

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
 Data File : BG038351.D
 Acq On : 5 Dec 2018 9:05
 Operator : JU/SJ
 Sample : PB115253TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 05 10:13:02 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

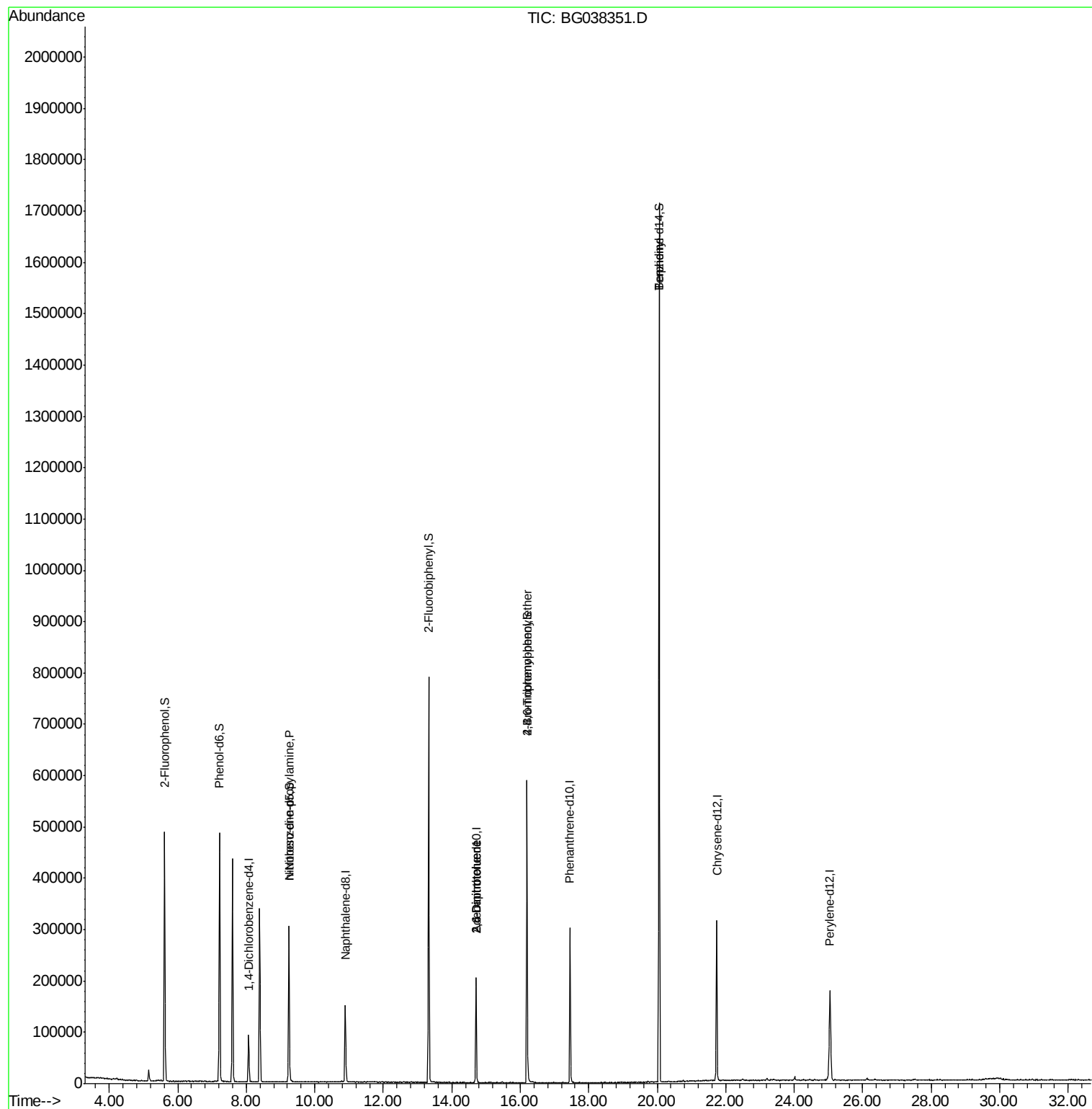
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26352	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	145398	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	75007	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	192497	20.00	ng	0.00
76) Chrysene-d12	21.74	240	202179	20.00	ng	0.00
87) Perylene-d12	25.04	264	204789	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	208688	140.14	ng	0.00
7) Phenol-d6	7.22	99	282548	131.28	ng	0.00
23) Nitrobenzene-d5	9.25	82	193404	66.04	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	114773	124.64	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	417442	79.30	ng	0.00
79) Terphenyl-d14	20.06	244	804630	85.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	24410	14.157	ng	# 78
51) 2,6-Dinitrotoluene	14.70	165	9352	6.805	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9352	4.934	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7962	3.830	ng	# 1
77) Benzidine	20.06	184	14649	2.147	ng	# 94

