

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020119\
 Data File : BG039353.D
 Acq On : 1 Feb 2019 21:50
 Operator : JU/SJ
 Sample : K1290-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 012919-SIDI-E-U-M

Quant Time: Feb 02 01:04:57 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	8.18	152	45256	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	192275	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	127483	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	310949	20.00	ng	0.00
76) Chrysene-d12	21.83	240	330246	20.00	ng	-0.01
87) Perylene-d12	25.22	264	330325	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	118720	44.90	ng	0.00
7) Phenol-d6	7.31	99	104828	26.93	ng	0.00
23) Nitrobenzene-d5	9.36	82	372495	121.03	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	151134	110.09	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	921958	103.75	ng	0.00
79) Terphenyl-d14	20.14	244	1295787	83.05	ng	0.00

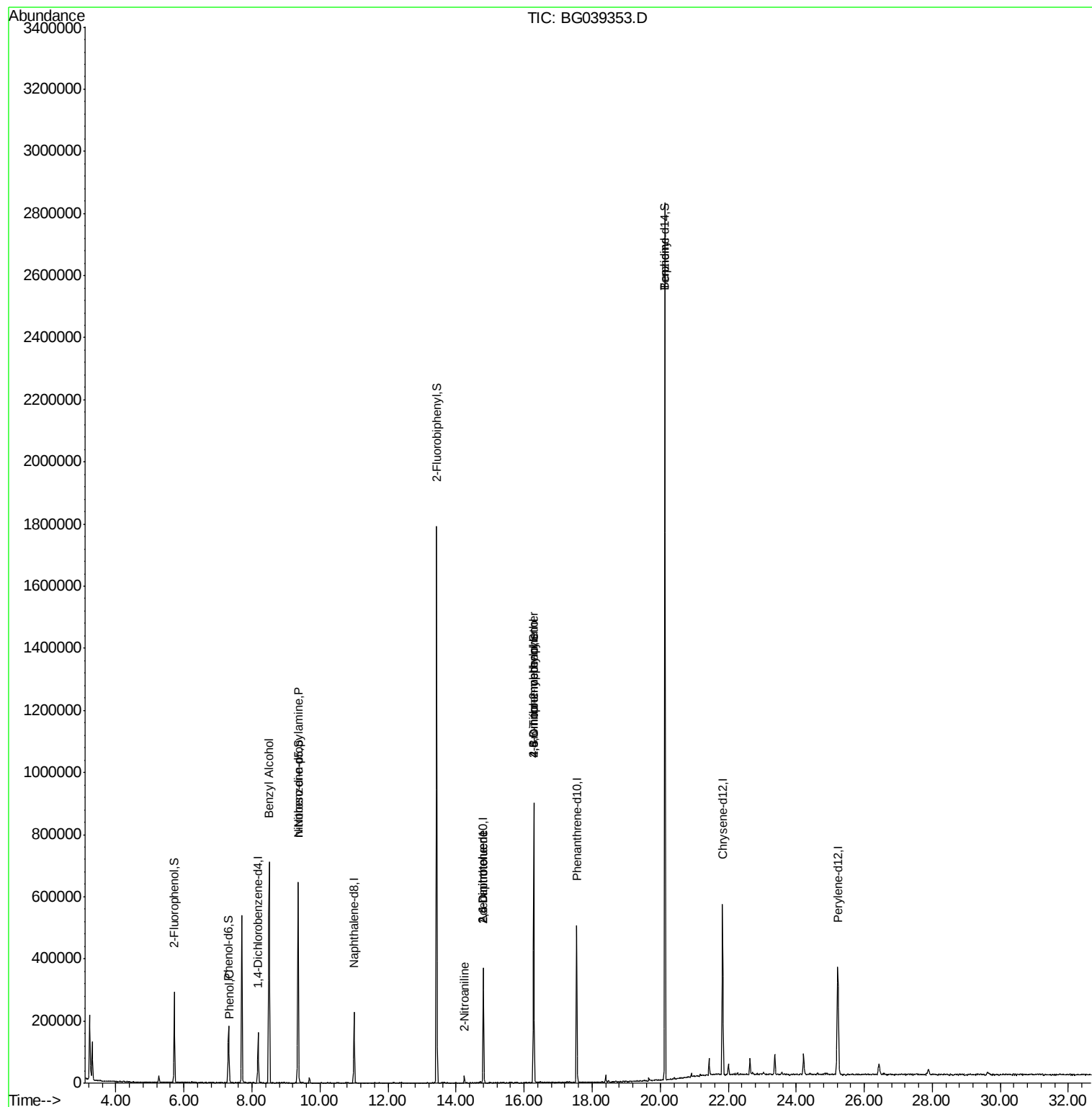
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	379	Below Cal		# 4
10) Phenol	7.34	94	12828	3.162	ng	# 96
15) Benzyl Alcohol	8.49	79	6297	2.061	ng	# 55
19) n-Nitroso-di-n-propylamine	9.36	70	49874	18.054	ng	# 65
48) 2-Nitroaniline	14.25	65	71	8.322	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	16137	13.799	ng	# 23
57) 2,4-Dinitrotoluene	14.80	165	16137	13.305	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	571	4.763	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	11743	3.404	ng	# 1
77) Benzidine	20.14	184	22639	2.091	ng	# 92

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

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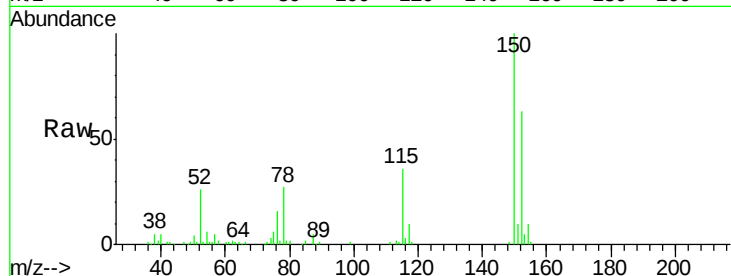


#1

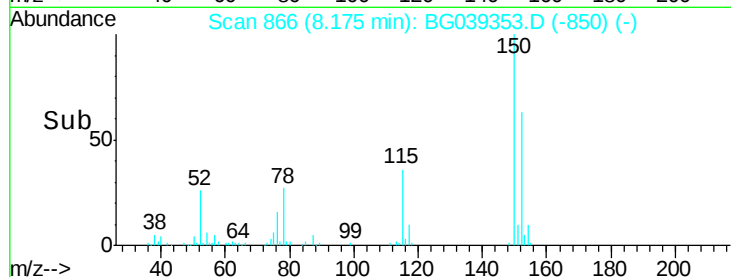
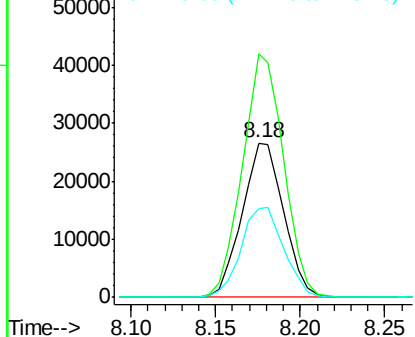
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Instrument :
BNA_G
ClientSampleId :
012919-SIDI-E-U-M

Tgt Ion:152 Resp: 45256
Ion Ratio Lower Upper
152 100
150 158.0 123.7 185.5
115 57.3 45.9 68.9



