

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039097.D
 Acq On : 11 Jan 2019 22:42
 Operator : JU/SJ
 Sample : K1100-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 00:29:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

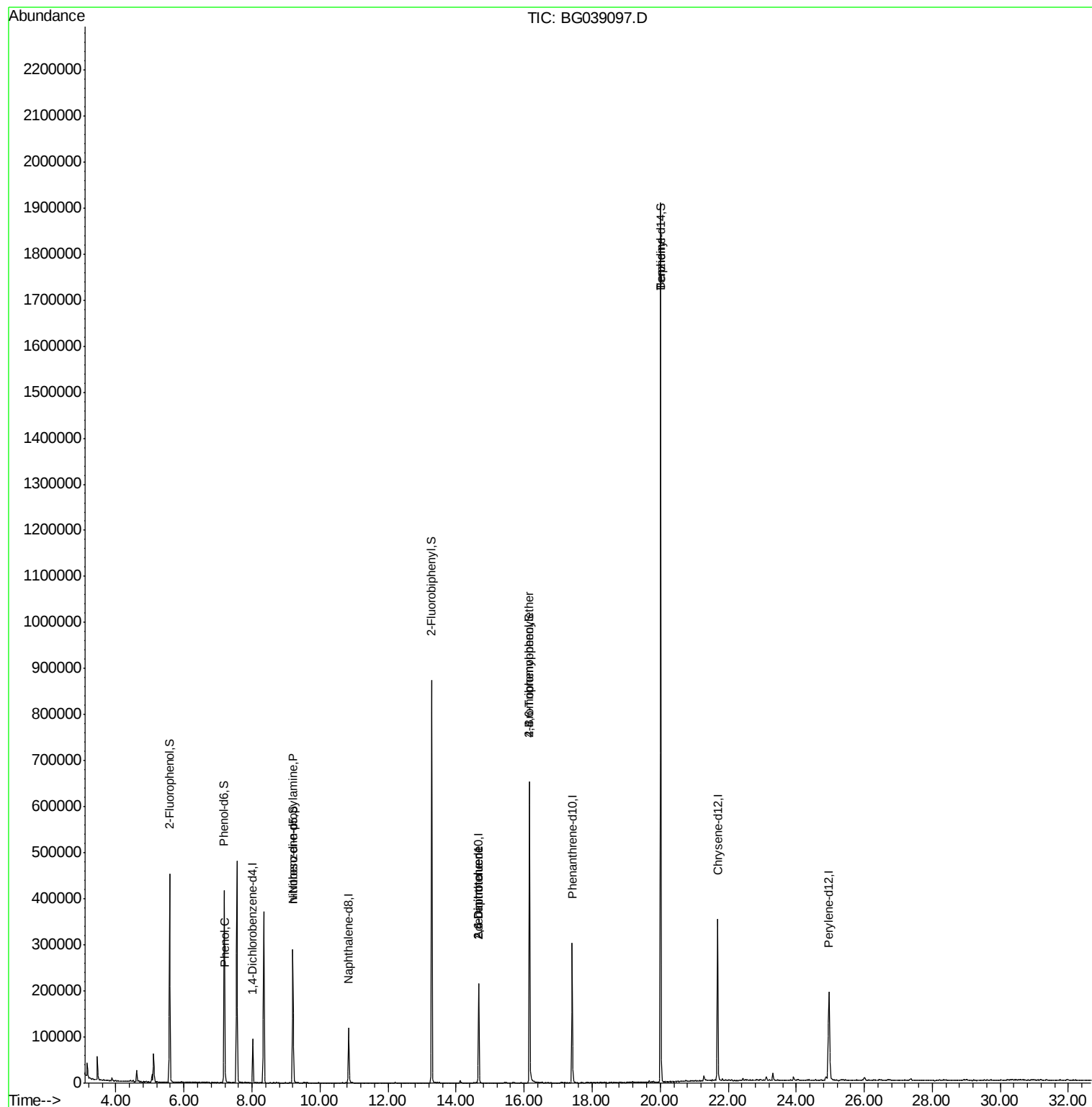
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	28204	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	111905	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	80270	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	205239	20.00	ng	0.00
76) Chrysene-d12	21.69	240	228796	20.00	ng	-0.01
87) Perylene-d12	24.96	264	235844	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	212340	142.82	ng	0.00
7) Phenol-d6	7.18	99	257541	120.36	ng	0.00
23) Nitrobenzene-d5	9.20	82	187361	91.62	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	148049	110.03	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	489639	83.48	ng	0.00
79) Terphenyl-d14	20.02	244	963738	77.92	ng	0.00
Target Compounds						
10) Phenol	7.21	94	6575	3.065	ng	# 74
19) n-Nitroso-di-n-propylamine	9.20	70	24229	17.244	ng	# 65
51) 2,6-Dinitrotoluene	14.66	165	10103	6.662	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	10103	4.643	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	9937	3.767	ng	# 1
77) Benzidine	20.02	184	15237	2.177	ng	# 95

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

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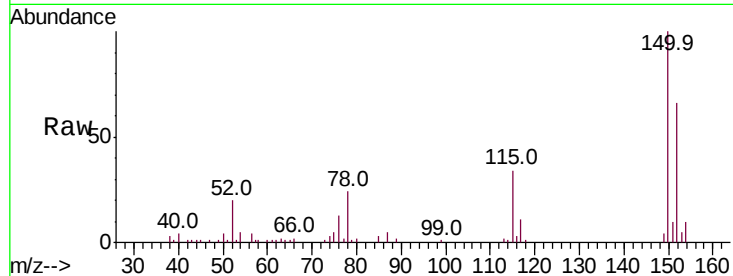


