

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039093.D
 Acq On : 11 Jan 2019 20:06
 Operator : JU/SJ
 Sample : K1099-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 00:28:56 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

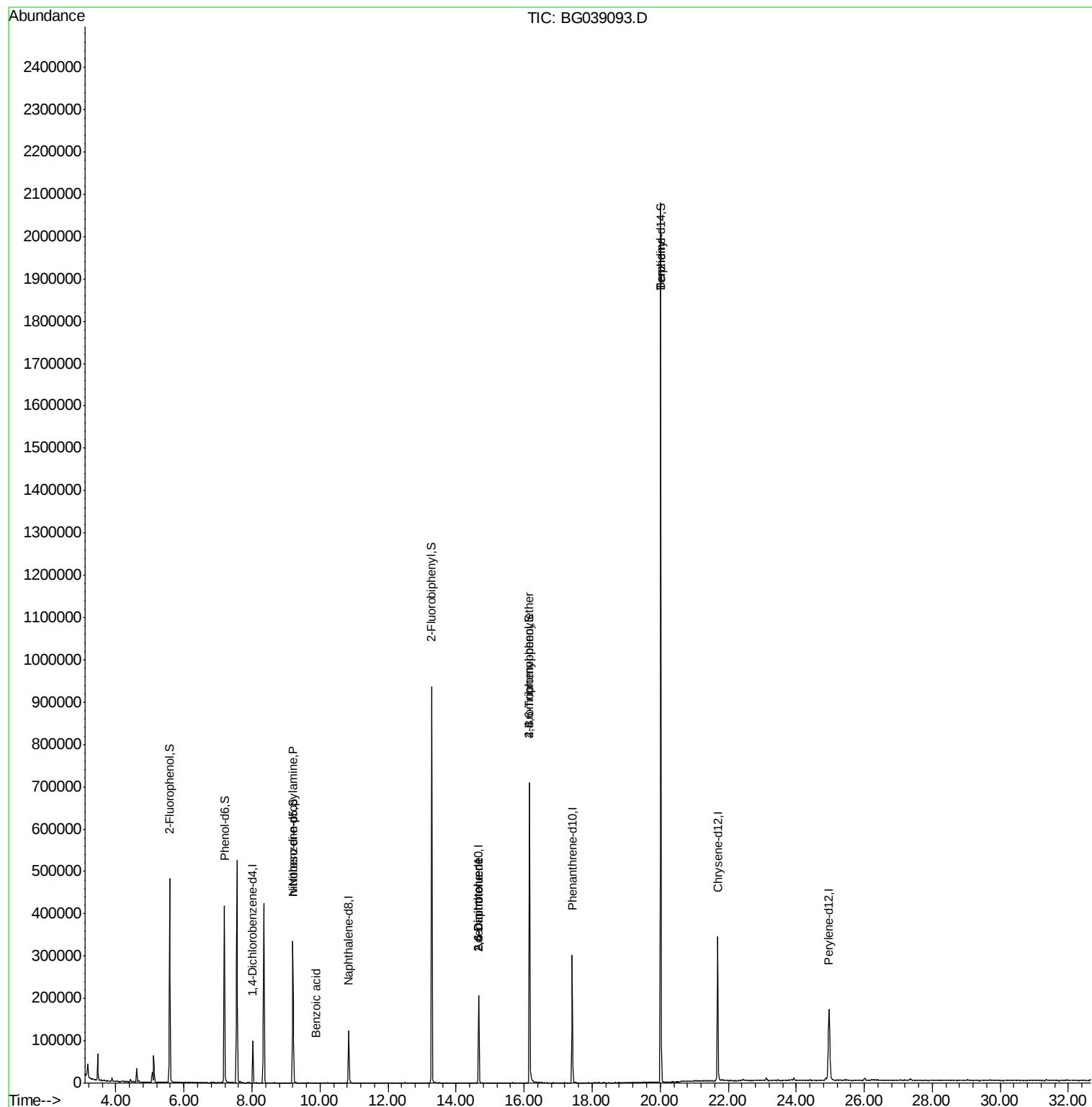
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	30352	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	117244	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77816	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	209261	20.00	ng	0.00
76) Chrysene-d12	21.69	240	222209	20.00	ng	-0.01
87) Perylene-d12	24.96	264	231073	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	221808	138.63	ng	0.00
7) Phenol-d6	7.18	99	267347	116.11	ng	0.00
23) Nitrobenzene-d5	9.20	82	205276	95.81	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	163473	125.32	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	523852	92.13	ng	0.00
79) Terphenyl-d14	20.02	244	1062299	88.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	26782	17.712	ng	# 64
32) Benzoic acid	9.88	122	55	9.491	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	10400	7.074	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	10400	4.931	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10754	3.998	ng	# 1
77) Benzidine	20.02	184	16708	2.458	ng	# 94

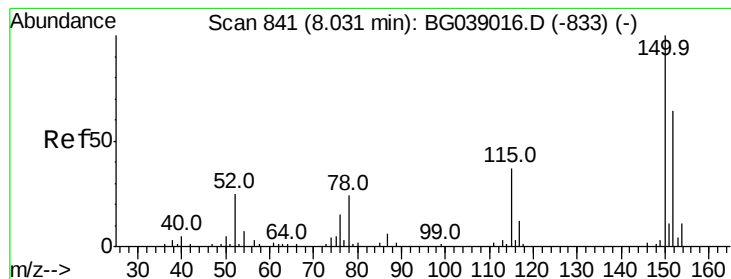
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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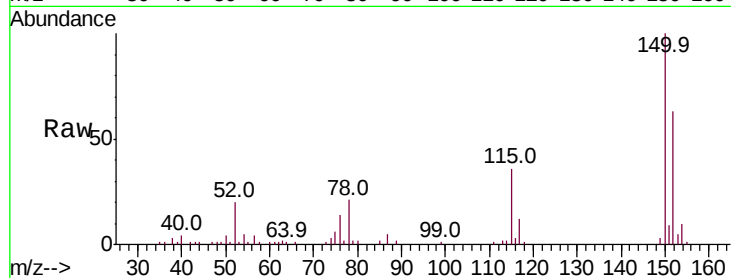




