

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
 Data File : BG038760.D
 Acq On : 20 Dec 2018 12:53
 Operator : JU/SJ
 Sample : J6445-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 15:26:45 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

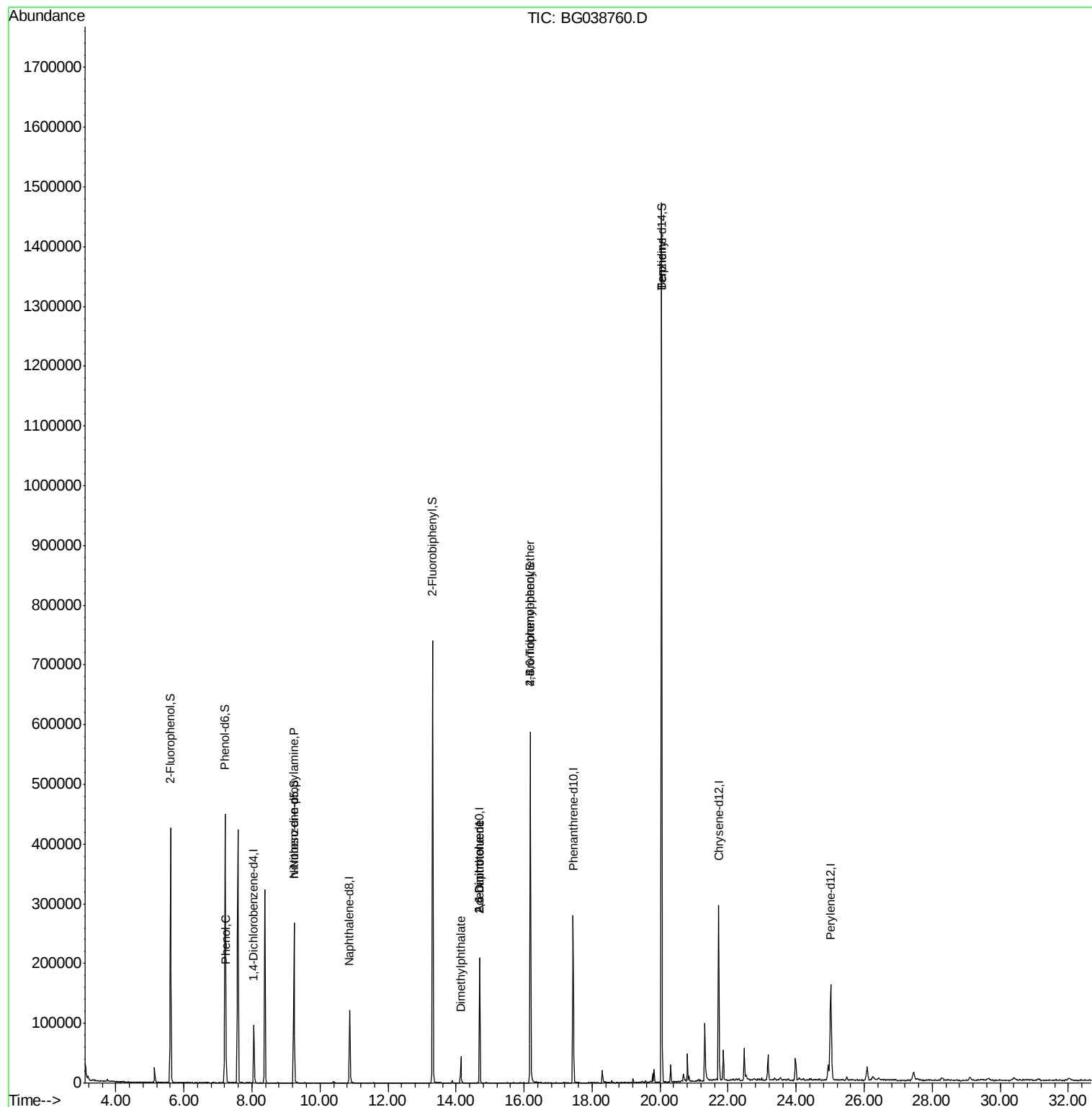
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28466	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	112254	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	77456	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	188926	20.00	ng	0.00
76) Chrysene-d12	21.72	240	191581	20.00	ng	0.00
87) Perylene-d12	25.02	264	204749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	185048	115.30	ng	0.00
7) Phenol-d6	7.21	99	252120	114.43	ng	0.00
23) Nitrobenzene-d5	9.23	82	156474	71.21	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	125341	117.42	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	408264	72.31	ng	0.00
79) Terphenyl-d14	20.04	244	751528	85.37	ng	0.00
Target Compounds						
10) Phenol	7.24	94	15717	6.715	ng	89
19) n-Nitroso-di-n-propylamine	9.23	70	21342	13.792	ng	# 65
50) Dimethylphthalate	14.14	163	34794	5.501	ng	99
51) 2,6-Dinitrotoluene	14.69	165	10169	7.094	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10169	5.037	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	8234	3.569	ng	# 1
77) Benzidine	20.04	184	12477	2.202	ng	98

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

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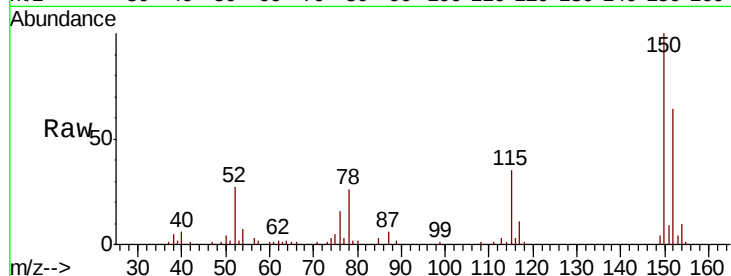


#1

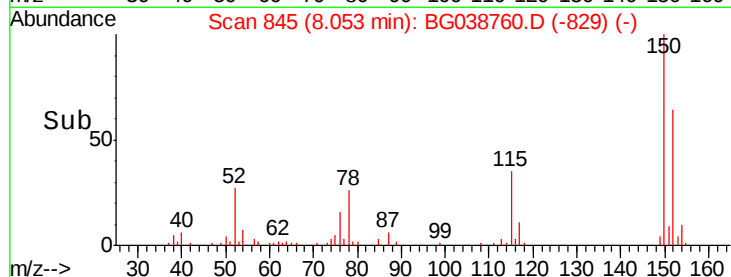
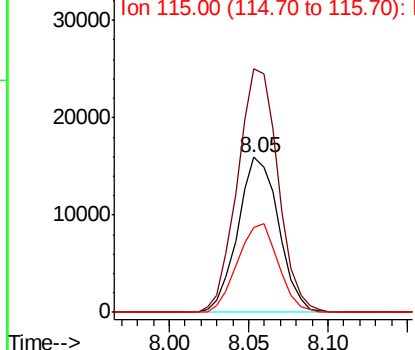
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28466
Ion Ratio Lower Upper
152 100
150 157.0 119.5 179.3
115 55.0 49.6 74.4



