

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039594.D
 Acq On : 25 Feb 2019 19:50
 Operator : JU/SJ
 Sample : K1356-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-022219-A

Quant Time: Feb 25 21:43:34 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

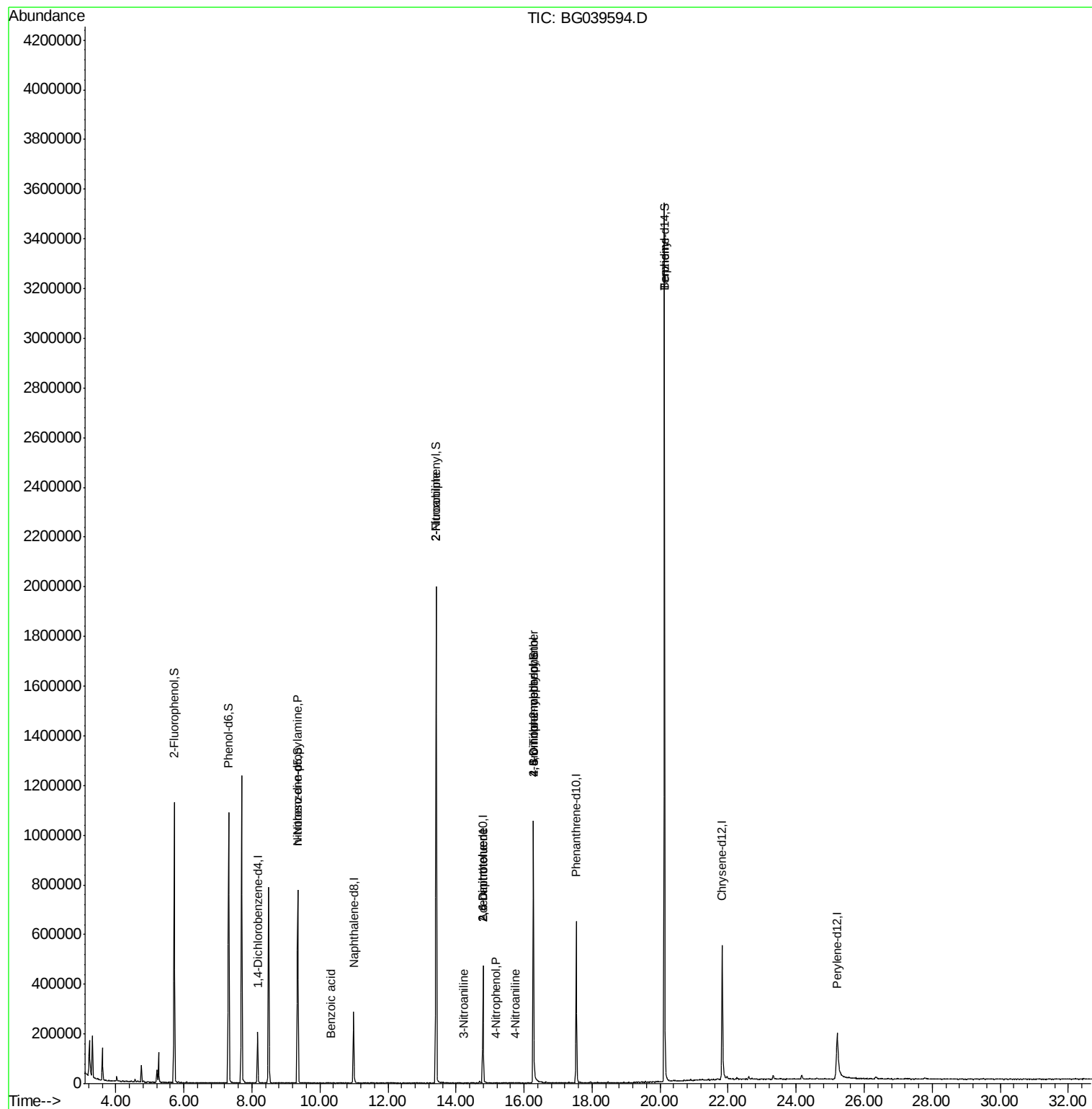
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	55854	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	244595	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	172427	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	404886	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	401512	20.00	ng	-0.02
87) Perylene-d12	25.21	264	289131	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	476762	146.09	ng	0.00
7) Phenol-d6	7.31	99	644893	134.25	ng	0.00
23) Nitrobenzene-d5	9.35	82	460593	117.64	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	202122	108.86	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1090790	90.75	ng	-0.02
79) Terphenyl-d14	20.13	244	1727291	91.06	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1113	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	60505	17.746	ng	# 4
32) Benzoic acid	10.32	122	233	9.103	ng	# 73
48) 2-Nitroaniline	13.42	65	1825	8.783	ng	# 92
51) 2,6-Dinitrotoluene	14.79	165	20933	13.503	ng	# 1
53) 3-Nitroaniline	14.21	138	57	5.811	ng	# 26
56) 4-Nitrophenol	15.19	139	507	5.981	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20933	13.081	ng	# 1
62) 4-Nitroaniline	15.74	138	72	4.225	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	708	4.735	ng	# 10
67) 4-Bromophenyl-phenylether	16.27	248	16193	3.605	ng	# 66
77) Benzidine	20.13	184	31339	2.381	ng	# 1
						# 91

