

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020119\
 Data File : BG039345.D
 Acq On : 1 Feb 2019 16:36
 Operator : JU/SJ
 Sample : K1307-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

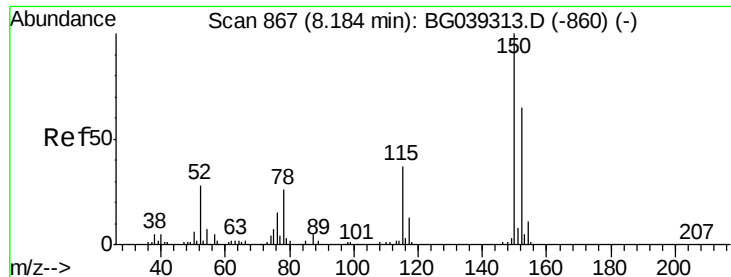
Quant Time: Feb 01 18:05:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	49635	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	206794	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	138734	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	330599	20.00	ng	0.00
76) Chrysene-d12	21.83	240	343872	20.00	ng	-0.01
87) Perylene-d12	25.22	264	346706	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	109168	37.64	ng	0.00
7) Phenol-d6	7.31	99	95186	22.30	ng	-0.01
23) Nitrobenzene-d5	9.35	82	360287	108.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	148828	99.62	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	906618	93.75	ng	0.00
79) Terphenyl-d14	20.14	244	1275000	78.48	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	148	Below Cal		# 4
10) Phenol	7.34	94	19105	4.293	ng	# 94
19) n-Nitroso-di-n-propylamine	9.35	70	47515	15.682	ng	# 70
26) 2-Nitrophenol	9.67	139	63	4.058	ng	# 31
32) Benzoic acid	10.04	122	69	9.050	ng	# 1
48) 2-Nitroaniline	14.25	65	356	8.414	ng	# 1
50) Dimethylphthalate	14.25	163	40328	3.599	ng	# 94
51) 2,6-Dinitrotoluene	14.80	165	17176	13.640	ng	# 22
53) 3-Nitroaniline	14.62	138	70	5.820	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	17176	13.185	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.28	198	543	4.701	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	11079	3.021	ng	# 1
77) Benzidine	20.14	184	22578	2.003	ng	# 93

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

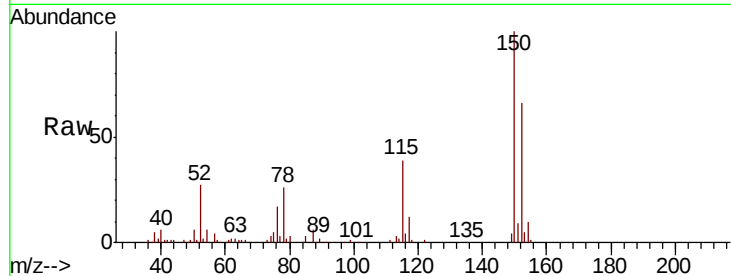


#1

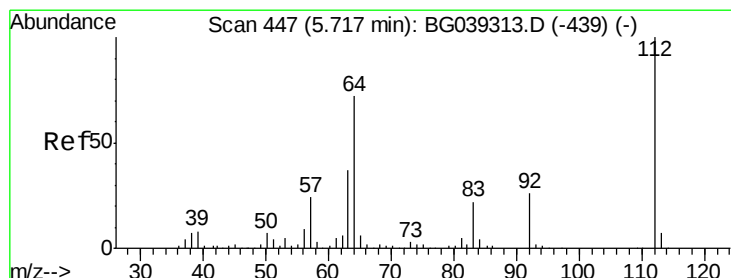
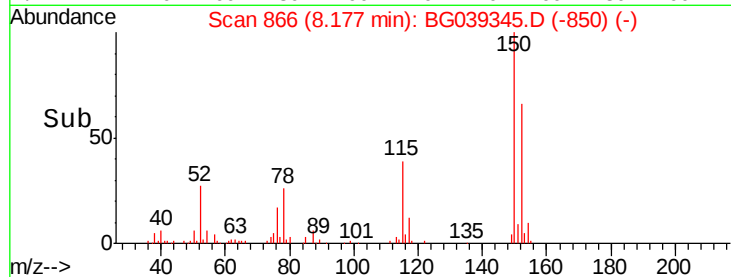
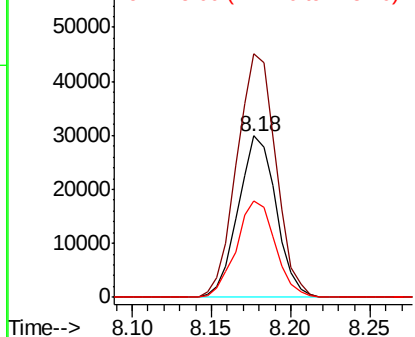
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039345.D
Acq: 1 Feb 2019 16:36

Instrument :
BNA_F
ClientSampleId :
013019-SIDI-E-D-S

Tot Ion:152 Resp: 49635
Ion Ratio Lower Upper
152 100
150 151.1 123.7 185.5
115 59.5 45.9 68.9



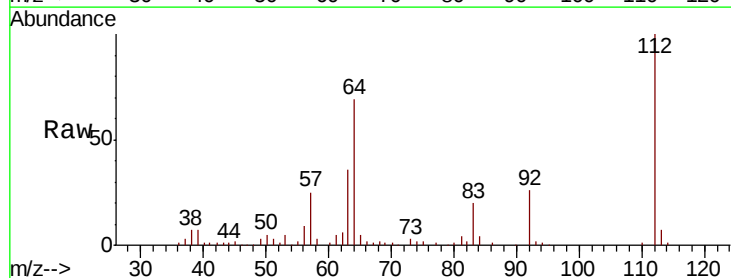
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



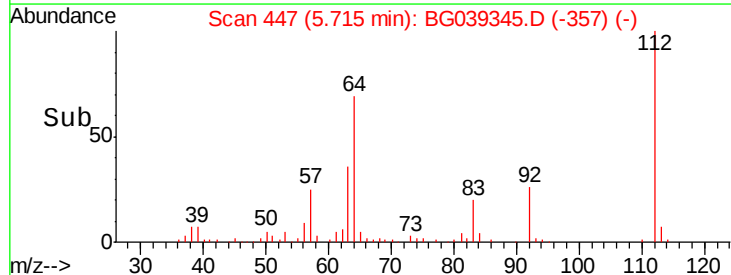
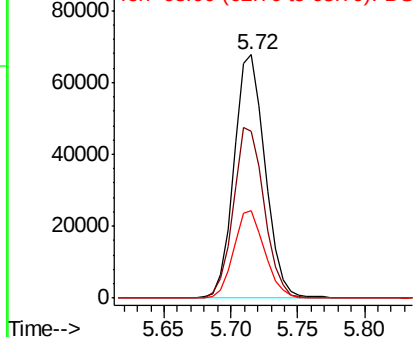
#5

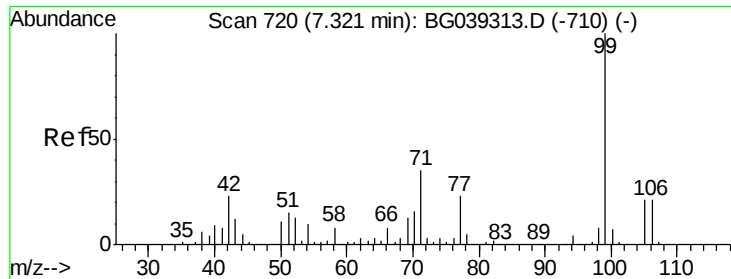
2-Fluorophenol
Concen: 37.643 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039345.D
Acq: 1 Feb 2019 16:36

Tgt Ion:112 Resp: 109168
Ion Ratio Lower Upper
112 100
64 68.7 57.8 86.8
63 36.0 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: 22.298 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

Instrument :

BNA_F

ClientSampleId :