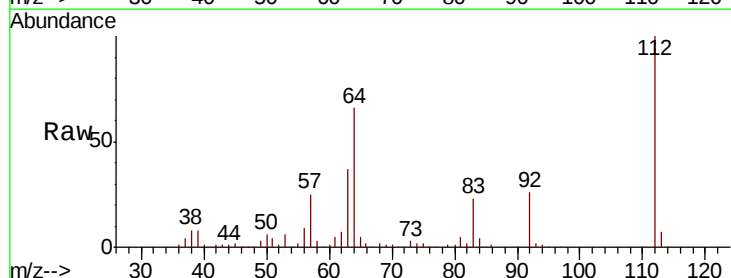
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



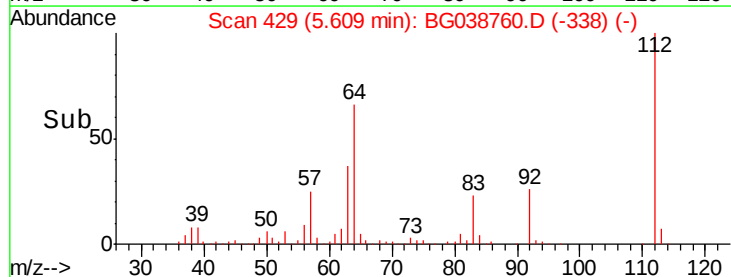
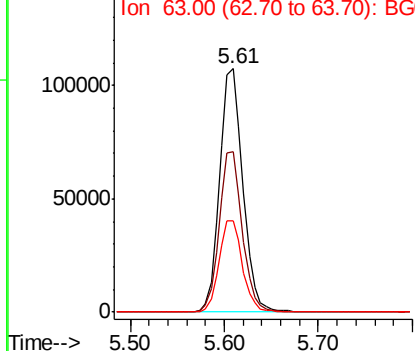
#5

2-Fluorophenol
Concen: 115.299 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Tgt Ion:112 Resp: 185048
Ion Ratio Lower Upper
112 100
64 66.0 53.4 80.2
63 37.3 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: 114.430 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

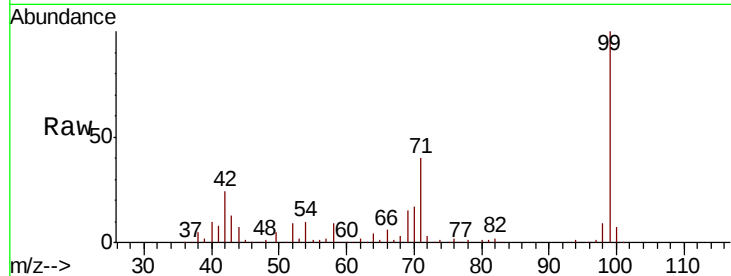
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 252120

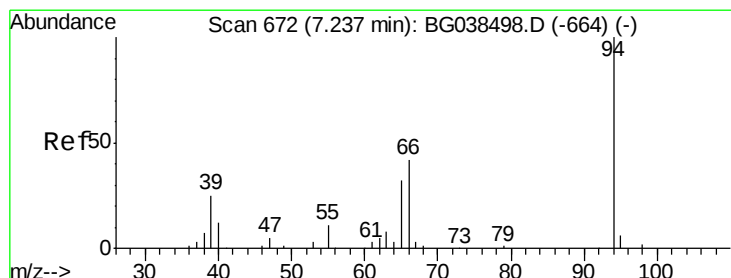
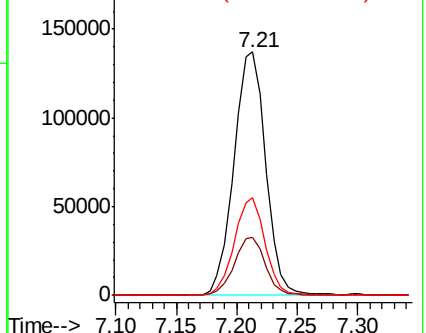
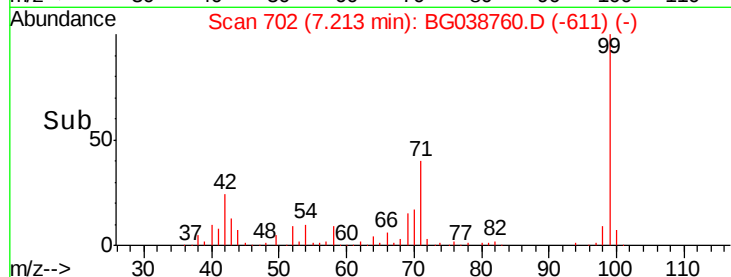
Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.5	27.7
71	40.3	31.1	46.7



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: 6.715 ng

RT: 7.24 min Scan# 706

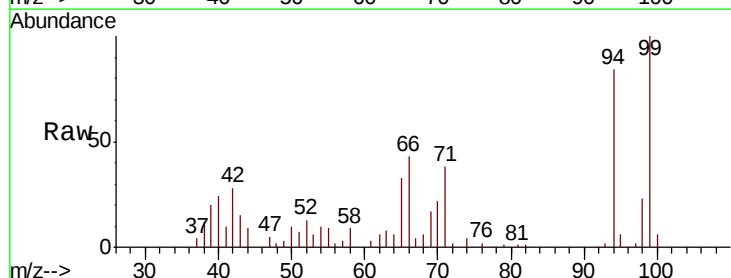
Delta R.T. -0.00 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

