

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038630.D
 Acq On : 16 Dec 2018 8:08
 Operator : JU/SJ
 Sample : PB115697BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:29:59 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

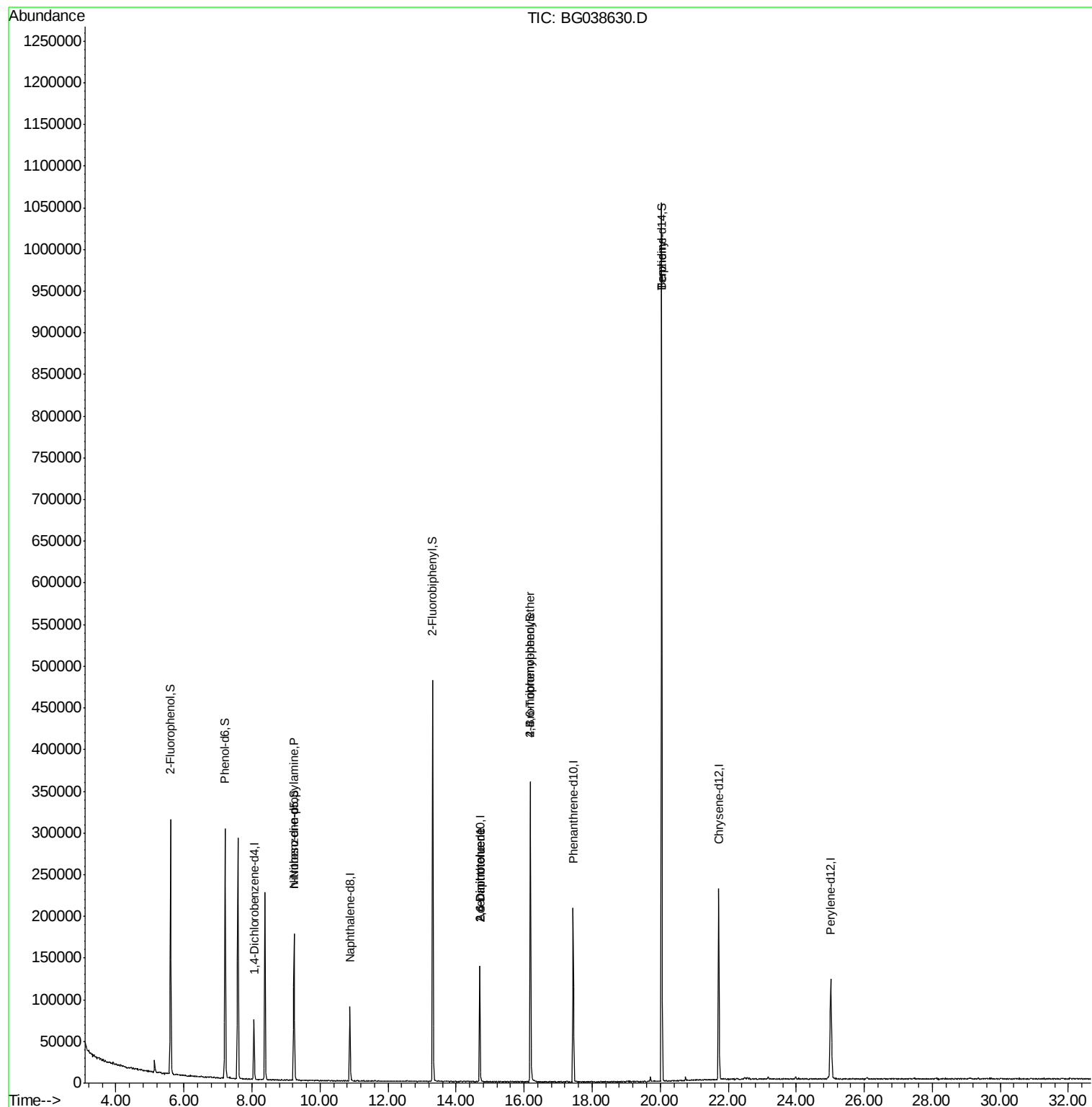
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20128	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	81538	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	52810	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	136771	20.00	ng	0.00
76) Chrysene-d12	21.72	240	148073	20.00	ng	0.00
87) Perylene-d12	25.02	264	153608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	129565	114.17	ng	0.00
7) Phenol-d6	7.21	99	170233	109.27	ng	0.00
23) Nitrobenzene-d5	9.23	82	108441	67.94	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	73624	101.16	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	264357	68.67	ng	0.00
79) Terphenyl-d14	20.04	244	525173	77.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	14971	13.682	ng	# 74
51) 2,6-Dinitrotoluene	14.69	165	6296	6.442	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	6296	4.574	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	4691	2.808	ng	# 1
77) Benzidine	20.04	184	8901	2.033	ng	95

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

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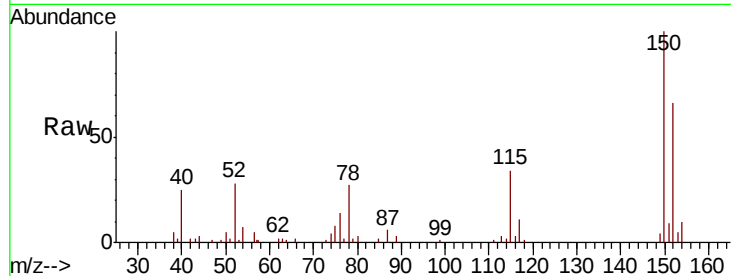


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	119.5	179.3
115	51.9	49.6	74.4

