

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040105.D
 Acq On : 23 Mar 2019 6:53
 Operator : JU/SJ
 Sample : K2033-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 22:16:36 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

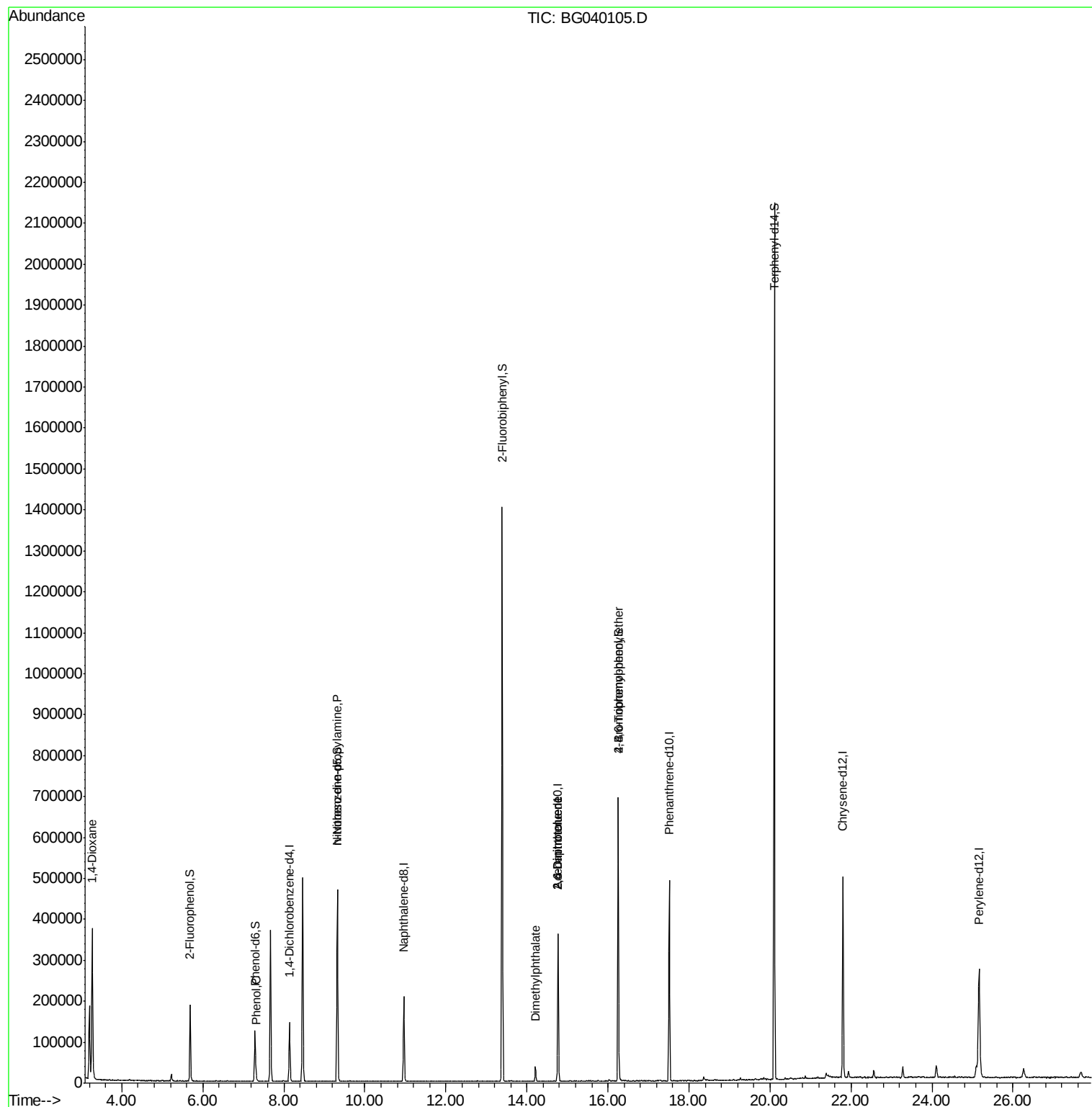
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41135	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	183280	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	134307	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	314170	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	309939	20.00	ng	-0.03
87) Perylene-d12	25.16	264	311312	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	79653	33.03	ng	-0.03
7) Phenol-d6	7.29	99	72334	20.12	ng	-0.03
23) Nitrobenzene-d5	9.32	82	282049	83.23	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	123106	78.64	ng	-0.03
45) 2-Fluorobiphenyl	13.39	172	726826	77.05	ng	-0.03
79) Terphenyl-d14	20.11	244	989897	70.32	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.27	88	2949	2.649	ng	# 1
10) Phenol	7.32	94	9508	2.441	ng	# 94
19) n-Nitroso-di-n-propylamine	9.32	70	37459	14.476	ng	# 64
50) Dimethylphthalate	14.21	163	26467	2.357	ng	# 100
51) 2,6-Dinitrotoluene	14.77	165	17251	7.246	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	17251	5.157	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	8872	2.523	ng	# 1

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

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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: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampleId :

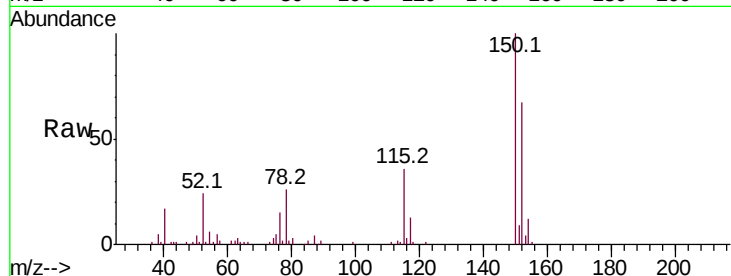
Tot Ion:152 Resp: 41135

Ion Ratio Lower Upper

152 100

150 150.1 123.7 185.5

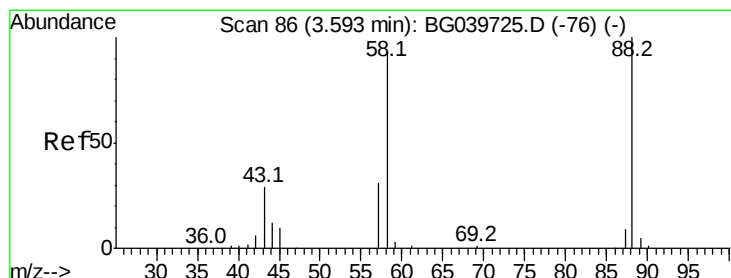
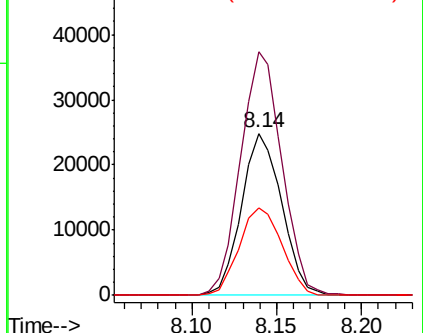
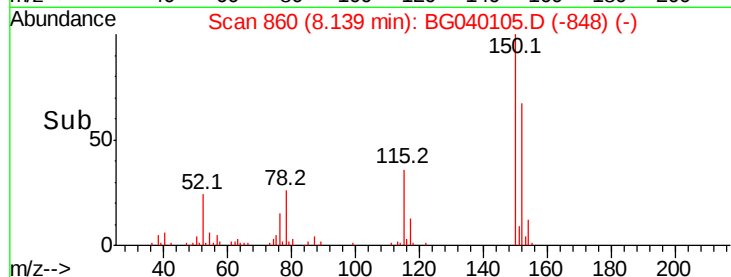
115 54.1 45.9 68.9