Tgt Ion: 94 Resp: 15717

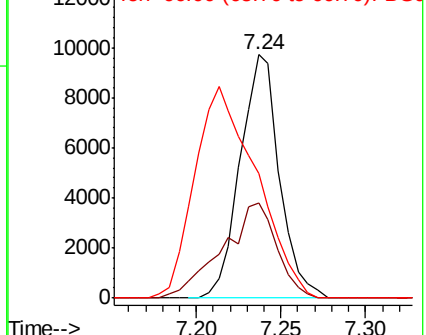
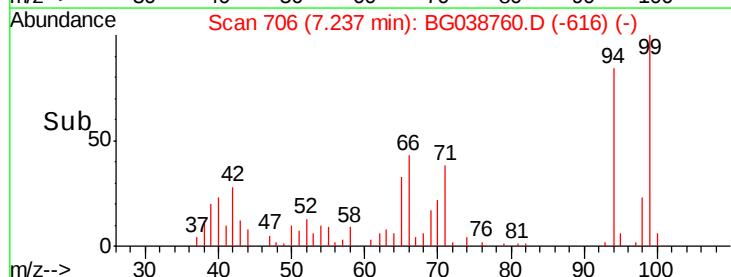
Ion	Ratio	Lower	Upper
94	100		
65	39.1	12.6	52.6
66	51.2	24.1	64.1

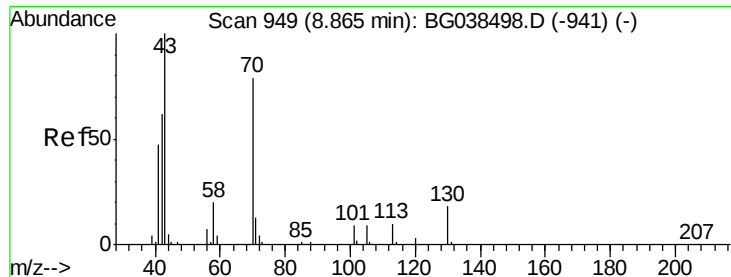


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

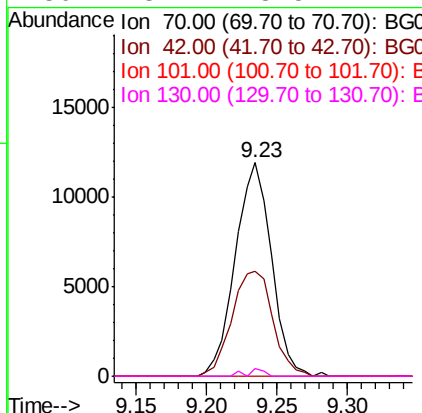
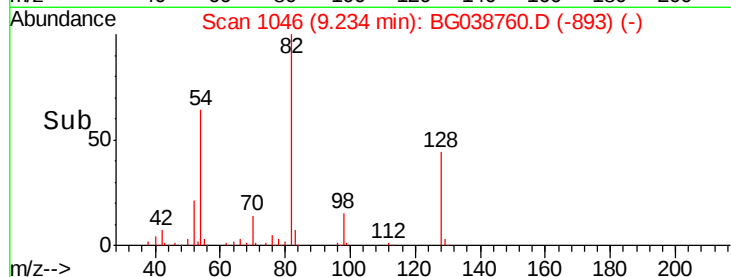
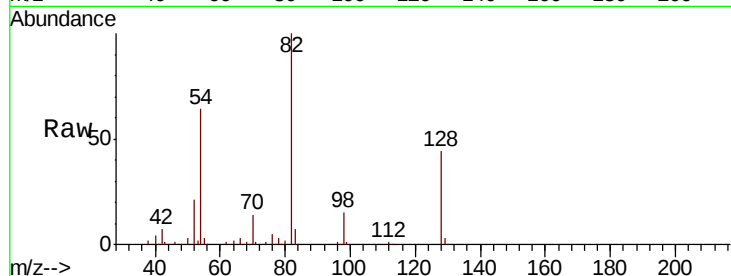




#19
n-Nitroso-di-n-propylamine
Concen: 13.792 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

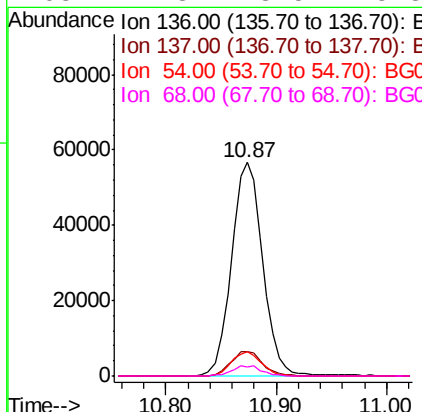
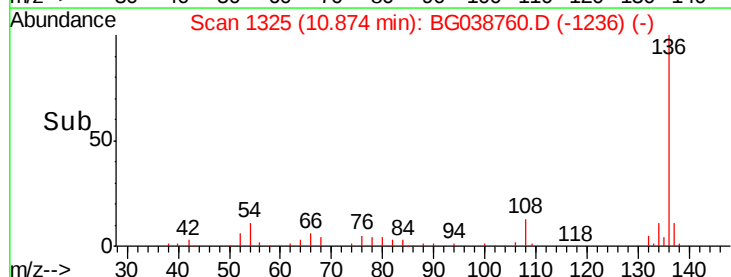
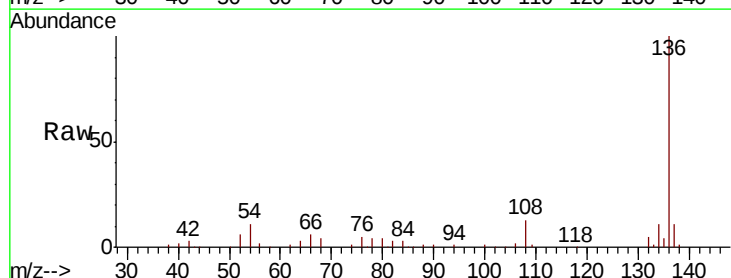
Instrument :
BNA_F
ClientSampleId :

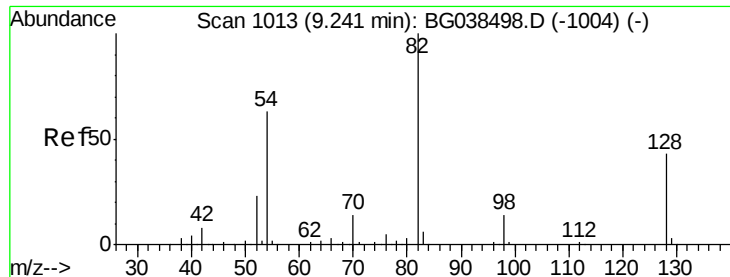
Tot Ion: 70 Resp: 21342
Ion Ratio Lower Upper
70 100
42 49.4 63.6 95.4#
101 0.0 9.2 13.8#
130 3.4 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Tgt Ion: 136 Resp: 112254
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 11.2 8.5 12.7
68 4.3 3.5 5.3

