

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011519\
 Data File : BG039141.D
 Acq On : 15 Jan 2019 21:10
 Operator : JU/SJ
 Sample : K1015-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-011119-B

Quant Time: Jan 16 01:10:12 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

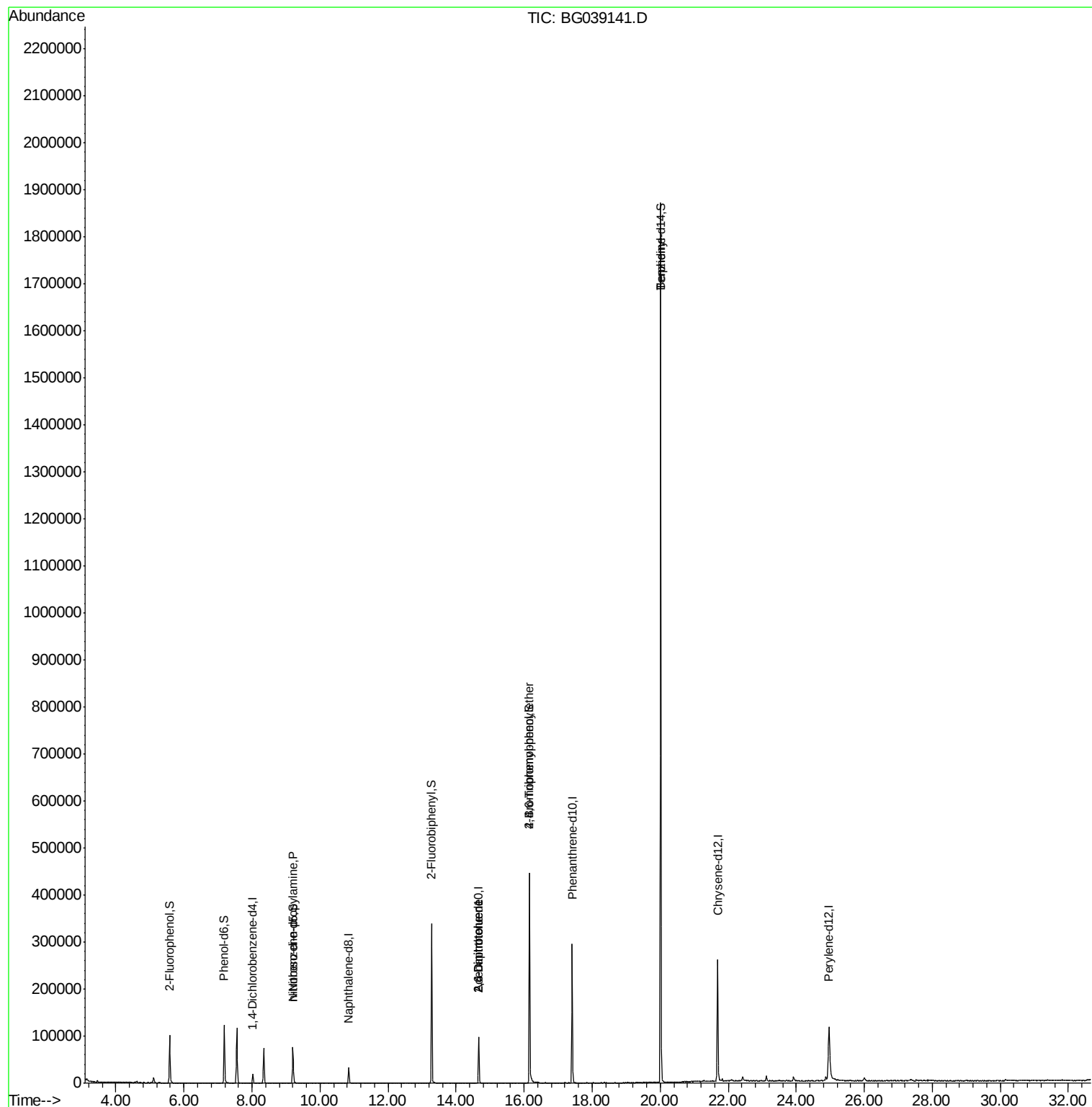
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	6064	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	33295	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	37213	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	197973	20.00	ng	0.00
76) Chrysene-d12	21.69	240	186195	20.00	ng	-0.01
87) Perylene-d12	24.97	264	181126	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	54950	171.90	ng	0.00
7) Phenol-d6	7.18	99	79215	172.19	ng	0.00
23) Nitrobenzene-d5	9.20	82	51178	84.11	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	106835	171.27	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	194071	71.37	ng	0.00
79) Terphenyl-d14	20.02	244	992851	98.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	7061	23.373	ng	# 69
51) 2,6-Dinitrotoluene	14.66	165	5006	7.120	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	5006	4.963	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	6521	2.562	ng	# 1
77) Benzidine	20.02	184	15433	2.710	ng	# 94

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

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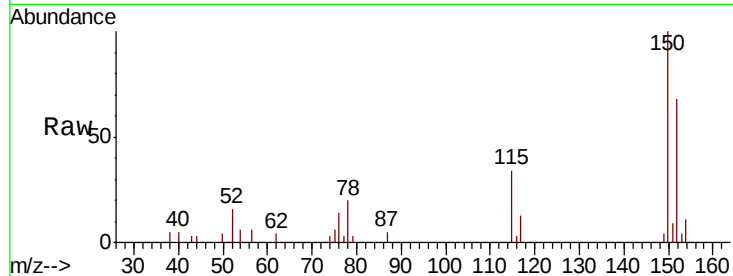




