

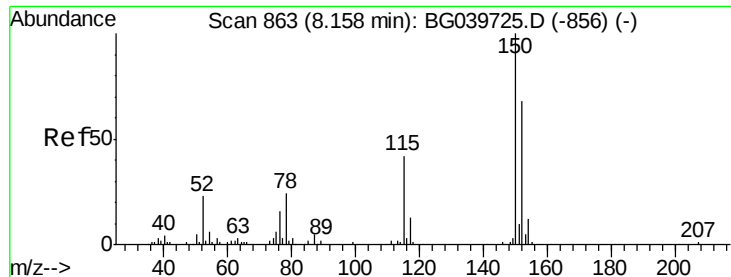
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039951.D
 Acq On : 15 Mar 2019 21:28
 Operator : JU/SJ
 Sample : K1909-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-CO5(SETTLE-WATER)

Quant Time: Mar 16 04:10:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	45457	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	193393	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	128615	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	297748	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	307699	20.00	ng	-0.03
87) Perylene-d12	25.17	264	320067	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	96453	36.20	ng	-0.02
7) Phenol-d6	7.29	99	83813	21.10	ng	-0.03
23) Nitrobenzene-d5	9.32	82	336255	94.04	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	137583	91.78	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	821482	90.94	ng	-0.02
79) Terphenyl-d14	20.11	244	1068088	76.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	44957	15.721	ng	# 68
51) 2,6-Dinitrotoluene	14.78	165	17030	7.470	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	17030	5.316	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	11207	3.363	ng	# 1

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

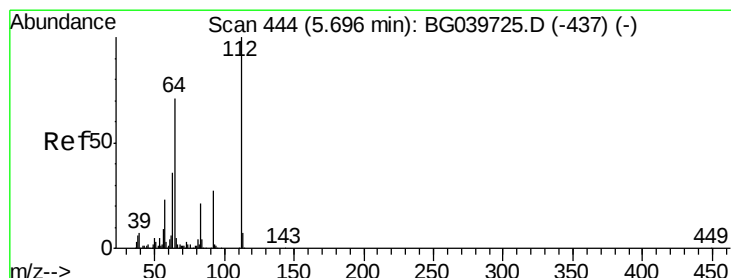
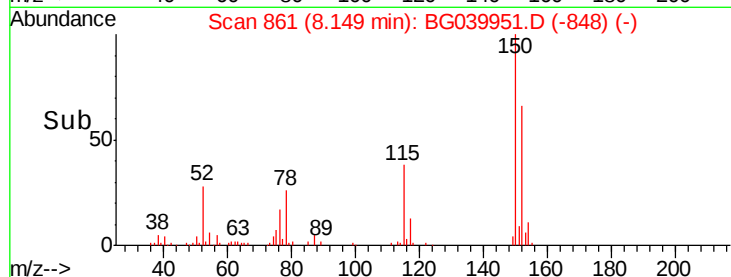
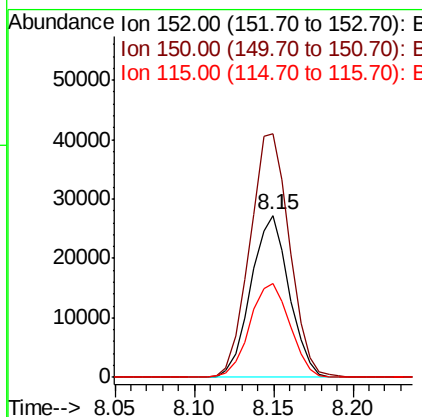
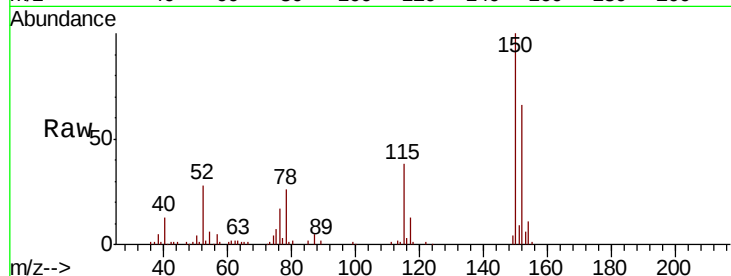


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Instrument :
BNA_G
ClientSampleId :
MH-CO5(SETTLE-WATER)

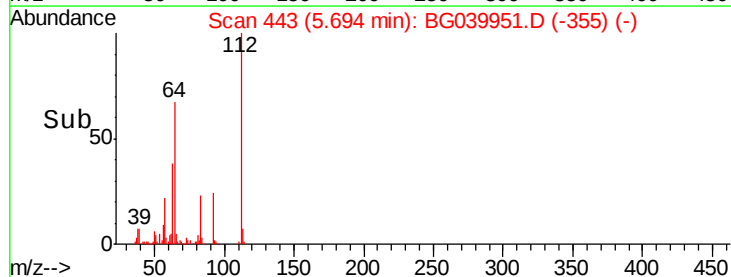
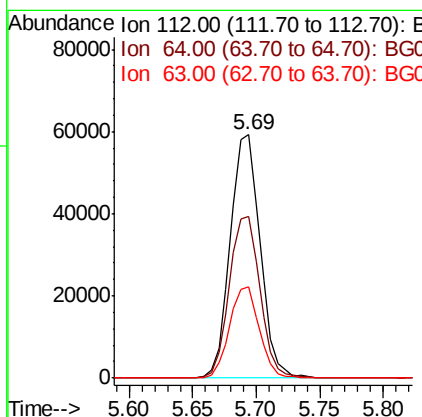
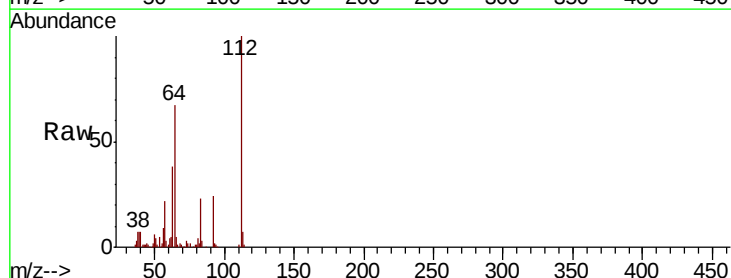
Tgt Ion:152 Resp: 45457
Ion Ratio Lower Upper
152 100
150 150.6 123.7 185.5
115 57.7 45.9 68.9