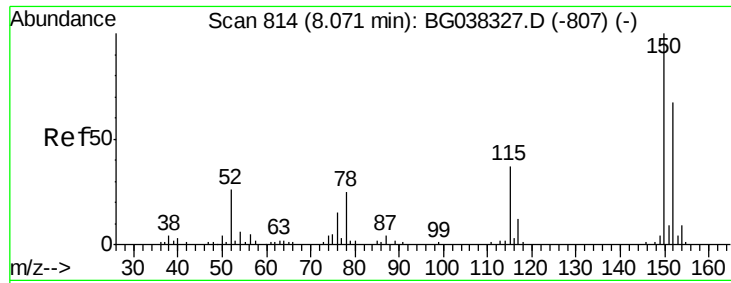
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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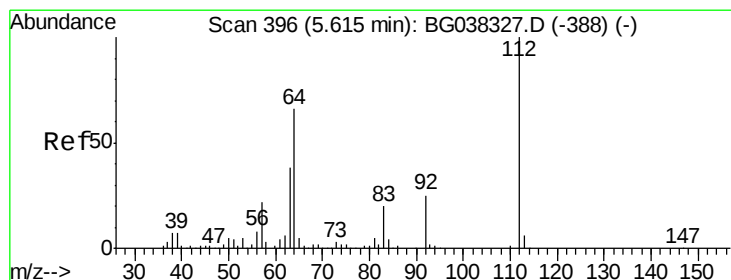
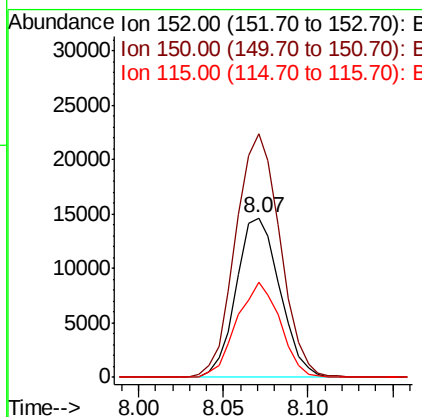
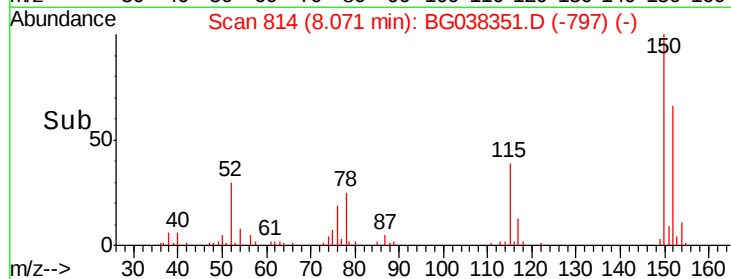
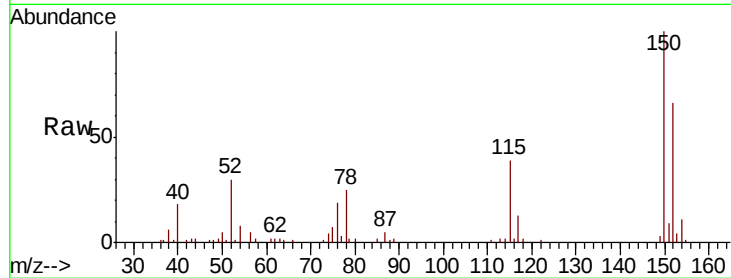




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

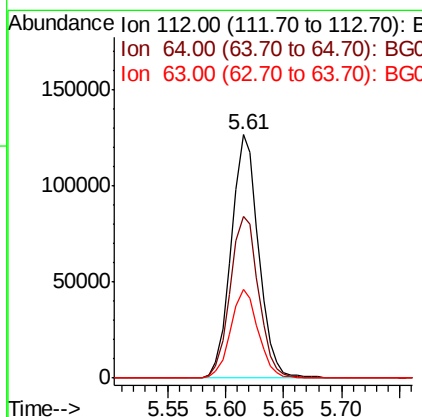
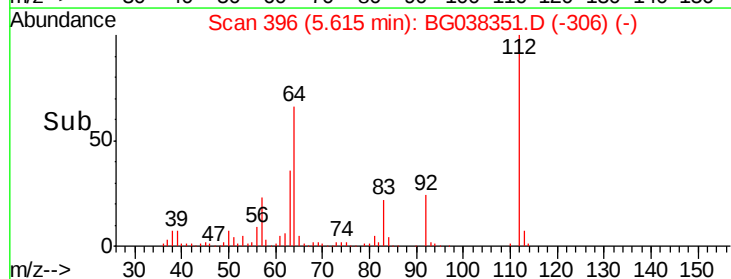
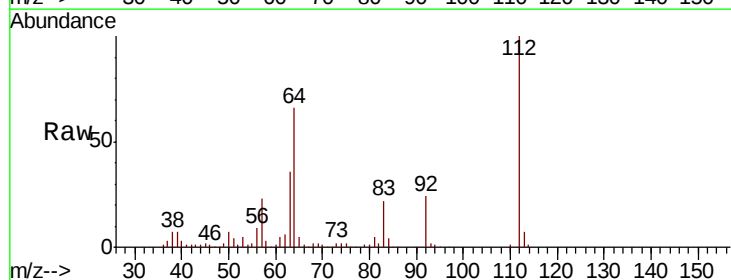
Instrument :
 BNA_G
 ClientSampleId :

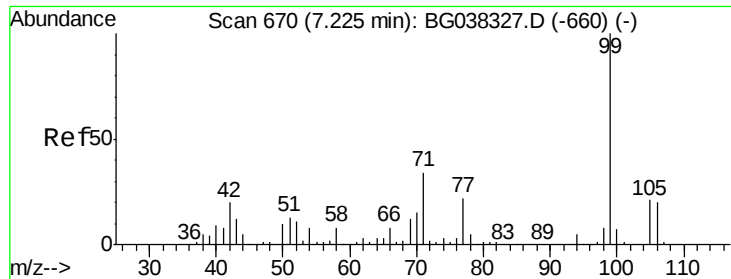
Tot Ion:152 Resp: 26352
 Ion Ratio Lower Upper
 152 100
 150 152.6 126.0 189.0
 115 60.0 45.5 68.3



#5
 2-Fluorophenol
 Concen: 140.142 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Tgt Ion:112 Resp: 208688
 Ion Ratio Lower Upper
 112 100
 64 66.2 53.1 79.7
 63 36.3 27.3 40.9





#7

Phenol-d6

Concen: 131.279 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

Instrument :

BNA_G

ClientSampleId :