#1

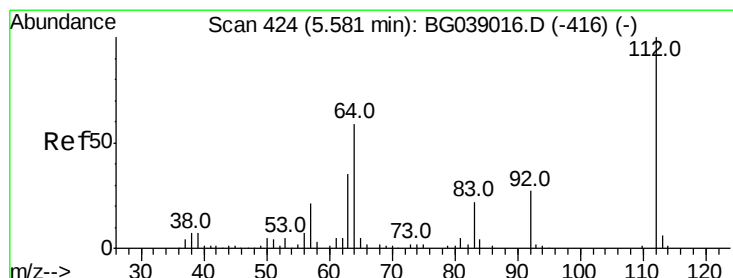
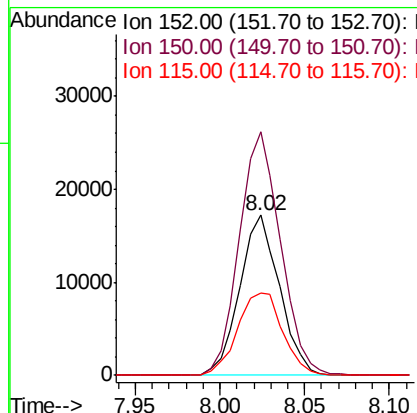
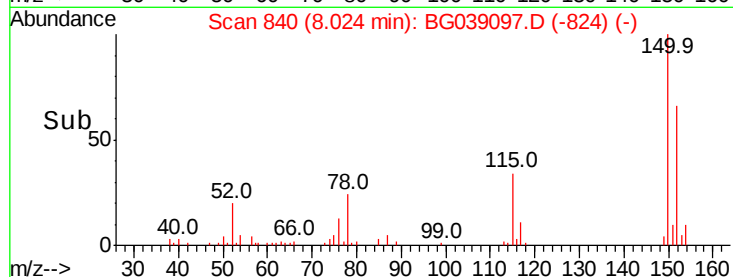
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28204
Ion Ratio Lower Upper
152 100
150 152.3 124.7 187.1
115 51.6 46.5 69.7



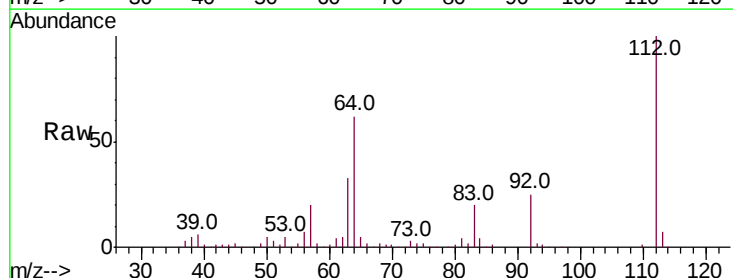
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



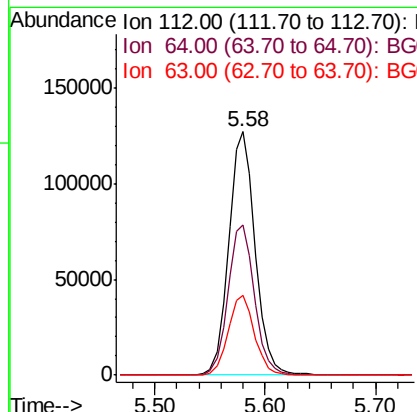
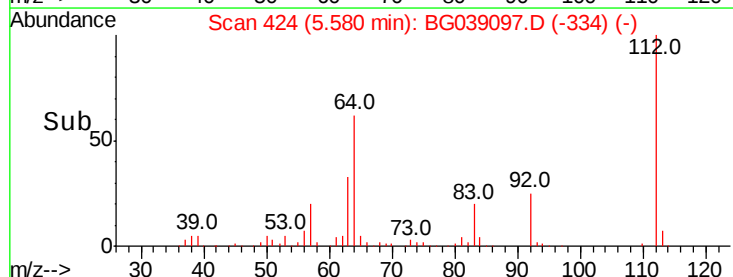
#5

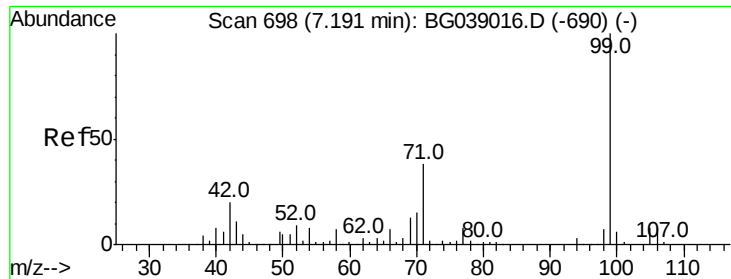
2-Fluorophenol
Concen: 142.818 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

Tgt Ion:112 Resp: 212340
Ion Ratio Lower Upper
112 100
64 61.9 47.0 70.6
63 32.6 28.0 42.0



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: 120.365 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

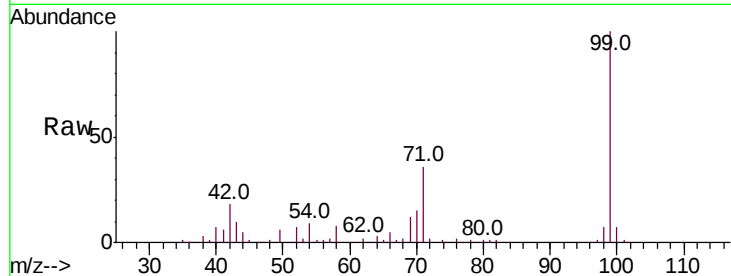
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 257541

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	35.5	30.2	45.4

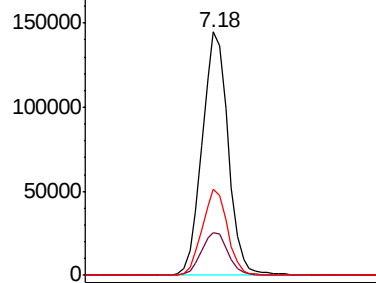


Abundance

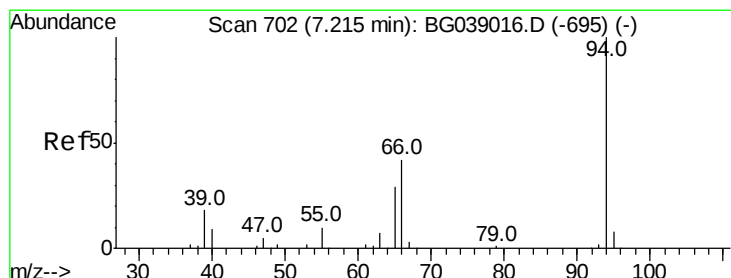
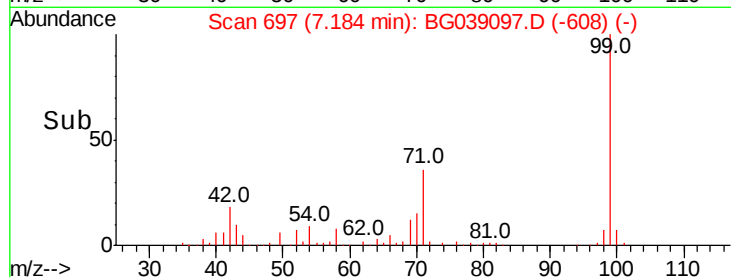
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#10

