

Data File : BG038816.D
Acq On : 22 Dec 2018 13:56
Operator : JU/SJ
Sample : J6520-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ROLLOFF-165

Quant Time: Dec 24 03:55:46 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	26612	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	112185	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	75964	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	175682	20.00	ng	0.00
76) Chrysene-d12	21.72	240	161260	20.00	ng	0.00
87) Perylene-d12	25.03	264	172511	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	215194	143.42	ng	0.01
7) Phenol-d6	7.22	99	271941	132.03	ng	0.01
23) Nitrobenzene-d5	9.24	82	223384	101.73	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	162941	155.64	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	605194	109.29	ng	0.00
79) Terphenyl-d14	20.05	244	949699	128.17	ng	0.00

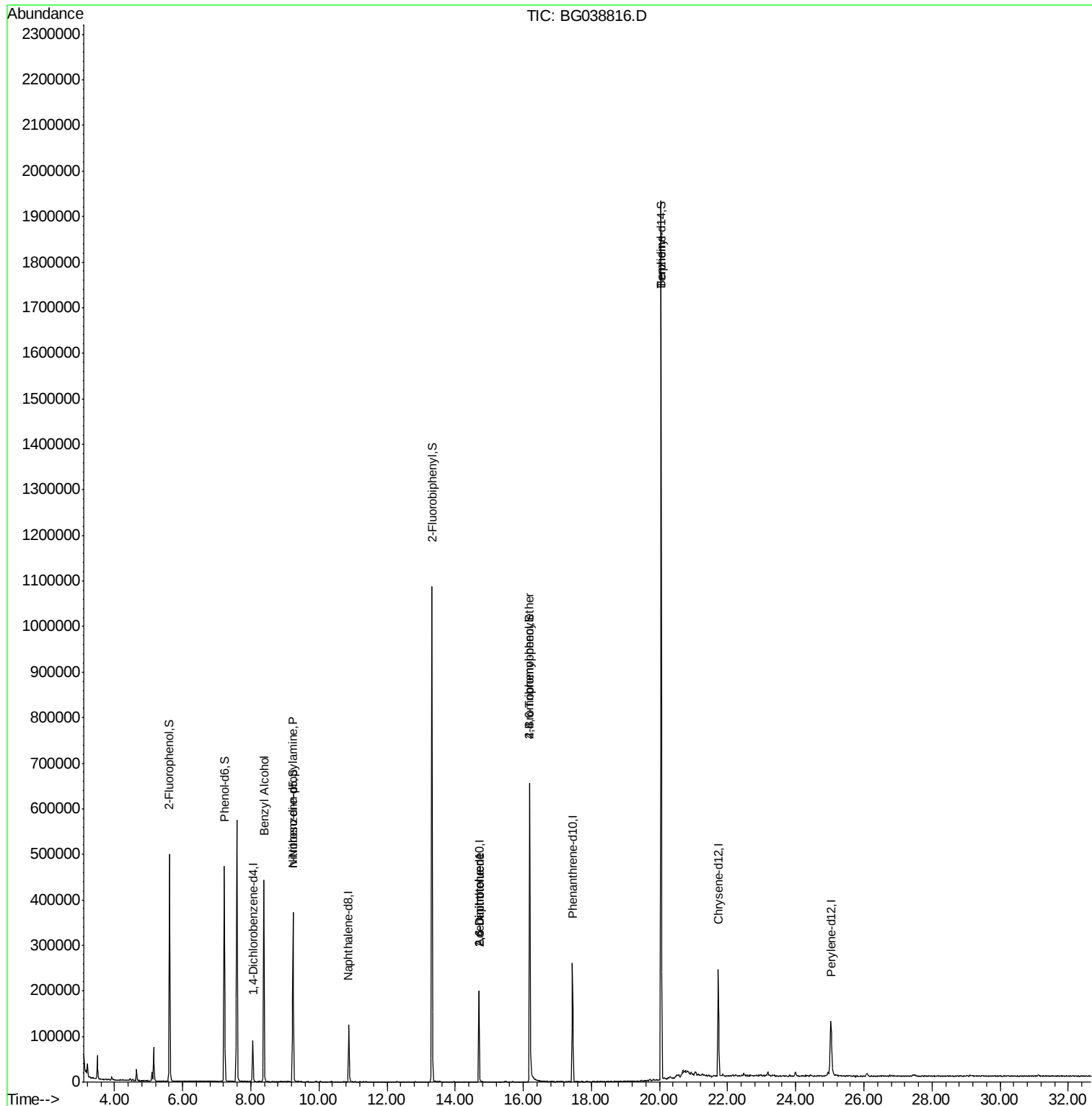
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.38	79	3560	2.214	ng	# 61
19) n-Nitroso-di-n-propylamine	9.24	70	30430	21.035	ng	# 68
51) 2,6-Dinitrotoluene	14.70	165	10072	7.165	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	10072	5.087	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9885	4.607	ng	# 1
77) Benzidine	20.05	184	16124	3.381	ng	# 94

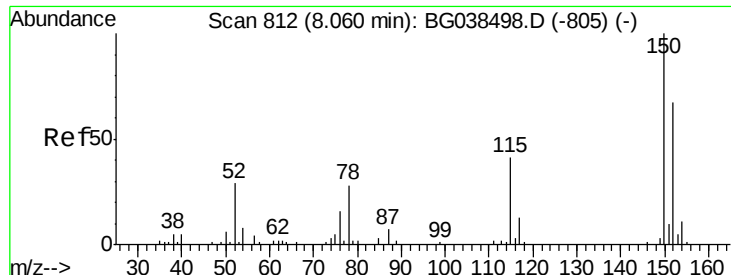
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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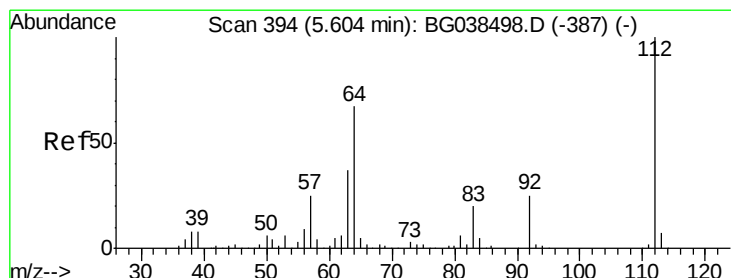
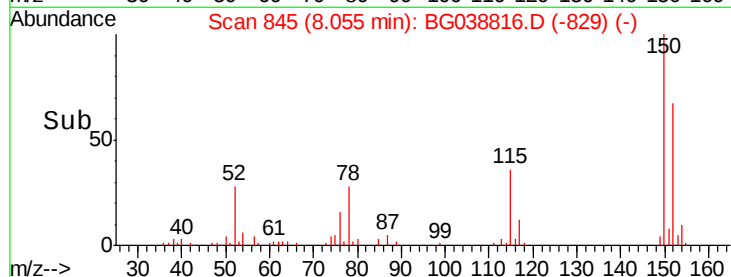
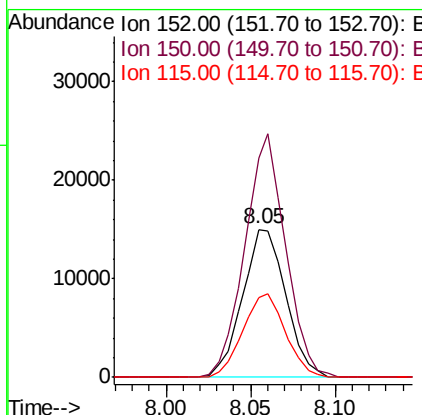
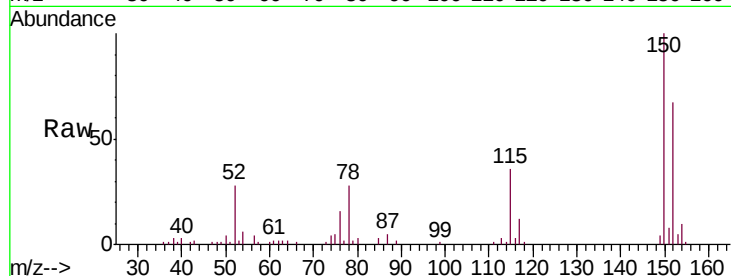