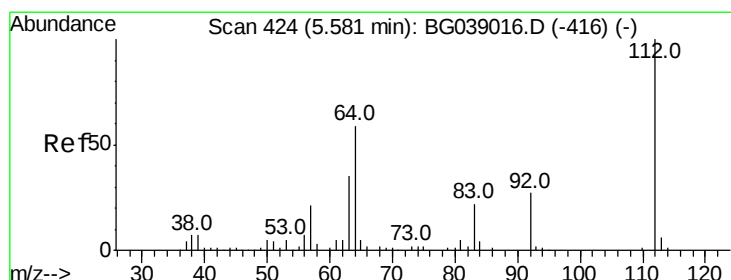
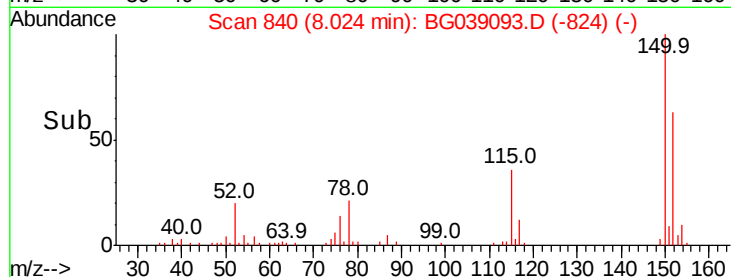
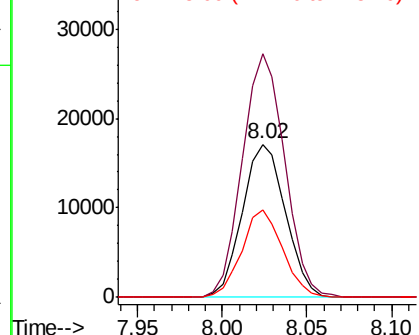
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 30352
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.7 187.1
 115 57.2 46.5 69.7

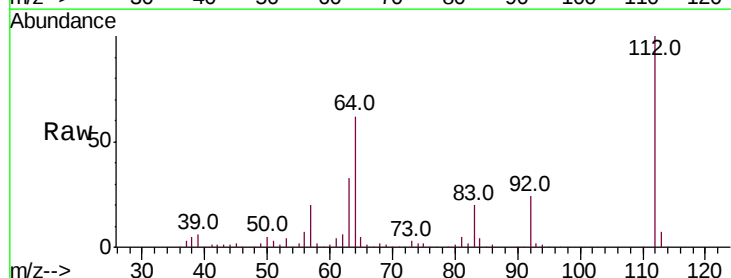


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

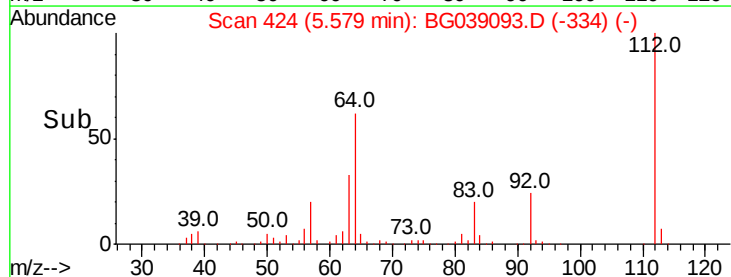
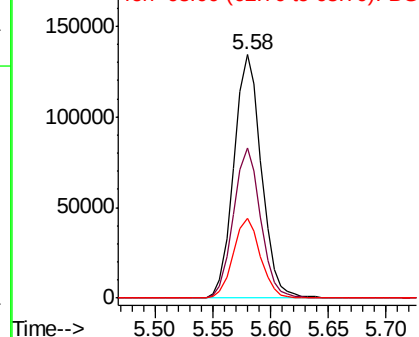


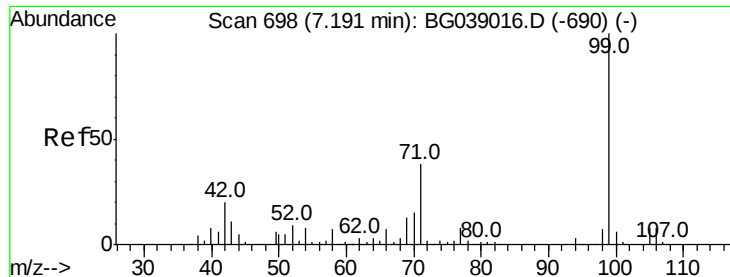
#5
 2-Fluorophenol
 Concen: 138.629 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

Tgt Ion:112 Resp: 221808
 Ion Ratio Lower Upper
 112 100
 64 61.9 47.0 70.6
 63 33.0 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: 116.105 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039093.D

Acq: 11 Jan 2019 20:06

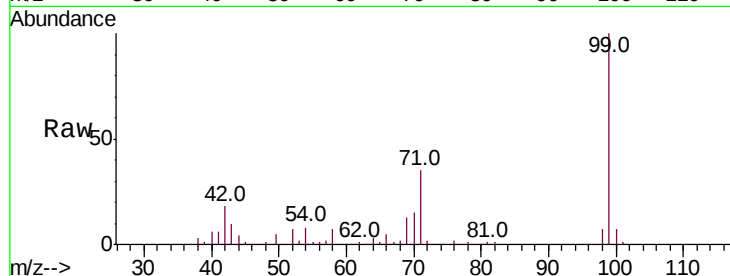
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 267347

Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.8	23.6
71	35.4	30.2	45.4

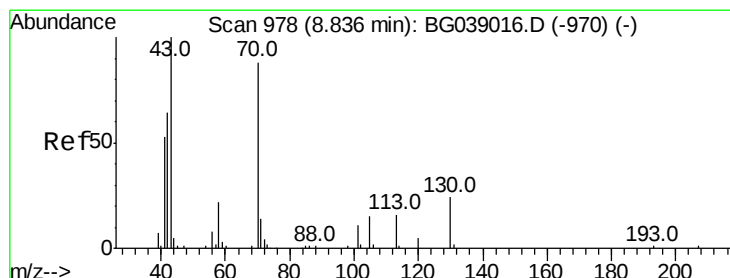
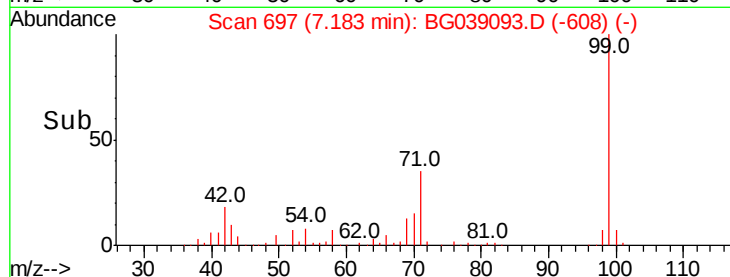
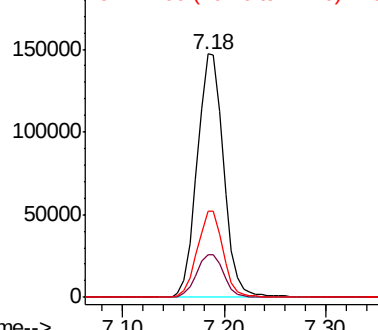


