

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038576.D
 Acq On : 14 Dec 2018 20:26
 Operator : JU/SJ
 Sample : PB115362BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115362BL

Quant Time: Dec 14 22:56:11 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

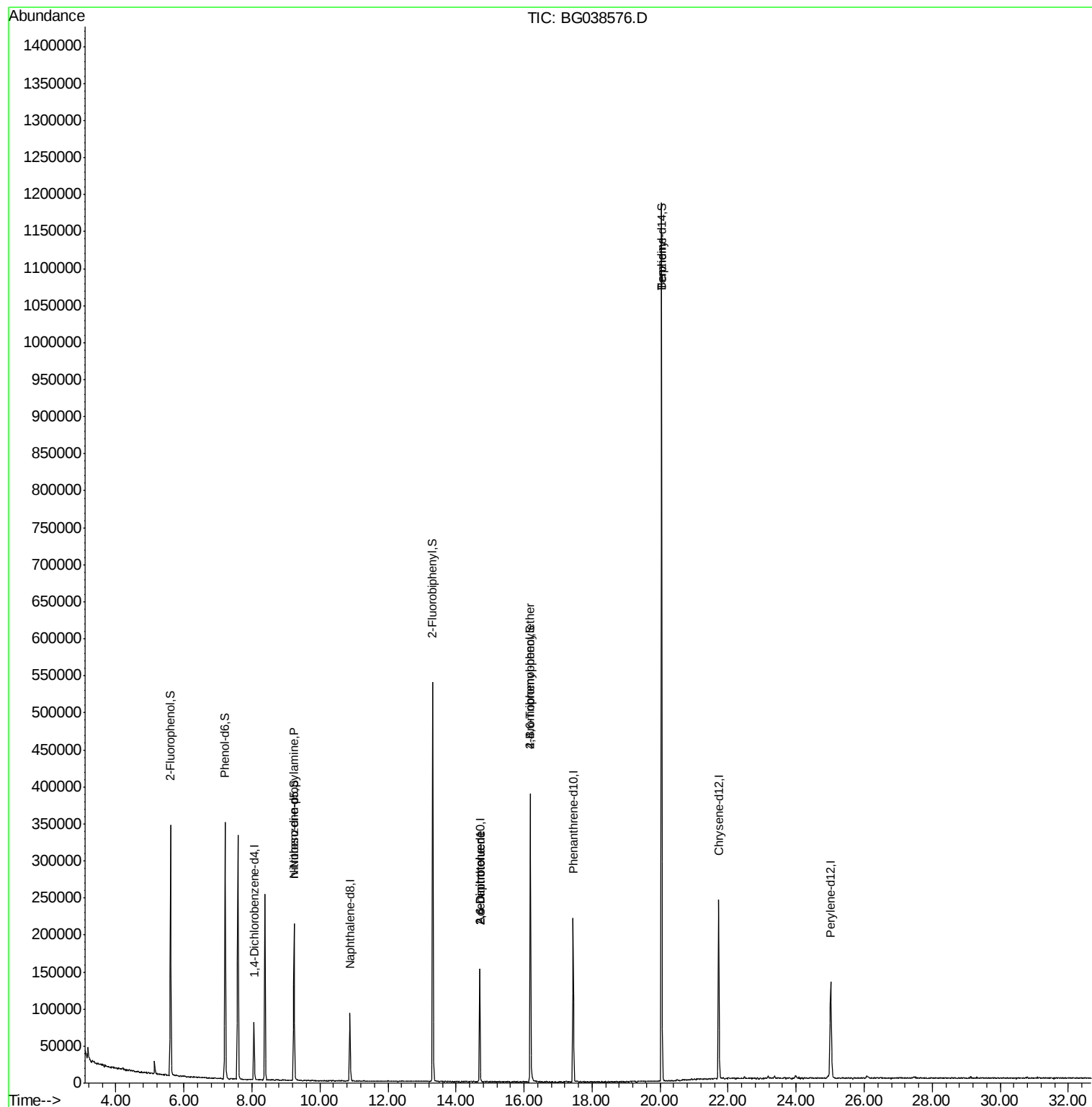
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	21560	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	86848	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	57143	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	147641	20.00	ng	0.00
76) Chrysene-d12	21.72	240	155890	20.00	ng	0.00
87) Perylene-d12	25.02	264	160422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	146770	120.74	ng	0.00
7) Phenol-d6	7.21	99	198703	119.07	ng	0.00
23) Nitrobenzene-d5	9.24	82	127003	74.71	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	80094	101.70	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	304351	73.07	ng	0.00
79) Terphenyl-d14	20.05	244	602097	84.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	16628	14.187	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	7134	6.746	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7134	4.790	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5358	2.972	ng	# 1
77) Benzidine	20.04	184	10642	2.308	ng	# 91

(#) = 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: BG038576.D

Acq: 14 Dec 2018 20:26

Instrument :

BNA_G

ClientSampleId :

