

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039910.D
 Acq On : 13 Mar 2019 20:03
 Operator : JU/SJ
 Sample : K1693-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:19:22 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

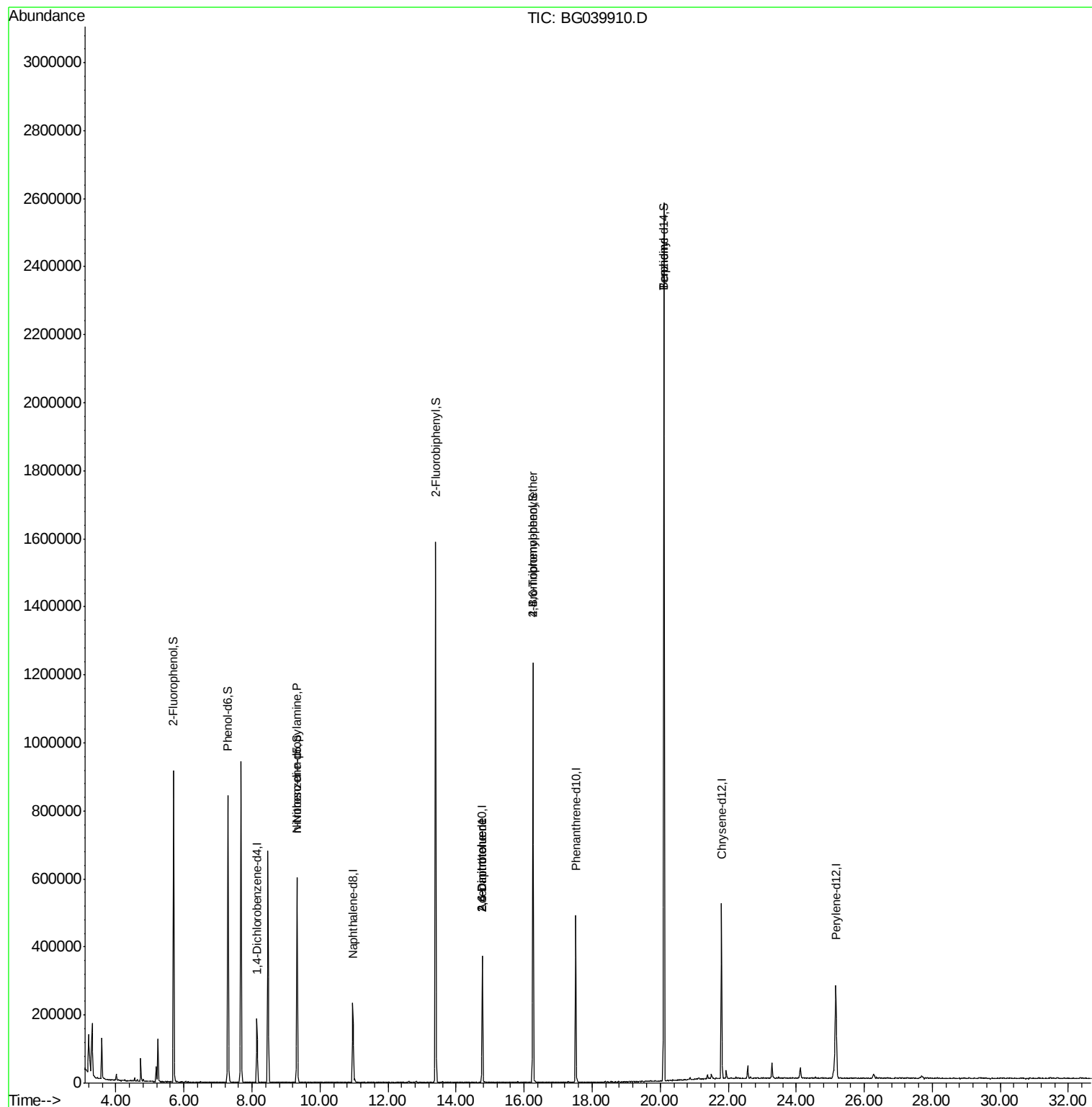
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	50676	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	200668	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	130611	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	307024	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	313217	20.00	ng	-0.02
87) Perylene-d12	25.16	264	313181	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	366085	123.24	ng	-0.01
7) Phenol-d6	7.29	99	477804	107.88	ng	-0.02
23) Nitrobenzene-d5	9.33	82	348437	93.91	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	213602	140.31	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	831539	90.65	ng	-0.02
79) Terphenyl-d14	20.11	244	1183427	83.19	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	45995	14.428	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	17121	7.395	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	17121	5.263	ng	# 21
67) 4-Bromophenyl-phenylether	16.26	248	16668	4.850	ng	# 1
77) Benzidine	20.11	184	21077	2.121	ng	# 95

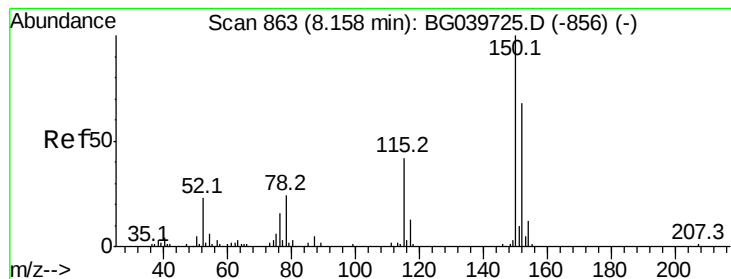
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
Data File : BG039910.D
Acq On : 13 Mar 2019 20:03
Operator : JU/SJ
Sample : K1693-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
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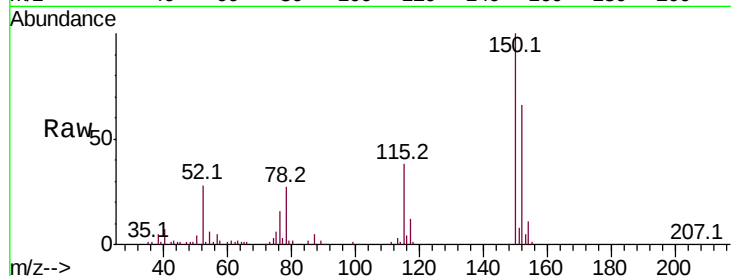


