

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040519\
 Data File : BG040384.D
 Acq On : 5 Apr 2019 19:45
 Operator : JU/SJ
 Sample : PB118644BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 05 23:38:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

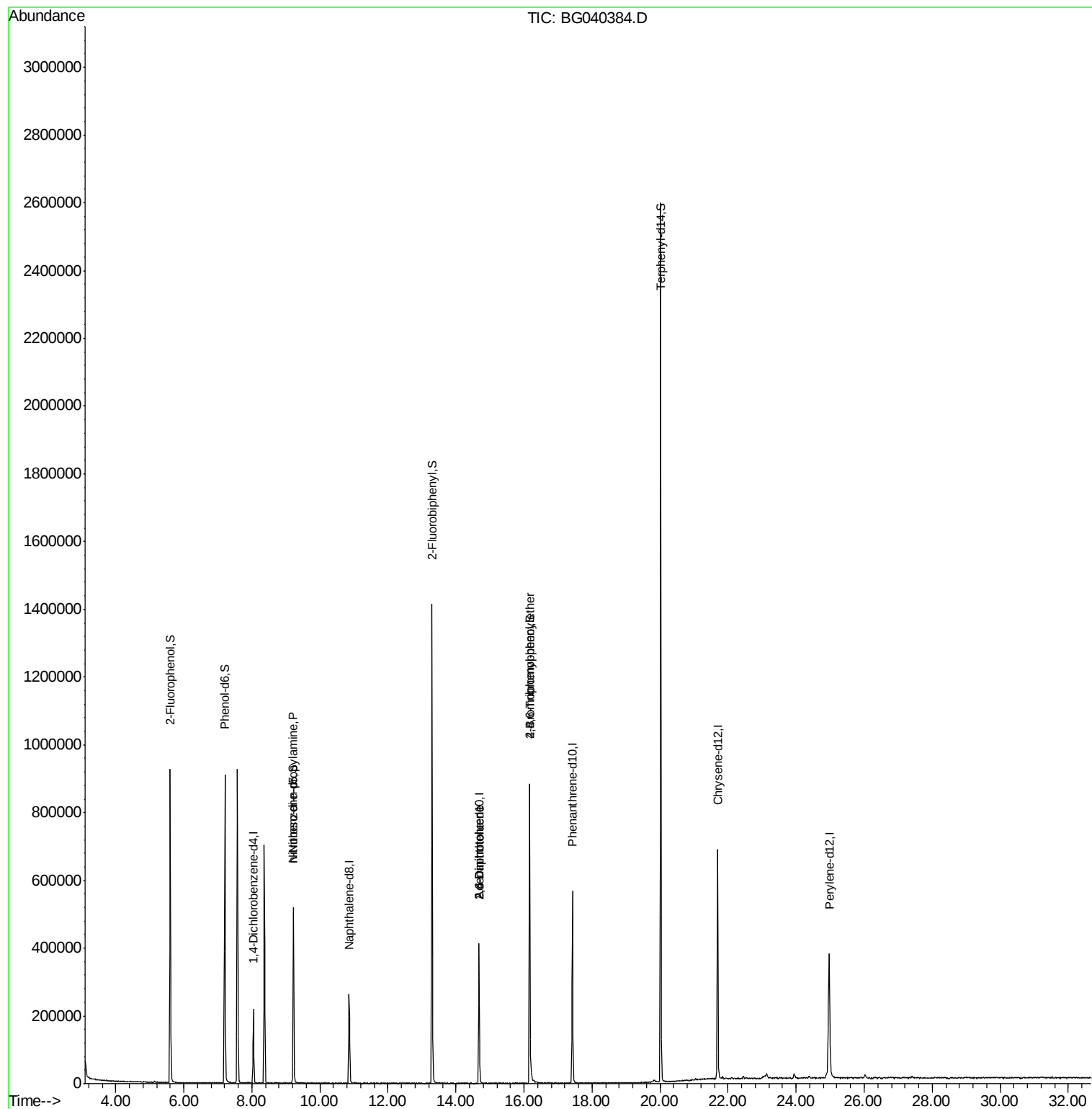
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	64182	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	247990	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	150677	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	368106	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	414239	20.00	ng	-0.04
87) Perylene-d12	24.97	264	419374	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	420331	108.87	ng	-0.02
7) Phenol-d6	7.20	99	568783	106.60	ng	-0.02
23) Nitrobenzene-d5	9.22	82	330775	70.90	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	179252	110.08	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	780528	76.76	ng	-0.03
79) Terphenyl-d14	20.02	244	1245384	67.63	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	41596	10.873	ng	# 70
51) 2,6-Dinitrotoluene	14.68	165	19494	7.362	ng	# 26
57) 2,4-Dinitrotoluene	14.68	165	19494	5.298	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	13184	3.183	ng	# 1

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

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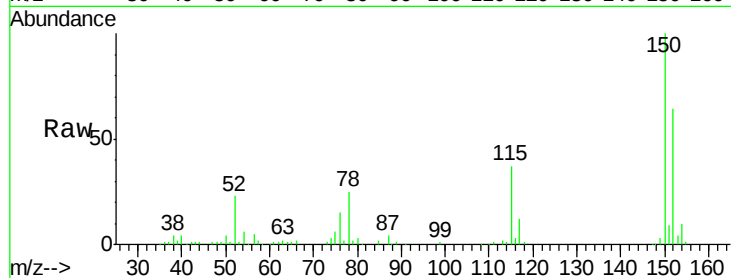


