

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038882.D
 Acq On : 28 Dec 2018 20:29
 Operator : JU/SJ
 Sample : J6193-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 00:21:40 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

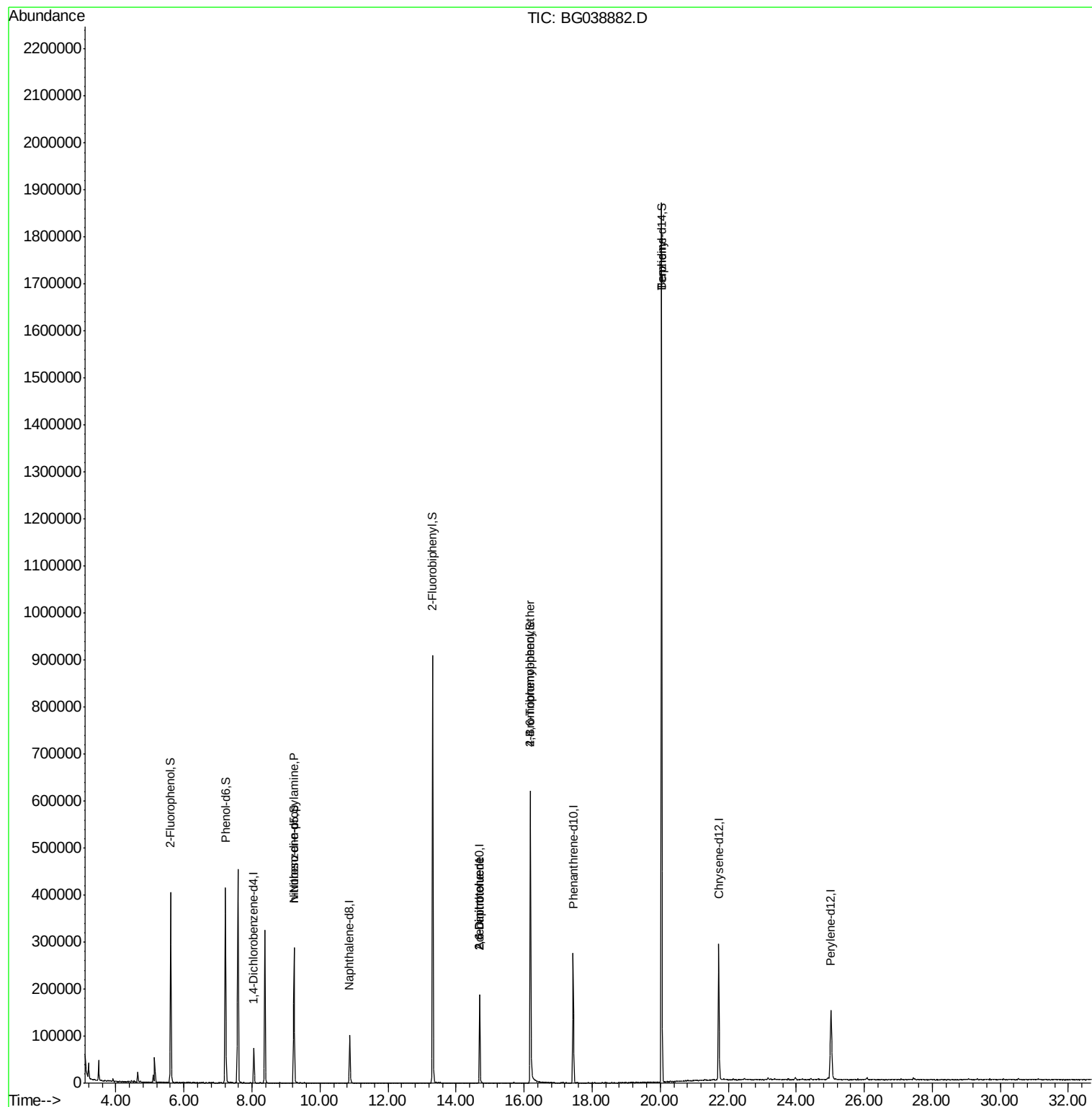
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	21778	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	94804	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	72517	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	182740	20.00	ng	0.00
76) Chrysene-d12	21.72	240	189359	20.00	ng	0.00
87) Perylene-d12	25.02	264	199833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	178404	145.30	ng	0.00
7) Phenol-d6	7.22	99	240399	142.62	ng	0.01
23) Nitrobenzene-d5	9.23	82	173196	93.33	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	145984	146.07	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	504219	95.39	ng	0.00
79) Terphenyl-d14	20.04	244	949324	109.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	23250	19.639	ng	# 67
51) 2,6-Dinitrotoluene	14.69	165	9340	6.960	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9340	4.941	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9710	4.351	ng	# 1
77) Benzidine	20.04	184	15217	2.717	ng	# 92

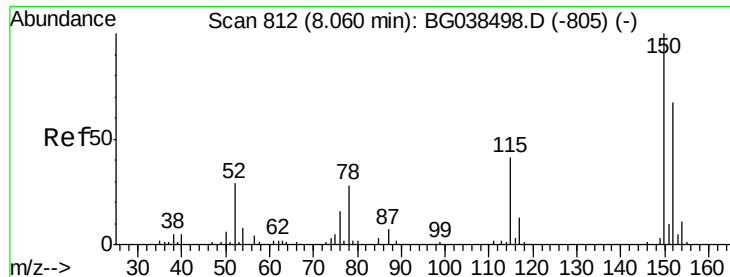
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



