

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
 Data File : BG038759.D
 Acq On : 20 Dec 2018 12:13
 Operator : JU/SJ
 Sample : PB115840TB
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 15:26:36 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

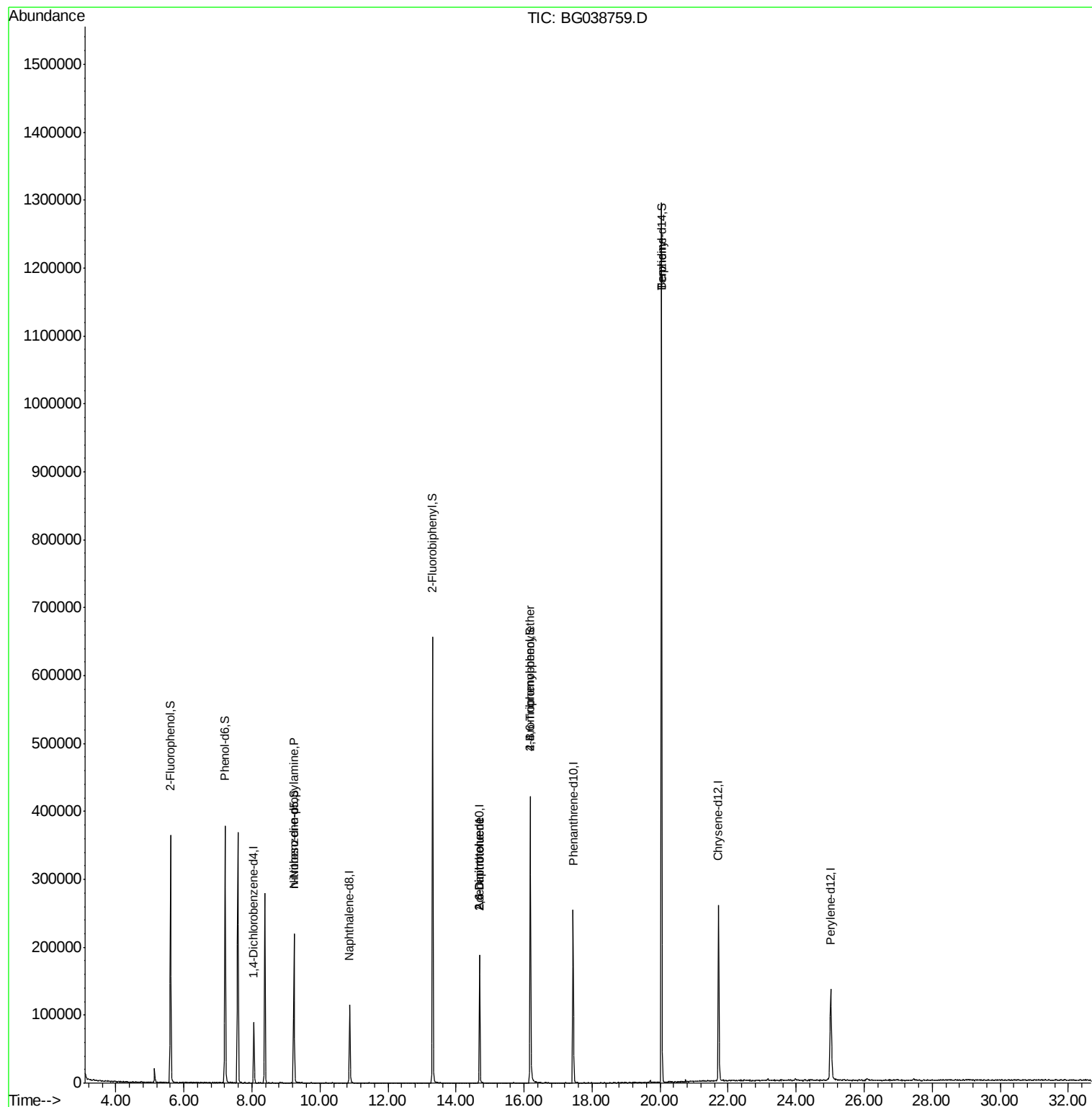
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	25428	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102462	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	70350	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	173055	20.00	ng	0.00
76) Chrysene-d12	21.71	240	179522	20.00	ng	-0.01
87) Perylene-d12	25.01	264	187665	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	161466	112.63	ng	0.00
7) Phenol-d6	7.21	99	219404	111.48	ng	0.00
23) Nitrobenzene-d5	9.23	82	133580	66.60	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	99078	102.19	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	353804	68.99	ng	0.00
79) Terphenyl-d14	20.04	244	654217	79.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	18675	13.510	ng	# 61
51) 2,6-Dinitrotoluene	14.69	165	9293	7.138	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9293	5.068	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	6647	3.145	ng	# 1
77) Benzidine	20.04	184	10756	2.026	ng	# 94

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

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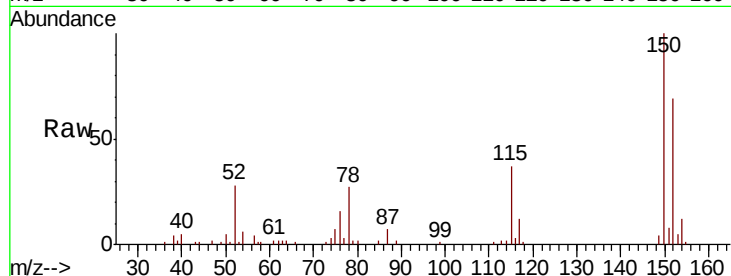