Phenol

Concen: 3.065 ng

RT: 7.21 min Scan# 701

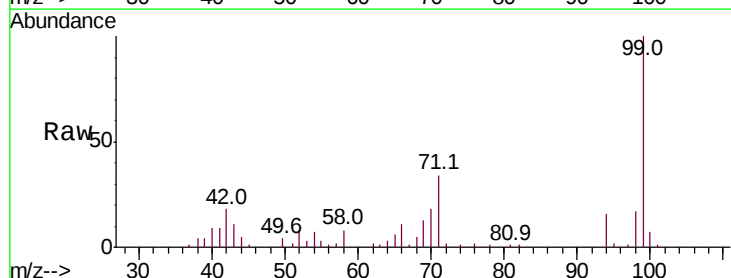
Delta R.T. -0.01 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

Tgt Ion: 94 Resp: 6575

Ion	Ratio	Lower	Upper
94	100		
65	36.0	10.3	50.3
66	68.7	25.1	65.1#

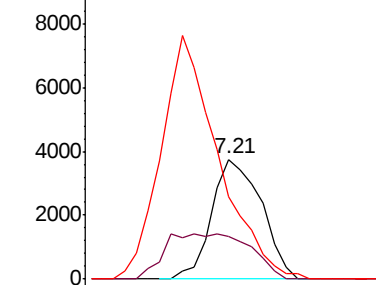


Abundance

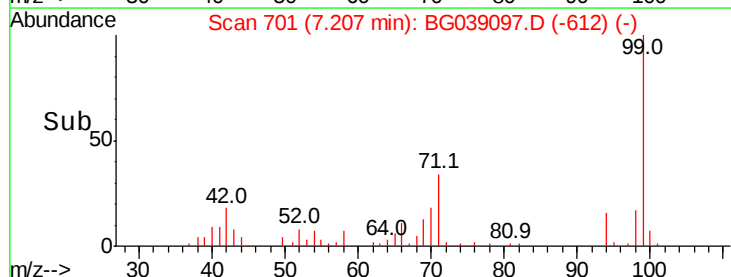
Ion 94.00 (93.70 to 94.70): BGC

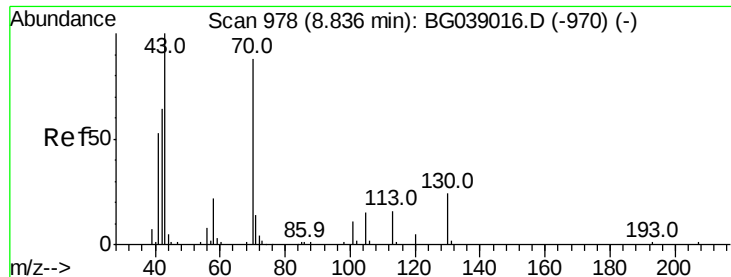
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



Time-->

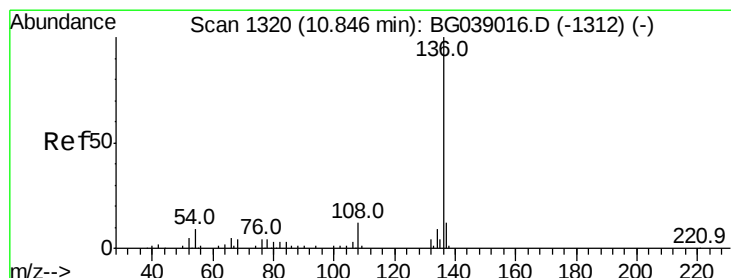
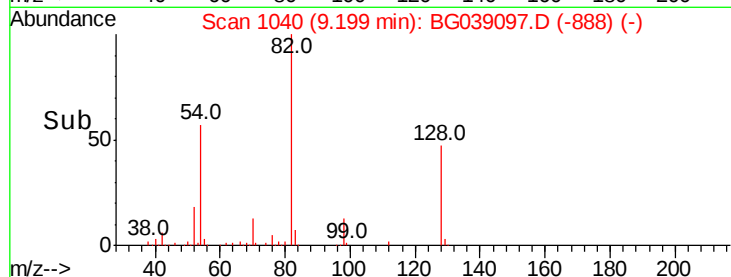
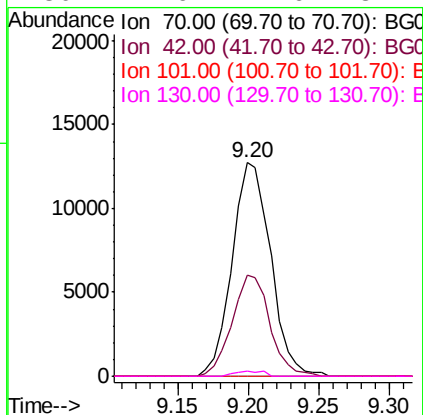
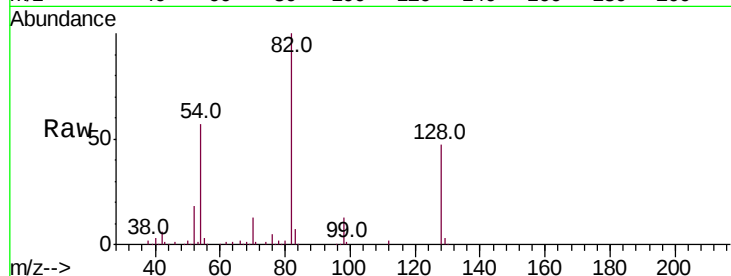




#19
n-Nitroso-di-n-propylamine
Concen: 17.244 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.36 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

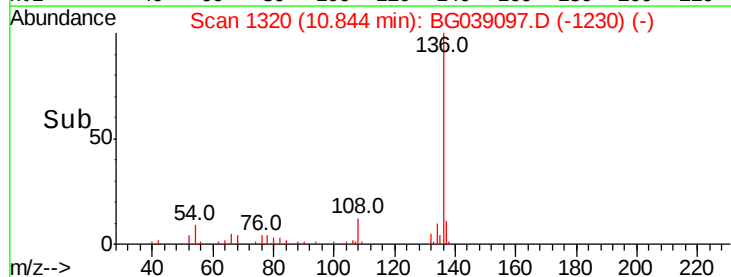
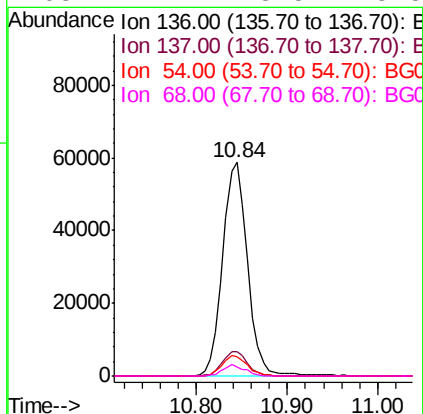
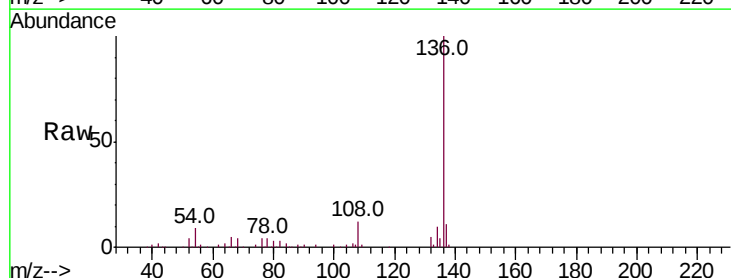
Instrument :
BNA_G
ClientSampleId :