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 17.712 ng

RT: 9.20 min Scan# 1041

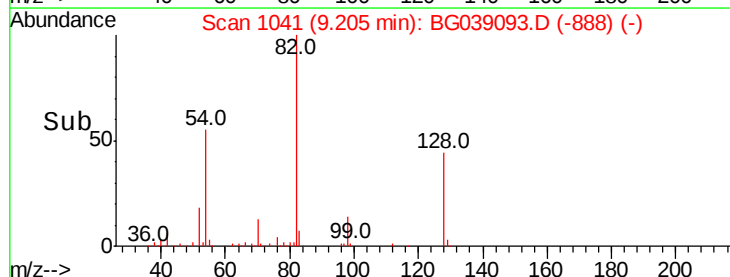
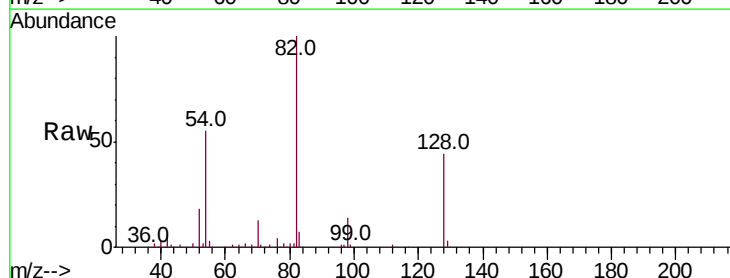
Delta R.T. 0.37 min

Lab File: BG039093.D

Acq: 11 Jan 2019 20:06

Tgt Ion: 70 Resp: 26782

Ion	Ratio	Lower	Upper
70	100		
42	46.5	59.0	88.4#
101	0.0	10.4	15.6#
130	2.8	21.6	32.4#



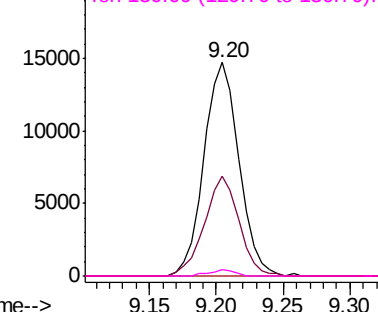
Abundance

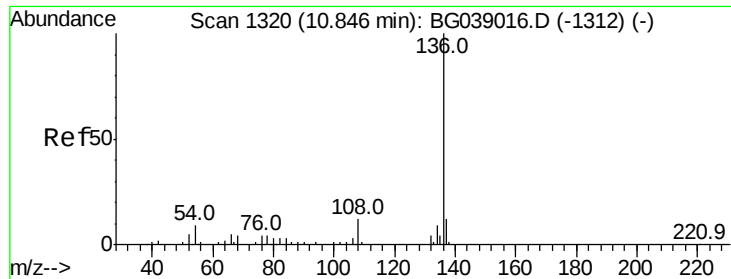
Ion 70.00 (69.70 to 70.70): BGC

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

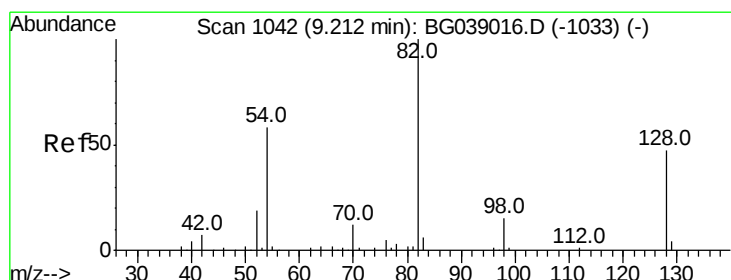
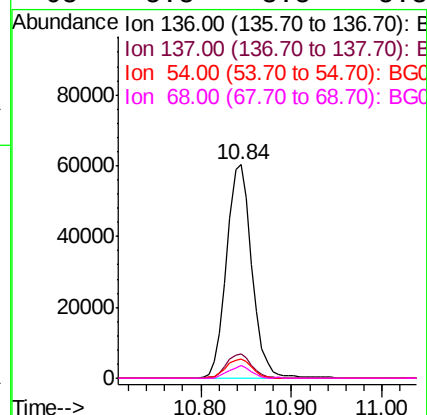
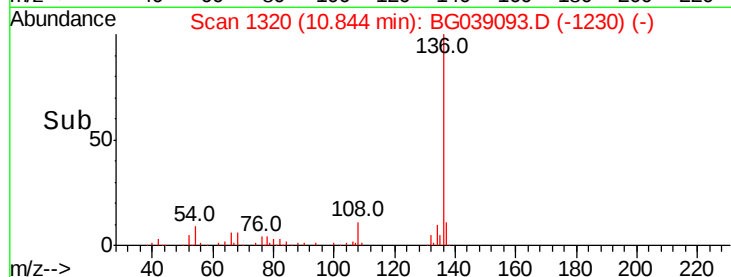
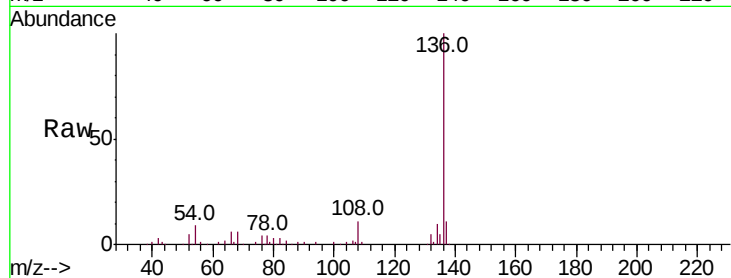




