

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039880.D
 Acq On : 12 Mar 2019 18:53
 Operator : JU/SJ
 Sample : K1842-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-07_030719

Quant Time: Mar 13 05:49:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

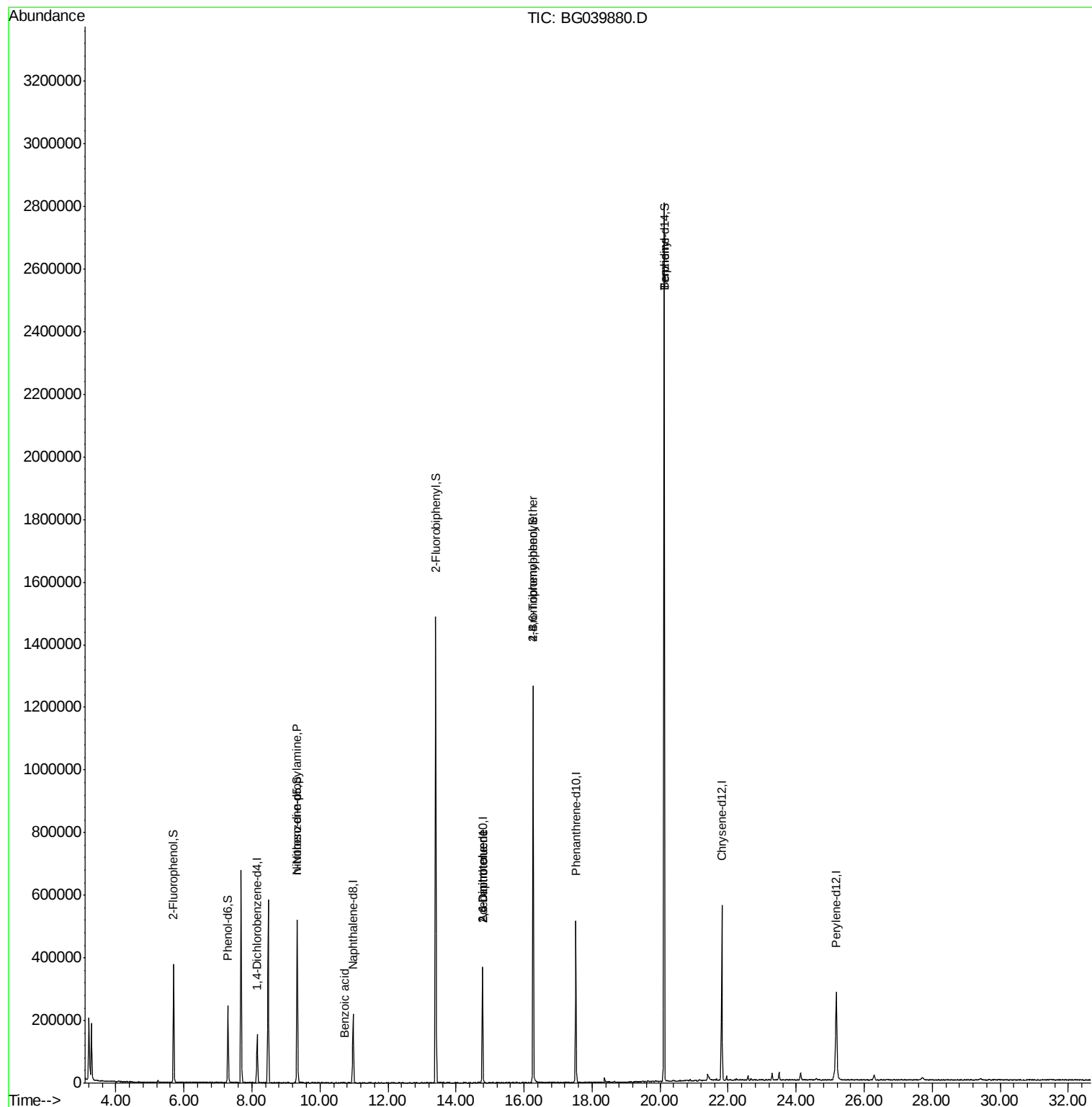
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44015	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	183420	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	132091	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	326714	20.00	ng	0.00
76) Chrysene-d12	21.81	240	339978	20.00	ng	0.00
87) Perylene-d12	25.18	264	332942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	158631	61.48	ng	0.00
7) Phenol-d6	7.29	99	139996	36.39	ng	0.00
23) Nitrobenzene-d5	9.33	82	317114	93.51	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	222190	144.32	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	799768	86.21	ng	0.00
79) Terphenyl-d14	20.12	244	1377820	89.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	41541	15.003	ng	# 68
32) Benzoic acid	10.73	122	54	6.624	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	17127	7.314	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	17127	5.206	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	17295	4.729	ng	# 1
77) Benzidine	20.12	184	24845	2.303	ng	# 94

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

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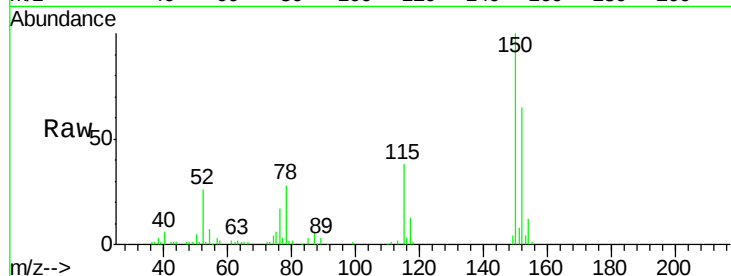


#1

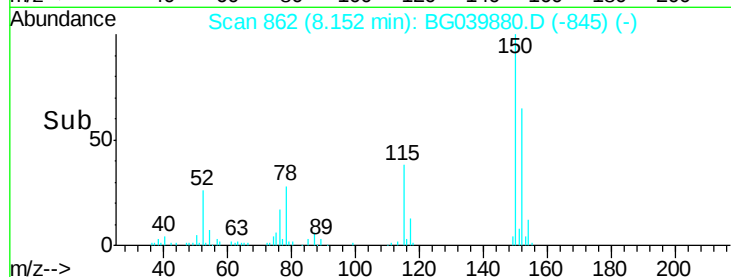
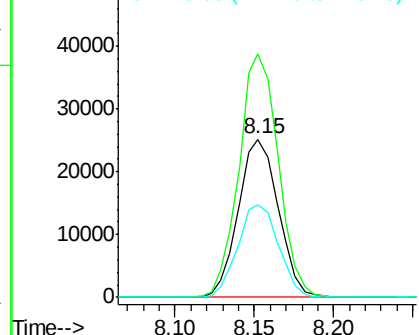
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