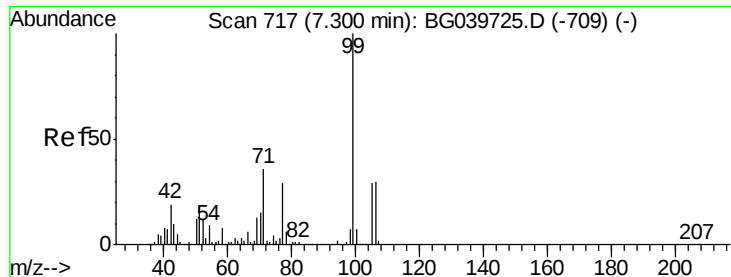


#5

2-Fluorophenol
Concen: 36.199 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Tgt Ion:112 Resp: 96453
Ion Ratio Lower Upper
112 100
64 66.6 57.8 86.8
63 37.6 29.8 44.6





#7

Phenol-d6

Concen: 21.096 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

Instrument :

BNA_G

ClientSampleId :

MH-CO5(SETTLE-WATER)

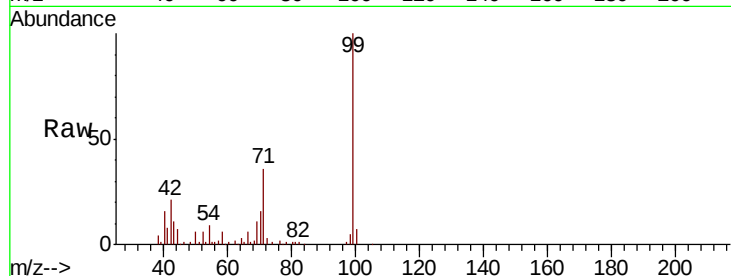
Tgt Ion: 99 Resp: 83813

Ion Ratio Lower Upper

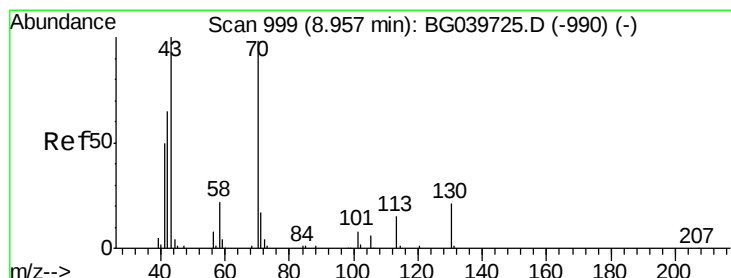
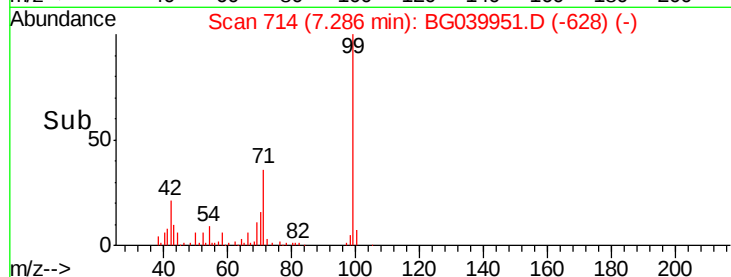
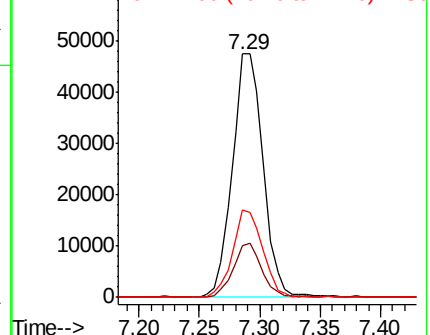
99 100

42 21.1 18.2 27.2

71 35.9 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: 15.721 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.36 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

