

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038575.D
 Acq On : 14 Dec 2018 19:47
 Operator : JU/SJ
 Sample : PB115331BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115331BL

Quant Time: Dec 14 22:56:02 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

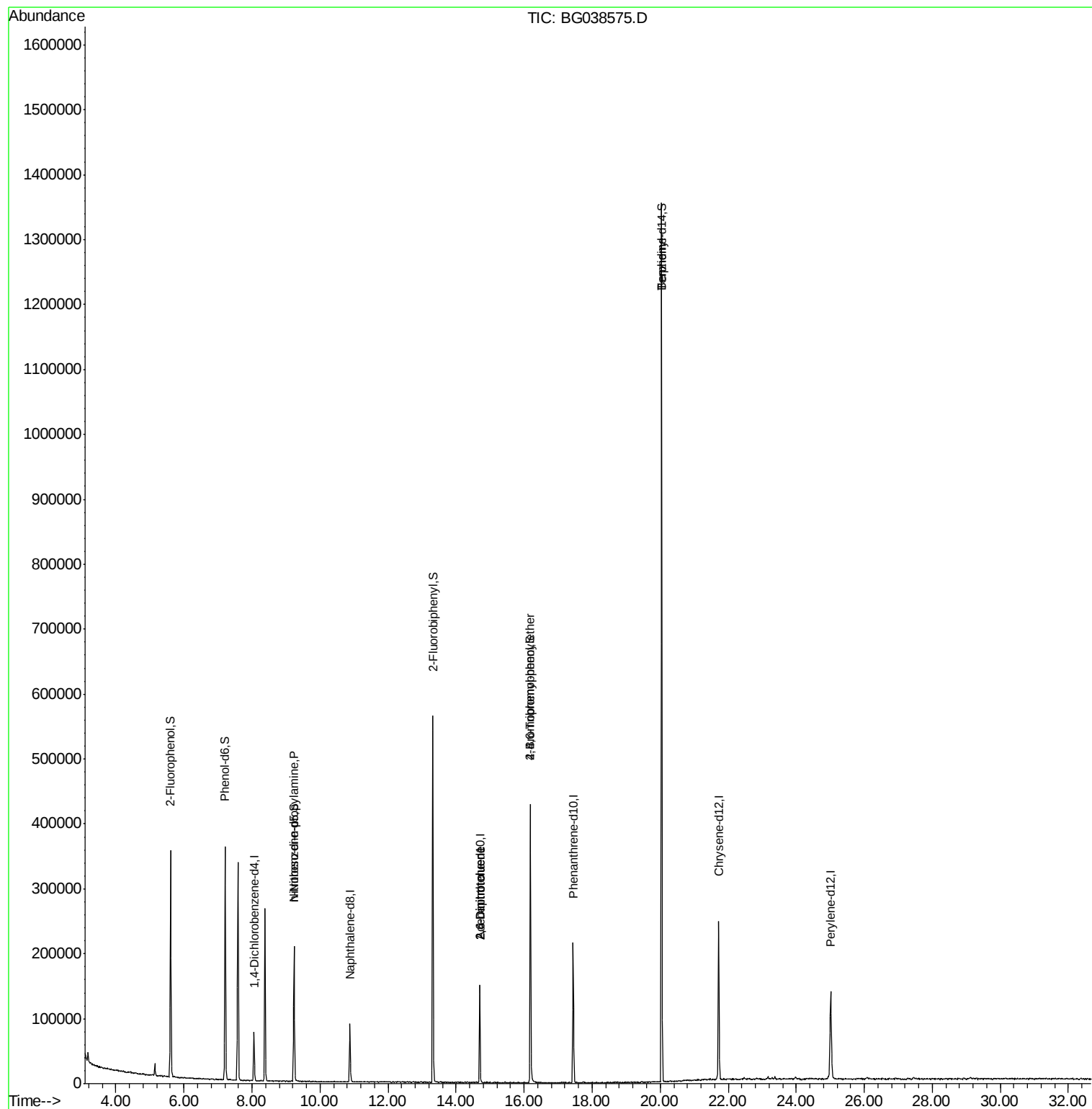
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20895	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	83014	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	55478	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	144633	20.00	ng	0.00
76) Chrysene-d12	21.72	240	156749	20.00	ng	0.00
87) Perylene-d12	25.02	264	161875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	149029	126.50	ng	0.00
7) Phenol-d6	7.21	99	199388	123.29	ng	0.00
23) Nitrobenzene-d5	9.23	82	130432	80.27	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	85587	111.94	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	308456	76.27	ng	0.00
79) Terphenyl-d14	20.04	244	645894	89.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	17395	15.314	ng	# 64
51) 2,6-Dinitrotoluene	14.69	165	7033	6.850	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7033	4.864	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	5921	3.352	ng	# 1
77) Benzidine	20.04	184	11338	2.446	ng	# 95

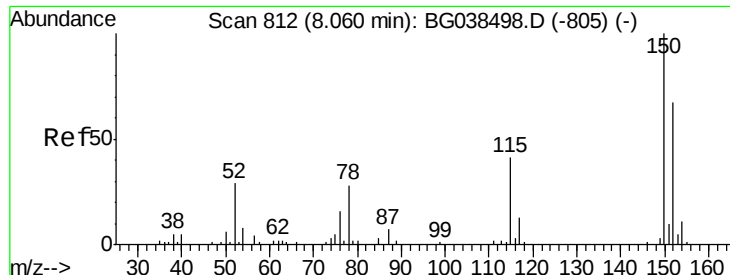
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

