

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040041.D
 Acq On : 20 Mar 2019 18:23
 Operator : JU/SJ
 Sample : PB118042BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:29:00 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

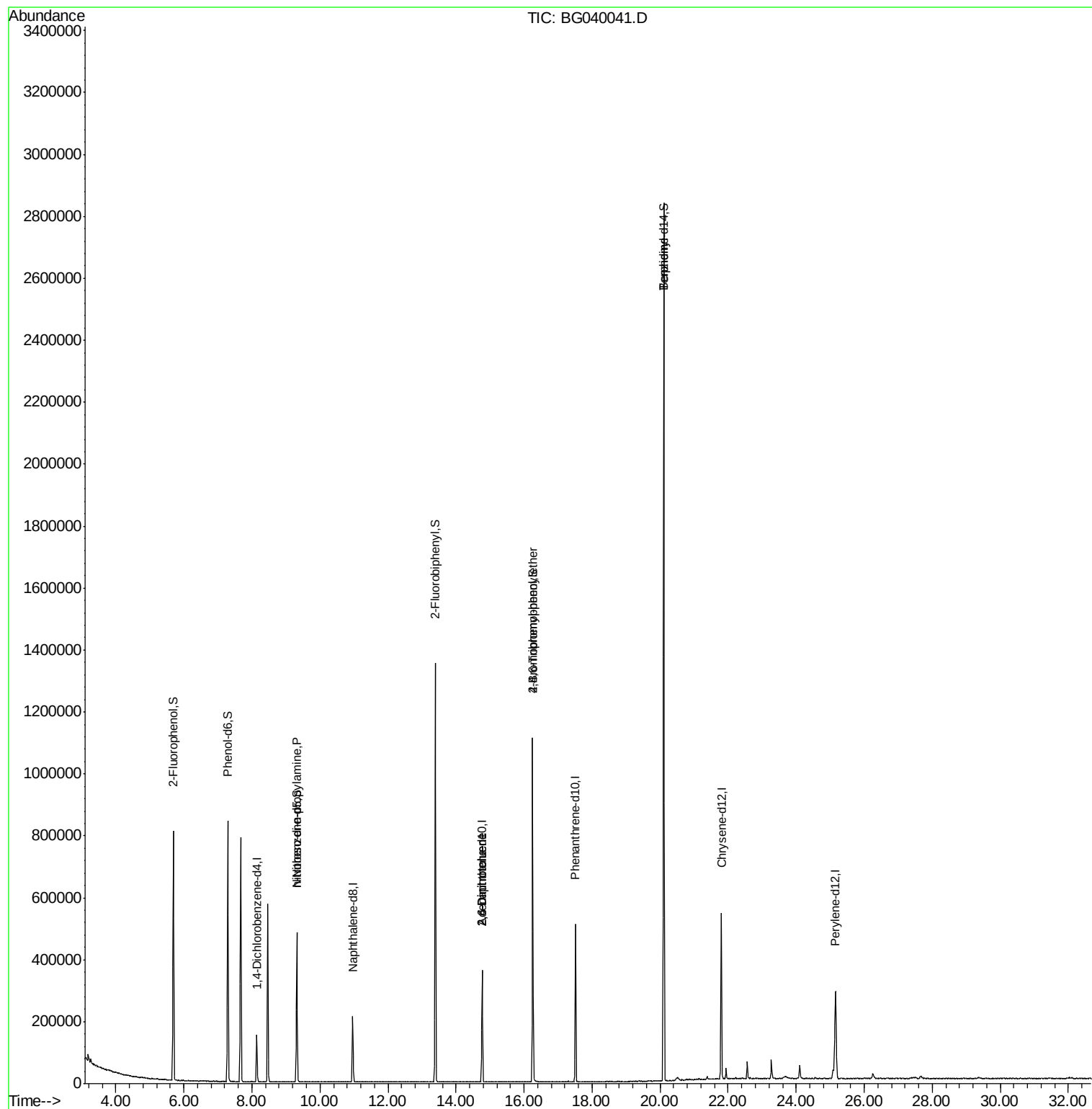
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41175	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	180786	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123513	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	319037	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	340965	20.00	ng	-0.03
87) Perylene-d12	25.15	264	331889	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	339275	140.57	ng	-0.02
7) Phenol-d6	7.29	99	485903	135.02	ng	-0.02
23) Nitrobenzene-d5	9.32	82	291734	87.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	195106	135.52	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	735340	84.77	ng	-0.02
79) Terphenyl-d14	20.11	244	1292500	83.46	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	38652	14.922	ng	# 68
51) 2,6-Dinitrotoluene	14.77	165	16102	7.354	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	16102	5.234	ng	# 19
67) 4-Bromophenyl-phenylether	16.25	248	14925	4.179	ng	# 1
77) Benzidine	20.11	184	22791	2.106	ng	# 90

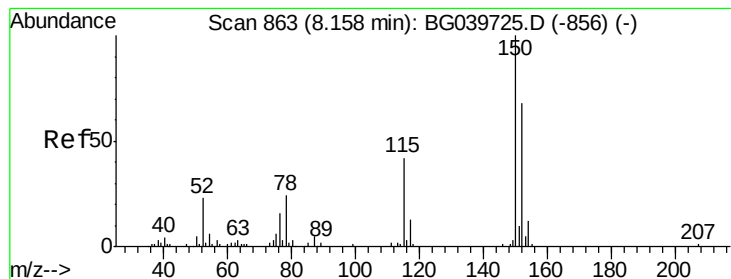
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

Instrument :

BNA_G

ClientSampleId :