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039910.D
Acq: 13 Mar 2019 20:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	123.7	185.5
115	56.8	45.9	68.9

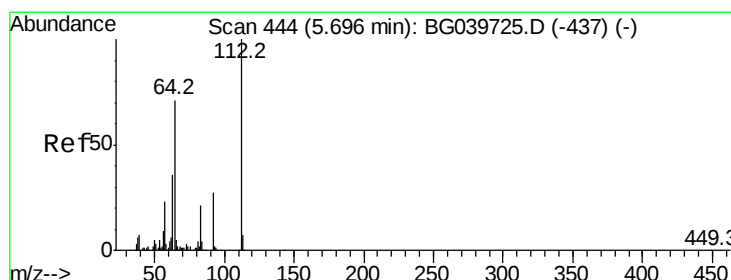
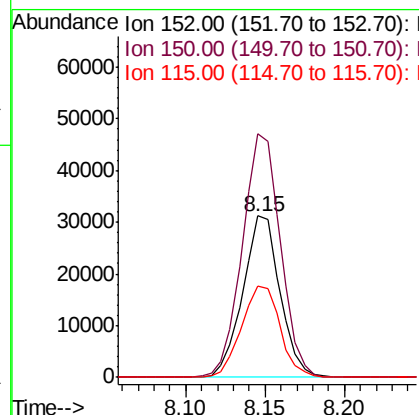
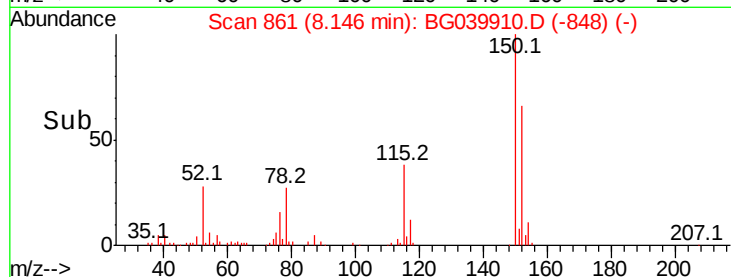


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

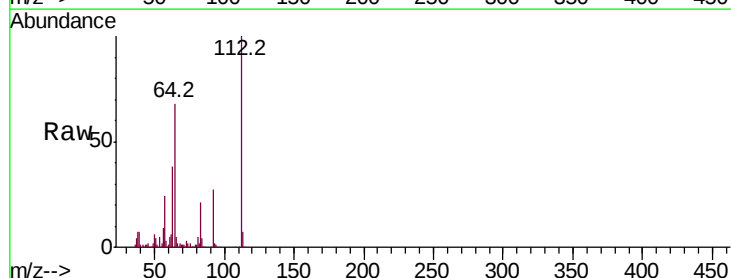
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.243 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039910.D
Acq: 13 Mar 2019 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	57.8	86.8
63	37.5	29.8	44.6

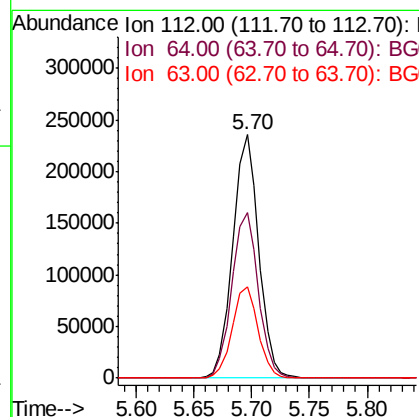
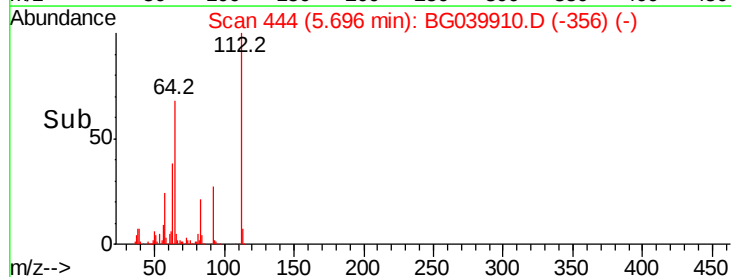


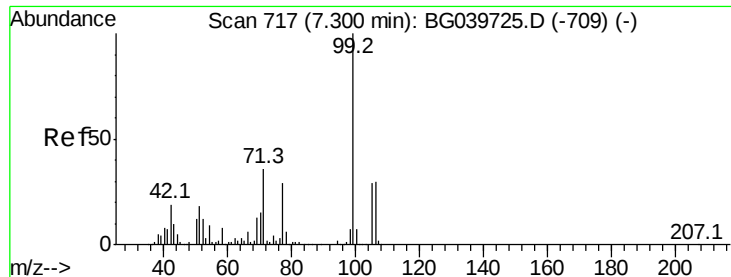
Abundance

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: 107.878 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

Instrument :

BNA_G

ClientSampleId :

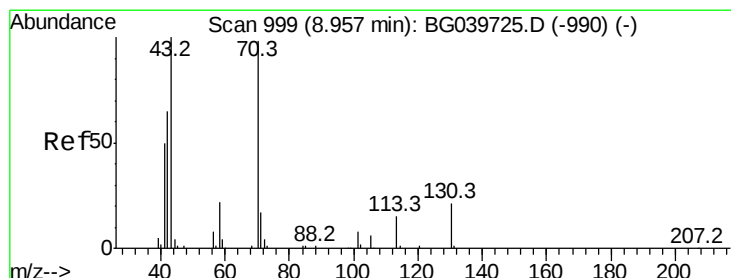
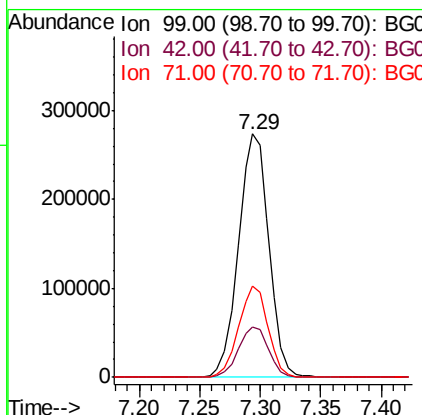
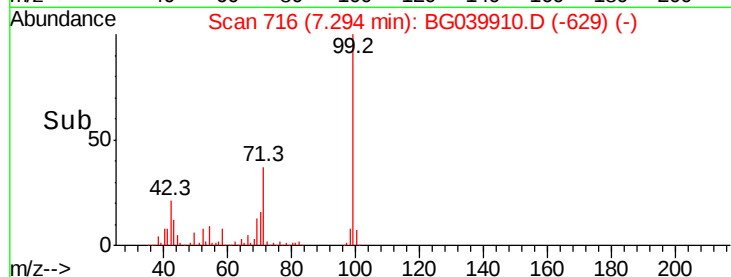
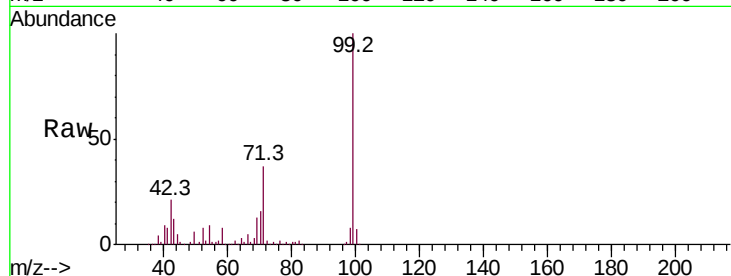
Tot Ion: 99 Resp: 477804

