

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038572.D
 Acq On : 14 Dec 2018 17:48
 Operator : JU/SJ
 Sample : PB115343BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115343BL

Quant Time: Dec 14 22:54:55 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

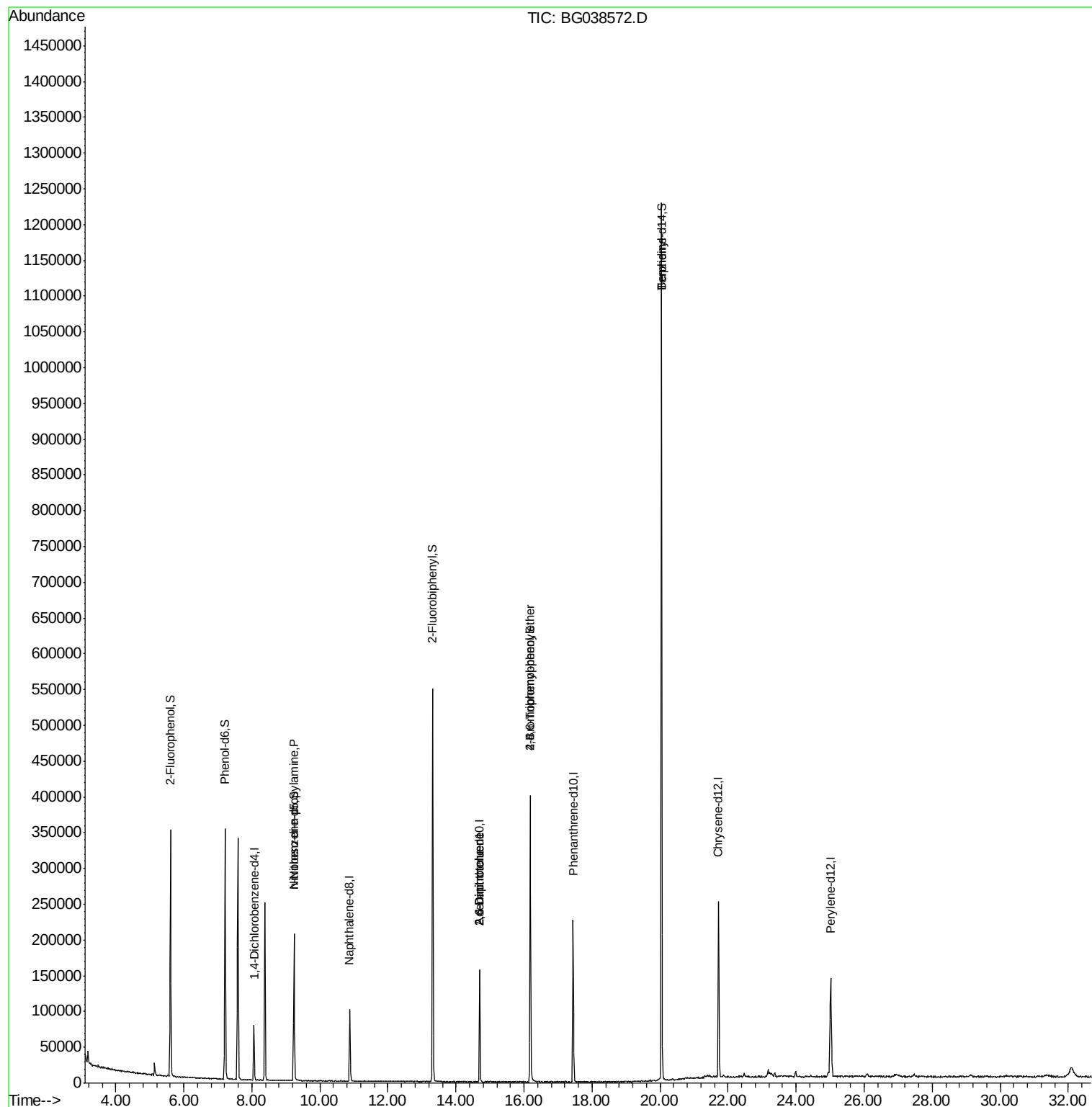
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21811	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	89596	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	58737	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	153503	20.00	ng	0.00
76) Chrysene-d12	21.72	240	160853	20.00	ng	0.00
87) Perylene-d12	25.02	264	165679	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	147221	119.72	ng	0.00
7) Phenol-d6	7.21	99	197657	117.08	ng	0.00
23) Nitrobenzene-d5	9.24	82	125614	71.62	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	83306	102.91	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	305339	71.31	ng	0.00
79) Terphenyl-d14	20.04	244	606494	82.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	16780	14.152	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	7181	6.606	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7181	4.690	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5177	2.761	ng	# 1
77) Benzidine	20.04	184	10238	2.152	ng	# 94

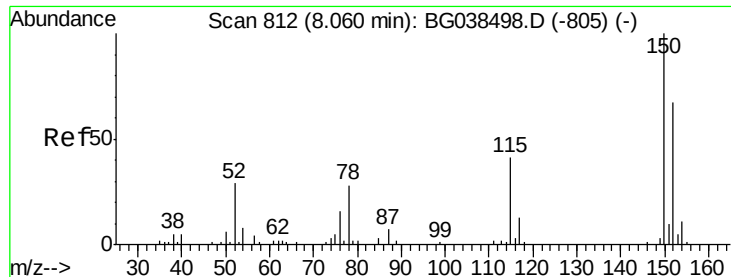
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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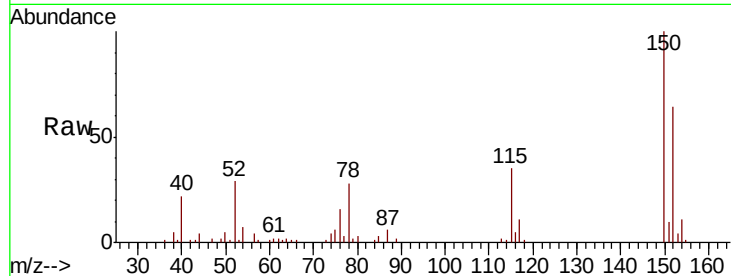