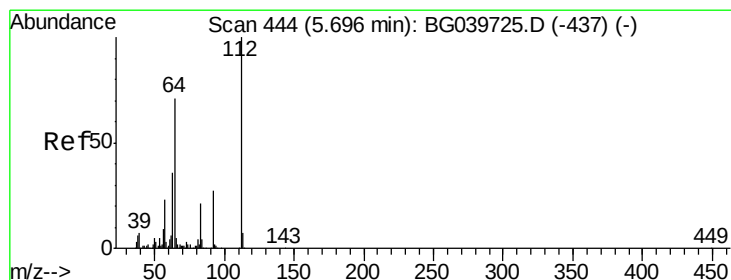
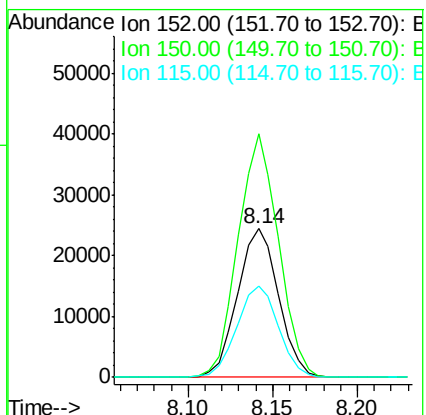
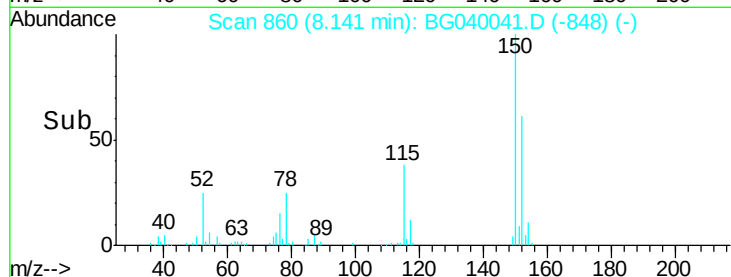
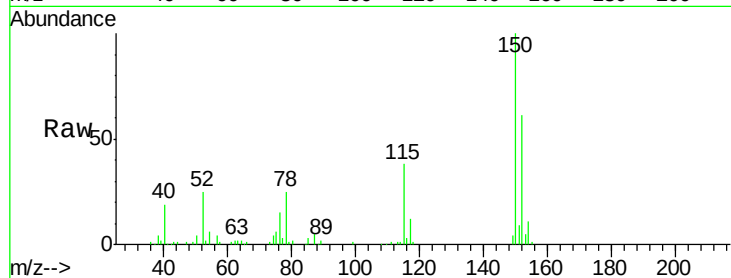
Tot Ion:152 Resp: 41175

Ion Ratio Lower Upper

152 100

150 164.2 123.7 185.5

115 61.8 45.9 68.9



#5

2-Fluorophenol

Concen: 140.572 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

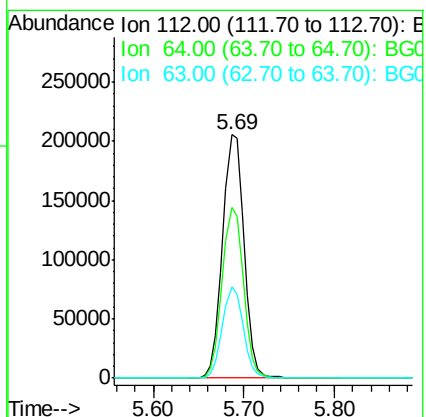
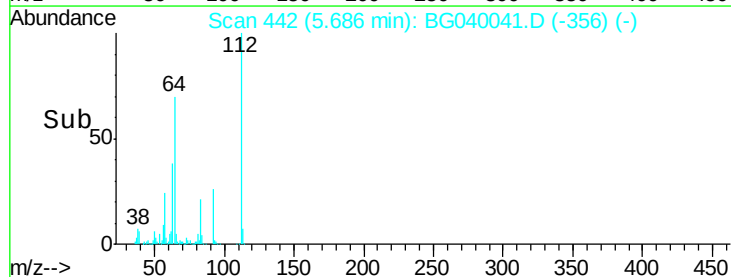
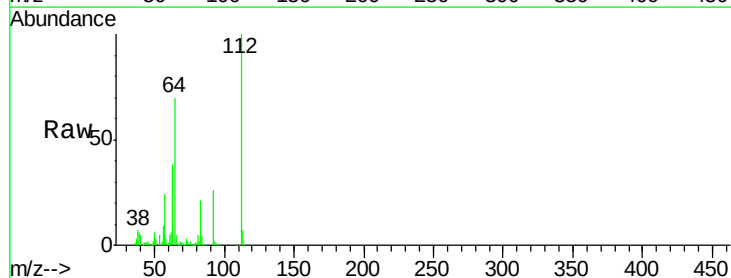
Tgt Ion:112 Resp: 339275

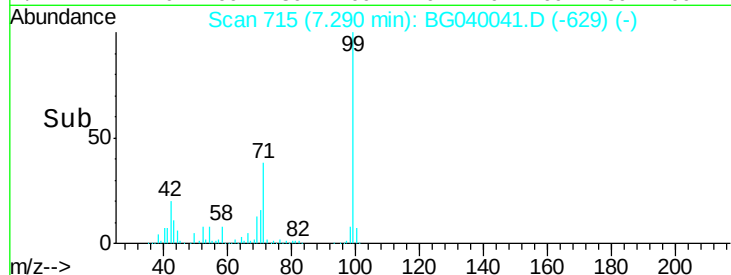
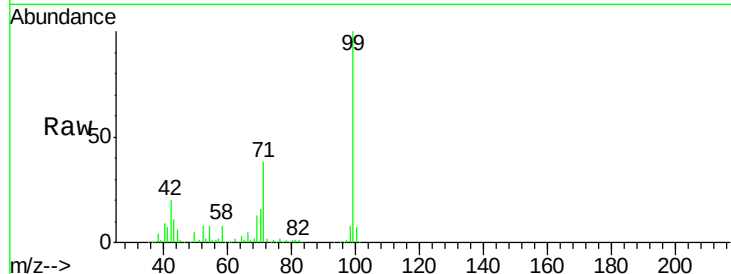
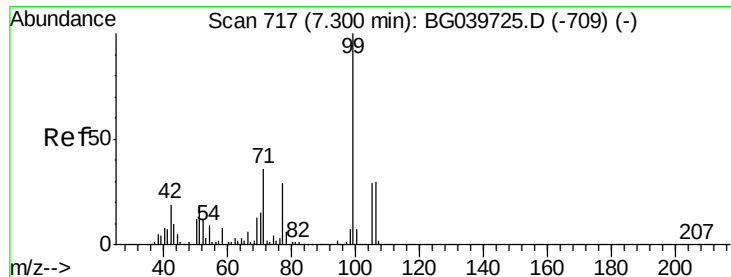
Ion Ratio Lower Upper