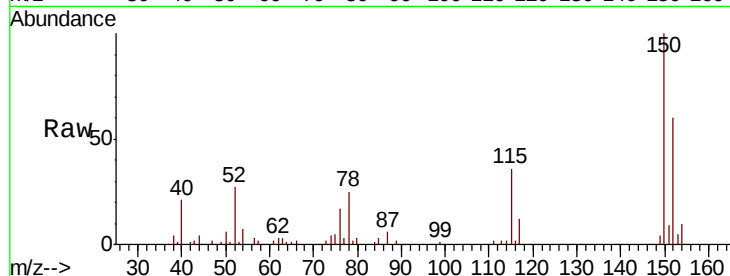




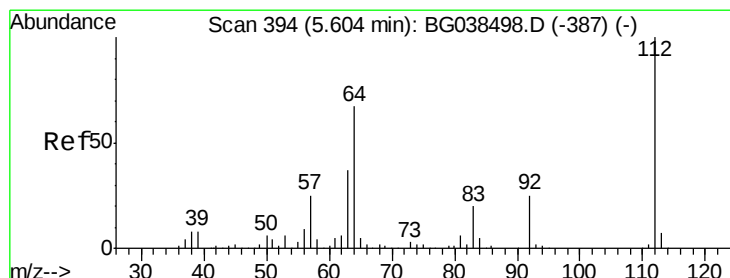
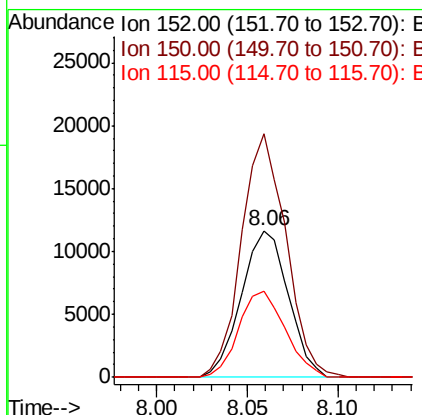
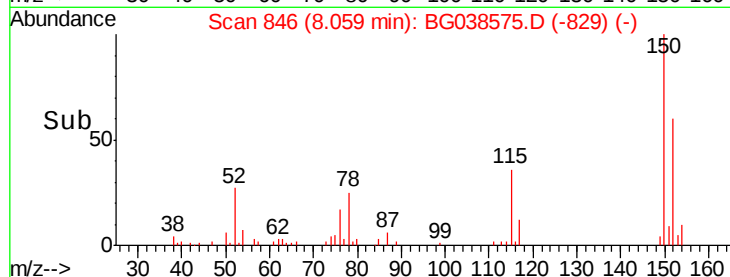
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 PB115331BL

Tgt Ion:152 Resp: 20895
 Ion Ratio Lower Upper
 152 100
 150 166.4 119.5 179.3
 115 59.2 49.6 74.4

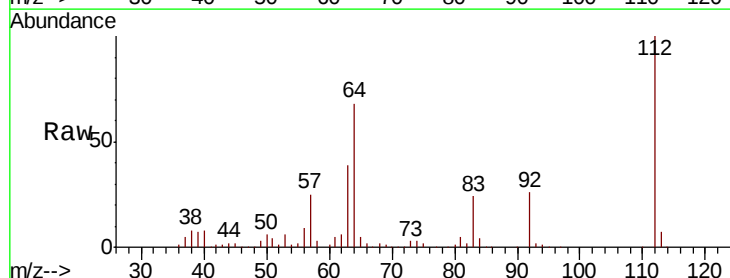


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

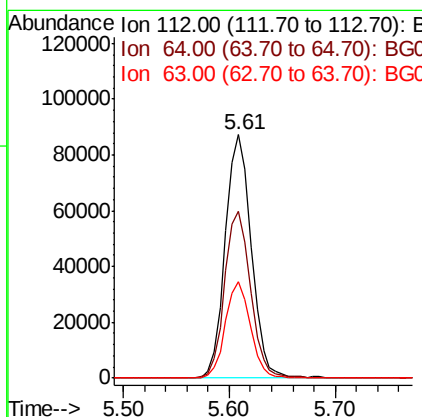
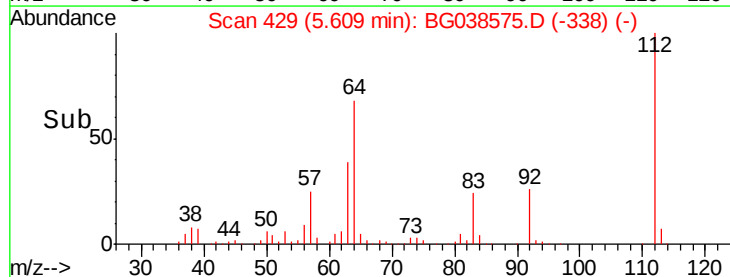


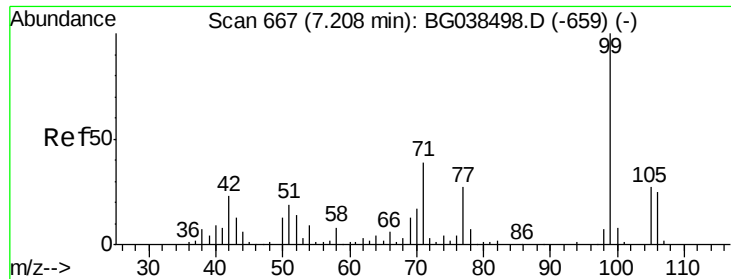
#5
 2-Fluorophenol
 Concen: 126.502 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Tgt Ion:112 Resp: 149029
 Ion Ratio Lower Upper
 112 100
 64 68.5 53.4 80.2
 63 39.4 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: 123.287 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

Instrument :

BNA_G

ClientSampleId :

