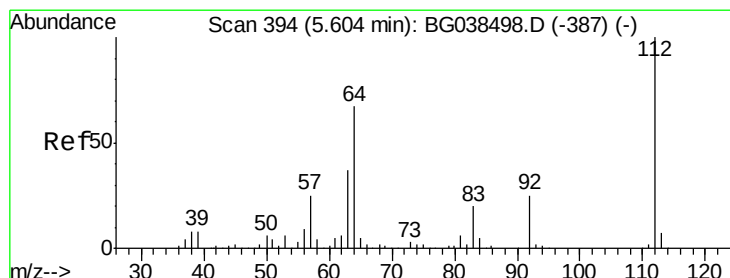
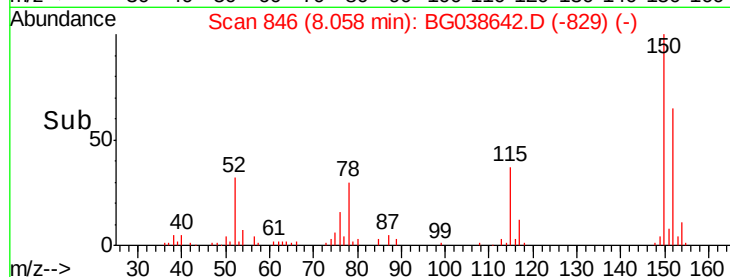
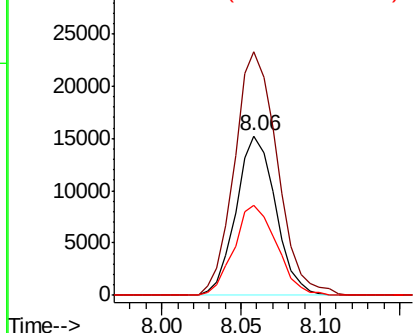
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 26384
 Ion Ratio Lower Upper
 152 100
 150 152.7 119.5 179.3
 115 56.3 49.6 74.4

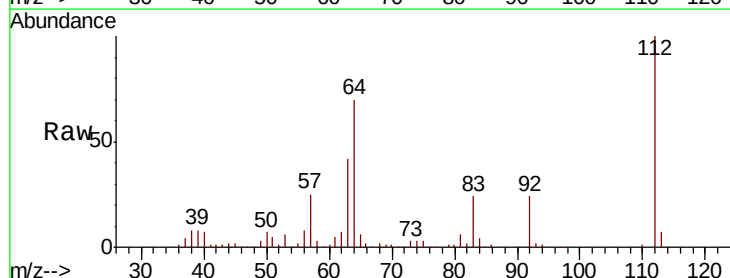


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

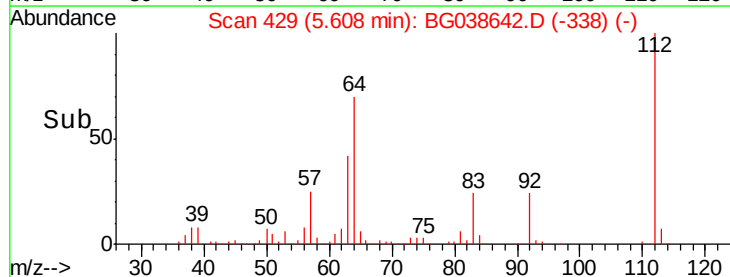
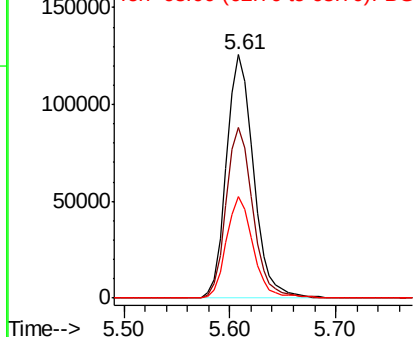


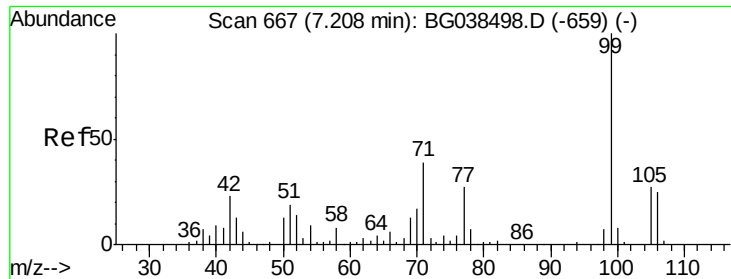
#5
 2-Fluorophenol
 Concen: 149.533 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Tgt Ion:112 Resp: 222438
 Ion Ratio Lower Upper
 112 100
 64 70.3 53.4 80.2
 63 41.5 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: 149.331 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

Instrument :

BNA_G

ClientSampleId :

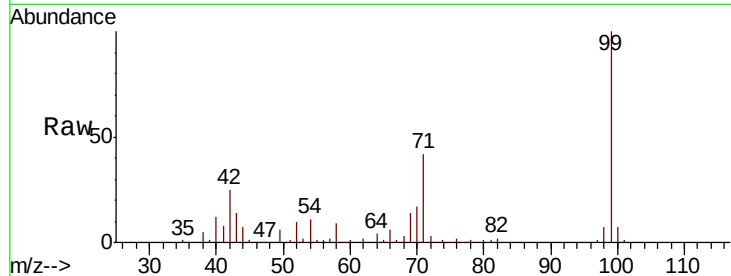
Tot Ion: 99 Resp: 304953

Ion Ratio Lower Upper

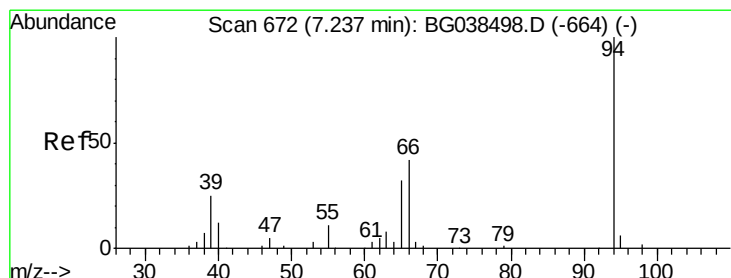
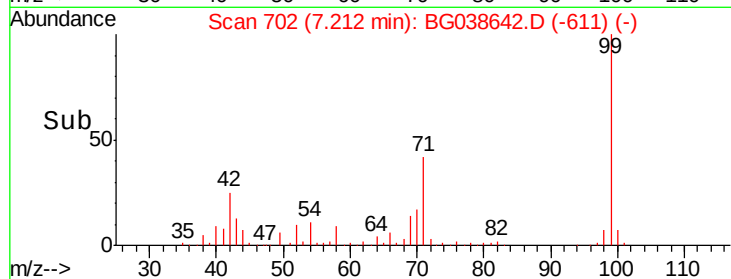
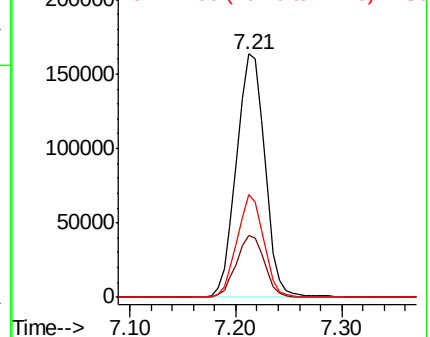
99 100