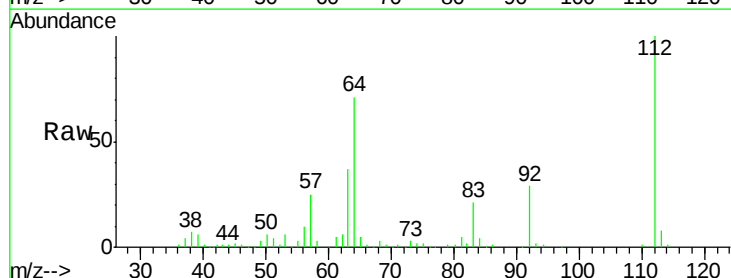
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



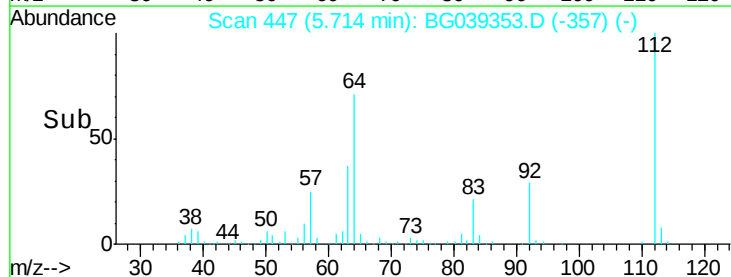
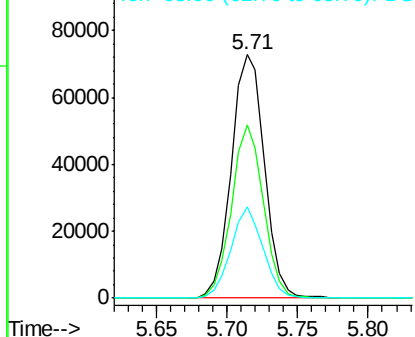
#5

2-Fluorophenol
Concen: 44.898 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Tgt Ion:112 Resp: 118720
Ion Ratio Lower Upper
112 100
64 71.4 57.8 86.8
63 37.4 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: 26.933 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Instrument :

BNA_G

ClientSampleId :

012919-SIDI-E-U-M

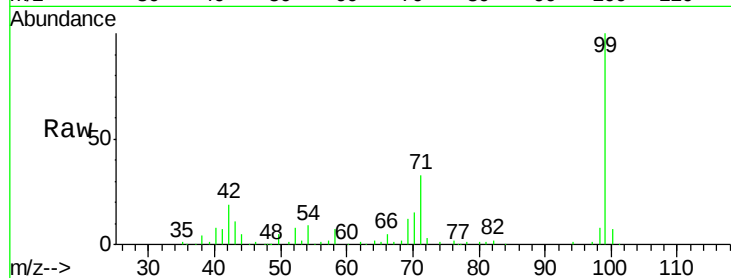
Tgt Ion: 99 Resp: 104828

Ion Ratio Lower Upper

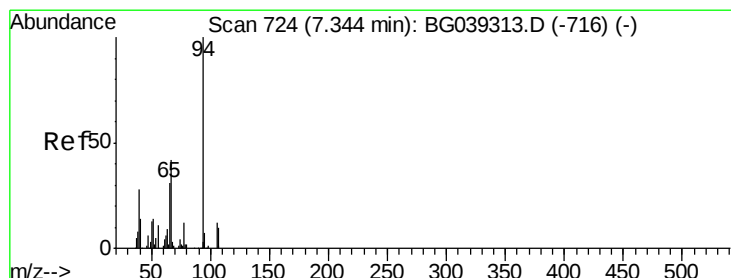
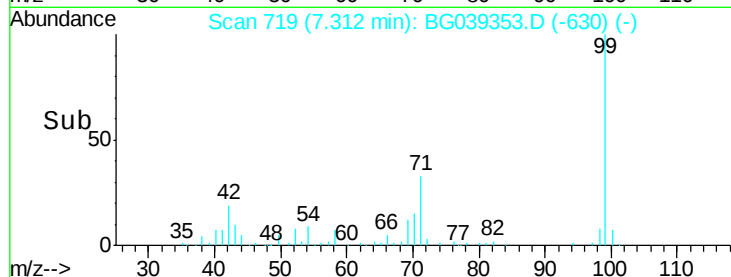
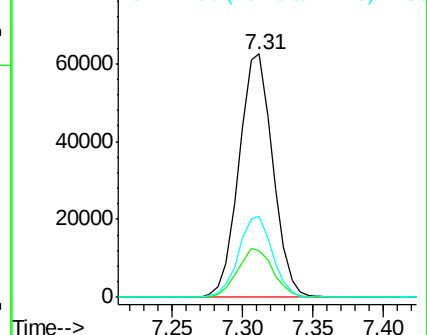
99 100

42 19.1 18.2 27.2

71 33.4 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: 3.162 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

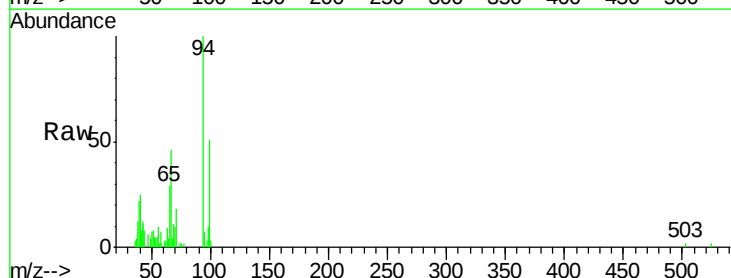
Tgt Ion: 94 Resp: 12828

Ion Ratio Lower Upper

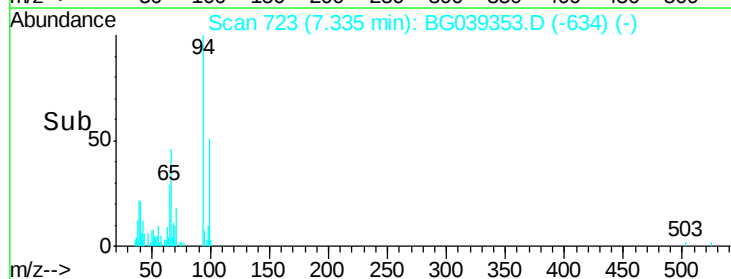
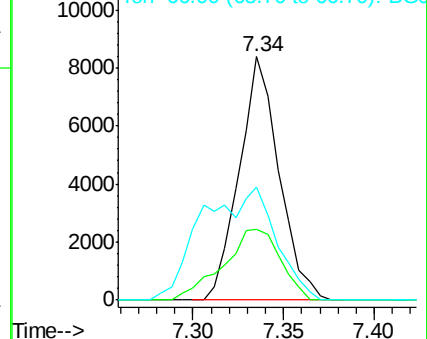
94 100

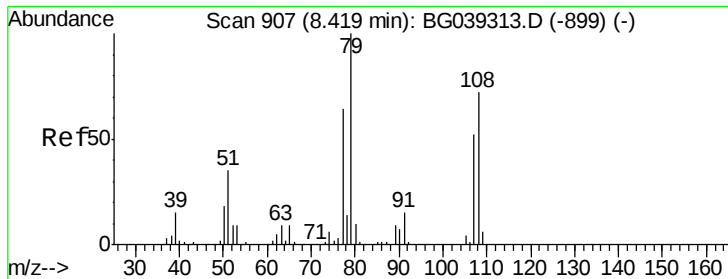
65 29.1 11.7 51.7

66 46.2 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.061 ng

RT: 8.49 min Scan# 920

Delta R.T. 0.07 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Instrument :

