

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121818\
 Data File : BG038718.D
 Acq On : 19 Dec 2018 7:50
 Operator : JU/SJ
 Sample : PB115763TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 10:12:13 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

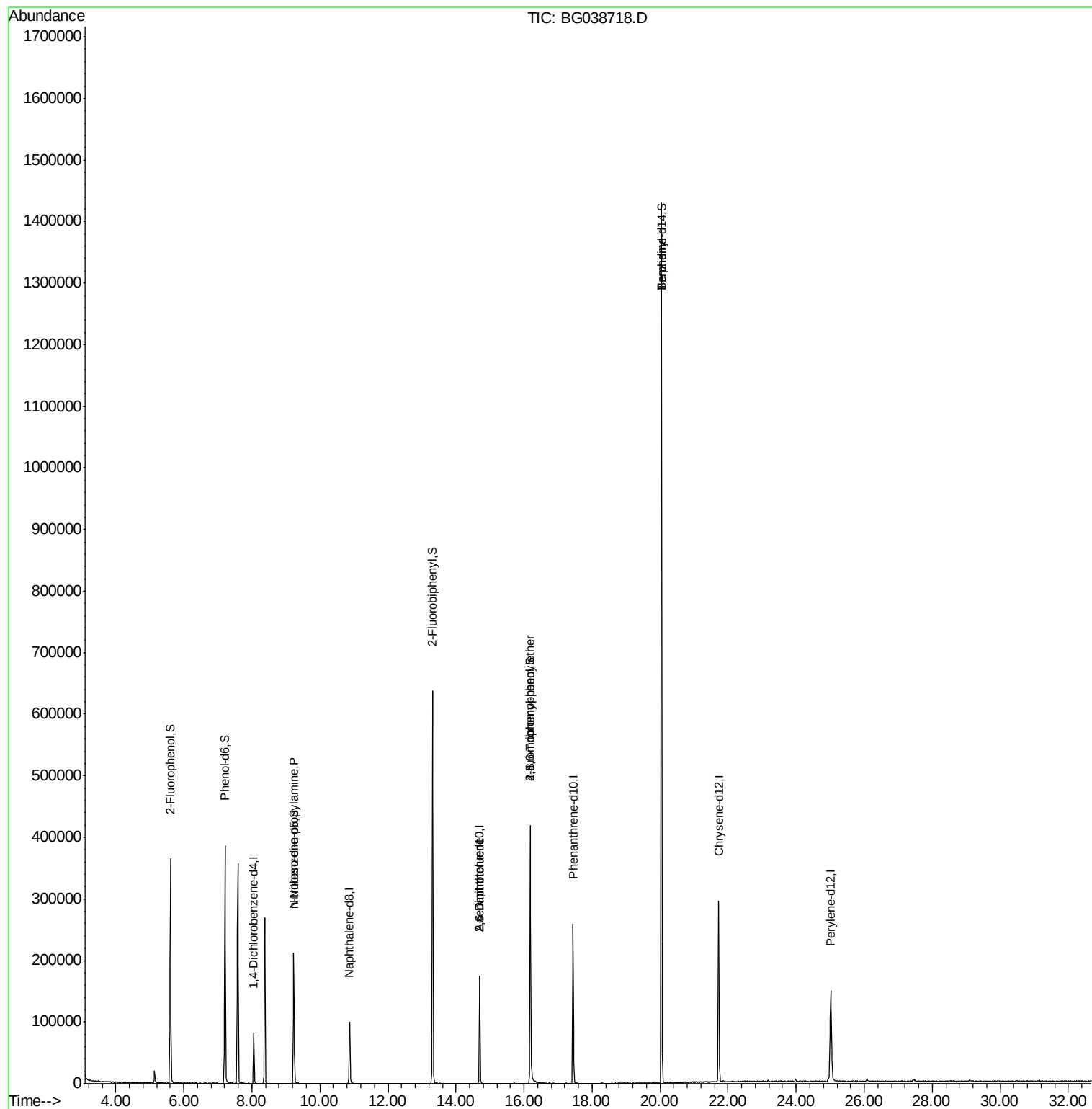
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23016	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	93166	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	65812	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	176040	20.00	ng	0.00
76) Chrysene-d12	21.72	240	193320	20.00	ng	0.00
87) Perylene-d12	25.02	264	197095	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	158070	121.81	ng	0.00
7) Phenol-d6	7.21	99	215153	120.77	ng	0.00
23) Nitrobenzene-d5	9.23	82	129763	71.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	96002	105.84	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	348177	72.58	ng	0.00
79) Terphenyl-d14	20.04	244	747584	84.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	16844	13.462	ng	# 64
51) 2,6-Dinitrotoluene	14.69	165	8348	6.854	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8348	4.866	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	6301	2.931	ng	# 1
77) Benzidine	20.04	184	12858	2.249	ng	# 95

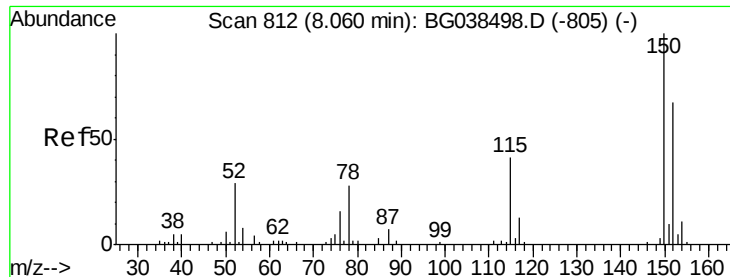
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