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

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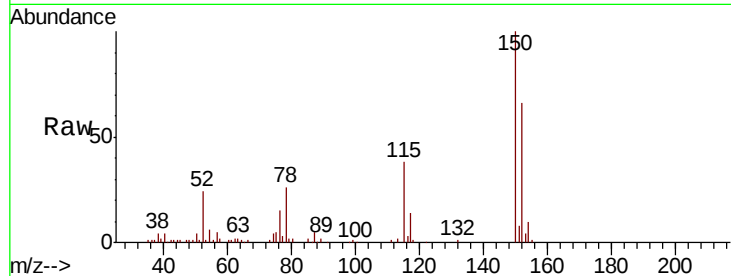


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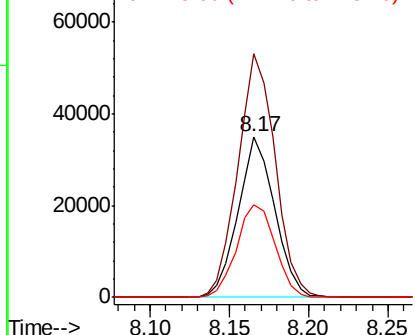
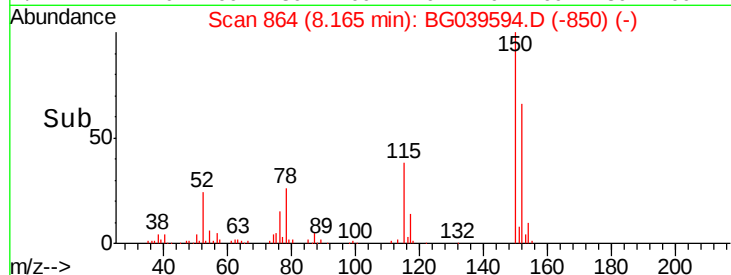
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-A

Tgt Ion:152 Resp: 55854
Ion Ratio Lower Upper
152 100
150 151.7 123.7 185.5
115 57.9 45.9 68.9



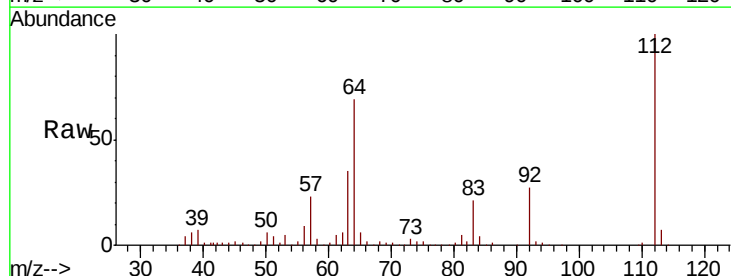
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



