

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039884.D
 Acq On : 12 Mar 2019 21:32
 Operator : JU/SJ
 Sample : K1842-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-05_030719

Quant Time: Mar 13 05:50:12 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

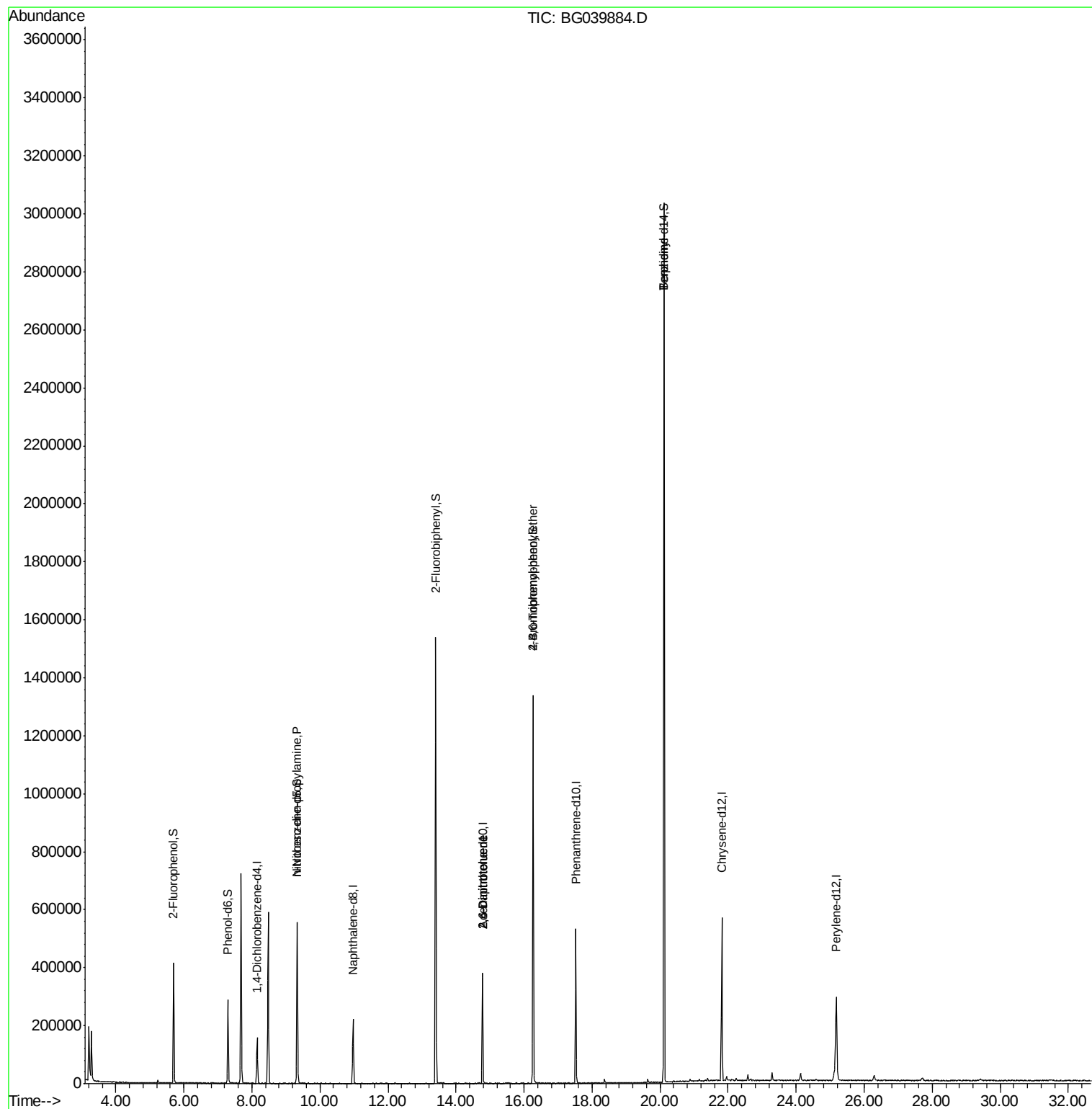
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42943	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	183817	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	130840	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	330908	20.00	ng	0.00
76) Chrysene-d12	21.81	240	343820	20.00	ng	0.00
87) Perylene-d12	25.18	264	340257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	175356	69.66	ng	0.00
7) Phenol-d6	7.30	99	163144	43.47	ng	0.00
23) Nitrobenzene-d5	9.33	82	336063	98.88	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	235162	154.20	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	823084	89.57	ng	0.00
79) Terphenyl-d14	20.11	244	1389523	88.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43601	16.140	ng	# 67
51) 2,6-Dinitrotoluene	14.78	165	16634	7.172	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	16634	5.104	ng	# 18
67) 4-Bromophenyl-phenylether	16.27	248	18852	5.090	ng	# 1
77) Benzidine	20.11	184	25395	2.328	ng	# 91