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



#2

1,4-Dioxane

Concen: 2.649 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

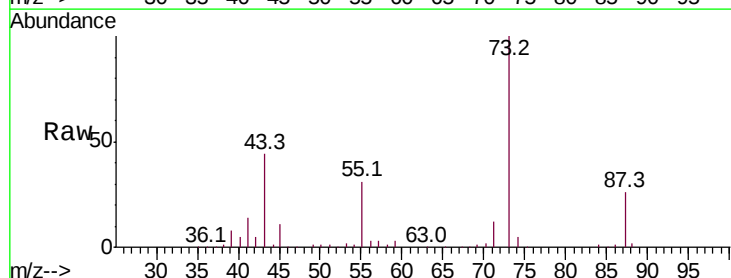
Tgt Ion: 88 Resp: 2949

Ion Ratio Lower Upper

88 100

58 42.9 81.1 121.7#

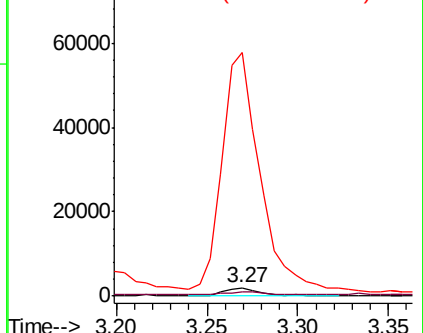
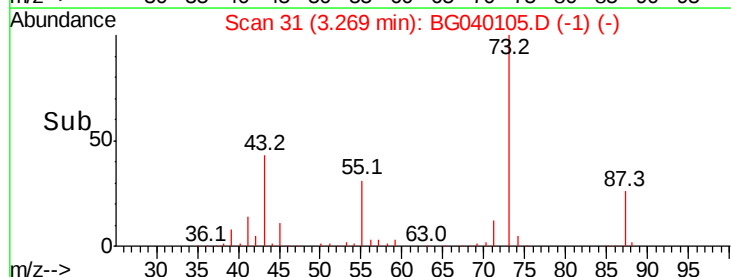
43 2872.7 31.4 47.0#

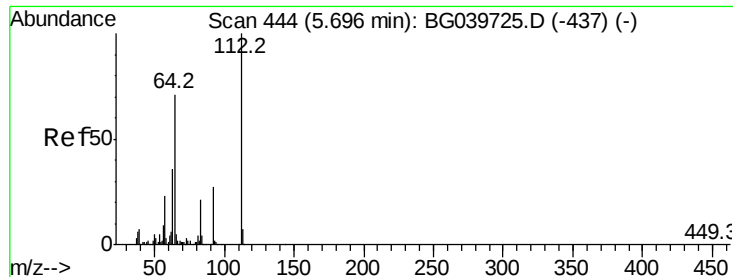


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 33.035 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.03 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampleId :

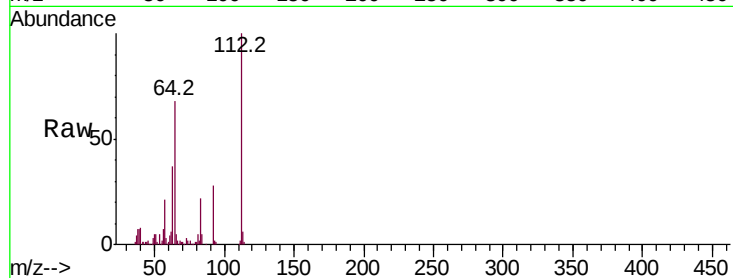
Tot Ion:112 Resp: 79653

Ion Ratio Lower Upper

112 100

64 67.8 57.8 86.8

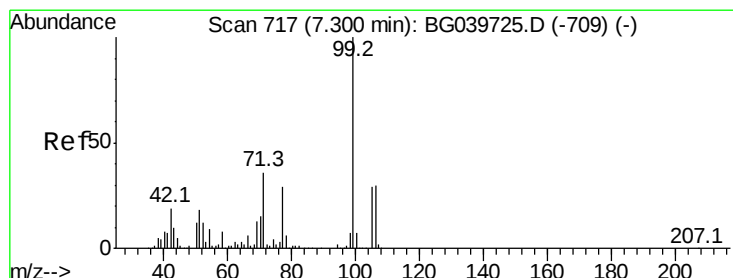
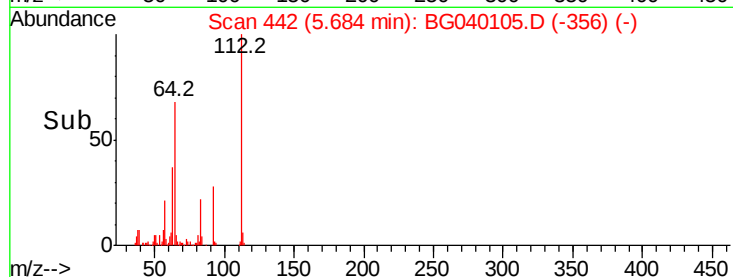
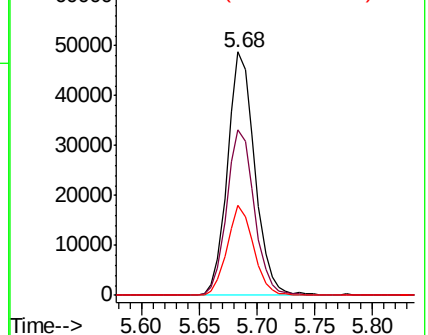
63 37.2 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 20.120 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