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 37.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.428 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

Tgt Ion: 70 Resp: 45995

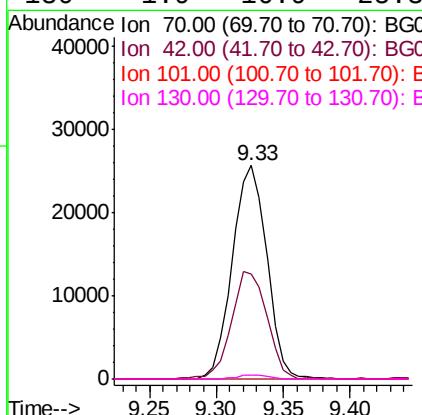
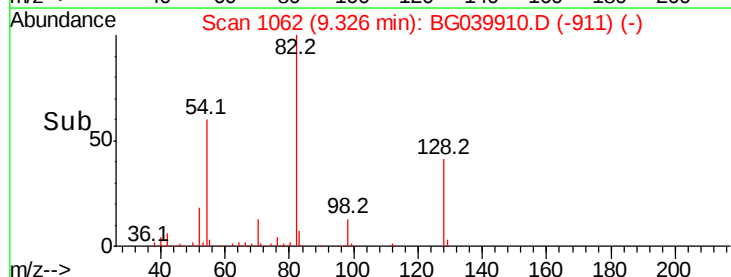
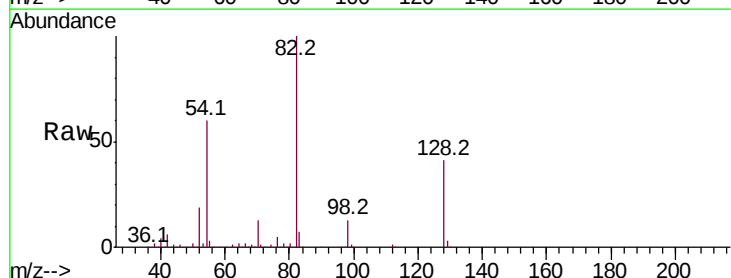
Ion Ratio Lower Upper

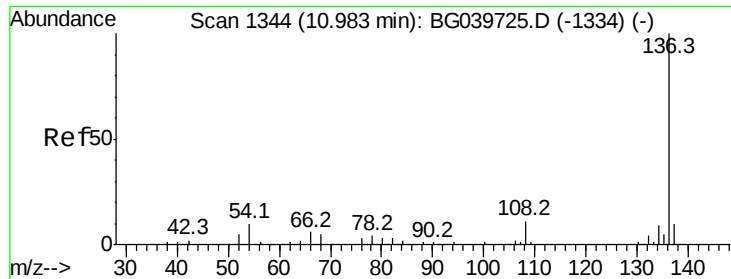
70 100

42 48.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

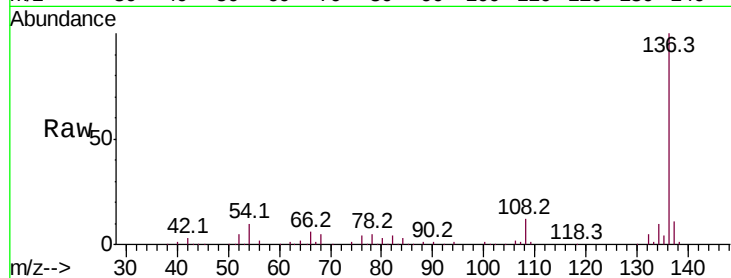




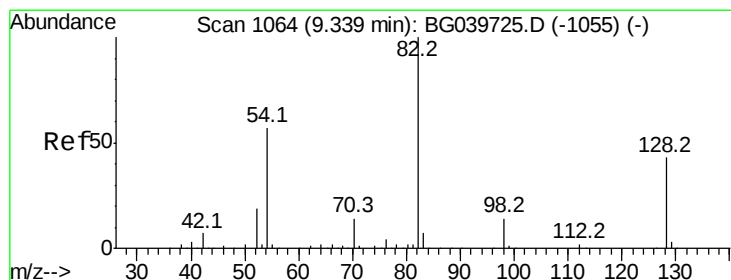
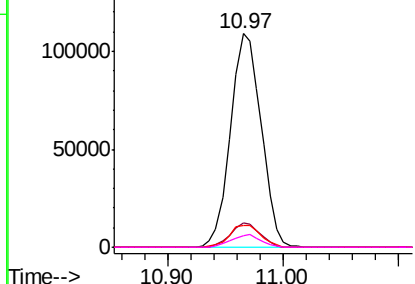
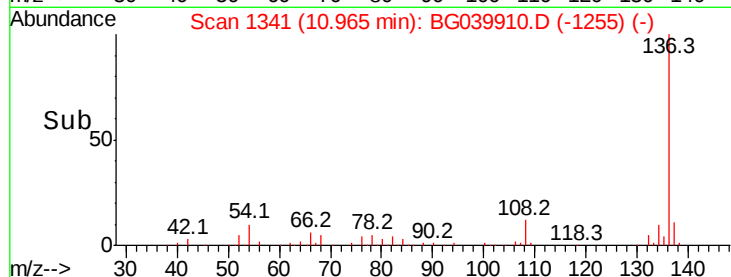
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039910.D
Acq: 13 Mar 2019 20:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	200668
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	10.4	9.4 14.2
68	5.5	4.2 6.4

