

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
 Data File : BG038359.D
 Acq On : 5 Dec 2018 14:20
 Operator : JU/SJ
 Sample : J6159-04RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 05 15:15:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

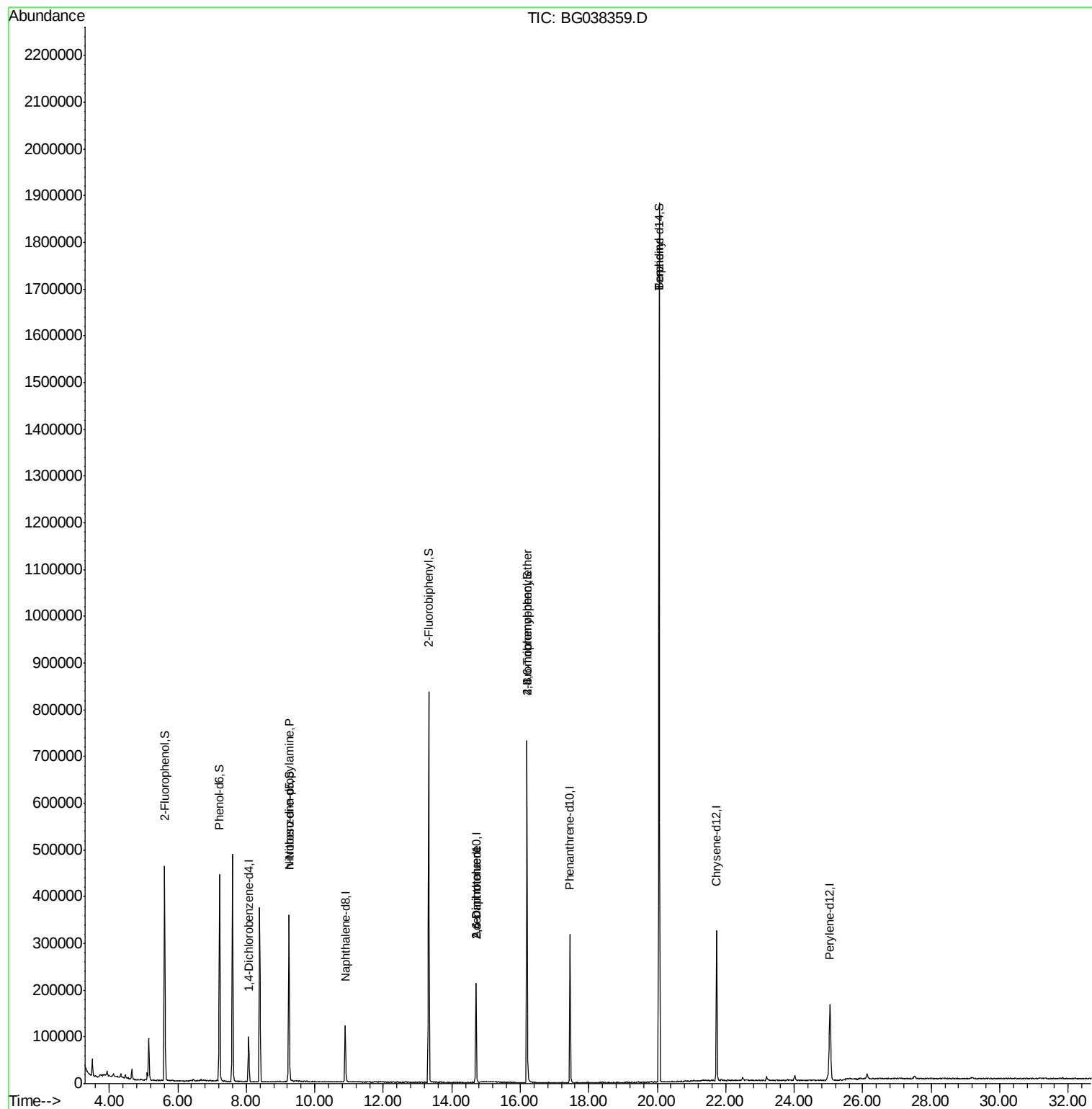
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	27067	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	113562	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	77510	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	196553	20.00	ng	0.00
76) Chrysene-d12	21.73	240	193924	20.00	ng	-0.01
87) Perylene-d12	25.04	264	200025	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	205898	134.62	ng	0.00
7) Phenol-d6	7.22	99	263196	119.06	ng	0.00
23) Nitrobenzene-d5	9.25	82	226746	99.13	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	142800	150.07	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	464111	85.32	ng	0.00
79) Terphenyl-d14	20.06	244	892791	98.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	28955	16.694	ng	# 73
51) 2,6-Dinitrotoluene	14.70	165	10085	7.101	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	10085	5.149	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	9467	4.460	ng	# 1
77) Benzidine	20.06	184	15364	2.348	ng	# 93

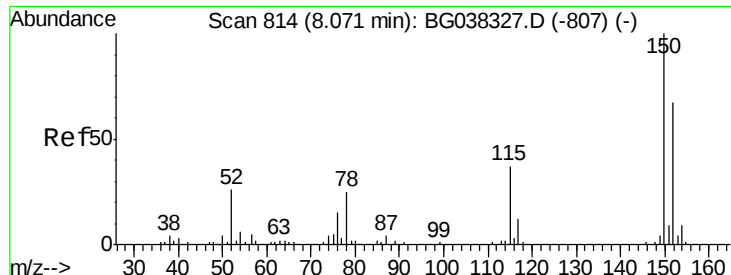
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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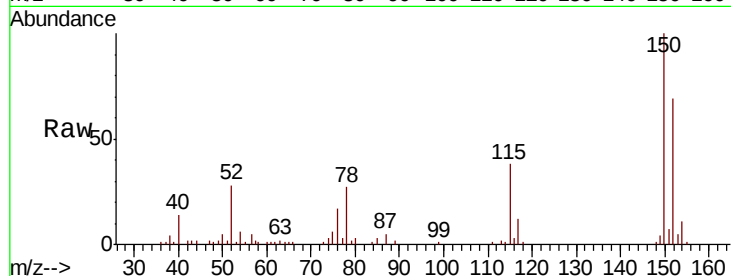