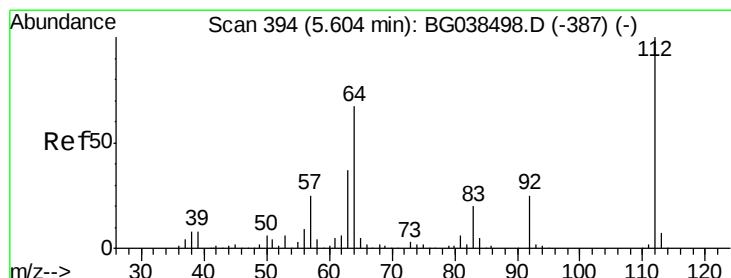
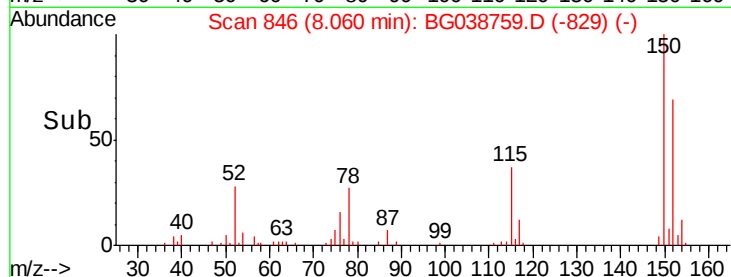
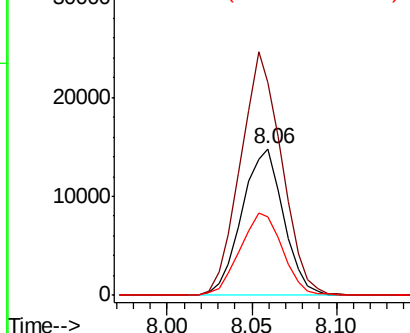
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 25428
 Ion Ratio Lower Upper
 152 100
 150 145.4 119.5 179.3
 115 53.4 49.6 74.4

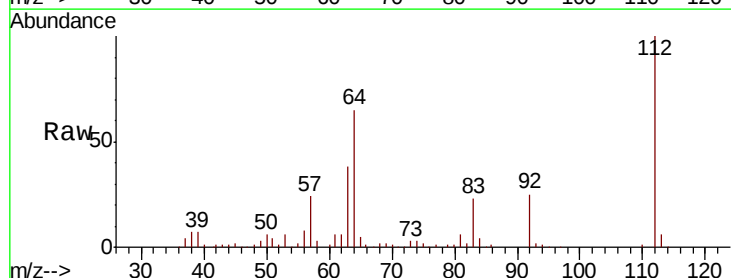


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

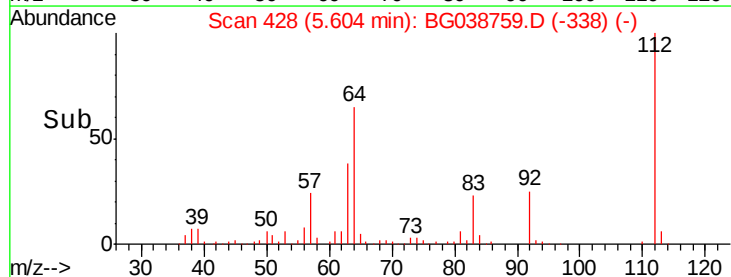
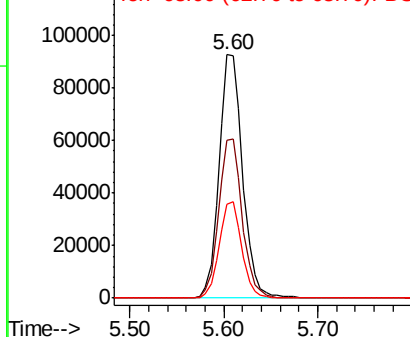


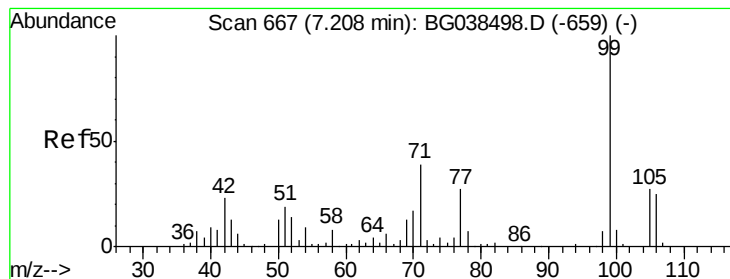
#5
 2-Fluorophenol
 Concen: 112.626 ng
 RT: 5.60 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

Tgt Ion:112 Resp: 161466
 Ion Ratio Lower Upper
 112 100
 64 64.8 53.4 80.2
 63 38.4 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: 111.479 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

Instrument :

BNA_F

ClientSampleId :