#1

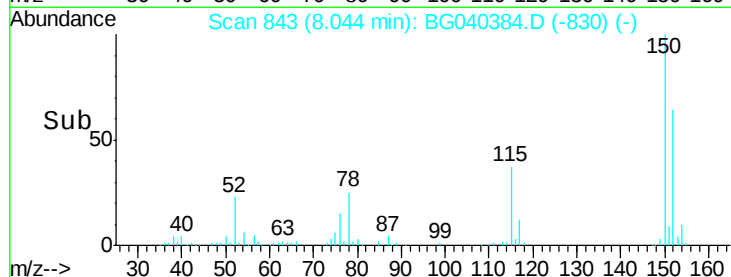
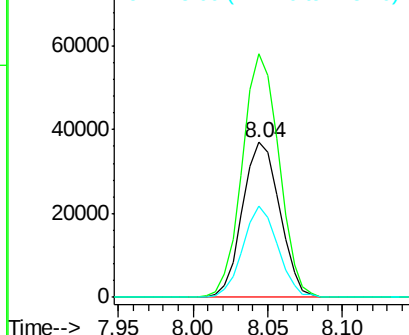
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 64182
Ion Ratio Lower Upper
152 100
150 157.3 123.7 185.5
115 58.6 46.9 70.3



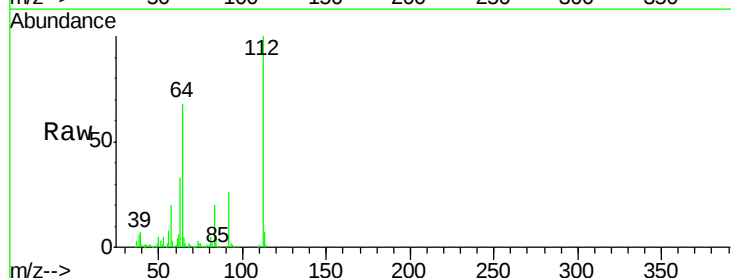
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



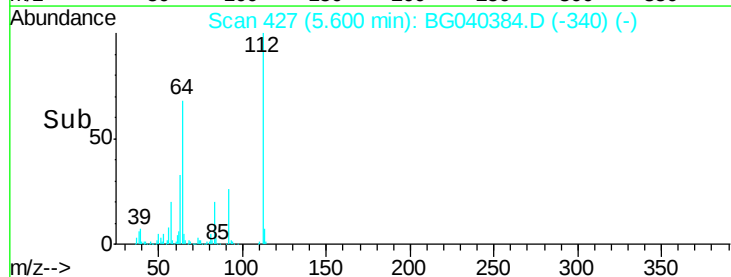
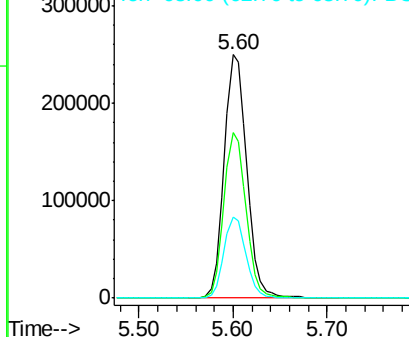
#5

2-Fluorophenol
Concen: 108.872 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.02 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

Tgt Ion:112 Resp: 420331
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.2
63 33.4 26.4 39.6



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: 106.600 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

Instrument :

BNA_G

ClientSampleId :

