

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040053.D
 Acq On : 21 Mar 2019 2:27
 Operator : JU/SJ
 Sample : K1941-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:31:02 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

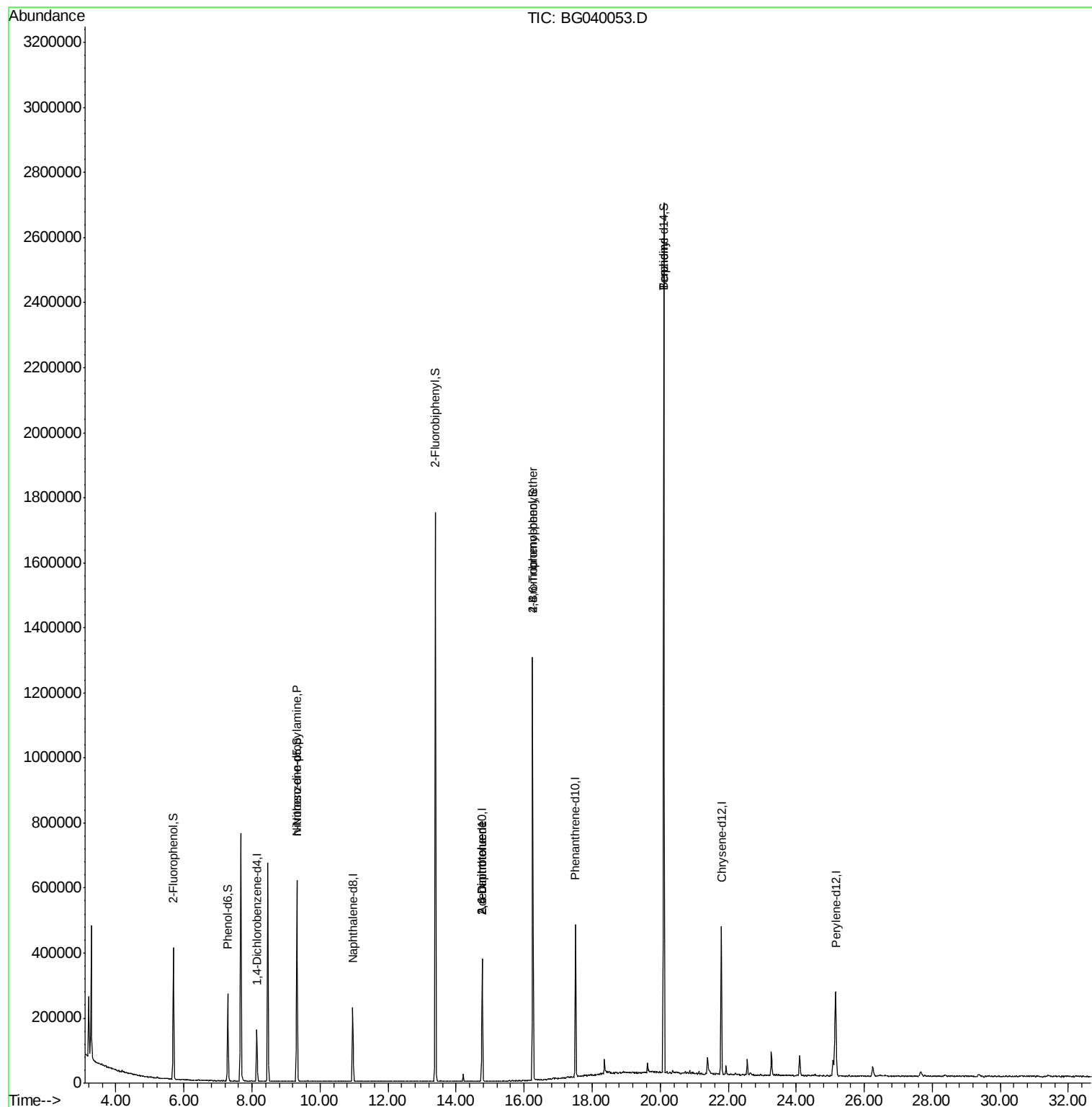
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43812	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	195836	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	130763	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	296289	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	277583	20.00	ng	-0.03
87) Perylene-d12	25.15	264	287776	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	169492	66.00	ng	-0.02
7) Phenol-d6	7.29	99	153692	40.14	ng	-0.02
23) Nitrobenzene-d5	9.32	82	365907	101.05	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	231722	152.03	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	912672	99.38	ng	-0.02
79) Terphenyl-d14	20.11	244	1180195	93.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	48455	17.581	ng	# 65
51) 2,6-Dinitrotoluene	14.77	165	17150	7.399	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	17150	5.265	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	18058	5.445	ng	# 1
77) Benzidine	20.11	184	22090	2.508	ng	# 95

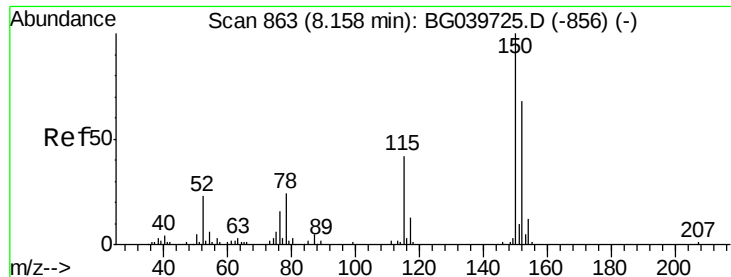
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 21 09:31:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

