

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011819\
 Data File : BG039223.D
 Acq On : 18 Jan 2019 19:53
 Operator : JU/SJ
 Sample : K1148-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-2

Quant Time: Jan 18 21:57:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

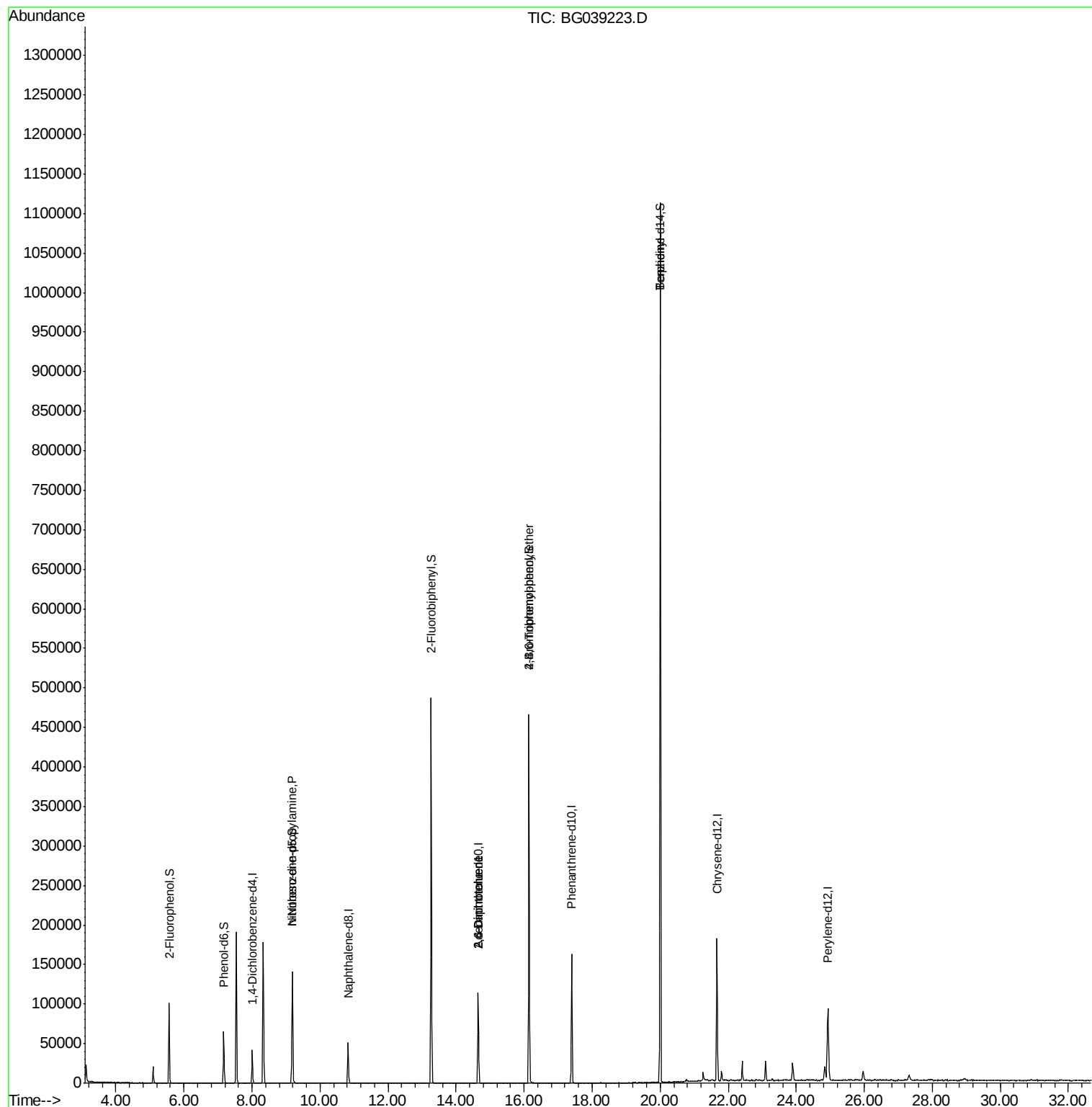
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	12727	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	50413	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	42207	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	108092	20.00	ng	0.00
76) Chrysene-d12	21.67	240	117117	20.00	ng	0.00
87) Perylene-d12	24.93	264	118284	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	45595	67.96	ng	0.00
7) Phenol-d6	7.17	99	39846	41.27	ng	0.00
23) Nitrobenzene-d5	9.19	82	85202	92.48	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	98289	138.92	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	272962	88.51	ng	0.00
79) Terphenyl-d14	20.00	244	563305	88.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	11853	18.695	ng	# 68
51) 2,6-Dinitrotoluene	14.64	165	5466	6.855	ng	# 24
57) 2,4-Dinitrotoluene	14.64	165	5466	4.778	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6664	4.796	ng	# 1
77) Benzidine	20.00	184	8456	2.361	ng	97