PB115331BL

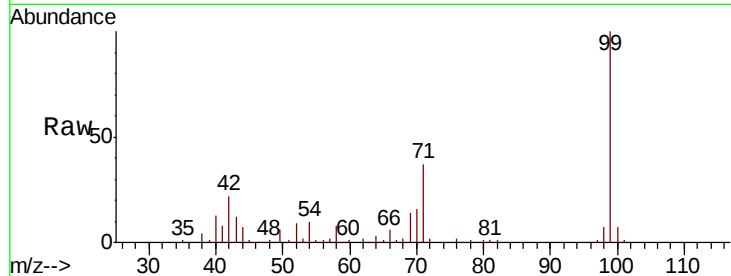
Tgt Ion: 99 Resp: 199388

Ion Ratio Lower Upper

99 100

42 22.4 18.5 27.7

71 37.1 31.1 46.7

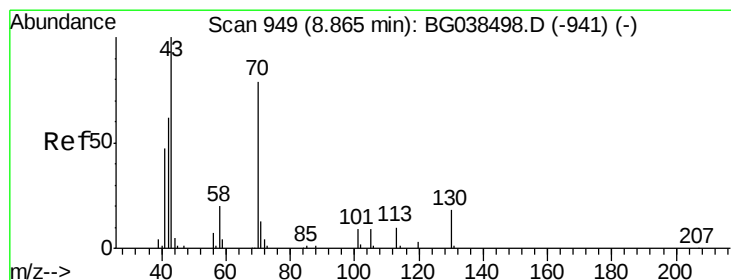
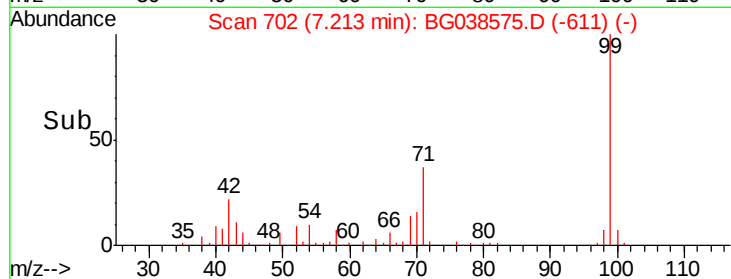
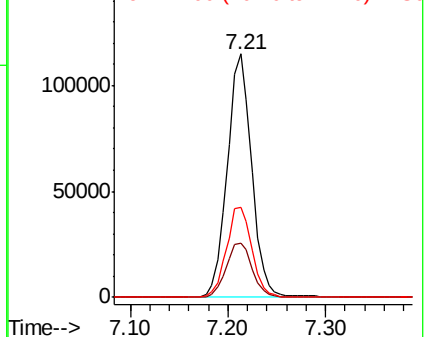


Abundance

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: 15.314 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

Tgt Ion: 70 Resp: 17395

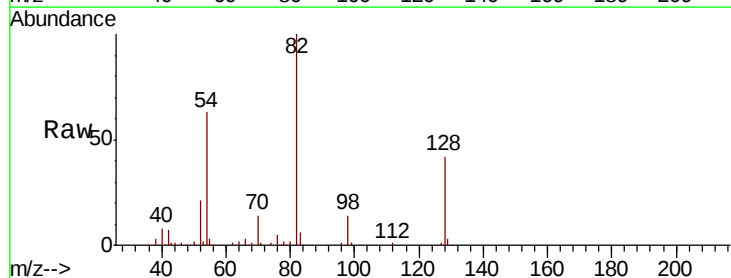
Ion Ratio Lower Upper

70 100

42 48.3 63.6 95.4#

101 0.0 9.2 13.8#

130 2.9 18.5 27.7#



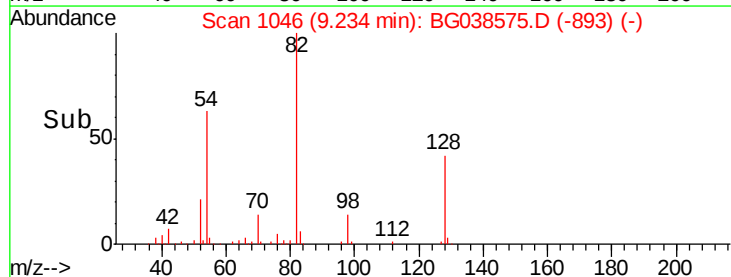
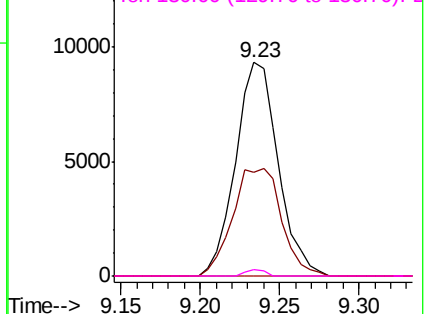
Abundance

