

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038647.D
 Acq On : 16 Dec 2018 19:25
 Operator : JU/SJ
 Sample : J6391-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:52:01 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

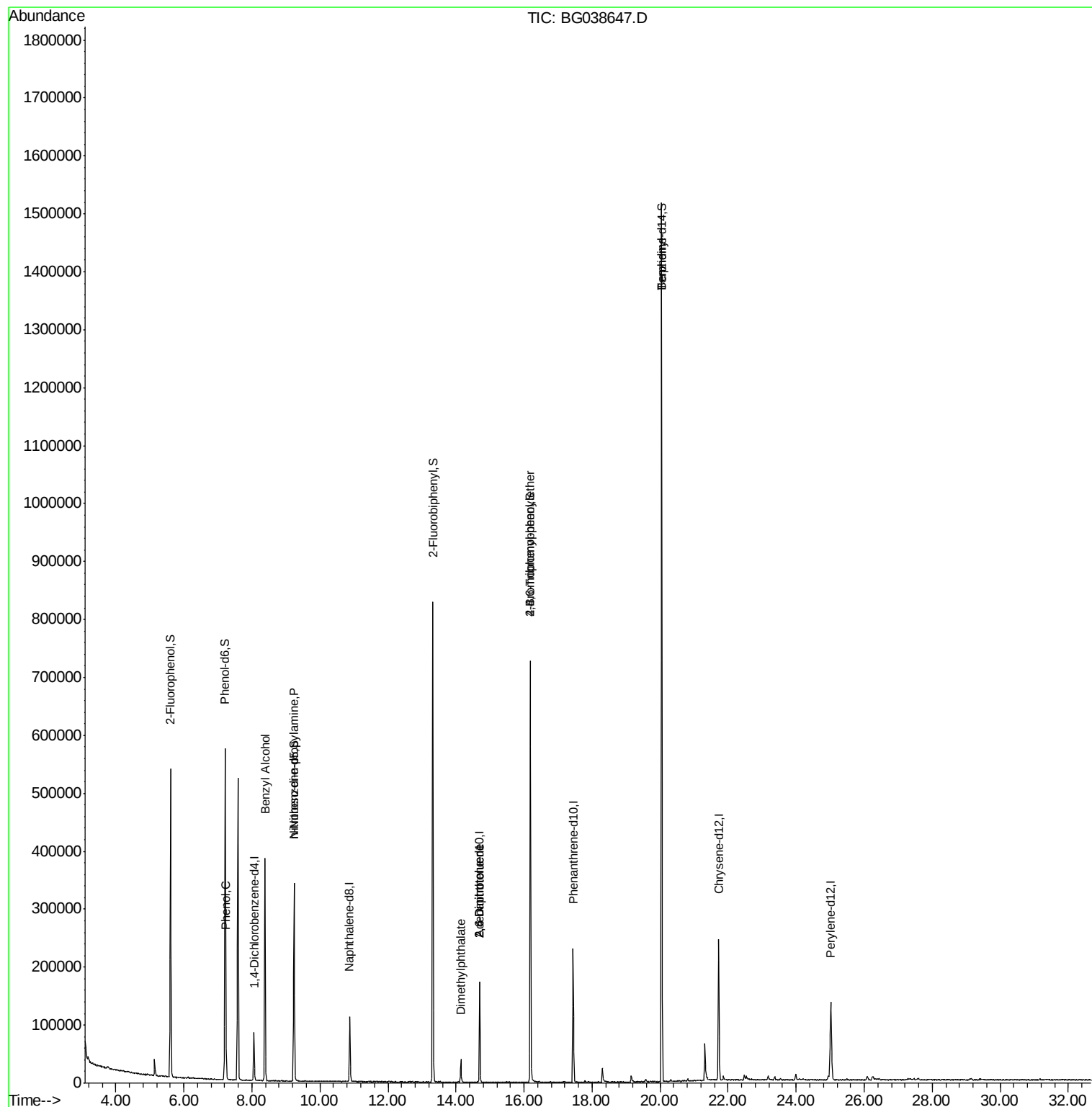
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23549	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	97388	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	64158	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	152570	20.00	ng	0.00
76) Chrysene-d12	21.72	240	153883	20.00	ng	0.00
87) Perylene-d12	25.02	264	164769	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	223011	167.97	ng	0.00
7) Phenol-d6	7.21	99	302430	165.92	ng	0.00
23) Nitrobenzene-d5	9.24	82	200533	105.19	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	136923	154.85	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	452125	96.67	ng	0.00
79) Terphenyl-d14	20.05	244	743540	105.16	ng	0.00
Target Compounds						
10) Phenol	7.24	94	16957	8.757	ng	91
15) Benzyl Alcohol	8.38	79	2932	2.061	ng	# 44
19) n-Nitroso-di-n-propylamine	9.24	70	27390	21.396	ng	# 67
50) Dimethylphthalate	14.14	163	29909	5.709	ng	98
51) 2,6-Dinitrotoluene	14.69	165	8354	7.036	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8354	4.996	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9165	4.919	ng	# 1
77) Benzidine	20.05	184	13748	3.021	ng	# 92

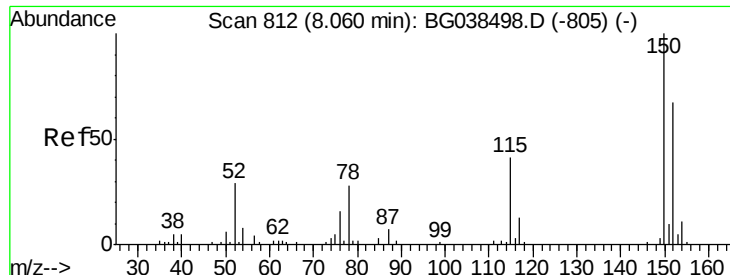
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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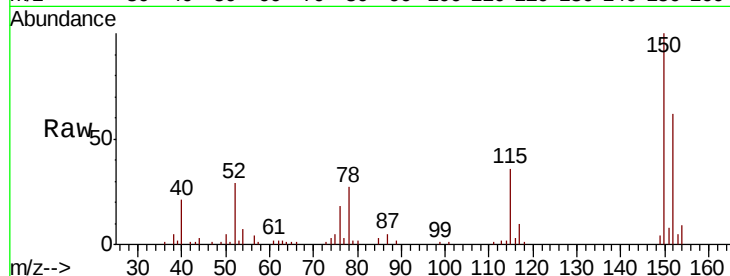


