

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039600.D
 Acq On : 26 Feb 2019 14:43
 Operator : JU/SJ
 Sample : PB117390BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117390BL

Quant Time: Feb 26 23:57:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49548	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	207909	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	135488	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	353338	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	413814	20.00	ng	-0.03
87) Perylene-d12	25.20	264	409163	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	371841	128.44	ng	0.00
7) Phenol-d6	7.32	99	518665	121.71	ng	0.00
23) Nitrobenzene-d5	9.34	82	303278	91.13	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	196651	134.79	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	751270	79.54	ng	-0.02
79) Terphenyl-d14	20.12	244	1383776	70.78	ng	-0.03

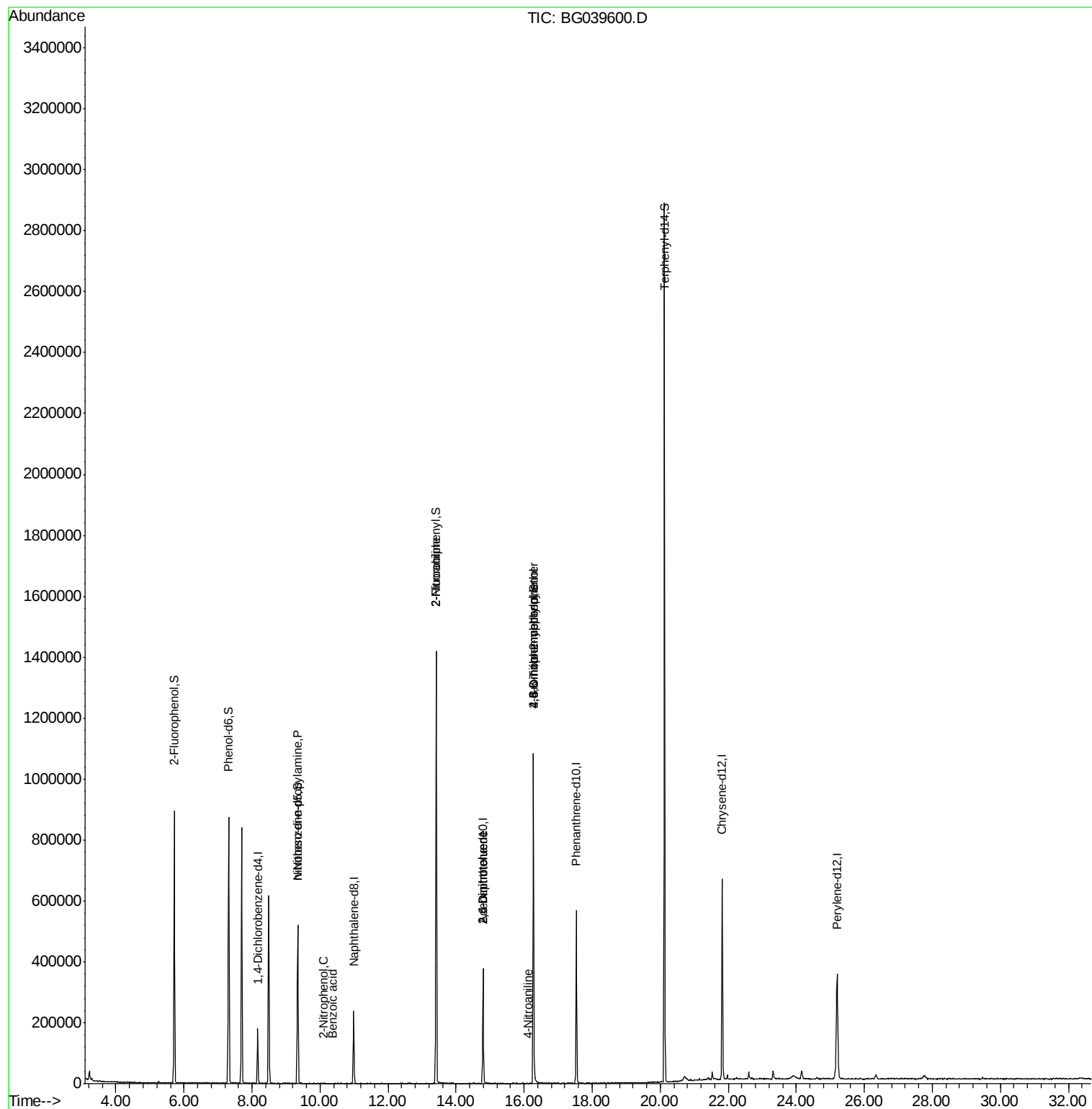
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	694	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	38916	12.867	ng	# 69
26) 2-Nitrophenol	10.11	139	56	4.052	ng	# 31
32) Benzoic acid	10.36	122	61	9.046	ng	# 1
48) 2-Nitroaniline	13.41	65	1034	8.647	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	17519	13.955	ng	# 24
57) 2,4-Dinitrotoluene	14.79	165	17519	13.423	ng	# 20
62) 4-Nitroaniline	16.12	138	65	4.228	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	778	4.881	ng	# 28
67) 4-Bromophenyl-phenylether	16.28	248	15774	4.024	ng	# 1

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

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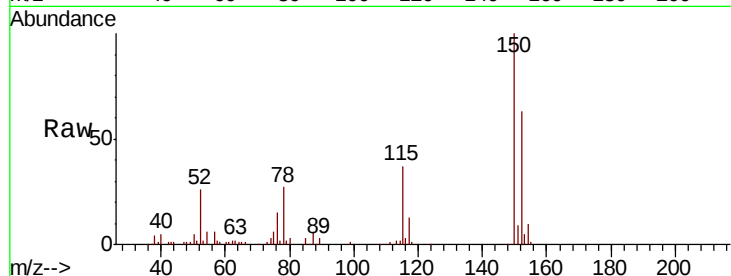


#1

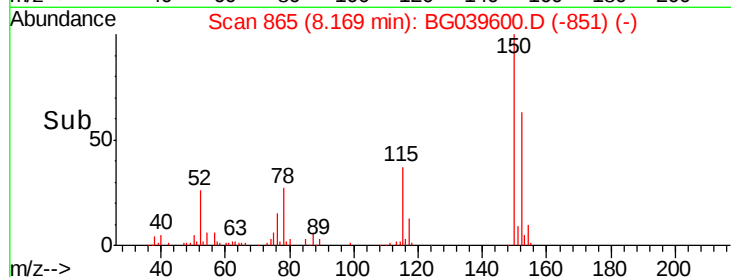
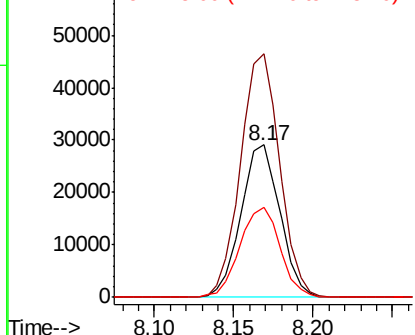
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

Instrument :
 BNA_G
 ClientSampleId :
 PB117390BL

Tgt Ion:152 Resp: 49548
 Ion Ratio Lower Upper
 152 100
 150 159.8 123.7 185.5
 115 59.5 45.9 68.9