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

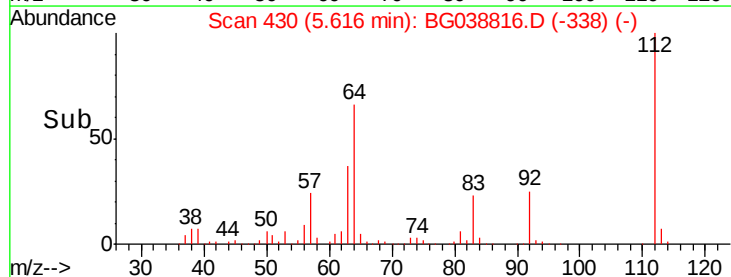
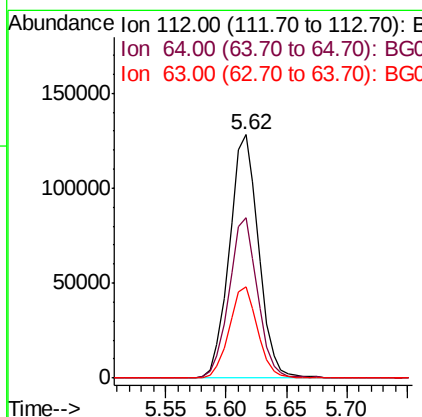
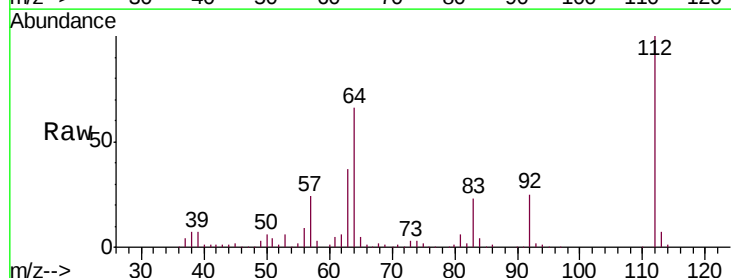
Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF-165

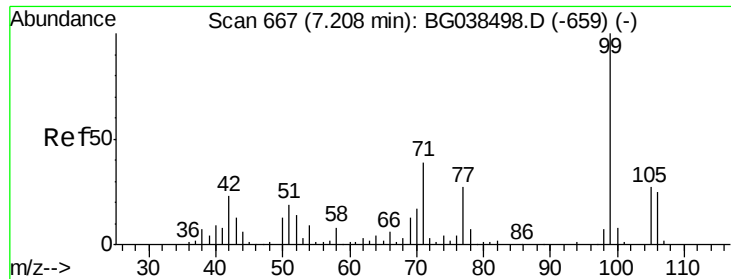
Tgt Ion:152 Resp: 26612
 Ion Ratio Lower Upper
 152 100
 150 148.3 119.5 179.3
 115 53.6 49.6 74.4



#5
 2-Fluorophenol
 Concen: 143.424 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

Tgt Ion:112 Resp: 215194
 Ion Ratio Lower Upper
 112 100
 64 66.0 53.4 80.2
 63 37.3 29.3 43.9





#7

Phenol-d6

Concen: 132.025 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038816.D

Acq: 22 Dec 2018 13:56

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-165

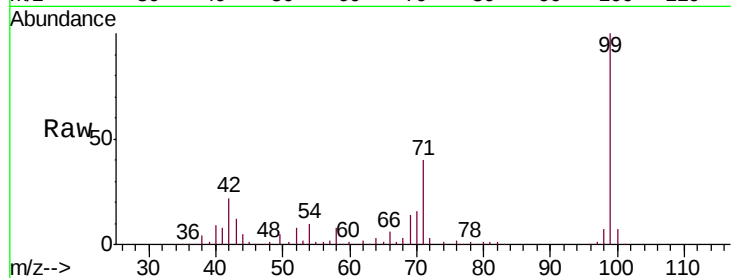
Tgt Ion: 99 Resp: 271941

Ion Ratio Lower Upper

99 100

42 22.3 18.5 27.7

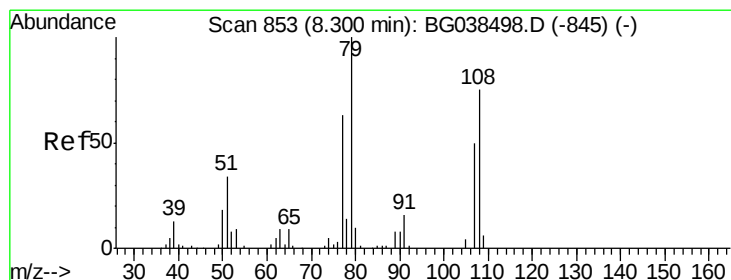
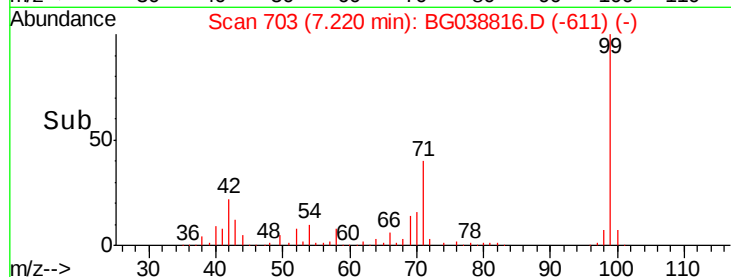
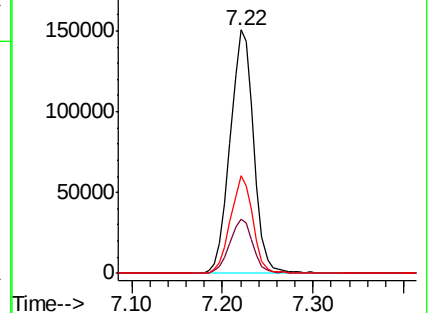
71 40.2 31.1 46.7



