

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038648.D
 Acq On : 16 Dec 2018 20:05
 Operator : JU/SJ
 Sample : J6424-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:52:13 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

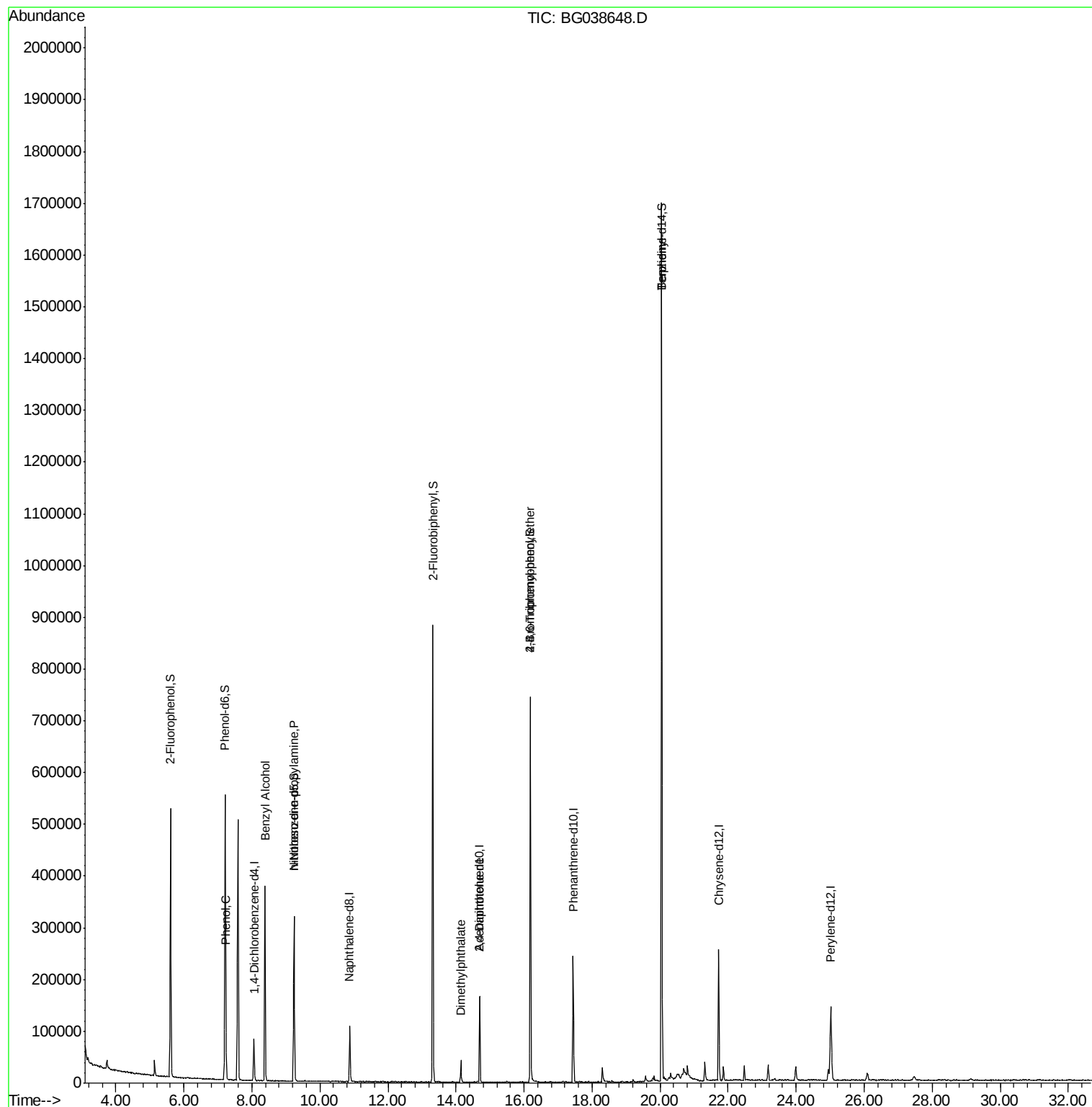
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22349	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	92568	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	62134	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	155828	20.00	ng	0.00
76) Chrysene-d12	21.72	240	158188	20.00	ng	0.00
87) Perylene-d12	25.02	264	171929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	214901	170.55	ng	0.00
7) Phenol-d6	7.21	99	297391	171.92	ng	0.00
23) Nitrobenzene-d5	9.24	82	194783	107.50	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	142921	166.90	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	474658	104.80	ng	0.00
79) Terphenyl-d14	20.05	244	811412	111.63	ng	0.00
Target Compounds						
10) Phenol	7.24	94	16401	8.924	ng	88
15) Benzyl Alcohol	8.38	79	3317	2.457	ng	# 37
19) n-Nitroso-di-n-propylamine	9.24	70	26296	21.644	ng	# 70
50) Dimethylphthalate	14.14	163	31933	6.293	ng	99
57) 2,4-Dinitrotoluene	14.69	165	7794	4.812	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9651	5.071	ng	# 1
77) Benzidine	20.05	184	15868	3.392	ng	# 91

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

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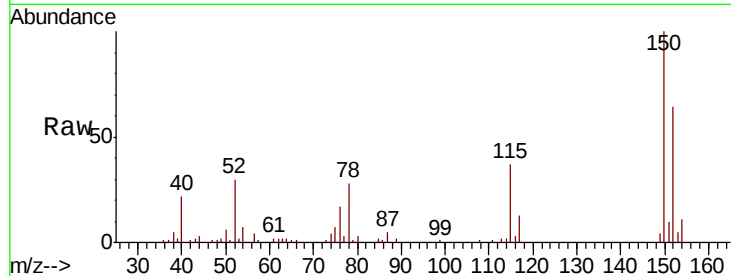


#1

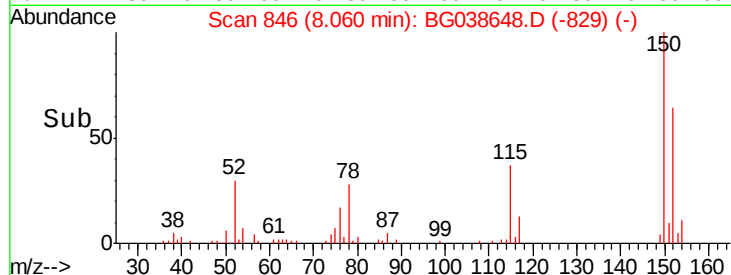
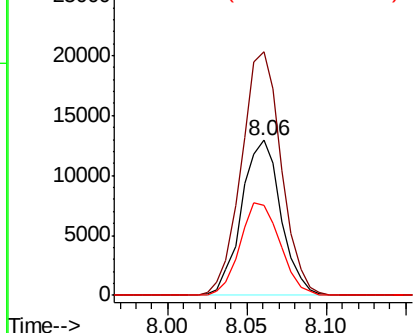
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22349
Ion Ratio Lower Upper
152 100
150 157.3 119.5 179.3
115 58.1 49.6 74.4