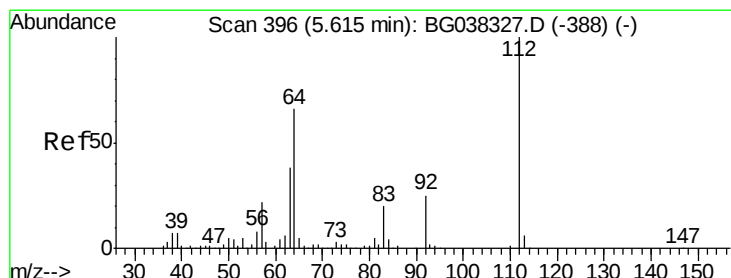
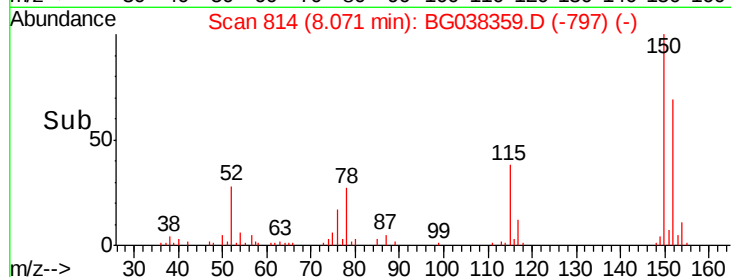
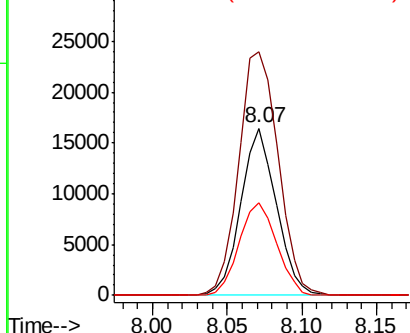
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 27067
 Ion Ratio Lower Upper
 152 100
 150 145.9 126.0 189.0
 115 55.5 45.5 68.3

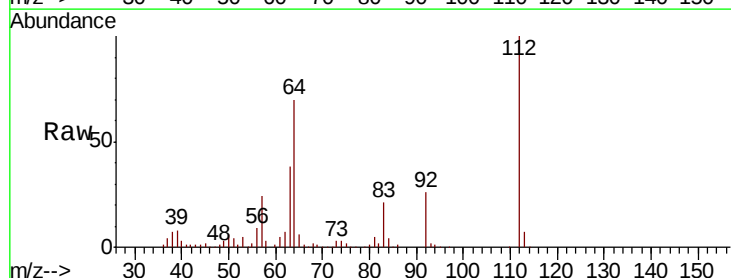


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

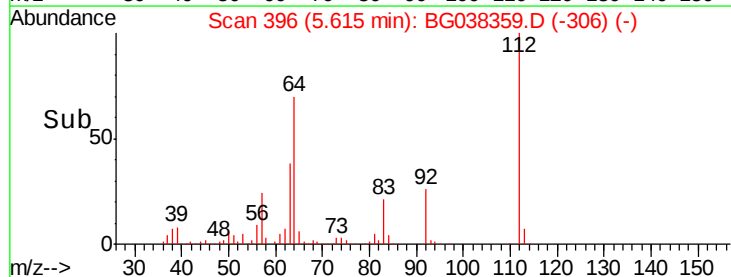
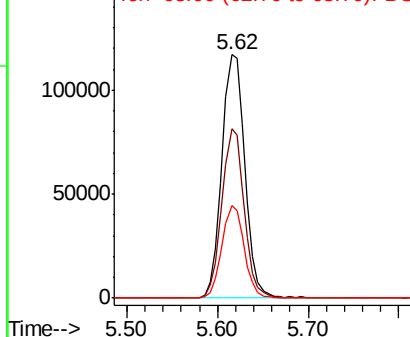


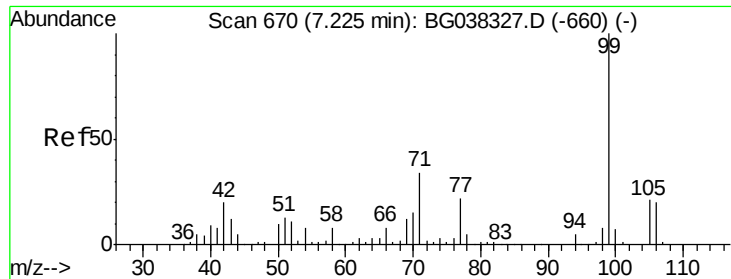
#5
 2-Fluorophenol
 Concen: 134.616 ng
 RT: 5.62 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

Tgt Ion:112 Resp: 205898
 Ion Ratio Lower Upper
 112 100
 64 69.5 53.1 79.7
 63 37.9 27.3 40.9



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: 119.057 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

Instrument :

BNA_G

ClientSampleId :