#1

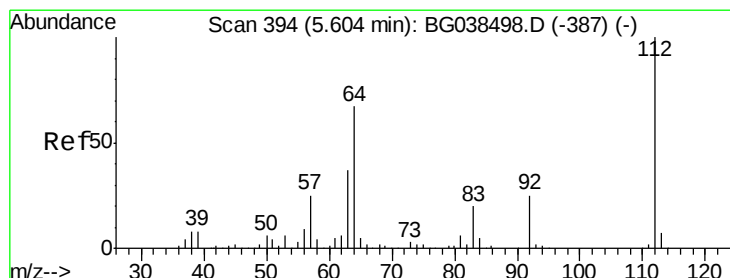
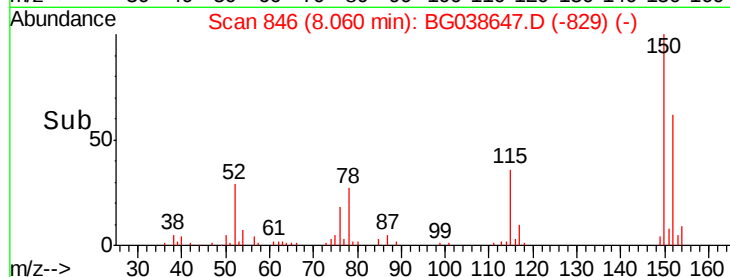
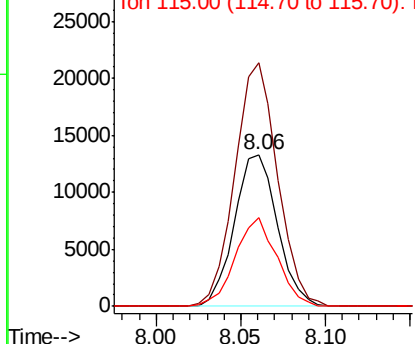
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23549
Ion Ratio Lower Upper
152 100
150 160.3 119.5 179.3
115 58.3 49.6 74.4



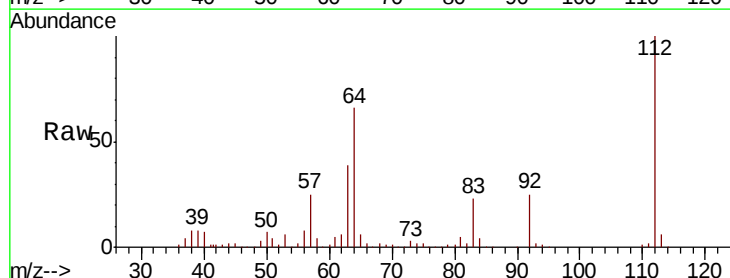
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



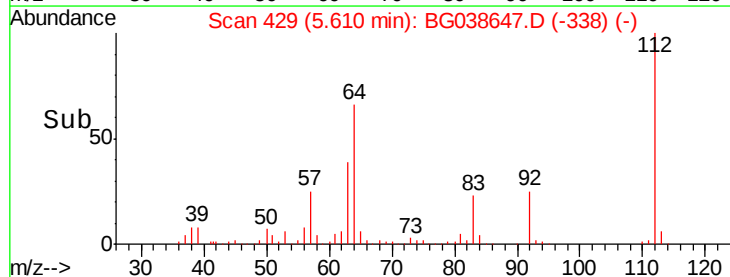
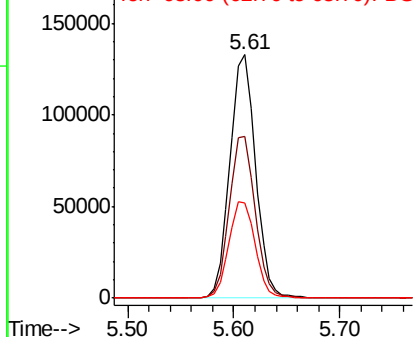
#5

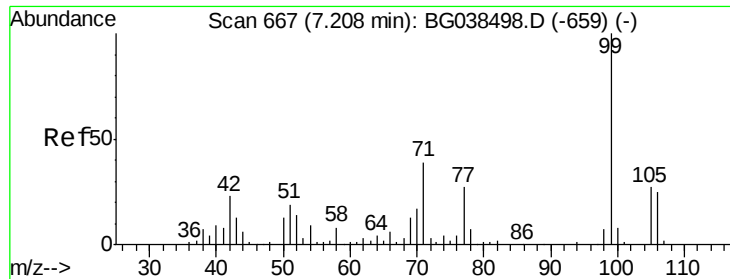
2-Fluorophenol
Concen: 167.966 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Tgt Ion:112 Resp: 223011
Ion Ratio Lower Upper
112 100
64 66.3 53.4 80.2
63 38.9 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: 165.925 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

Instrument :

BNA_G

ClientSampled :

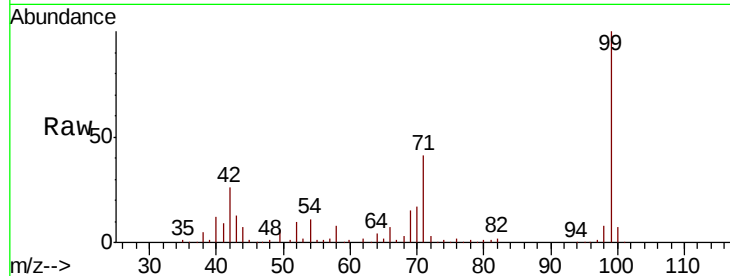
Tot Ion: 99 Resp: 302430

Ion Ratio Lower Upper

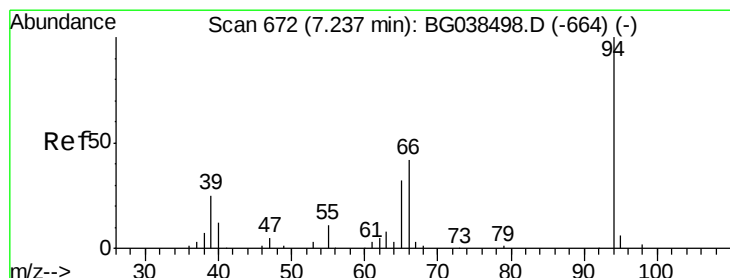
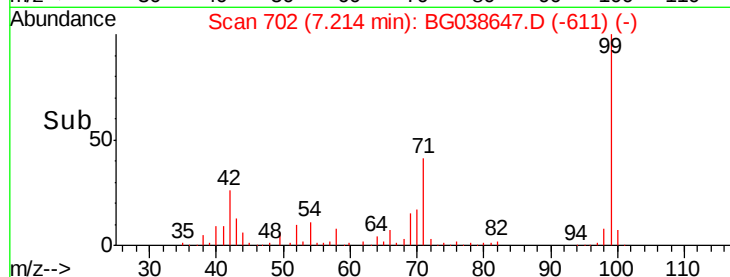
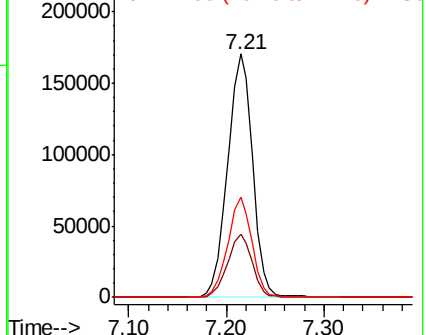
99 100

