

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
 Data File : BG038353.D
 Acq On : 5 Dec 2018 10:24
 Operator : JU/SJ
 Sample : J5764-22RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 05 11:56:11 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

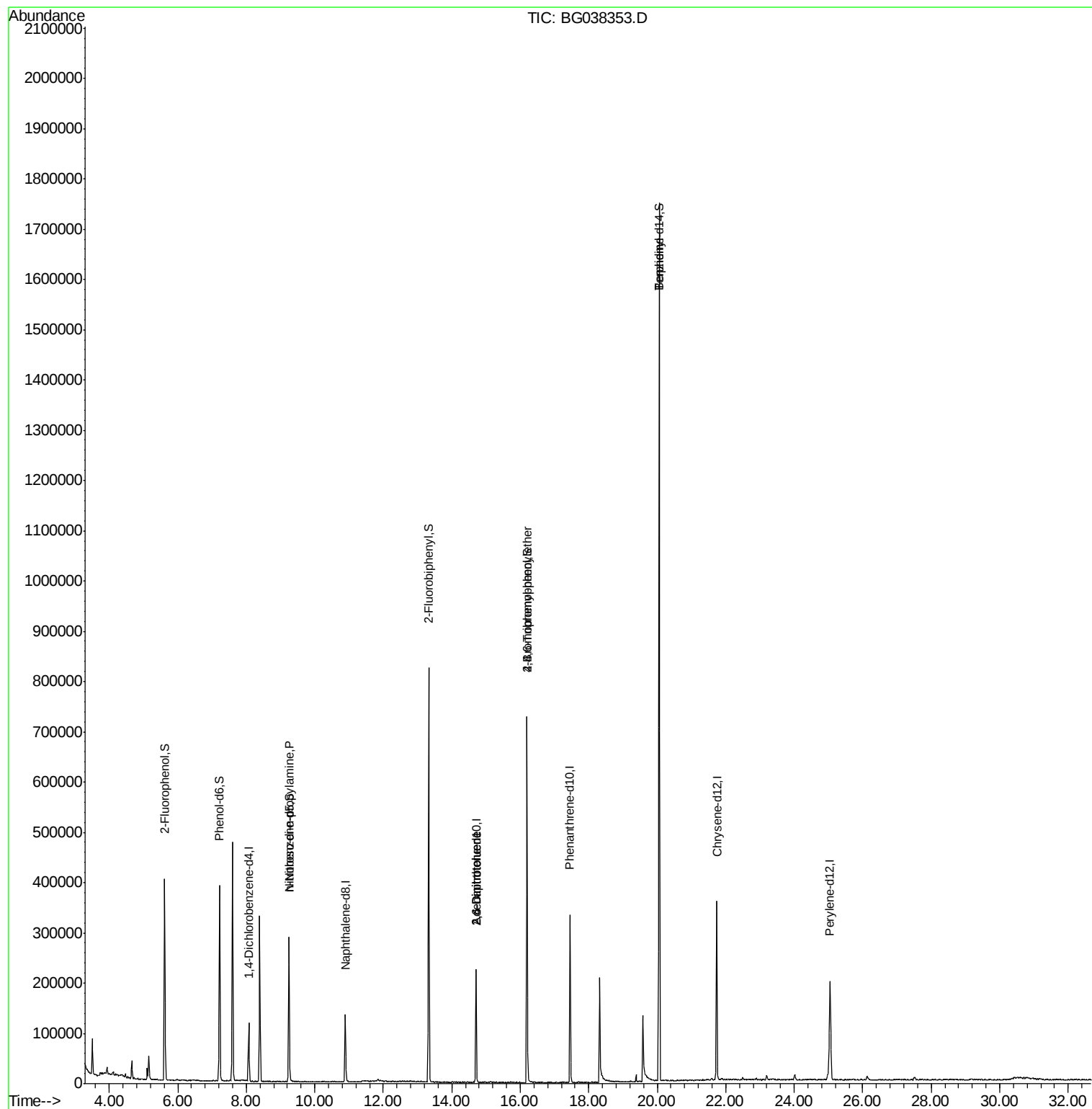
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	32854	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	120222	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	81053	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	217672	20.00	ng	0.00
76) Chrysene-d12	21.74	240	214078	20.00	ng	0.00
87) Perylene-d12	25.04	264	223997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	175675	94.63	ng	0.00
7) Phenol-d6	7.22	99	223031	83.12	ng	0.00
23) Nitrobenzene-d5	9.25	82	180318	74.47	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	136098	136.78	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	442173	77.73	ng	0.00
79) Terphenyl-d14	20.06	244	828635	82.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	23568	10.463	ng	# 75
22) Acetophenone	8.90	105	58	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.71	165	10570	7.118	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	10570	5.161	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	9710	4.131	ng	# 1
77) Benzidine	20.06	184	15194	2.103	ng	# 93

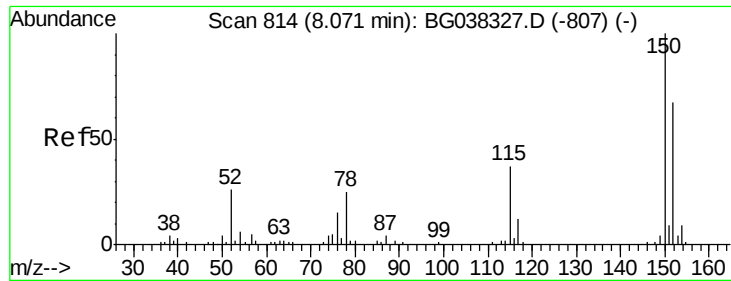
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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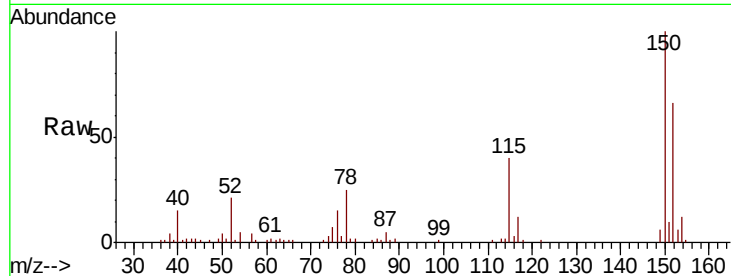