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

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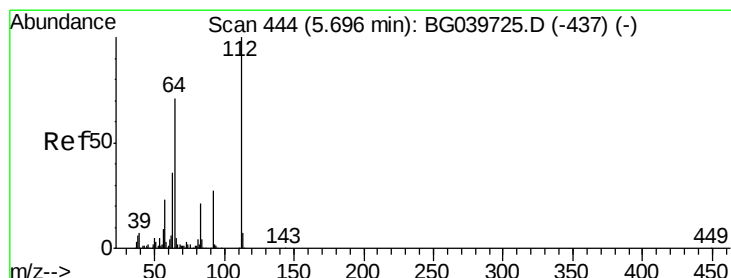
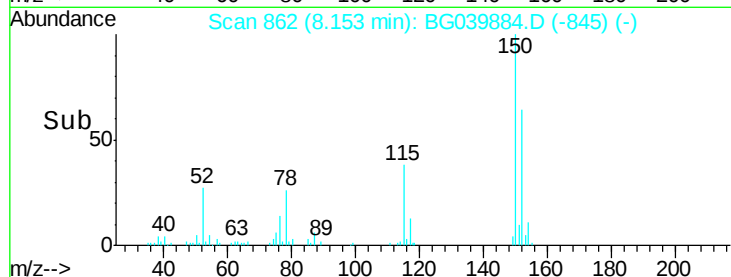
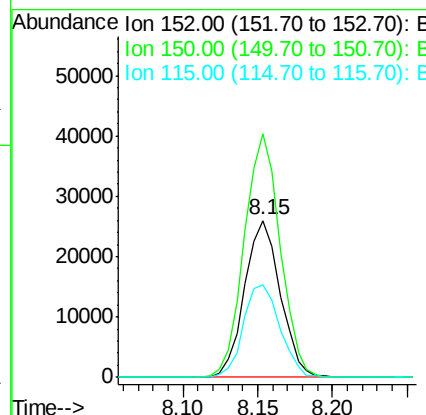
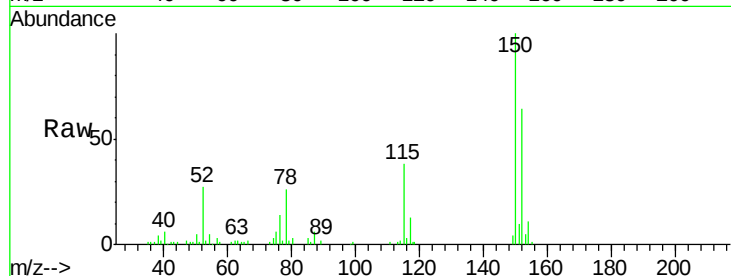


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG039884.D
Acq: 12 Mar 2019 21:32

Instrument :
BNA_G
ClientSampleId :
C-MW-05_030719

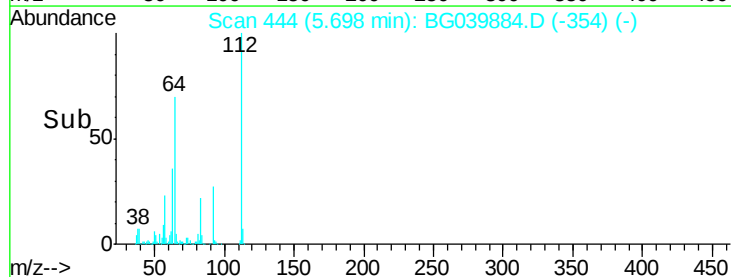
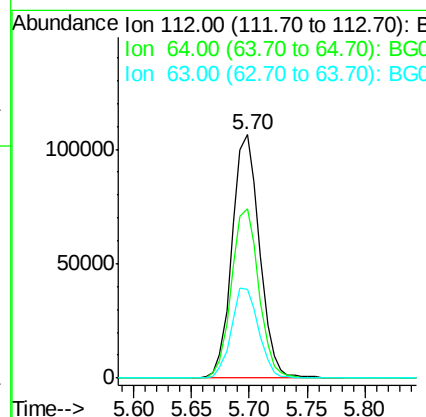
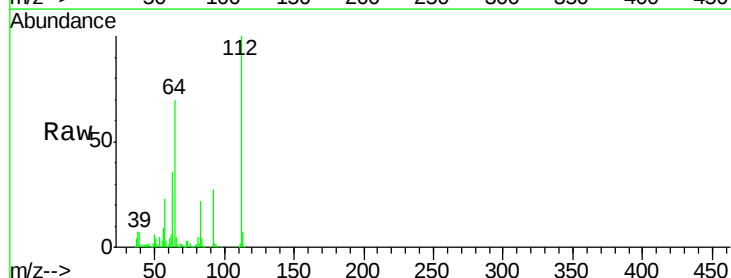
Tgt Ion:152 Resp: 42943
Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 59.3 45.9 68.9



#5

2-Fluorophenol
Concen: 69.664 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.00 min
Lab File: BG039884.D
Acq: 12 Mar 2019 21:32

Tgt Ion:112 Resp: 175356
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 36.3 29.8 44.6





#7

Phenol-d6

Concen: 43.468 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

Instrument :

BNA_G

ClientSampled :