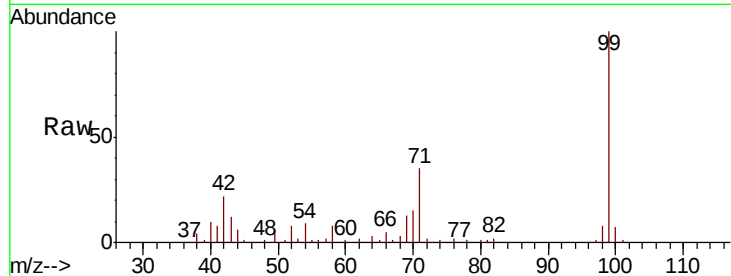
Tot Ion: 99 Resp: 263196

Ion Ratio Lower Upper

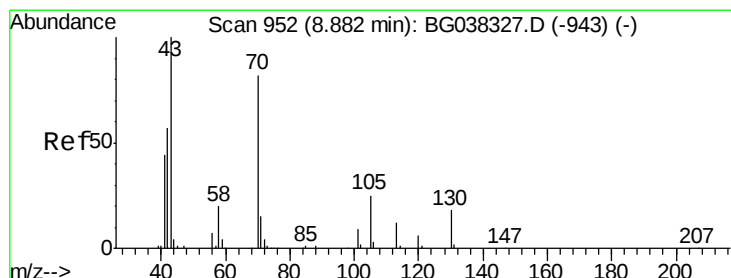
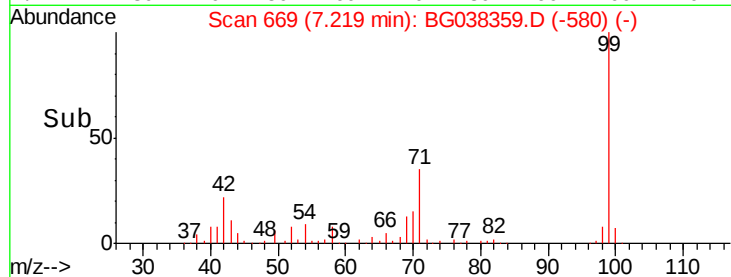
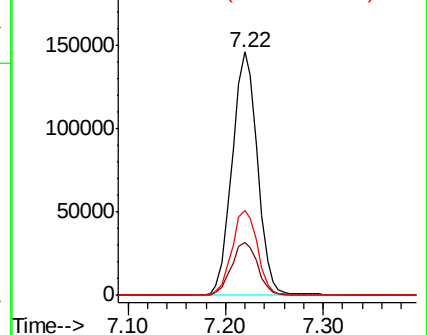
99 100

42 22.0 15.0 22.4

71 34.6 25.5 38.3



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: 16.694 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.37 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

Tgt Ion: 70 Resp: 28955

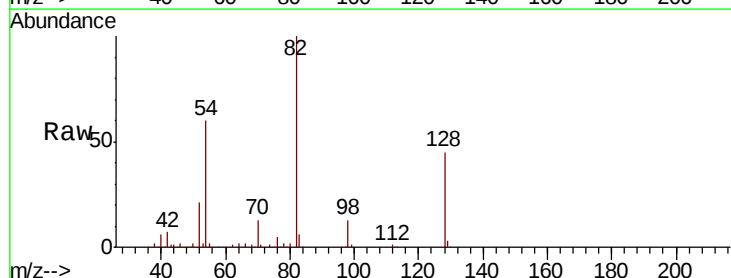
Ion Ratio Lower Upper

70 100

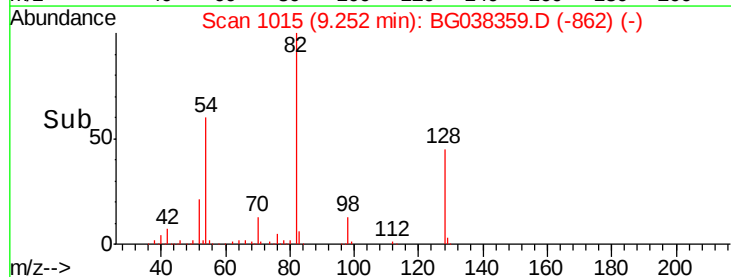
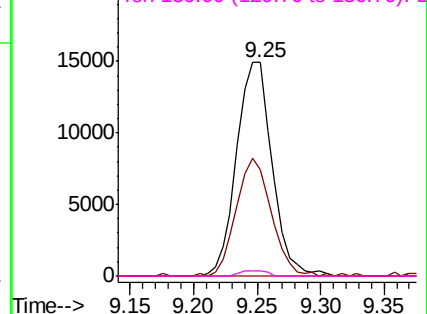
42 49.6 53.9 80.9#

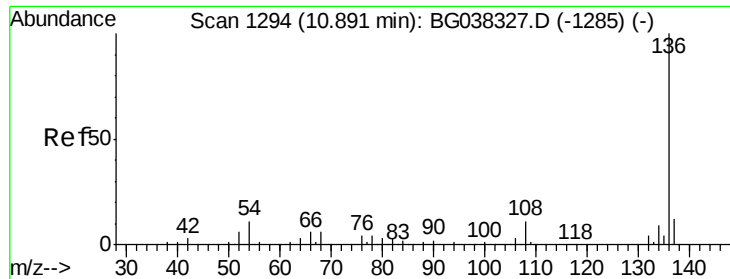
101 0.0 8.2 12.2#

130 2.6 18.2 27.4#



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

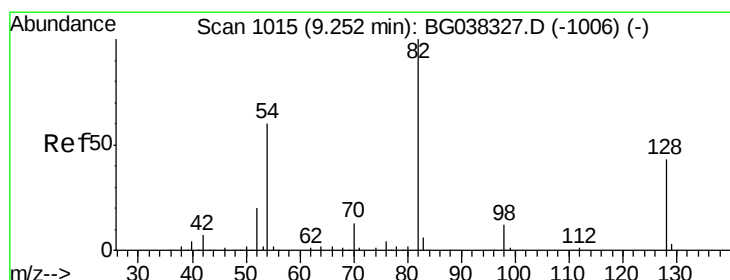
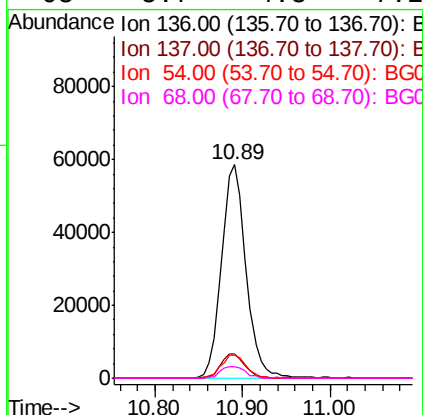
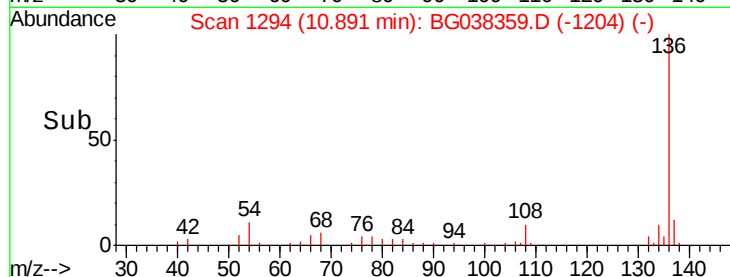
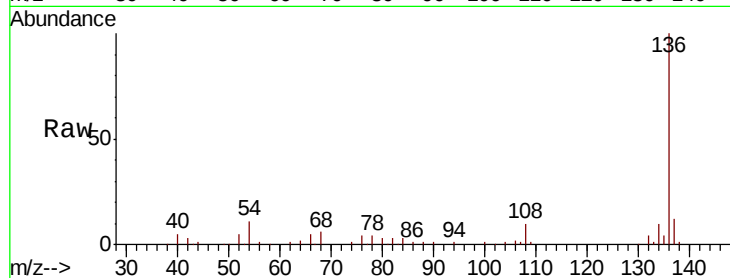