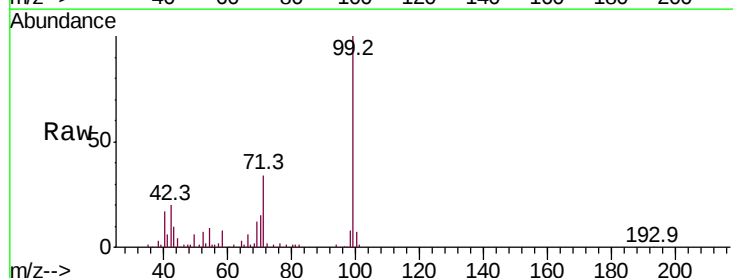
Tgt Ion: 99 Resp: 72334

Ion Ratio Lower Upper

99 100

42 19.8 18.2 27.2

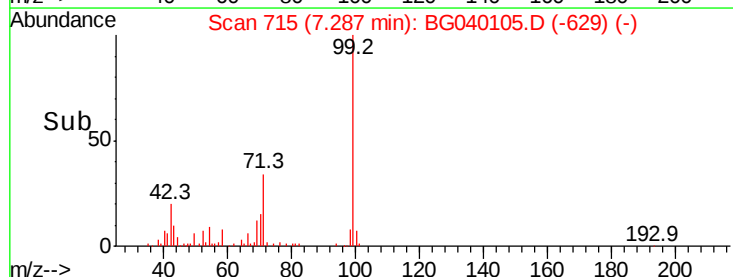
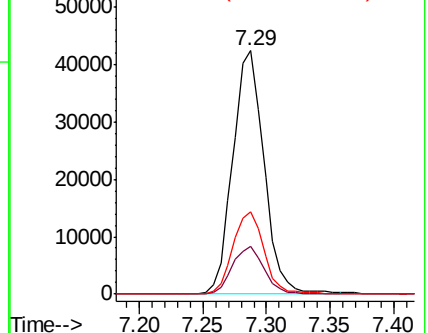
71 33.7 28.0 42.0

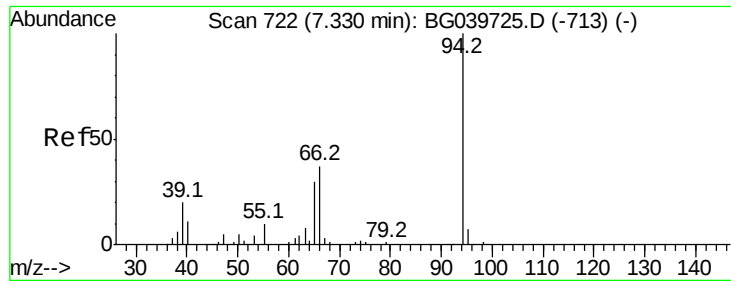


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.441 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampleId :

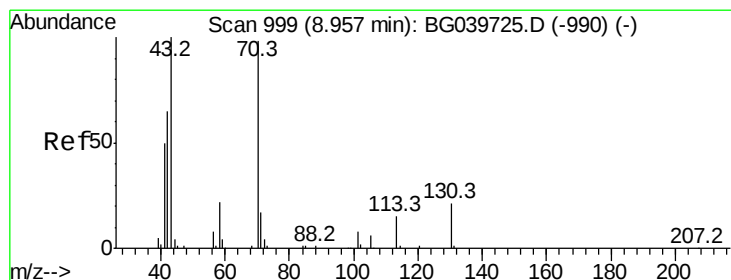
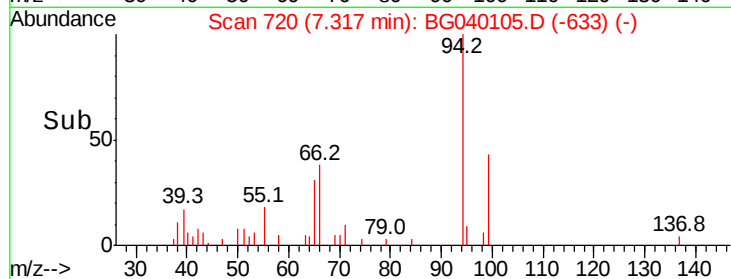
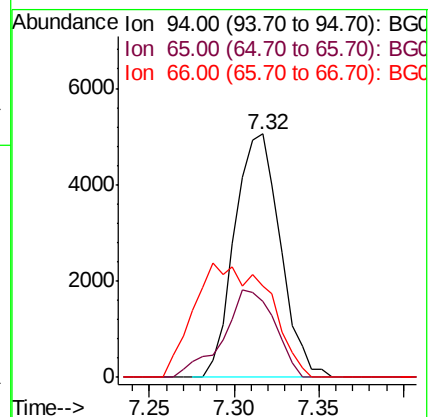
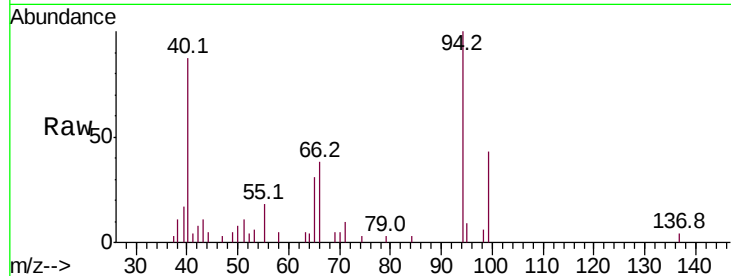
Tot Ion: 94 Resp: 9508

Ion Ratio Lower Upper

94 100

65 31.2 11.7 51.7

66 37.7 23.7 63.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.476 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

Tgt Ion: 70 Resp: 37459

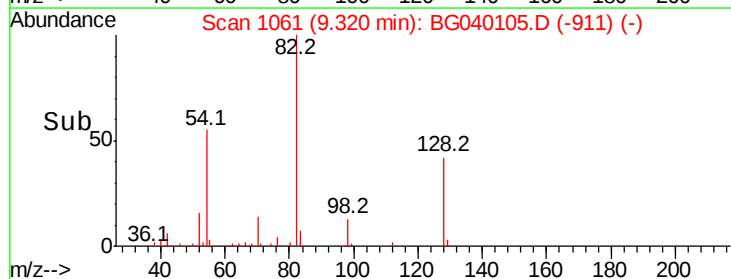
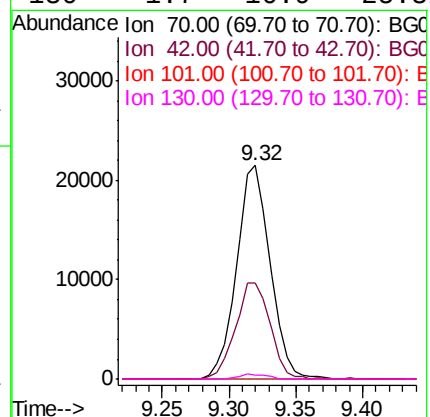
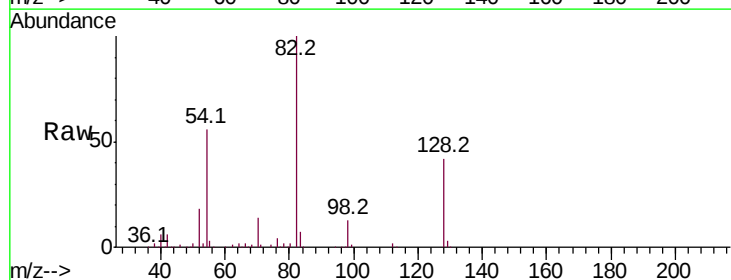
Ion Ratio Lower Upper