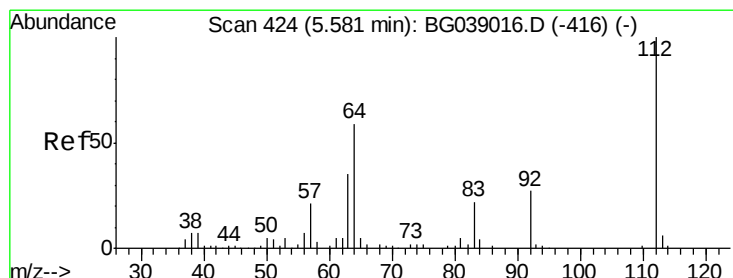
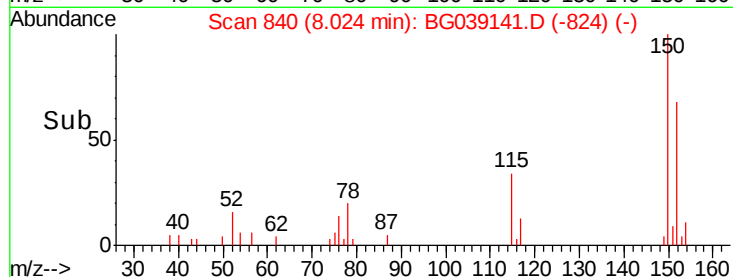
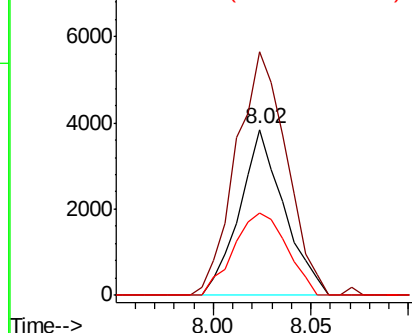
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-011119-B

Tgt Ion:152 Resp: 6064
 Ion Ratio Lower Upper
 152 100
 150 146.8 124.7 187.1
 115 50.0 46.5 69.7

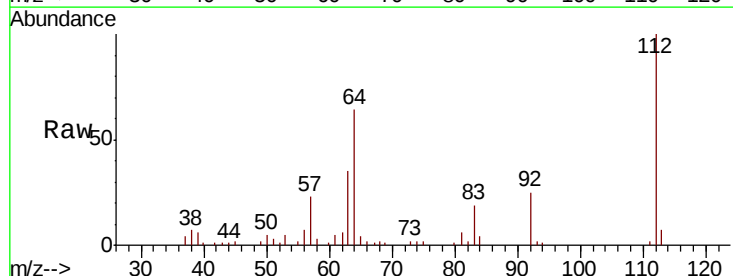


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

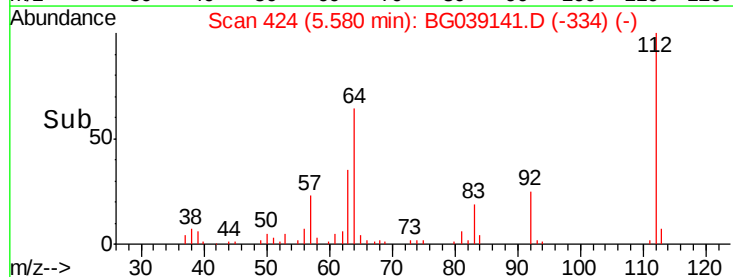
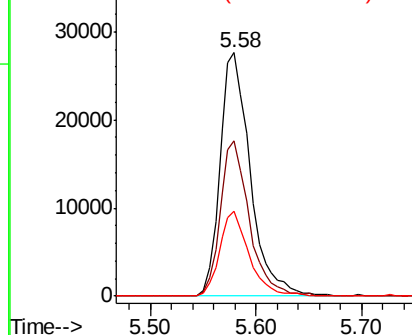


#5
 2-Fluorophenol
 Concen: 171.898 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Tgt Ion:112 Resp: 54950
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.0 70.6
 63 34.8 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: 172.191 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

Instrument :

BNA_G

ClientSampleId :

SU-02-011119-B

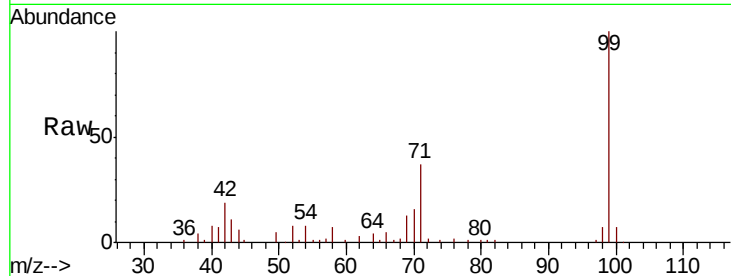
Tgt Ion: 99 Resp: 79215

Ion Ratio Lower Upper

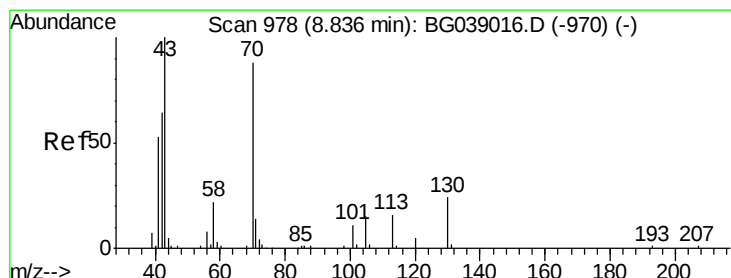
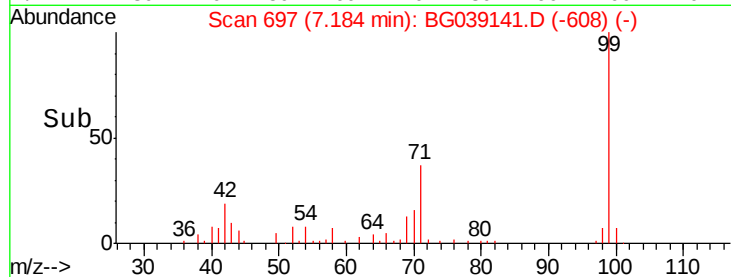
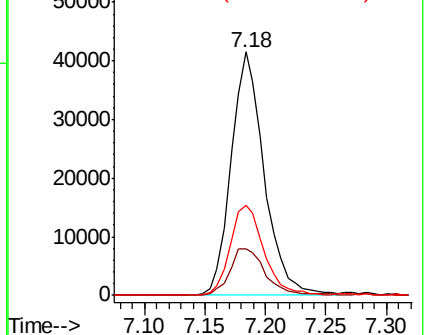
99 100