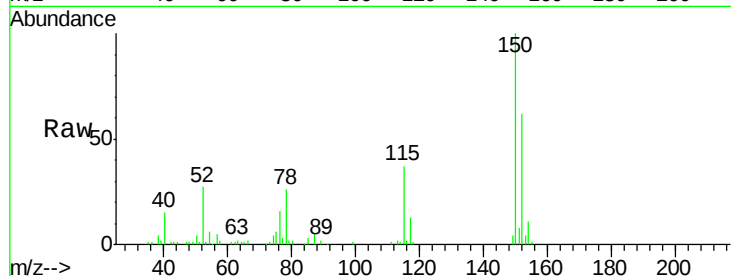
Tot Ion:152 Resp: 43812

Ion Ratio Lower Upper

152 100

150 162.2 123.7 185.5

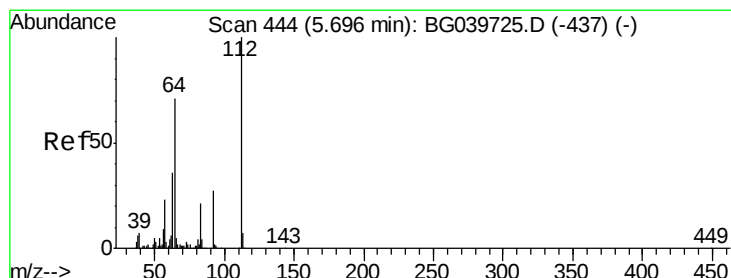
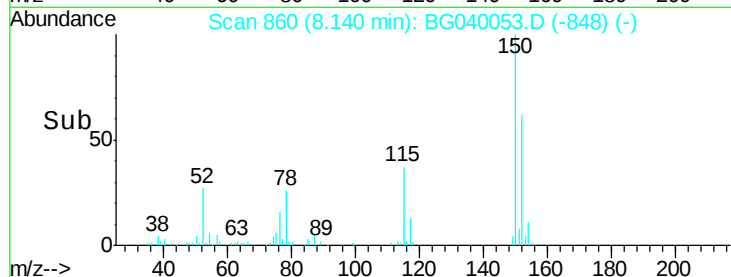
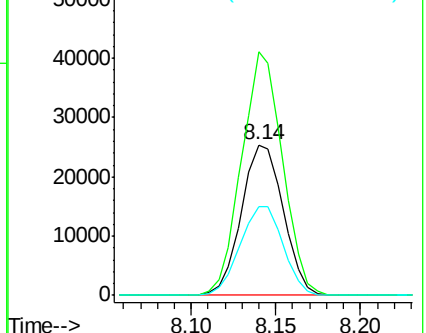
115 59.3 45.9 68.9



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: 65.999 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

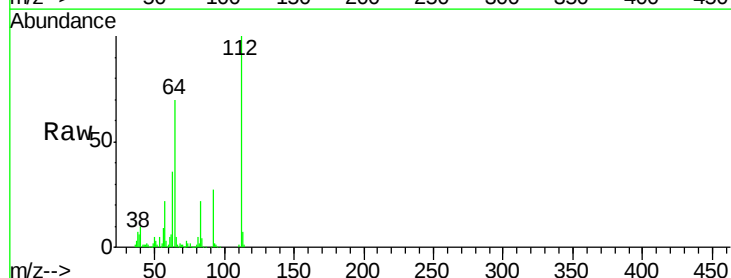
Tgt Ion:112 Resp: 169492

Ion Ratio Lower Upper

112 100

64 69.7 57.8 86.8

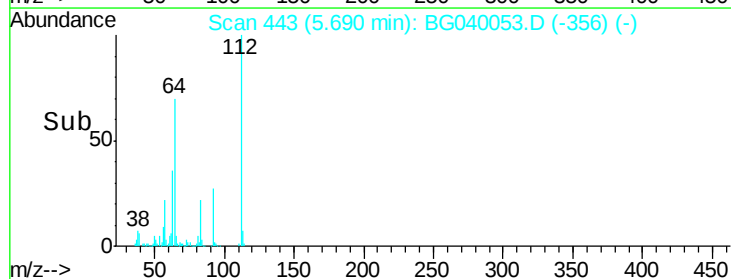
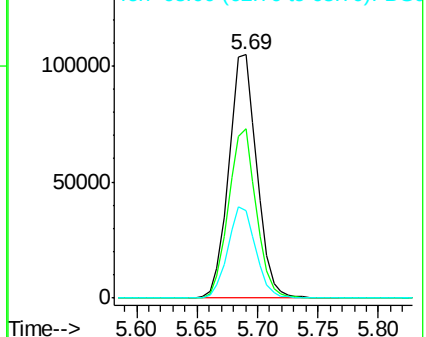
63 35.7 29.8 44.6

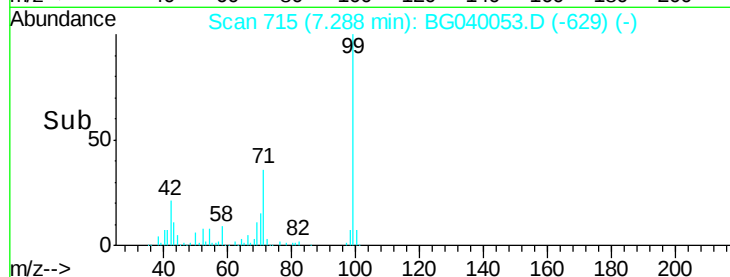
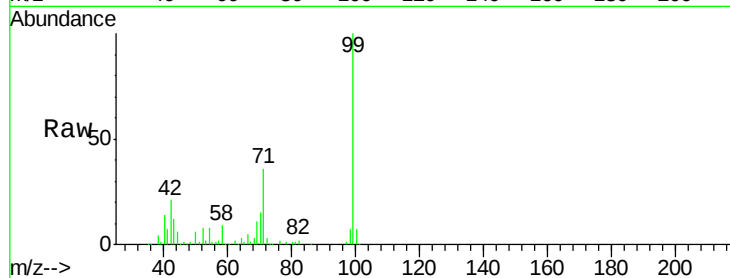
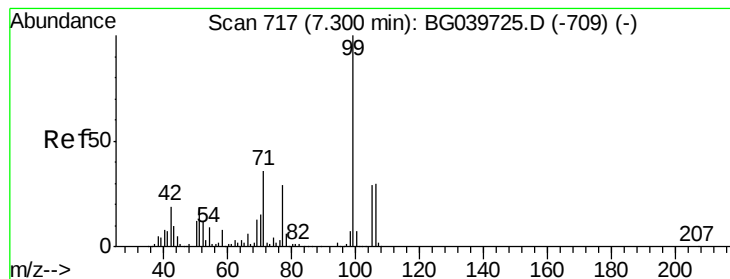


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 40.137 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