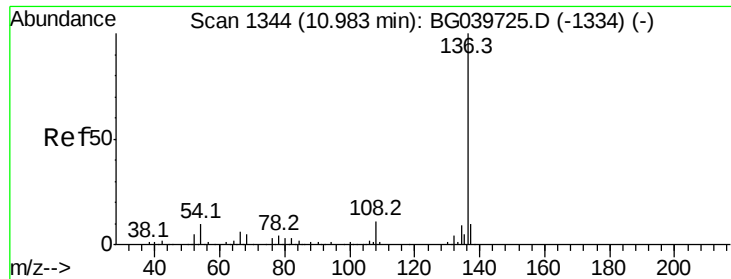
70 100

42 45.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

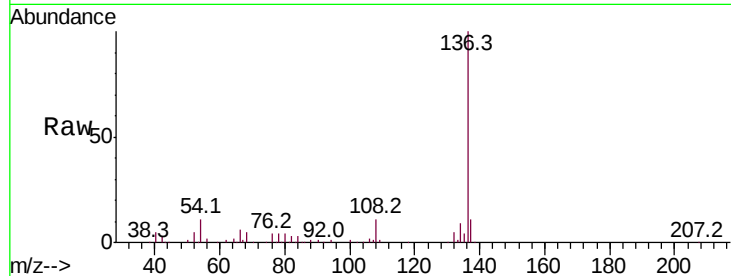




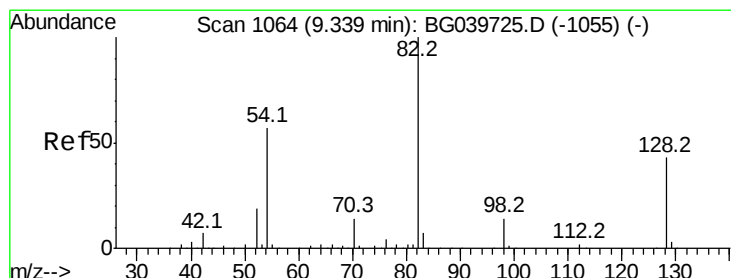
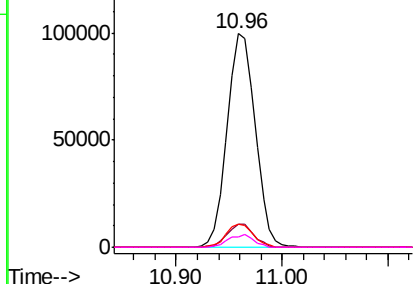
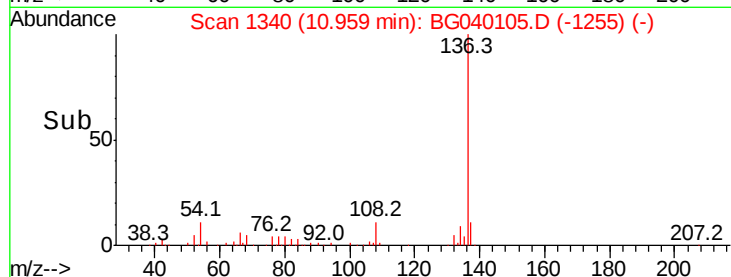
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040105.D
Acq: 23 Mar 2019 6:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	183280
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	11.0	9.4 14.2
68	5.0	4.2 6.4

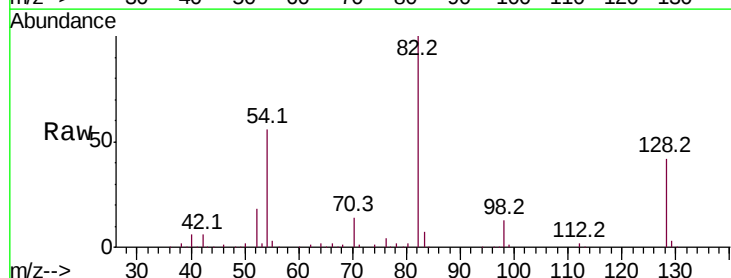


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

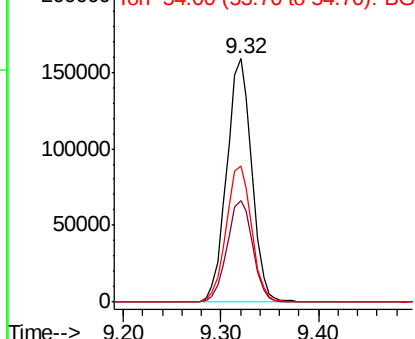
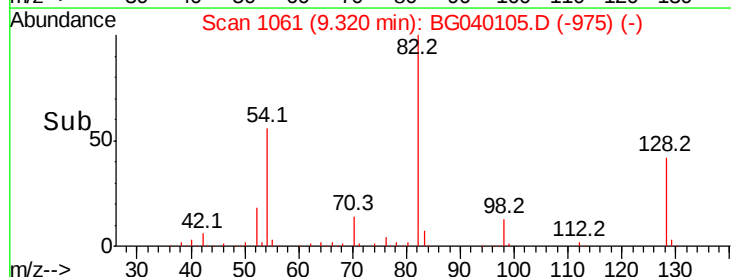


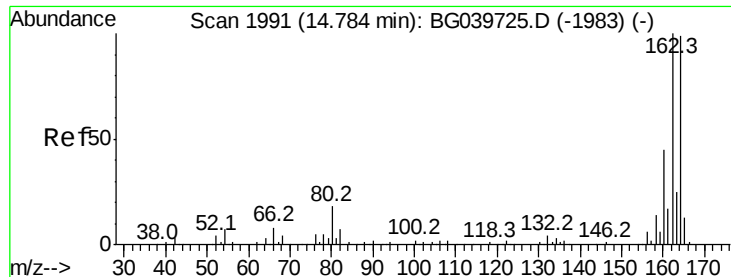
#23
Nitrobenzene-d5
Concen: 83.230 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040105.D
Acq: 23 Mar 2019 6:53

Tgt Ion: 82	Resp:	282049
Ion Ratio	Lower	Upper
82	100	
128	41.8	31.3 46.9
54	55.8	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# 1988

Delta R.T. -0.03 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampled :

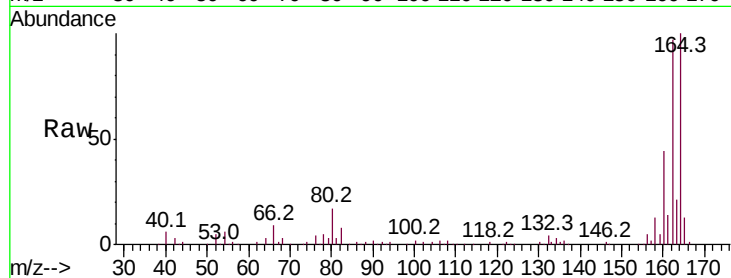
Tot Ion:164 Resp: 134307

Ion Ratio Lower Upper

164 100

162 97.3 81.6 122.4

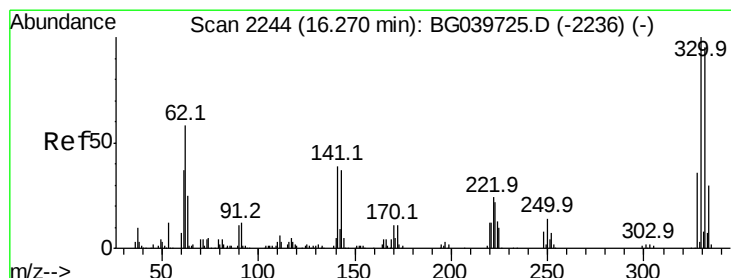
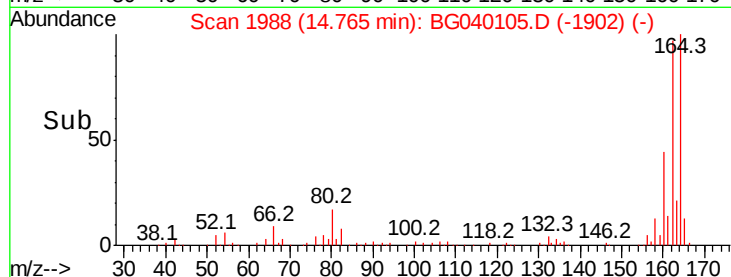
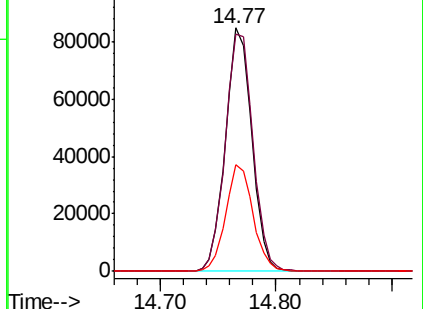
160 44.0 34.2 51.2



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: 78.640 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.03 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

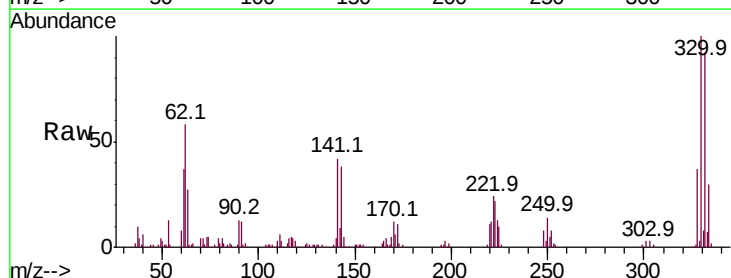
Tgt Ion:330 Resp: 123106

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

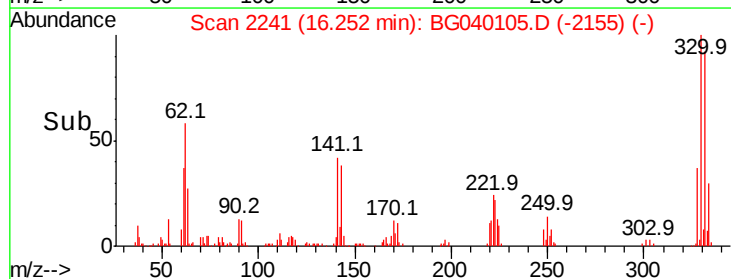
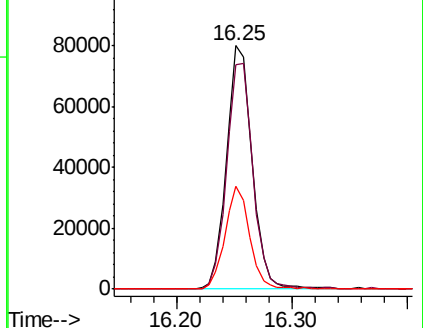
141 40.4 35.6 53.4

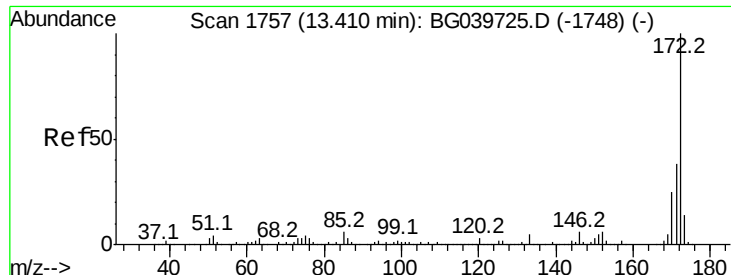


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

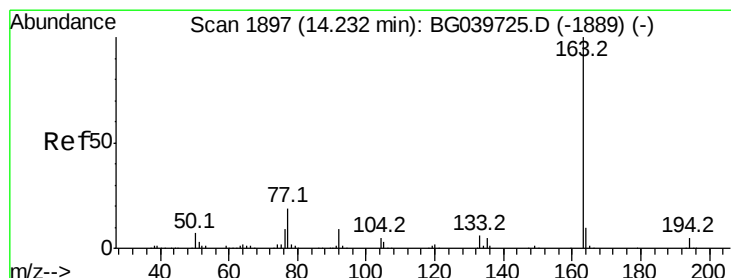
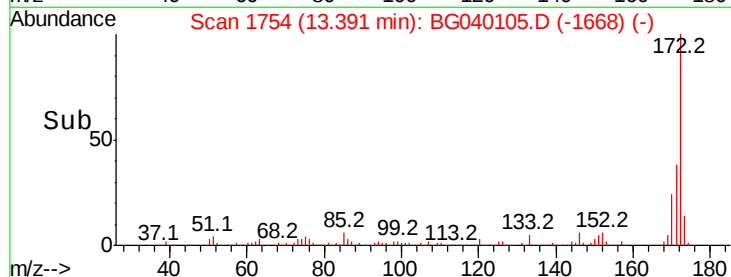
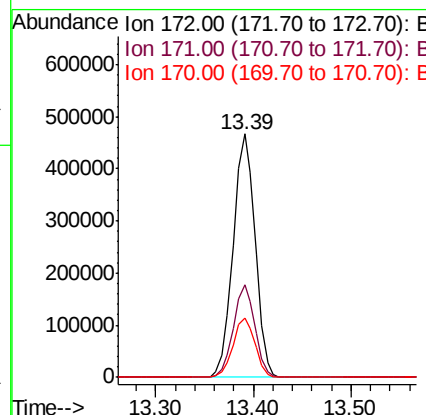
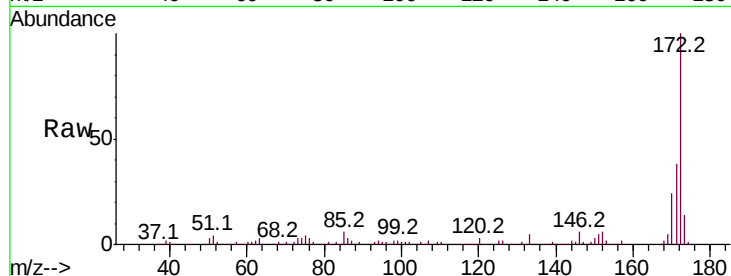