112 100

64 69.9 57.8 86.8

63 37.7 29.8 44.6





#7

Phenol-d6

Concen: 135.021 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

Instrument :

BNA_G

ClientSampleId :

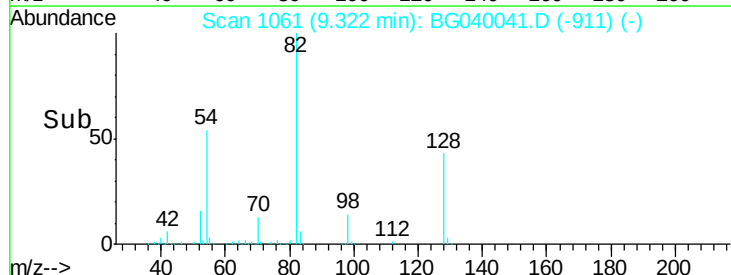
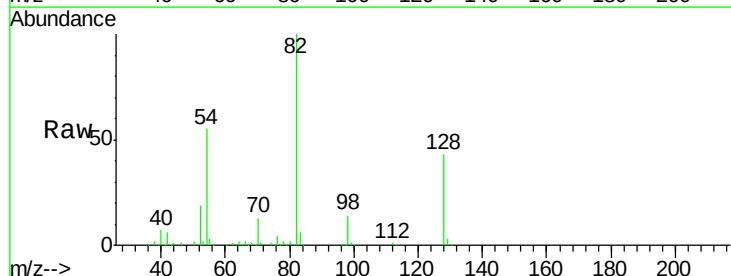
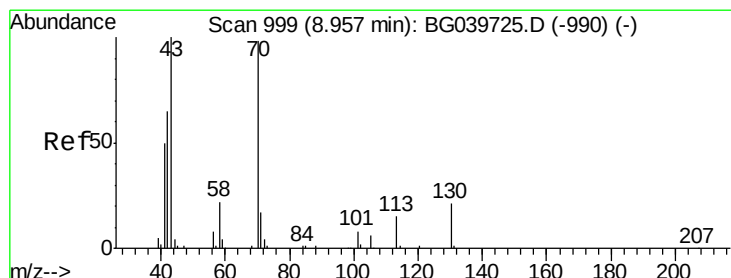
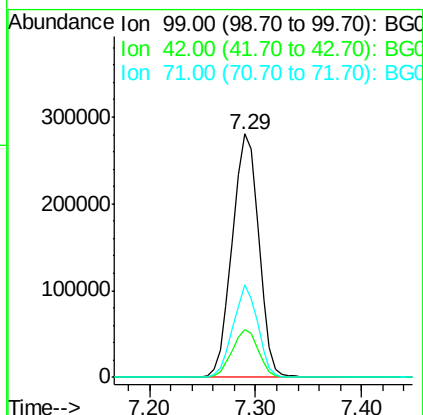
Tot Ion: 99 Resp: 485903

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

71 38.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.922 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

Tgt Ion: 70 Resp: 38652

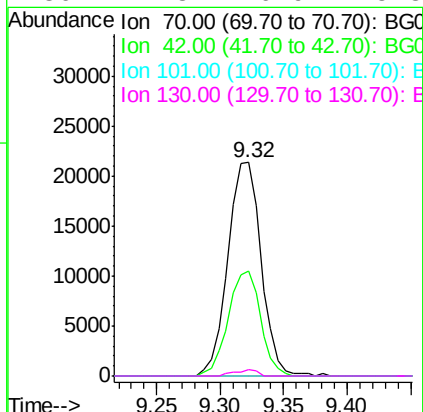
Ion Ratio Lower Upper

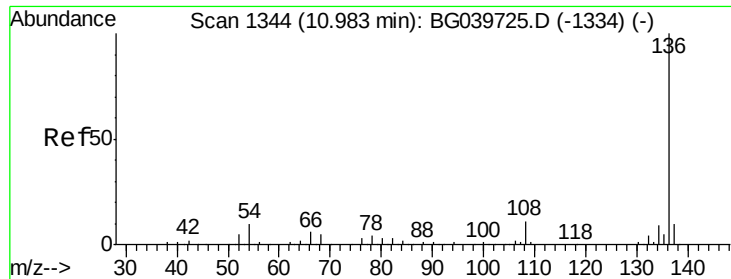
70 100

42 49.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.8 16.9 25.3#

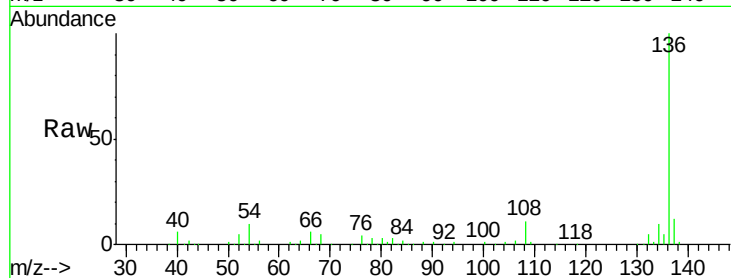




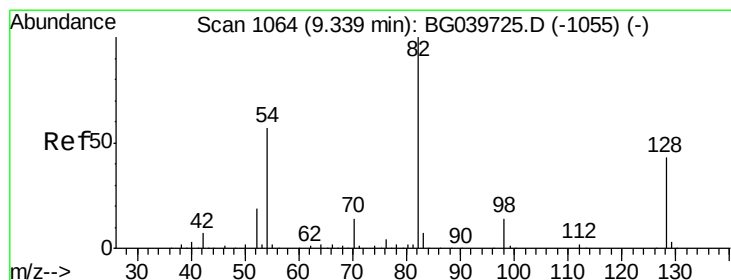
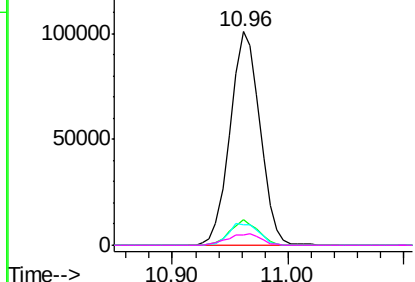
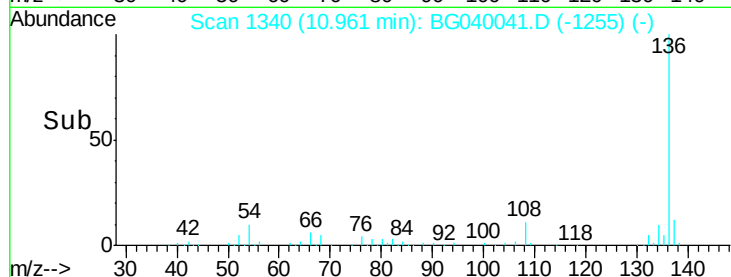
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040041.D
Acq: 20 Mar 2019 18:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	180786
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.1 13.7
54	9.5	9.4 14.2
68	5.0	4.2 6.4