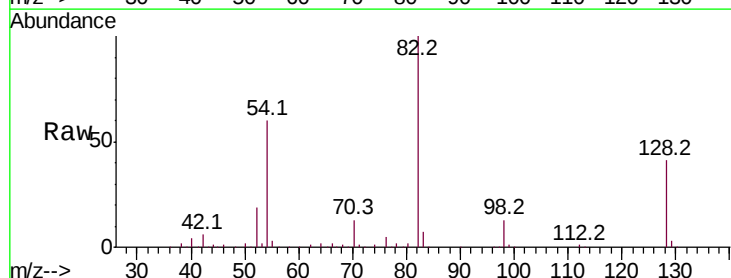


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

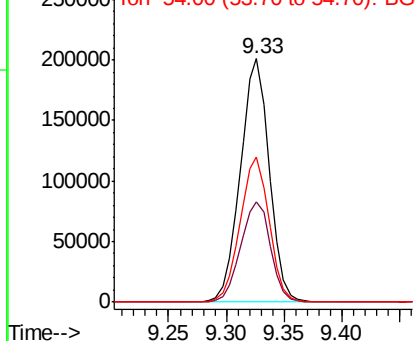
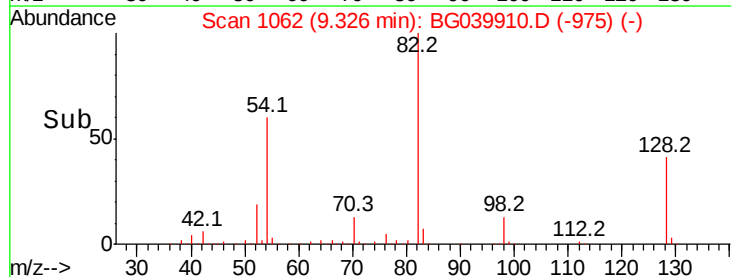


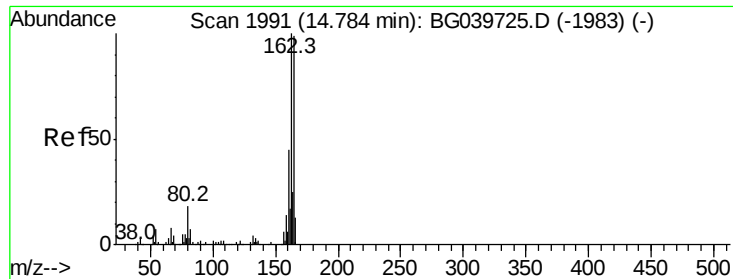
#23
Nitrobenzene-d5
Concen: 93.911 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039910.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 82	Resp:	348437
Ion Ratio	Lower	Upper
82	100	
128	41.4	31.3 46.9
54	59.6	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

Instrument :

BNA_G

ClientSampled :

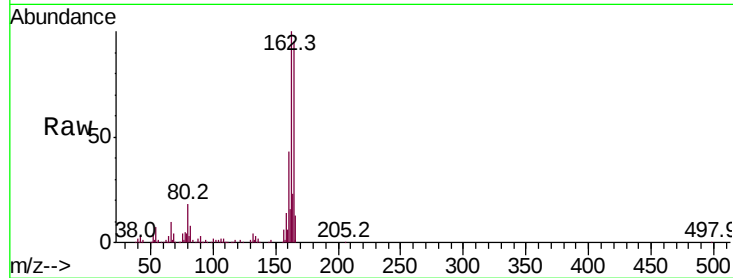
Tot Ion:164 Resp: 130611

Ion Ratio Lower Upper

164 100

162 105.0 81.6 122.4

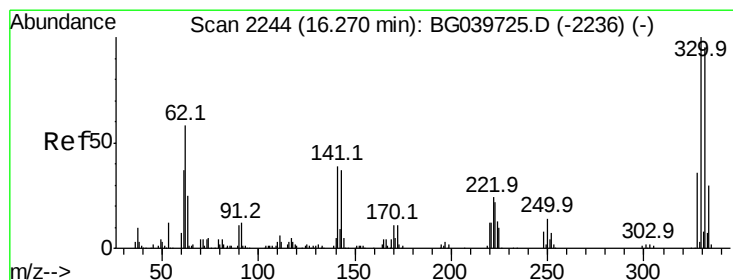
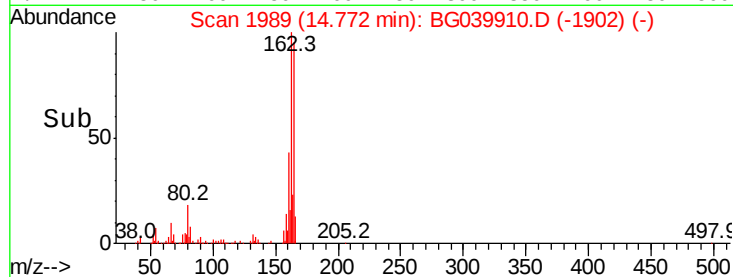
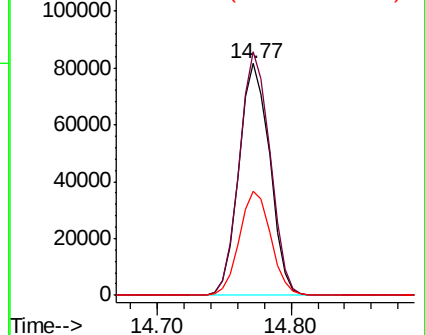
160 45.1 34.2 51.2



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: 140.309 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