Tgt Ion: 70 Resp: 44957

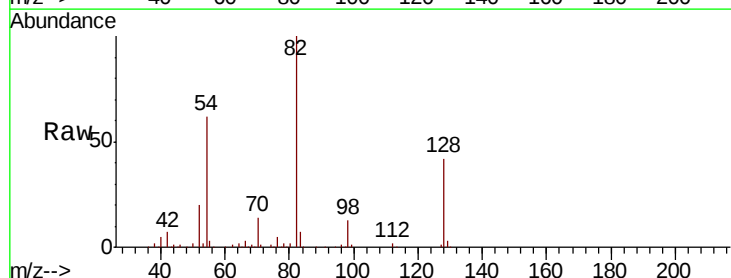
Ion Ratio Lower Upper

70 100

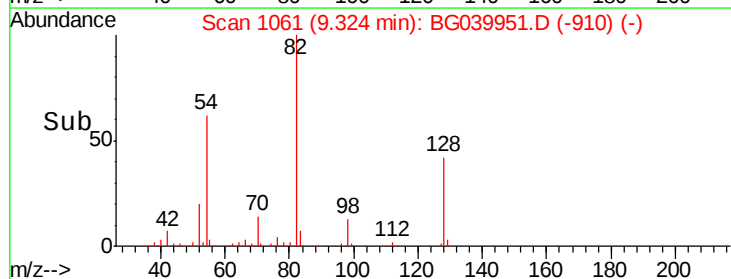
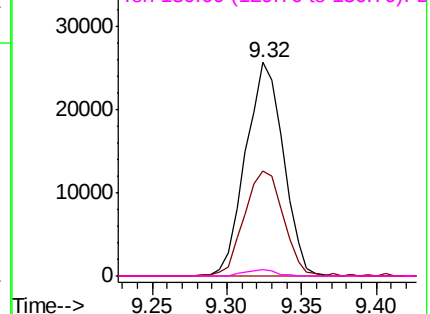
42 49.3 60.4 90.6#

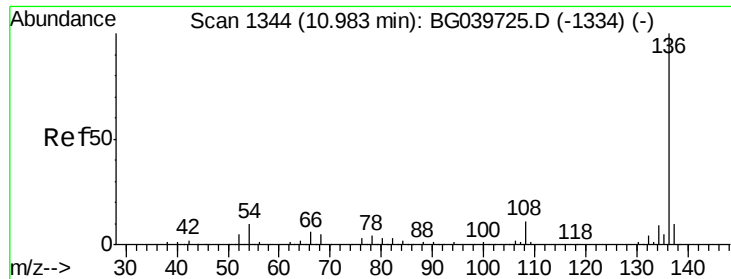
101 0.0 7.5 11.3#

130 2.9 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

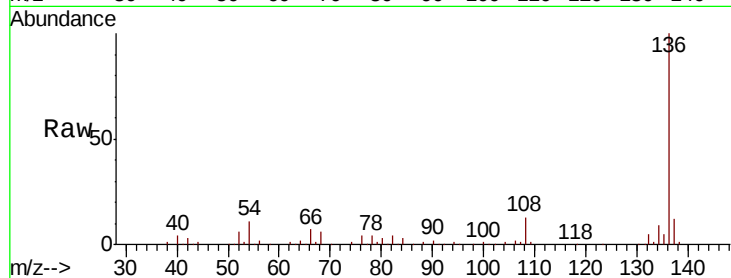




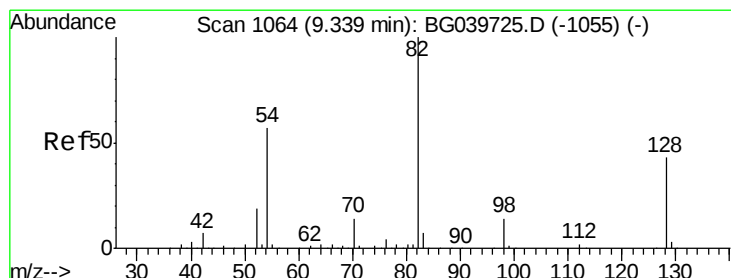
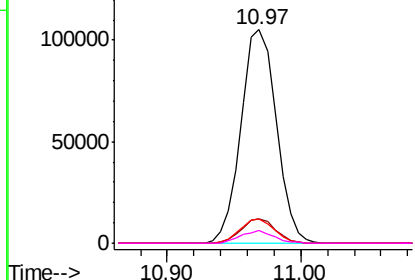
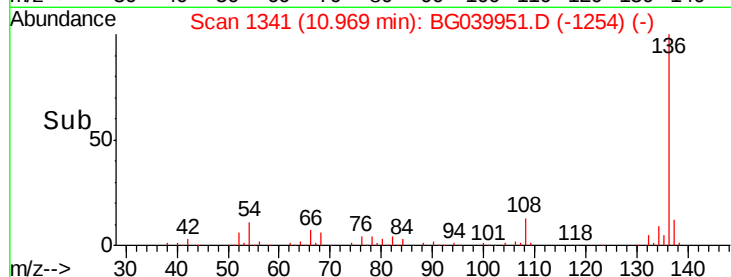
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Instrument :
BNA_G
ClientSampleId :
MH-CO5(SETTLE-WATER)

Tgt Ion:	136	Resp:	193393
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.3	9.4	14.2
68	6.1	4.2	6.4

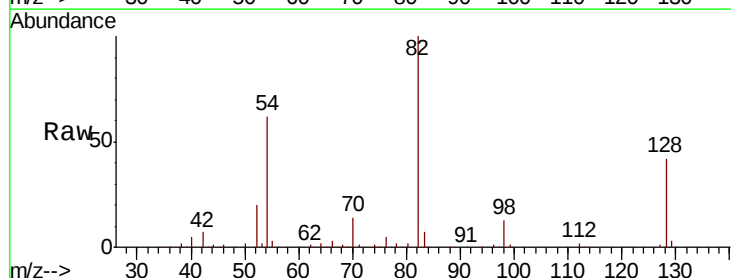


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

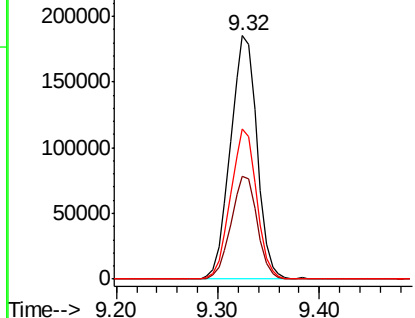
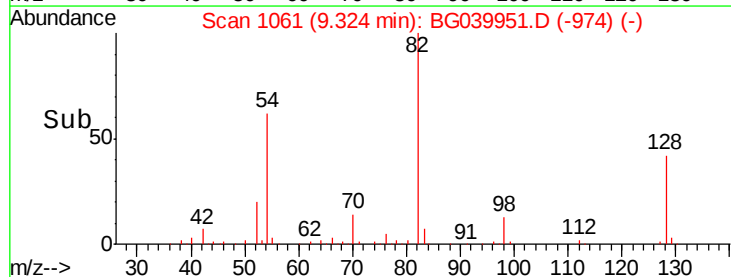


