

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038465.D
 Acq On : 11 Dec 2018 10:43
 Operator : JU/SJ
 Sample : J6316-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 13:00:47 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

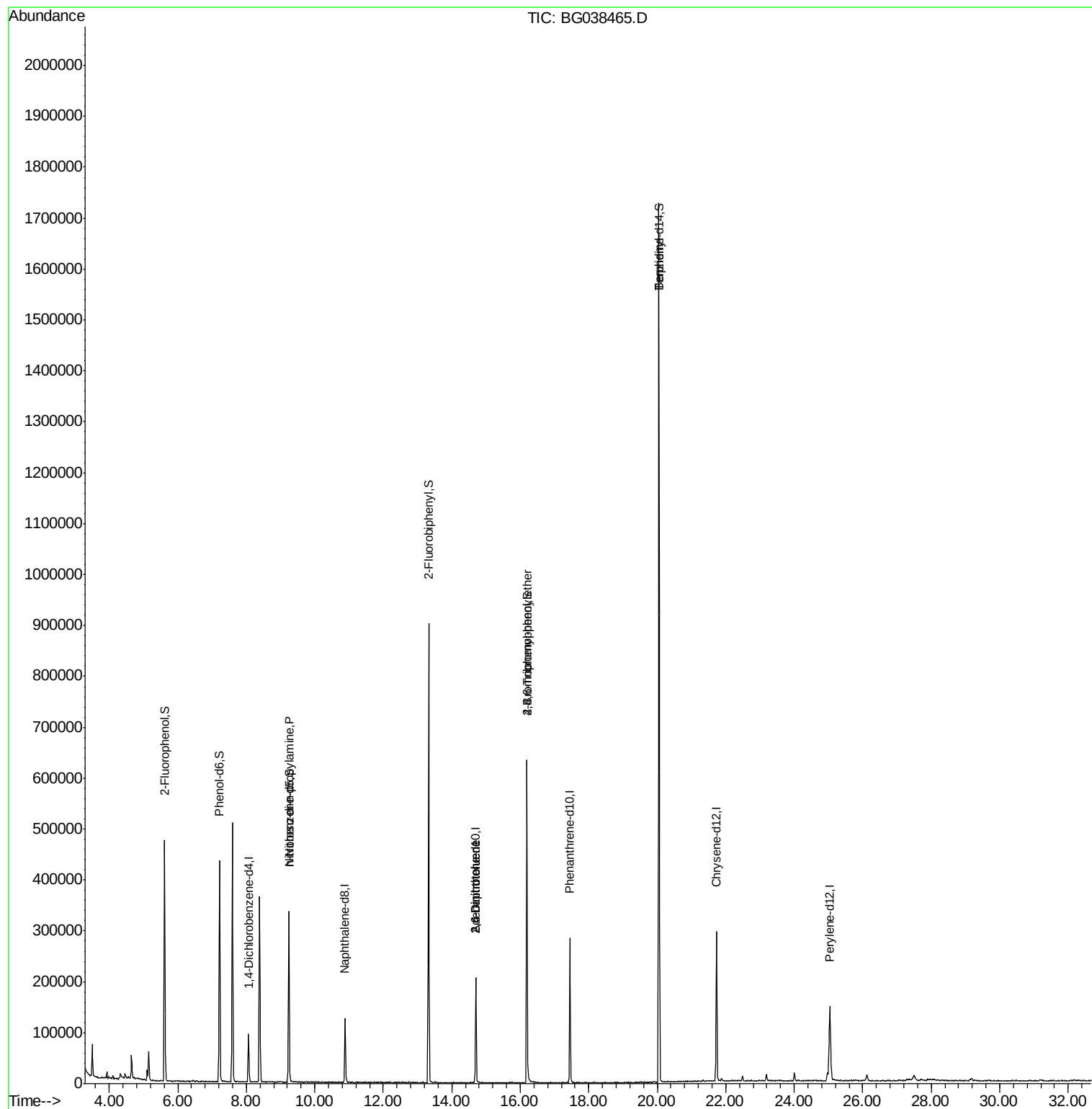
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	27265	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	112021	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	75151	20.00	ng	-0.01
64) Phenanthrene-d10	17.45	188	191329	20.00	ng	0.00
76) Chrysene-d12	21.73	240	191812	20.00	ng	-0.01
87) Perylene-d12	25.04	264	188081	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	197443	128.15	ng	0.00
7) Phenol-d6	7.22	99	243854	109.51	ng	0.00
23) Nitrobenzene-d5	9.25	82	201286	89.21	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	128405	139.18	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	477339	90.51	ng	0.00
79) Terphenyl-d14	20.05	244	872152	97.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	27144	15.382	ng	# 77
22) Acetophenone	8.91	105	57	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.70	165	9660	7.016	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	9660	5.087	ng	# 26
67) 4-Bromophenyl-phenylether	16.20	248	8356	4.044	ng	# 1
77) Benzidine	20.05	184	15594	2.409	ng	# 90

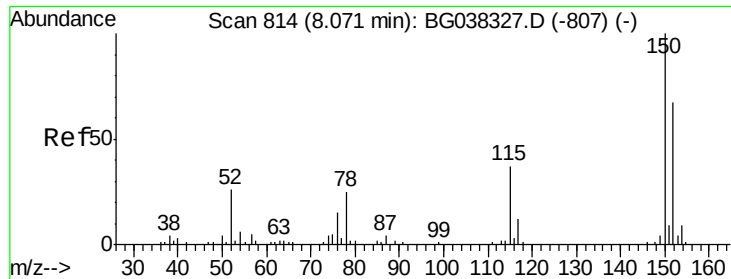
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