Instrument :
BNA_G
ClientSampleId :
C-MW-07_030719

Tgt Ion:152 Resp: 44015
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 58.9 45.9 68.9



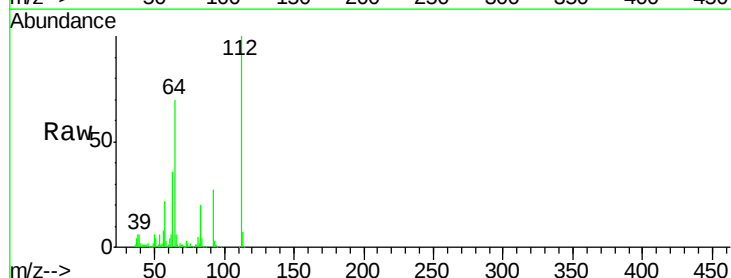
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



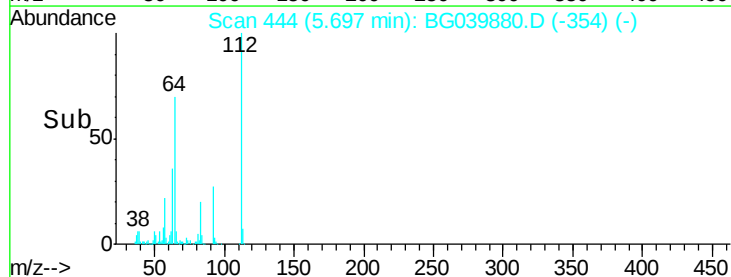
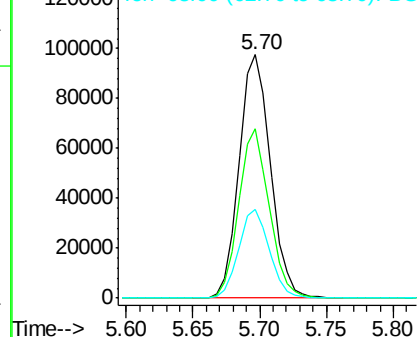
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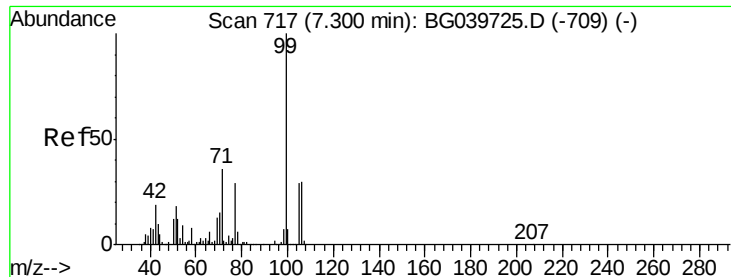
2-Fluorophenol
Concen: 61.485 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.00 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

Tgt Ion:112 Resp: 158631
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 36.4 29.8 44.6



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: 36.392 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

Instrument :

BNA_G

ClientSampleId :

C-MW-07_030719

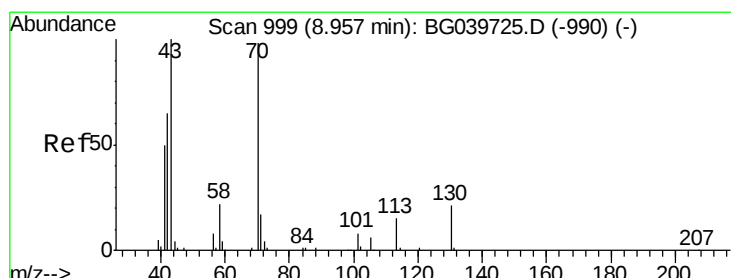
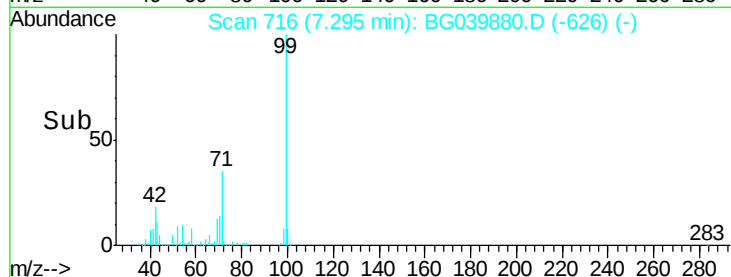
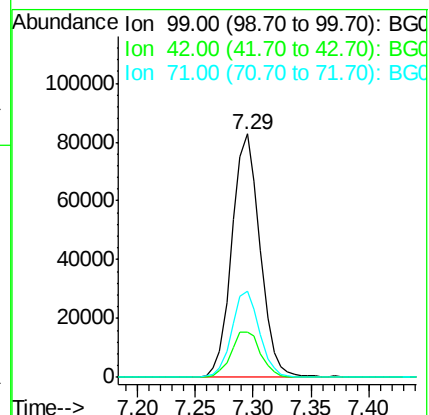
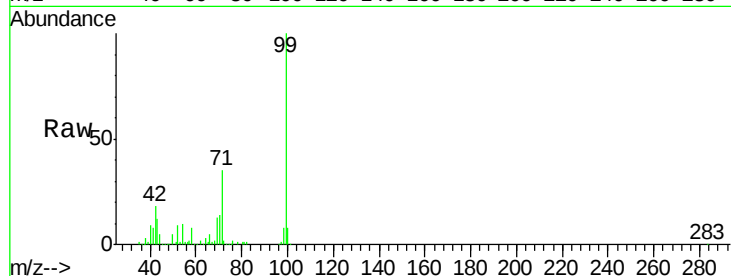
Tgt Ion: 99 Resp: 139996

Ion Ratio Lower Upper

99 100

42 18.3 18.2 27.2

71 35.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.003 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.38 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