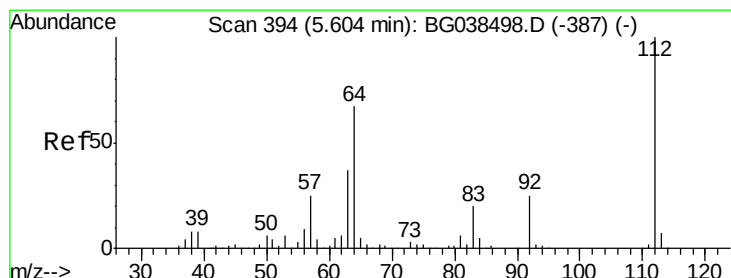
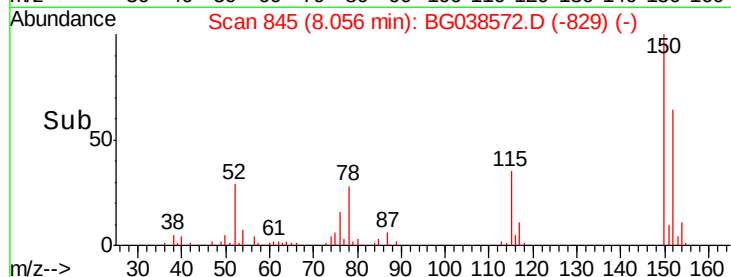
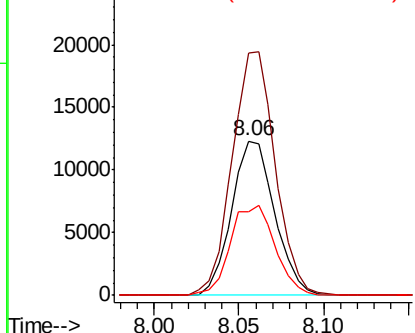
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Instrument :
 BNA_G
 ClientSampleId :
 PB115343BL

Tgt Ion:152 Resp: 21811
 Ion Ratio Lower Upper
 152 100
 150 156.7 119.5 179.3
 115 54.5 49.6 74.4

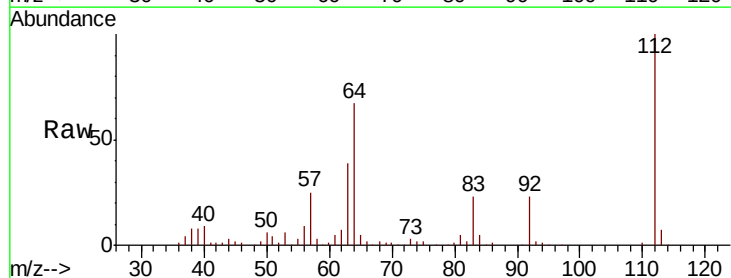


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

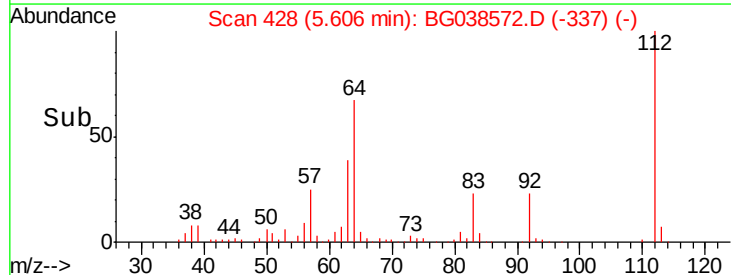
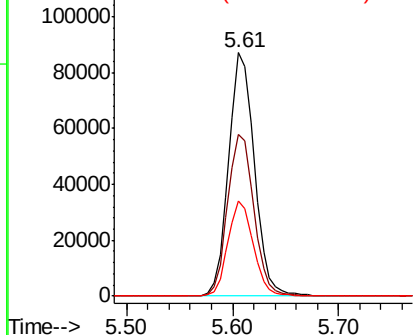


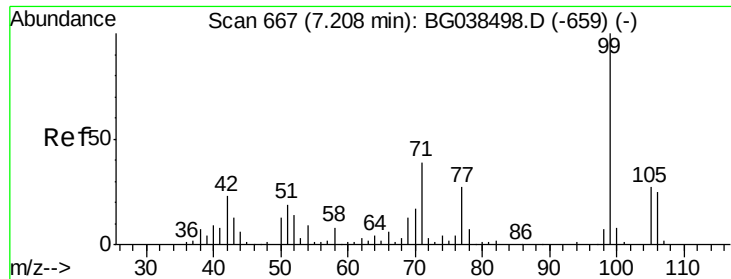
#5
 2-Fluorophenol
 Concen: 119.719 ng
 RT: 5.61 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Tgt Ion:112 Resp: 147221
 Ion Ratio Lower Upper
 112 100
 64 66.6 53.4 80.2
 63 38.9 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: 117.083 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

Instrument :

BNA_G

ClientSampled :