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



#15

Benzyl Alcohol

Concen: 2.214 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038816.D

Acq: 22 Dec 2018 13:56

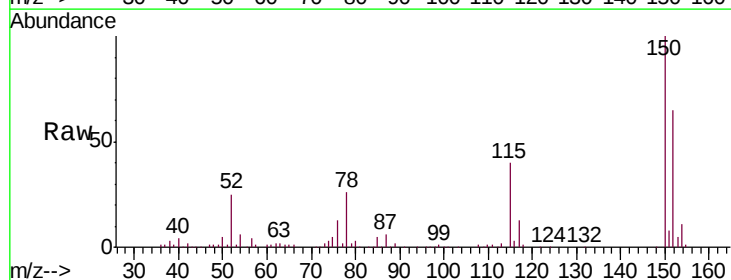
Tgt Ion: 79 Resp: 3560

Ion Ratio Lower Upper

79 100

108 36.0 60.2 90.4#

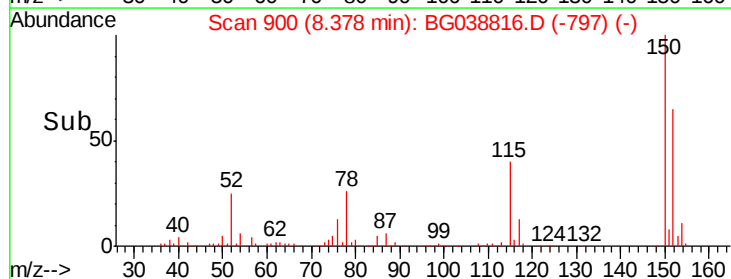
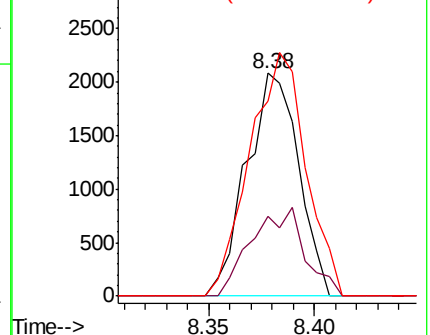
77 87.3 50.7 76.1#

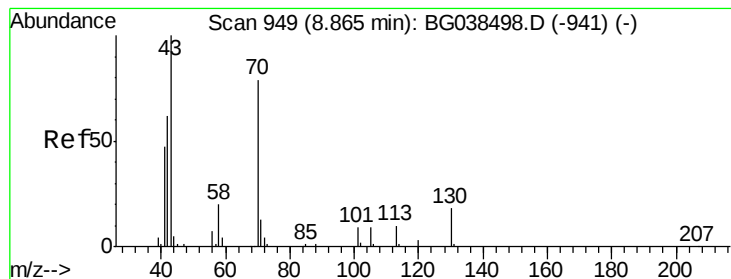


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 21.035 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038816.D

Acq: 22 Dec 2018 13:56

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-165

Tgt Ion: 70 Resp: 30430

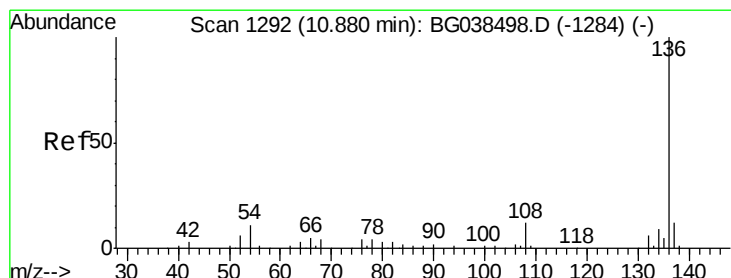
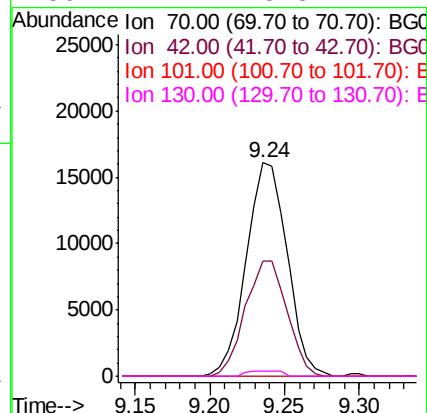
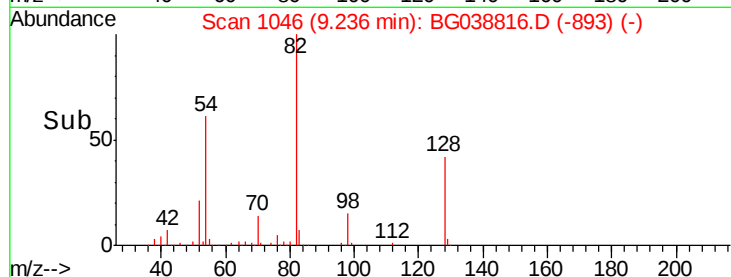
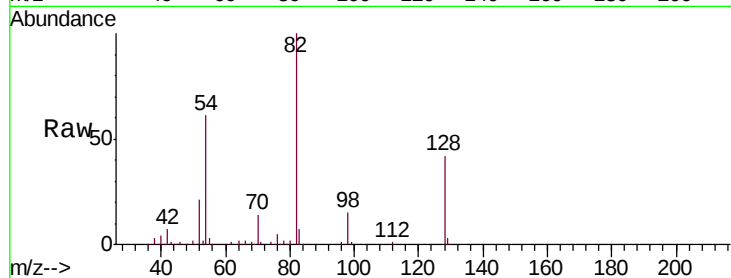
Ion Ratio Lower Upper