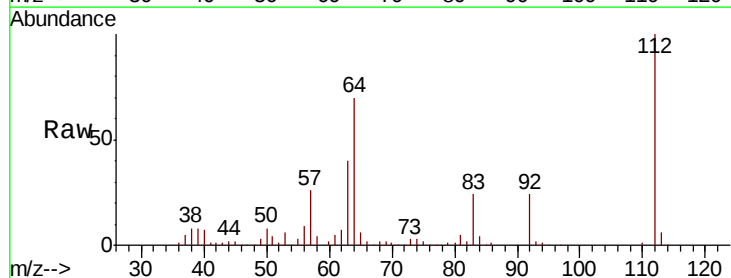
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



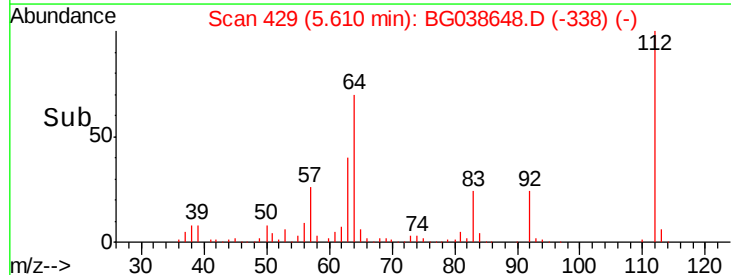
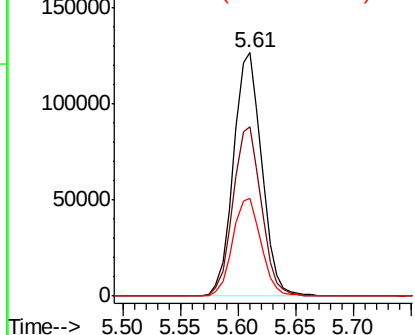
#5

2-Fluorophenol
Concen: 170.549 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Tgt Ion:112 Resp: 214901
Ion Ratio Lower Upper
112 100
64 69.6 53.4 80.2
63 40.1 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: 171.921 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

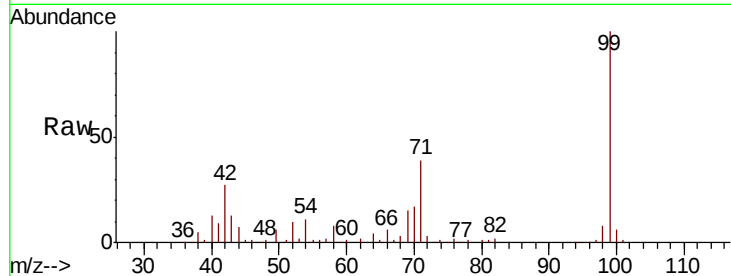
Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Instrument :
BNA_G
ClientSampled :

Tot Ion: 99 Resp: 297391

Ion	Ratio	Lower	Upper
99	100		
42	26.6	18.5	27.7
71	39.3	31.1	46.7

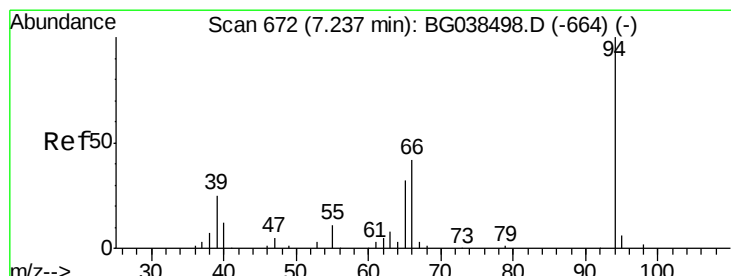
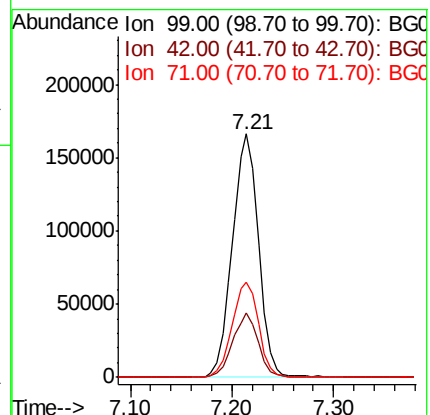
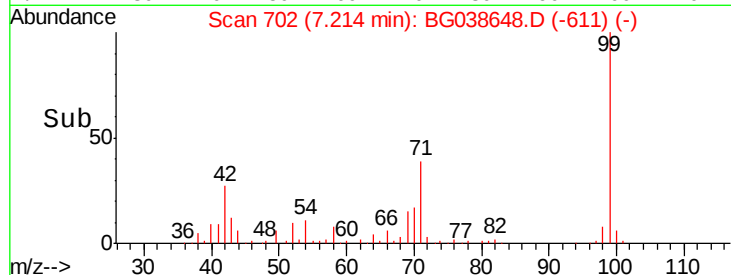


Abundance

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: 8.924 ng

RT: 7.24 min Scan# 706

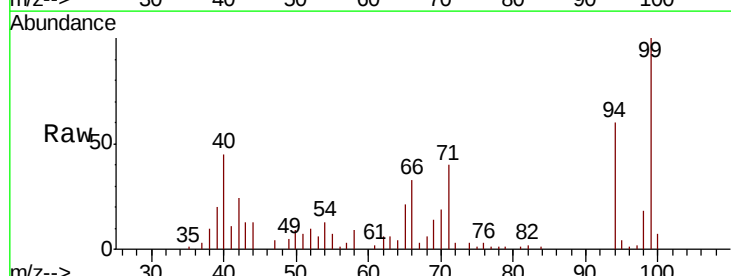
Delta R.T. 0.00 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Tgt Ion: 94 Resp: 16401