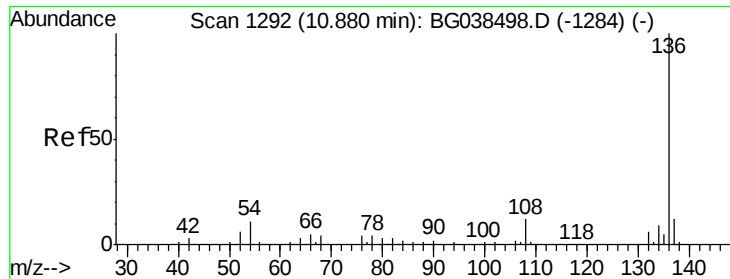
Ion 70.00 (69.70 to 70.70): BGC

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

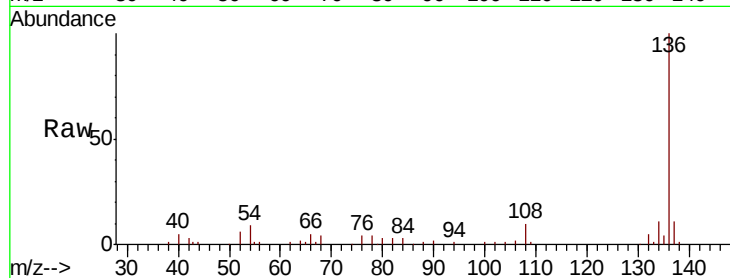




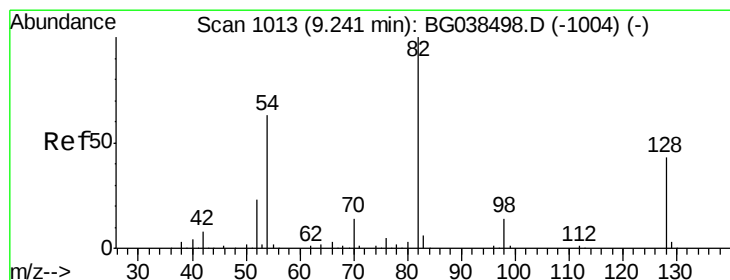
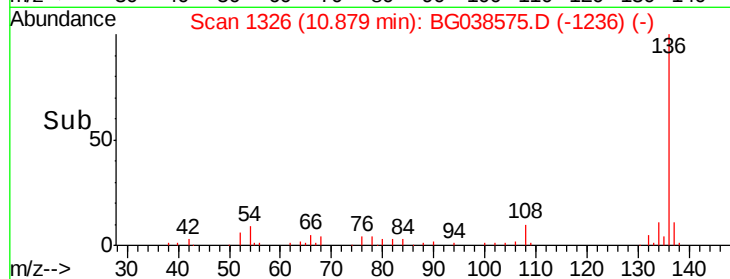
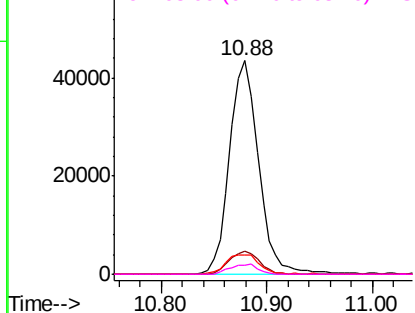
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038575.D
Acq: 14 Dec 2018 19:47

Instrument :
BNA_G
ClientSampleId :
PB115331BL

Tgt Ion:	136	Resp:	83014
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	9.1	8.5	12.7
68	4.3	3.5	5.3

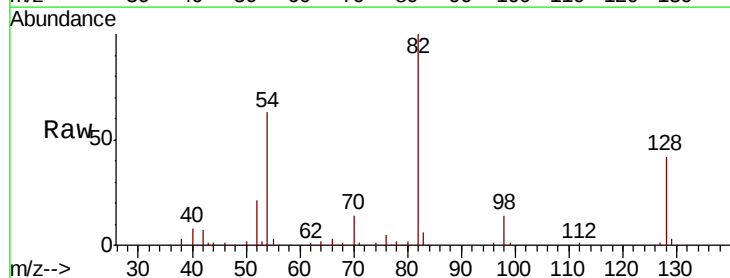


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

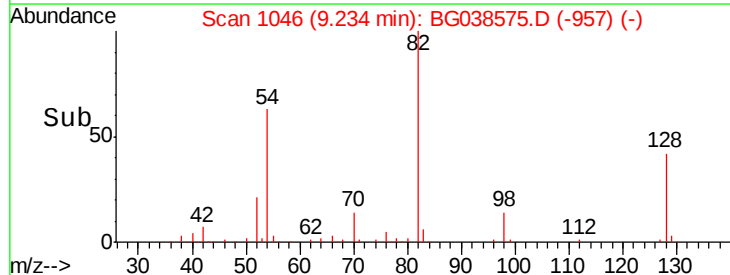
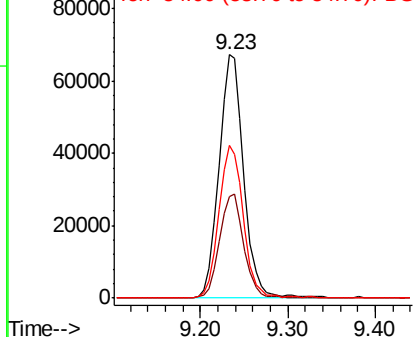


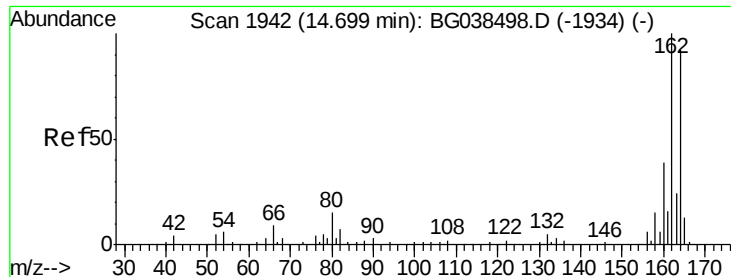
#23
Nitrobenzene-d5
Concen: 80.268 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038575.D
Acq: 14 Dec 2018 19:47

Tgt Ion:	82	Resp:	130432
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	62.6	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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

Instrument :

BNA_G

ClientSampleId :

PB115331BL

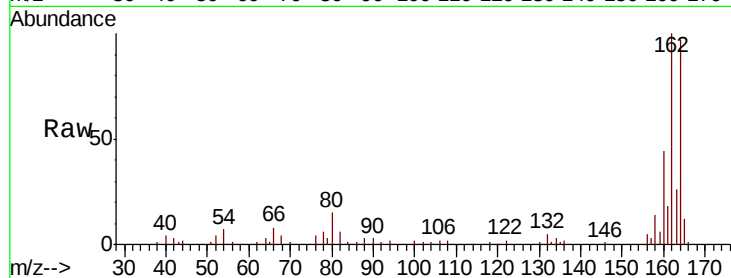
Tgt Ion:164 Resp: 55478

Ion Ratio Lower Upper

164 100

162 103.6 86.6 130.0

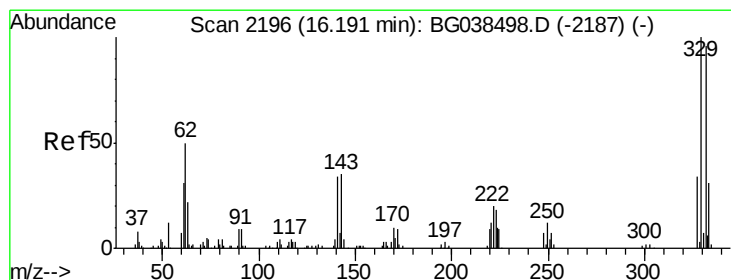
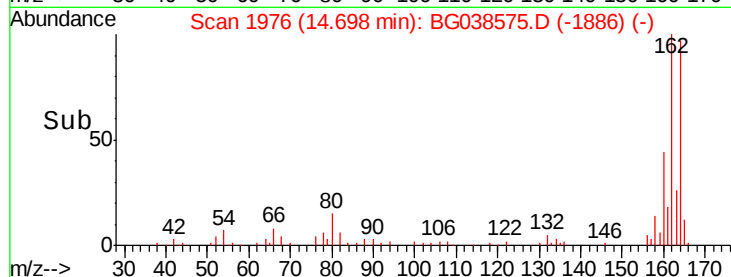
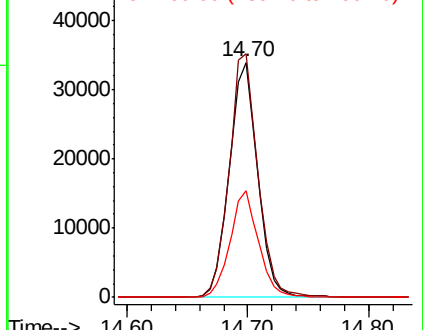
160 45.5 34.2 51.2