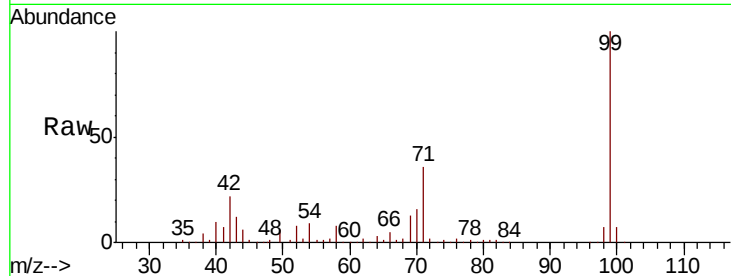
Tot Ion: 99 Resp: 282548

Ion Ratio Lower Upper

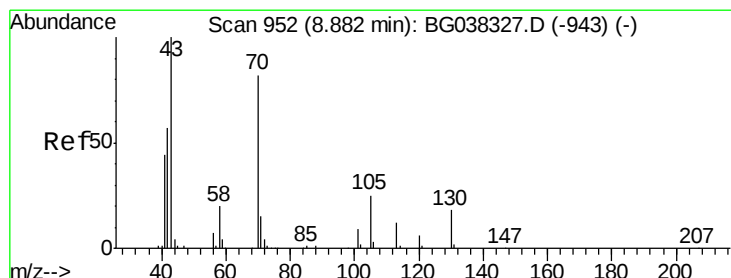
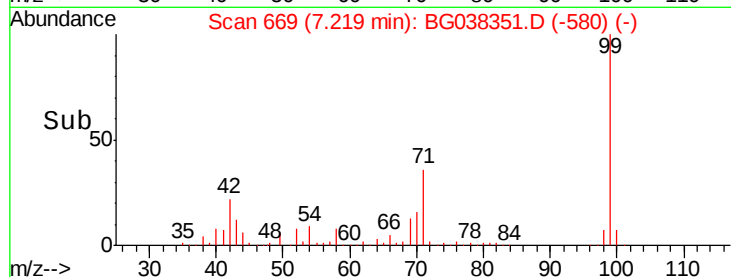
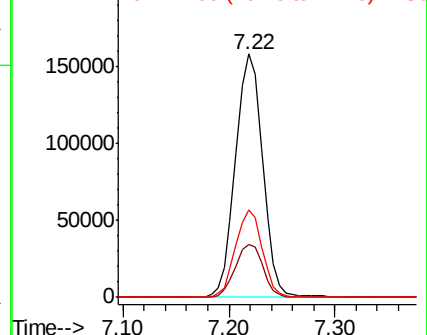
99 100

42 21.6 15.0 22.4

71 35.9 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: 14.157 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

Tgt Ion: 70 Resp: 24410

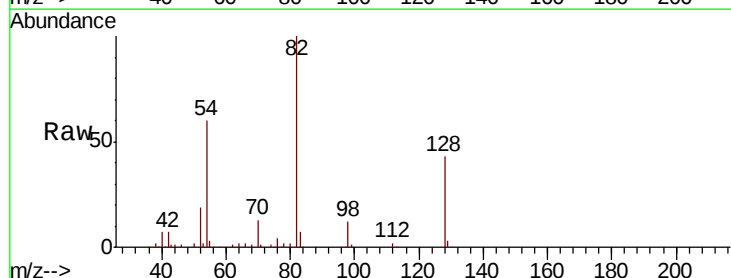
Ion Ratio Lower Upper

70 100

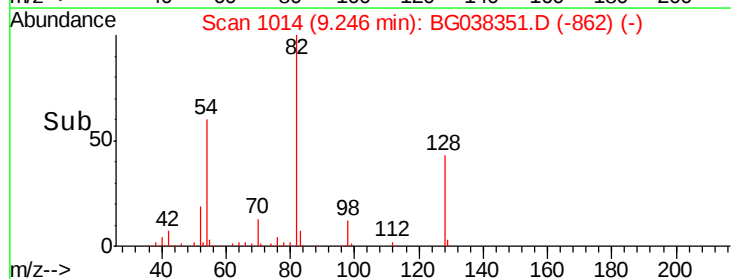
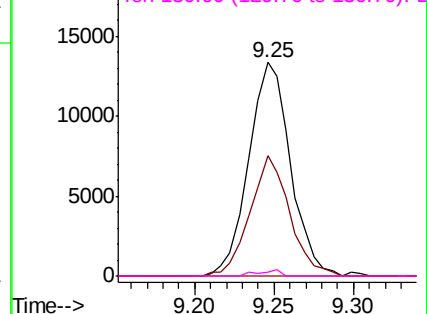
42 56.6 53.9 80.9

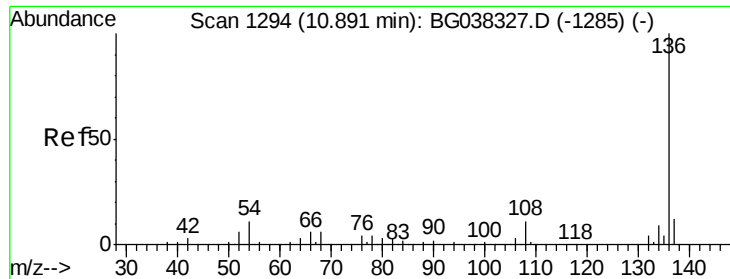
101 0.0 8.2 12.2#

130 2.1 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

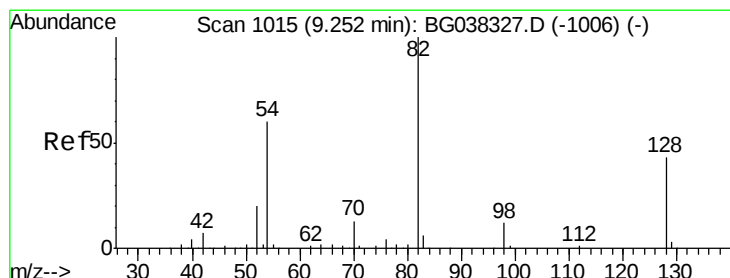
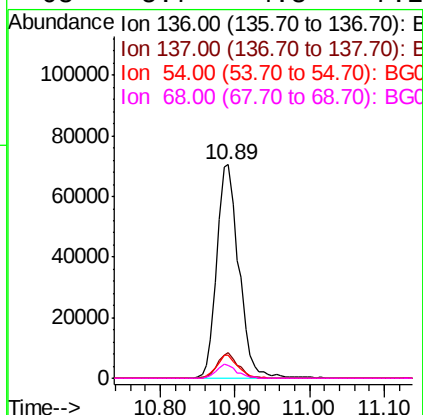
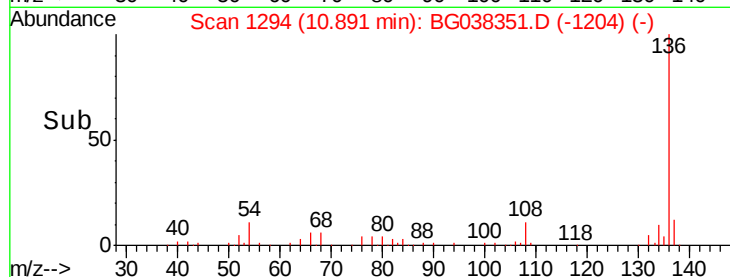
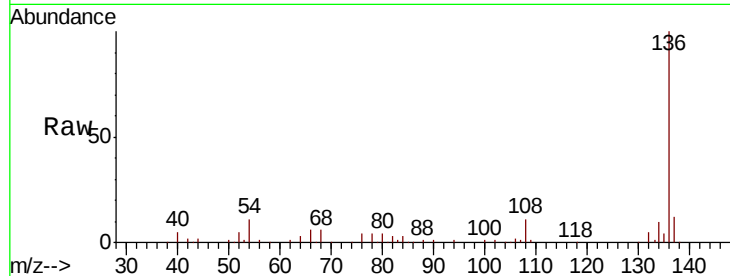