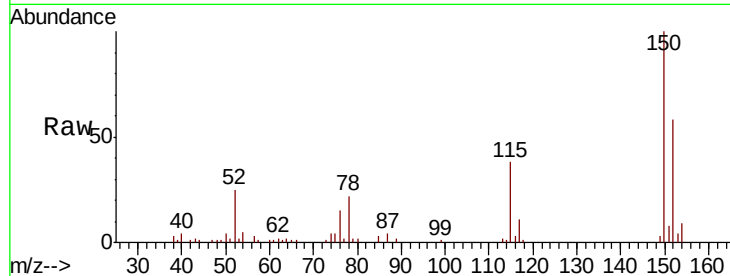


#1

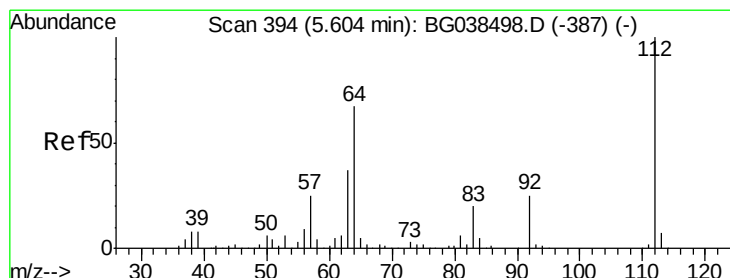
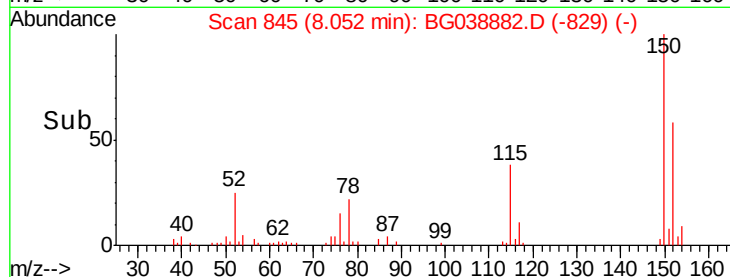
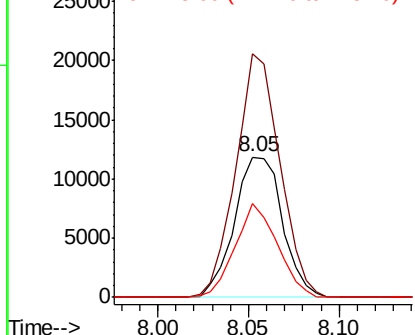
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 21778
Ion Ratio Lower Upper
152 100
150 173.3 119.5 179.3
115 66.6 49.6 74.4



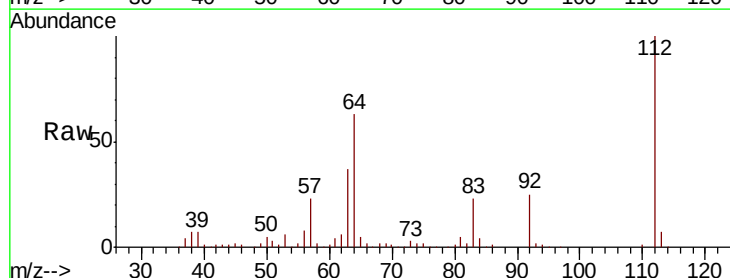
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



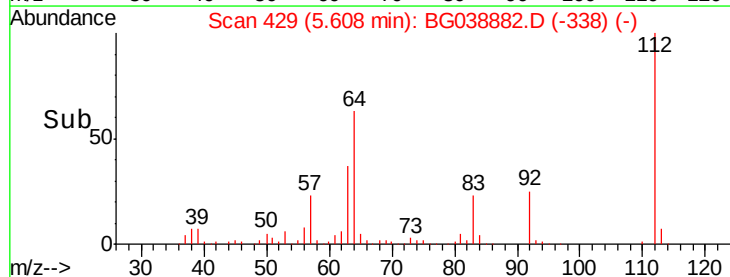
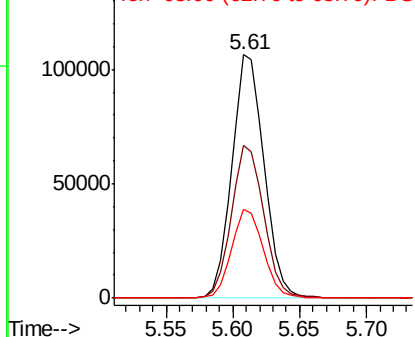
#5

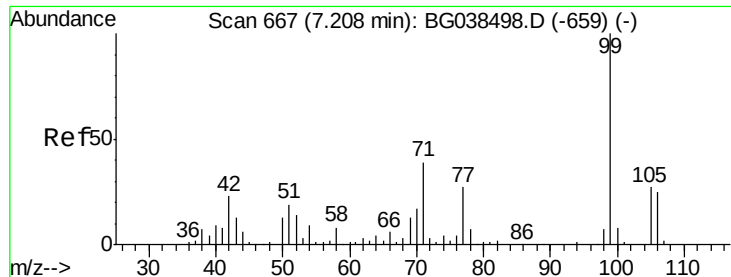
2-Fluorophenol
Concen: 145.296 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Tgt Ion:112 Resp: 178404
Ion Ratio Lower Upper
112 100
64 62.5 53.4 80.2
63 36.7 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: 142.618 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

Instrument :

BNA_G

ClientSampleId :

