

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040059.D
 Acq On : 21 Mar 2019 7:46
 Operator : JU/SJ
 Sample : K1688-24
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:32:26 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	36867	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	165349	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	115243	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	291014	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	292778	20.00	ng	-0.03
87) Perylene-d12	25.15	264	287888	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	289019	133.74	ng	-0.02
7) Phenol-d6	7.29	99	370514	114.99	ng	-0.02
23) Nitrobenzene-d5	9.32	82	296642	97.03	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	193509	144.06	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	727386	89.87	ng	-0.02
79) Terphenyl-d14	20.11	244	1225144	92.14	ng	-0.02

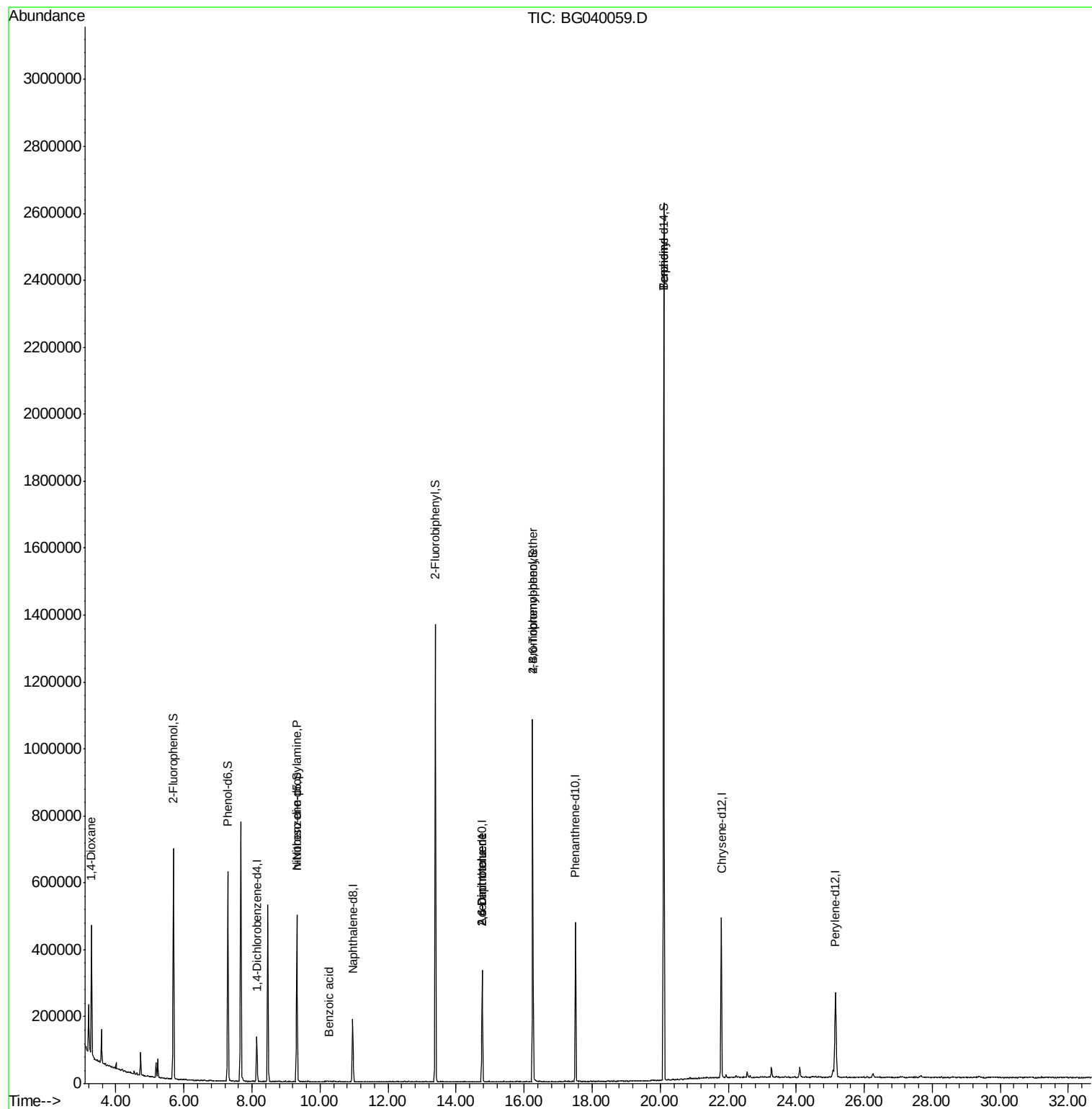
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	3467	3.475	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	38132	16.441	ng	# 70
32) Benzoic acid	10.27	122	344	6.778	ng	# 88
51) 2,6-Dinitrotoluene	14.77	165	14905	7.296	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	14905	5.192	ng	# 20
67) 4-Bromophenyl-phenylether	16.25	248	15443	4.741	ng	# 1
77) Benzidine	20.11	184	21435	2.307	ng	# 92

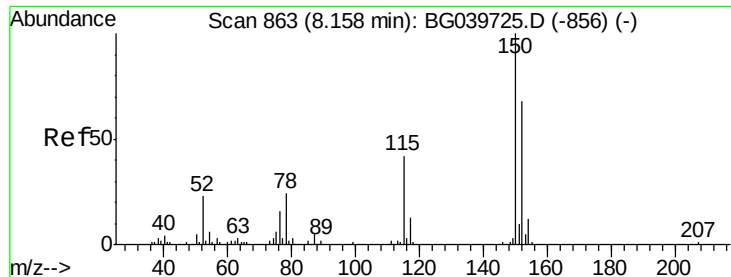
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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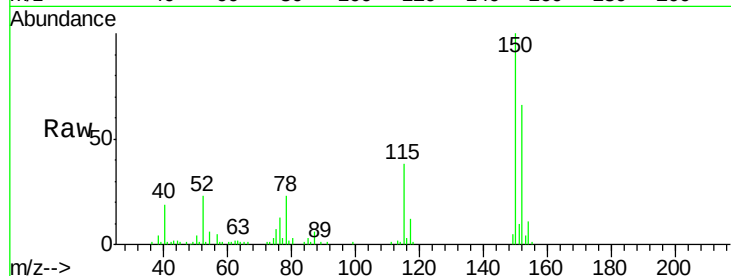