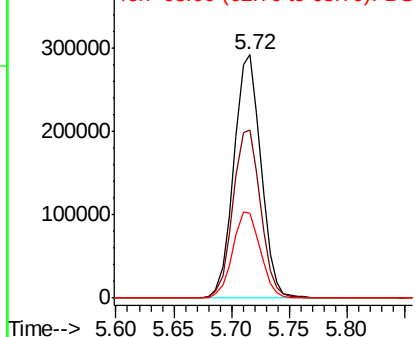
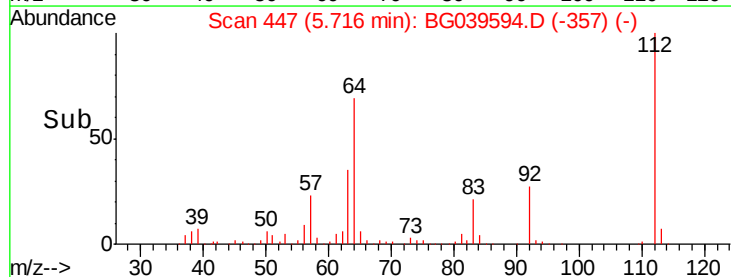
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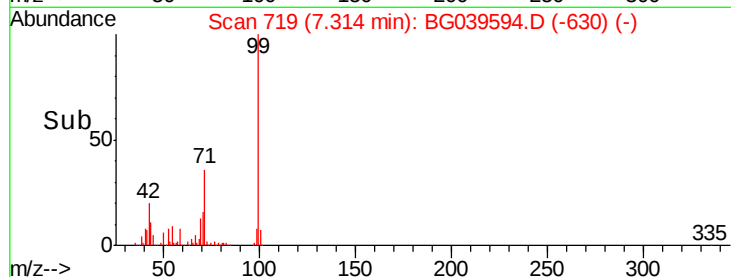
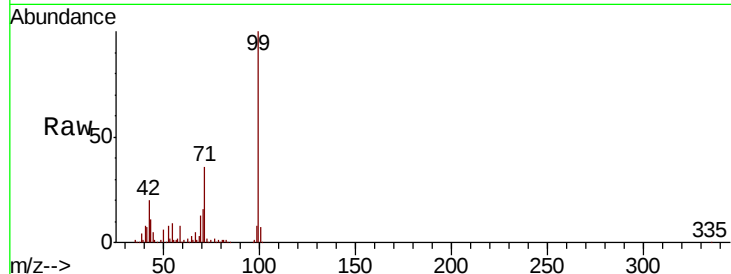
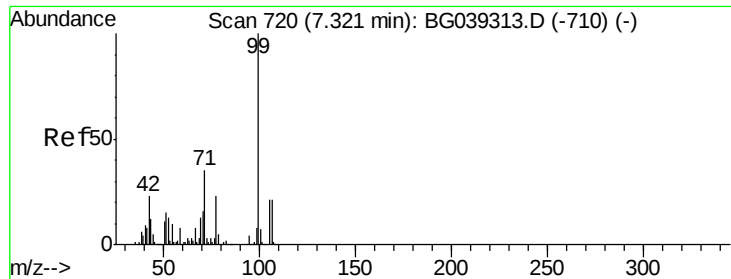
2-Fluorophenol
Concen: 146.092 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

Tgt Ion:112 Resp: 476762
Ion Ratio Lower Upper
112 100
64 69.1 57.8 86.8
63 35.1 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: 134.250 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-A