42 25.2 18.5 27.7

71 42.0 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: 9.365 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

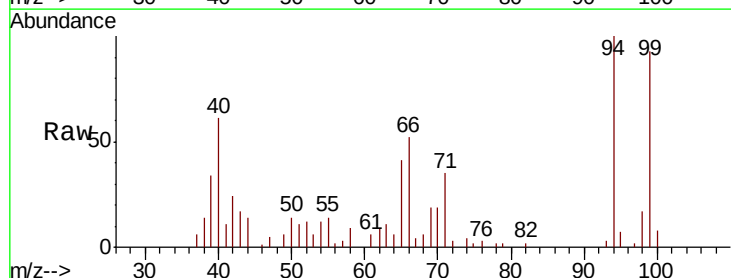
Tgt Ion: 94 Resp: 20318

Ion Ratio Lower Upper

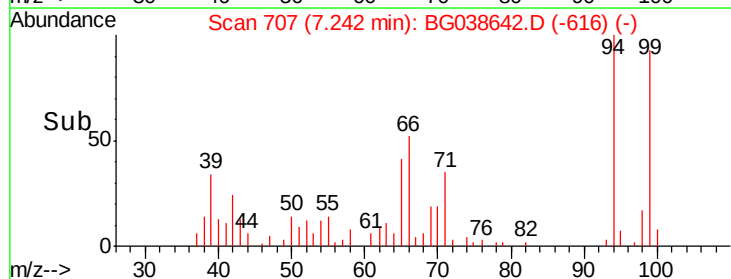
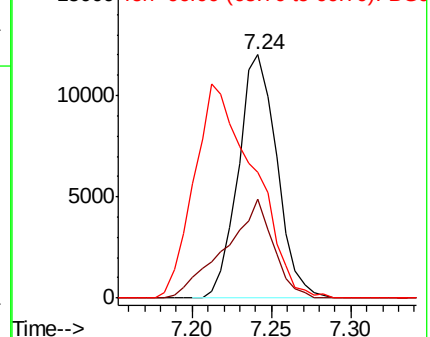
94 100

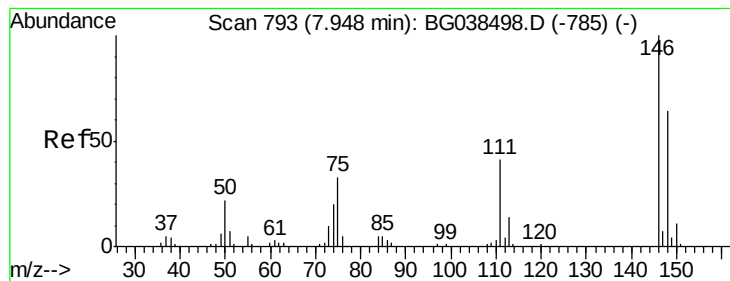
65 40.6 12.6 52.6

66 51.7 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





#12

1,3-Dichlorobenzene

Concen: 3.686 ng

RT: 8.09 min Scan# 852

Delta R.T. 0.15 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

Instrument :

BNA_G

ClientSampled :

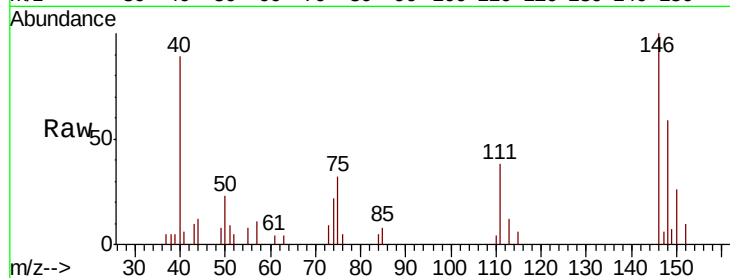
Tot Ion:146 Resp: 7503

Ion Ratio Lower Upper

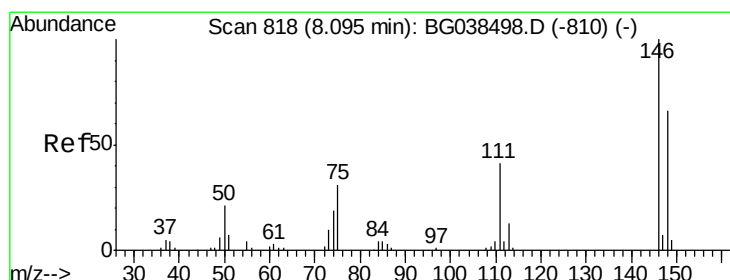
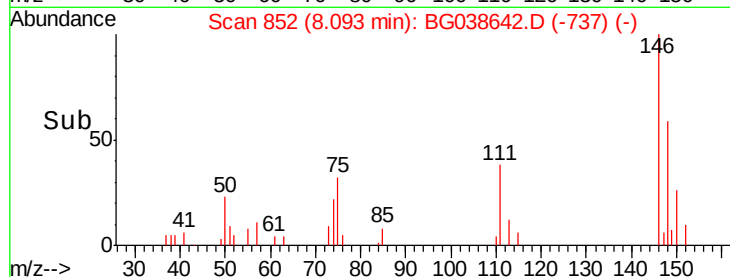
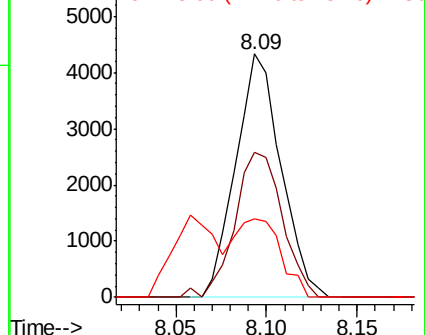
146 100