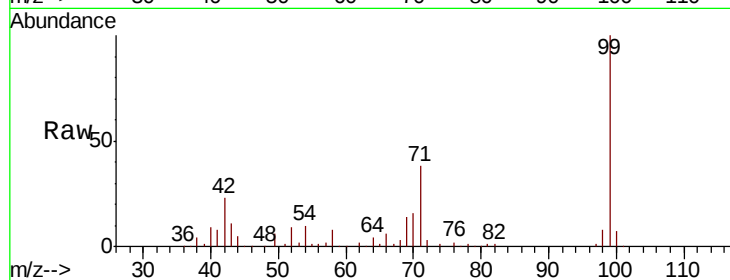
Tot Ion: 99 Resp: 219404

Ion Ratio Lower Upper

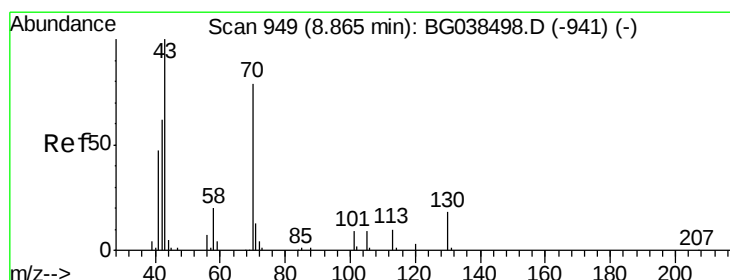
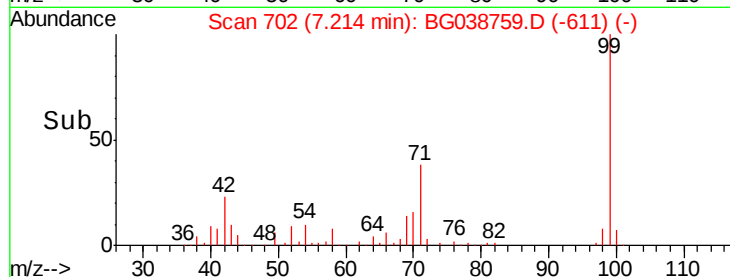
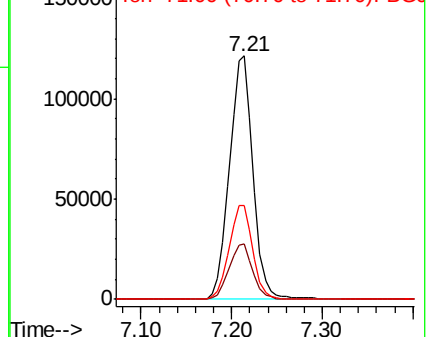
99 100

42 22.6 18.5 27.7

71 38.5 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: 13.510 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

Tgt Ion: 70 Resp: 18675

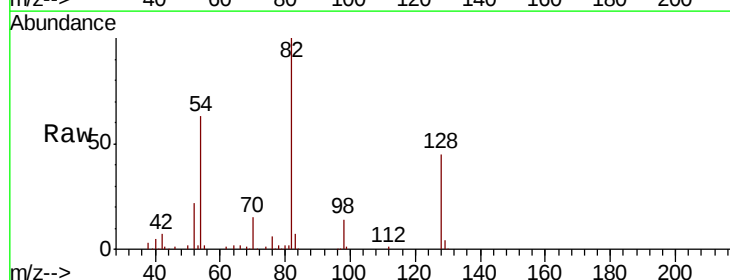
Ion Ratio Lower Upper

70 100

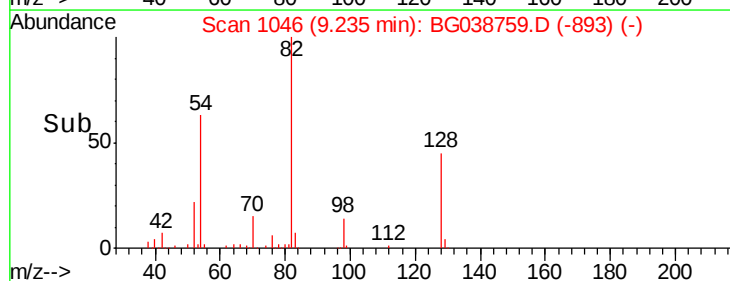
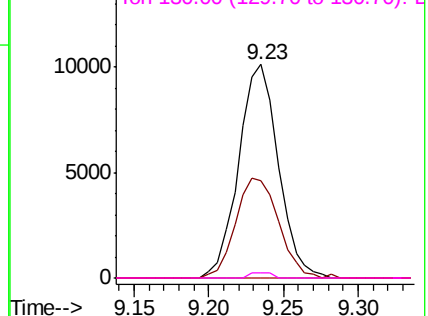
42 45.4 63.6 95.4#

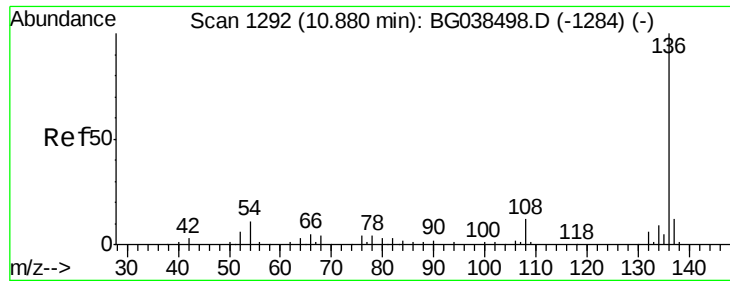
101 0.0 9.2 13.8#

130 2.6 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

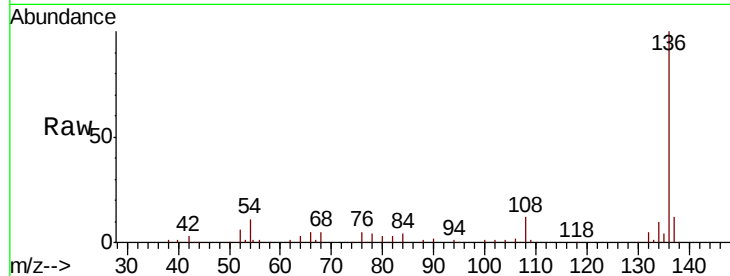




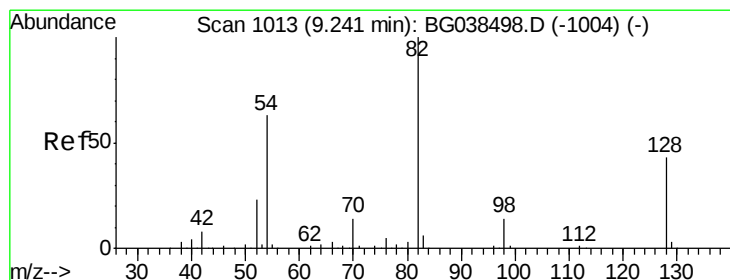
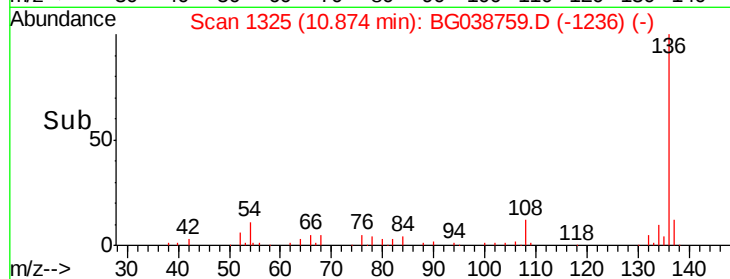
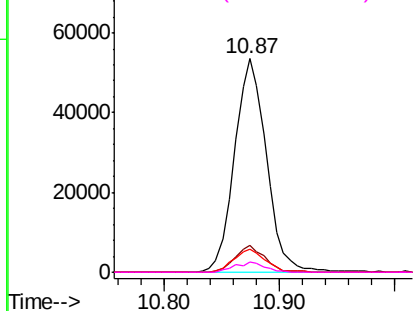
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038759.D
Acq: 20 Dec 2018 12:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	102462
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.3 13.9
54	11.4	8.5 12.7
68	4.6	3.5 5.3