PB115362BL

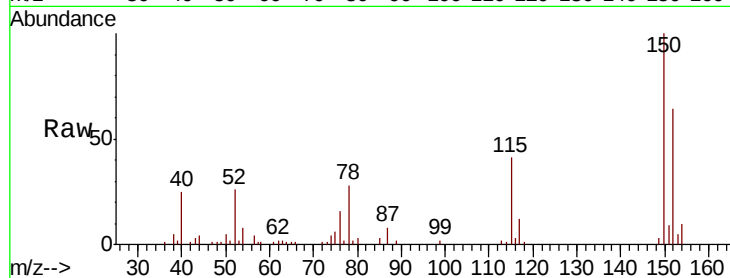
Tgt Ion:152 Resp: 21560

Ion Ratio Lower Upper

152 100

150 157.0 119.5 179.3

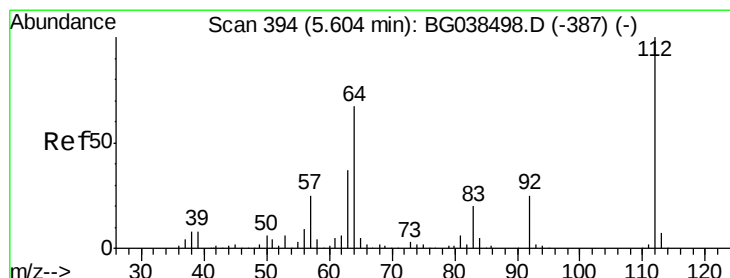
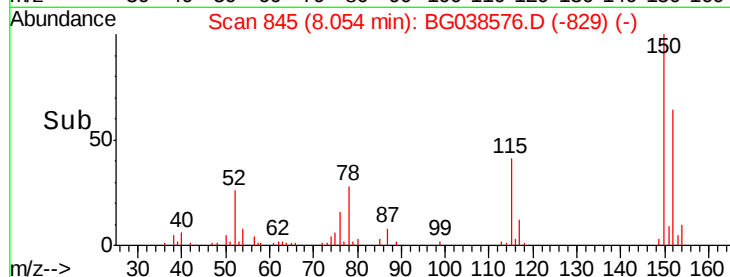
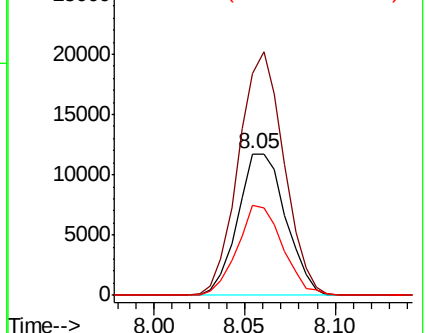
115 63.8 49.6 74.4



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: 120.742 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

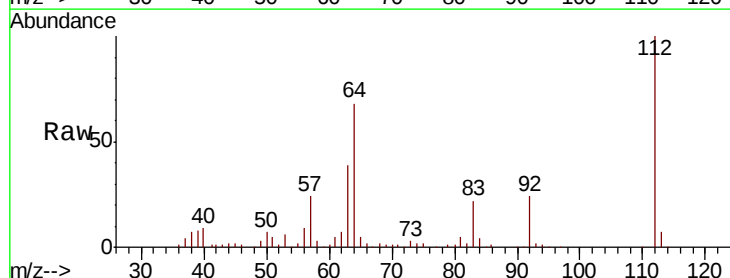
Tgt Ion:112 Resp: 146770

Ion Ratio Lower Upper

112 100

64 68.0 53.4 80.2

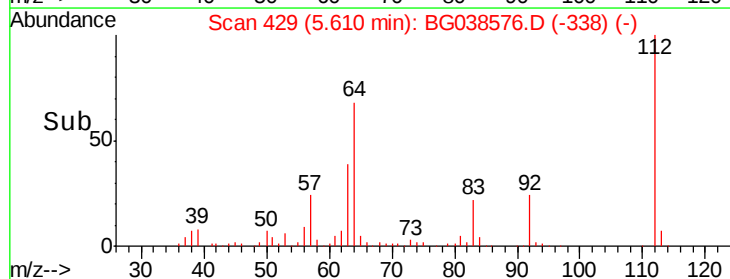
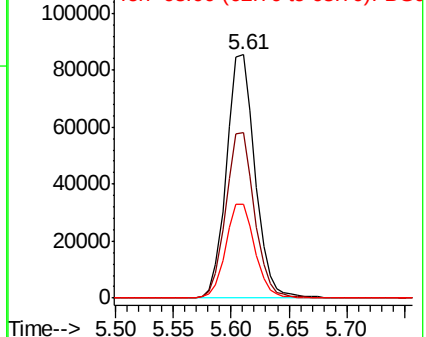
63 38.7 29.3 43.9



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: 119.073 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

Instrument :

BNA_G

ClientSampleId :

PB115362BL

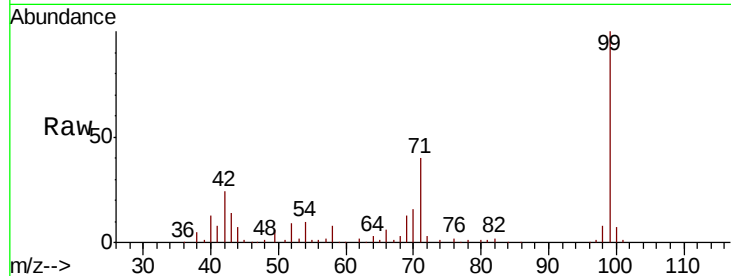
Tgt Ion: 99 Resp: 198703

Ion Ratio Lower Upper

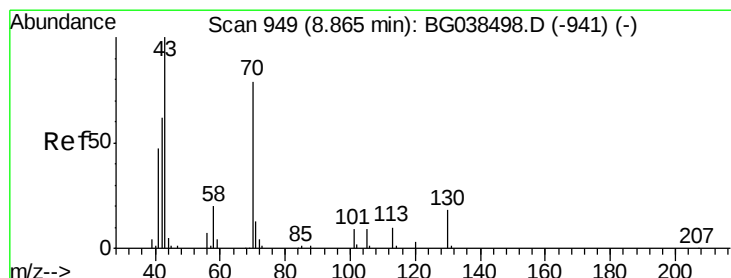
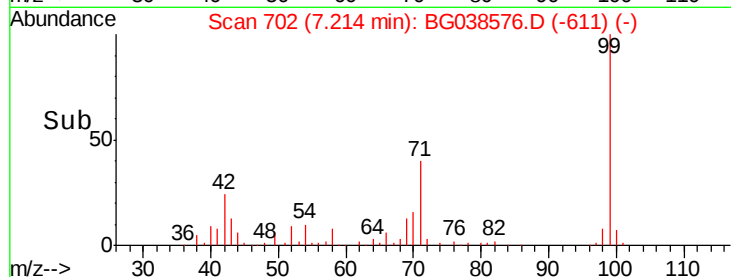
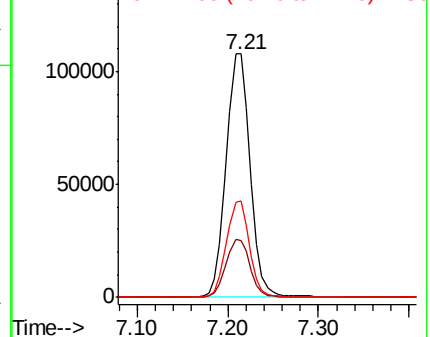
99 100