Ion	Ratio	Lower	Upper
94	100		
65	35.4	12.6	52.6
66	55.4	24.1	64.1

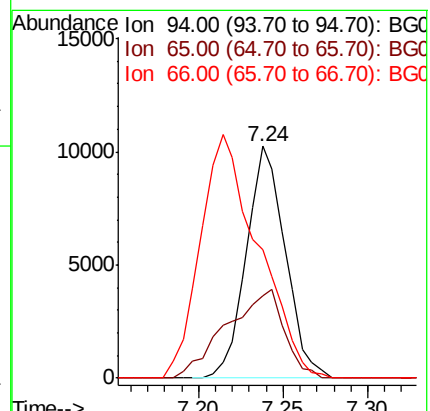
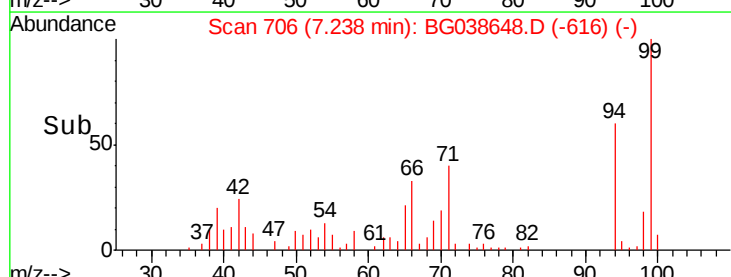


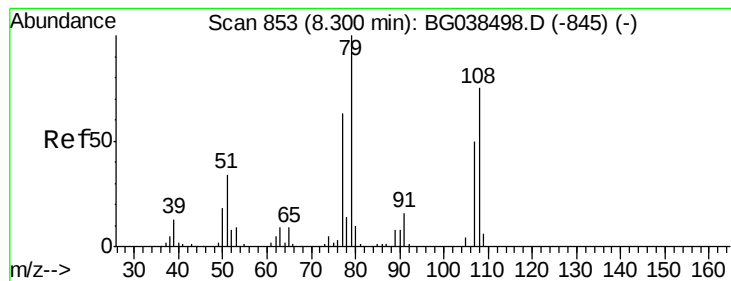
Abundance

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: 2.457 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Instrument :

BNA_G

ClientSampleId :

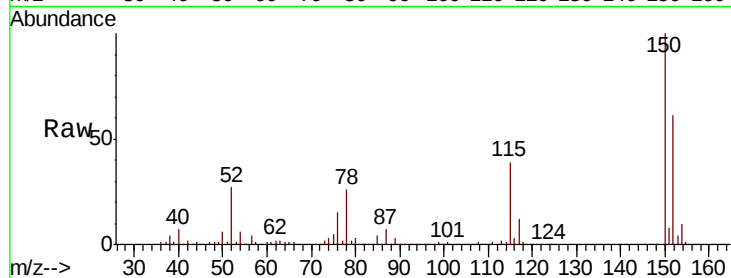
Tot Ion: 79 Resp: 3317

Ion Ratio Lower Upper

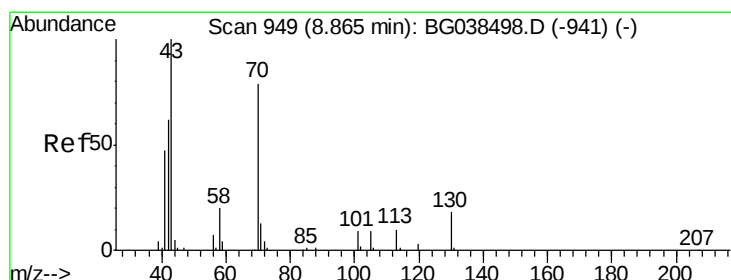
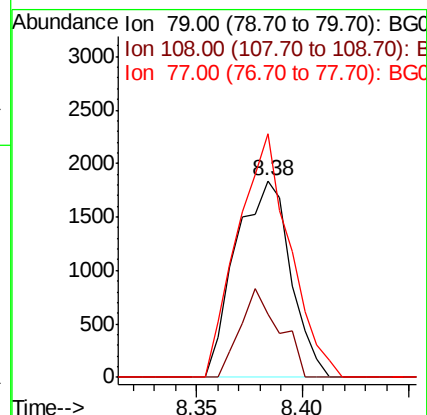
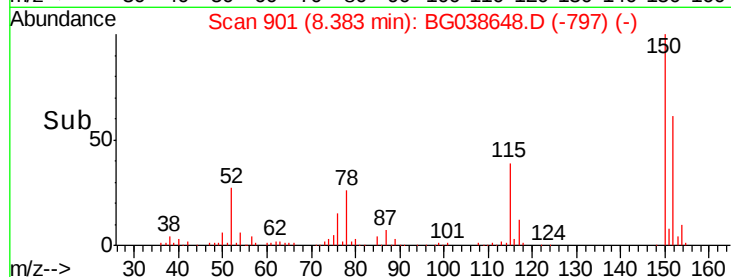
79 100

108 31.9 60.2 90.4#

77 123.7 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: 21.644 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.38 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Tgt Ion: 70 Resp: 26296

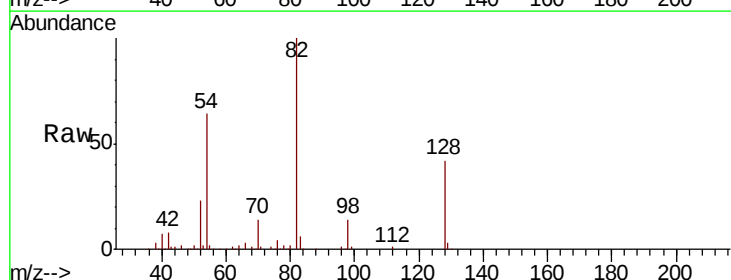
Ion Ratio Lower Upper

70 100

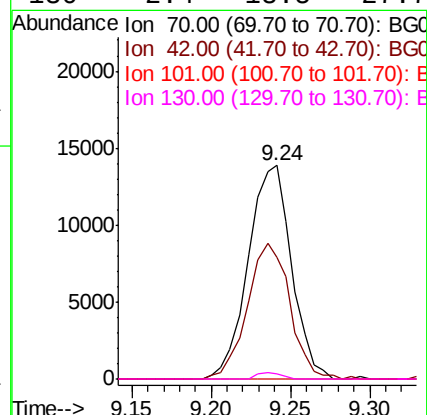
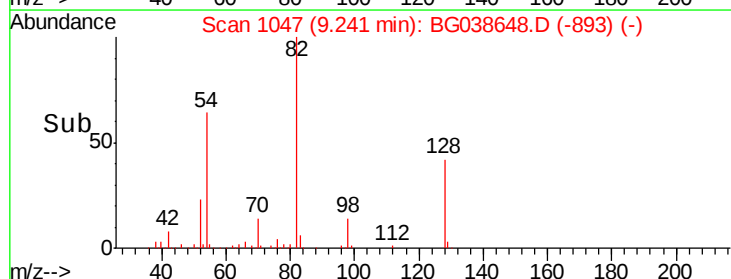
42 56.8 63.6 95.4#