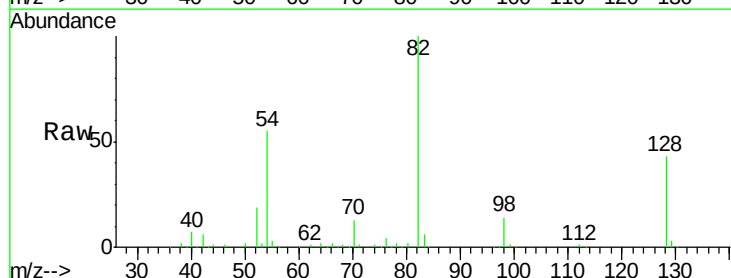


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

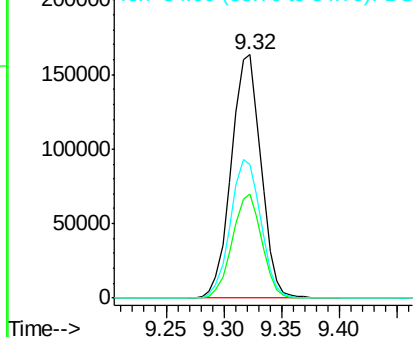
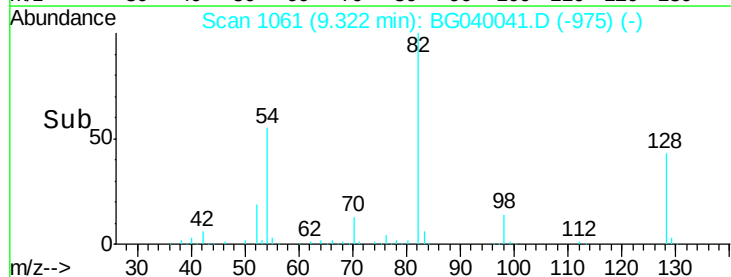


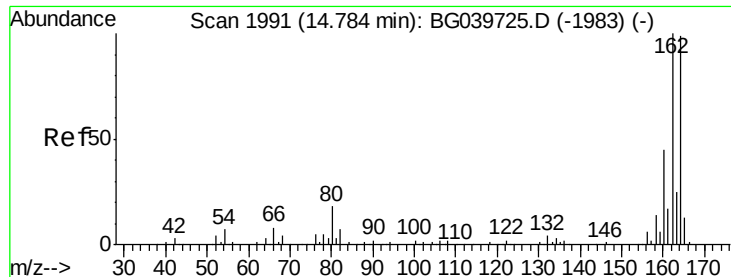
#23
Nitrobenzene-d5
Concen: 87.275 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040041.D
Acq: 20 Mar 2019 18:23

Tgt Ion: 82	Resp:	291734
Ion	Ratio	Lower Upper
82	100	
128	42.6	31.3 46.9
54	55.1	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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

Instrument :

BNA_G

ClientSampleId :

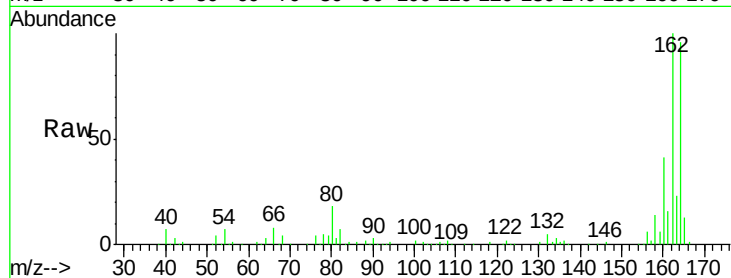
Tot Ion:164 Resp: 123513

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

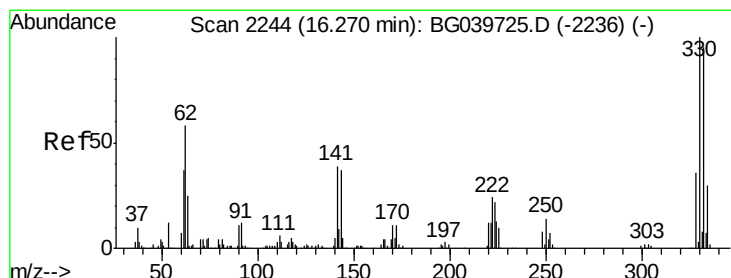
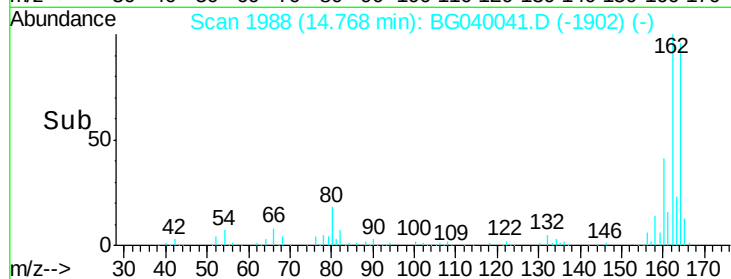
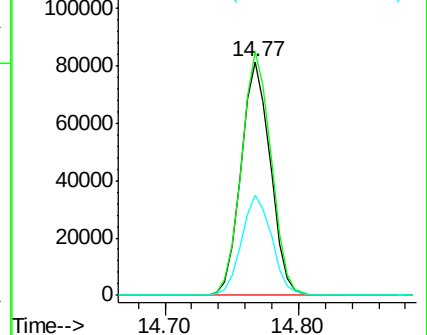
160 42.9 34.2 51.2