Tgt Ion: 70 Resp: 41541

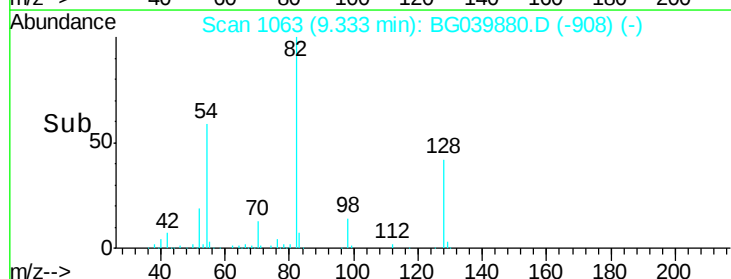
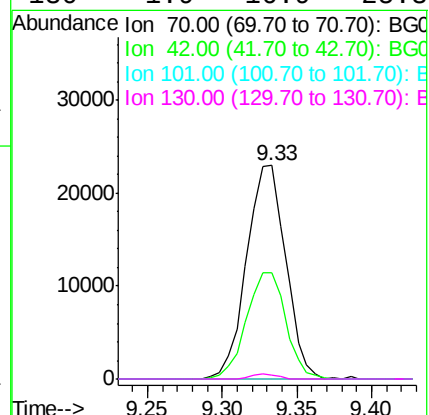
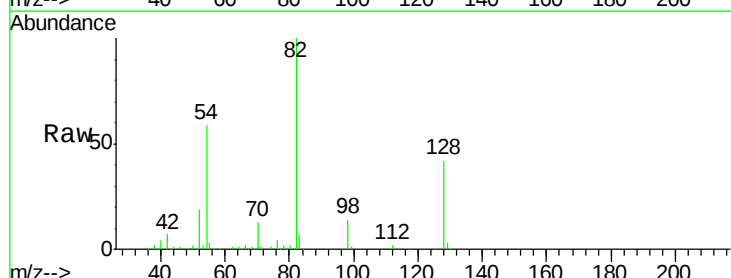
Ion Ratio Lower Upper

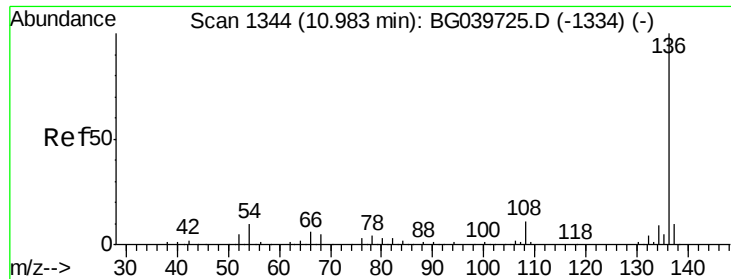
70 100

42 49.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

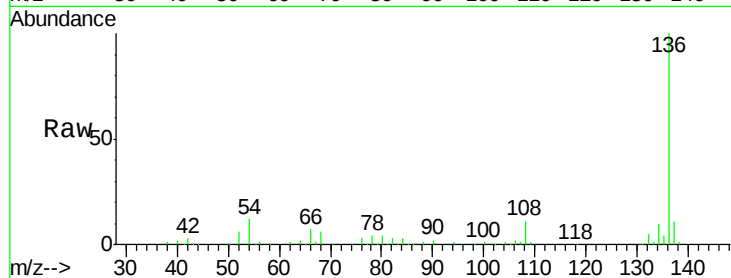




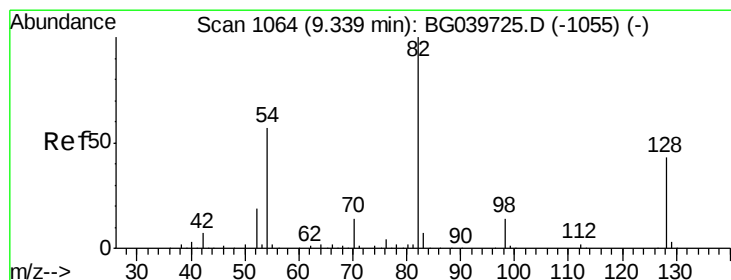
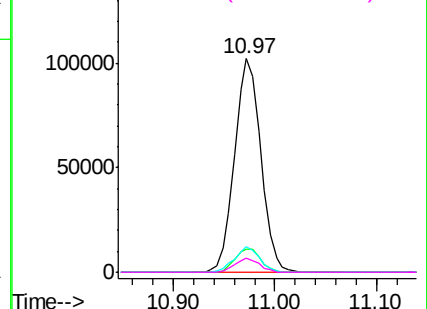
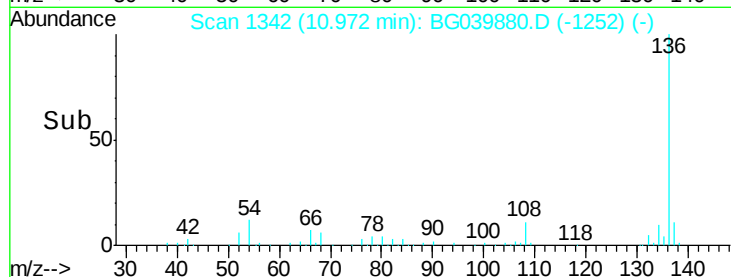
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

Instrument :
BNA_G
ClientSampleId :
C-MW-07_030719

Tgt Ion: 136 Resp: 183420
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 11.8 9.4 14.2
68 6.4 4.2 6.4#

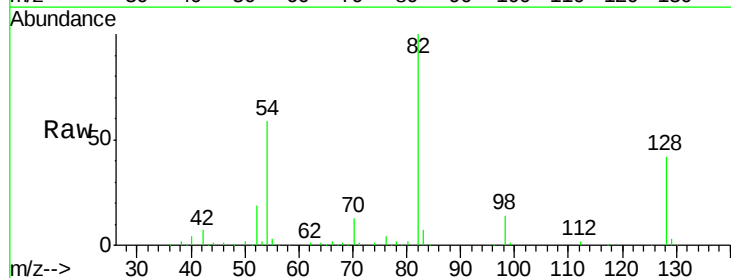


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

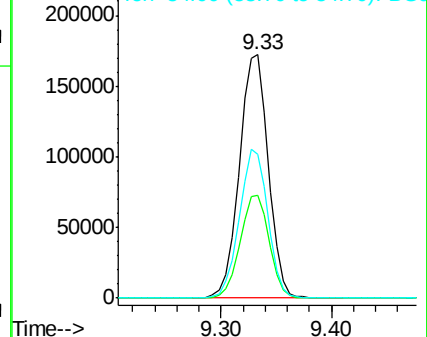
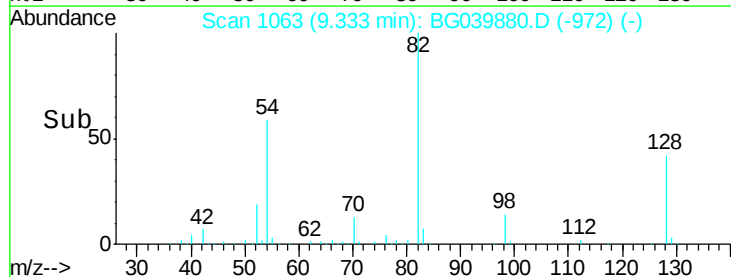