42 19.2 15.8 23.6

71 37.1 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: 23.373 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

Tgt Ion: 70 Resp: 7061

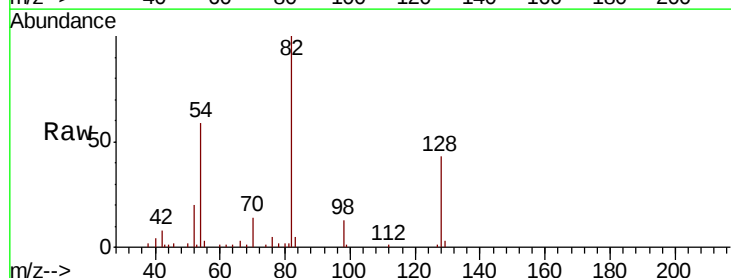
Ion Ratio Lower Upper

70 100

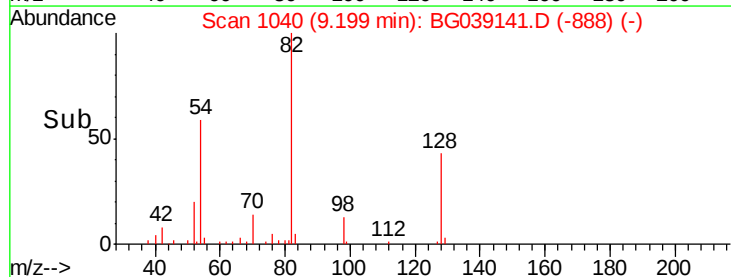
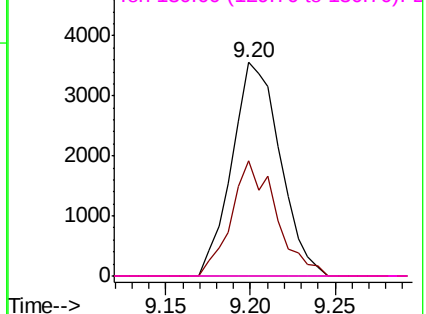
42 54.0 59.0 88.4#

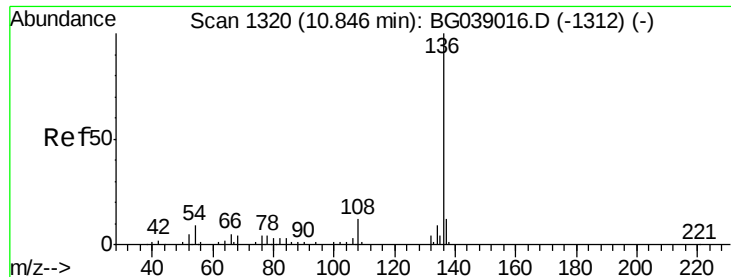
101 0.0 10.4 15.6#

130 0.0 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

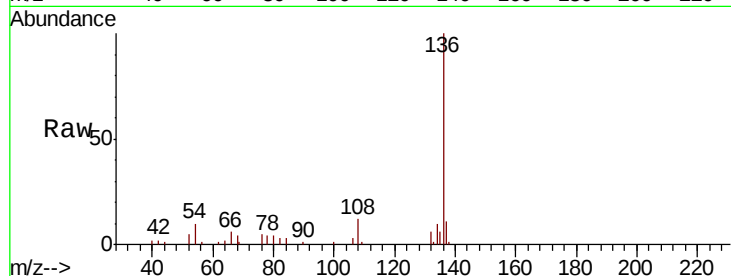




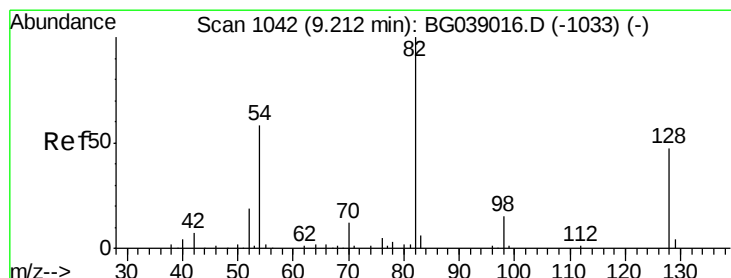
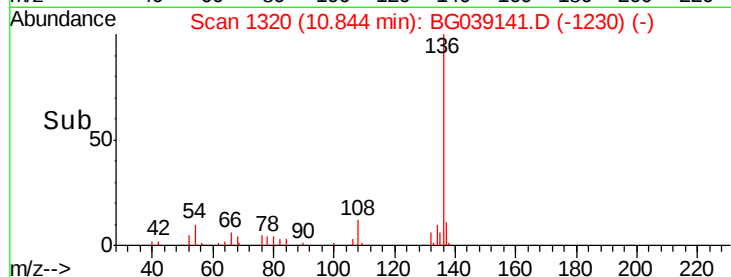
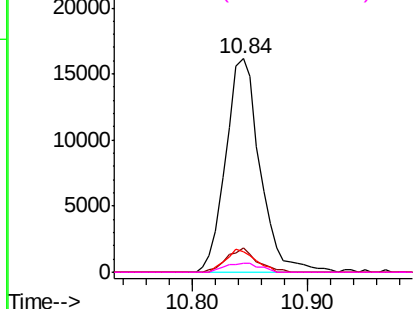
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039141.D
Acq: 15 Jan 2019 21:10