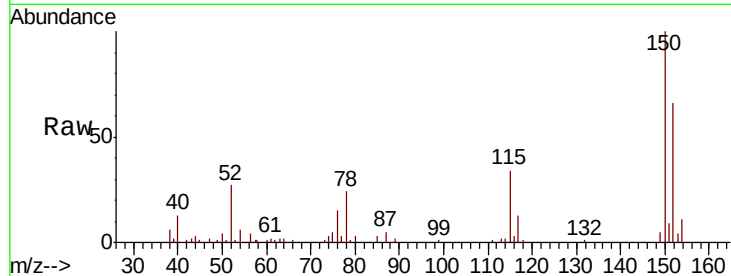


#1

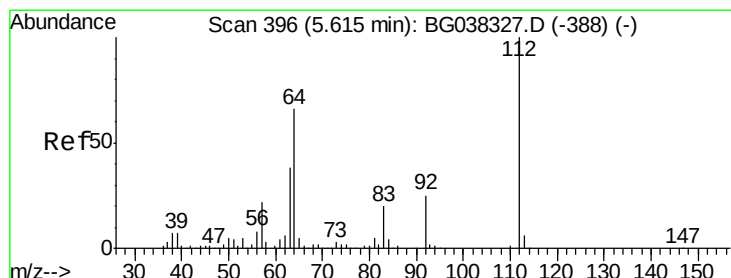
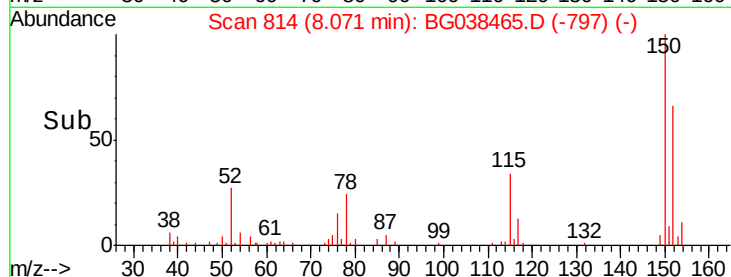
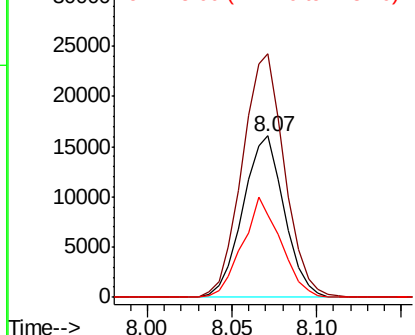
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27265
Ion Ratio Lower Upper
152 100
150 151.0 126.0 189.0
115 51.2 45.5 68.3



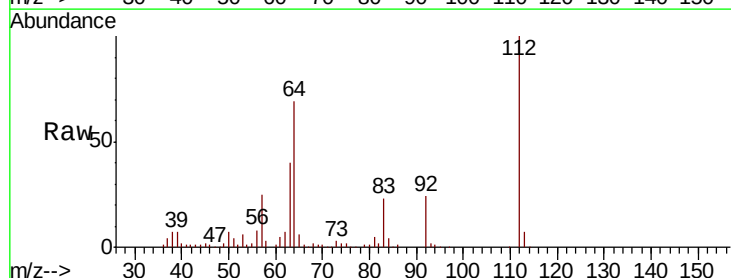
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



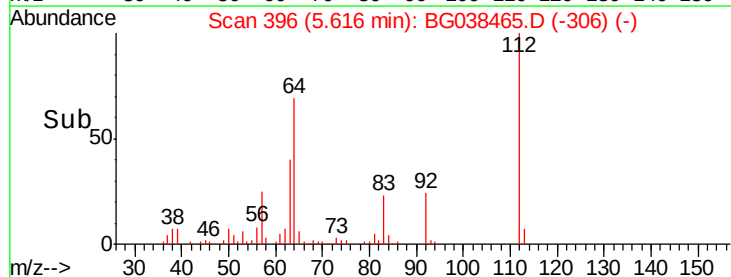
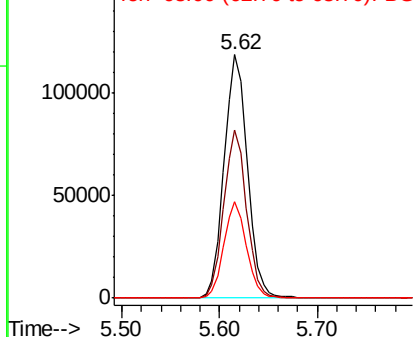
#5

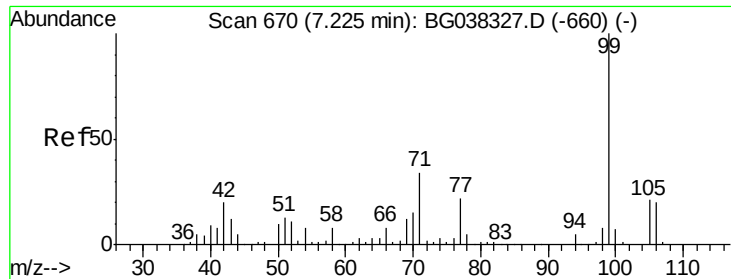
2-Fluorophenol
Concen: 128.151 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Tgt Ion:112 Resp: 197443
Ion Ratio Lower Upper
112 100
64 68.8 53.1 79.7
63 39.5 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: 109.507 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038465.D

Acq: 11 Dec 2018 10:43

Instrument :

BNA_G

ClientSampleId :

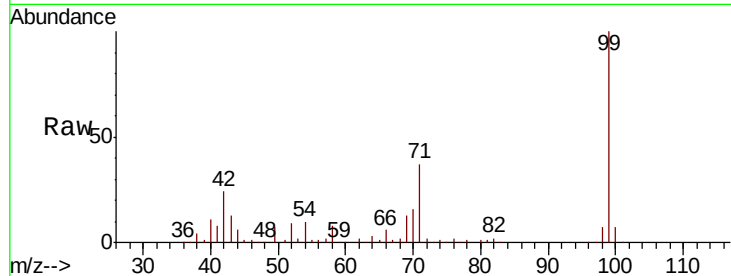
Tot Ion: 99 Resp: 243854

Ion Ratio Lower Upper

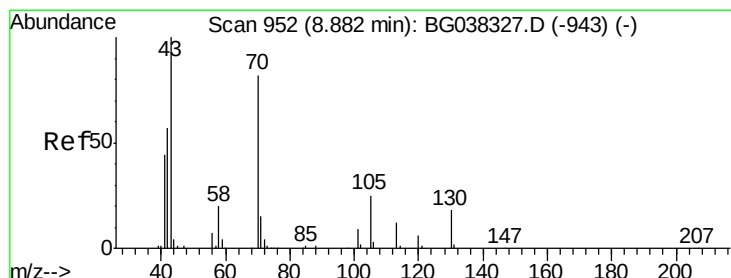
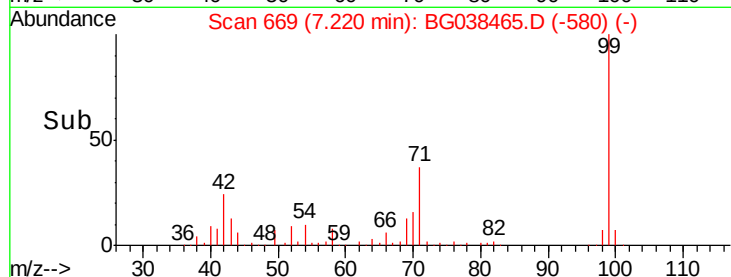
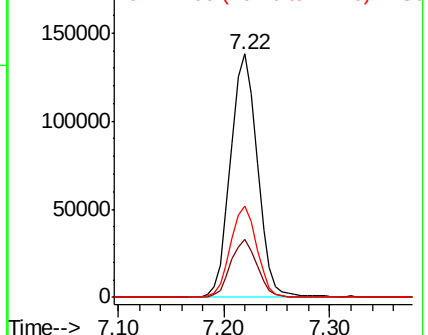
99 100

