

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011619\
 Data File : BG039155.D
 Acq On : 16 Jan 2019 13:46
 Operator : JU/SJ
 Sample : K1015-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 14:35:07 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 16 14:03:14 2019
 Response via : Initial Calibration

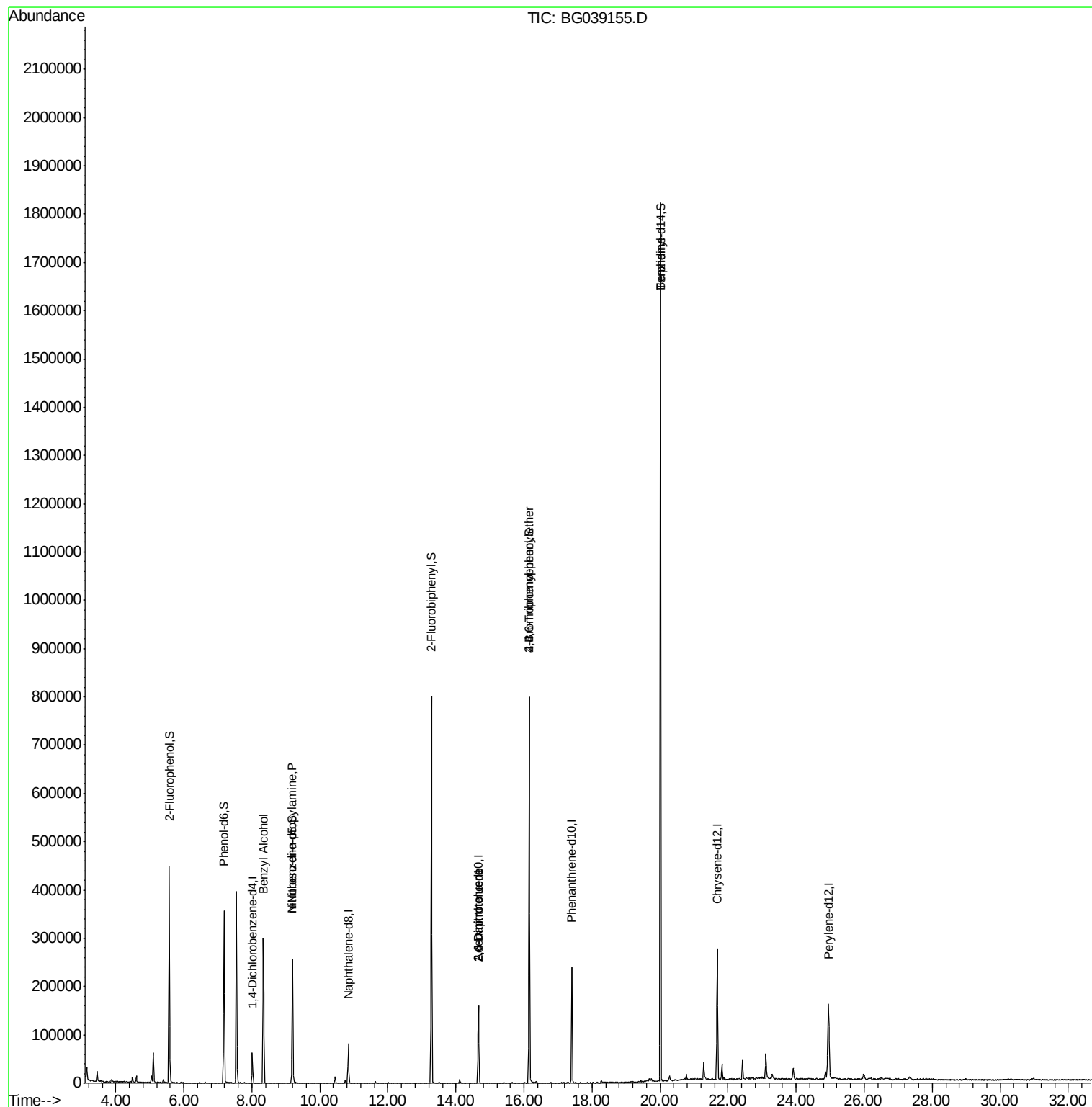
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	18377	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	76731	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	59060	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	164277	20.00	ng	0.00
76) Chrysene-d12	21.68	240	173862	20.00	ng	0.00
87) Perylene-d12	24.95	264	193417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	201433	207.93	ng	0.00
7) Phenol-d6	7.18	99	212668	152.54	ng	0.00
23) Nitrobenzene-d5	9.20	82	159092	113.45	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	176739	178.52	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	450985	104.50	ng	0.00
79) Terphenyl-d14	20.01	244	917052	97.57	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.34	79	2357	2.245	ng	# 49
19) n-Nitroso-di-n-propylamine	9.20	70	21269	23.232	ng	# 67
51) 2,6-Dinitrotoluene	14.66	165	7552	6.768	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7552	4.718	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	11009	5.213	ng	# 1
77) Benzidine	20.01	184	14749	2.774	ng	96

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

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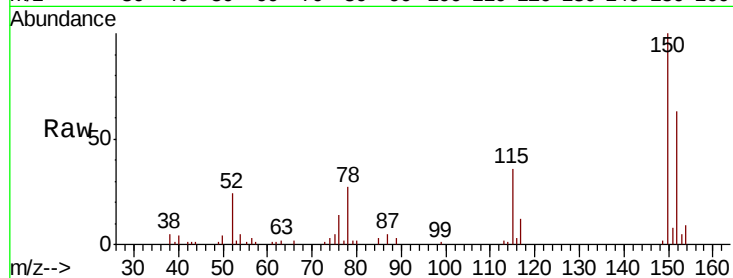


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039155.D
Acq: 16 Jan 2019 13:46