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038351.D
Acq: 5 Dec 2018 9:05

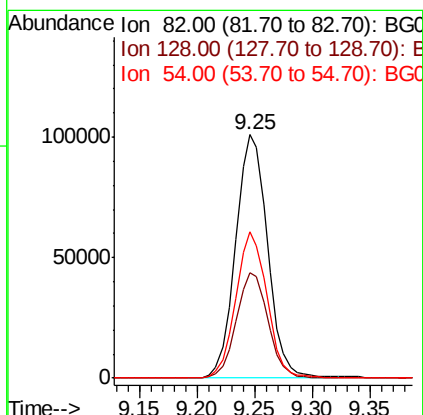
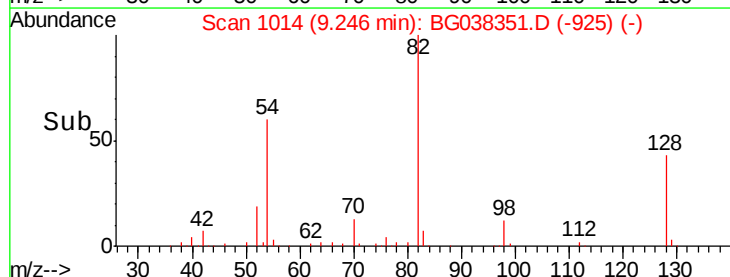
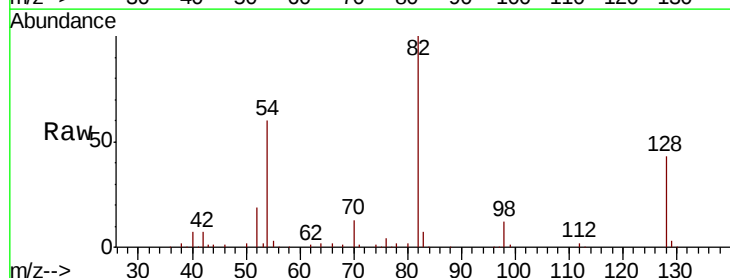
Instrument :
BNA_G
ClientSampleId :

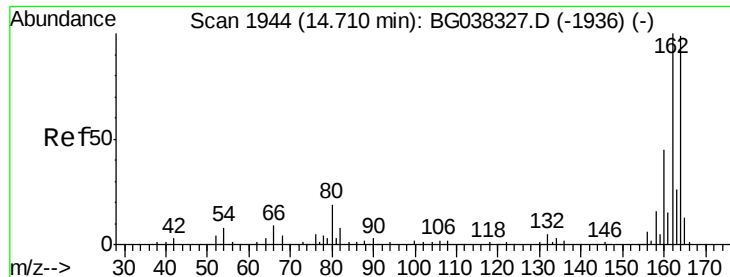
Tot Ion:136	Resp:	145398
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.6 14.4
54	11.0	7.9 11.9
68	5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 66.040 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038351.D
Acq: 5 Dec 2018 9:05

Tgt Ion: 82	Resp:	193404
Ion	Ratio	Lower Upper
82	100	
128	43.1	34.6 51.8
54	60.2	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

Instrument :

BNA_G

ClientSampleId :

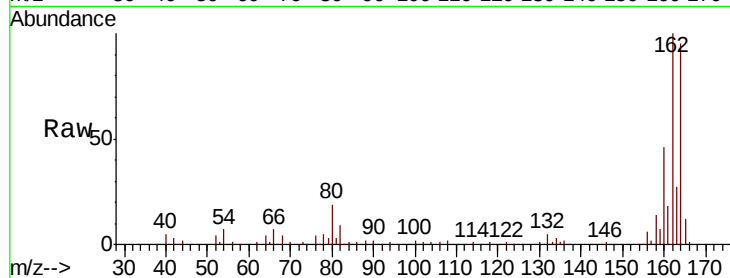
Tot Ion:164 Resp: 75007

Ion Ratio Lower Upper

164 100

162 105.5 81.3 121.9

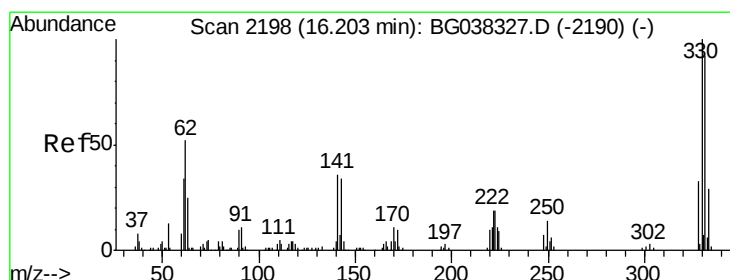
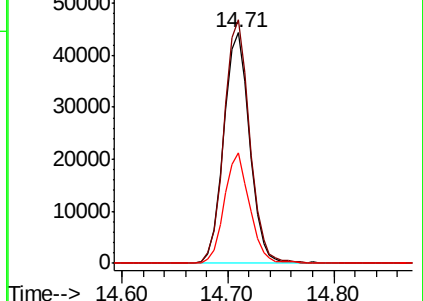
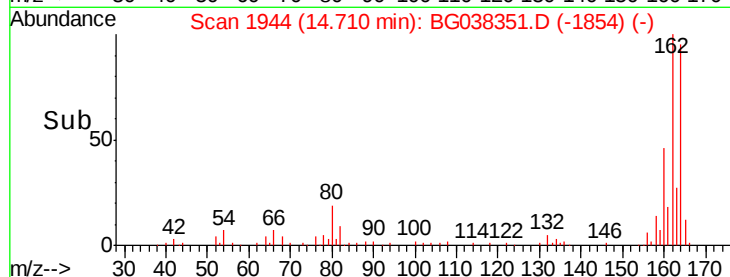
160 48.1 36.3 54.5



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: 124.645 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