42 24.1 15.0 22.4#

71 37.3 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: 15.382 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038465.D

Acq: 11 Dec 2018 10:43

Tgt Ion: 70 Resp: 27144

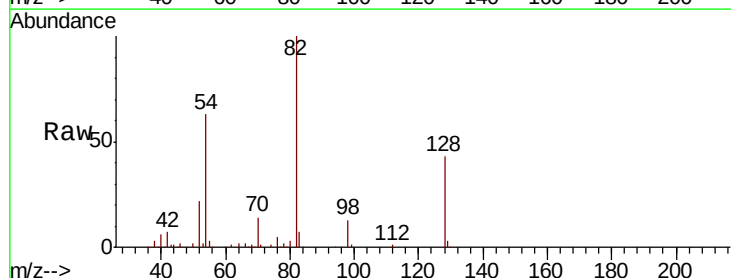
Ion Ratio Lower Upper

70 100

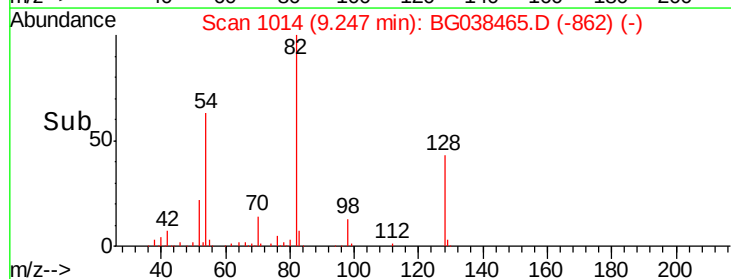
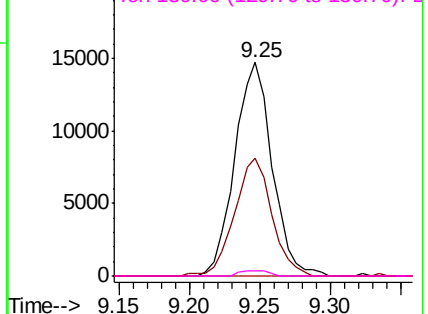
42 54.9 53.9 80.9

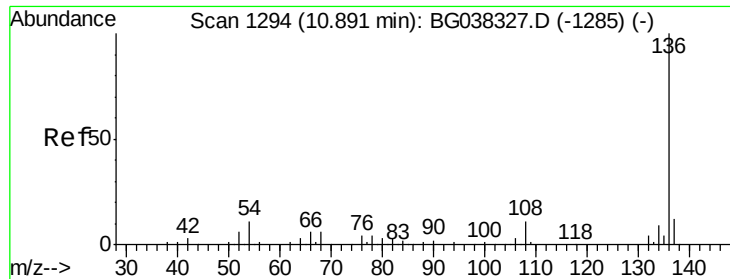
101 0.0 8.2 12.2#

130 2.3 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

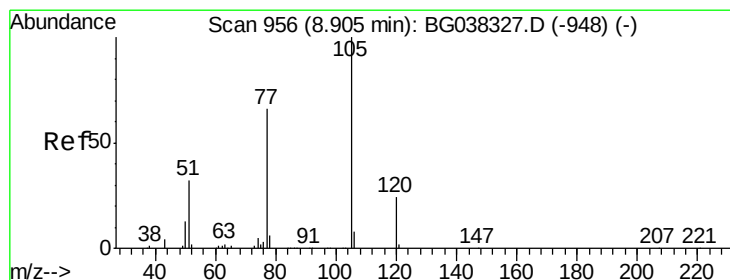
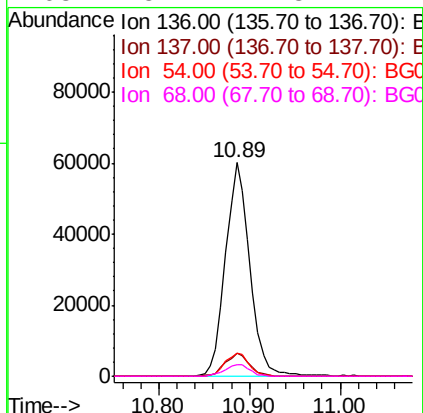
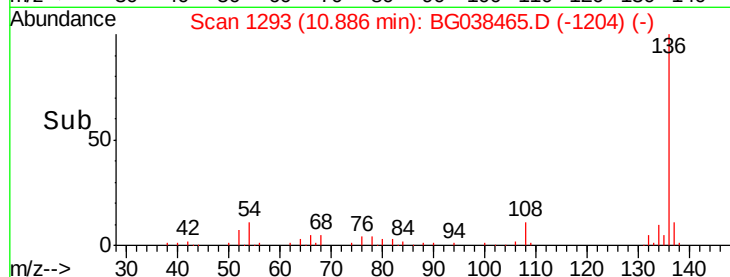
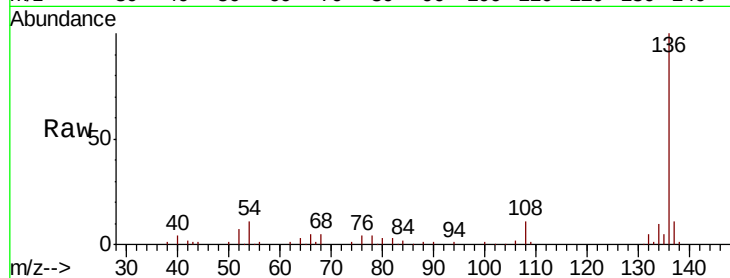