148 59.3 51.4 77.0

75 32.4 26.1 39.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 3.599 ng

RT: 8.09 min Scan# 852

Delta R.T. -0.00 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

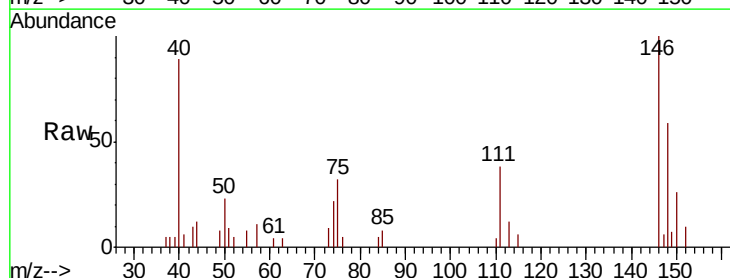
Tgt Ion:146 Resp: 7503

Ion Ratio Lower Upper

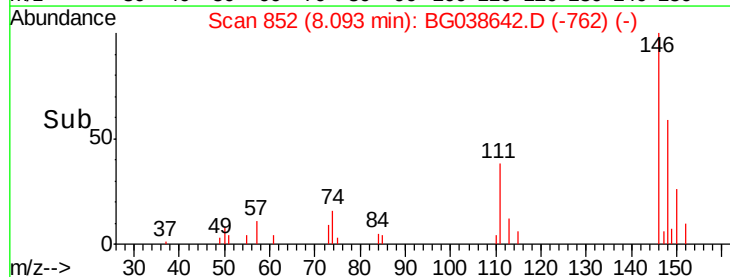
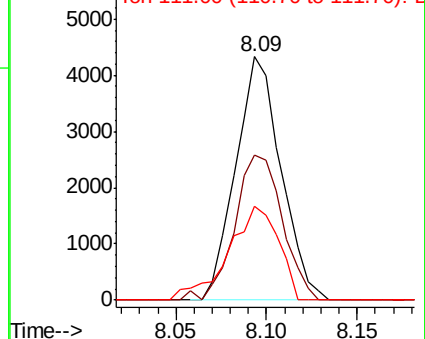
146 100

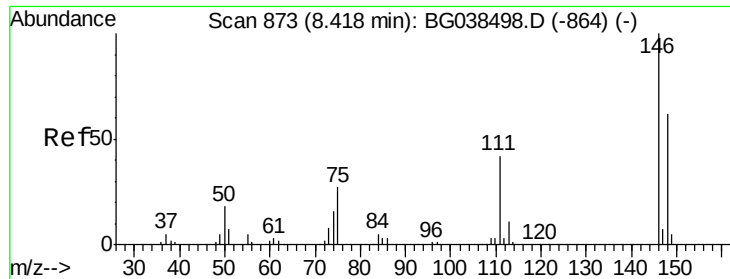
148 59.3 52.4 78.6

111 38.4 33.0 49.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 3.818 ng

RT: 8.09 min Scan# 852

Delta R.T. -0.32 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

Instrument :

BNA_G

ClientSampled :

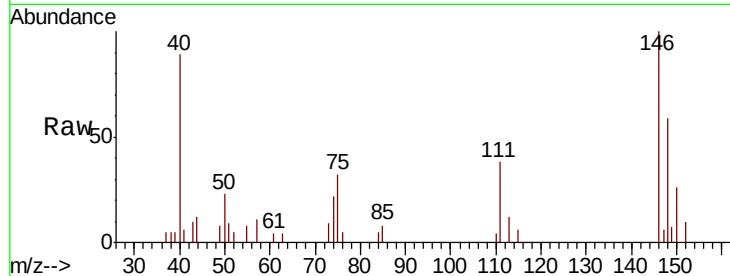
Tot Ion:146 Resp: 7503

Ion Ratio Lower Upper

146 100

148 59.3 49.4 74.0

111 38.4 33.8 50.6

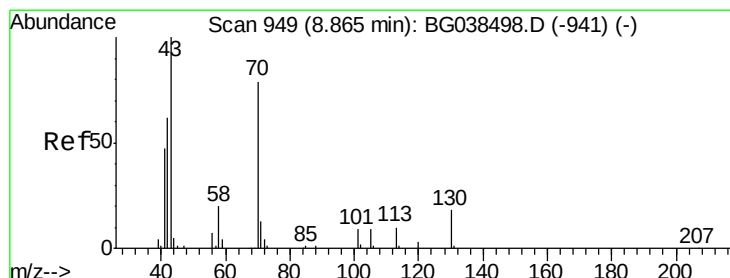
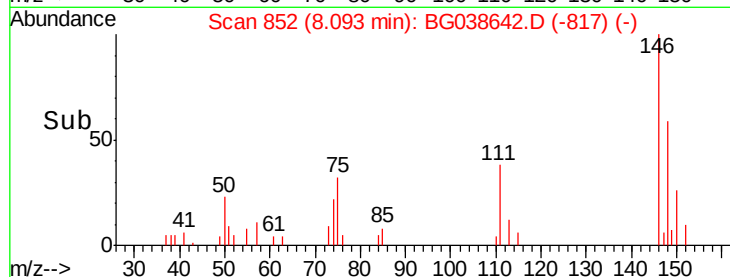
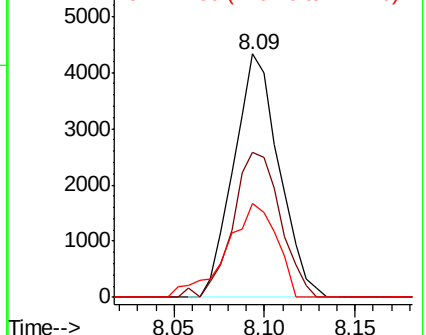


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 18.802 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

Tgt Ion: 70 Resp: 26967

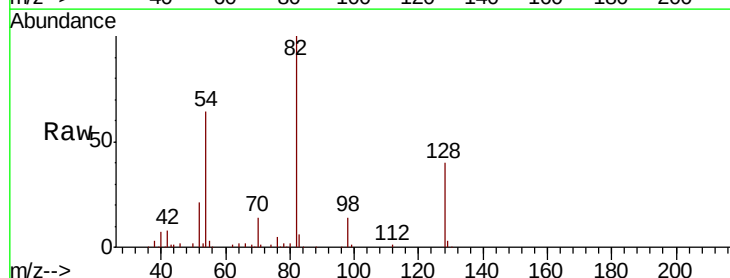
Ion Ratio Lower Upper

70 100

42 58.2 63.6 95.4#

101 0.0 9.2 13.8#

130 1.4 18.5 27.7#



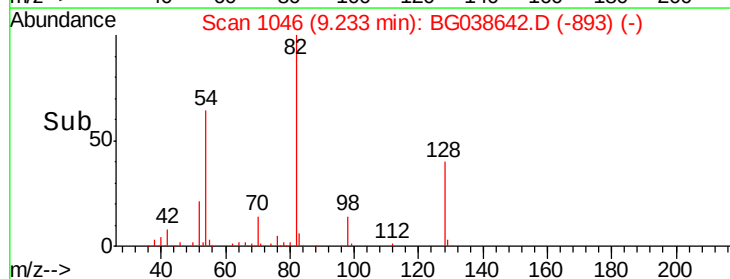
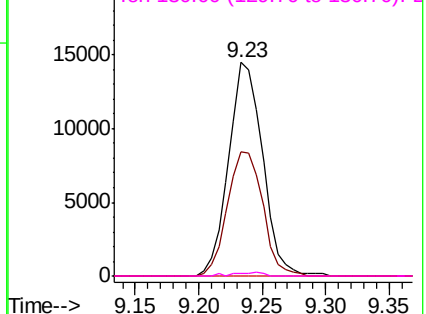
Abundance