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

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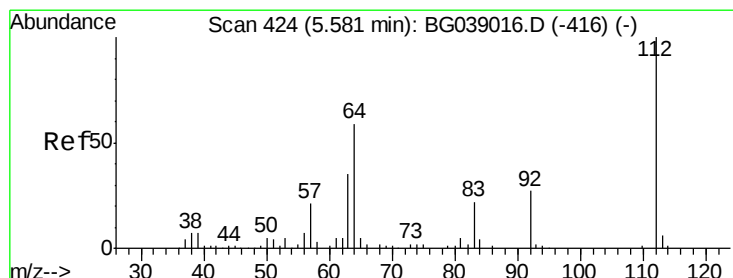
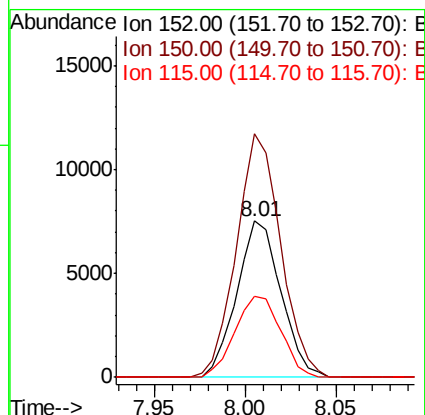
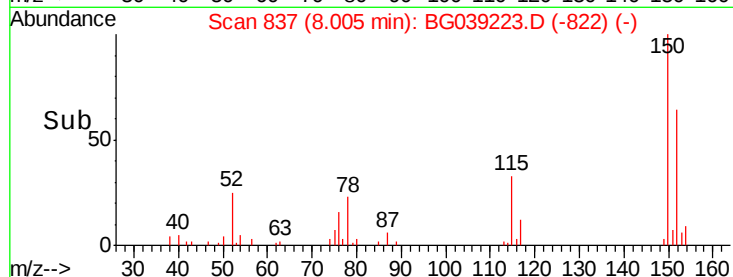
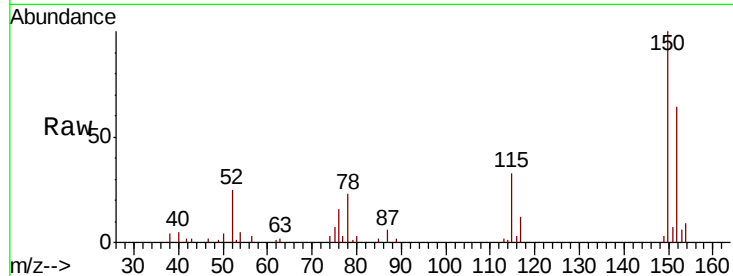


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039223.D
Acq: 18 Jan 2019 19:53

Instrument :
BNA_G
ClientSampleId :
T-2

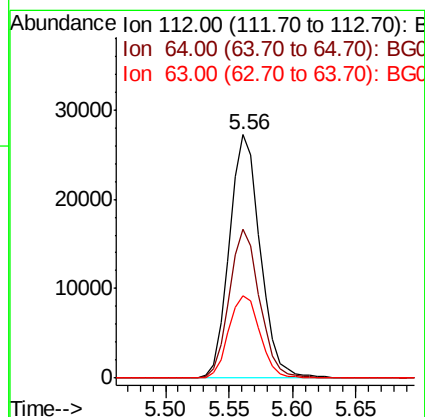
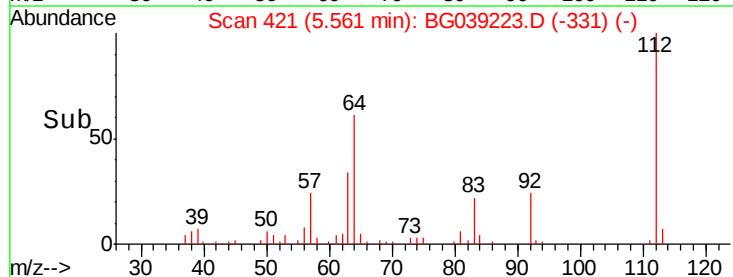
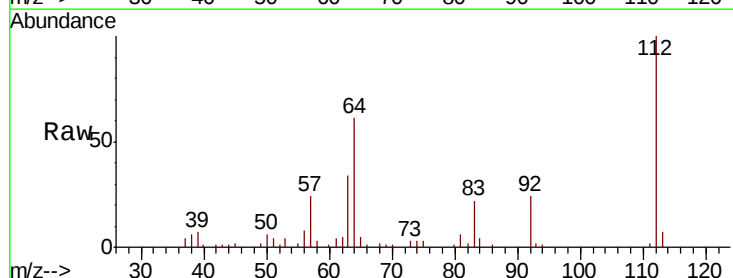
Tgt Ion:152 Resp: 12727
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 51.7 46.5 69.7



#5

2-Fluorophenol
Concen: 67.960 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039223.D
Acq: 18 Jan 2019 19:53

Tgt Ion:112 Resp: 45595
Ion Ratio Lower Upper
112 100
64 61.1 47.0 70.6
63 33.9 28.0 42.0





#7

Phenol-d6

Concen: 41.269 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

Instrument :

BNA_G

ClientSampleId :

T-2

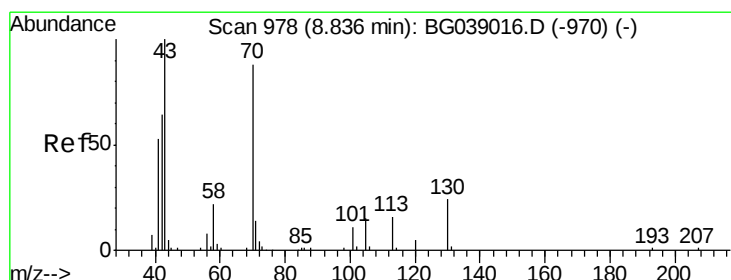
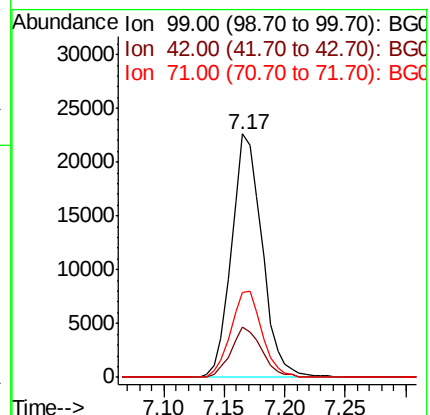
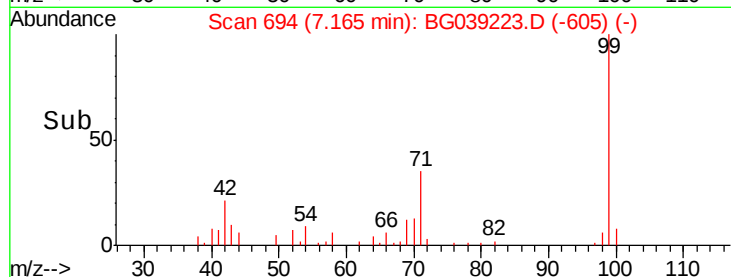
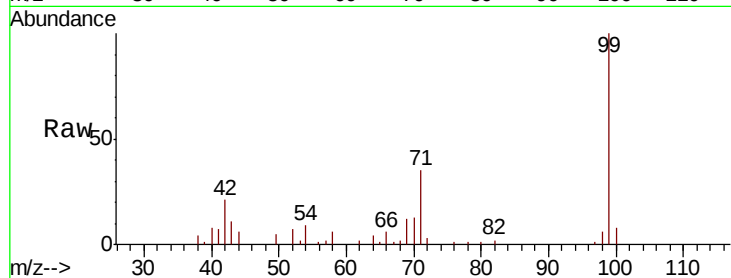
Tgt Ion: 99 Resp: 39846