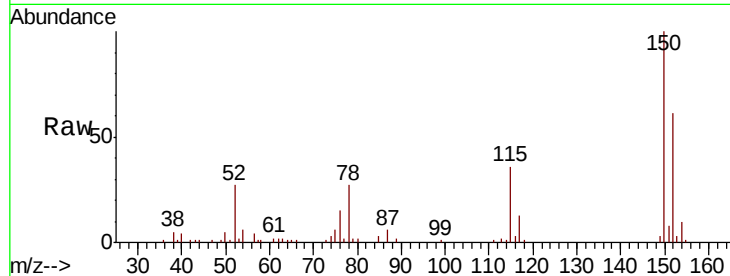


#1

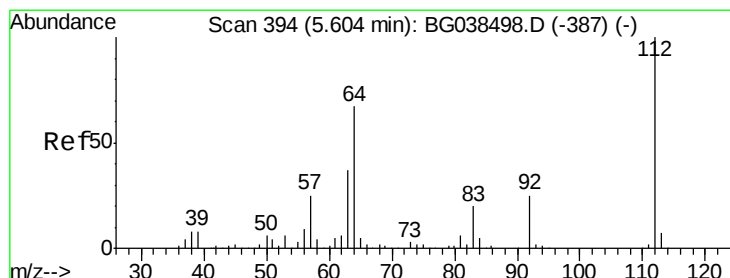
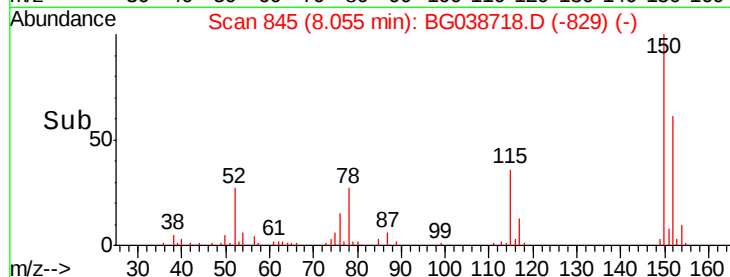
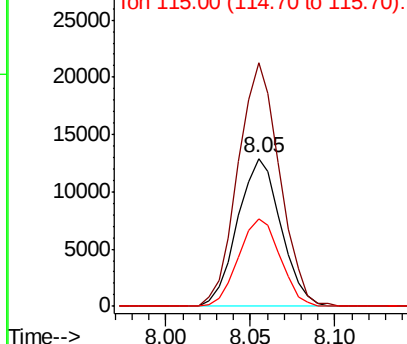
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23016
Ion Ratio Lower Upper
152 100
150 164.5 119.5 179.3
115 59.0 49.6 74.4



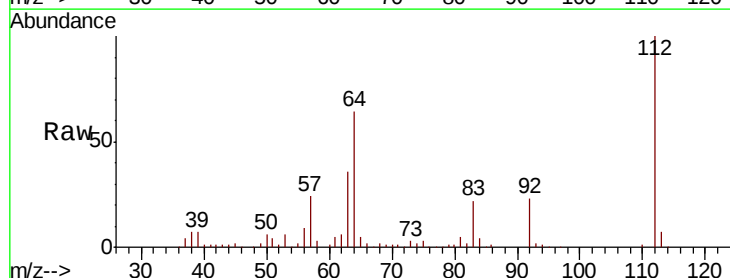
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



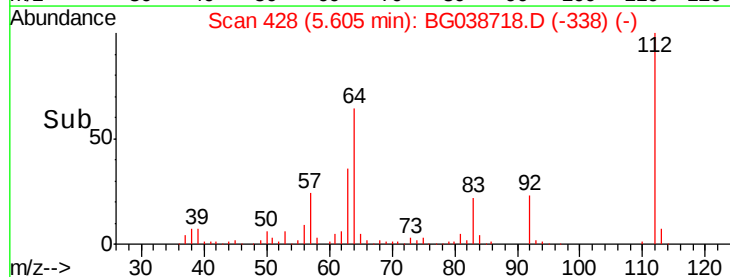
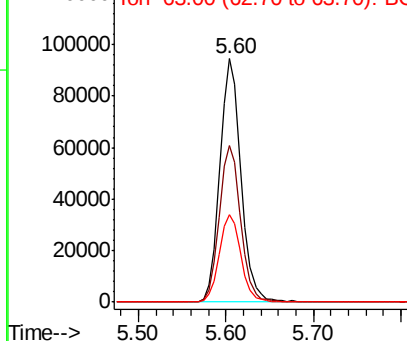
#5

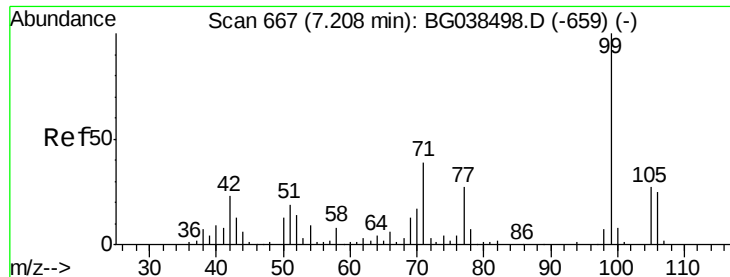
2-Fluorophenol
Concen: 121.811 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Tgt Ion:112 Resp: 158070
Ion Ratio Lower Upper
112 100
64 64.4 53.4 80.2
63 35.7 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: 120.775 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

Instrument :

BNA_G

ClientSampleId :