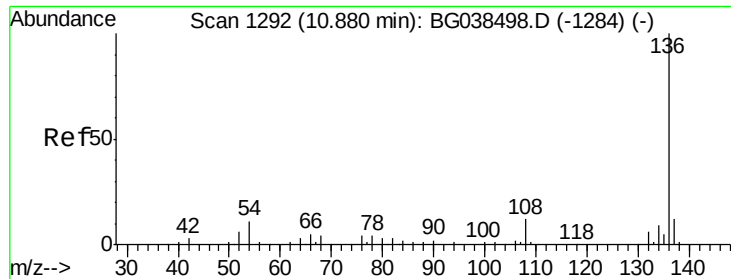
Ion 70.00 (69.70 to 70.70): BGC

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: 10.88 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 109242

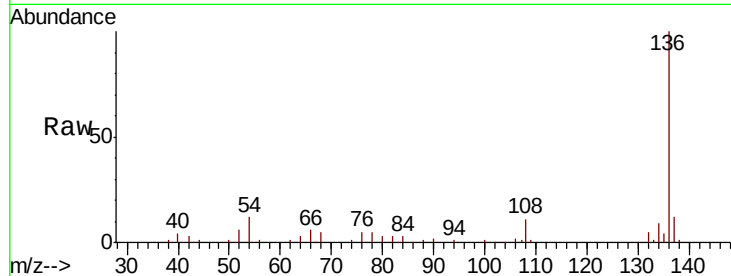
Ion Ratio Lower Upper

136 100

137 11.9 9.3 13.9

54 11.5 8.5 12.7

68 4.6 3.5 5.3

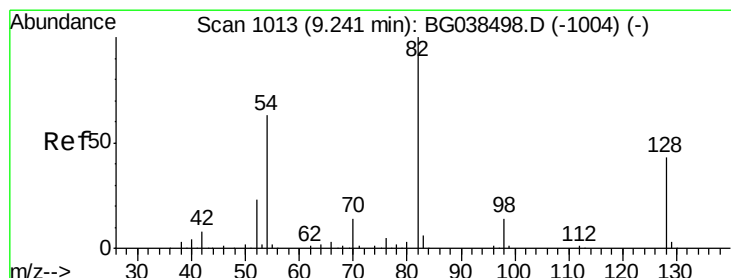
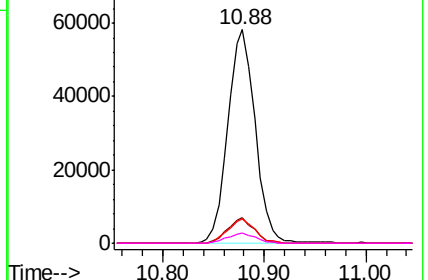
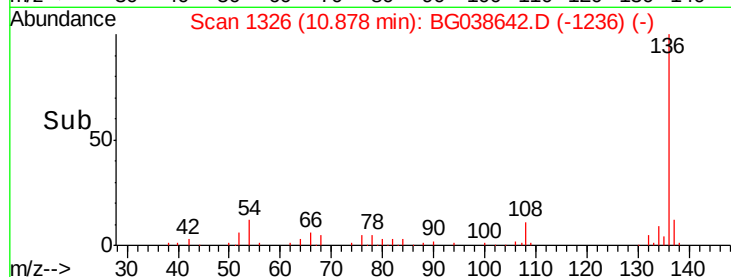


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.771 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

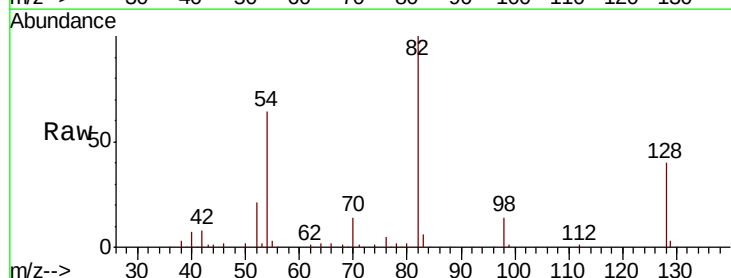
Tgt Ion: 82 Resp: 200514

Ion Ratio Lower Upper

82 100

128 40.1 34.6 52.0

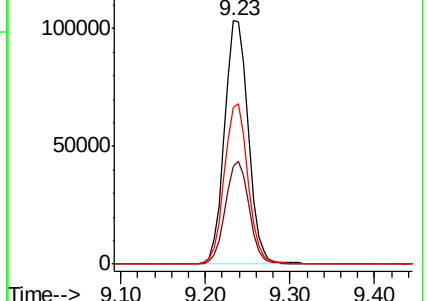
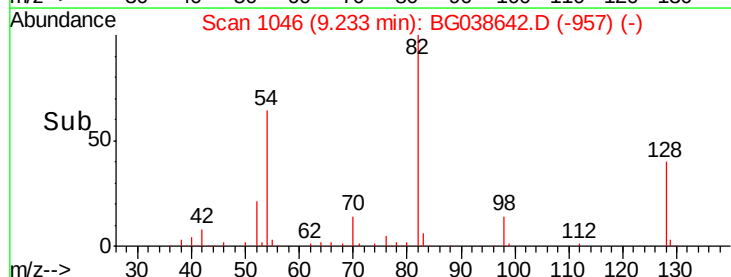
54 64.3 50.6 76.0

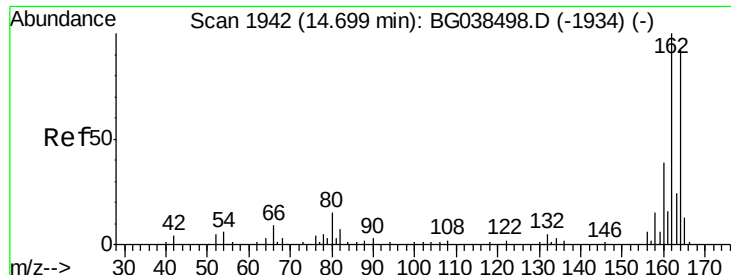


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG038642.D

Acq: 16 Dec 2018 16:04

Instrument :

BNA_G

ClientSampled :