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

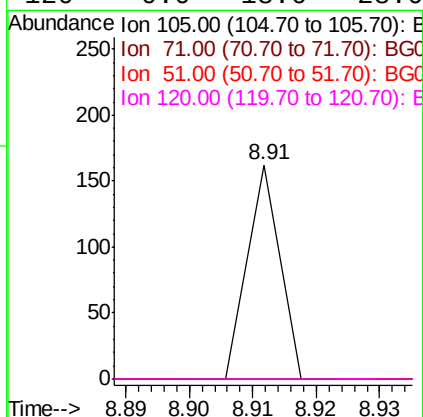
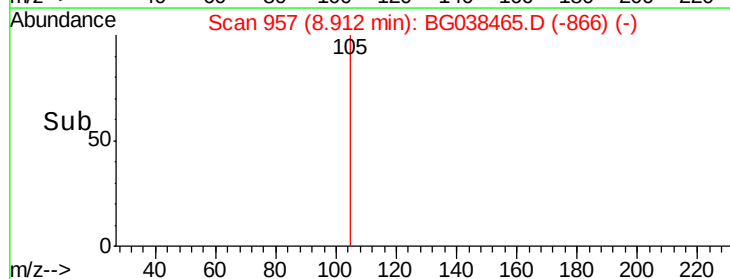
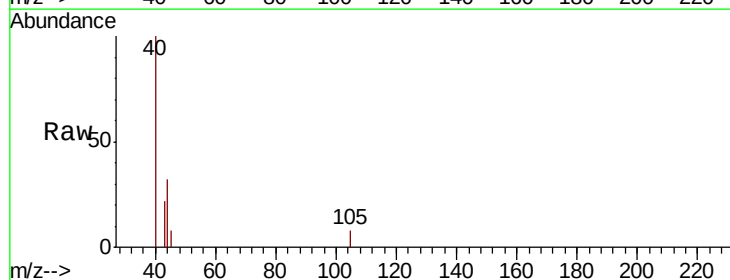
Instrument :
BNA_G
ClientSampleId :

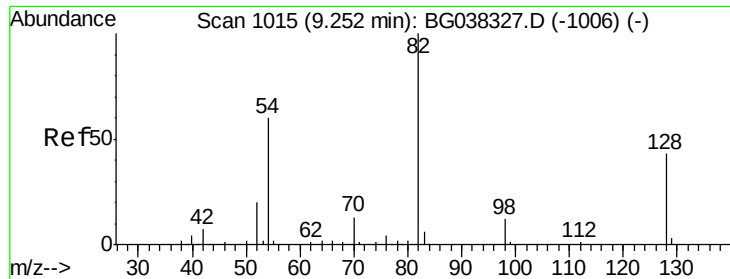
Tot Ion:136	Resp:	112021
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.6 14.4
54	10.8	7.9 11.9
68	5.2	4.8 7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.91 min Scan# 957
Delta R.T. 0.01 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Tgt Ion:105	Resp:	57
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#

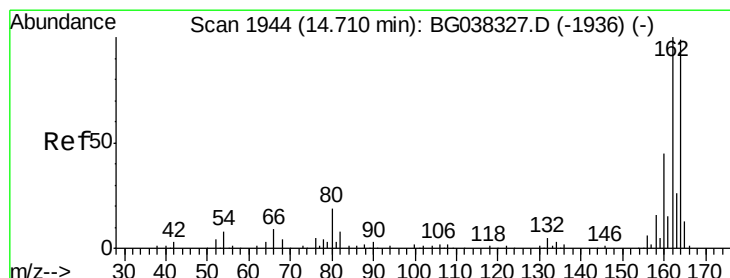
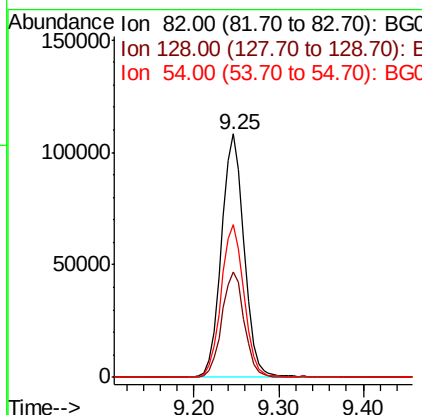
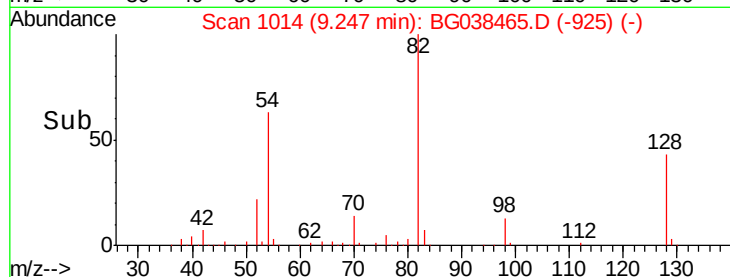
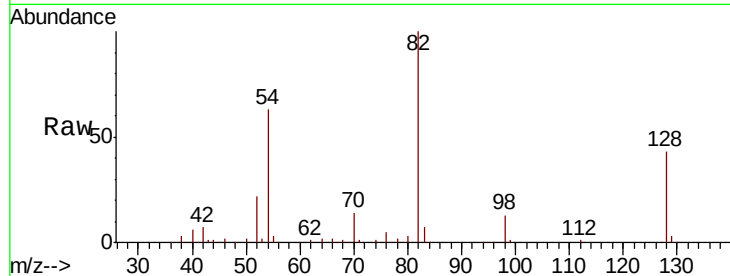




#23
 Nitrobenzene-d5
 Concen: 89.210 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

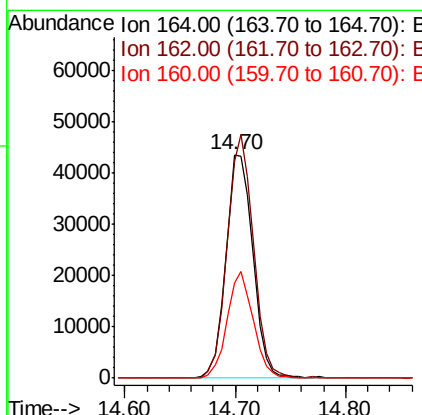
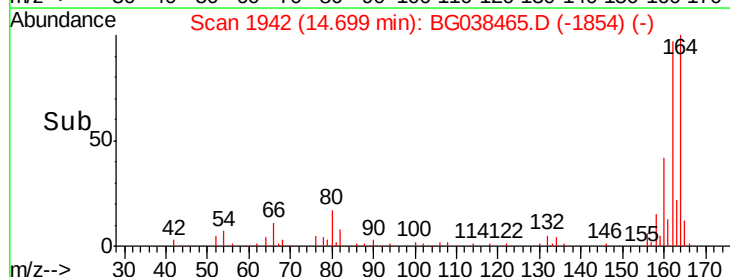
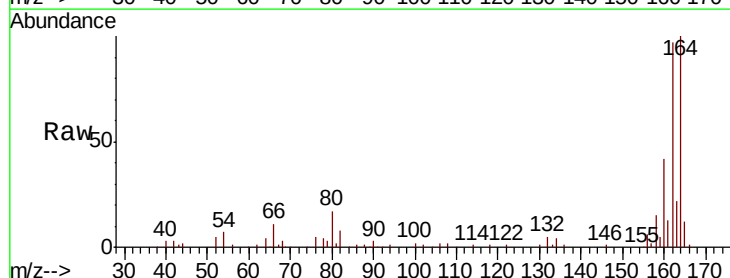
Instrument :
 BNA_G
 ClientSampled :