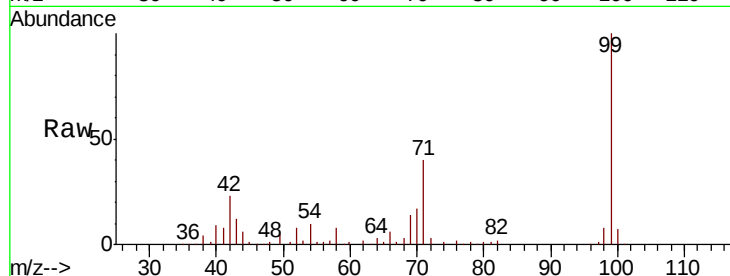
Tot Ion: 99 Resp: 215153

Ion Ratio Lower Upper

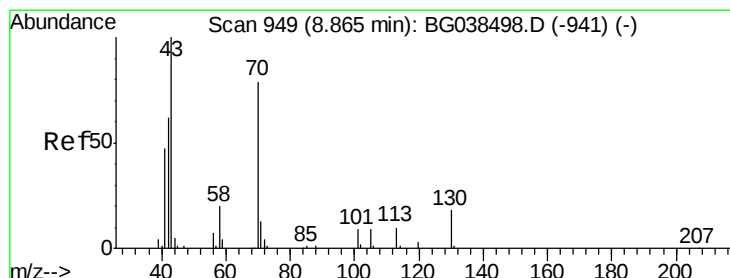
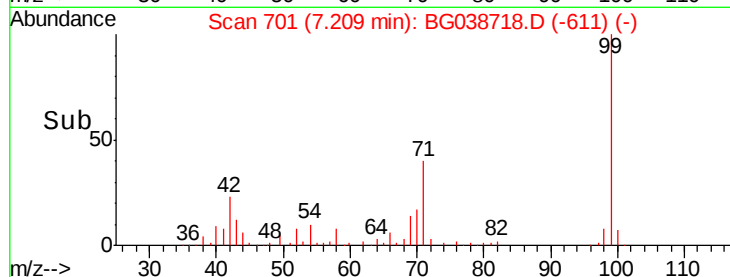
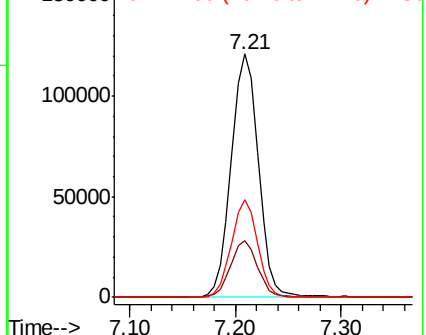
99 100

42 23.4 18.5 27.7

71 39.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.462 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

Tgt Ion: 70 Resp: 16844

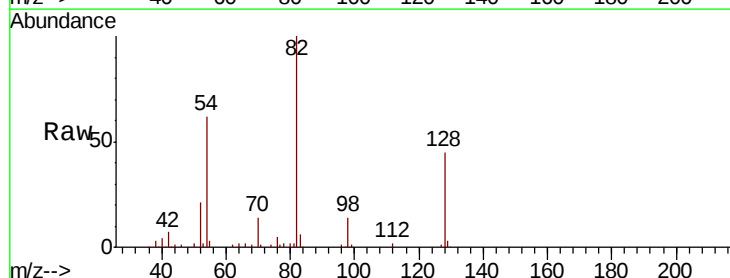
Ion Ratio Lower Upper

70 100

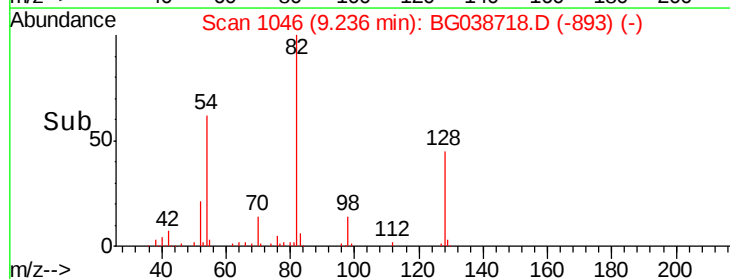
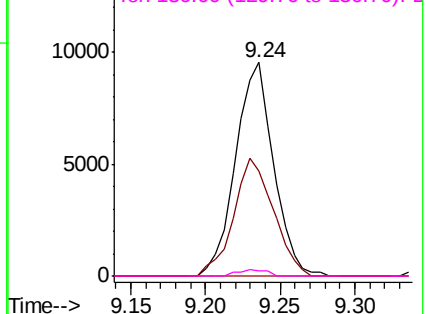
42 49.3 63.6 95.4#

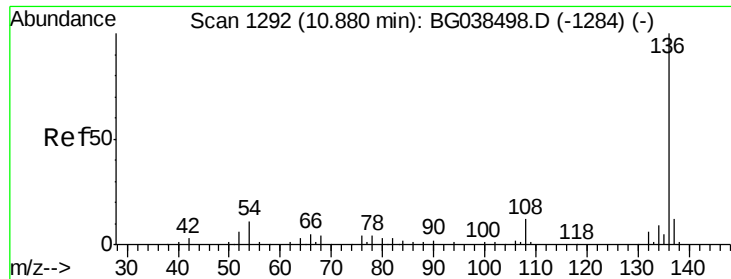
101 0.0 9.2 13.8#

130 2.3 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

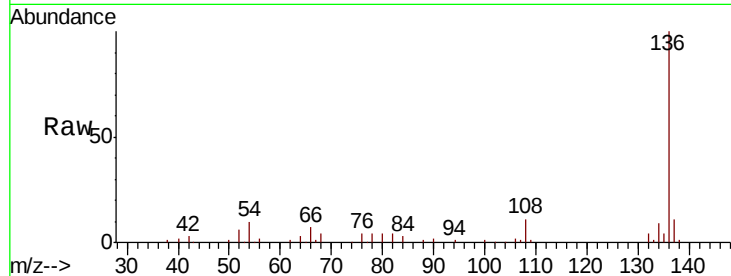




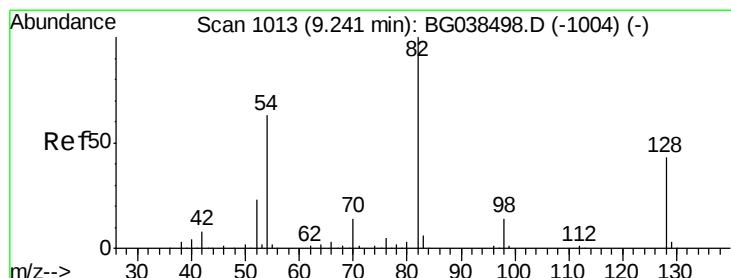
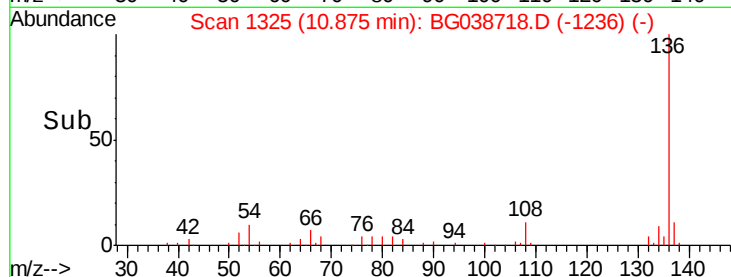
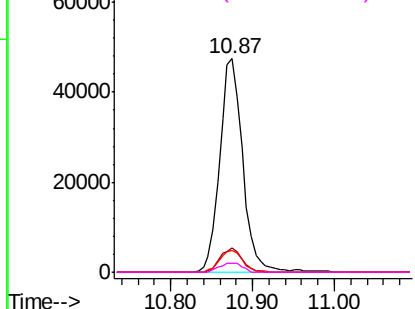
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	93166
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	10.0	8.5 12.7
68	4.4	3.5 5.3