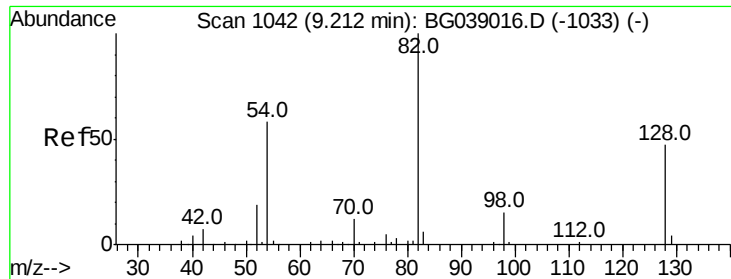
Tot Ion: 70 Resp: 24229
Ion Ratio Lower Upper
70 100
42 47.4 59.0 88.4#
101 0.0 10.4 15.6#
130 2.6 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

Tgt Ion: 136 Resp: 111905
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 9.2 7.2 10.8
68 4.2 3.5 5.3

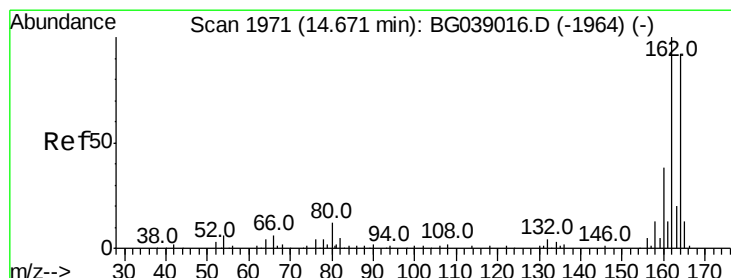
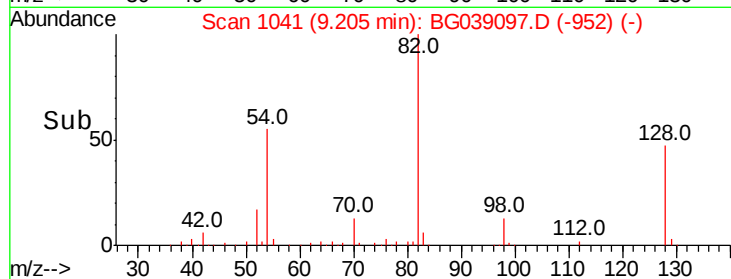
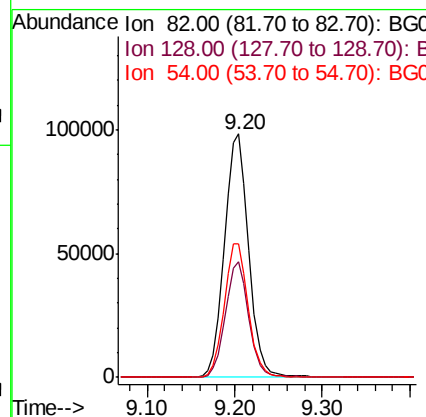
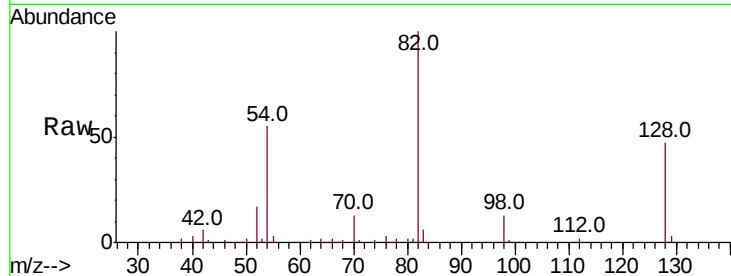




#23
 Nitrobenzene-d5
 Concen: 91.616 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

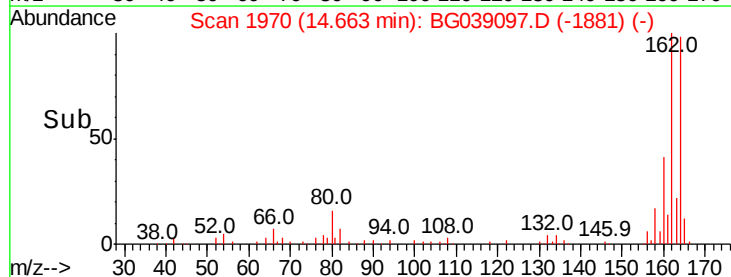
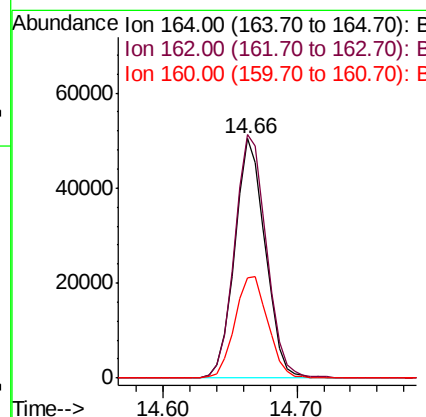
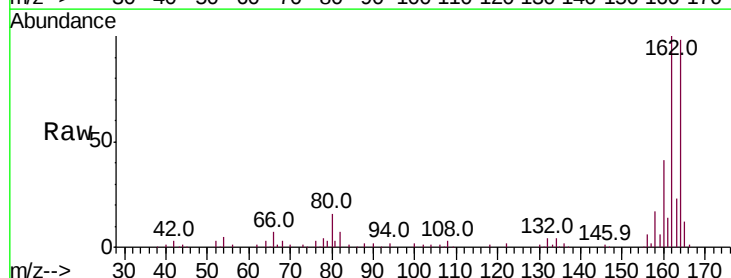
Instrument :
 BNA_G
 ClientSampled :