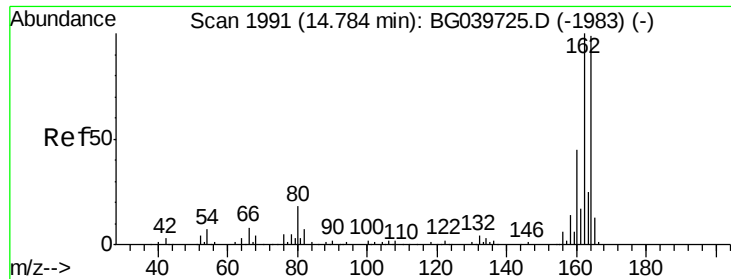
#23
Nitrobenzene-d5
Concen: 94.037 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Tgt Ion:	82	Resp:	336255
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	61.6	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# 1989

Delta R.T. -0.02 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

Instrument :

BNA_G

ClientSampleId :

MH-CO5(SETTLE-WATER)

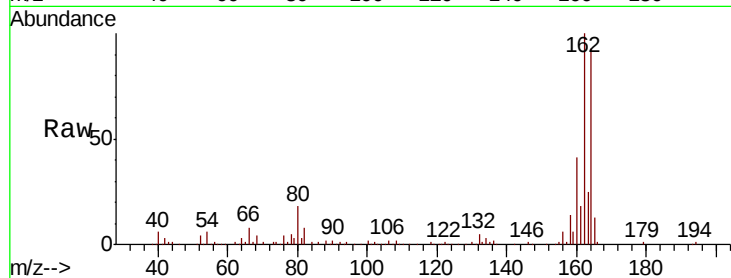
Tgt Ion:164 Resp: 128615

Ion Ratio Lower Upper

164 100

162 107.8 81.6 122.4

160 44.1 34.2 51.2

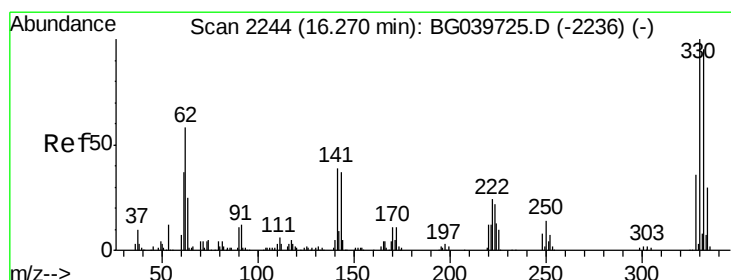
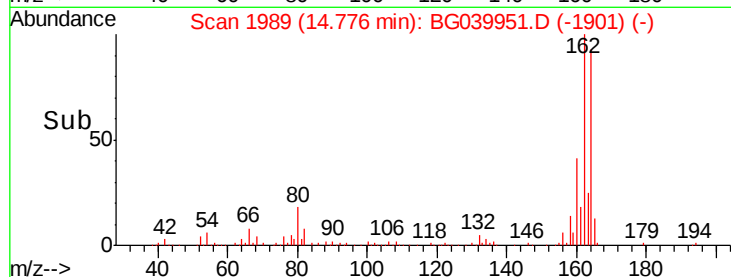
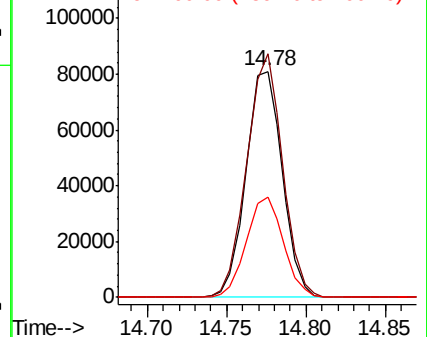


Abundance

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: 91.777 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