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: 111.939 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

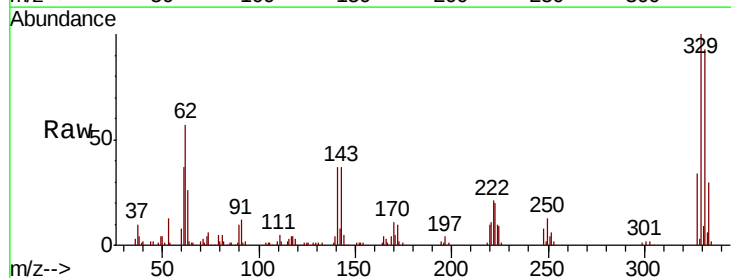
Tgt Ion:330 Resp: 85587

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

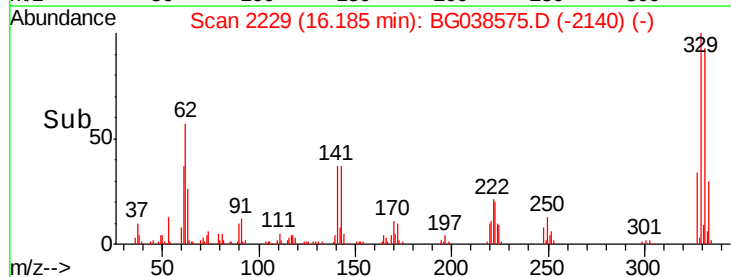
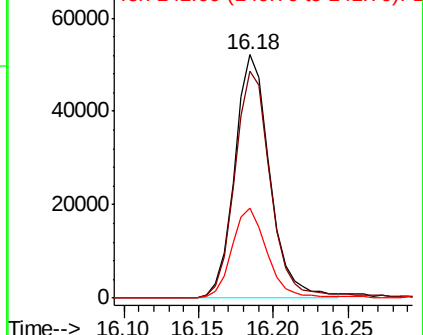
141 37.4 28.8 43.2

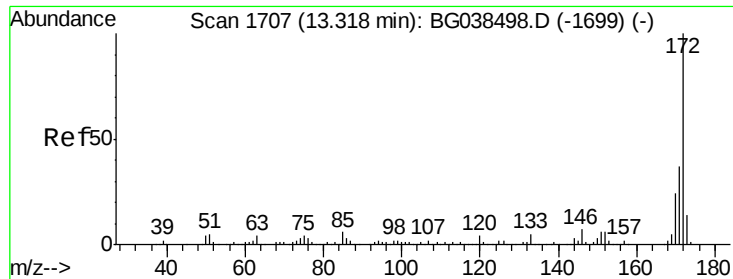


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

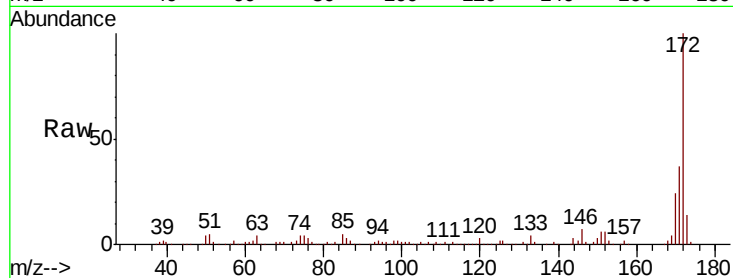




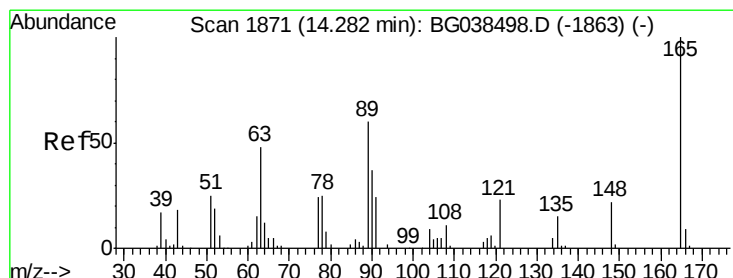
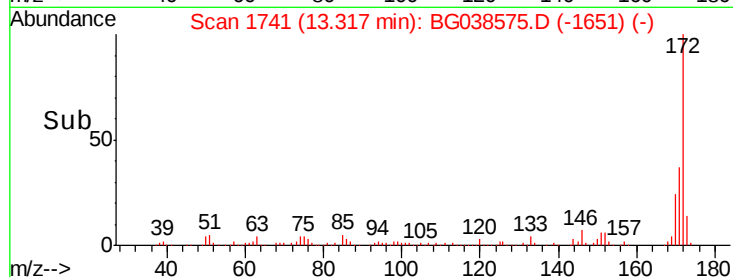
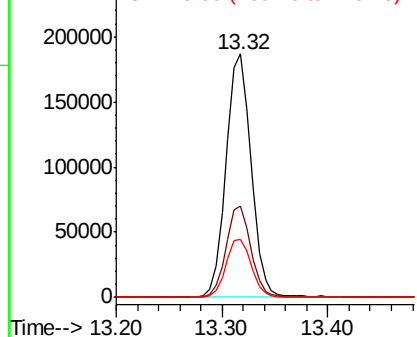
#45
 2-Fluorobiphenyl
 Concen: 76.274 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 PB115331BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	24.0	19.5	29.3