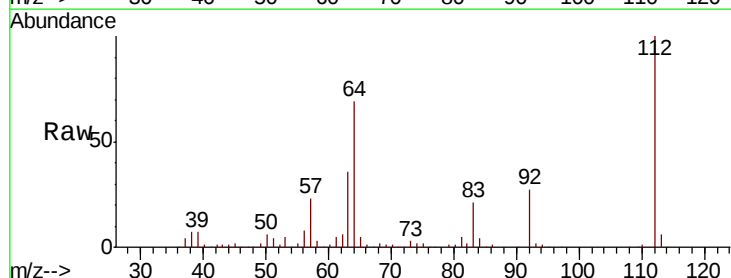
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



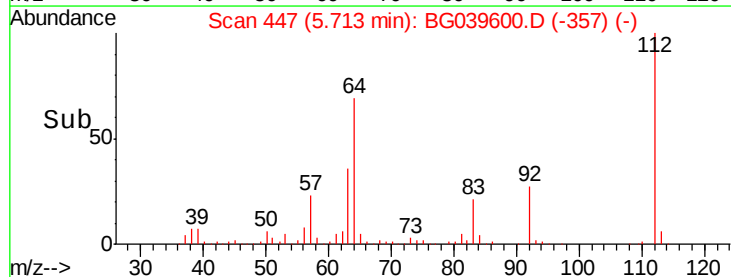
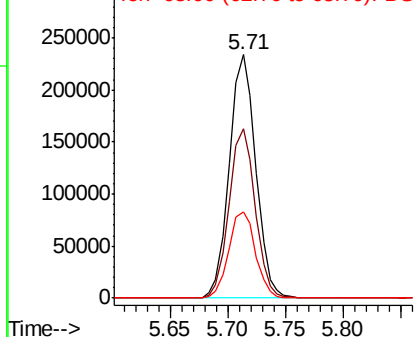
#5

2-Fluorophenol
 Concen: 128.443 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

Tgt Ion:112 Resp: 371841
 Ion Ratio Lower Upper
 112 100
 64 69.3 57.8 86.8
 63 35.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 121.714 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

Instrument :

BNA_G

ClientSampleId :

PB117390BL

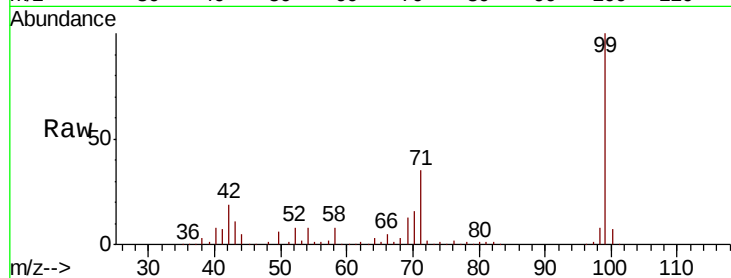
Tgt Ion: 99 Resp: 518665

Ion Ratio Lower Upper

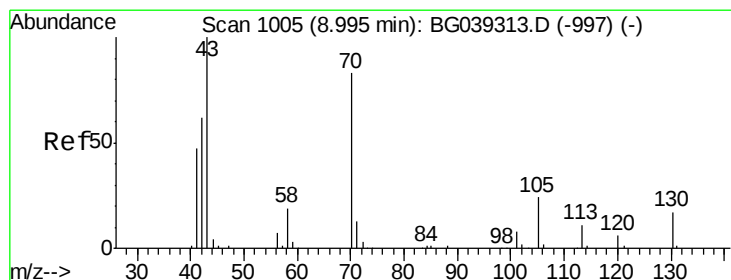
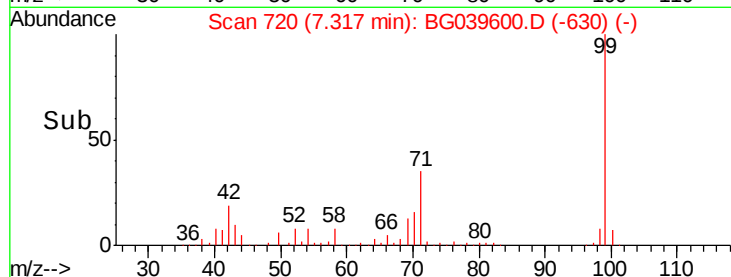
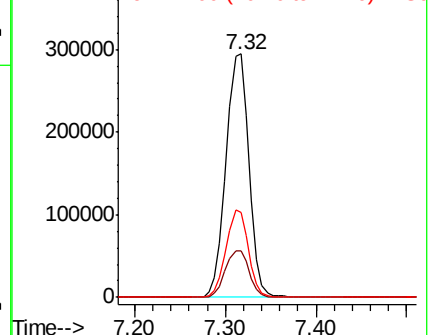
99 100

42 19.0 18.2 27.2

71 35.0 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: 12.867 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

Tgt Ion: 70 Resp: 38916

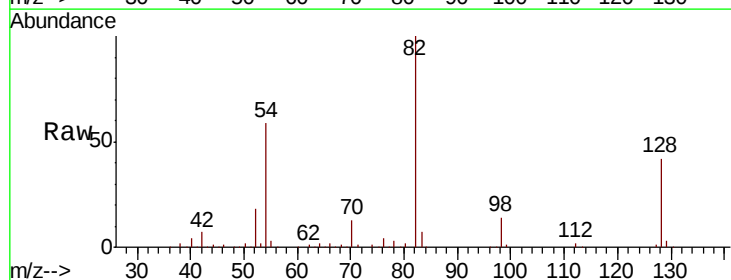
Ion Ratio Lower Upper

70 100

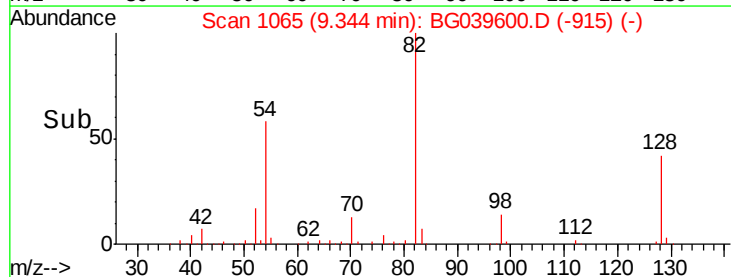
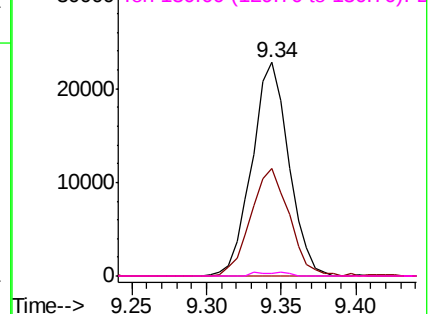
42 50.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.3 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