Instrument :
BNA_G
ClientSampleId :
SU-02-011119-B

Tgt Ion:	136	Resp:	33295
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.2
54	9.8	7.2	10.8
68	5.1	3.5	5.3

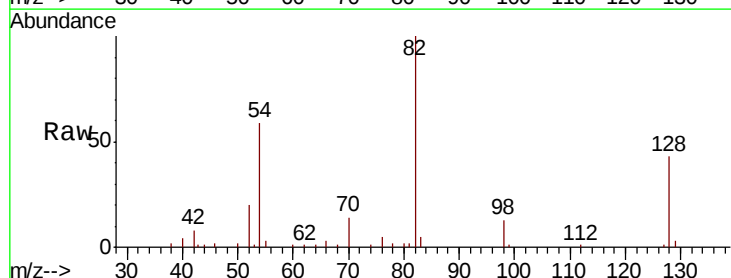


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

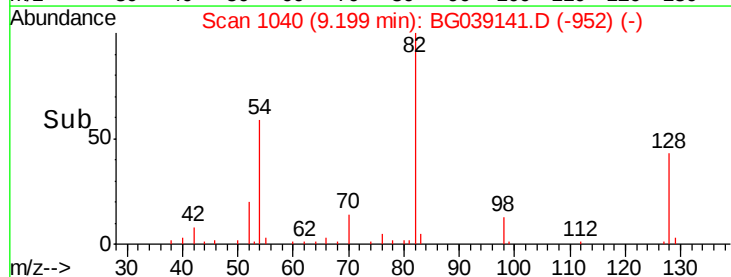
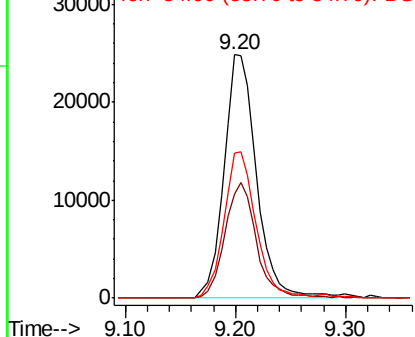


#23
Nitrobenzene-d5
Concen: 84.110 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039141.D
Acq: 15 Jan 2019 21:10

Tgt Ion:	82	Resp:	51178
Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.3	55.9
54	59.5	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: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

Instrument :

BNA_G

ClientSampleId :

SU-02-011119-B

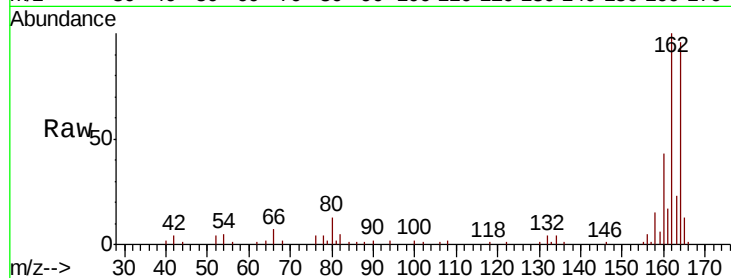
Tgt Ion:164 Resp: 37213

Ion Ratio Lower Upper

164 100

162 103.7 87.2 130.8

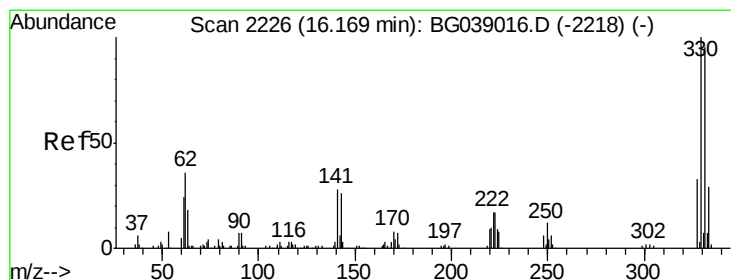
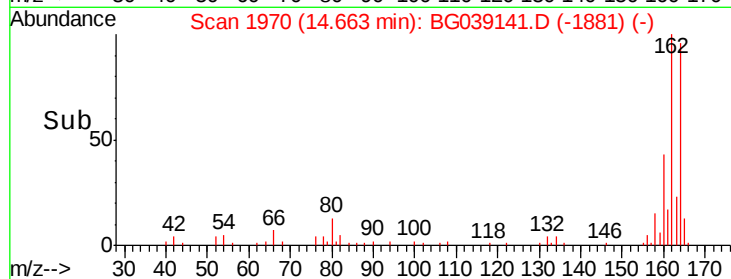
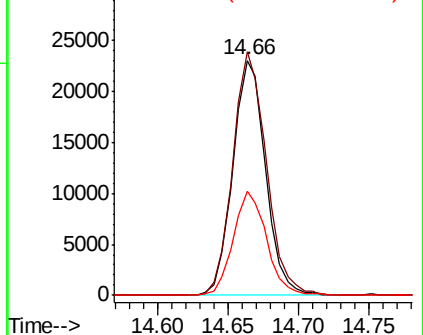
160 44.3 33.3 49.9



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: 171.267 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