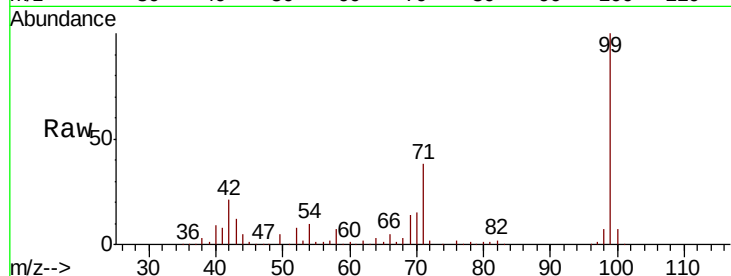
Tot Ion: 99 Resp: 240399

Ion Ratio Lower Upper

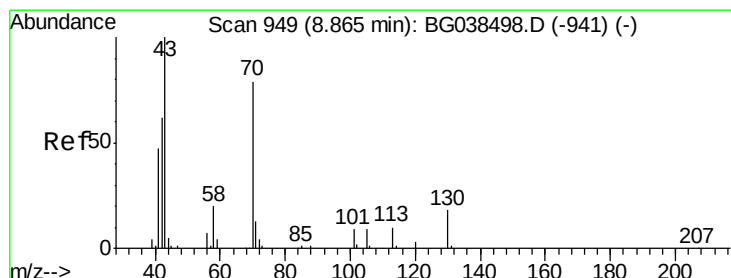
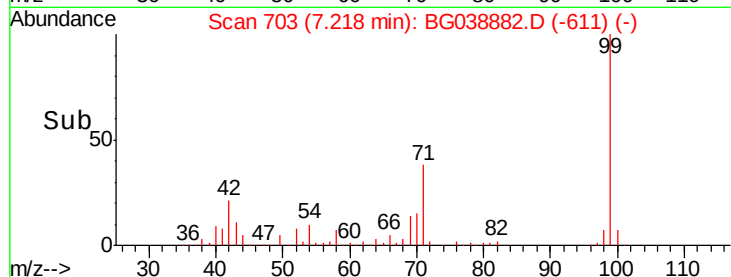
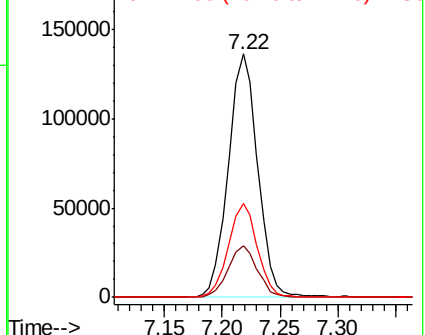
99 100

42 21.4 18.5 27.7

71 38.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.639 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

Tgt Ion: 70 Resp: 23250

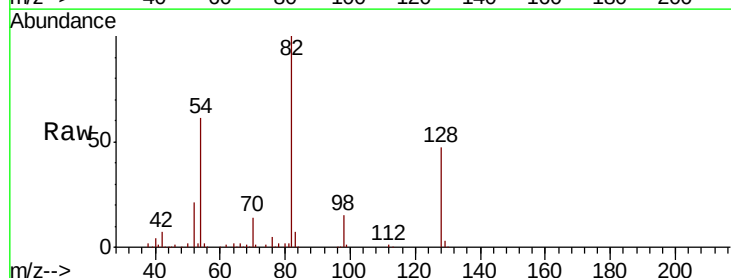
Ion Ratio Lower Upper

70 100

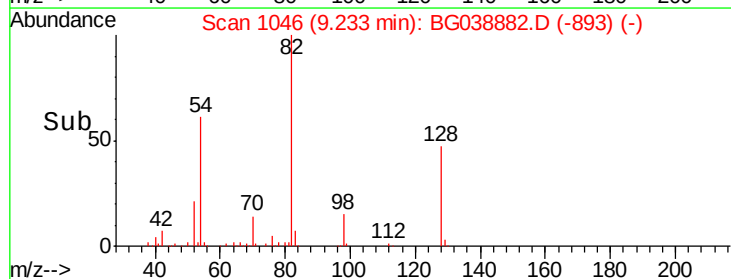
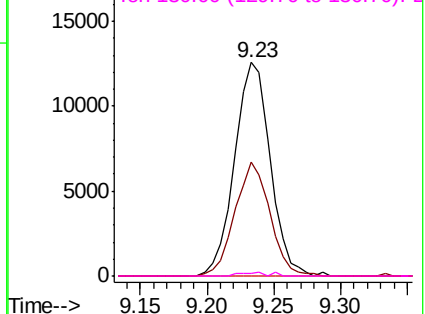
42 53.6 63.6 95.4#

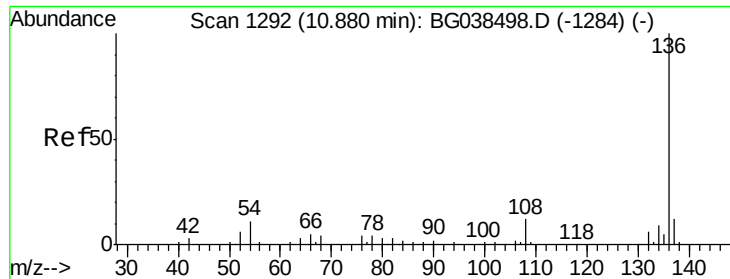
101 0.0 9.2 13.8#

130 1.4 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

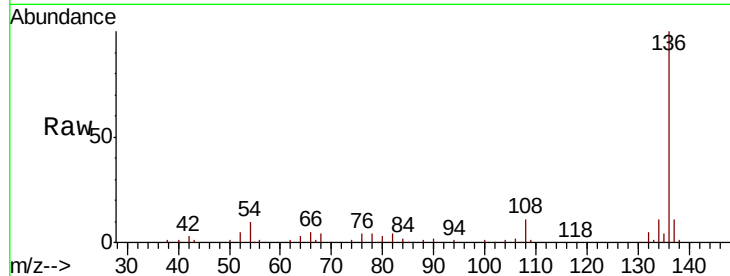




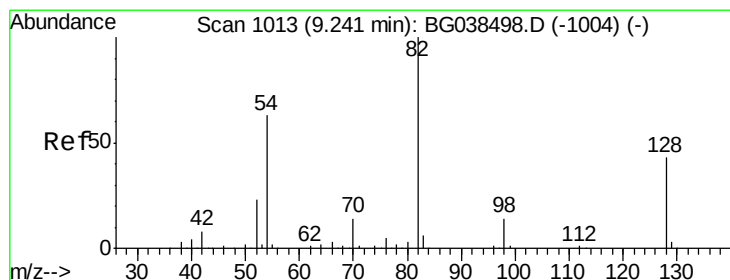
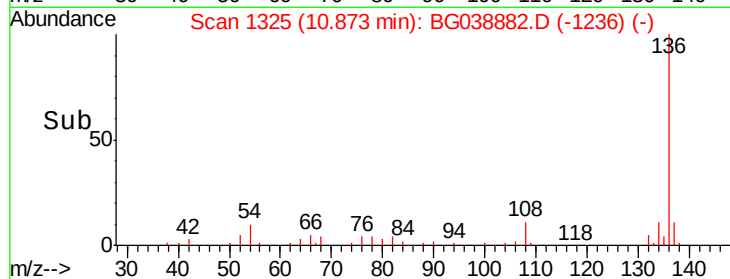
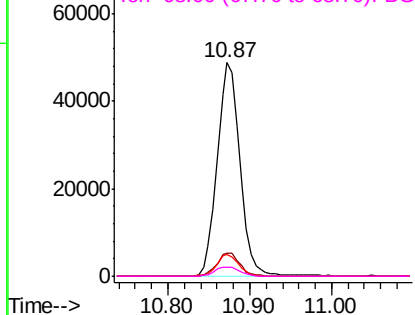
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	94804
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	10.0	8.5	12.7
68	4.3	3.5	5.3