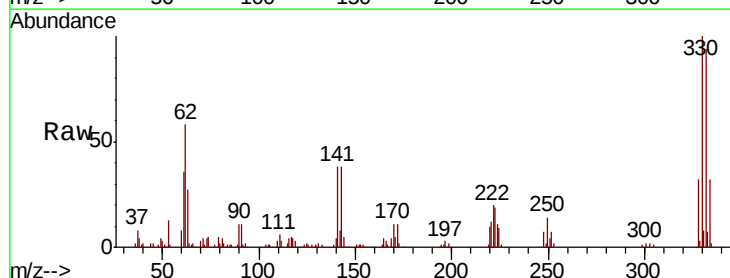
Tgt Ion:330 Resp: 114773

Ion Ratio Lower Upper

330 100

332 95.3 78.4 117.6

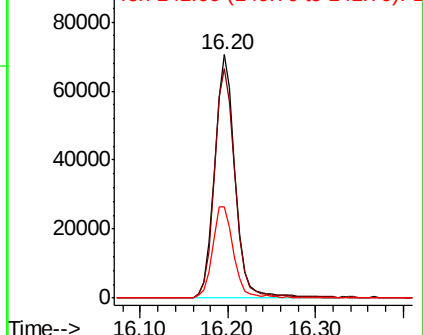
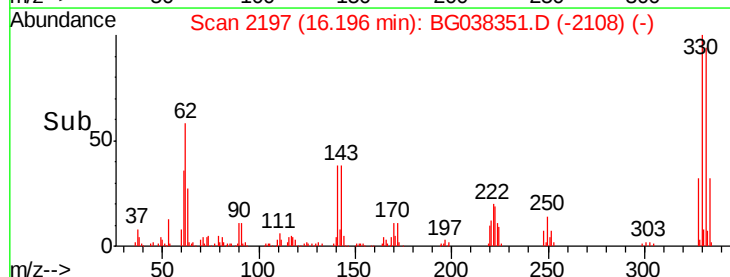
141 38.7 32.2 48.2

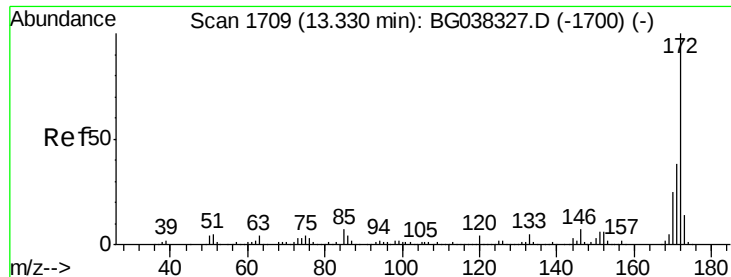


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

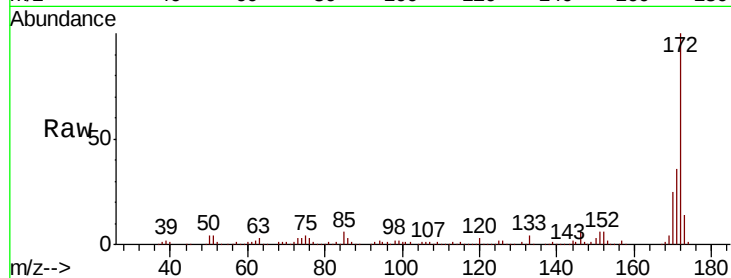




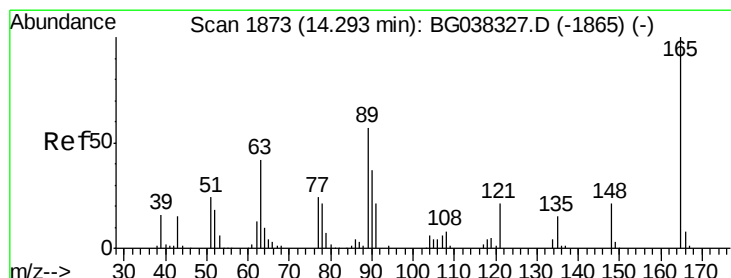
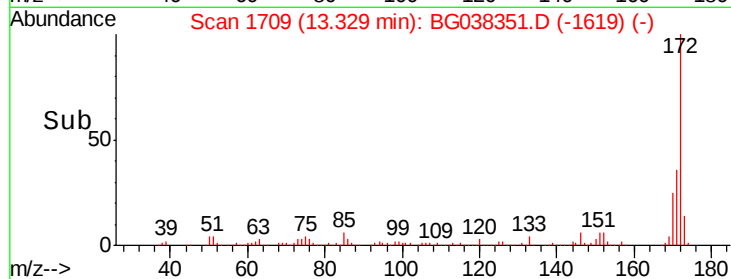
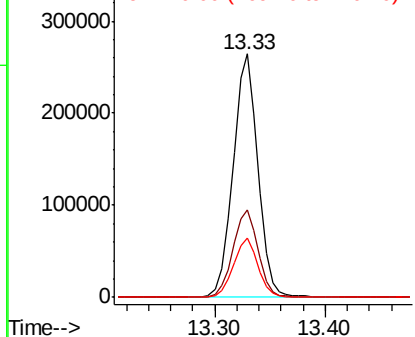
#45
 2-Fluorobiphenyl
 Concen: 79.302 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 417442
 Ion Ratio Lower Upper
 172 100
 171 36.2 31.0 46.4
 170 24.6 20.2 30.2

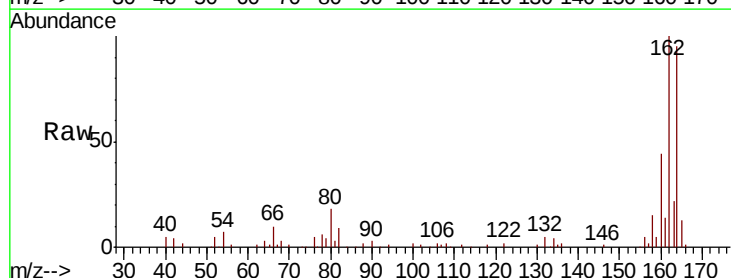


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

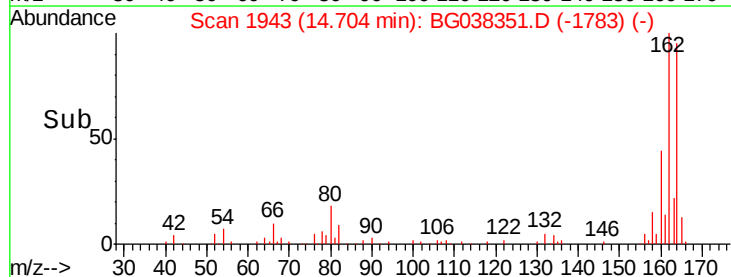
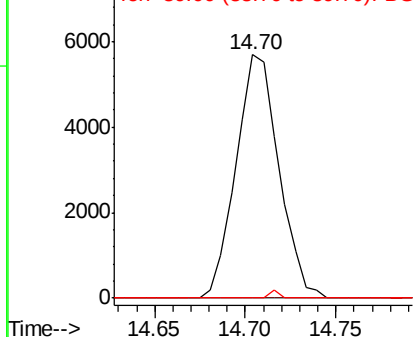