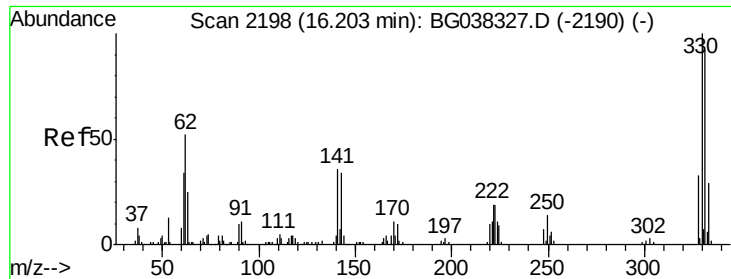
Tot Ion	82	Resp	201286
Ion Ratio	100	Lower	Upper
128	43.4	34.6	51.8
54	62.7	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

Tgt Ion	164	Resp	75151
Ion Ratio	100	Lower	Upper
162	97.0	81.3	121.9
160	42.4	36.3	54.5

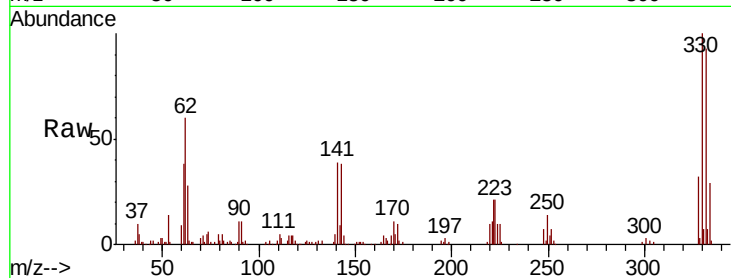




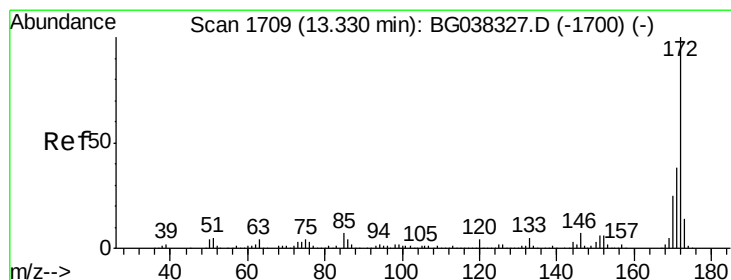
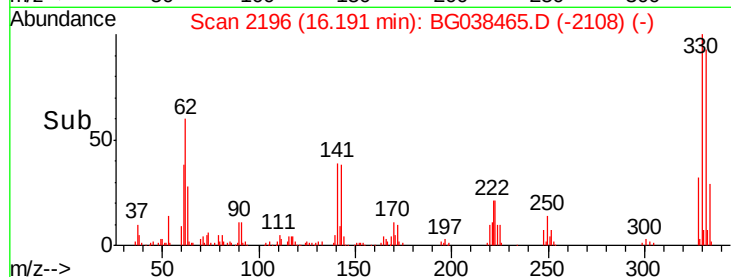
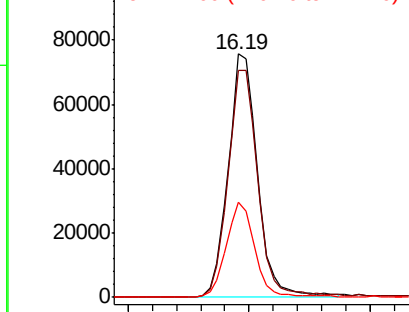
#42
 2,4,6-Tribromophenol
 Concen: 139.182 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.4	117.6
141	38.2	32.2	48.2

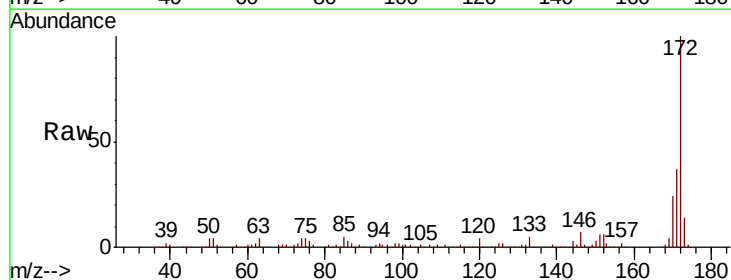


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

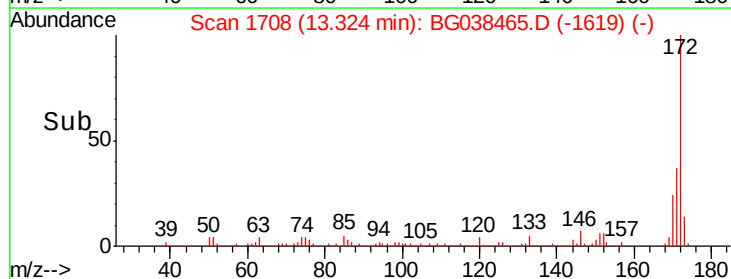
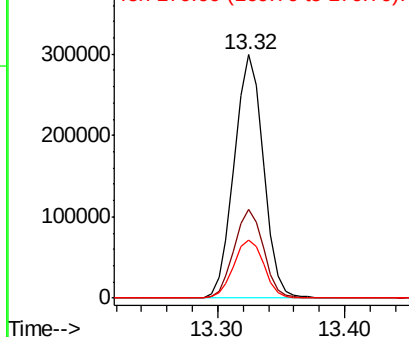