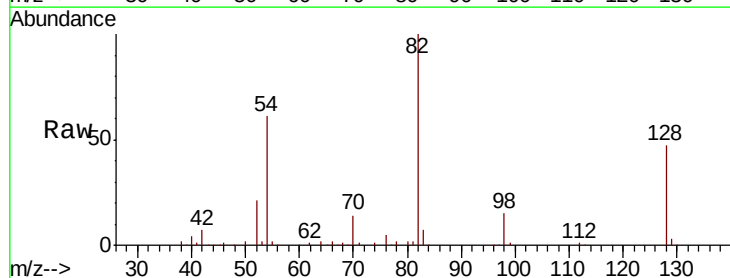


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

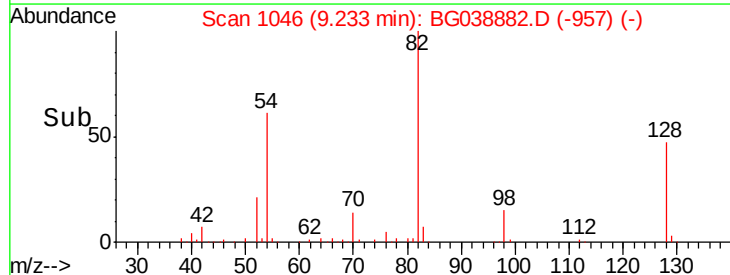
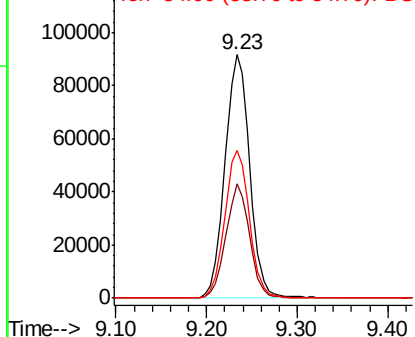


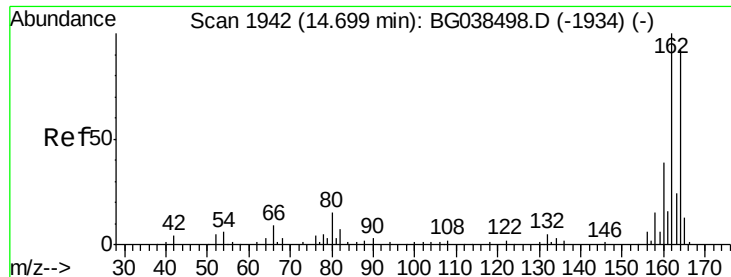
#23
Nitrobenzene-d5
Concen: 93.330 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Tgt Ion:	82	Resp:	173196
Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.6	52.0
54	60.9	50.6	76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

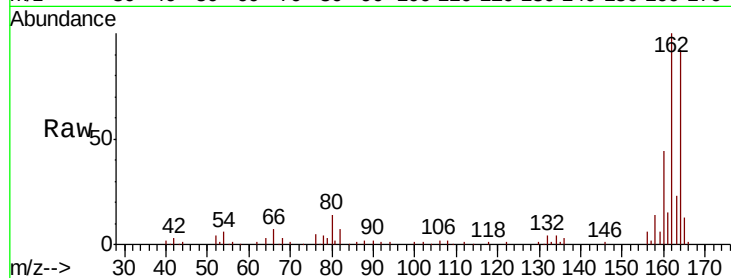
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 72517

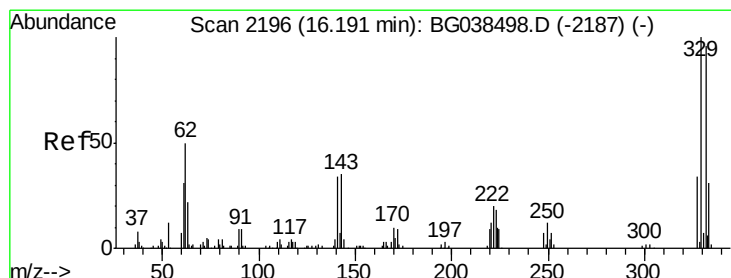
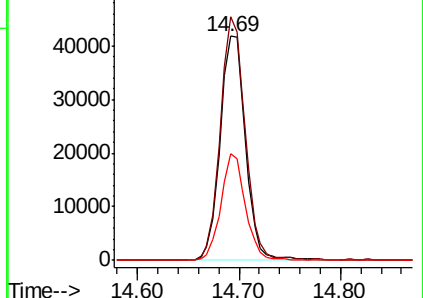
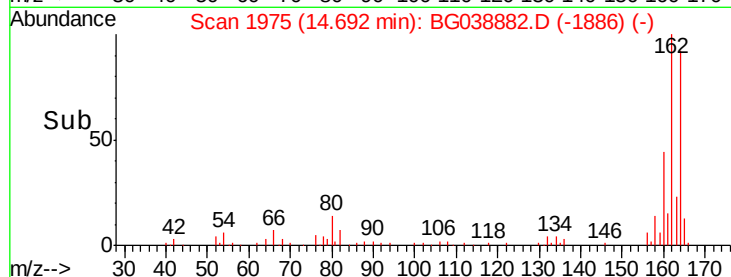
Ion	Ratio	Lower	Upper
164	100		
162	108.5	86.6	130.0
160	47.6	34.2	51.2