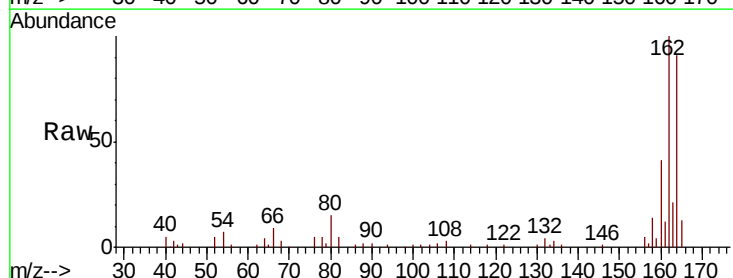


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

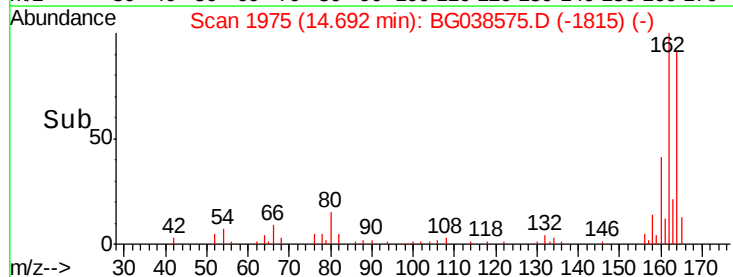
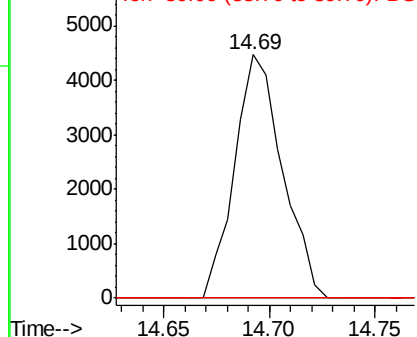


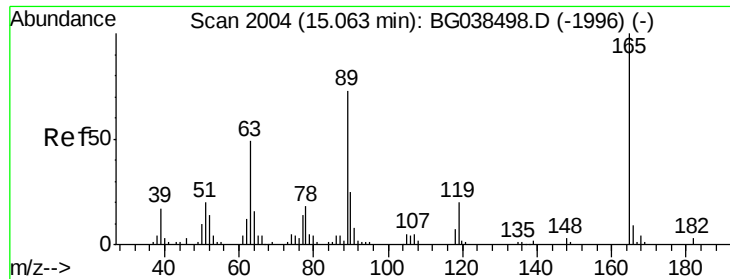
#51
 2,6-Dinitrotoluene
 Concen: 6.850 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Tgt 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

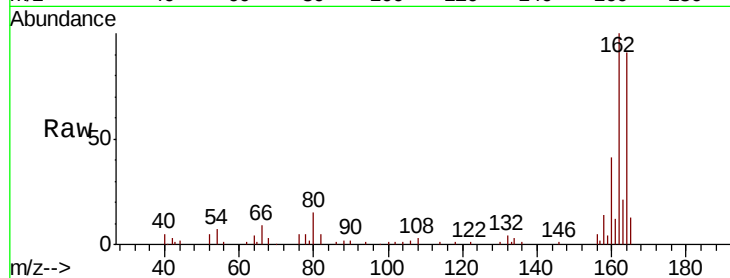




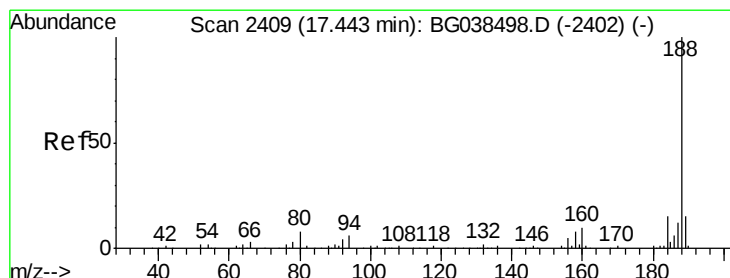
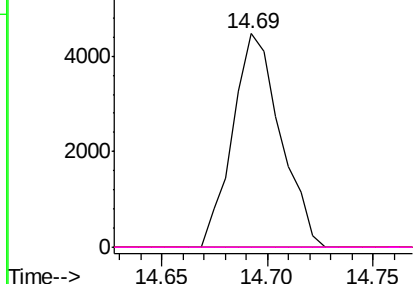
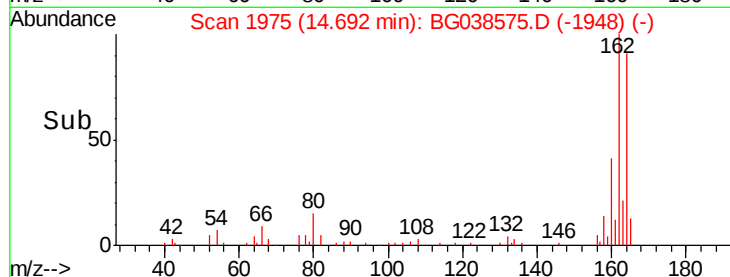
#57
 2,4-Dinitrotoluene
 Concen: 4.864 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 PB115331BL

Tgt Ion:165 Resp: 7033
 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#

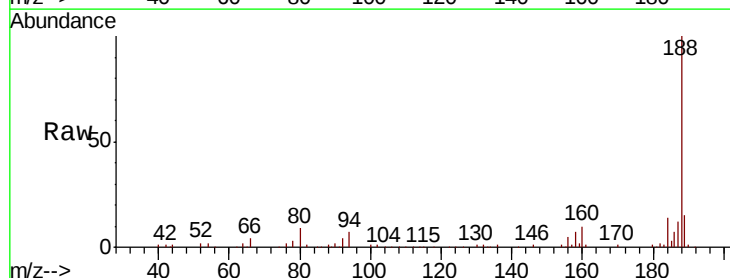


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

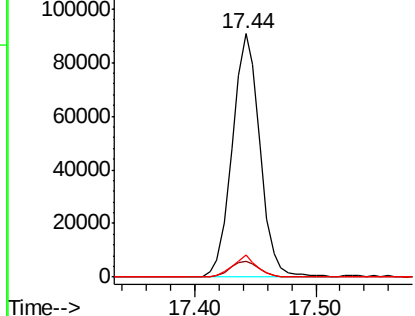
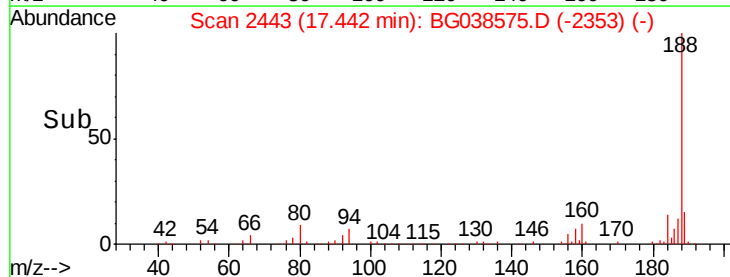