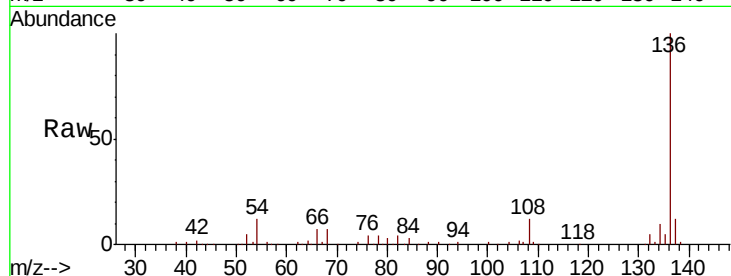




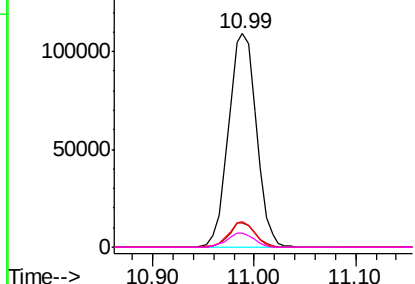
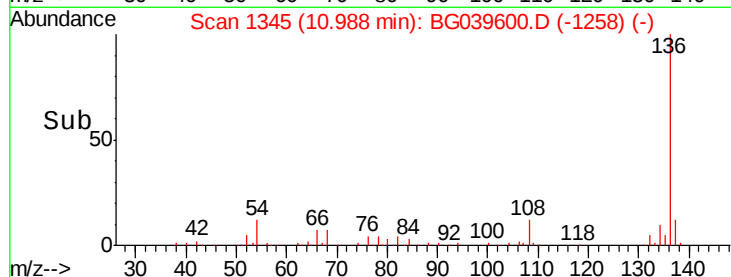
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

Instrument :
BNA_G
ClientSampleId :
PB117390BL

Tgt Ion:	136	Resp:	207909
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.9	9.4	14.2
68	6.6	4.2	6.4#

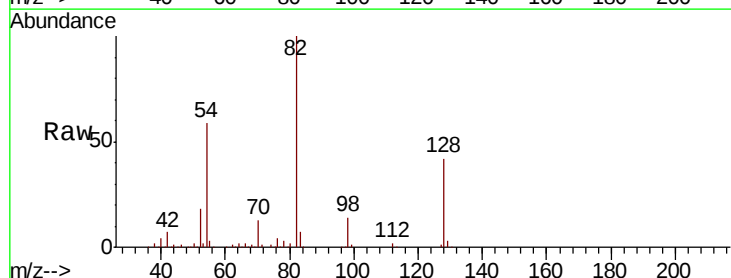


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

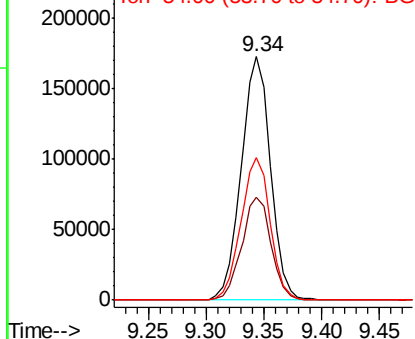
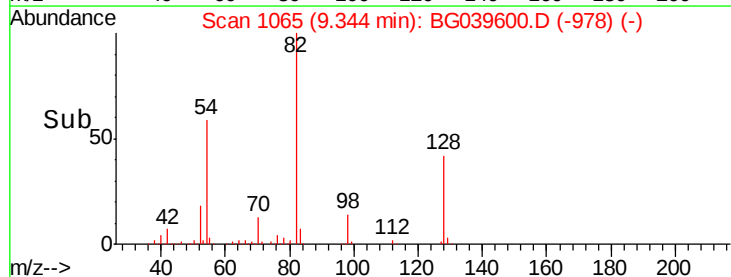


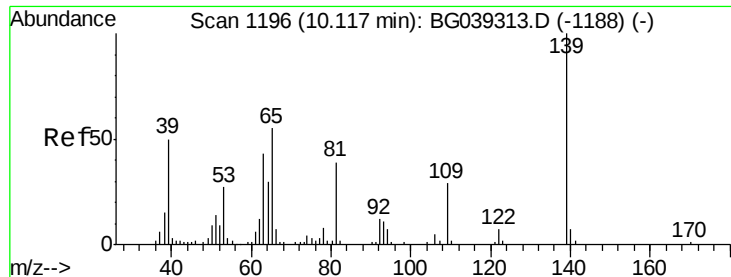
#23
Nitrobenzene-d5
Concen: 91.128 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

Tgt Ion:	82	Resp:	303278
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	58.7	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





#26

2-Nitrophenol

Concen: 4.052 ng

RT: 10.11 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

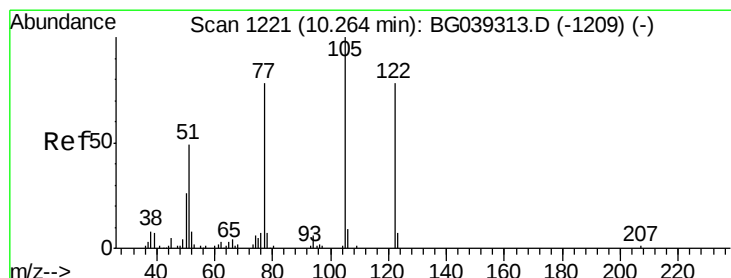
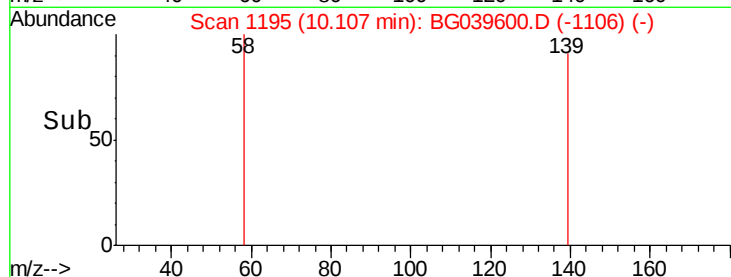
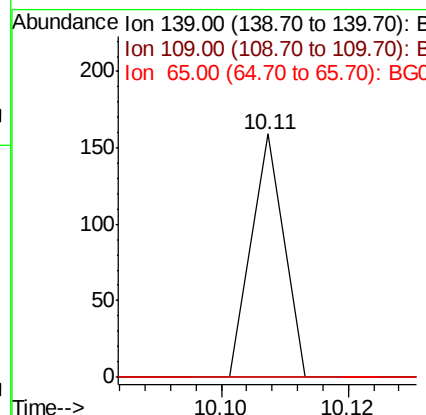
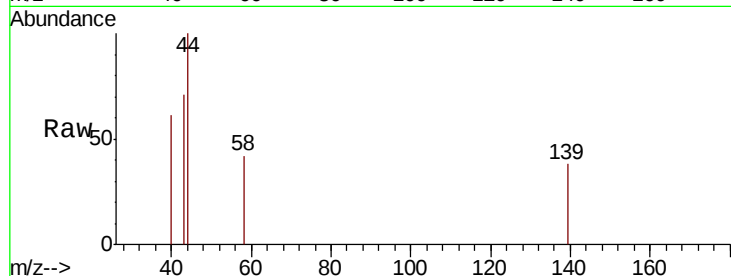
Instrument :

BNA_G

ClientSampleId :