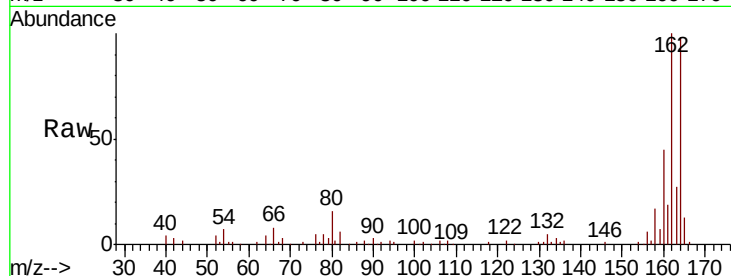
Tot Ion:164 Resp: 71233

Ion Ratio Lower Upper

164 100

162 101.6 86.6 130.0

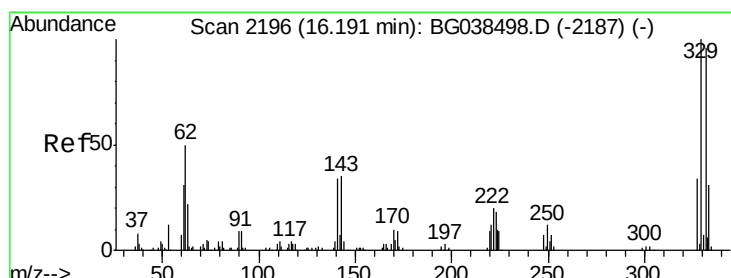
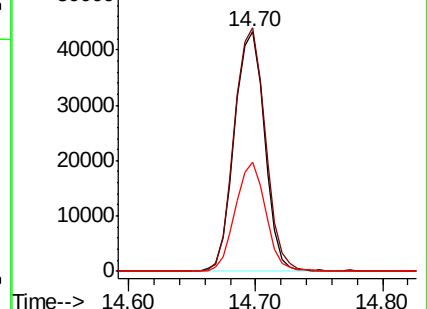
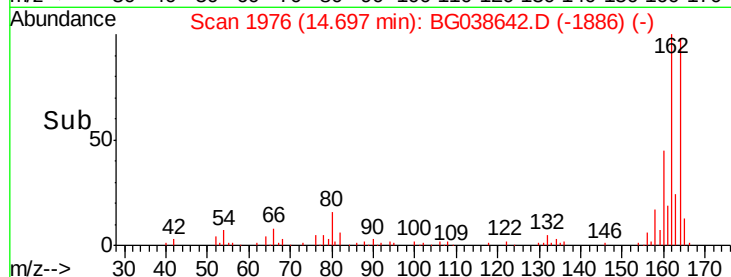
160 45.8 34.2 51.2



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: 128.172 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038642.D

Acq: 16 Dec 2018 16:04

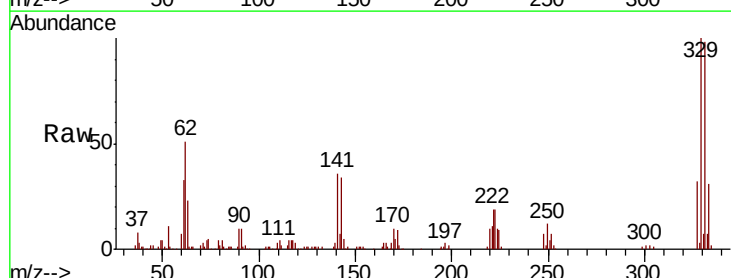
Tgt Ion:330 Resp: 125829

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

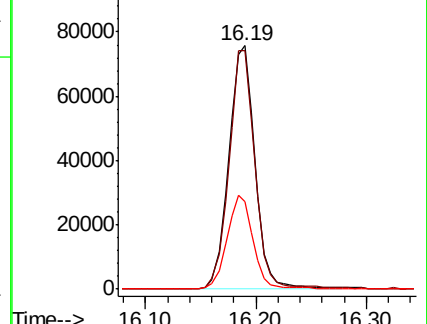
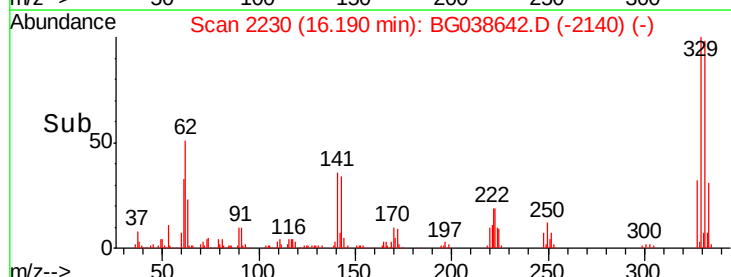
141 38.4 28.8 43.2

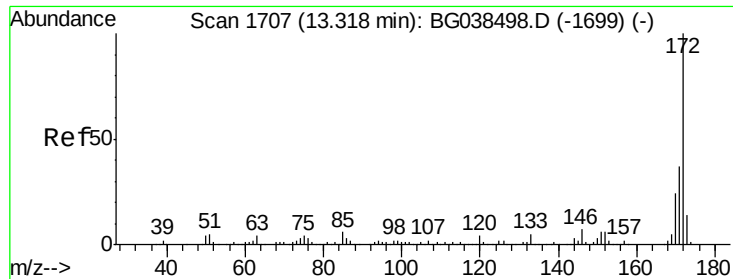


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

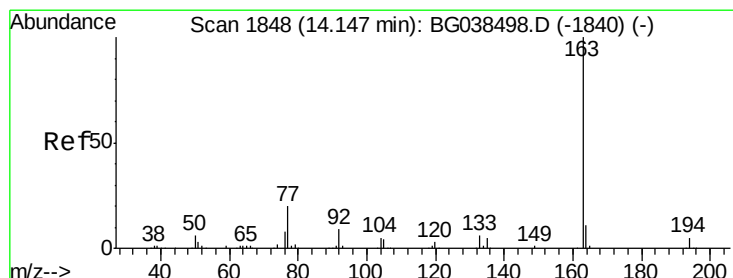
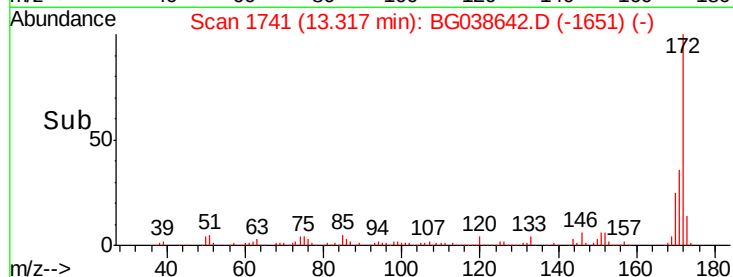
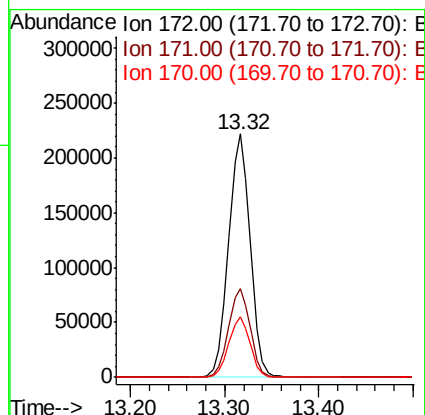
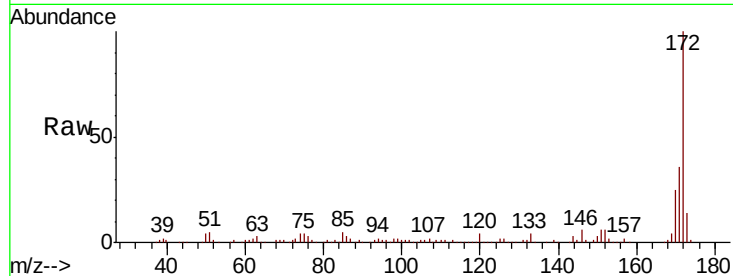




