

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121918\
 Data File : BG038744.D
 Acq On : 20 Dec 2018 2:21
 Operator : JU/SJ
 Sample : J6446-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-RB-181214

Quant Time: Dec 20 03:12:08 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

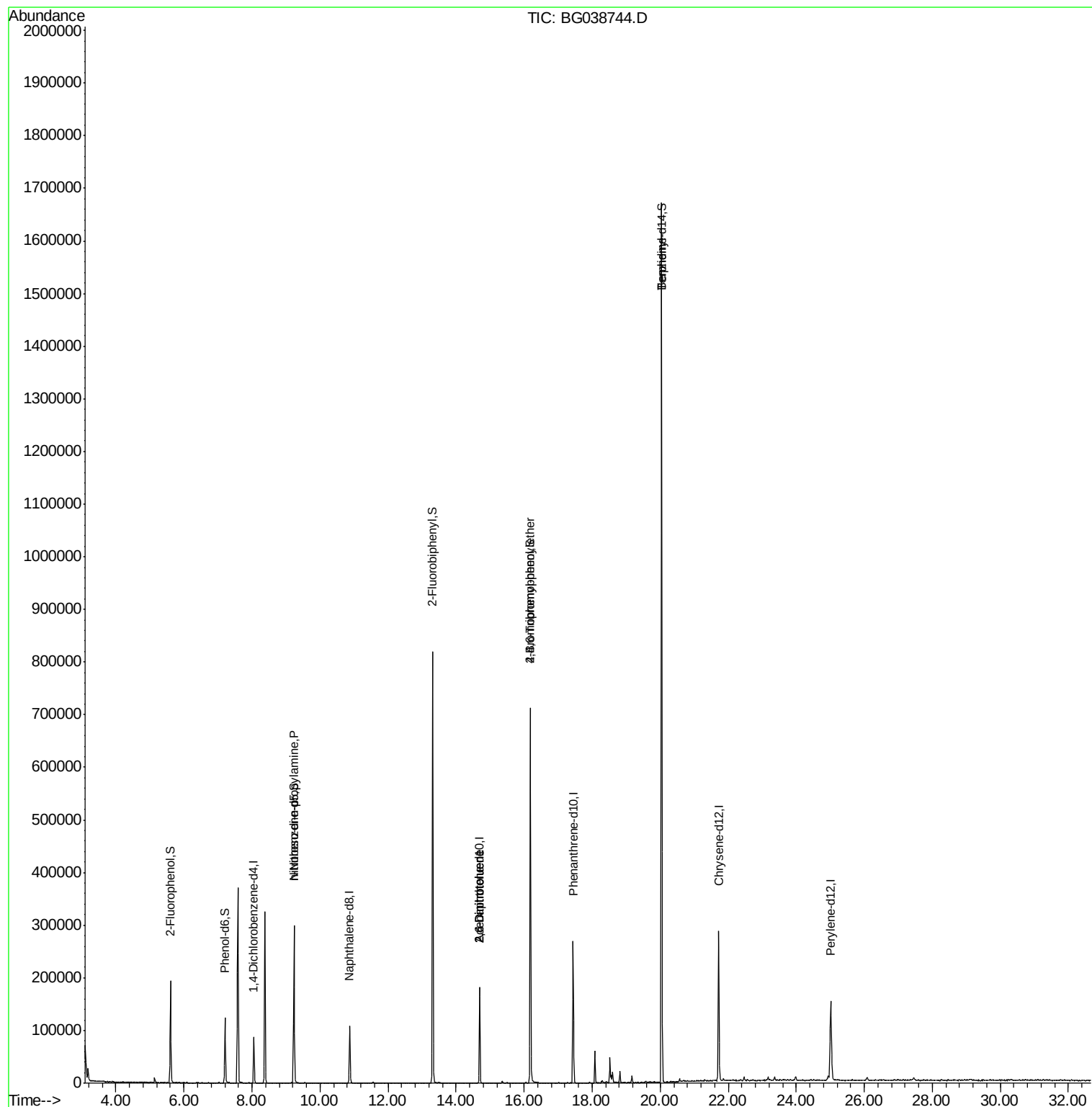
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25206	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	97973	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	67837	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	177316	20.00	ng	0.00
76) Chrysene-d12	21.72	240	179770	20.00	ng	0.00
87) Perylene-d12	25.02	264	189649	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	85752	60.34	ng	0.00
7) Phenol-d6	7.21	99	70740	36.26	ng	0.00
23) Nitrobenzene-d5	9.23	82	174251	90.86	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	149729	160.15	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	444452	89.88	ng	0.00
79) Terphenyl-d14	20.04	244	878888	106.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24462	17.852	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	9001	7.170	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9001	5.090	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9954	4.597	ng	# 1
77) Benzidine	20.04	184	14902	2.803	ng	# 96

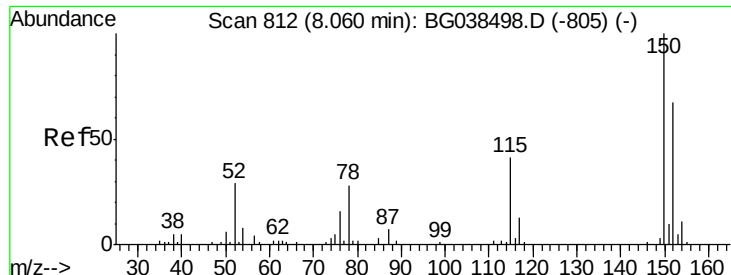
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 03:12:08 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

Instrument :

BNA_G

ClientSampleId :