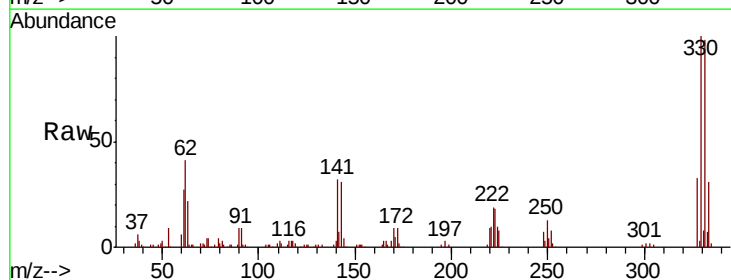
Tgt Ion:330 Resp: 106835

Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

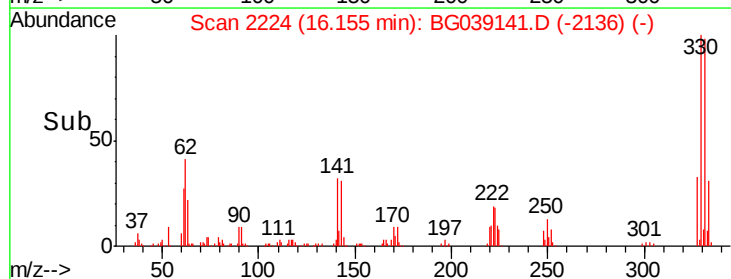
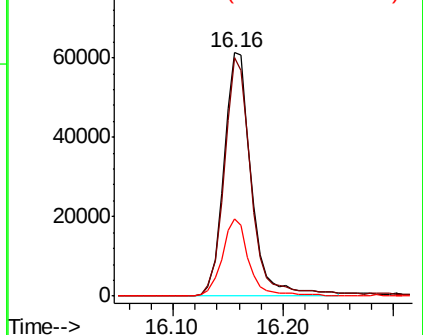
141 31.4 24.9 37.3



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

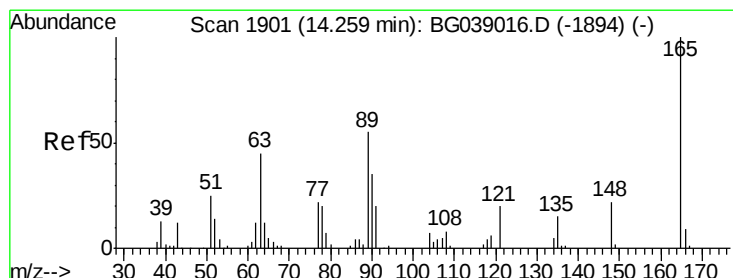
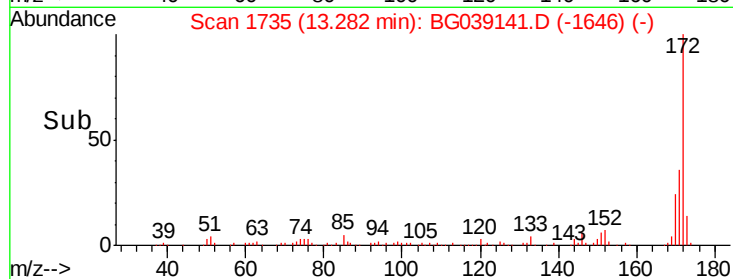
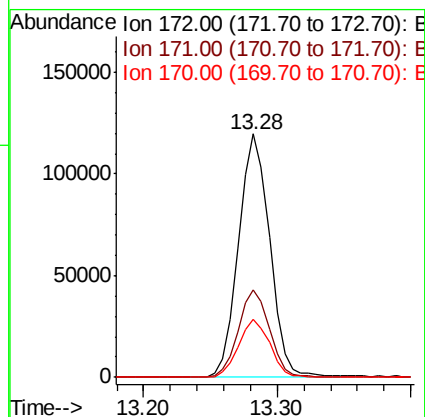
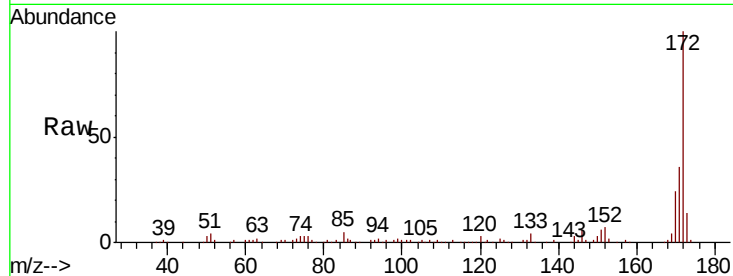




#45
 2-Fluorobiphenyl
 Concen: 71.373 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

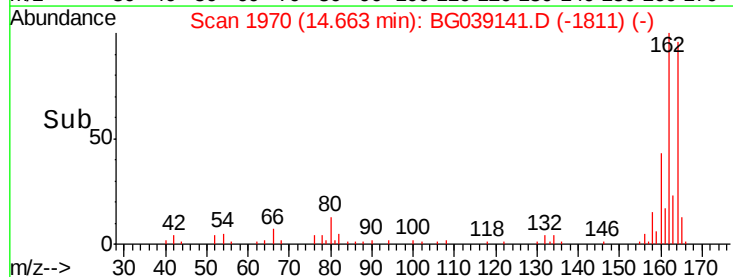
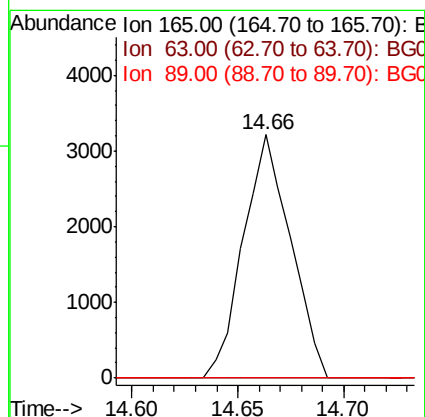
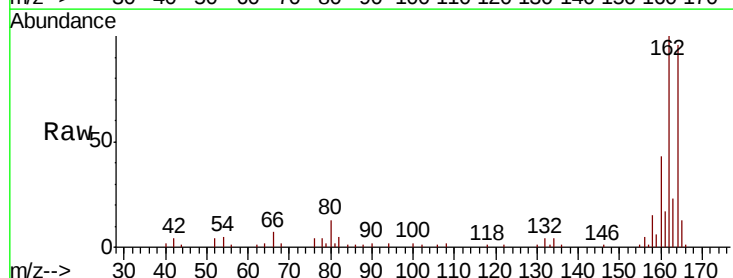
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-011119-B