42 23.5 18.5 27.7

71 39.6 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: 14.187 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

Tgt Ion: 70 Resp: 16628

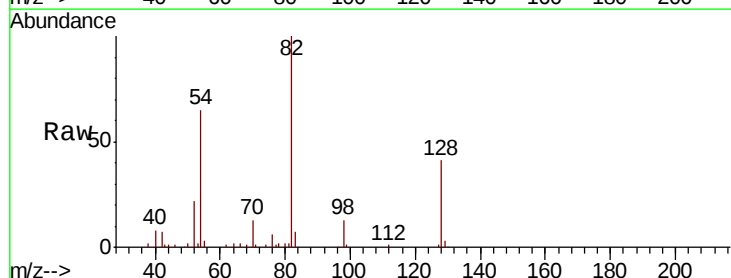
Ion Ratio Lower Upper

70 100

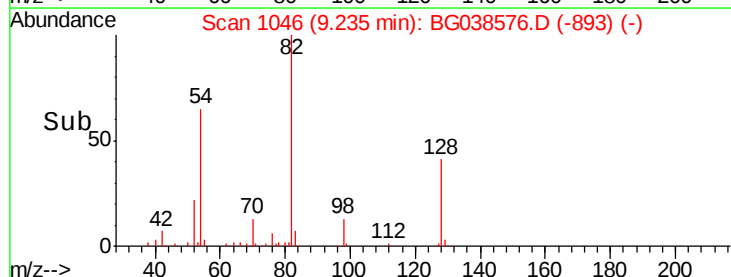
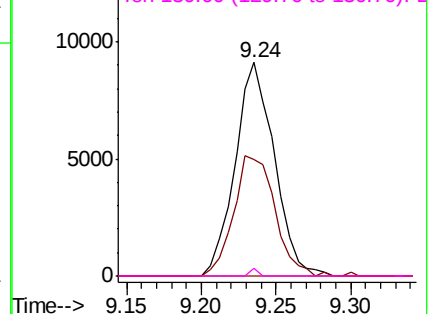
42 54.7 63.6 95.4#

101 0.0 9.2 13.8#

130 3.4 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

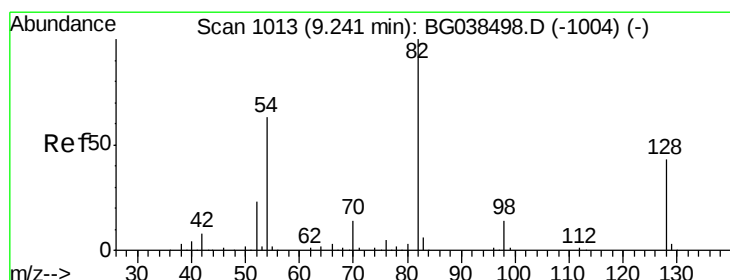
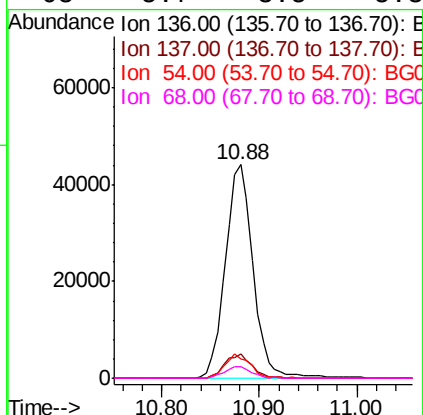
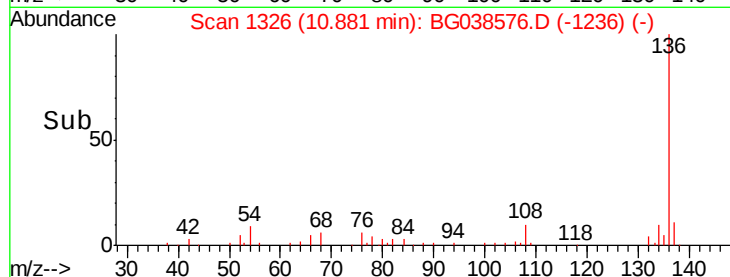
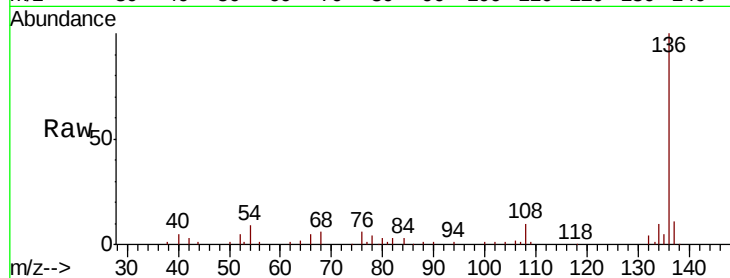




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG038576.D
Acq: 14 Dec 2018 20:26