013019-SIDI-E-D-S

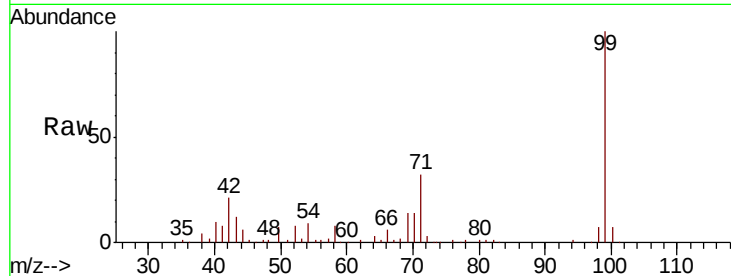
Tot Ion: 99 Resp: 95186

Ion Ratio Lower Upper

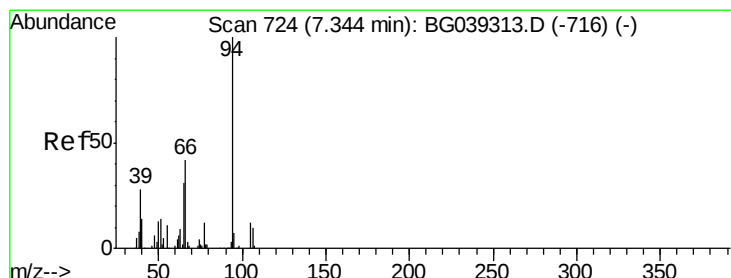
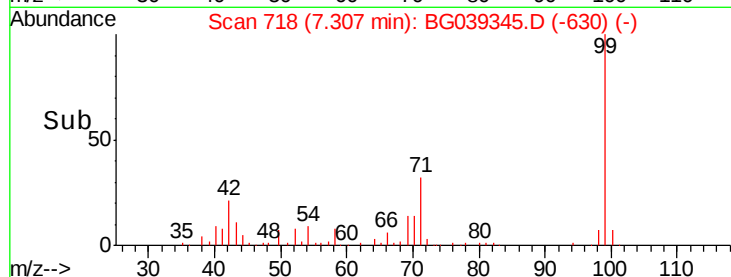
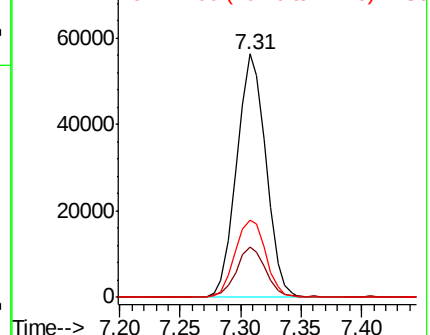
99 100

42 20.6 18.2 27.2

71 31.6 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: 4.293 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

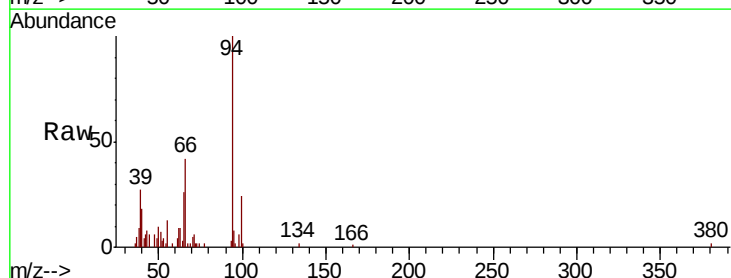
Tgt Ion: 94 Resp: 19105

Ion Ratio Lower Upper

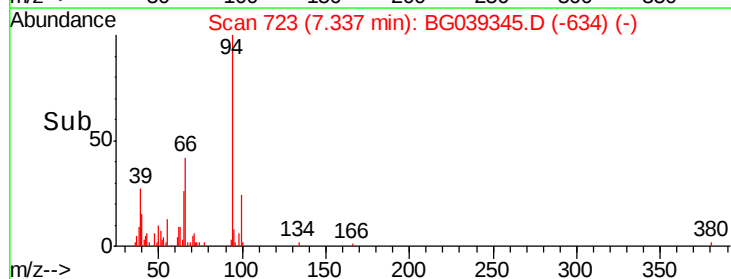
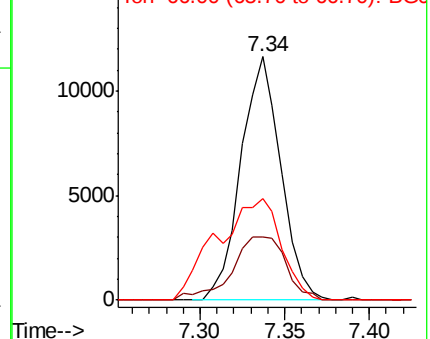
94 100

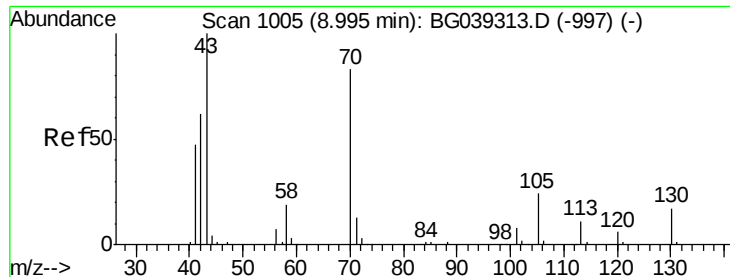
65 25.8 11.7 51.7

66 41.7 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





#19

n-Nitroso-di-n-propylamine

Concen: 15.682 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

Instrument :

BNA_F

ClientSampleId :

013019-SIDI-E-D-S

Tot Ion: 70 Resp: 47515

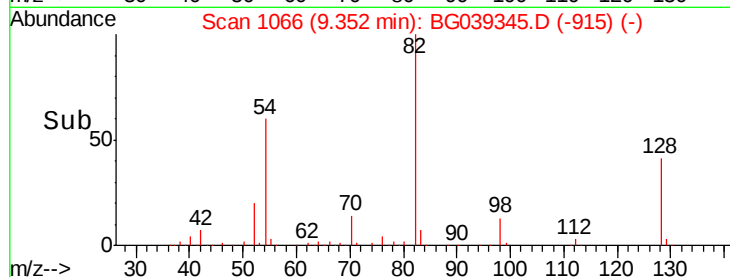
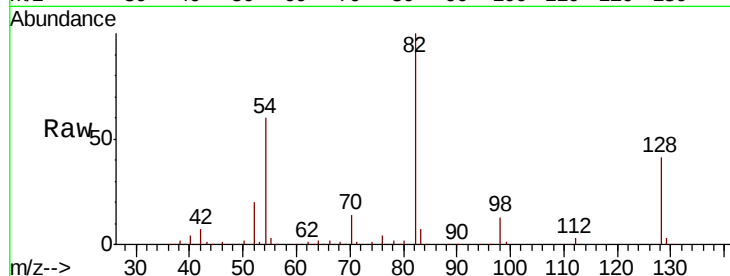
Ion Ratio Lower Upper

70 100

42 52.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#

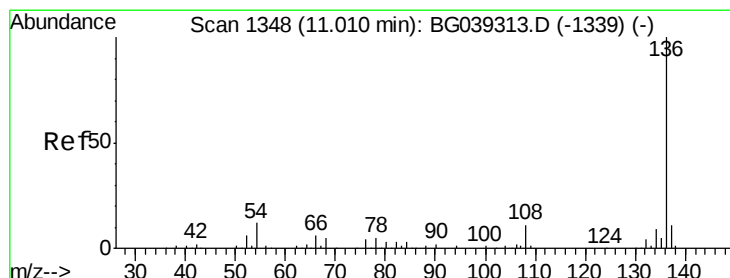
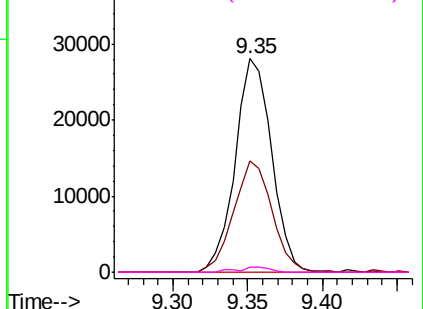