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.7	187.1
115	56.7	46.5	69.7

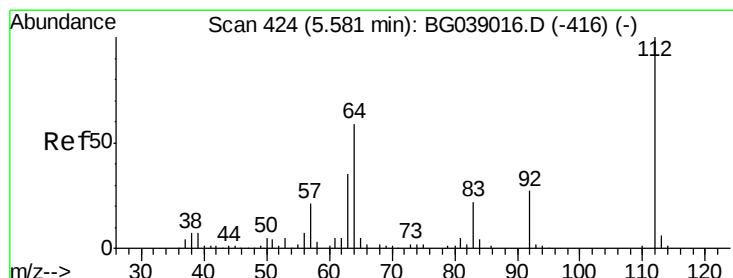
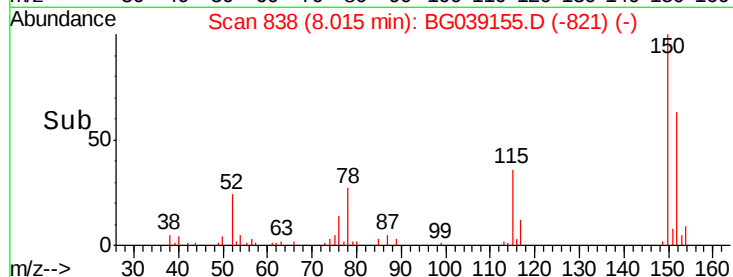
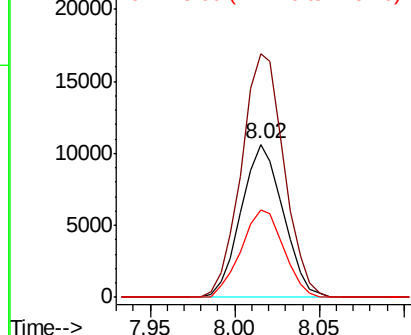


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

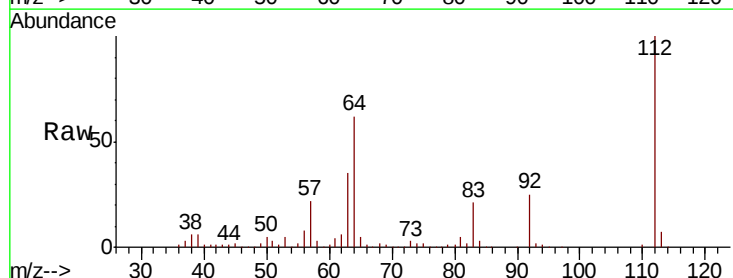
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 207.931 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039155.D
Acq: 16 Jan 2019 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.0	70.6
63	34.8	28.0	42.0

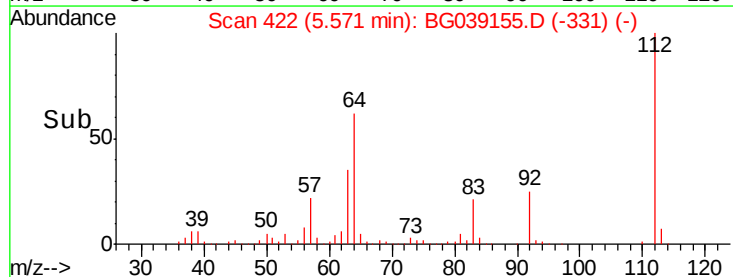
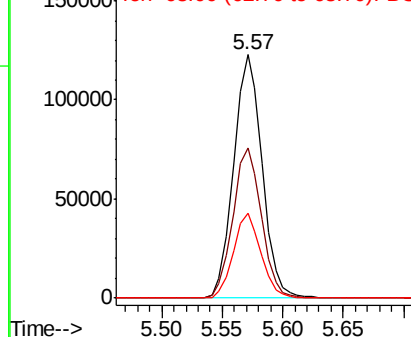


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 152.542 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Instrument :

BNA_G

ClientSampleId :

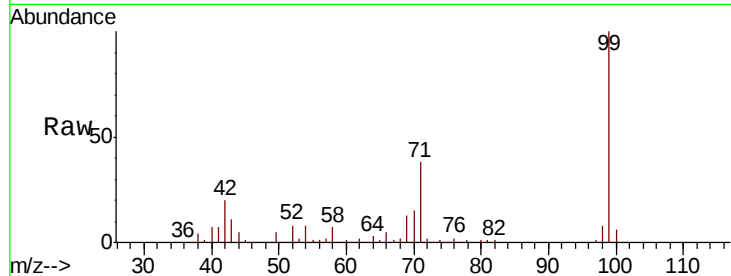
Tot Ion: 99 Resp: 212668

Ion Ratio Lower Upper

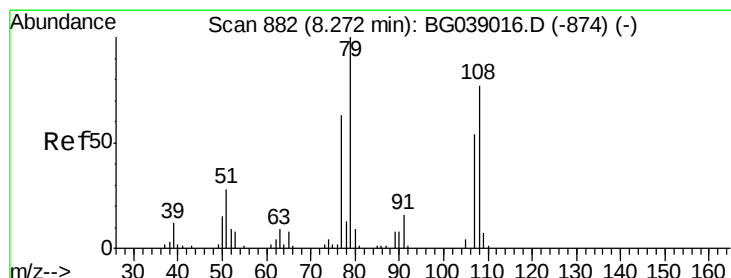
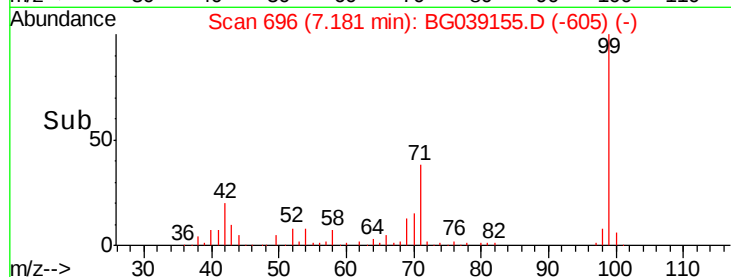
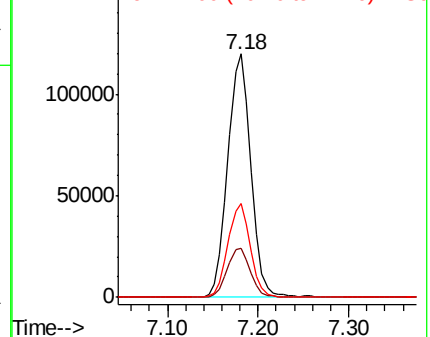
99 100