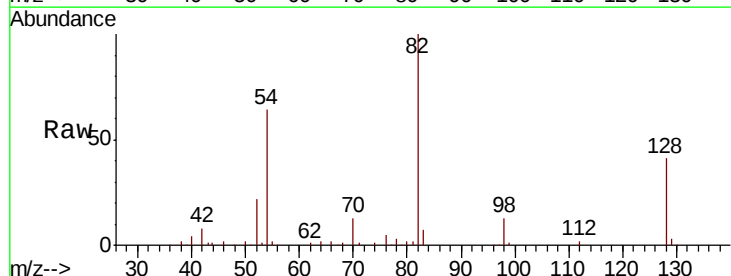


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

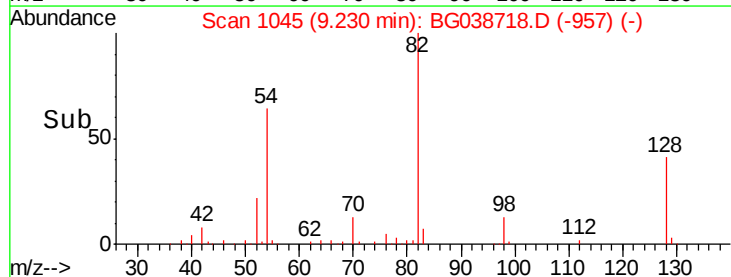
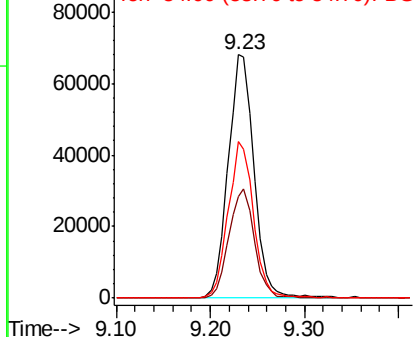


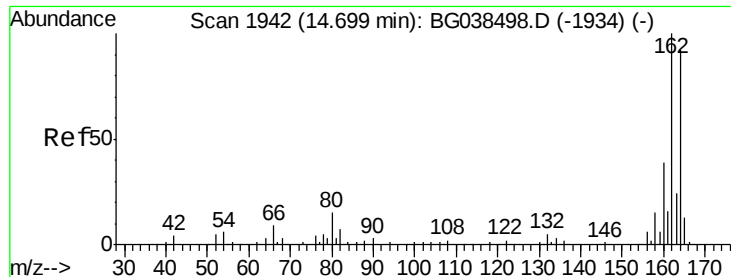
#23
Nitrobenzene-d5
Concen: 71.155 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Tgt Ion: 82	Resp:	129763
Ion Ratio	Lower	Upper
82	100	
128	41.4	34.6 52.0
54	64.4	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. -0.00 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

Instrument :

BNA_G

ClientSampled :

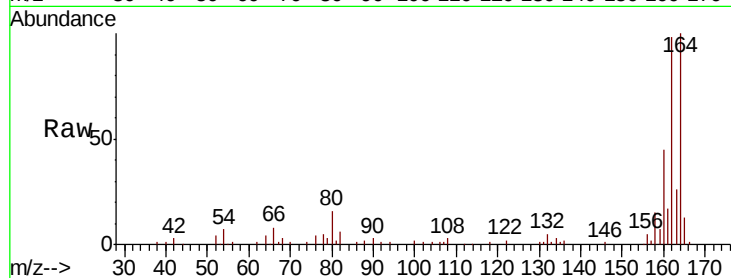
Tot Ion:164 Resp: 65812

Ion Ratio Lower Upper

164 100

162 98.0 86.6 130.0

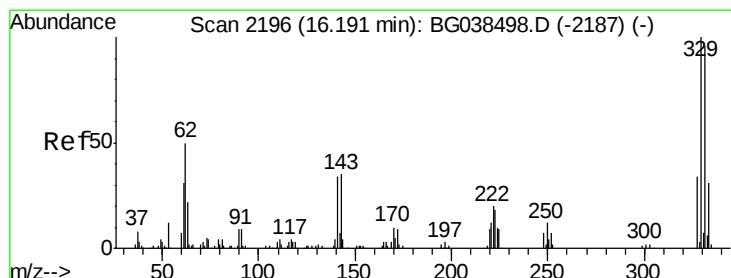
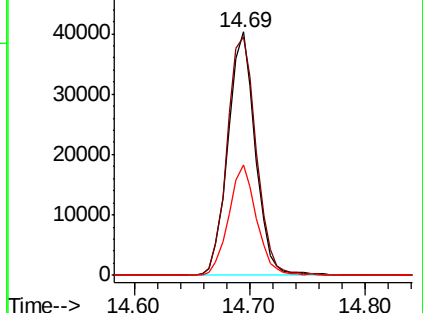
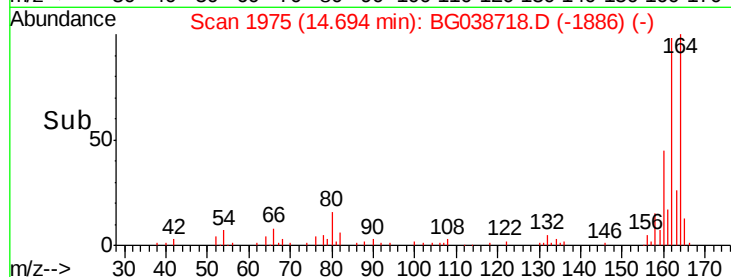
160 45.2 34.2 51.2