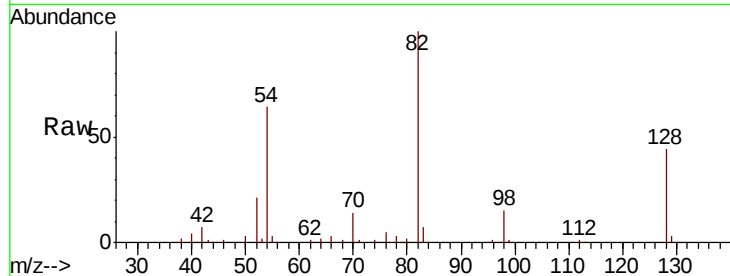




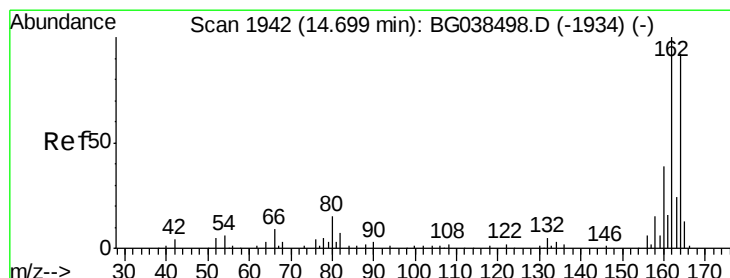
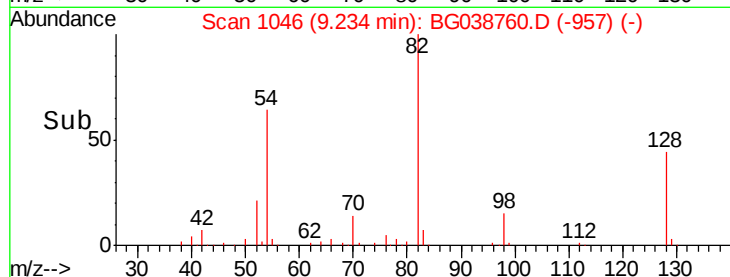
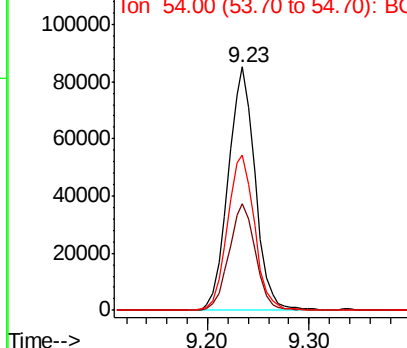
#23
Nitrobenzene-d5
Concen: 71.212 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 156474
Ion Ratio Lower Upper
82 100
128 43.8 34.6 52.0
54 64.0 50.6 76.0

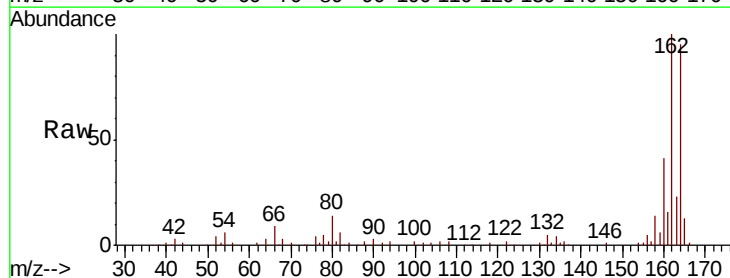


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

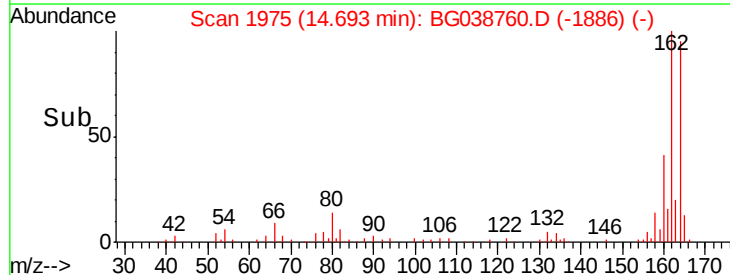
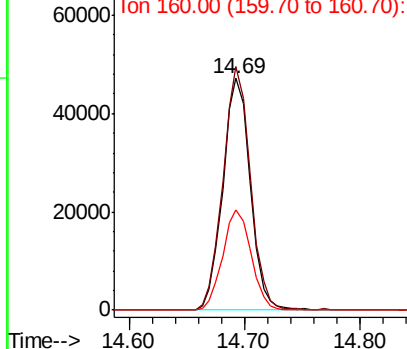


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Tgt Ion:164 Resp: 77456
Ion Ratio Lower Upper
164 100
162 105.0 86.6 130.0
160 43.4 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

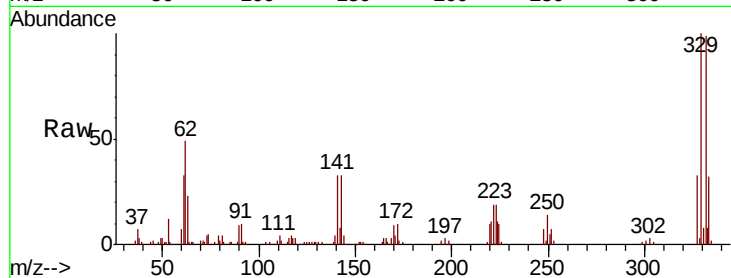




#42
 2,4,6-Tribromophenol
 Concen: 117.417 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038760.D
 Acq: 20 Dec 2018 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	33.5	28.8	43.2