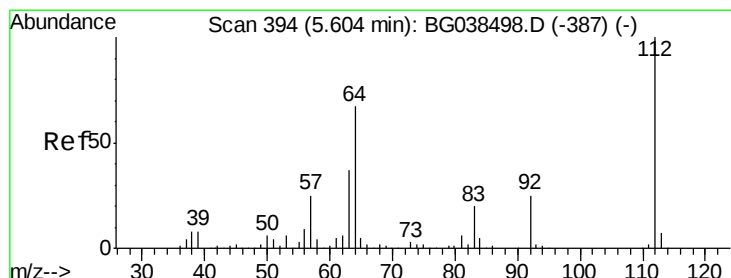
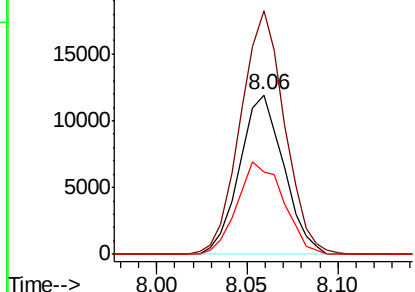
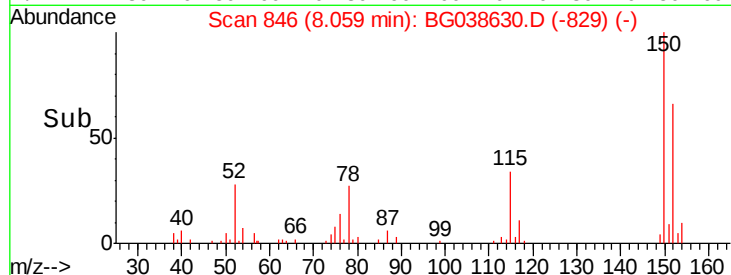


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

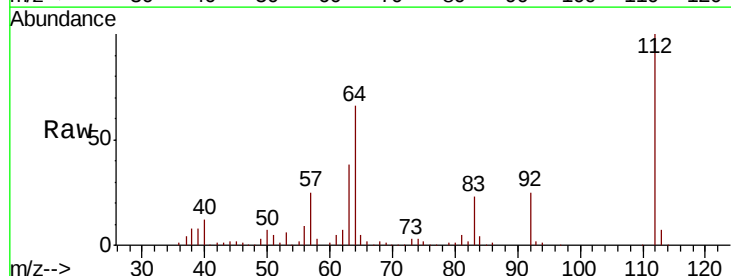
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.171 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.4	80.2
63	38.0	29.3	43.9

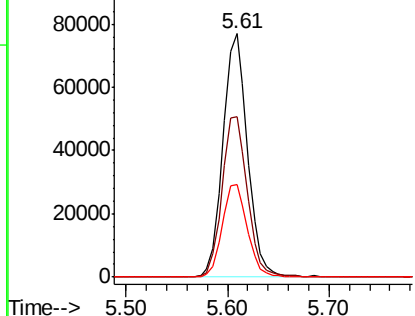
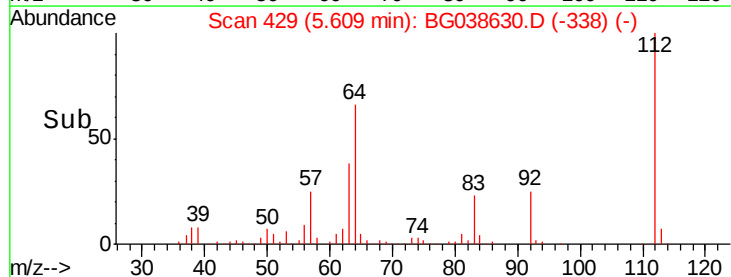


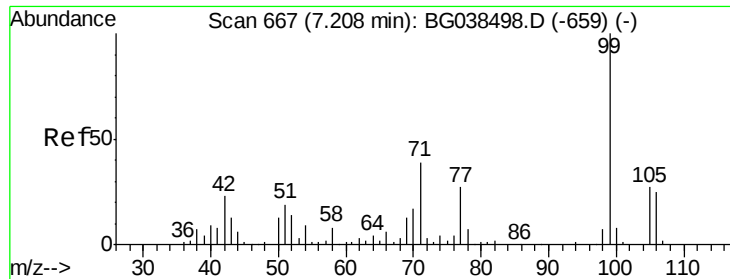
Abundance

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: 109.270 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

Instrument :

BNA_G

ClientSampleId :