PB117390BL

Tgt Ion:	139	Resp:	56
Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#32

Benzoic acid

Concen: 9.046 ng

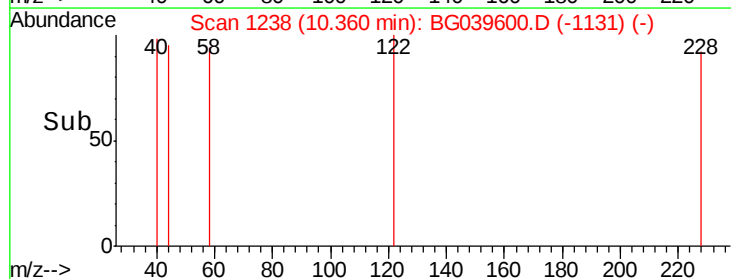
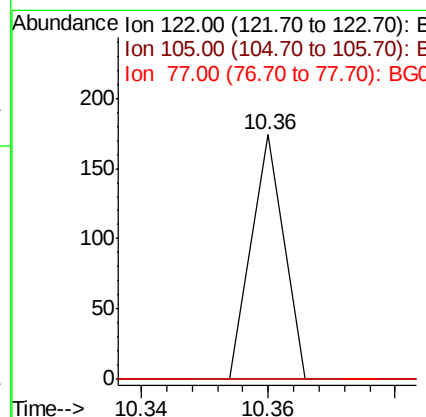
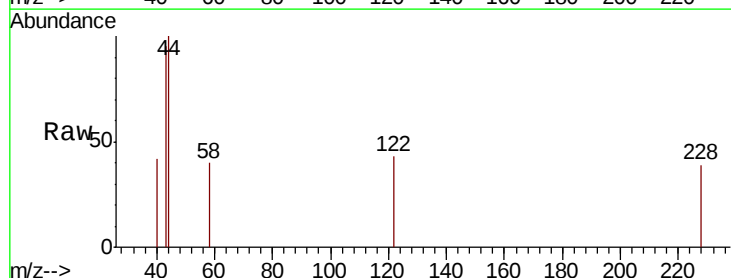
RT: 10.36 min Scan# 1238

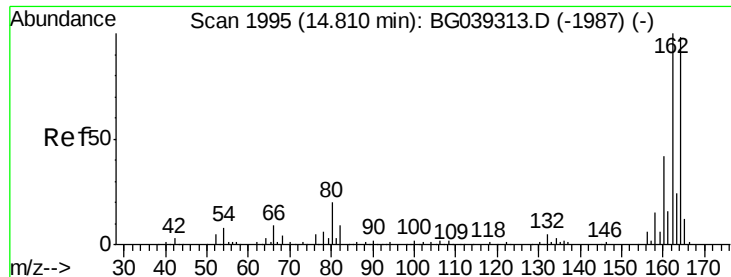
Delta R.T. 0.10 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

Tgt Ion:	122	Resp:	61
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

Instrument :

BNA_G

ClientSampleId :

PB117390BL

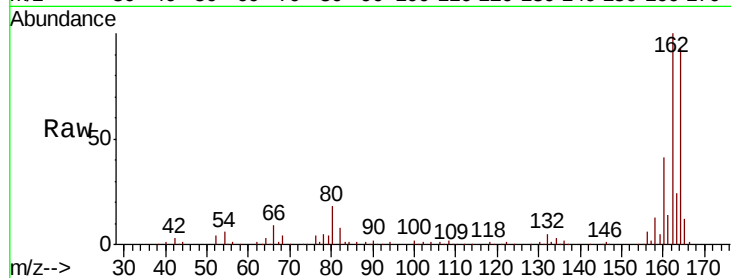
Tgt Ion:164 Resp: 135488

Ion Ratio Lower Upper

164 100

162 107.0 81.6 122.4

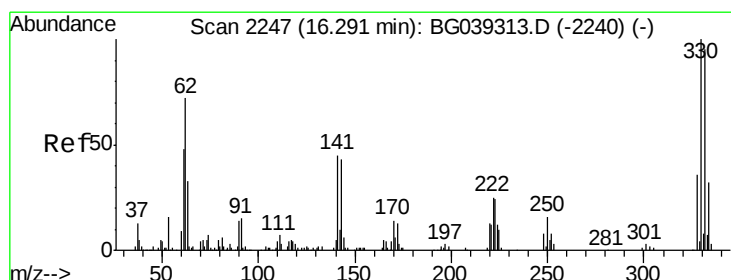
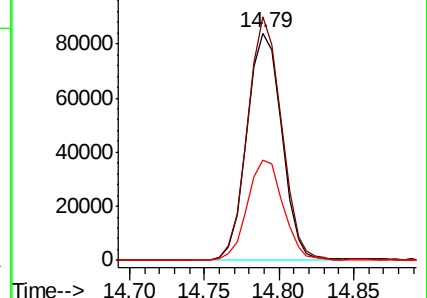
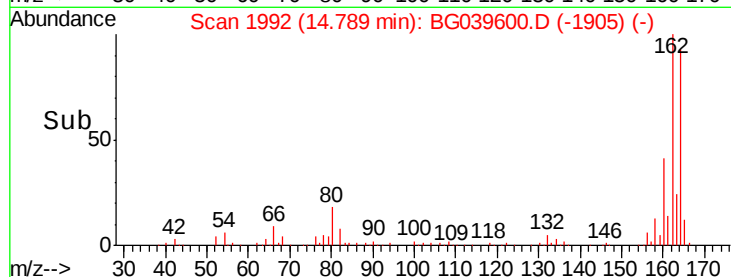
160 43.9 34.2 51.2



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: 134.787 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

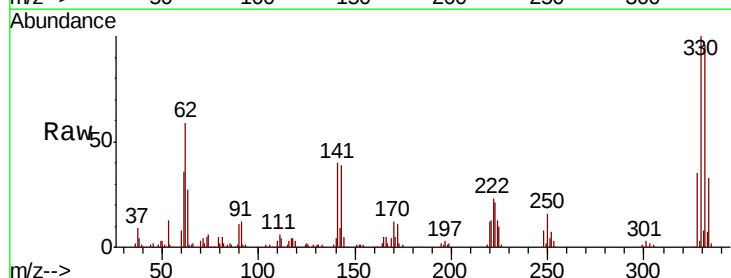
Tgt Ion:330 Resp: 196651

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

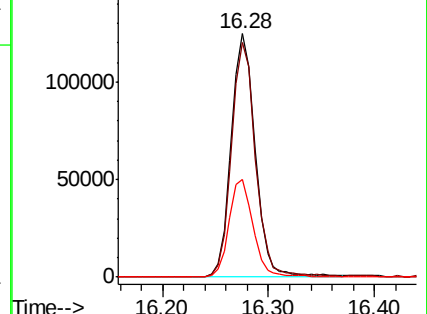
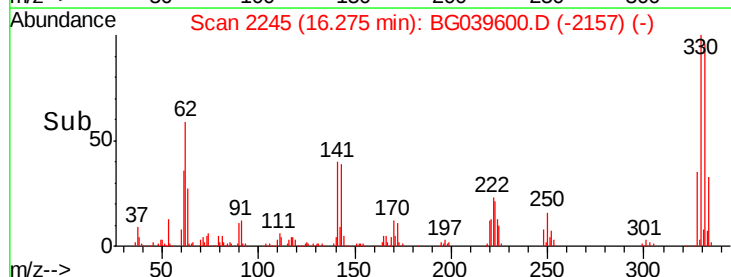
141 40.5 35.6 53.4