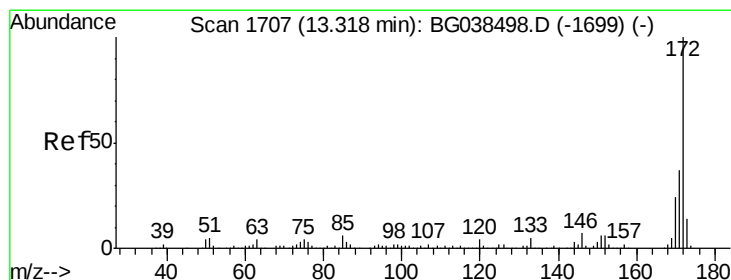
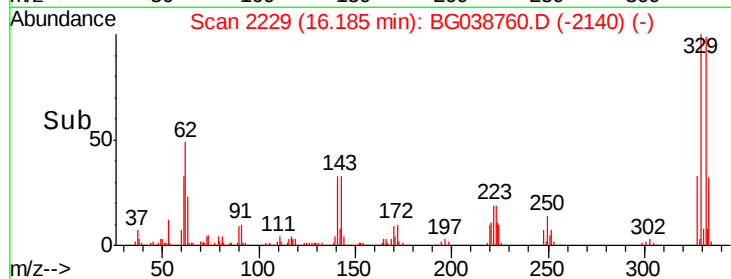
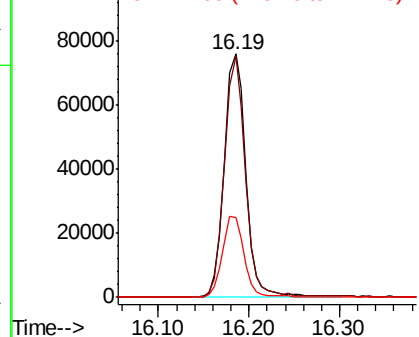


Abundance

Ion 329.80 (329.50 to 330.50): E

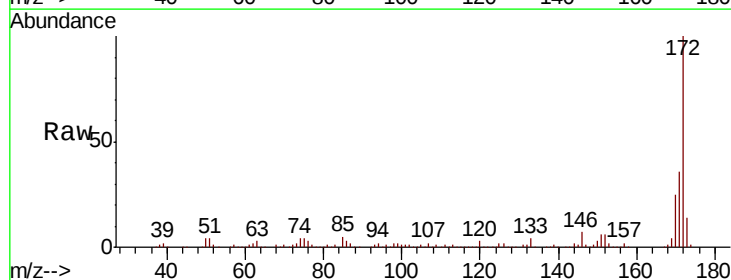
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.309 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038760.D
 Acq: 20 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.6	19.5	29.3

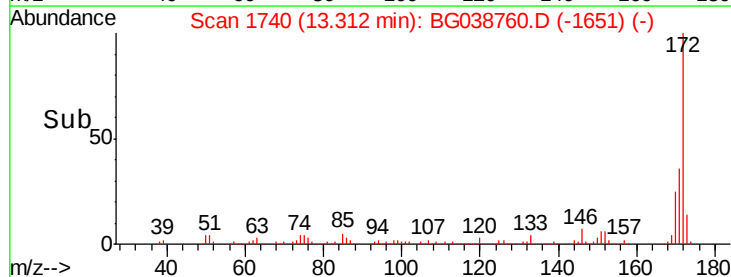
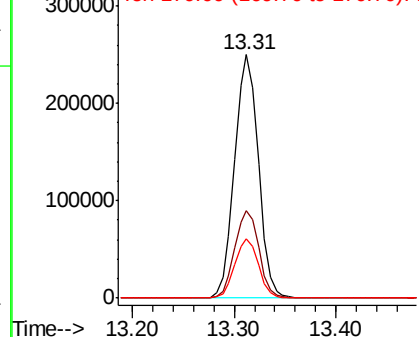


Abundance

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: 5.501 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

Instrument :

BNA_F

ClientSampled :

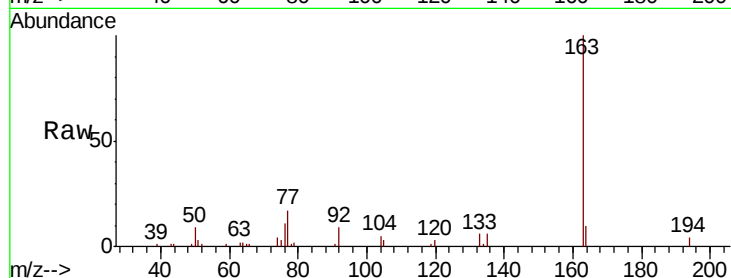
Tot Ion:163 Resp: 34794

Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

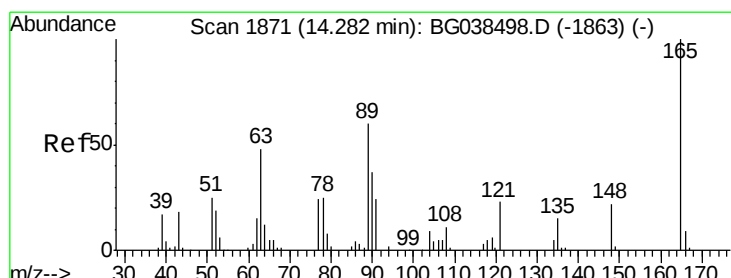
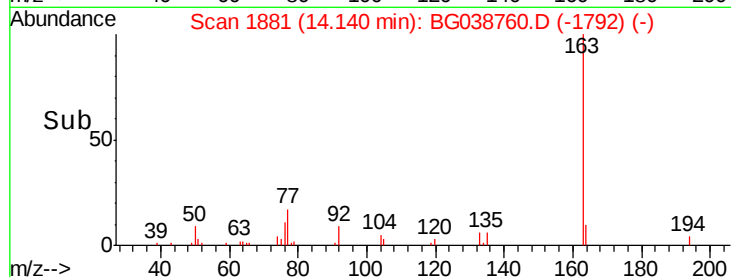
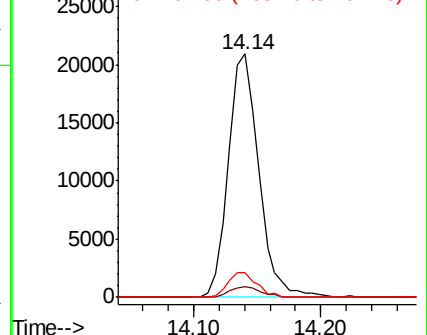
164 10.2 8.6 12.8



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



#51

2,6-Dinitrotoluene

Concen: 7.094 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.41 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