#1

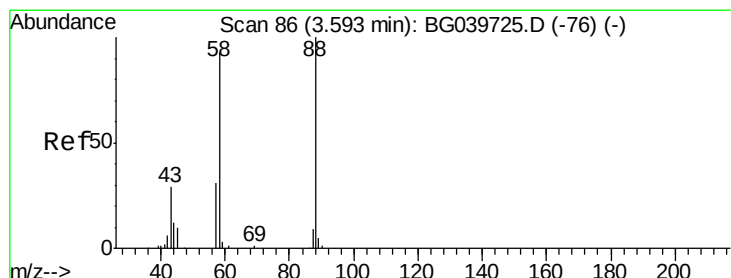
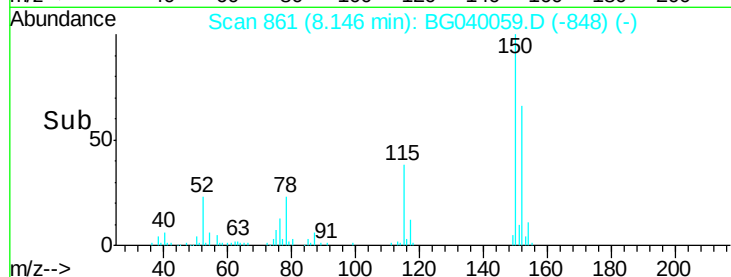
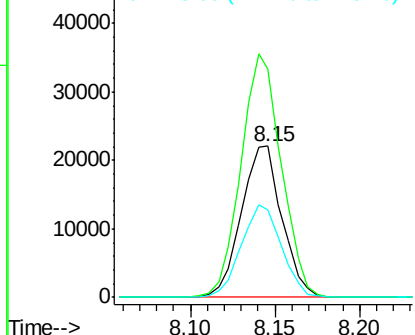
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040059.D
Acq: 21 Mar 2019 7:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 36867
Ion Ratio Lower Upper
152 100
150 151.0 123.7 185.5
115 57.5 45.9 68.9



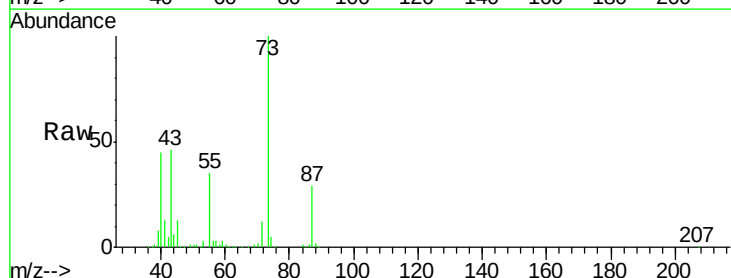
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



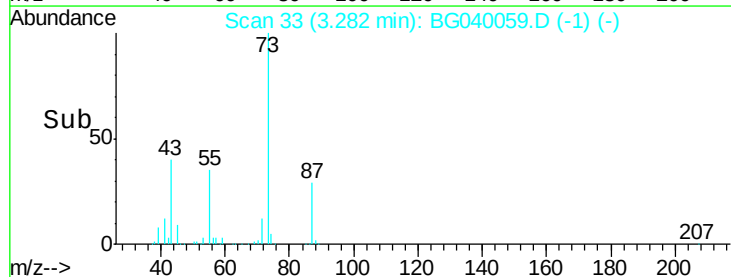
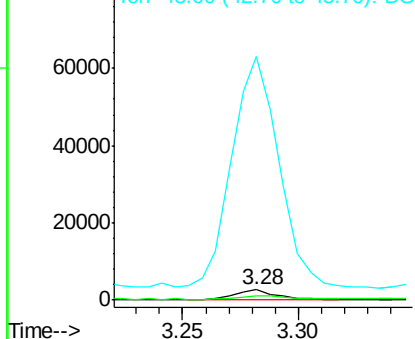
#2

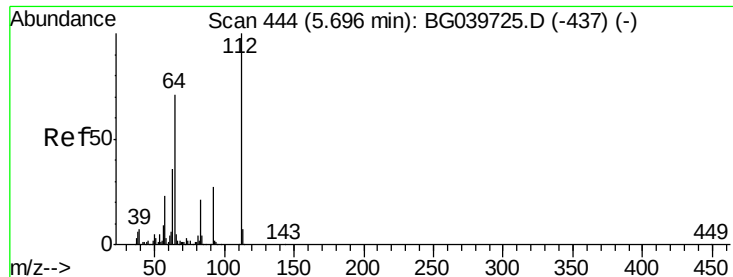
1,4-Dioxane
Concen: 3.475 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.32 min
Lab File: BG040059.D
Acq: 21 Mar 2019 7:46

Tgt Ion: 88 Resp: 3467
Ion Ratio Lower Upper
88 100
58 41.8 81.1 121.7#
43 2490.4 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: 133.743 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

Instrument :

BNA_G

ClientSampleId :

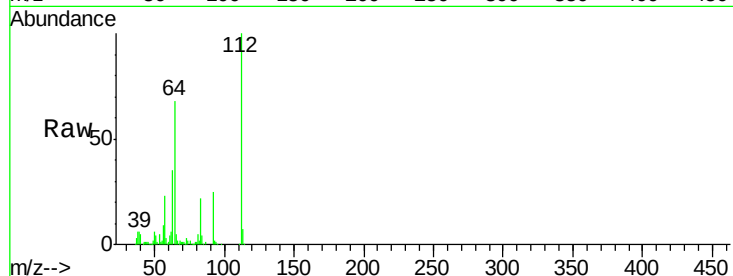
Tot Ion:112 Resp: 289019

Ion Ratio Lower Upper

112 100

64 67.8 57.8 86.8

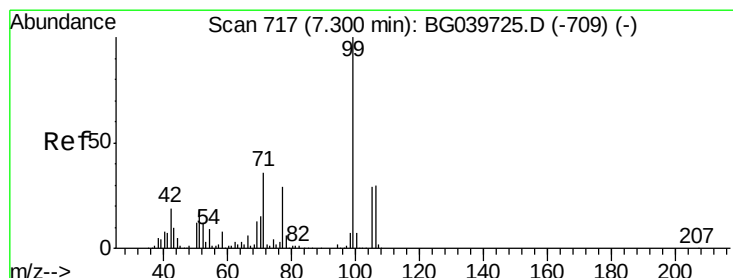
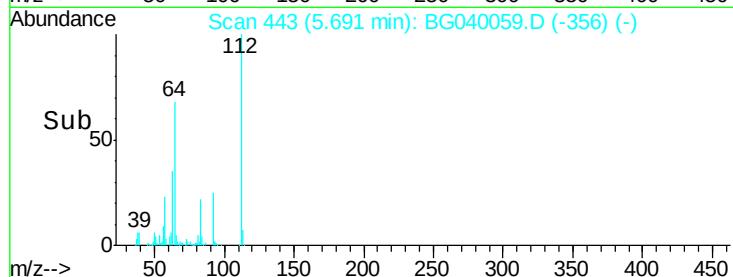
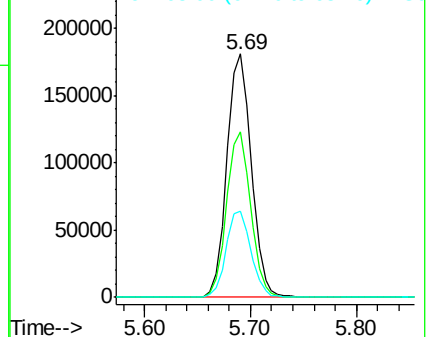
63 35.2 29.8 44.6