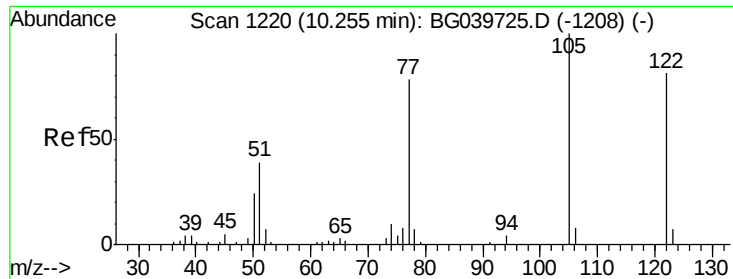
#23
Nitrobenzene-d5
Concen: 93.506 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

Tgt Ion: 82 Resp: 317114
Ion Ratio Lower Upper
82 100
128 42.2 31.3 46.9
54 59.3 50.9 76.3



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





#32

Benzoic acid

Concen: 6.624 ng

RT: 10.73 min Scan# 1301

Delta R.T. 0.47 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

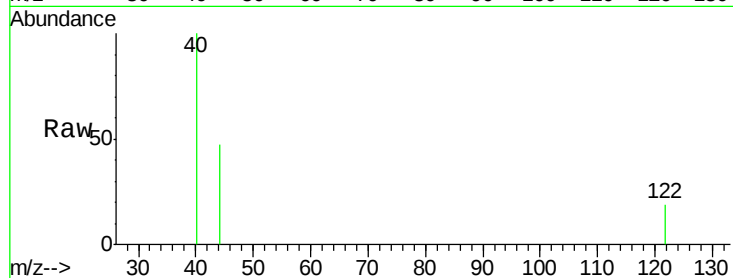
Instrument :

BNA_G

ClientSampleId :

C-MW-07_030719

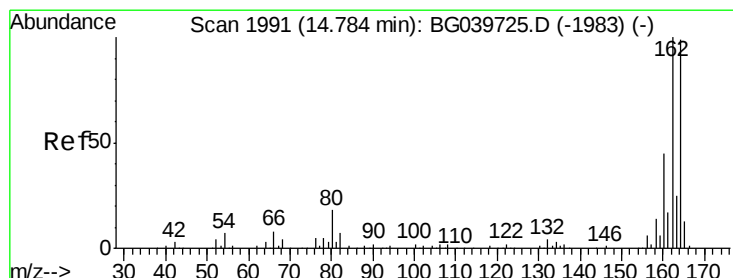
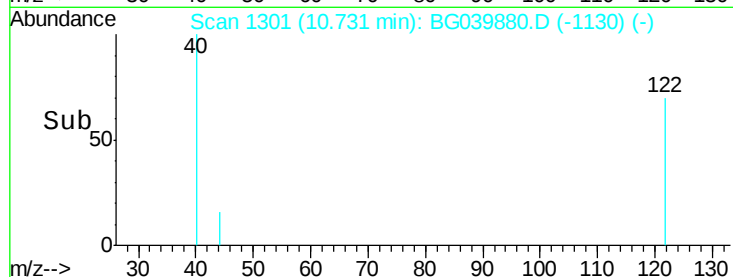
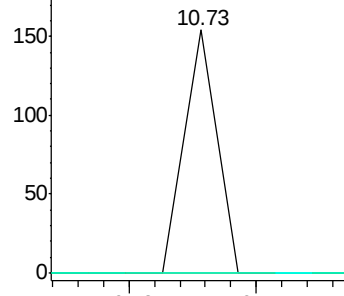
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

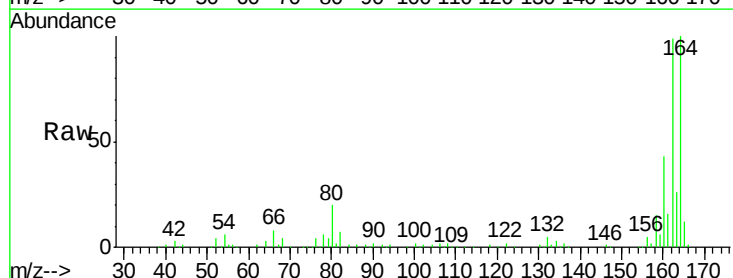
RT: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

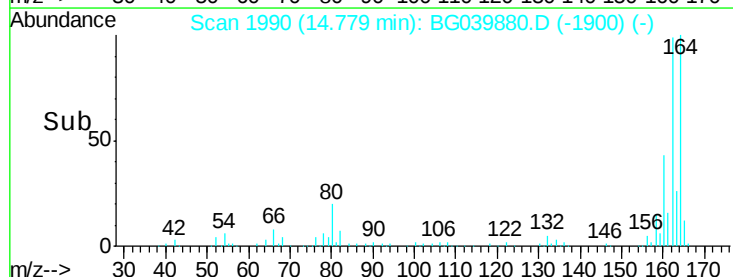
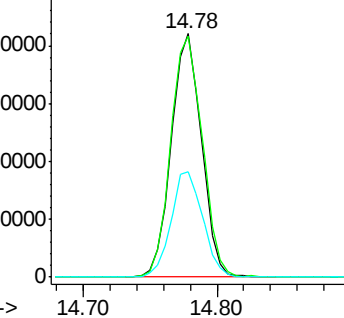
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.6	122.4
160	43.1	34.2	51.2