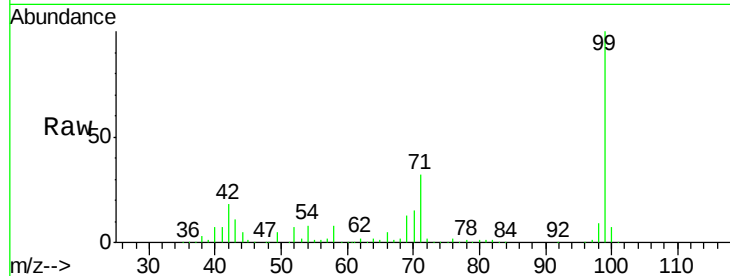
Tot Ion: 99 Resp: 568783

Ion Ratio Lower Upper

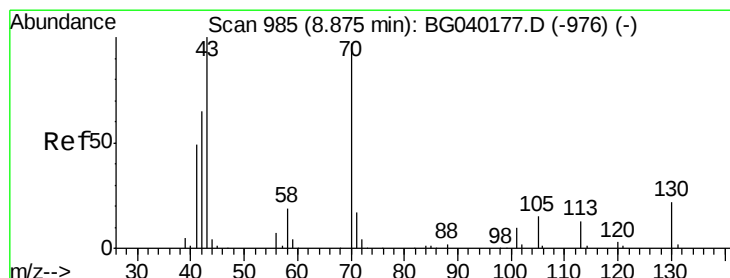
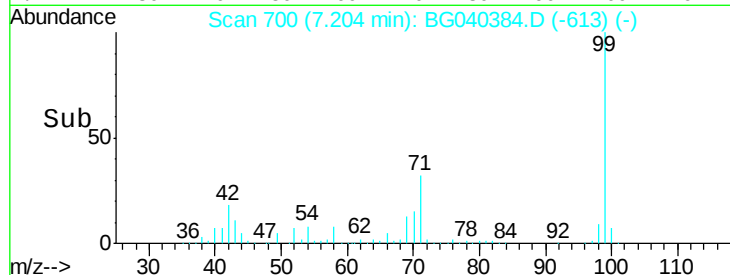
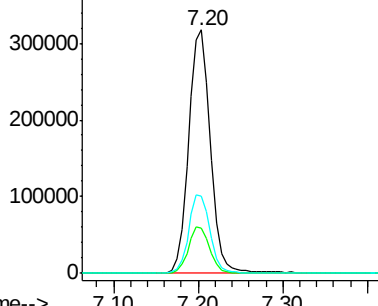
99 100

42 18.4 16.2 24.2

71 31.8 26.8 40.2



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: 10.873 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

Tgt Ion: 70 Resp: 41596

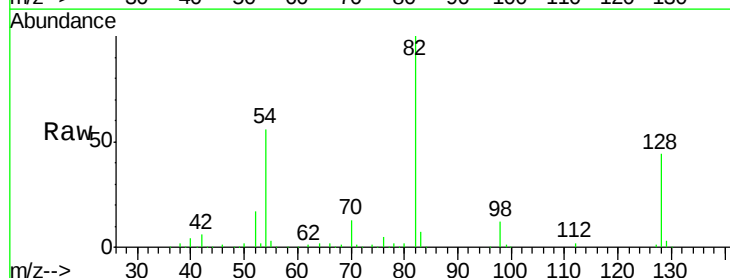
Ion Ratio Lower Upper

70 100

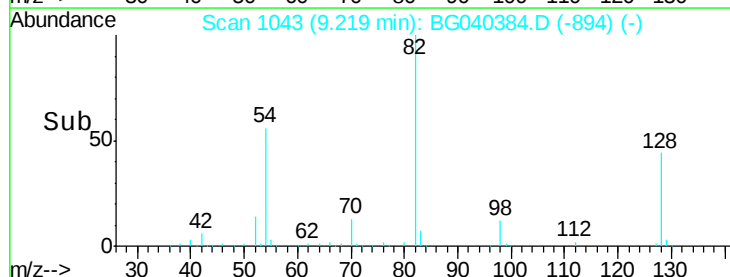
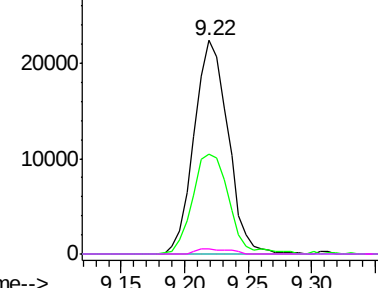
42 46.8 54.0 81.0#

101 0.0 8.6 13.0#

130 2.5 18.2 27.2#



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

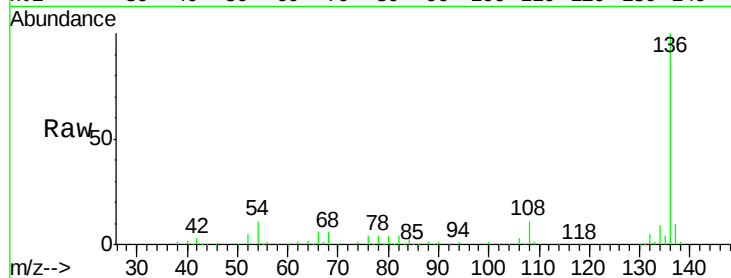




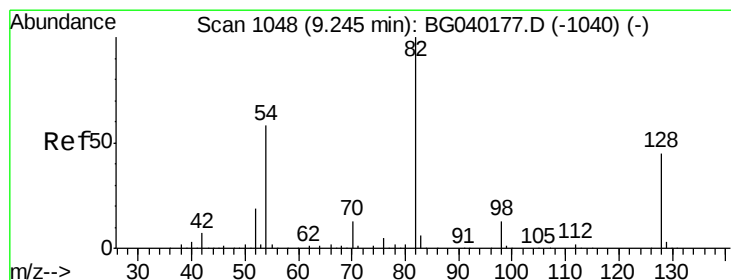
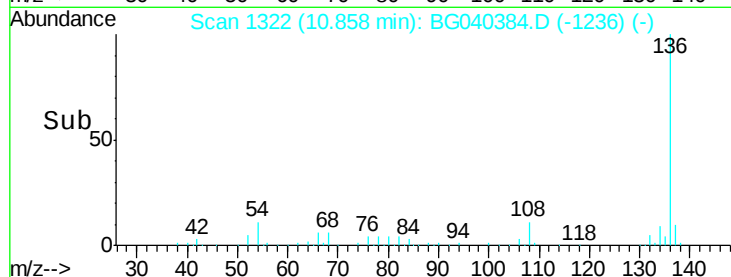
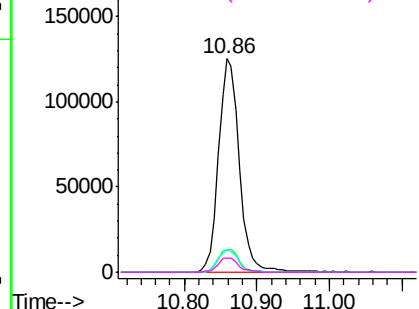
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	247990
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.9	13.3
54 10.6	9.6	14.4
68 6.4	5.1	7.7