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: 135.525 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

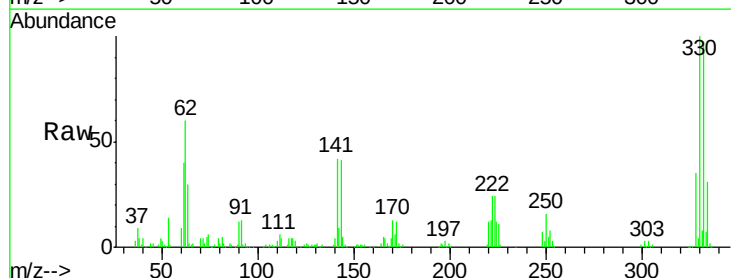
Tgt Ion:330 Resp: 195106

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

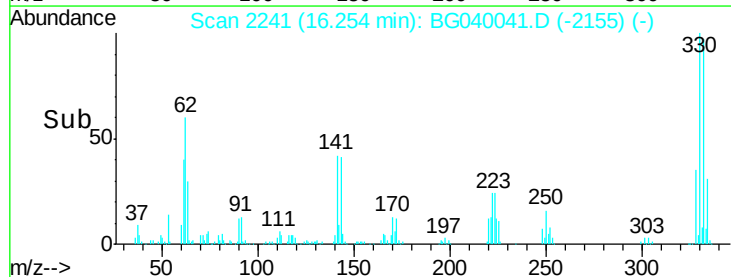
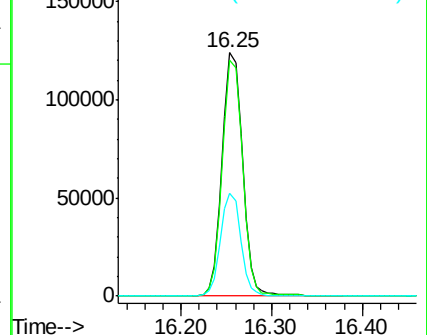
141 41.8 35.6 53.4

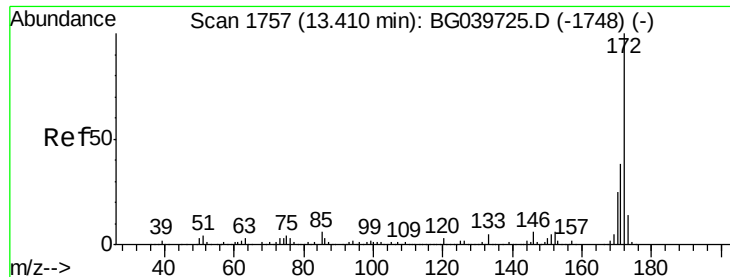


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

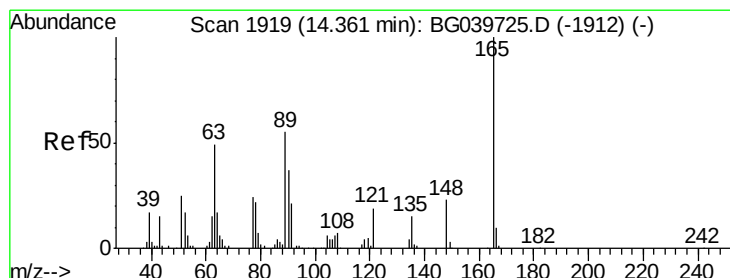
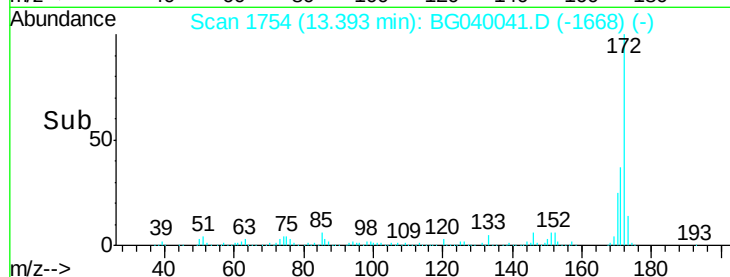
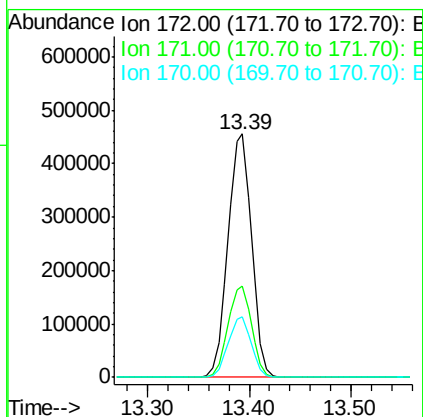
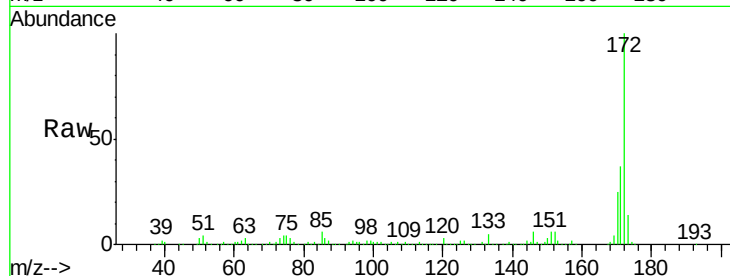




#45
 2-Fluorobiphenyl
 Concen: 84.768 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