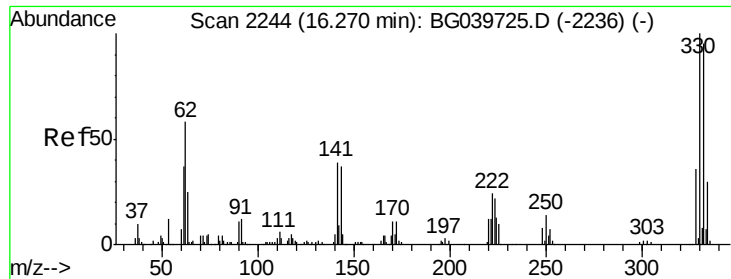


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

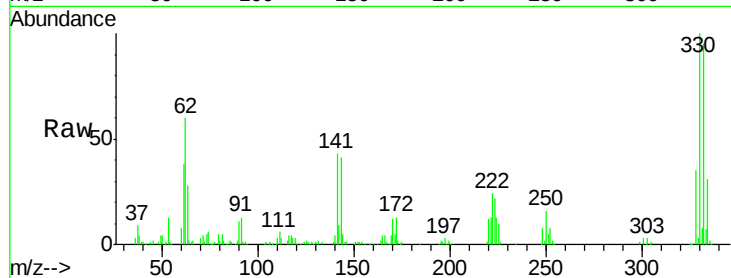




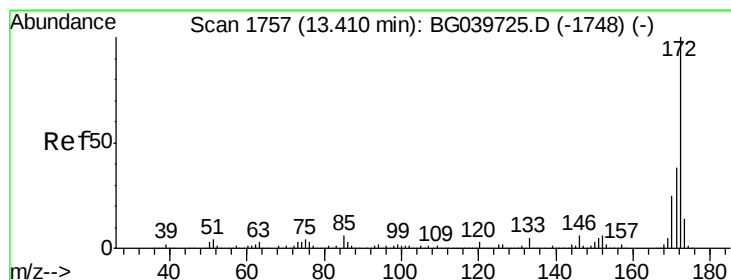
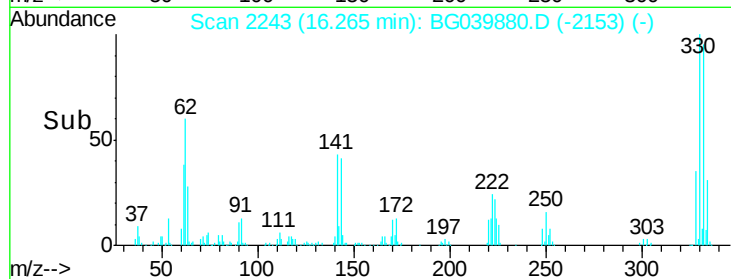
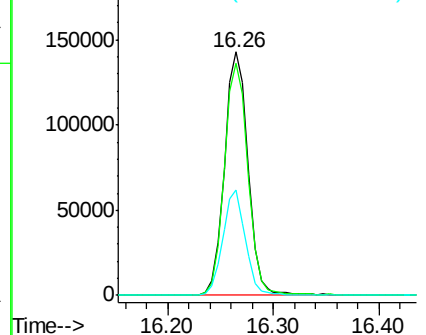
#42
 2,4,6-Tribromophenol
 Concen: 144.315 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: BG039880.D
 Acq: 12 Mar 2019 18:53

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-07_030719

Tgt Ion:330 Resp: 222190
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.7 113.5
 141 41.6 35.6 53.4

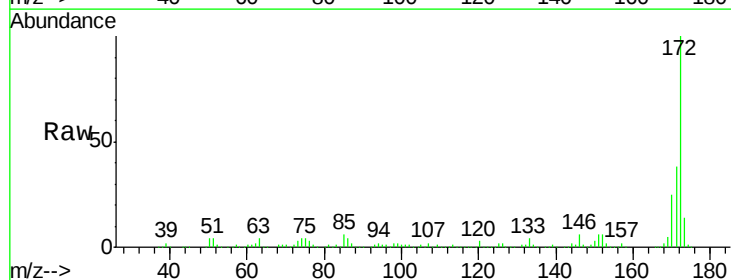


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

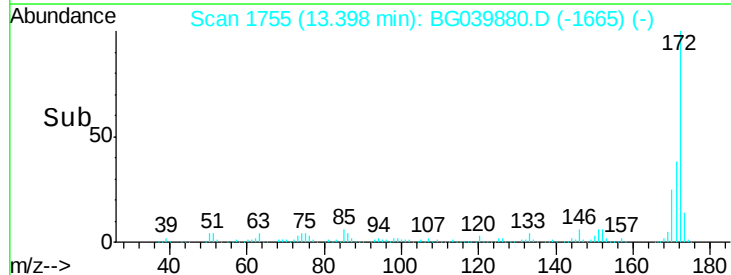
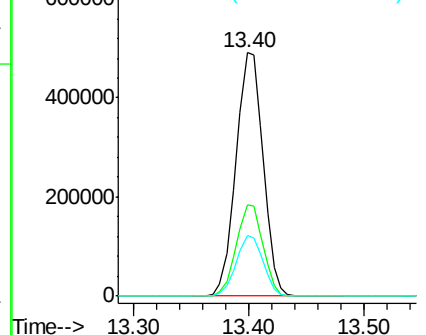


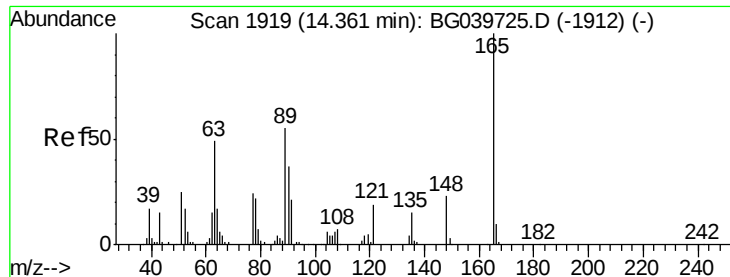
#45
 2-Fluorobiphenyl
 Concen: 86.208 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BG039880.D
 Acq: 12 Mar 2019 18:53

Tgt Ion:172 Resp: 799768
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 24.7 20.2 30.4