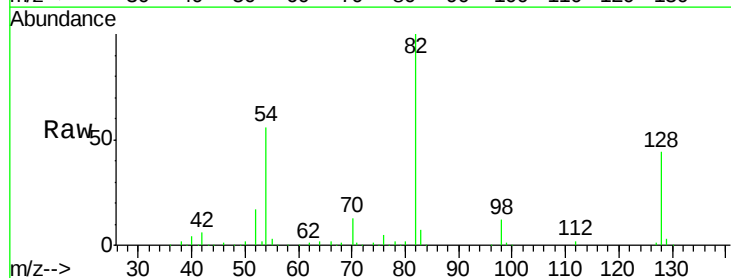


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

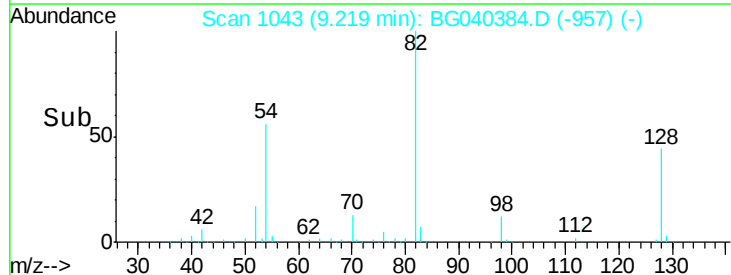
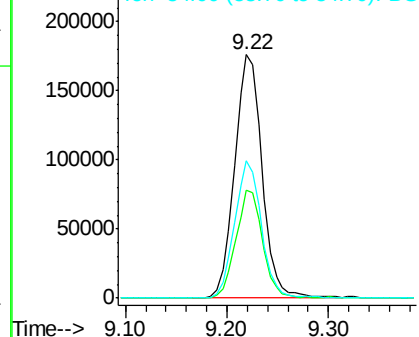


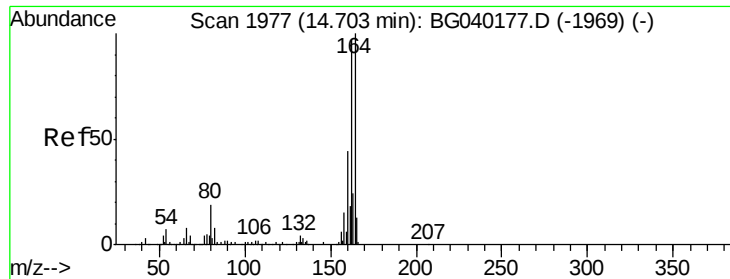
#23
Nitrobenzene-d5
Concen: 70.897 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

Tgt	Ion: 82	Resp:	330775
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.8	53.8
54	56.3	46.2	69.2



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: 14.68 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

Instrument :

BNA_G

ClientSampleId :

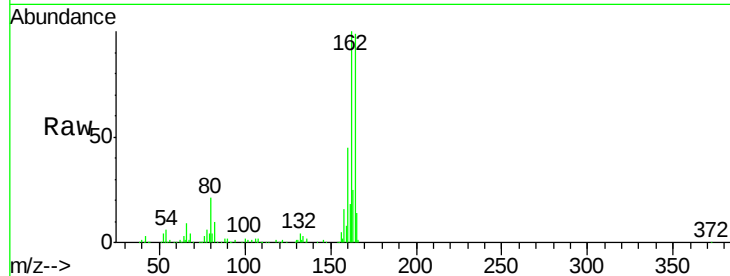
Tot Ion:164 Resp: 150677

Ion Ratio Lower Upper

164 100

162 100.6 77.4 116.2

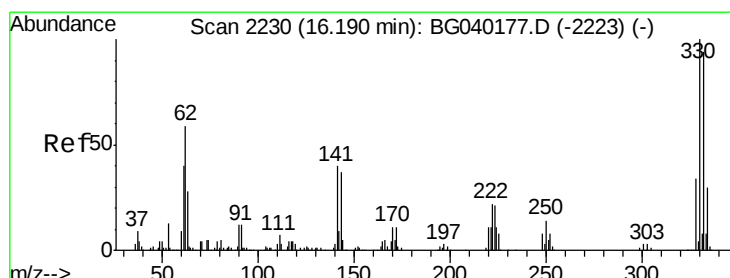
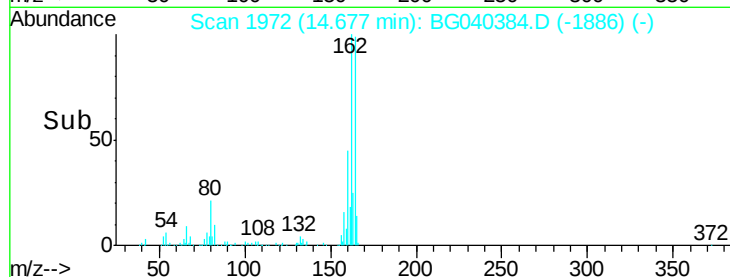
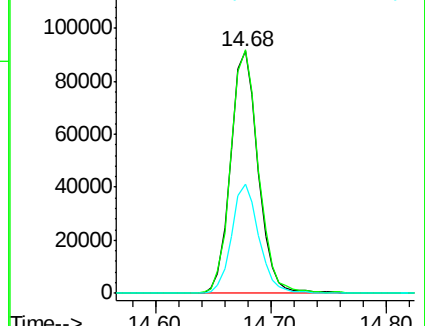
160 45.0 35.3 52.9