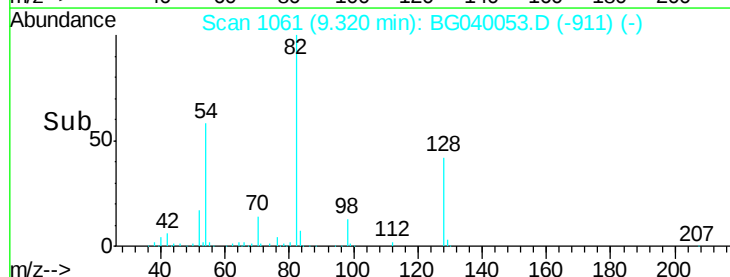
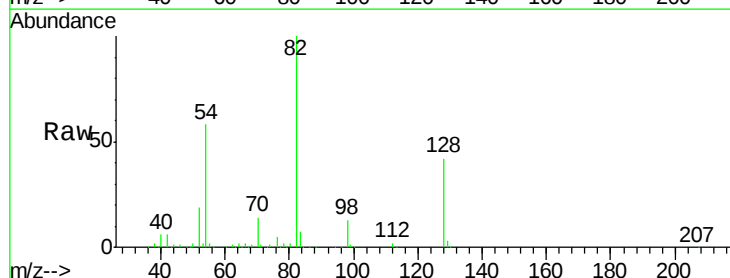
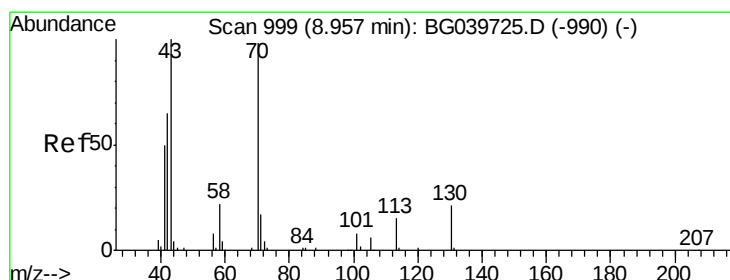
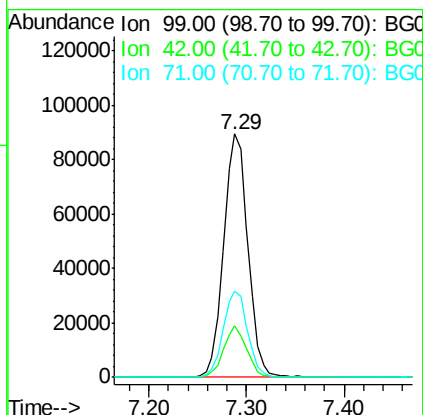
Tot Ion: 99 Resp: 153692

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.581 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

Tgt Ion: 70 Resp: 48455

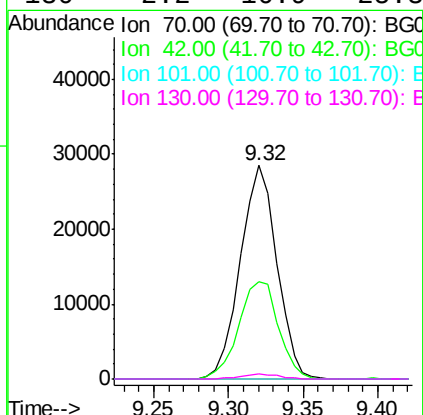
Ion Ratio Lower Upper

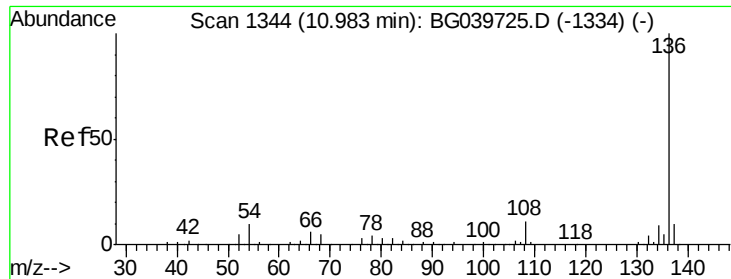
70 100

42 45.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

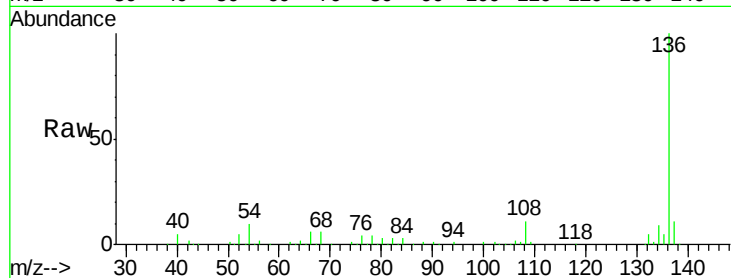




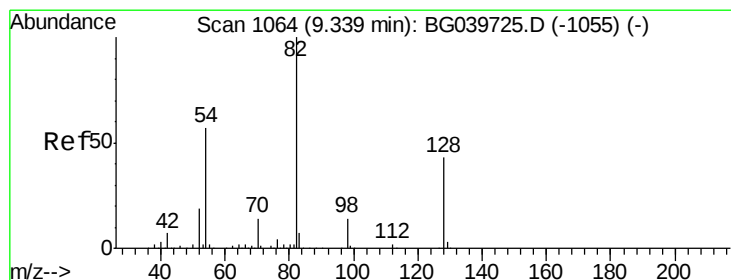
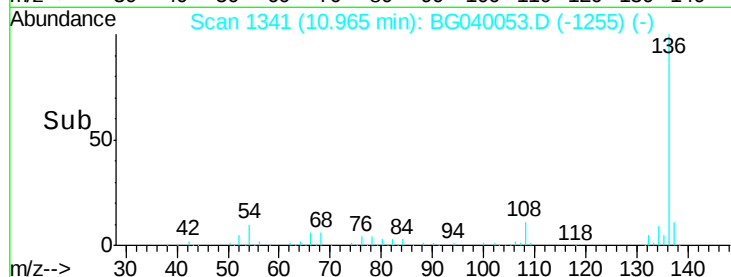
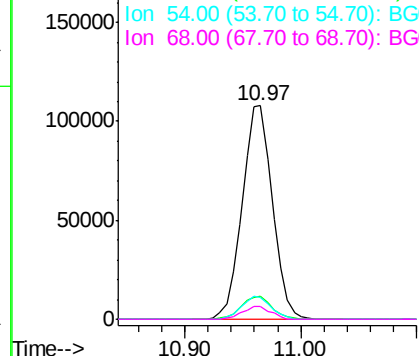
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040053.D
Acq: 21 Mar 2019 2:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	195836
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	10.2	9.4 14.2
68	5.8	4.2 6.4