42 26.2 18.5 27.7

71 41.3 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



#10

Phenol

Concen: 8.757 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

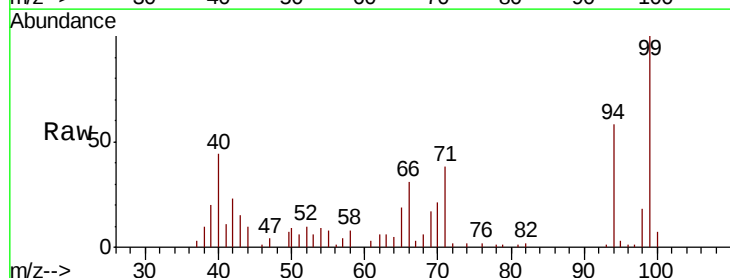
Tgt Ion: 94 Resp: 16957

Ion Ratio Lower Upper

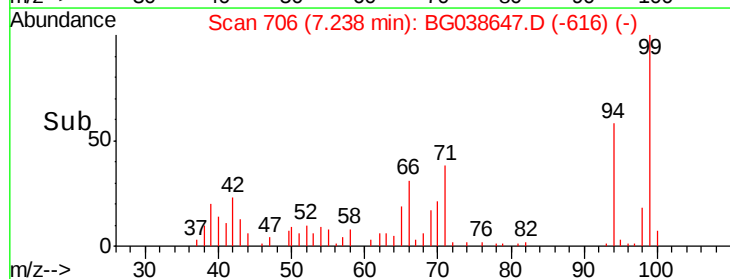
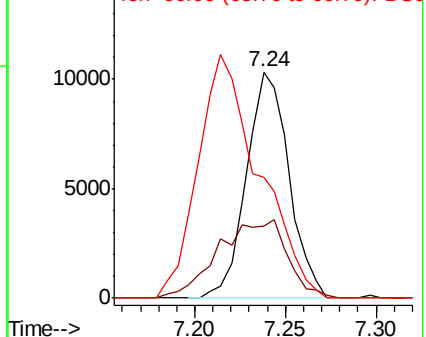
94 100

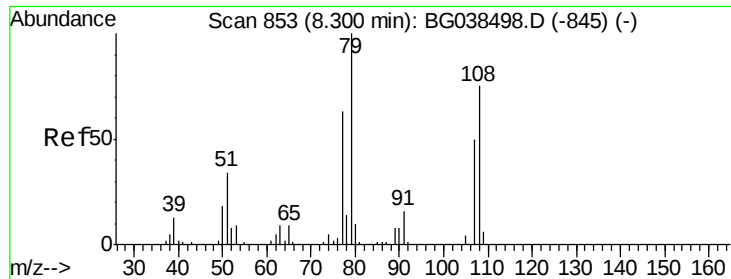
65 32.0 12.6 52.6

66 53.5 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: 2.061 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

Instrument :

BNA_G

ClientSampleId :

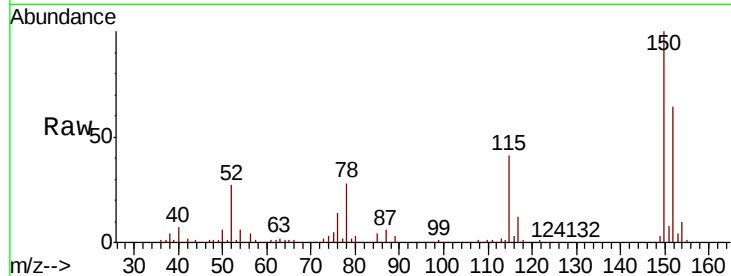
Tot Ion: 79 Resp: 2932

Ion Ratio Lower Upper

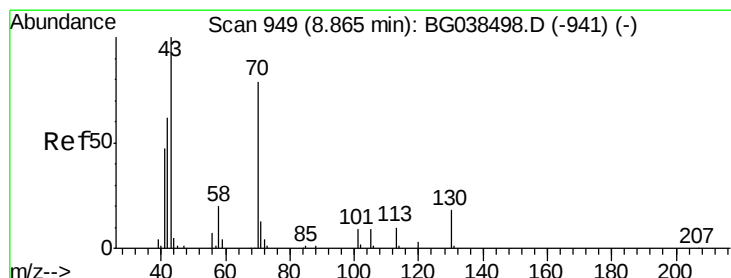
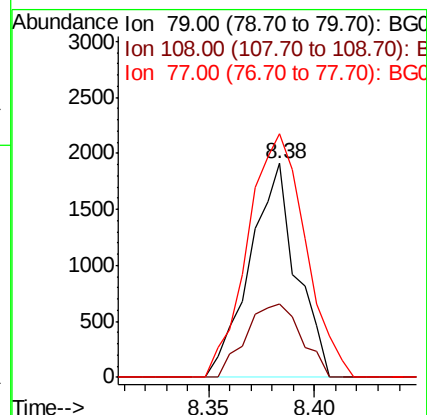
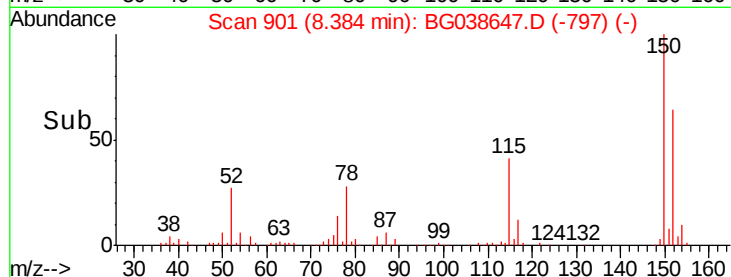
79 100

108 34.2 60.2 90.4#

77 113.8 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: 21.396 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

Tgt Ion: 70 Resp: 27390

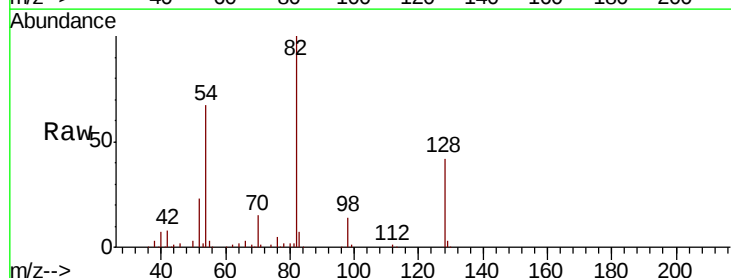
Ion Ratio Lower Upper

70 100

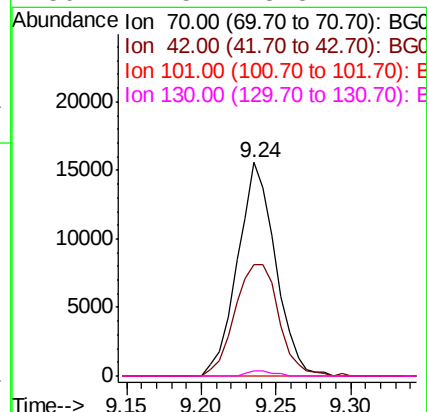
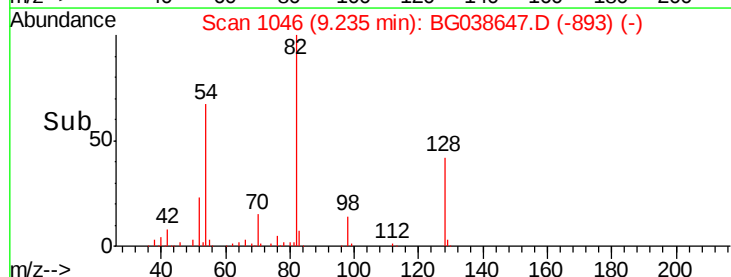
42 51.9 63.6 95.4#