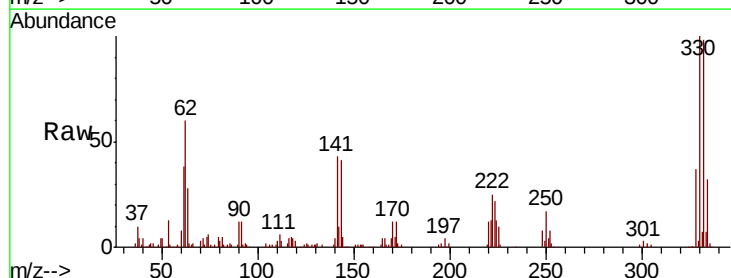
Tgt Ion:330 Resp: 137583

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

141 43.4 35.6 53.4

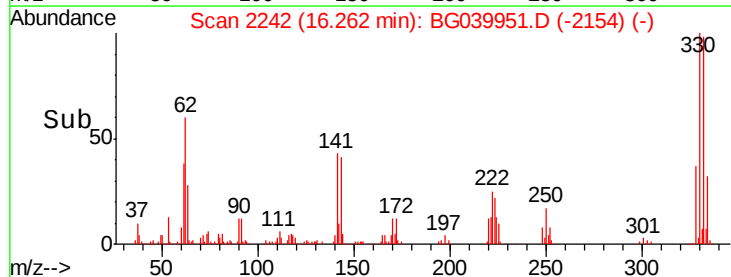
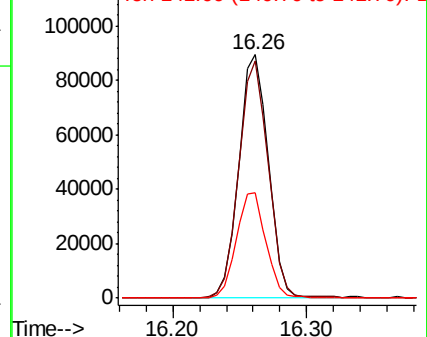


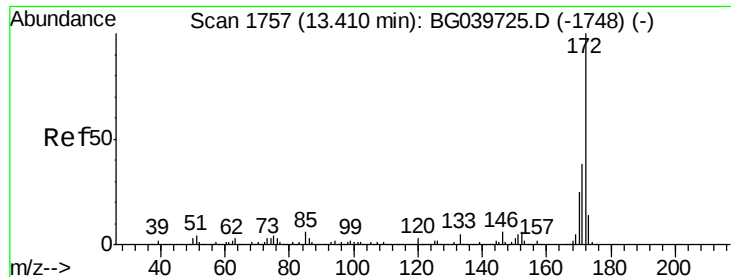
Abundance

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

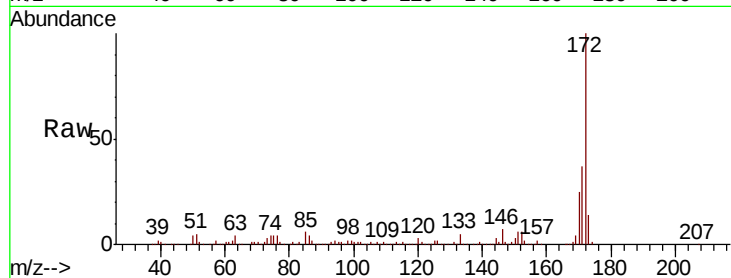




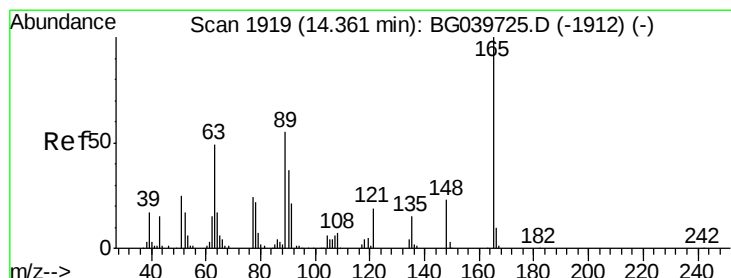
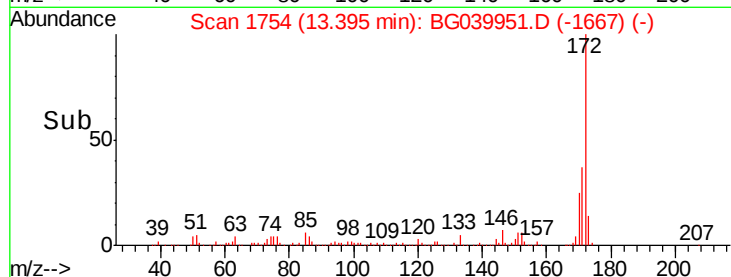
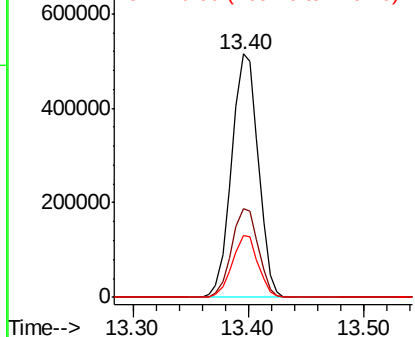
#45
2-Fluorobiphenyl
Concen: 90.942 ng
RT: 13.40 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Instrument :
BNA_G
ClientSampleId :
MH-CO5(SETTLE-WATER)

Tgt Ion:172 Resp: 821482
Ion Ratio Lower Upper
172 100
171 36.6 30.8 46.2
170 25.2 20.2 30.4

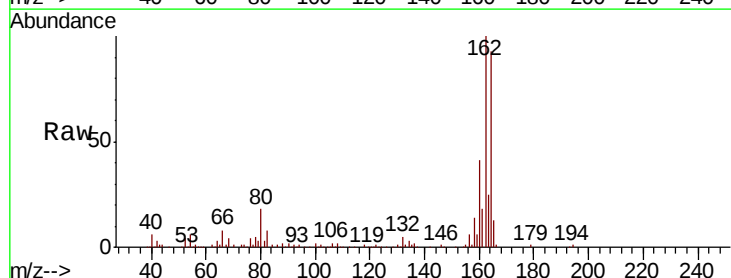


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

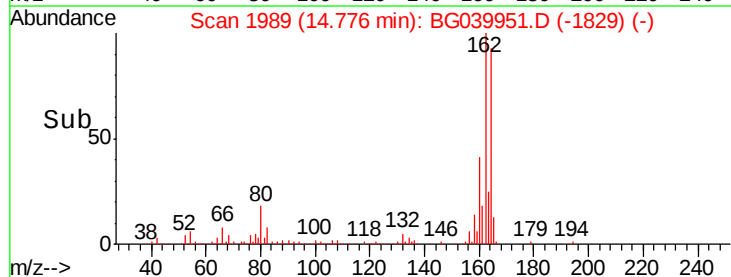
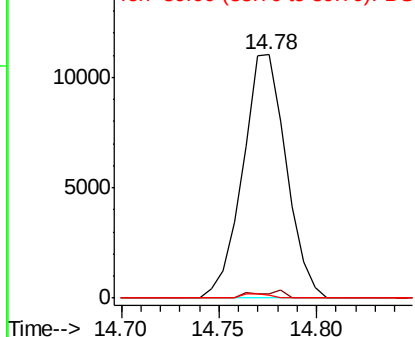