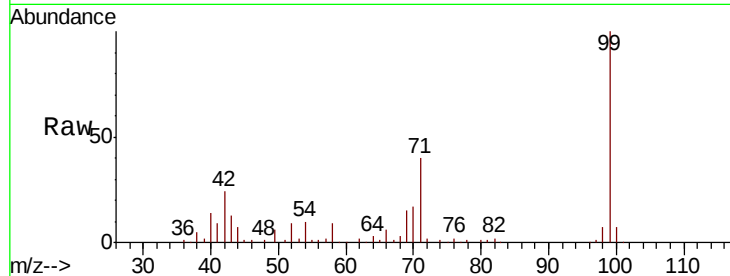
Tot Ion: 99 Resp: 170233

Ion Ratio Lower Upper

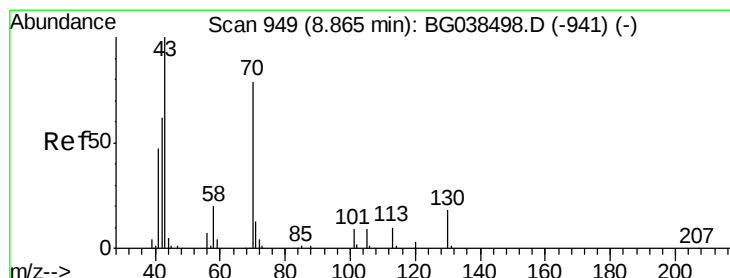
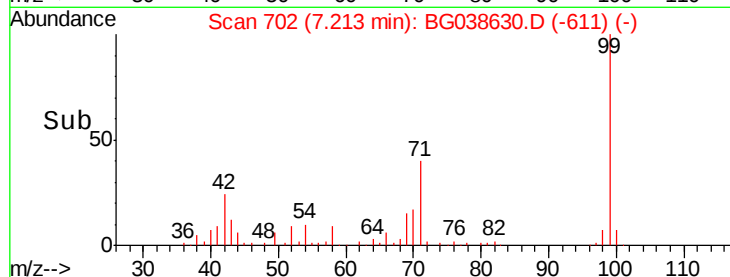
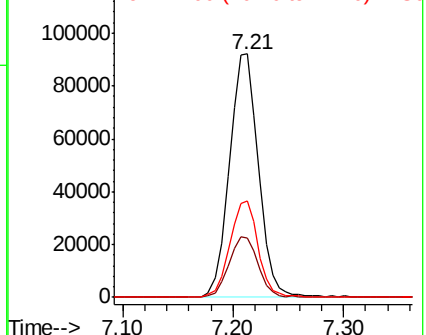
99 100

42 24.4 18.5 27.7

71 39.7 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: 13.682 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

Tgt Ion: 70 Resp: 14971

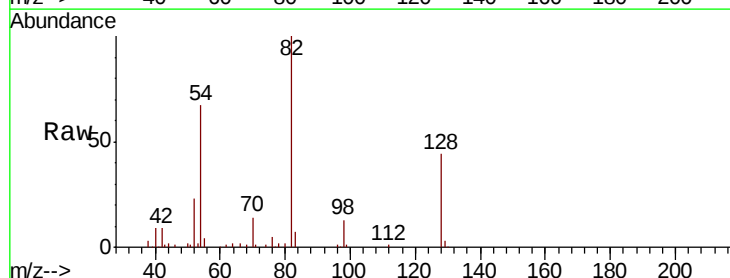
Ion Ratio Lower Upper

70 100

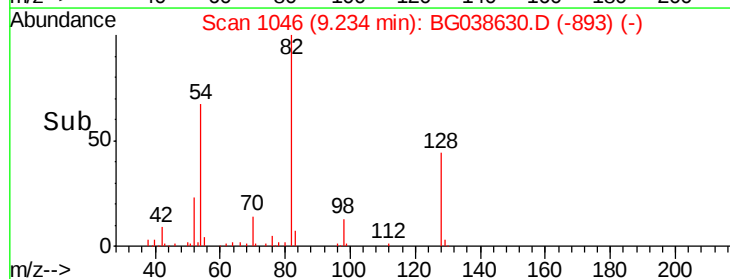
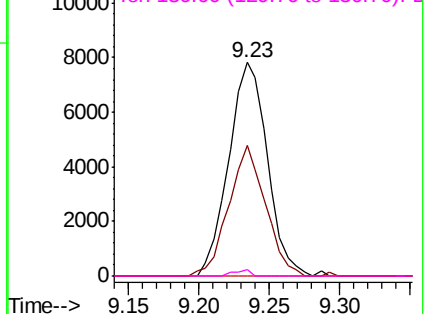
42 61.0 63.6 95.4#

101 0.0 9.2 13.8#

130 2.9 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

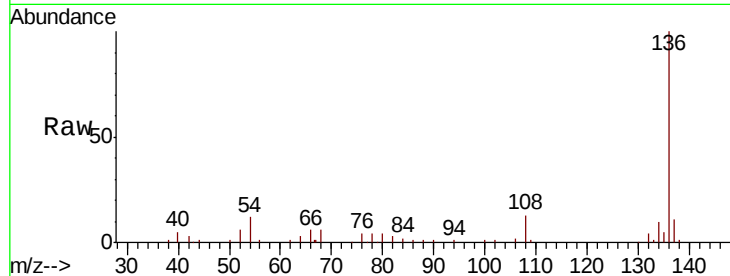




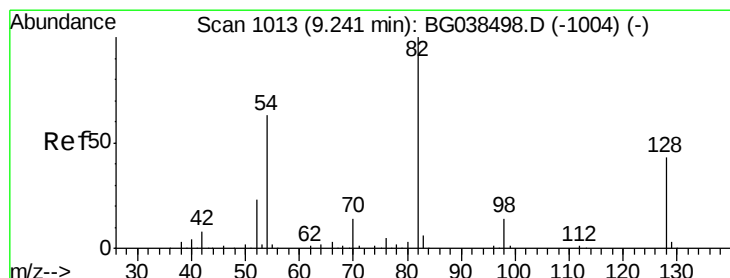
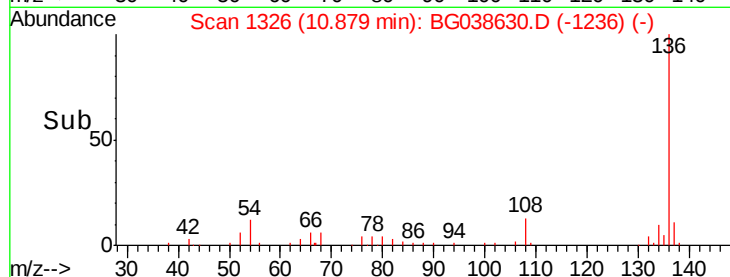
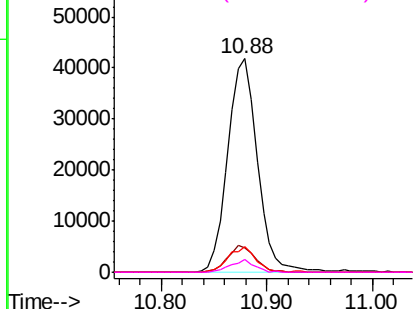
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	81538
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	11.9	8.5 12.7
68	5.9	3.5 5.3#