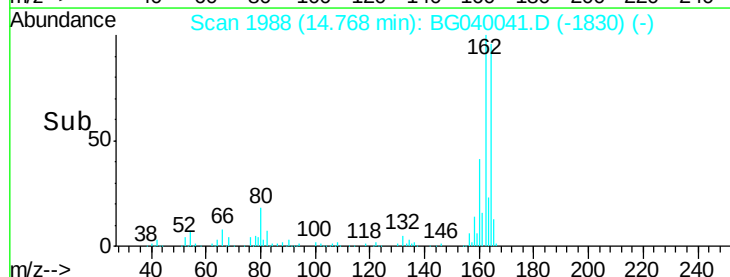
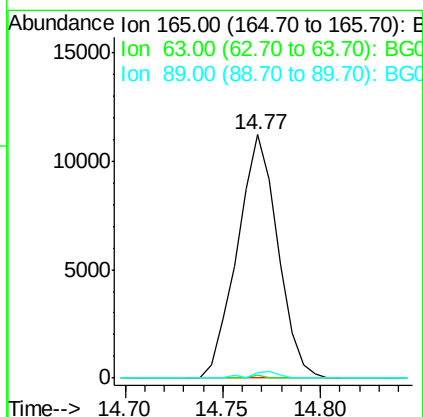
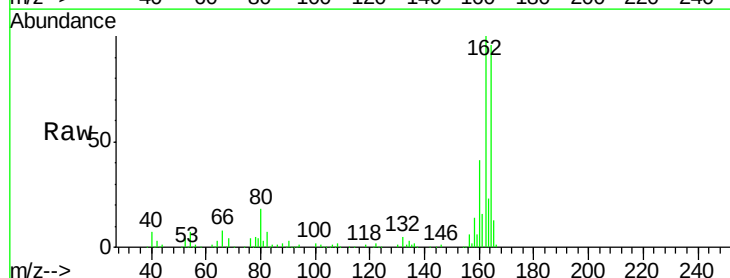
Instrument :
 BNA_G
 ClientSampleId :

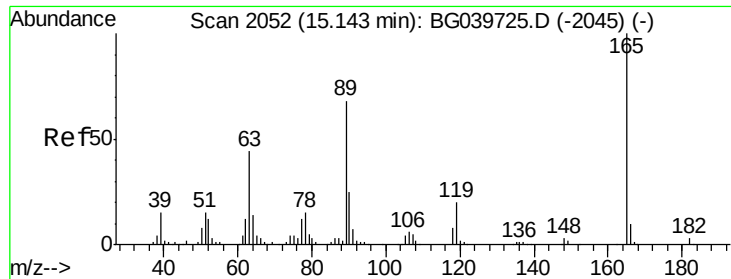
Tot Ion:172 Resp: 735340
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 24.9 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.354 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

Tgt Ion:165 Resp: 16102
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.0 70.6#
 89 2.1 45.8 68.8#

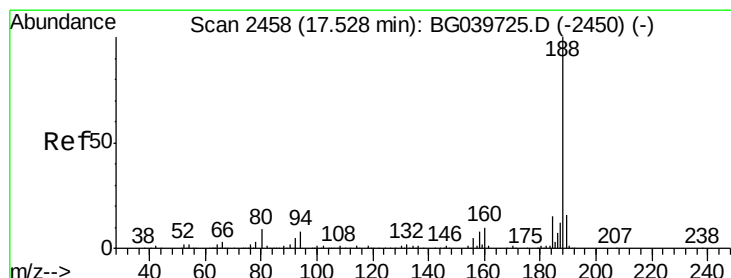
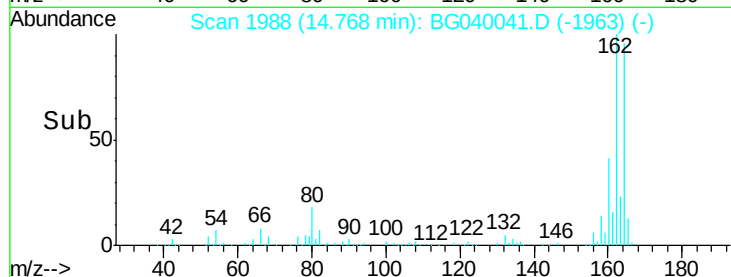
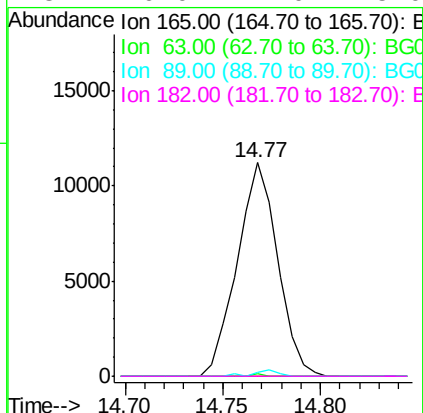
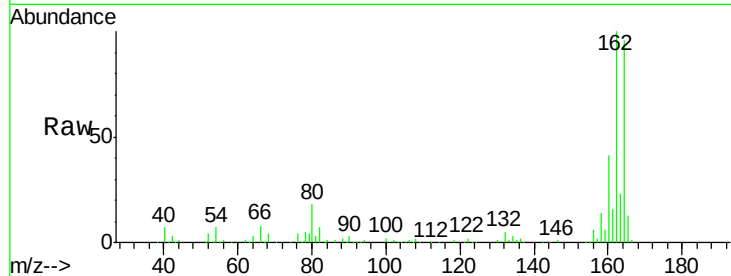




#57
 2,4-Dinitrotoluene
 Concen: 5.234 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

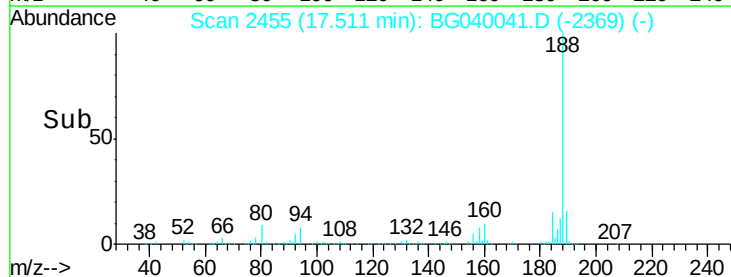
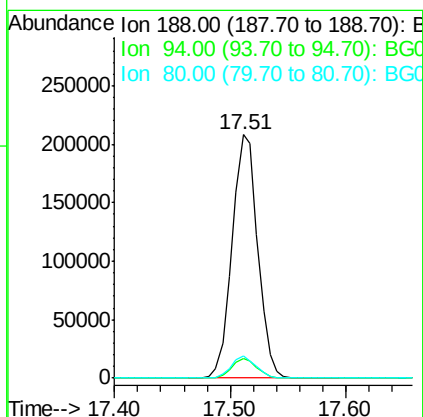
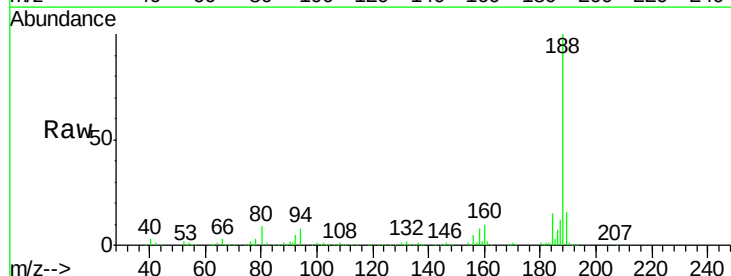
Instrument :
 BNA_G
 ClientSampleId :