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BG038359.D
Acq: 5 Dec 2018 14:20

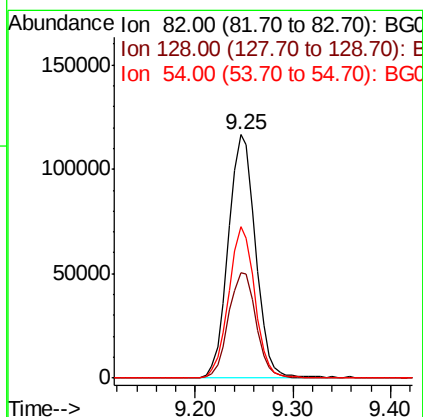
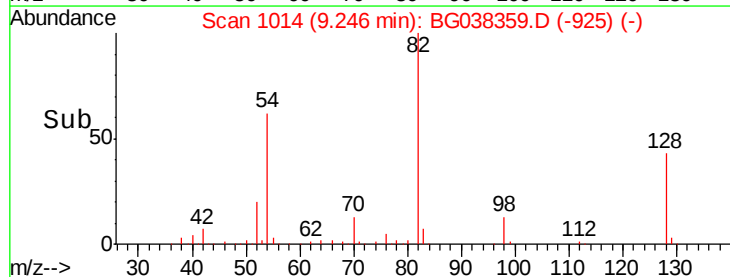
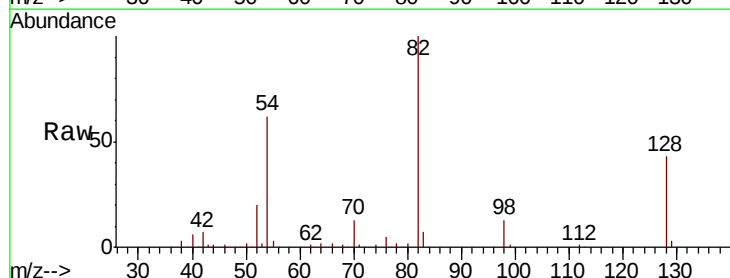
Instrument :
BNA_G
ClientSampleId :

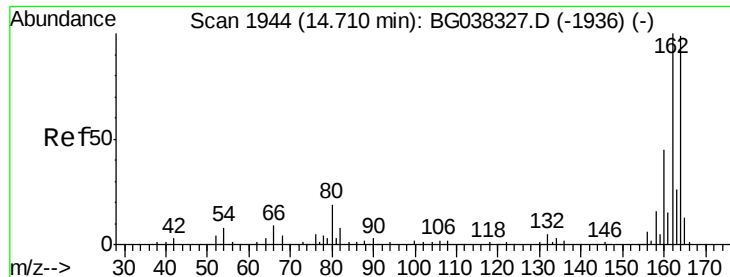
Tot Ion:136	Resp:	113562
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.6 14.4
54	10.8	7.9 11.9
68	5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 99.130 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038359.D
Acq: 5 Dec 2018 14:20

Tgt Ion: 82	Resp:	226746
Ion	Ratio	Lower Upper
82	100	
128	43.4	34.6 51.8
54	62.2	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

Instrument :

BNA_G

ClientSampleId :

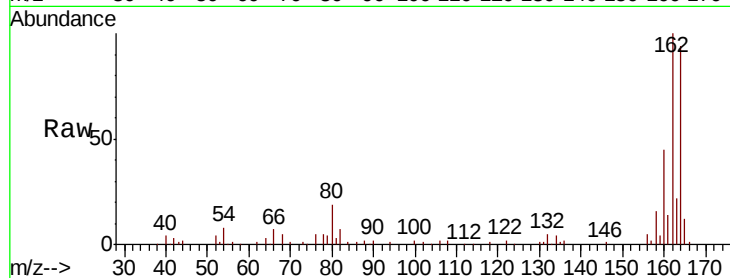
Tot Ion:164 Resp: 77510

Ion Ratio Lower Upper

164 100

162 106.0 81.3 121.9

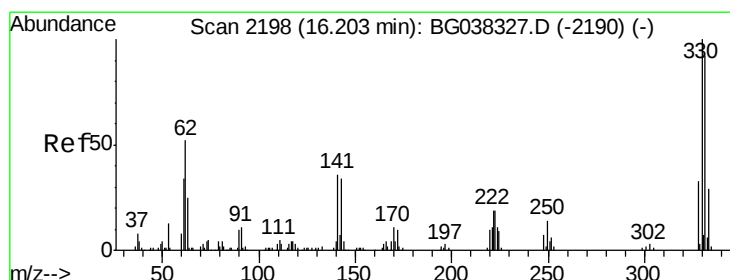
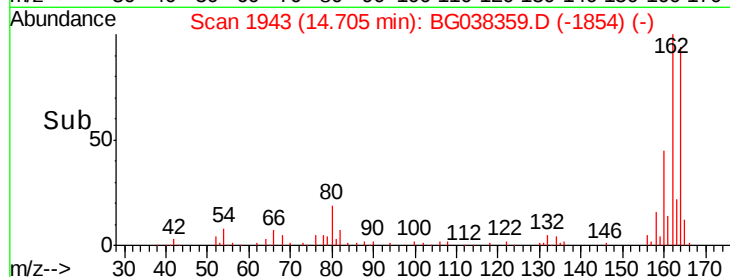
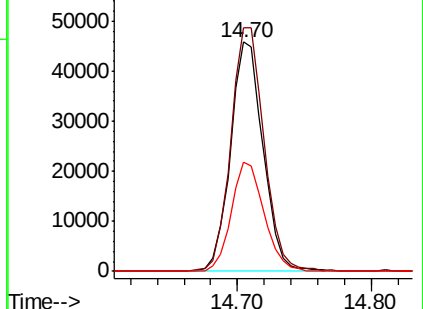
160 47.3 36.3 54.5