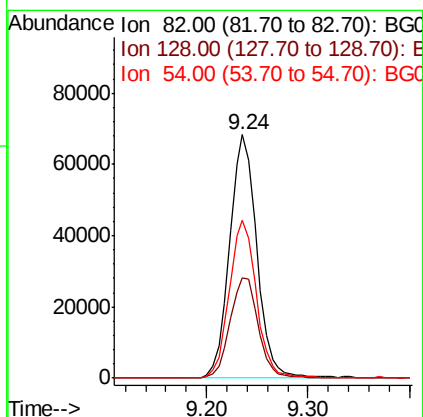
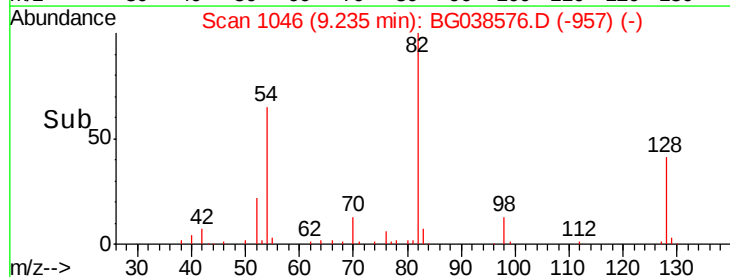
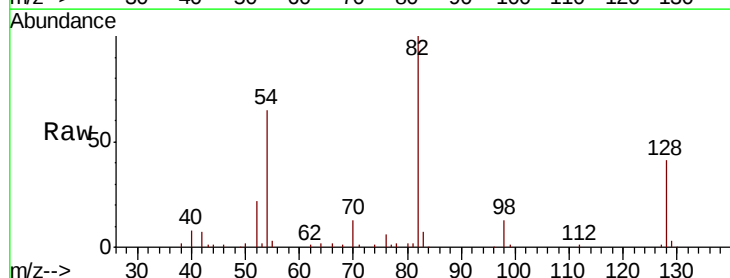
Instrument :
BNA_G
ClientSampleId :
PB115362BL

Tgt Ion:136 Resp: 86848
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 9.3 8.5 12.7
68 5.7 3.5 5.3#



#23
Nitrobenzene-d5
Concen: 74.708 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038576.D
Acq: 14 Dec 2018 20:26

Tgt Ion: 82 Resp: 127003
Ion Ratio Lower Upper
82 100
128 40.9 34.6 52.0
54 64.6 50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

Instrument :

BNA_G

ClientSampleId :

PB115362BL

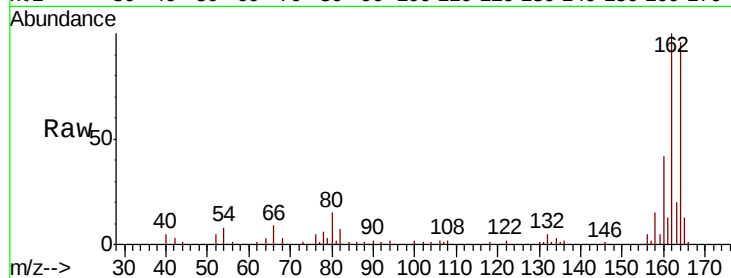
Tgt Ion:164 Resp: 57143

Ion Ratio Lower Upper

164 100

162 104.1 86.6 130.0

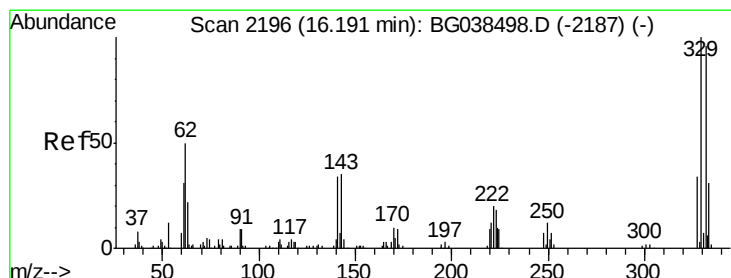
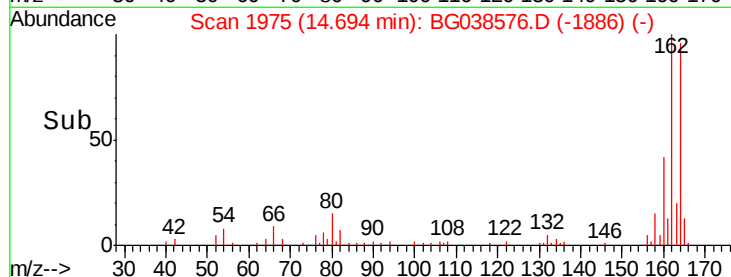
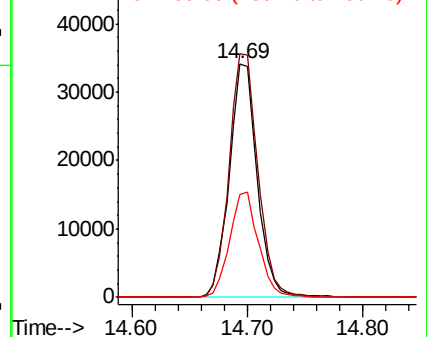
160 43.8 34.2 51.2



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: 101.702 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

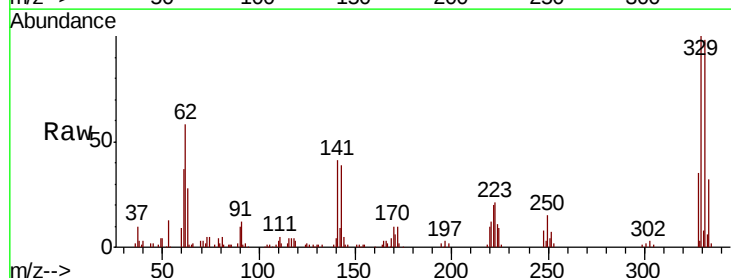
Tgt Ion:330 Resp: 80094

Ion Ratio Lower Upper

330 100

332 98.8 76.9 115.3

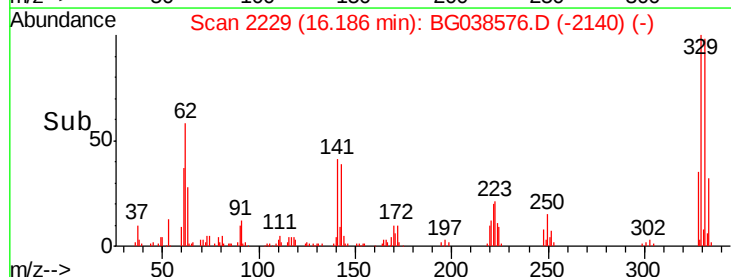
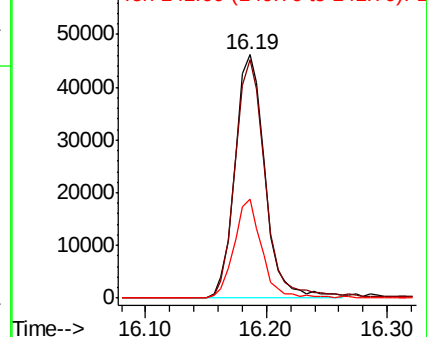
141 37.5 28.8 43.2