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

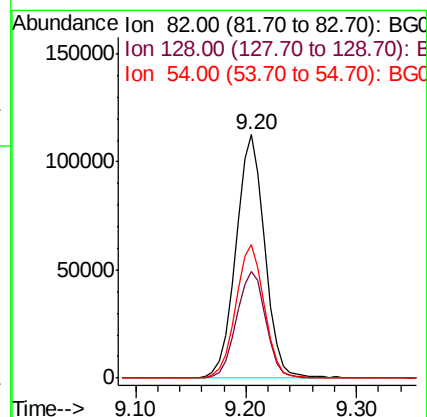
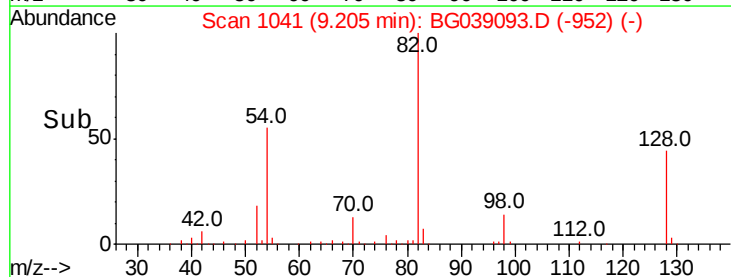
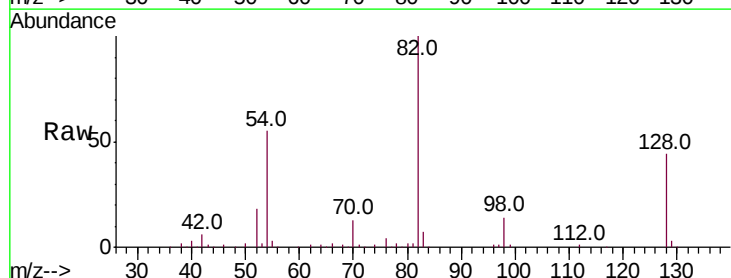
Instrument :
BNA_G
ClientSampleId :

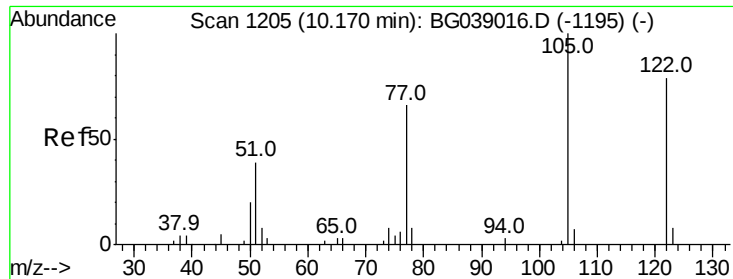
Tot Ion:136	Resp:	117244
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.4 14.2
54	8.8	7.2 10.8
68	5.8	3.5 5.3#



#23
Nitrobenzene-d5
Concen: 95.805 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

Tgt Ion: 82	Resp:	205276
Ion	Ratio	Lower Upper
82	100	
128	43.9	37.3 55.9
54	55.0	46.4 69.6

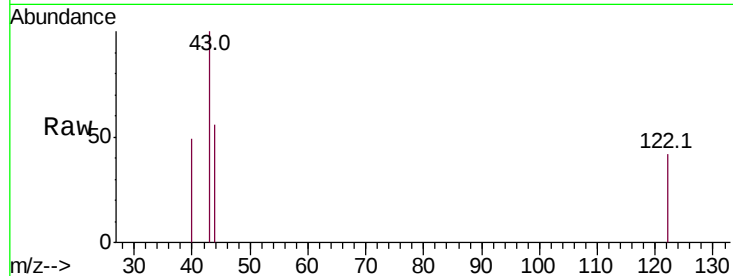




#32
Benzoic acid
Concen: 9.491 ng
RT: 9.88 min Scan# 1156
Delta R.T. -0.29 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	63.6	103.6#



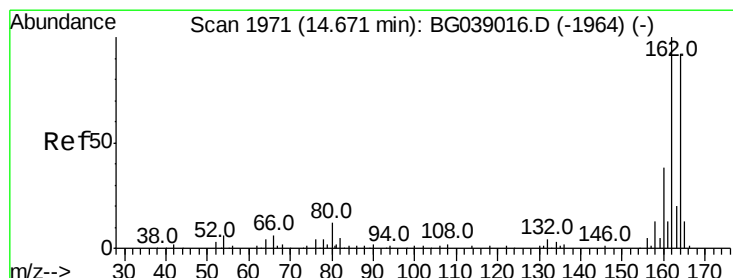
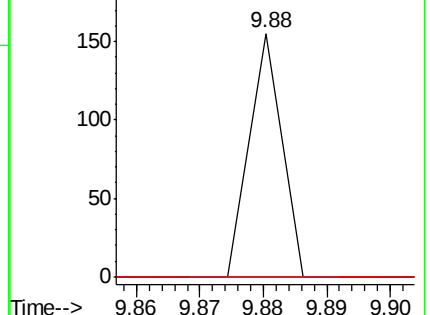
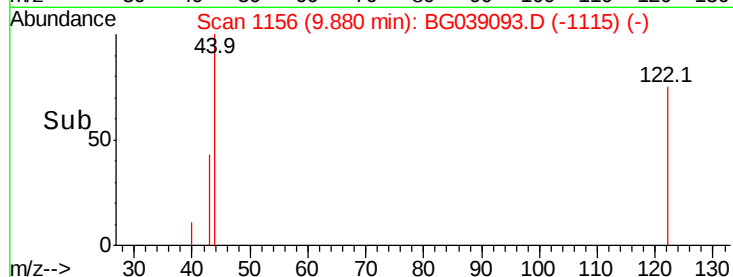
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

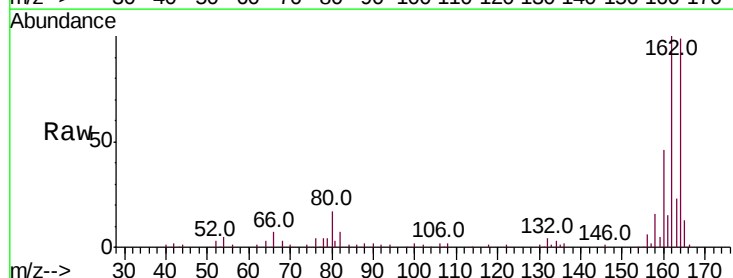
Ion 77.00 (76.70 to 77.70): BGC

9.88



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	87.2	130.8
160	45.9	33.3	49.9



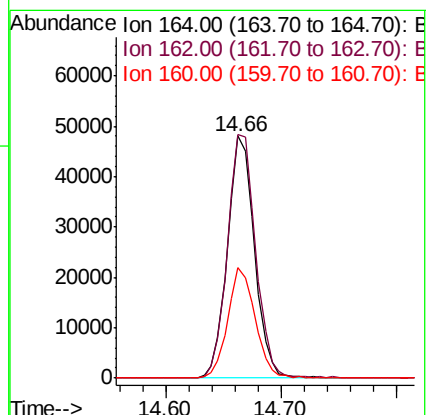
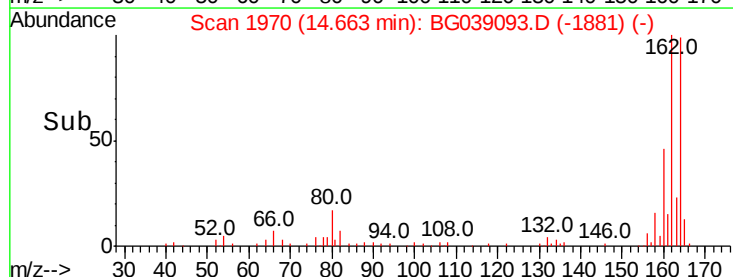
Abundance