42 20.3 15.8 23.6

71 38.5 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



#15

Benzyl Alcohol

Concen: 2.245 ng

RT: 8.34 min Scan# 893

Delta R.T. 0.07 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

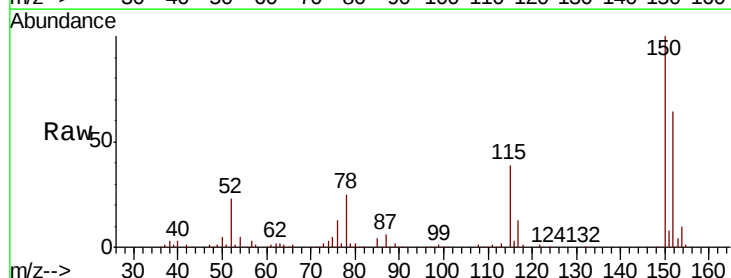
Tgt Ion: 79 Resp: 2357

Ion Ratio Lower Upper

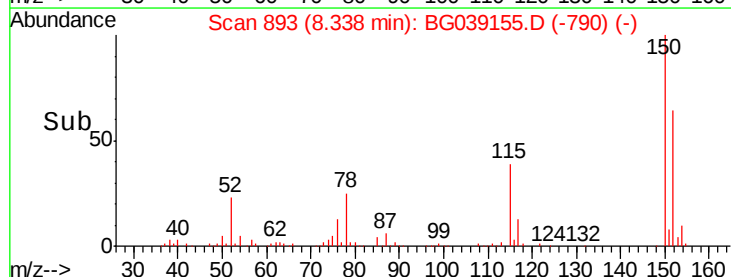
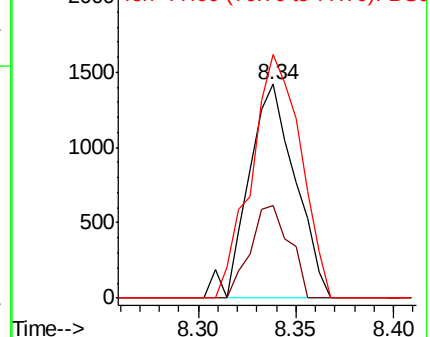
79 100

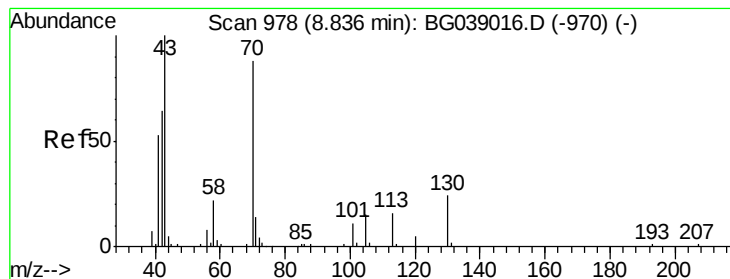
108 43.6 62.0 93.0#

77 113.9 50.1 75.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 23.232 ng

RT: 9.20 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21269

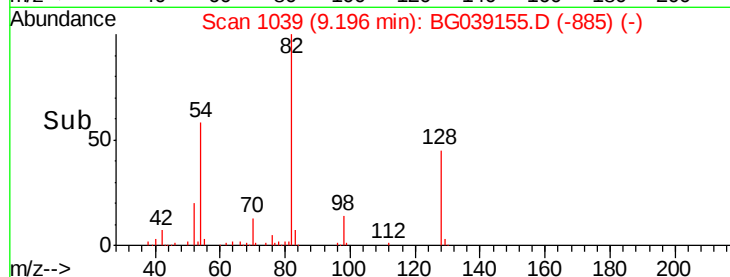
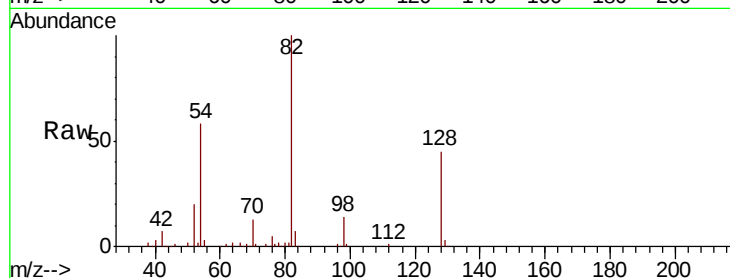
Ion Ratio Lower Upper

70 100

42 49.2 59.0 88.4#

101 0.0 10.4 15.6#

130 3.5 21.6 32.4#

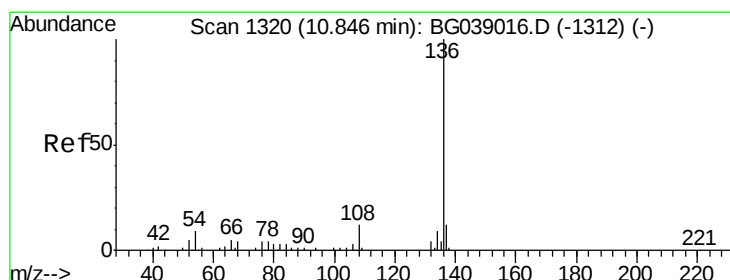
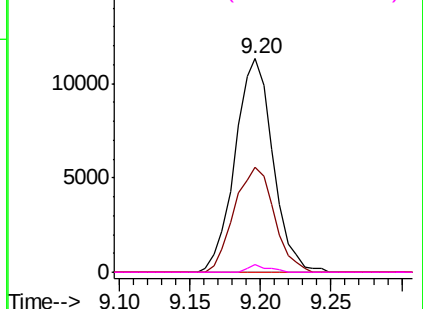


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1318

Delta R.T. 0.00 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Tgt Ion:136 Resp: 76731

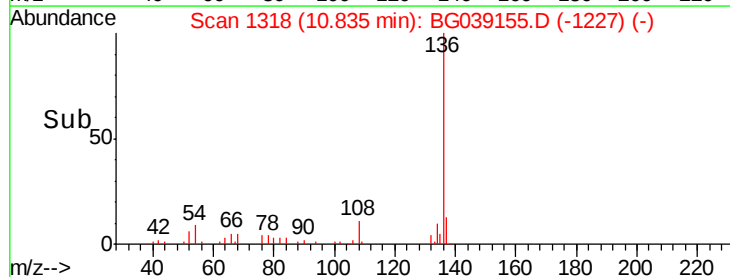
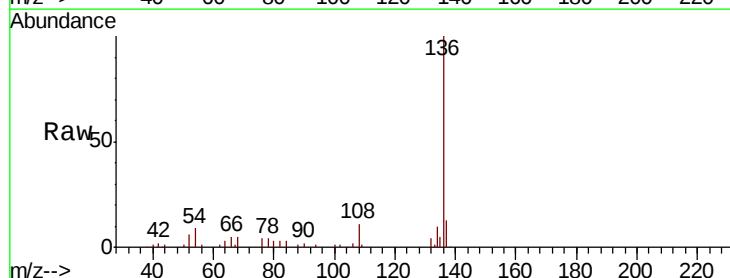
Ion Ratio Lower Upper