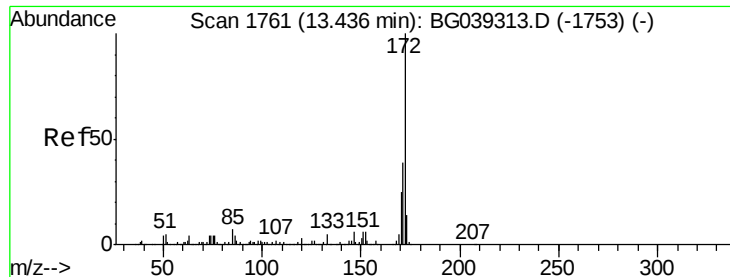


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 79.545 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

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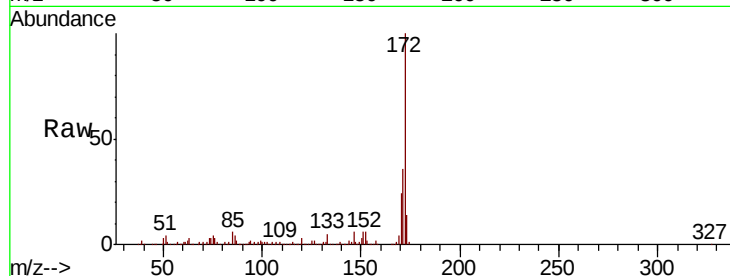
Tgt Ion:172 Resp: 751270

Ion Ratio Lower Upper

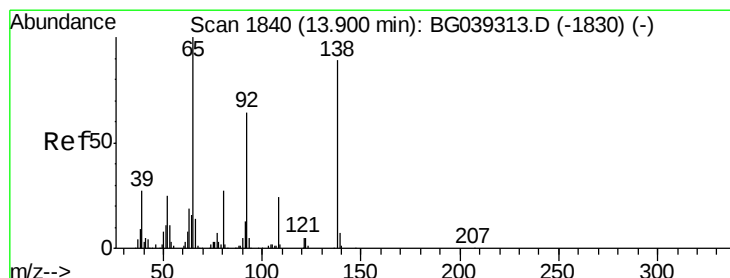
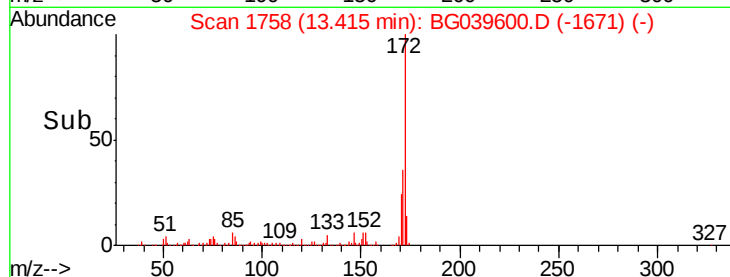
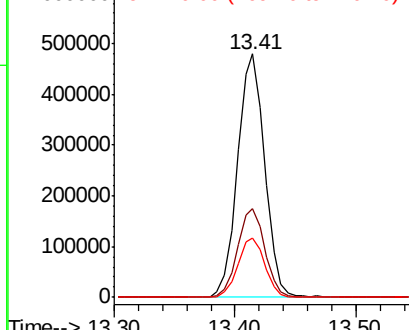
172 100

171 36.3 30.8 46.2

170 24.4 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



#48

2-Nitroaniline

Concen: 8.647 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039600.D

Acq: 26 Feb 2019 14:43

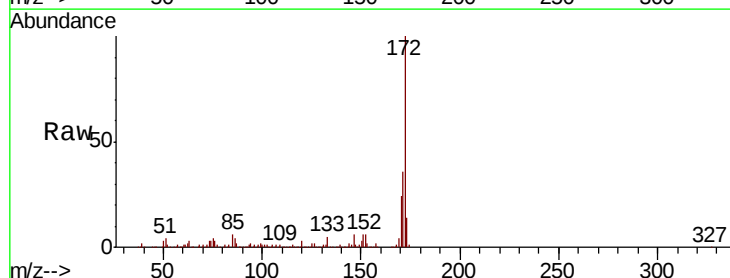
Tgt Ion: 65 Resp: 1034

Ion Ratio Lower Upper

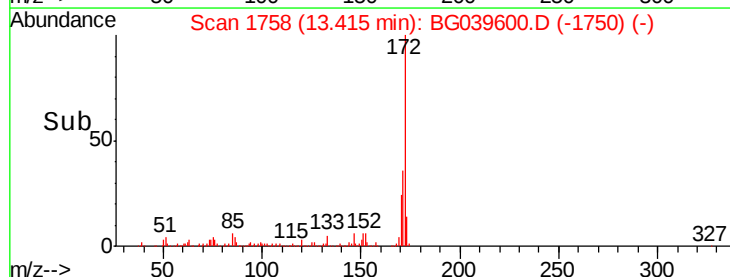
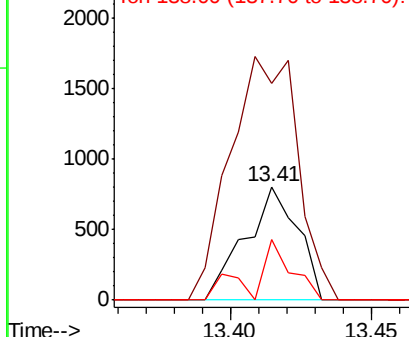
65 100