70 100

42 54.0 63.6 95.4#

101 0.0 9.2 13.8#

130 2.4 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: BG038816.D

Acq: 22 Dec 2018 13:56

Tgt Ion: 136 Resp: 112185

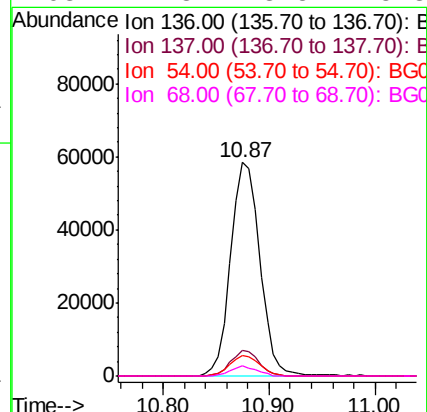
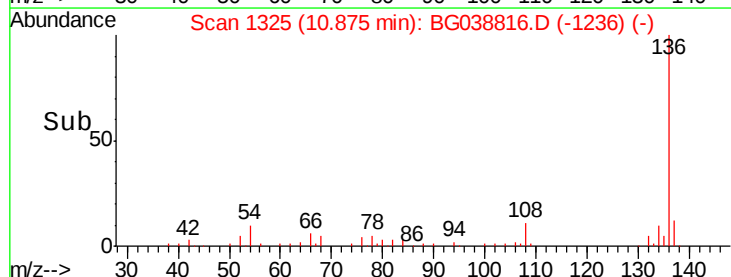
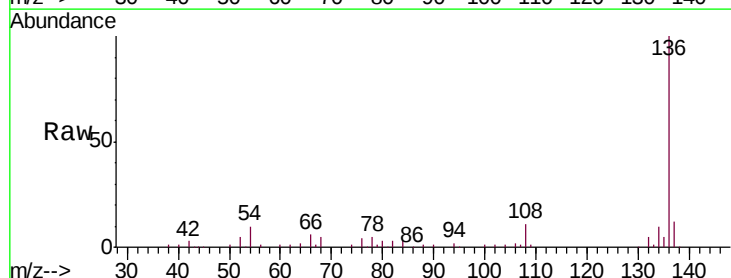
Ion Ratio Lower Upper

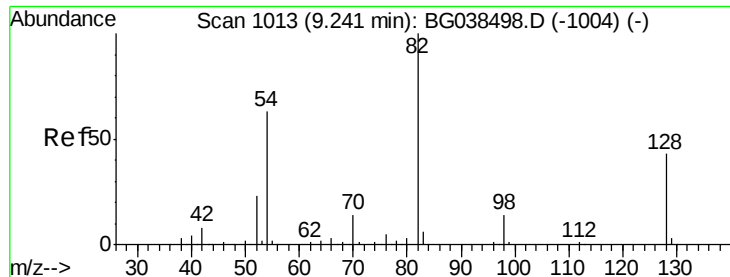
136 100

137 12.0 9.3 13.9

54 9.8 8.5 12.7

68 4.8 3.5 5.3

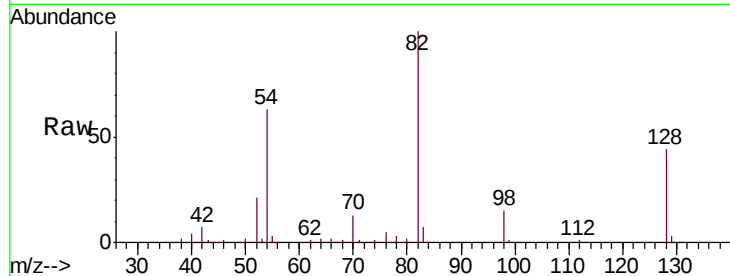




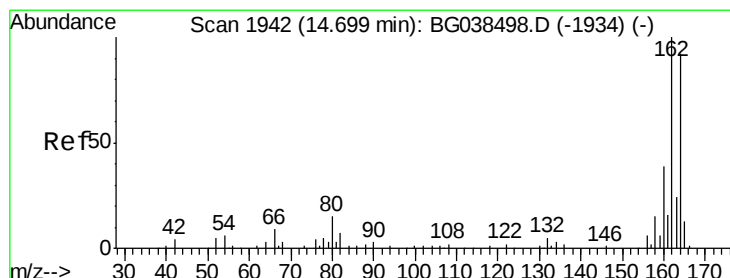
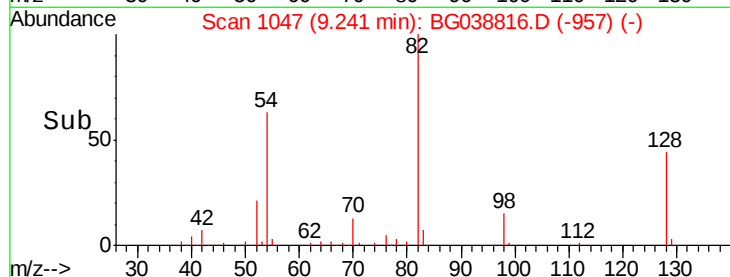
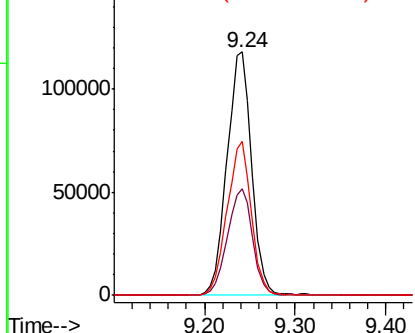
#23
Nitrobenzene-d5
Concen: 101.725 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

Instrument :
BNA_G
ClientSampleId :
ROLLOFF-165

Tgt Ion: 82 Resp: 22384
Ion Ratio Lower Upper
82 100
128 43.8 34.6 52.0
54 63.1 50.6 76.0

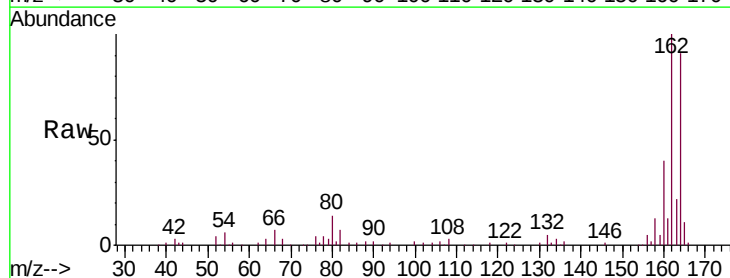


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

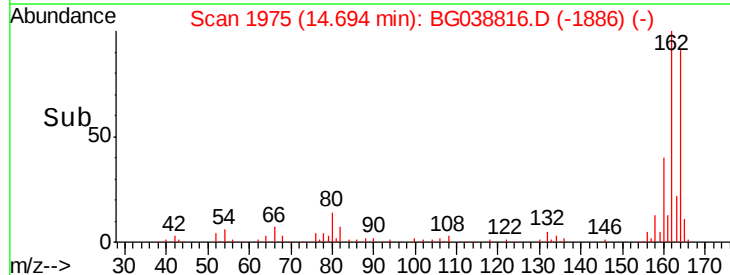
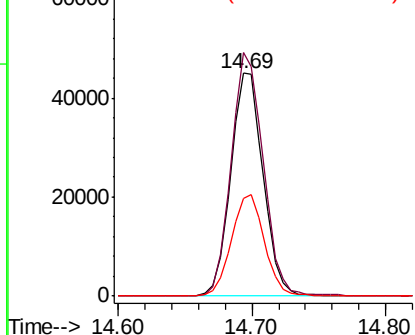