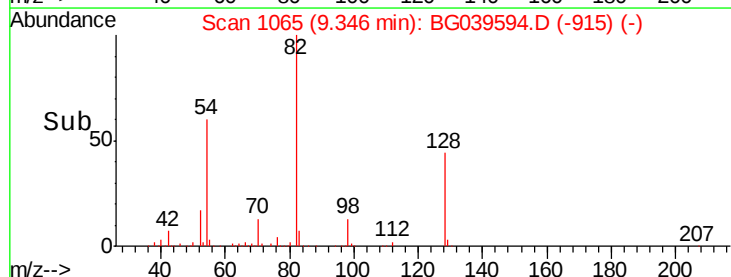
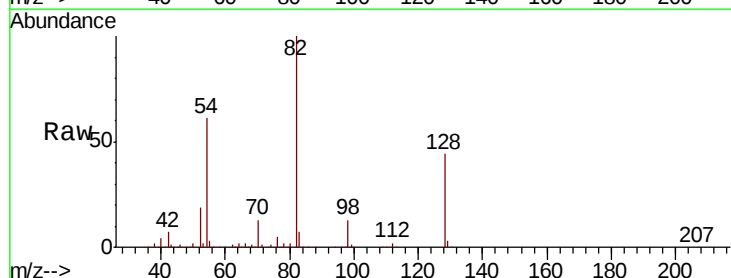
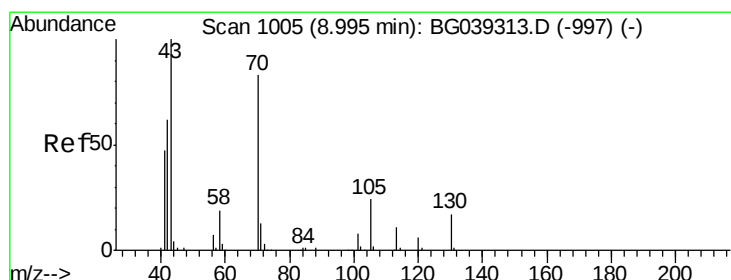
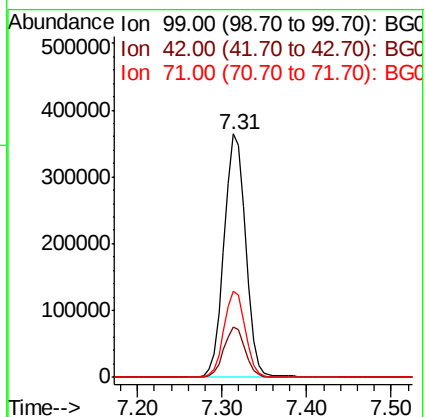
Tgt Ion: 99 Resp: 644893

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.746 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Tgt Ion: 70 Resp: 60505