P001-RB-181214

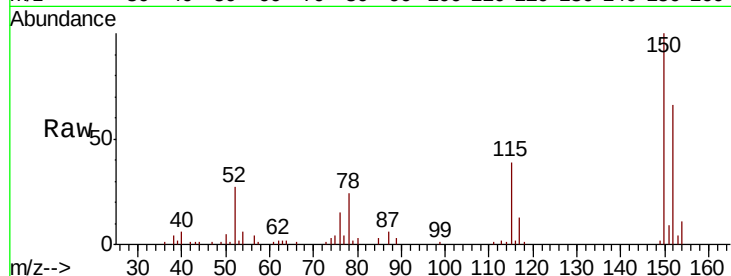
Tgt Ion:152 Resp: 25206

Ion Ratio Lower Upper

152 100

150 150.5 119.5 179.3

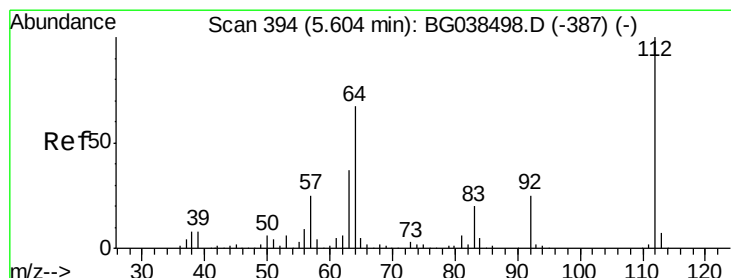
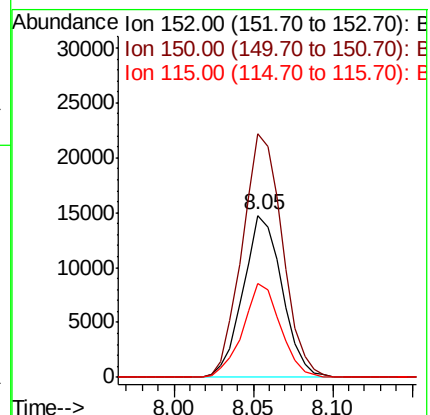
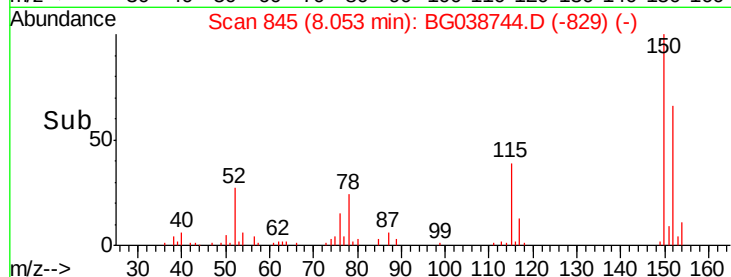
115 58.3 49.6 74.4



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: 60.340 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

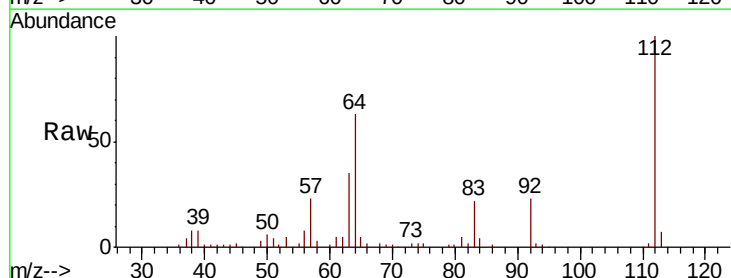
Tgt Ion:112 Resp: 85752

Ion Ratio Lower Upper

112 100

64 63.2 53.4 80.2

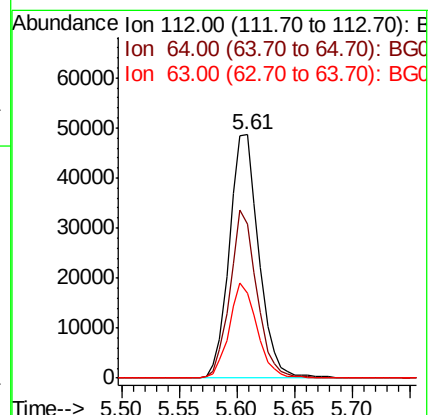
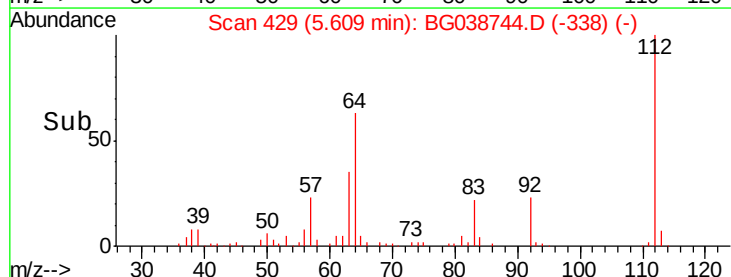
63 34.9 29.3 43.9

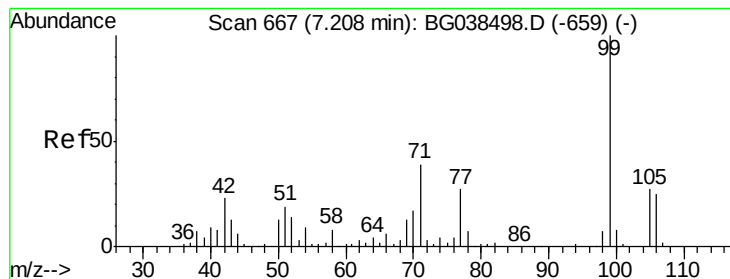


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 36.259 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

Instrument :

BNA_G

ClientSampleId :