Ion Ratio Lower Upper

99 100

42 20.6 15.8 23.6

71 34.7 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.695 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

Tgt Ion: 70 Resp: 11853

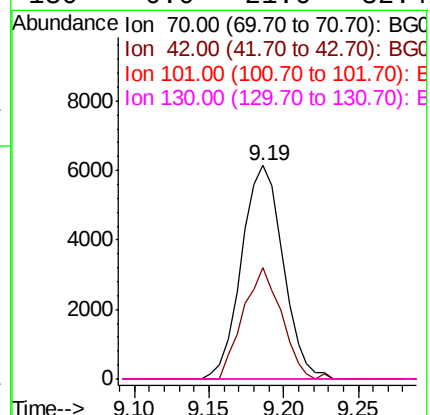
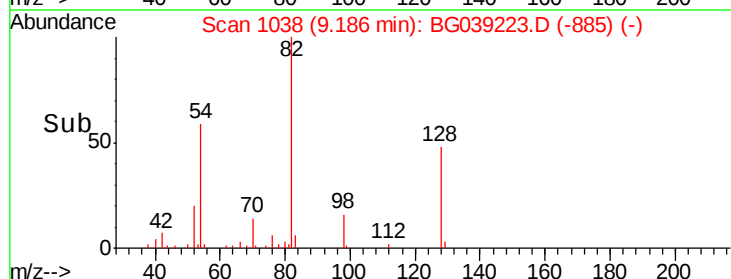
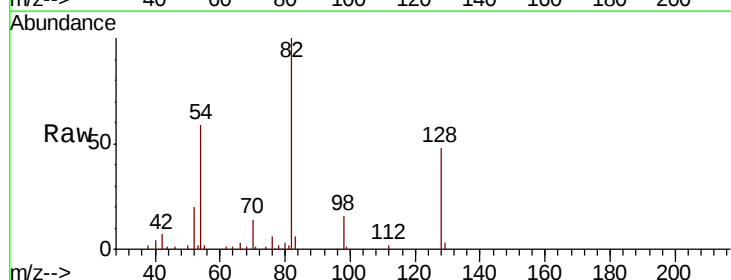
Ion Ratio Lower Upper

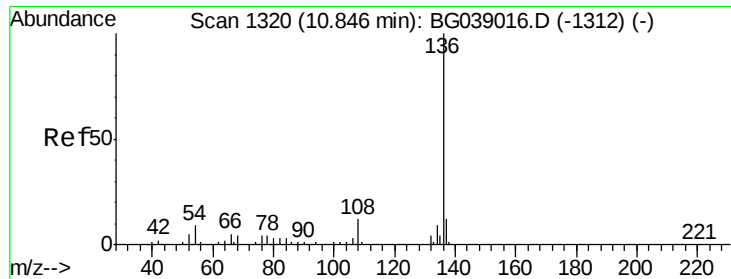
70 100

42 52.4 59.0 88.4#

101 0.0 10.4 15.6#

130 0.0 21.6 32.4#

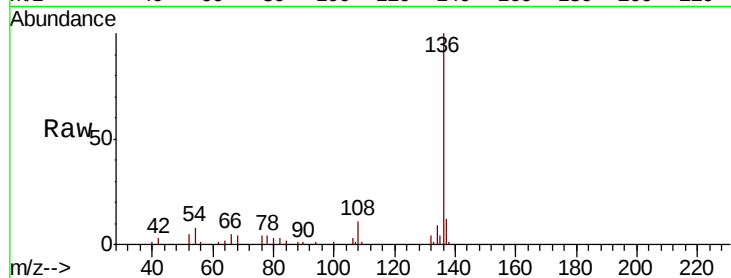




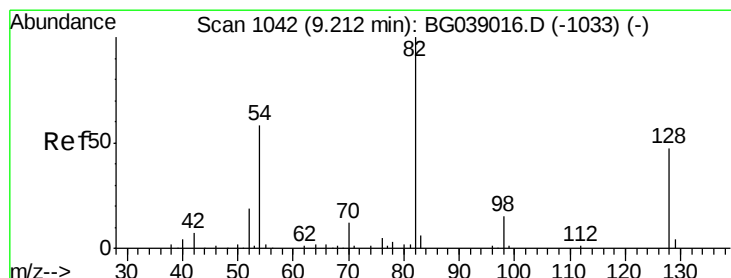
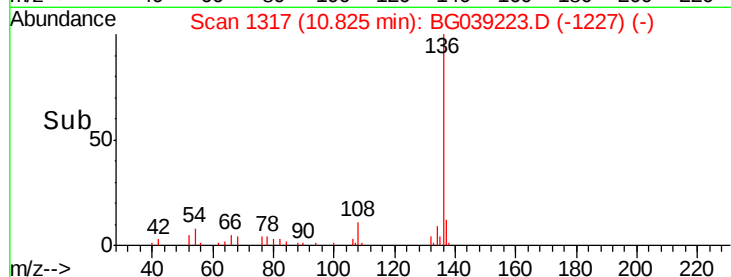
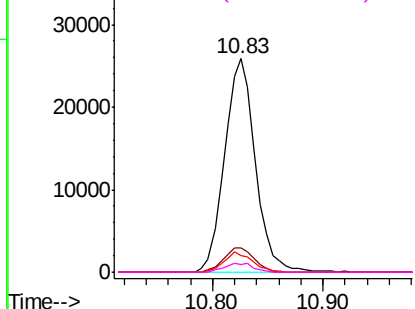
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039223.D
Acq: 18 Jan 2019 19:53