#45
2-Fluorobiphenyl
Concen: 68.000 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038642.D
Acq: 16 Dec 2018 16:04

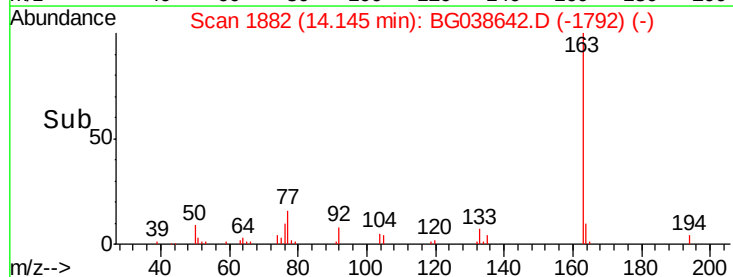
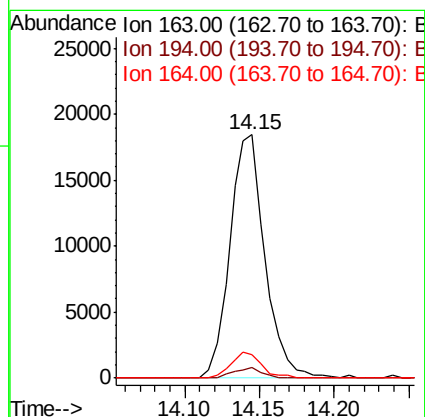
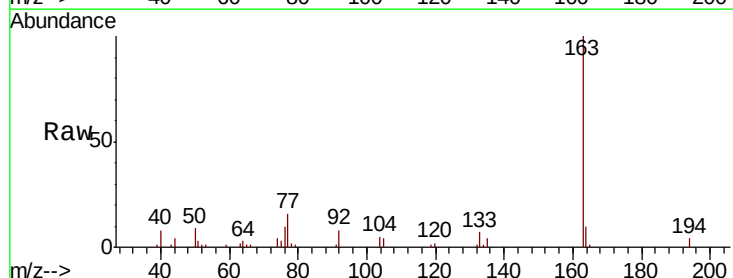
Instrument :
BNA_G
ClientSampled :

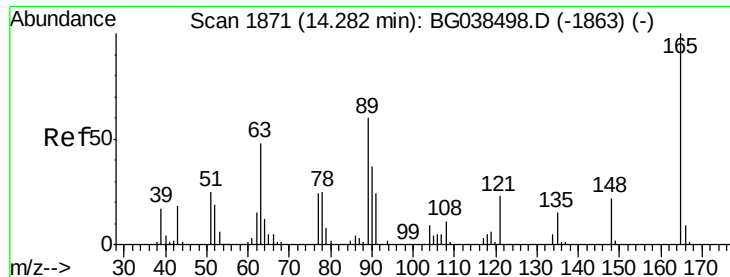
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	24.8	19.5	29.3



#50
Dimethylphthalate
Concen: 5.170 ng
RT: 14.15 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BG038642.D
Acq: 16 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	9.6	8.6	12.8

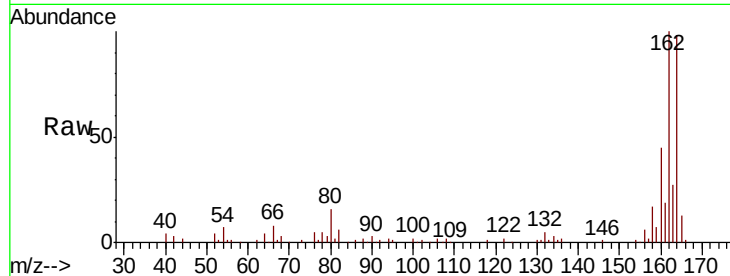




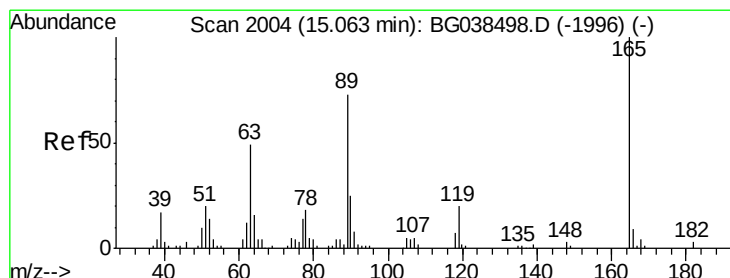
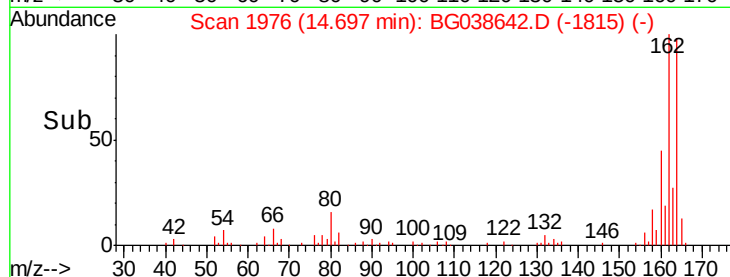
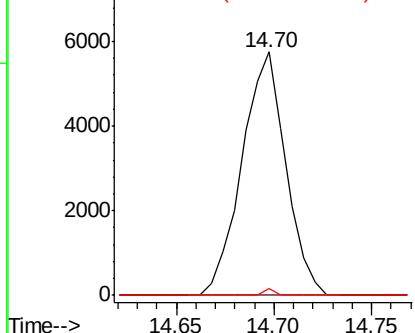
#51
 2,6-Dinitrotoluene
 Concen: 6.759 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.0	47.9	71.9#

