

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039471.D
 Acq On : 12 Feb 2019 19:53
 Operator : JU/SJ
 Sample : PB117058BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117058BL

Quant Time: Feb 13 00:35:21 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	44544	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	195460	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	142715	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	361108	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	360977	20.00	ng	-0.02
87) Perylene-d12	25.21	264	357973	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	373570	143.54	ng	0.00
7) Phenol-d6	7.32	99	552401	144.19	ng	0.00
23) Nitrobenzene-d5	9.35	82	316510	101.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	245149	159.52	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	833298	83.76	ng	-0.02
79) Terphenyl-d14	20.13	244	1366067	80.10	ng	-0.02

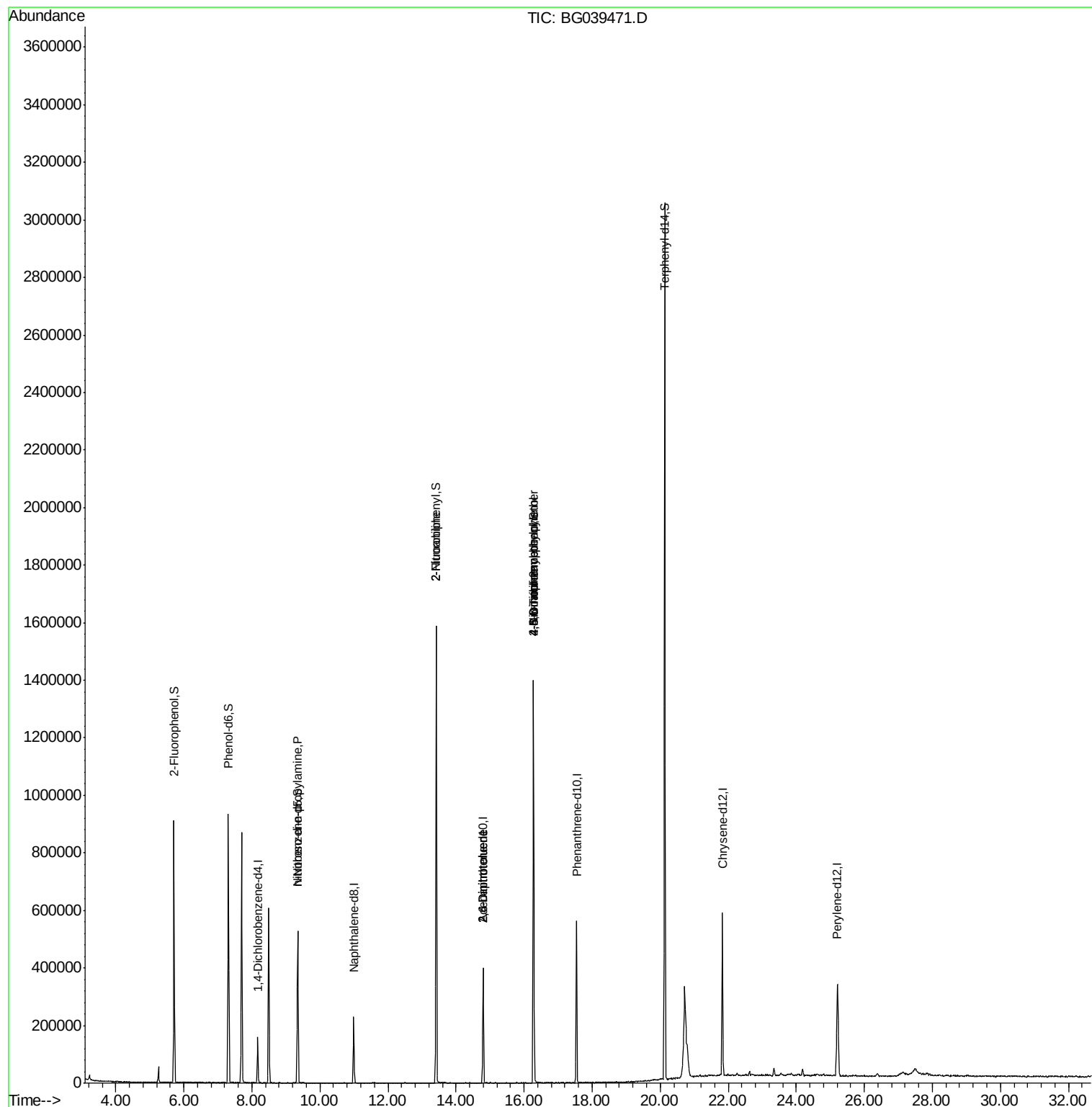
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	1091	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	41925	15.419	ng	# 67
48) 2-Nitroaniline	13.42	65	1436	8.759	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	17570	13.601	ng	# 23
57) 2,4-Dinitrotoluene	14.79	165	17570	13.155	ng	# 18
62) 4-Nitroaniline	16.28	138	76	4.231	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	915	4.987	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	18798	4.692	ng	# 1

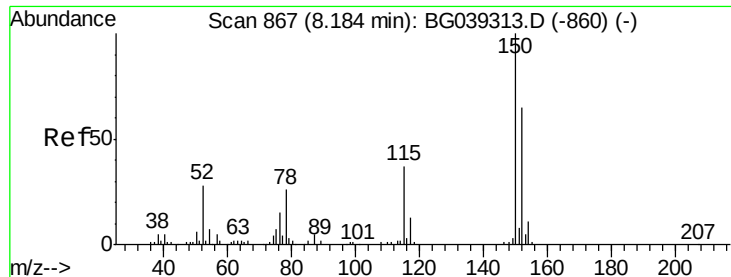
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.01 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

Instrument :

BNA_G

ClientSampleId :