PB115343BL

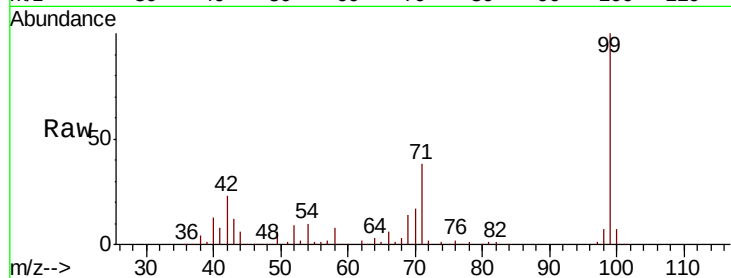
Tgt Ion: 99 Resp: 197657

Ion Ratio Lower Upper

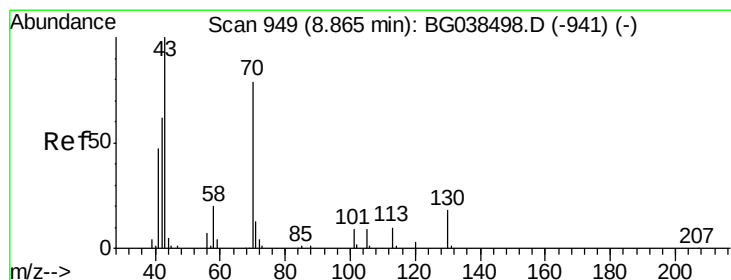
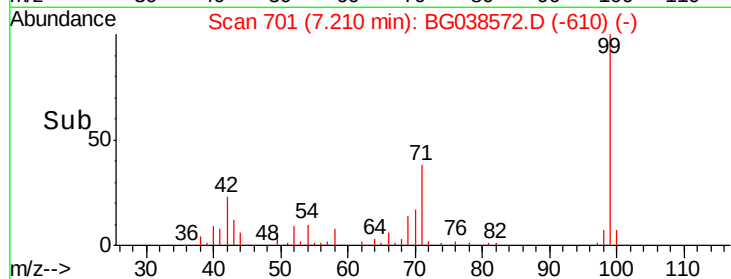
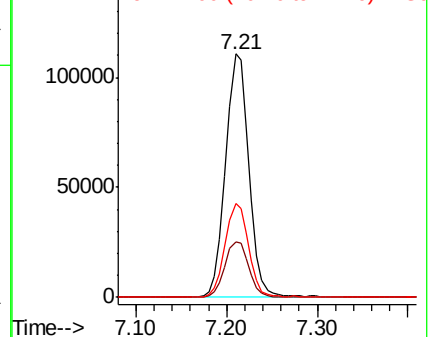
99 100

42 22.5 18.5 27.7

71 38.4 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: 14.152 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.37 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

Tgt Ion: 70 Resp: 16780

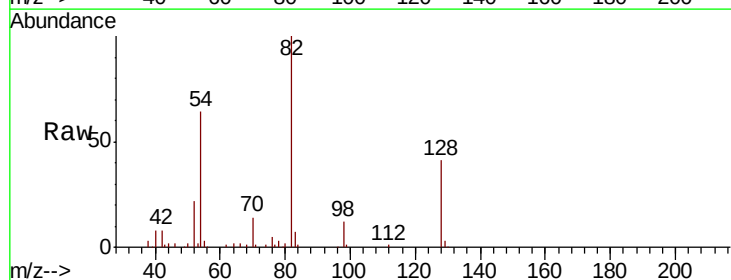
Ion Ratio Lower Upper

70 100

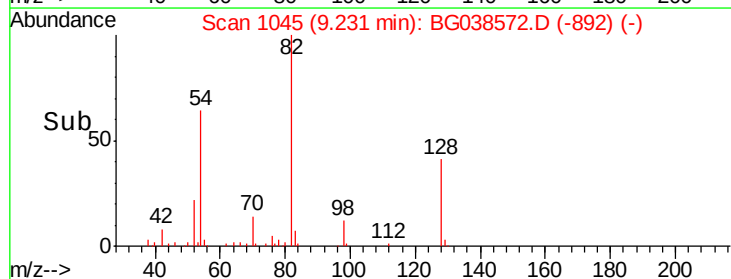
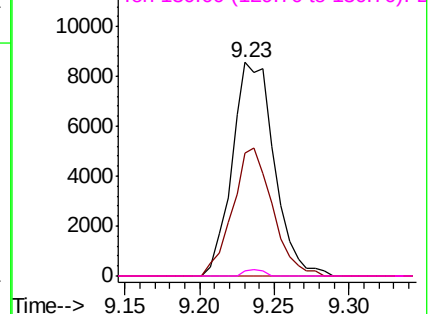
42 57.5 63.6 95.4#

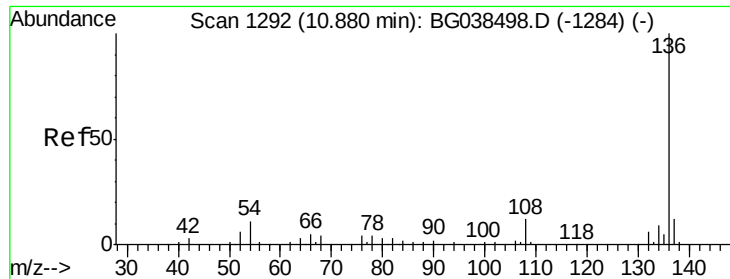
101 0.0 9.2 13.8#

130 2.5 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

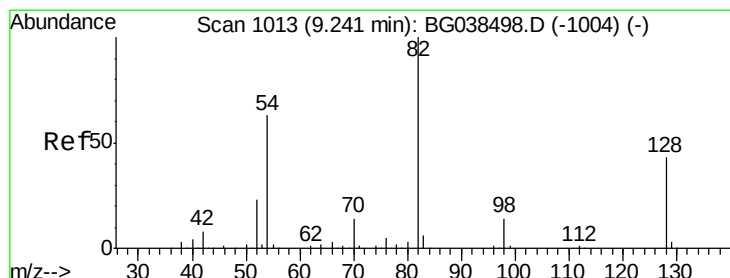
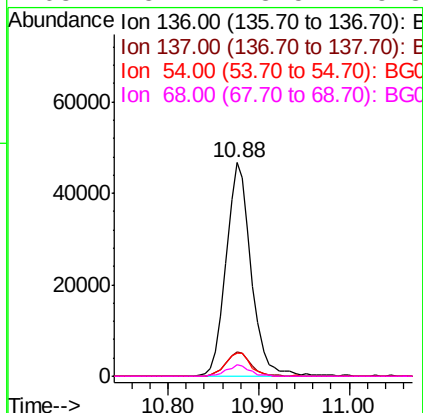
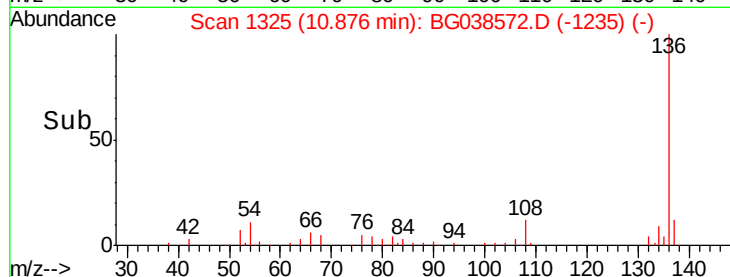
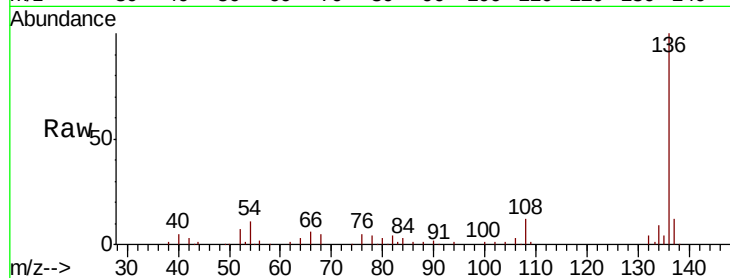