#1

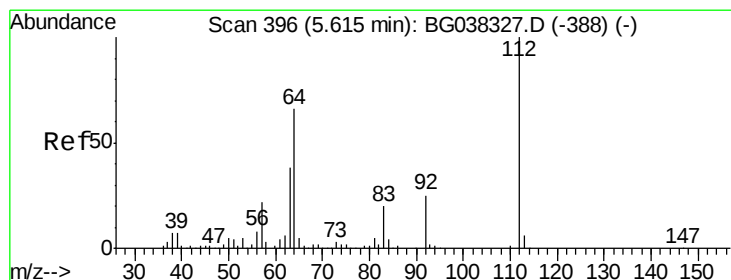
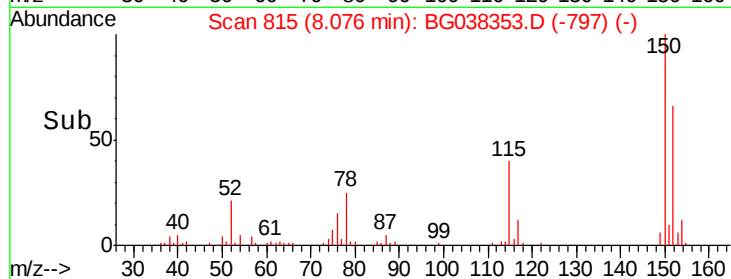
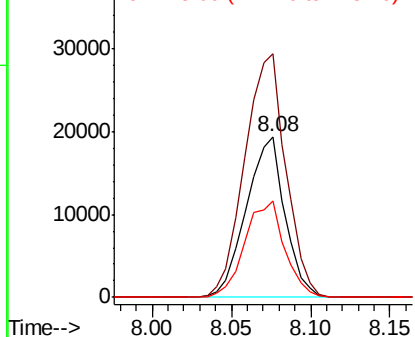
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. 0.01 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32854
Ion Ratio Lower Upper
152 100
150 151.6 126.0 189.0
115 60.1 45.5 68.3



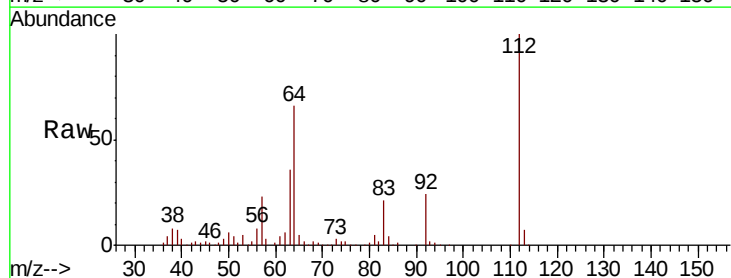
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



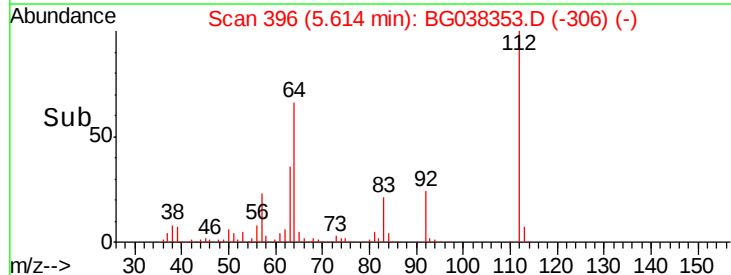
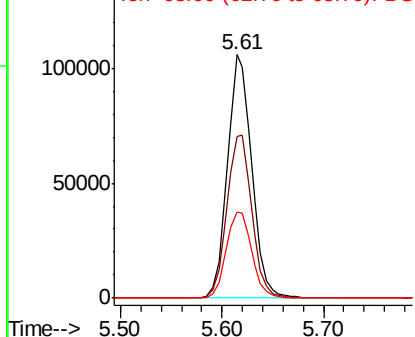
#5

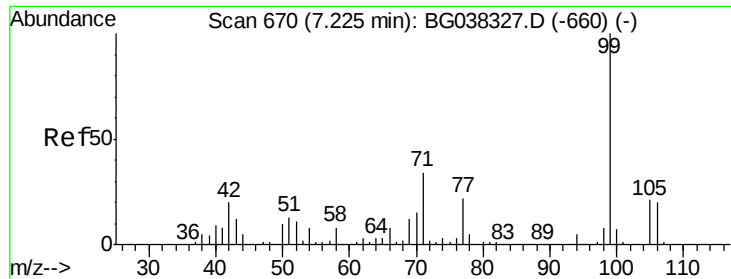
2-Fluorophenol
Concen: 94.625 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Tgt Ion:112 Resp: 175675
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 35.5 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: 83.118 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038353.D

Acq: 5 Dec 2018 10:24

Instrument :

BNA_G

ClientSampleId :

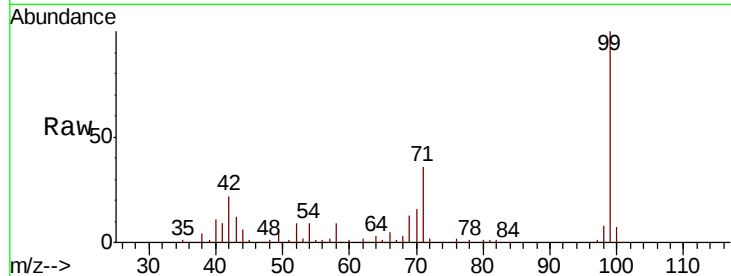
Tot Ion: 99 Resp: 223031

Ion Ratio Lower Upper

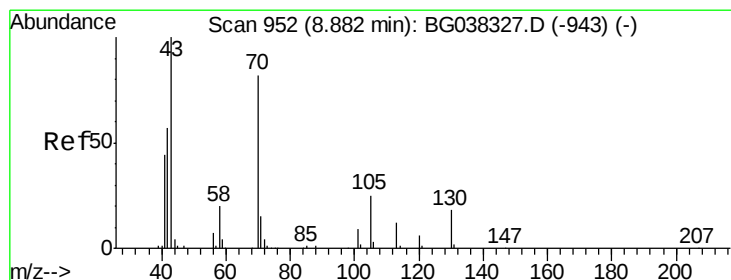
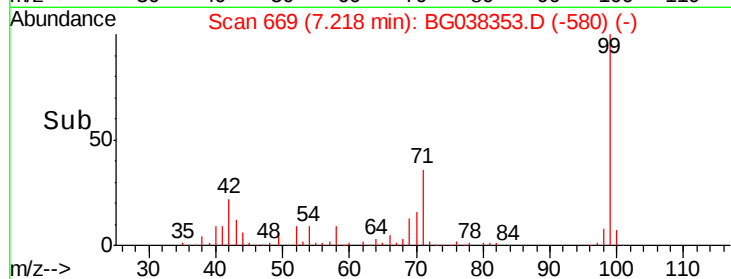
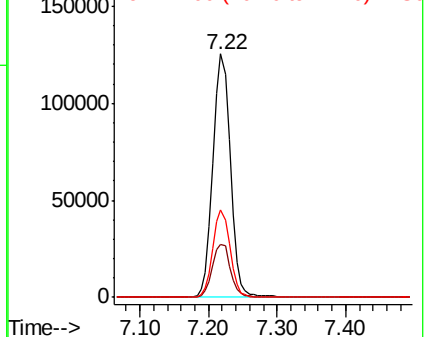
99 100