P001-RB-181214

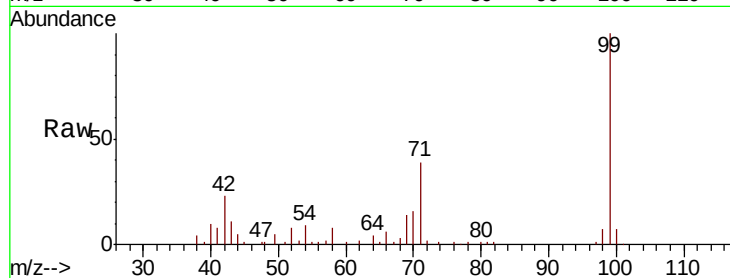
Tgt Ion: 99 Resp: 70740

Ion Ratio Lower Upper

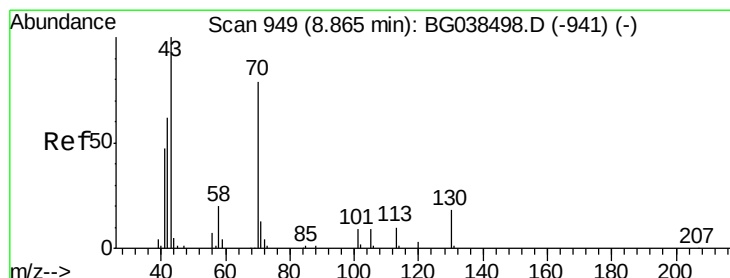
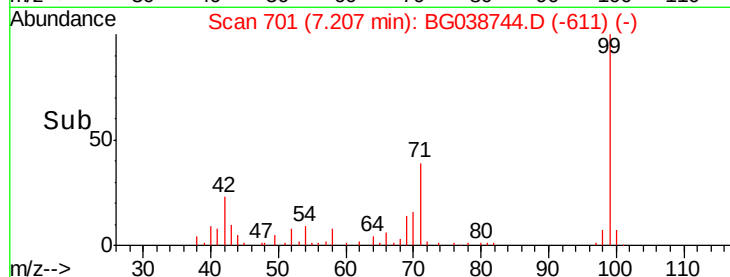
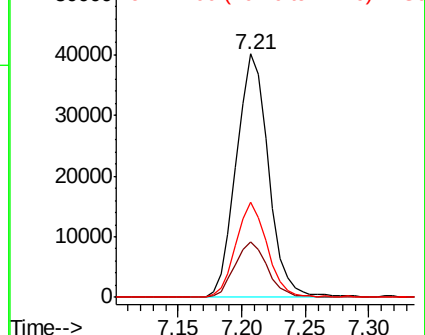
99 100

42 22.8 18.5 27.7

71 39.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.852 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

Tgt Ion: 70 Resp: 24462

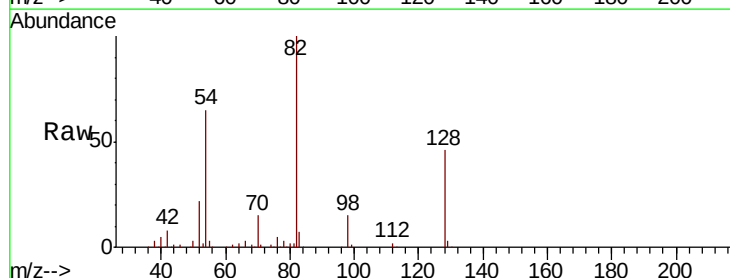
Ion Ratio Lower Upper

70 100

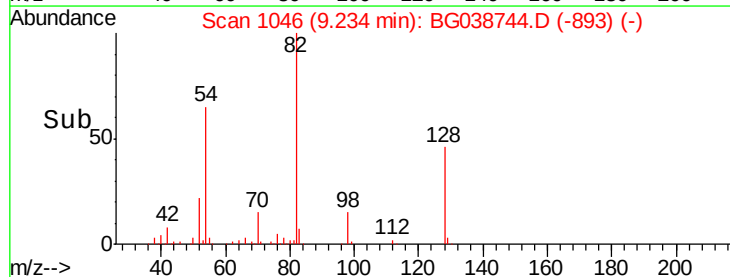
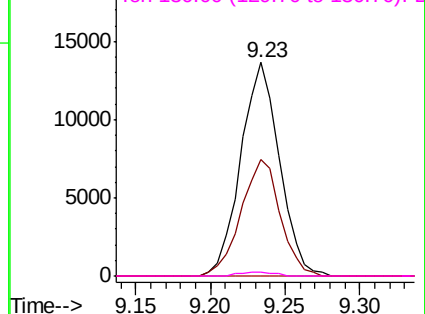
42 54.8 63.6 95.4#

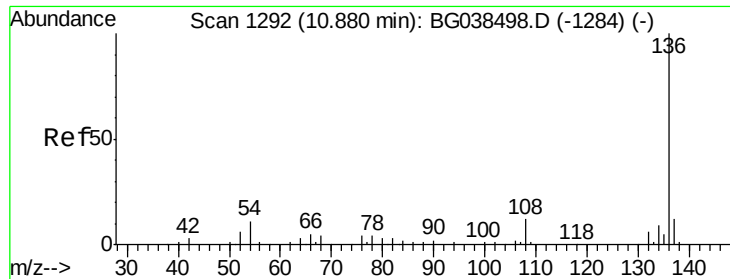
101 0.0 9.2 13.8#

130 1.6 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

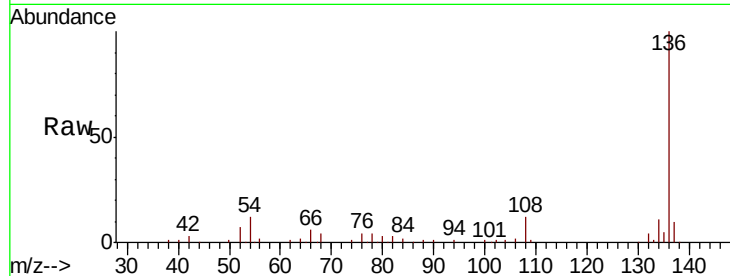




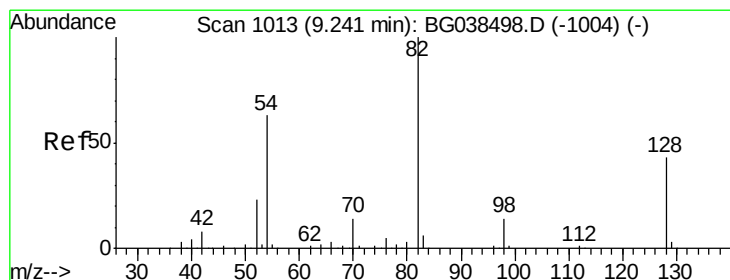
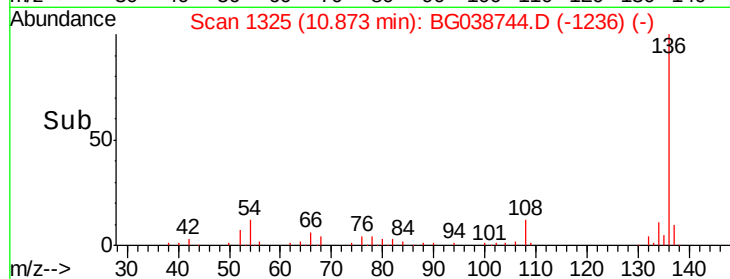
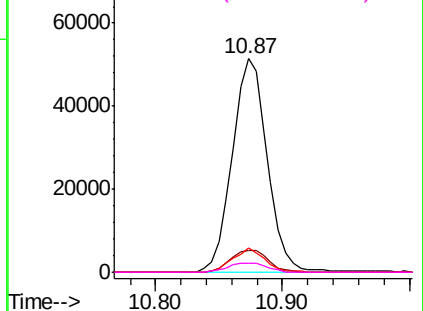
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038744.D
Acq: 20 Dec 2018 2:21