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: 150.074 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

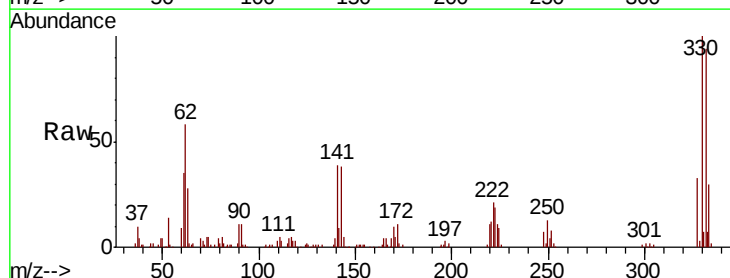
Tgt Ion:330 Resp: 142800

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

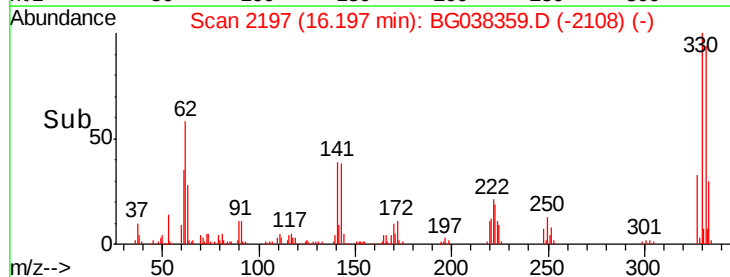
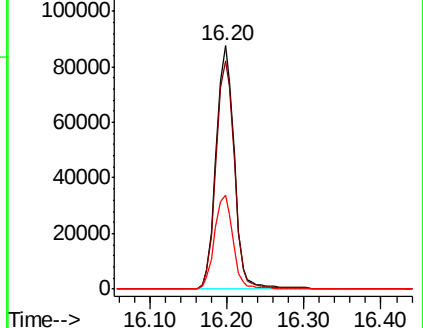
141 38.8 32.2 48.2

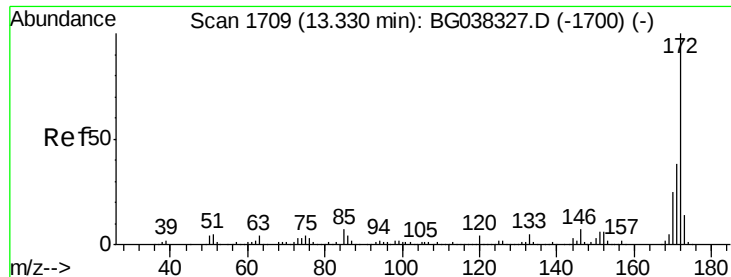


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

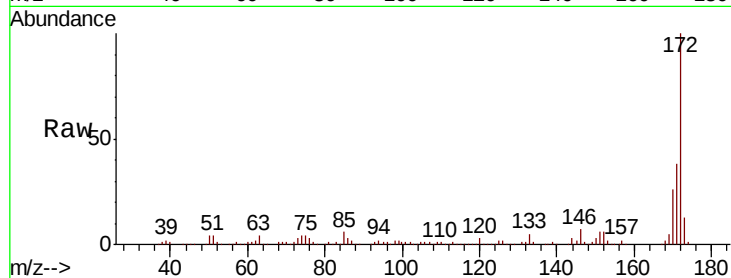




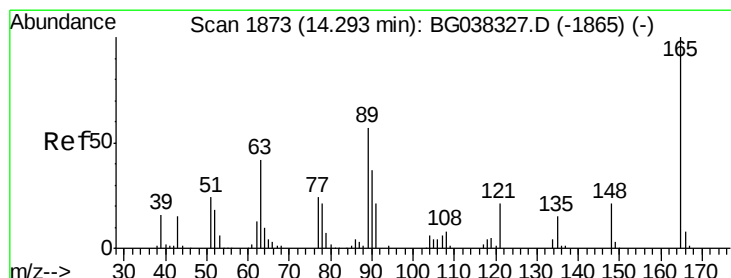
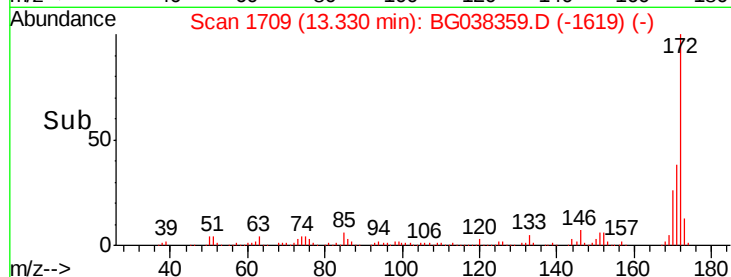
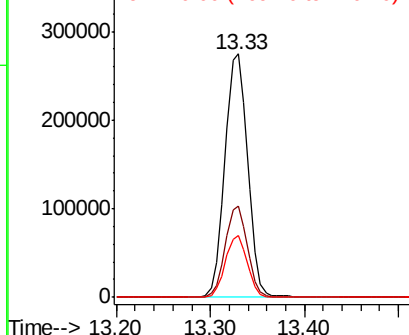
#45
 2-Fluorobiphenyl
 Concen: 85.320 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 464111
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.0 46.4
 170 25.6 20.2 30.2