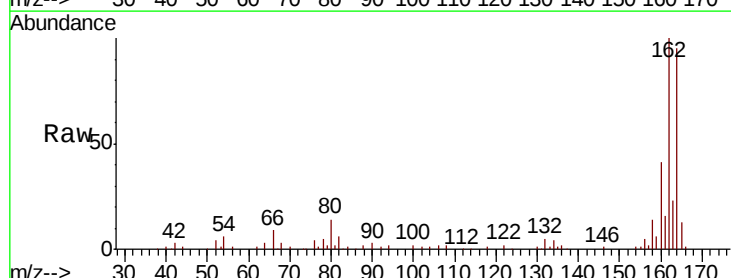
Tgt Ion:165 Resp: 10169

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

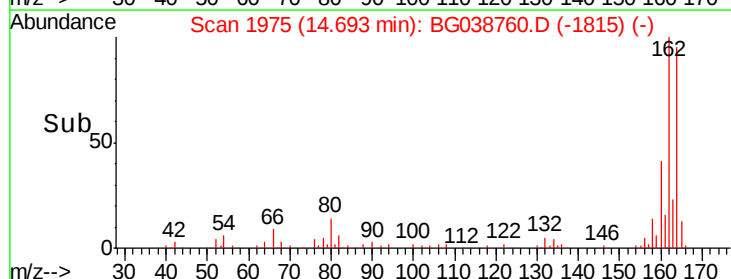
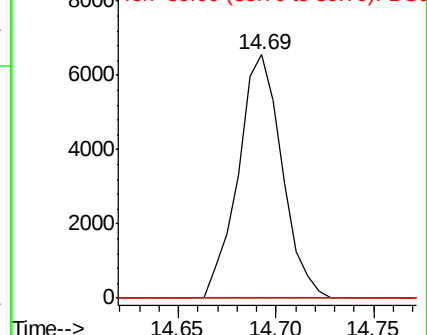
89 0.0 47.9 71.9#

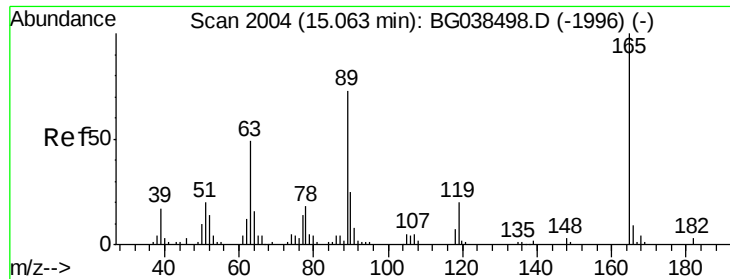


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

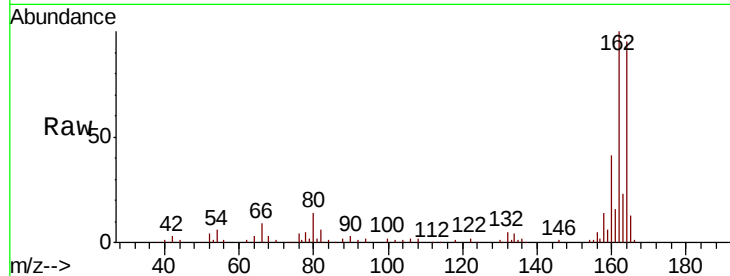




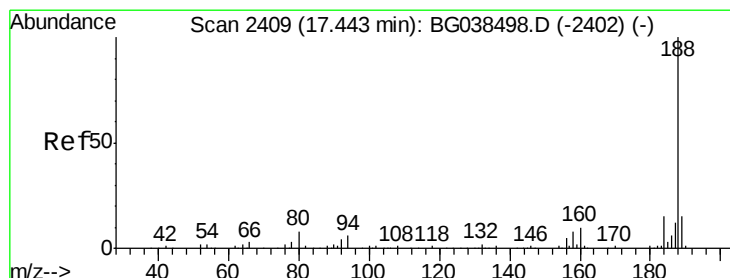
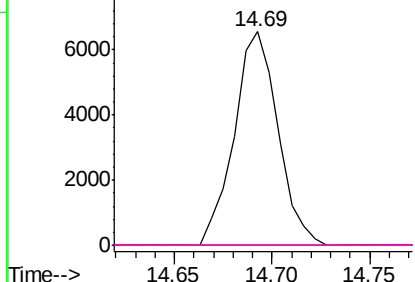
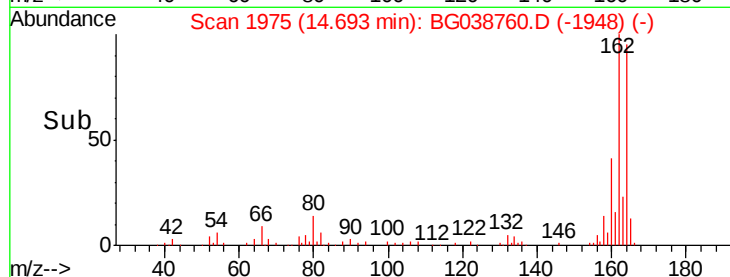
#57
 2,4-Dinitrotoluene
 Concen: 5.037 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038760.D
 Acq: 20 Dec 2018 12:53

Instrument :
 BNA_F
 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#

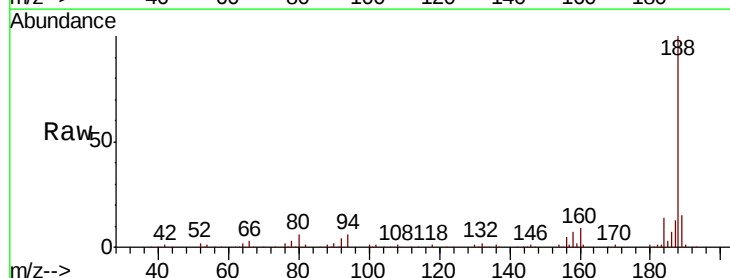


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

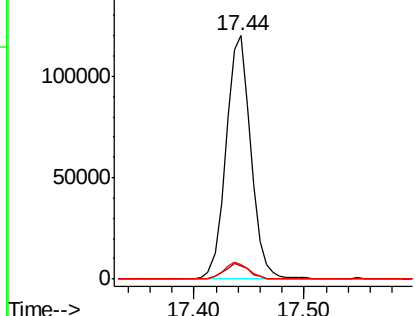
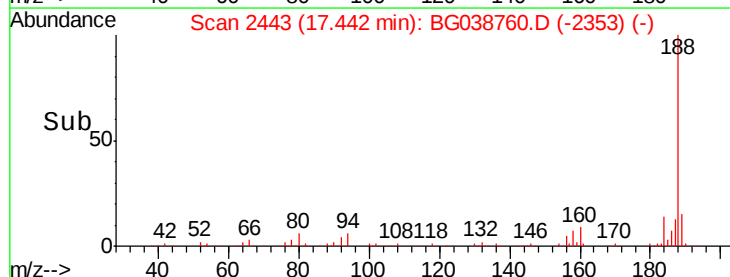