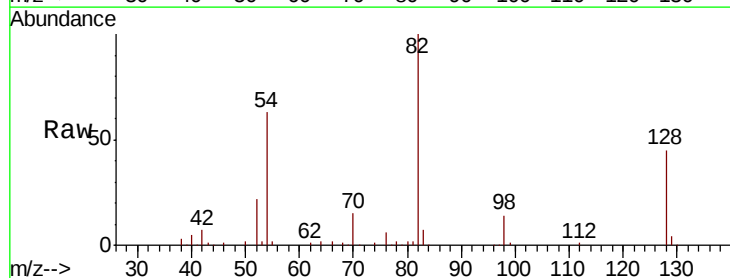


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

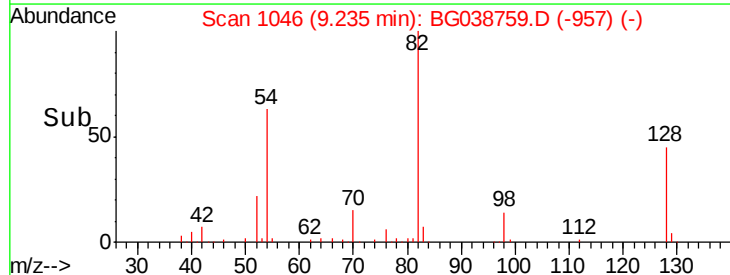
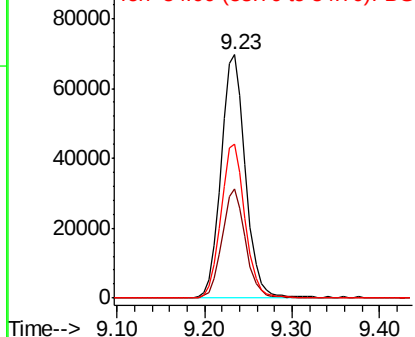


#23
Nitrobenzene-d5
Concen: 66.602 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038759.D
Acq: 20 Dec 2018 12:13

Tgt Ion: 82	Resp:	133580
Ion Ratio	Lower	Upper
82	100	
128	44.8	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): E
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: BG038759.D

Acq: 20 Dec 2018 12:13

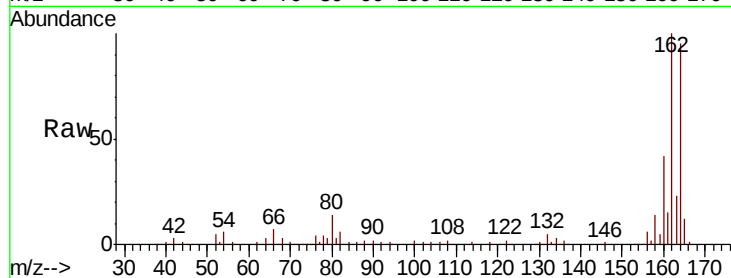
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 70350

Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.6	130.0
160	44.0	34.2	51.2

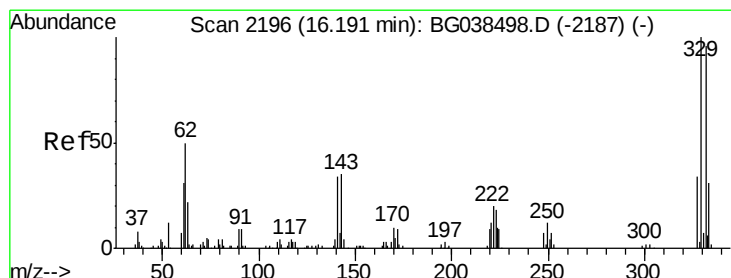
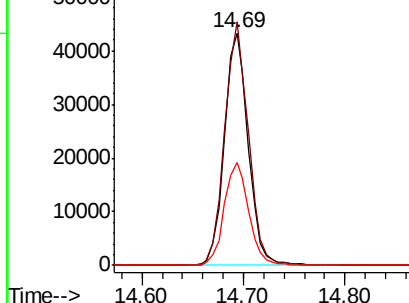
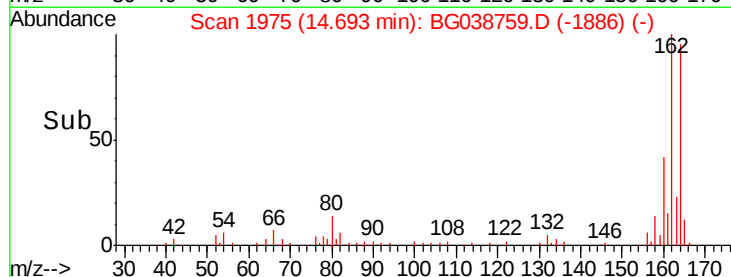