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: 114.988 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

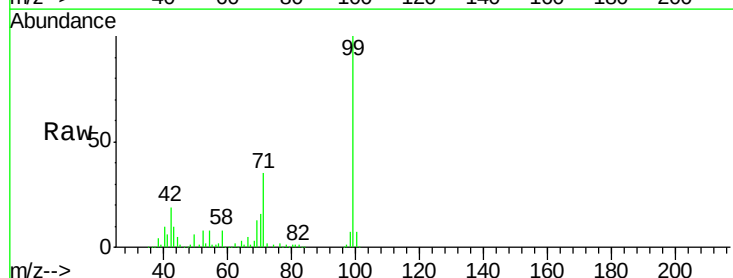
Tgt Ion: 99 Resp: 370514

Ion Ratio Lower Upper

99 100

42 19.0 18.2 27.2

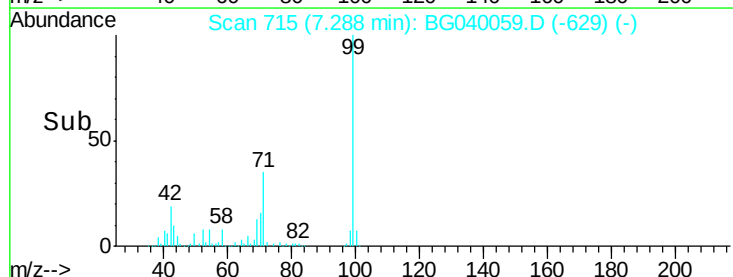
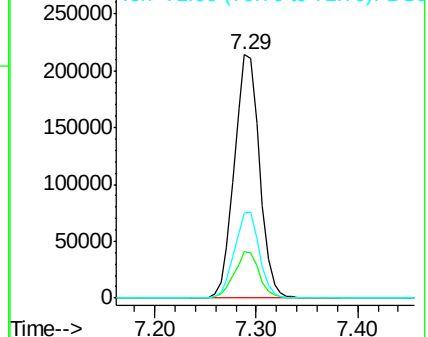
71 34.9 28.0 42.0

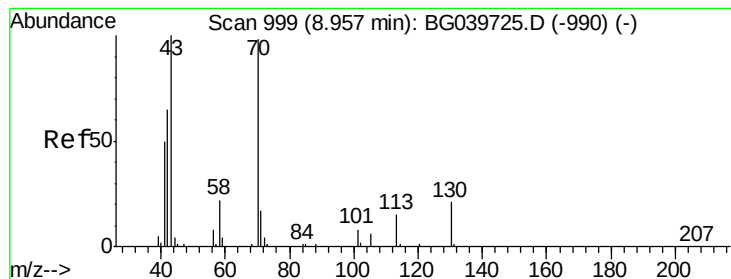


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.441 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38132

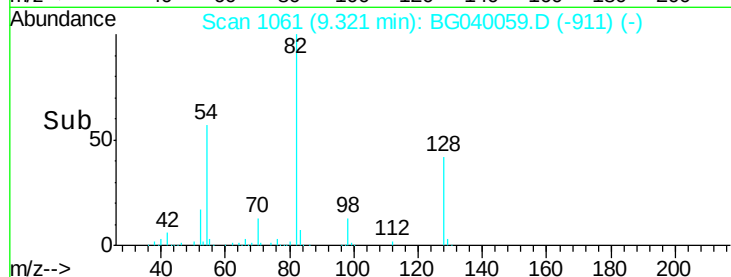
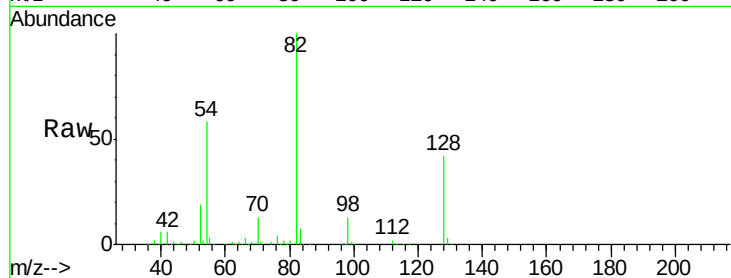
Ion Ratio Lower Upper

70 100

42 51.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

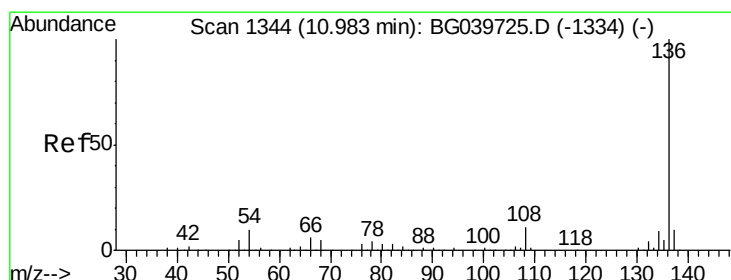
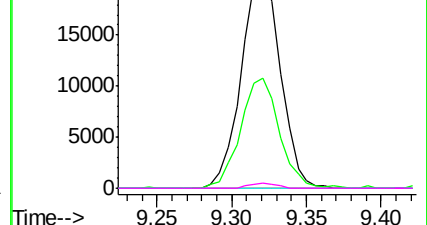


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

Tgt Ion: 136 Resp: 165349

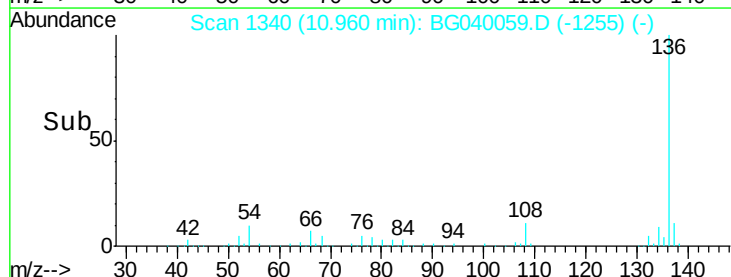
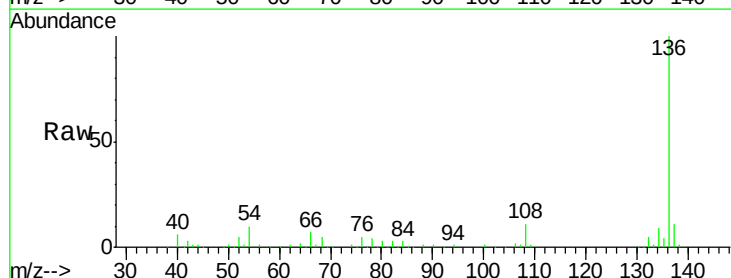
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.1 9.4 14.2