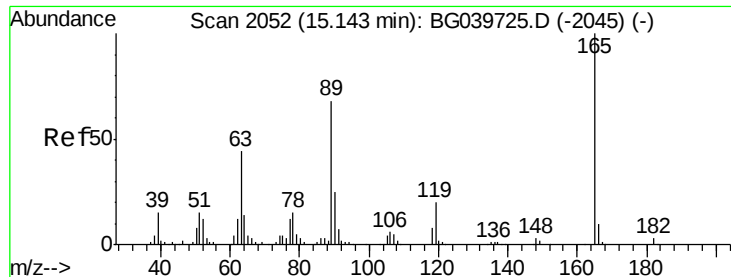
#51
2,6-Dinitrotoluene
Concen: 7.470 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Tgt Ion:165 Resp: 17030
Ion Ratio Lower Upper
165 100
63 1.6 47.0 70.6#
89 1.5 45.8 68.8#



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

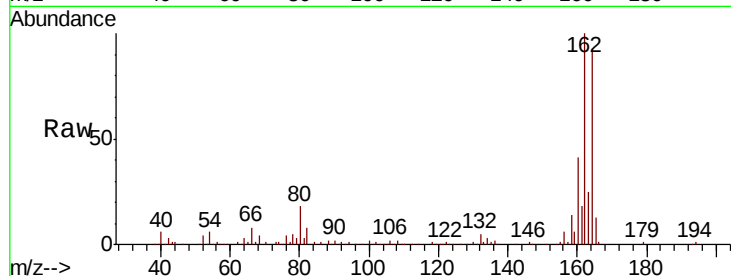




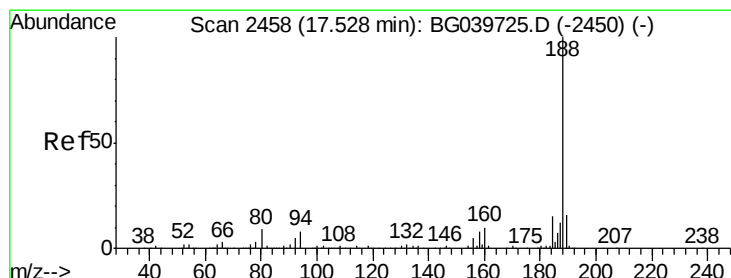
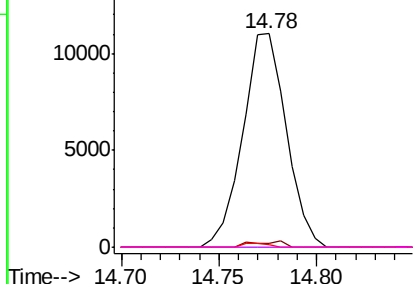
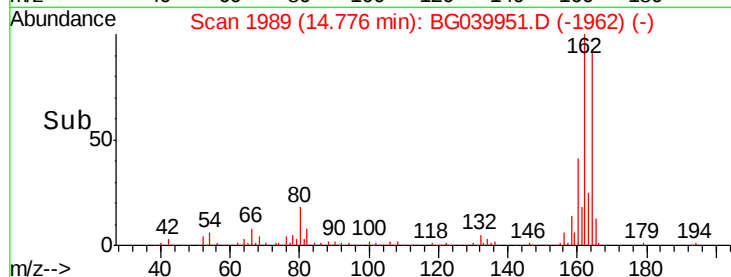
#57
2,4-Dinitrotoluene
Concen: 5.316 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Instrument :
BNA_G
ClientSampleId :
MH-CO5(SETTLE-WATER)

Tgt Ion:165 Resp: 17030
Ion Ratio Lower Upper
165 100
63 1.6 41.0 61.6#
89 1.5 64.6 96.8#
182 0.0 2.0 3.0#