Tgt Ion:172 Resp: 194071
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 23.7 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.120 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Tgt Ion:165 Resp: 5006
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

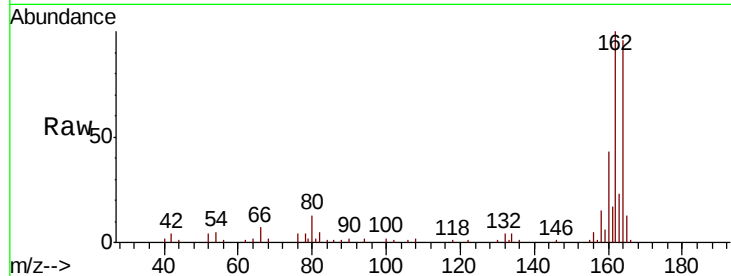




#57
 2,4-Dinitrotoluene
 Concen: 4.963 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-011119-B

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#

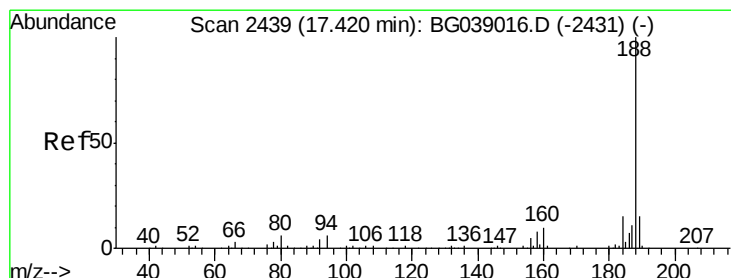
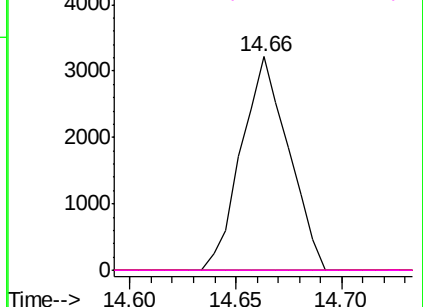
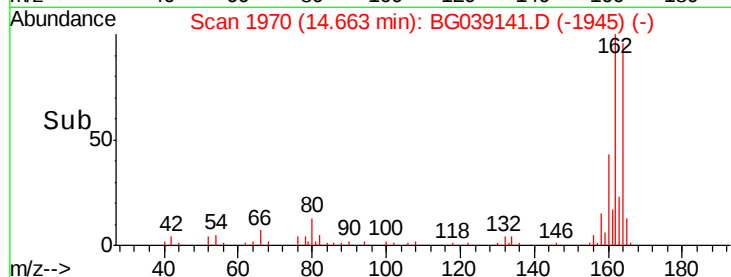


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

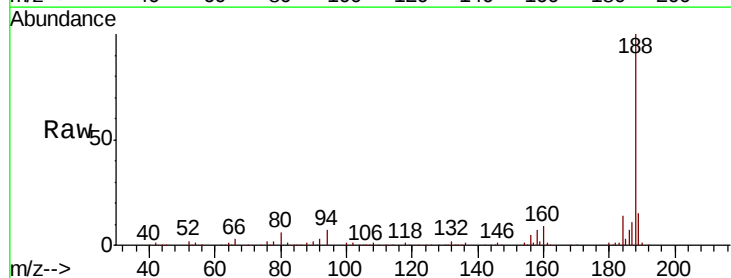
Ion 89.00 (88.70 to 89.70): BGC

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: BG039141.D
 Acq: 15 Jan 2019 21:10

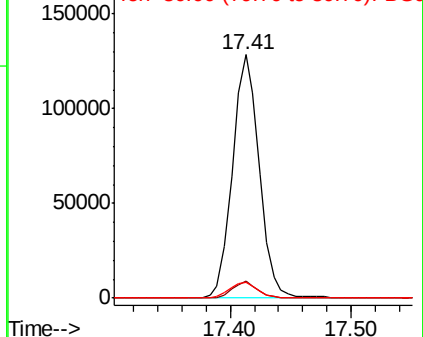
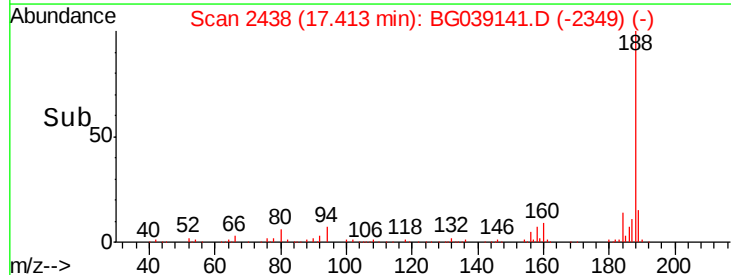
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.0	7.4
80	6.3	4.7	7.1