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: 110.077 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

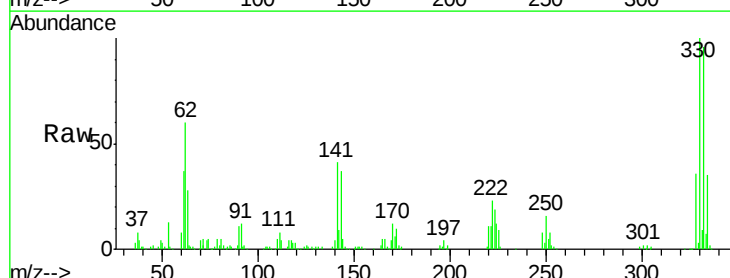
Tgt Ion:330 Resp: 179252

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

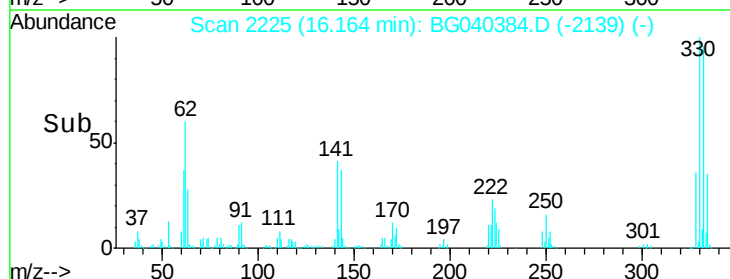
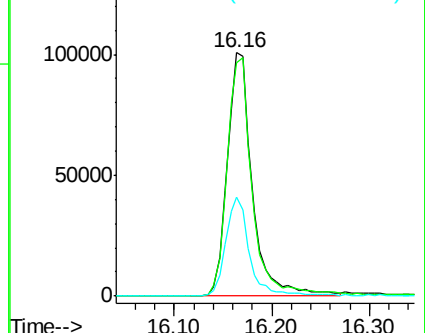
141 38.4 32.6 48.8



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

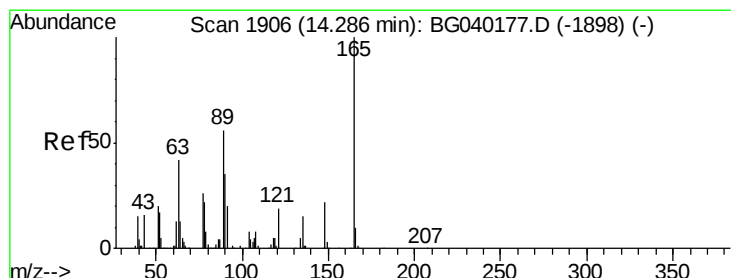
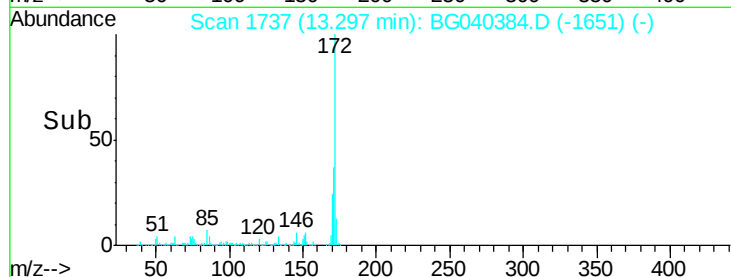
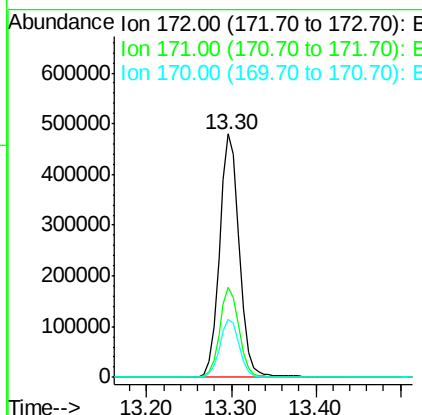
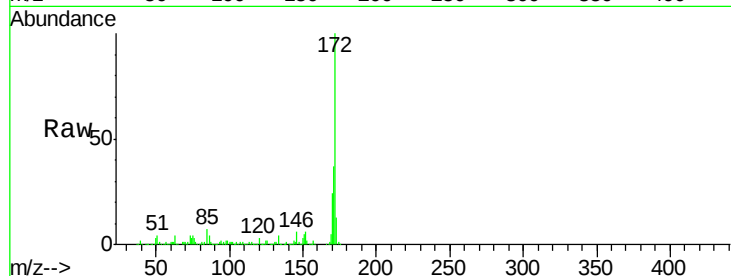




#45
2-Fluorobiphenyl
Concen: 76.757 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