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038572.D
Acq: 14 Dec 2018 17:48

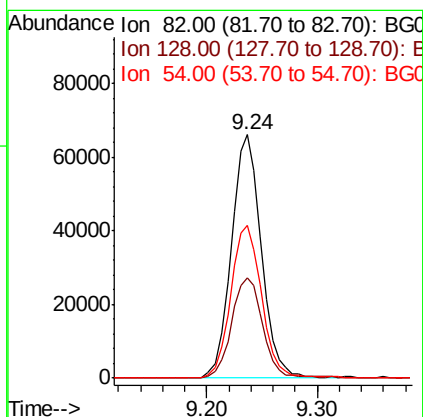
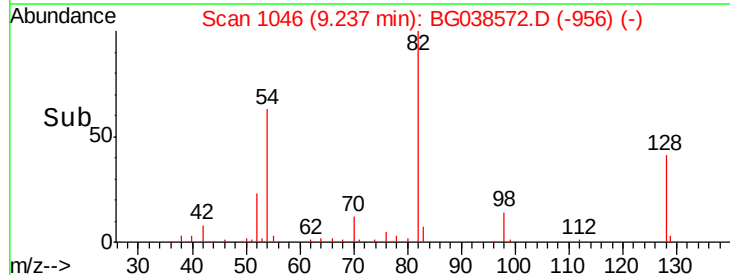
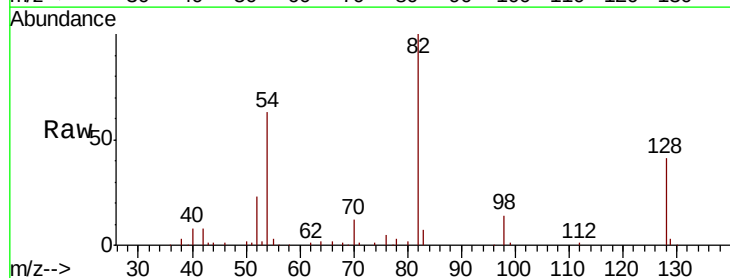
Instrument :
BNA_G
ClientSampleId :
PB115343BL

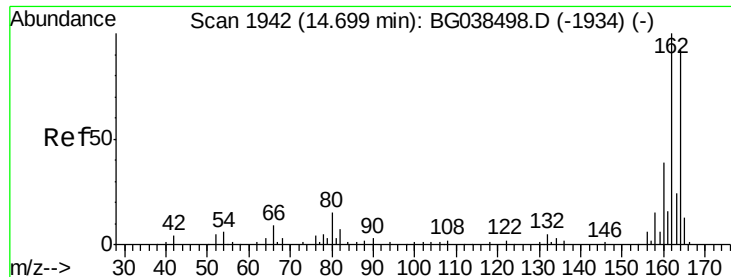
Tgt Ion: 136 Resp: 89596
Ion Ratio Lower Upper
136 100
137 11.7 9.3 13.9
54 10.7 8.5 12.7
68 5.4 3.5 5.3#



#23
Nitrobenzene-d5
Concen: 71.624 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038572.D
Acq: 14 Dec 2018 17:48

Tgt Ion: 82 Resp: 125614
Ion Ratio Lower Upper
82 100
128 41.2 34.6 52.0
54 62.7 50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

Instrument :

BNA_G

ClientSampleId :

PB115343BL

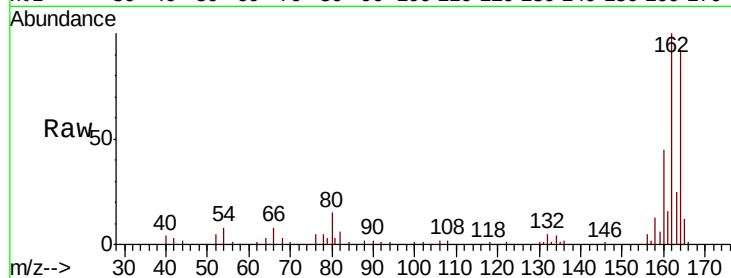
Tgt Ion:164 Resp: 58737

Ion Ratio Lower Upper

164 100

162 108.4 86.6 130.0

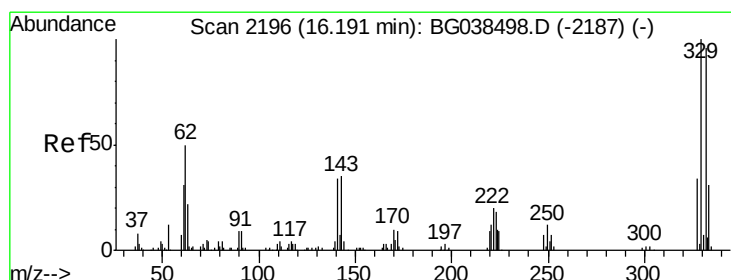
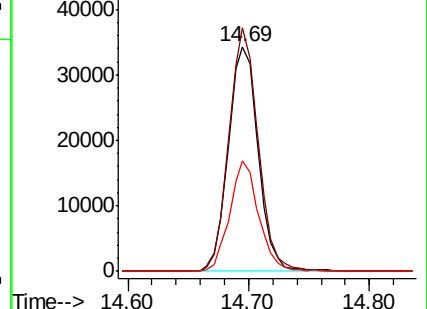
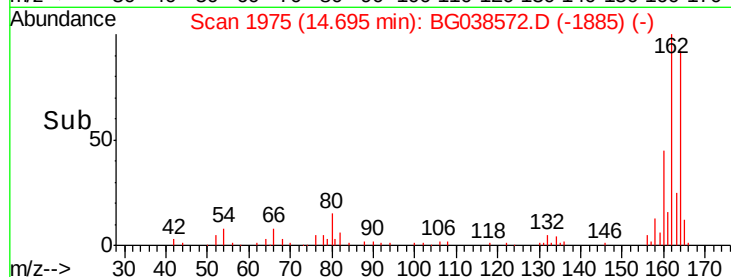
160 49.0 34.2 51.2



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: 102.910 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