Abundance

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: 102.190 ng

RT: 16.19 min Scan# 2229

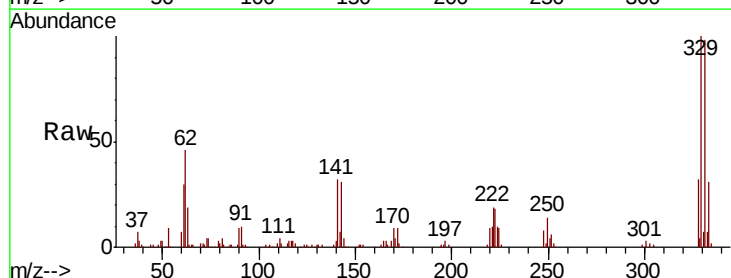
Delta R.T. -0.01 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

Tgt Ion:330 Resp: 99078

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	33.8	28.8	43.2

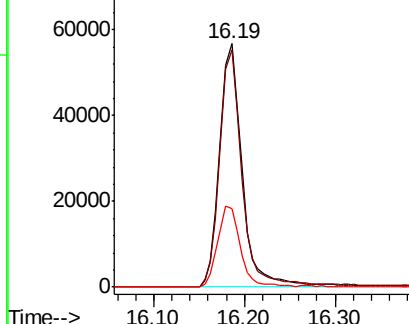
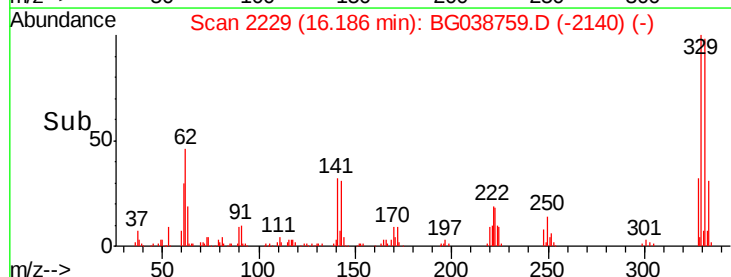


Abundance

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

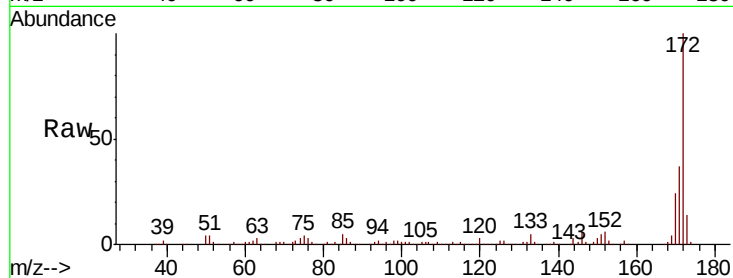




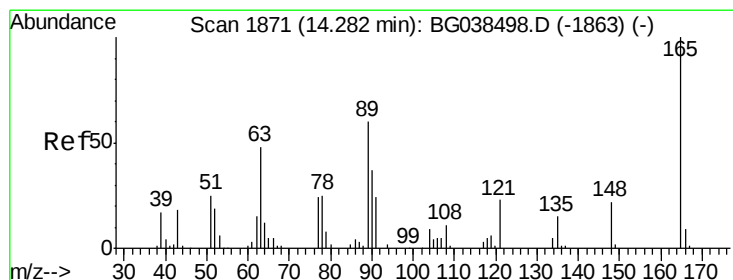
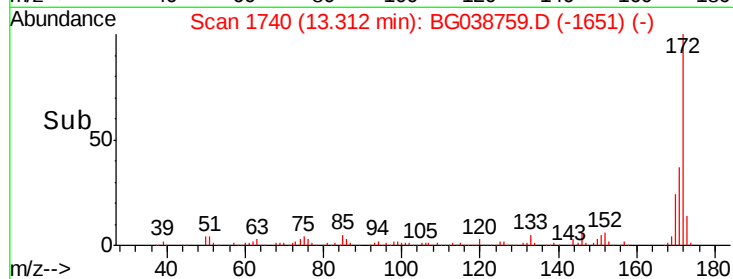
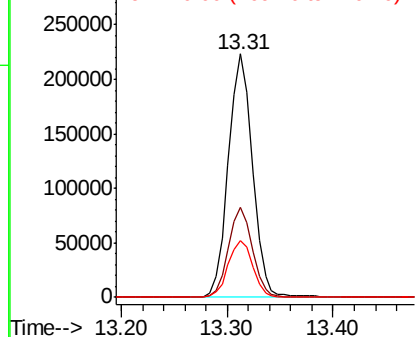
#45
 2-Fluorobiphenyl
 Concen: 68.993 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	23.5	19.5	29.3

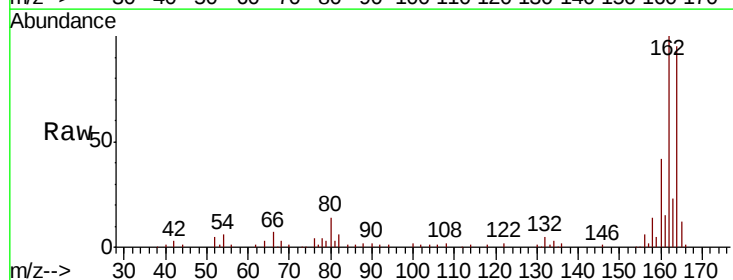


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

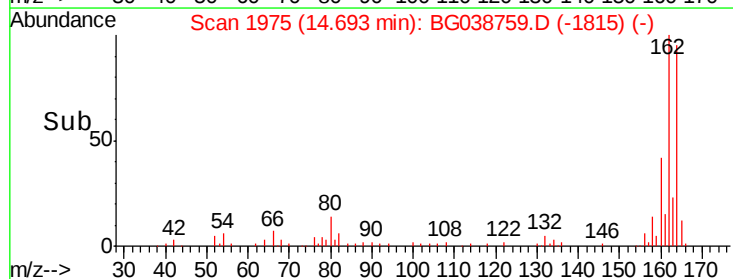
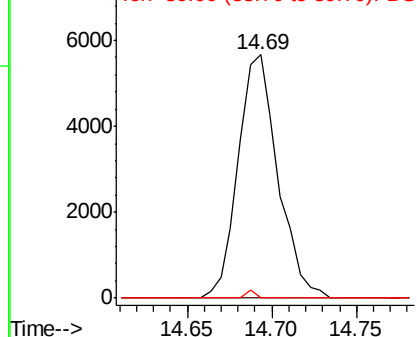