136 100

137 12.6 9.4 14.2

54 9.4 7.2 10.8

68 4.8 3.5 5.3

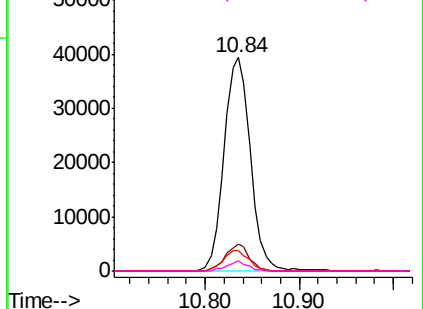


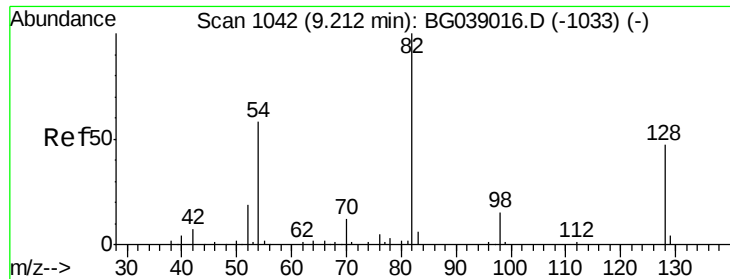
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

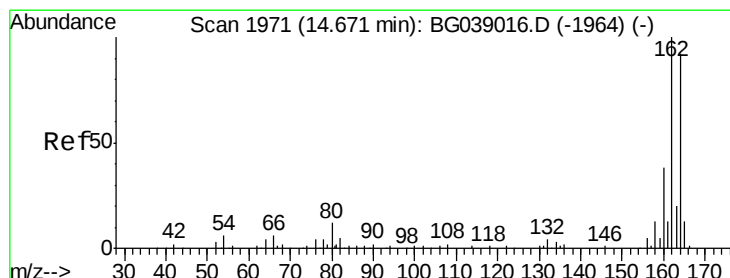
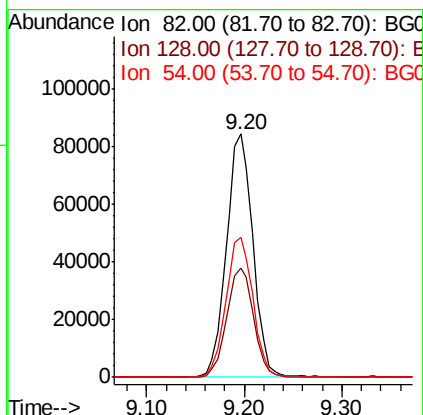
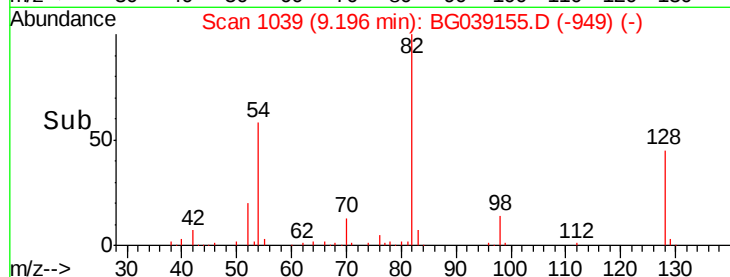
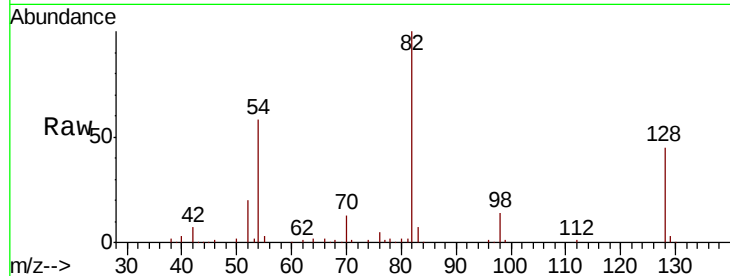




#23
Nitrobenzene-d5
Concen: 113.454 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG039155.D
Acq: 16 Jan 2019 13:46

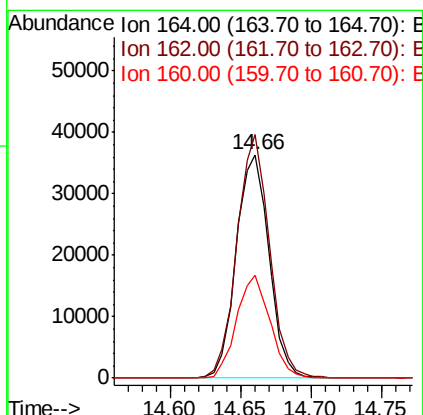
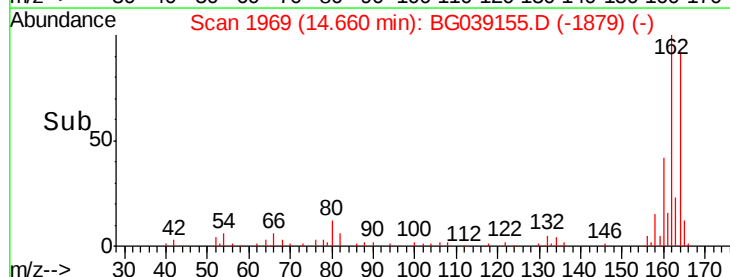
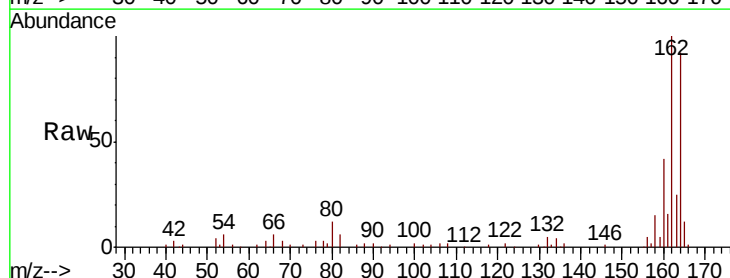
Instrument :
BNA_G
ClientSampled :