PB117058BL

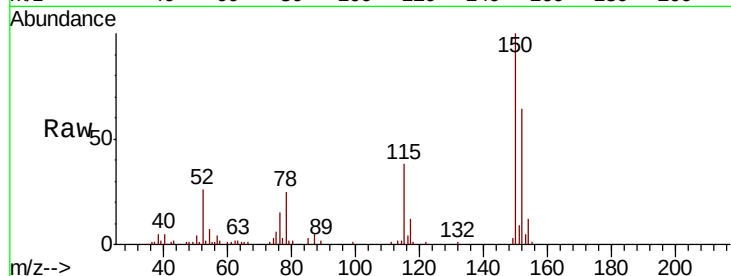
Tgt Ion:152 Resp: 44544

Ion Ratio Lower Upper

152 100

150 155.6 123.7 185.5

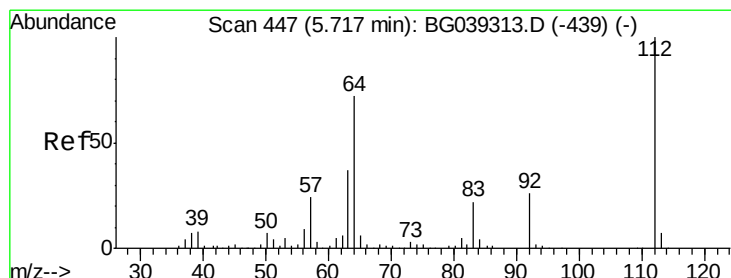
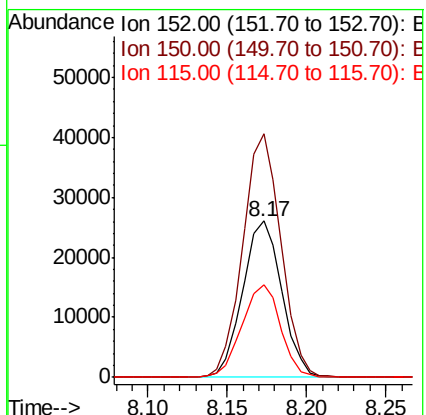
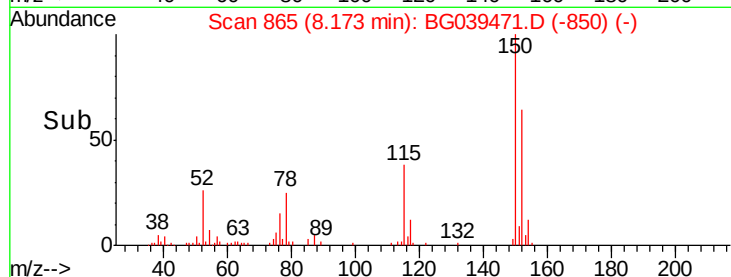
115 59.0 45.9 68.9



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: 143.536 ng

RT: 5.71 min Scan# 446

Delta R.T. -0.01 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

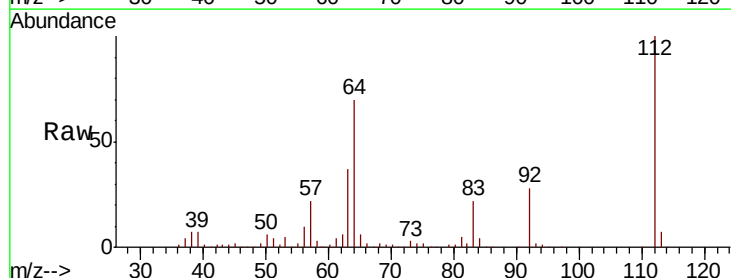
Tgt Ion:112 Resp: 373570

Ion Ratio Lower Upper

112 100

64 70.2 57.8 86.8

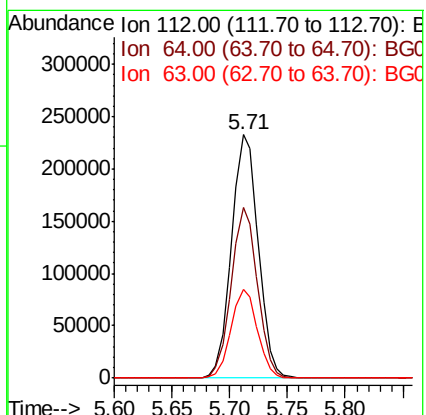
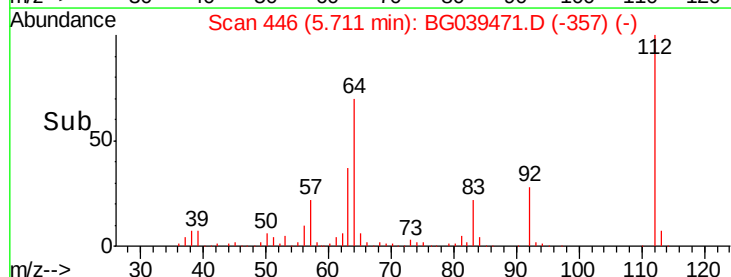
63 36.5 29.8 44.6

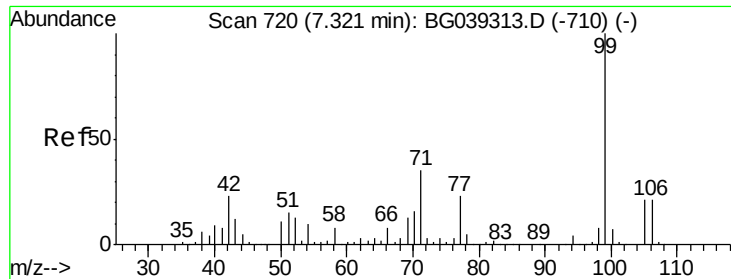


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 144.193 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

Instrument :

BNA_G

ClientSampleId :

PB117058BL

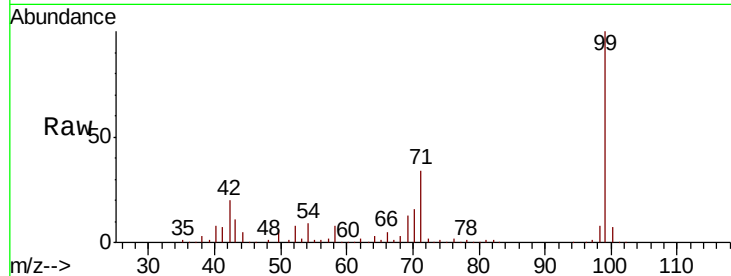
Tgt Ion: 99 Resp: 552401

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 34.5 28.0 42.0

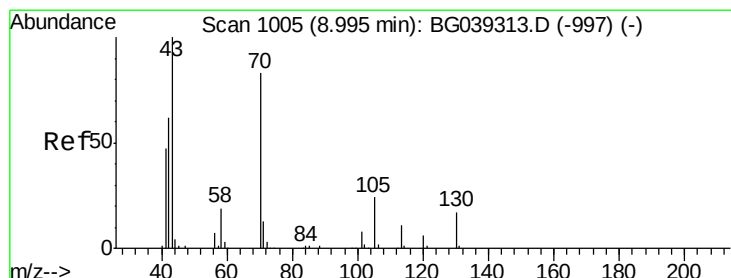
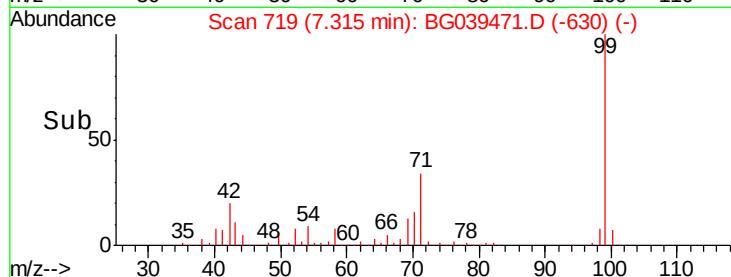
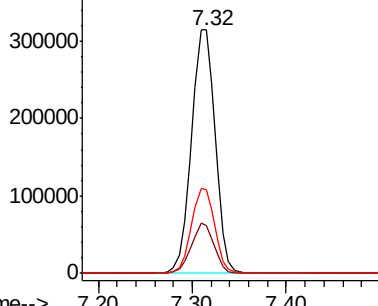