BNA_G

ClientSampleId :

012919-SIDI-E-U-M

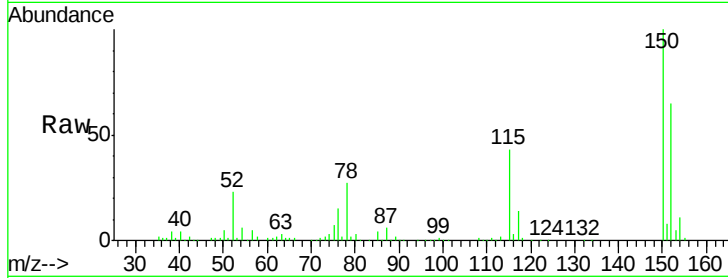
Tgt Ion: 79 Resp: 6297

Ion Ratio Lower Upper

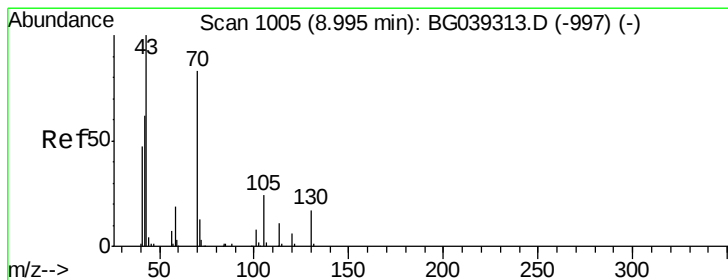
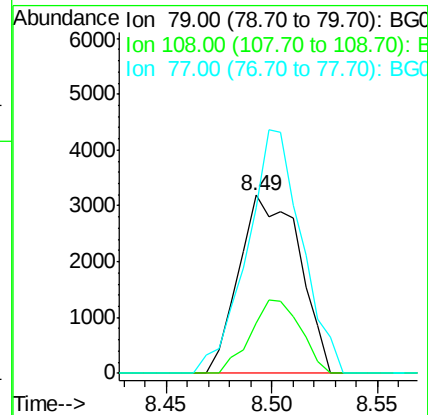
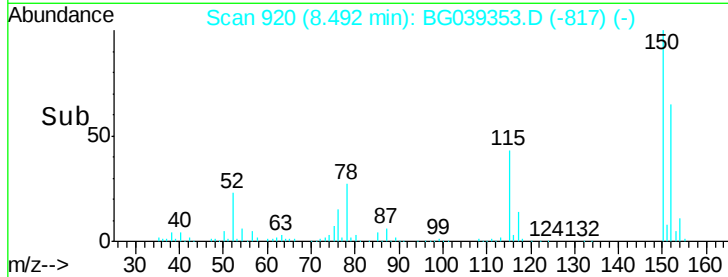
79 100

108 28.0 57.8 86.6#

77 92.6 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.054 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Tgt Ion: 70 Resp: 49874

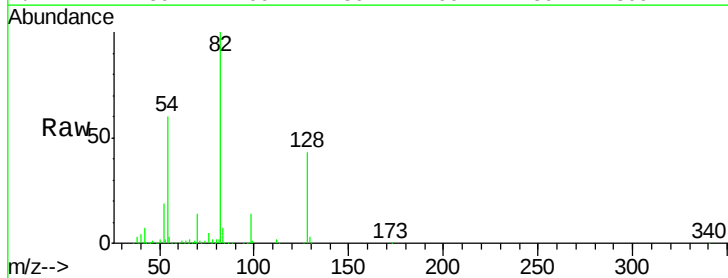
Ion Ratio Lower Upper

70 100

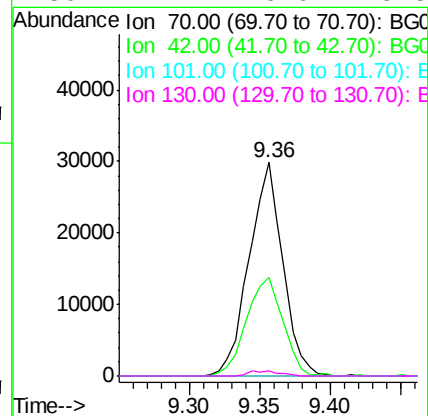
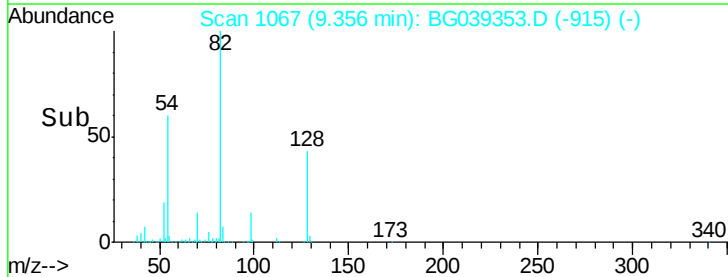
42 46.4 60.4 90.6#

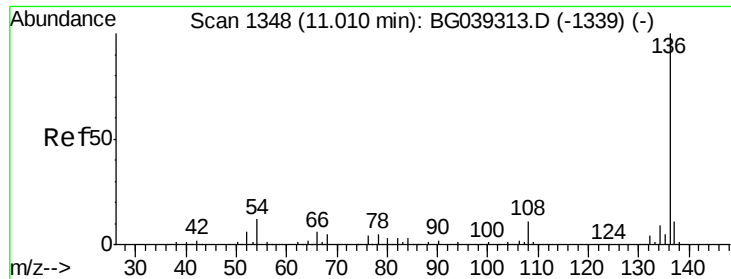
101 0.0 7.5 11.3#

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

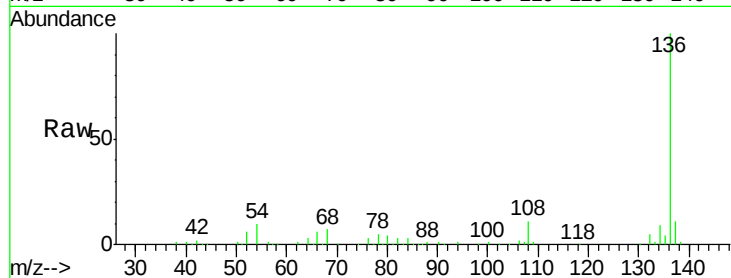




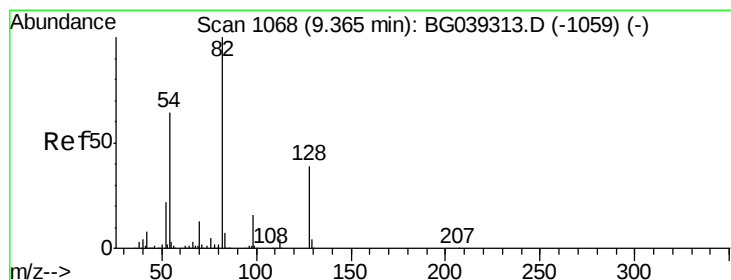
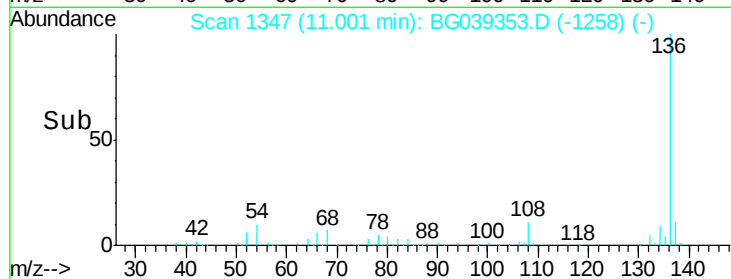
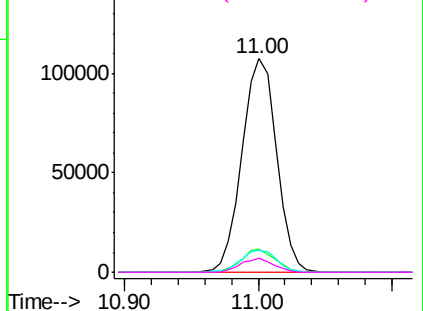
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