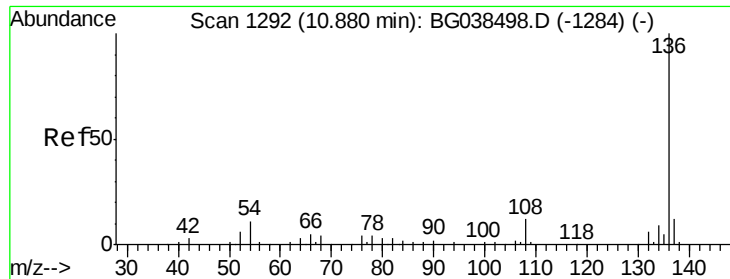
101 0.0 9.2 13.8#

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

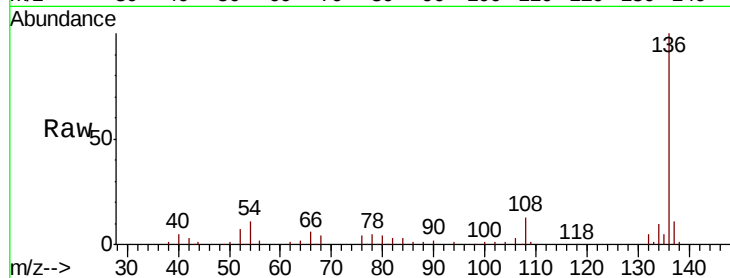




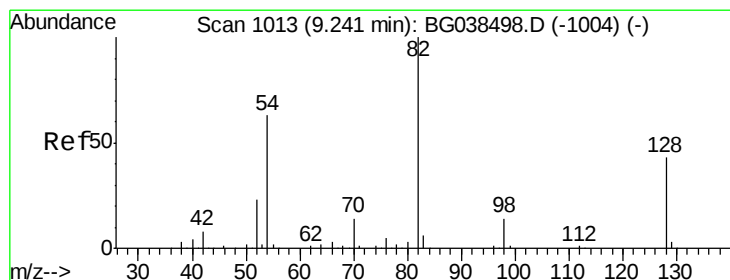
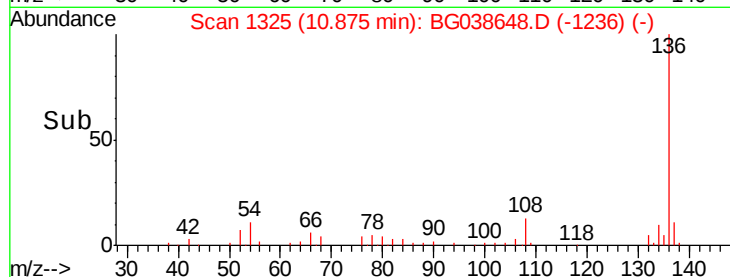
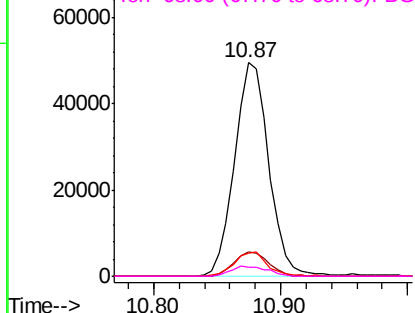
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92568
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.3 13.9
54	11.1	8.5 12.7
68	4.1	3.5 5.3

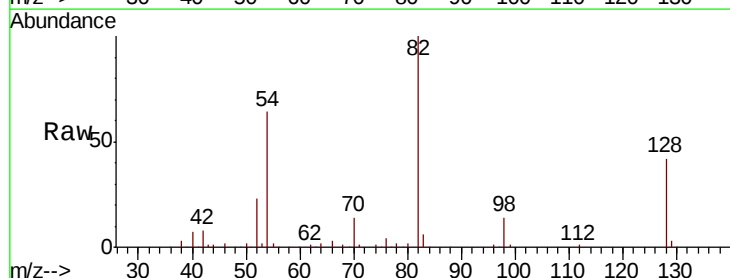


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

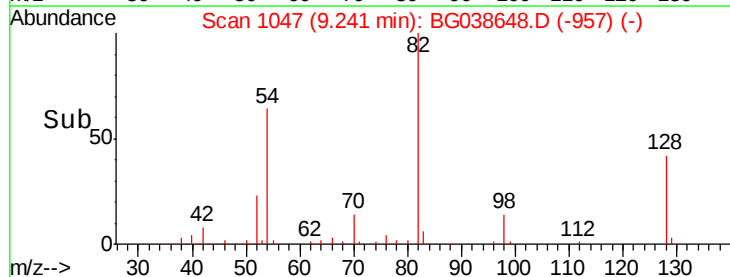
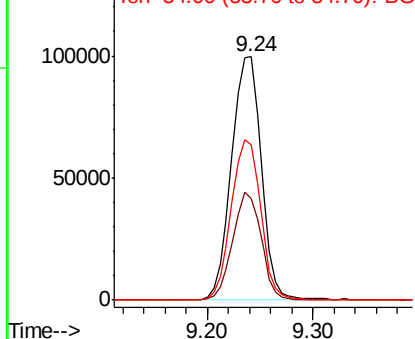


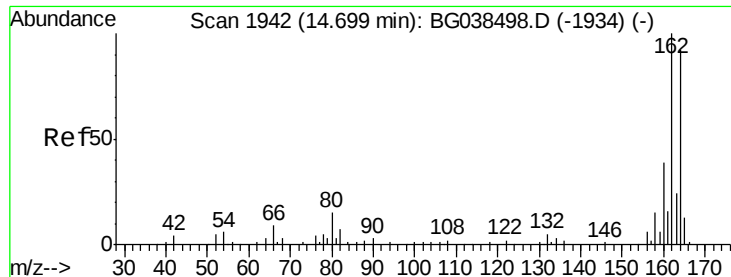
#23
Nitrobenzene-d5
Concen: 107.498 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Tgt Ion: 82	Resp:	194783
Ion Ratio	Lower	Upper
82	100	
128	41.8	34.6 52.0
54	64.0	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: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Instrument :

BNA_G

ClientSampleId :