Abundance

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: 15.419 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

Tgt Ion: 70 Resp: 41925

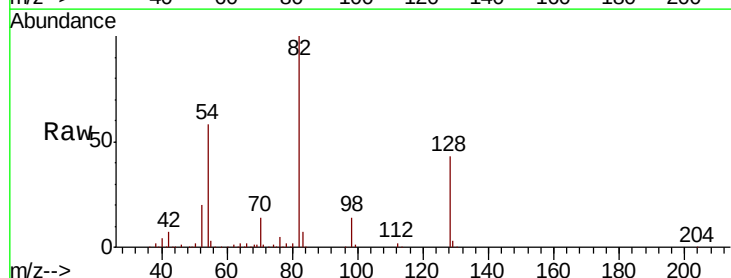
Ion Ratio Lower Upper

70 100

42 48.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#



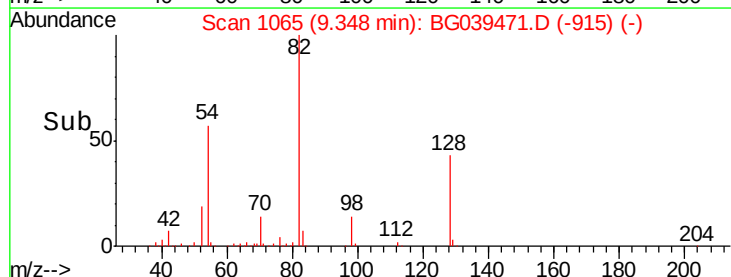
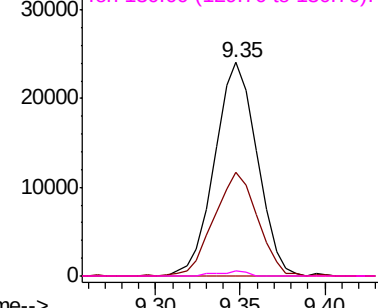
Abundance

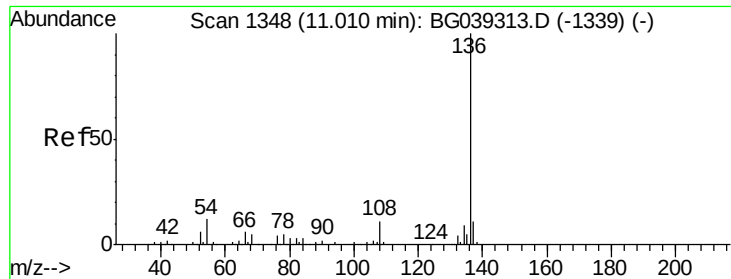
Ion 70.00 (69.70 to 70.70): BGC

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

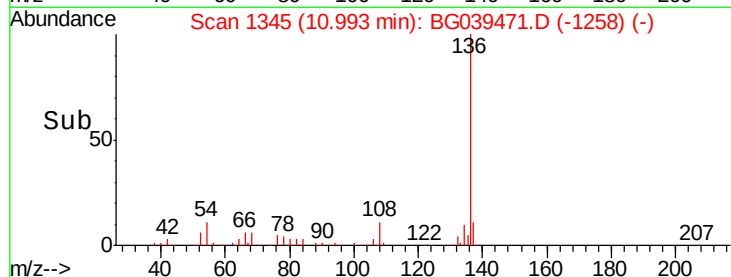
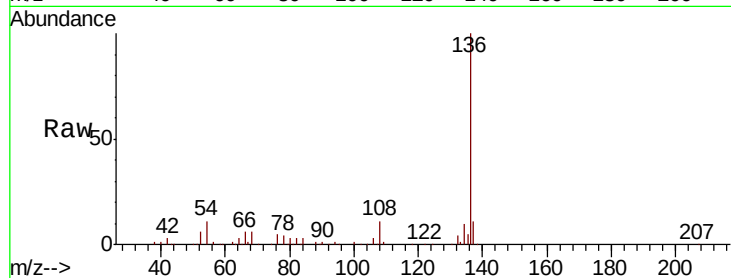




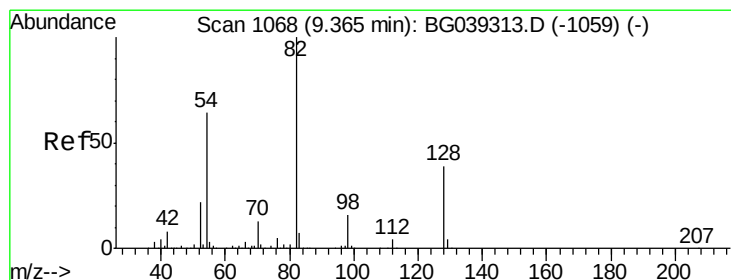
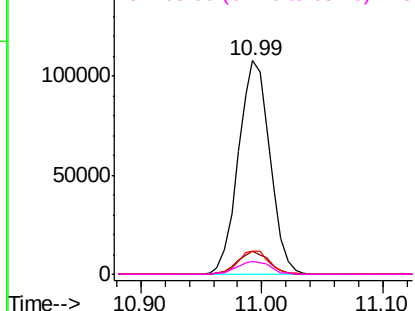
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

Instrument :
BNA_G
ClientSampleId :
PB117058BL

Tgt Ion:	136	Resp:	195460
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.7	9.4	14.2
68	6.1	4.2	6.4

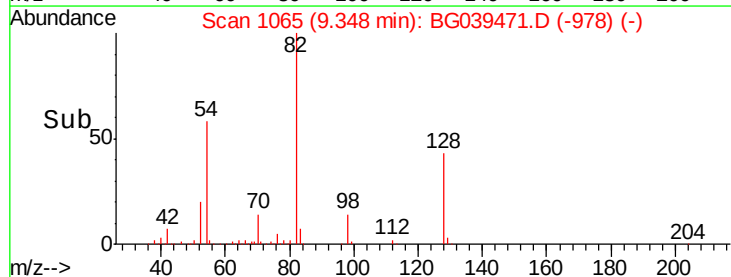
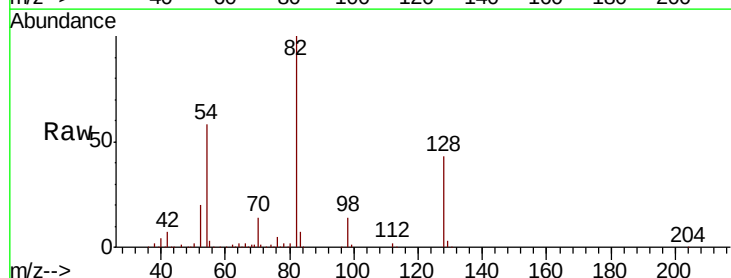