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: 146.069 ng

RT: 16.18 min Scan# 2229

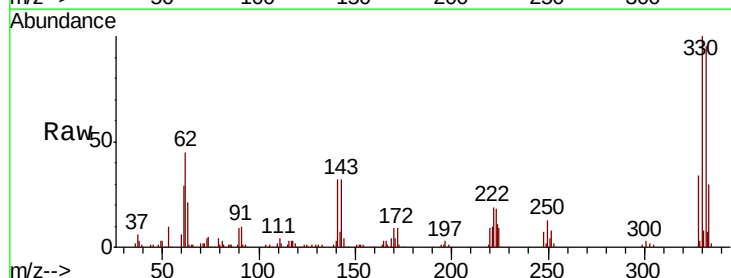
Delta R.T. -0.01 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

Tgt Ion:330 Resp: 145984

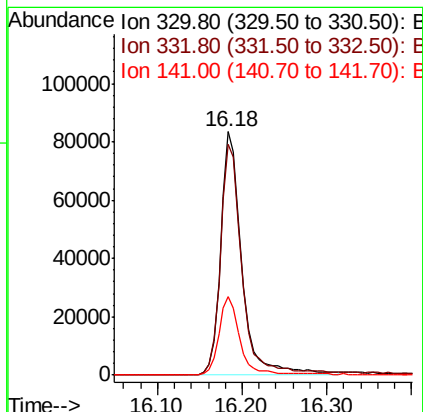
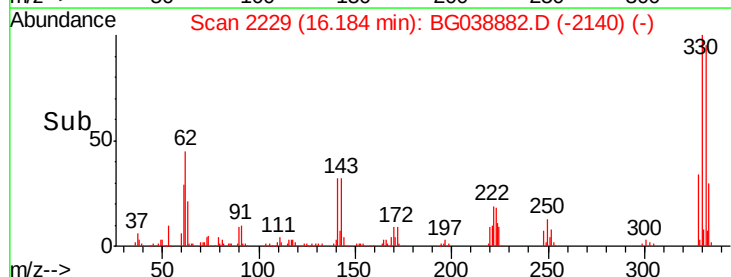
Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.9	115.3
141	32.2	28.8	43.2

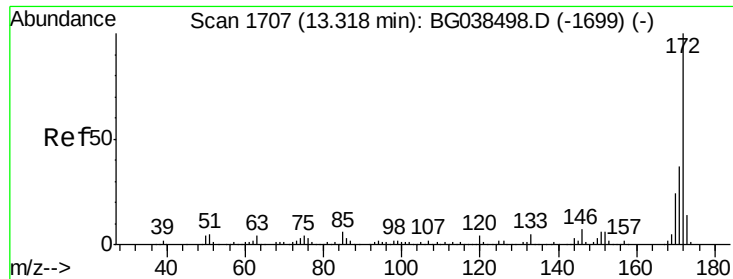


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

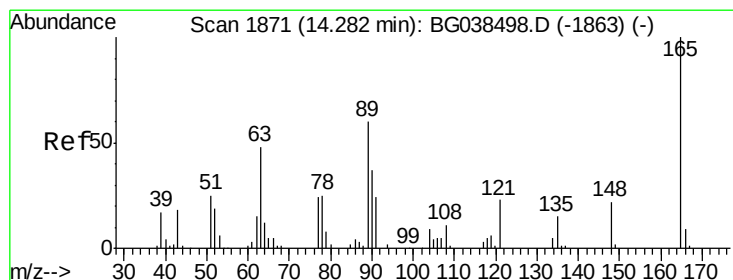
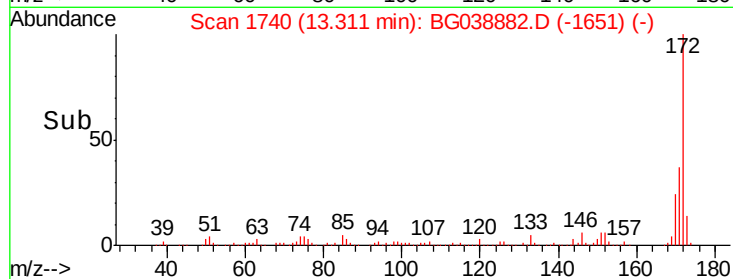
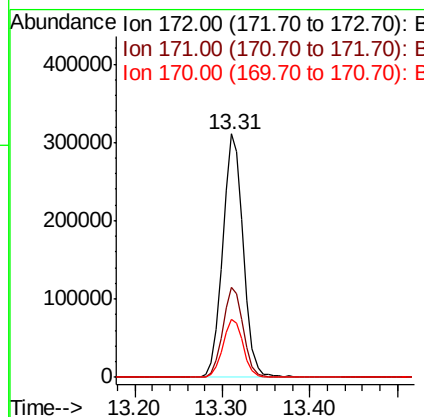
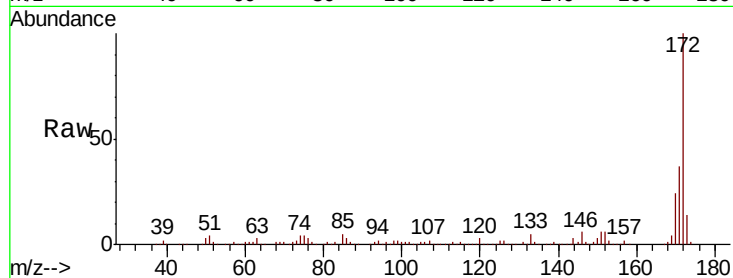




#45
 2-Fluorobiphenyl
 Concen: 95.386 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038882.D
 Acq: 28 Dec 2018 20:29