42 21.8 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: 10.463 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.37 min

Lab File: BG038353.D

Acq: 5 Dec 2018 10:24

Tgt Ion: 70 Resp: 23568

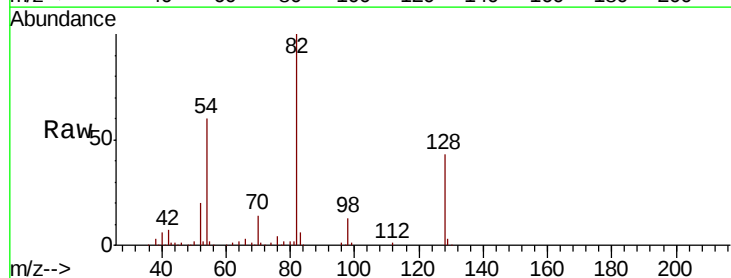
Ion Ratio Lower Upper

70 100

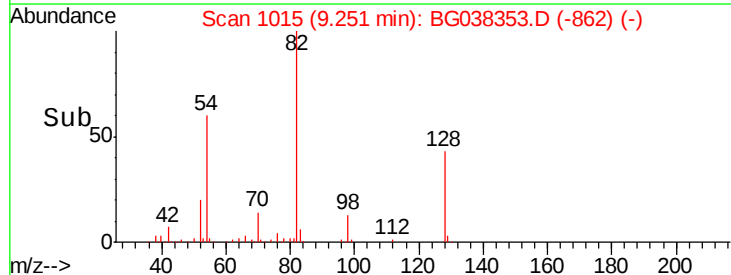
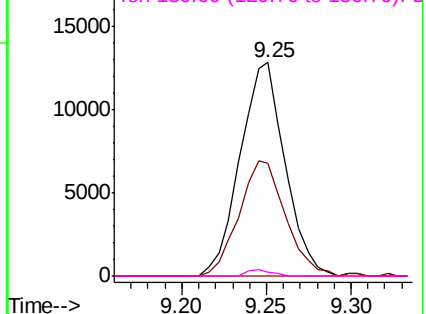
42 52.9 53.9 80.9#

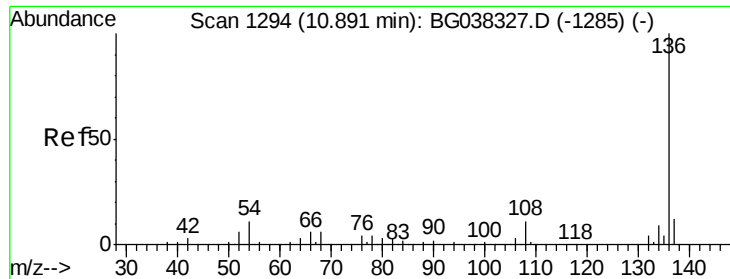
101 0.0 8.2 12.2#

130 1.6 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

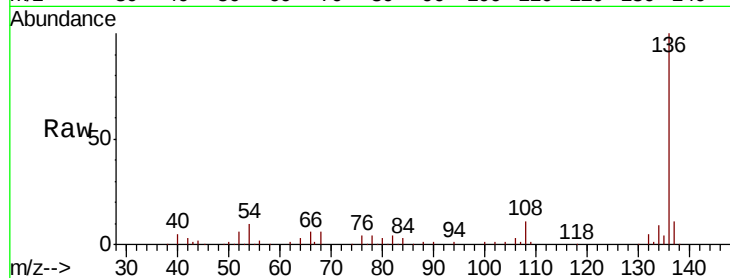




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	120222
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.6 14.4
54	10.3	7.9 11.9
68	6.0	4.8 7.2



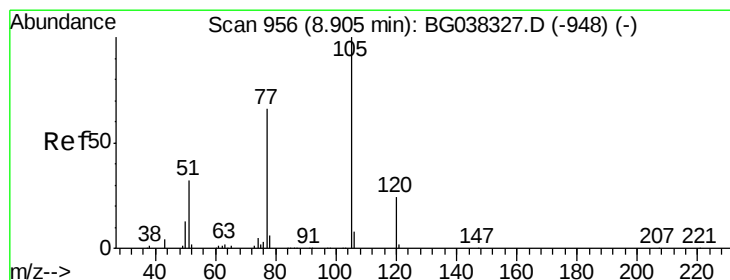
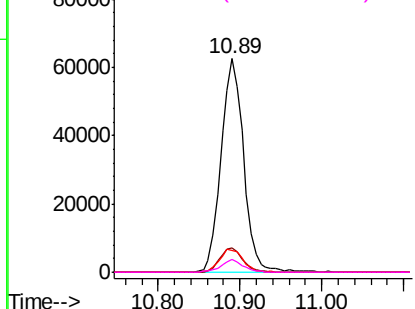
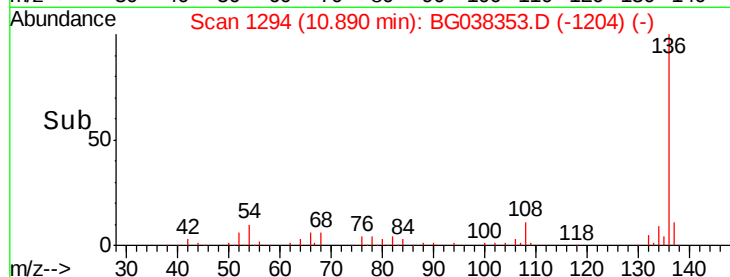
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

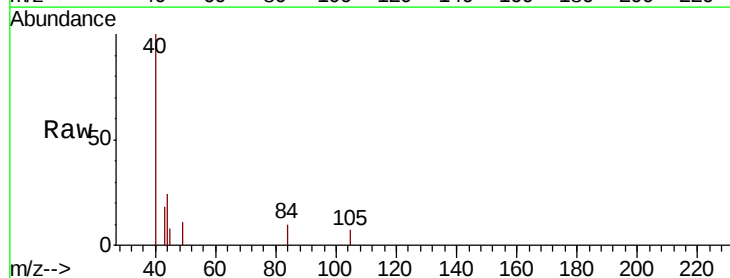
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: Below Cal
RT: 8.90 min Scan# 955
Delta R.T. -0.01 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Tgt Ion:105	Resp:	58
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	0.0	25.0 37.6#
120	0.0	18.6 28.0#