C-MW-05_030719

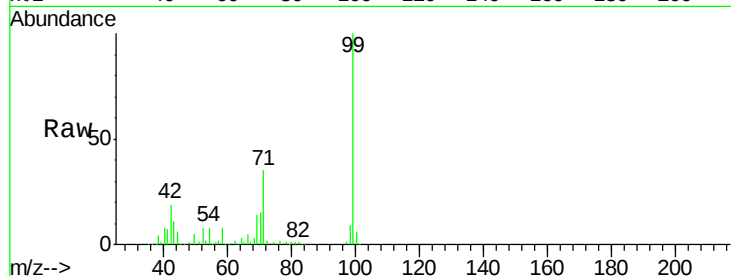
Tgt Ion: 99 Resp: 163144

Ion Ratio Lower Upper

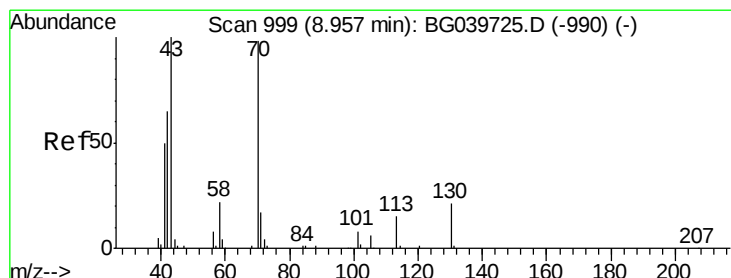
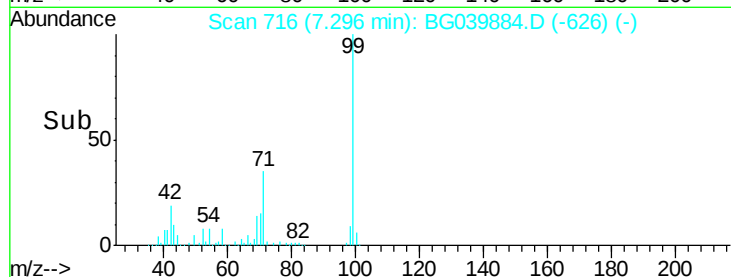
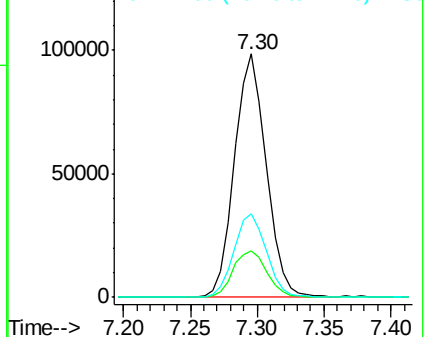
99 100

42 19.3 18.2 27.2

71 34.5 28.0 42.0



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: 16.140 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.38 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

Tgt Ion: 70 Resp: 43601

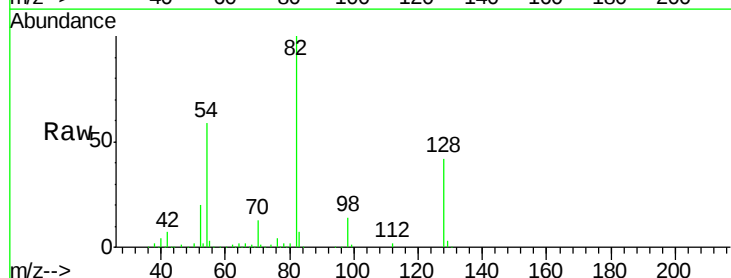
Ion Ratio Lower Upper

70 100

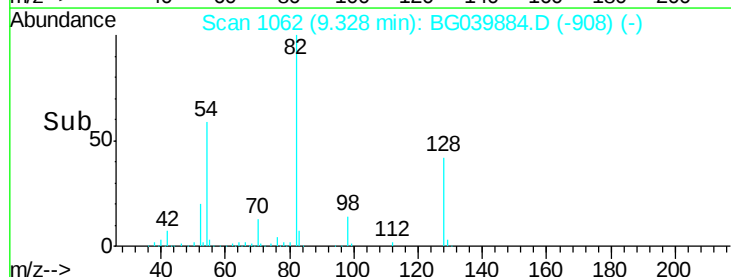
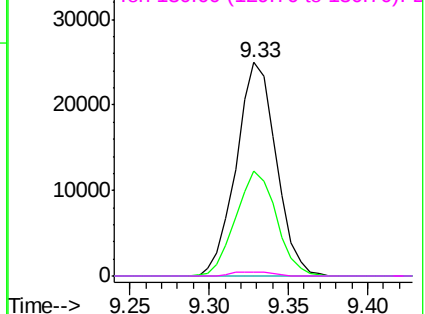
42 48.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



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

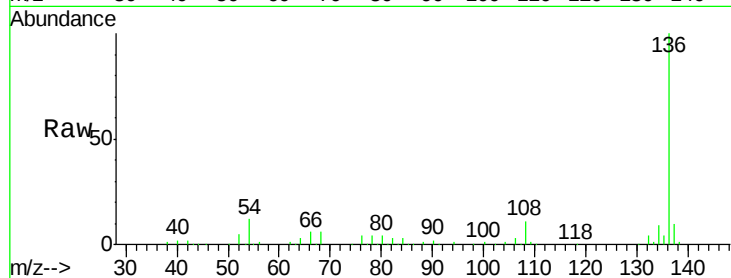




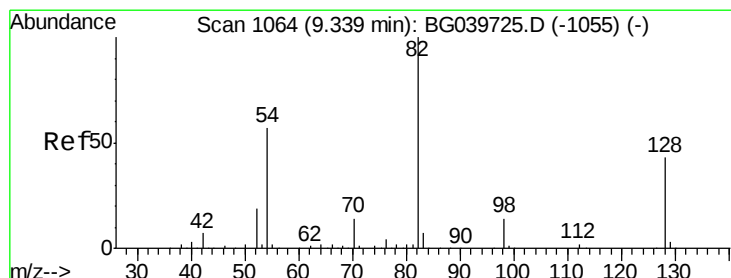
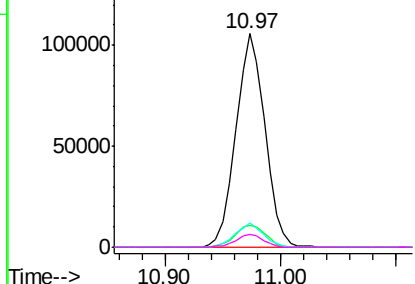
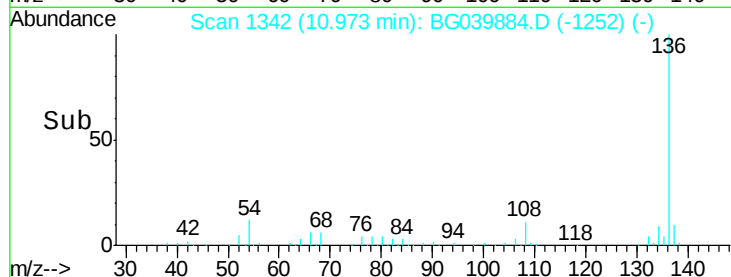
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039884.D
Acq: 12 Mar 2019 21:32

Instrument :
BNA_G
ClientSampleId :
C-MW-05_030719

Tgt Ion:	136	Resp:	183817
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.6	9.4	14.2
68	5.8	4.2	6.4