#45
 2-Fluorobiphenyl
 Concen: 77.053 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG040105.D
 Acq: 23 Mar 2019 6:53

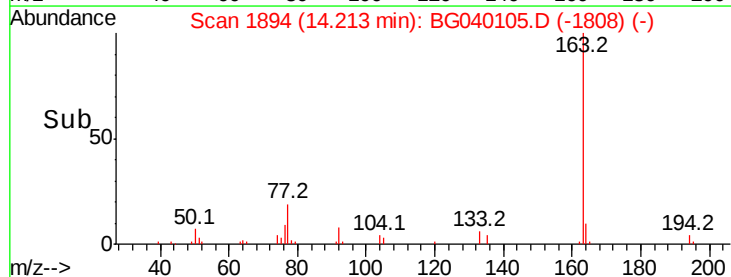
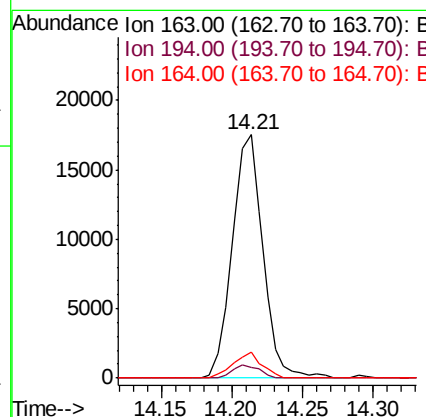
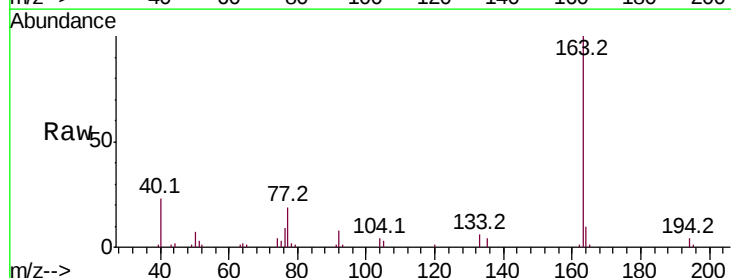
Instrument :
 BNA_G
 ClientSampleId :

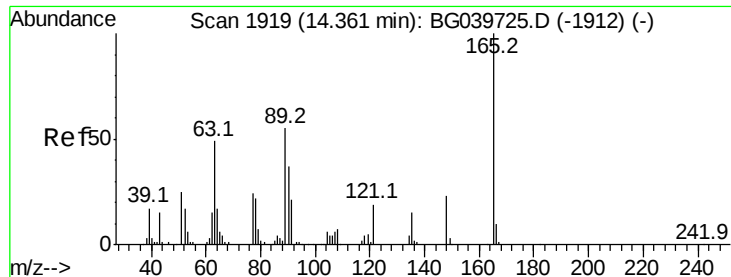
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	24.4	20.2	30.4



#50
 Dimethylphthalate
 Concen: 2.357 ng
 RT: 14.21 min Scan# 1894
 Delta R.T. -0.03 min
 Lab File: BG040105.D
 Acq: 23 Mar 2019 6:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	10.5	8.4	12.6

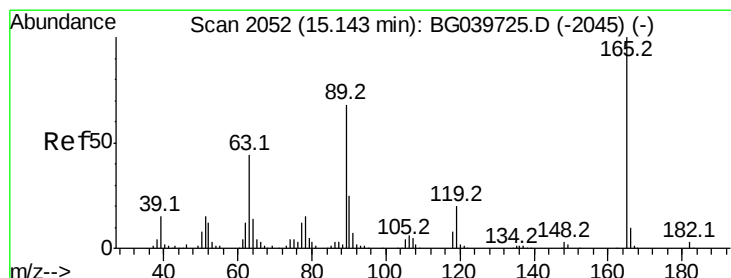
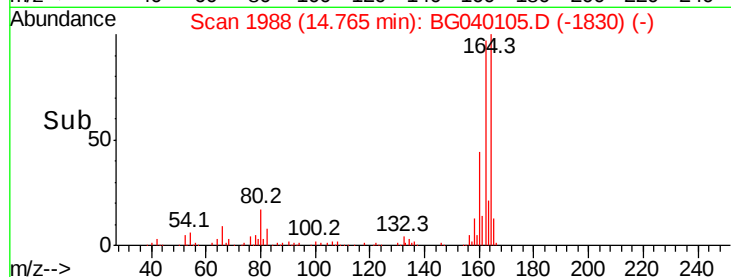
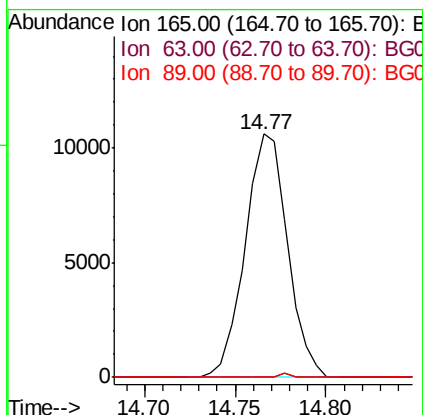
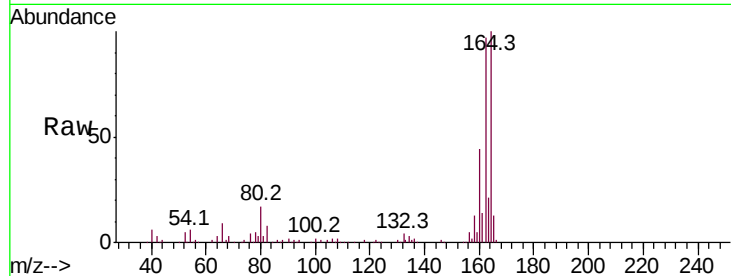




#51
 2,6-Dinitrotoluene
 Concen: 7.246 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040105.D
 Acq: 23 Mar 2019 6:53