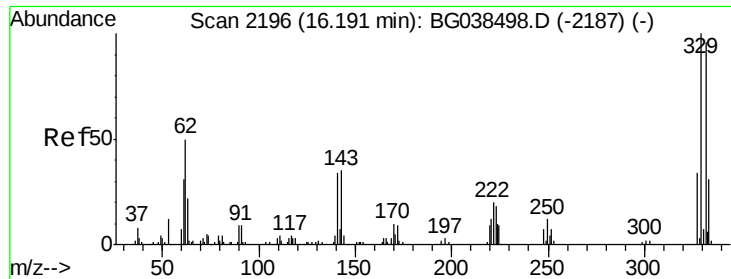
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 164 Resp: 75964
Ion Ratio Lower Upper
164 100
162 109.3 86.6 130.0
160 43.8 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

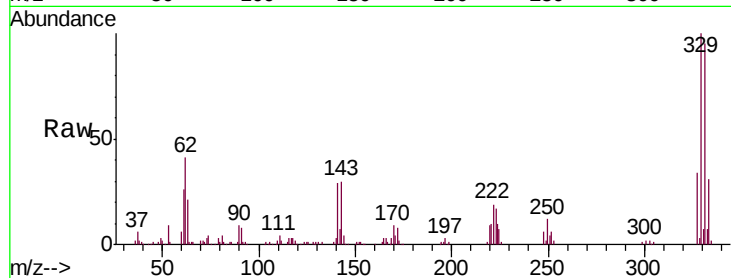




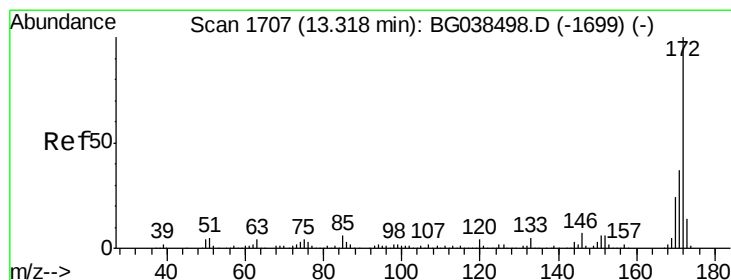
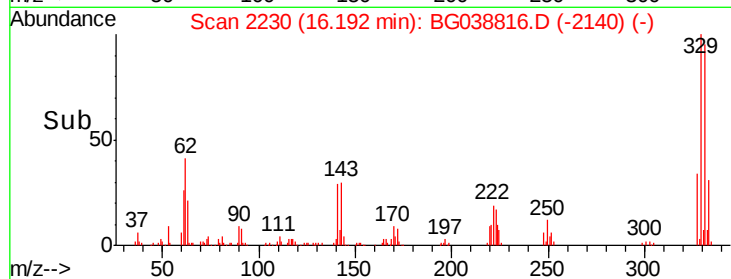
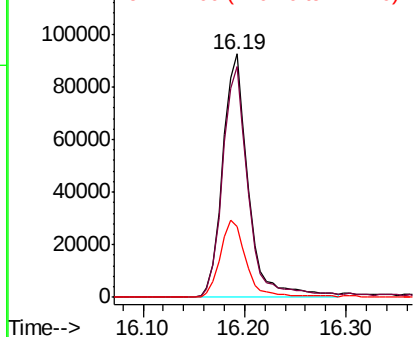
#42
 2,4,6-Tribromophenol
 Concen: 155.638 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF-165

Tgt Ion:330 Resp: 162941
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.9 115.3
 141 32.3 28.8 43.2

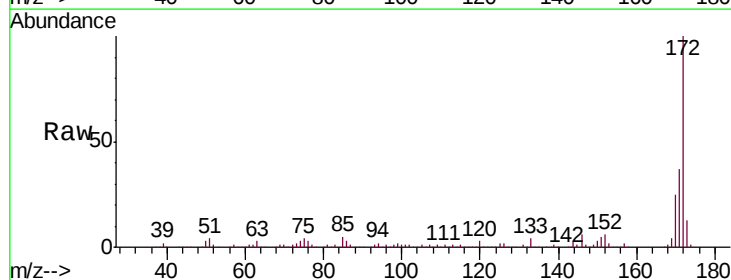


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

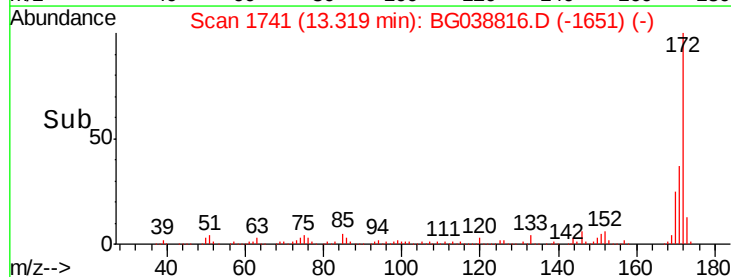
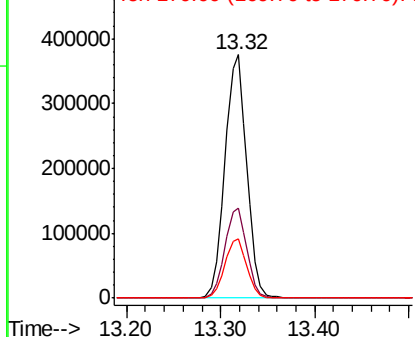


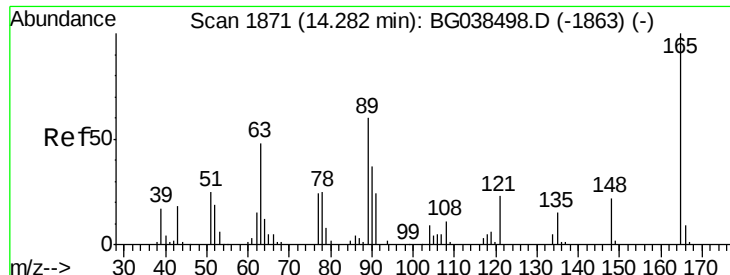
#45
 2-Fluorobiphenyl
 Concen: 109.293 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

Tgt Ion:172 Resp: 605194
 Ion Ratio Lower Upper
 172 100
 171 36.8 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