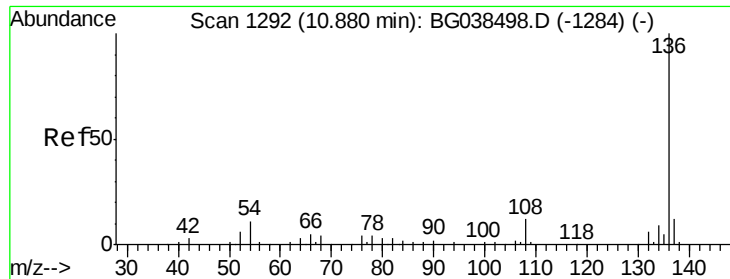
101 0.0 9.2 13.8#

130 2.5 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

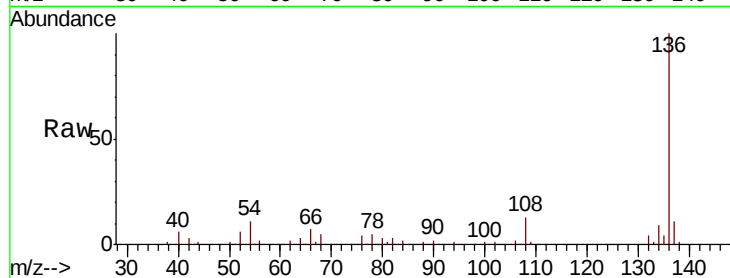




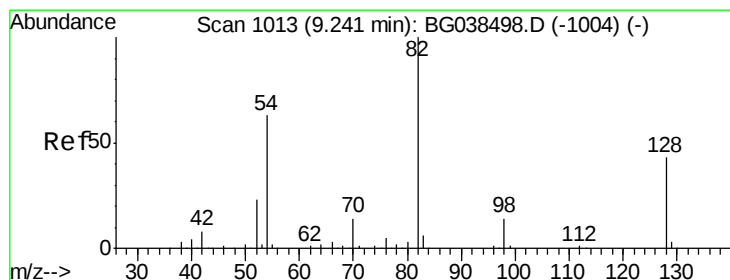
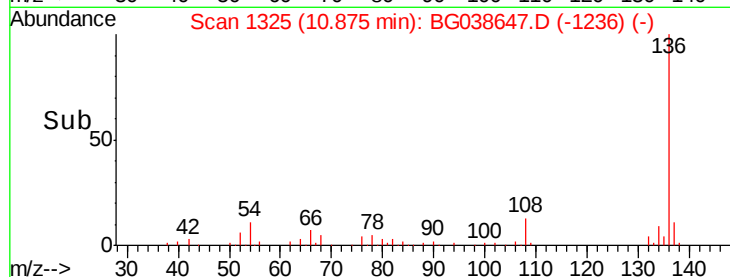
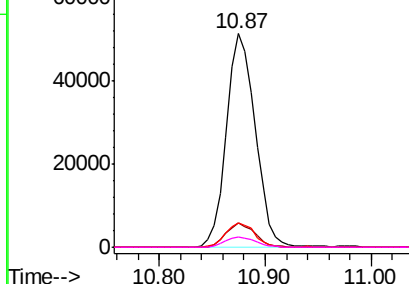
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	97388
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.3 13.9
54	11.2	8.5 12.7
68	5.1	3.5 5.3

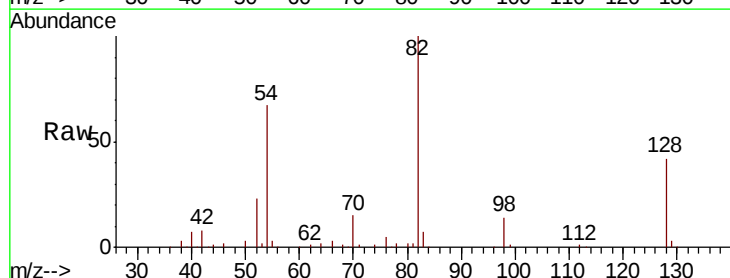


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

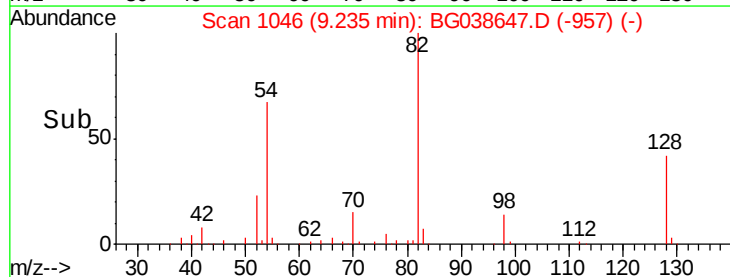
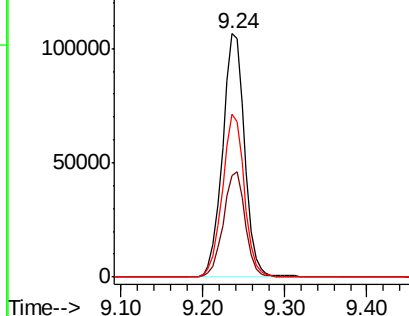


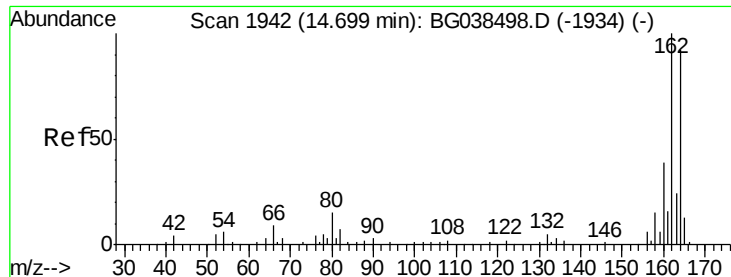
#23
Nitrobenzene-d5
Concen: 105.194 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Tgt Ion: 82	Resp:	200533
Ion Ratio	Lower	Upper
82	100	
128	41.8	34.6 52.0
54	66.9	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

Instrument :

BNA_G

ClientSampleId :

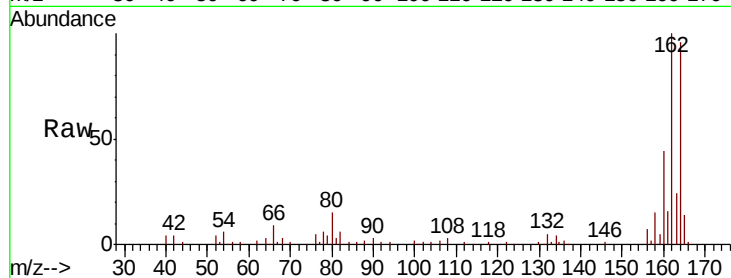
Tot Ion:164 Resp: 64158

Ion Ratio Lower Upper

164 100

162 104.5 86.6 130.0

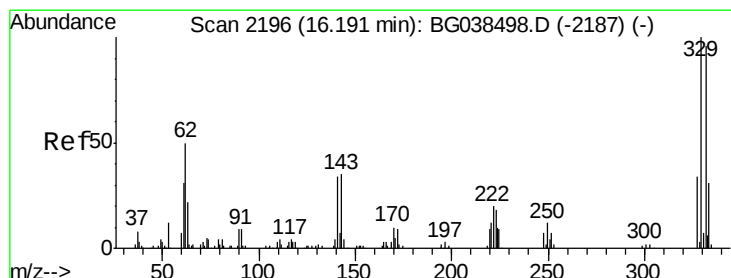
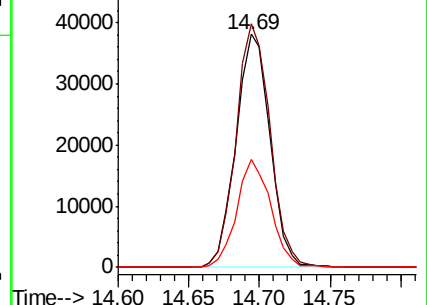
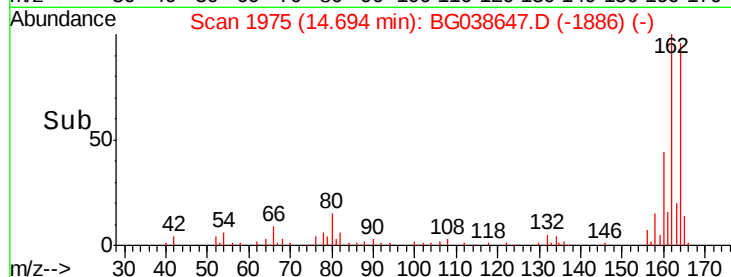
160 46.2 34.2 51.2