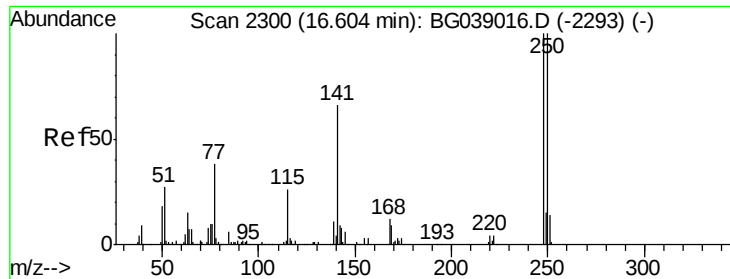


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

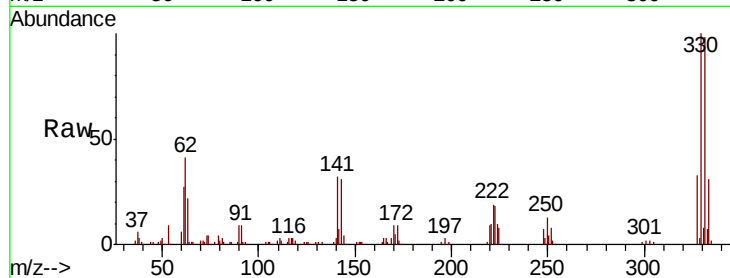




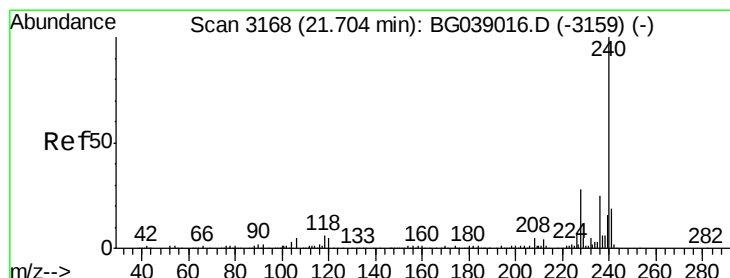
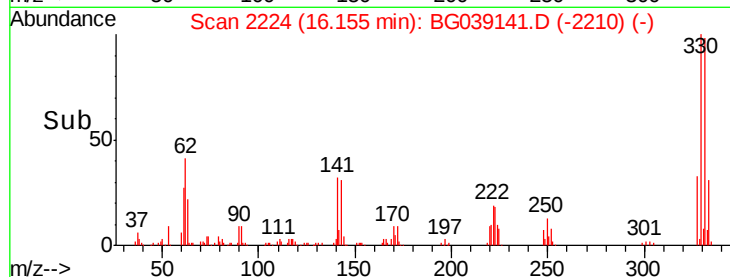
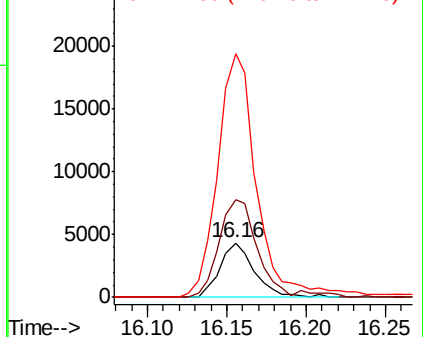
#67
 4-Bromophenyl-phenylether
 Concen: 2.562 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-011119-B

Tgt Ion:248 Resp: 6521
 Ion Ratio Lower Upper
 248 100
 250 167.3 79.9 119.9#
 141 320.4 52.7 79.1#

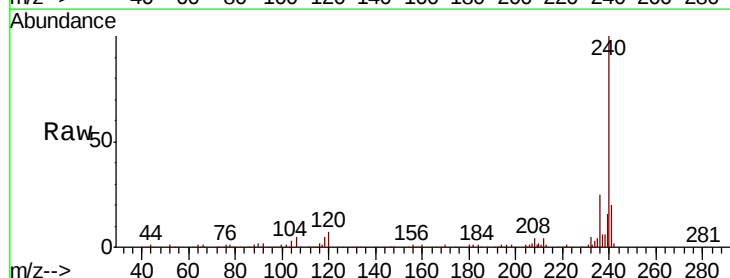


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

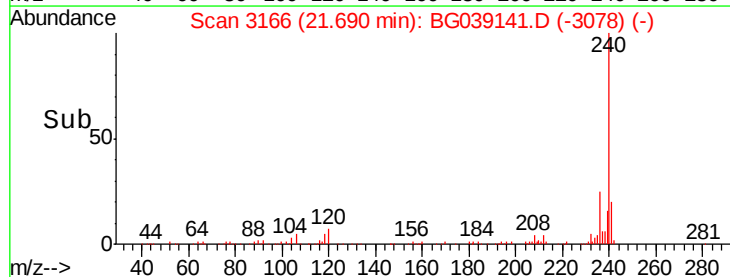
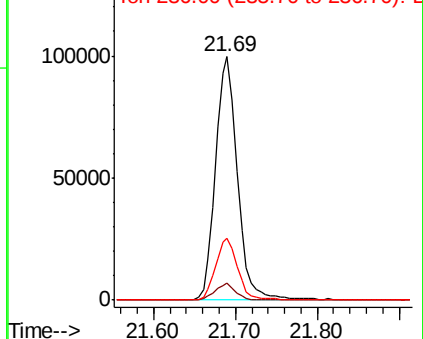


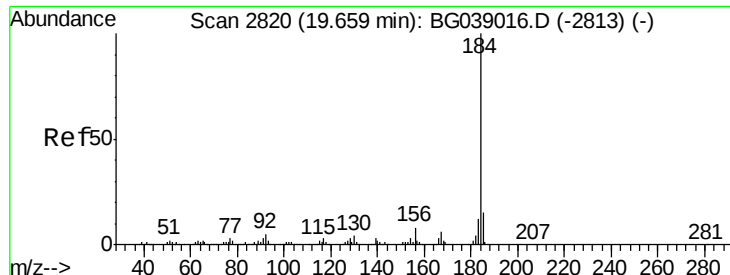
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG039141.D
 Acq: 15 Jan 2019 21:10

Tgt Ion:240 Resp: 186195
 Ion Ratio Lower Upper
 240 100
 120 7.0 4.3 6.5#
 236 25.4 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: 2.710 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

Instrument :

BNA_G

ClientSampleId :