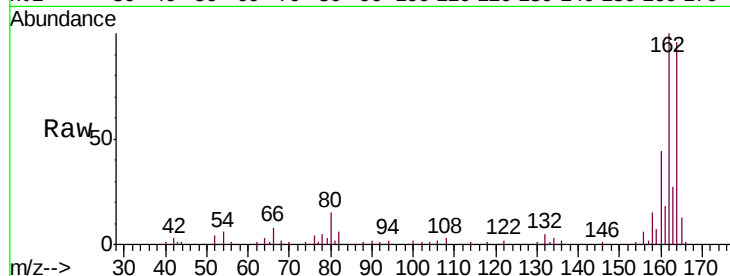




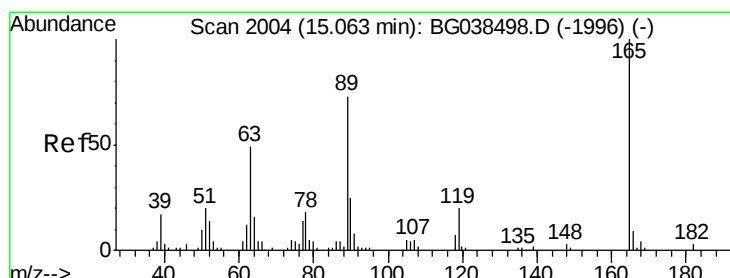
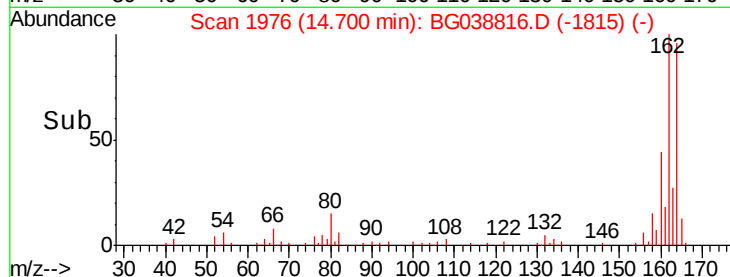
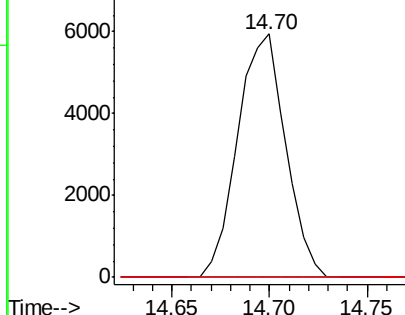
#51
 2,6-Dinitrotoluene
 Concen: 7.165 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

Instrument :
 BNA_G
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 ROLLOFF-165

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



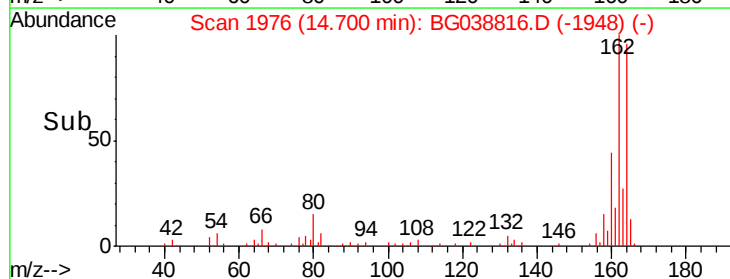
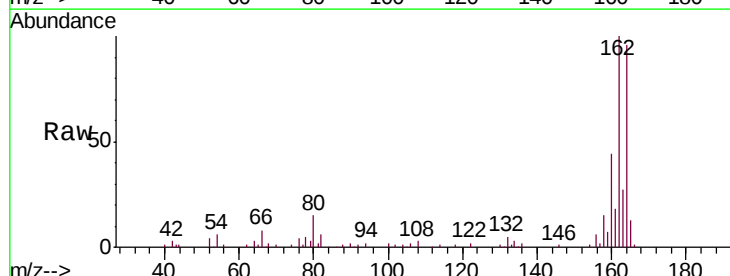
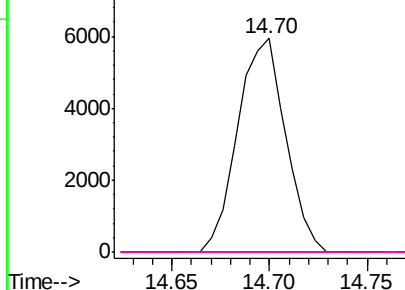
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

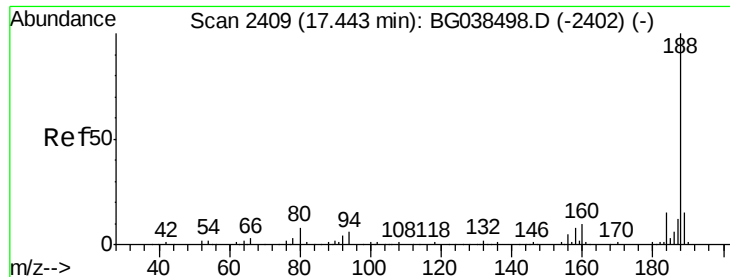


#57
 2,4-Dinitrotoluene
 Concen: 5.087 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG038816.D
 Acq: 22 Dec 2018 13:56

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

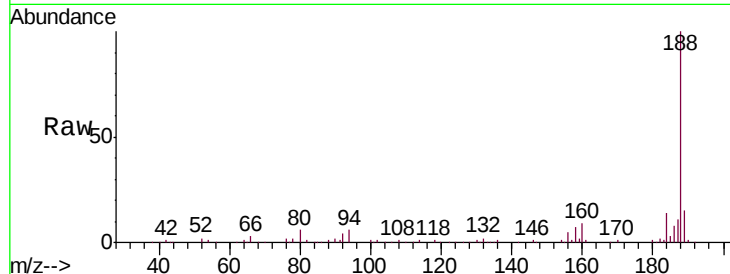




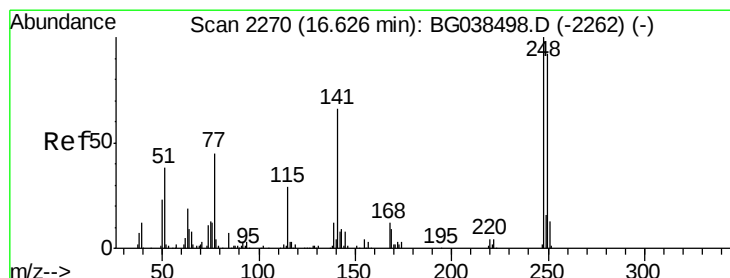
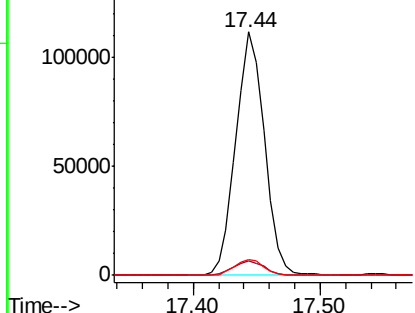
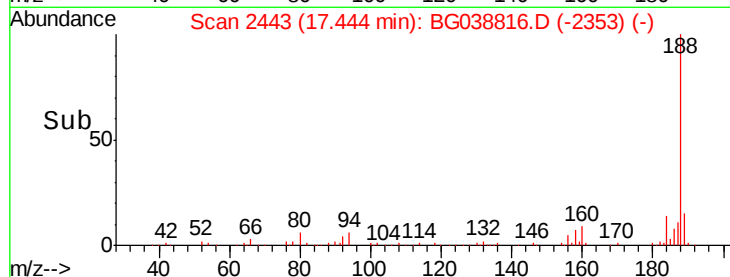
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