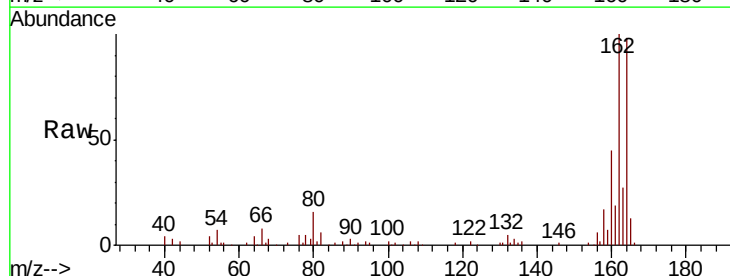


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

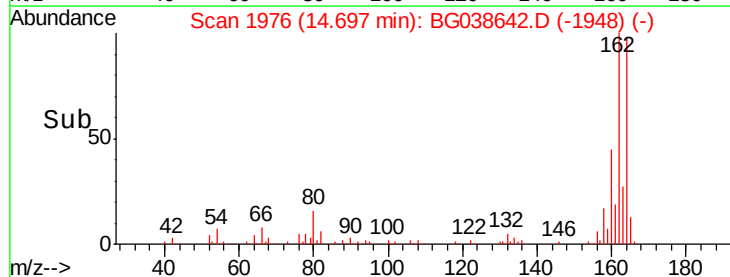
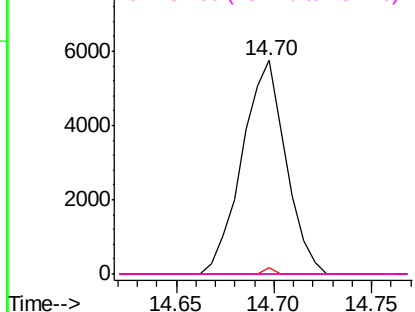


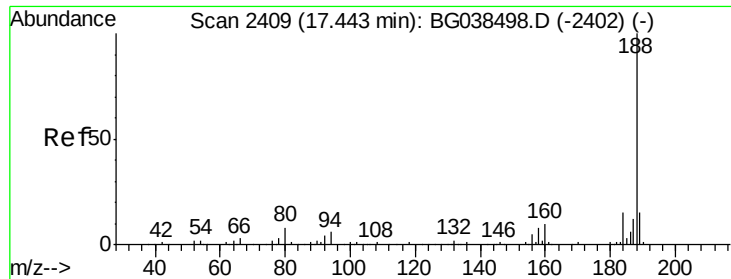
#57
 2,4-Dinitrotoluene
 Concen: 4.799 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.0	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

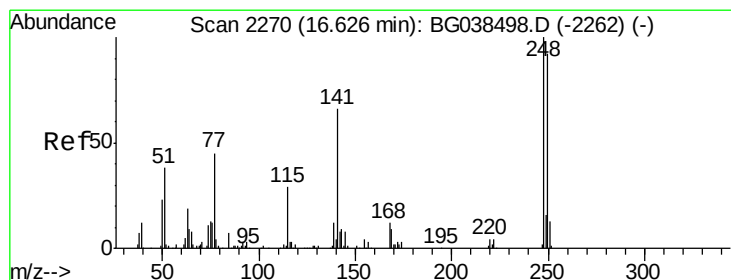
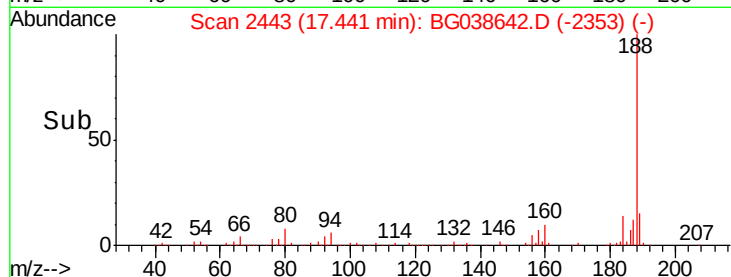
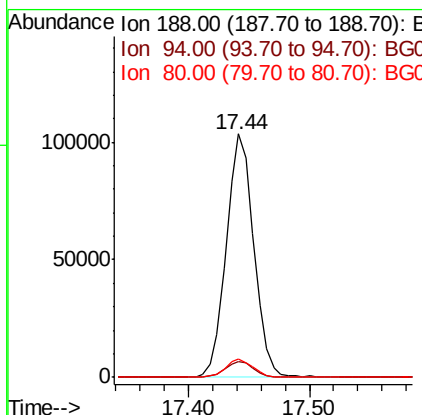
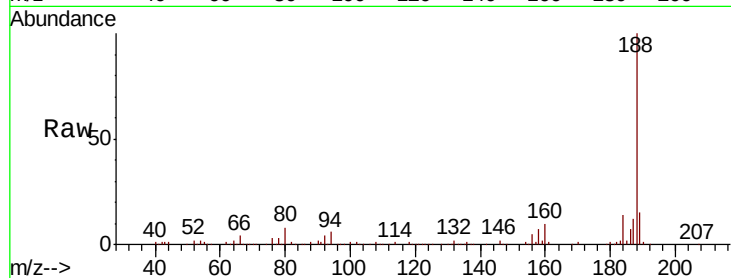




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

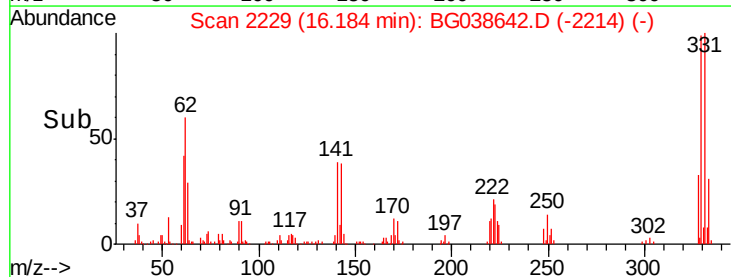
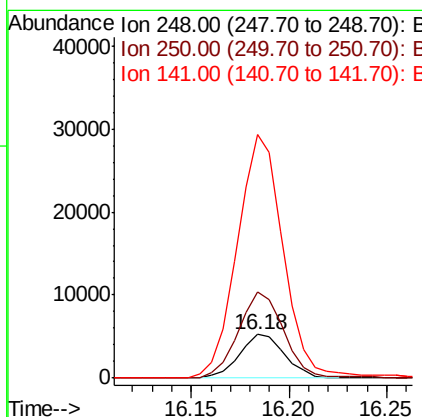
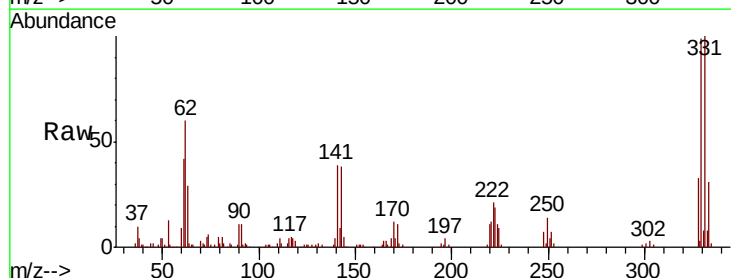
Instrument :
 BNA_G
 ClientSampled :