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG039345.D

Acq: 1 Feb 2019 16:36

Tgt Ion: 136 Resp: 206794

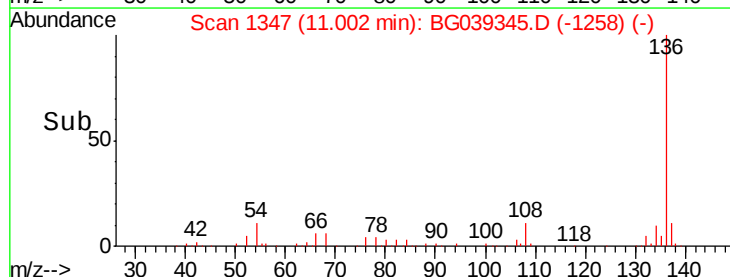
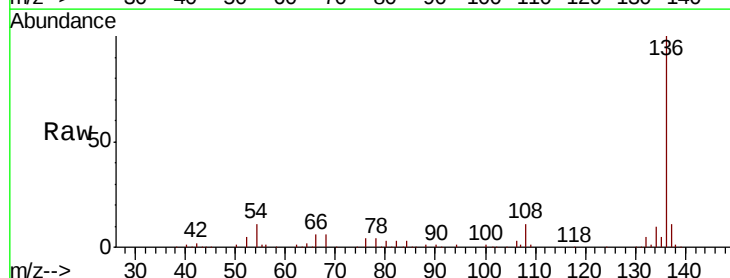
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 10.6 9.4 14.2

68 6.2 4.2 6.4

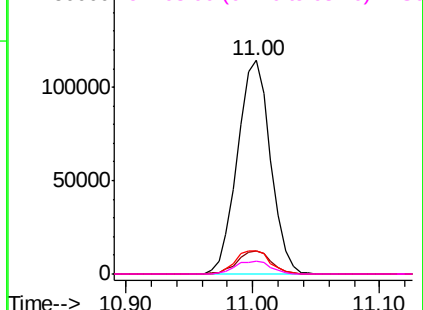


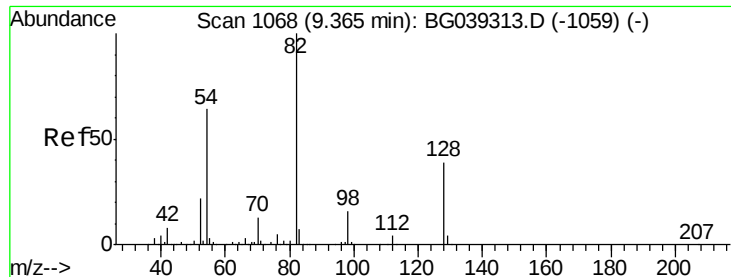
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

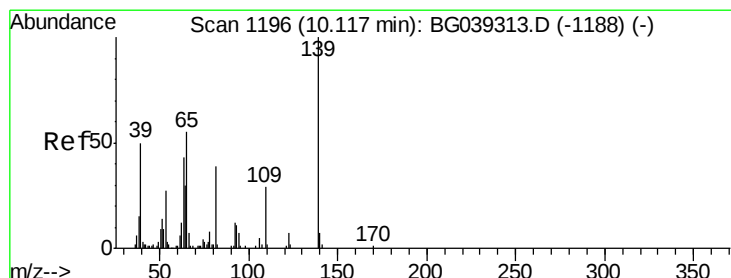
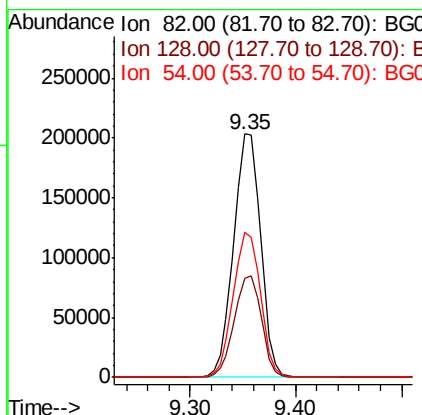
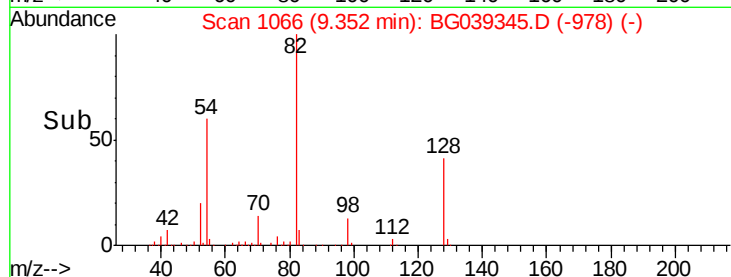
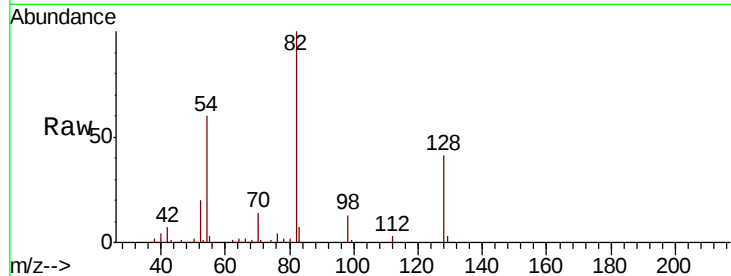




#23
 Nitrobenzene-d5
 Concen: 108.841 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

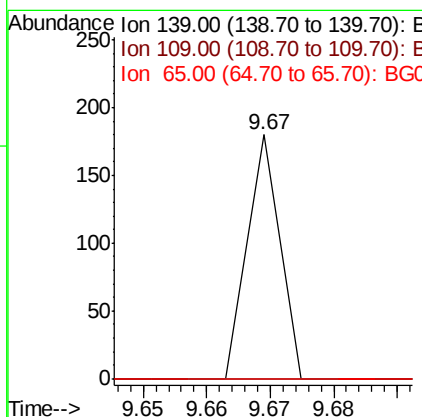
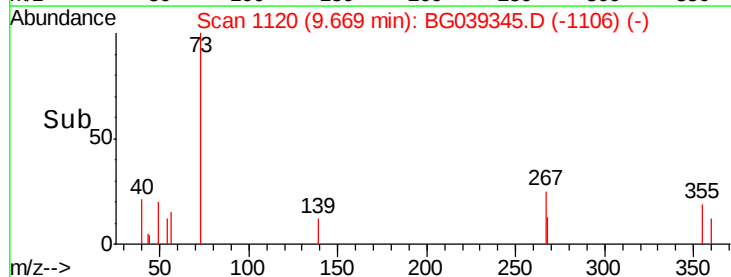
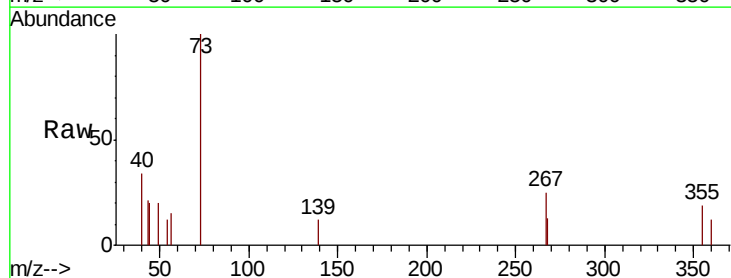
Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

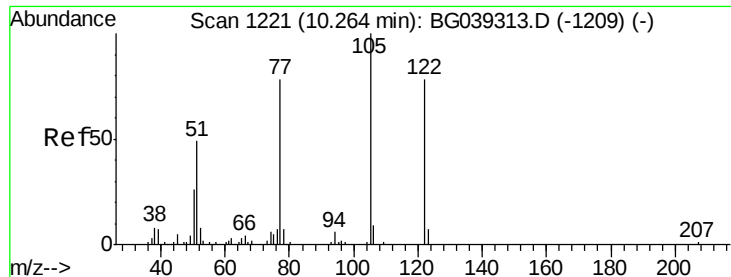
Tot Ion	82	Resp	360287
Ion Ratio	Lower	Upper	
82	100		
128	40.8	31.3	46.9
54	59.6	50.9	76.3



#26
 2-Nitrophenol
 Concen: 4.058 ng
 RT: 9.67 min Scan# 1120
 Delta R.T. -0.45 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion	139	Resp	63
Ion Ratio	Lower	Upper	
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#





#32

Benzoic acid

Concen: 9.050 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.22 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

Instrument :

BNA_F

ClientSampleId :