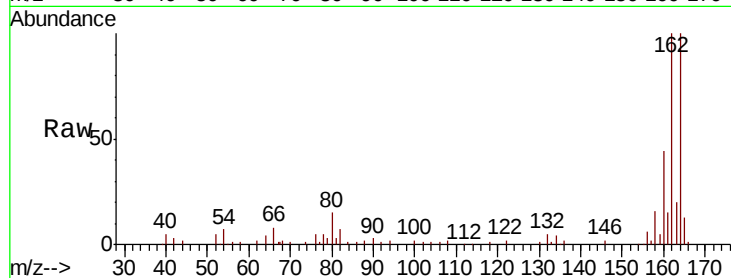
Tot Ion:164 Resp: 62134

Ion Ratio Lower Upper

164 100

162 99.6 86.6 130.0

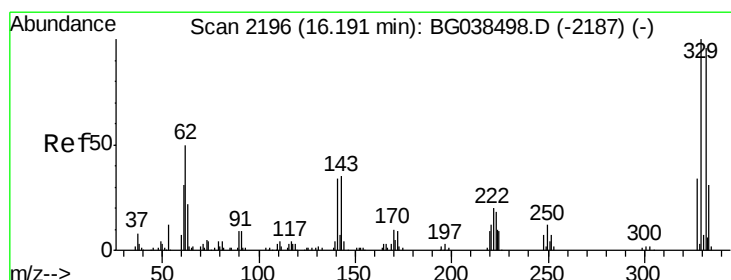
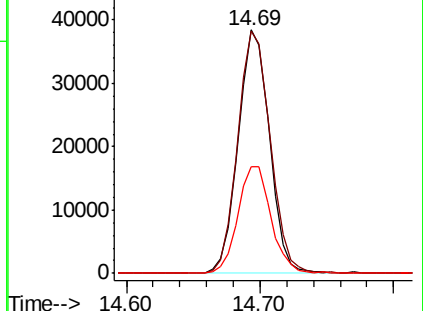
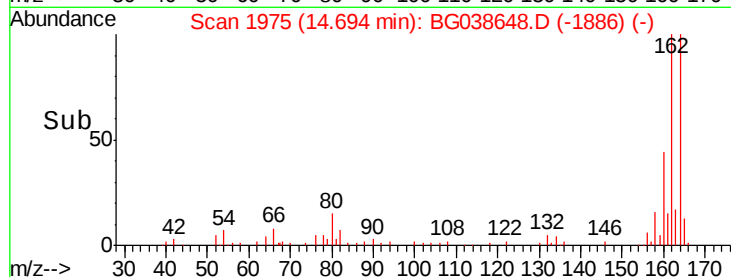
160 43.8 34.2 51.2



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: 166.902 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

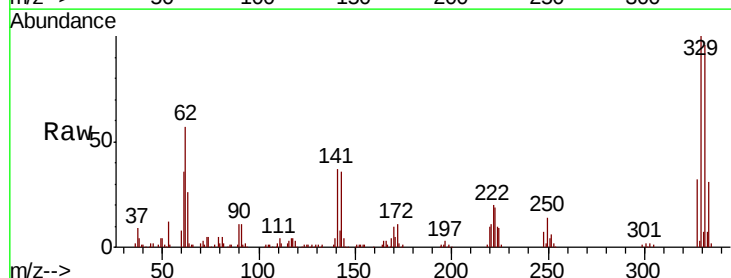
Tgt Ion:330 Resp: 142921

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

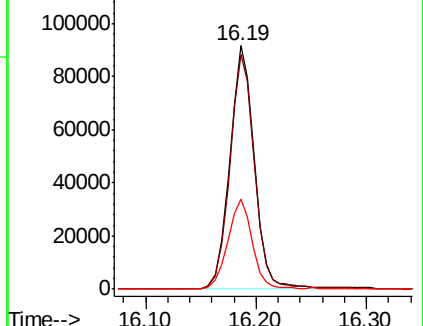
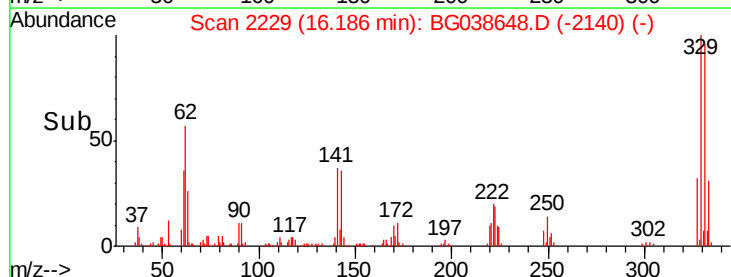
141 37.0 28.8 43.2

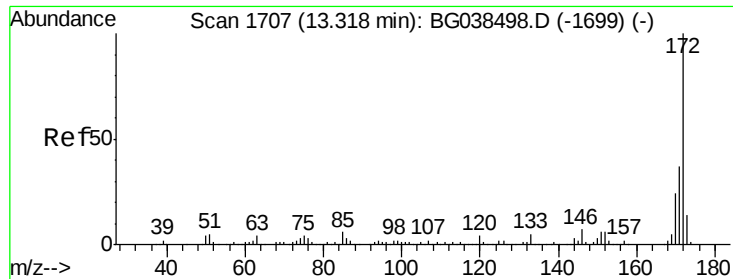


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

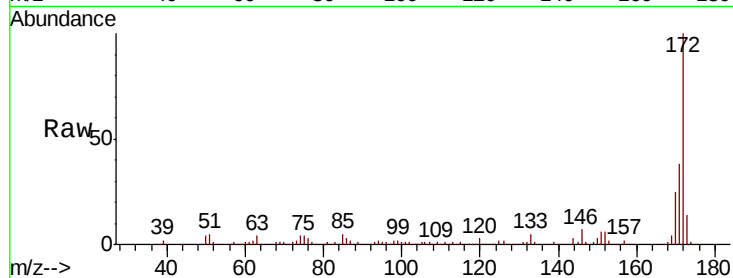




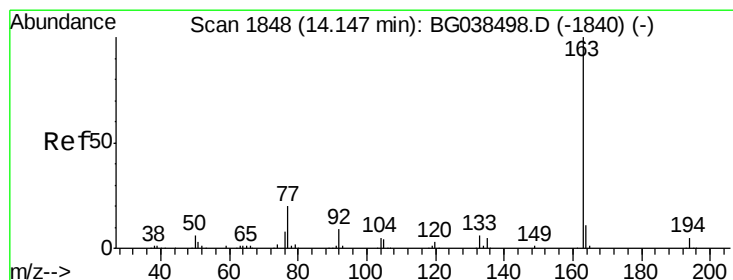
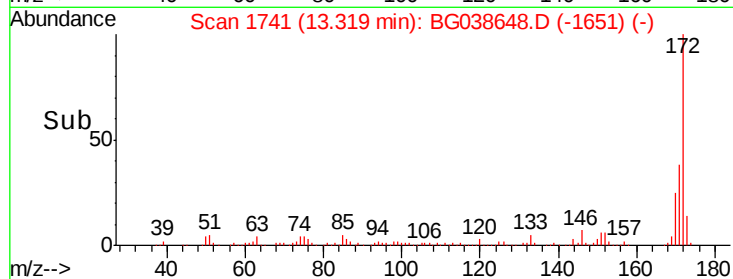
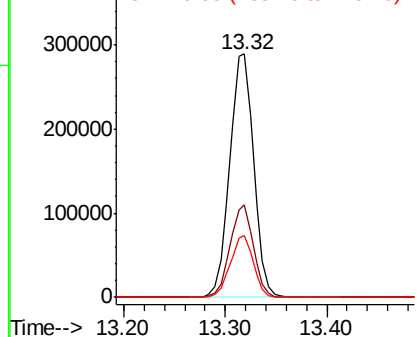
#45
2-Fluorobiphenyl
Concen: 104.799 ng
RT: 13.32 min Scan# 1741
Delta R.T. 0.00 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 474658
Ion Ratio Lower Upper
172 100
171 38.2 29.8 44.6
170 25.3 19.5 29.3