Instrument :
BNA_G
ClientSampleId :
ROLLOFF-165

Tgt Ion:188 Resp: 175682
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 6.4 6.1 9.1

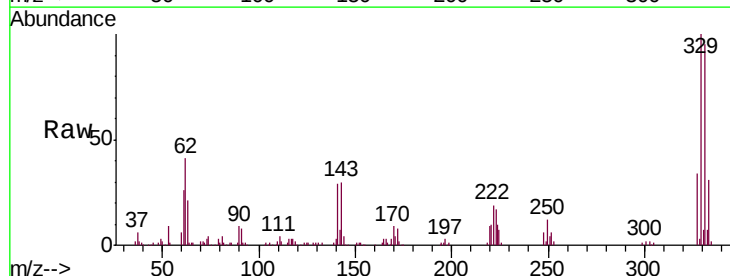


Abundance Ion 188.00 (187.70 to 188.70): E
150000
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

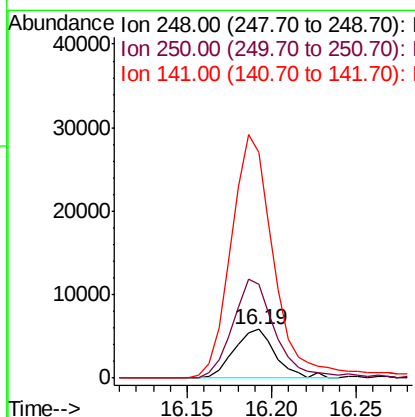
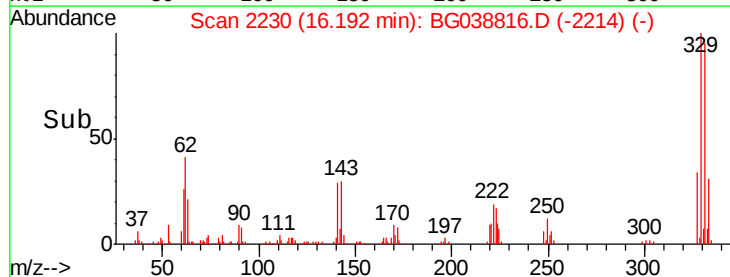


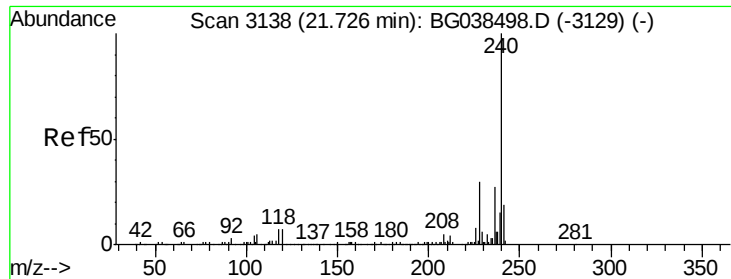
#67
4-Bromophenyl-phenylether
Concen: 4.607 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.43 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

Tgt Ion:248 Resp: 9885
Ion Ratio Lower Upper
248 100
250 185.5 73.4 110.2#
141 338.9 52.9 79.3#



Abundance Ion 248.00 (247.70 to 248.70): E
40000
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

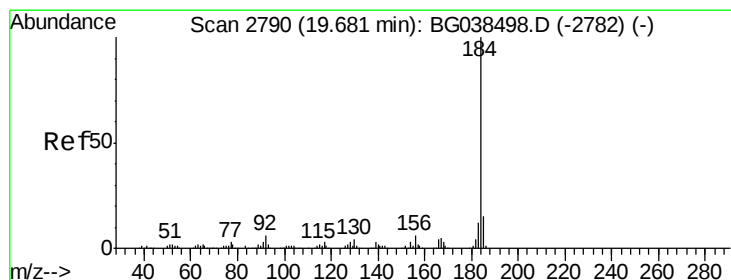
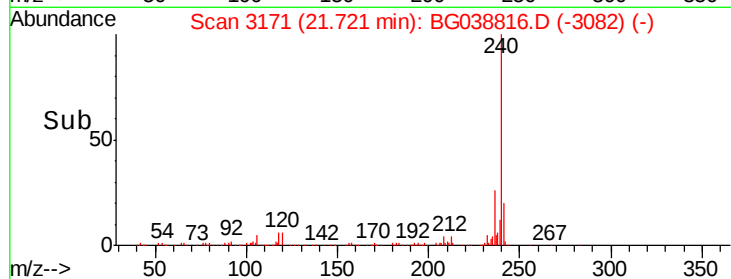
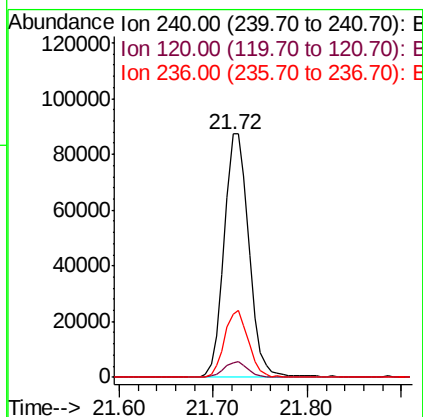
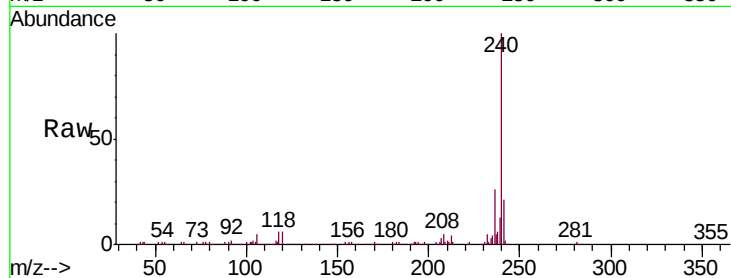