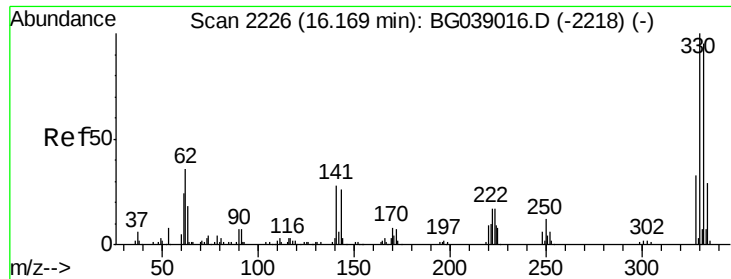
Tot Ion: 82 Resp: 159092
Ion Ratio Lower Upper
82 100
128 45.0 37.3 55.9
54 57.5 46.4 69.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG039155.D
Acq: 16 Jan 2019 13:46

Tgt Ion: 164 Resp: 59060
Ion Ratio Lower Upper
164 100
162 109.1 87.2 130.8
160 45.9 33.3 49.9

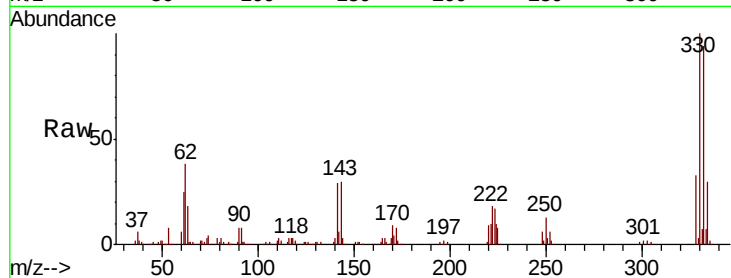




#42
 2,4,6-Tribromophenol
 Concen: 178.523 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	75.7	113.5
141	30.7	24.9	37.3

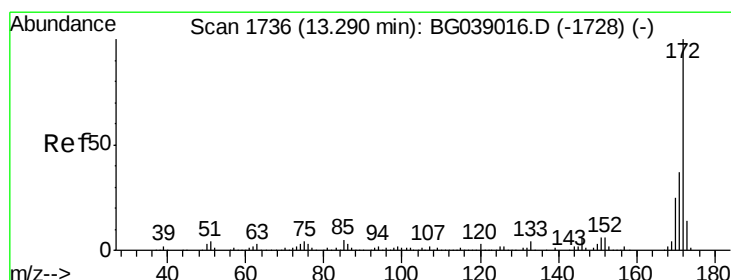
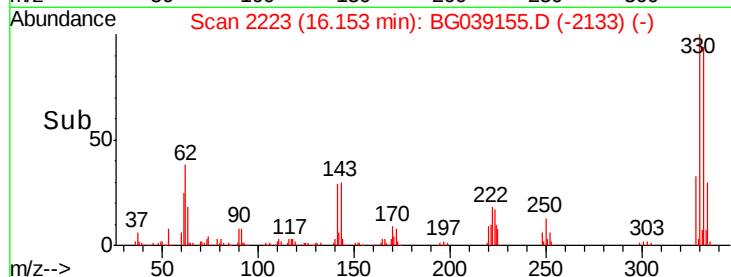
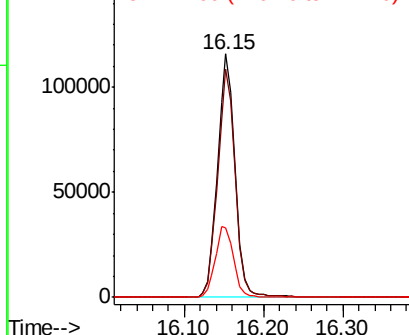


Abundance

Ion 329.80 (329.50 to 330.50): E

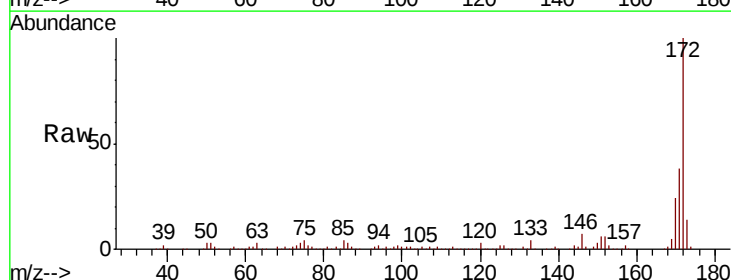
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.504 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.0
170	24.4	20.1	30.1

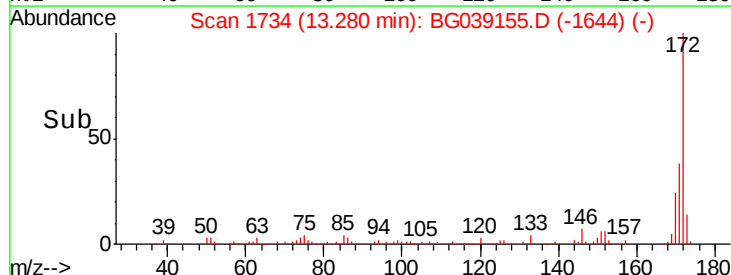
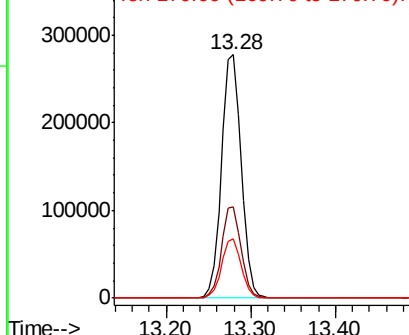


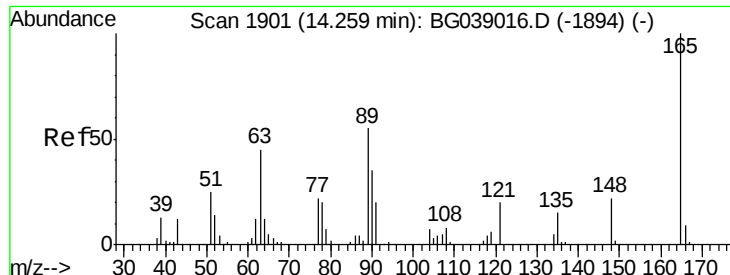
Abundance

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: 6.768 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.41 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Instrument :

BNA_G

ClientSampleId :