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

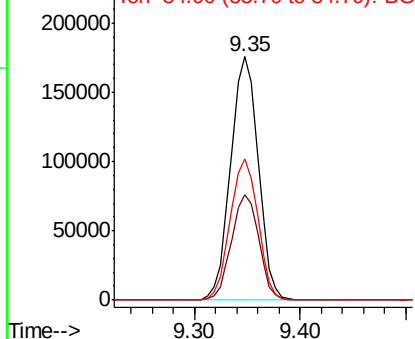


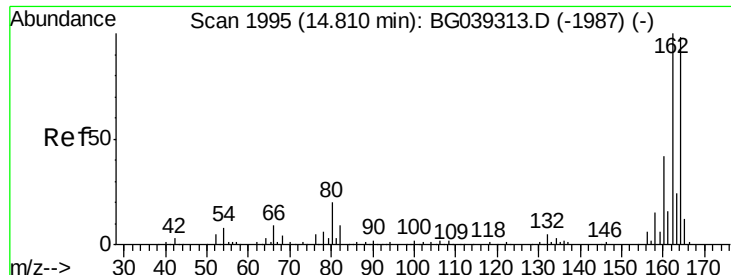
#23
Nitrobenzene-d5
Concen: 101.161 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

Tgt Ion:	82	Resp:	316510
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	57.8	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: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

Instrument :

BNA_G

ClientSampleId :

PB117058BL

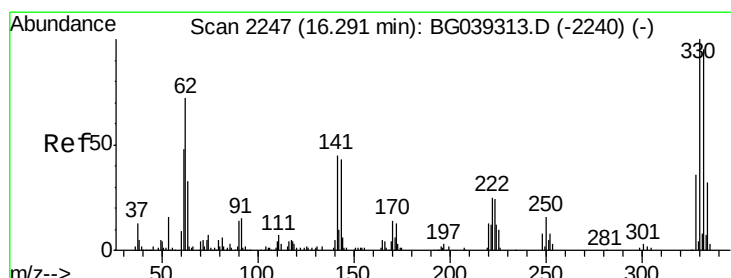
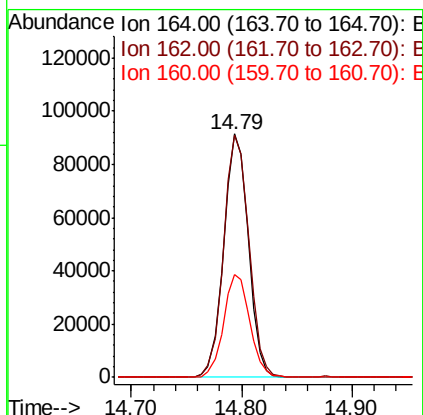
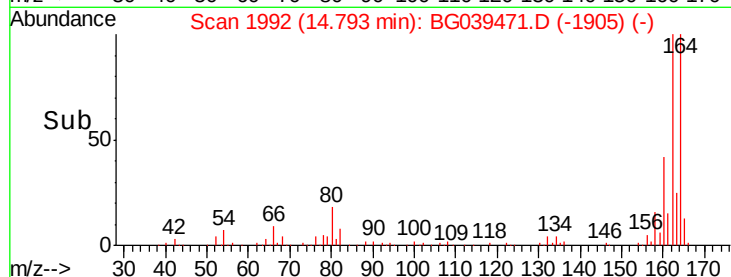
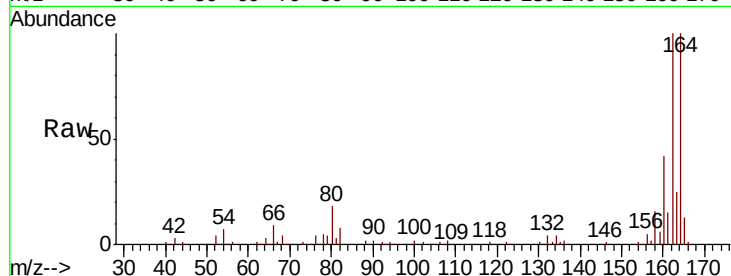
Tgt Ion:164 Resp: 142715

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

160 42.3 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 159.520 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

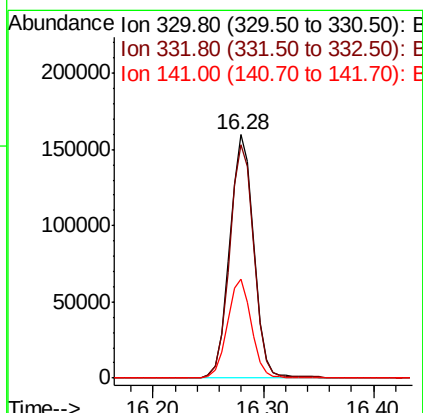
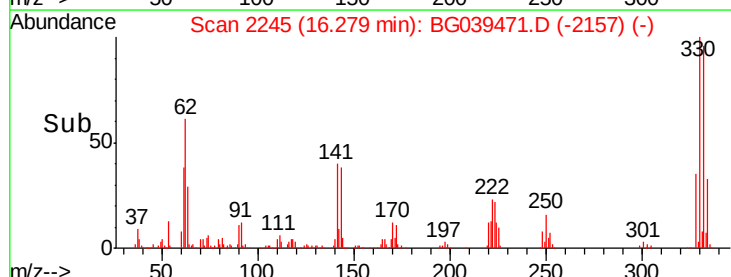
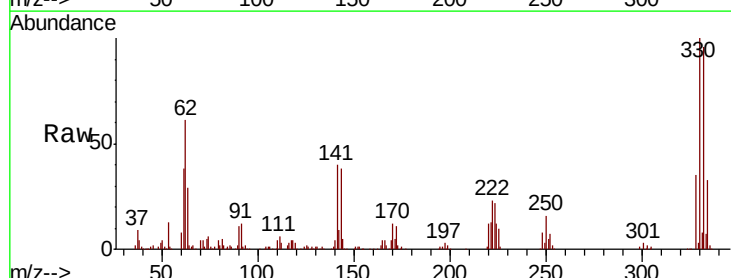
Tgt Ion:330 Resp: 245149

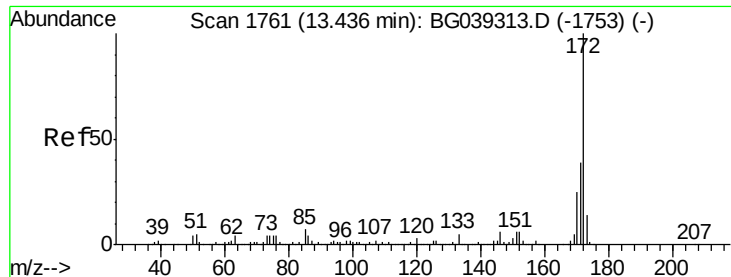
Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