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: 154.853 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

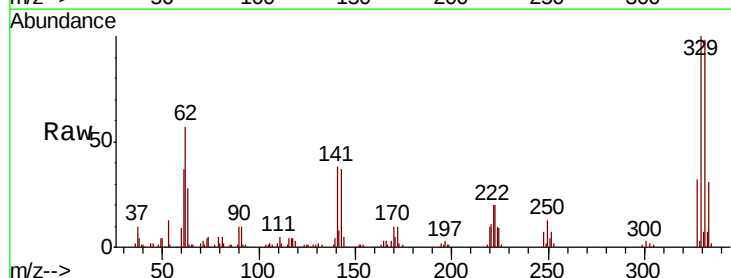
Tgt Ion:330 Resp: 136923

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

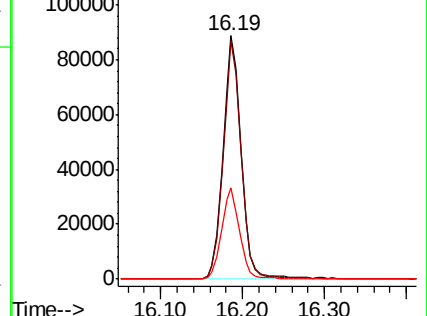
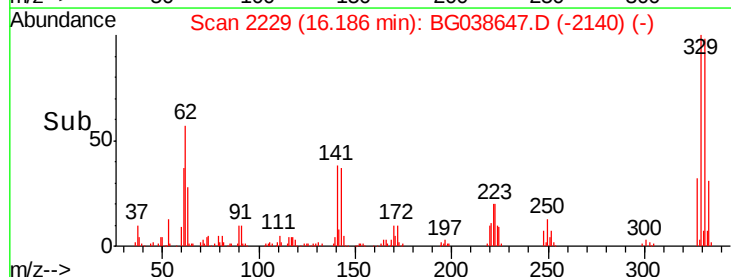
141 36.9 28.8 43.2

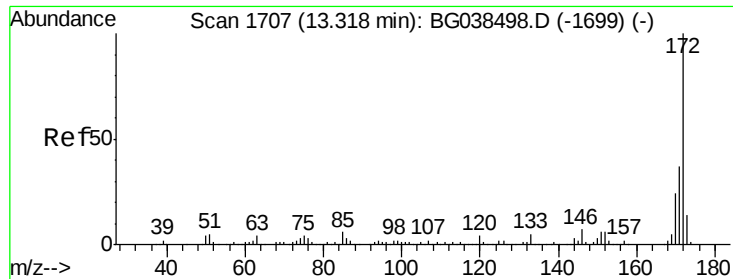


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

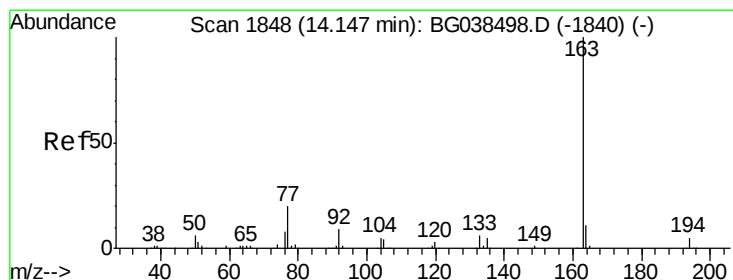
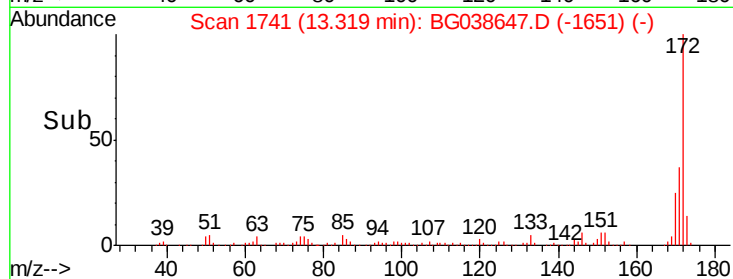
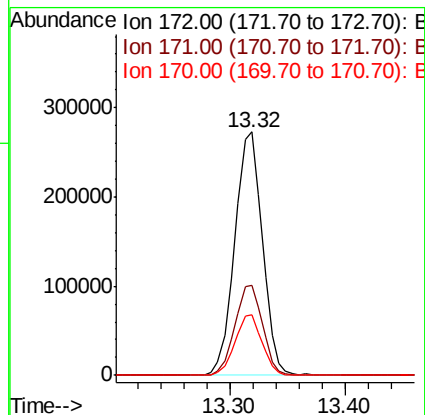
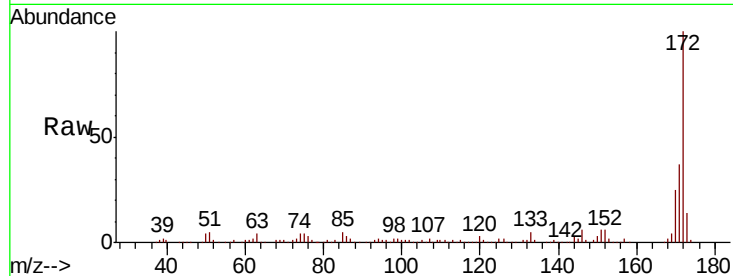




#45
2-Fluorobiphenyl
Concen: 96.675 ng
RT: 13.32 min Scan# 1741
Delta R.T. 0.00 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