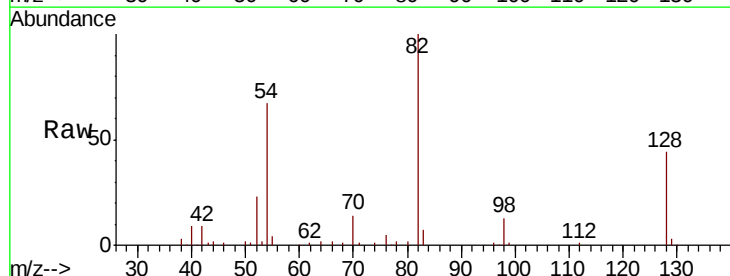


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

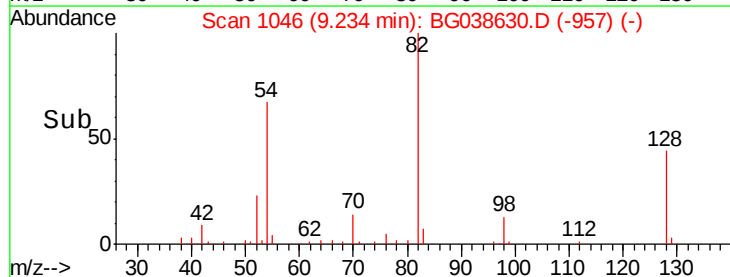
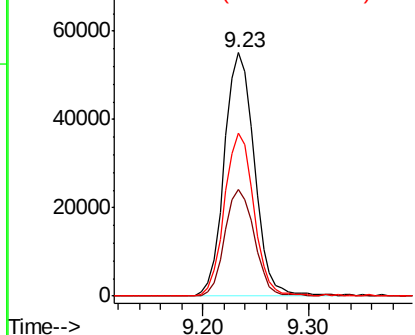


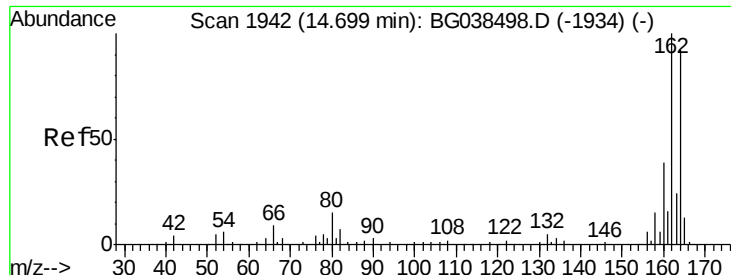
#23
Nitrobenzene-d5
Concen: 67.943 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Tgt Ion: 82	Resp:	108441
Ion Ratio	Lower	Upper
82	100	
128	43.8	34.6 52.0
54	67.0	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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

Instrument :

BNA_G

ClientSampleId :

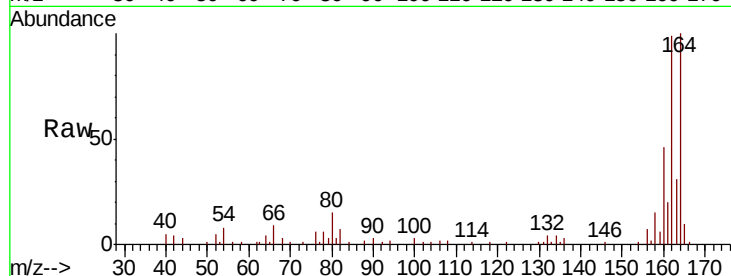
Tot Ion:164 Resp: 52810

Ion Ratio Lower Upper

164 100

162 99.0 86.6 130.0

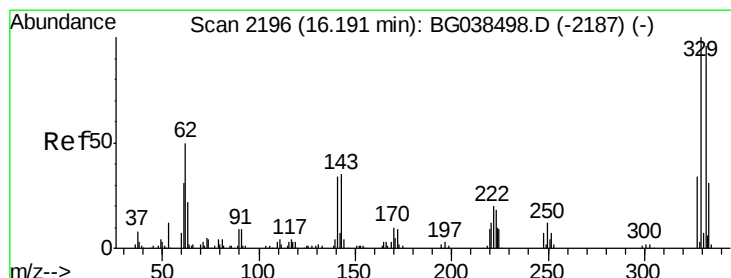
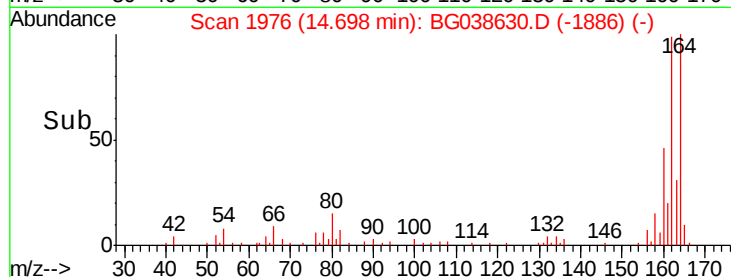
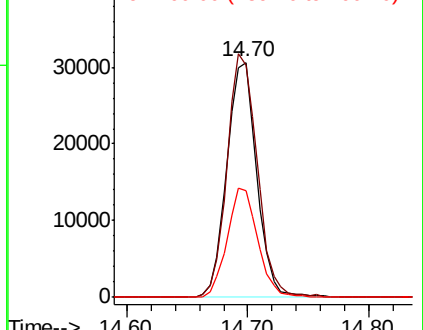
160 45.6 34.2 51.2



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: 101.157 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