SU-02-011119-B

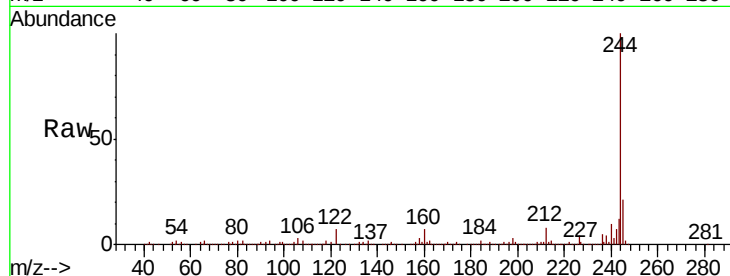
Tgt Ion:184 Resp: 15433

Ion Ratio Lower Upper

184 100

185 13.7 12.1 18.1

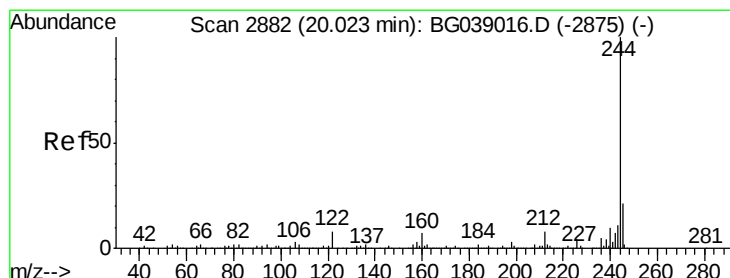
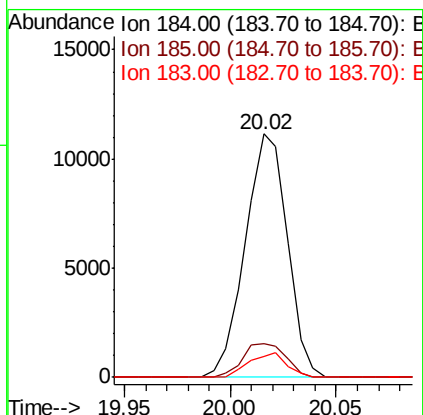
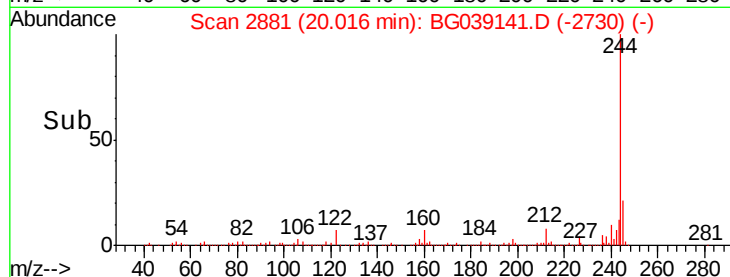
183 8.4 9.5 14.3#



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: 98.642 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039141.D

Acq: 15 Jan 2019 21:10

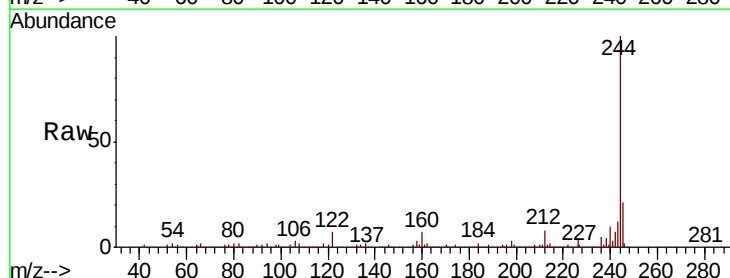
Tgt Ion:244 Resp: 992851

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

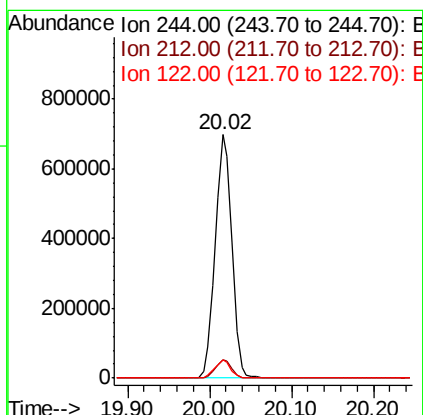
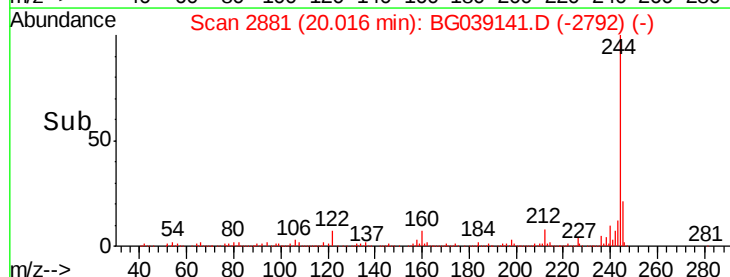
122 7.4 6.1 9.1

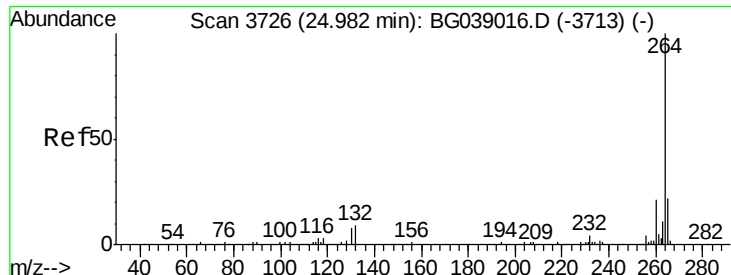


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.97 min Scan# 3724
Delta R.T. -0.01 min
Lab File: BG039141.D
Acq: 15 Jan 2019 21:10

Instrument :
BNA_G
ClientSampleId :
SU-02-011119-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.0	25.6
265	23.1	17.2	25.8