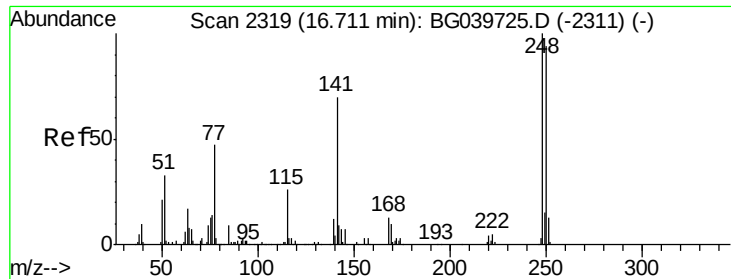
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.0	8.1	12.1

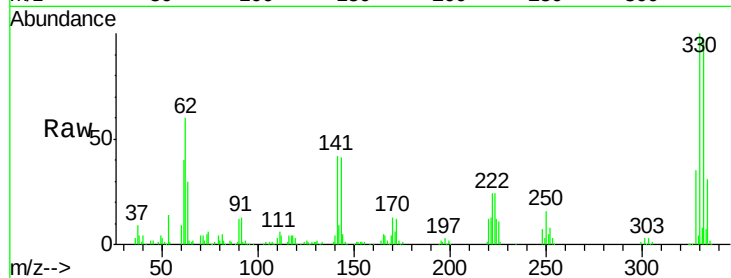




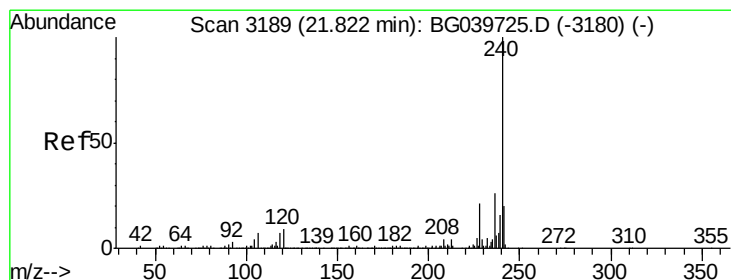
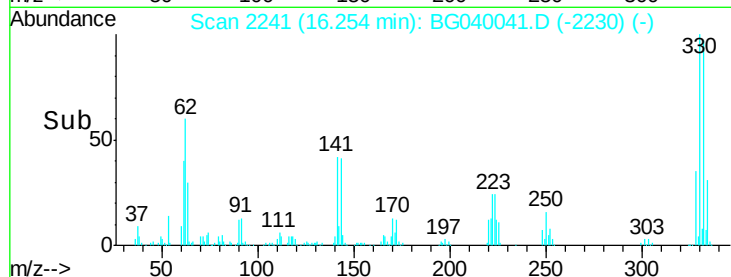
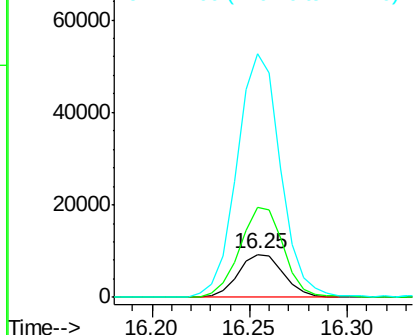
#67
 4-Bromophenyl-phenylether
 Concen: 4.179 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14925
 Ion Ratio Lower Upper
 248 100
 250 210.7 77.6 116.4#
 141 567.6 63.9 95.9#

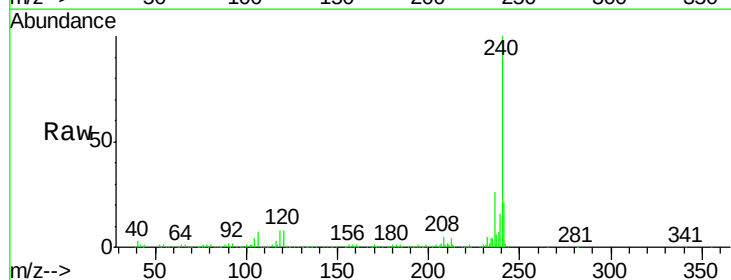


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

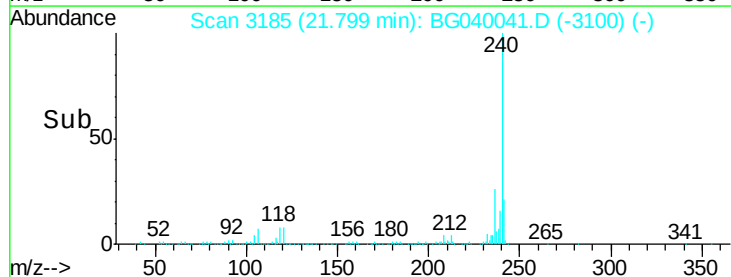
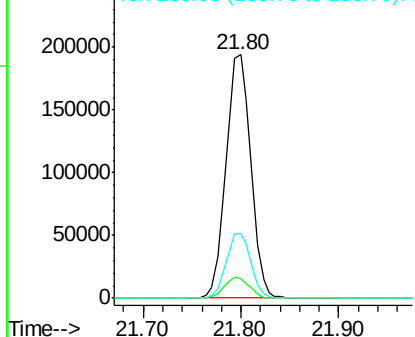