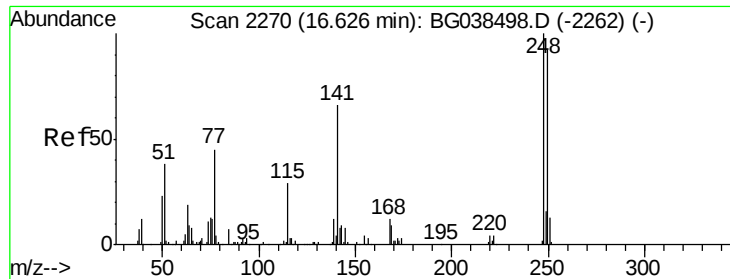
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038575.D
 Acq: 14 Dec 2018 19:47

Tgt Ion:188 Resp: 144633
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.1 7.7
 80 9.1 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

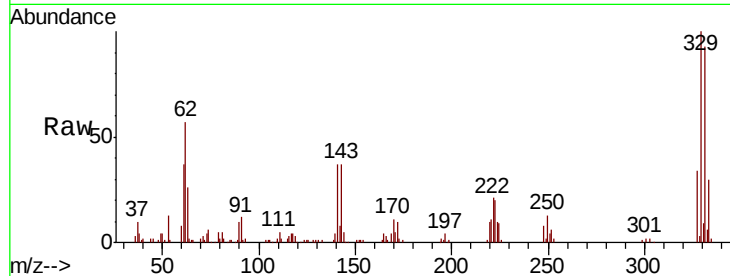




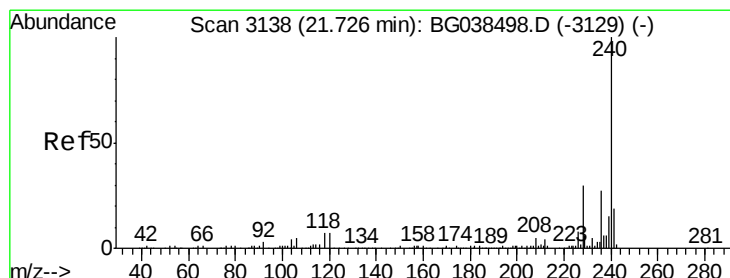
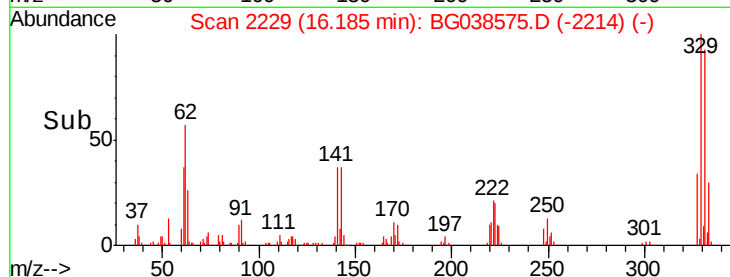
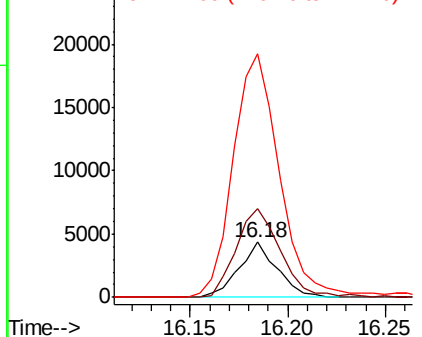
#67
4-Bromophenyl-phenylether
Concen: 3.352 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038575.D
Acq: 14 Dec 2018 19:47

Instrument :
BNA_G
ClientSampleId :
PB115331BL

Tgt Ion:248 Resp: 5921
Ion Ratio Lower Upper
248 100
250 163.7 73.4 110.2#
141 349.4 52.9 79.3#

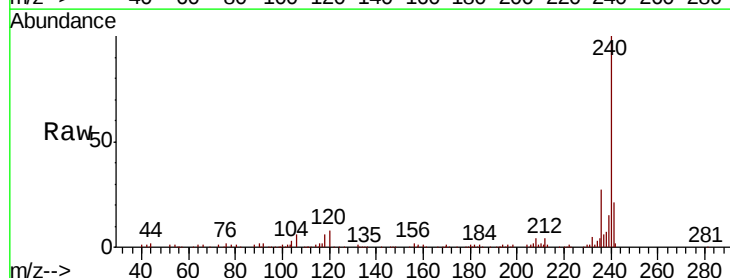


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

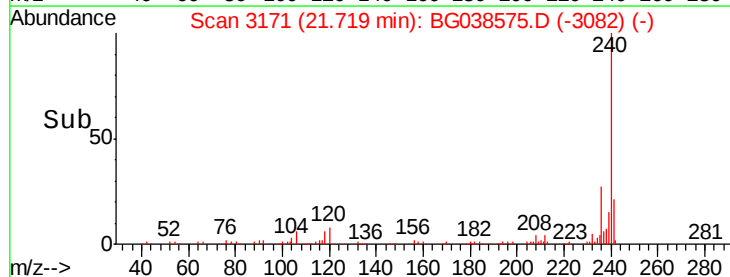
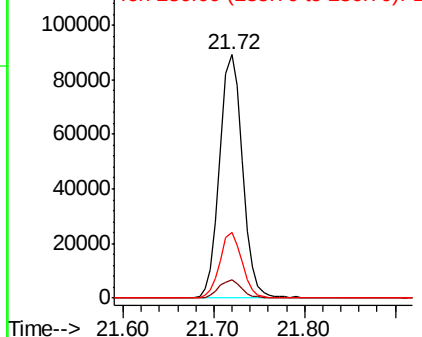