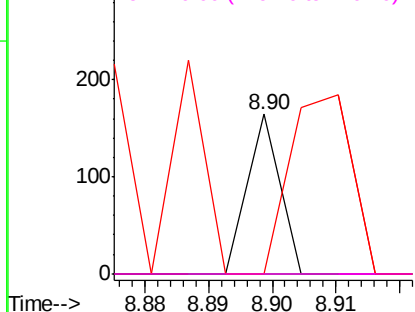
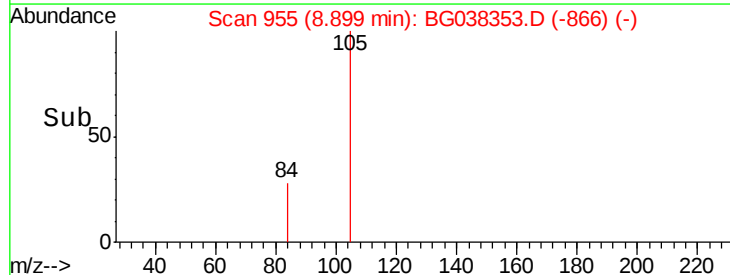
Abundance

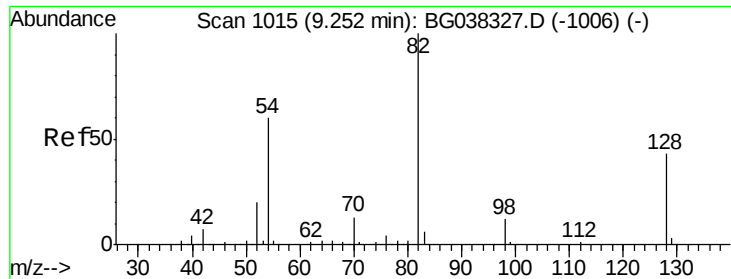
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

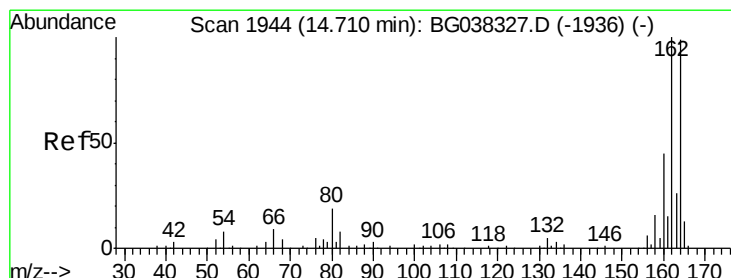
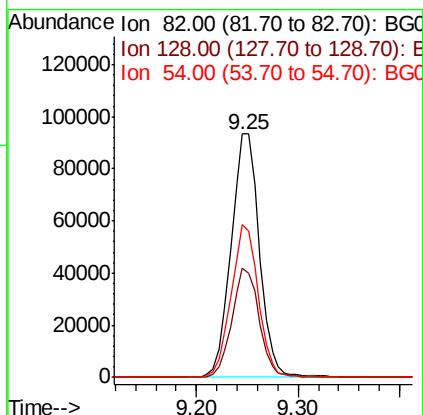
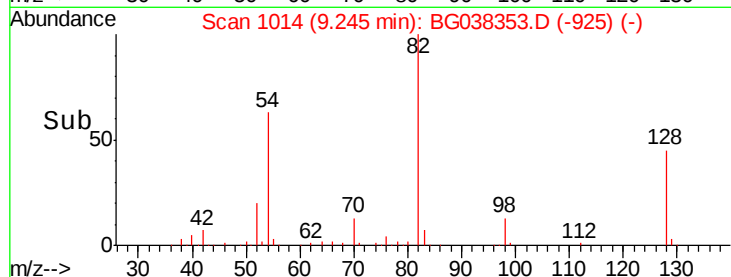
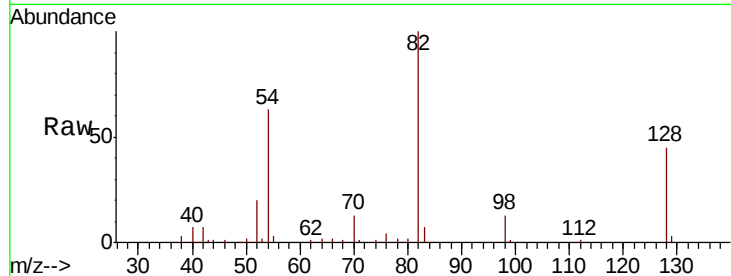




#23
Nitrobenzene-d5
Concen: 74.466 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

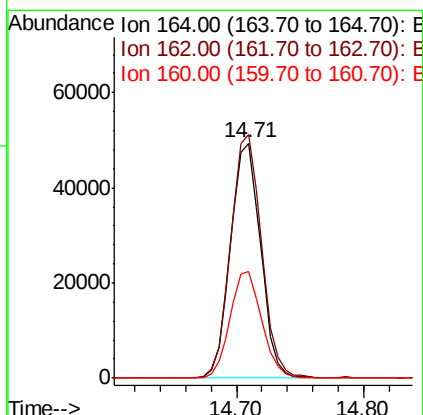
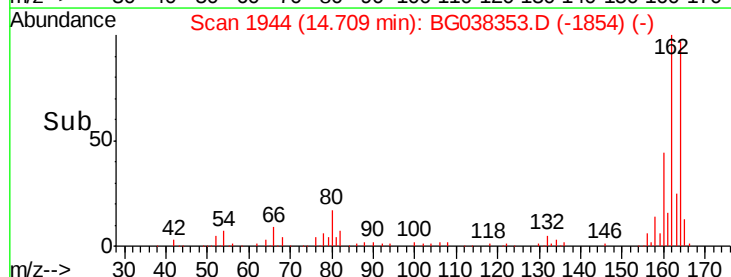
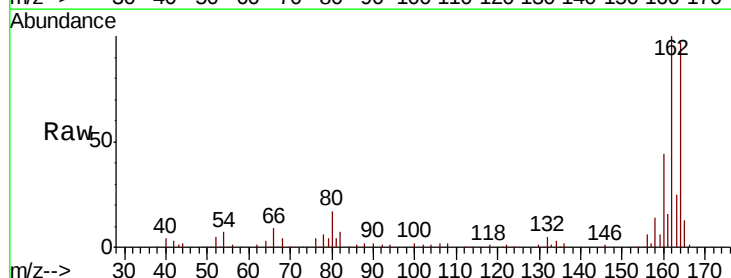
Instrument :
BNA_G
ClientSampleId :