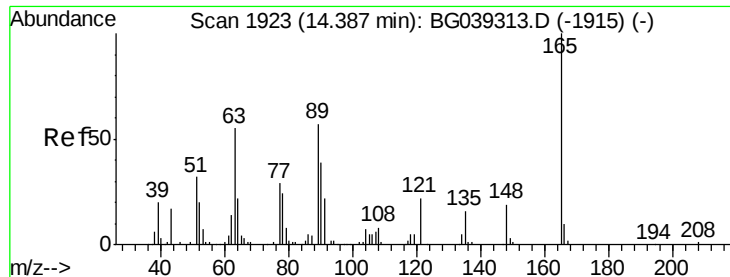
92 191.1 51.4 77.2#

138 53.7 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

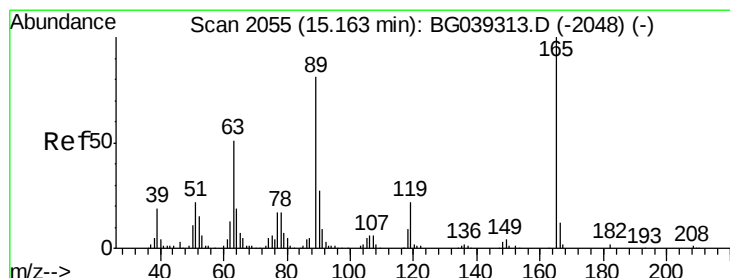
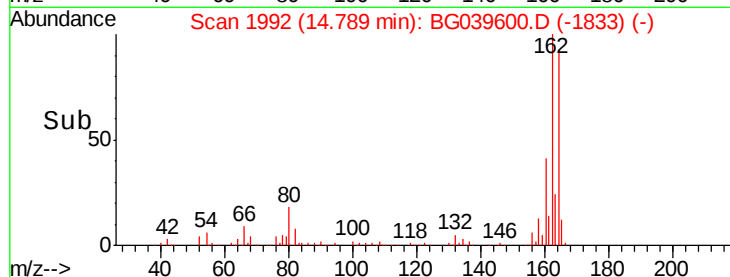
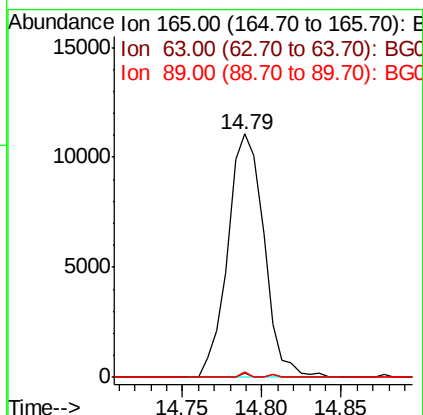
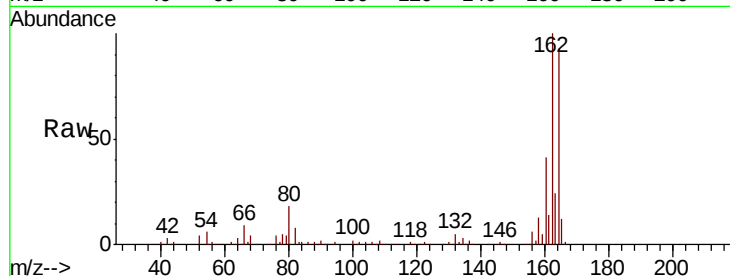




#51
 2,6-Dinitrotoluene
 Concen: 13.955 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

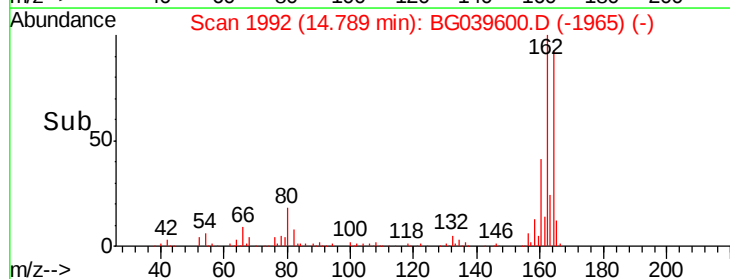
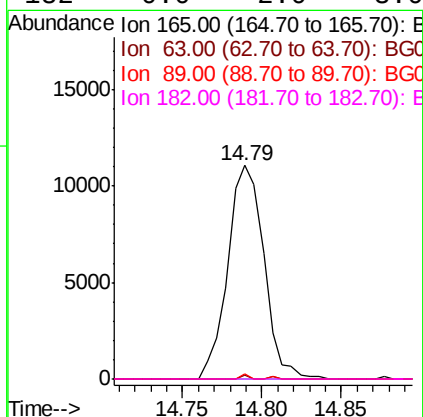
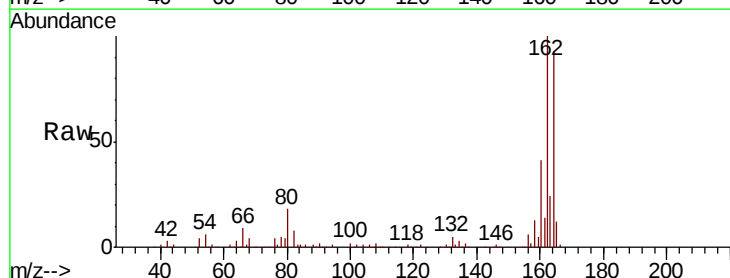
Instrument :
 BNA_G
 ClientSampleId :
 PB117390BL

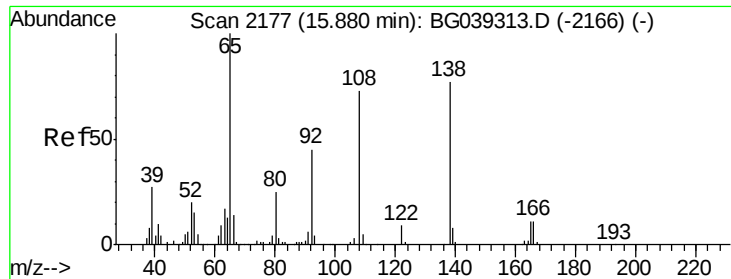
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	2.3	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 13.423 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	2.3	64.6	96.8#
182	0.0	2.0	3.0#

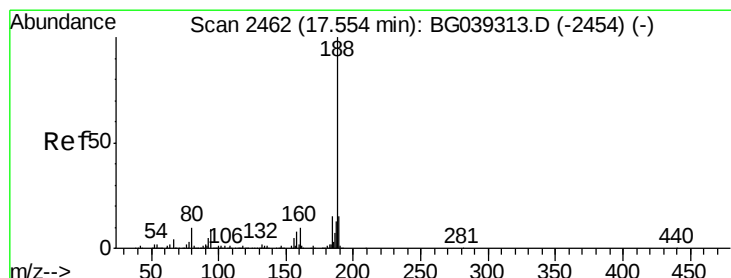
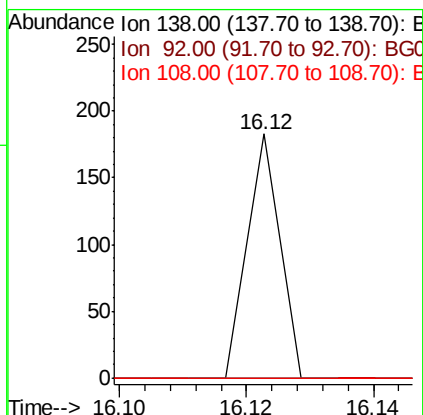
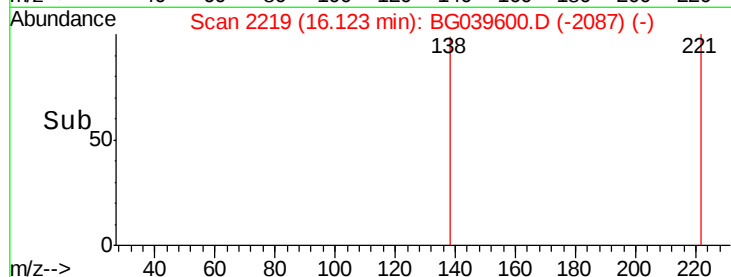
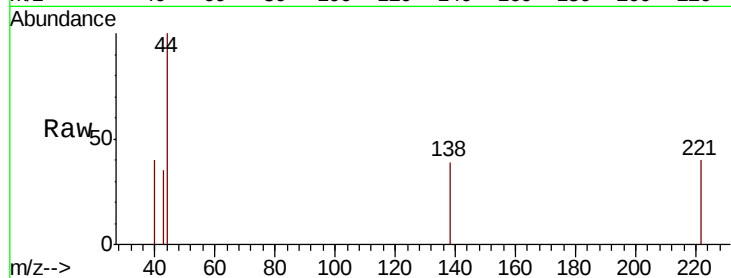