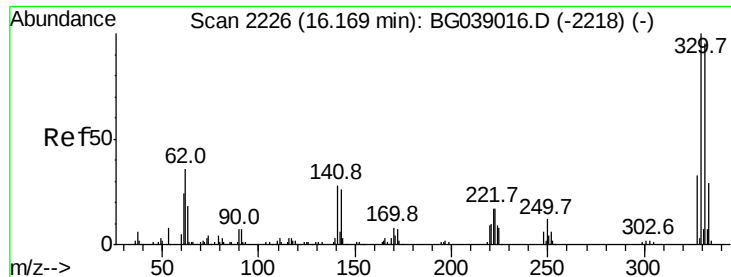
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.66

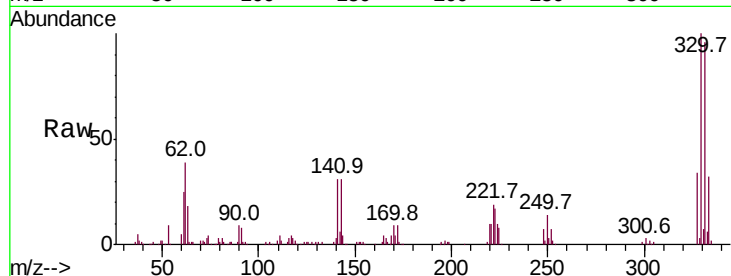




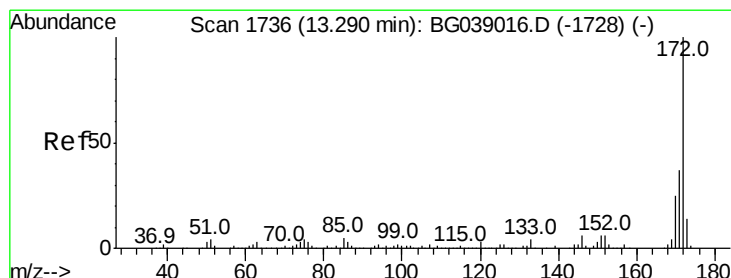
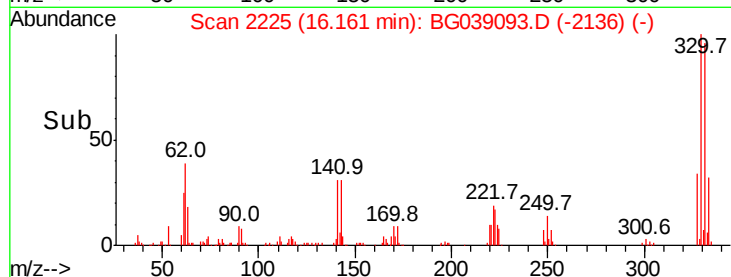
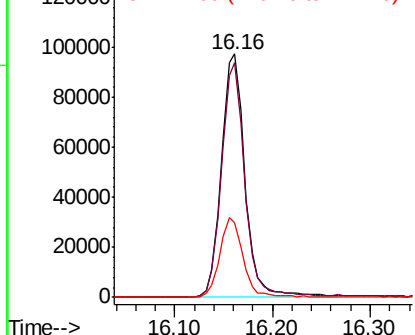
#42
 2,4,6-Tribromophenol
 Concen: 125.323 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.7	113.5
141	32.2	24.9	37.3

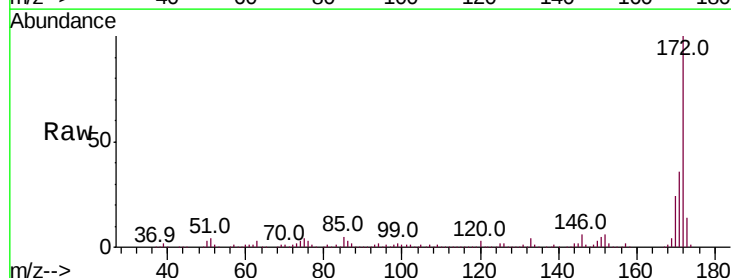


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

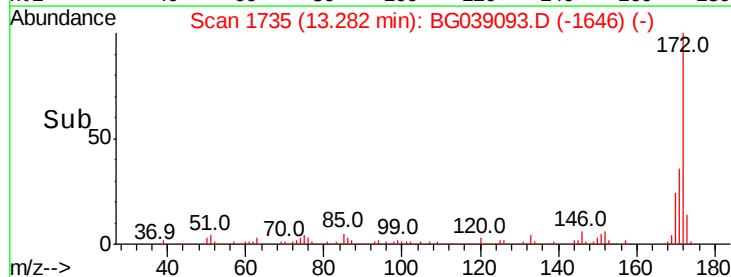
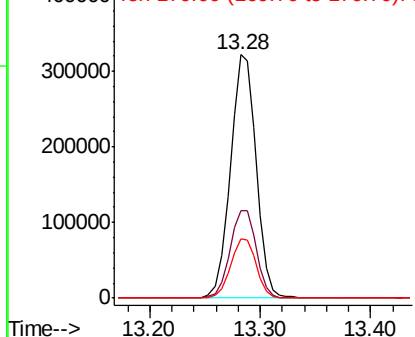


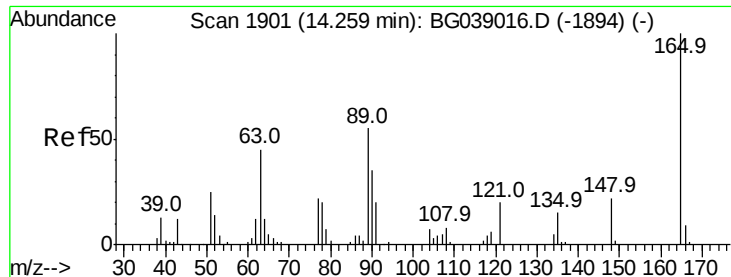
#45
 2-Fluorobiphenyl
 Concen: 92.131 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.5	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