Instrument :
BNA_G
ClientSampleId :
T-2

Tgt Ion:	136	Resp:	50413
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	8.1	7.2	10.8
68	3.8	3.5	5.3

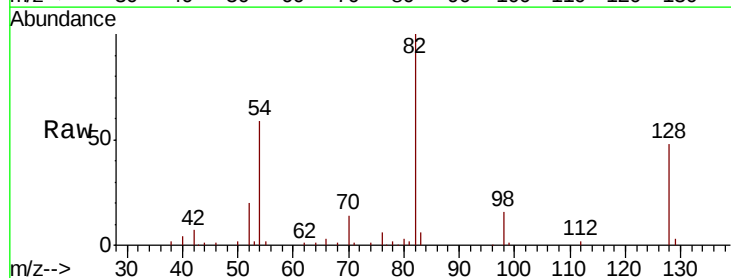


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

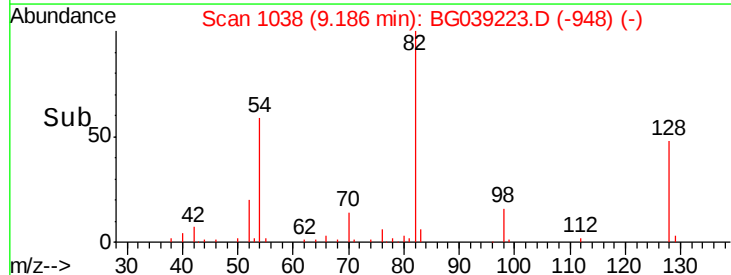
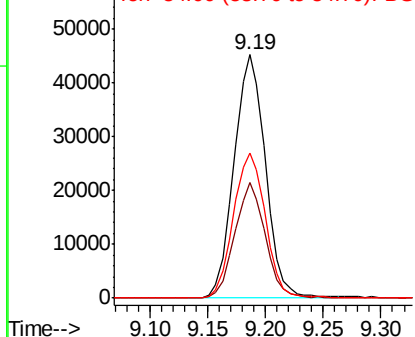


#23
Nitrobenzene-d5
Concen: 92.480 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039223.D
Acq: 18 Jan 2019 19:53

Tgt Ion:	82	Resp:	85202
Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.3	55.9
54	59.4	46.4	69.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

Instrument :

BNA_G

ClientSampleId :

T-2

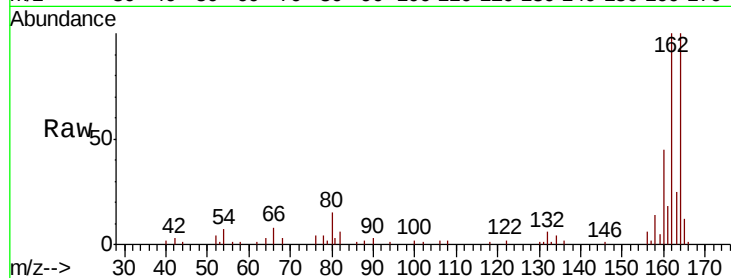
Tgt Ion:164 Resp: 42207

Ion Ratio Lower Upper

164 100

162 99.6 87.2 130.8

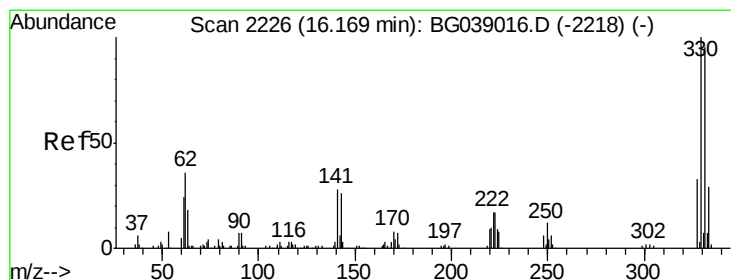
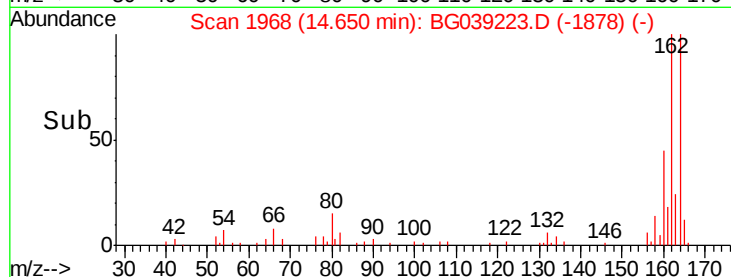
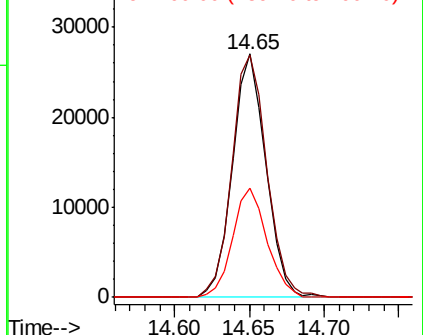
160 44.6 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 138.923 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