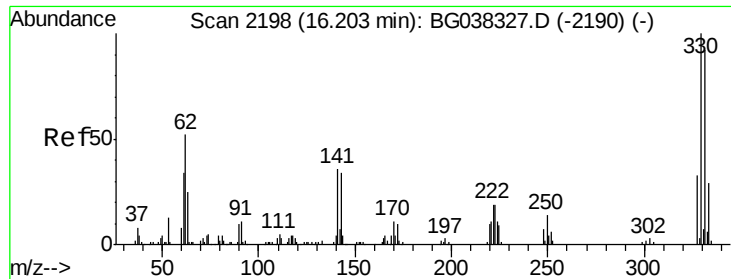
Tot Ion: 82 Resp: 180318
Ion Ratio Lower Upper
82 100
128 44.8 34.6 51.8
54 62.9 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Tgt Ion:164 Resp: 81053
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 45.7 36.3 54.5

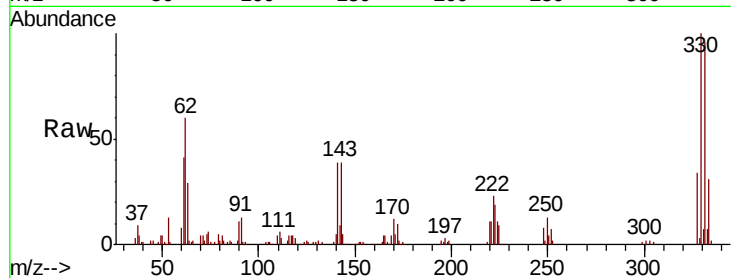




#42
 2,4,6-Tribromophenol
 Concen: 136.779 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038353.D
 Acq: 5 Dec 2018 10:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.4	117.6
141	38.7	32.2	48.2

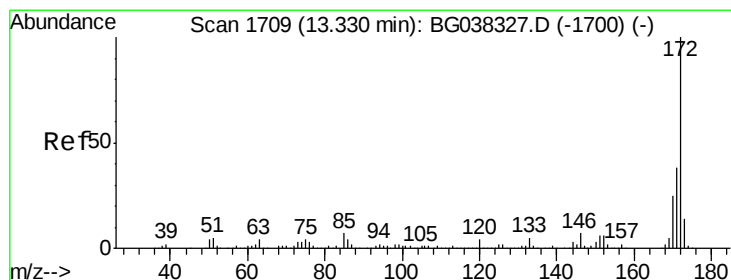
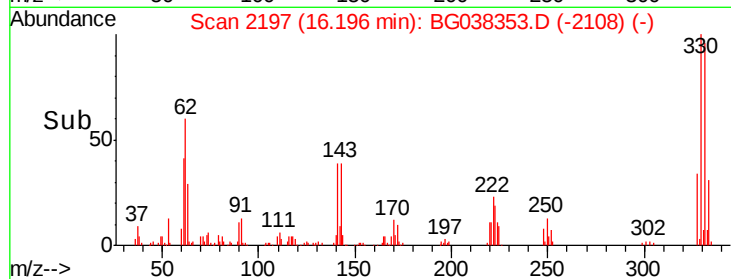
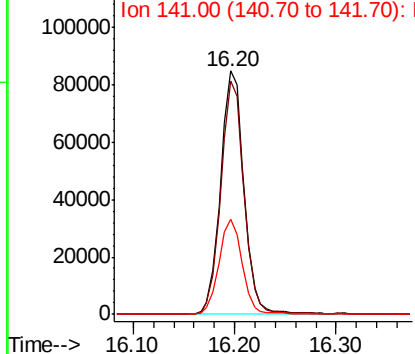


Abundance

Ion 329.80 (329.50 to 330.50): E

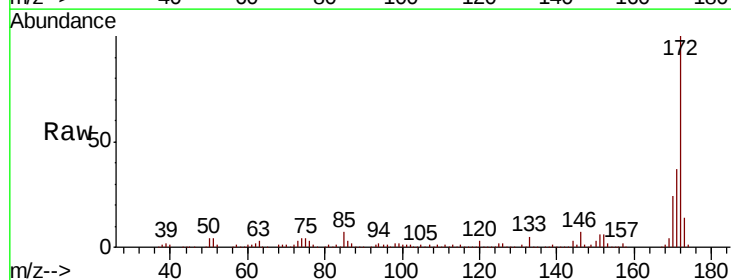
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.734 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038353.D
 Acq: 5 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.0	46.4
170	24.2	20.2	30.2

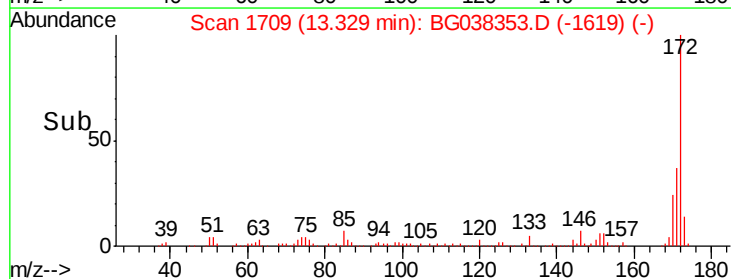
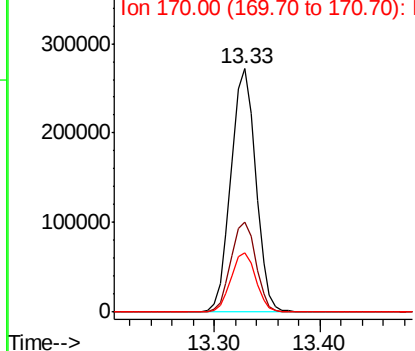