68 5.4 4.2 6.4

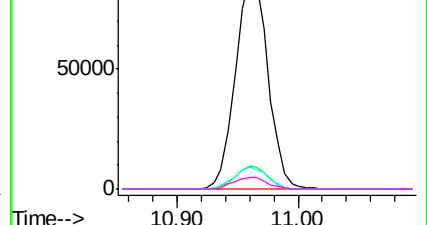


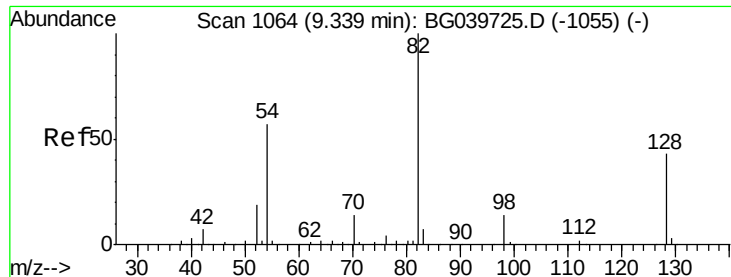
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

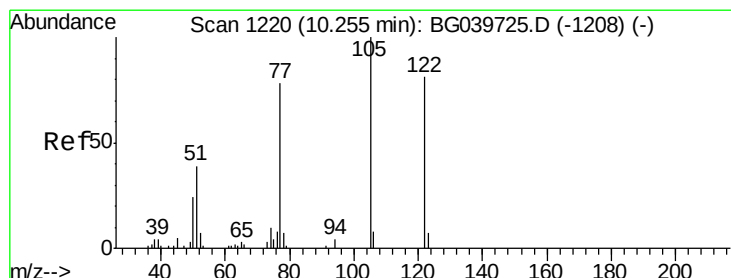
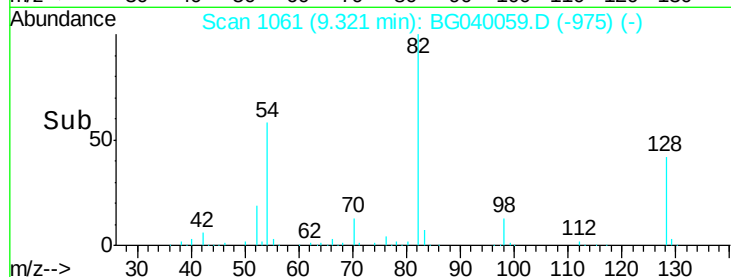
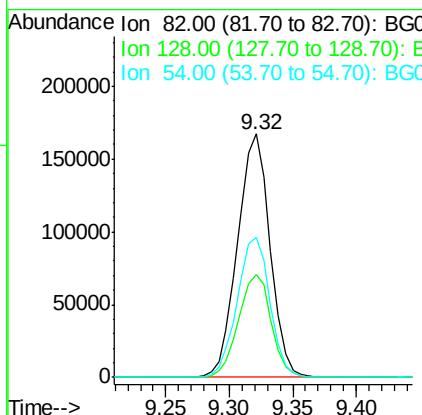
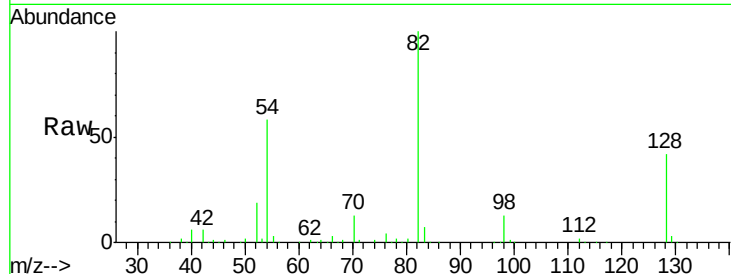




#23
Nitrobenzene-d5
Concen: 97.029 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040059.D
Acq: 21 Mar 2019 7:46

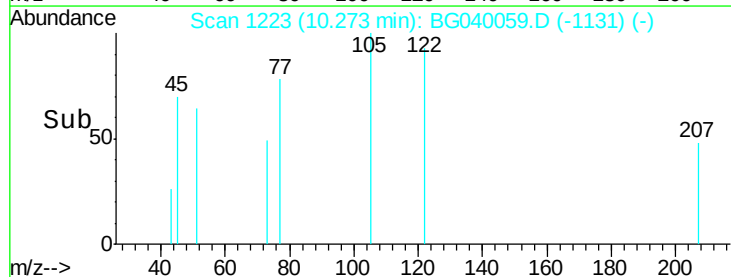
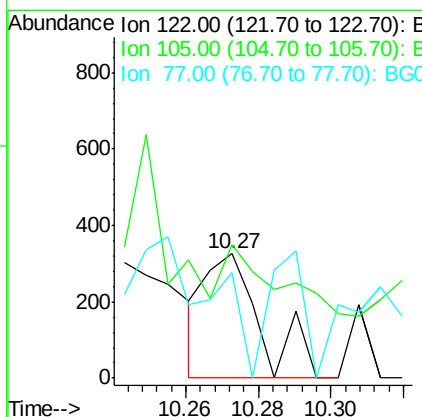
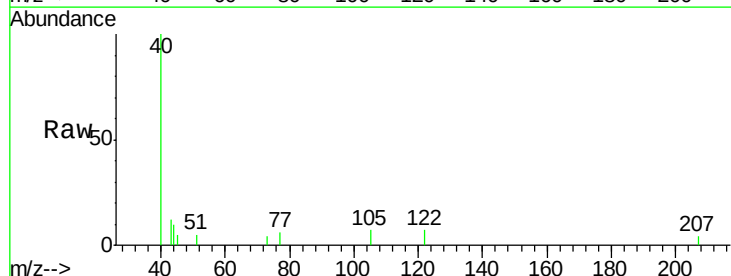
Instrument :
BNA_G
ClientSampled :

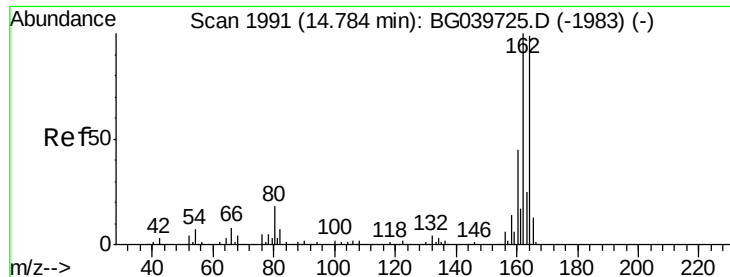
Tot Ion: 82 Resp: 296642
Ion Ratio Lower Upper
82 100
128 42.3 31.3 46.9
54 57.6 50.9 76.3



#32
Benzoic acid
Concen: 6.778 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BG040059.D
Acq: 21 Mar 2019 7:46

Tgt Ion: 122 Resp: 344
Ion Ratio Lower Upper
122 100
105 108.0 101.8 141.8
77 84.6 76.3 116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