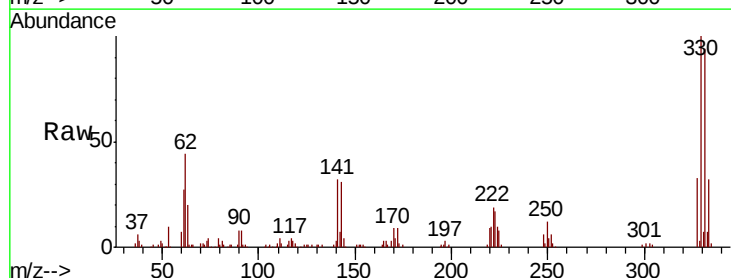
Tgt Ion:330 Resp: 98289

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

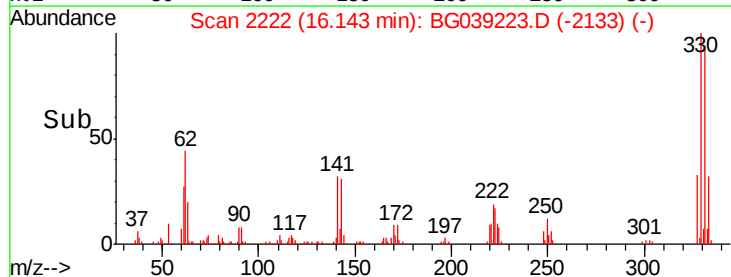
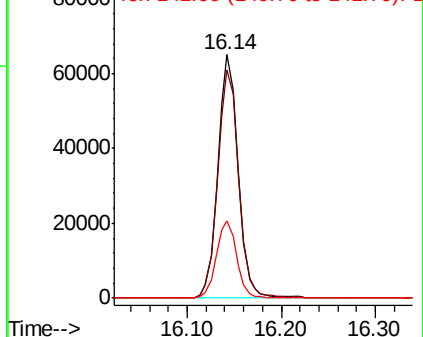
141 32.0 24.9 37.3



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

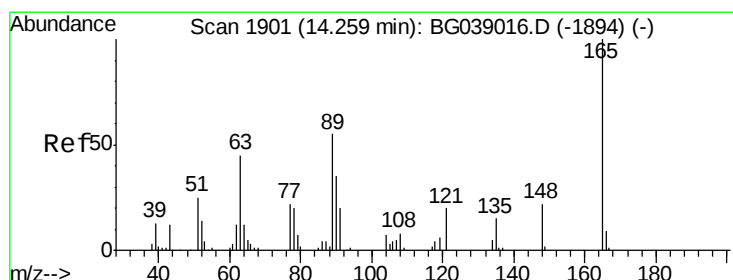
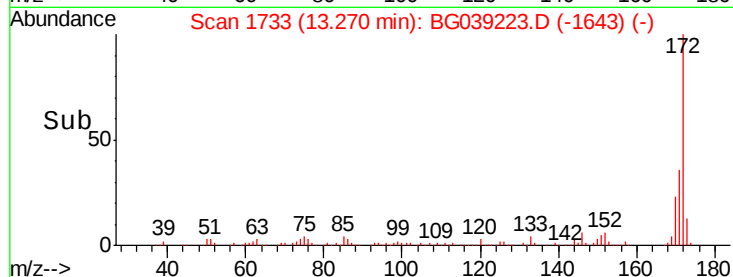
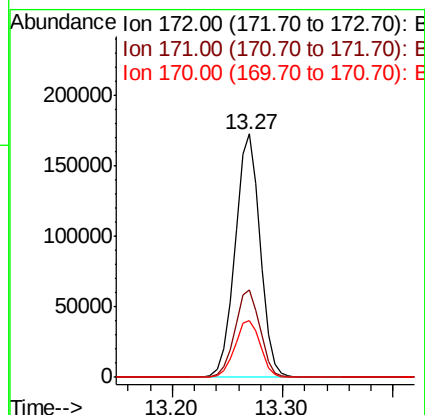
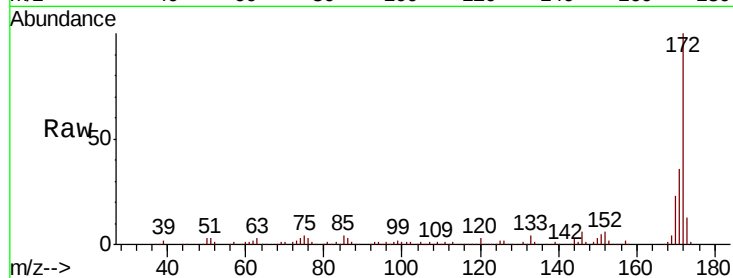




#45
 2-Fluorobiphenyl
 Concen: 88.508 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

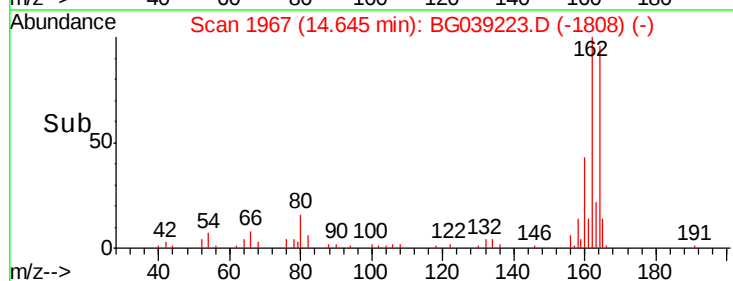
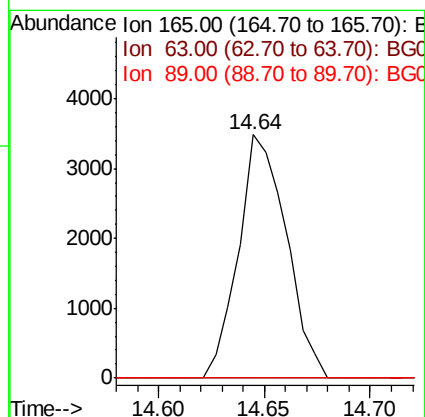
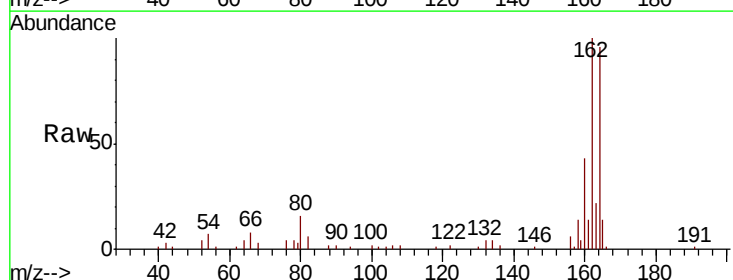
Instrument :
 BNA_G
 ClientSampleId :
 T-2