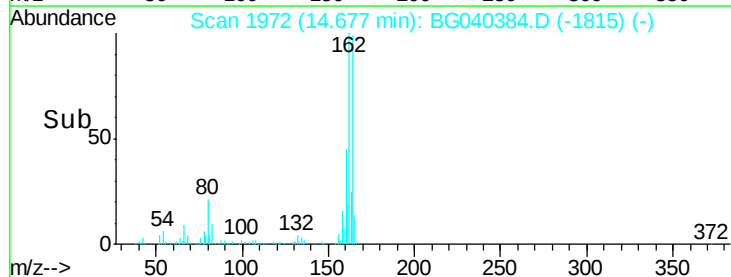
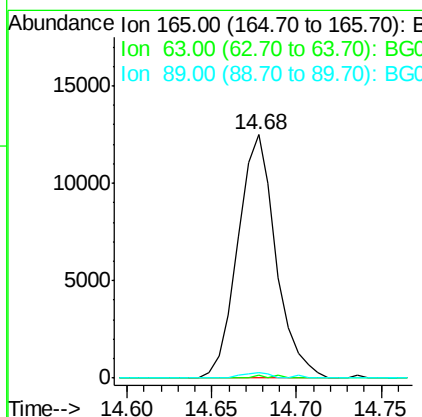
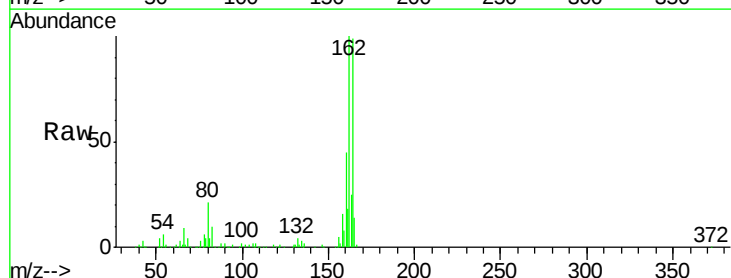
Instrument :
BNA_G
ClientSampleId :

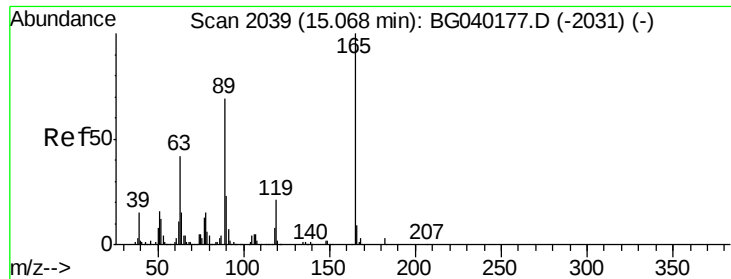
Tot Ion:172 Resp: 780528
Ion Ratio Lower Upper
172 100
171 36.9 30.5 45.7
170 23.9 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.362 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.39 min
Lab File: BG040384.D
Acq: 5 Apr 2019 19:45

Tgt Ion:165 Resp: 19494
Ion Ratio Lower Upper
165 100
63 1.3 44.1 66.1#
89 2.4 44.9 67.3#





#57

2,4-Dinitrotoluene

Concen: 5.298 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.39 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 19494

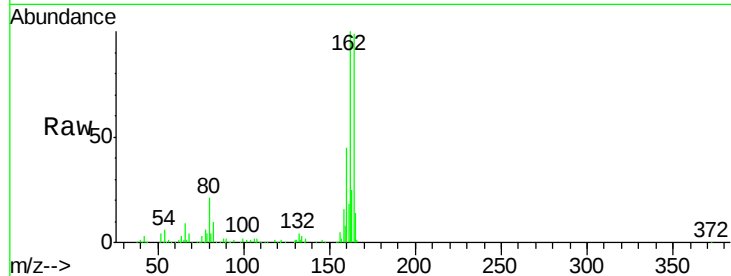
Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.6#

89 2.4 55.4 83.2#

182 0.0 2.2 3.4#

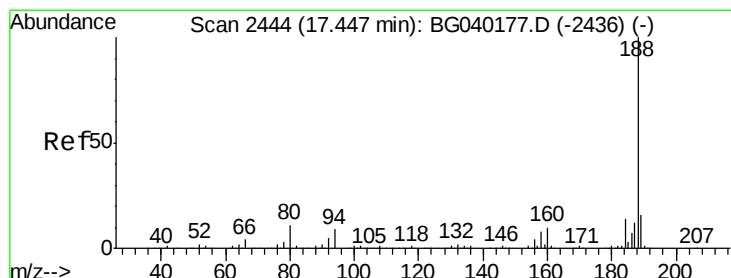
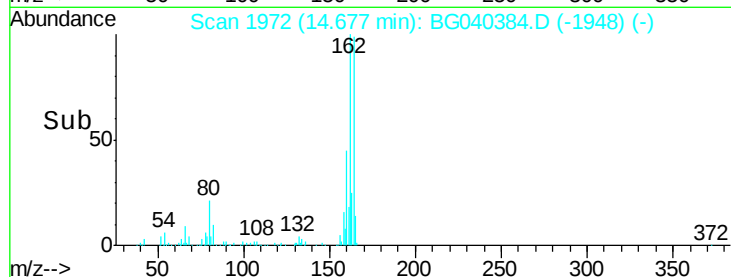
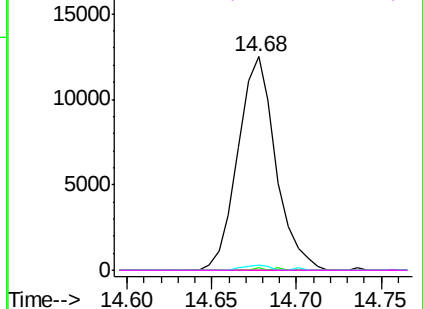