Instrument :

BNA_G

ClientSampleId :

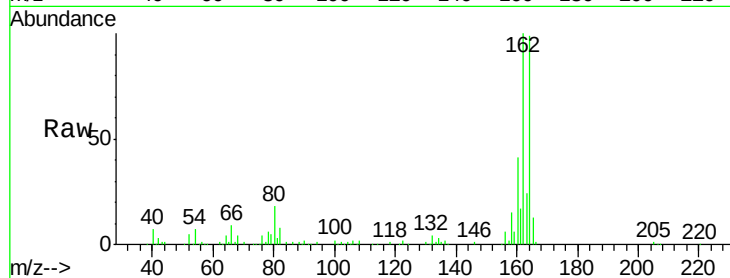
Tot Ion:164 Resp: 115243

Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

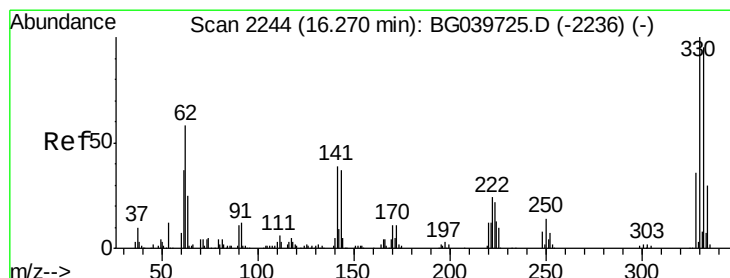
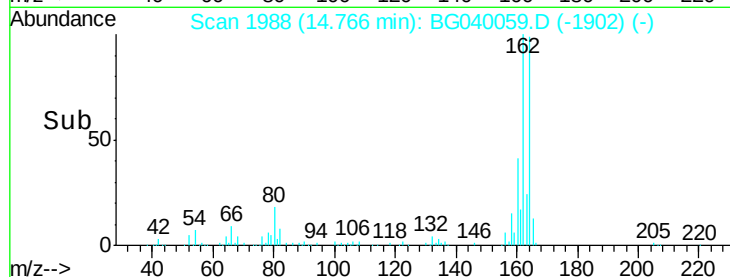
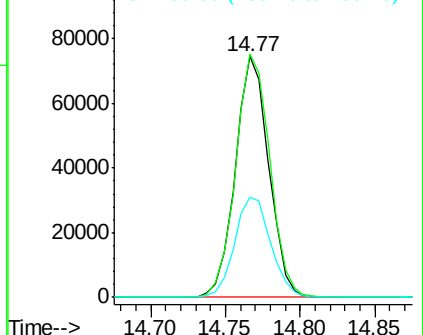
160 41.9 34.2 51.2



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: 144.061 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

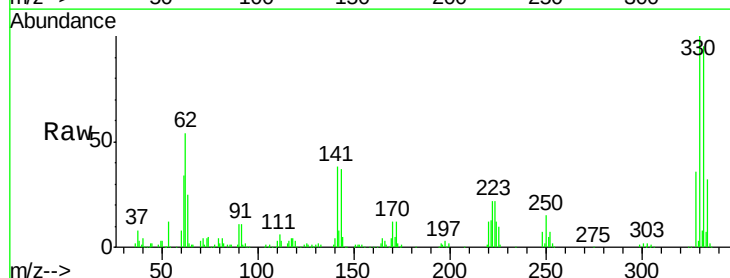
Tgt Ion:330 Resp: 193509

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

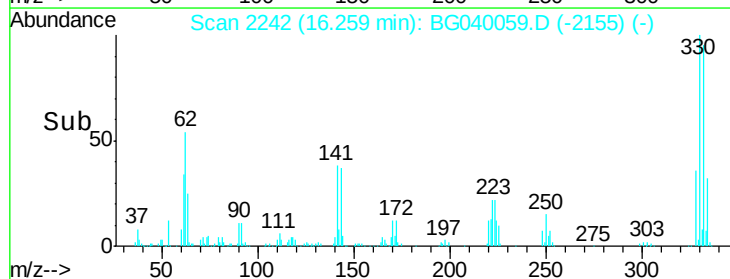
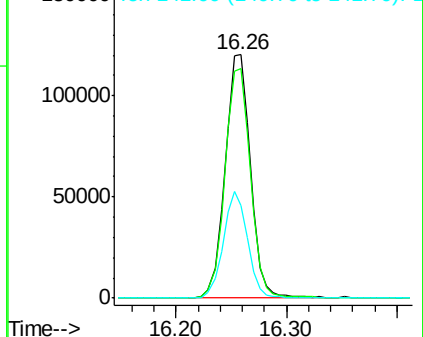
141 41.7 35.6 53.4

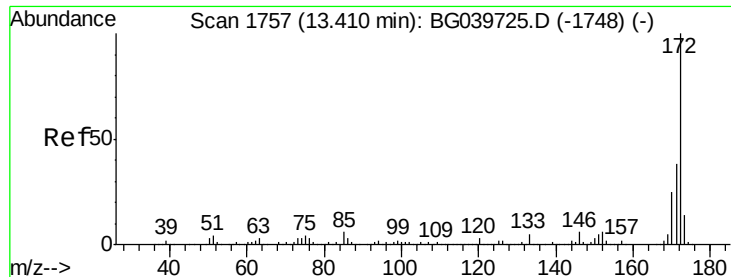


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

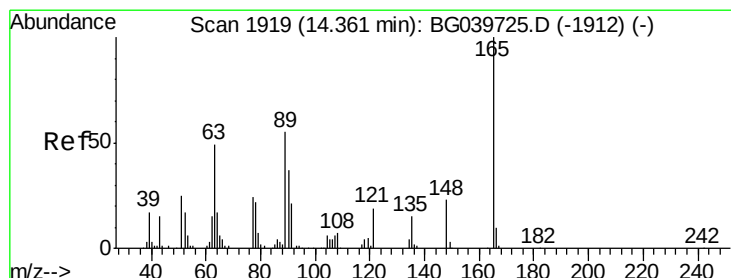
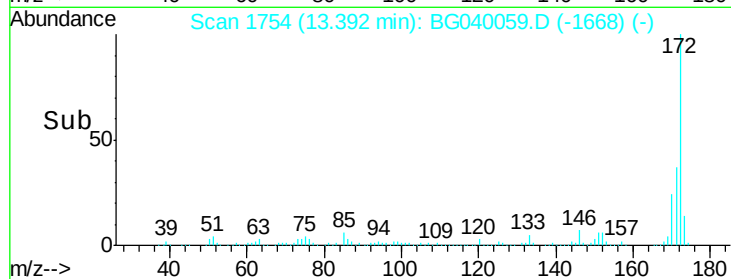
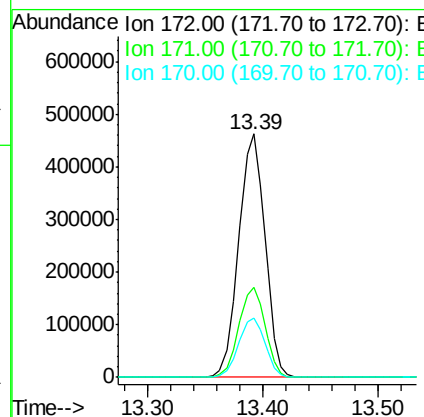
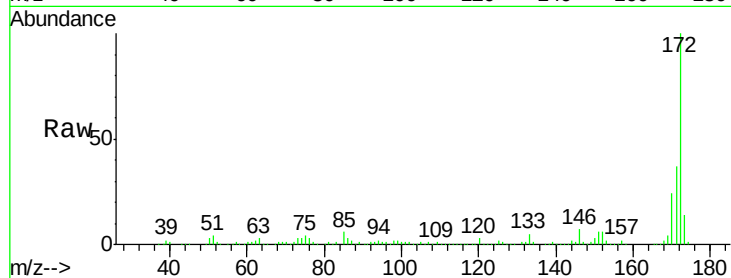