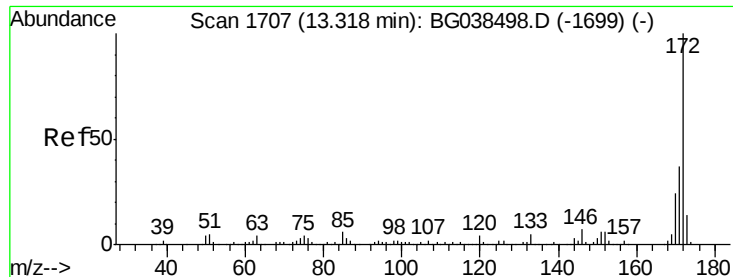


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

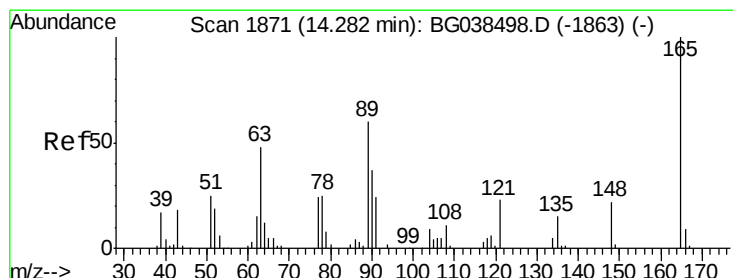
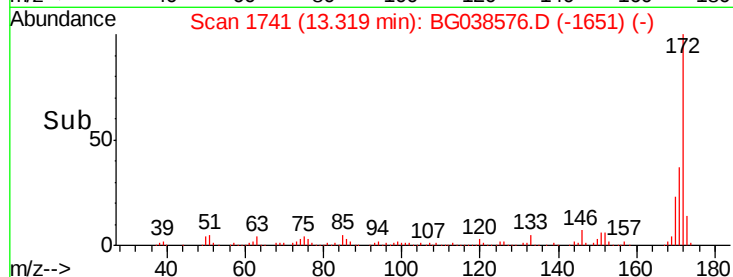
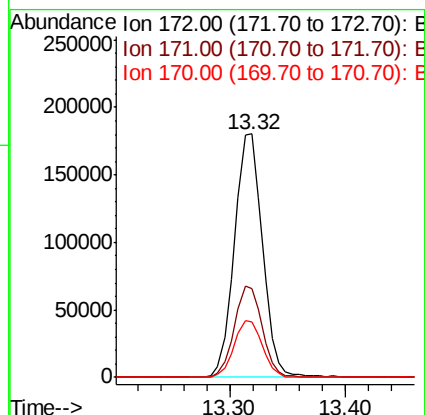
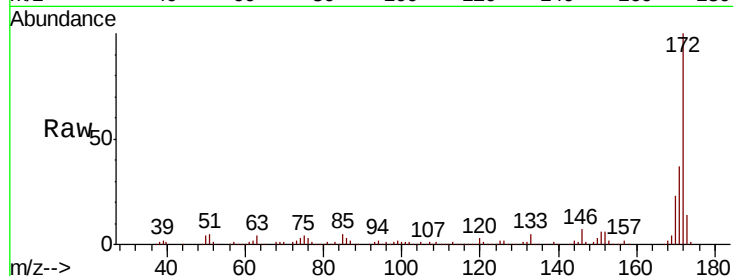




#45
 2-Fluorobiphenyl
 Concen: 73.066 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG038576.D
 Acq: 14 Dec 2018 20:26

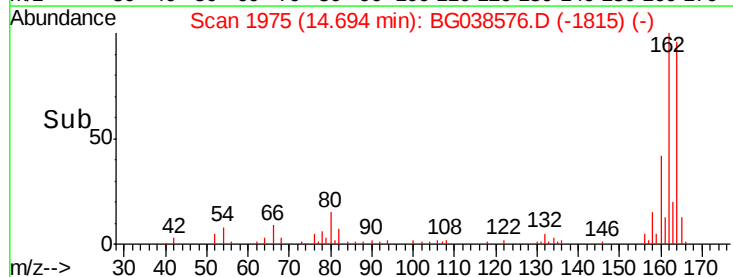
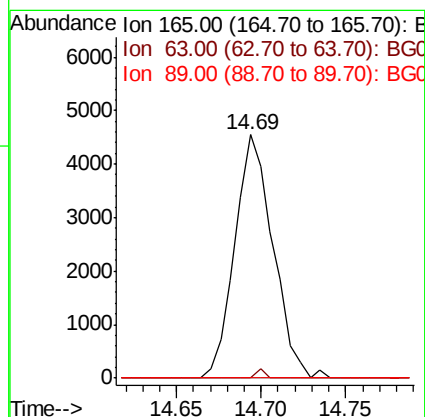
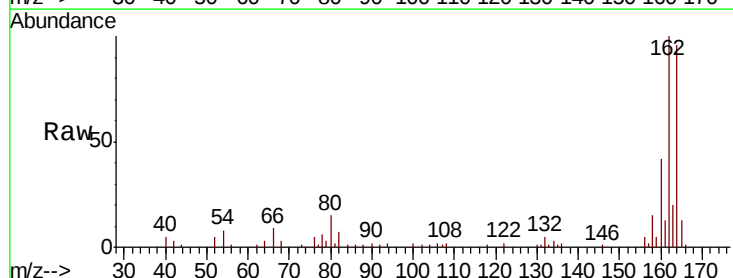
Instrument :
 BNA_G
 ClientSampleId :
 PB115362BL