#62
4-Nitroaniline
Concen: 4.228 ng
RT: 16.12 min Scan# 2219
Delta R.T. 0.24 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

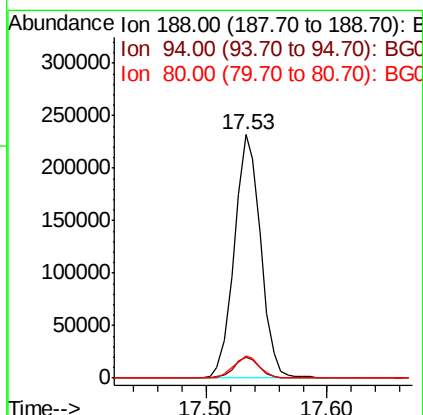
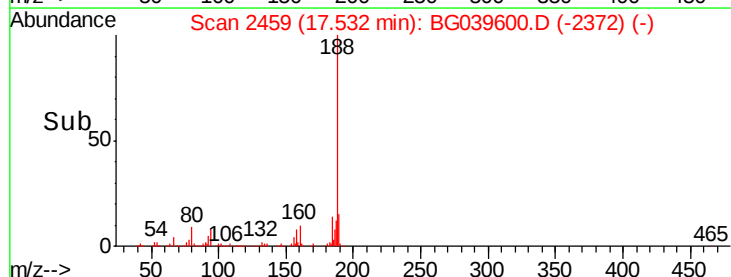
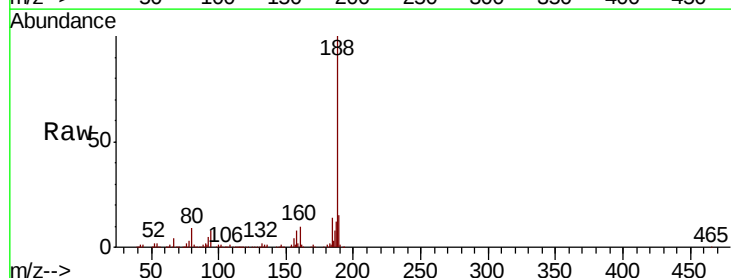
Instrument :
BNA_G
ClientSampleId :
PB117390BL

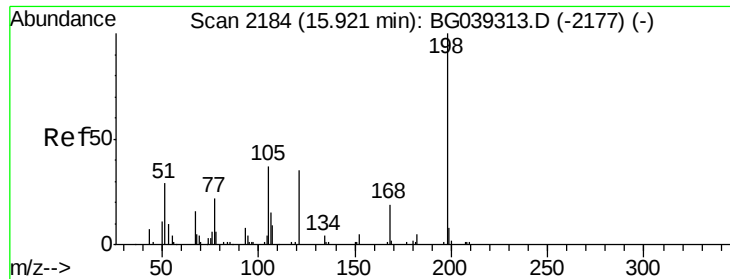
Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

Tgt Ion:188 Resp: 353338
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.3 8.1 12.1

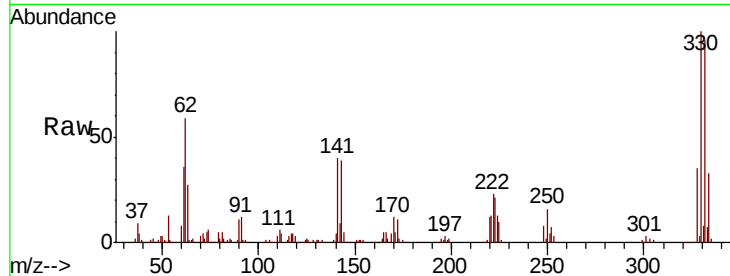




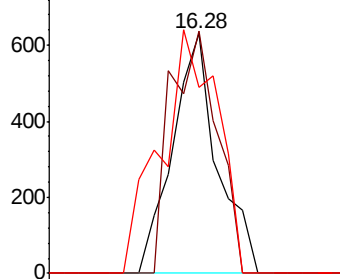
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.881 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

Instrument :
 BNA_G
 ClientSampleId :
 PB117390BL

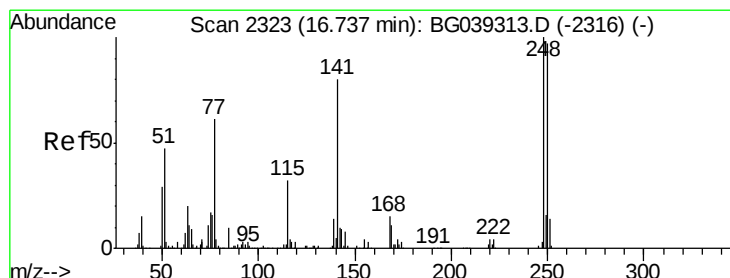
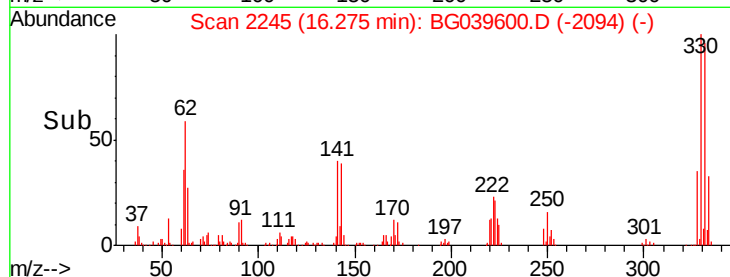
Tgt Ion:198 Resp: 778
 Ion Ratio Lower Upper
 198 100
 51 101.1 27.4 67.4#
 105 77.9 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

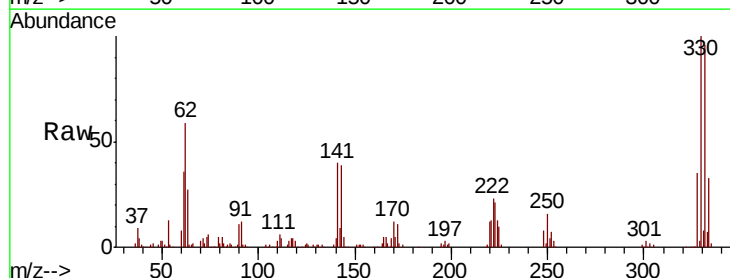


Time-->

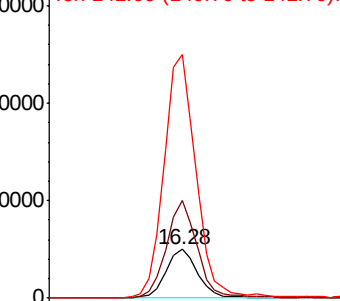


#67
 4-Bromophenyl-phenylether
 Concen: 4.024 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039600.D
 Acq: 26 Feb 2019 14:43