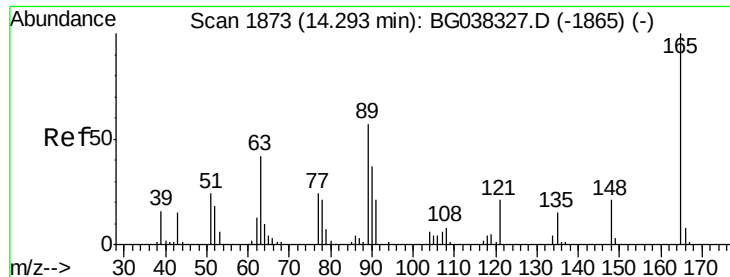
#45
 2-Fluorobiphenyl
 Concen: 90.507 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.0	46.4
170	23.9	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

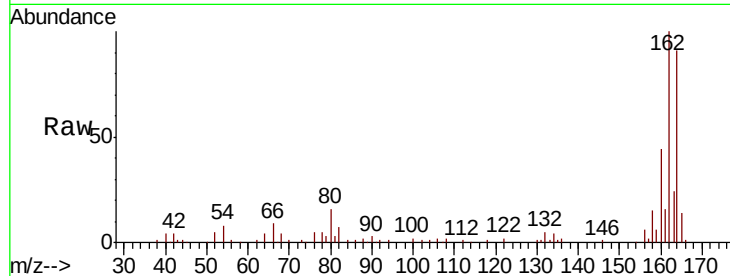




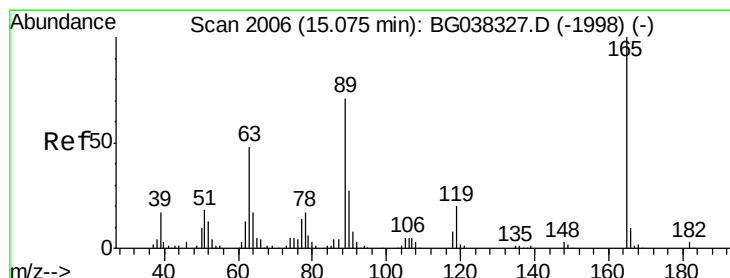
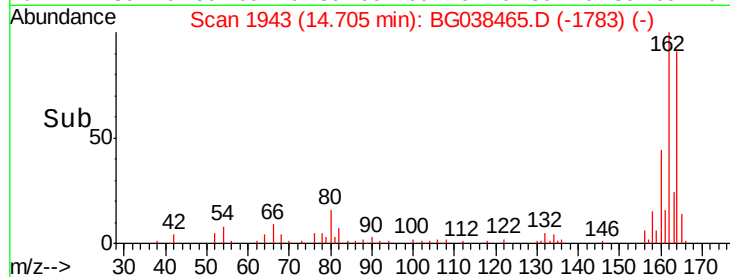
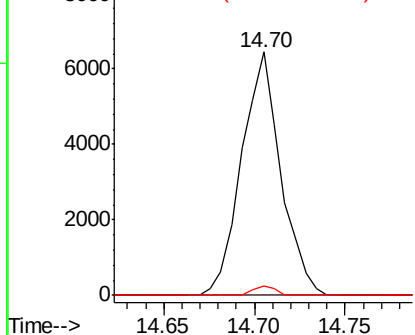
#51
 2,6-Dinitrotoluene
 Concen: 7.016 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	3.6	45.8	68.6#



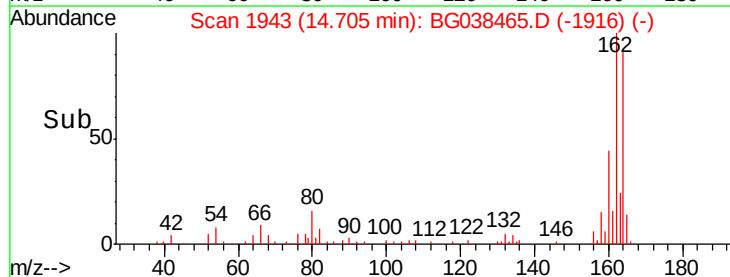
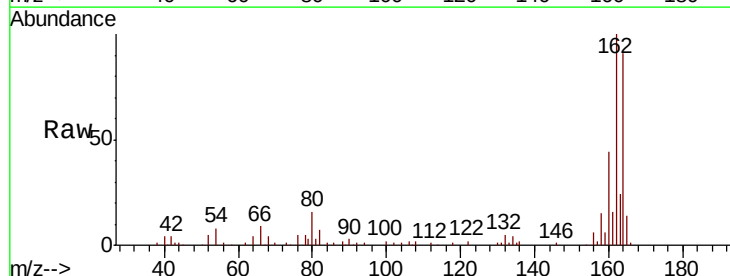
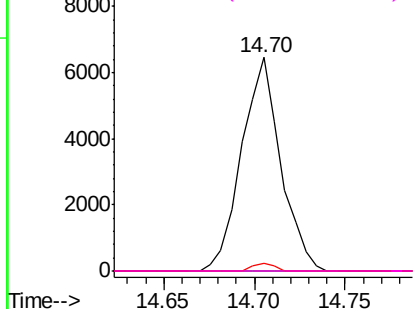
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

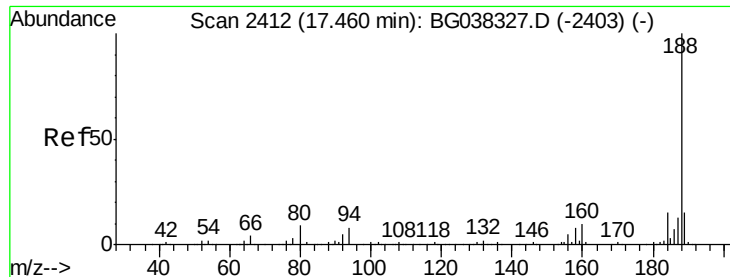


#57
 2,4-Dinitrotoluene
 Concen: 5.087 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038465.D
 Acq: 11 Dec 2018 10:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	3.6	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