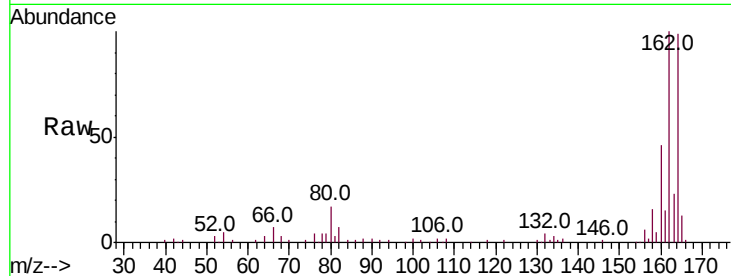




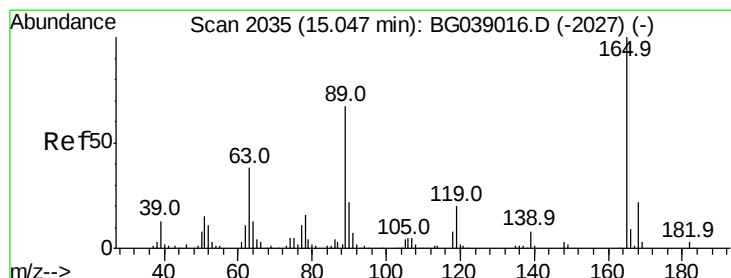
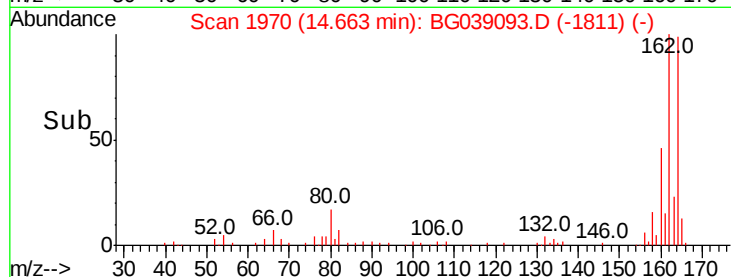
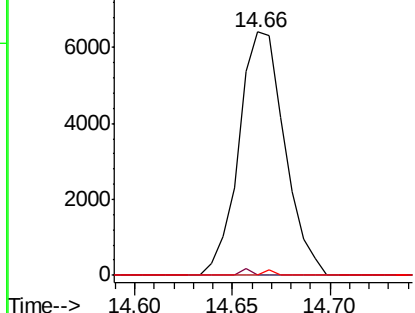
#51
 2,6-Dinitrotoluene
 Concen: 7.074 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

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#



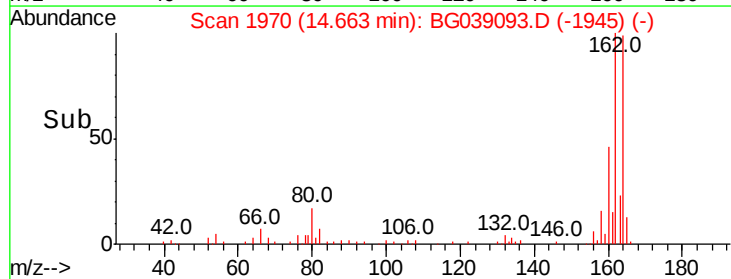
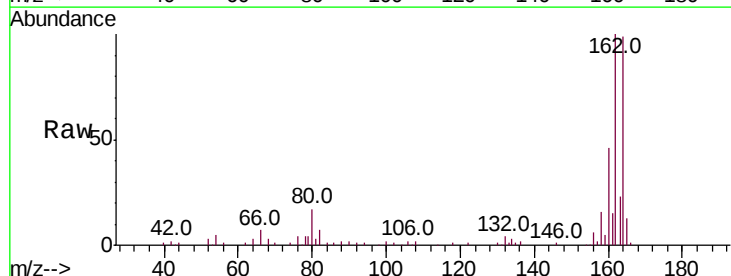
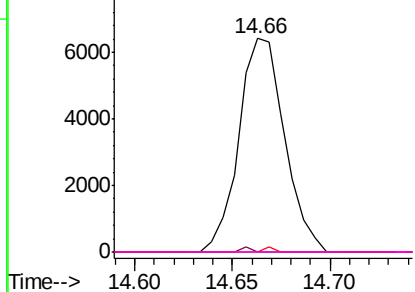
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

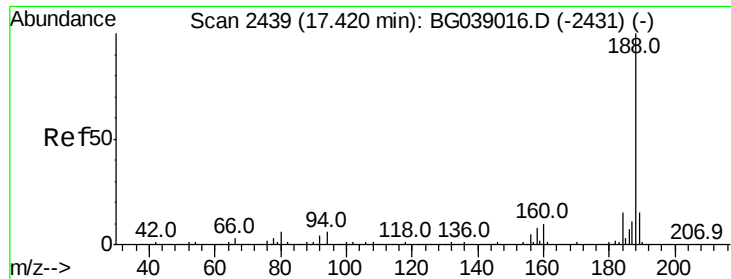


#57
 2,4-Dinitrotoluene
 Concen: 4.931 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039093.D
 Acq: 11 Jan 2019 20:06

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: BG039093.D

Acq: 11 Jan 2019 20:06

Instrument :

BNA_G

ClientSampleId :