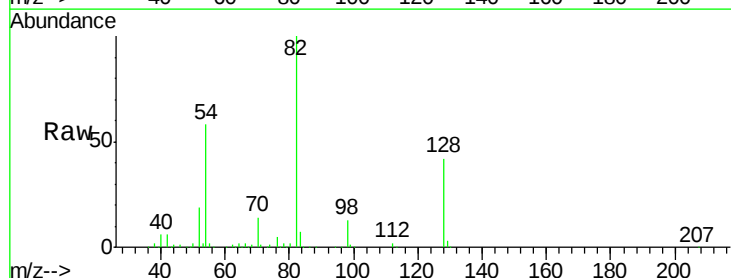


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

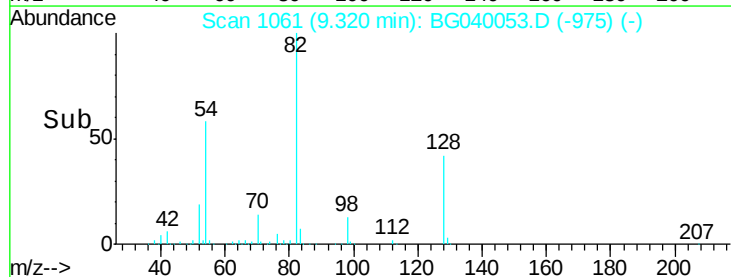
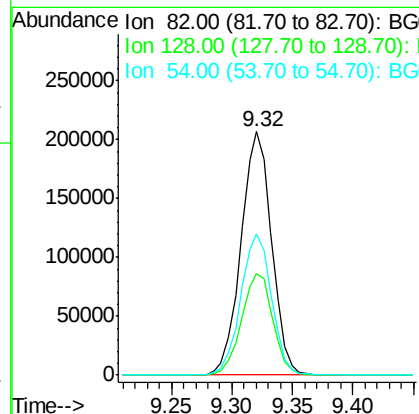


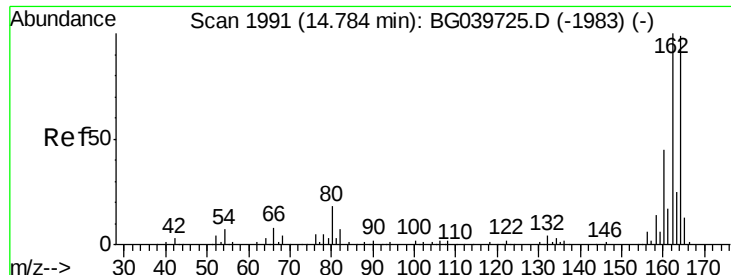
#23
Nitrobenzene-d5
Concen: 101.053 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040053.D
Acq: 21 Mar 2019 2:27

Tgt Ion: 82	Resp:	365907
Ion Ratio	Lower	Upper
82	100	
128	41.9	31.3 46.9
54	58.2	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: BG040053.D

Acq: 21 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

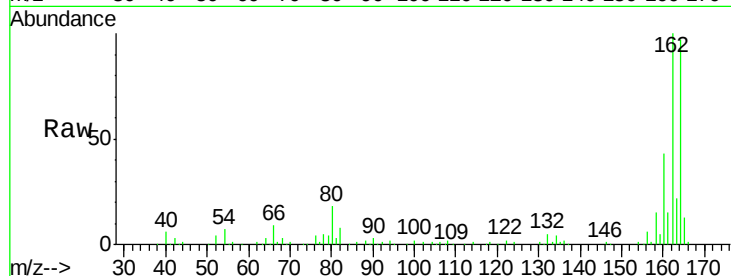
Tot Ion:164 Resp: 130763

Ion Ratio Lower Upper

164 100

162 103.2 81.6 122.4

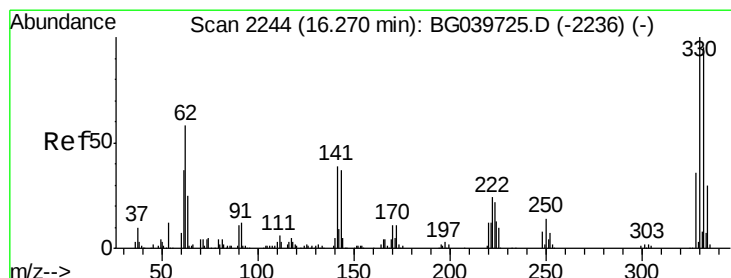
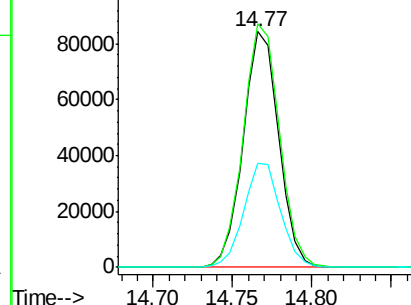
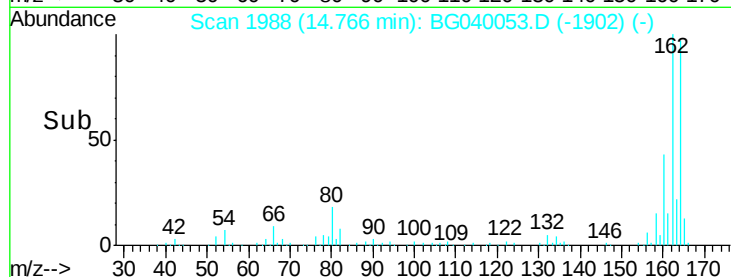
160 44.1 34.2 51.2



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: 152.035 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