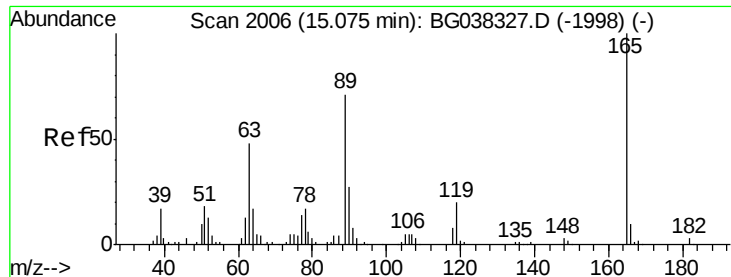
#51
 2,6-Dinitrotoluene
 Concen: 6.805 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Tgt Ion:165 Resp: 9352
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 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

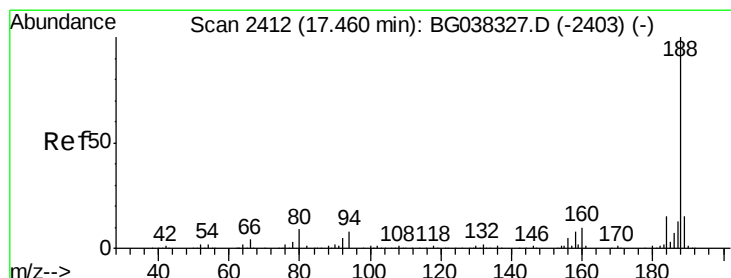
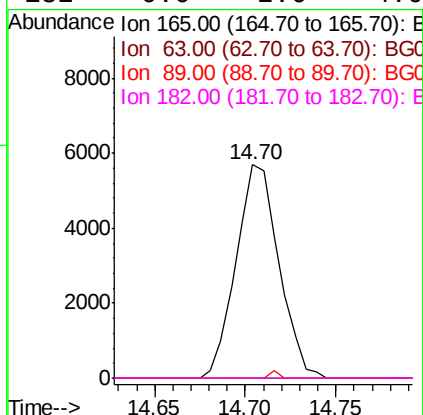
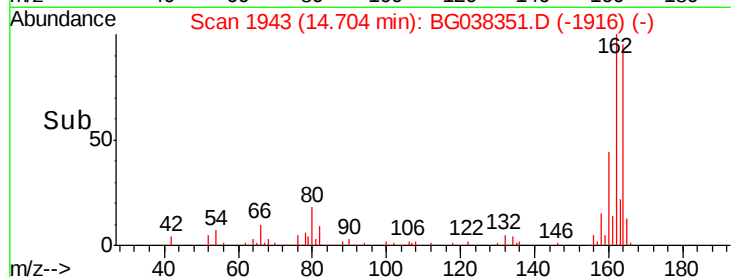
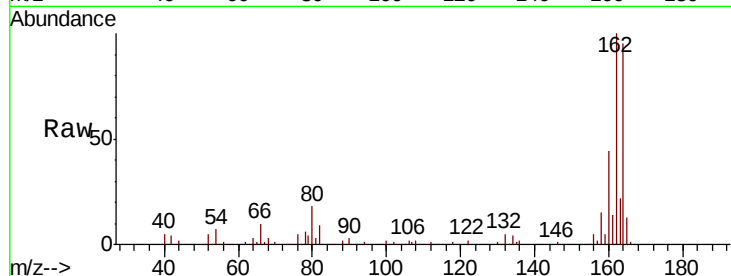




#57
 2,4-Dinitrotoluene
 Concen: 4.934 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

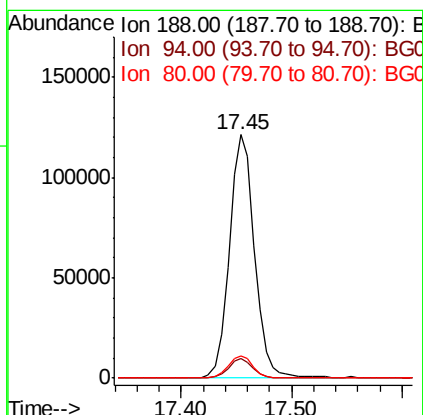
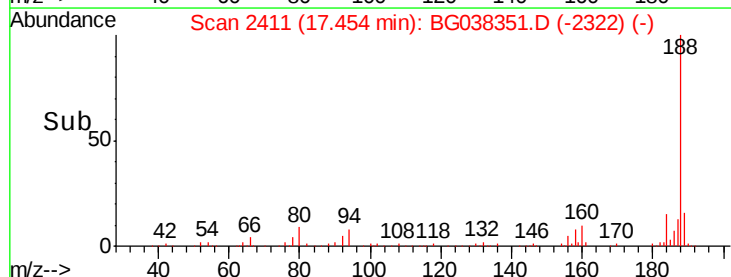
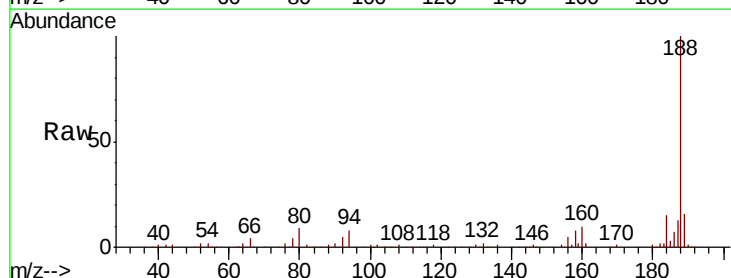
Instrument :
 BNA_G
 ClientSampleId :

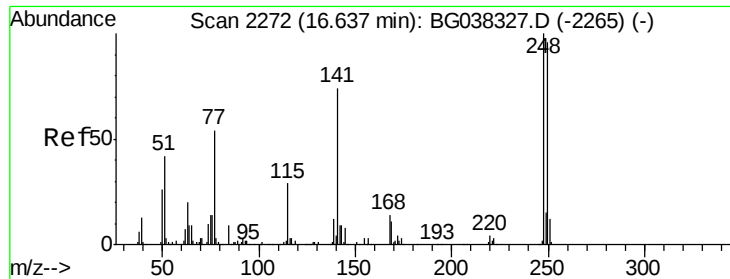
Tot Ion:165	Resp:	9352
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	0.0	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Tgt Ion:188	Resp:	192497
Ion Ratio	Lower	Upper
188	100	
94	8.0	7.2 10.8
80	9.0	7.7 11.5