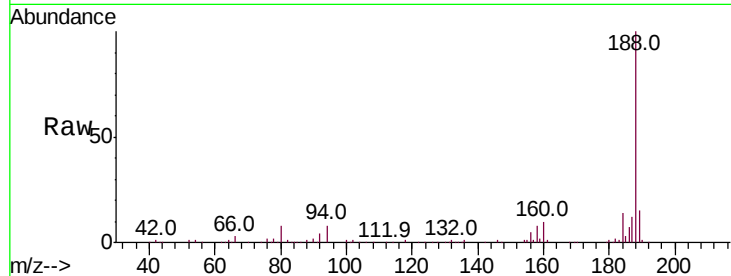
Tot Ion:188 Resp: 209261

Ion Ratio Lower Upper

188 100

94 7.6 5.0 7.4#

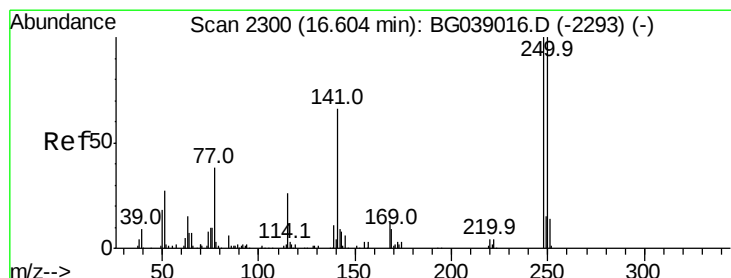
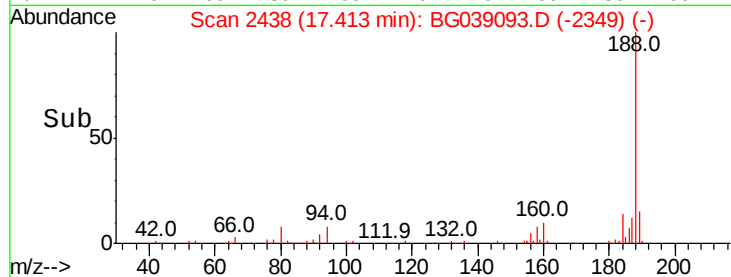
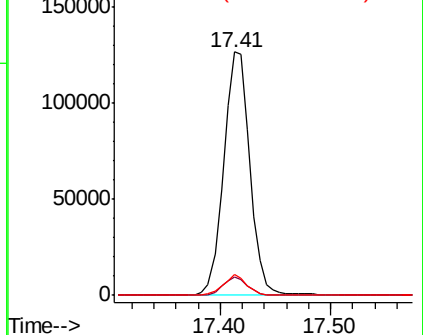
80 8.4 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.998 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039093.D

Acq: 11 Jan 2019 20:06

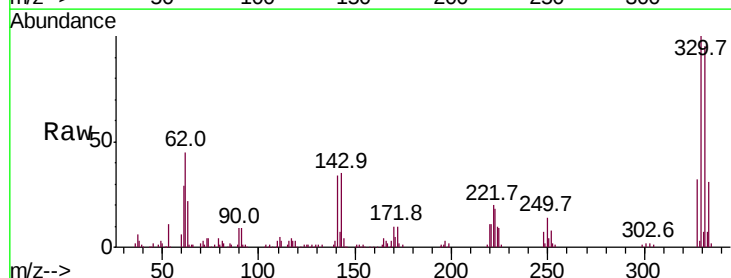
Tgt Ion:248 Resp: 10754

Ion Ratio Lower Upper

248 100

250 194.4 79.9 119.9#

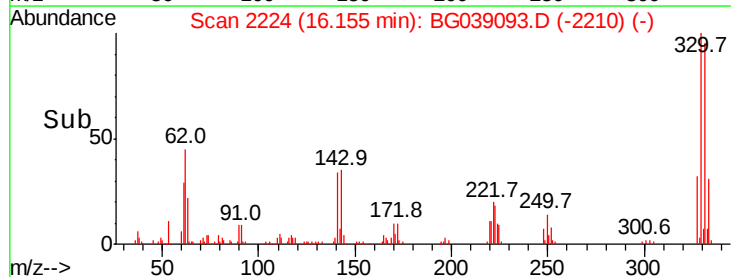
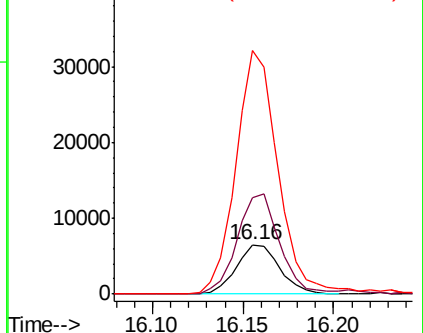
141 376.8 52.7 79.1#

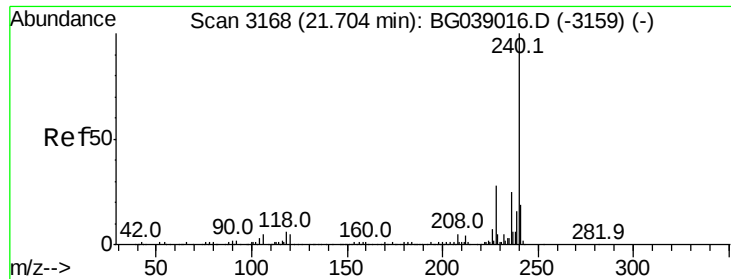


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

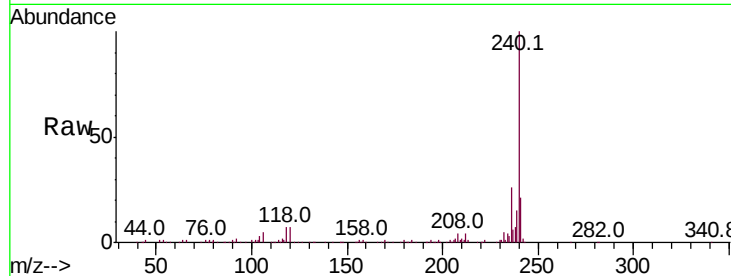




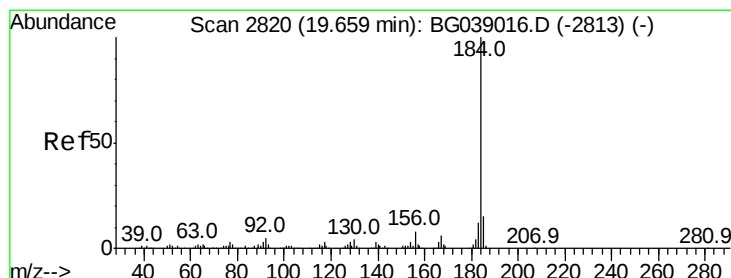
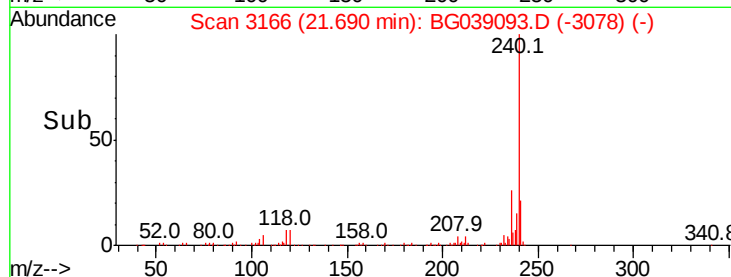
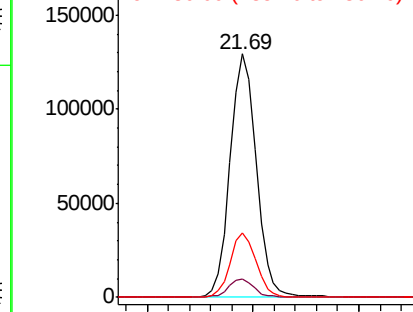
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 222209
Ion Ratio Lower Upper
240 100
120 7.4 4.3 6.5#
236 26.5 20.1 30.1