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Tgt Ion:	136	Resp:	192275
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	10.4	9.4	14.2
68	6.7	4.2	6.4#

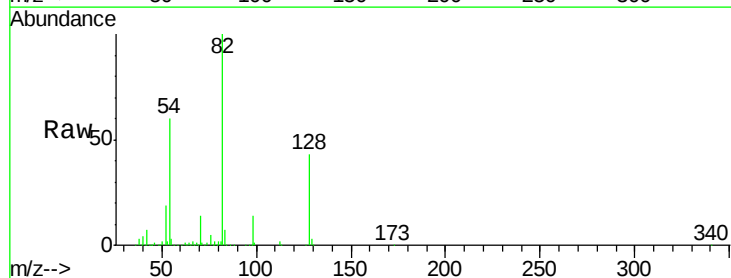


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

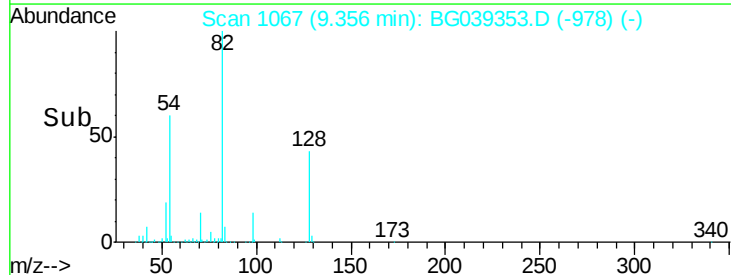
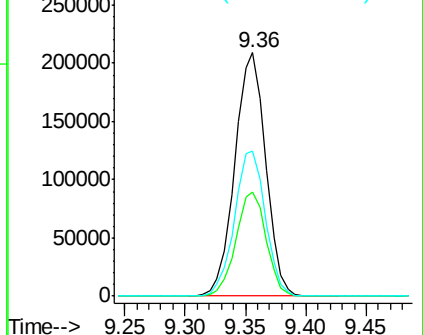


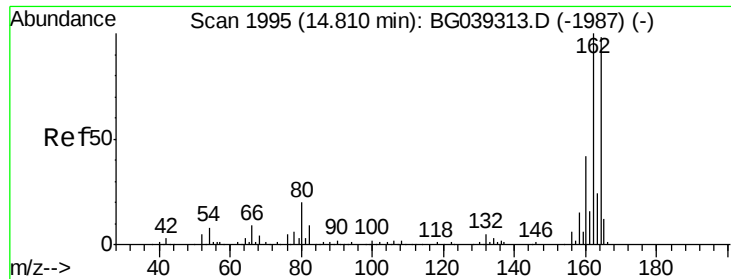
#23
Nitrobenzene-d5
Concen: 121.026 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Tgt Ion:	82	Resp:	372495
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	59.6	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

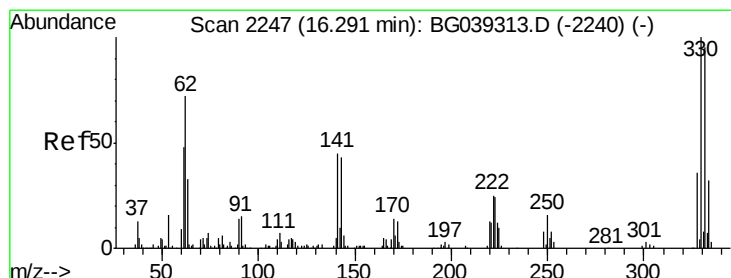
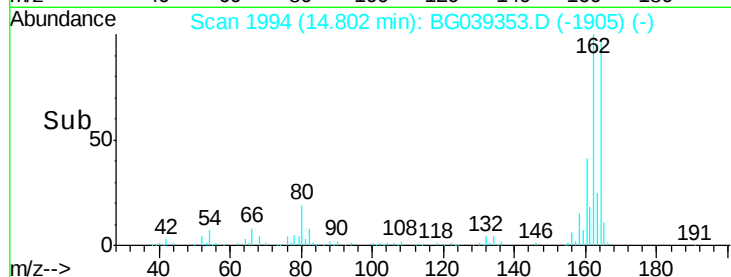
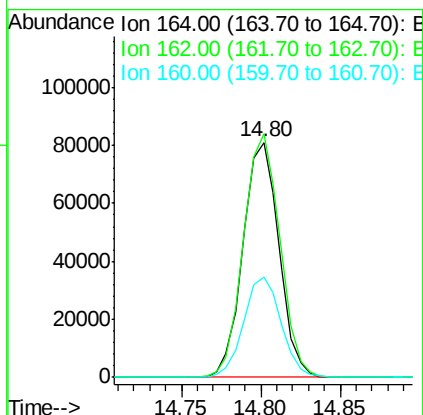
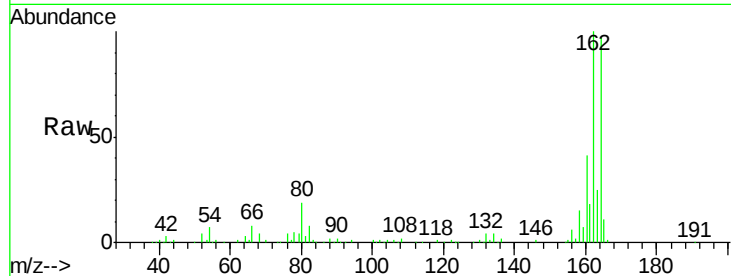