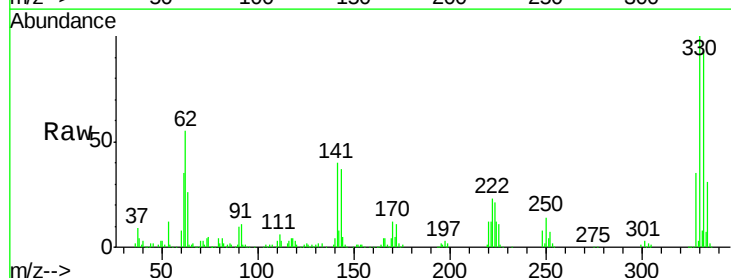
Tgt Ion:330 Resp: 231722

Ion Ratio Lower Upper

330 100

332 96.4 75.7 113.5

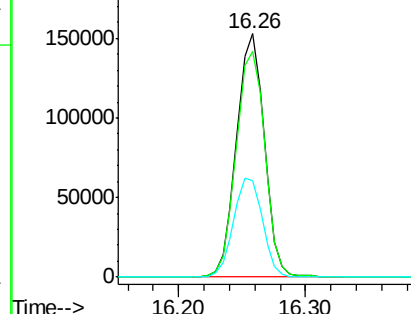
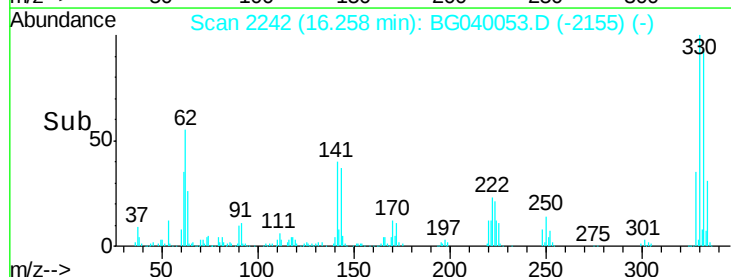
141 42.6 35.6 53.4

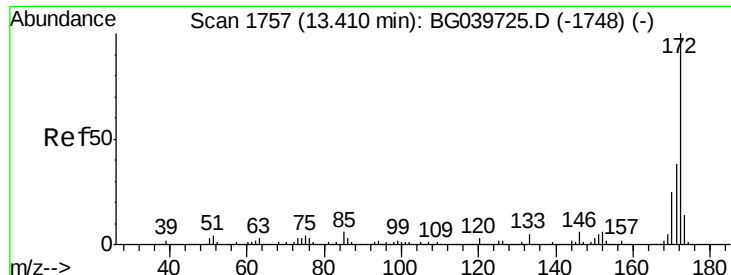


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

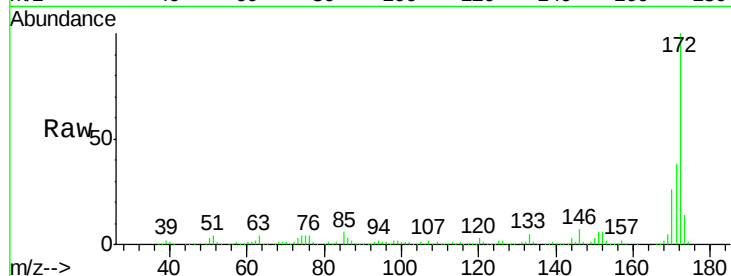




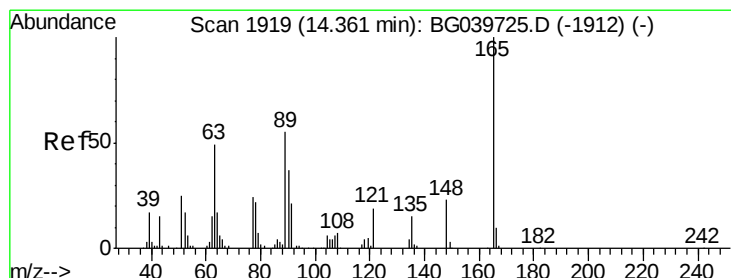
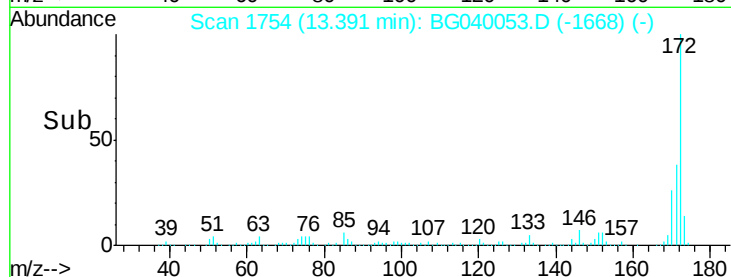
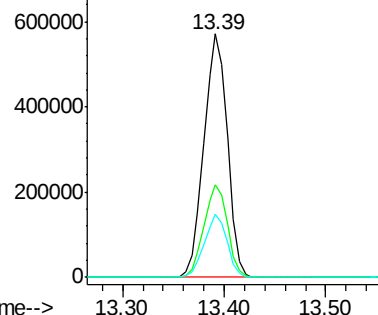
#45
 2-Fluorobiphenyl
 Concen: 99.377 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040053.D
 Acq: 21 Mar 2019 2:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 912672
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 26.1 20.2 30.4

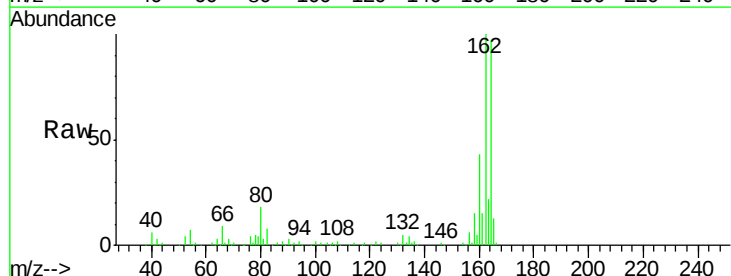


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

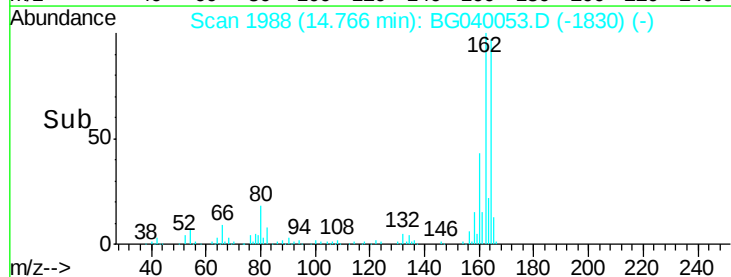
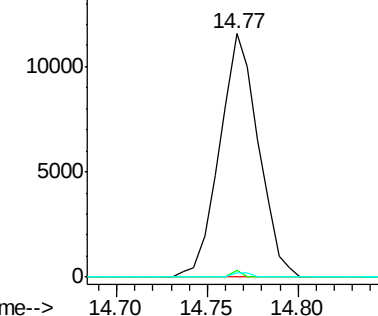