013019-SIDI-E-D-S

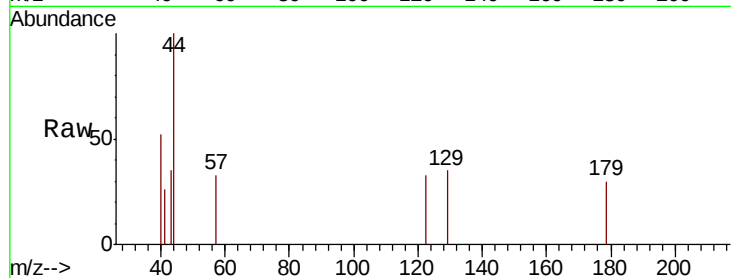
Tot Ion:122 Resp: 69

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

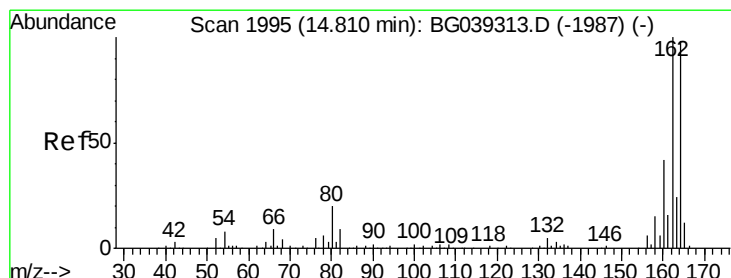
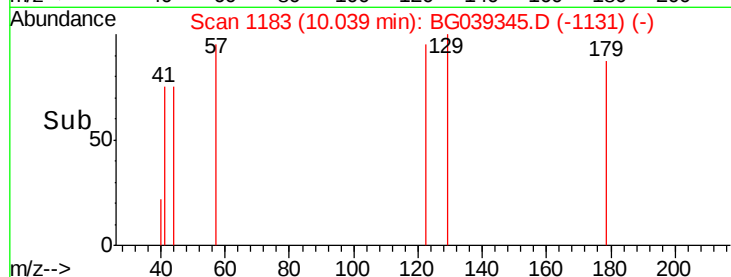
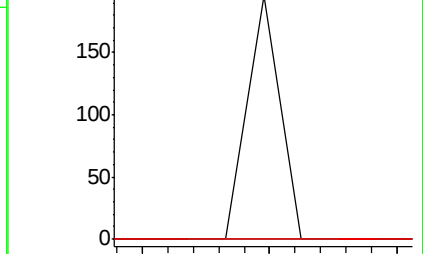
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

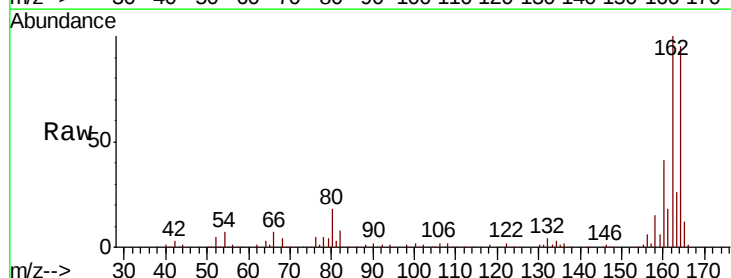
Tgt Ion:164 Resp: 138734

Ion Ratio Lower Upper

164 100

162 104.8 81.6 122.4

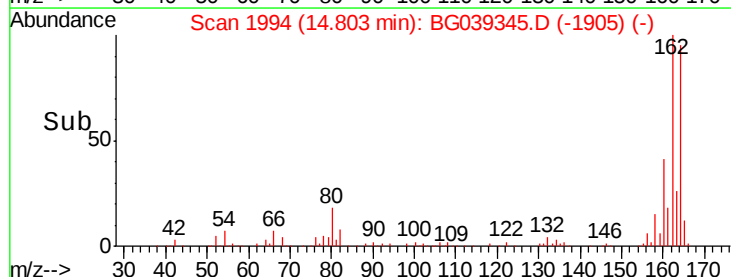
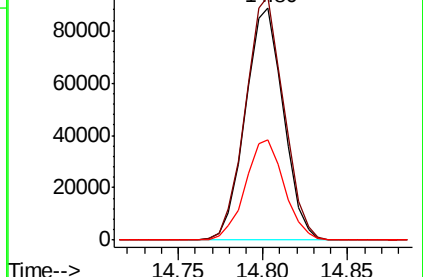
160 43.4 34.2 51.2

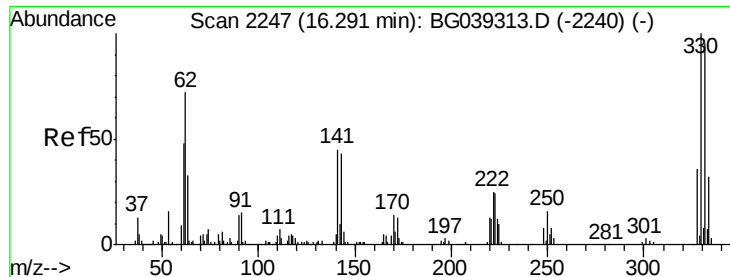


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 99.622 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

Instrument :

BNA_F

ClientSampleId :

013019-SIDI-E-D-S

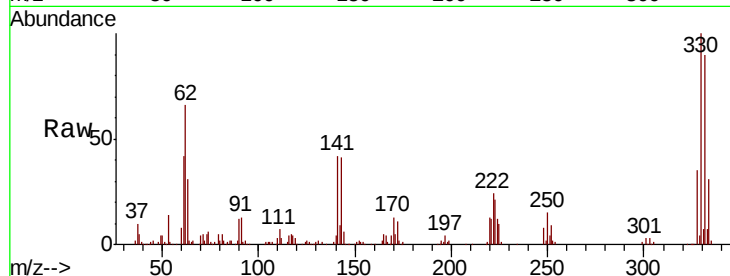
Tot Ion:330 Resp: 148828

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

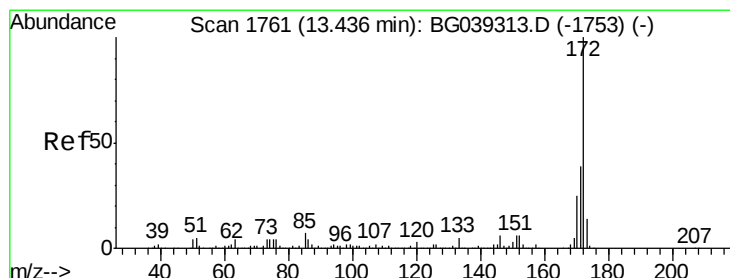
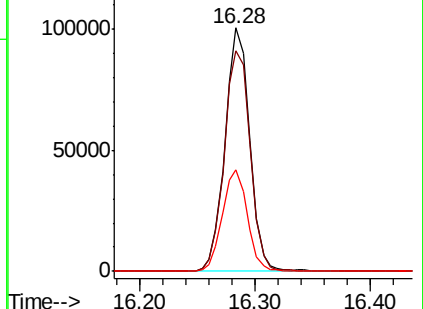
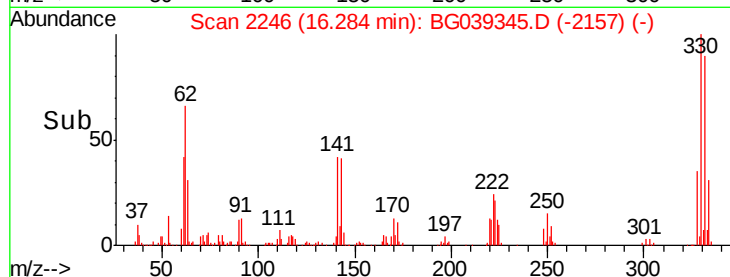
141 42.2 35.6 53.4



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: 93.747 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039345.D