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

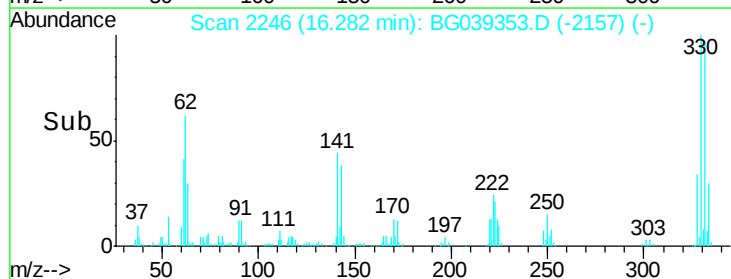
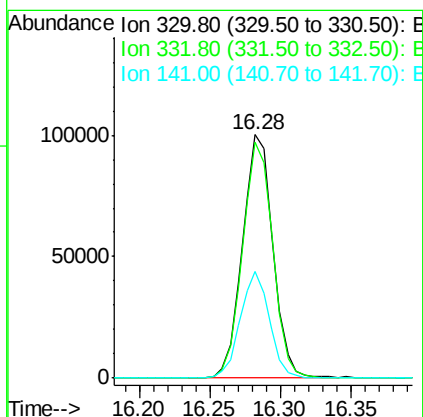
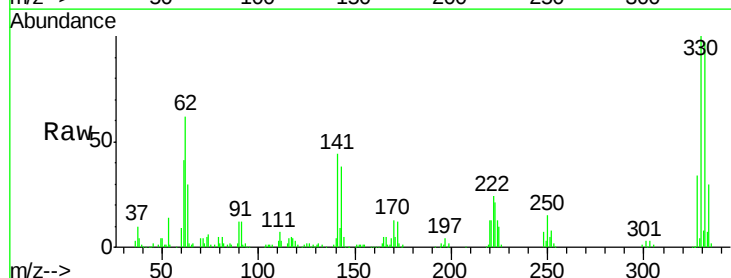
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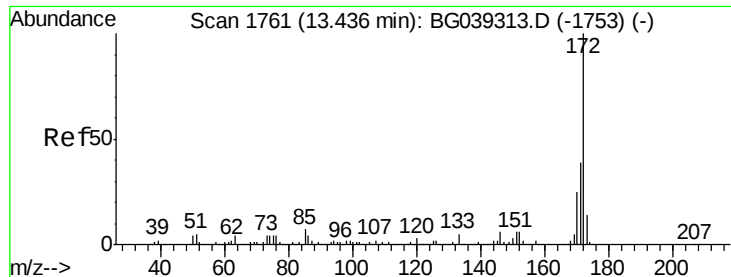
Tgt Ion:164 Resp: 127483
Ion Ratio Lower Upper
164 100
162 103.6 81.6 122.4
160 42.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 110.094 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Tgt Ion:330 Resp: 151134
Ion Ratio Lower Upper
330 100
332 96.7 75.7 113.5
141 41.9 35.6 53.4

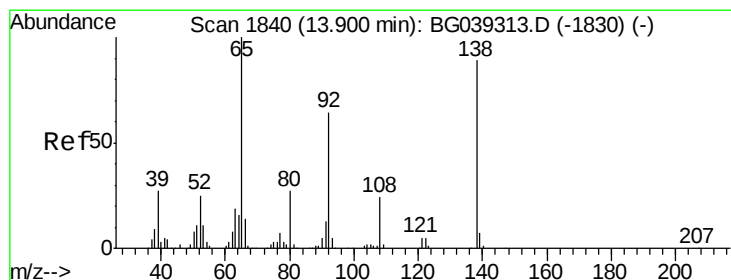
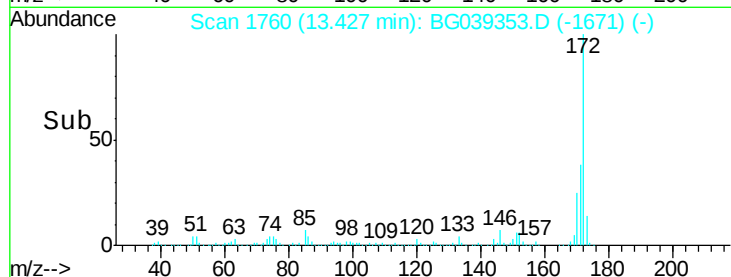
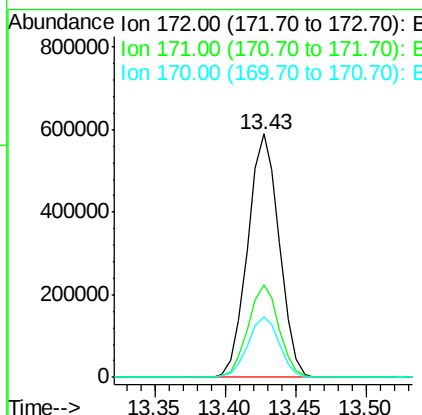
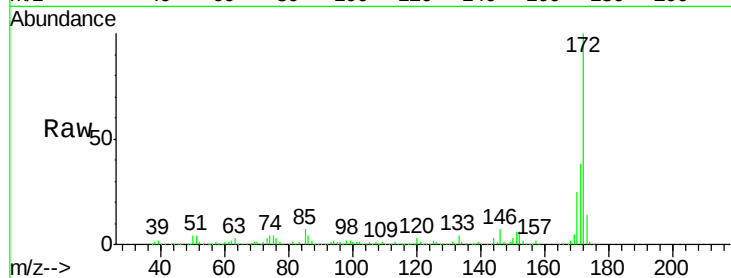




#45
2-Fluorobiphenyl
Concen: 103.747 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

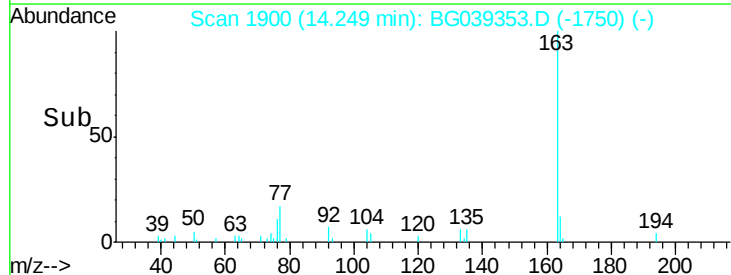
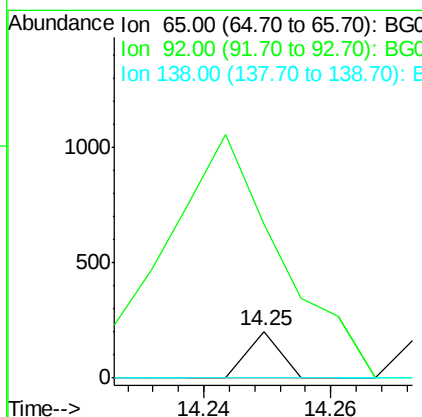
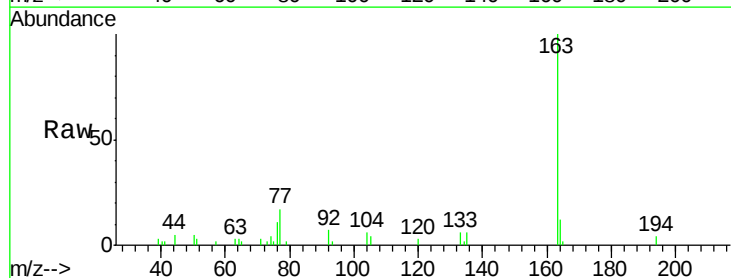
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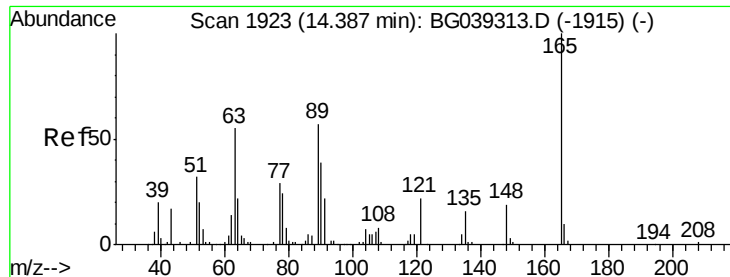
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	24.6	20.2	30.4