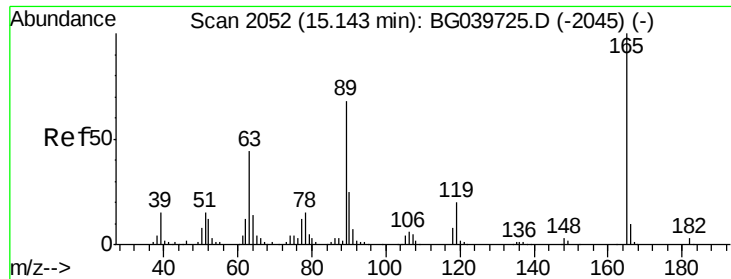
#51
 2,6-Dinitrotoluene
 Concen: 7.399 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040053.D
 Acq: 21 Mar 2019 2:27

Tgt Ion:165 Resp: 17150
 Ion Ratio Lower Upper
 165 100
 63 2.9 47.0 70.6#
 89 2.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

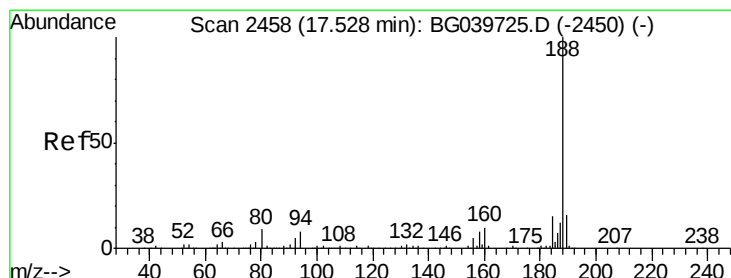
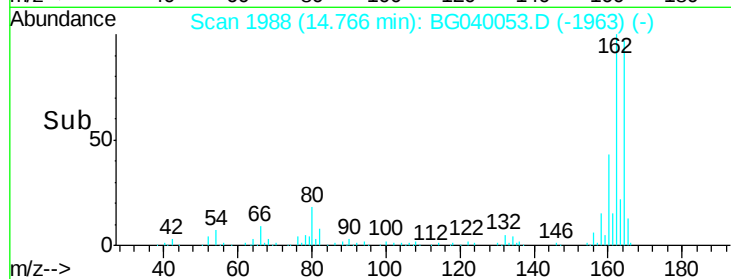
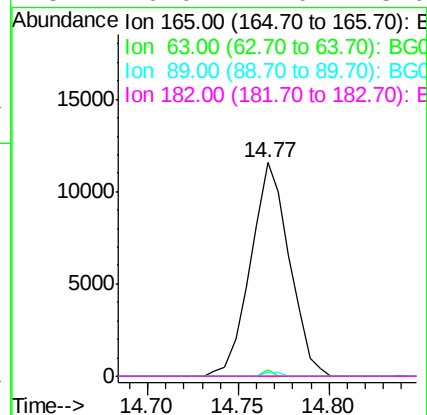
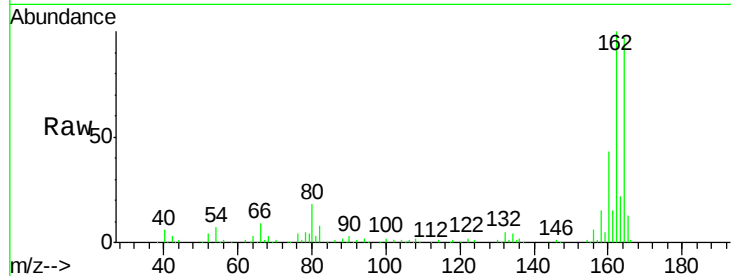




#57
 2,4-Dinitrotoluene
 Concen: 5.265 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040053.D
 Acq: 21 Mar 2019 2:27

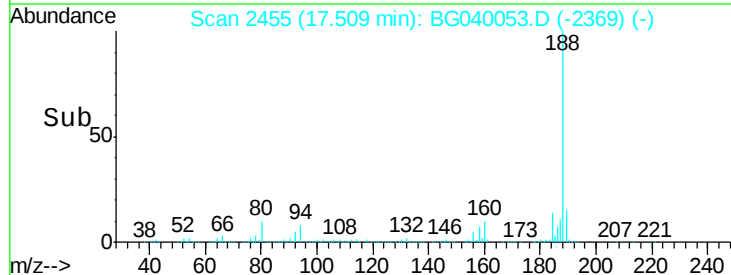
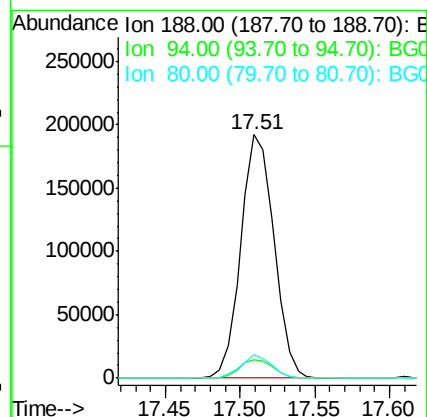
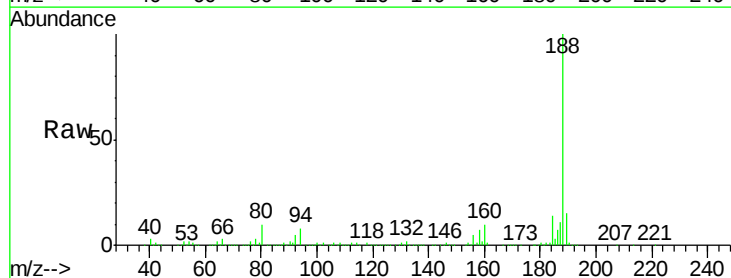
Instrument :
 BNA_G
 ClientSampleId :