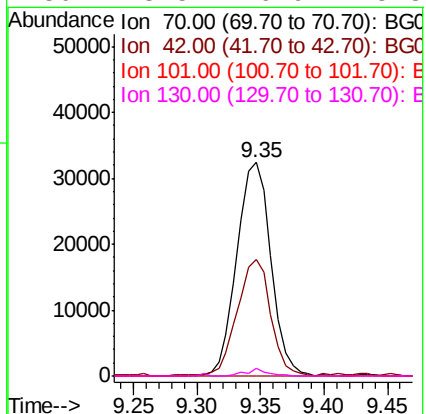
Ion Ratio Lower Upper

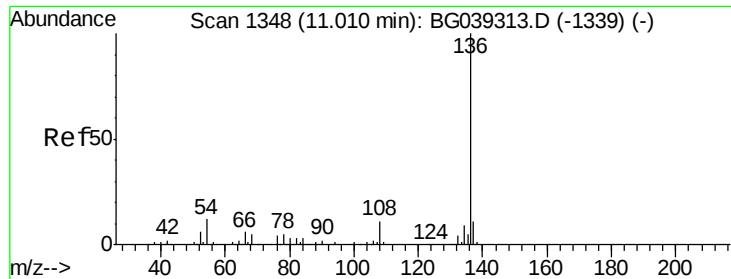
70 100

42 54.8 60.4 90.6#

101 0.0 7.5 11.3#

130 3.5 16.9 25.3#

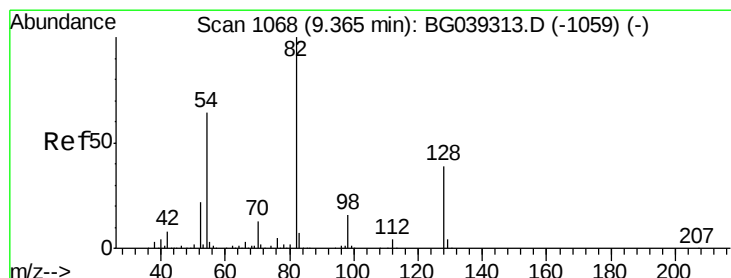
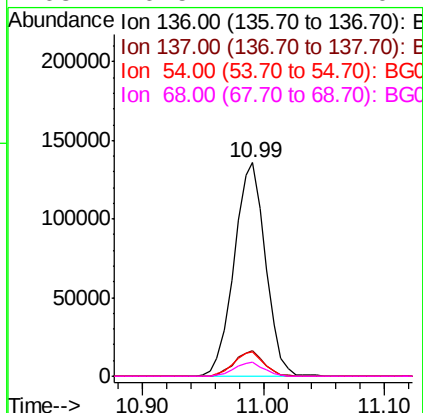
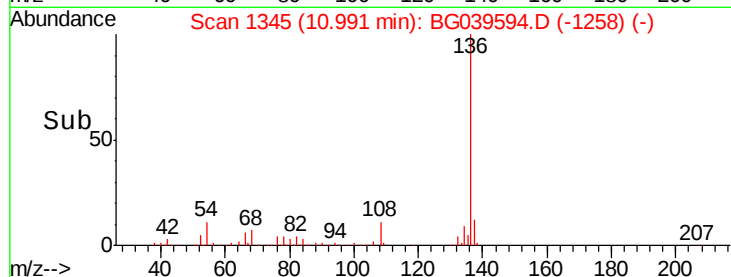
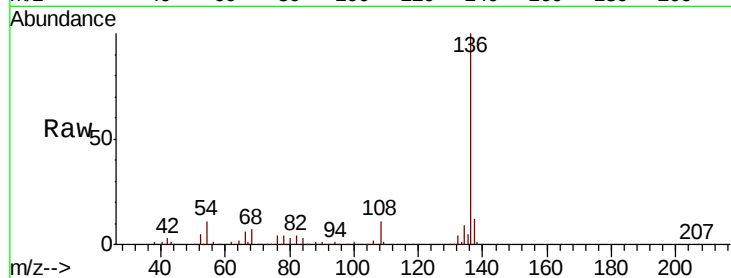




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

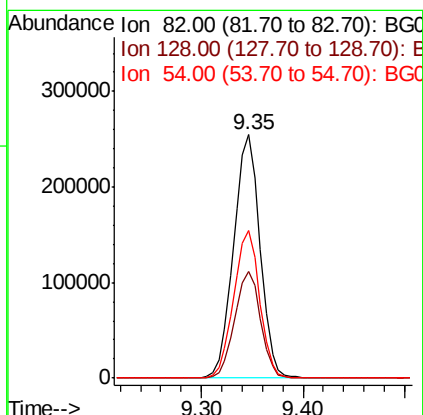
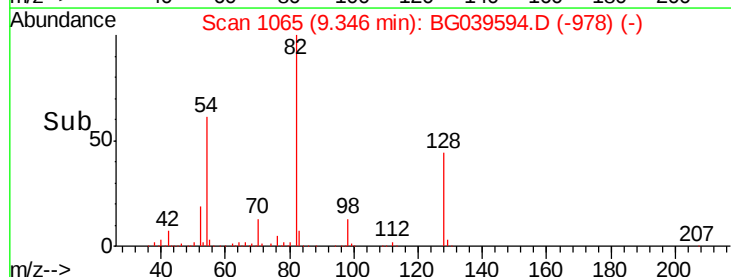
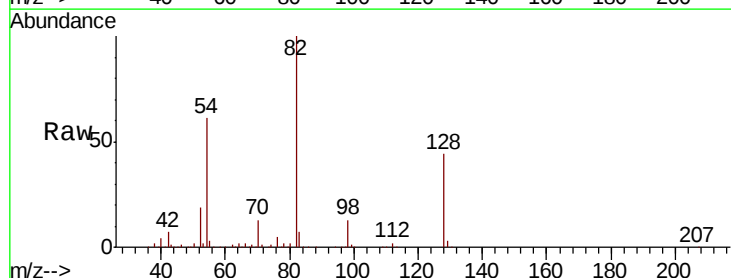
Instrument :
BNA_G
ClientSampleId :
SU-02-022219-A

Tgt Ion:	136	Resp:	244595
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	11.2	9.4	14.2
68	6.5	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 117.639 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

Tgt Ion:	82	Resp:	460593
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	60.5	50.9	76.3