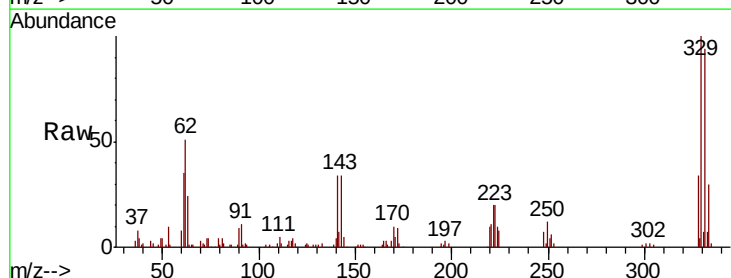
Tgt Ion:330 Resp: 83306

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

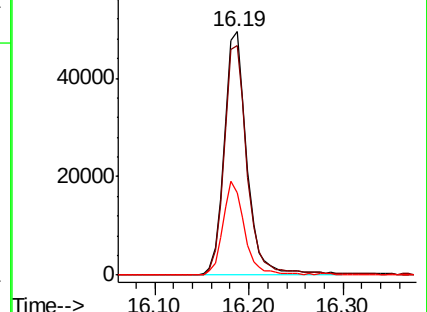
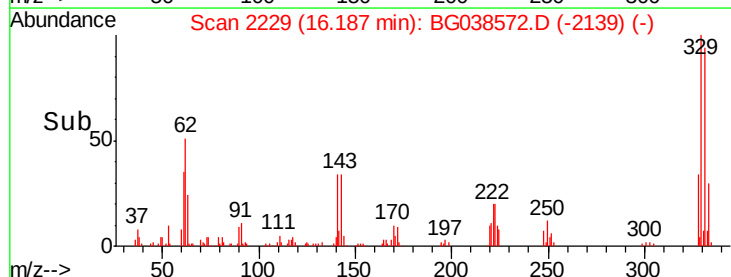
141 36.7 28.8 43.2

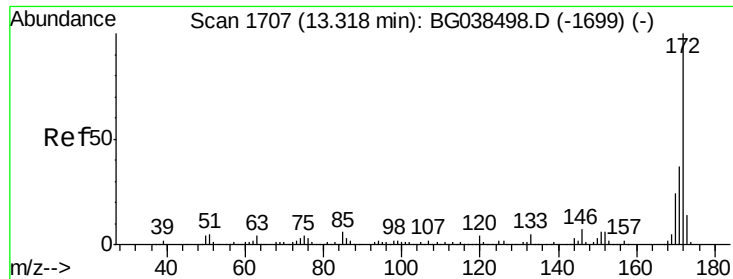


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

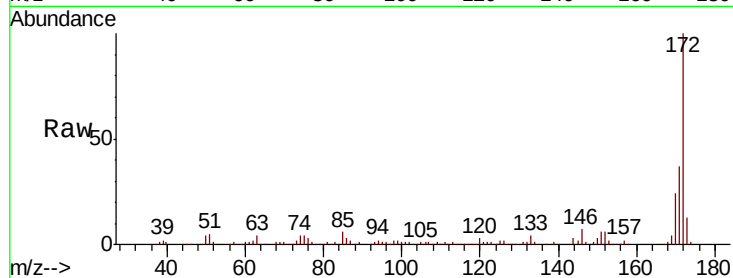




#45
 2-Fluorobiphenyl
 Concen: 71.314 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Instrument :
 BNA_G
 ClientSampleId :
 PB115343BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	24.4	19.5	29.3

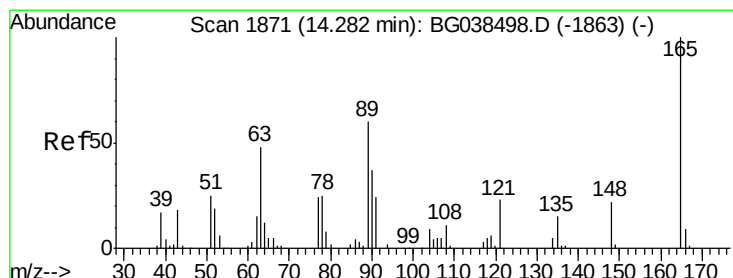
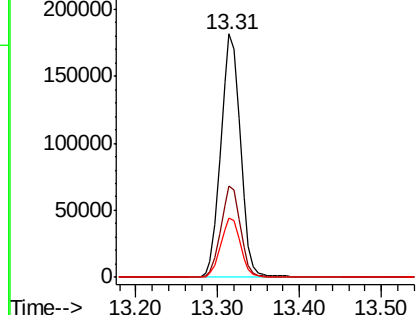
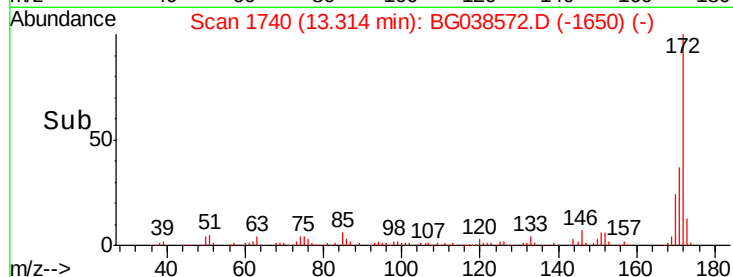


Abundance

Ion 172.00 (171.70 to 172.70): E

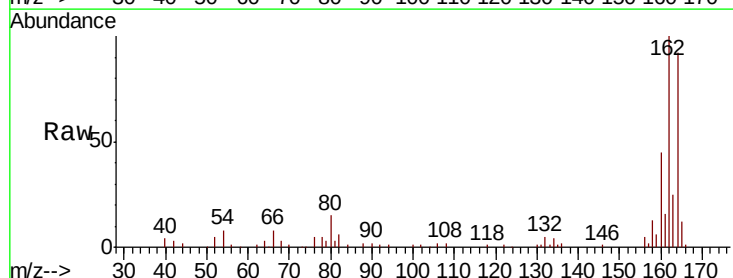
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 6.606 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