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: 105.845 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

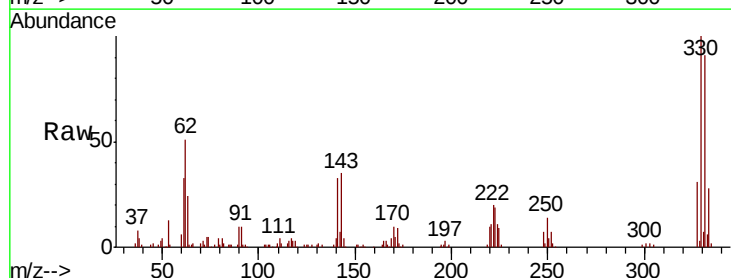
Tgt Ion:330 Resp: 96002

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

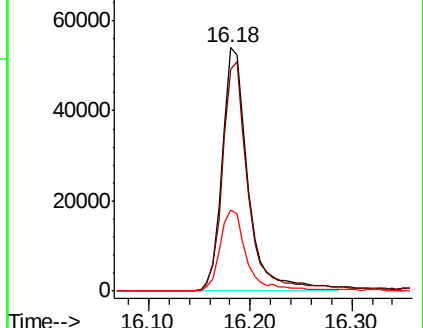
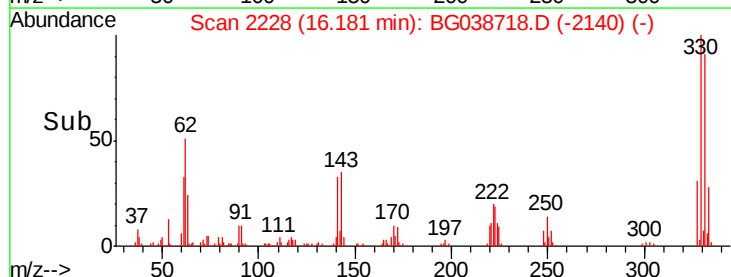
141 34.3 28.8 43.2

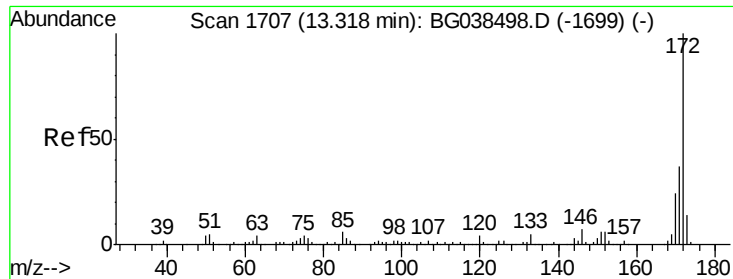


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 72.577 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038718.D

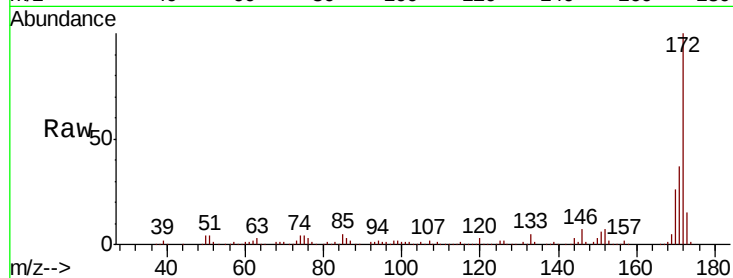
Acq: 19 Dec 2018 7:50

Instrument :

BNA_G

ClientSampled :

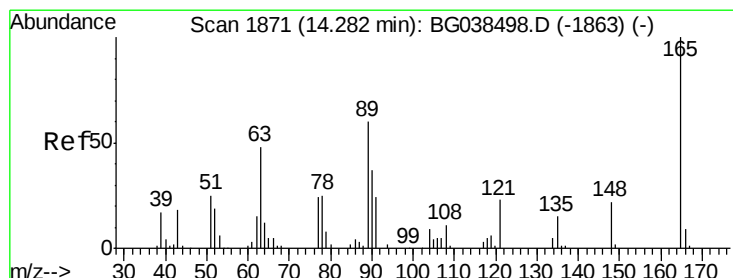
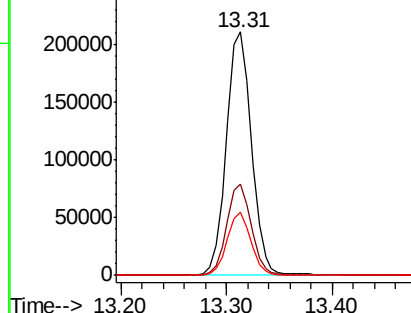
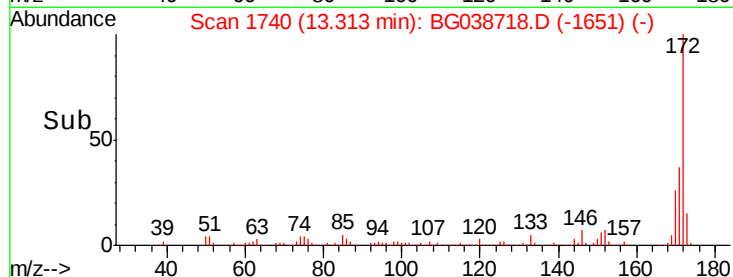
Tot Ion:	172	Resp:	348177
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	25.7	19.5	29.3