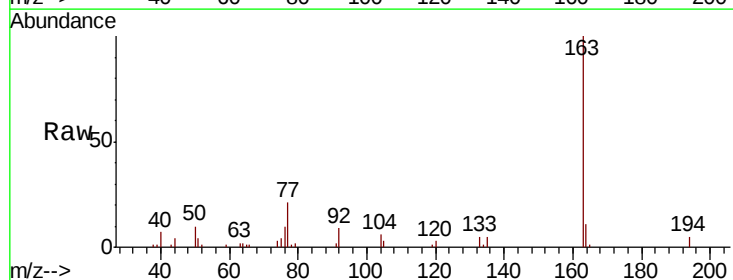


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

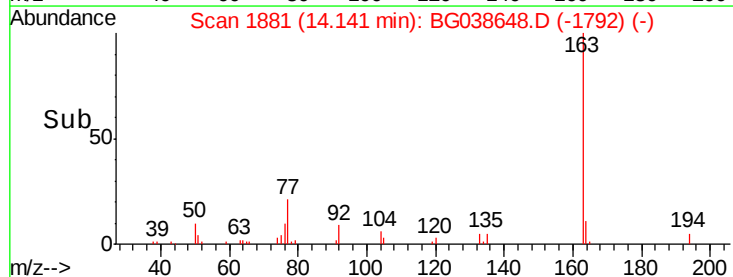
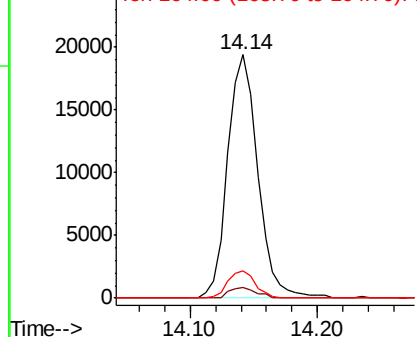


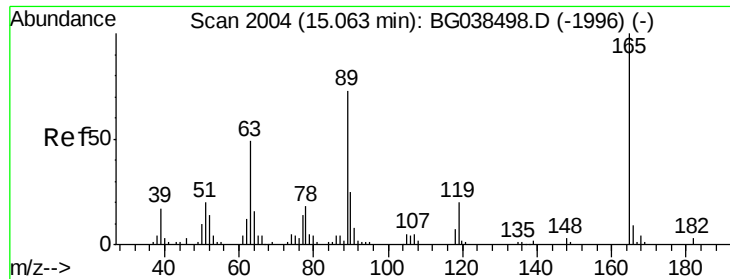
#50
Dimethylphthalate
Concen: 6.293 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038648.D
Acq: 16 Dec 2018 20:05

Tgt Ion:163 Resp: 31933
Ion Ratio Lower Upper
163 100
194 4.6 3.7 5.5
164 11.4 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

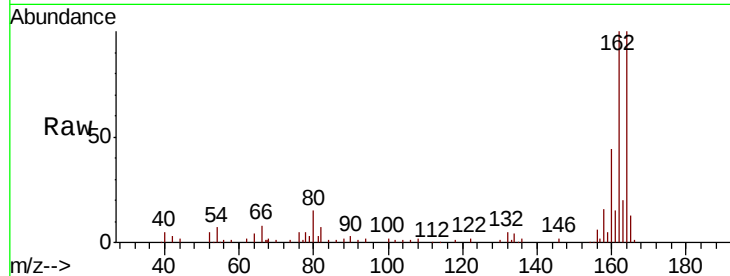




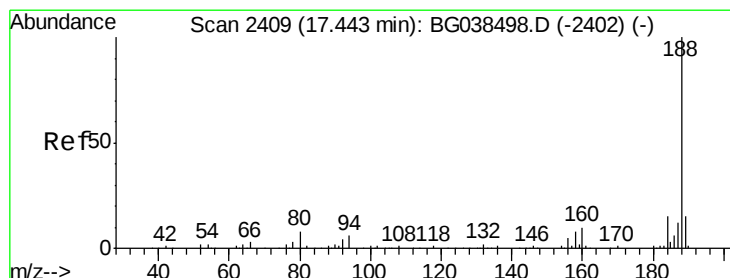
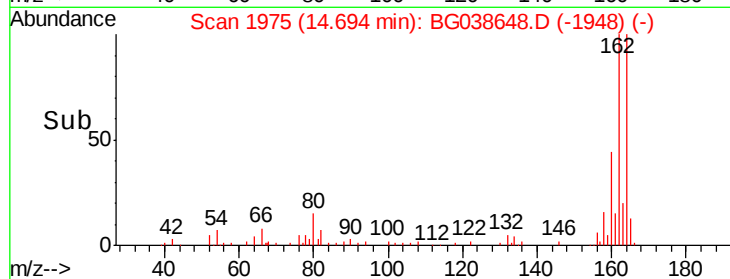
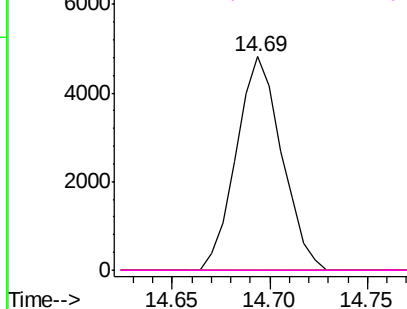
#57
 2,4-Dinitrotoluene
 Concen: 4.812 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038648.D
 Acq: 16 Dec 2018 20:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	7794
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#