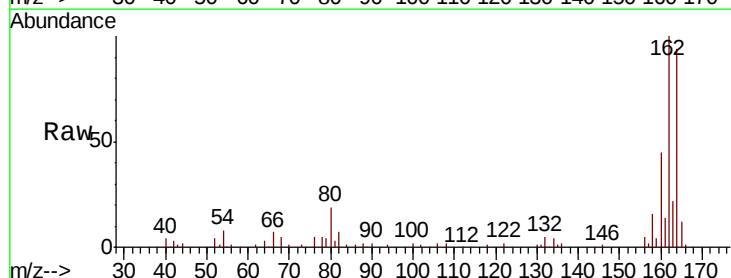


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

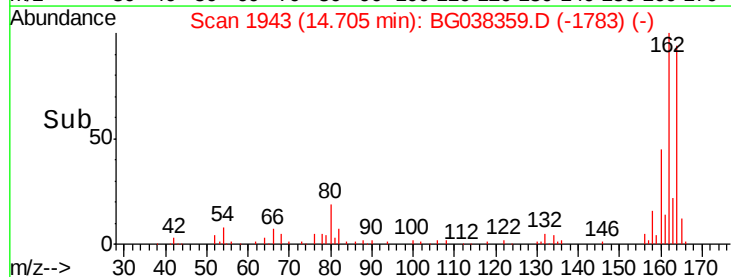
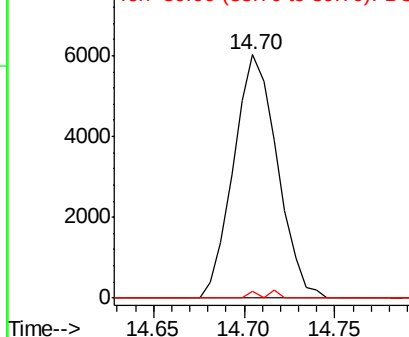


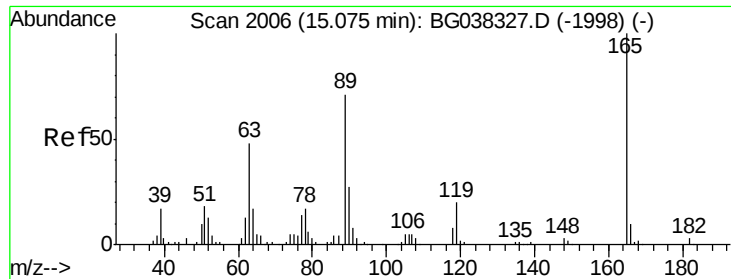
#51
 2,6-Dinitrotoluene
 Concen: 7.101 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

Tgt Ion:165 Resp: 10085
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 2.7 45.8 68.6#



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

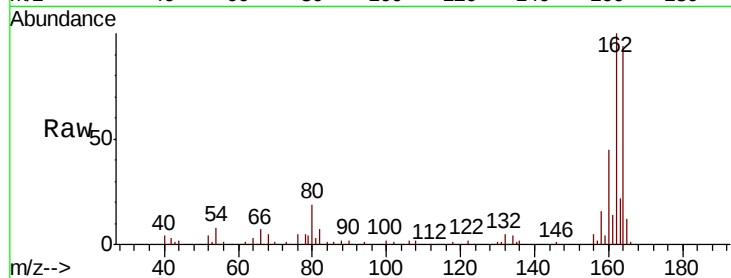




#57
 2,4-Dinitrotoluene
 Concen: 5.149 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.7	57.2	85.8#
182	0.0	2.6	4.0#

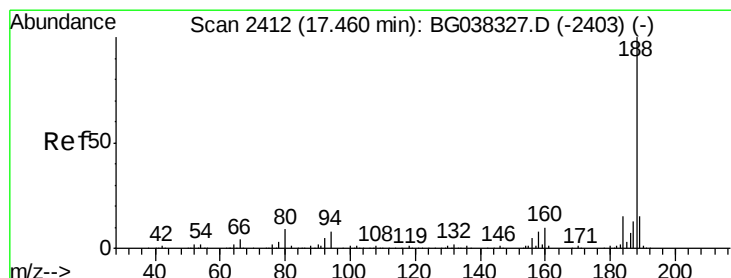
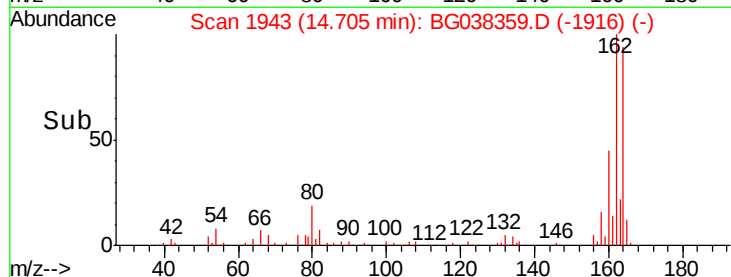
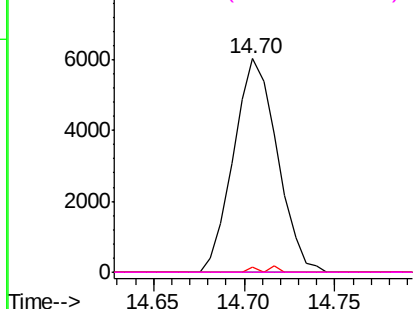


Abundance Ion 165.00 (164.70 to 165.70): E

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



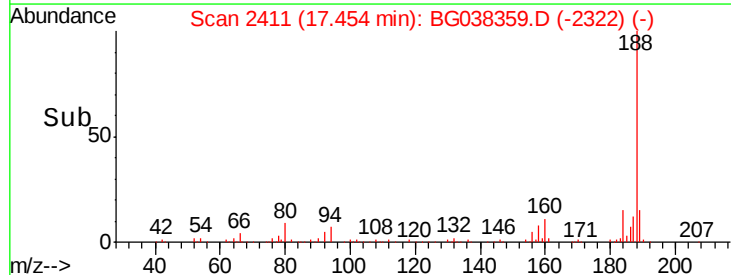
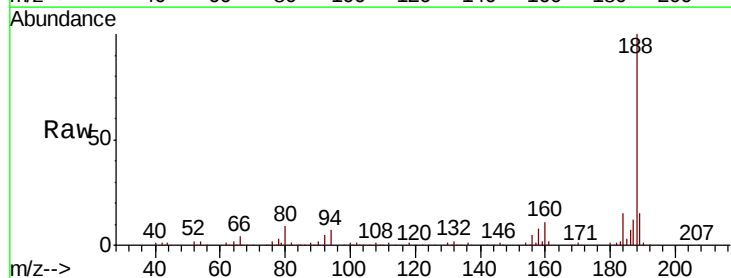
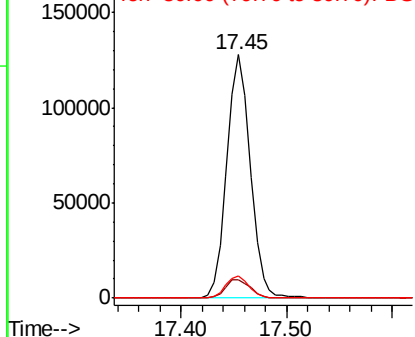
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038359.D
 Acq: 5 Dec 2018 14:20