#48
2-Nitroaniline
Concen: 8.322 ng
RT: 14.25 min Scan# 1900
Delta R.T. 0.35 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	330.2	51.4	77.2#
138	0.0	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 13.799 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.41 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Instrument :

BNA_G

ClientSampleId :

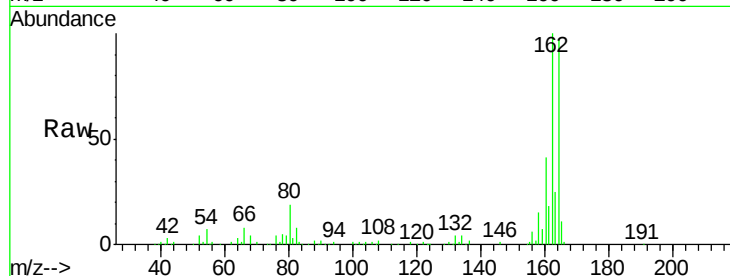
012919-SIDI-E-U-M

Tgt Ion:165 Resp: 16137
Ion Ratio Lower Upper

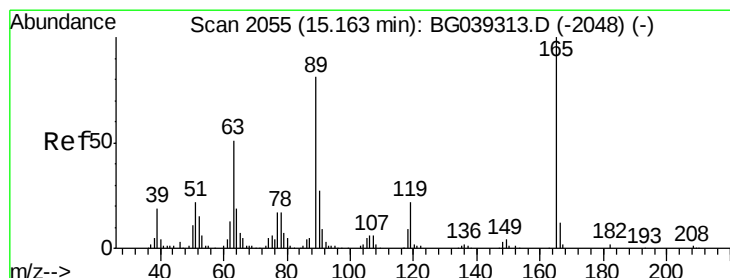
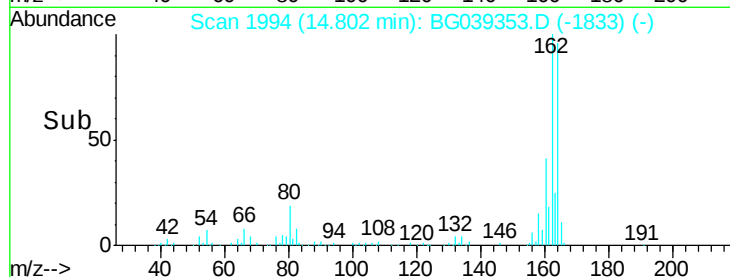
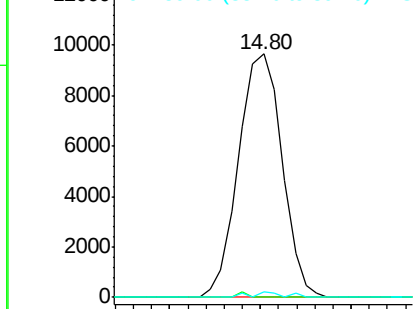
165 100

63 0.0 47.0 70.6#

89 2.2 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 13.305 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

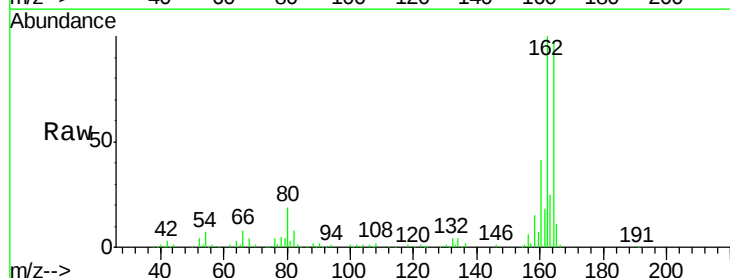
Tgt Ion:165 Resp: 16137
Ion Ratio Lower Upper

165 100

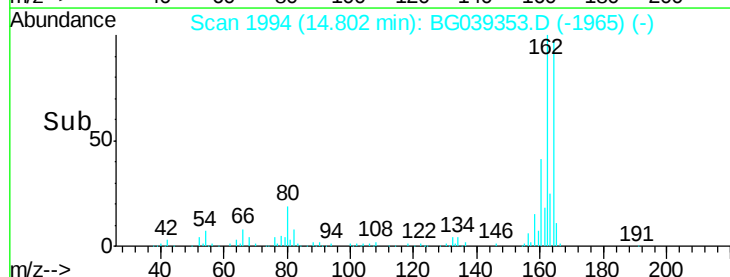
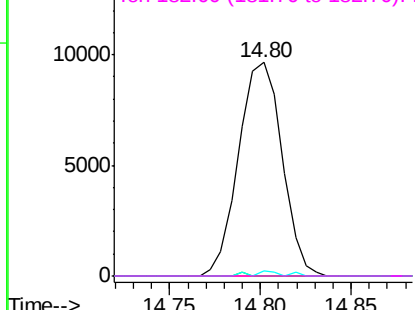
63 0.0 41.0 61.6#

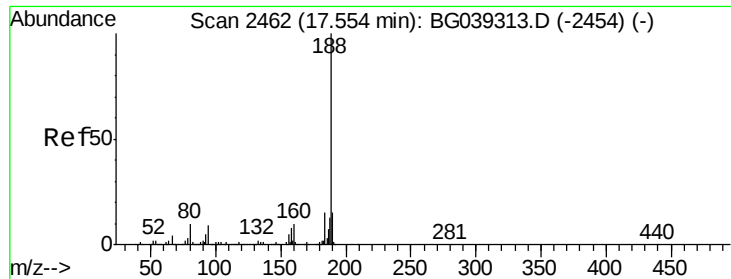
89 2.2 64.6 96.8#

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: 17.54 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Instrument :

BNA_G

ClientSampleId :

012919-SIDI-E-U-M

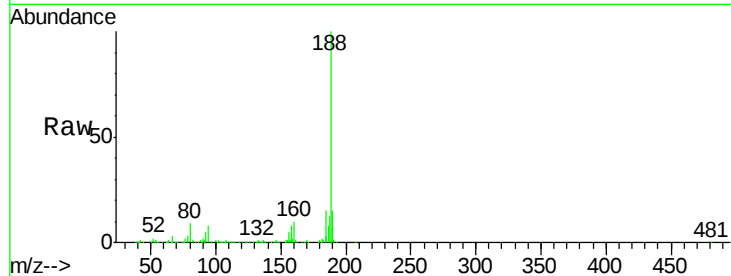
Tgt Ion:188 Resp: 310949

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

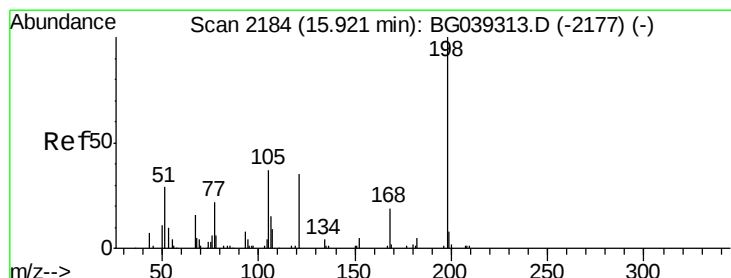
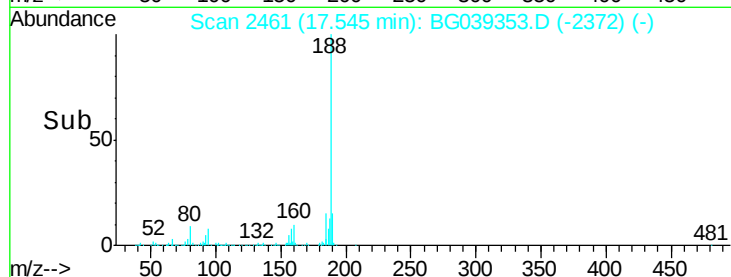
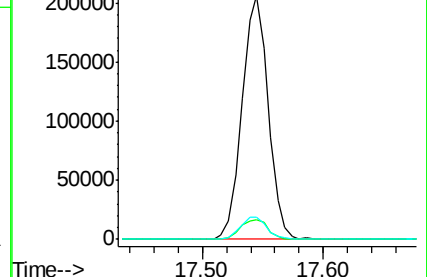
80 9.0 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.763 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