141 40.4 35.6 53.4

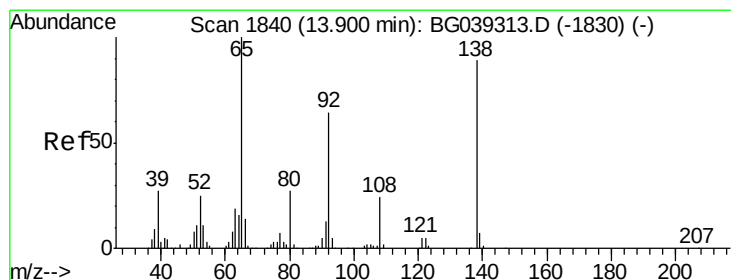
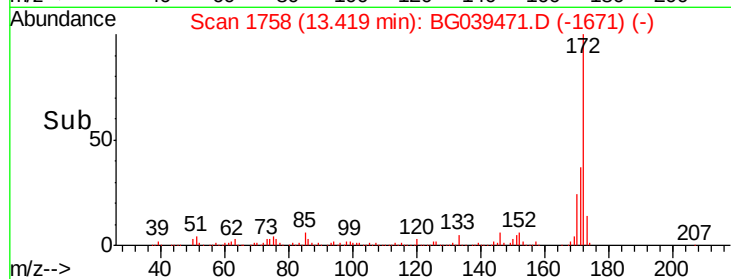
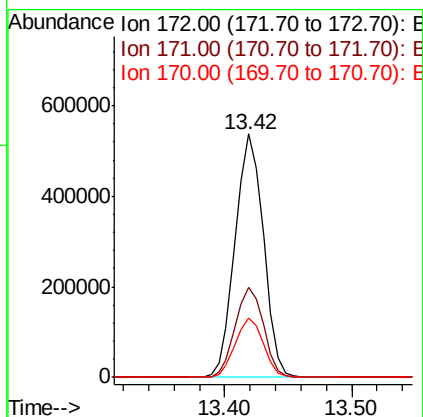
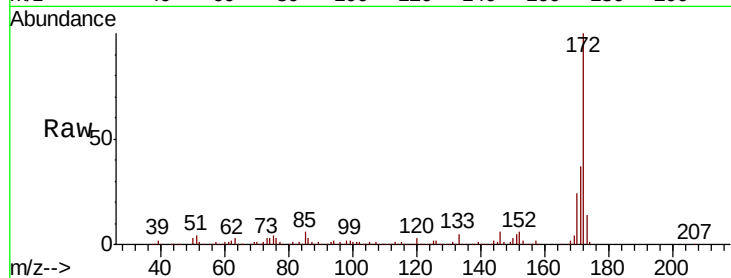




#45
2-Fluorobiphenyl
Concen: 83.762 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

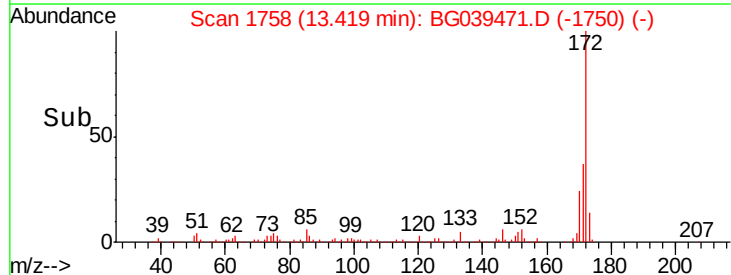
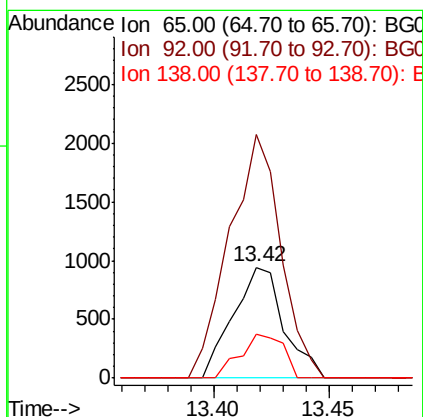
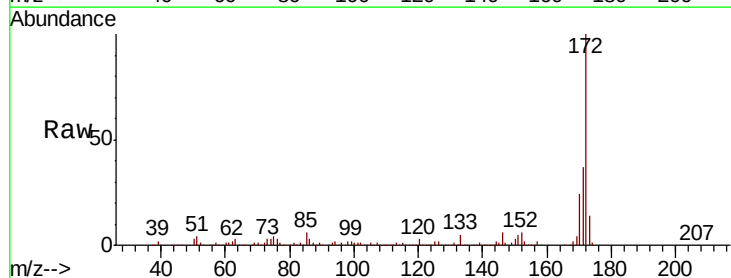
Instrument :
BNA_G
ClientSampleId :
PB117058BL

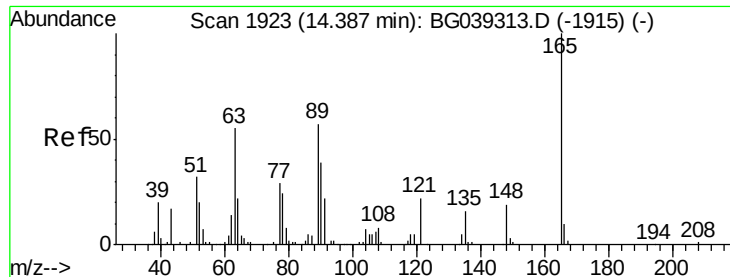
Tgt Ion:172 Resp: 833298
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 24.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.759 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

Tgt Ion: 65 Resp: 1436
Ion Ratio Lower Upper
65 100
92 219.3 51.4 77.2#
138 40.0 71.4 107.2#

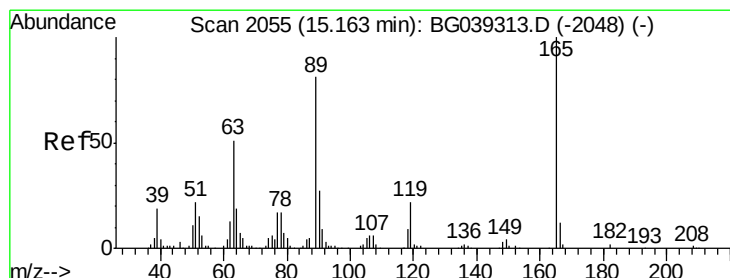
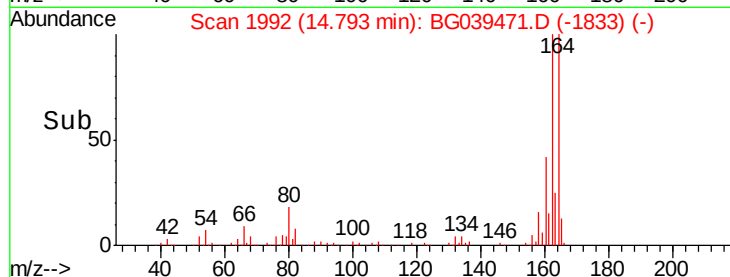
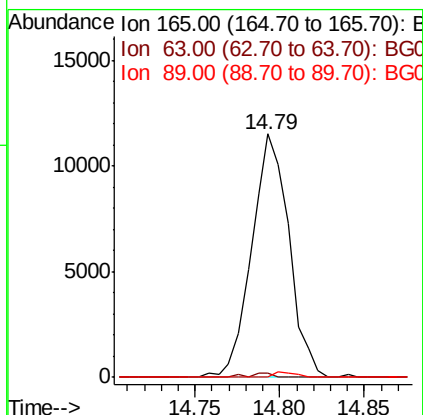
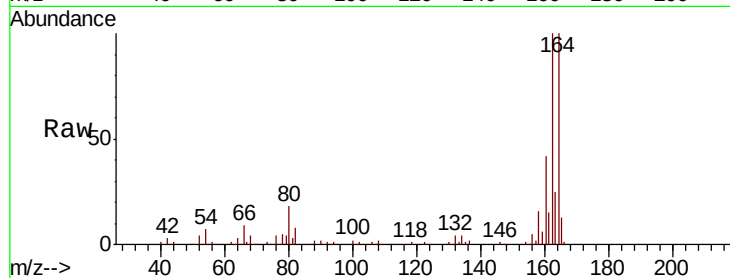