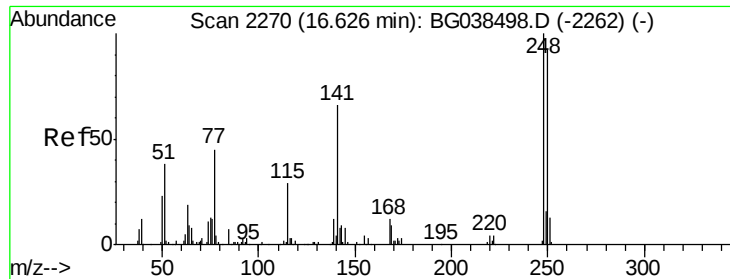
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038760.D
 Acq: 20 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.1	7.7
80	5.8	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

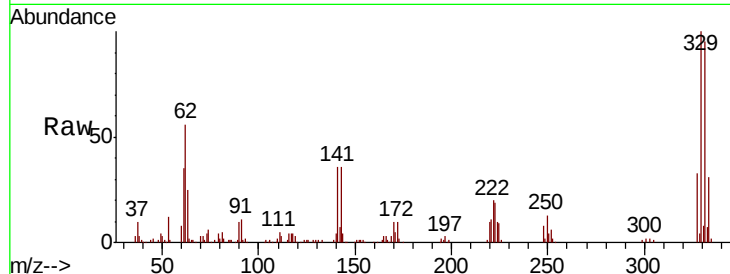




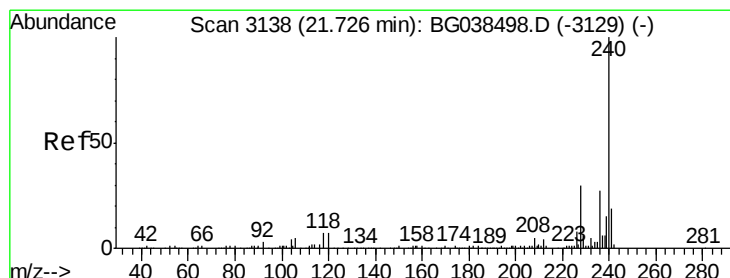
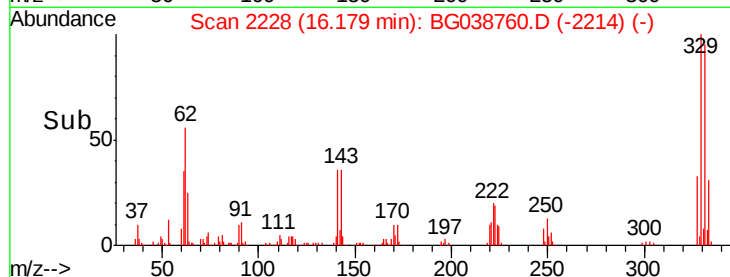
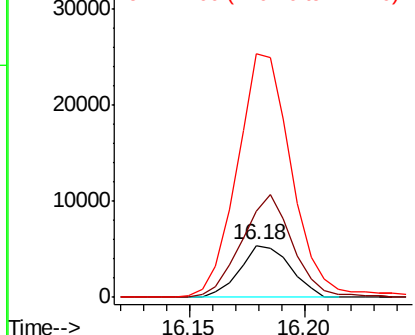
#67
4-Bromophenyl-phenylether
Concen: 3.569 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8234
Ion Ratio Lower Upper
248 100
250 168.6 73.4 110.2#
141 358.4 52.9 79.3#

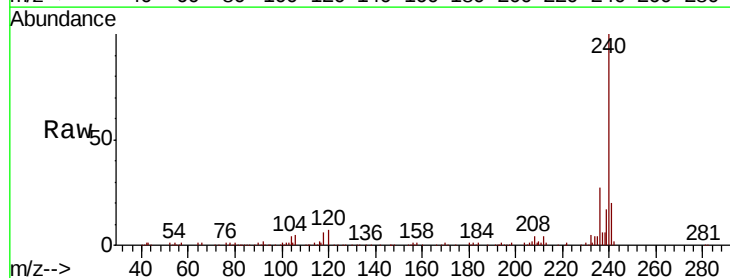


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

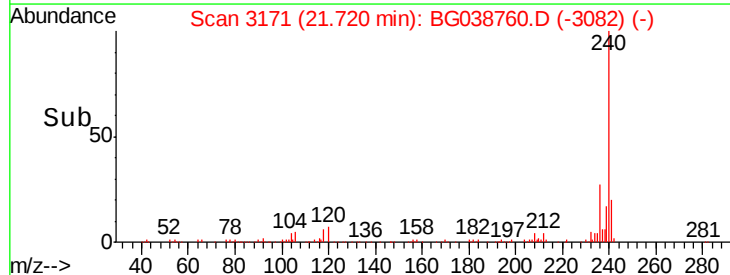
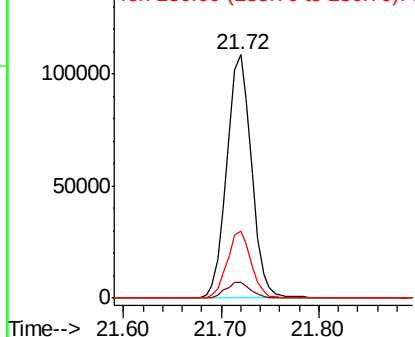


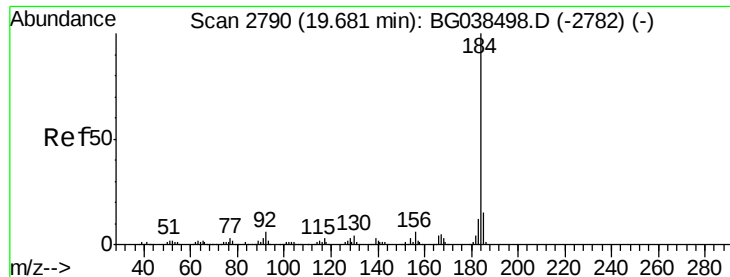
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Tgt Ion:240 Resp: 191581
Ion Ratio Lower Upper
240 100
120 6.7 5.3 7.9
236 27.3 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: 2.202 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