Instrument :
BNA_G
ClientSampleId :
P001-RB-181214

Tgt Ion:	136	Resp:	97973
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.3	13.9
54	11.6	8.5	12.7
68	4.4	3.5	5.3

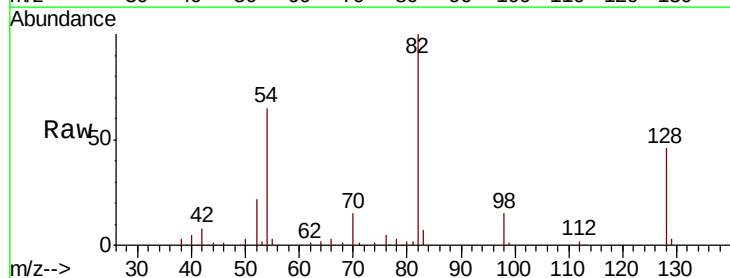


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

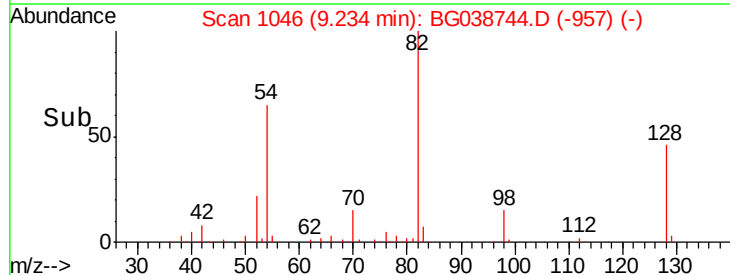
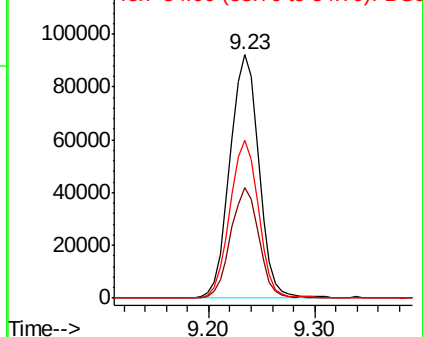


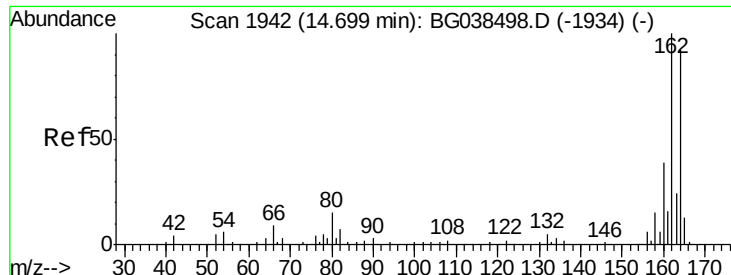
#23
Nitrobenzene-d5
Concen: 90.862 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038744.D
Acq: 20 Dec 2018 2:21

Tgt Ion:	82	Resp:	174251
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.6	52.0
54	65.0	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: BG038744.D

Acq: 20 Dec 2018 2:21

Instrument :

BNA_G

ClientSampleId :

P001-RB-181214

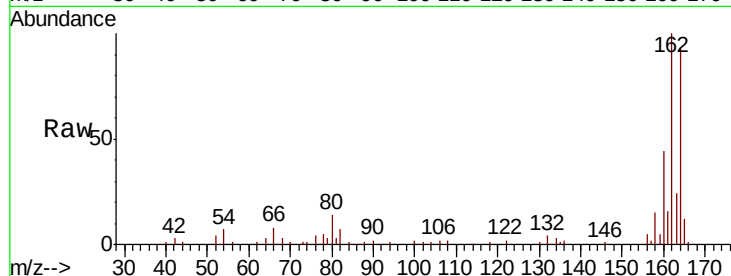
Tgt Ion:164 Resp: 67837

Ion Ratio Lower Upper

164 100

162 107.8 86.6 130.0

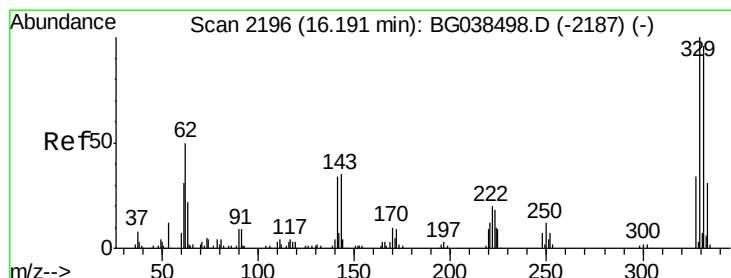
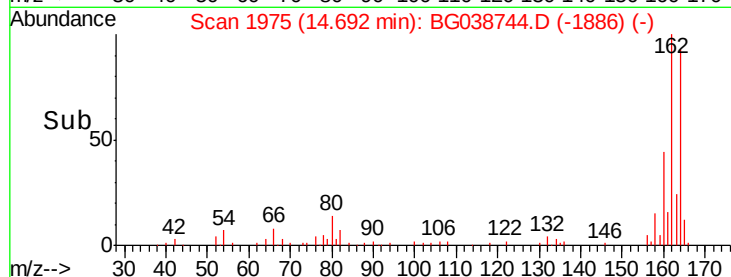
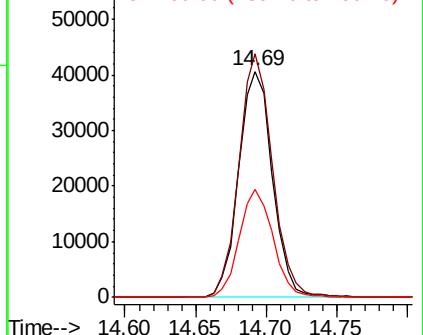
160 47.8 34.2 51.2