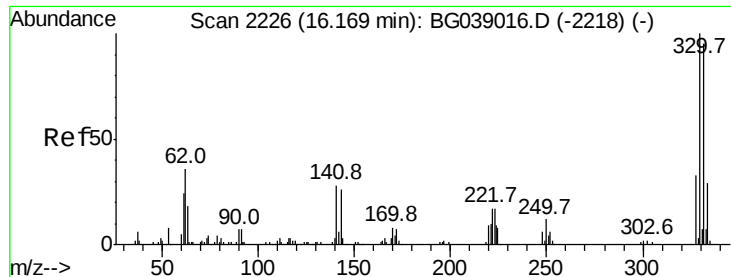
Tot Ion: 82 Resp: 187361
 Ion Ratio Lower Upper
 82 100
 128 47.4 37.3 55.9
 54 55.0 46.4 69.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

Tgt Ion: 164 Resp: 80270
 Ion Ratio Lower Upper
 164 100
 162 101.7 87.2 130.8
 160 41.8 33.3 49.9

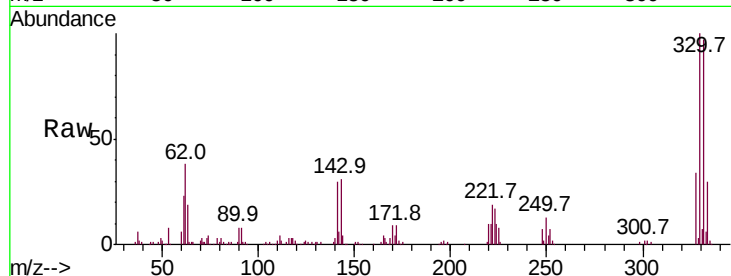




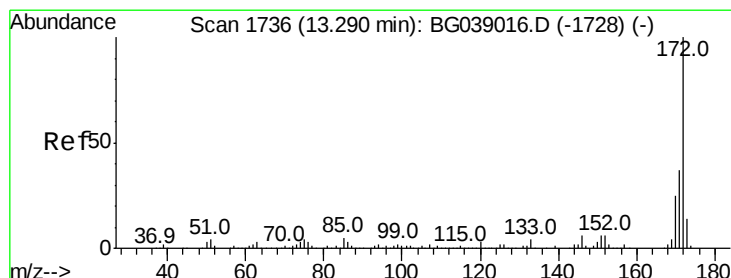
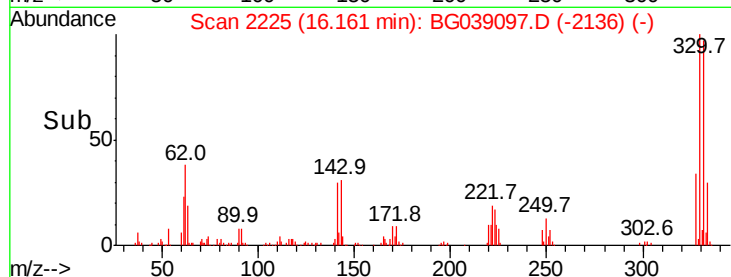
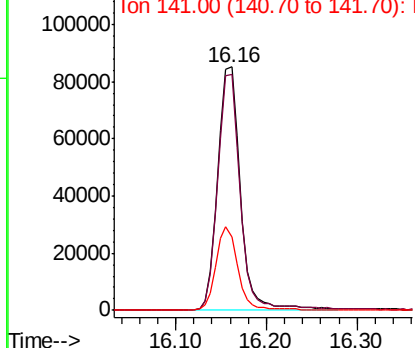
#42
 2,4,6-Tribromophenol
 Concen: 110.029 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	75.7	113.5
141	33.3	24.9	37.3

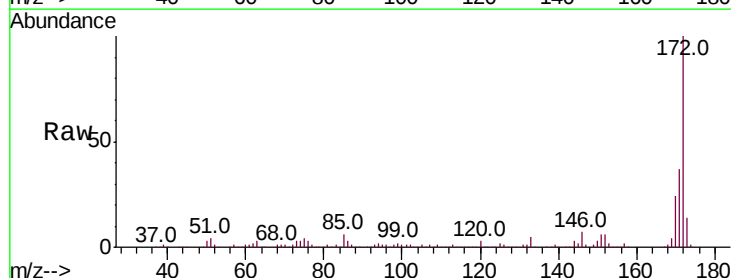


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

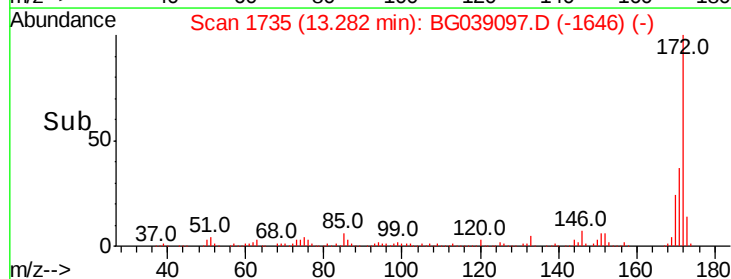
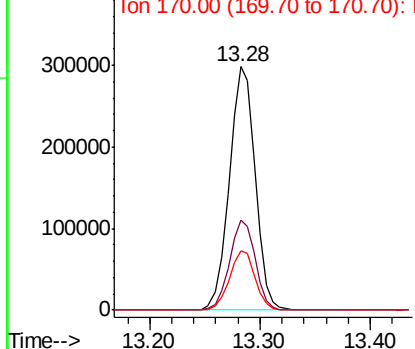


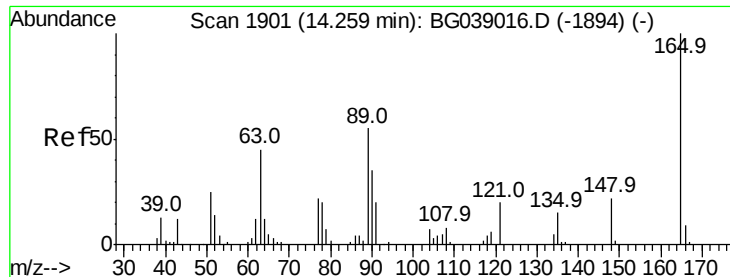
#45
 2-Fluorobiphenyl
 Concen: 83.481 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	24.2	20.1	30.1