#32

Benzoic acid

Concen: 9.103 ng

RT: 10.32 min Scan# 1230

Delta R.T. 0.05 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-A

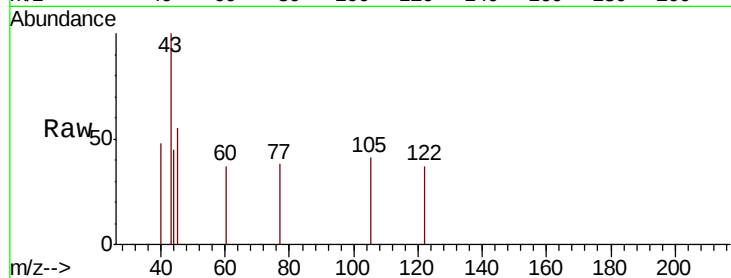
Tgt Ion:122 Resp: 233

Ion Ratio Lower Upper

122 100

105 111.5 101.8 141.8

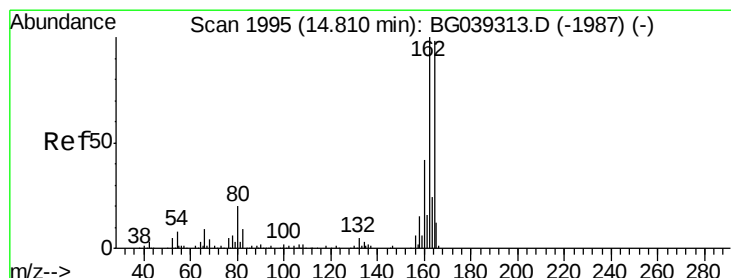
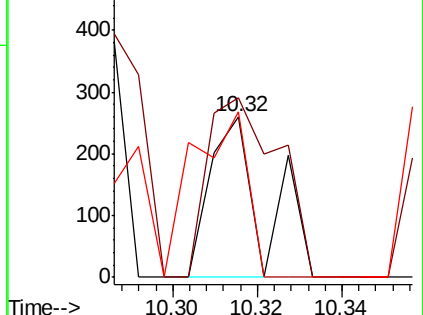
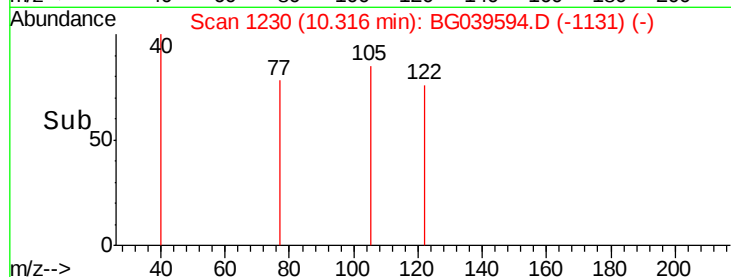
77 102.7 76.3 116.3



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

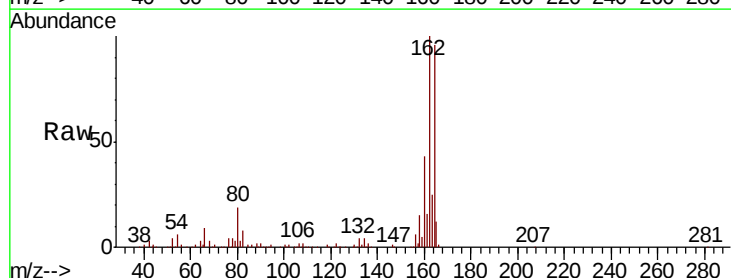
Tgt Ion:164 Resp: 172427

Ion Ratio Lower Upper

164 100

162 104.0 81.6 122.4

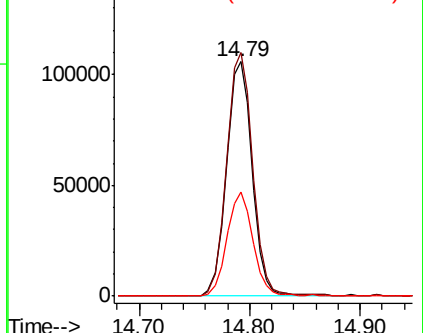
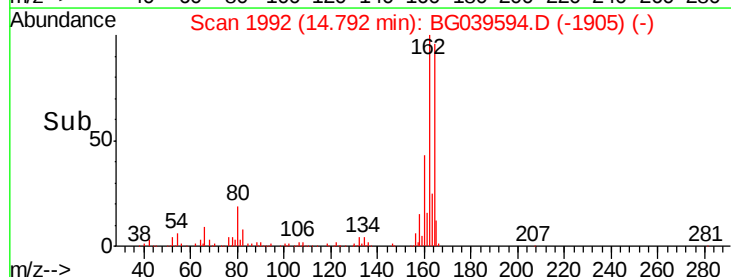
160 44.4 34.2 51.2