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: 160.152 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

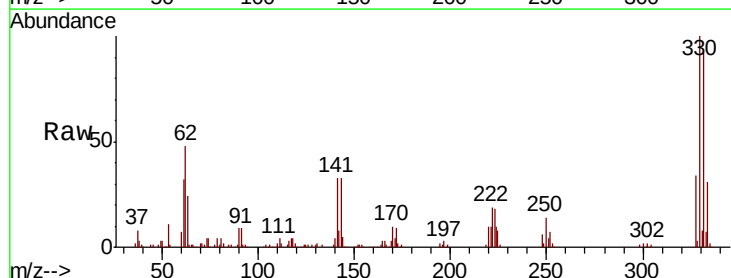
Tgt Ion:330 Resp: 149729

Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

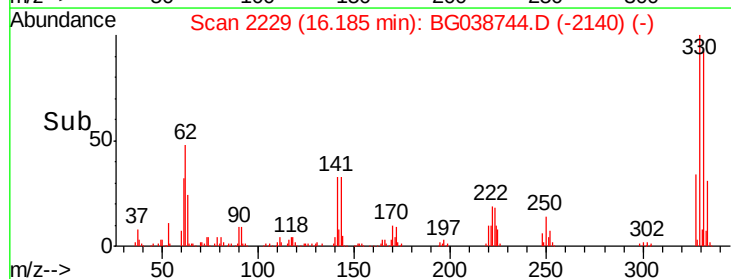
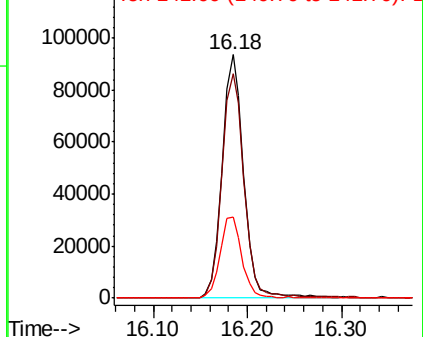
141 33.7 28.8 43.2

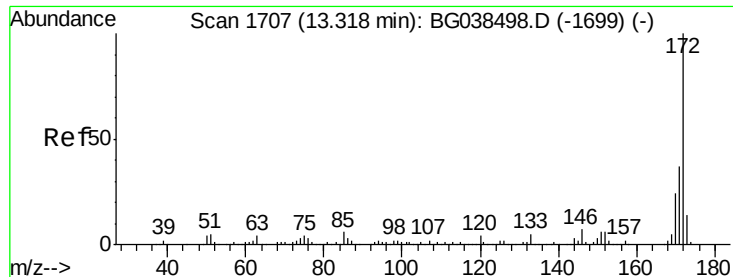


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

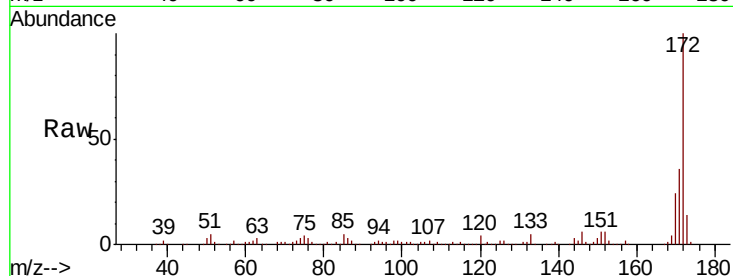




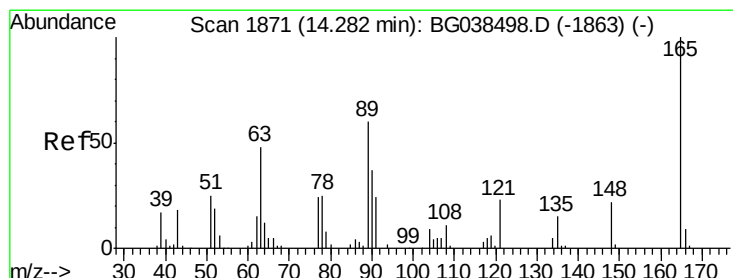
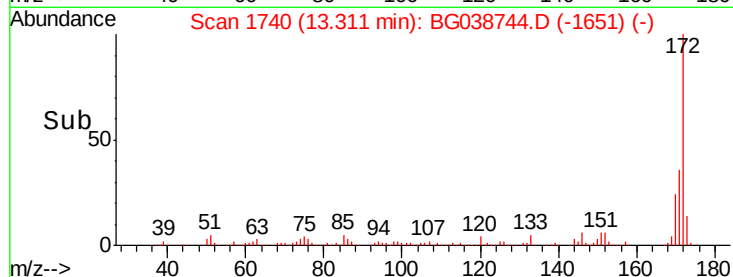
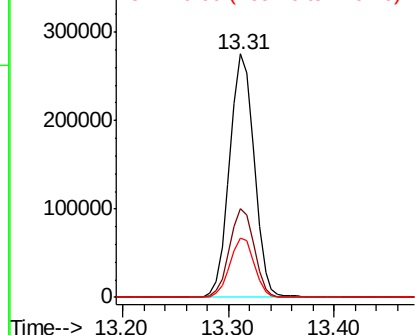
#45
 2-Fluorobiphenyl
 Concen: 89.880 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-RB-181214

Tgt Ion:172 Resp: 444452
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.8 44.6
 170 24.2 19.5 29.3