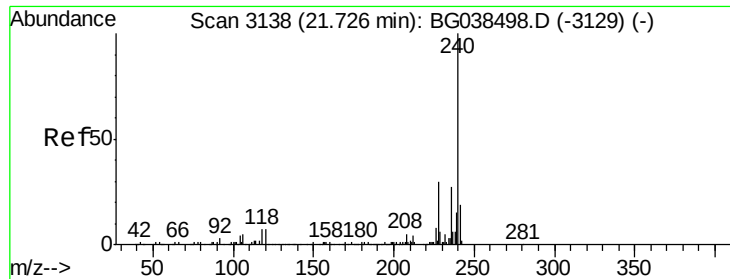
Tot Ion:188 Resp: 163618
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.1 7.7
 80 7.7 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.175 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Tgt Ion:248 Resp: 8343
 Ion Ratio Lower Upper
 248 100
 250 191.8 73.4 110.2#
 141 429.7 52.9 79.3#

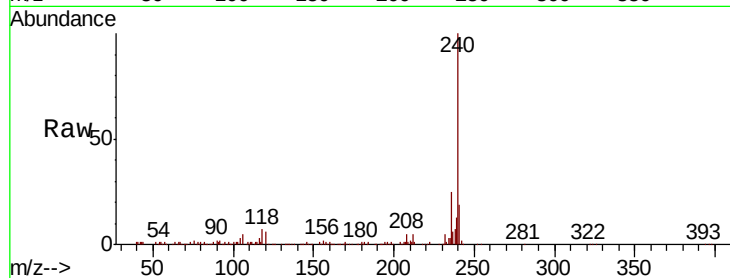




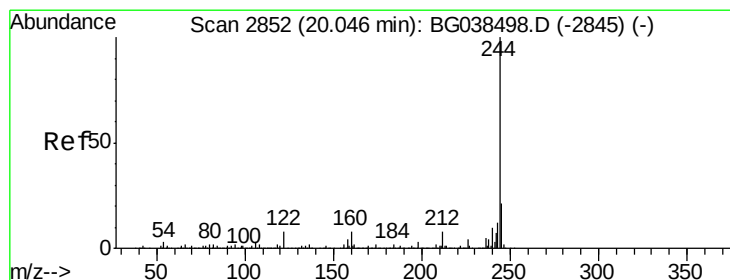
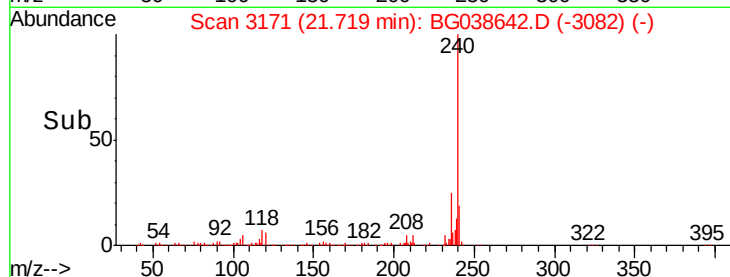
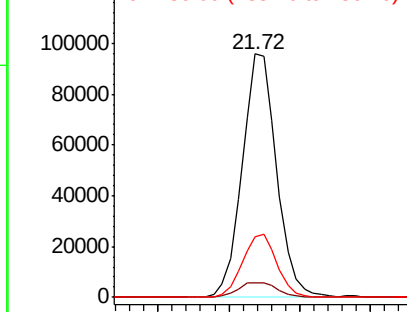
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038642.D
Acq: 16 Dec 2018 16:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 163313
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 25.0 21.4 32.2

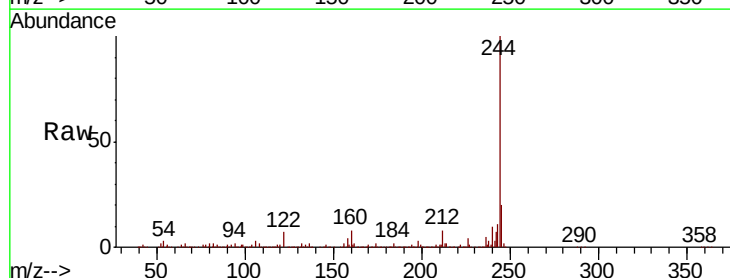


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

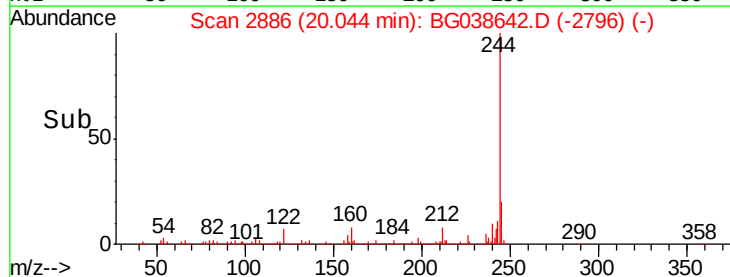
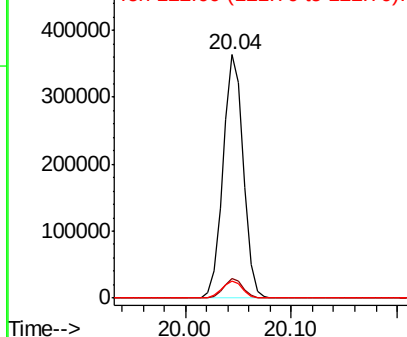


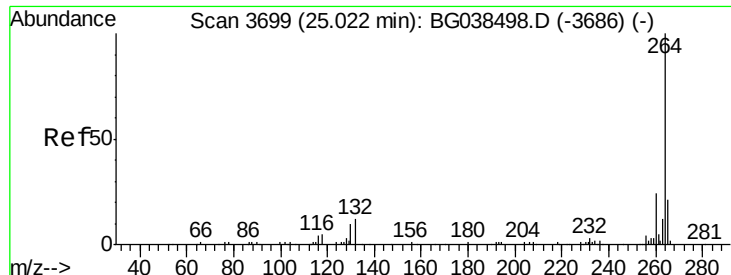
#79
Terphenyl-d14
Concen: 64.507 ng
RT: 20.04 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BG038642.D
Acq: 16 Dec 2018 16:04

Tgt Ion:244 Resp: 484065
Ion Ratio Lower Upper
244 100
212 8.0 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.00 min
 Lab File: BG038642.D
 Acq: 16 Dec 2018 16:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.4	17.0	25.4