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

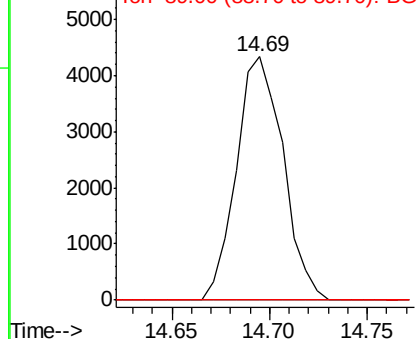
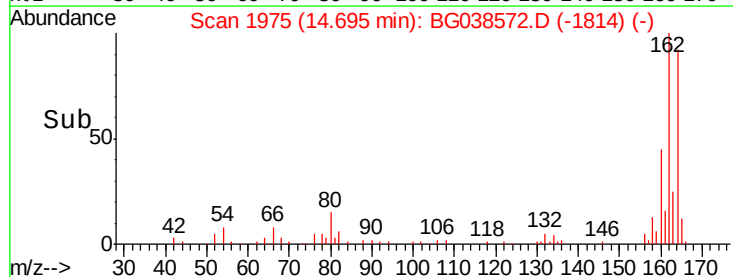


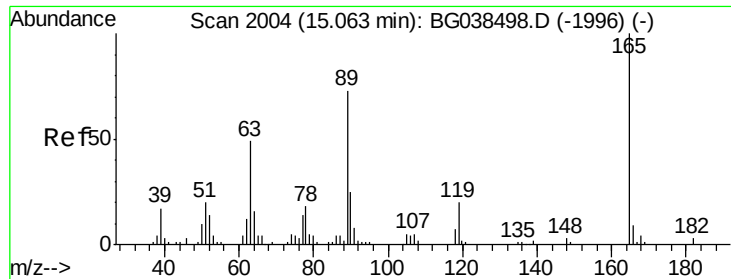
Abundance

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

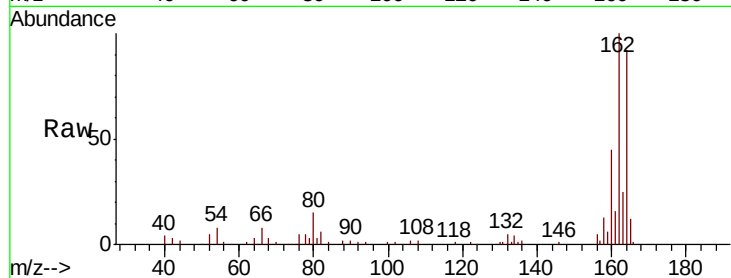




#57
 2,4-Dinitrotoluene
 Concen: 4.690 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Instrument :
 BNA_G
 ClientSampleId :
 PB115343BL

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#



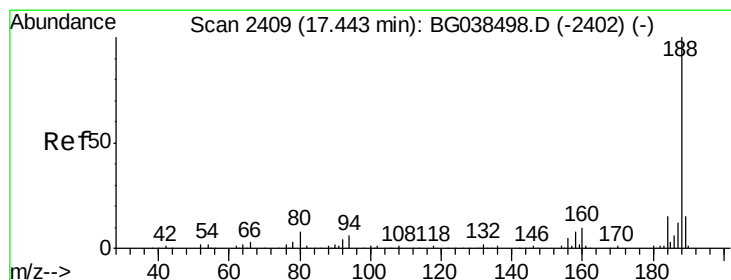
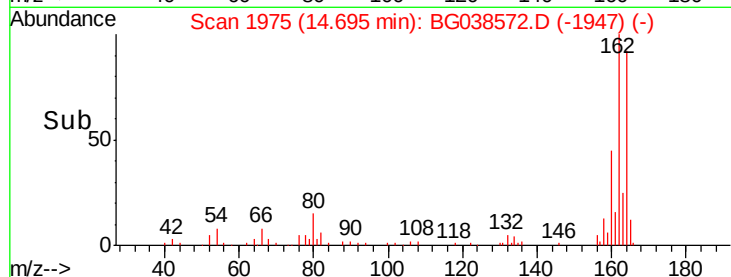
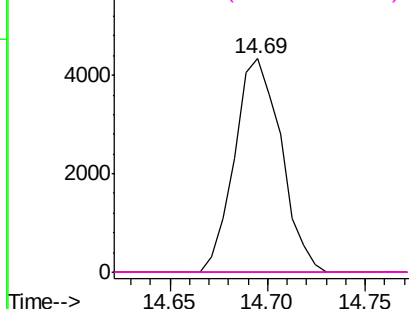
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

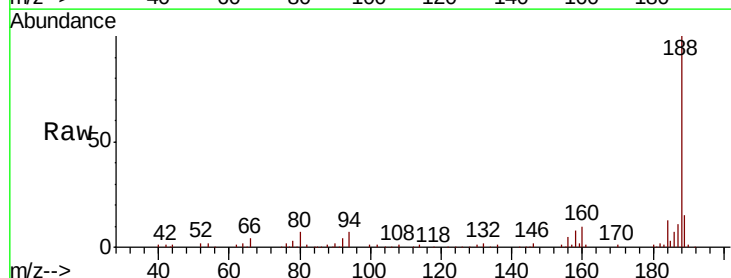
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.1	7.7
80	6.6	6.1	9.1

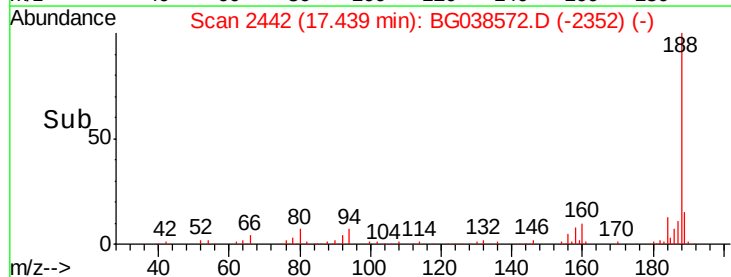
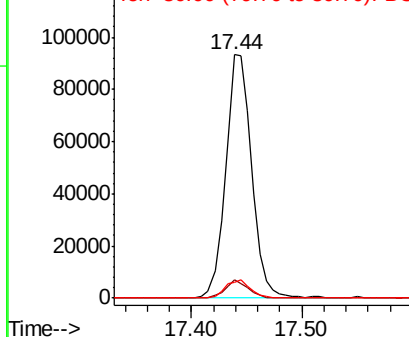