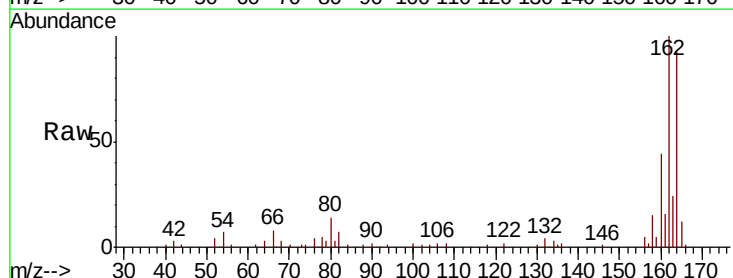


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

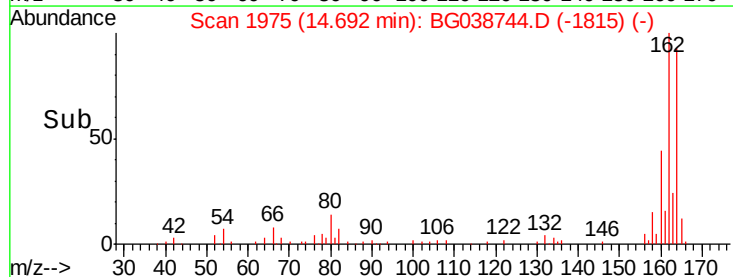
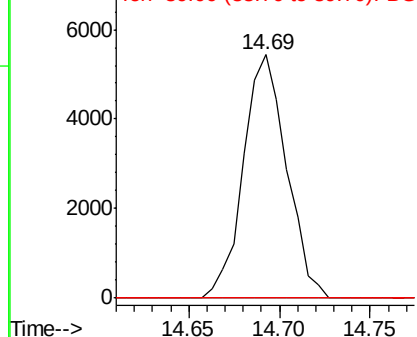


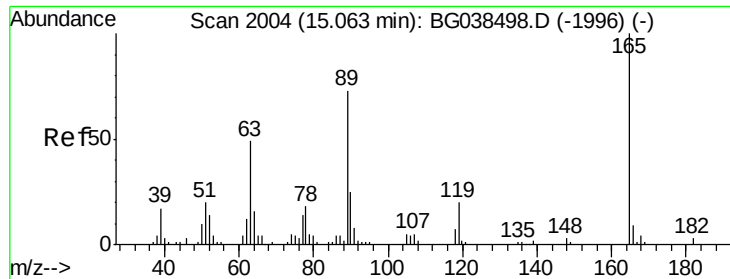
#51
 2,6-Dinitrotoluene
 Concen: 7.170 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Tgt Ion:165 Resp: 9001
 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

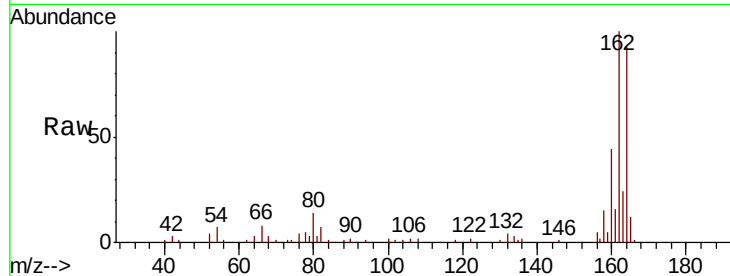




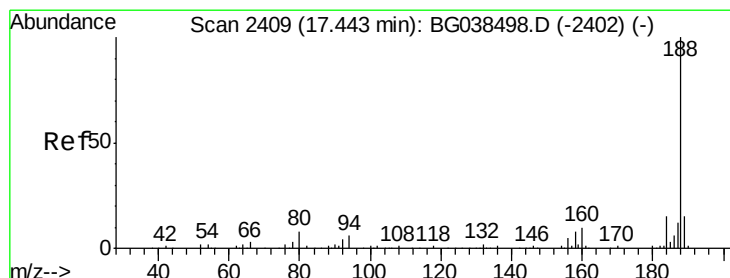
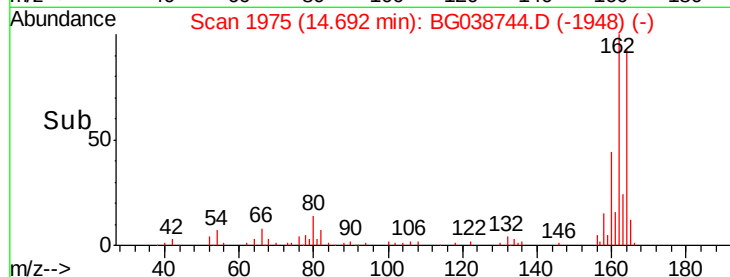
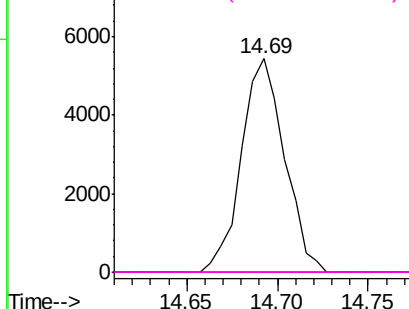
#57
 2,4-Dinitrotoluene
 Concen: 5.090 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-RB-181214

Tgt Ion:	165	Resp:	9001
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#

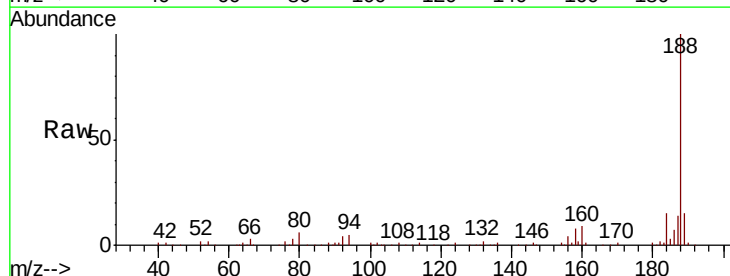


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

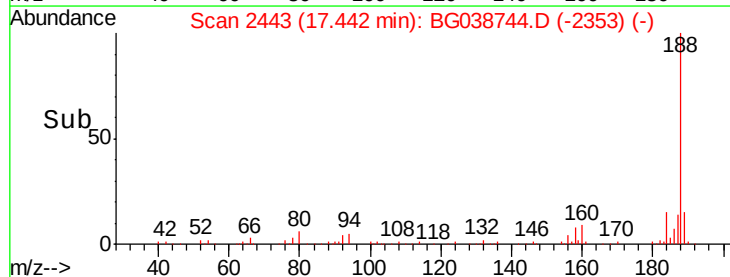
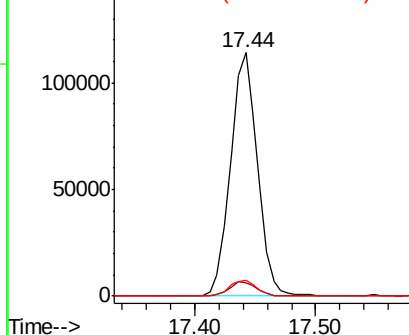