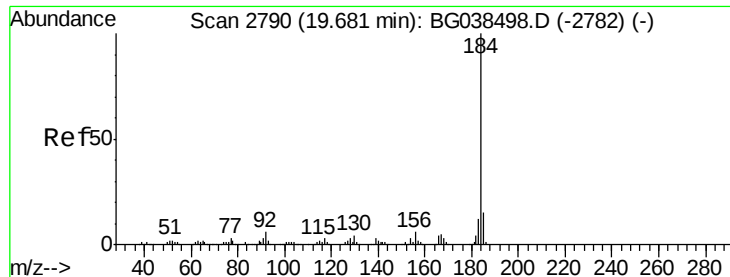
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038575.D
Acq: 14 Dec 2018 19:47

Tgt Ion:240 Resp: 156749
Ion Ratio Lower Upper
240 100
120 7.5 5.3 7.9
236 26.9 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: 2.446 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

Instrument :

BNA_G

ClientSampleId :

PB115331BL

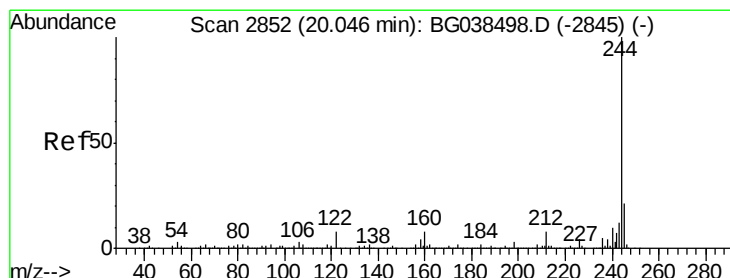
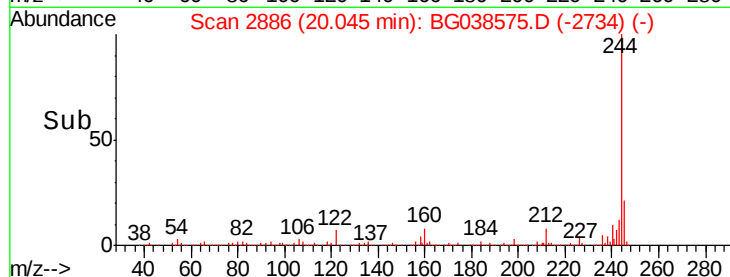
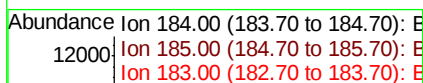
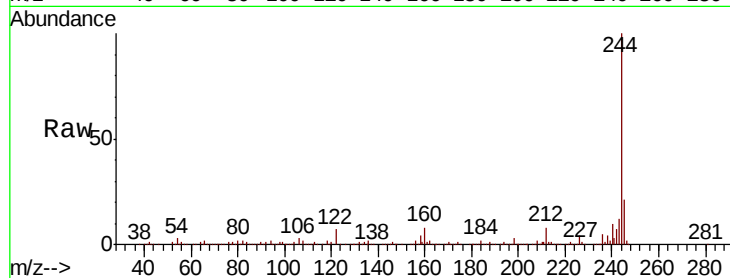
Tgt Ion:184 Resp: 11338

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

183 8.3 9.6 14.4#



#79

Terphenyl-d14

Concen: 89.677 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038575.D

Acq: 14 Dec 2018 19:47

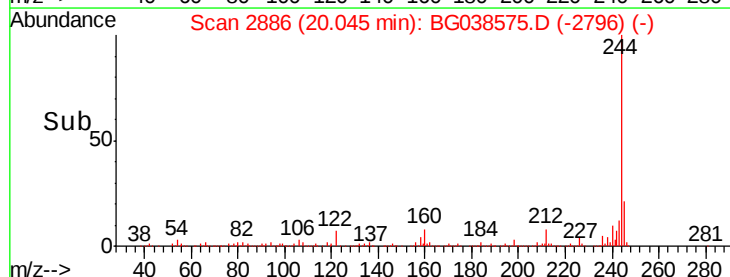
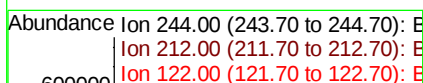
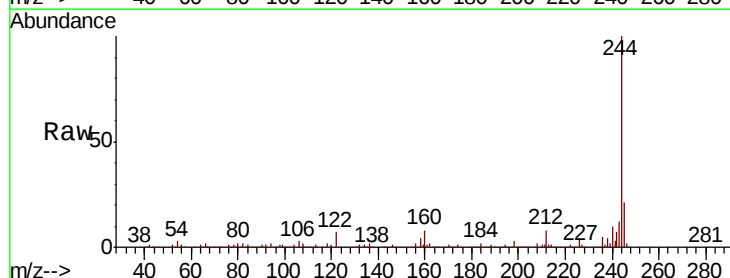
Tgt Ion:244 Resp: 645894

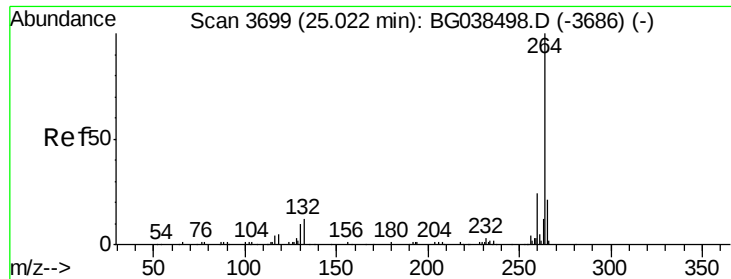
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 7.2 6.3 9.5





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038575.D
Acq: 14 Dec 2018 19:47

Instrument :
BNA_G
ClientSampleId :
PB115331BL

Tgt Ion:	264	Resp:	161875
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	20.5	17.0	25.4