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG040384.D

Acq: 5 Apr 2019 19:45

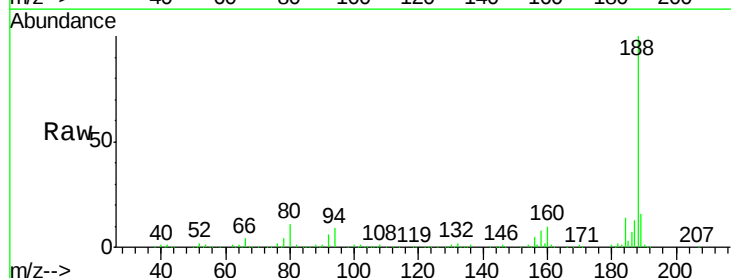
Tgt Ion:188 Resp: 368106

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

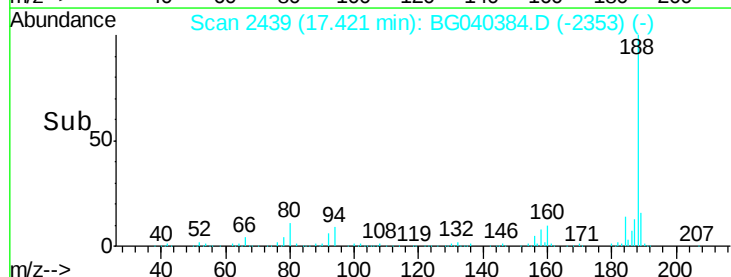
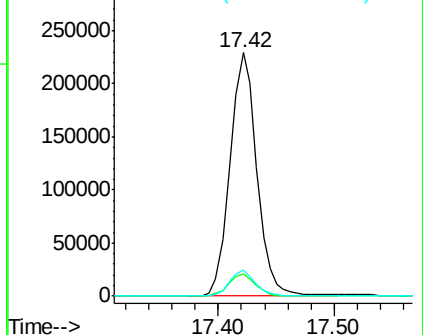
80 10.9 8.6 13.0



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

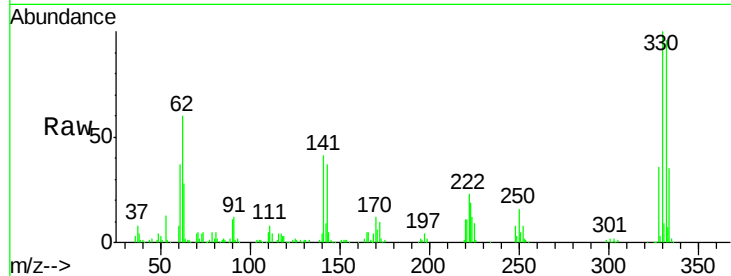




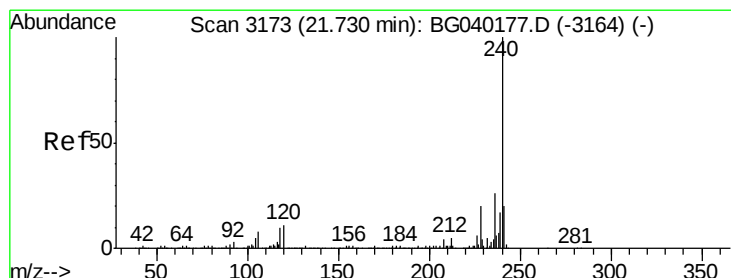
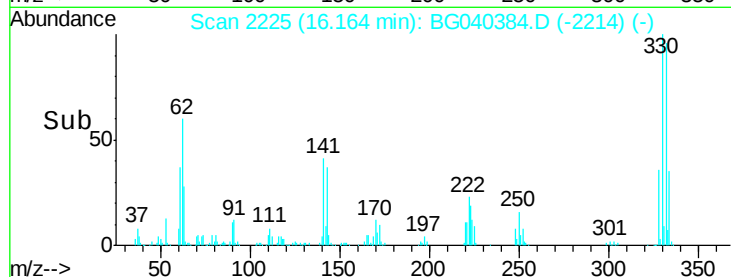
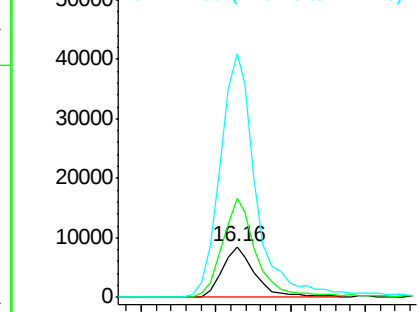
#67
 4-Bromophenyl-phenylether
 Concen: 3.183 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040384.D
 Acq: 5 Apr 2019 19:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13184
 Ion Ratio Lower Upper
 248 100
 250 196.0 76.4 114.6#
 141 483.0 53.8 80.8#