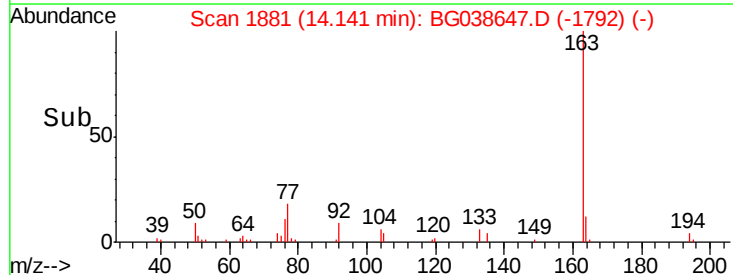
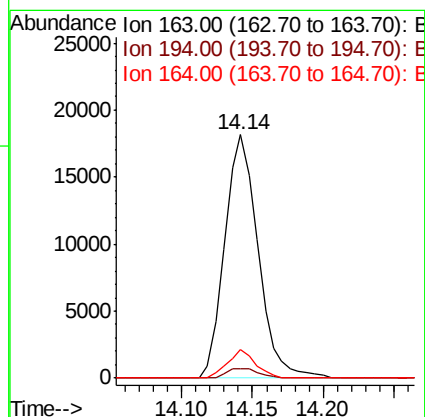
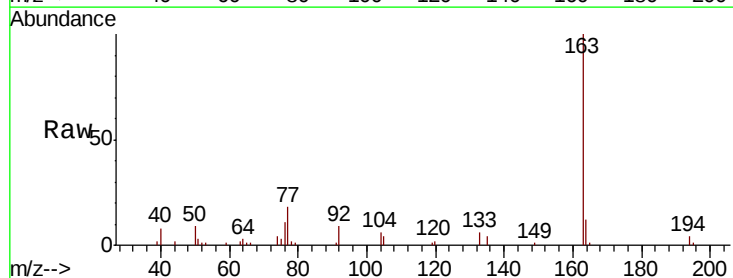
Instrument :
BNA_G
ClientSampleId :

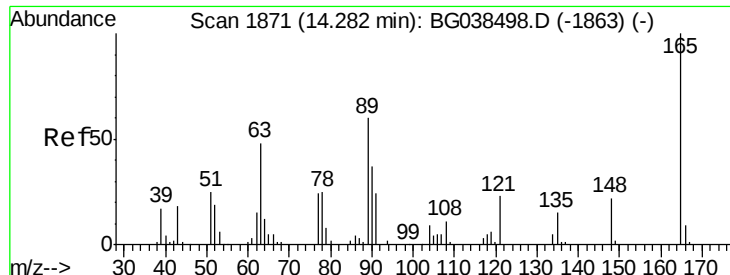
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	24.8	19.5	29.3



#50
Dimethylphthalate
Concen: 5.709 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.7	5.5
164	11.6	8.6	12.8

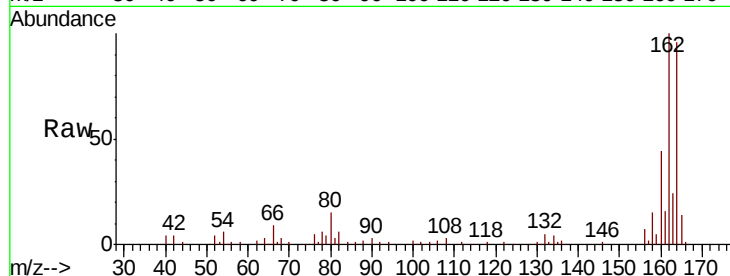




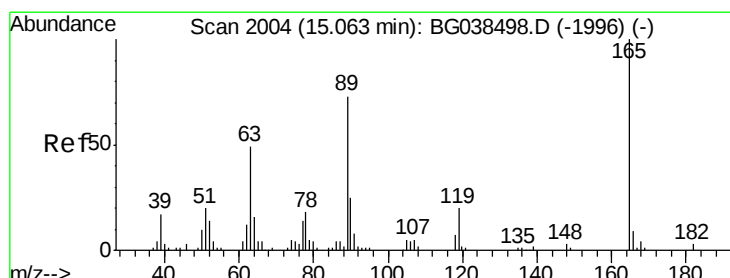
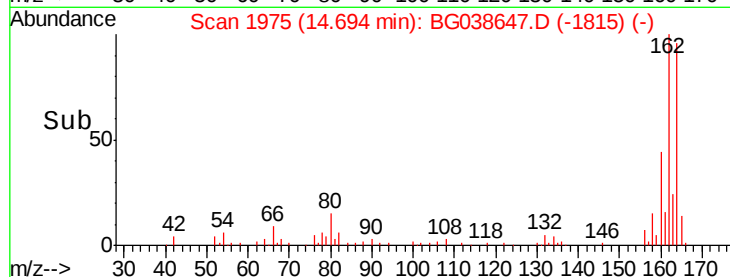
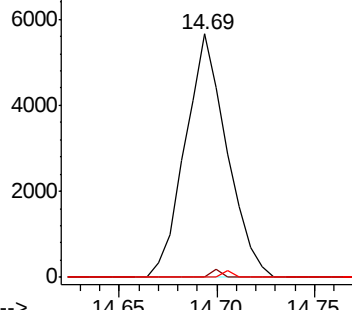
#51
 2,6-Dinitrotoluene
 Concen: 7.036 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038647.D
 Acq: 16 Dec 2018 19:25

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#



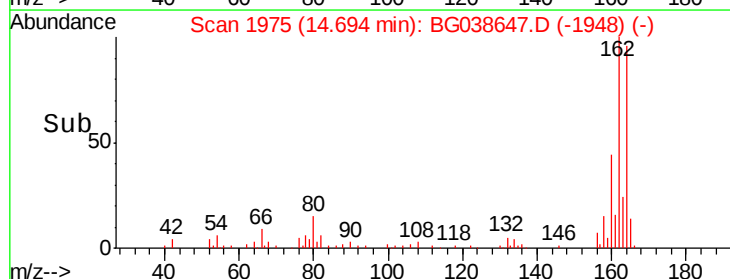
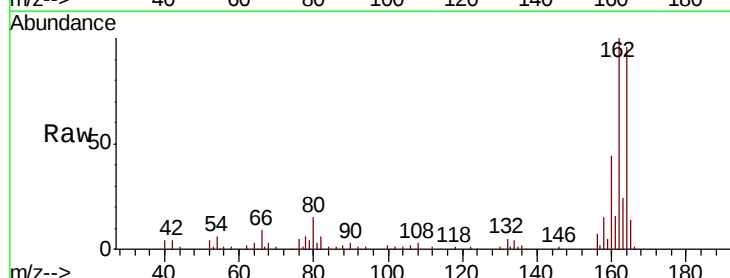
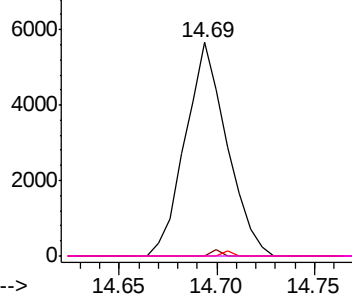
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

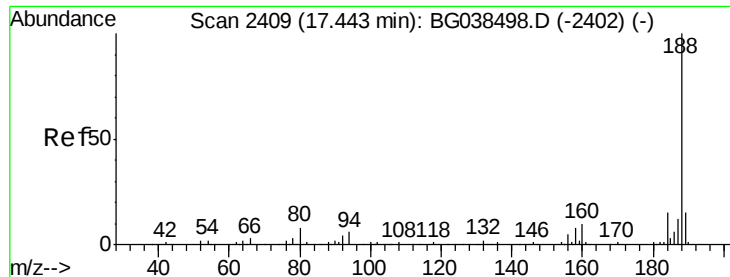


#57
 2,4-Dinitrotoluene
 Concen: 4.996 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038647.D
 Acq: 16 Dec 2018 19:25