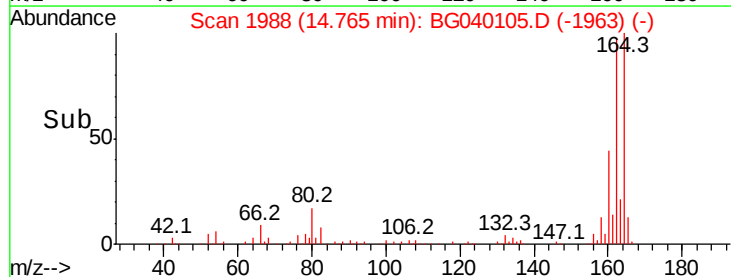
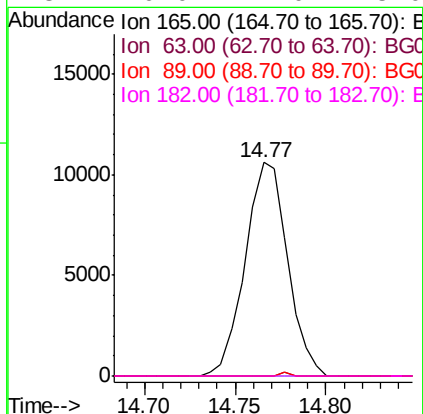
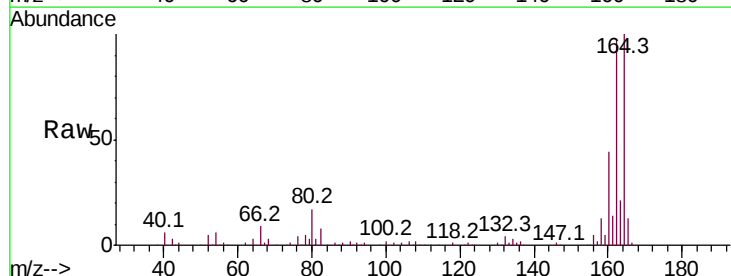
Instrument :
 BNA_G
 ClientSampled :

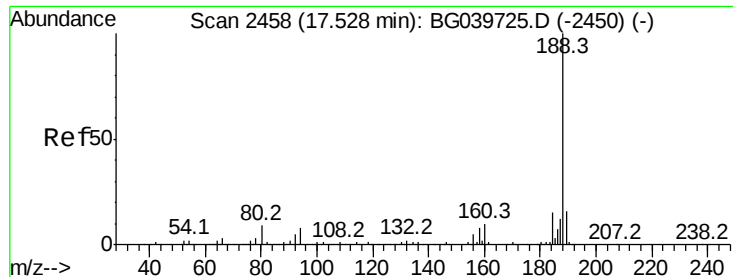
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.157 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040105.D
 Acq: 23 Mar 2019 6:53

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampleId :

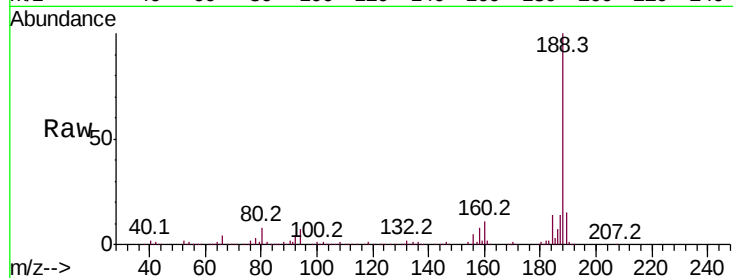
Tot Ion:188 Resp: 314170

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

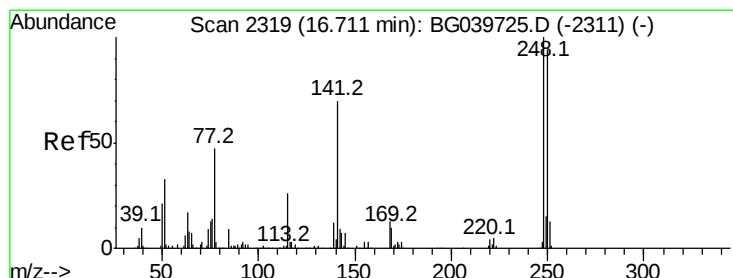
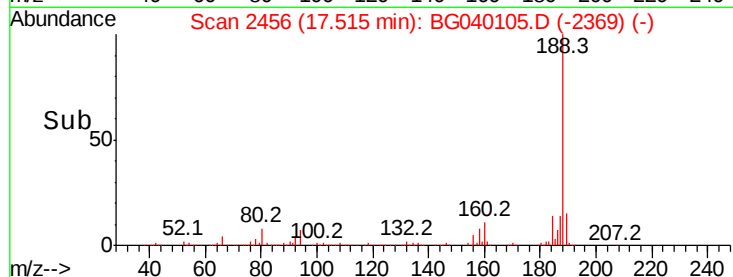
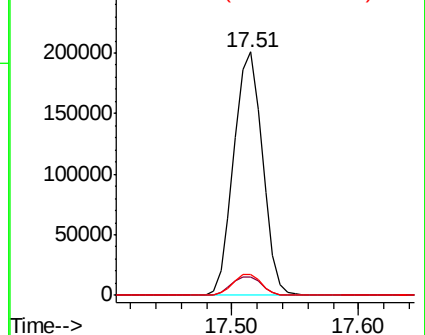
80 8.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.523 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.47 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

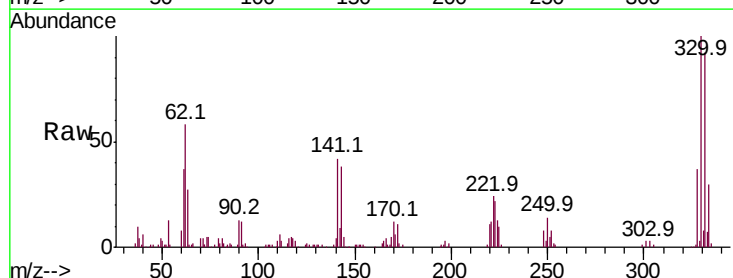
Tgt Ion:248 Resp: 8872

Ion Ratio Lower Upper

248 100

250 182.3 77.6 116.4#

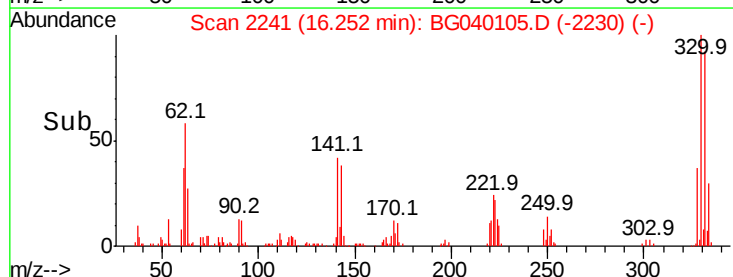
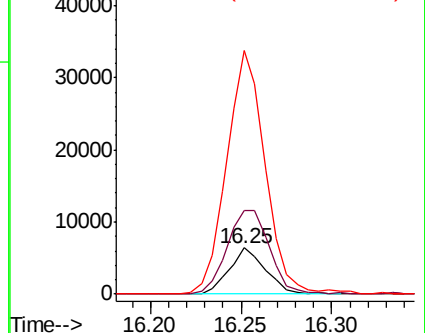
141 530.7 63.9 95.9#