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

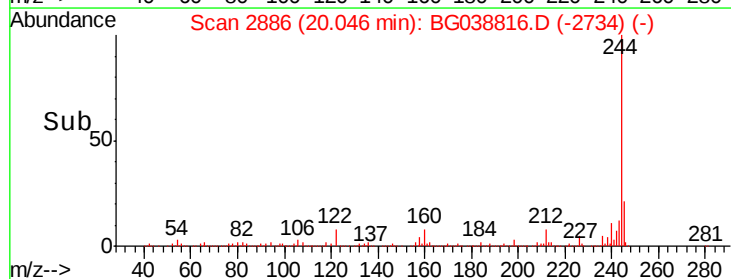
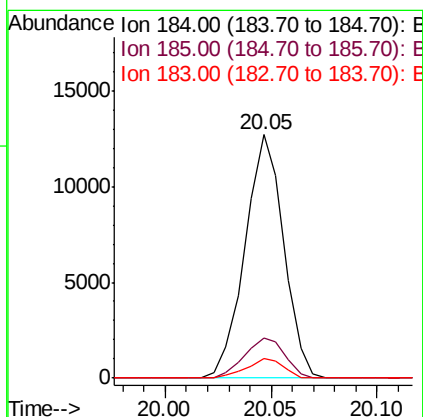
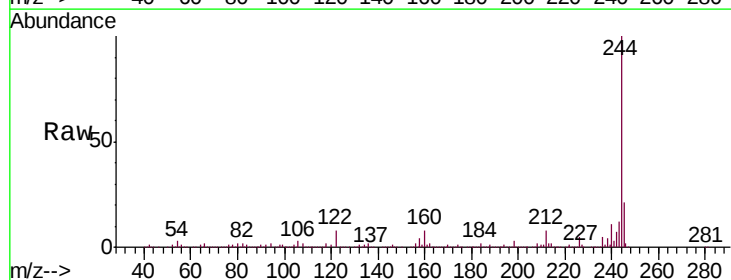
Instrument :
BNA_G
ClientSampleId :
ROLLOFF-165

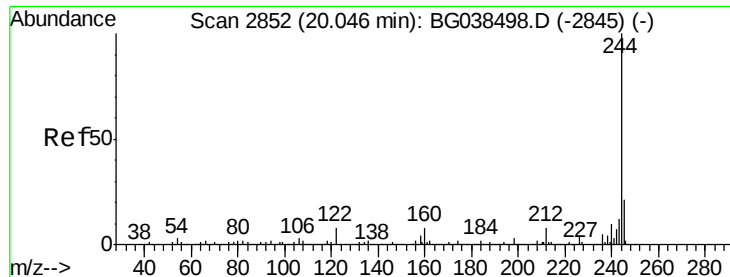
Tgt Ion:240 Resp: 161260
Ion Ratio Lower Upper
240 100
120 5.8 5.3 7.9
236 25.7 21.4 32.2



#77
Benzidine
Concen: 3.381 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.37 min
Lab File: BG038816.D
Acq: 22 Dec 2018 13:56

Tgt Ion:184 Resp: 16124
Ion Ratio Lower Upper
184 100
185 16.6 12.2 18.2
183 8.0 9.6 14.4#





#79

Terphenyl-d14

Concen: 128.169 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038816.D

Acq: 22 Dec 2018 13:56

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-165

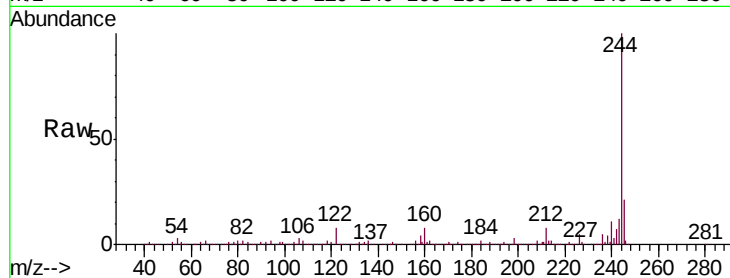
Tgt Ion:244 Resp: 949699

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

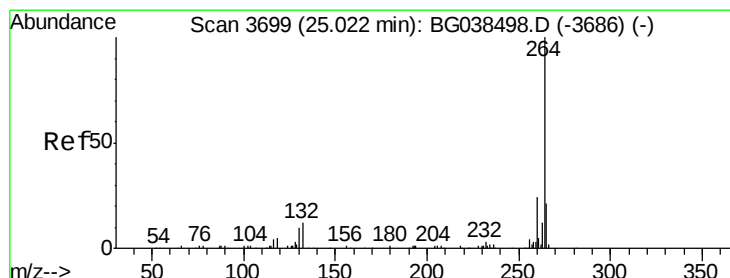
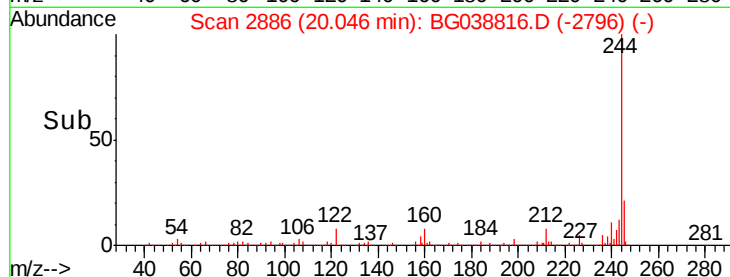
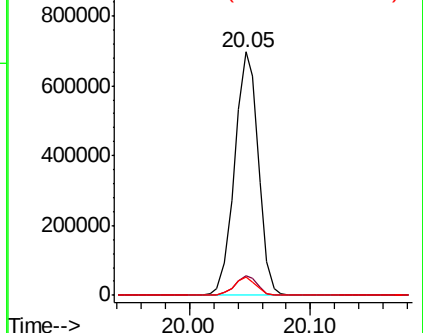
122 7.5 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.01 min

Lab File: BG038816.D

Acq: 22 Dec 2018 13:56

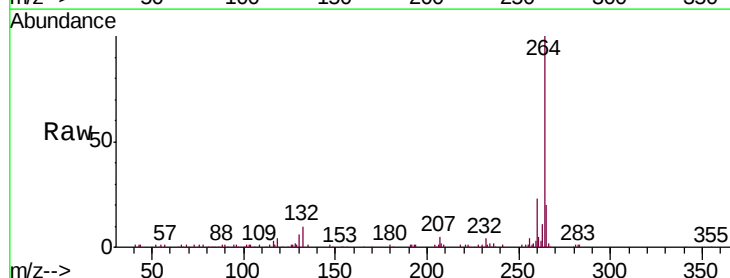
Tgt Ion:264 Resp: 172511

Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 20.3 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