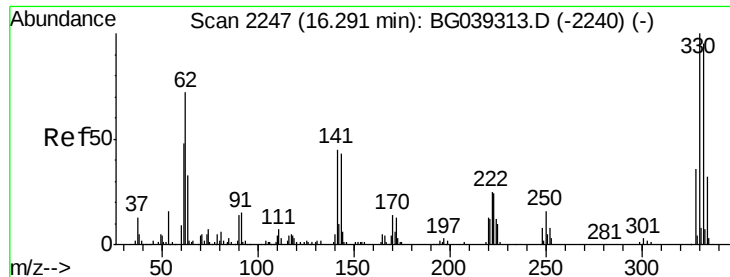


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

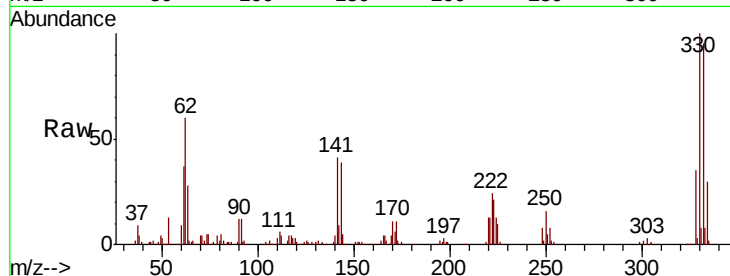




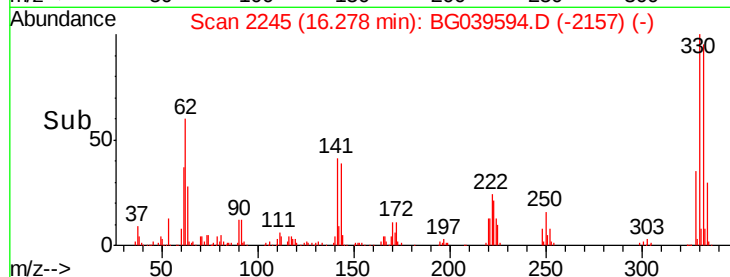
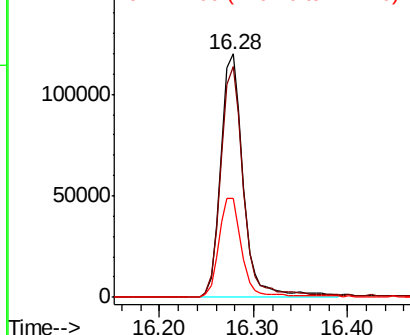
#42
 2,4,6-Tribromophenol
 Concen: 108.858 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039594.D
 Acq: 25 Feb 2019 19:50

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-022219-A

Tgt Ion:330 Resp: 202122
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.7 113.5
 141 41.6 35.6 53.4

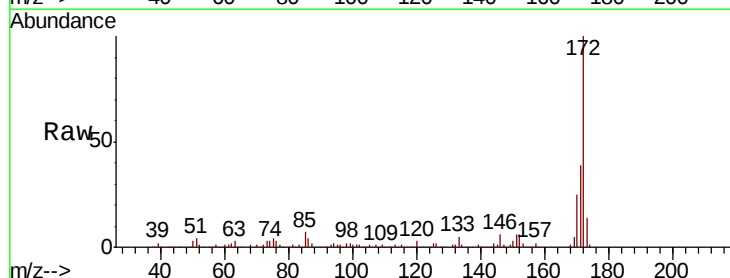


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

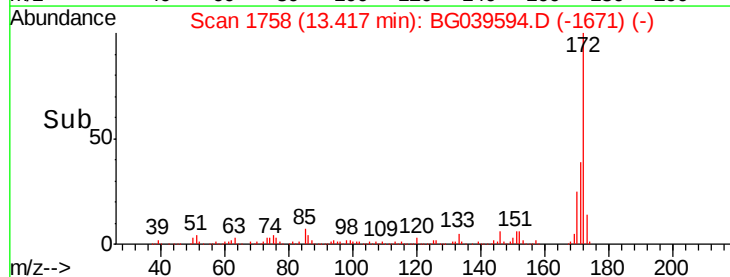
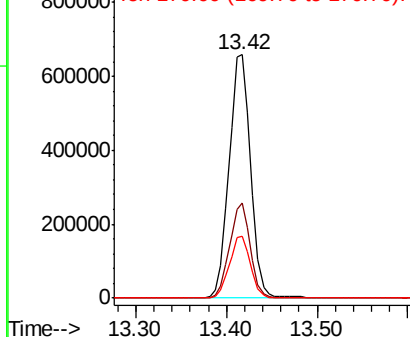