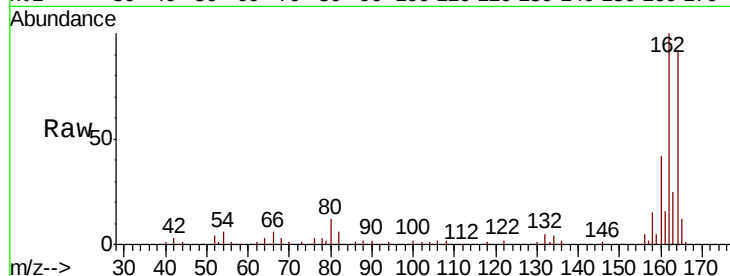
Tot Ion:165 Resp: 7552

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

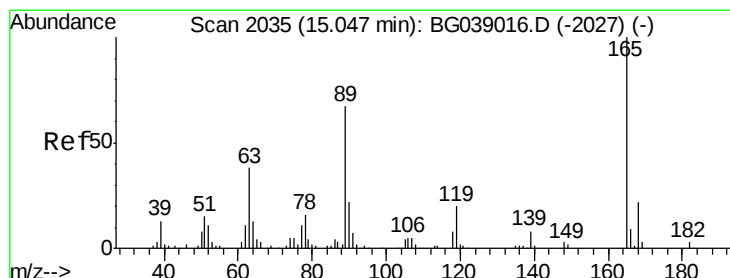
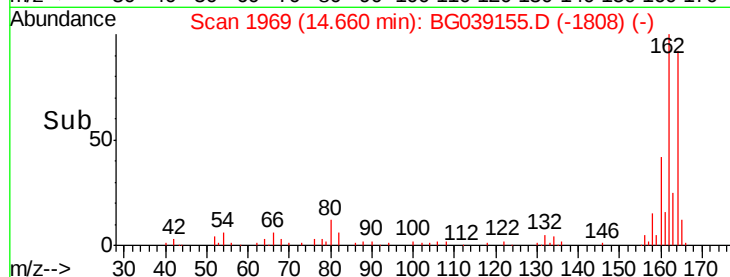
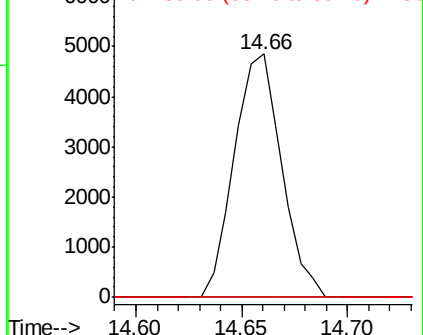
89 0.0 43.7 65.5#



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: 4.718 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Tgt Ion:165 Resp: 7552

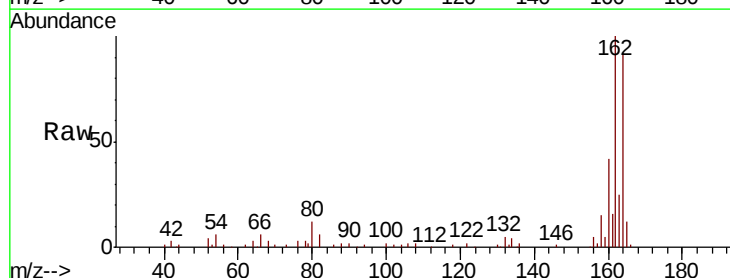
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

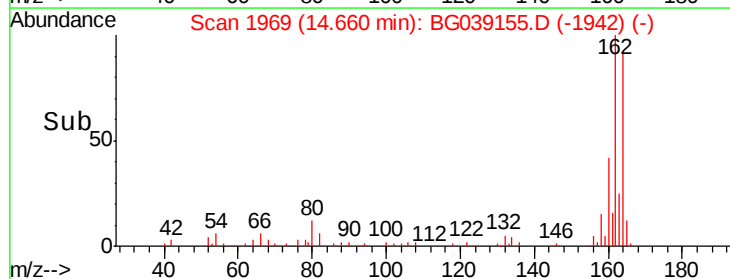
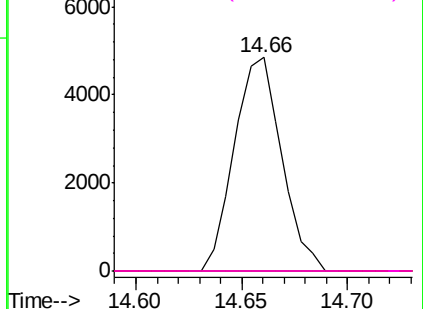


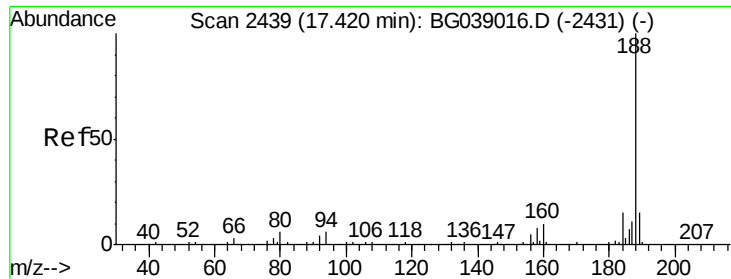
Abundance Ion 165.00 (164.70 to 165.70): E