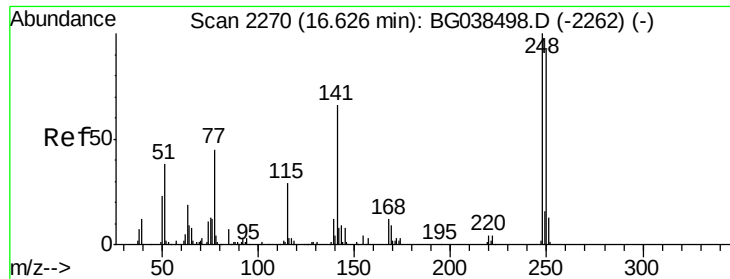
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Tgt Ion:	188	Resp:	177316
Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.1	7.7
80	6.4	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

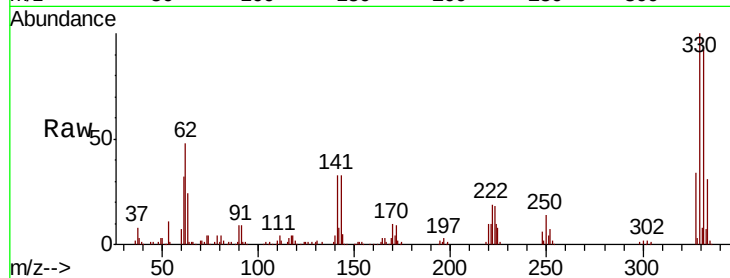




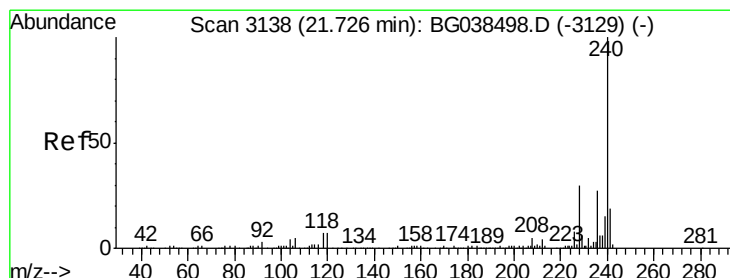
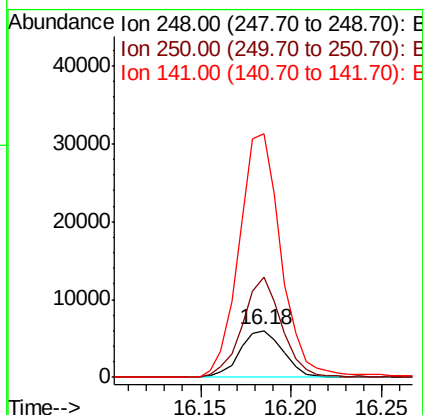
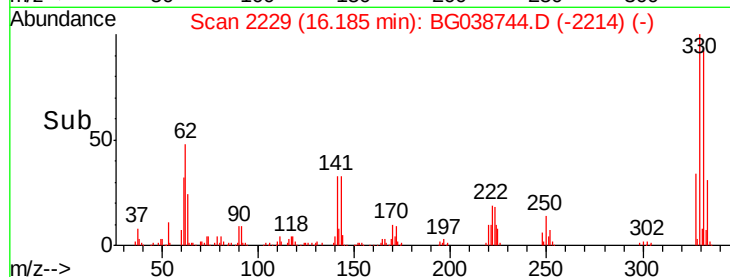
#67
 4-Bromophenyl-phenylether
 Concen: 4.597 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-RB-181214

Tgt Ion:248 Resp: 9954
 Ion Ratio Lower Upper
 248 100
 250 208.8 73.4 110.2#
 141 399.3 52.9 79.3#

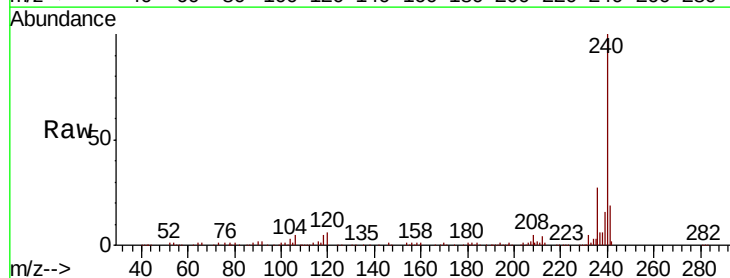


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

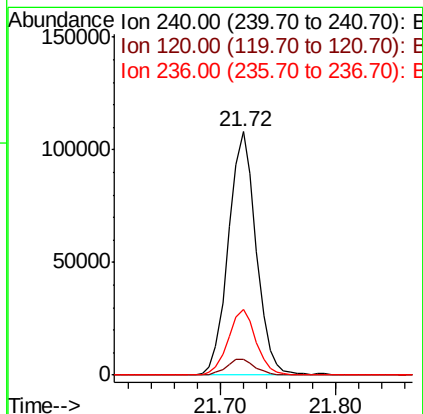
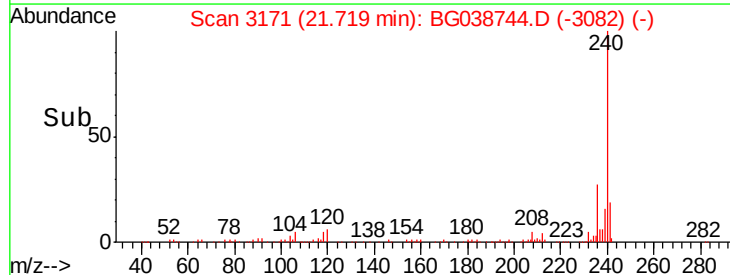