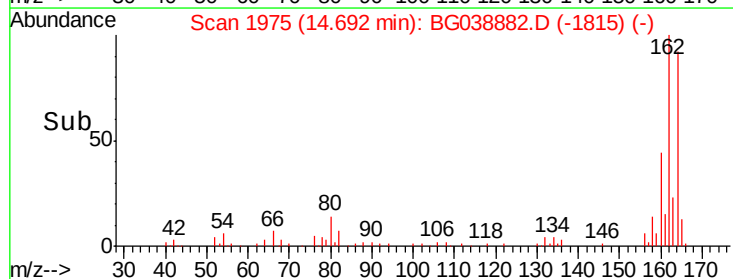
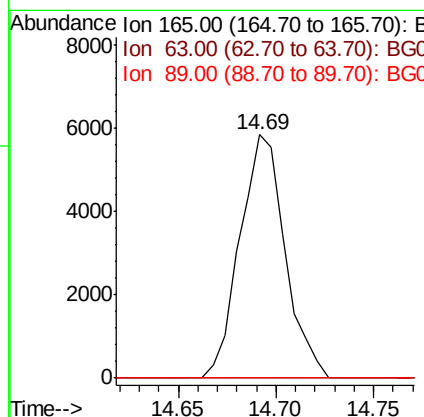
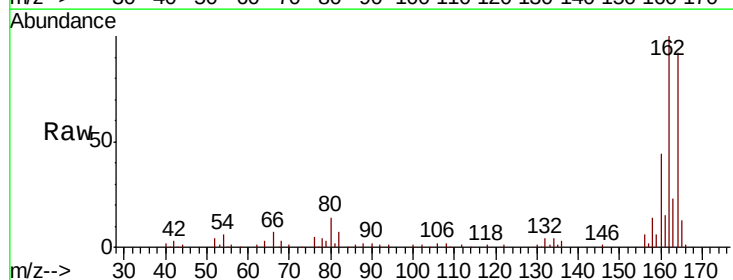
Instrument :
 BNA_G
 ClientSampleId :

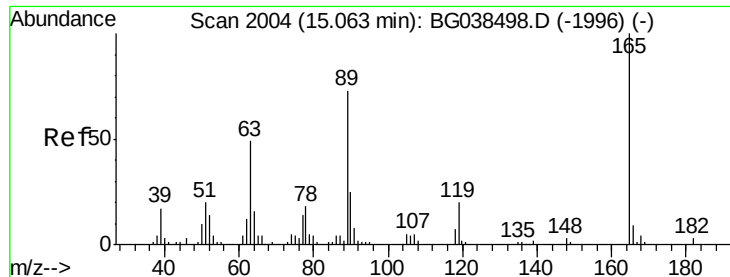
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.0	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.960 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038882.D
 Acq: 28 Dec 2018 20:29

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

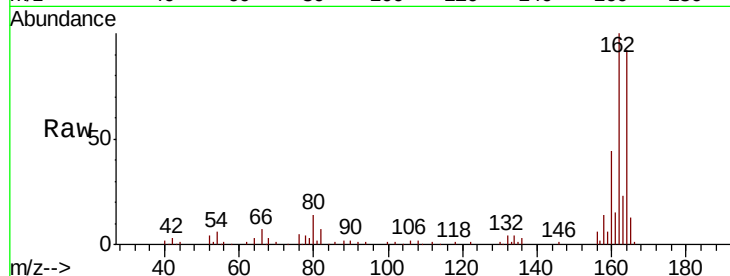




#57
 2,4-Dinitrotoluene
 Concen: 4.941 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038882.D
 Acq: 28 Dec 2018 20:29

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#



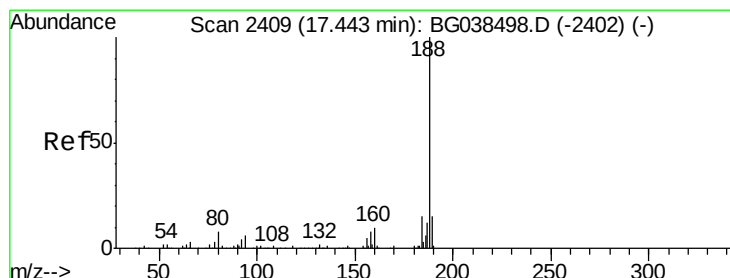
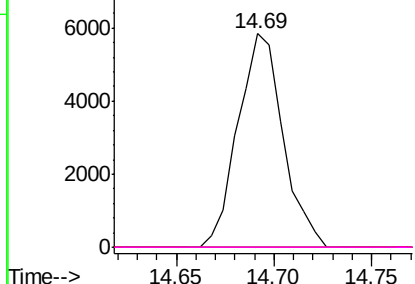
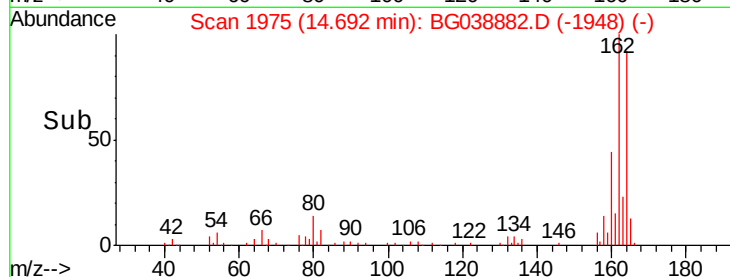
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

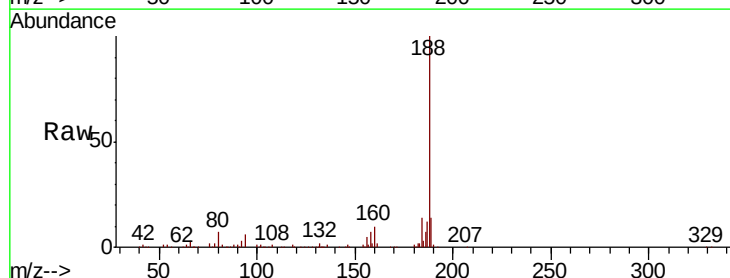
Ion 89.00 (88.70 to 89.70): BGC

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: BG038882.D
 Acq: 28 Dec 2018 20:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	6.7	6.1	9.1