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

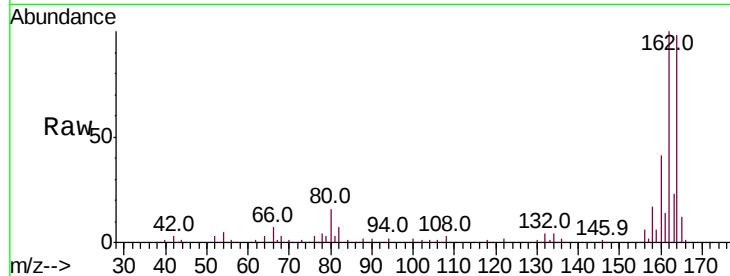




#51
 2,6-Dinitrotoluene
 Concen: 6.662 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

Instrument :
 BNA_G
 ClientSampleId :

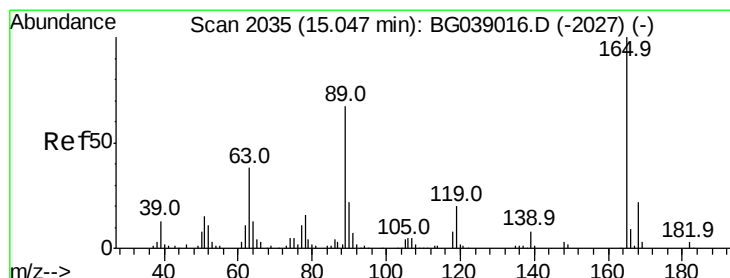
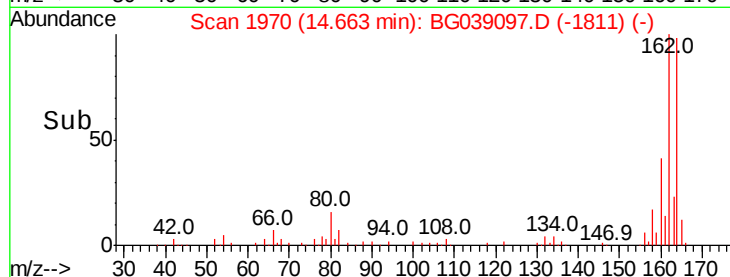
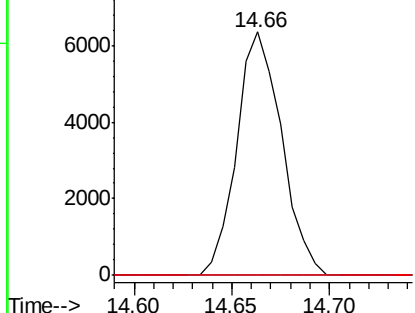
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#



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: 4.643 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039097.D
 Acq: 11 Jan 2019 22:42

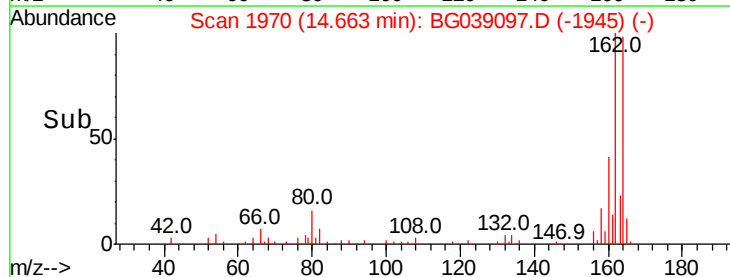
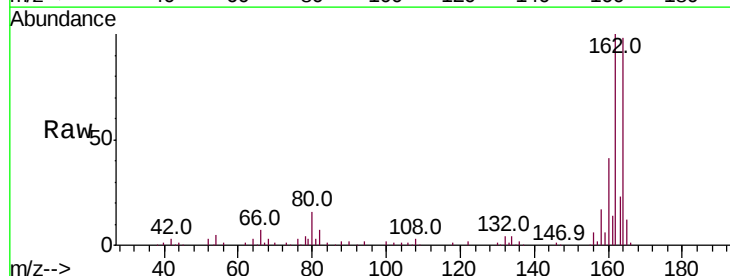
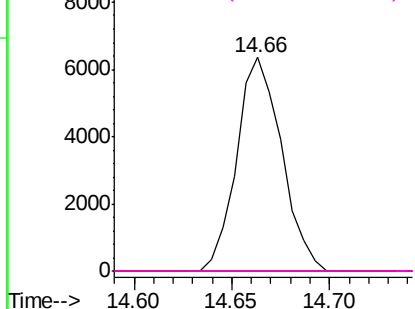
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#

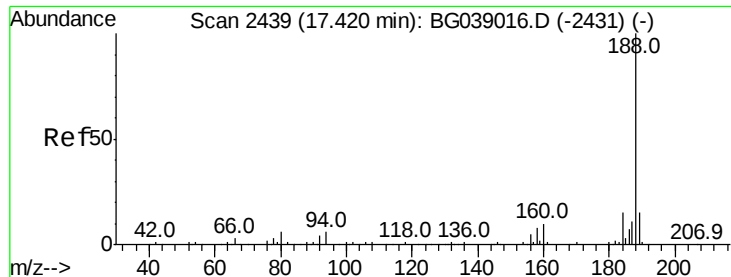
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

Instrument :

BNA_G

ClientSampleId :