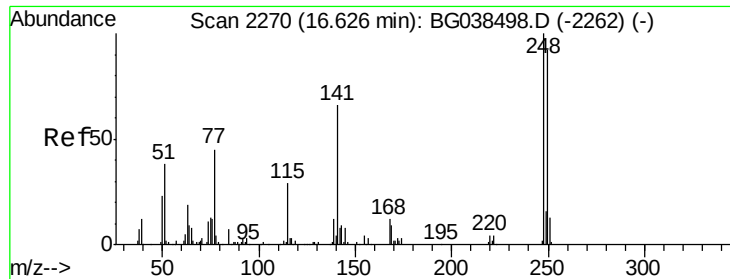
Abundance

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

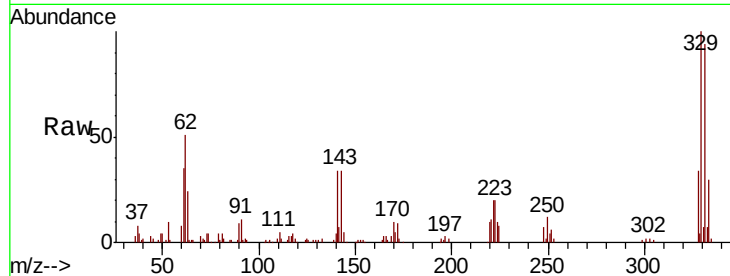




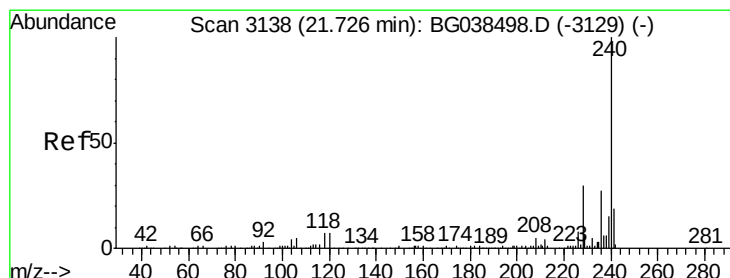
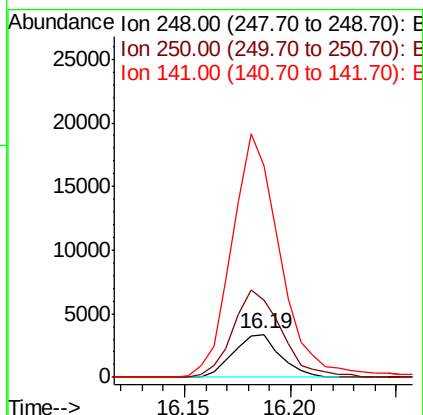
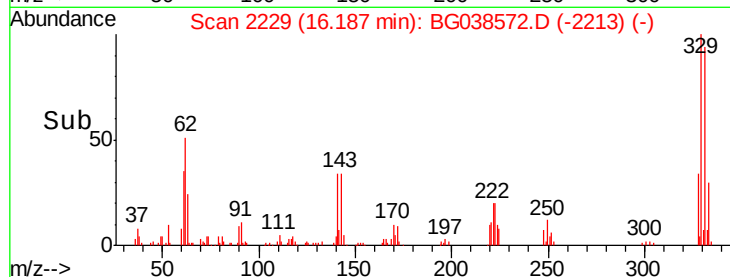
#67
 4-Bromophenyl-phenylether
 Concen: 2.761 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Instrument :
 BNA_G
 ClientSampleId :
 PB115343BL

Tgt Ion:248 Resp: 5177
 Ion Ratio Lower Upper
 248 100
 250 187.5 73.4 110.2#
 141 382.8 52.9 79.3#

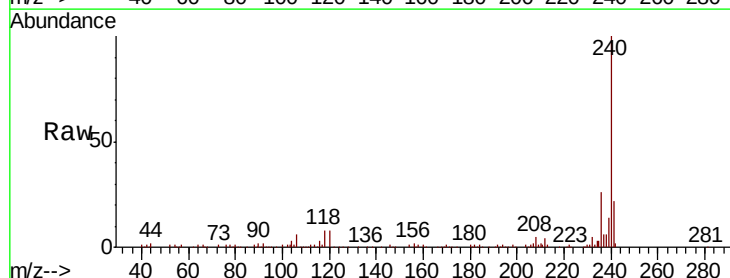


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

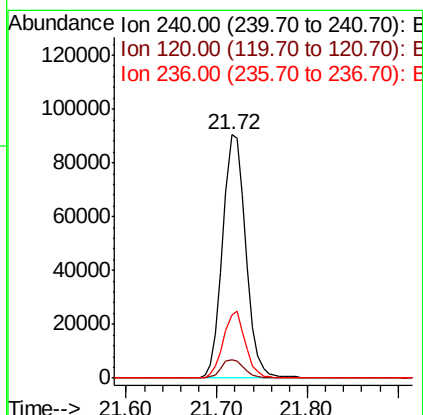
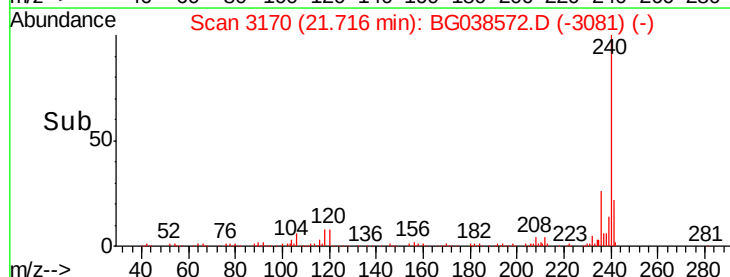


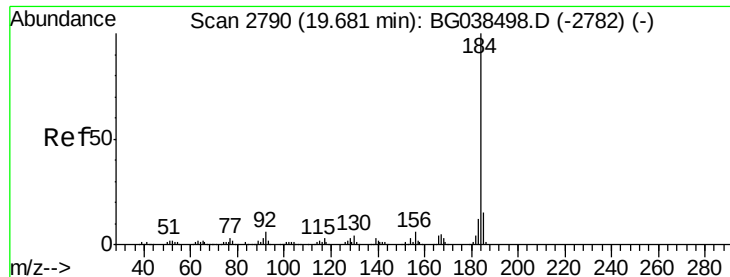
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038572.D
 Acq: 14 Dec 2018 17:48

Tgt Ion:240 Resp: 160853
 Ion Ratio Lower Upper
 240 100
 120 7.6 5.3 7.9
 236 25.7 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: 2.152 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