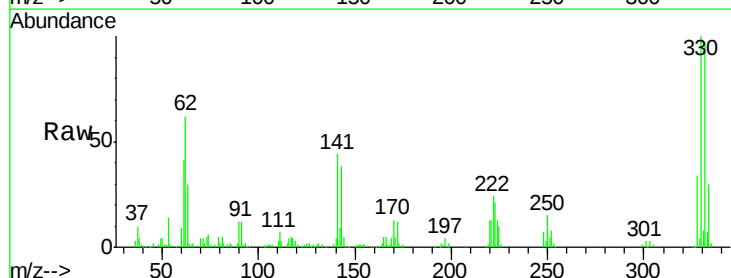
Tgt Ion:198 Resp: 571

Ion Ratio Lower Upper

198 100

51 152.4 27.4 67.4#

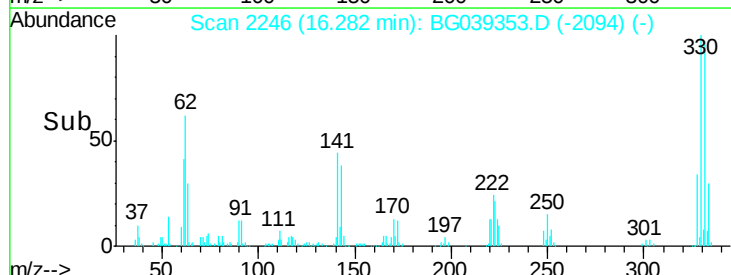
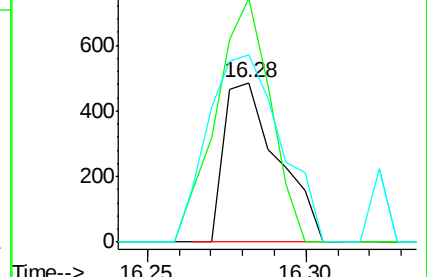
105 117.0 19.7 59.7#

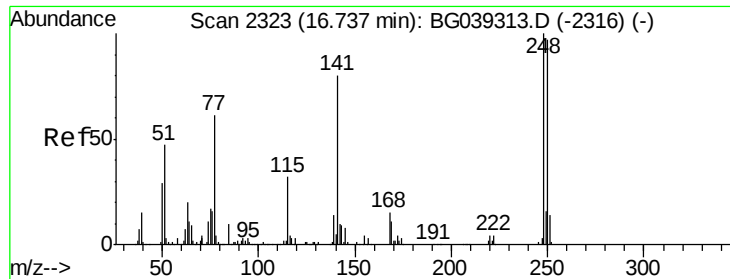


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

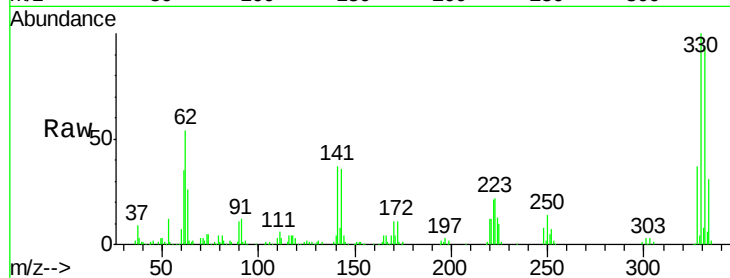




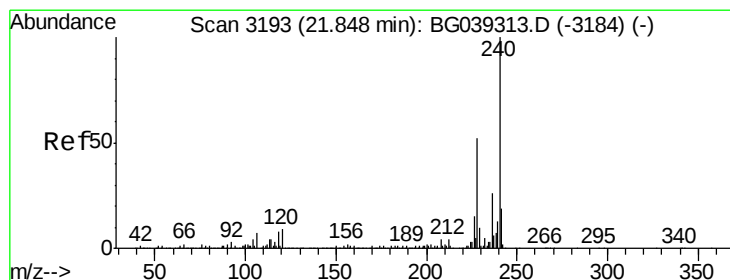
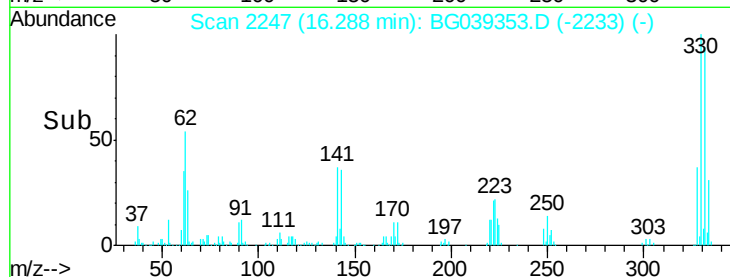
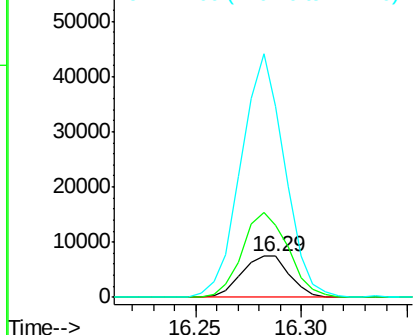
#67
 4-Bromophenyl-phenylether
 Concen: 3.404 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039353.D
 Acq: 1 Feb 2019 21:50

Instrument :
 BNA_G
 ClientSampleId :
 012919-SIDI-E-U-M

Tgt Ion:248 Resp: 11743
 Ion Ratio Lower Upper
 248 100
 250 176.4 77.6 116.4#
 141 466.7 63.9 95.9#

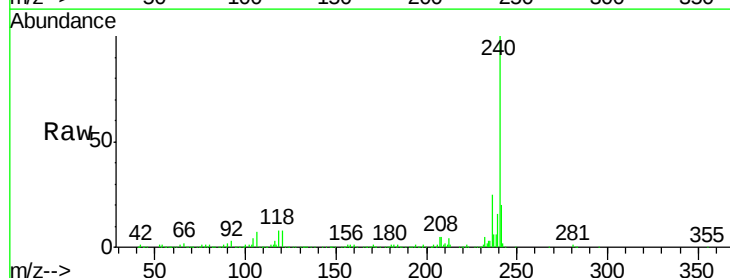


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

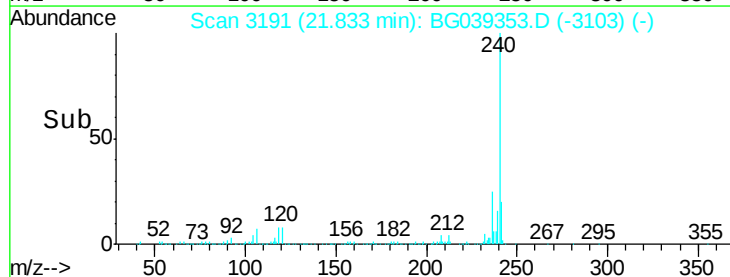
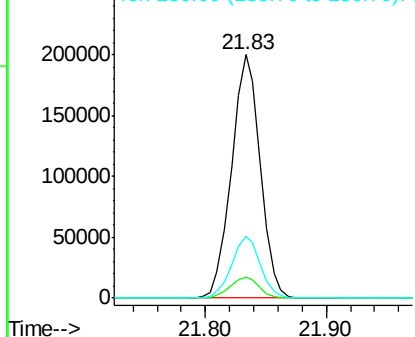