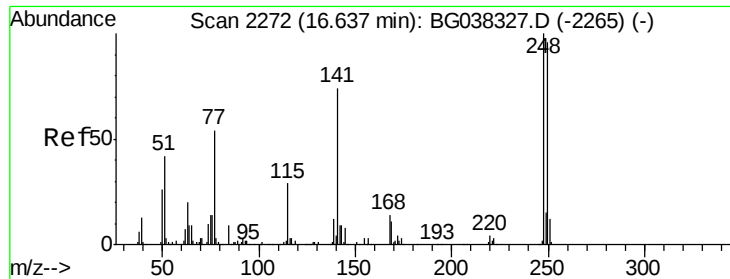
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	7.2	10.8
80	9.0	7.7	11.5

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: 4.460 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.44 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

Instrument :

BNA_G

ClientSampled :

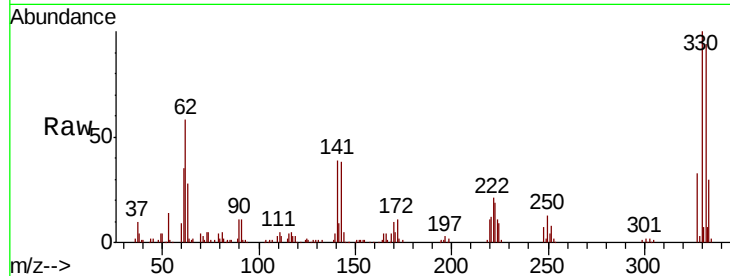
Tot Ion:248 Resp: 9467

Ion Ratio Lower Upper

248 100

250 190.2 77.0 115.6#

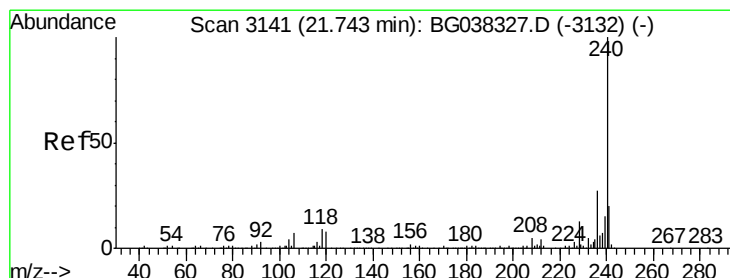
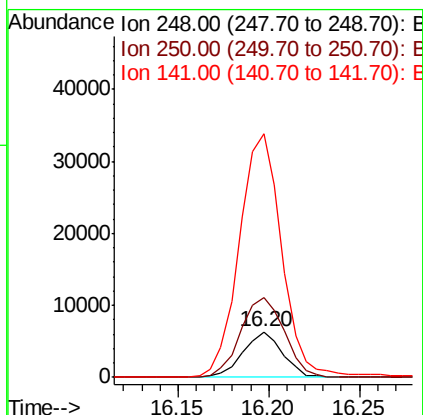
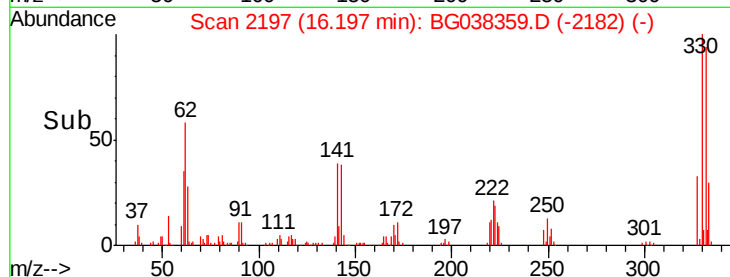
141 435.5 55.5 83.3#



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: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

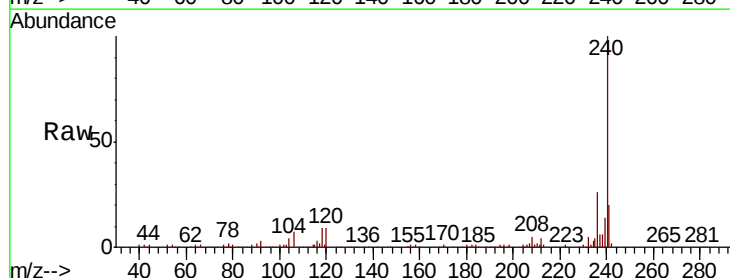
Tgt Ion:240 Resp: 193924

Ion Ratio Lower Upper

240 100

120 9.1 8.1 12.1

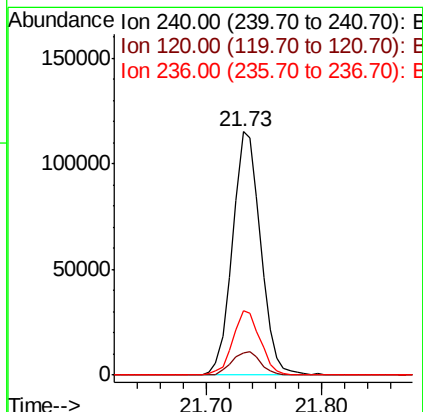
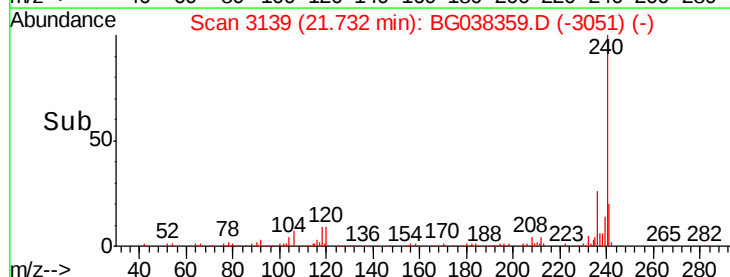
236 26.4 21.4 32.0