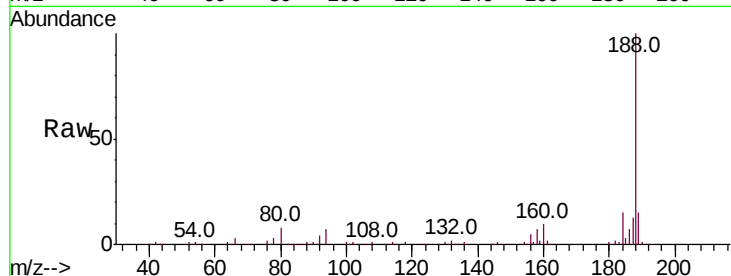
Tot Ion:188 Resp: 205239

Ion Ratio Lower Upper

188 100

94 7.1 5.0 7.4

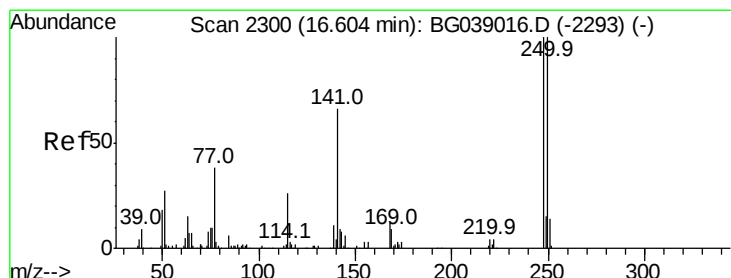
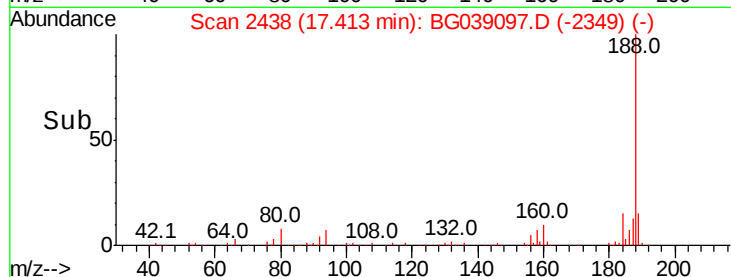
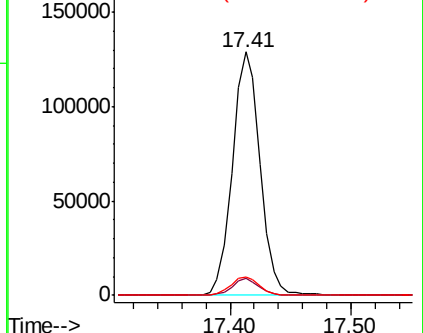
80 7.7 4.7 7.1#



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: 3.767 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

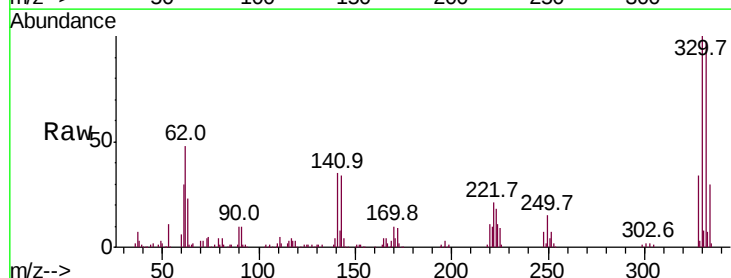
Tgt Ion:248 Resp: 9937

Ion Ratio Lower Upper

248 100

250 194.7 79.9 119.9#

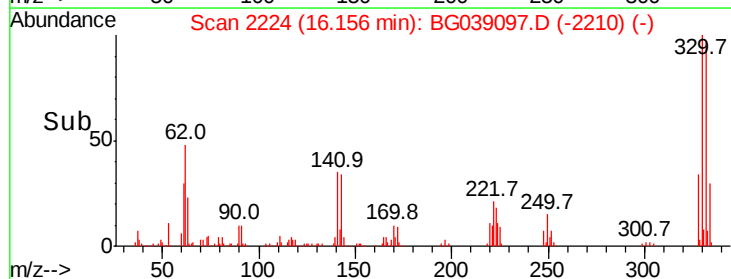
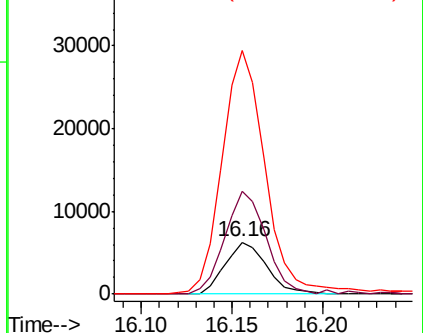
141 359.3 52.7 79.1#

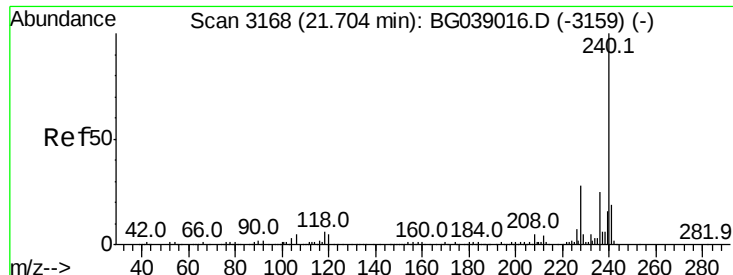


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

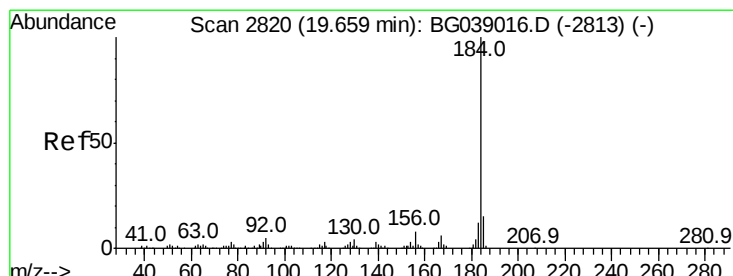
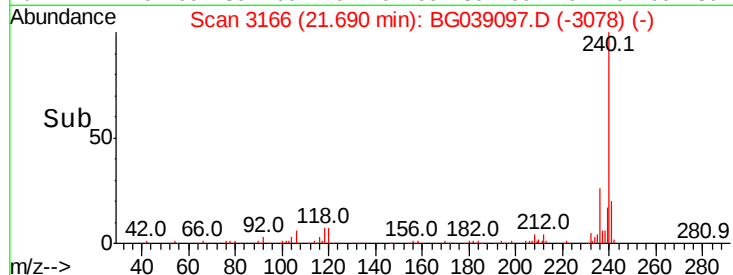
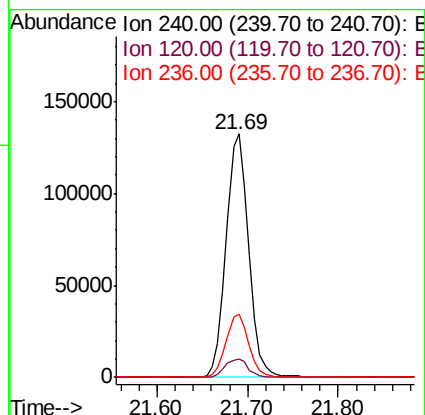
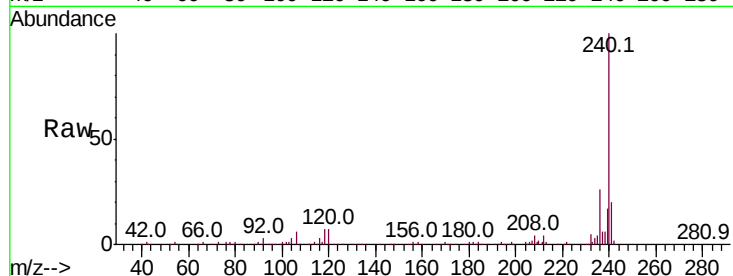