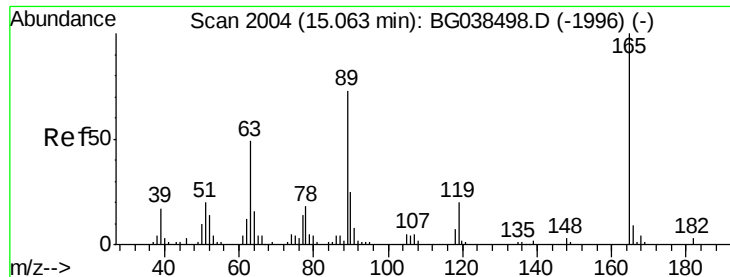
Tgt Ion:172 Resp: 304351
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.8 44.6
 170 23.0 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.746 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038576.D
 Acq: 14 Dec 2018 20:26

Tgt Ion:165 Resp: 7134
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

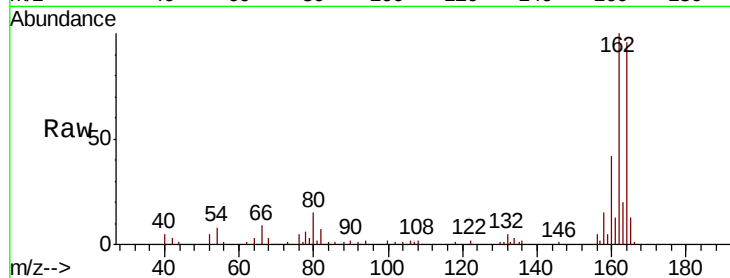




#57
 2,4-Dinitrotoluene
 Concen: 4.790 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038576.D
 Acq: 14 Dec 2018 20:26

Instrument :
 BNA_G
 ClientSampleId :
 PB115362BL

Tgt 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#

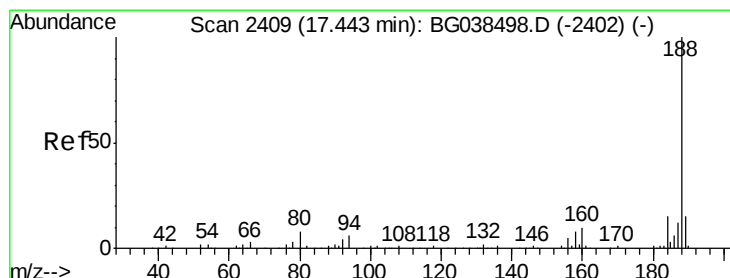
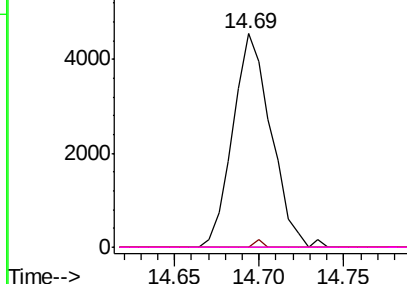
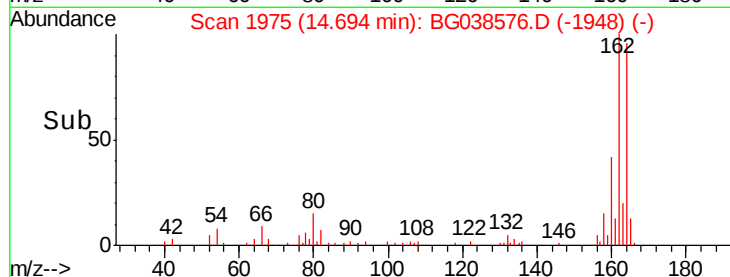


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

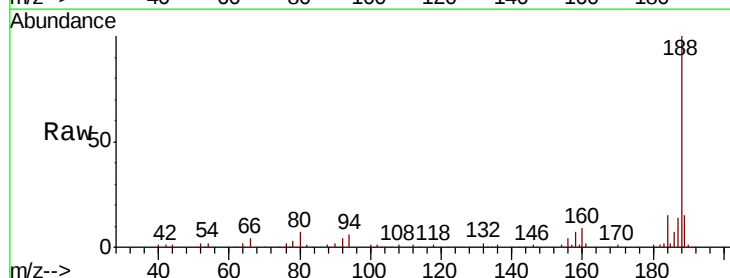
Ion 89.00 (88.70 to 89.70): BGC

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: BG038576.D
 Acq: 14 Dec 2018 20:26

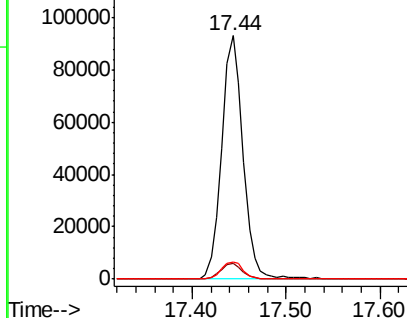
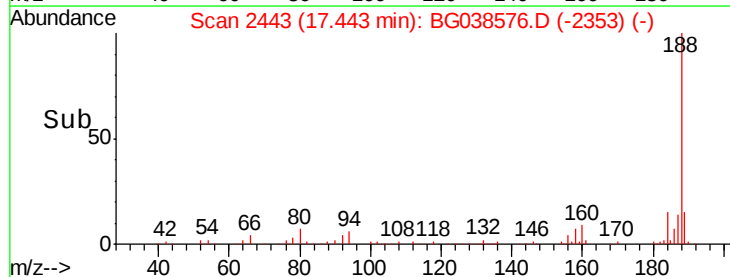
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	7.1	6.1	9.1