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

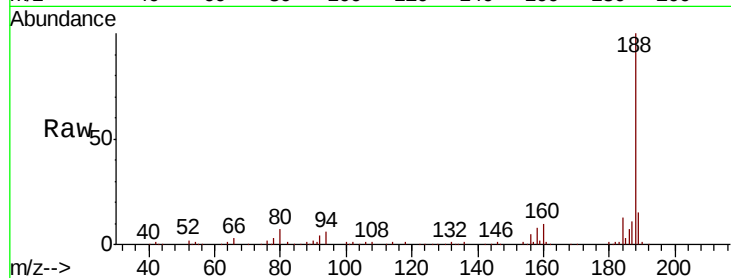




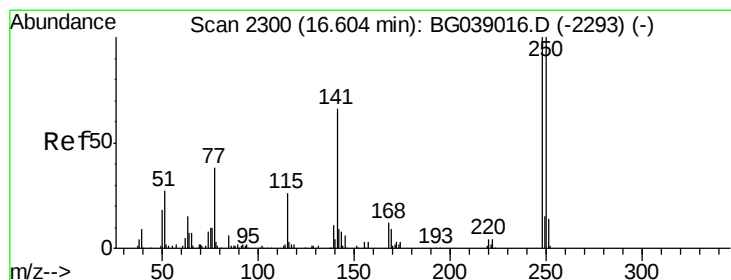
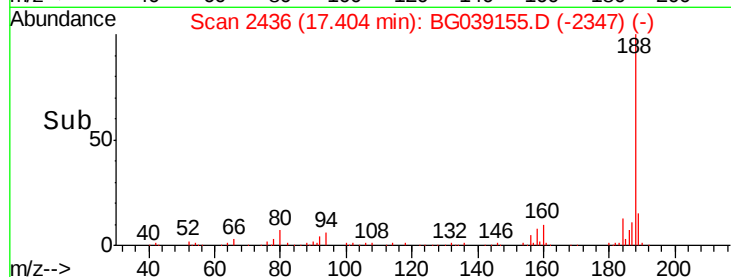
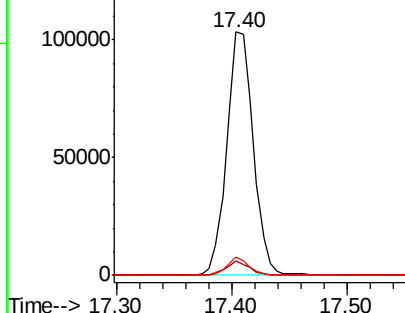
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 164277
 Ion Ratio Lower Upper
 188 100
 94 5.8 5.0 7.4
 80 7.3 4.7 7.1#

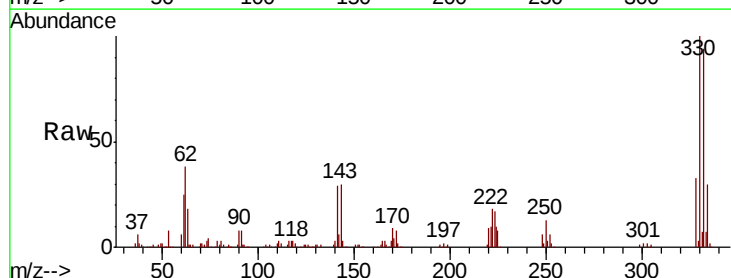


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

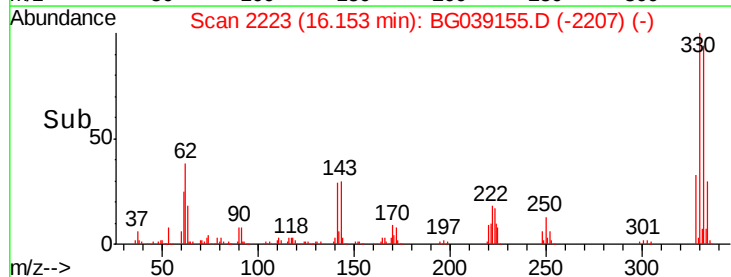
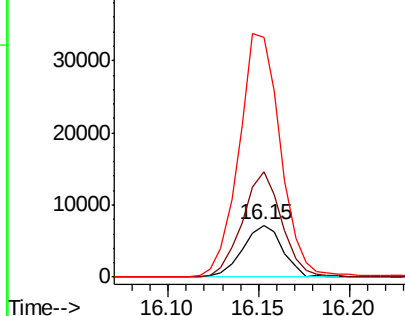


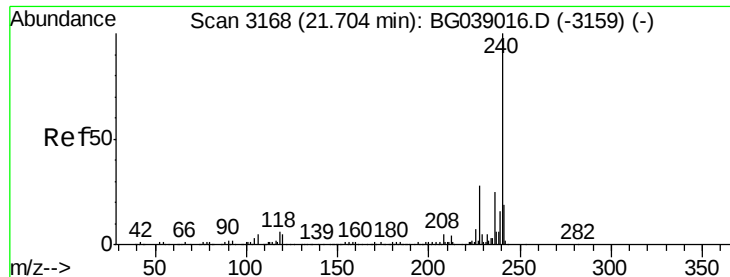
#67
 4-Bromophenyl-phenylether
 Concen: 5.213 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.44 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

Tgt Ion:248 Resp: 11009
 Ion Ratio Lower Upper
 248 100
 250 190.0 79.9 119.9#
 141 342.4 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

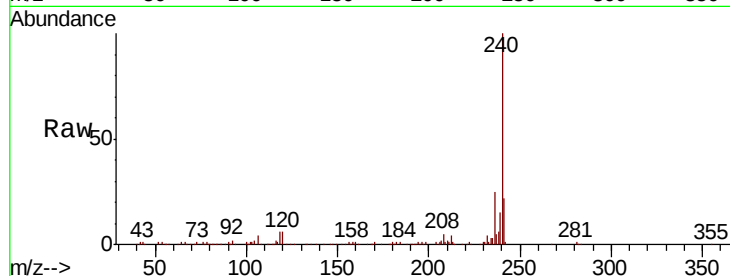




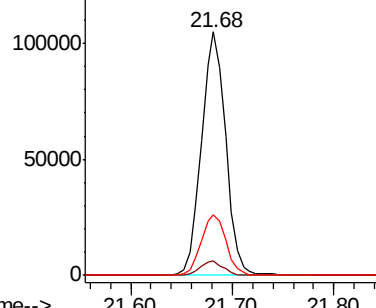
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :

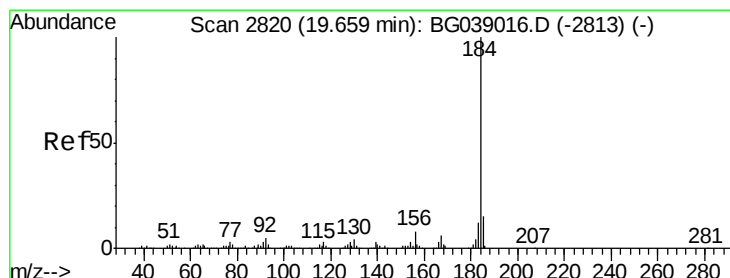
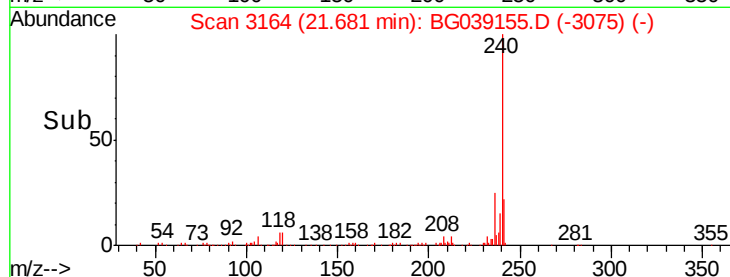
Tot Ion:240 Resp: 173862
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.3 6.5
 236 24.9 20.1 30.1