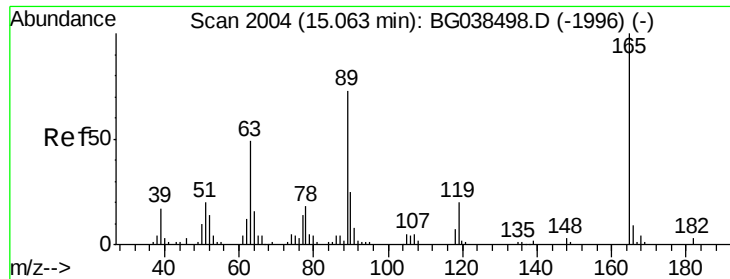
#51
 2,6-Dinitrotoluene
 Concen: 7.138 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

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): BG
 Ion 89.00 (88.70 to 89.70): BG

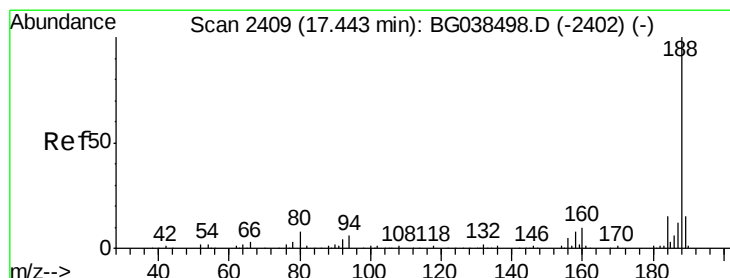
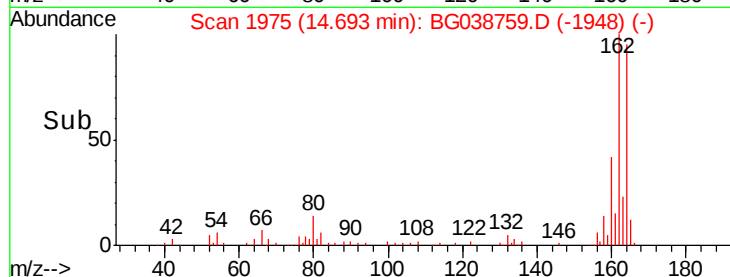
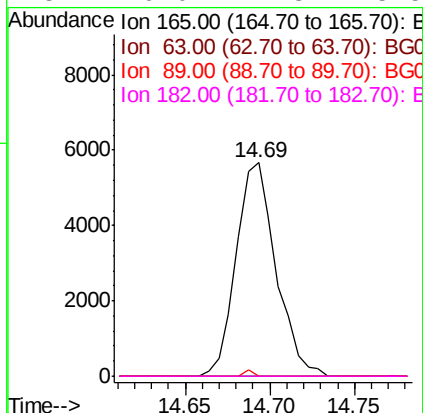
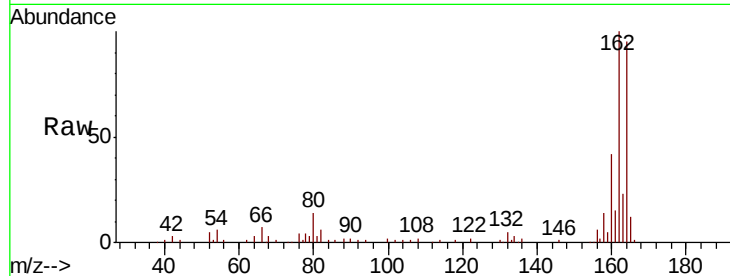




#57
 2,4-Dinitrotoluene
 Concen: 5.068 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

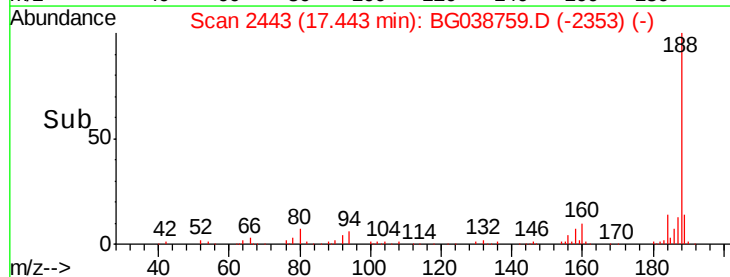
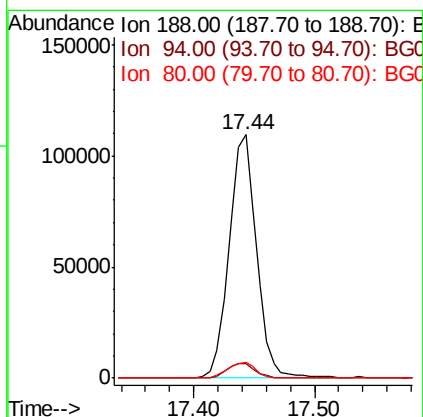
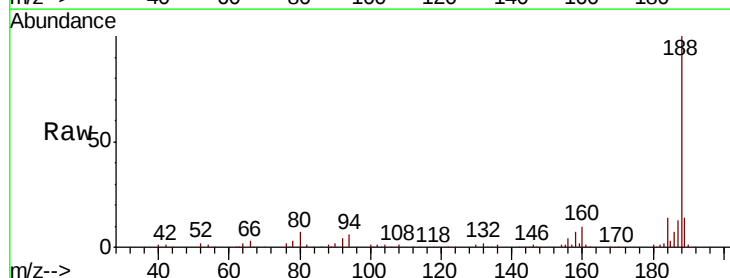
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 9293
 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#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