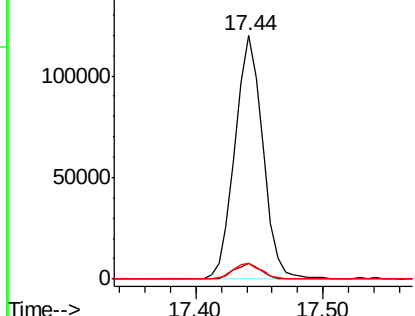
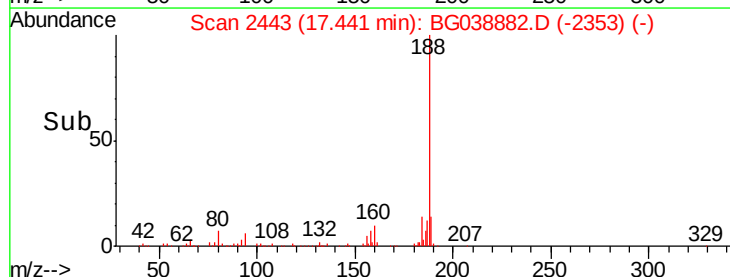


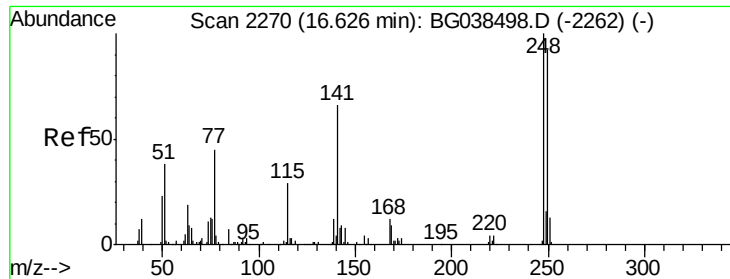
Abundance

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

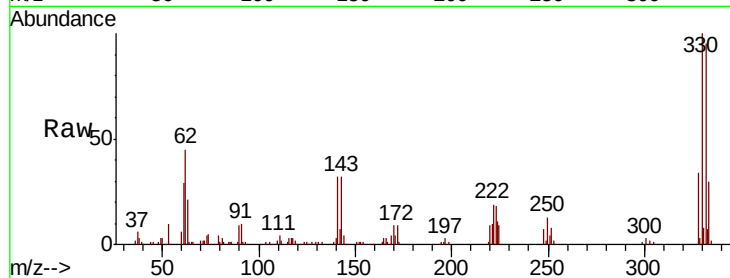




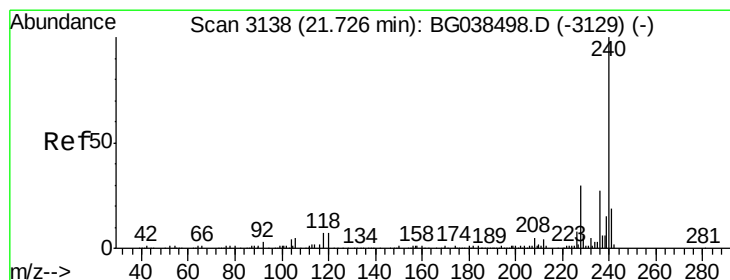
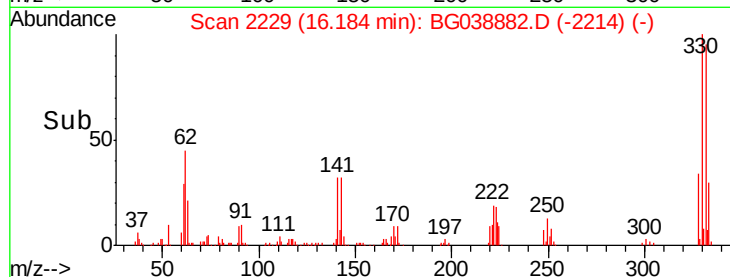
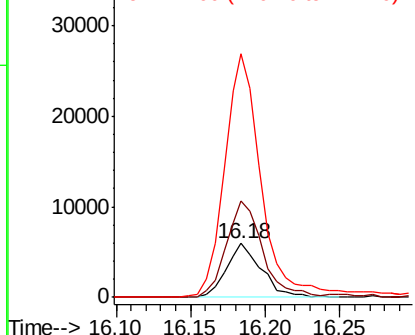
#67
4-Bromophenyl-phenylether
Concen: 4.351 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9710
Ion Ratio Lower Upper
248 100
250 169.8 73.4 110.2#
141 335.3 52.9 79.3#

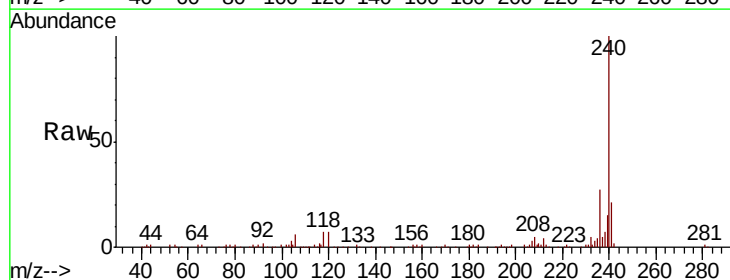


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

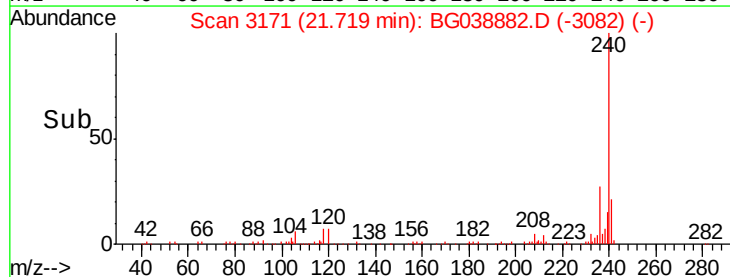
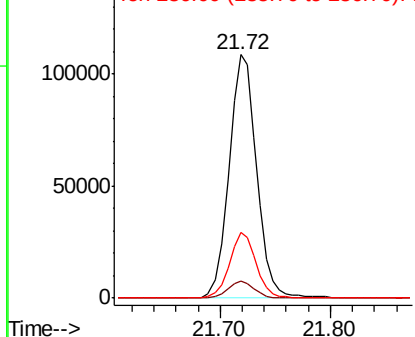