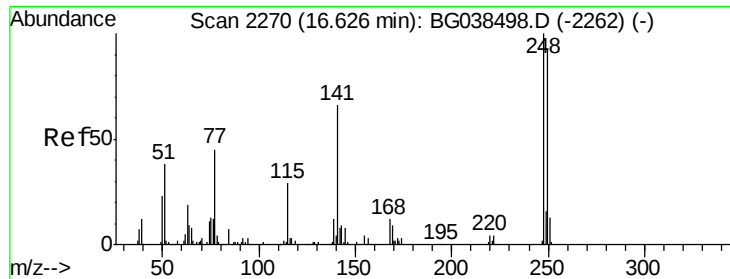


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

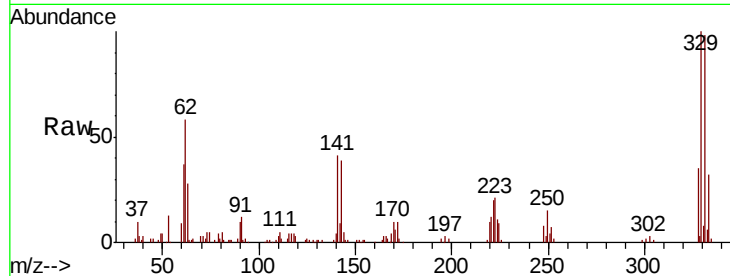




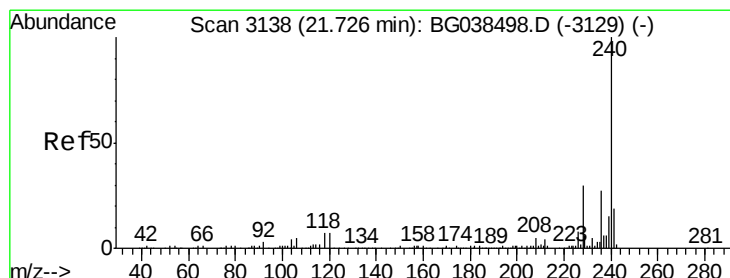
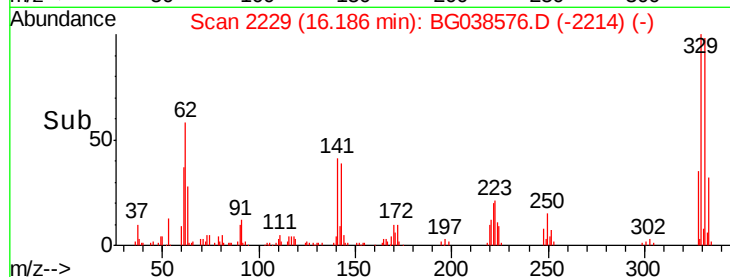
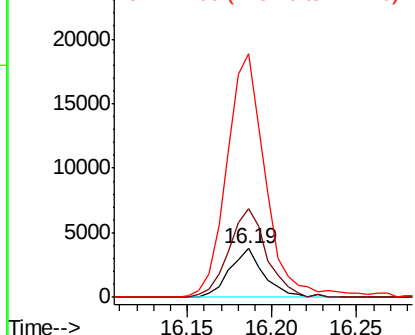
#67
 4-Bromophenyl-phenylether
 Concen: 2.972 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038576.D
 Acq: 14 Dec 2018 20:26

Instrument :
 BNA_G
 ClientSampleId :
 PB115362BL

Tgt Ion:248 Resp: 5358
 Ion Ratio Lower Upper
 248 100
 250 176.4 73.4 110.2#
 141 382.8 52.9 79.3#

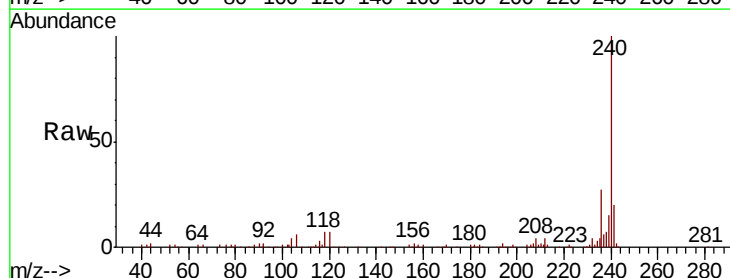


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

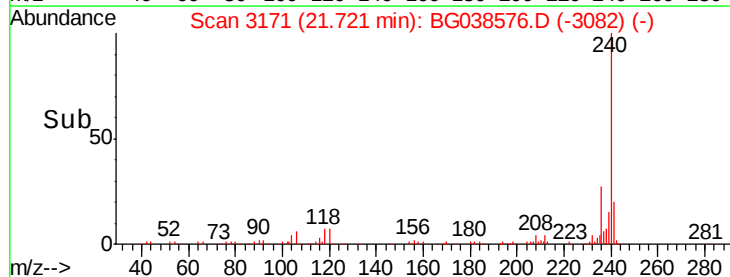
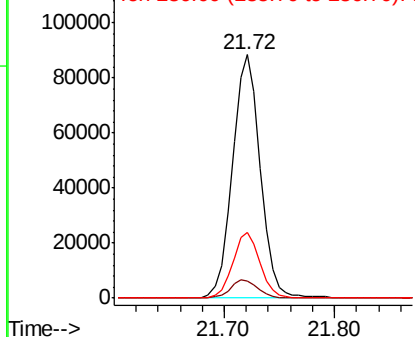


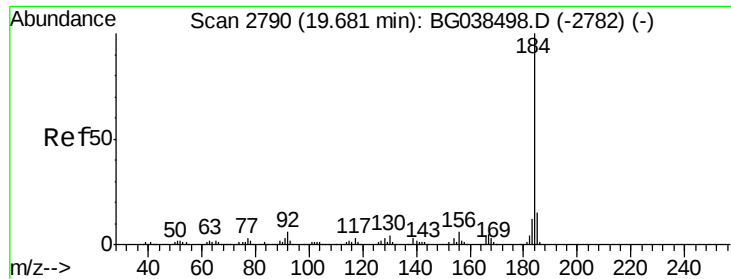
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038576.D
 Acq: 14 Dec 2018 20:26