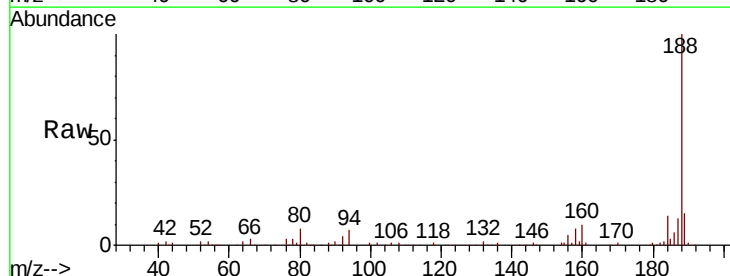


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

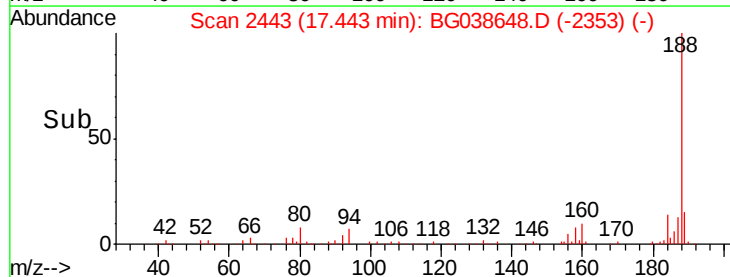
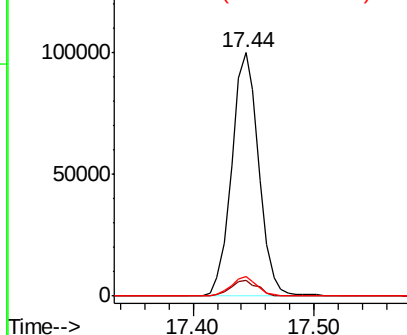


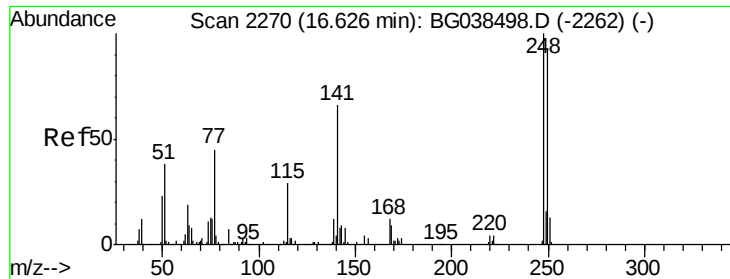
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038648.D
 Acq: 16 Dec 2018 20:05

Tgt Ion:	188	Resp:	155828
Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.1	7.7
80	8.2	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

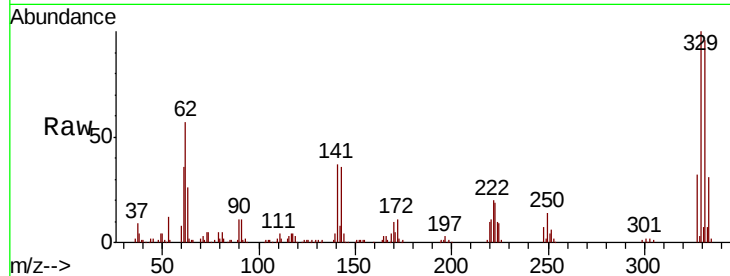




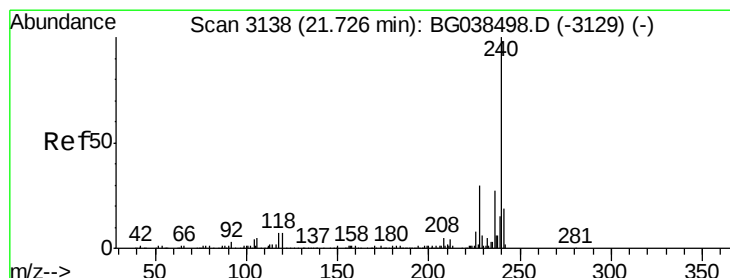
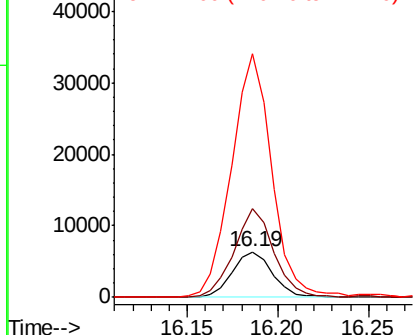
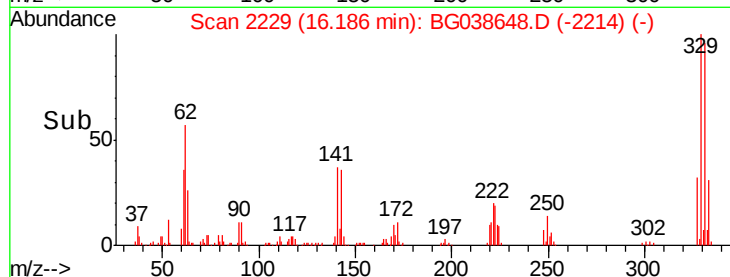
#67
 4-Bromophenyl-phenylether
 Concen: 5.071 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038648.D
 Acq: 16 Dec 2018 20:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 9651
 Ion Ratio Lower Upper
 248 100
 250 186.1 73.4 110.2#
 141 401.6 52.9 79.3#

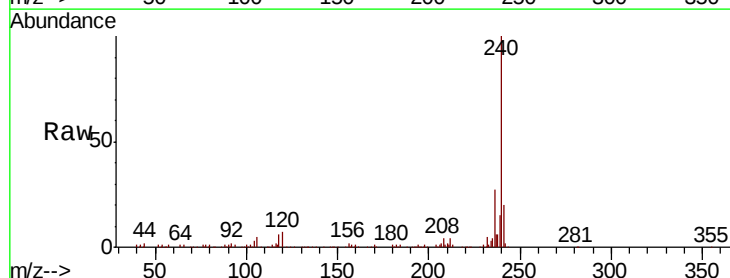


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

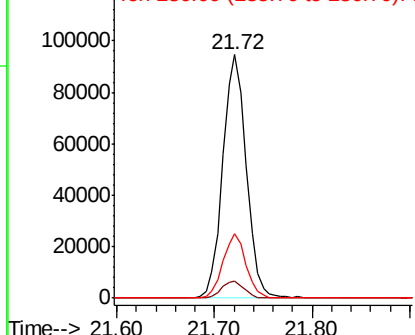
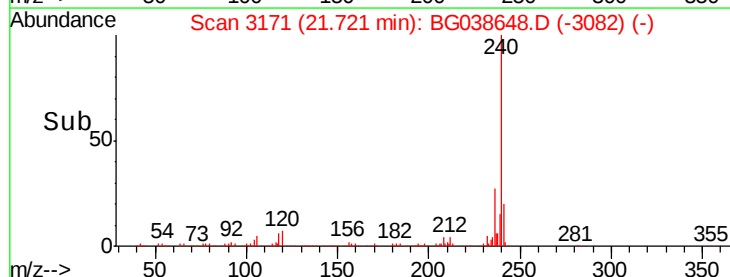