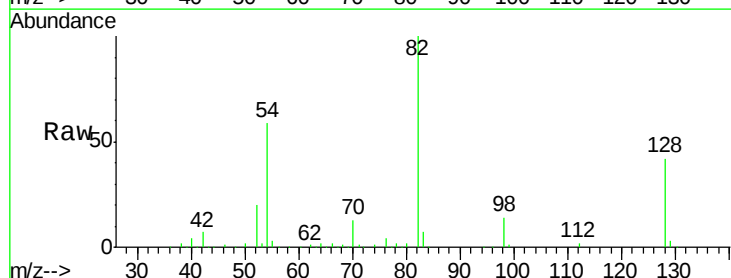


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

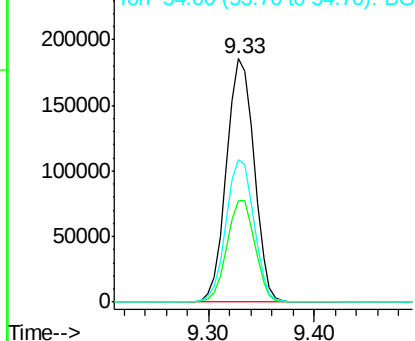
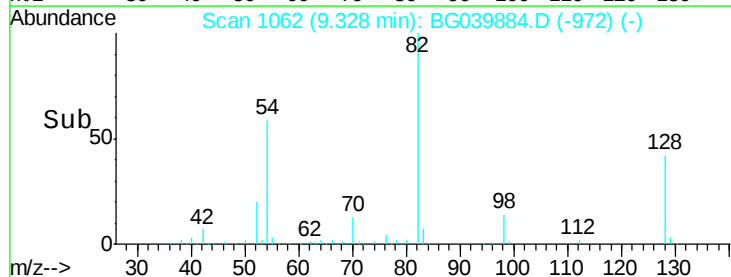


#23
Nitrobenzene-d5
Concen: 98.879 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BG039884.D
Acq: 12 Mar 2019 21:32

Tgt Ion:	82	Resp:	336063
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	58.7	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

Instrument :

BNA_G

ClientSampleId :

C-MW-05_030719

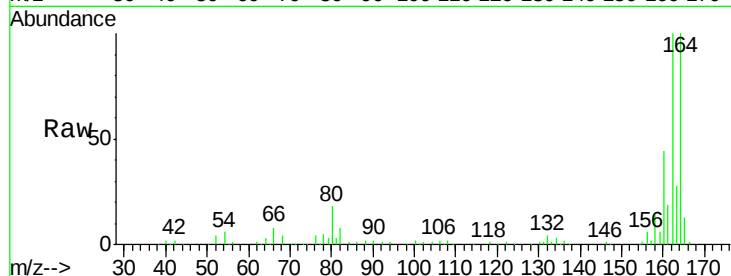
Tgt Ion:164 Resp: 130840

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

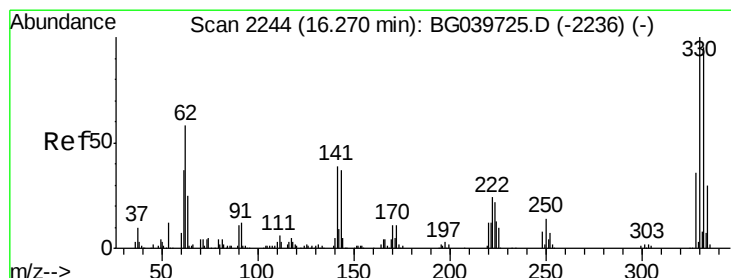
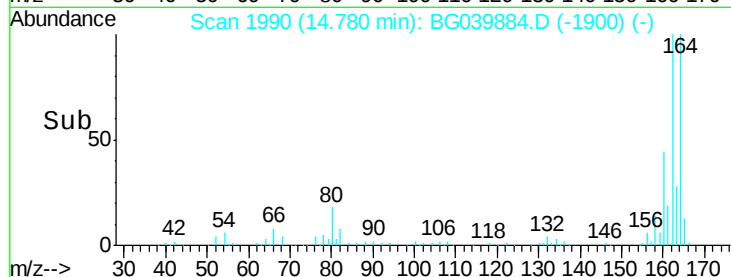
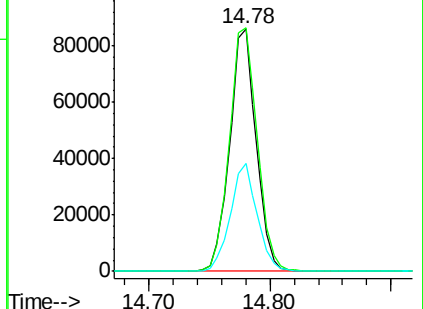
160 44.5 34.2 51.2



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: 154.201 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