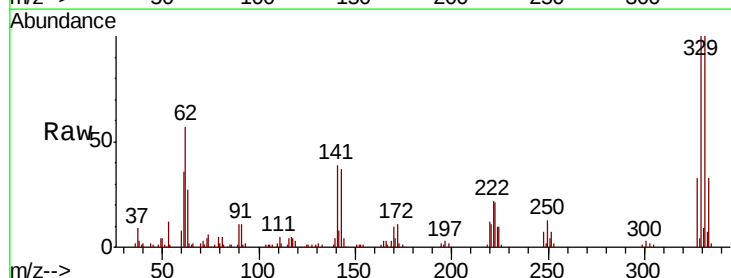
Tgt Ion:330 Resp: 73624

Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

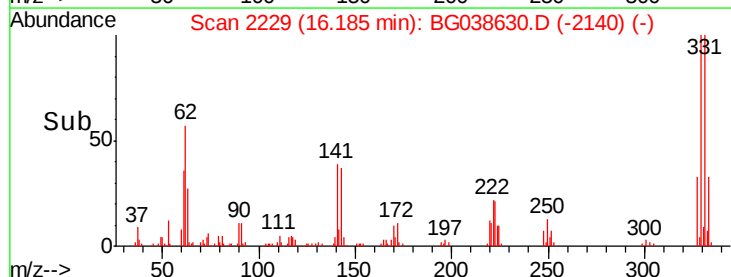
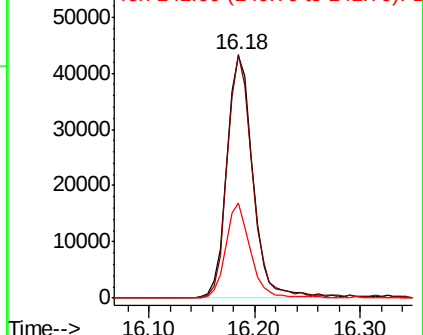
141 37.0 28.8 43.2



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

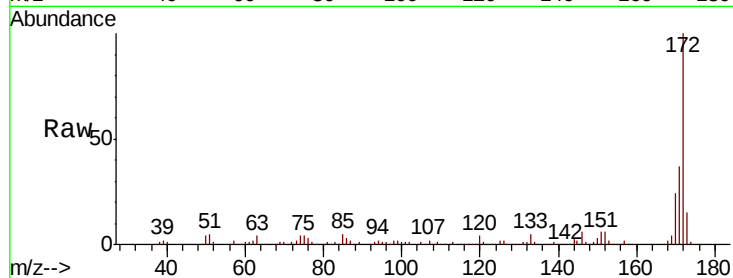




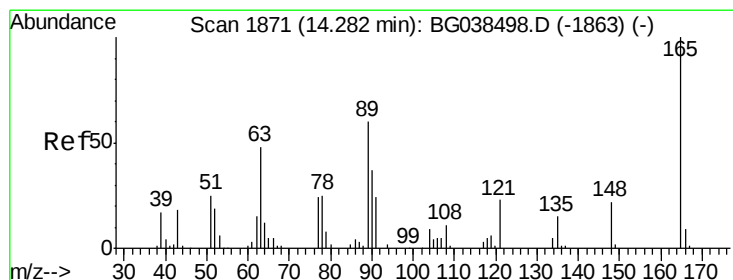
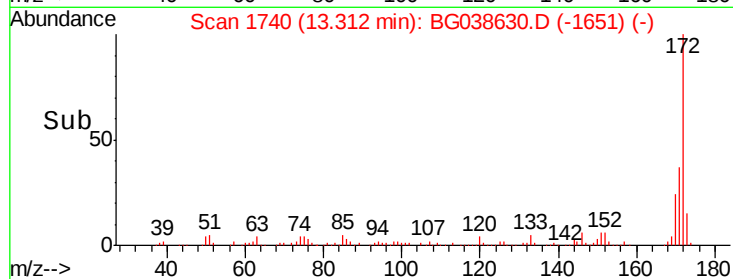
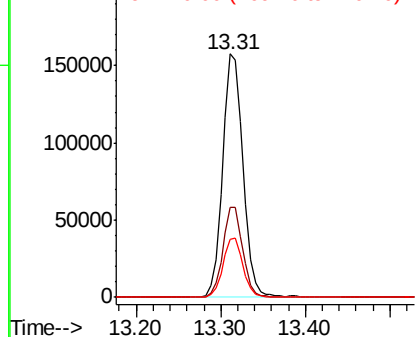
#45
2-Fluorobiphenyl
Concen: 68.672 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 264357
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.6
170 23.8 19.5 29.3

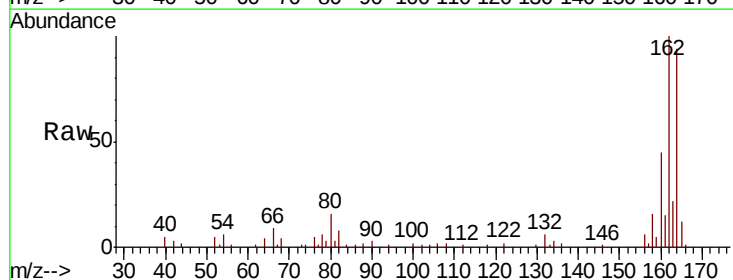


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

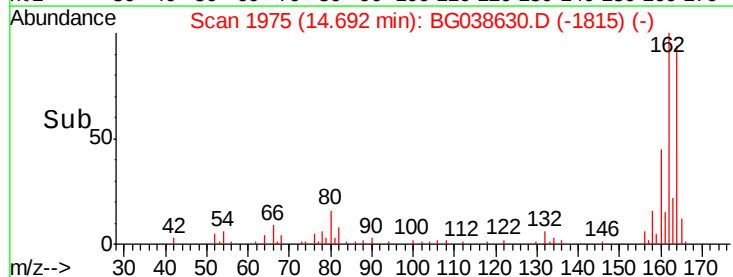
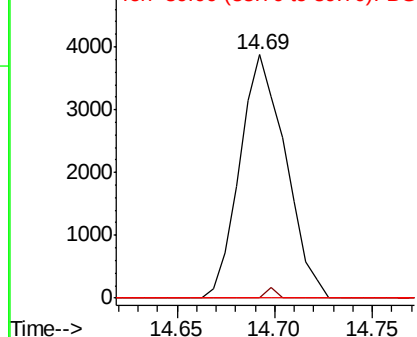