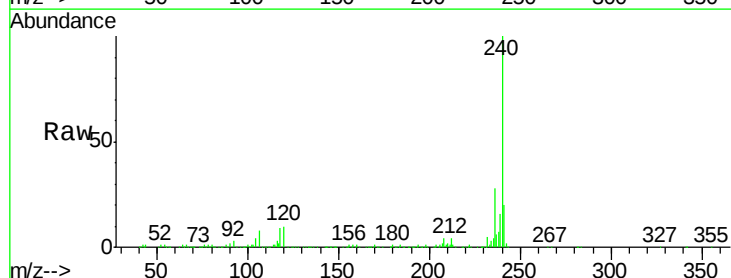


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

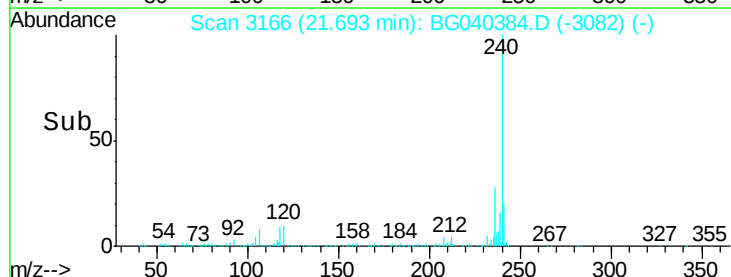
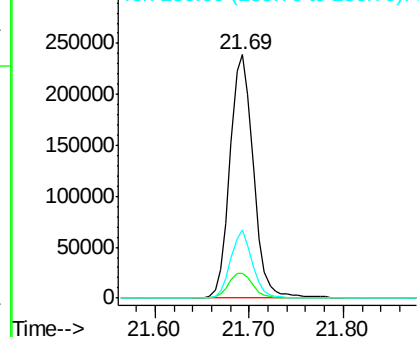


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG040384.D
 Acq: 5 Apr 2019 19:45

Tgt Ion:240 Resp: 414239
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 28.0 20.8 31.2



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

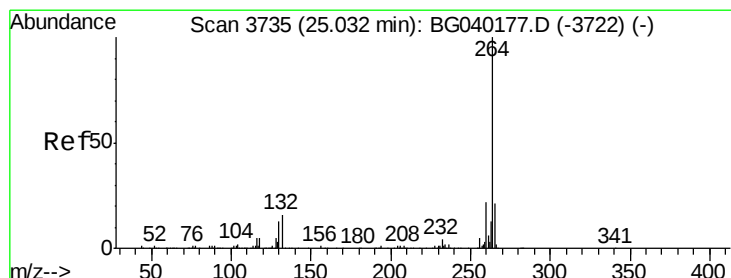
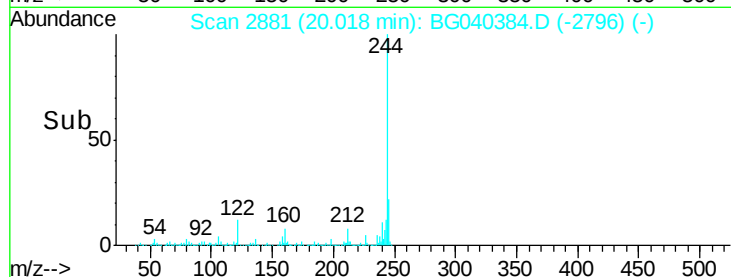
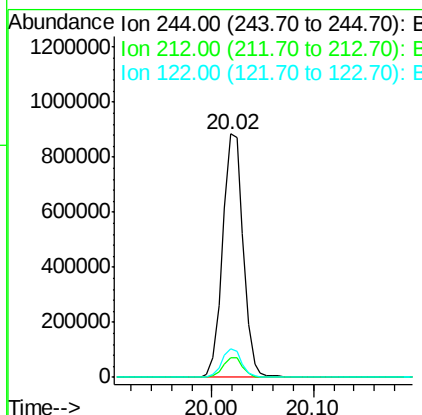
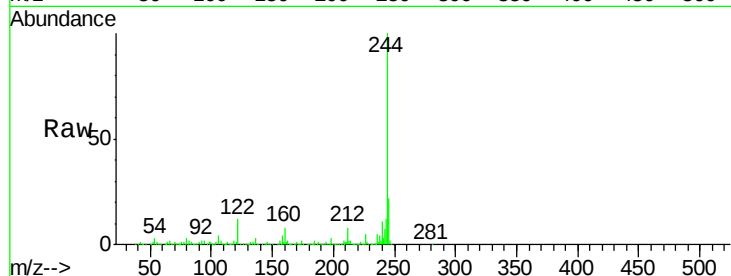




#79
 Terphenyl-d14
 Concen: 67.634 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. -0.03 min
 Lab File: BG040384.D
 Acq: 5 Apr 2019 19:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1245384
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.0 10.6
 122 11.9 8.5 12.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3724
 Delta R.T. -0.06 min
 Lab File: BG040384.D
 Acq: 5 Apr 2019 19:45

Tgt Ion:264 Resp: 419374
 Ion Ratio Lower Upper
 264 100
 260 23.7 17.9 26.9
 265 22.0 16.8 25.2