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

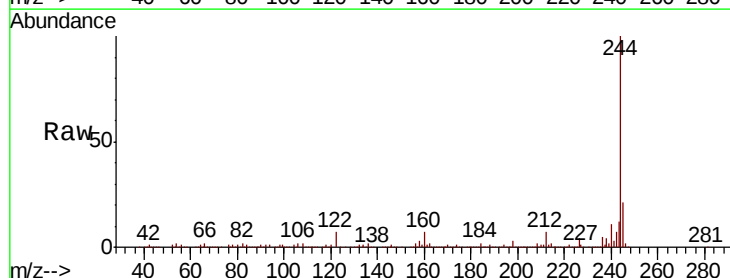


Time-->

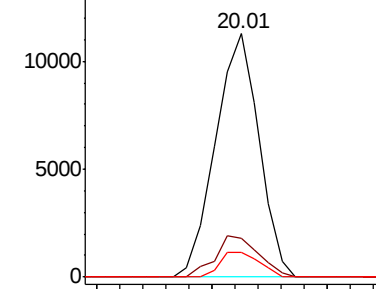


#77
 Benzidine
 Concen: 2.774 ng
 RT: 20.01 min Scan# 2880
 Delta R.T. 0.36 min
 Lab File: BG039155.D
 Acq: 16 Jan 2019 13:46

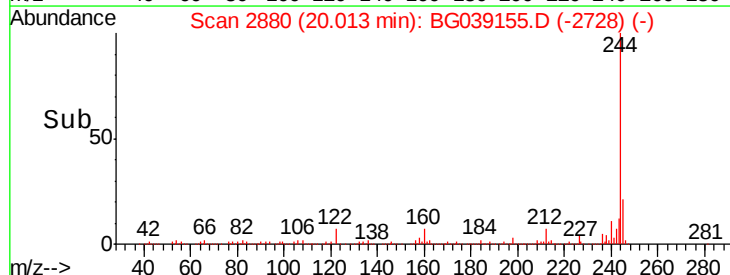
Tgt Ion:184 Resp: 14749
 Ion Ratio Lower Upper
 184 100
 185 16.2 12.1 18.1
 183 10.1 9.5 14.3

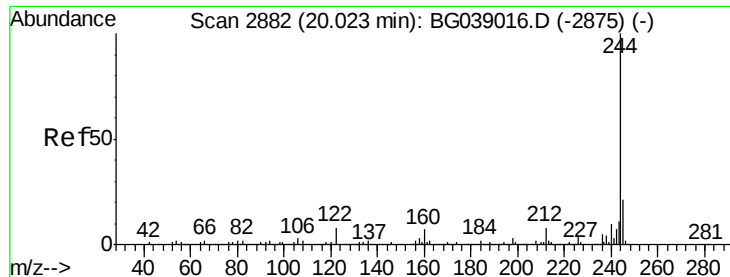


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 97.574 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

Instrument :

BNA_G

ClientSampleId :

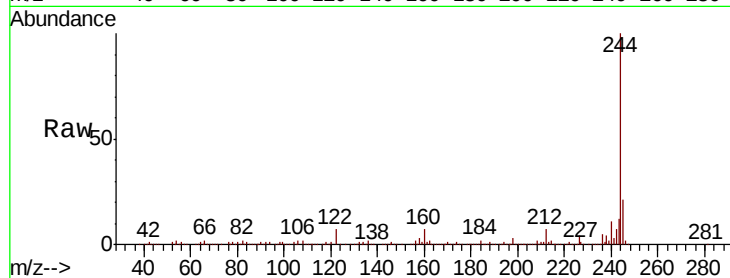
Tot Ion:244 Resp: 917052

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

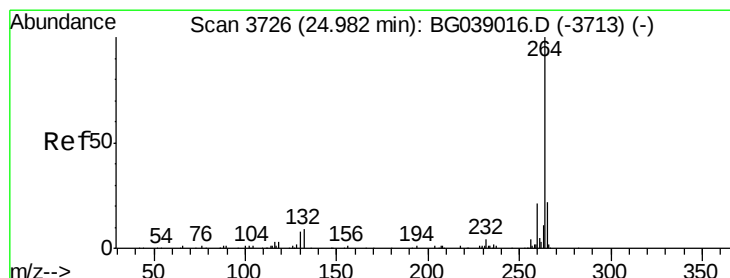
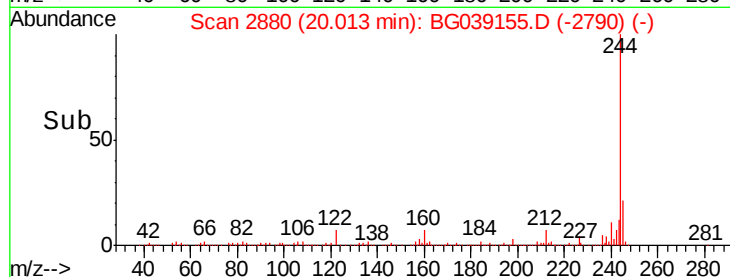
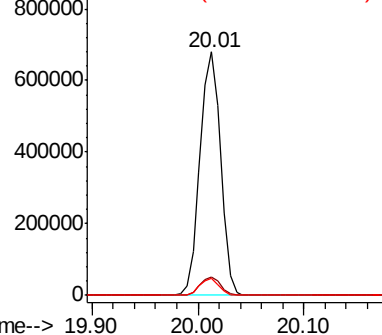
122 6.9 6.1 9.1



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: 24.95 min Scan# 3721

Delta R.T. -0.00 min

Lab File: BG039155.D

Acq: 16 Jan 2019 13:46

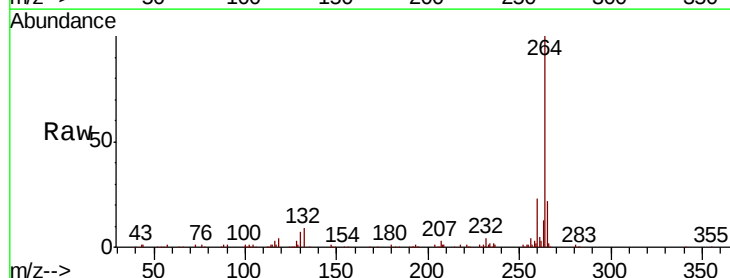
Tgt Ion:264 Resp: 193417

Ion Ratio Lower Upper

264 100

260 22.7 17.0 25.6

265 21.5 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