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

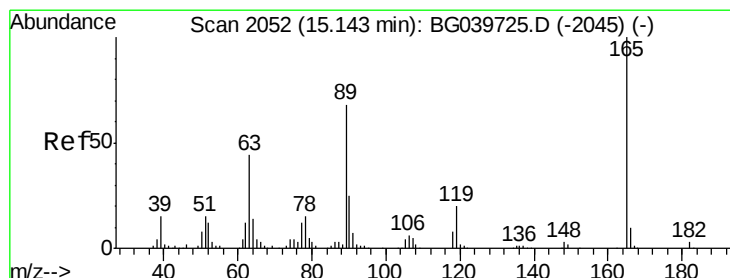
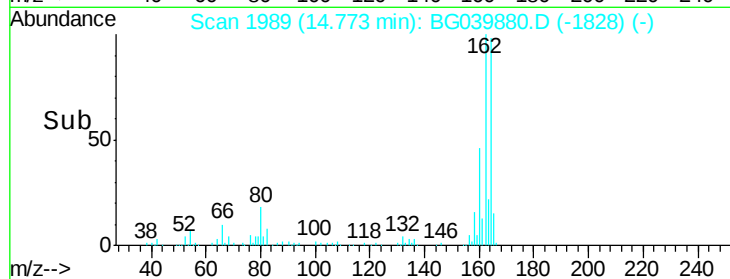
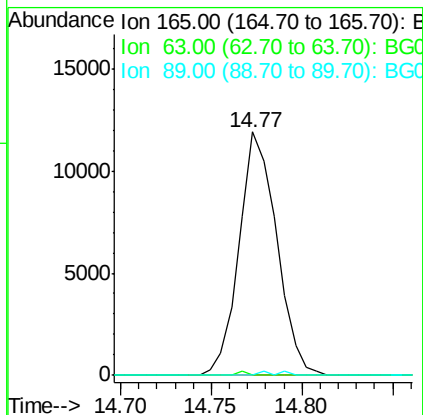
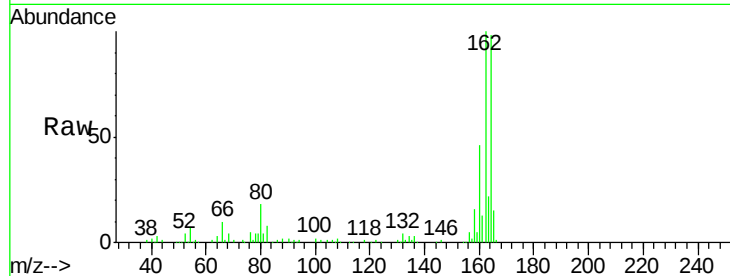




#51
 2,6-Dinitrotoluene
 Concen: 7.314 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.42 min
 Lab File: BG039880.D
 Acq: 12 Mar 2019 18:53

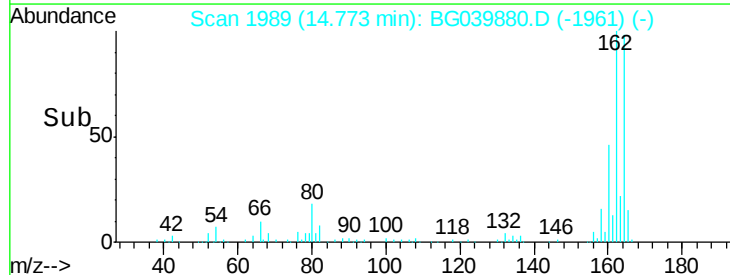
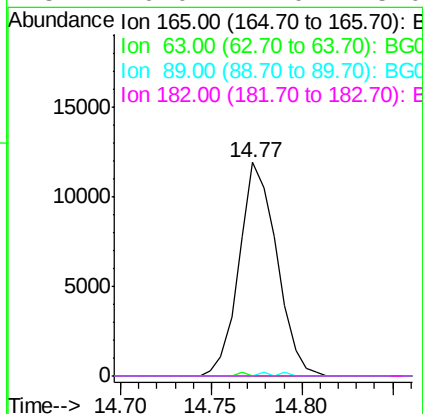
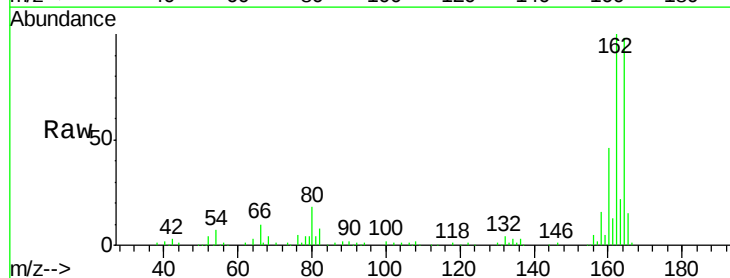
Instrument :
 BNA_G
 ClientSampleId :
 C-MW-07_030719

Tgt Ion:165 Resp: 17127
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.206 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG039880.D
 Acq: 12 Mar 2019 18:53

Tgt Ion:165 Resp: 17127
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

Instrument :

BNA_G

ClientSampleId :

C-MW-07_030719

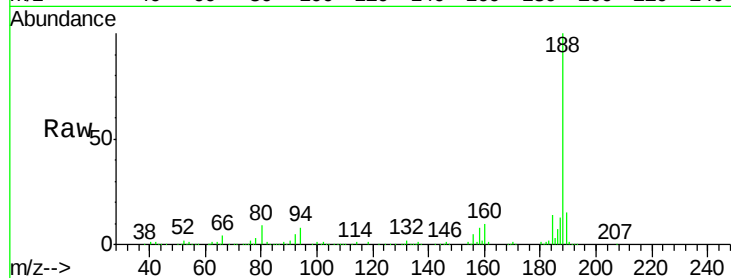
Tgt Ion:188 Resp: 326714

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

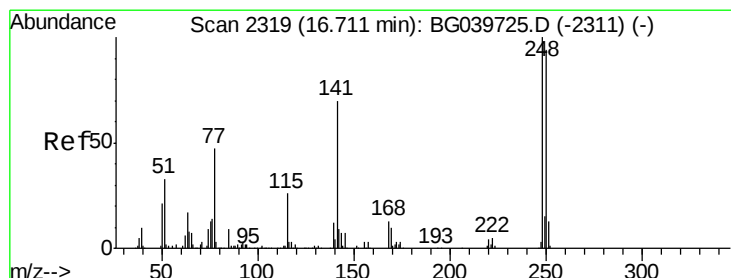
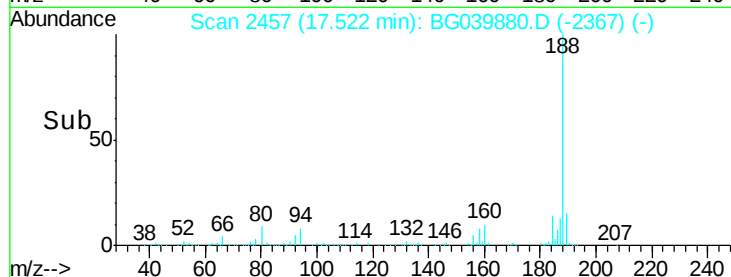
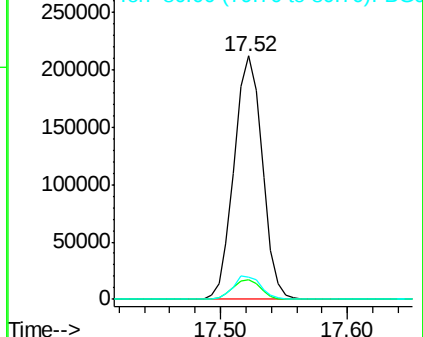
80 9.0 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.729 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.44 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