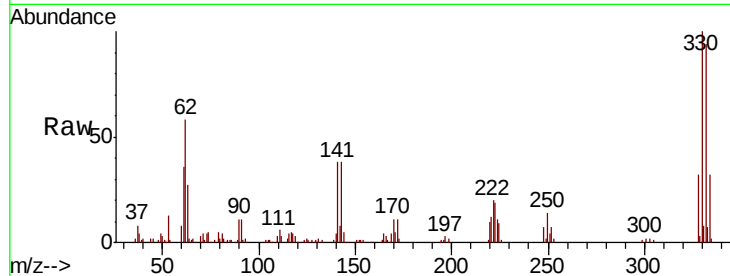




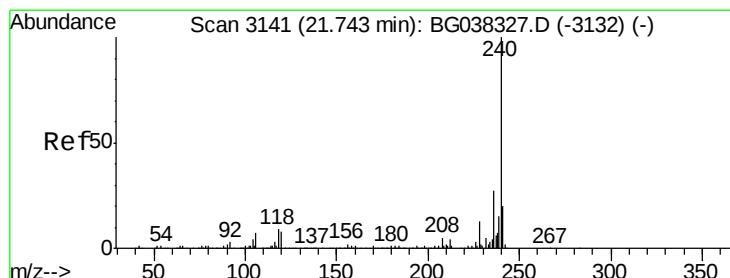
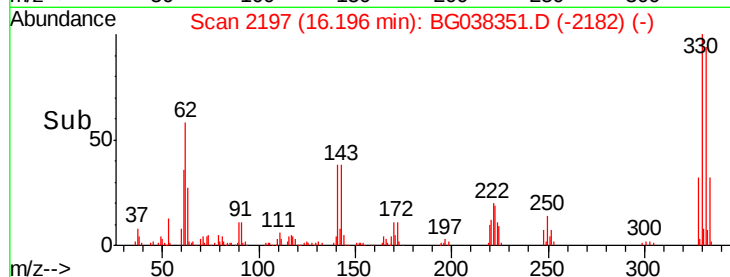
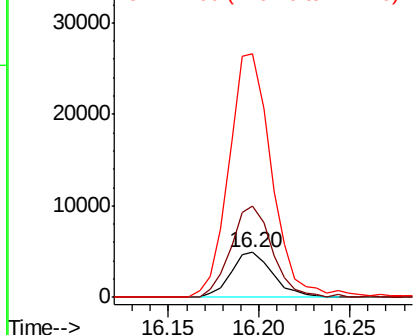
#67
 4-Bromophenyl-phenylether
 Concen: 3.830 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 7962
 Ion Ratio Lower Upper
 248 100
 250 156.0 77.0 115.6#
 141 418.4 55.5 83.3#

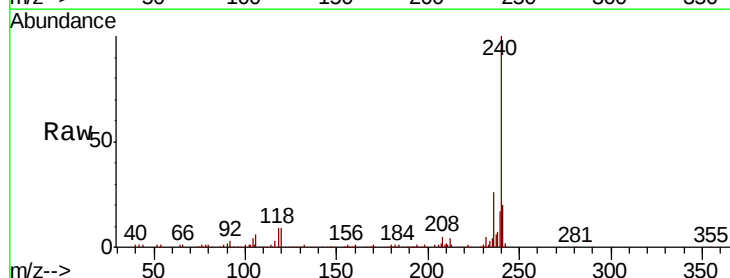


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

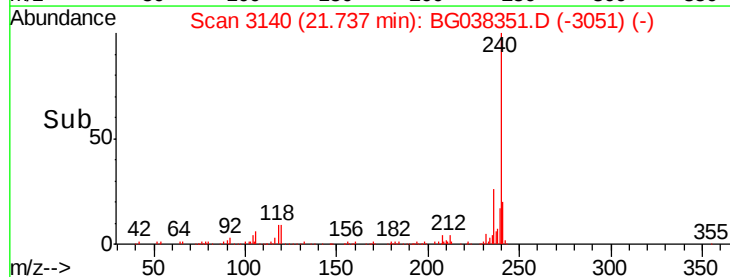
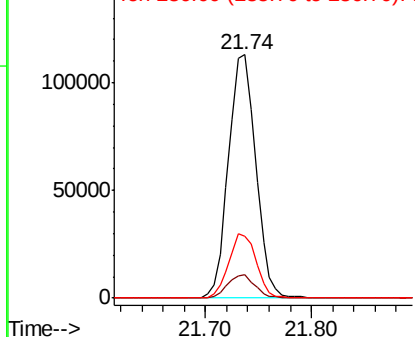


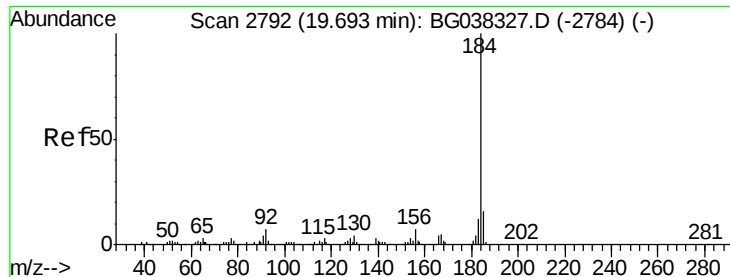
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.74 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BG038351.D
 Acq: 5 Dec 2018 9:05

Tgt Ion:240 Resp: 202179
 Ion Ratio Lower Upper
 240 100
 120 9.4 8.1 12.1
 236 25.6 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: 2.147 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.36 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

Instrument :

BNA_G

ClientSampleId :