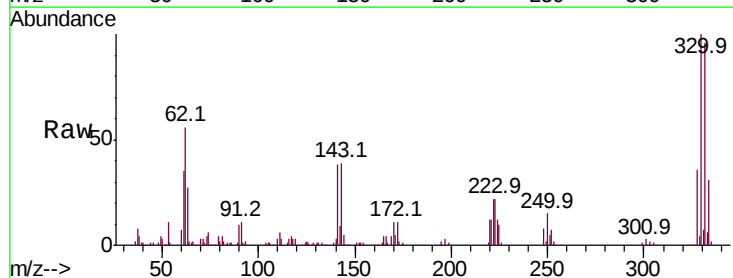
Tgt Ion:330 Resp: 213602

Ion Ratio Lower Upper

330 100

332 94.8 75.7 113.5

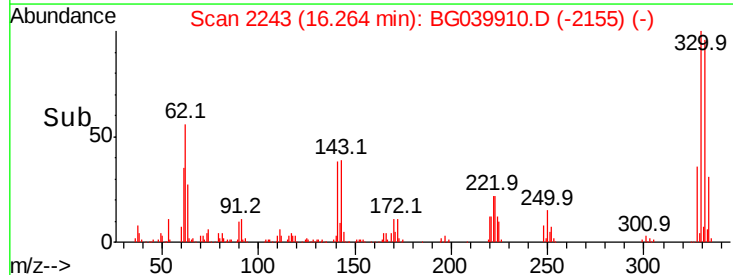
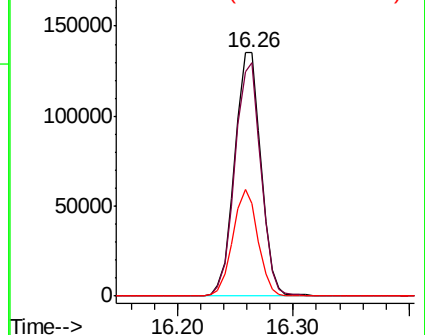
141 42.0 35.6 53.4

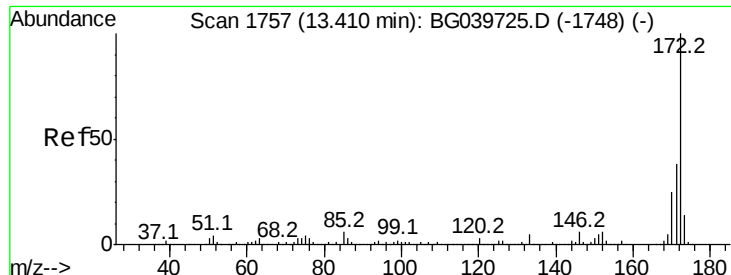


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

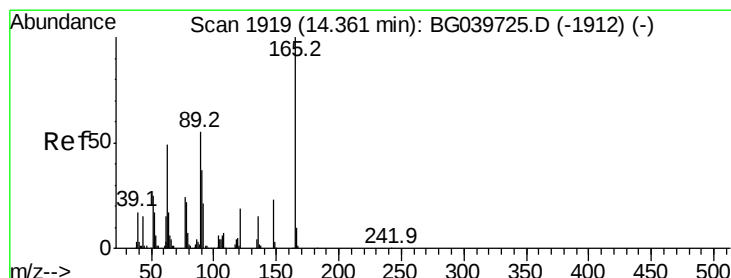
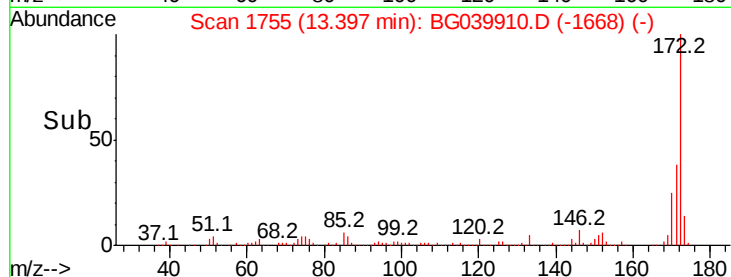
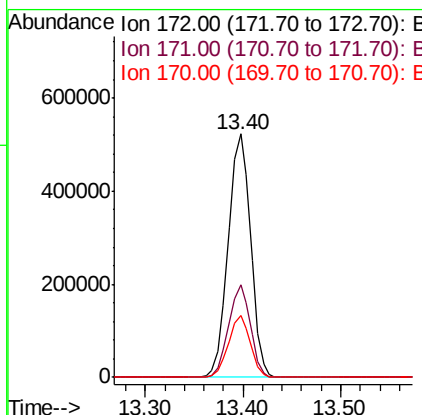
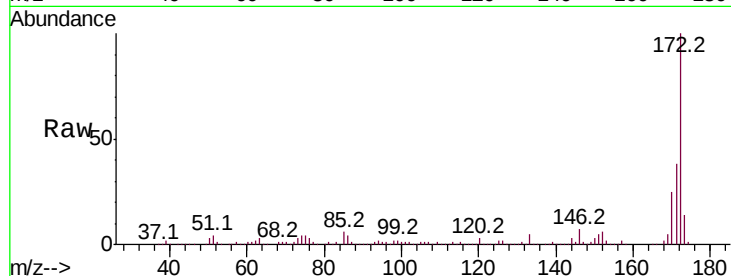




#45
 2-Fluorobiphenyl
 Concen: 90.649 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039910.D
 Acq: 13 Mar 2019 20:03

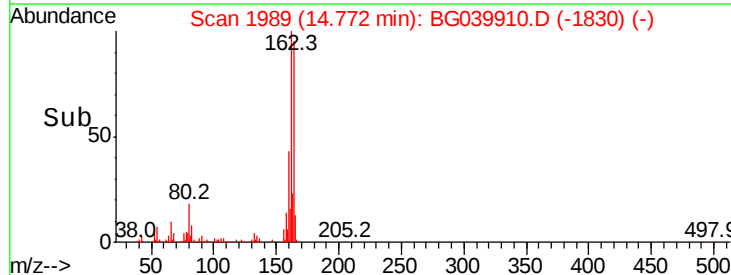
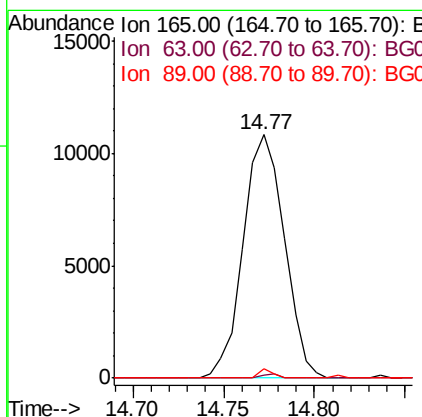
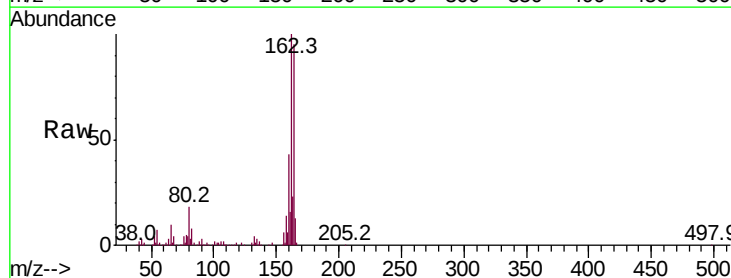
Instrument :
 BNA_G
 ClientSampleId :