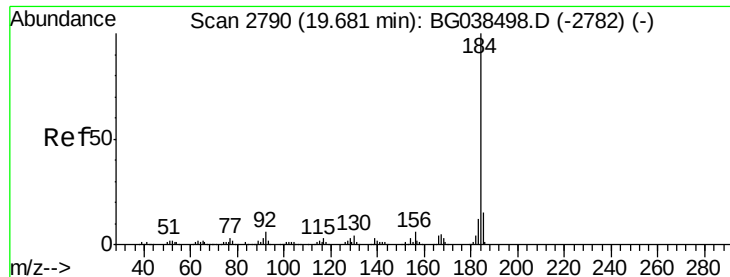
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038882.D
Acq: 28 Dec 2018 20:29

Tgt Ion:240 Resp: 189359
Ion Ratio Lower Upper
240 100
120 7.1 5.3 7.9
236 26.7 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: 2.717 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

Instrument :

BNA_G

ClientSampleId :

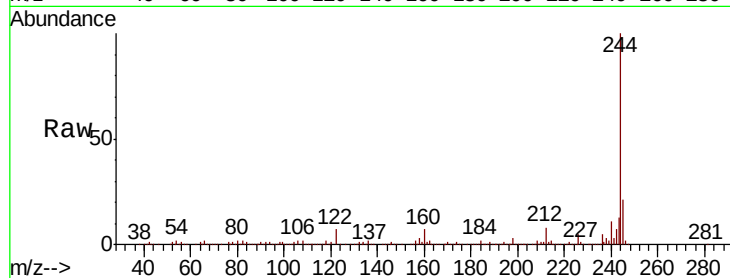
Tot Ion:184 Resp: 15217

Ion Ratio Lower Upper

184 100

185 18.9 12.2 18.2#

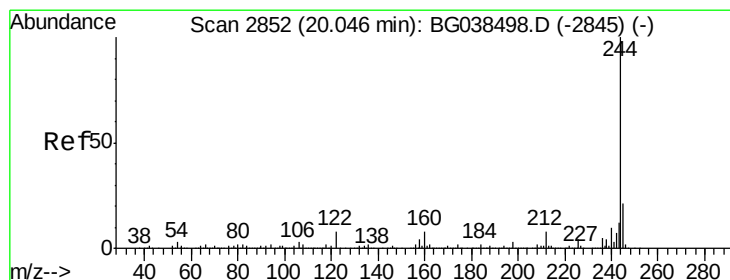
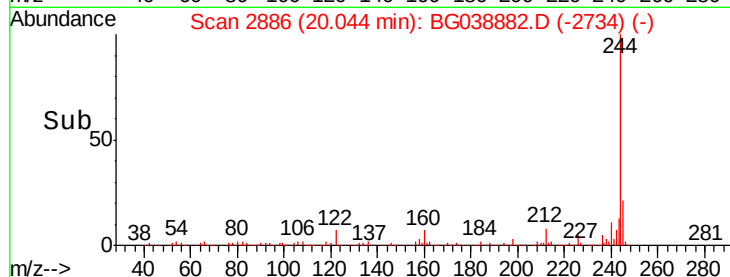
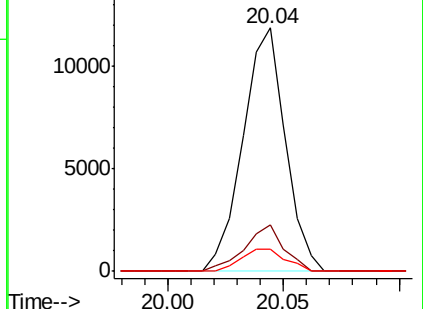
183 9.1 9.6 14.4#



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: 109.107 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038882.D

Acq: 28 Dec 2018 20:29

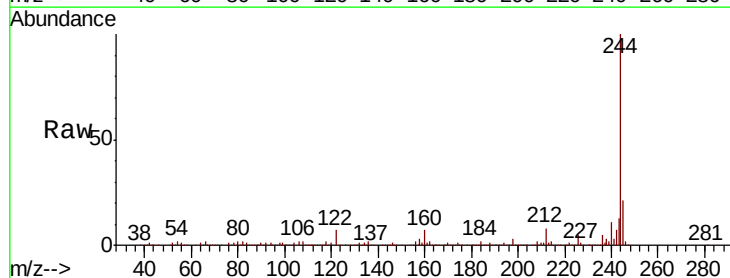
Tgt Ion:244 Resp: 949324

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

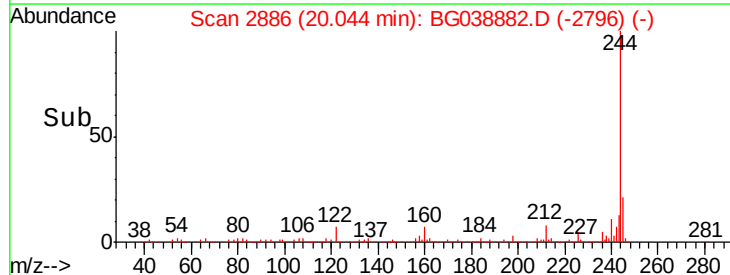
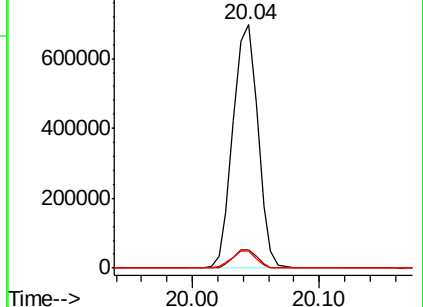
122 6.8 6.3 9.5

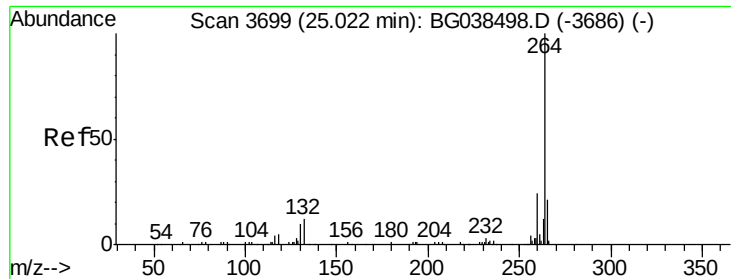


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038882.D
Acq: 28 Dec 2018 20:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	20.0	17.0	25.4