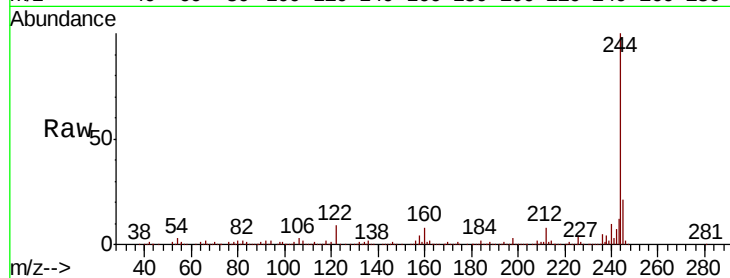
Tot Ion:184 Resp: 14649

Ion Ratio Lower Upper

184 100

185 17.0 12.6 18.8

183 8.8 10.2 15.2#

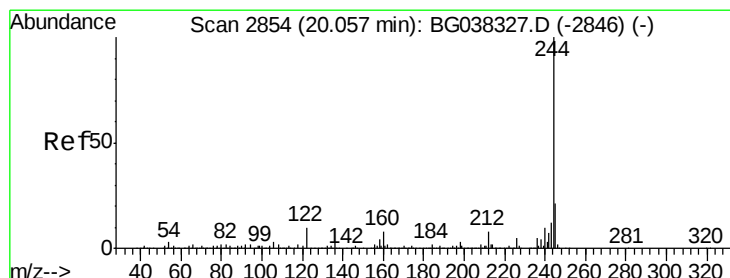
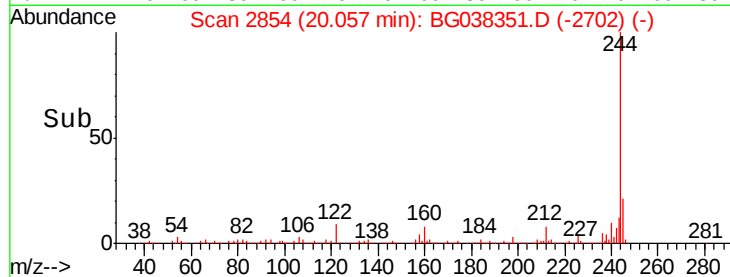
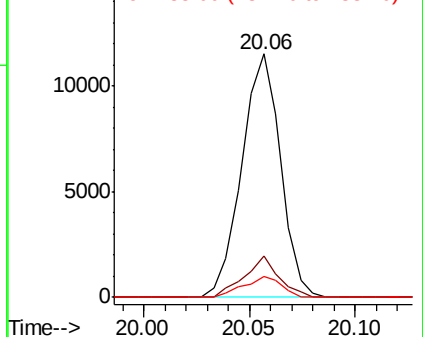


Abundance

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: 85.257 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

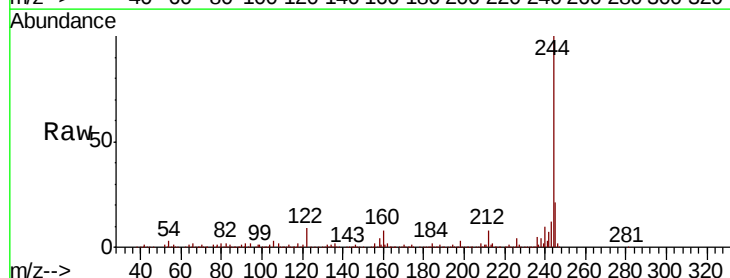
Tgt Ion:244 Resp: 804630

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 8.8 9.0 13.4#

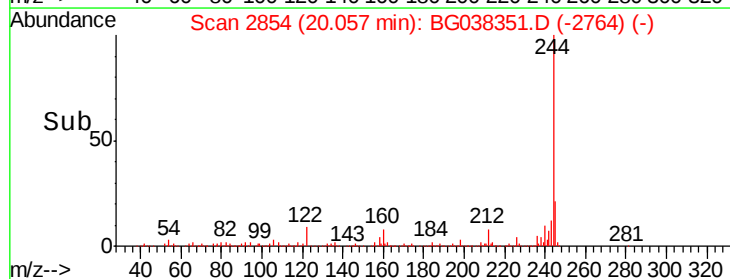
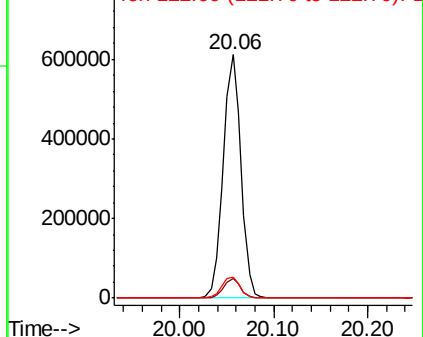


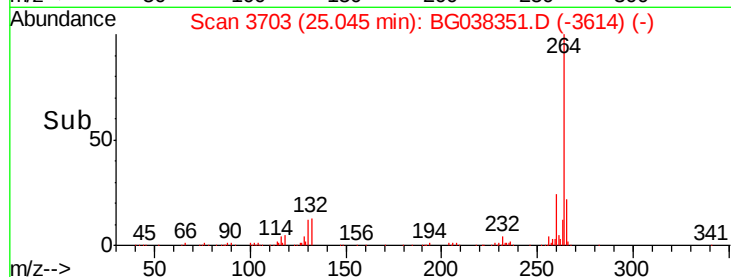
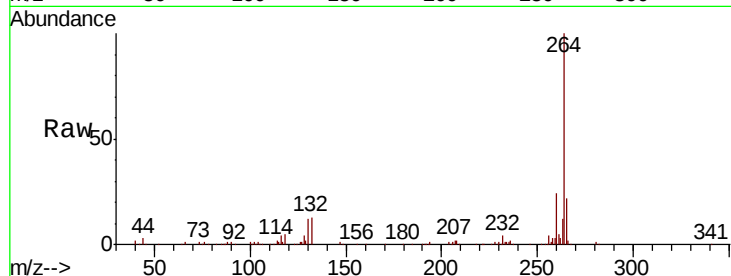
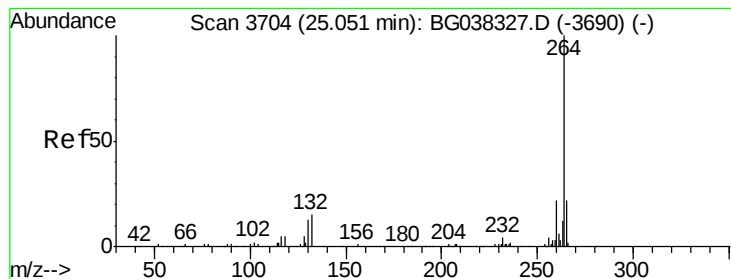
Abundance

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# 3703

Delta R.T. -0.01 min

Lab File: BG038351.D

Acq: 5 Dec 2018 9:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 204789

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 21.8 17.9 26.9