#51
 2,6-Dinitrotoluene
 Concen: 13.601 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039471.D
 Acq: 12 Feb 2019 19:53

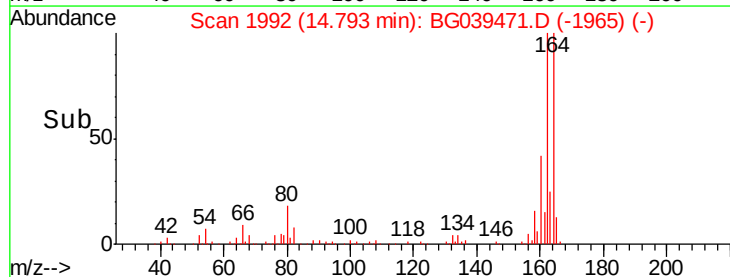
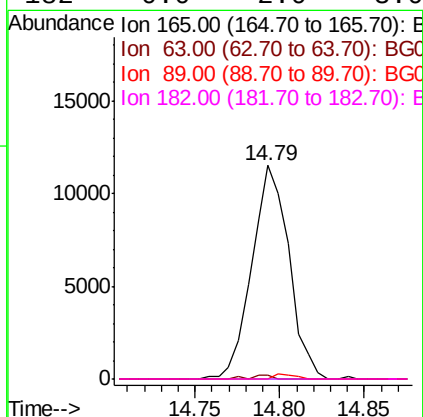
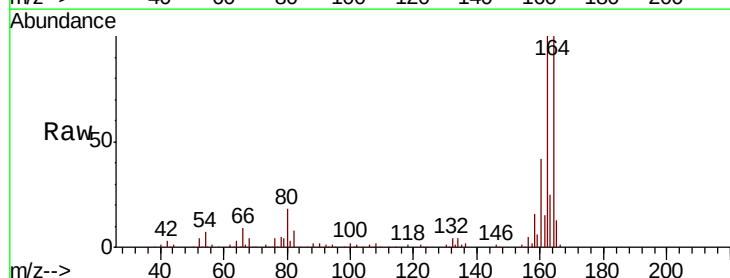
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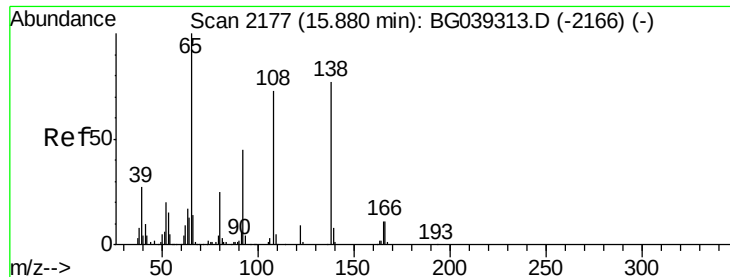
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	47.0	70.6#
89	0.0	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 13.155 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039471.D
 Acq: 12 Feb 2019 19:53

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





#62

4-Nitroaniline

Concen: 4.231 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.40 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

Instrument :

BNA_G

ClientSampleId :

PB117058BL

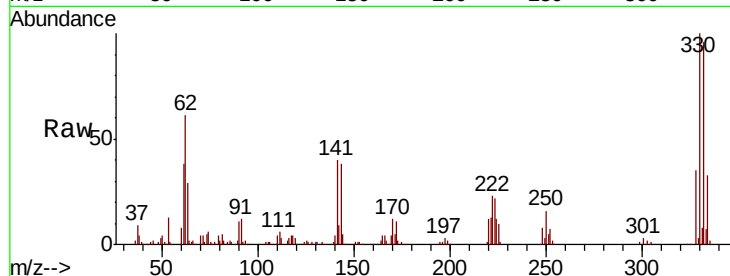
Tgt Ion:138 Resp: 76

Ion Ratio Lower Upper

138 100

92 925.1 38.7 78.7#

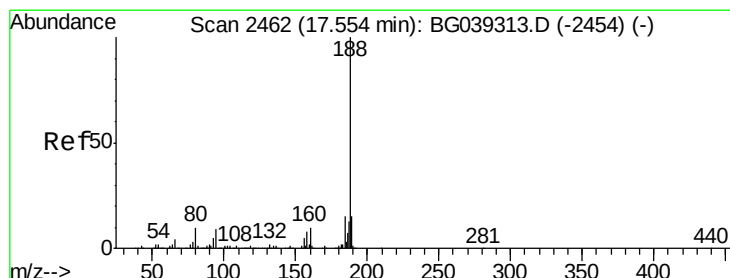
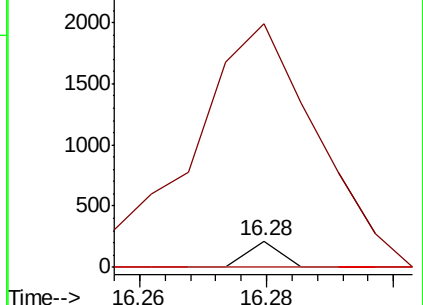
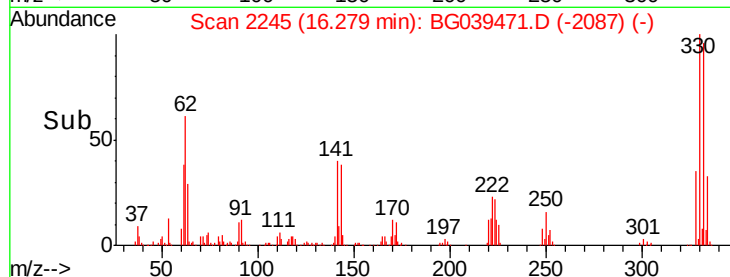
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039471.D