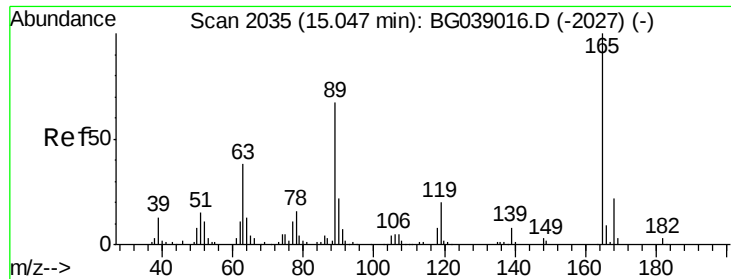
Tgt Ion:	172	Resp:	272962
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	23.3	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.855 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

Tgt Ion:	165	Resp:	5466
Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

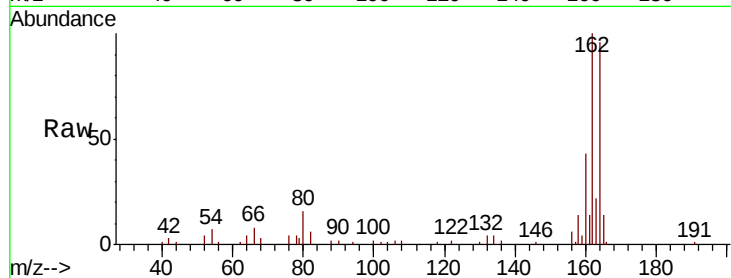




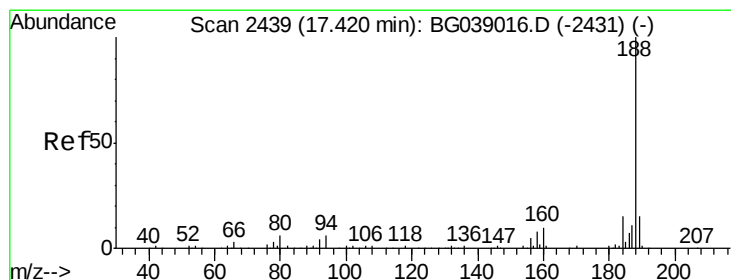
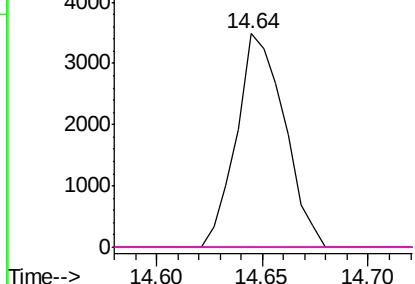
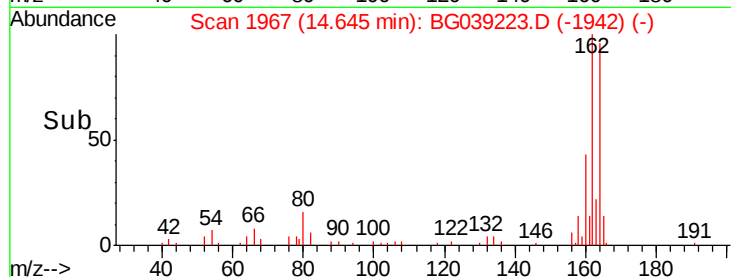
#57
 2,4-Dinitrotoluene
 Concen: 4.778 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.39 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

Instrument :
 BNA_G
 ClientSampled :
 T-2

Tgt Ion:165 Resp: 5466
 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#

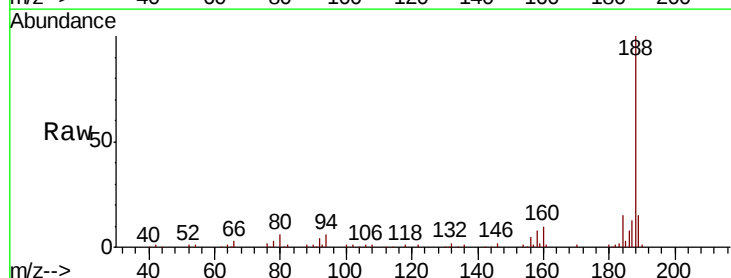


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

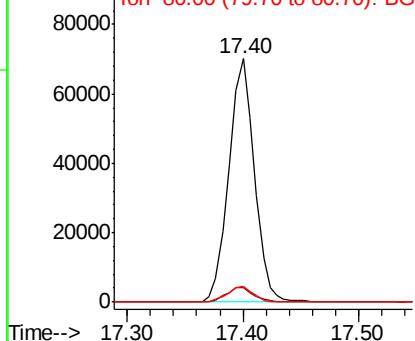
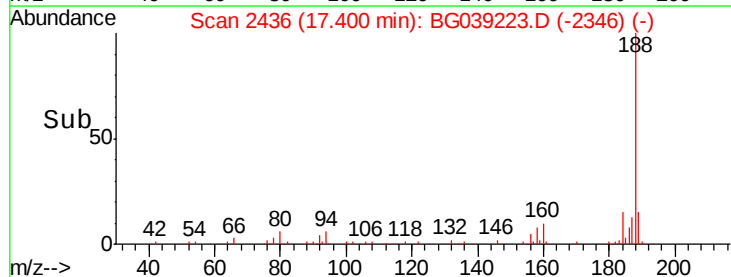