Acq: 1 Feb 2019 16:36

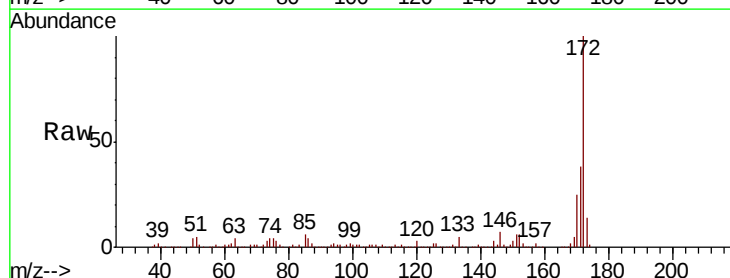
Tgt Ion:172 Resp: 906618

Ion Ratio Lower Upper

172 100

171 38.2 30.8 46.2

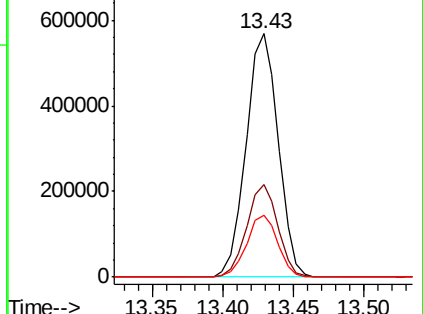
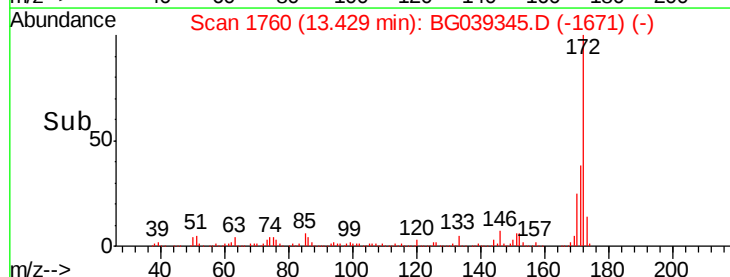
170 25.2 20.2 30.4

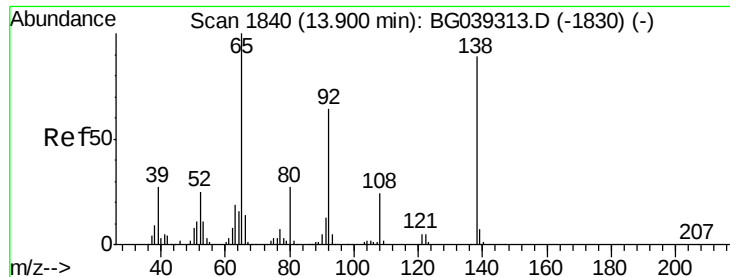


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

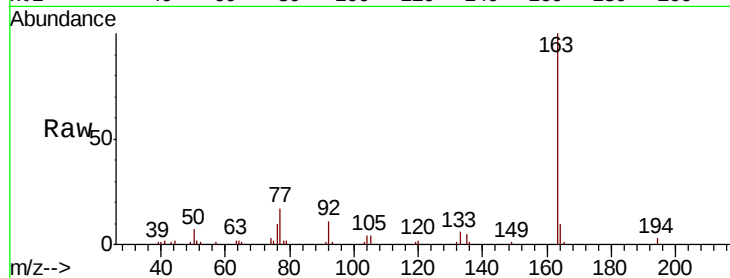




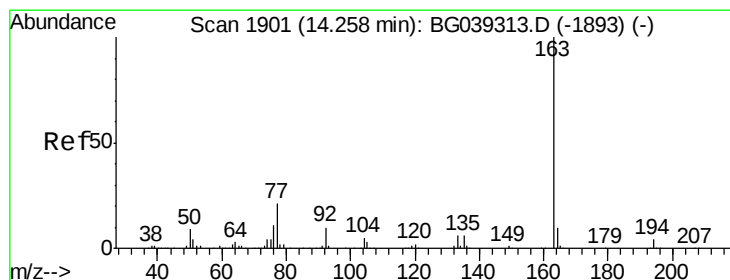
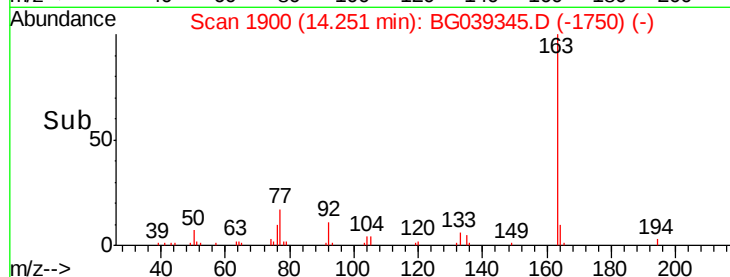
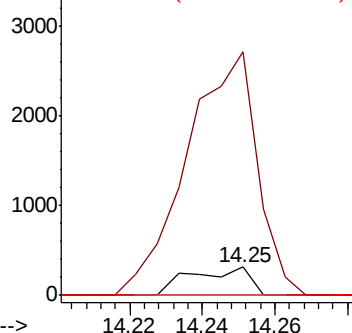
#48
2-Nitroaniline
Concen: 8.414 ng
RT: 14.25 min Scan# 1900
Delta R.T. 0.35 min
Lab File: BG039345.D
Acq: 1 Feb 2019 16:36

Instrument :
BNA_F
ClientSampleId :
013019-SIDI-E-D-S

Tot Ion: 65 Resp: 356
Ion Ratio Lower Upper
65 100
92 856.8 51.4 77.2#
138 0.0 71.4 107.2#

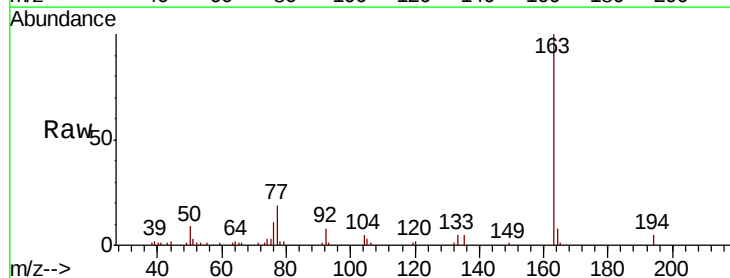


Abundance Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG
Ion 138.00 (137.70 to 138.70): E

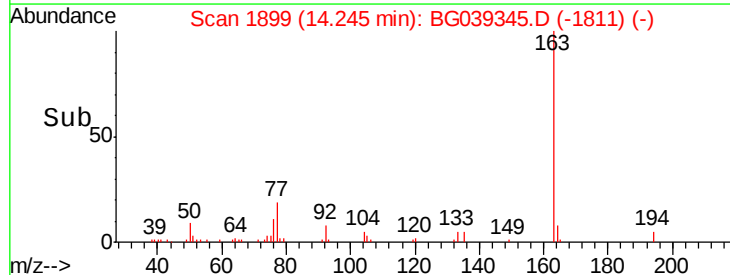
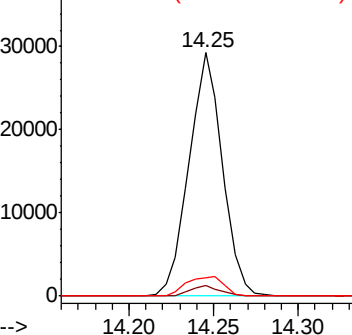


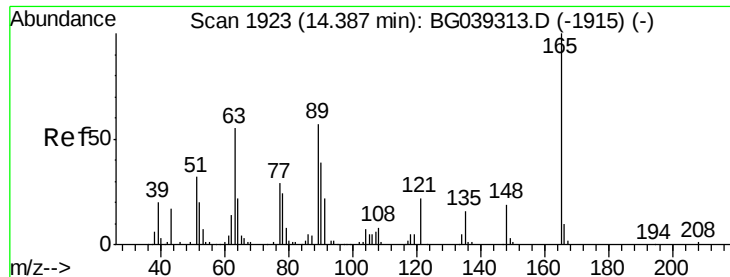
#50
Dimethylphthalate
Concen: 3.599 ng
RT: 14.25 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BG039345.D
Acq: 1 Feb 2019 16:36

Tgt Ion:163 Resp: 40328
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 7.5 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