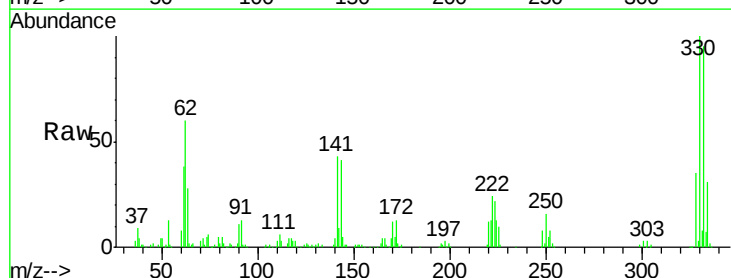
Tgt Ion:248 Resp: 17295

Ion Ratio Lower Upper

248 100

250 191.5 77.6 116.4#

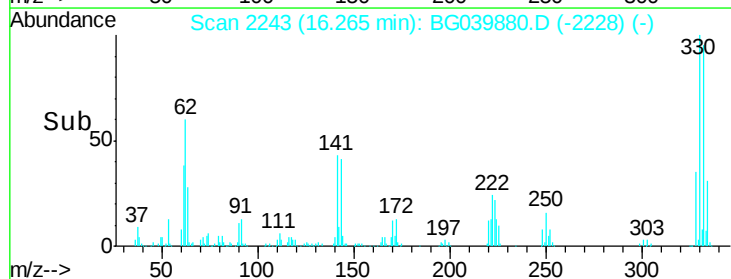
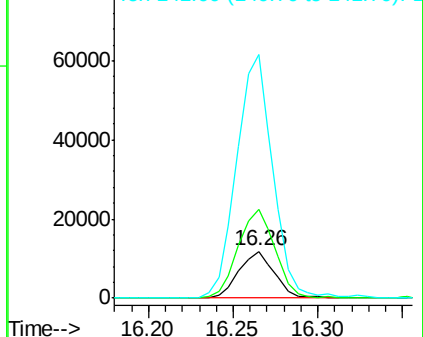
141 522.8 63.9 95.9#

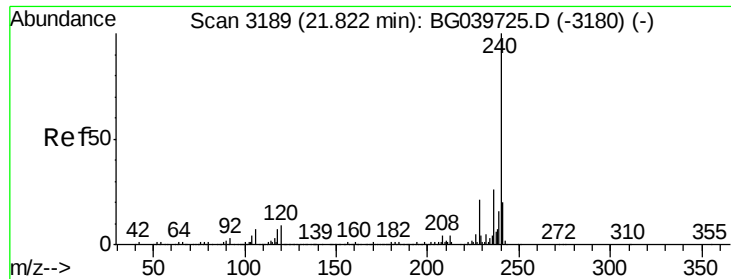


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

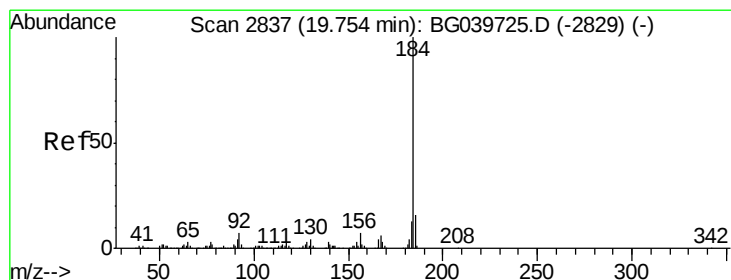
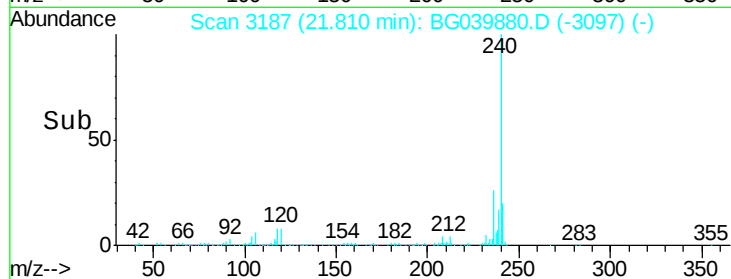
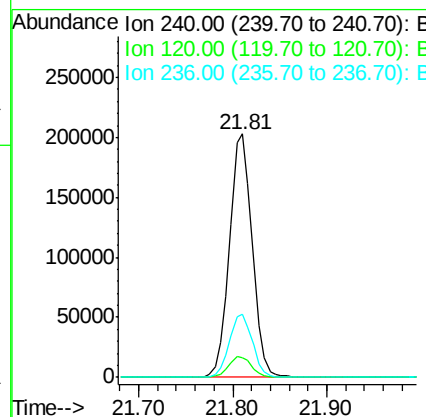
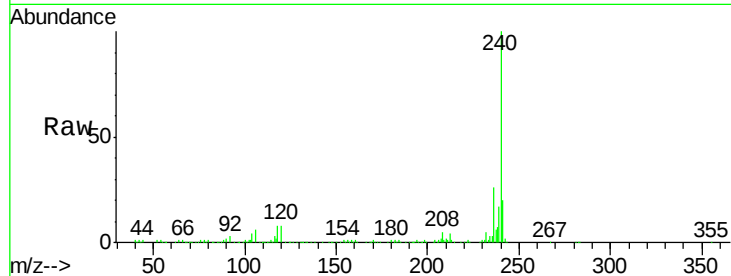




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.00 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