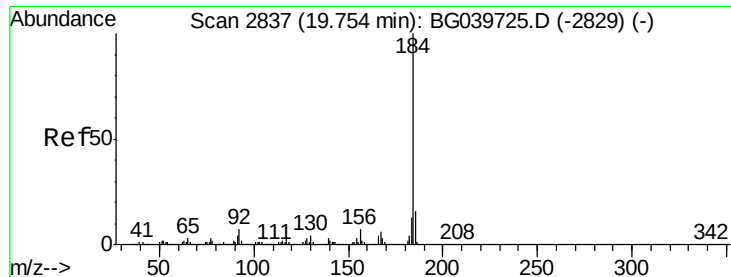
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040041.D
 Acq: 20 Mar 2019 18:23

Tgt Ion:240 Resp: 340965
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.0 10.6
 236 26.4 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: 2.106 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

Instrument :

BNA_G

ClientSampleId :

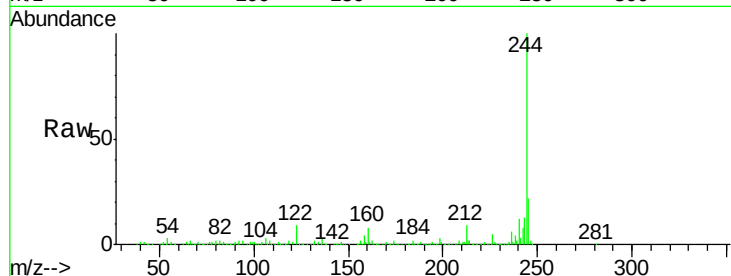
Tot Ion:184 Resp: 22791

Ion Ratio Lower Upper

184 100

185 19.6 12.2 18.2#

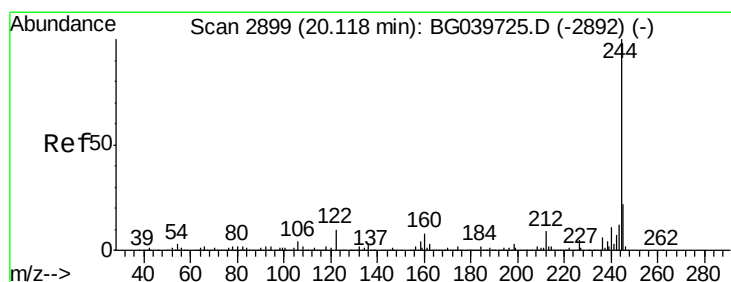
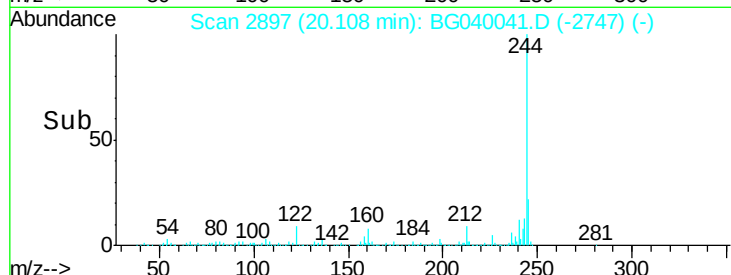
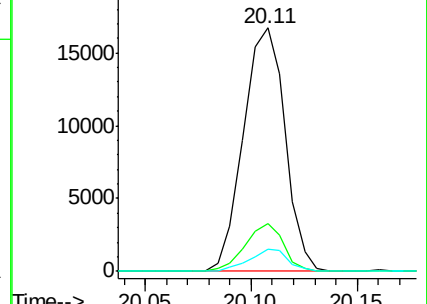
183 9.3 10.6 15.8#



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: 83.464 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040041.D

Acq: 20 Mar 2019 18:23

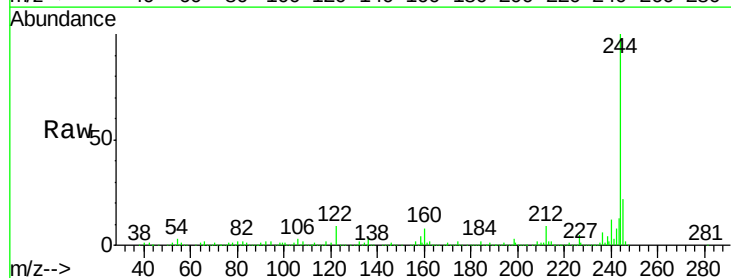
Tgt Ion:244 Resp: 1292500

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

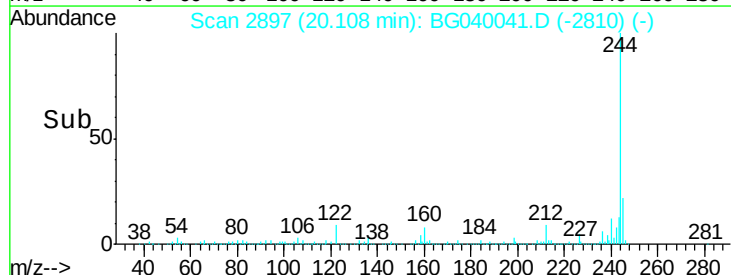
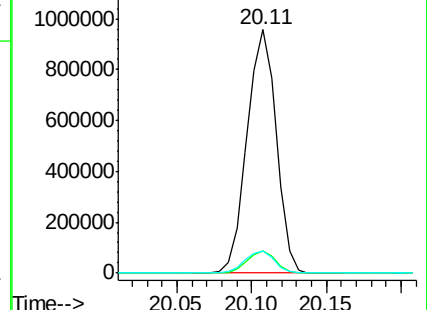
122 9.3 8.4 12.6

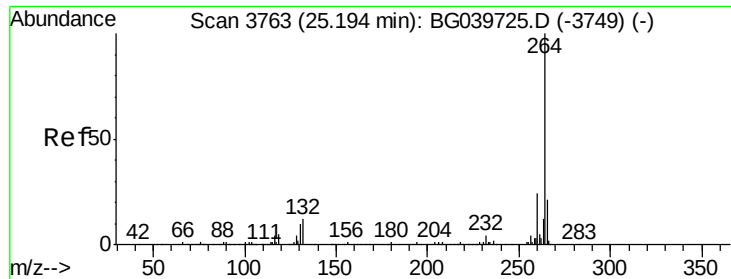


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040041.D
Acq: 20 Mar 2019 18:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.8	18.5	27.7