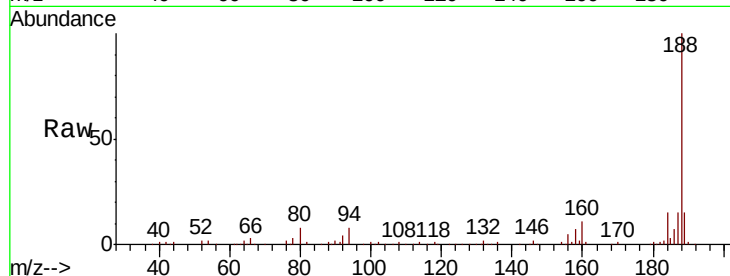




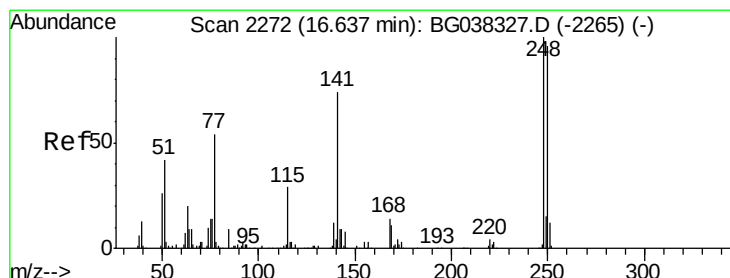
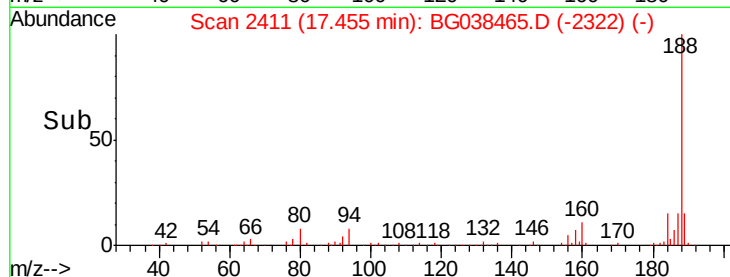
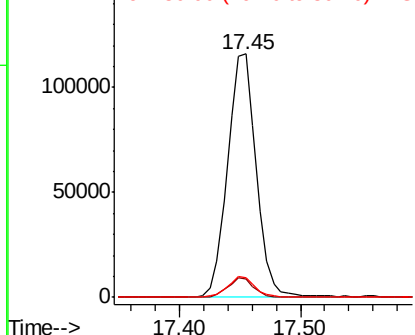
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 191329
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 8.2 7.7 11.5

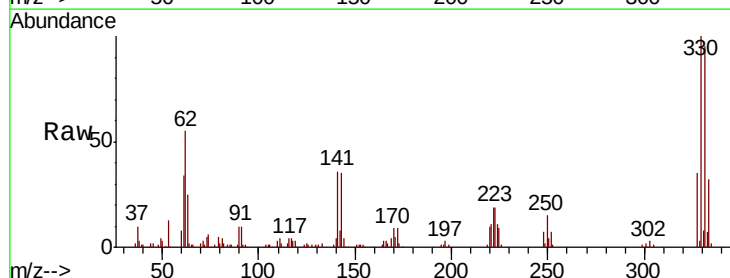


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

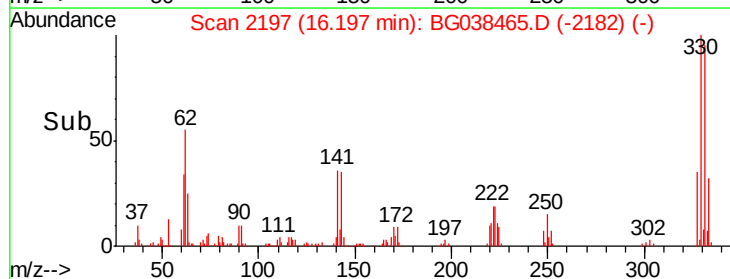
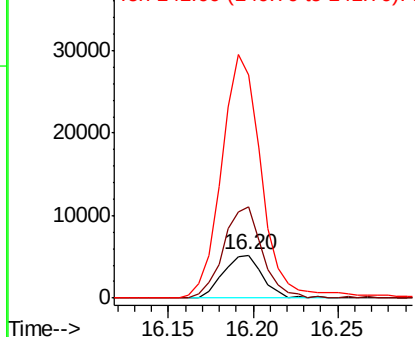


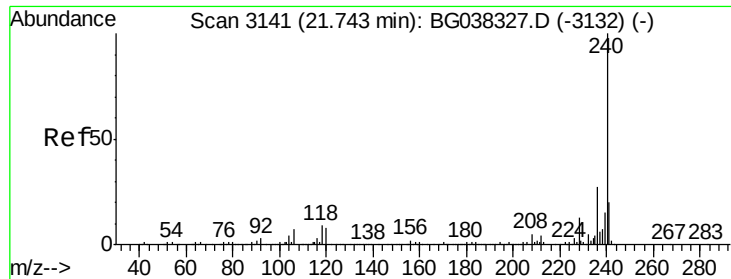
#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.44 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Tgt Ion:248 Resp: 8356
Ion Ratio Lower Upper
248 100
250 201.1 77.0 115.6#
141 387.1 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

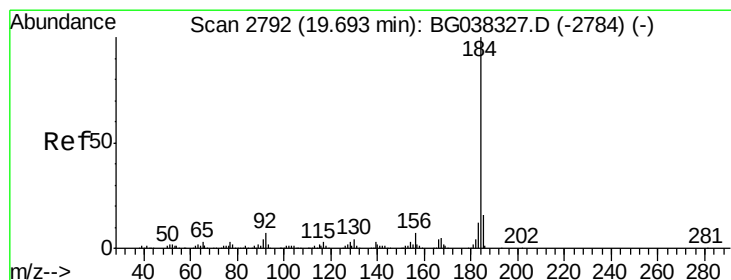
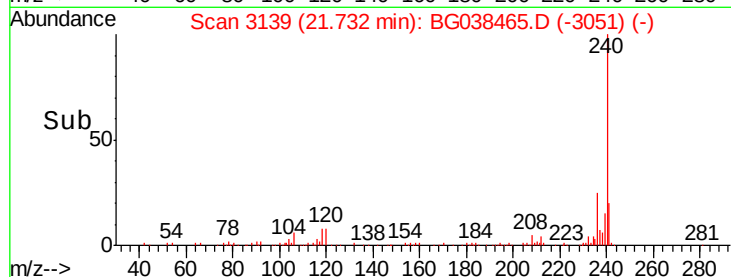
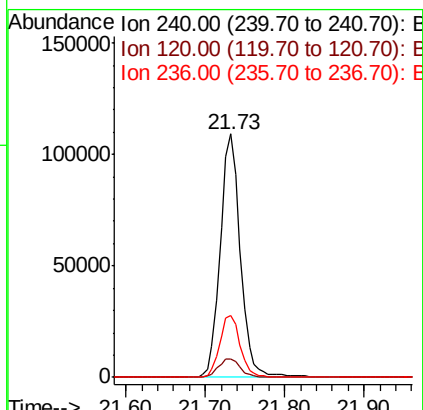
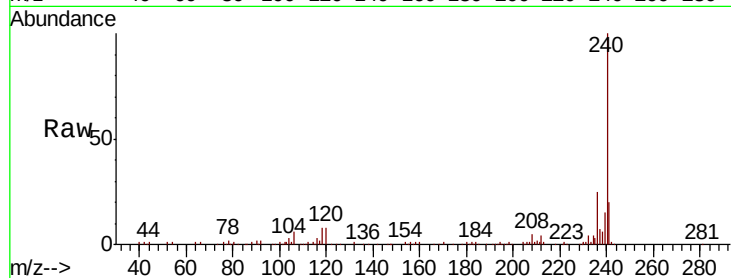