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

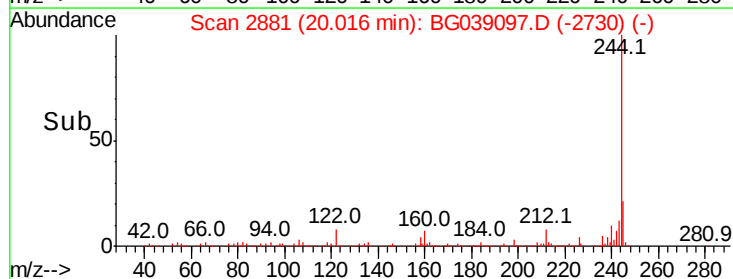
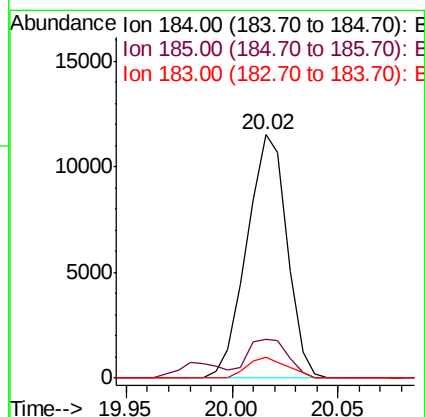
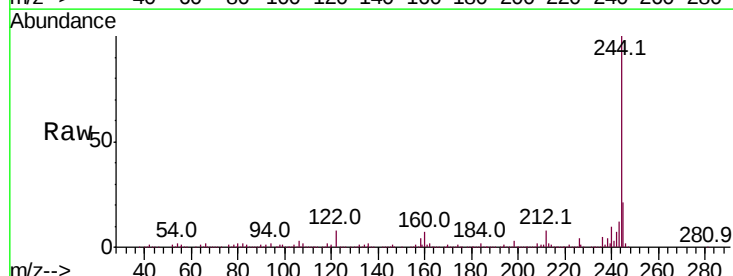
Instrument :
BNA_G
ClientSampleId :

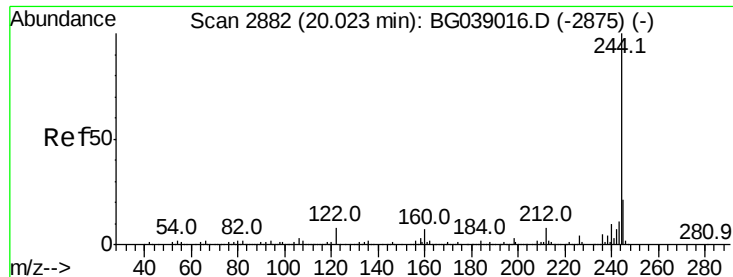
Tot Ion:240 Resp: 228796
Ion Ratio Lower Upper
240 100
120 7.3 4.3 6.5#
236 26.0 20.1 30.1



#77
Benzidine
Concen: 2.177 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039097.D
Acq: 11 Jan 2019 22:42

Tgt Ion:184 Resp: 15237
Ion Ratio Lower Upper
184 100
185 15.9 12.1 18.1
183 8.6 9.5 14.3#





#79

Terphenyl-d14

Concen: 77.921 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

Instrument :

BNA_G

ClientSampleId :

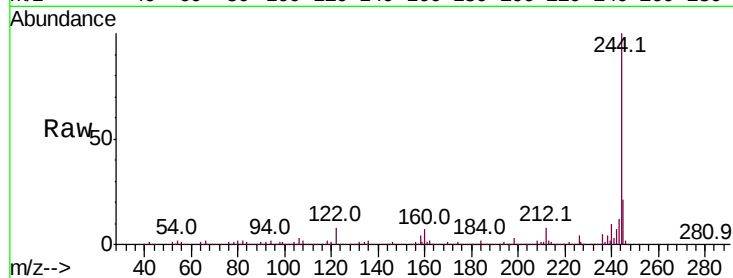
Tot Ion:244 Resp: 963738

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

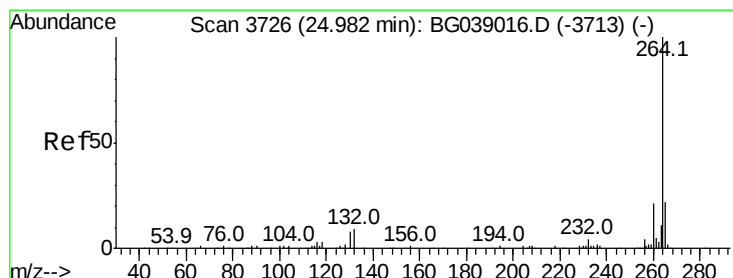
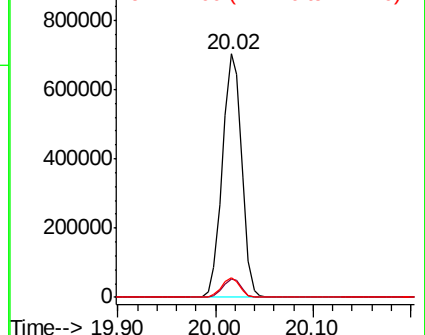
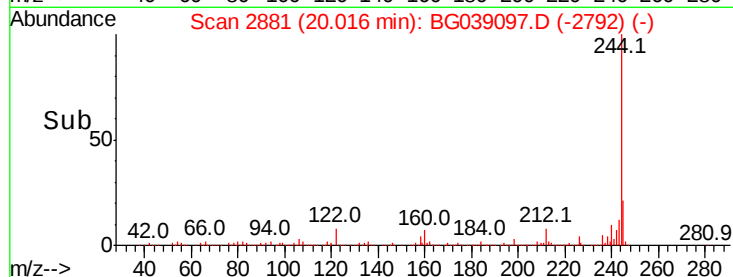
122 8.0 6.1 9.1



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: 24.96 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039097.D

Acq: 11 Jan 2019 22:42

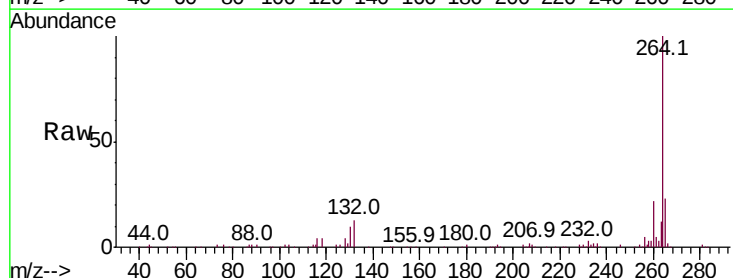
Tgt Ion:264 Resp: 235844

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.6

265 22.8 17.2 25.8



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