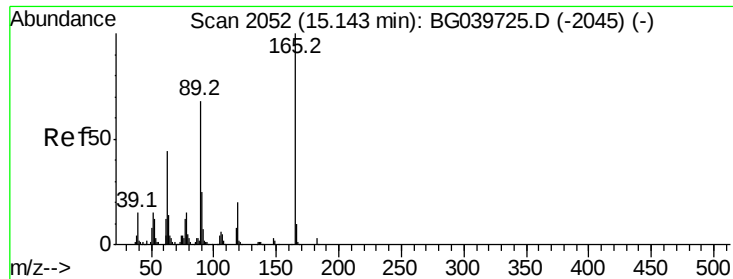
Tot Ion:172 Resp: 831539
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.5 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.395 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039910.D
 Acq: 13 Mar 2019 20:03

Tgt Ion:165 Resp: 17121
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.0 70.6#
 89 3.8 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 5.263 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

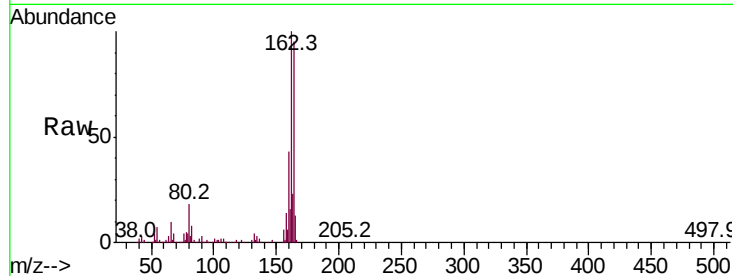
Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 17121

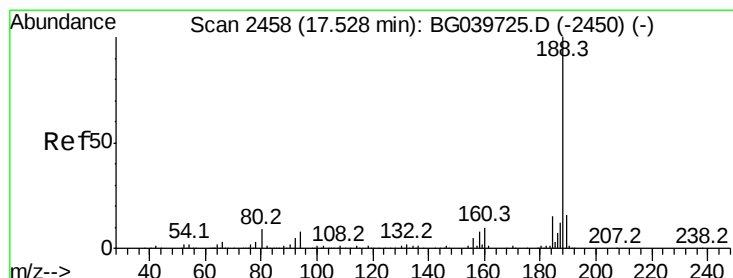
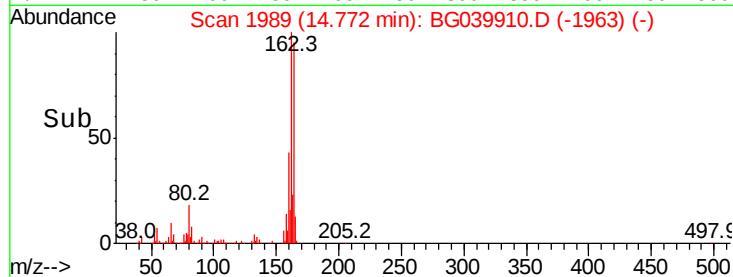
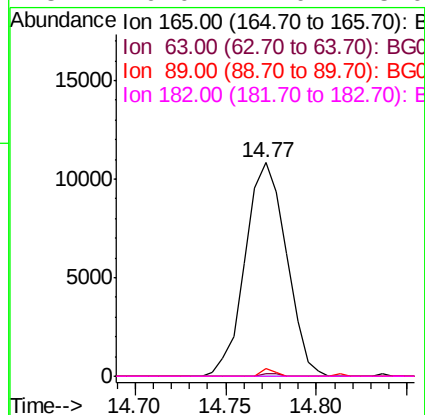
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 3.8 64.6 96.8#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

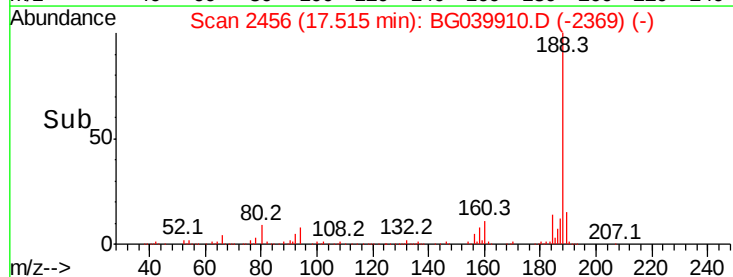
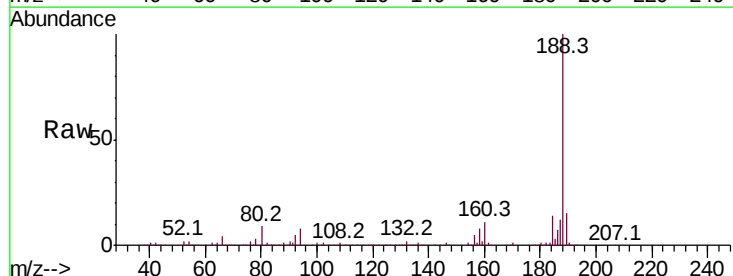
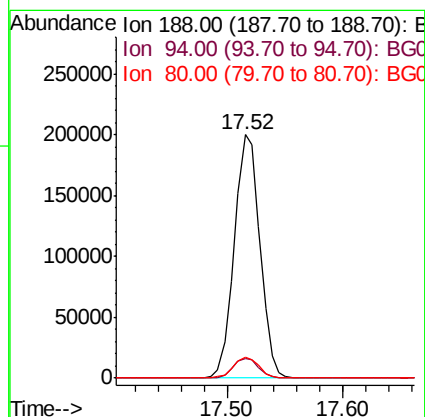
Tgt Ion:188 Resp: 307024