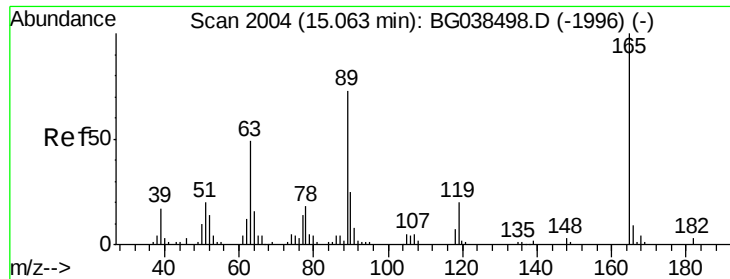
#51
2,6-Dinitrotoluene
Concen: 6.442 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.41 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Tgt Ion:165 Resp: 6296
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

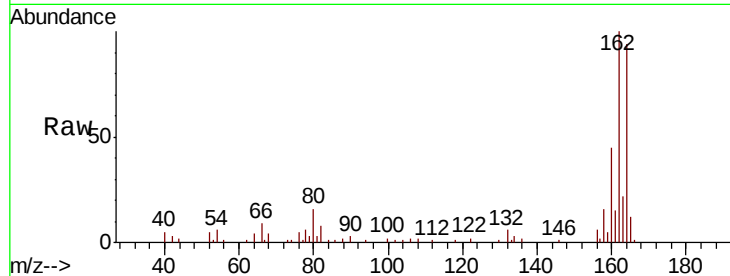




#57
 2,4-Dinitrotoluene
 Concen: 4.574 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038630.D
 Acq: 16 Dec 2018 8:08

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#



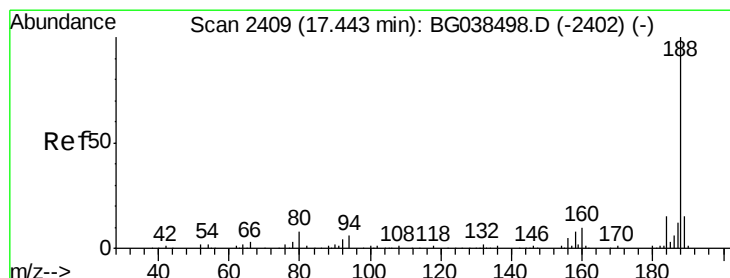
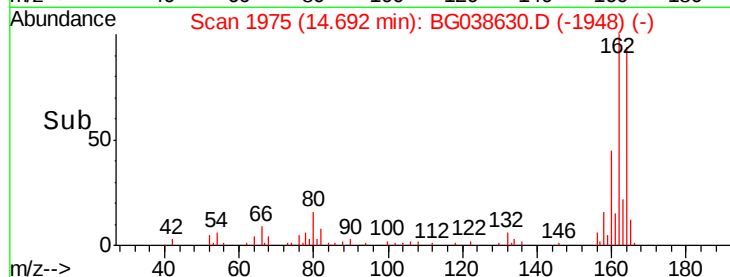
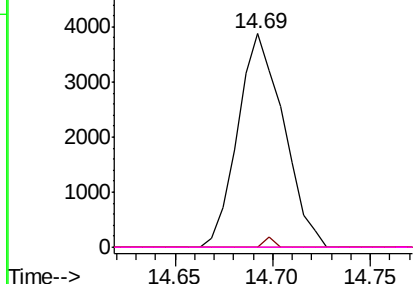
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

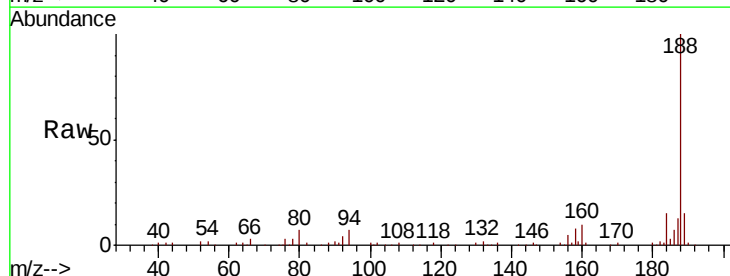
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038630.D
 Acq: 16 Dec 2018 8:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.1	7.7
80	7.2	6.1	9.1

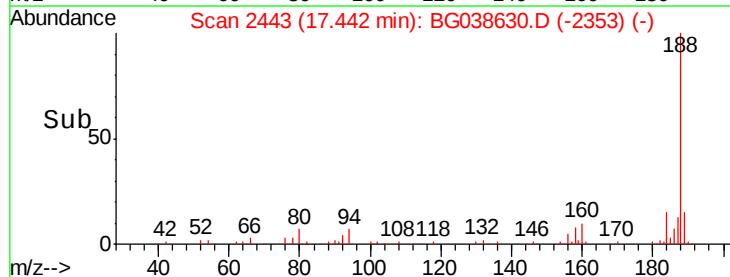
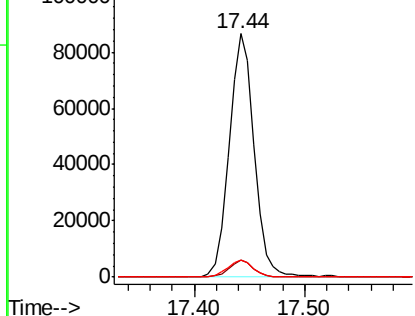