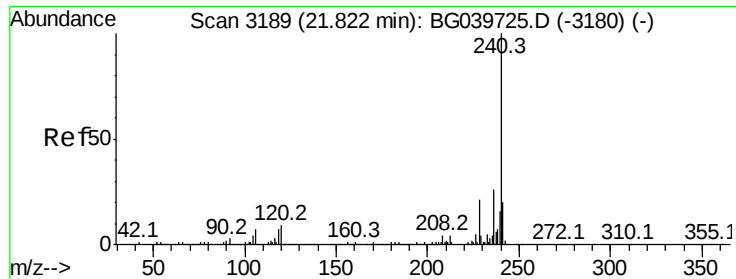


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG040105.D

Acq: 23 Mar 2019 6:53

Instrument :

BNA_G

ClientSampleId :

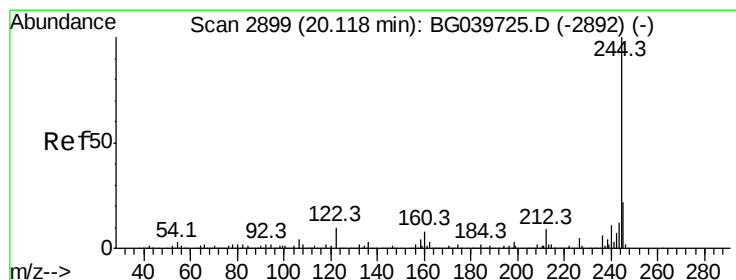
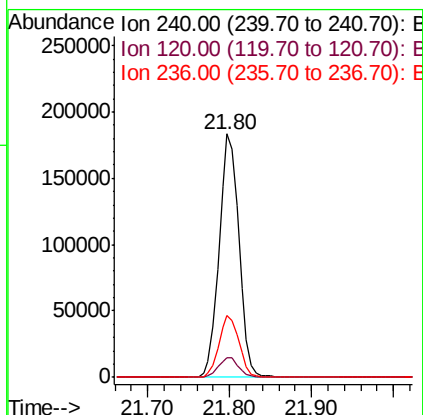
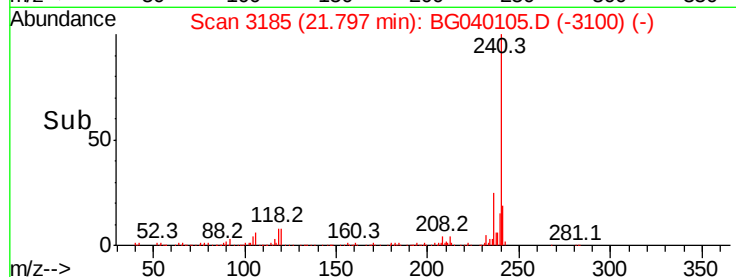
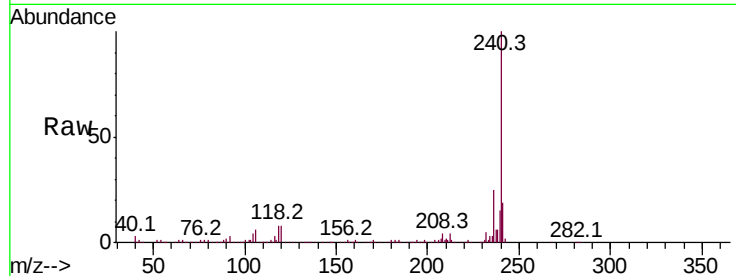
Tot Ion:240 Resp: 309939

Ion Ratio Lower Upper

240 100

120 8.2 7.0 10.6

236 25.2 21.0 31.4



#79

Terphenyl-d14

Concen: 70.322 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040105.D

Acq: 23 Mar 2019 6:53

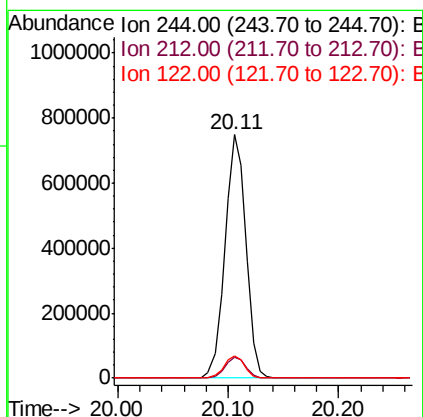
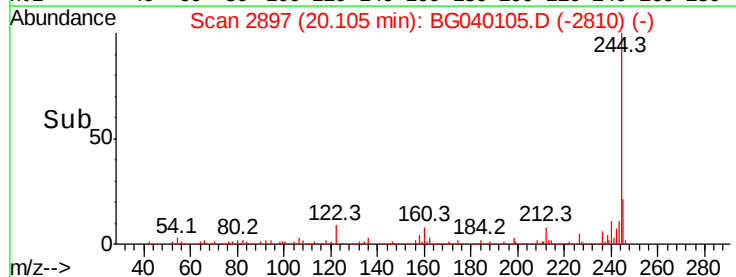
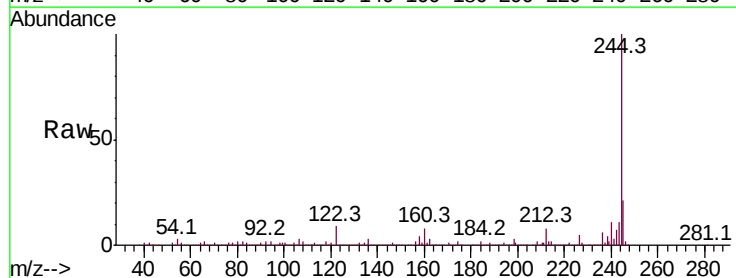
Tgt Ion:244 Resp: 989897

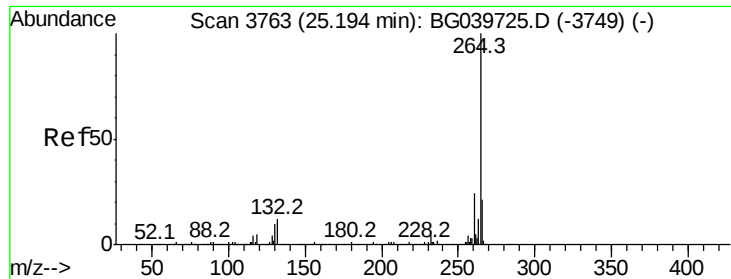
Ion Ratio Lower Upper

244 100

212 8.3 7.3 10.9

122 9.1 8.4 12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3758
Delta R.T. -0.04 min
Lab File: BG040105.D
Acq: 23 Mar 2019 6:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.7	18.5	27.7