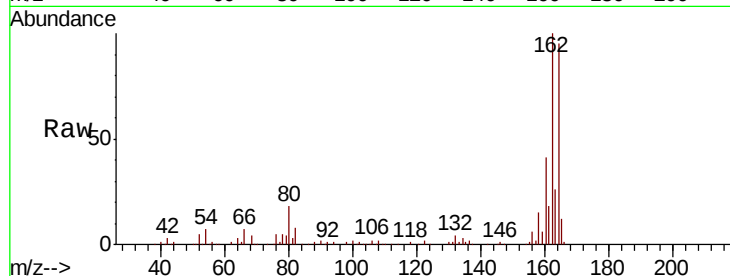




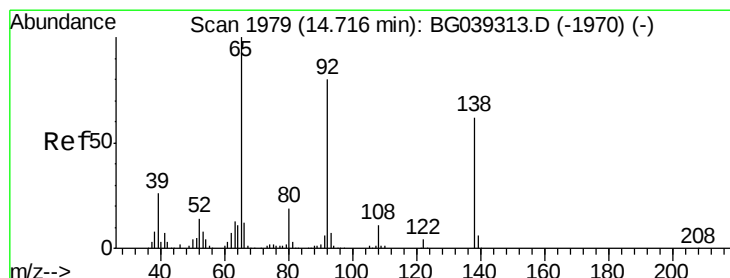
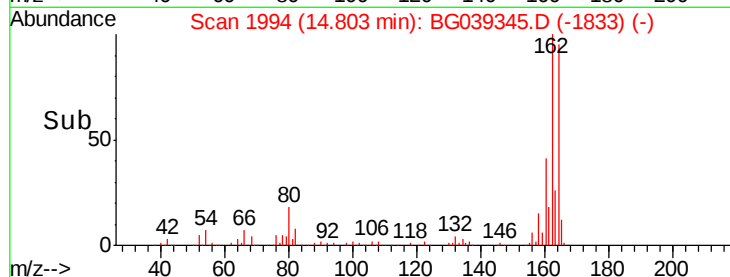
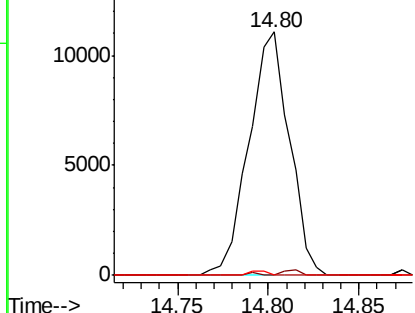
#51
 2,6-Dinitrotoluene
 Concen: 13.640 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.42 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

Tot Ion:165 Resp: 17176
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

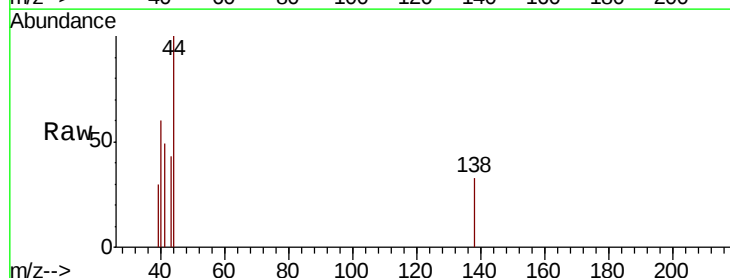


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

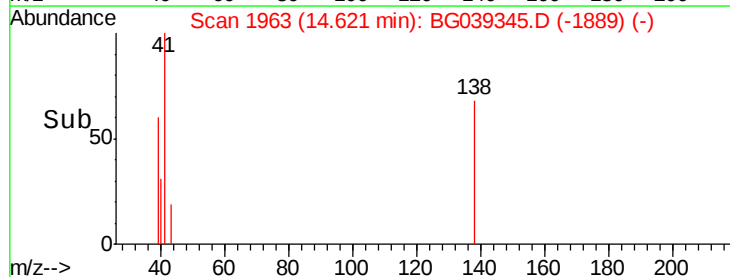
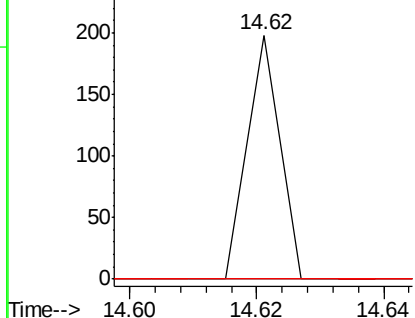


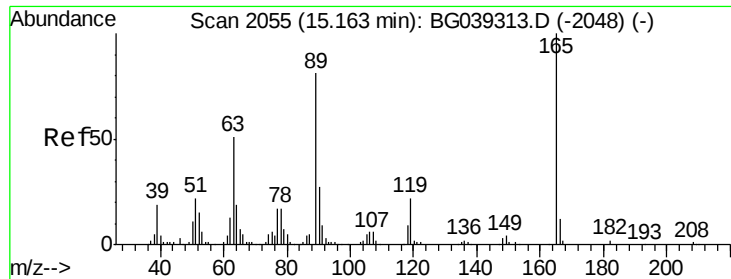
#53
 3-Nitroaniline
 Concen: 5.820 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.09 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:138 Resp: 70
 Ion Ratio Lower Upper
 138 100
 108 0.0 13.8 20.8#
 92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
 250 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BG

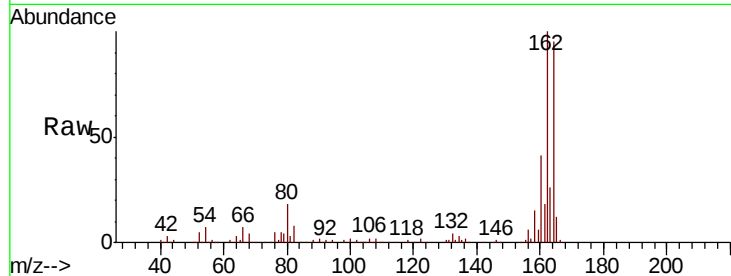




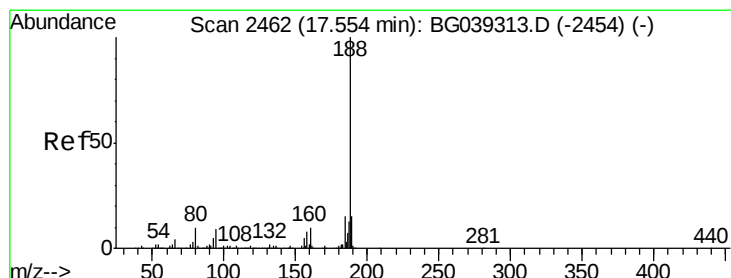
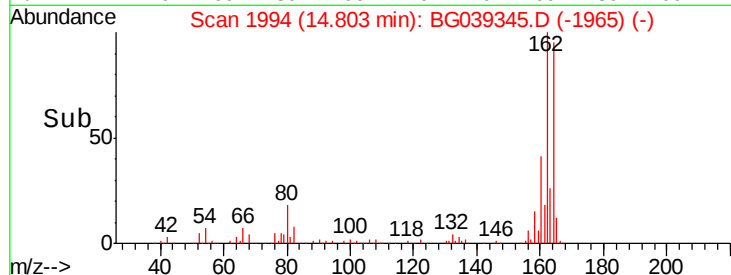
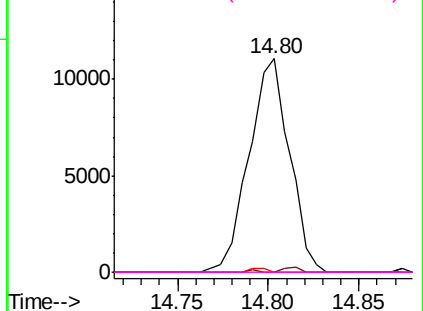
#57
 2,4-Dinitrotoluene
 Concen: 13.185 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.36 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