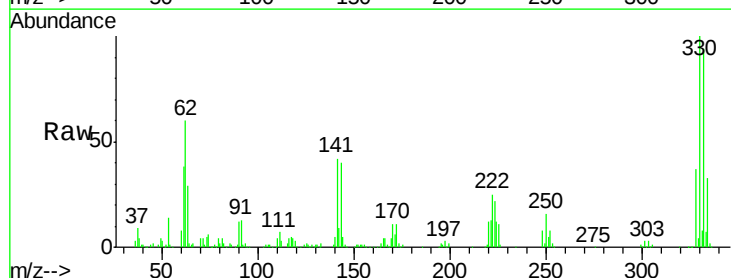
Tgt Ion:330 Resp: 235162

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

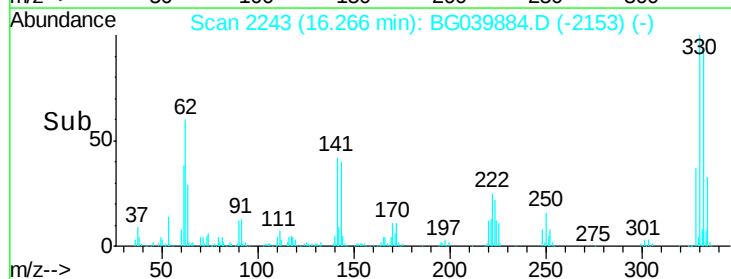
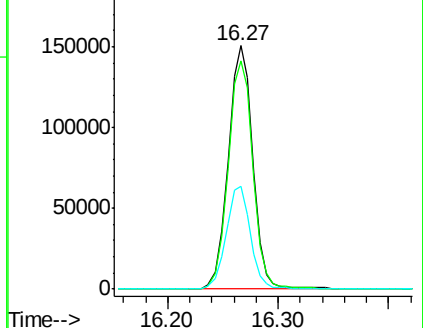
141 41.9 35.6 53.4



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

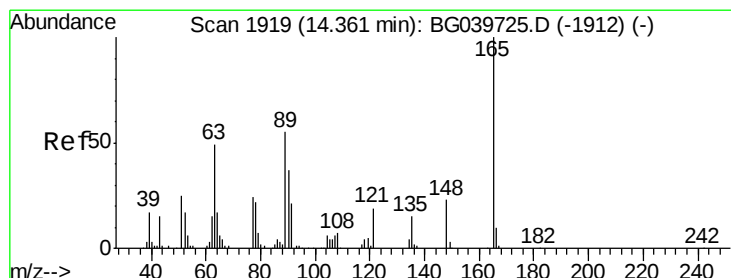
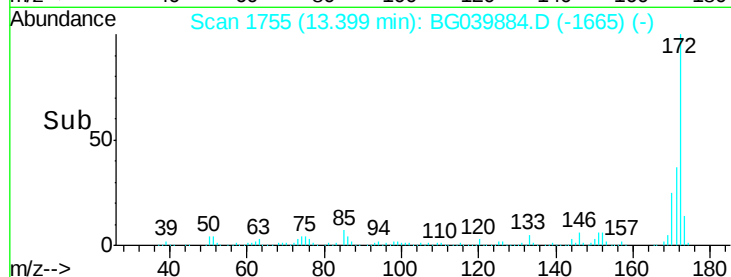
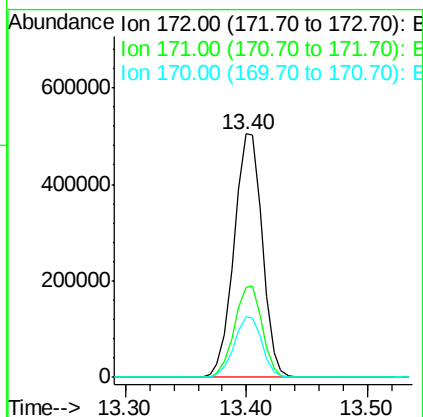
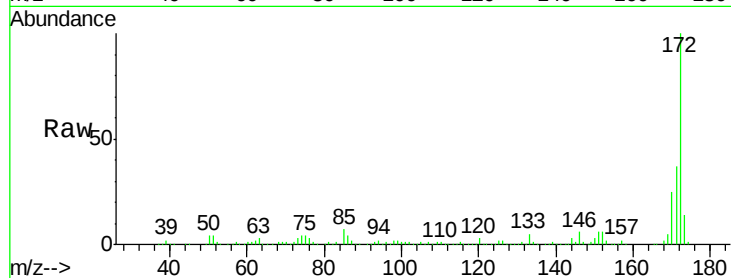




#45
 2-Fluorobiphenyl
 Concen: 89.570 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

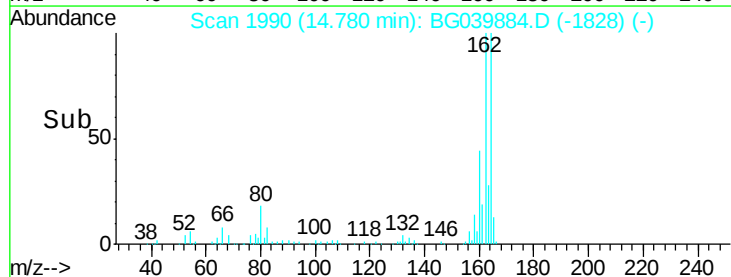
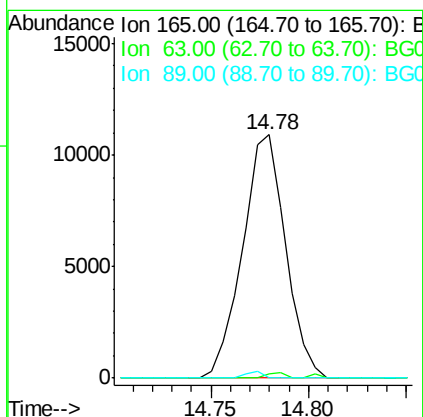
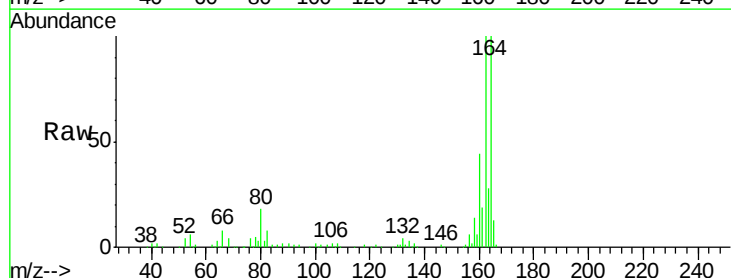
Instrument :
 BNA_G
 ClientSampleId :
 C-MW-05_030719

Tgt Ion:172 Resp: 823084
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 24.9 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.172 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.42 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

Tgt Ion:165 Resp: 16634
 Ion Ratio Lower Upper
 165 100
 63 1.6 47.0 70.6#
 89 0.0 45.8 68.8#