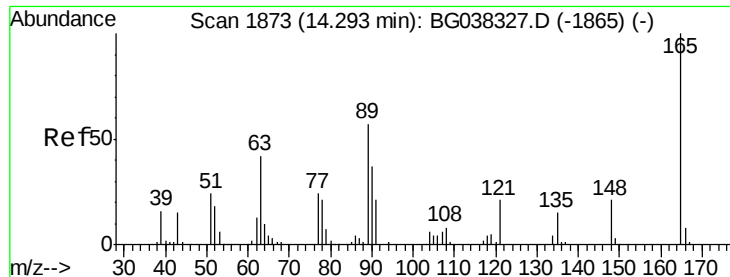
Abundance

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

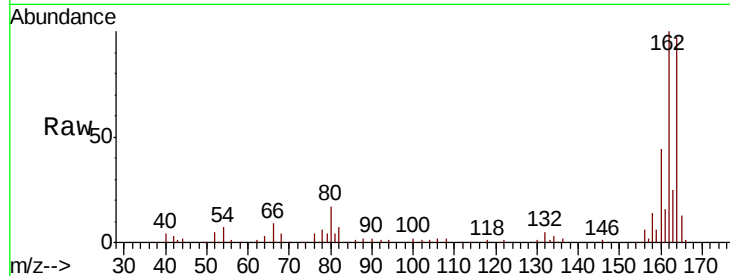




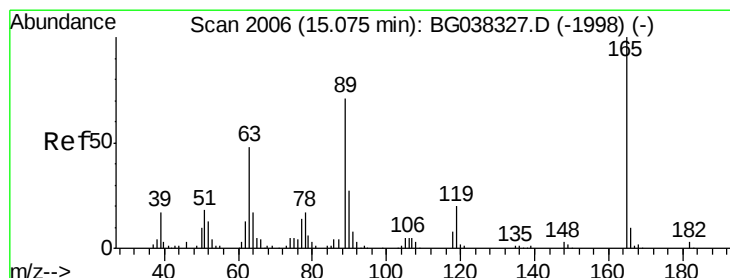
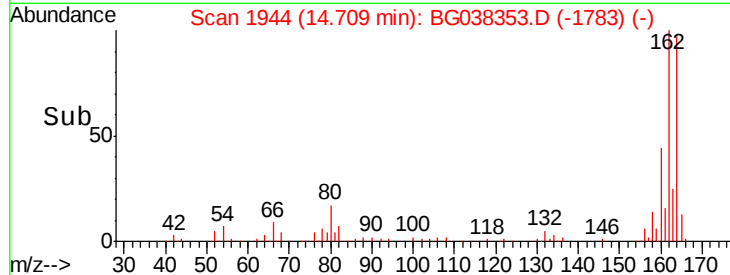
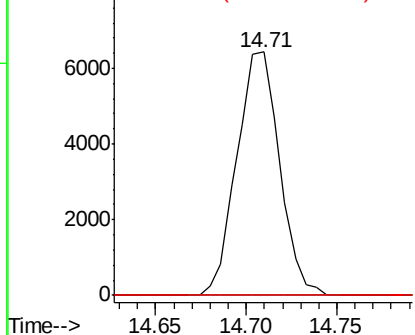
#51
 2,6-Dinitrotoluene
 Concen: 7.118 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.42 min
 Lab File: BG038353.D
 Acq: 5 Dec 2018 10:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



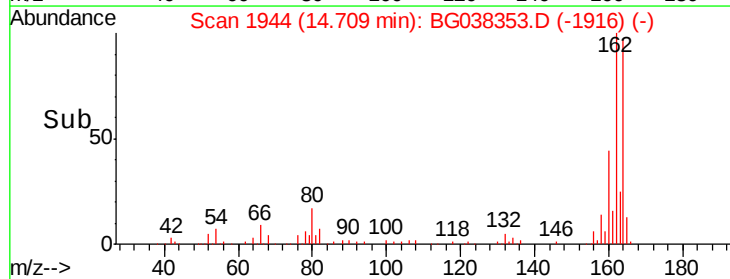
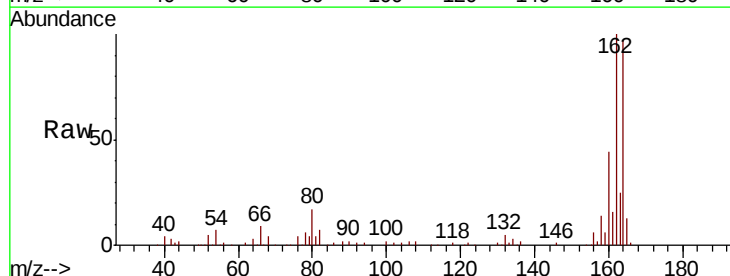
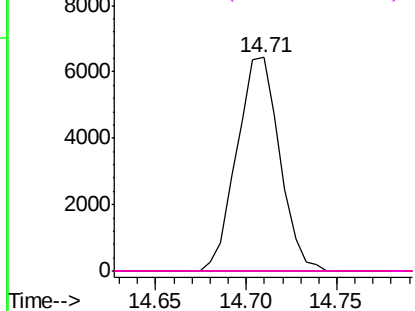
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

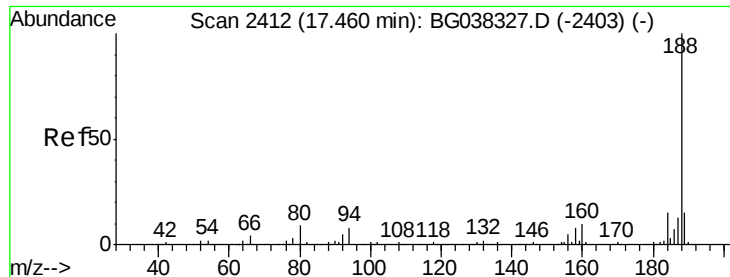


#57
 2,4-Dinitrotoluene
 Concen: 5.161 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG038353.D
 Acq: 5 Dec 2018 10:24

Tgt 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#

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: BG038353.D

Acq: 5 Dec 2018 10:24

Instrument :

BNA_G

ClientSampleId :