Abundance

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

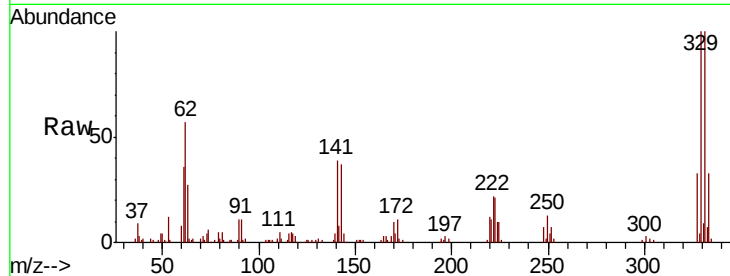




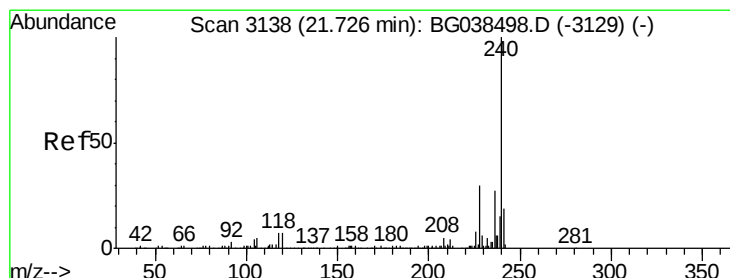
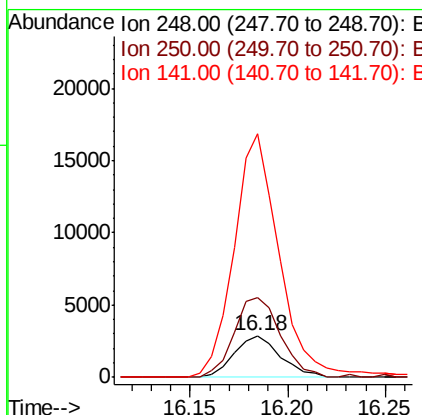
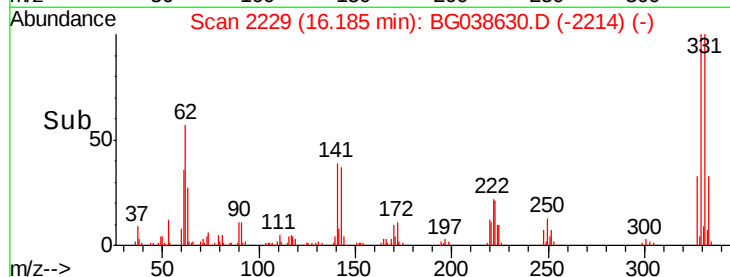
#67
4-Bromophenyl-phenylether
Concen: 2.808 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 4691
Ion Ratio Lower Upper
248 100
250 195.0 73.4 110.2#
141 450.5 52.9 79.3#

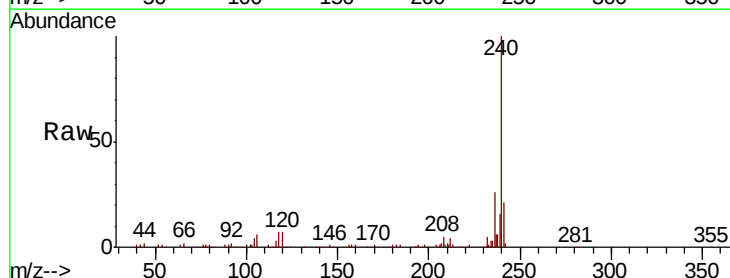


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

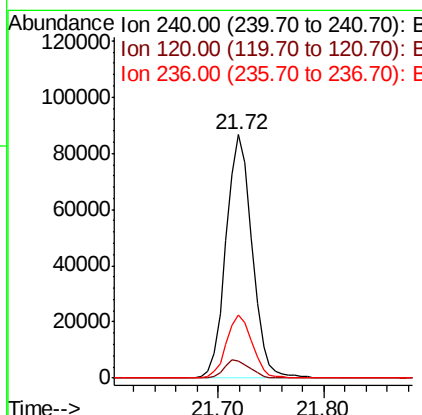
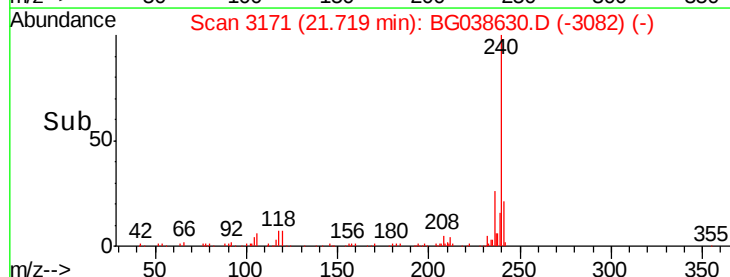


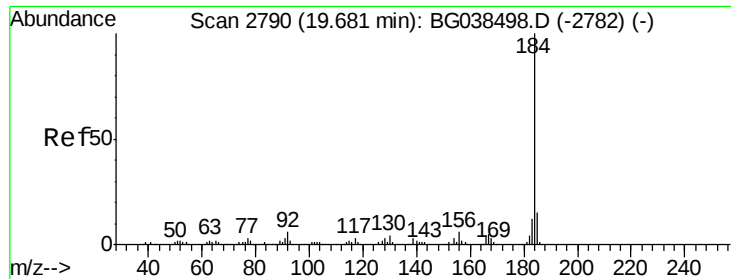
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038630.D
Acq: 16 Dec 2018 8:08