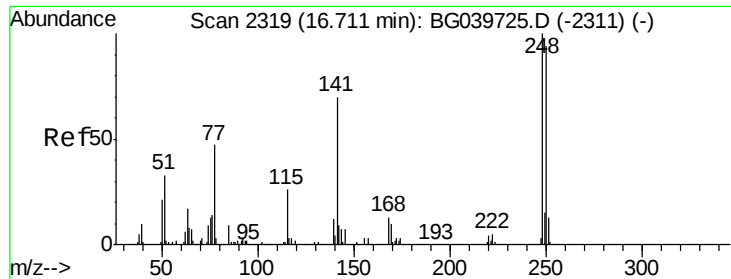
Tot Ion:165	Resp:	17150
Ion Ratio	Lower	Upper
165	100	
63	2.9	41.0 61.6#
89	2.0	64.6 96.8#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040053.D
 Acq: 21 Mar 2019 2:27

Tgt Ion:188	Resp:	296289
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.9 10.3
80	9.6	8.1 12.1

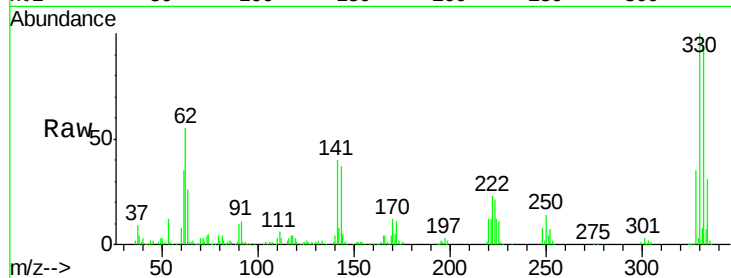




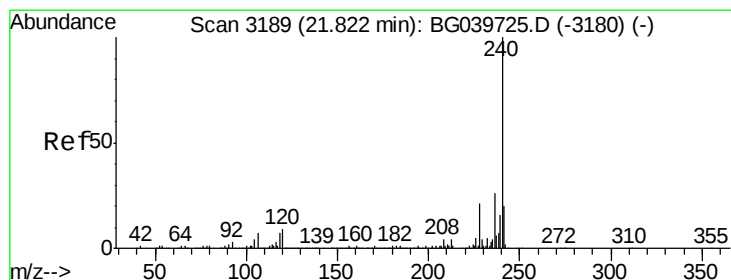
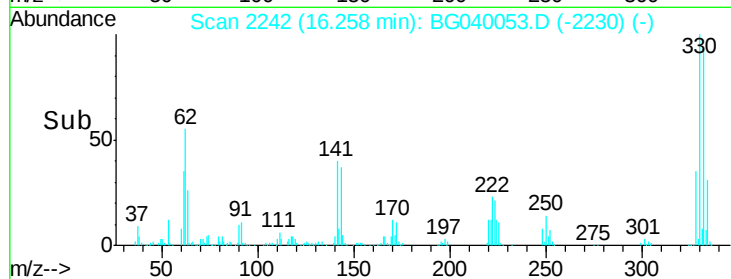
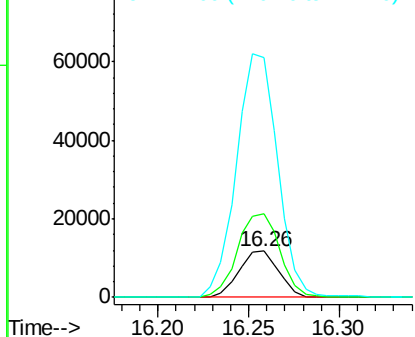
#67
4-Bromophenyl-phenylether
Concen: 5.445 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040053.D
Acq: 21 Mar 2019 2:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18058
Ion Ratio Lower Upper
248 100
250 182.5 77.6 116.4#
141 520.6 63.9 95.9#

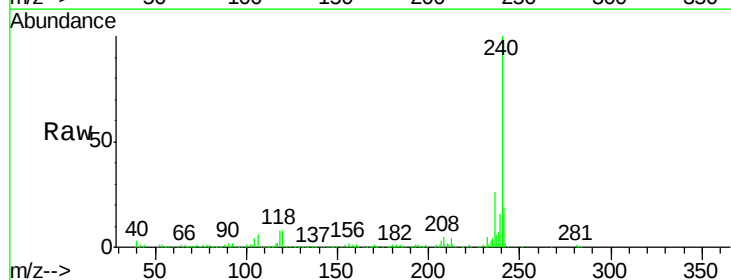


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

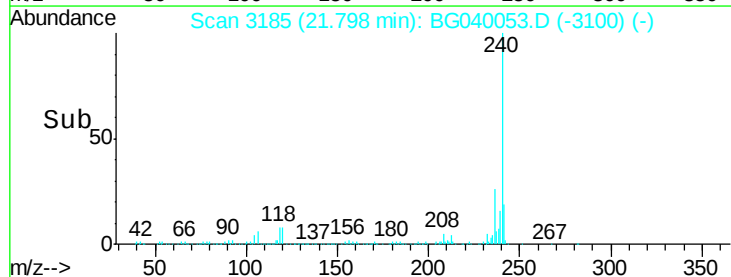
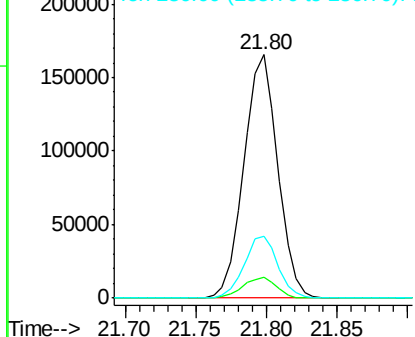


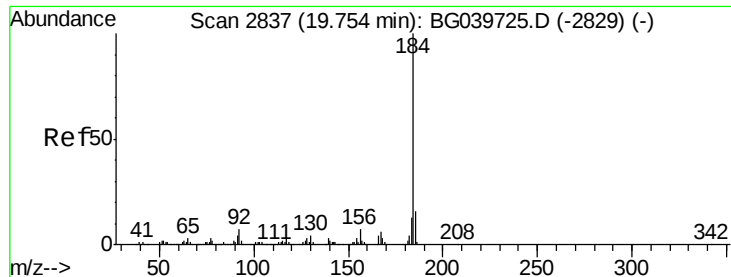
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040053.D
Acq: 21 Mar 2019 2:27