Tgt Ion:240 Resp: 155890
 Ion Ratio Lower Upper
 240 100
 120 7.2 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: 2.308 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

Instrument :

BNA_G

ClientSampleId :

PB115362BL

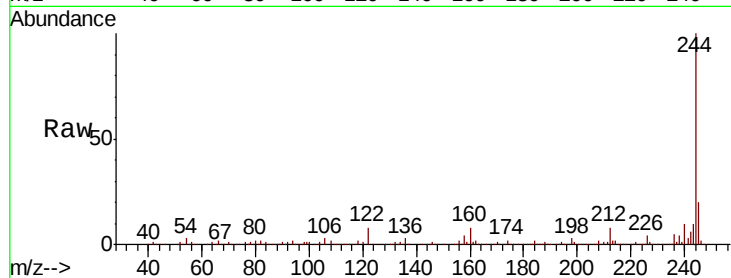
Tgt Ion:184 Resp: 10642

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

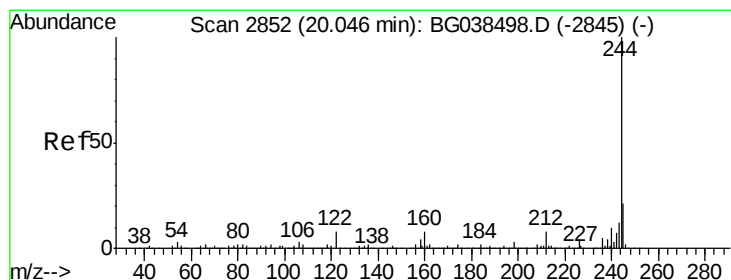
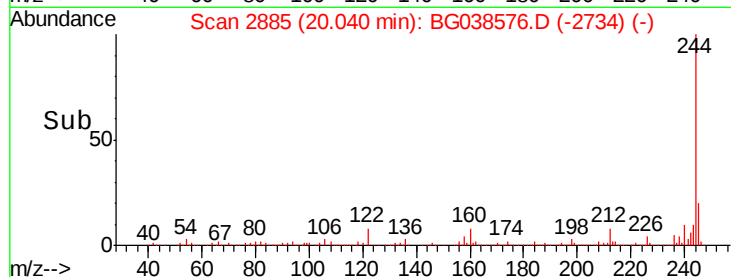
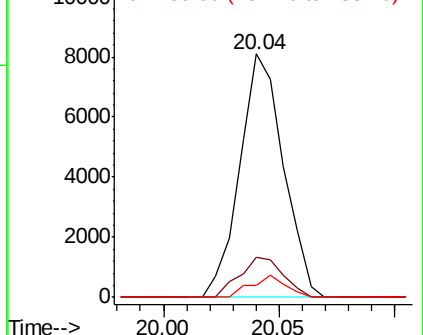
183 5.1 9.6 14.4#



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: 84.057 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038576.D

Acq: 14 Dec 2018 20:26

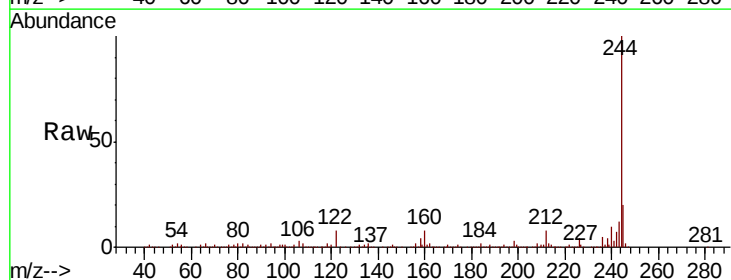
Tgt Ion:244 Resp: 602097

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

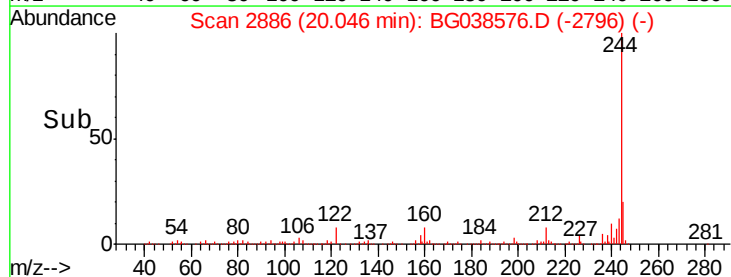
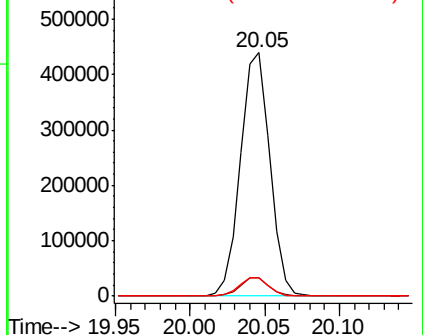
122 7.6 6.3 9.5

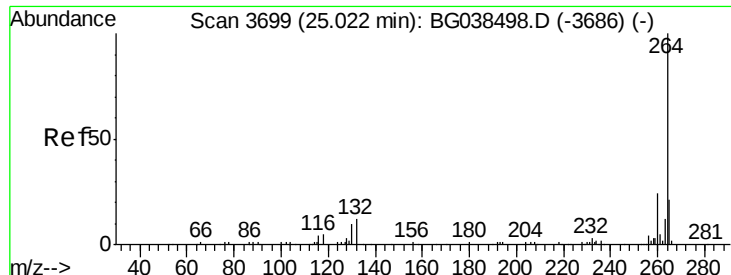


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038576.D
Acq: 14 Dec 2018 20:26

Instrument :
BNA_G
ClientSampleId :
PB115362BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	20.6	17.0	25.4