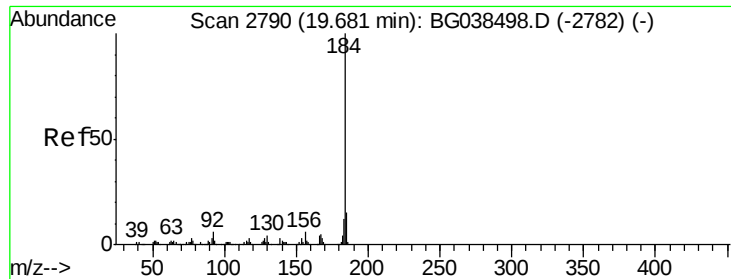
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038648.D
 Acq: 16 Dec 2018 20:05

Tgt Ion:240 Resp: 158188
 Ion Ratio Lower Upper
 240 100
 120 6.9 5.3 7.9
 236 26.5 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: 3.392 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

Instrument :

BNA_G

ClientSampleId :

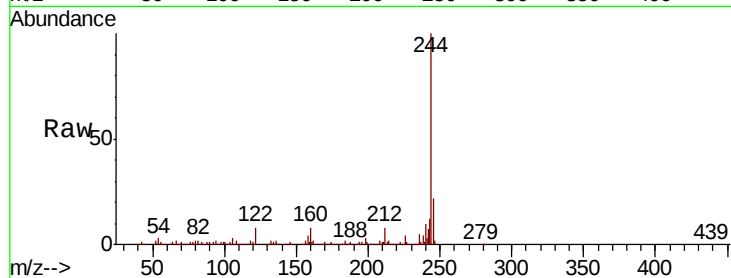
Tot Ion:184 Resp: 15868

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

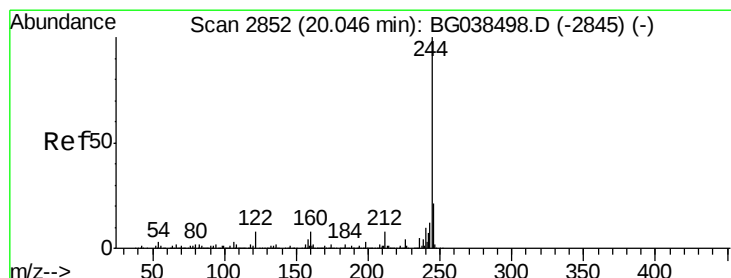
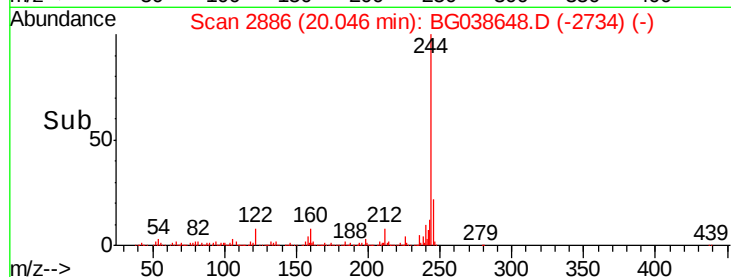
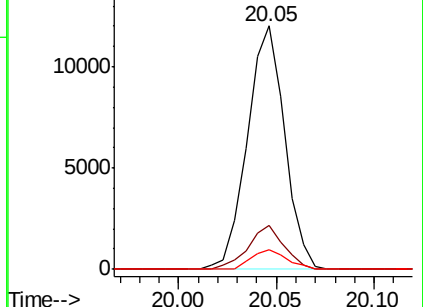
183 7.9 9.6 14.4#



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: 111.633 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038648.D

Acq: 16 Dec 2018 20:05

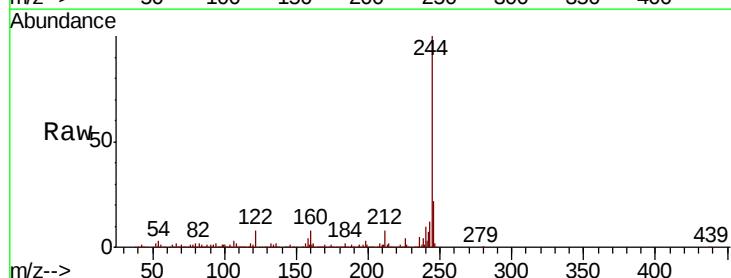
Tgt Ion:244 Resp: 811412

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

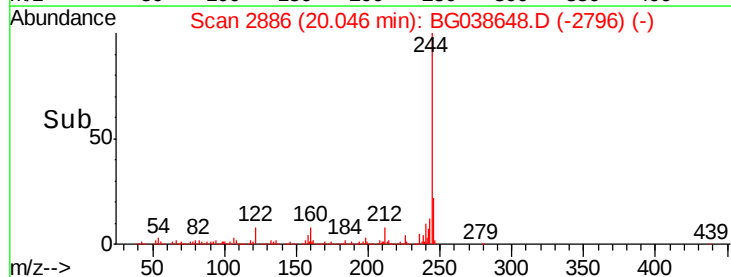
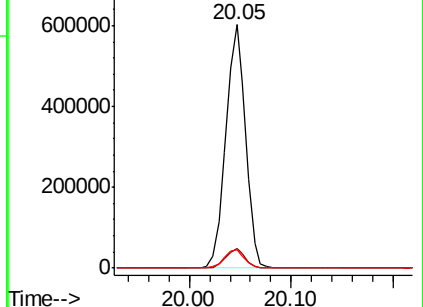
122 7.6 6.3 9.5

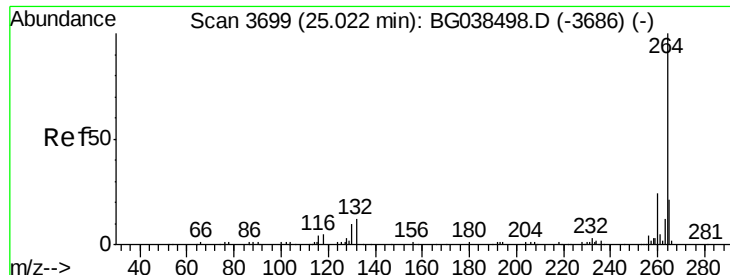


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3732
 Delta R.T. -0.01 min
 Lab File: BG038648.D
 Acq: 16 Dec 2018 20:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.9	28.3
265	20.5	17.0	25.4