Acq: 12 Feb 2019 19:53

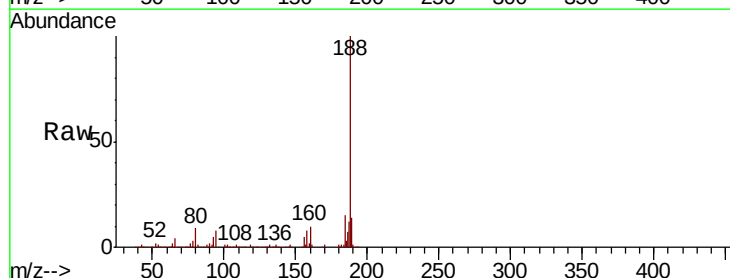
Tgt Ion:188 Resp: 361108

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

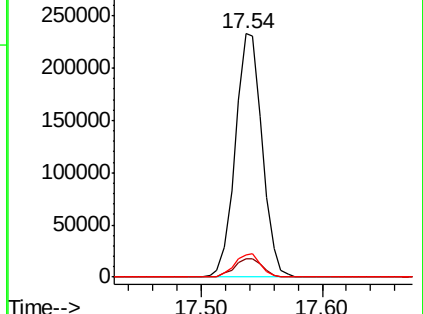
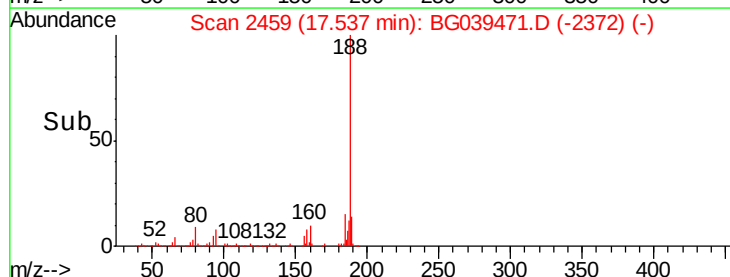
80 9.1 8.1 12.1

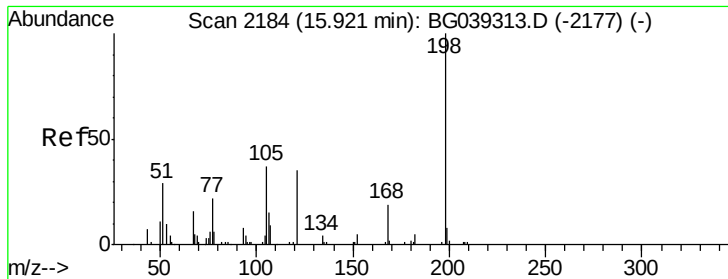


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

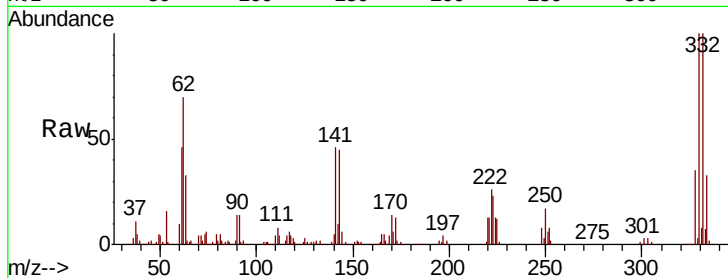




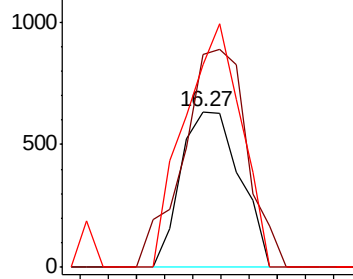
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.987 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039471.D
 Acq: 12 Feb 2019 19:53

Instrument :
 BNA_G
 ClientSampleId :
 PB117058BL

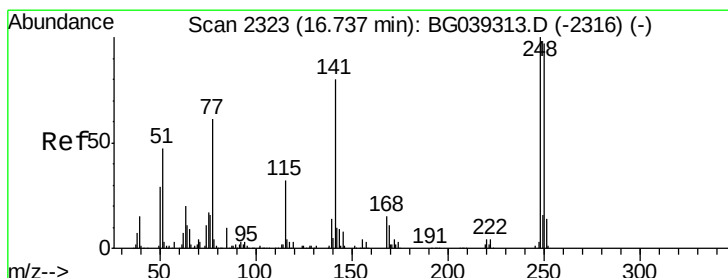
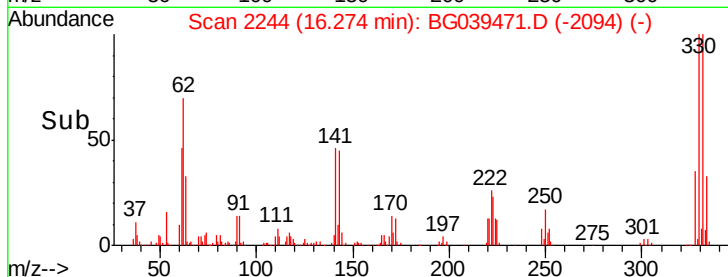
Tgt Ion:198 Resp: 915
 Ion Ratio Lower Upper
 198 100
 51 136.4 27.4 67.4#
 105 130.0 19.7 59.7#



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

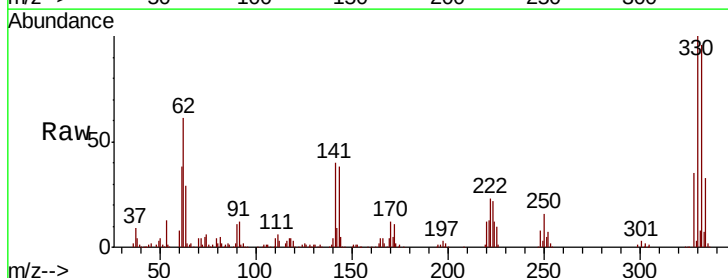


Time-->

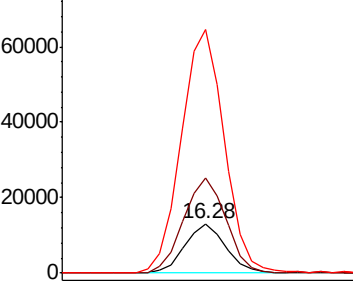


#67
 4-Bromophenyl-phenylether
 Concen: 4.692 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039471.D
 Acq: 12 Feb 2019 19:53

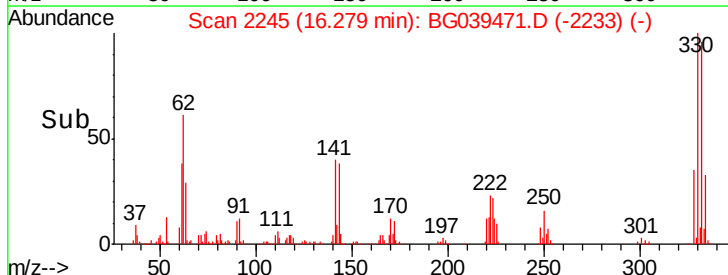
Tgt Ion:248 Resp: 18798
 Ion Ratio Lower Upper
 248 100
 250 193.6 77.6 116.4#
 141 495.2 63.9 95.9#