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

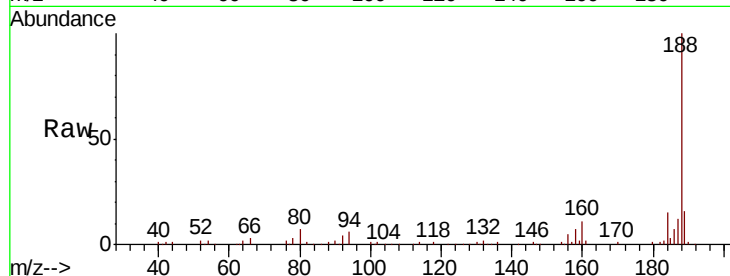




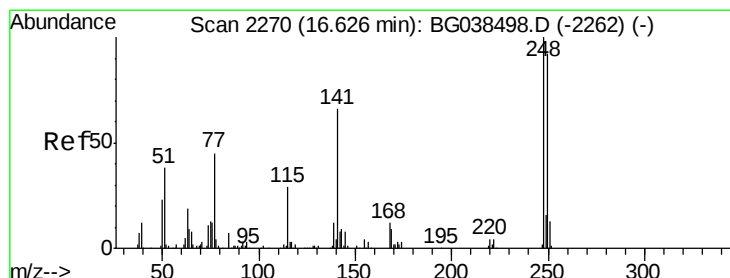
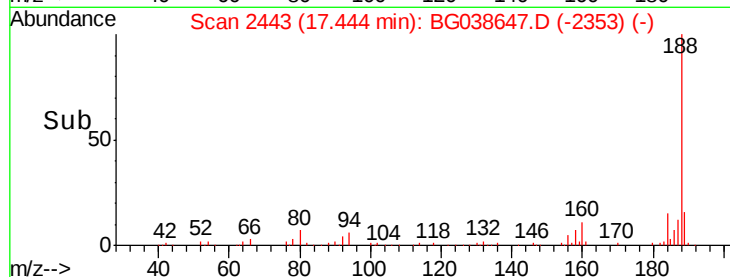
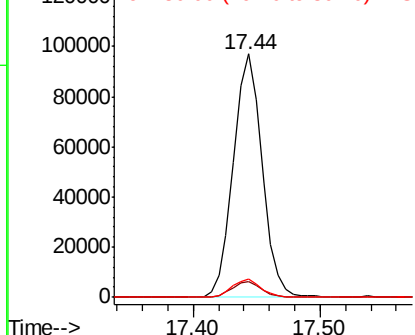
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 152570
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 7.3 6.1 9.1

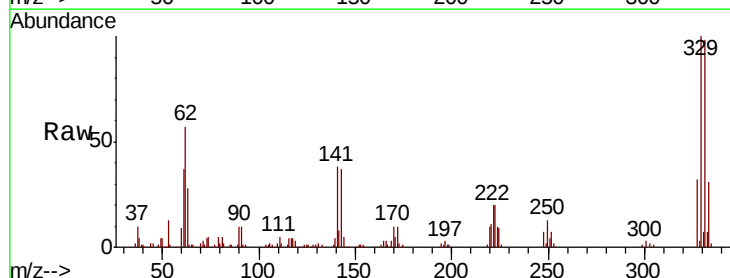


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

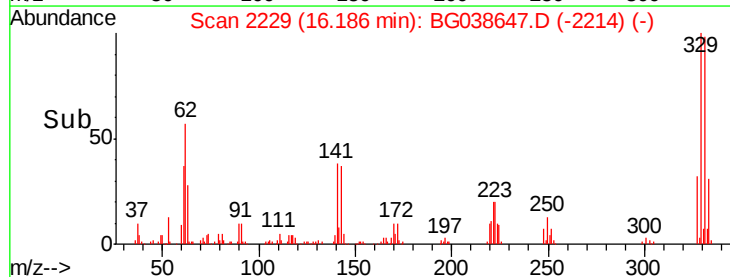
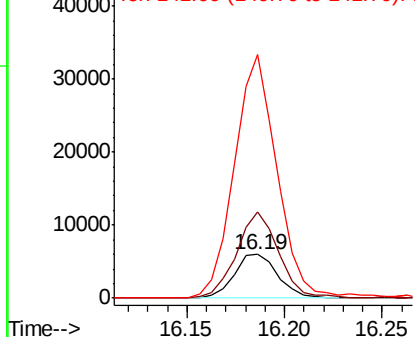


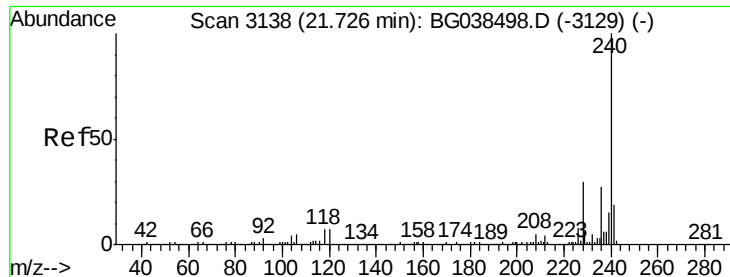
#67
4-Bromophenyl-phenylether
Concen: 4.919 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038647.D
Acq: 16 Dec 2018 19:25

Tgt Ion:248 Resp: 9165
Ion Ratio Lower Upper
248 100
250 199.7 73.4 110.2#
141 428.2 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

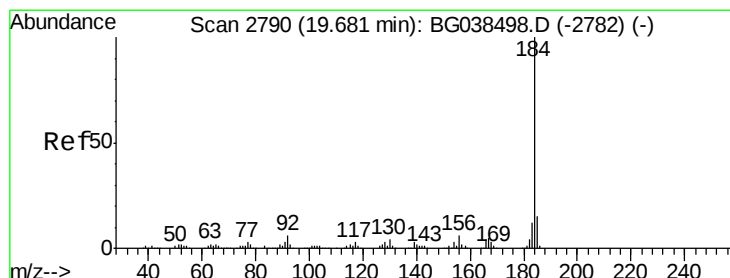
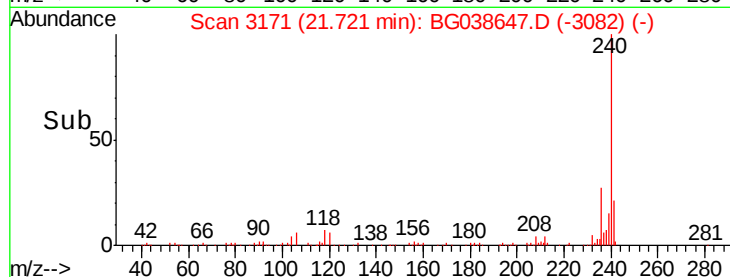
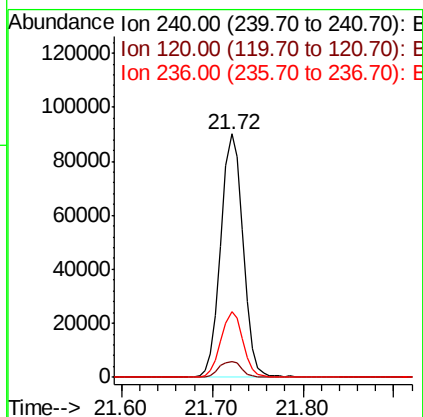
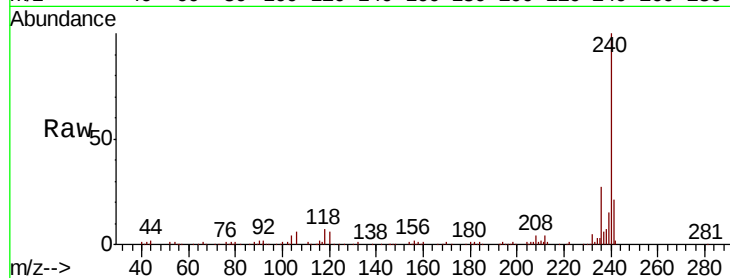