Tot Ion:165 Resp: 17176
 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#

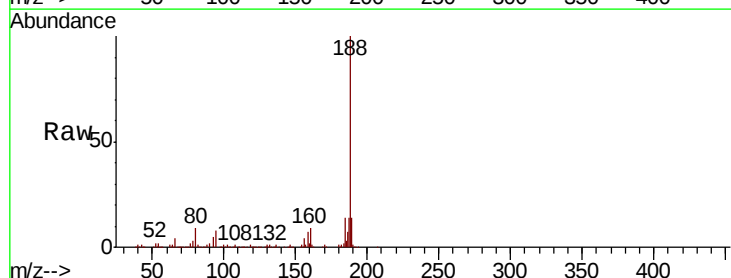


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

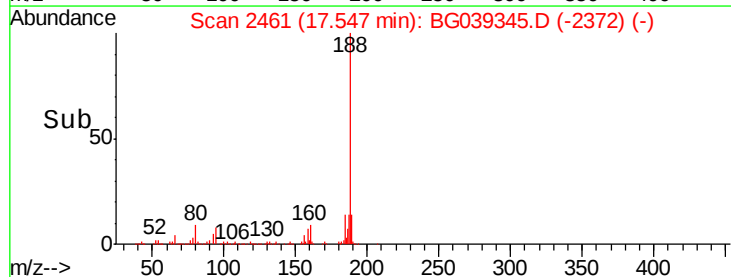
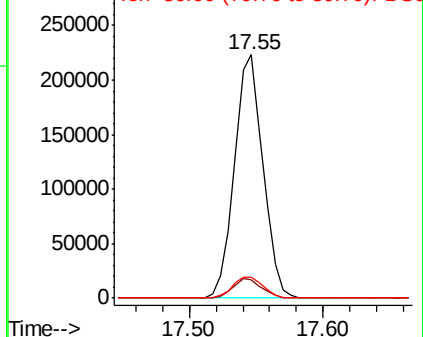


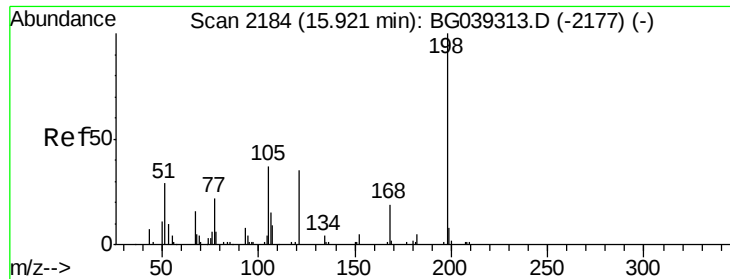
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.55 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:188 Resp: 330599
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.9 10.3
 80 8.8 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

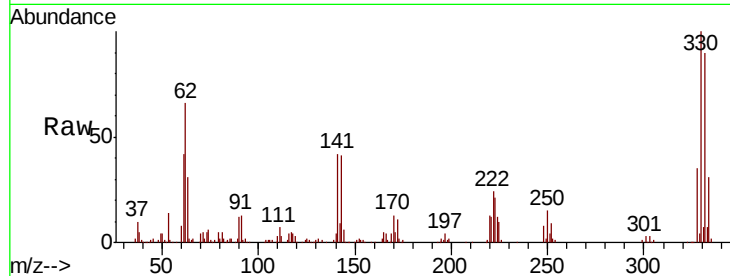




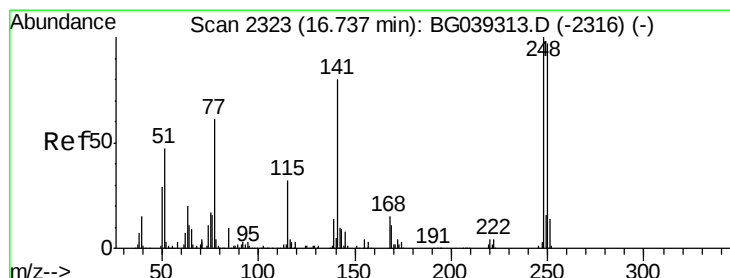
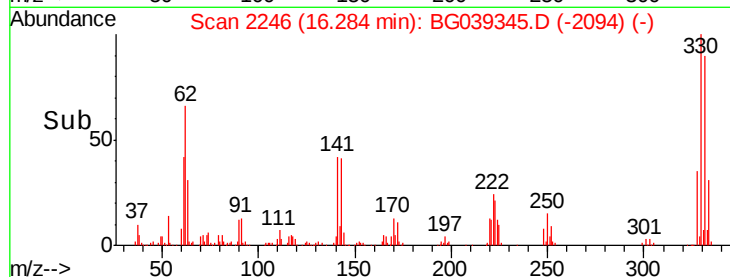
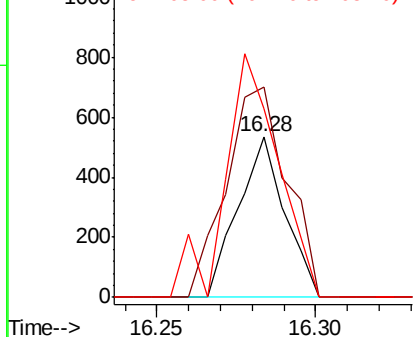
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.701 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

Tot Ion:198 Resp: 543
 Ion Ratio Lower Upper
 198 100
 51 131.0 27.4 67.4#
 105 117.8 19.7 59.7#

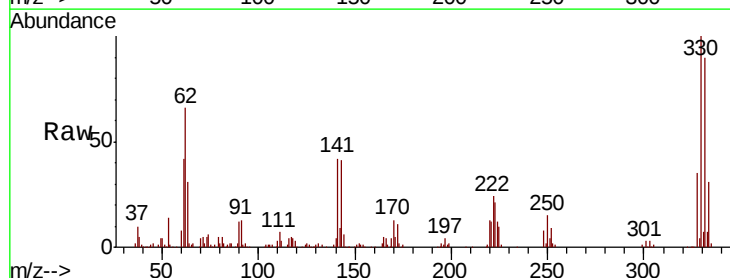


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

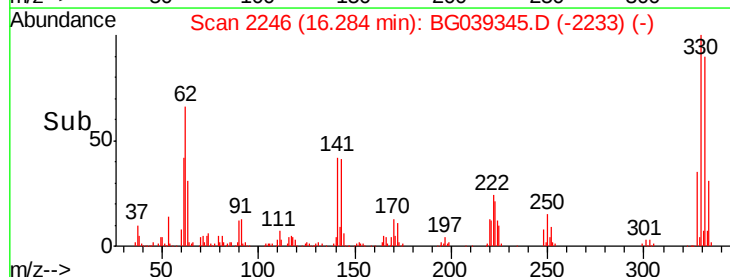
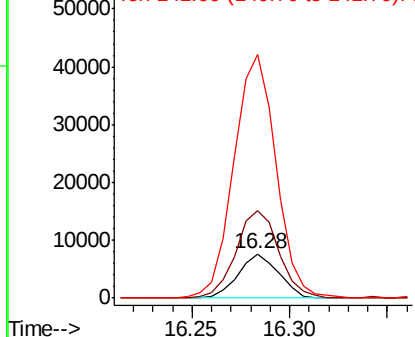


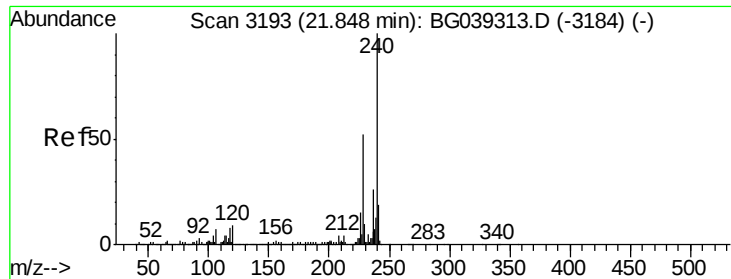
#67
 4-Bromophenyl-phenylether
 Concen: 3.021 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:248 Resp: 11079
 Ion Ratio Lower Upper
 248 100
 250 197.3 77.6 116.4#
 141 549.1 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