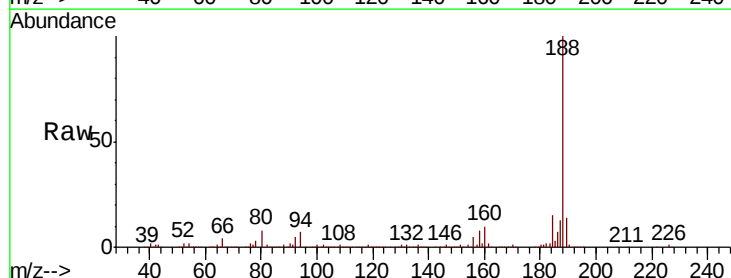


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

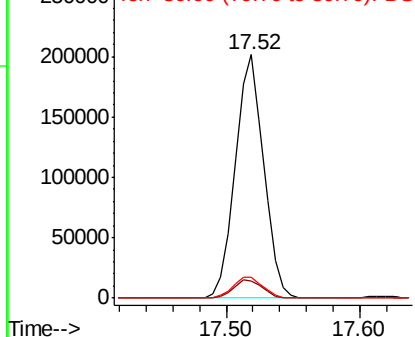
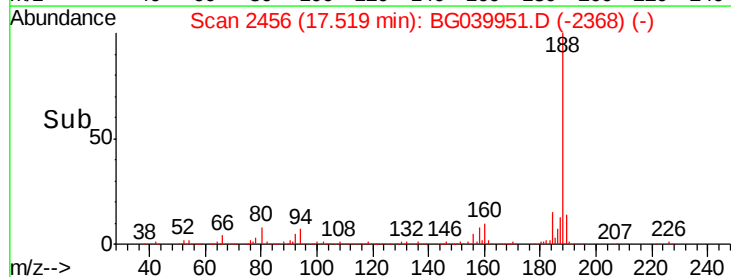


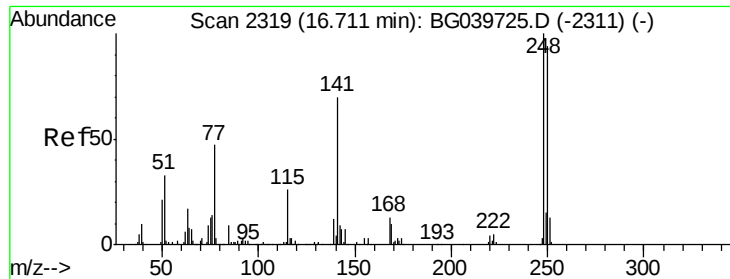
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG039951.D
Acq: 15 Mar 2019 21:28

Tgt Ion:188 Resp: 297748
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 8.3 8.1 12.1



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

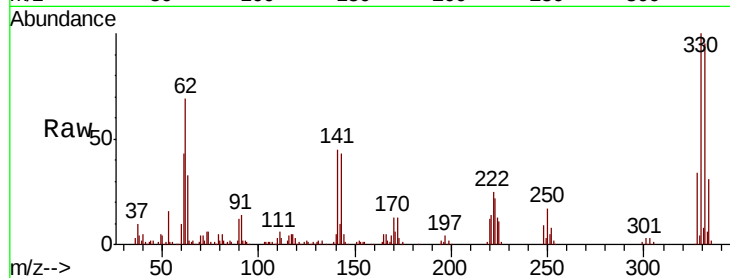




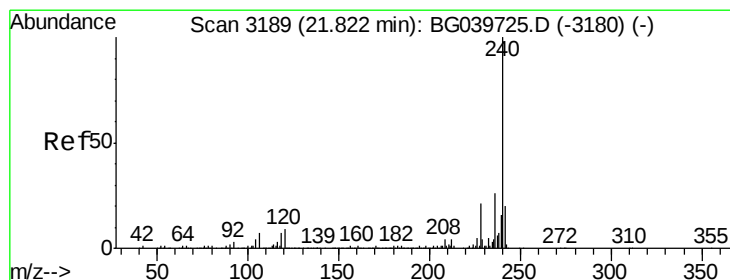
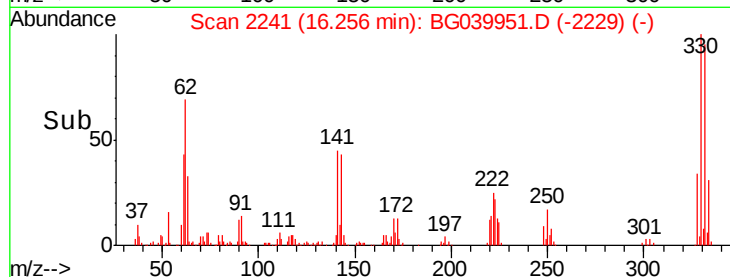
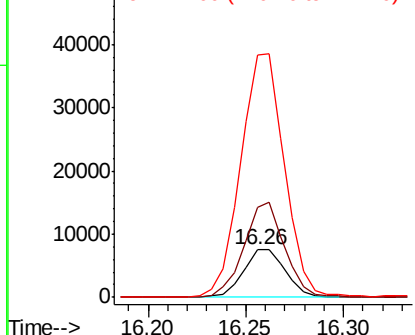
#67
 4-Bromophenyl-phenylether
 Concen: 3.363 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG039951.D
 Acq: 15 Mar 2019 21:28

Instrument :
 BNA_G
 ClientSampleId :
 MH-CO5(SETTLE-WATER)

Tgt Ion:248 Resp: 11207
 Ion Ratio Lower Upper
 248 100
 250 190.2 77.6 116.4#
 141 511.0 63.9 95.9#