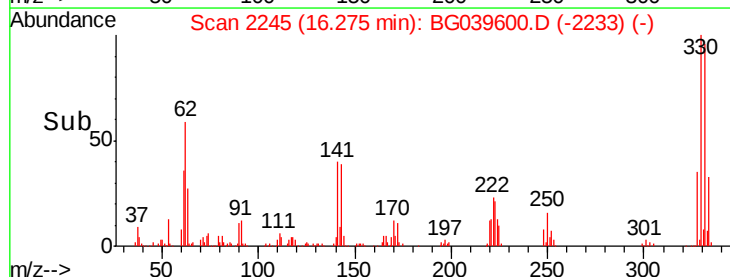
Tgt Ion:248 Resp: 15774
 Ion Ratio Lower Upper
 248 100
 250 199.4 77.6 116.4#
 141 496.7 63.9 95.9#

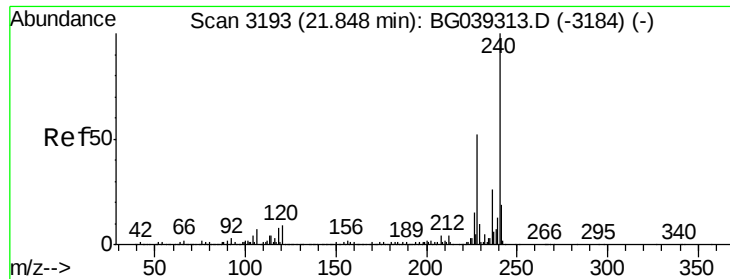


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

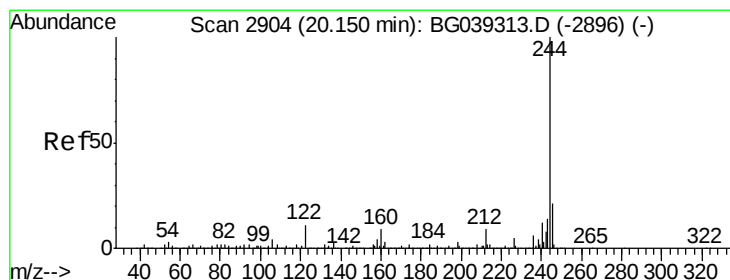
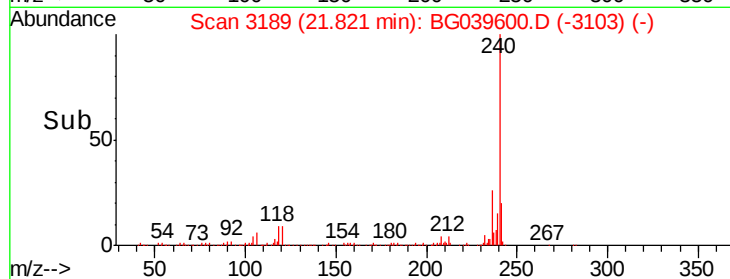
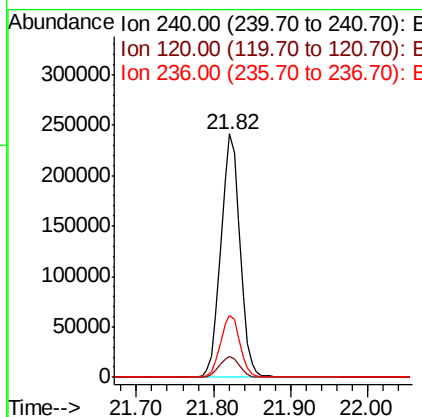
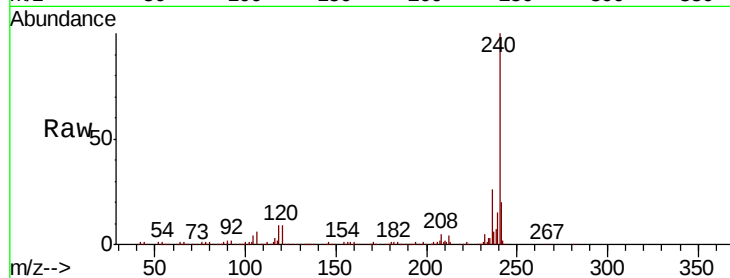




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

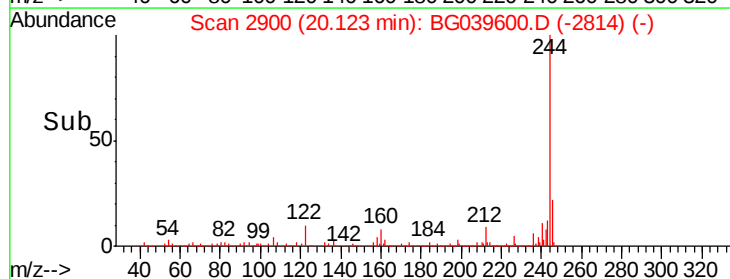
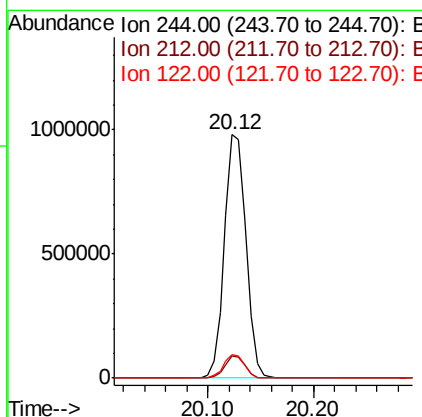
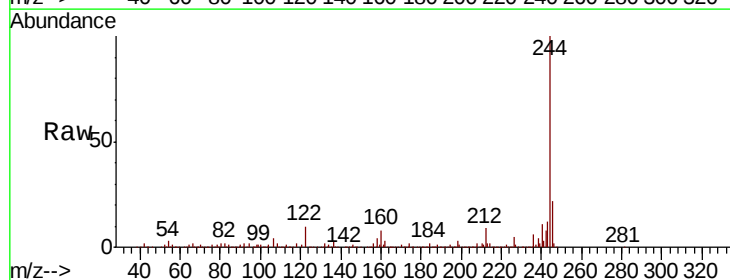
Instrument :
BNA_G
ClientSampleId :
PB117390BL

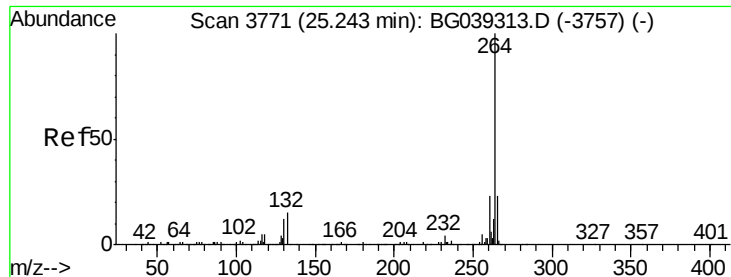
Tgt Ion:240 Resp: 413814
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.6 21.0 31.4



#79
Terphenyl-d14
Concen: 70.781 ng
RT: 20.12 min Scan# 2900
Delta R.T. -0.03 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

Tgt Ion:244 Resp: 1383776
Ion Ratio Lower Upper
244 100
212 9.0 7.3 10.9
122 9.7 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039600.D
Acq: 26 Feb 2019 14:43

Instrument :
BNA_G
ClientSampleId :
PB117390BL

Tgt Ion:	264	Resp:	409163
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.4	18.5	27.7