Tgt Ion:188 Resp: 173055
 Ion Ratio Lower Upper
 188 100
 94 6.1 5.1 7.7
 80 6.7 6.1 9.1





#67

4-Bromophenyl-phenylether

Concen: 3.145 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

Instrument :

BNA_F

ClientSampled :

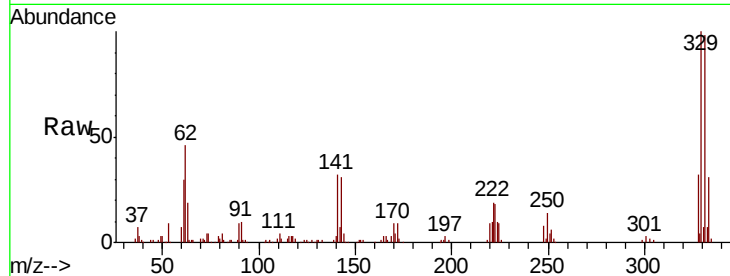
Tot Ion:248 Resp: 6647

Ion Ratio Lower Upper

248 100

250 194.4 73.4 110.2#

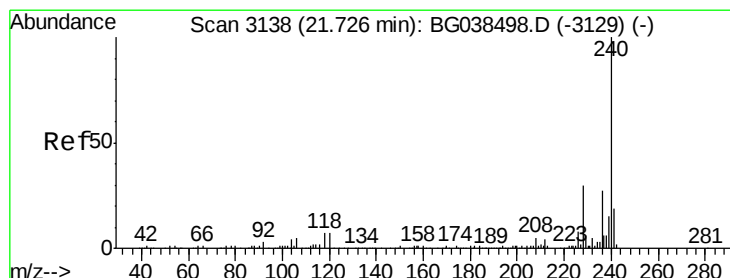
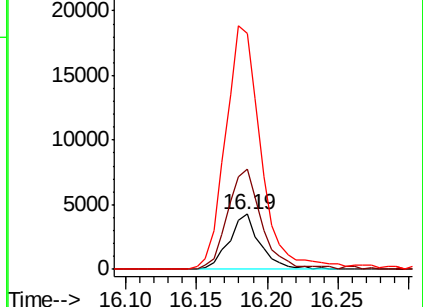
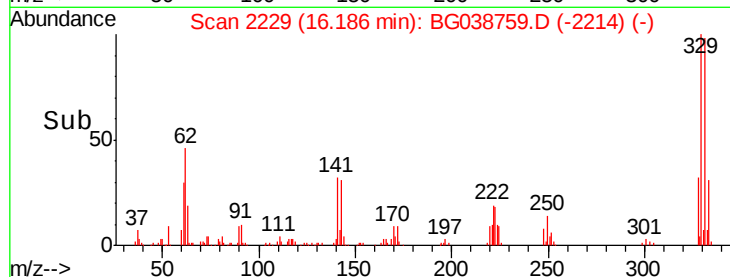
141 353.6 52.9 79.3#



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: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

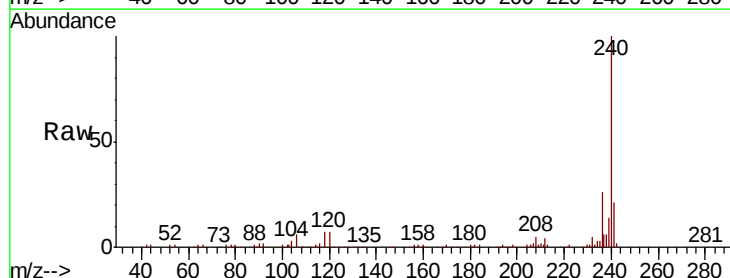
Tgt Ion:240 Resp: 179522

Ion Ratio Lower Upper

240 100

120 6.7 5.3 7.9

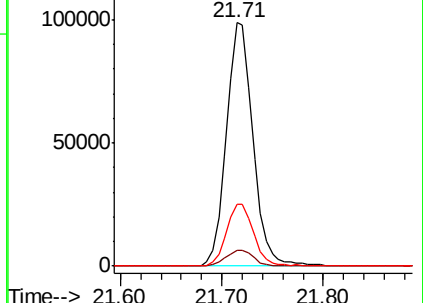
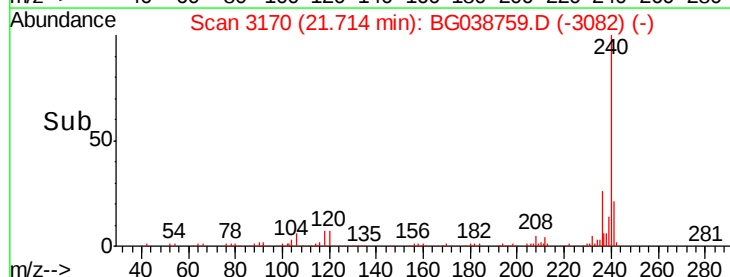
236 25.5 21.4 32.2

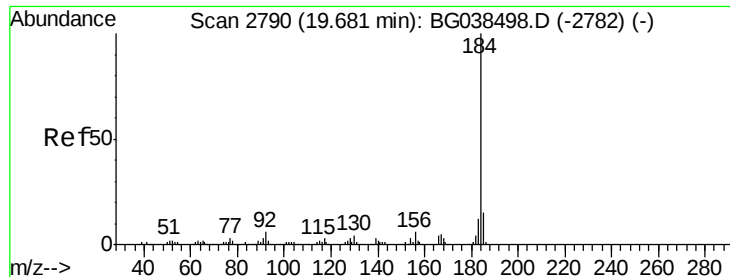


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.026 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

Instrument :

BNA_F

ClientSampleId :