Tgt Ion:240 Resp: 277583
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.6 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: 2.508 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

Instrument :

BNA_G

ClientSampled :

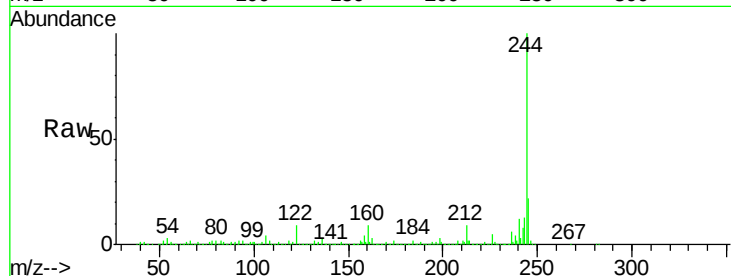
Tot Ion:184 Resp: 22090

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.2

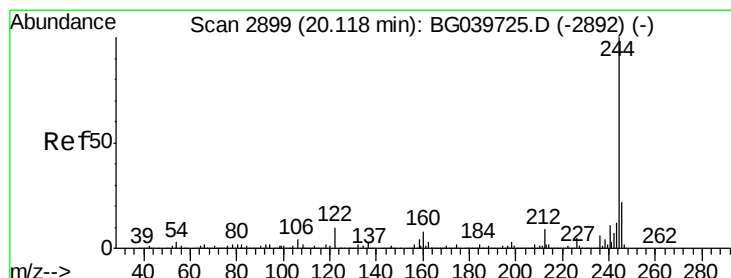
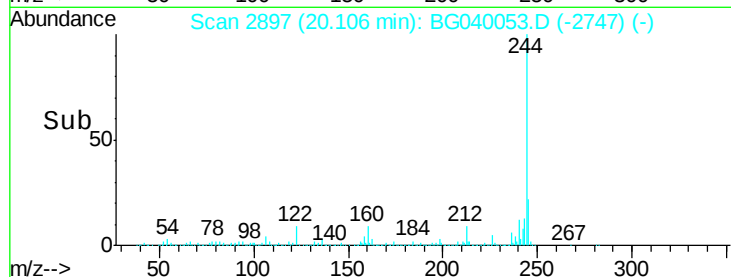
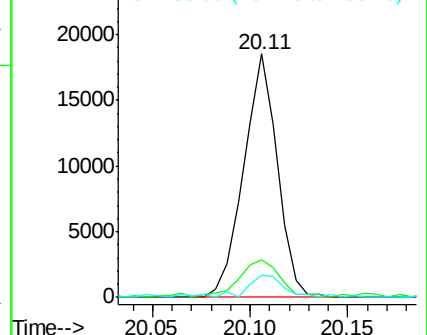
183 9.3 10.6 15.8#



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: 93.614 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040053.D

Acq: 21 Mar 2019 2:27

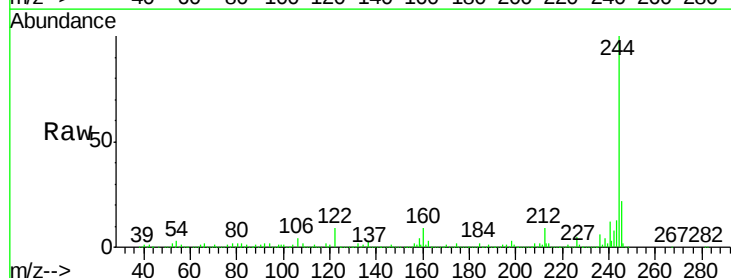
Tgt Ion:244 Resp: 1180195

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

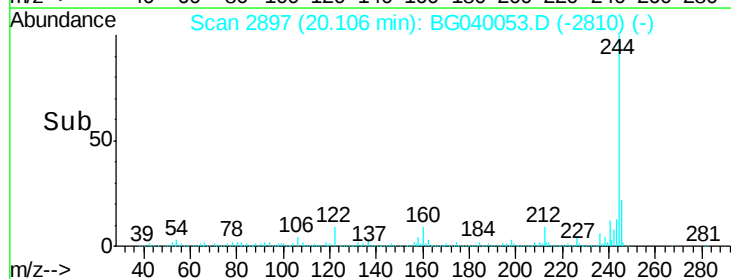
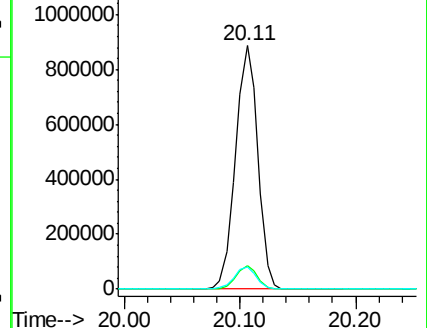
122 9.0 8.4 12.6

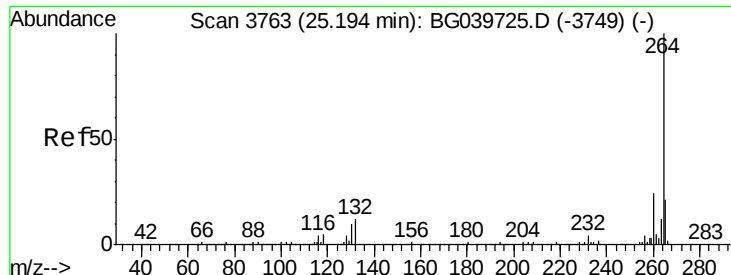


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

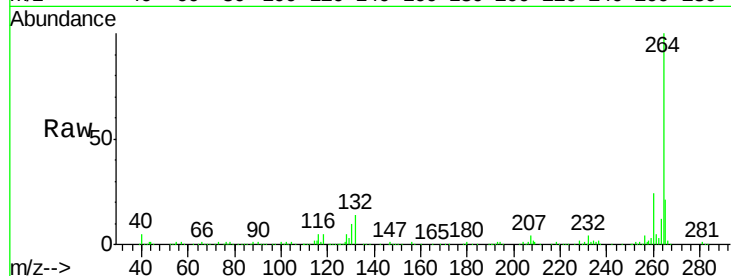




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.15 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040053.D
 Acq: 21 Mar 2019 2:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 287776
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.4
 265 20.8 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