#45
 2-Fluorobiphenyl
 Concen: 89.869 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

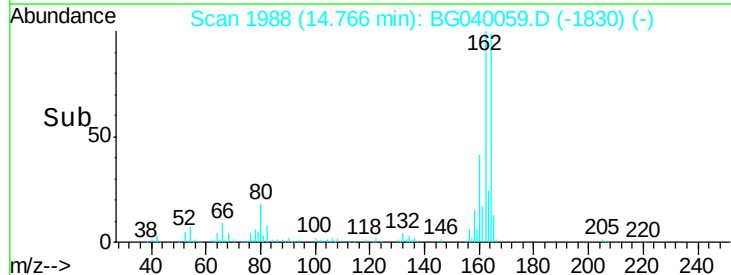
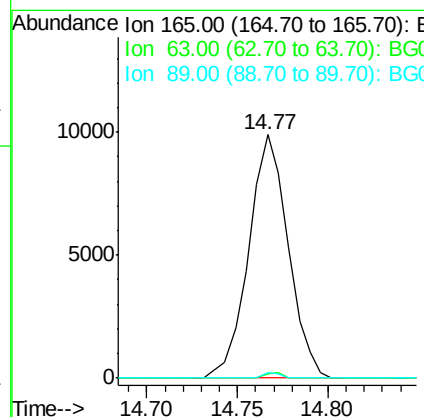
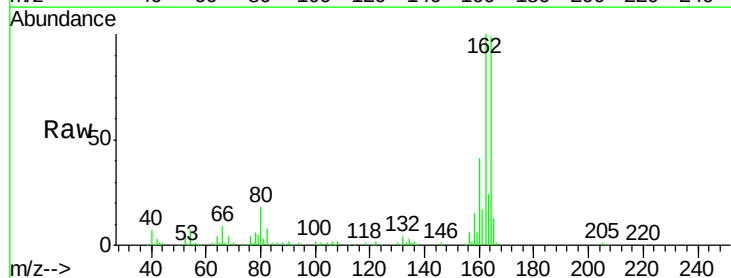
Instrument :
 BNA_G
 ClientSampleId :

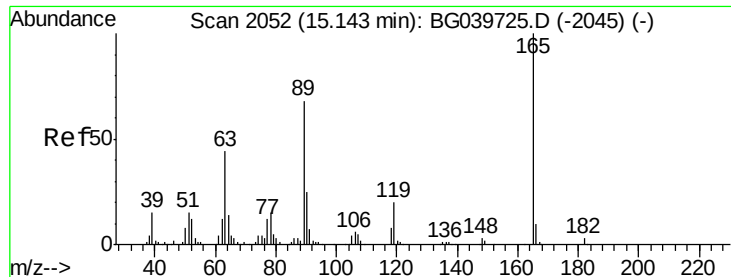
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.5	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.296 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	47.0	70.6#
89	2.1	45.8	68.8#

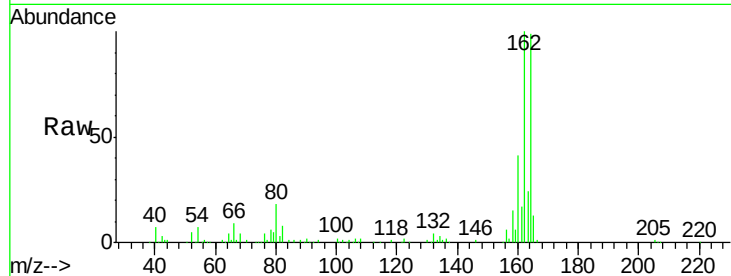




#57
 2,4-Dinitrotoluene
 Concen: 5.192 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#

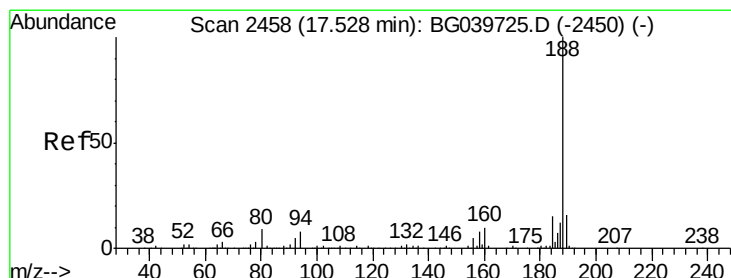
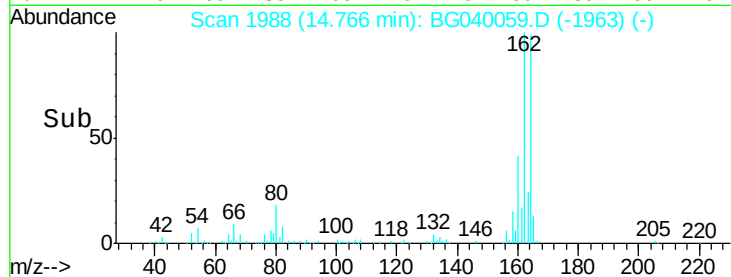
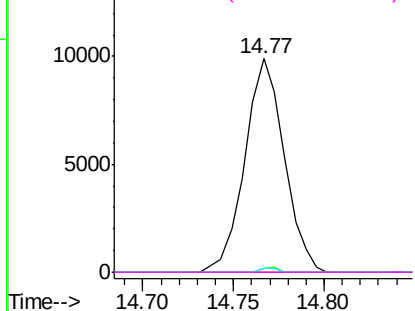