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

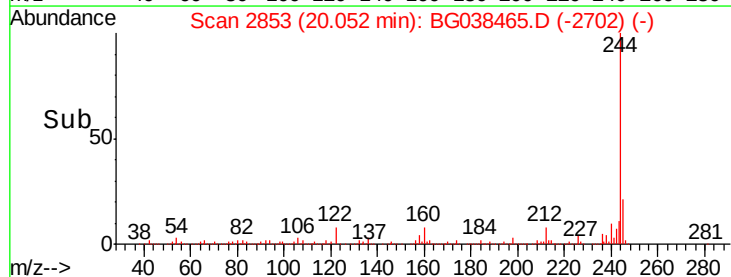
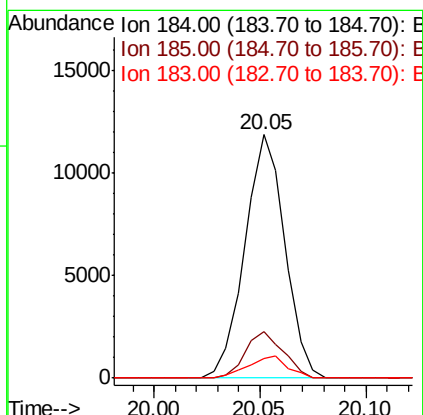
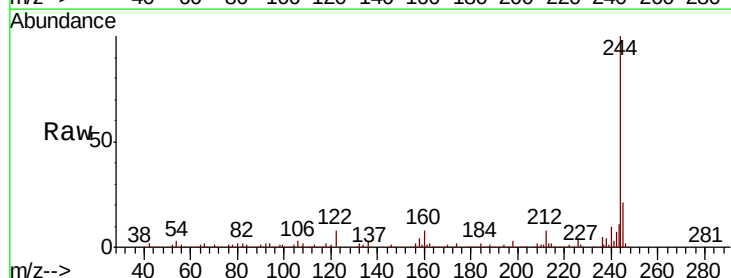
Instrument :
BNA_G
ClientSampled :

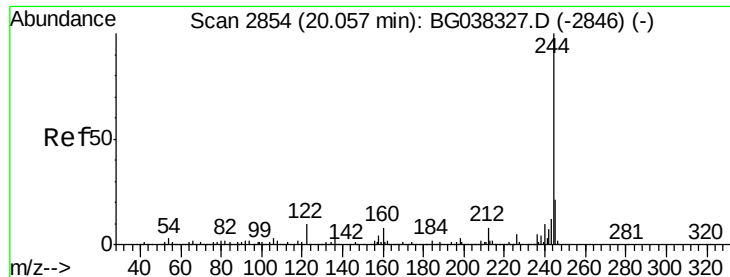
Tot Ion:240 Resp: 191812
Ion Ratio Lower Upper
240 100
120 7.5 8.1 12.1#
236 25.5 21.4 32.0



#77
Benzidine
Concen: 2.409 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038465.D
Acq: 11 Dec 2018 10:43

Tgt Ion:184 Resp: 15594
Ion Ratio Lower Upper
184 100
185 18.9 12.6 18.8#
183 7.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 97.407 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038465.D

Acq: 11 Dec 2018 10:43

Instrument :

BNA_G

ClientSampleId :

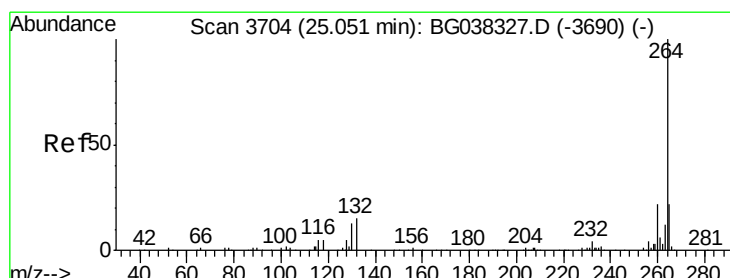
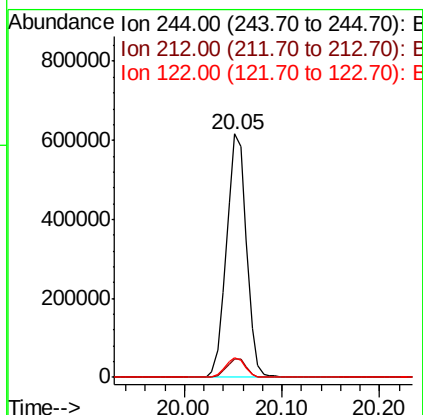
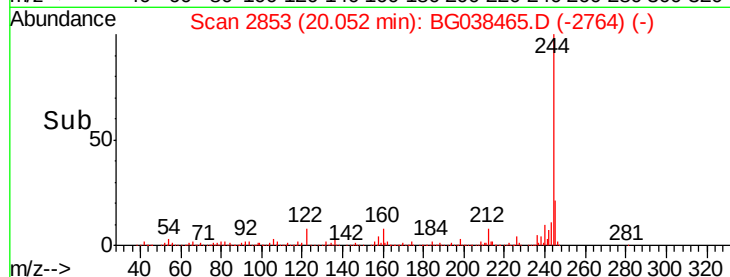
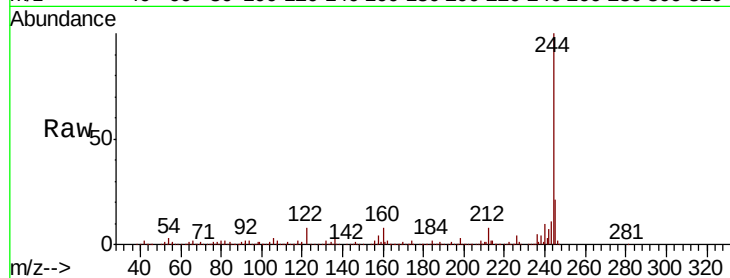
Tot Ion:244 Resp: 872152

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 8.1 9.0 13.4#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038465.D

Acq: 11 Dec 2018 10:43

Tgt Ion:264 Resp: 188081

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.6 17.9 26.9