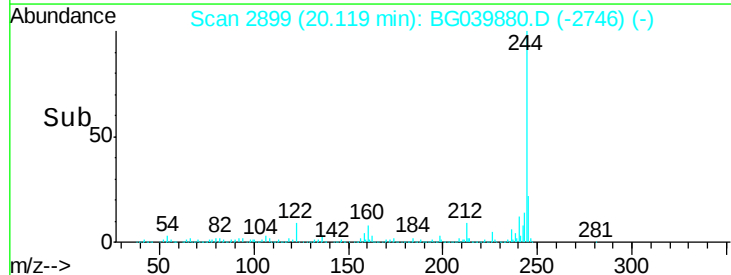
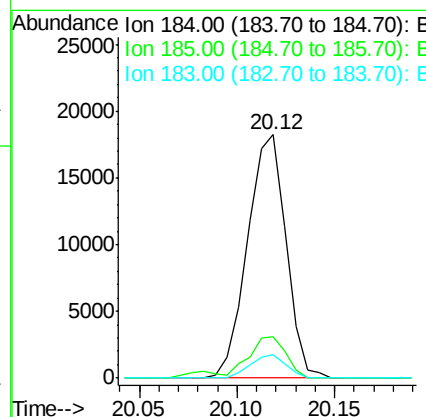
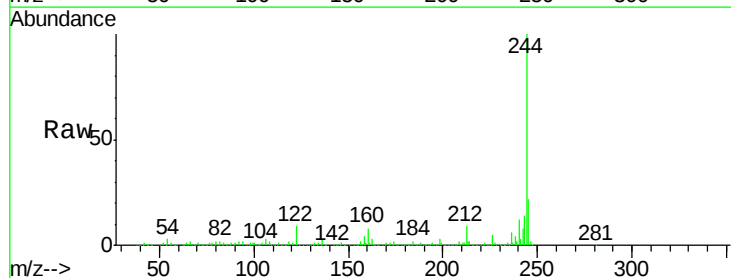
Instrument :
BNA_G
ClientSampleId :
C-MW-07_030719

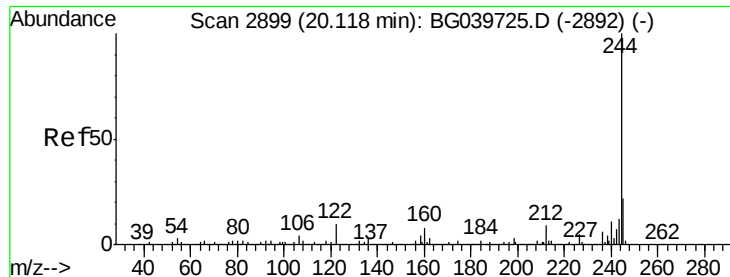
Tgt Ion: 240 Resp: 339978
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 26.0 21.0 31.4



#77
Benzidine
Concen: 2.303 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039880.D
Acq: 12 Mar 2019 18:53

Tgt Ion: 184 Resp: 24845
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 9.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.232 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

Instrument :

BNA_G

ClientSampleId :

C-MW-07_030719

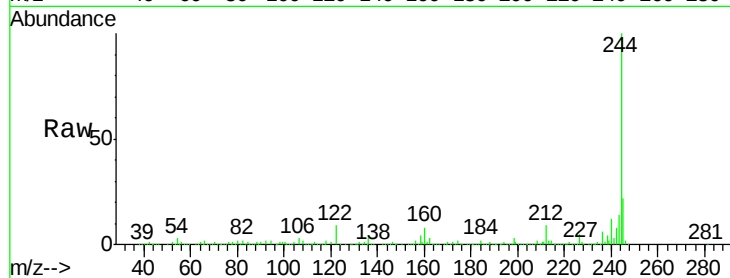
Tgt Ion:244 Resp: 1377820

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

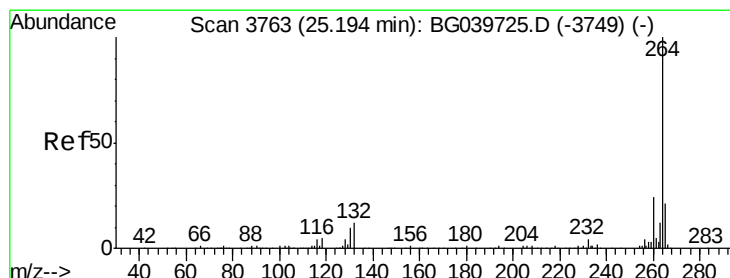
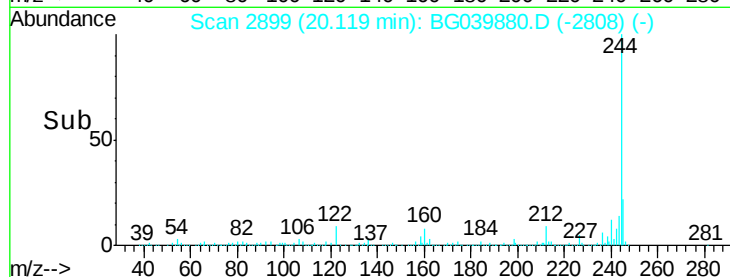
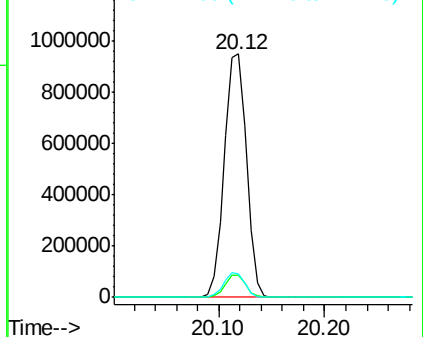
122 9.4 8.4 12.6



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: 25.18 min Scan# 3760

Delta R.T. -0.01 min

Lab File: BG039880.D

Acq: 12 Mar 2019 18:53

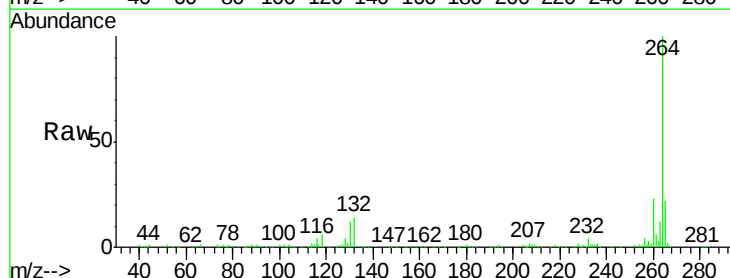
Tgt Ion:264 Resp: 332942

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 22.0 18.5 27.7



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