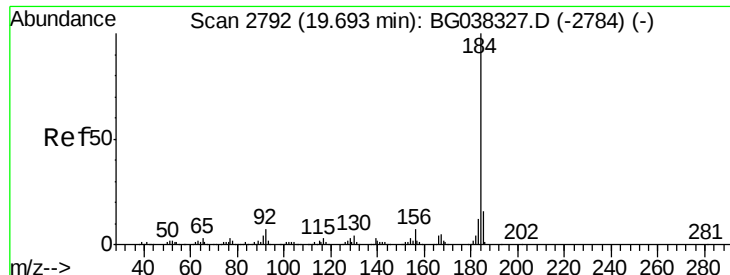


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.348 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.36 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

Instrument :

BNA_G

ClientSampleId :

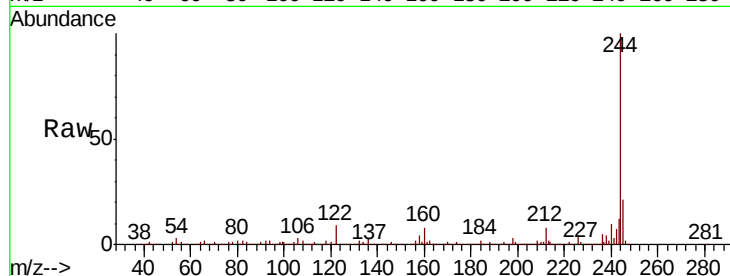
Tot Ion:184 Resp: 15364

Ion Ratio Lower Upper

184 100

185 17.7 12.6 18.8

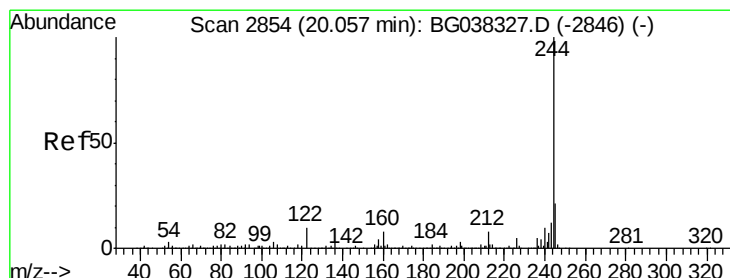
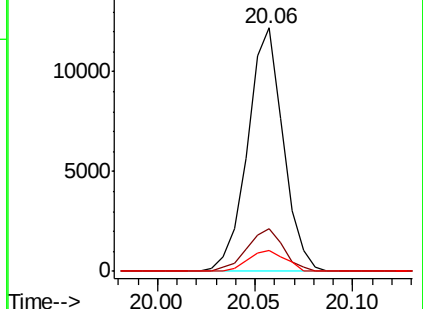
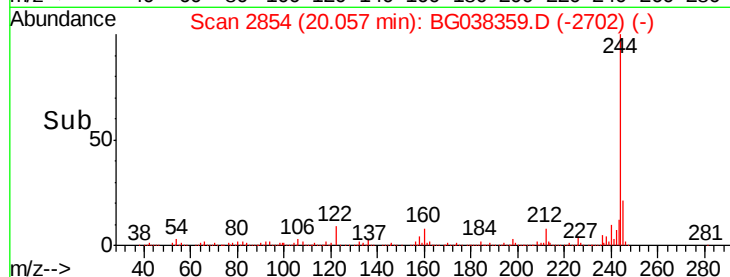
183 8.4 10.2 15.2#



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: 98.626 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038359.D

Acq: 5 Dec 2018 14:20

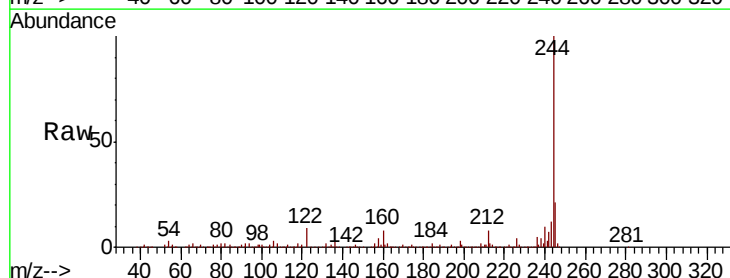
Tgt Ion:244 Resp: 892791

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

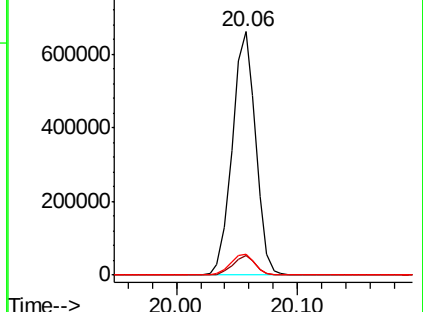
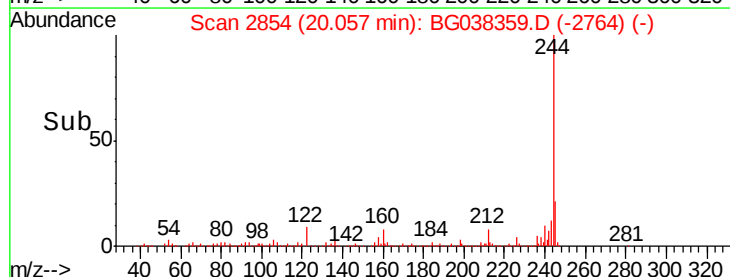
122 8.7 9.0 13.4#

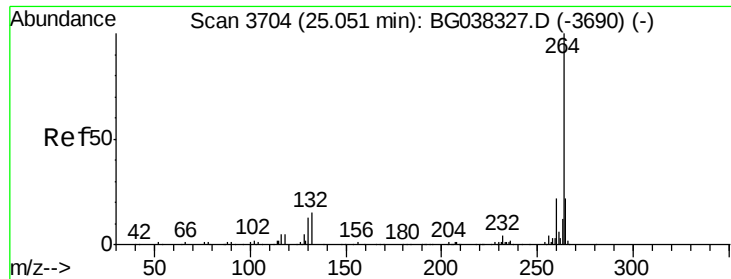


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038359.D
Acq: 5 Dec 2018 14:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.4
265	20.7	17.9	26.9