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: 6.854 ng

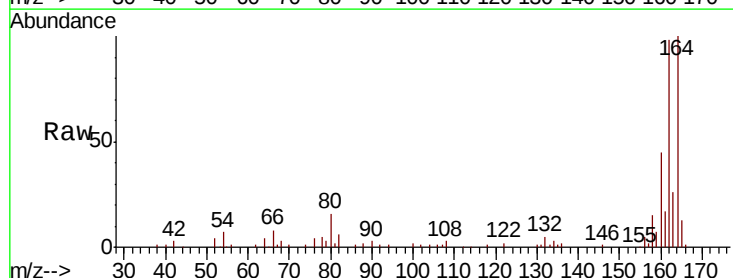
RT: 14.69 min Scan# 1975

Delta R.T. 0.41 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

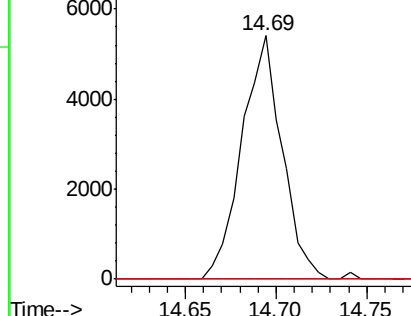
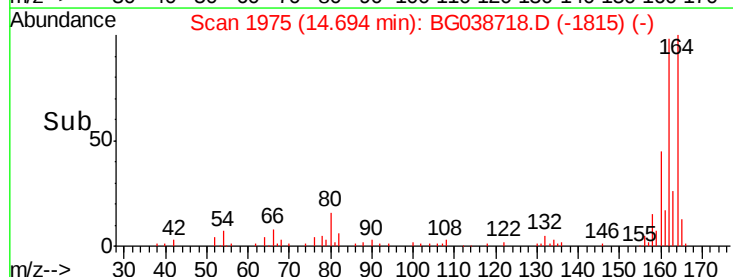
Tgt Ion:	165	Resp:	8348
Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

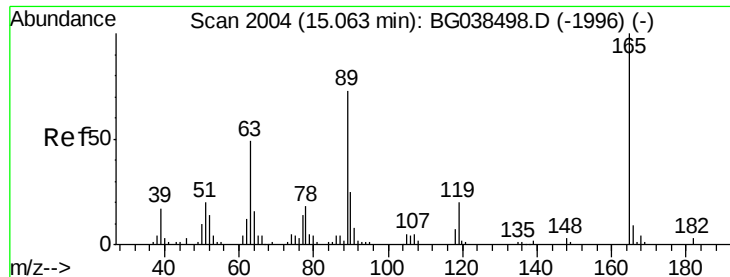


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

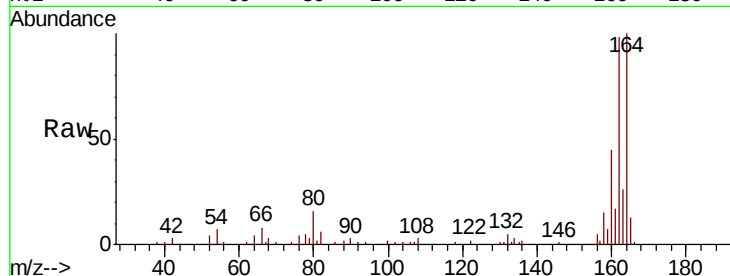




#57
2,4-Dinitrotoluene
Concen: 4.866 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Instrument :
BNA_G
ClientSampleId :

Tot 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#



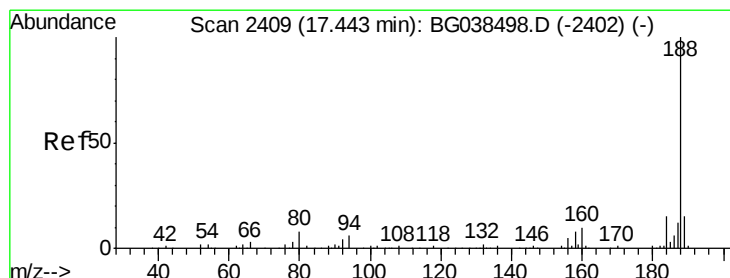
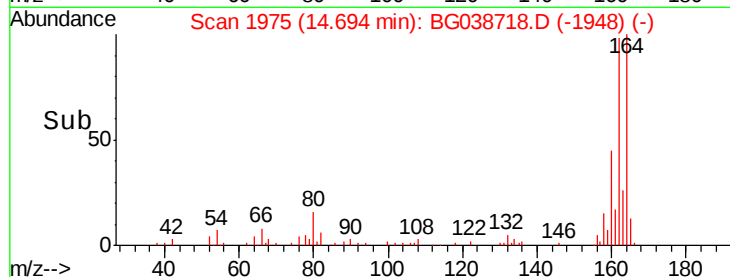
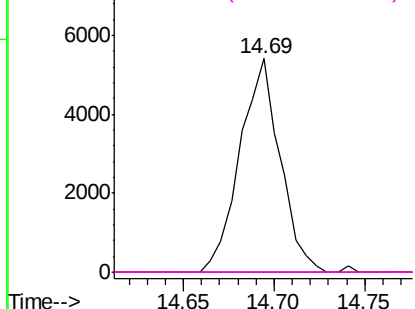
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

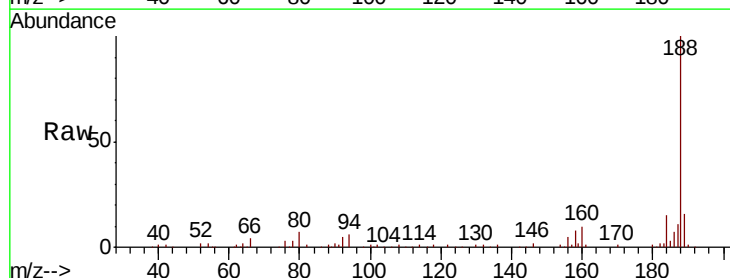
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.1	7.7
80	7.1	6.1	9.1

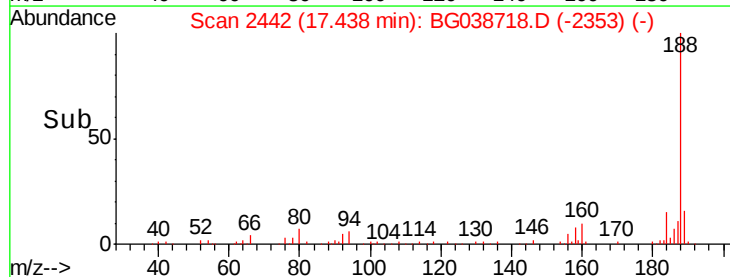
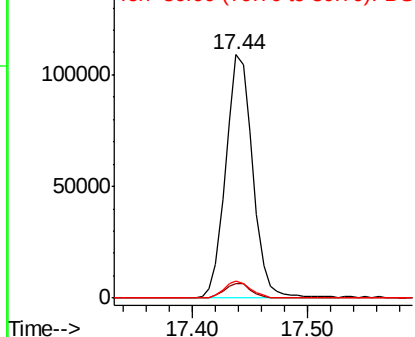