Instrument :

BNA_G

ClientSampleId :

PB115343BL

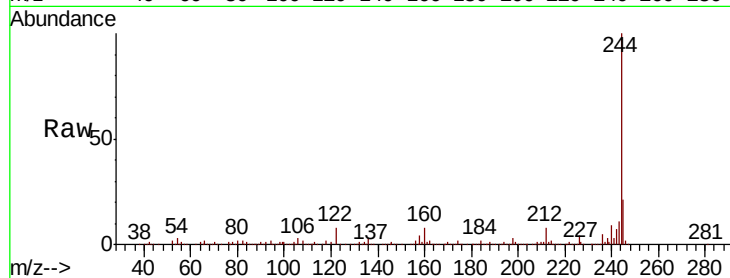
Tgt Ion:184 Resp: 10238

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

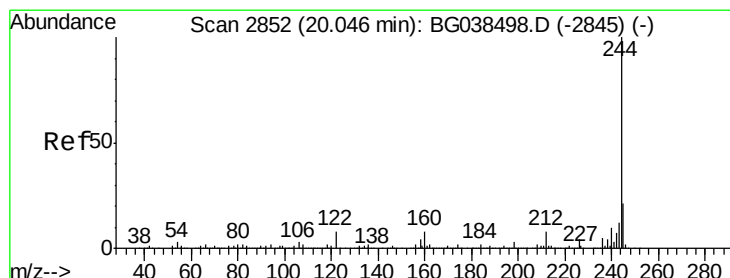
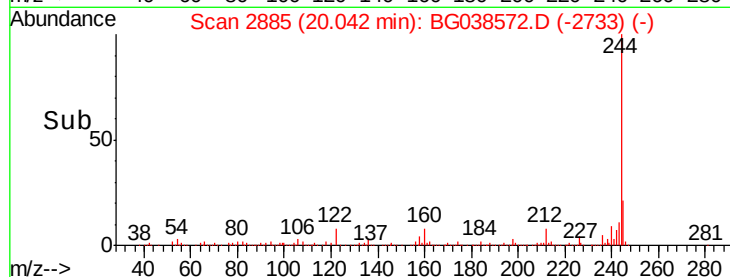
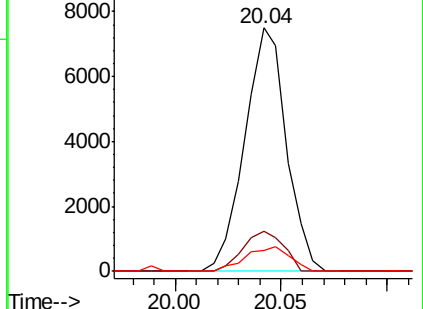
183 8.4 9.6 14.4#



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: 82.058 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038572.D

Acq: 14 Dec 2018 17:48

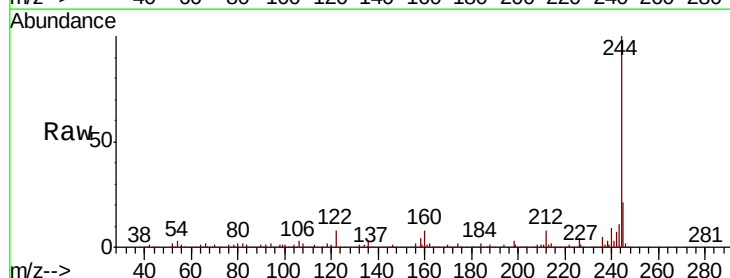
Tgt Ion:244 Resp: 606494

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

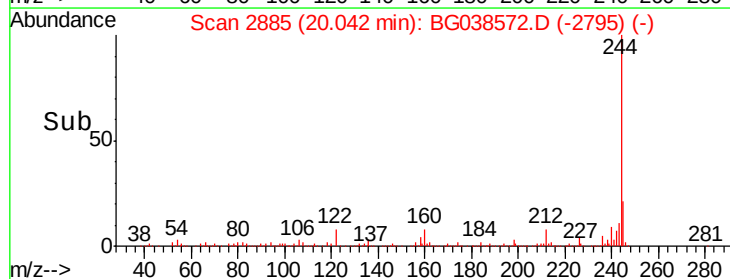
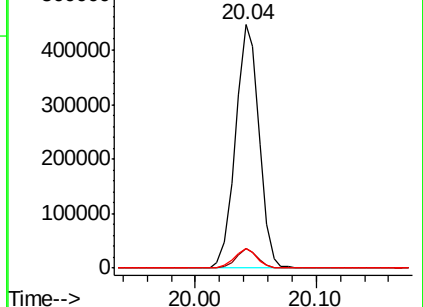
122 7.9 6.3 9.5

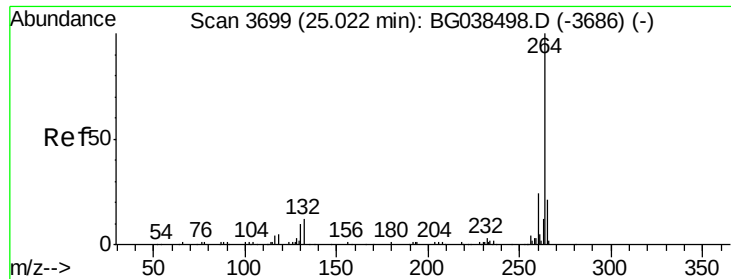


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

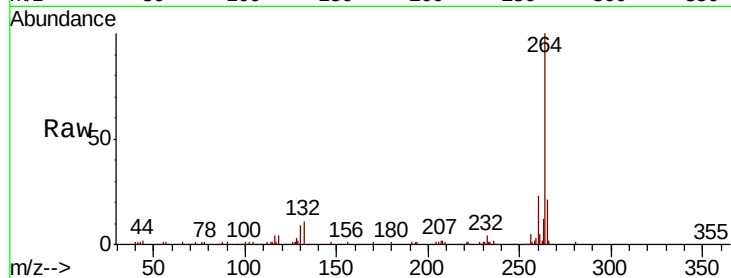




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.00 min
Lab File: BG038572.D
Acq: 14 Dec 2018 17:48

Instrument :
BNA_G
ClientSampleId :
PB115343BL

Tgt Ion:	264	Resp:	165679
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	21.4	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