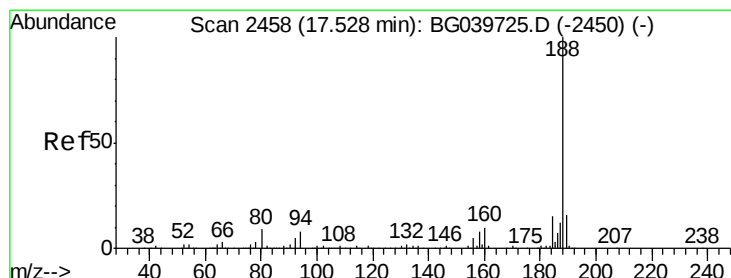
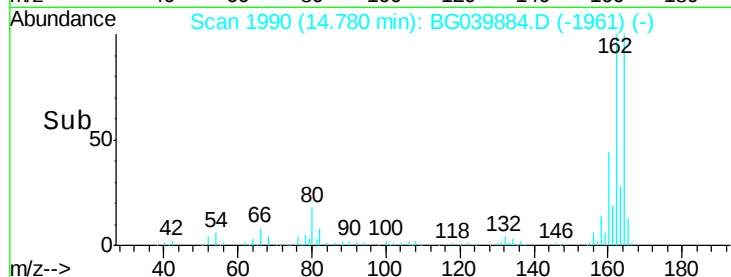
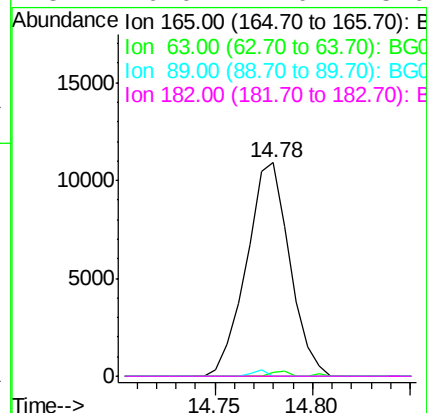
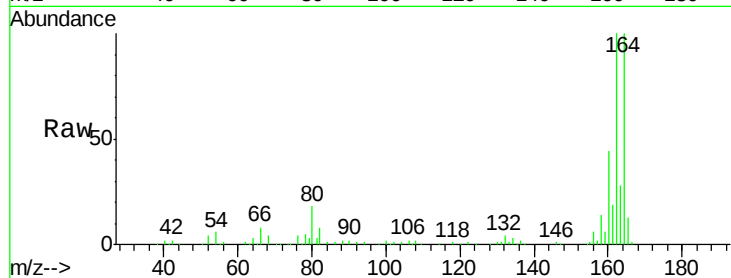




#57
 2,4-Dinitrotoluene
 Concen: 5.104 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

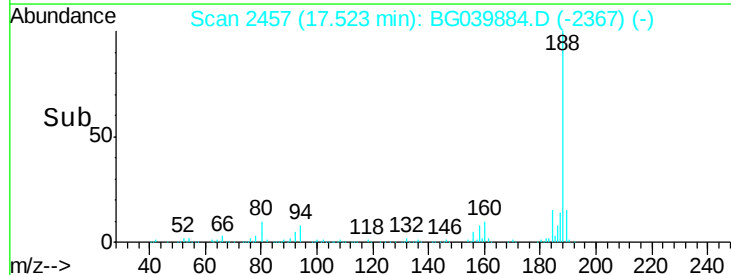
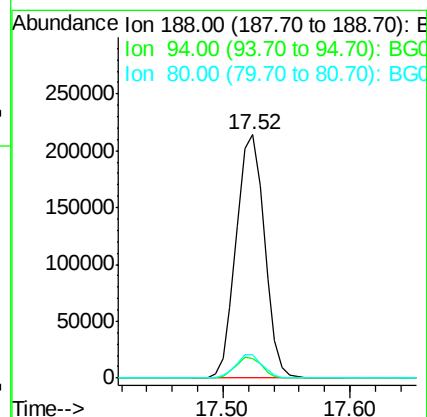
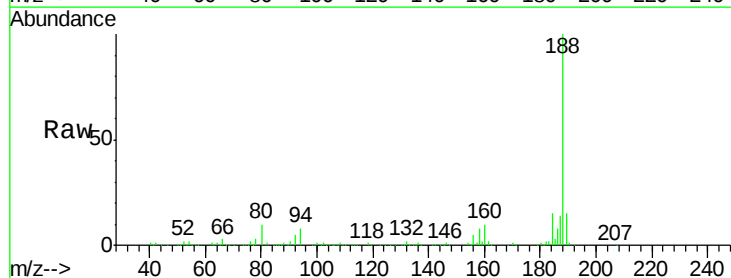
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 C-MW-05_030719

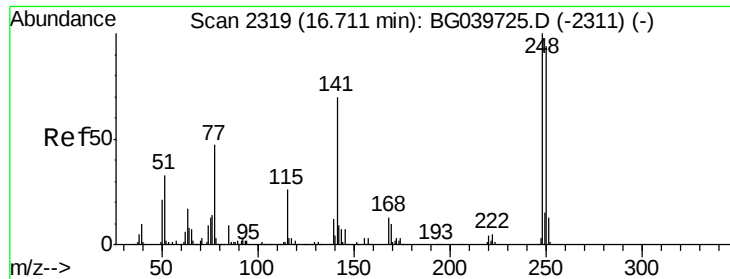
Tgt Ion:	165	Resp:	16634
Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

Tgt Ion:	188	Resp:	330908
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.7	8.1	12.1