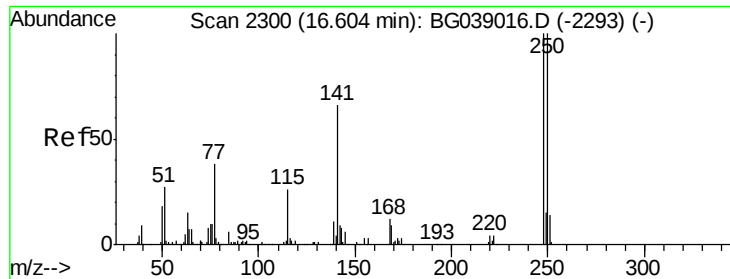
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

Tgt Ion:188 Resp: 108092
 Ion Ratio Lower Upper
 188 100
 94 6.1 5.0 7.4
 80 6.4 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

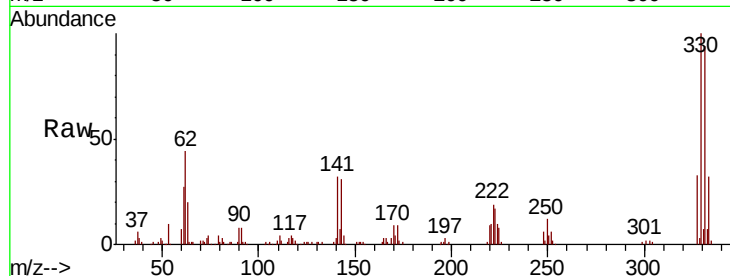




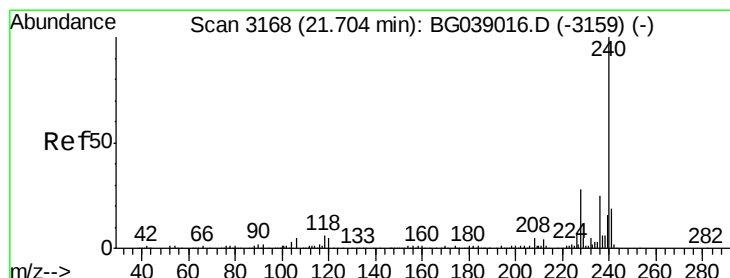
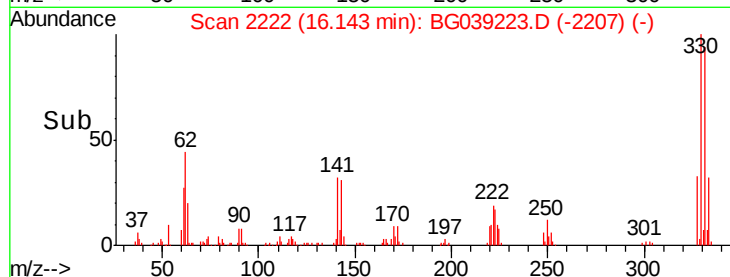
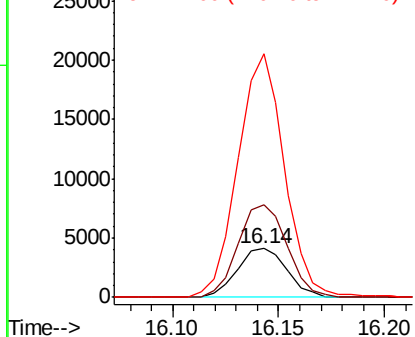
#67
 4-Bromophenyl-phenylether
 Concen: 4.796 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

Instrument :
 BNA_G
 ClientSampled :
 T-2

Tgt Ion:248 Resp: 6664
 Ion Ratio Lower Upper
 248 100
 250 203.3 79.9 119.9#
 141 395.1 52.7 79.1#

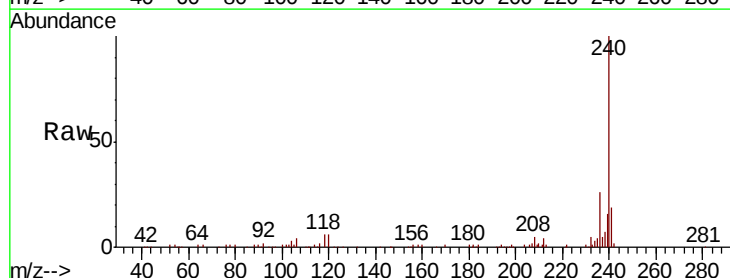


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

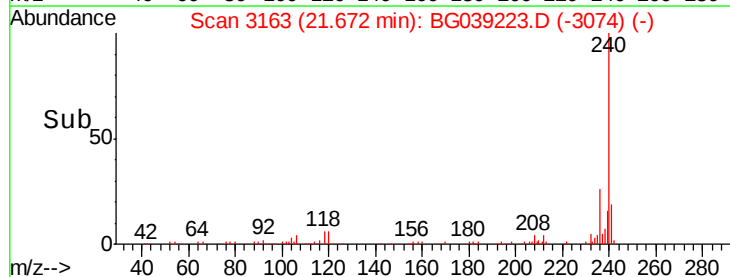
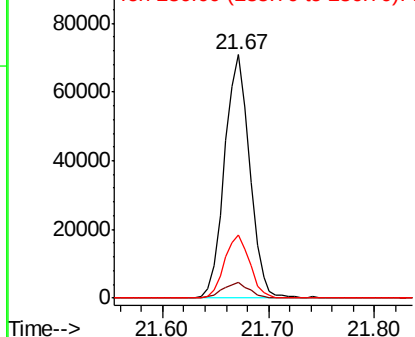


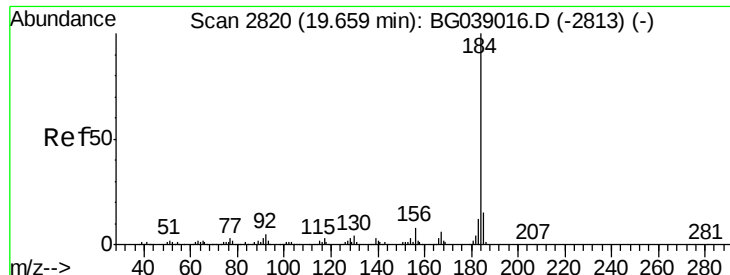
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG039223.D
 Acq: 18 Jan 2019 19:53