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

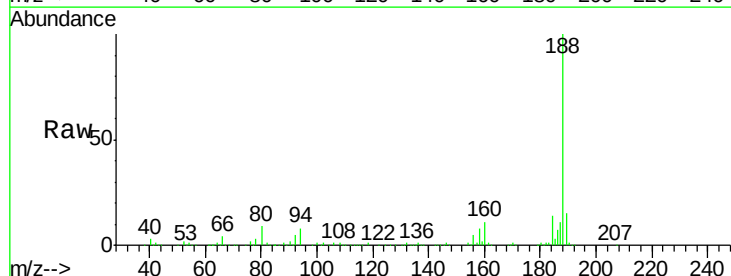
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

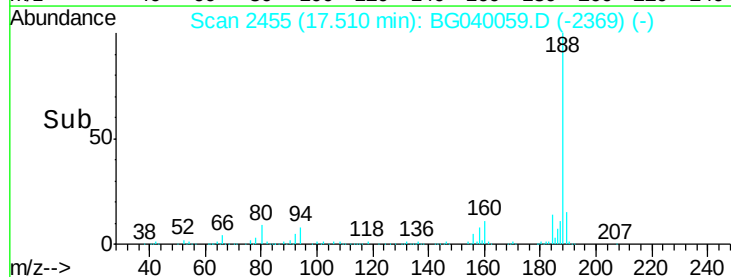
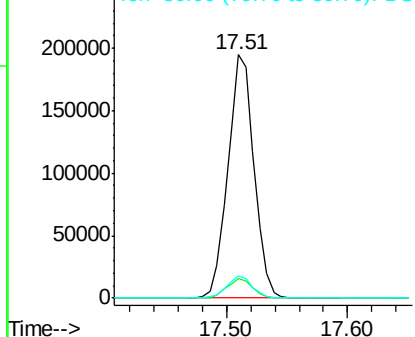
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.3	8.1	12.1

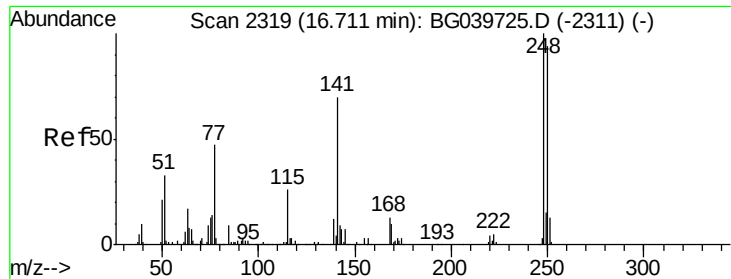


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

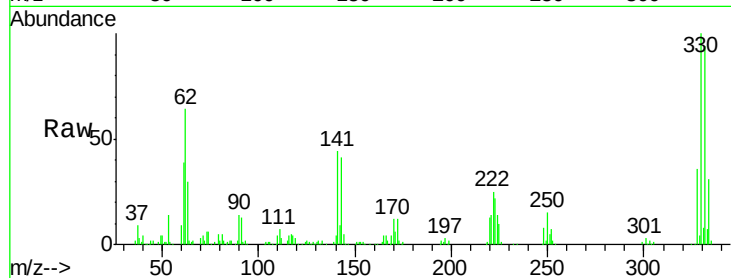




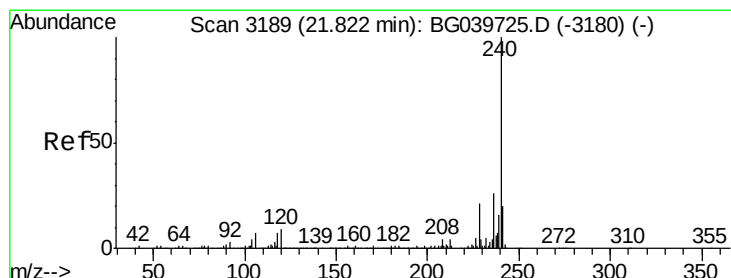
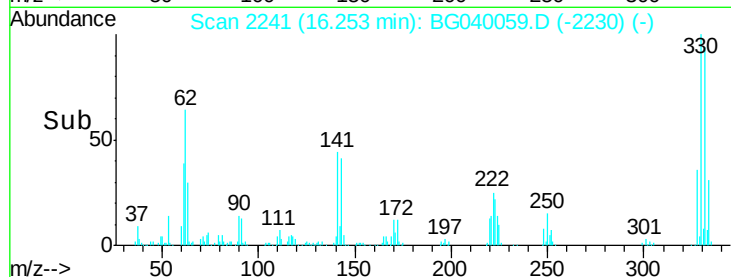
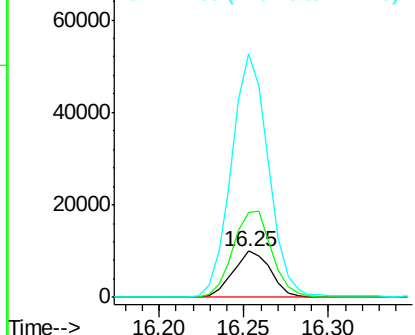
#67
 4-Bromophenyl-phenylether
 Concen: 4.741 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15443
 Ion Ratio Lower Upper
 248 100
 250 184.0 77.6 116.4#
 141 525.3 63.9 95.9#

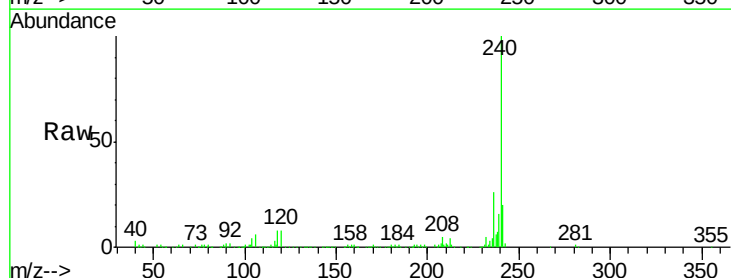


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

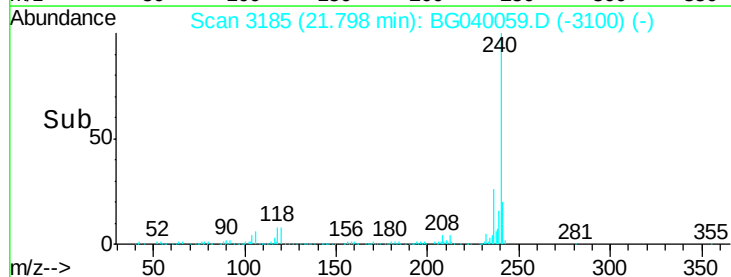
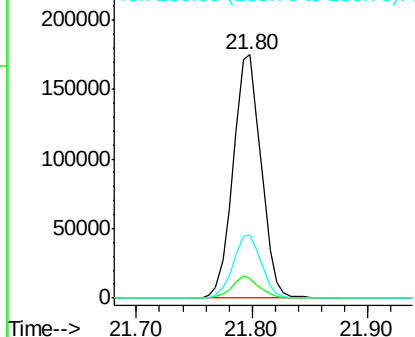