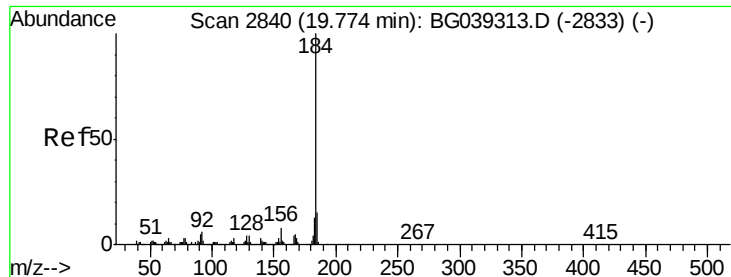
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039353.D
 Acq: 1 Feb 2019 21:50

Tgt Ion:240 Resp: 330246
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 25.2 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: 2.091 ng

RT: 20.14 min Scan# 2903

Delta R.T. 0.37 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

Instrument :

BNA_G

ClientSampleId :

012919-SIDI-E-U-M

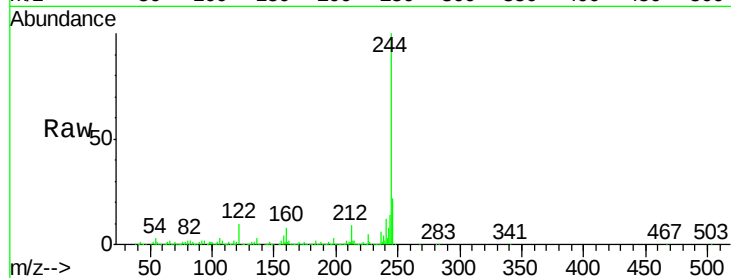
Tgt Ion:184 Resp: 22639

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.2

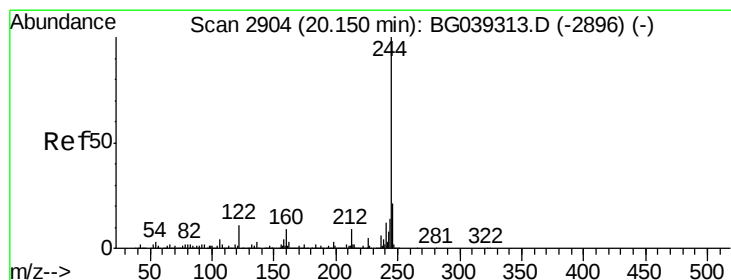
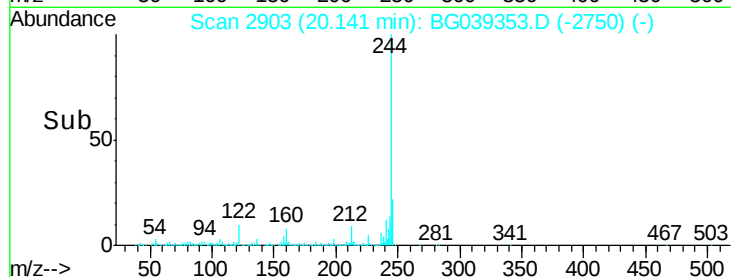
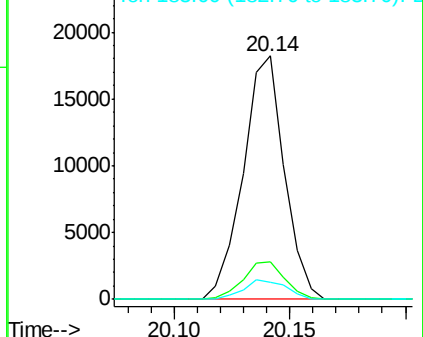
183 6.9 10.6 15.8#



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: 83.053 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039353.D

Acq: 1 Feb 2019 21:50

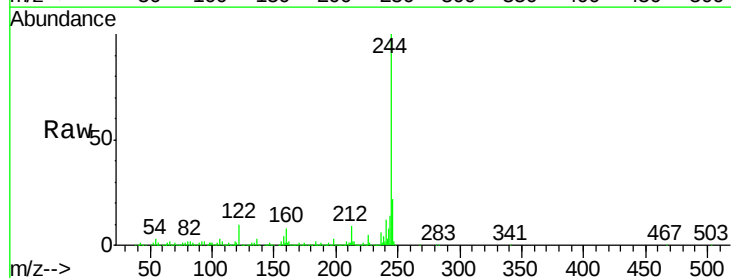
Tgt Ion:244 Resp: 1295787

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

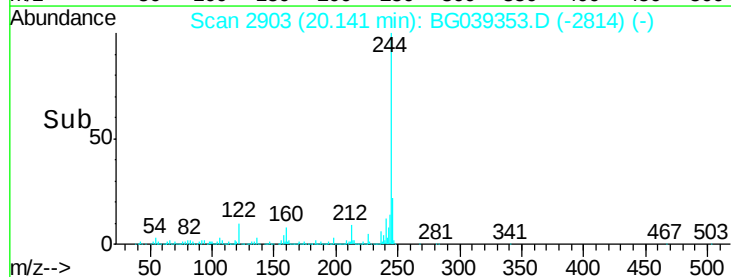
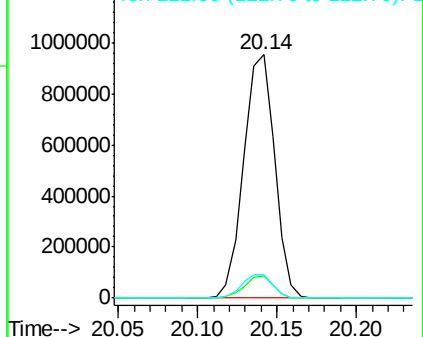
122 9.8 8.4 12.6

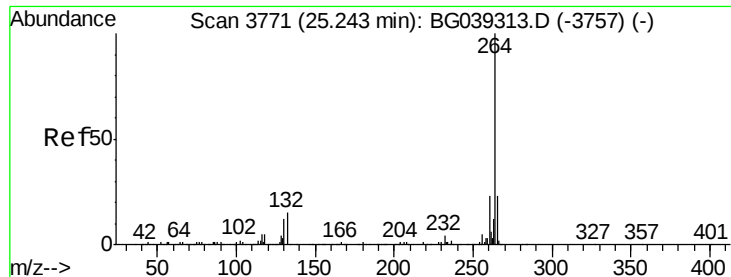


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BG039353.D
Acq: 1 Feb 2019 21:50

Instrument :
BNA_G
ClientSampleId :
012919-SIDI-E-U-M

Tgt Ion:	264	Resp:	330325
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.8	18.5	27.7