Instrument :

BNA_F

ClientSampled :

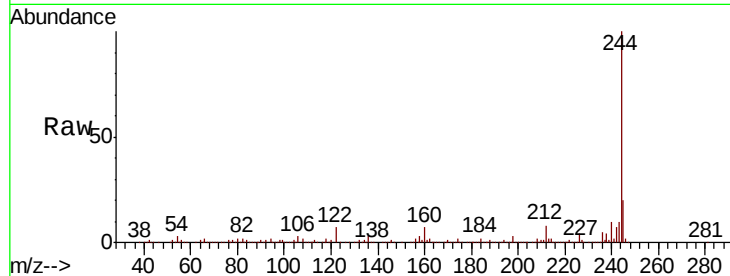
Tot Ion:184 Resp: 12477

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

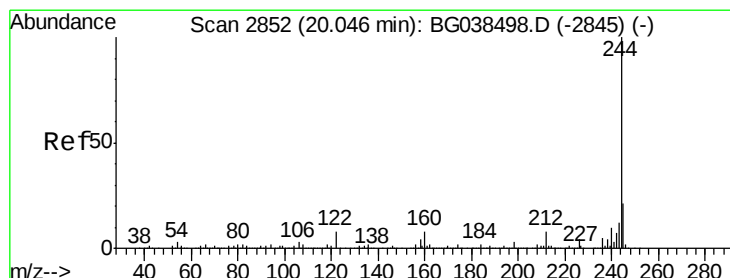
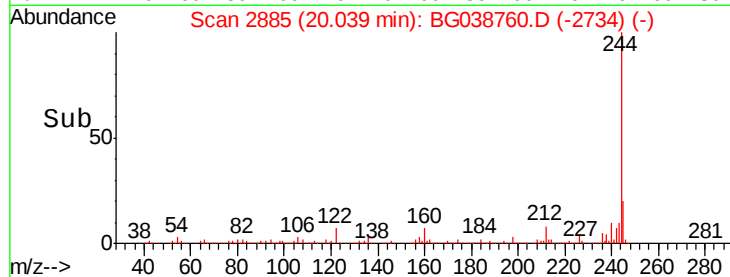
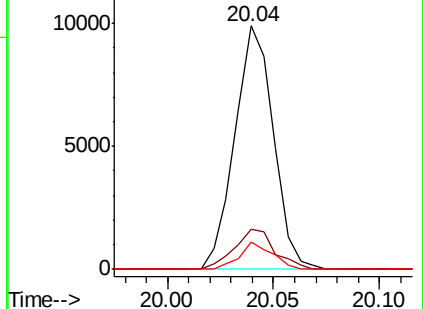
183 11.1 9.6 14.4



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: 85.373 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038760.D

Acq: 20 Dec 2018 12:53

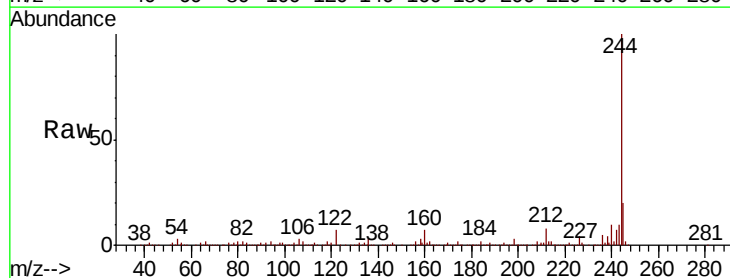
Tgt Ion:244 Resp: 751528

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

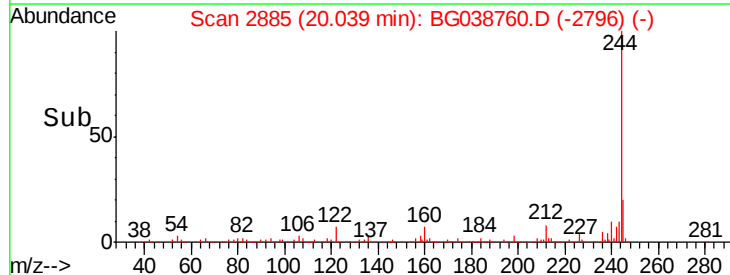
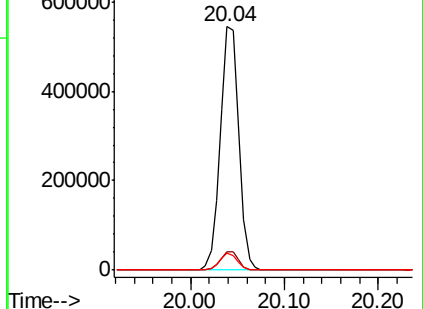
122 7.1 6.3 9.5

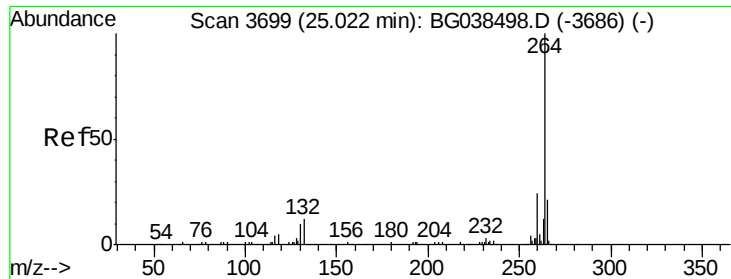


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

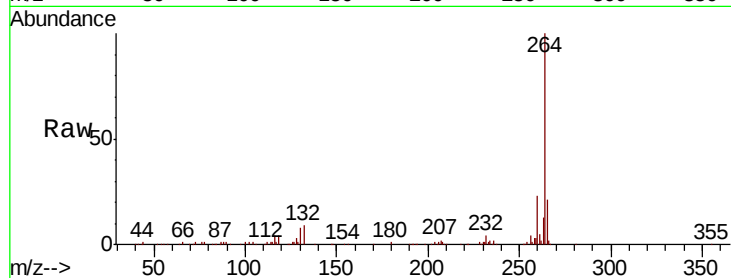




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038760.D
Acq: 20 Dec 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.9	28.3
265	21.0	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