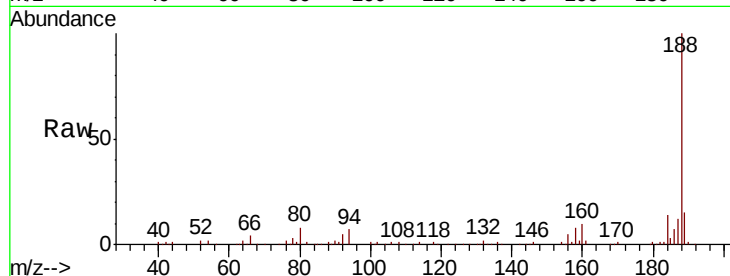
Tot Ion:188 Resp: 217672

Ion Ratio Lower Upper

188 100

94 7.5 7.2 10.8

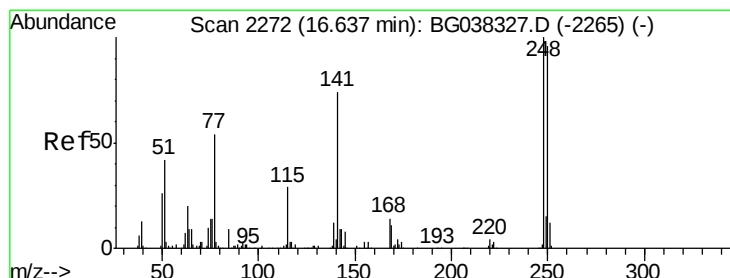
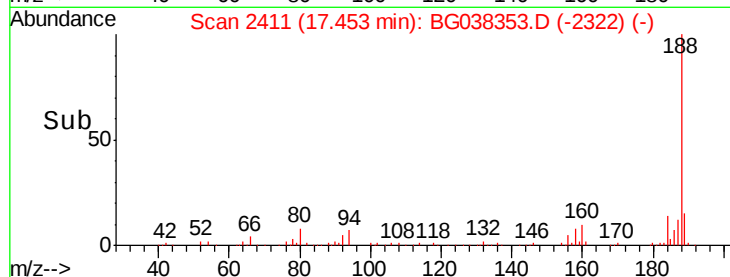
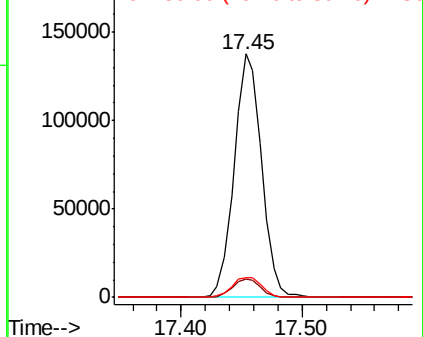
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.131 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.44 min

Lab File: BG038353.D

Acq: 5 Dec 2018 10:24

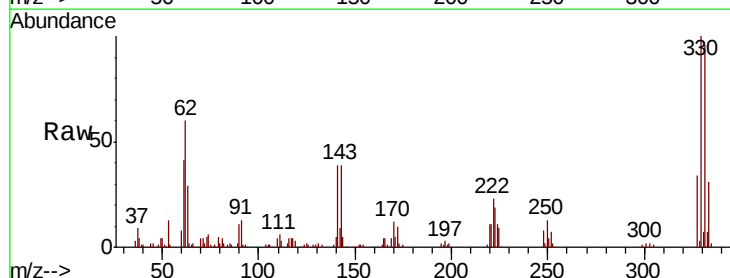
Tgt Ion:248 Resp: 9710

Ion Ratio Lower Upper

248 100

250 172.6 77.0 115.6#

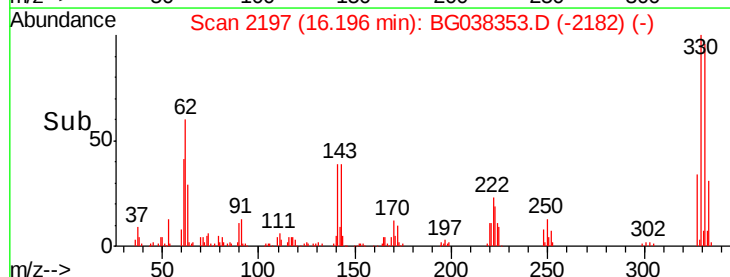
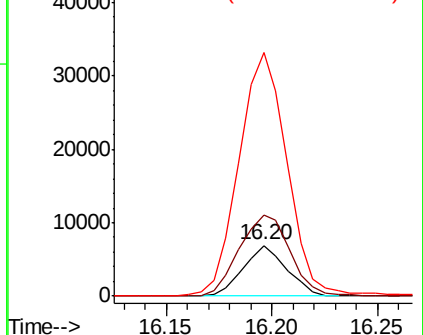
141 387.9 55.5 83.3#

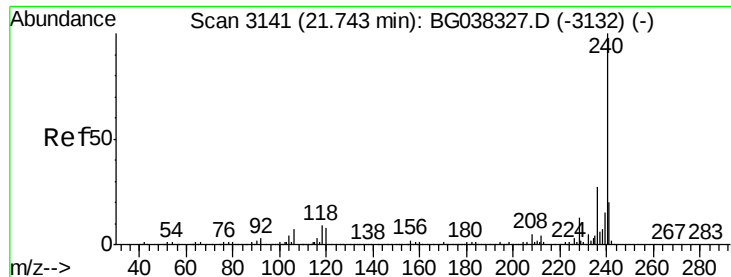


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

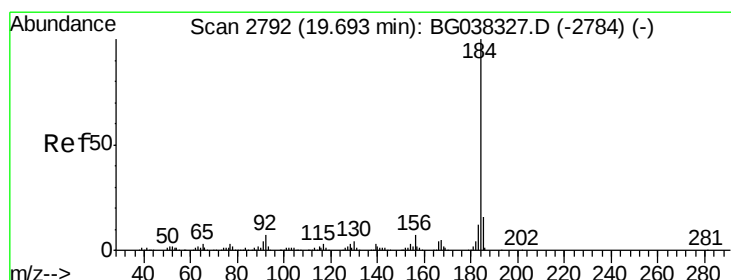
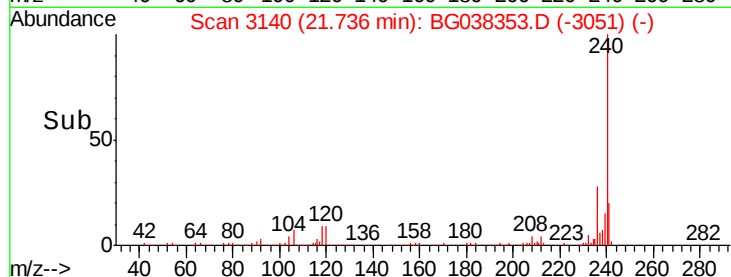
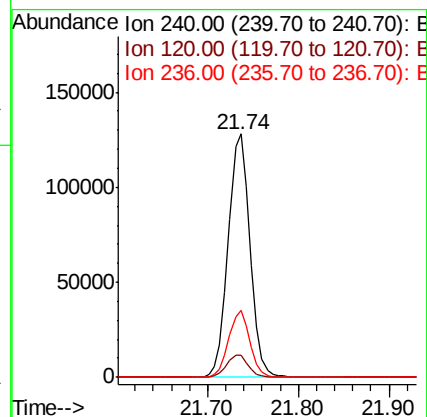
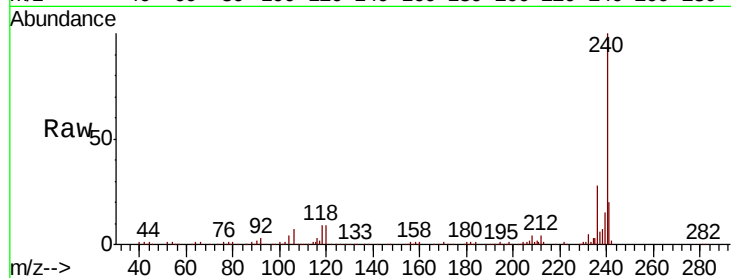