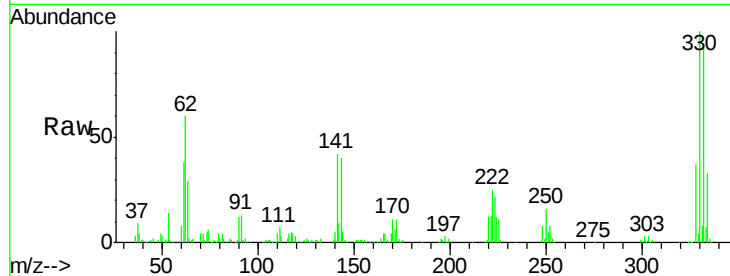




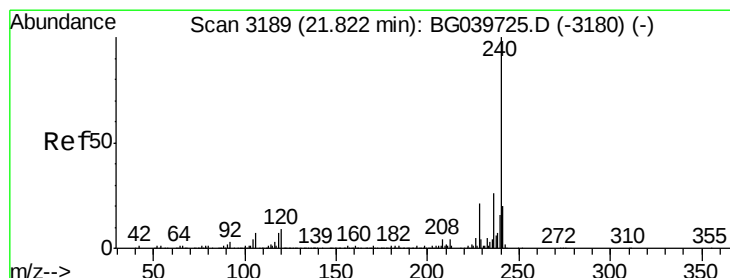
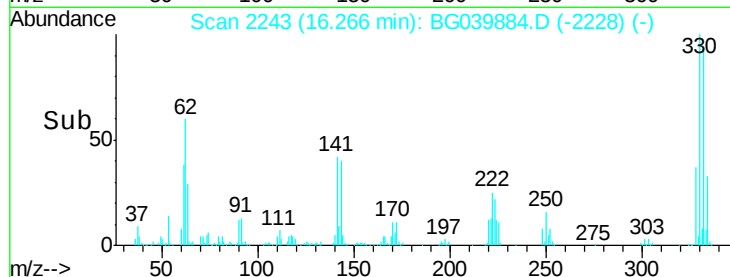
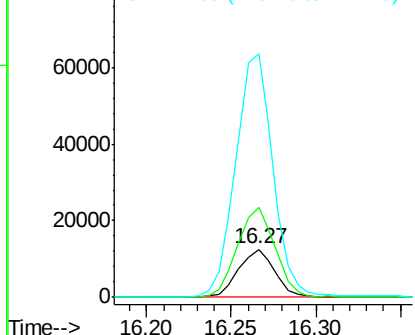
#67
 4-Bromophenyl-phenylether
 Concen: 5.090 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.44 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-05_030719

Tgt Ion:248 Resp: 18852
 Ion Ratio Lower Upper
 248 100
 250 186.1 77.6 116.4#
 141 505.5 63.9 95.9#

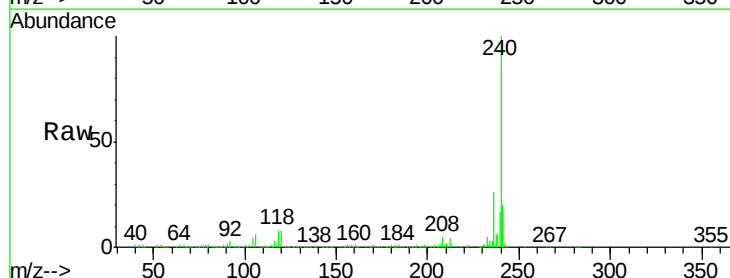


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

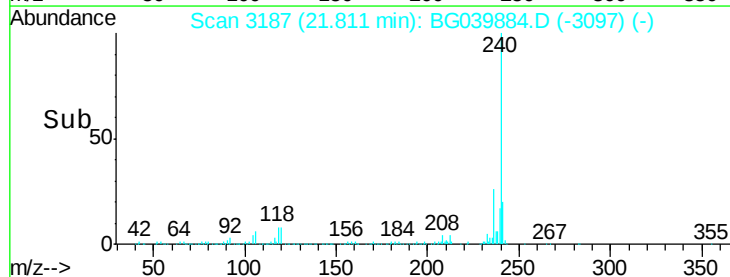
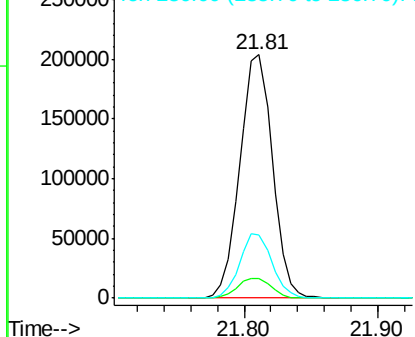


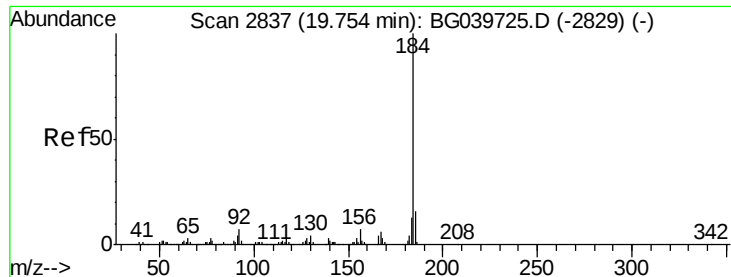
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.00 min
 Lab File: BG039884.D
 Acq: 12 Mar 2019 21:32

Tgt Ion:240 Resp: 343820
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 26.0 21.0 31.4



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: 2.328 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

Instrument :

BNA_G

ClientSampleId :