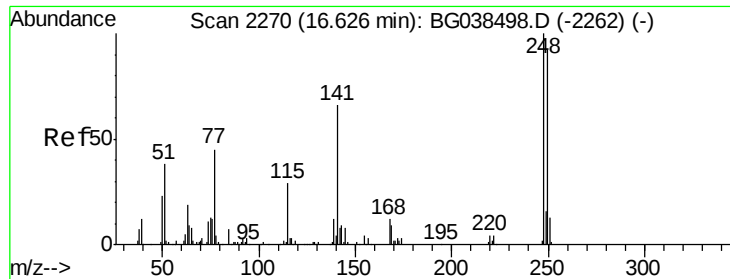
Abundance

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

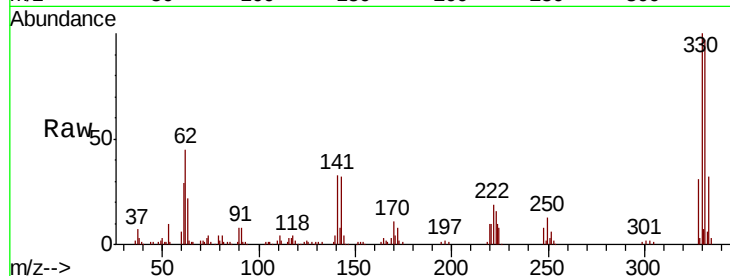




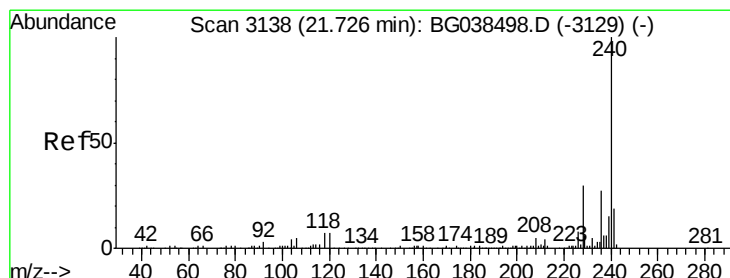
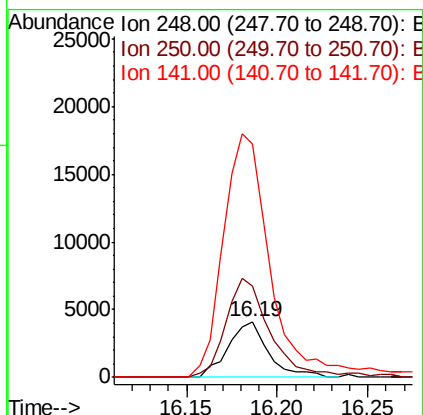
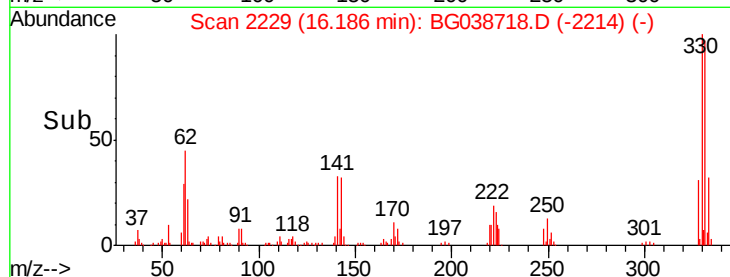
#67
4-Bromophenyl-phenylether
Concen: 2.931 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 6301
Ion Ratio Lower Upper
248 100
250 158.1 73.4 110.2#
141 327.0 52.9 79.3#

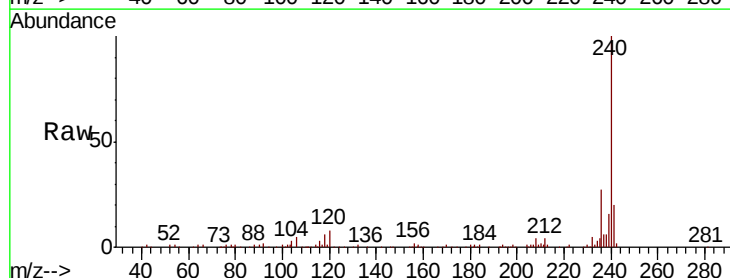


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

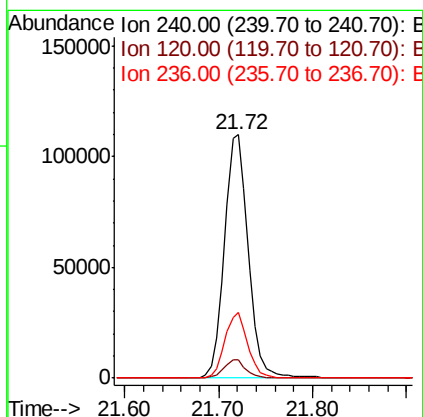
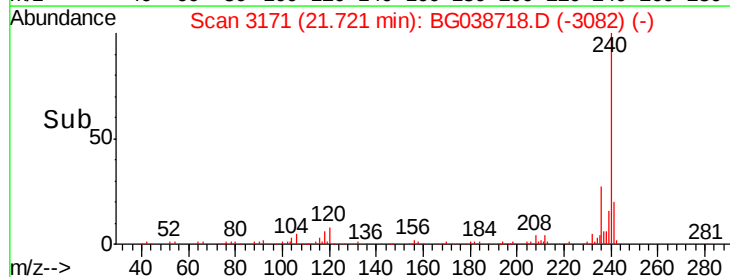