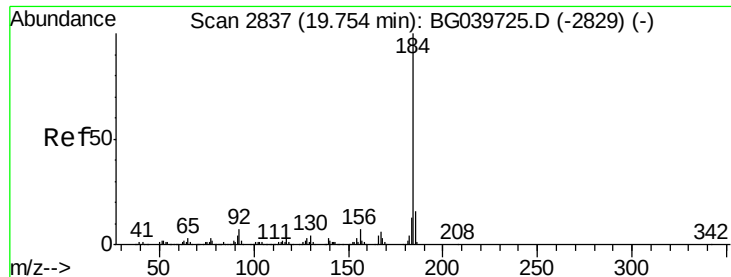
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040059.D
 Acq: 21 Mar 2019 7:46

Tgt Ion:240 Resp: 292778
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 26.0 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: 2.307 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

Instrument :

BNA_G

ClientSampled :

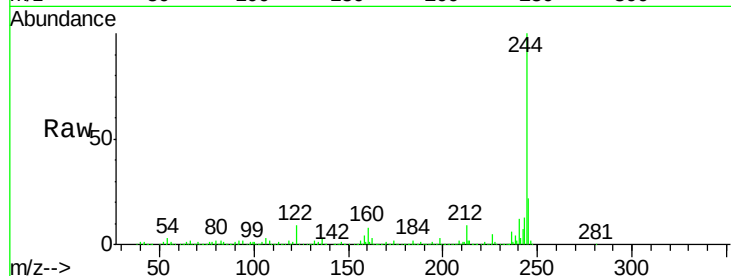
Tot Ion:184 Resp: 21435

Ion Ratio Lower Upper

184 100

185 17.2 12.2 18.2

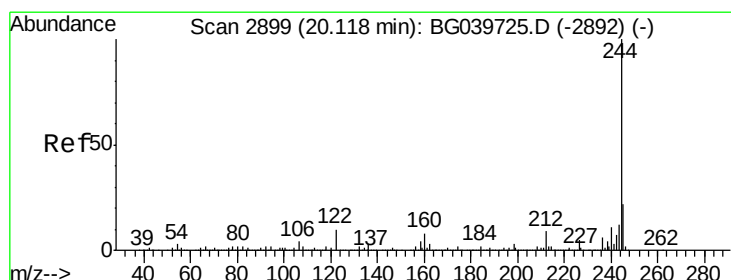
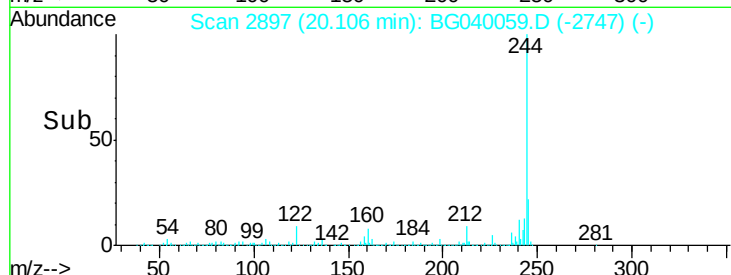
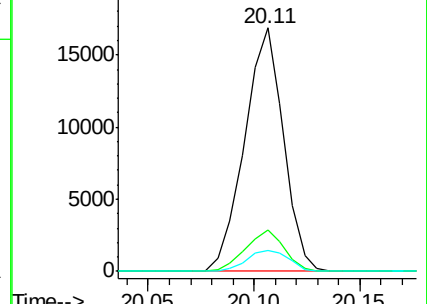
183 8.7 10.6 15.8#



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: 92.136 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040059.D

Acq: 21 Mar 2019 7:46

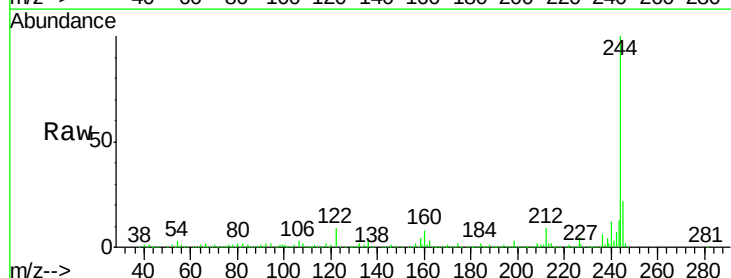
Tgt Ion:244 Resp: 1225144

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

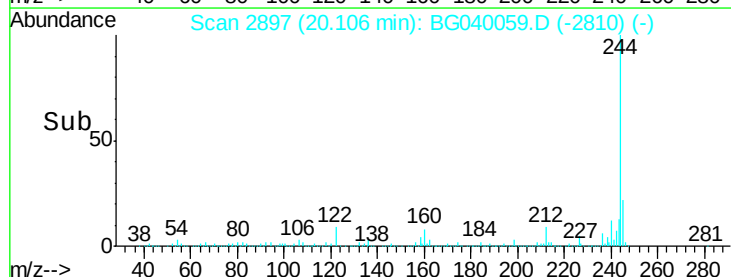
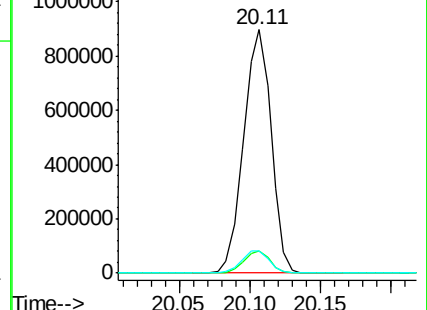
122 9.2 8.4 12.6

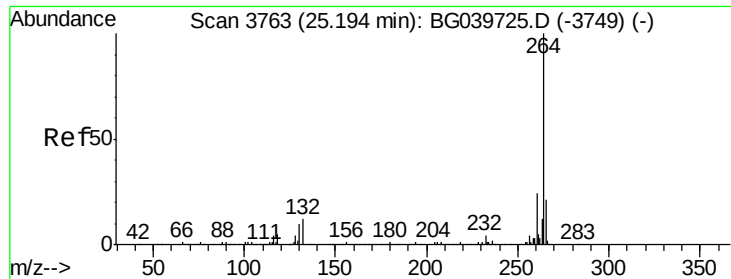


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

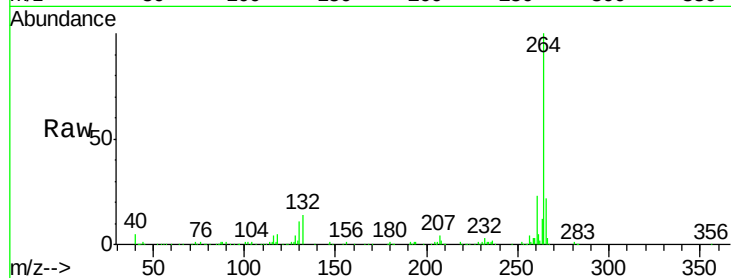




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040059.D
Acq: 21 Mar 2019 7:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.6	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