C-MW-05_030719

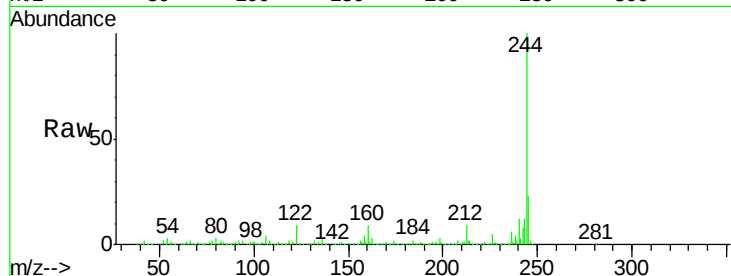
Tgt Ion:184 Resp: 25395

Ion Ratio Lower Upper

184 100

185 18.6 12.2 18.2#

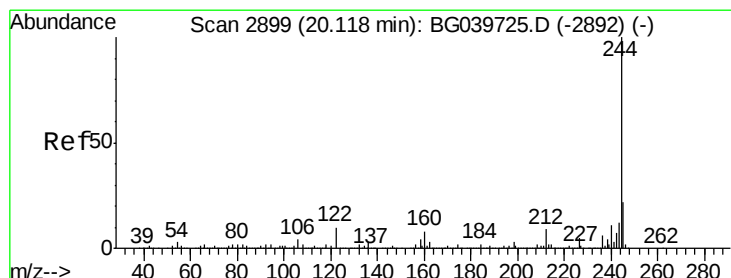
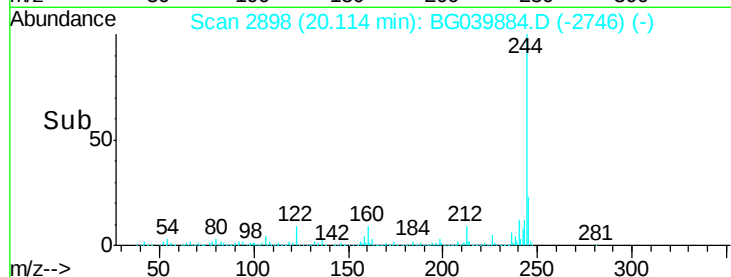
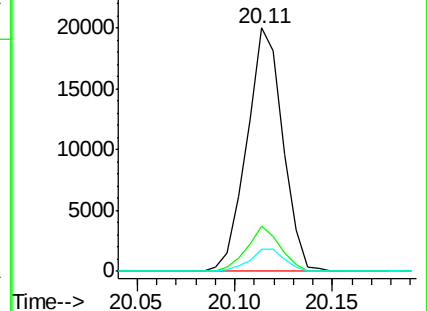
183 9.3 10.6 15.8#



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: 88.984 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BG039884.D

Acq: 12 Mar 2019 21:32

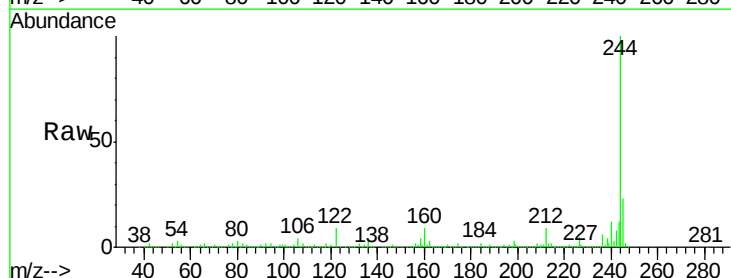
Tgt Ion:244 Resp: 1389523

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

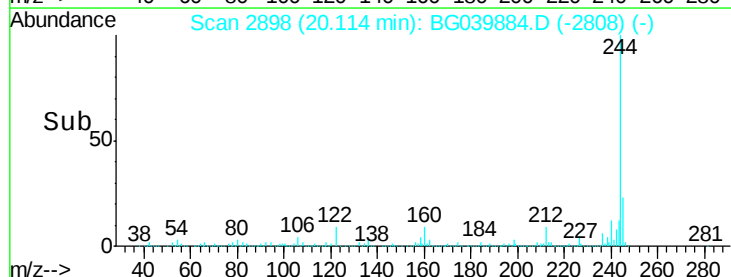
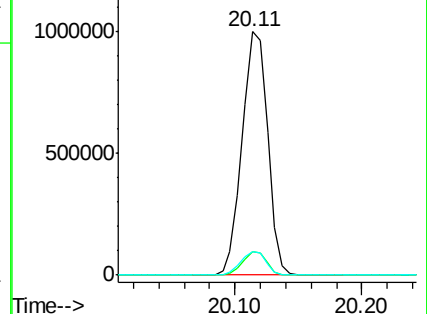
122 9.5 8.4 12.6

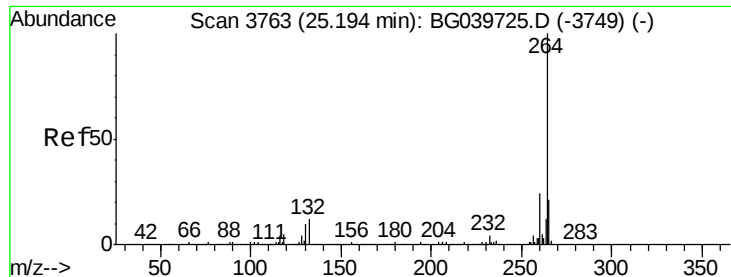


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

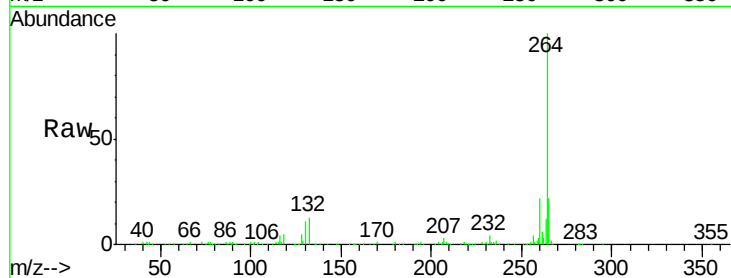




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3760
Delta R.T. -0.01 min
Lab File: BG039884.D
Acq: 12 Mar 2019 21:32

Instrument :
BNA_G
ClientSampleId :
C-MW-05_030719

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.4
265	22.4	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