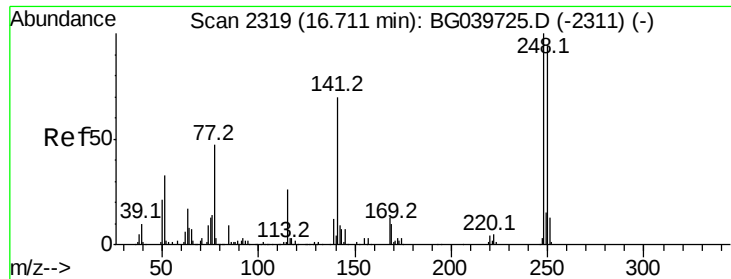
Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

80 8.5 8.1 12.1

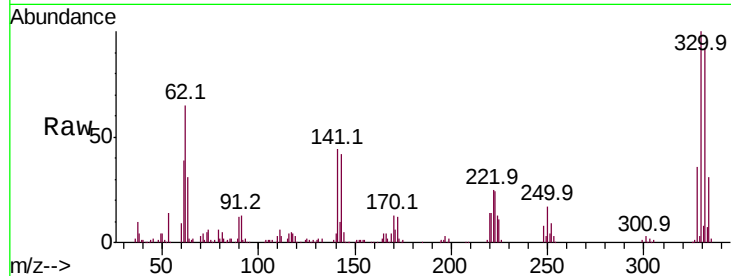




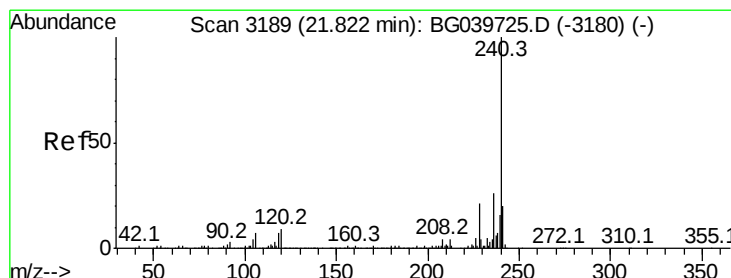
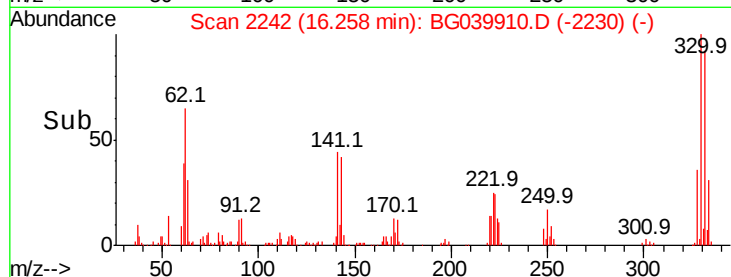
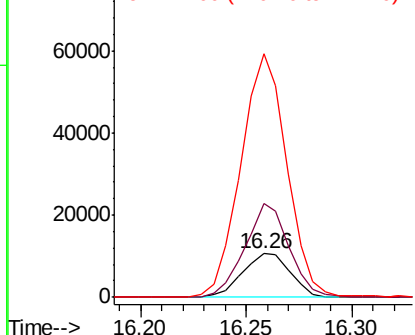
#67
 4-Bromophenyl-phenylether
 Concen: 4.850 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039910.D
 Acq: 13 Mar 2019 20:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16668
 Ion Ratio Lower Upper
 248 100
 250 214.7 77.6 116.4#
 141 557.3 63.9 95.9#

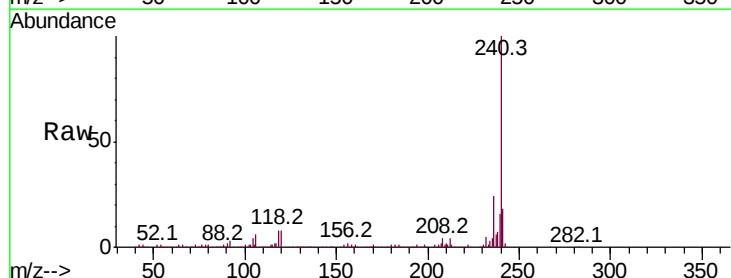


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

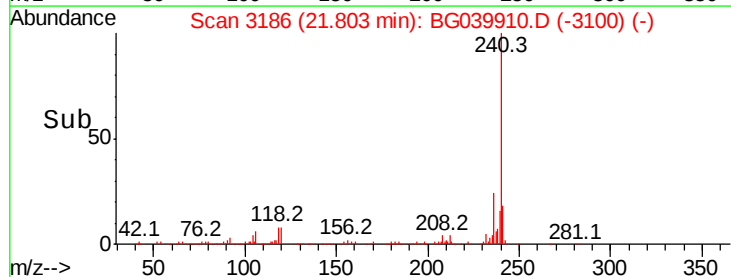
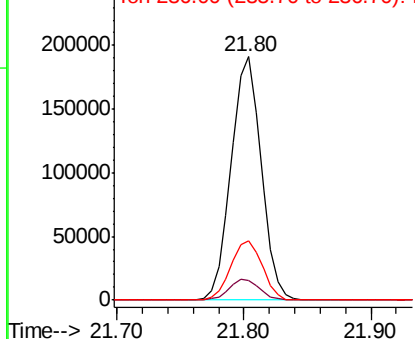


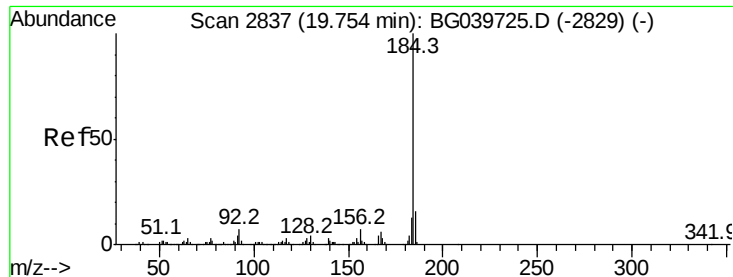
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG039910.D
 Acq: 13 Mar 2019 20:03

Tgt Ion:240 Resp: 313217
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 24.2 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: 2.121 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

Instrument :

BNA_G

ClientSampleId :