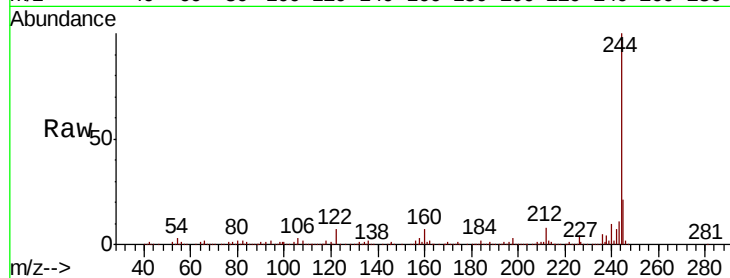
Tot Ion:184 Resp: 10756

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

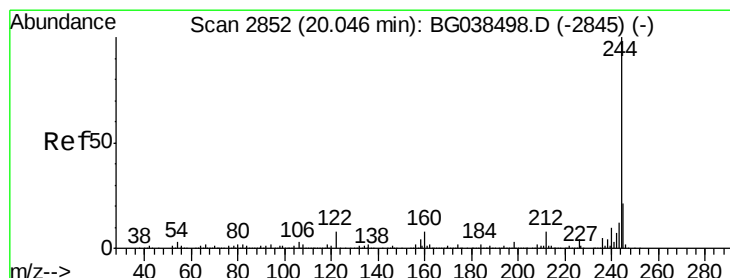
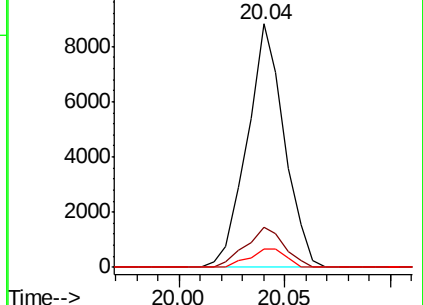
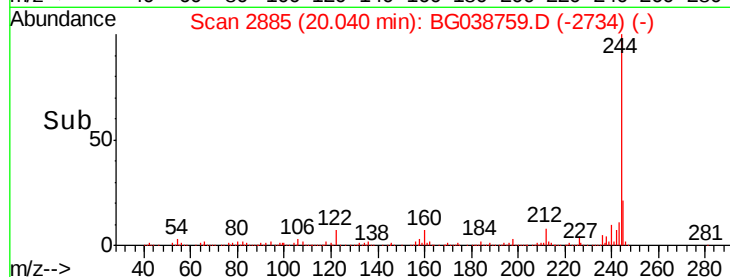
183 7.8 9.6 14.4#



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: 79.310 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038759.D

Acq: 20 Dec 2018 12:13

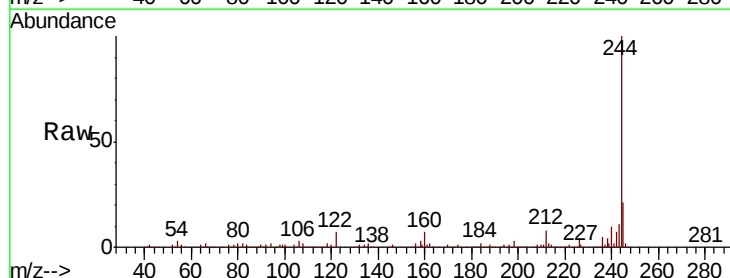
Tgt Ion:244 Resp: 654217

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

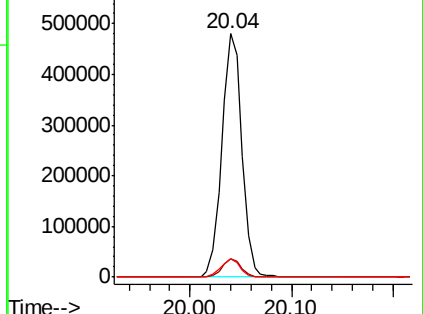
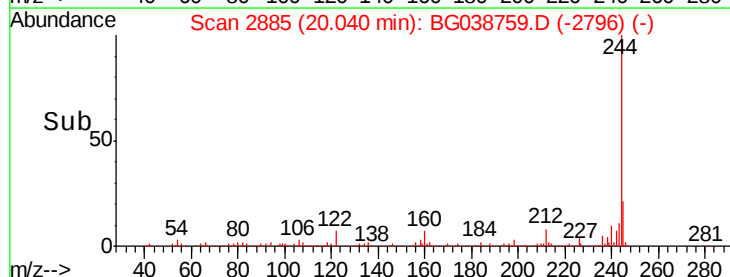
122 7.4 6.3 9.5

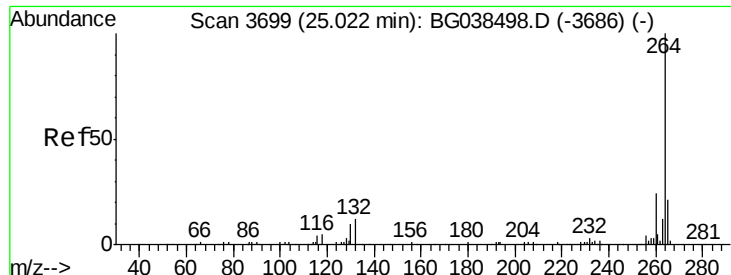


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

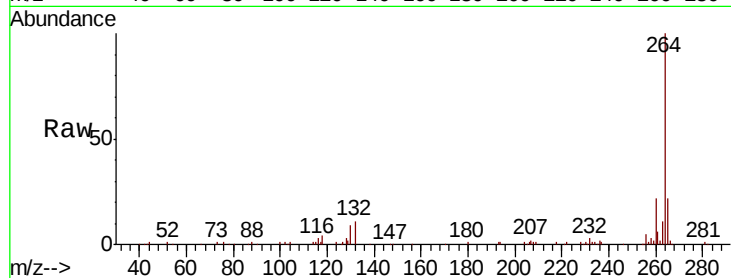




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038759.D
 Acq: 20 Dec 2018 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	187665
Ion	Ratio	Lower	Upper
264	100		
260	21.8	18.9	28.3
265	22.4	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