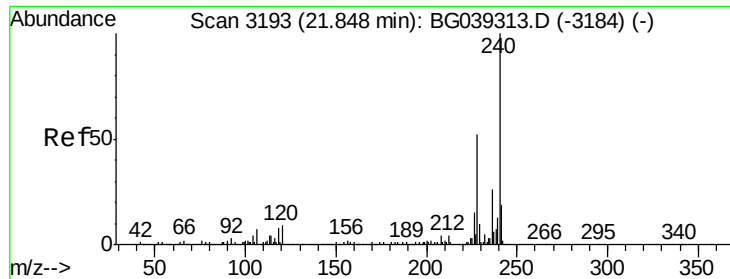


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

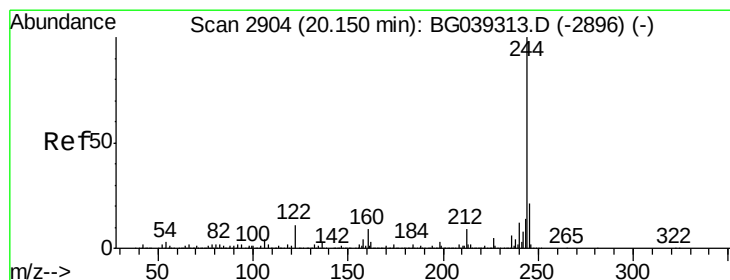
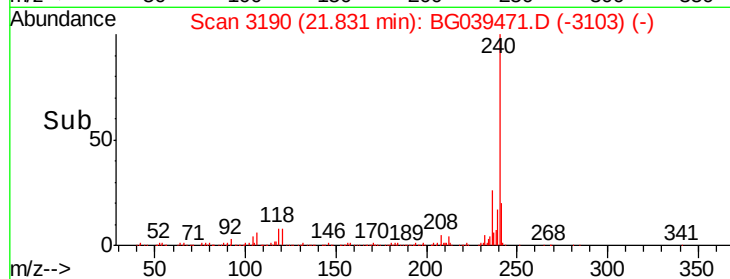
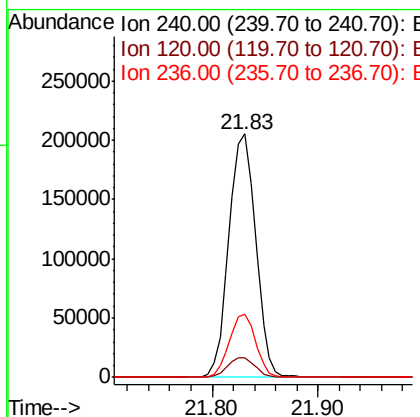
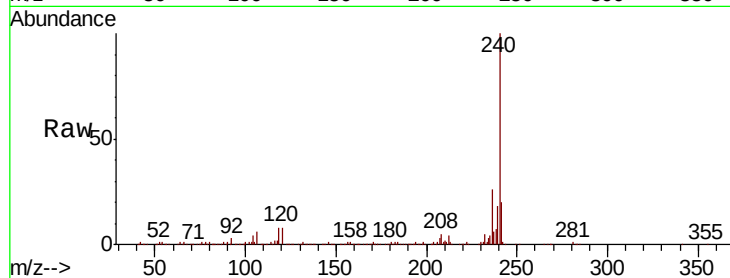




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

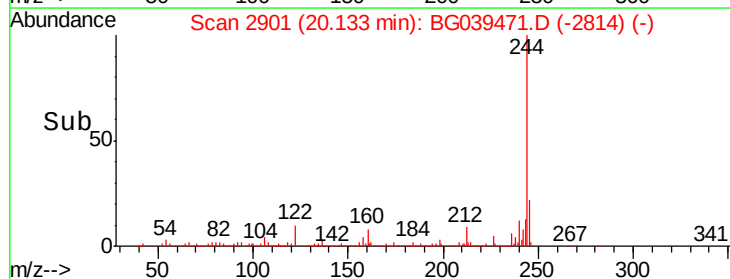
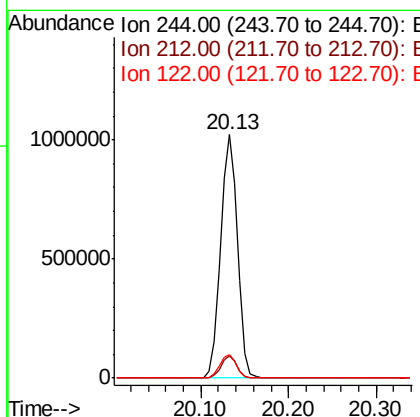
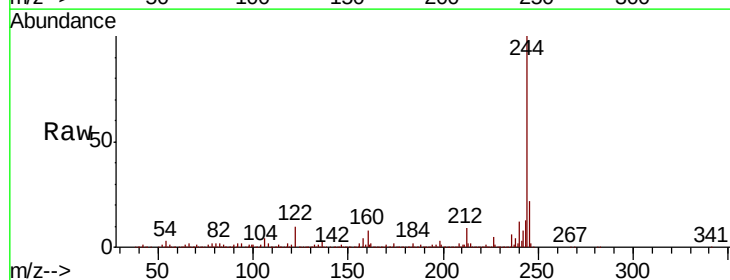
Instrument :
BNA_G
ClientSampleId :
PB117058BL

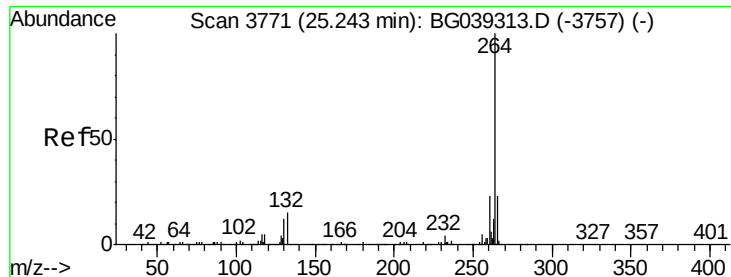
Tgt Ion:240 Resp: 360977
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 26.1 21.0 31.4



#79
Terphenyl-d14
Concen: 80.103 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

Tgt Ion:244 Resp: 1366067
Ion Ratio Lower Upper
244 100
212 9.1 7.3 10.9
122 9.9 8.4 12.6

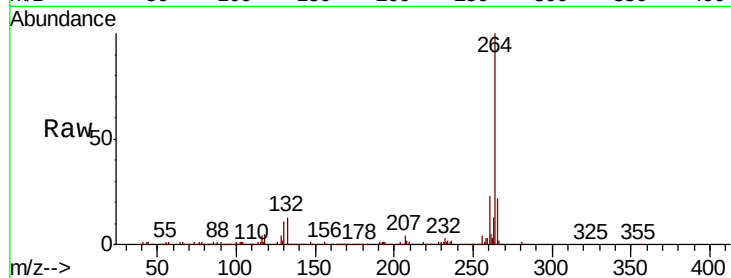




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039471.D
Acq: 12 Feb 2019 19:53

Instrument :
BNA_G
ClientSampleId :
PB117058BL

Tgt Ion:	264	Resp:	357973
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	22.1	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