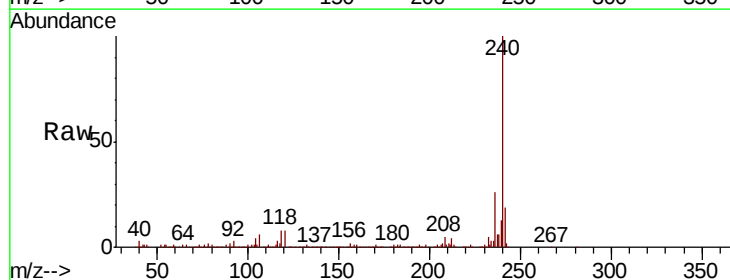


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

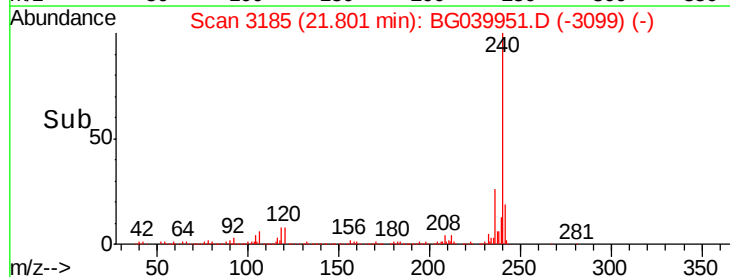
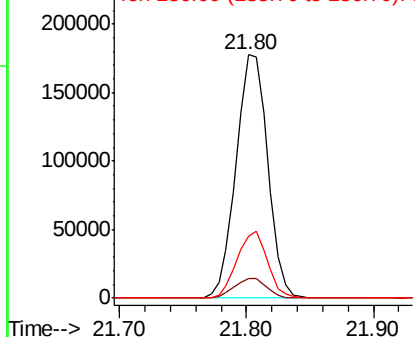


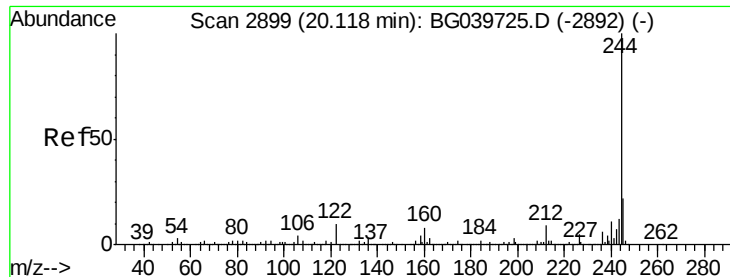
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG039951.D
 Acq: 15 Mar 2019 21:28

Tgt Ion:240 Resp: 307699
 Ion Ratio Lower Upper
 240 100
 120 8.1 7.0 10.6
 236 25.7 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





#79

Terphenyl-d14

Concen: 76.429 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

Instrument :

BNA_G

ClientSampleId :

MH-CO5(SETTLE-WATER)

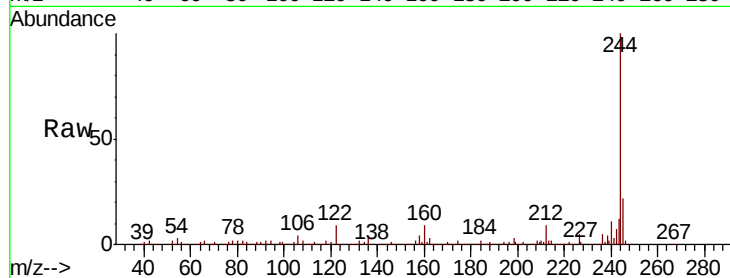
Tgt Ion:244 Resp: 1068088

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

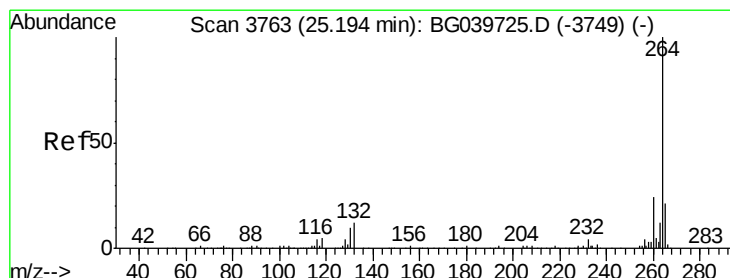
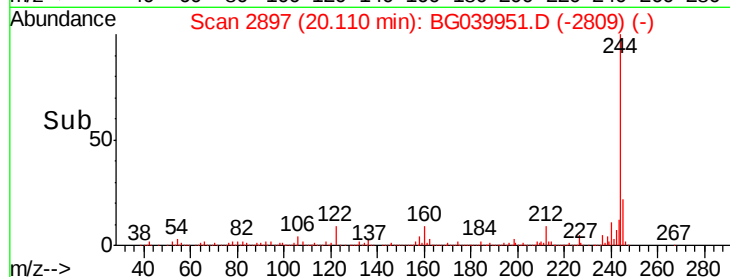
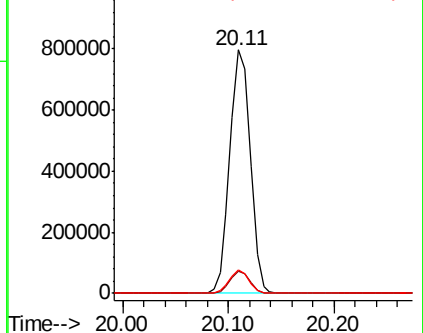
122 9.4 8.4 12.6



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: 25.17 min Scan# 3758

Delta R.T. -0.03 min

Lab File: BG039951.D

Acq: 15 Mar 2019 21:28

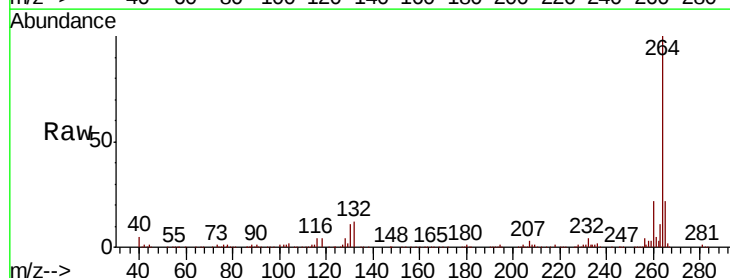
Tgt Ion:264 Resp: 320067

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

265 22.2 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