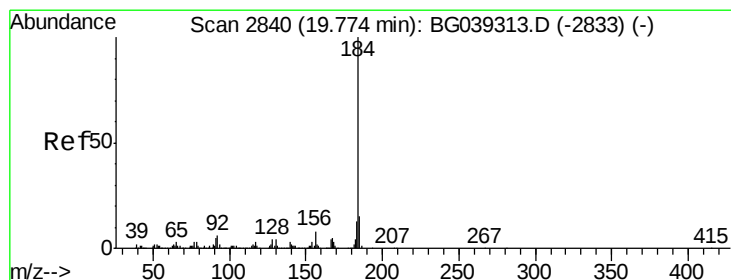
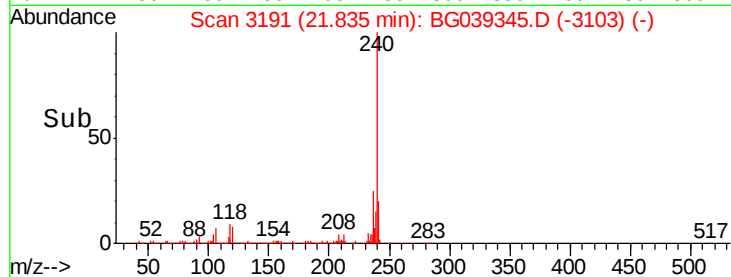
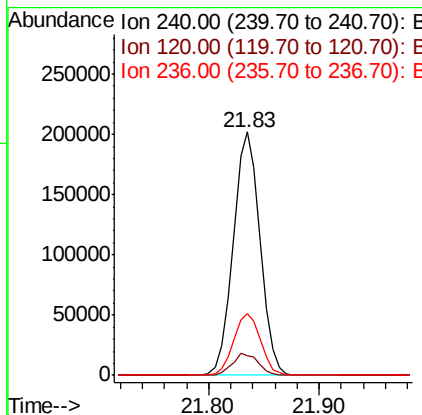
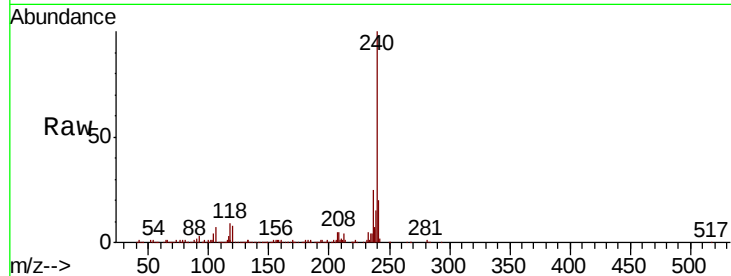




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

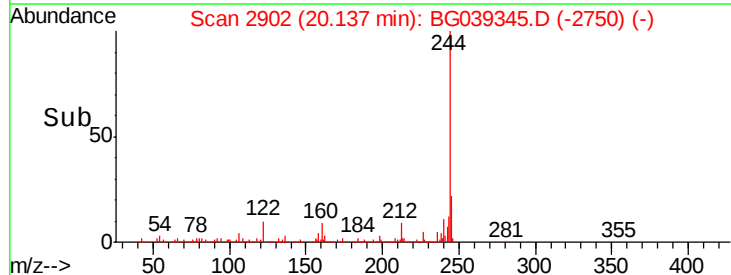
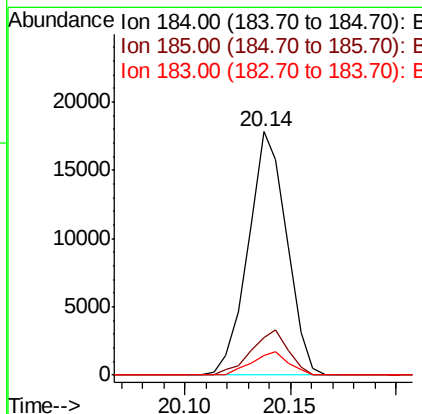
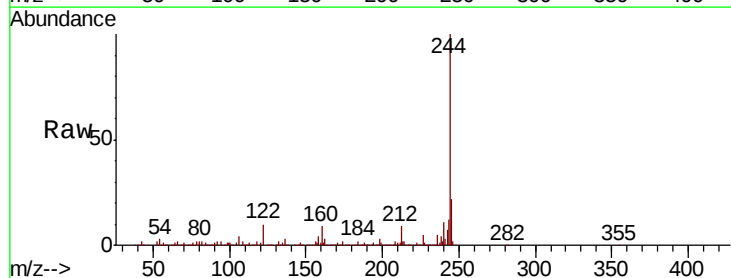
Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

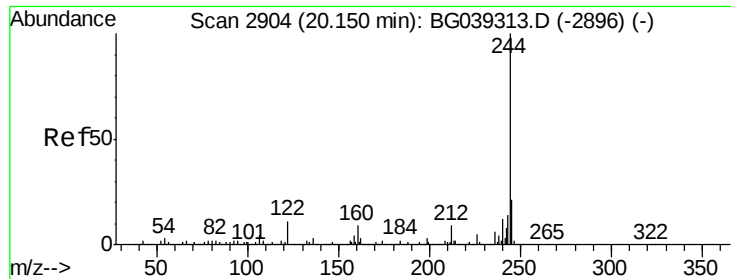
Tot Ion:240 Resp: 343872
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 25.2 21.0 31.4



#77
 Benzidine
 Concen: 2.003 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. 0.36 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:184 Resp: 22578
 Ion Ratio Lower Upper
 184 100
 185 15.6 12.2 18.2
 183 7.8 10.6 15.8#

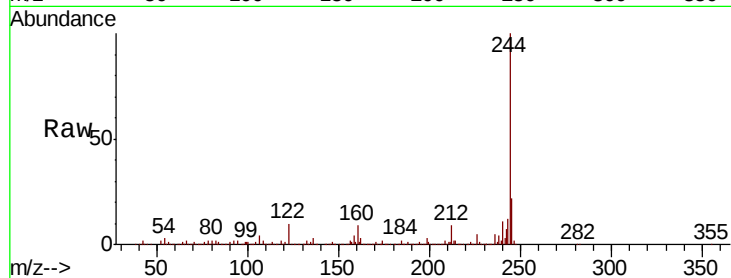




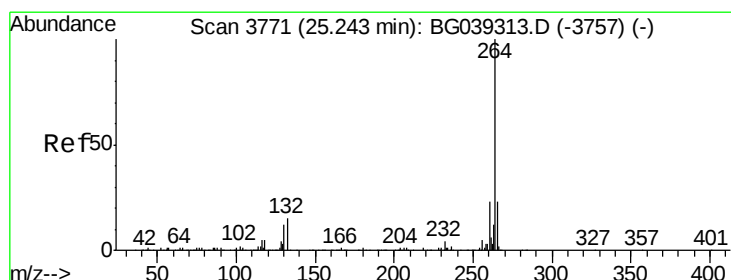
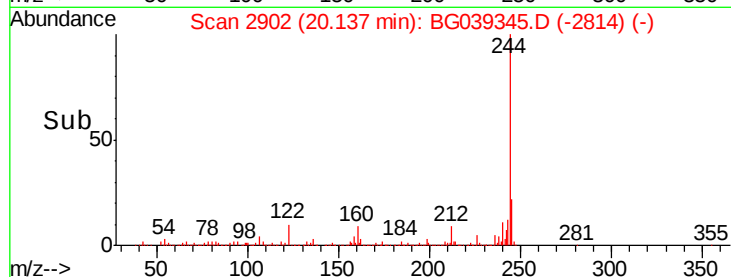
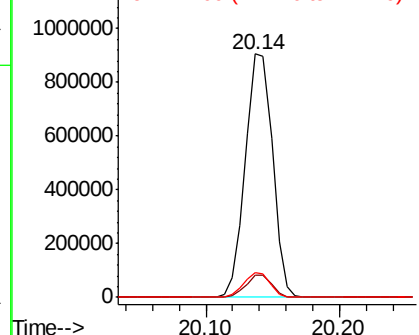
#79
 Terphenyl-d14
 Concen: 78.482 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. -0.01 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Instrument :
 BNA_F
 ClientSampleId :
 013019-SIDI-E-D-S

Tot Ion:244 Resp: 1275000
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.3 10.9
 122 10.1 8.4 12.6

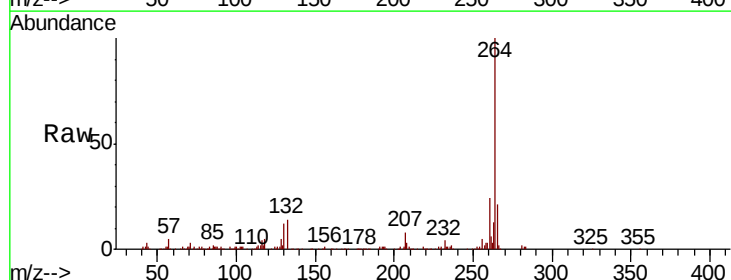


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.22 min Scan# 3768
 Delta R.T. -0.02 min
 Lab File: BG039345.D
 Acq: 1 Feb 2019 16:36

Tgt Ion:264 Resp: 346706
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.4
 265 20.9 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