Tgt Ion:240 Resp: 117117
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.3 6.5
 236 26.1 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: 2.361 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.36 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

Instrument :

BNA_G

ClientSampleId :

T-2

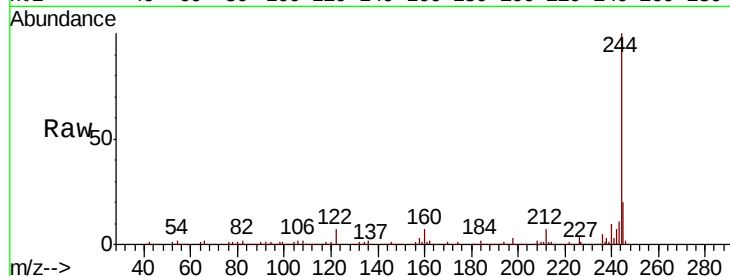
Tgt Ion:184 Resp: 8456

Ion Ratio Lower Upper

184 100

185 14.6 12.1 18.1

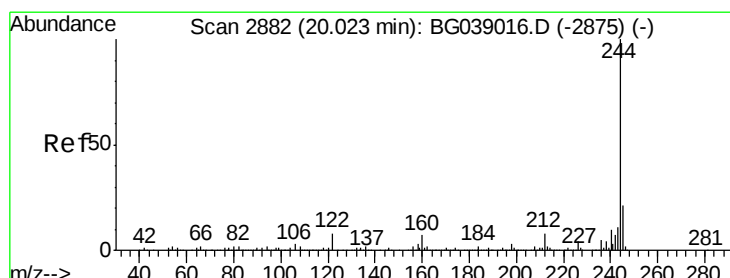
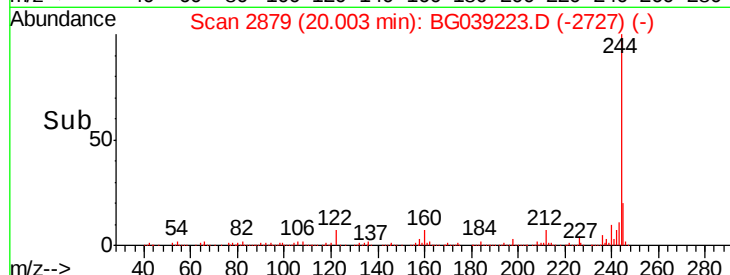
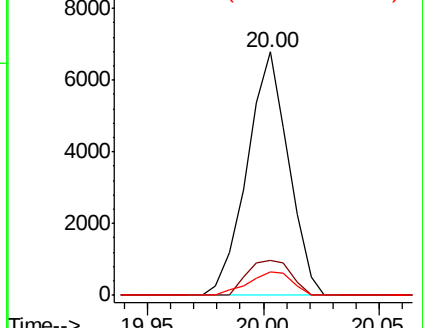
183 9.8 9.5 14.3



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: 88.975 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039223.D

Acq: 18 Jan 2019 19:53

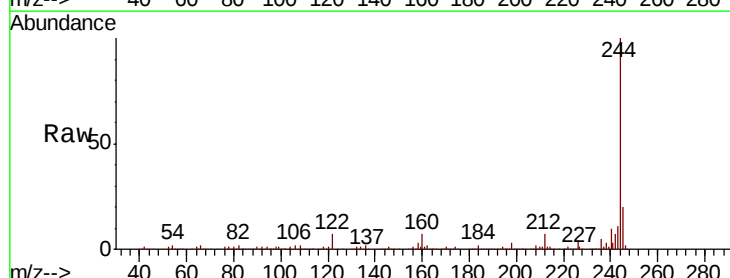
Tgt Ion:244 Resp: 563305

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

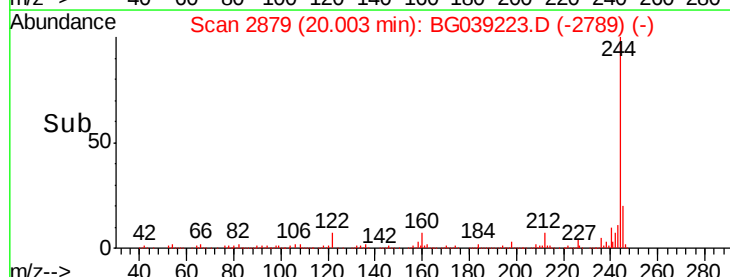
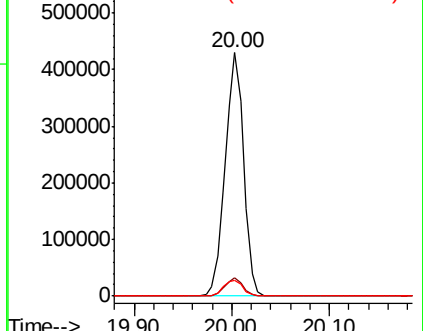
122 6.6 6.1 9.1

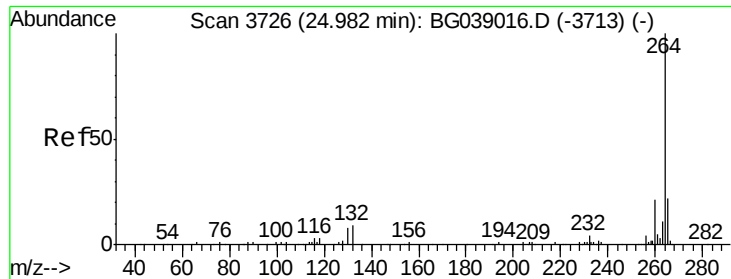


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3717
Delta R.T. -0.02 min
Lab File: BG039223.D
Acq: 18 Jan 2019 19:53

Instrument :
BNA_G
ClientSampleId :
T-2

Tgt Ion:	264	Resp:	118284
Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.0	25.6
265	22.3	17.2	25.8