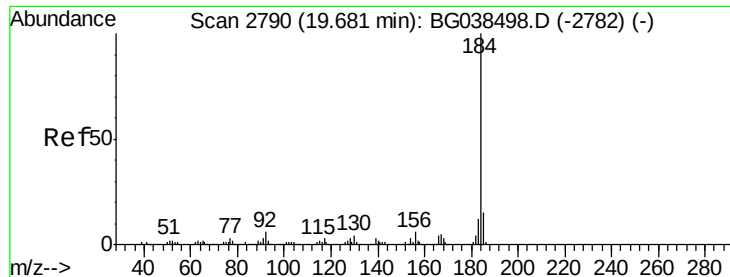
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038744.D
 Acq: 20 Dec 2018 2:21

Tgt Ion:240 Resp: 179770
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.3 7.9
 236 27.0 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: 2.803 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

Instrument :

BNA_G

ClientSampleId :

P001-RB-181214

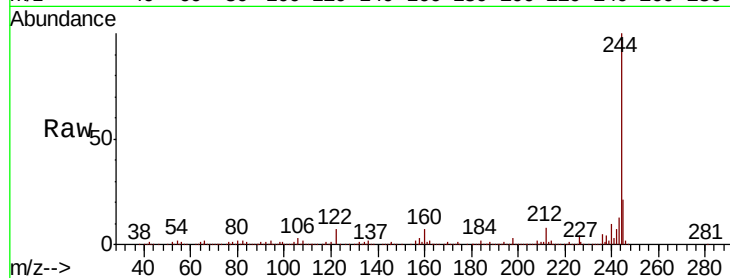
Tgt Ion:184 Resp: 14902

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

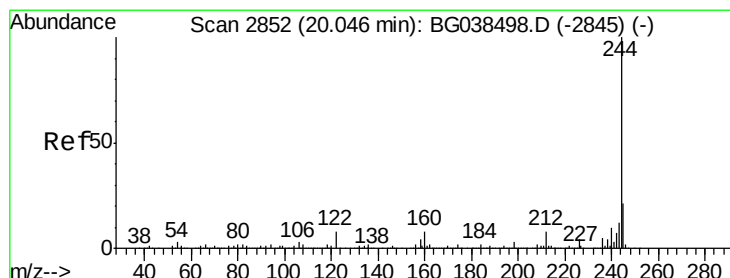
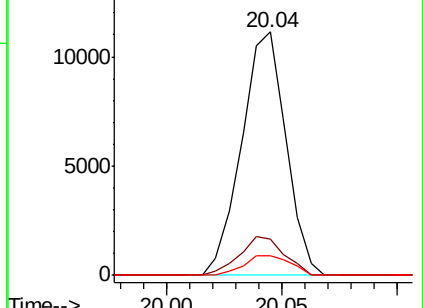
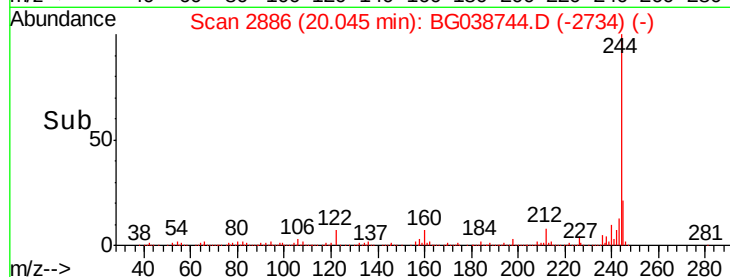
183 8.2 9.6 14.4#



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: 106.400 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038744.D

Acq: 20 Dec 2018 2:21

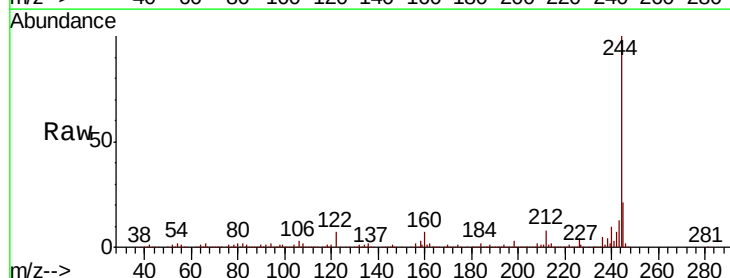
Tgt Ion:244 Resp: 878888

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

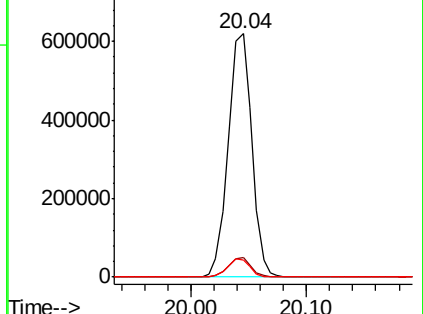
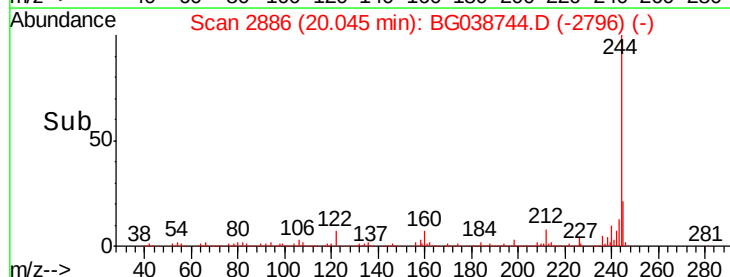
122 6.9 6.3 9.5

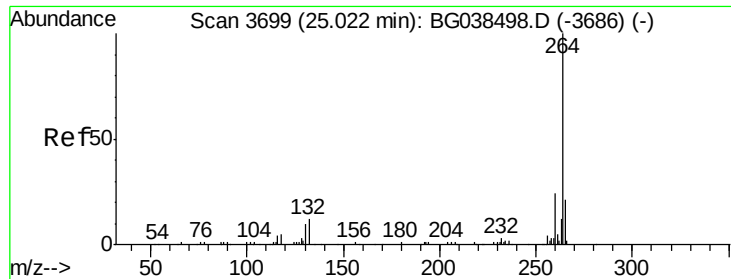


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038744.D
Acq: 20 Dec 2018 2:21

Instrument :
BNA_G
ClientSampleId :
P001-RB-181214

Tgt Ion: 264 Resp: 189649
Ion Ratio Lower Upper
264 100
260 22.7 18.9 28.3
265 21.8 17.0 25.4