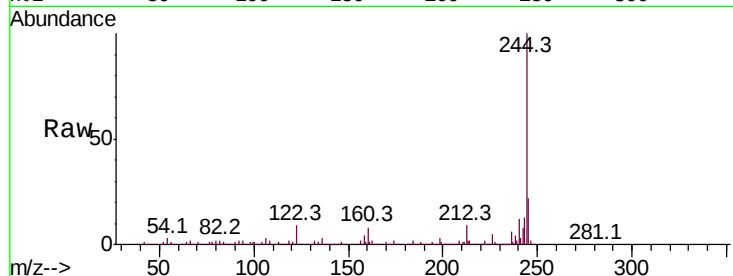
Tot Ion:184 Resp: 21077

Ion Ratio Lower Upper

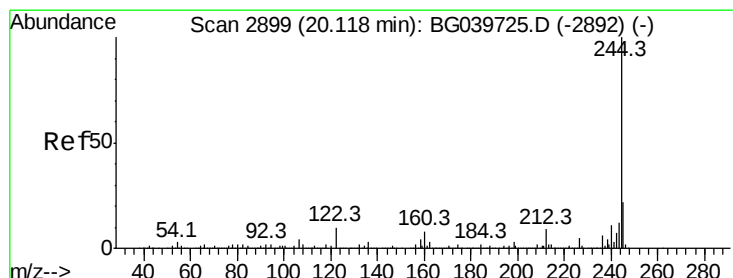
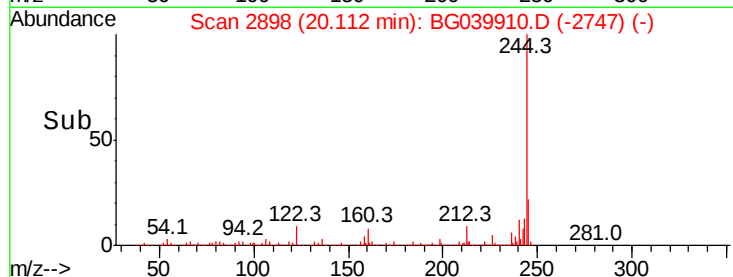
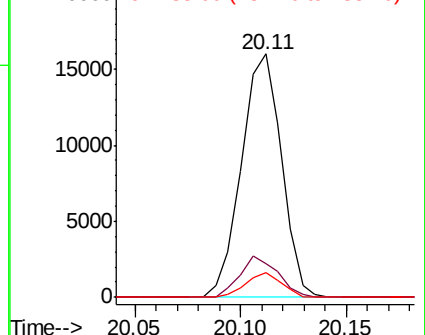
184 100

185 13.7 12.2 18.2

183 10.1 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: 83.191 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039910.D

Acq: 13 Mar 2019 20:03

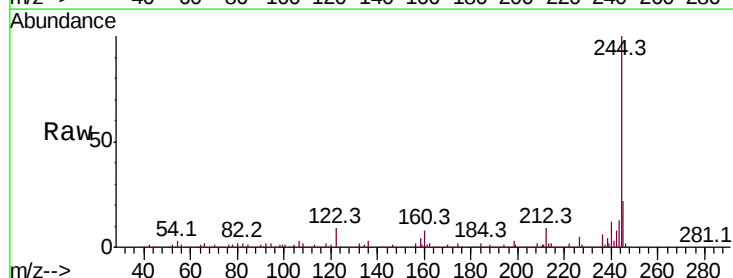
Tgt Ion:244 Resp: 1183427

Ion Ratio Lower Upper

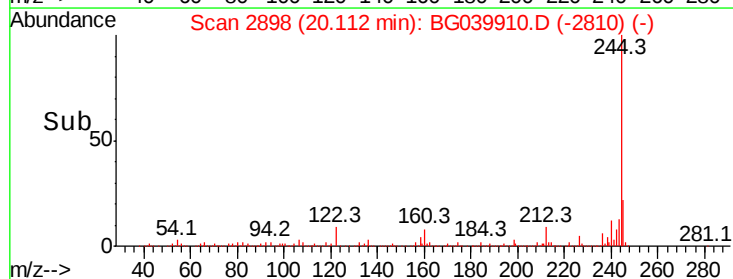
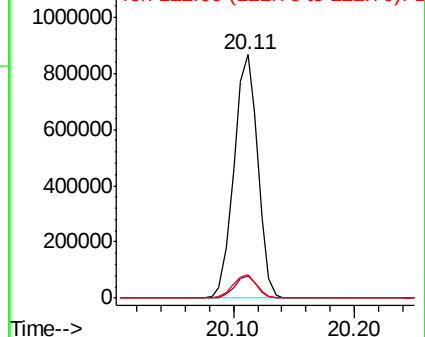
244 100

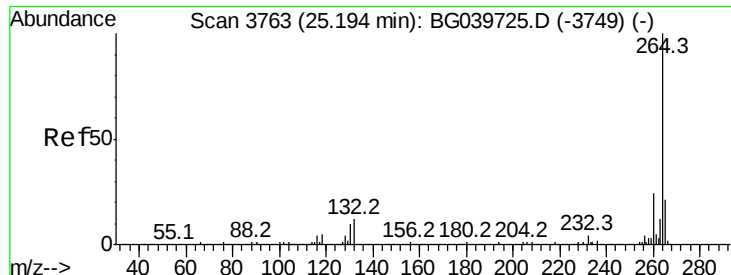
212 9.3 7.3 10.9

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

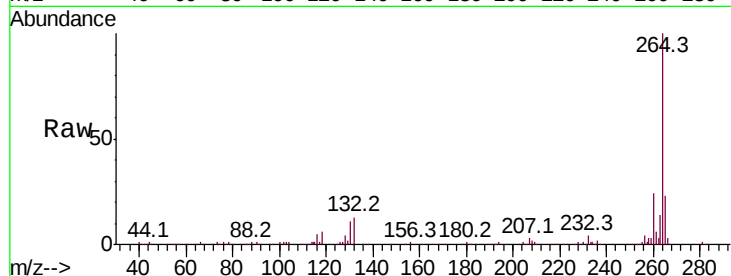




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3758
 Delta R.T. -0.04 min
 Lab File: BG039910.D
 Acq: 13 Mar 2019 20:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	313181
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.8	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