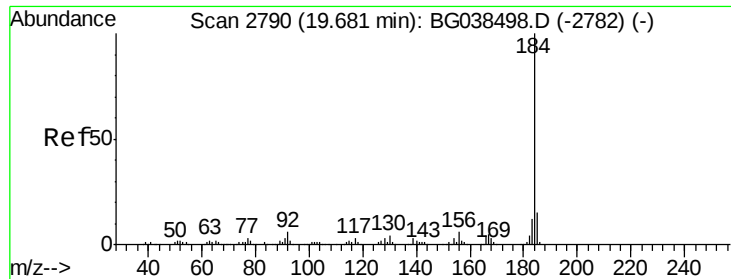
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038718.D
Acq: 19 Dec 2018 7:50

Tgt Ion:240 Resp: 193320
Ion Ratio Lower Upper
240 100
120 7.5 5.3 7.9
236 27.0 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





#77

Benzidine

Concen: 2.249 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

Instrument :

BNA_G

ClientSampleId :

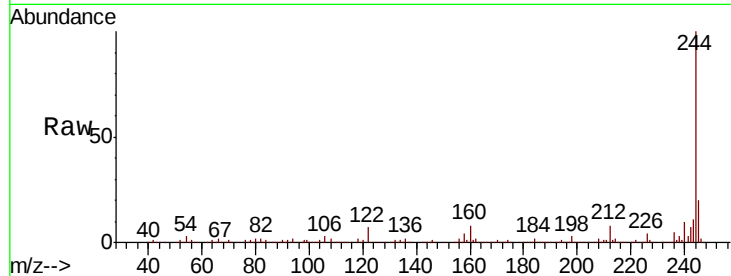
Tot Ion:184 Resp: 12858

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.2

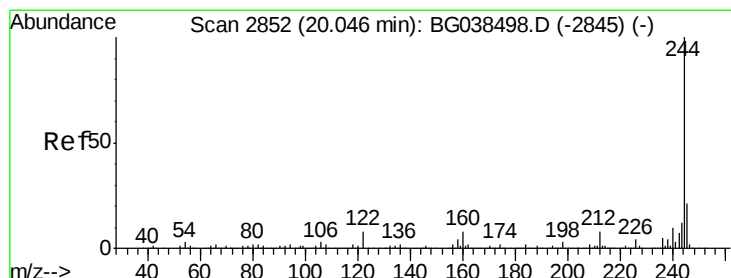
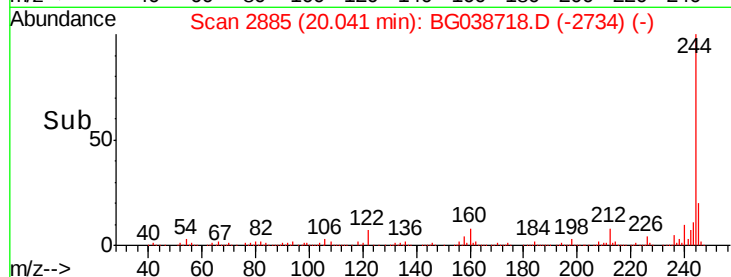
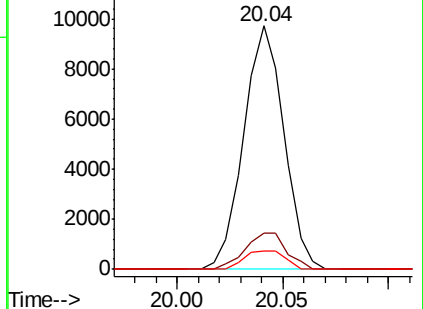
183 7.6 9.6 14.4#



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: 84.161 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038718.D

Acq: 19 Dec 2018 7:50

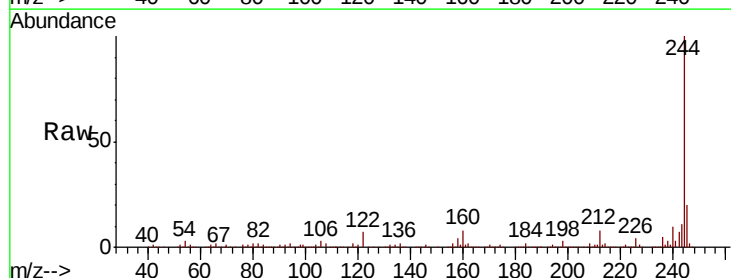
Tgt Ion:244 Resp: 747584

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

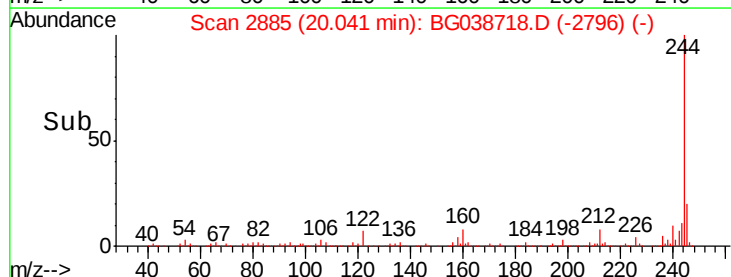
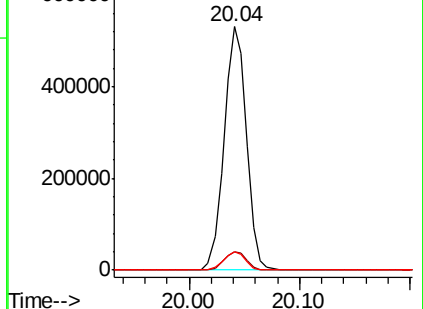
122 7.4 6.3 9.5

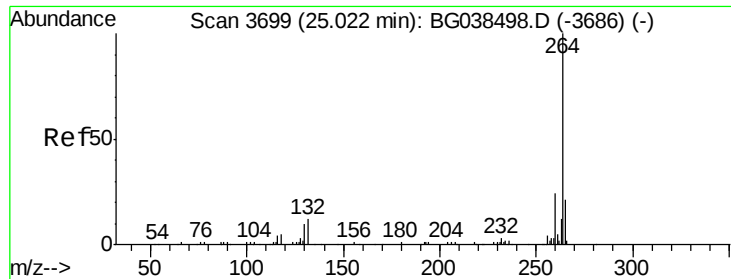


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038718.D
 Acq: 19 Dec 2018 7:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.9	28.3
265	22.2	17.0	25.4