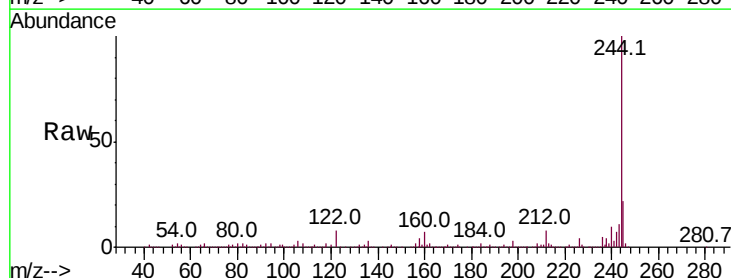


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

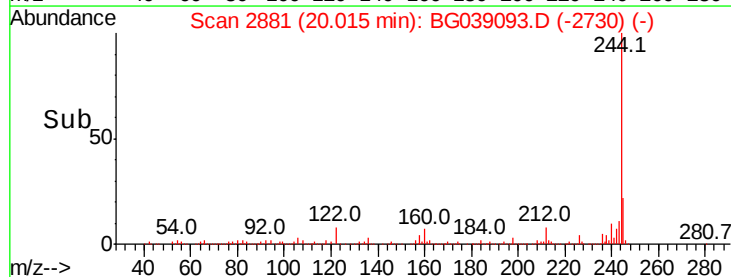
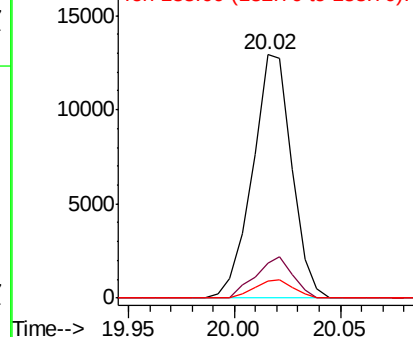


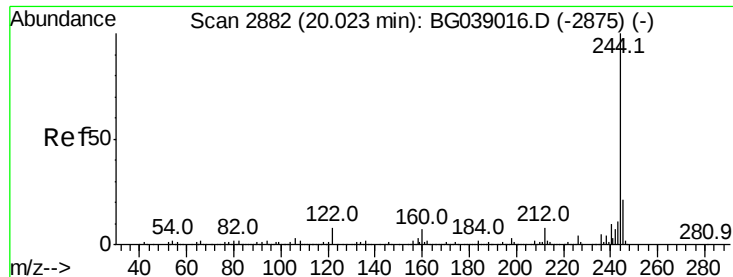
#77
Benzidine
Concen: 2.458 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039093.D
Acq: 11 Jan 2019 20:06

Tgt Ion:184 Resp: 16708
Ion Ratio Lower Upper
184 100
185 14.6 12.1 18.1
183 7.1 9.5 14.3#



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: 88.437 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039093.D

Acq: 11 Jan 2019 20:06

Instrument :

BNA_G

ClientSampled :

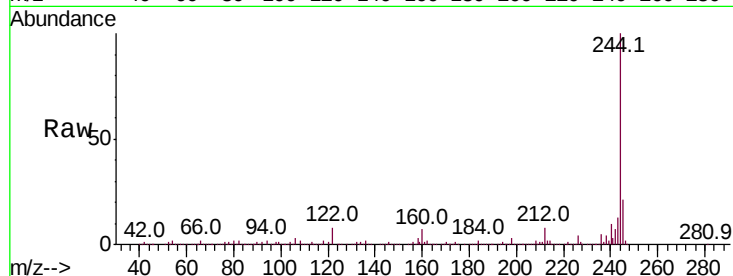
Tot Ion:244 Resp: 1062299

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

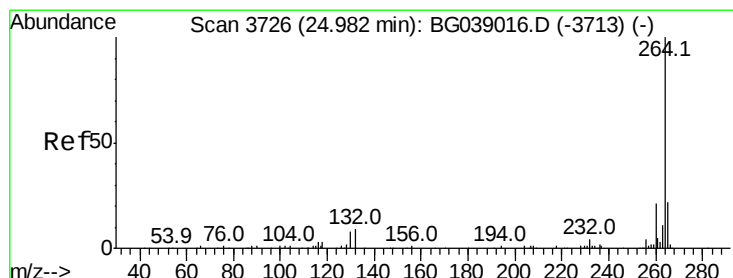
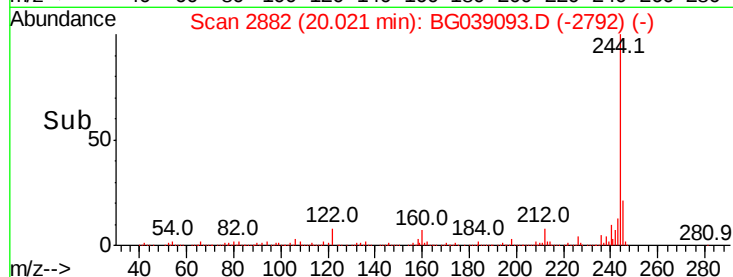
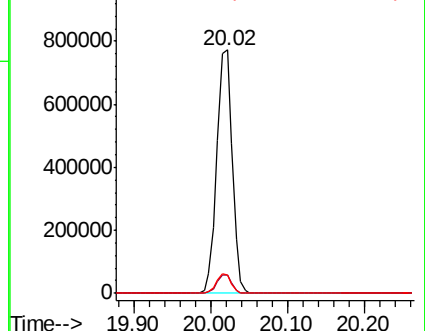
122 7.5 6.1 9.1



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: BG039093.D

Acq: 11 Jan 2019 20:06

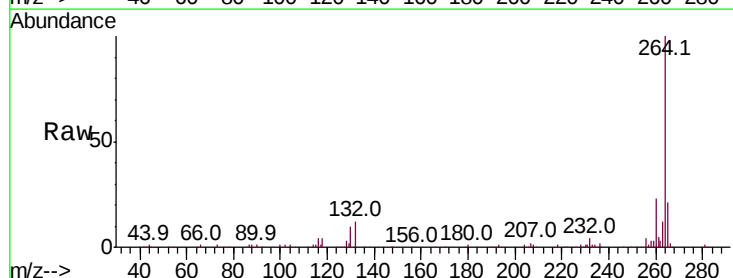
Tgt Ion:264 Resp: 231073

Ion Ratio Lower Upper

264 100

260 22.7 17.0 25.6

265 20.6 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