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038647.D
 Acq: 16 Dec 2018 19:25

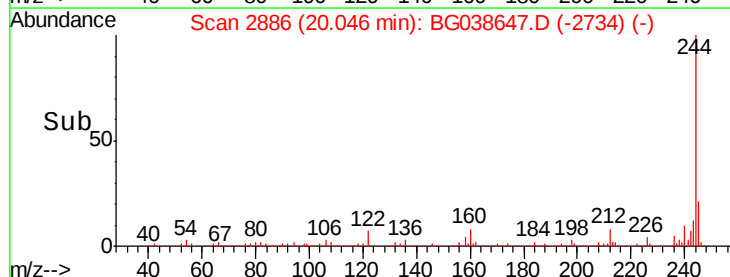
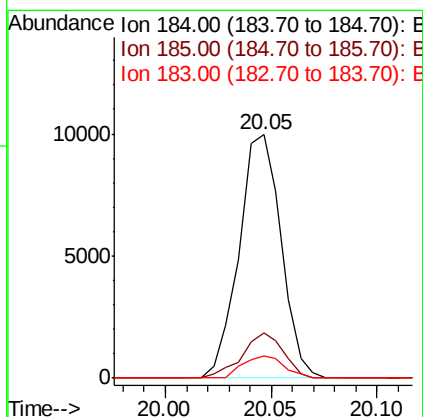
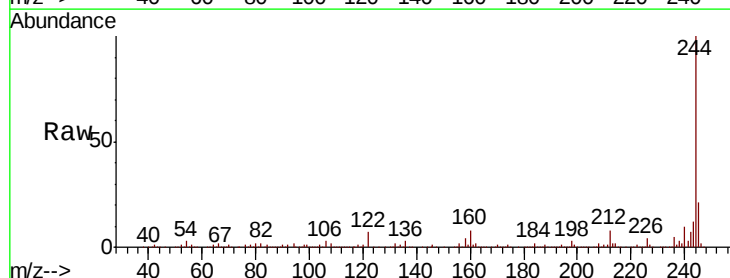
Instrument :
 BNA_G
 ClientSampleId :

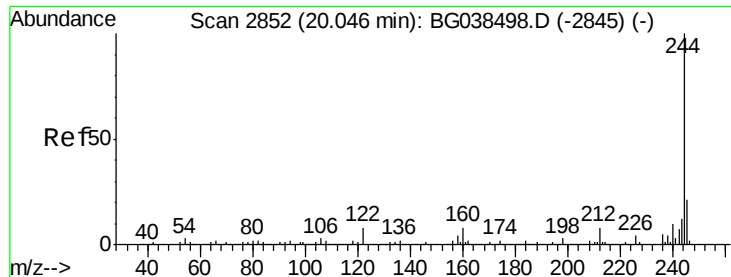
Tot Ion:240 Resp: 153883
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.3 7.9
 236 27.0 21.4 32.2



#77
 Benzidine
 Concen: 3.021 ng
 RT: 20.05 min Scan# 2886
 Delta R.T. 0.37 min
 Lab File: BG038647.D
 Acq: 16 Dec 2018 19:25

Tgt Ion:184 Resp: 13748
 Ion Ratio Lower Upper
 184 100
 185 18.7 12.2 18.2#
 183 9.2 9.6 14.4#





#79

Terphenyl-d14

Concen: 105.157 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

Instrument :

BNA_G

ClientSampleId :

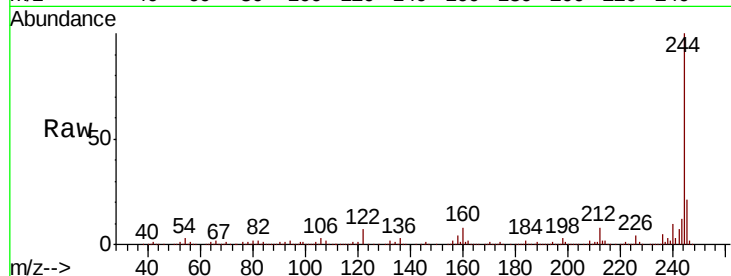
Tot Ion:244 Resp: 743540

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

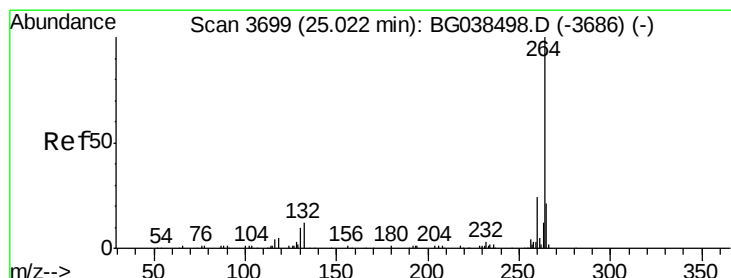
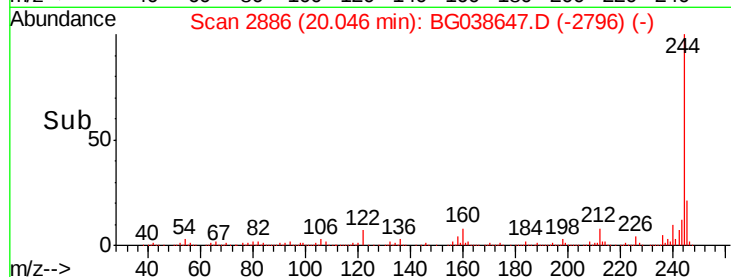
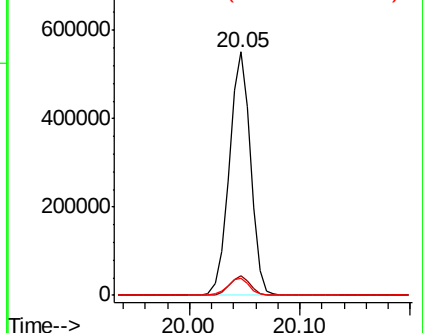
122 7.2 6.3 9.5



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# 3732

Delta R.T. -0.01 min

Lab File: BG038647.D

Acq: 16 Dec 2018 19:25

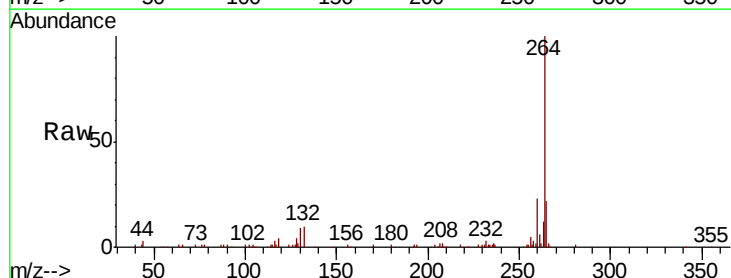
Tgt Ion:264 Resp: 164769

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 22.0 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