Tgt Ion:240 Resp: 148073
Ion Ratio Lower Upper
240 100
120 6.8 5.3 7.9
236 26.0 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: 2.033 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

Instrument :

BNA_G

ClientSampleId :

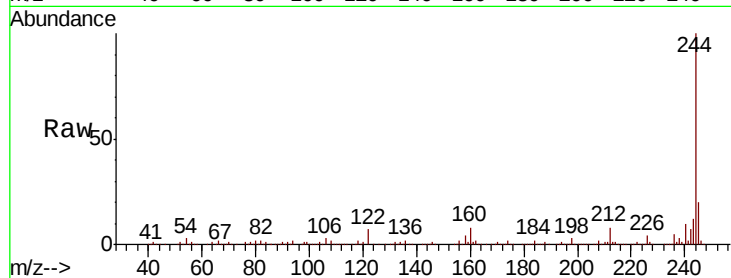
Tot Ion:184 Resp: 8901

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.2

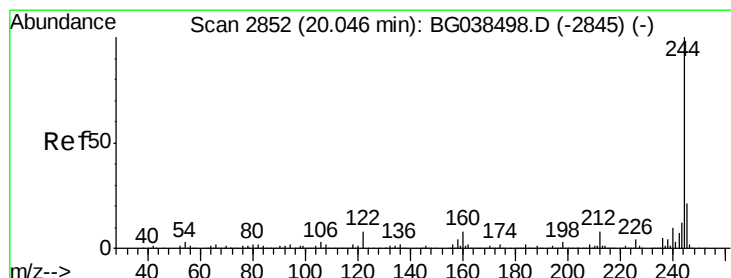
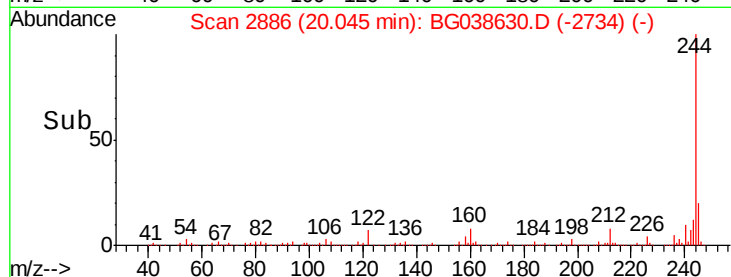
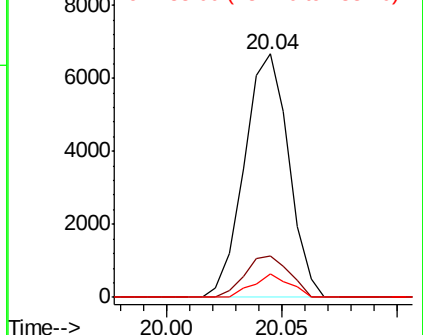
183 9.9 9.6 14.4



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: 77.188 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038630.D

Acq: 16 Dec 2018 8:08

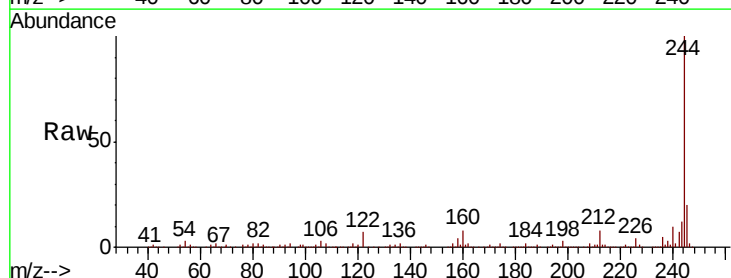
Tgt Ion:244 Resp: 525173

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

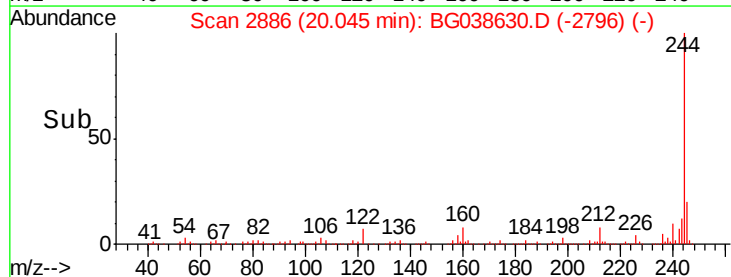
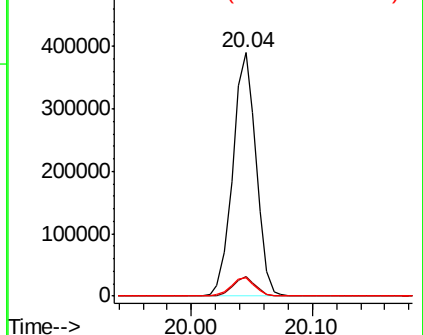
122 7.4 6.3 9.5

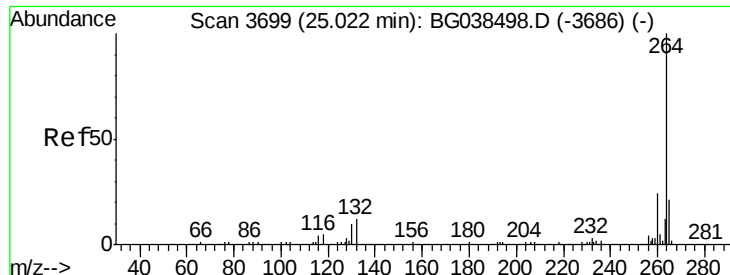


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3732
 Delta R.T. -0.01 min
 Lab File: BG038630.D
 Acq: 16 Dec 2018 8:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.8	17.0	25.4