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

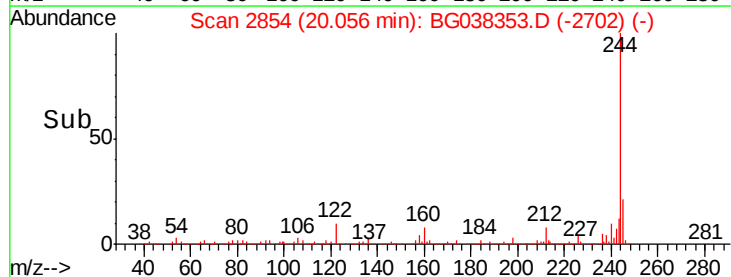
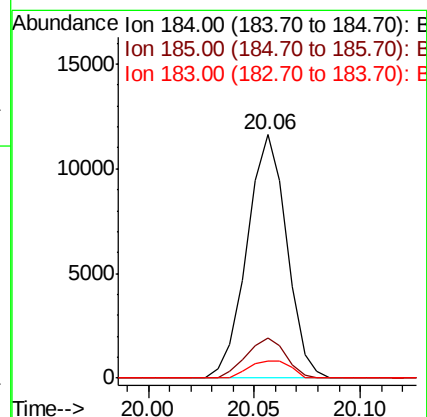
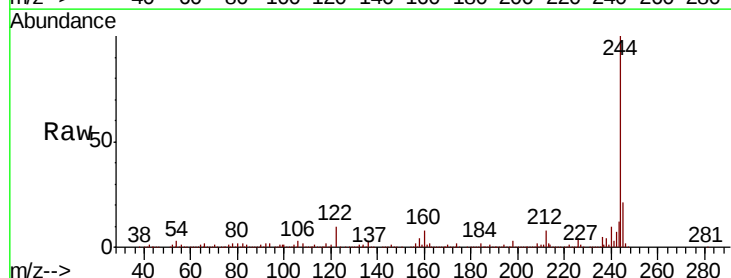
Instrument :
BNA_G
ClientSampleId :

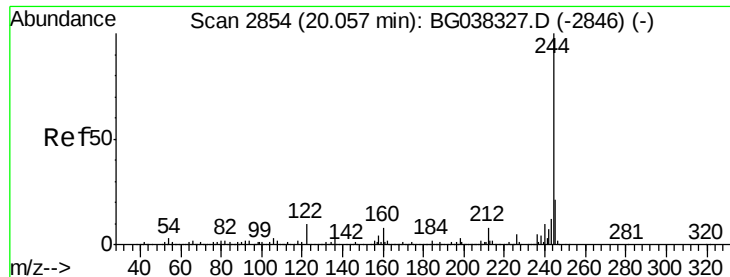
Tot Ion:240 Resp: 214078
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 27.5 21.4 32.0



#77
Benzidine
Concen: 2.103 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038353.D
Acq: 5 Dec 2018 10:24

Tgt Ion:184 Resp: 15194
Ion Ratio Lower Upper
184 100
185 16.4 12.6 18.8
183 7.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 82.921 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038353.D

Acq: 5 Dec 2018 10:24

Instrument :

BNA_G

ClientSampleId :

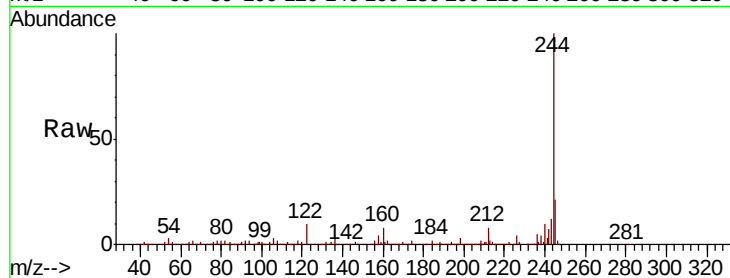
Tot Ion:244 Resp: 828635

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

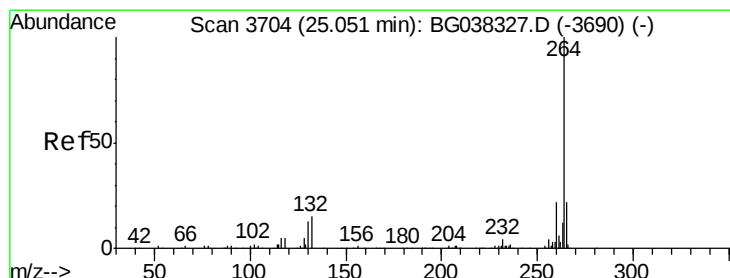
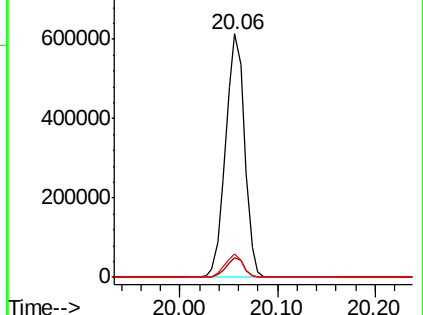
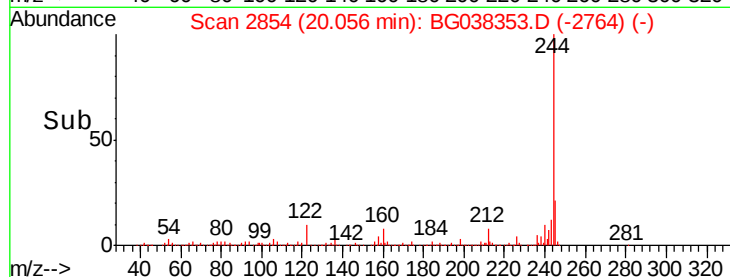
122 9.5 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG038353.D

Acq: 5 Dec 2018 10:24

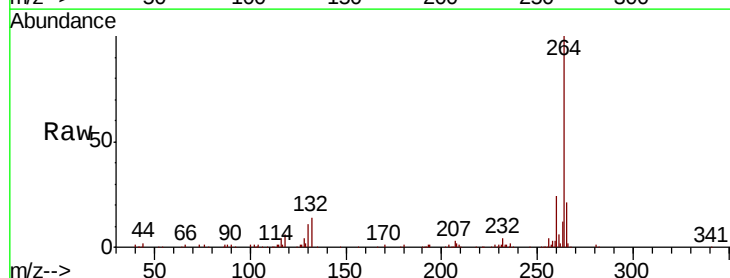
Tgt Ion:264 Resp: 223997

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 20.7 17.9 26.9



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