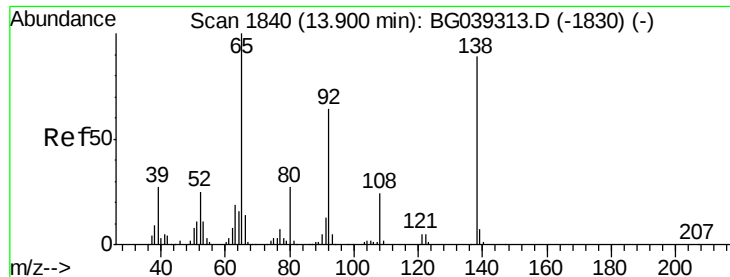
#45
 2-Fluorobiphenyl
 Concen: 90.751 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039594.D
 Acq: 25 Feb 2019 19:50

Tgt Ion:172 Resp: 1090790
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.8 46.2
 170 25.3 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

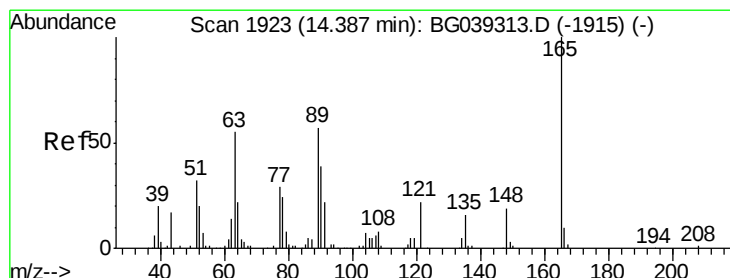
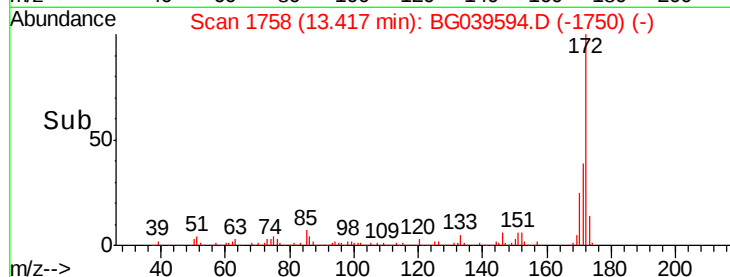
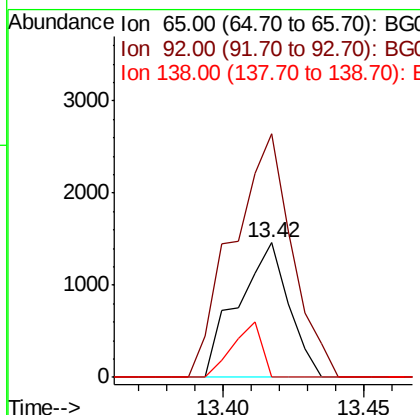
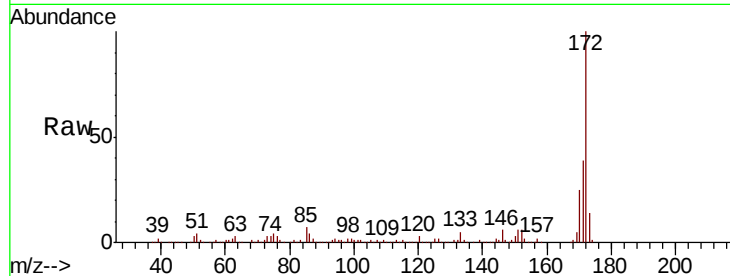




#48
2-Nitroaniline
Concen: 8.783 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

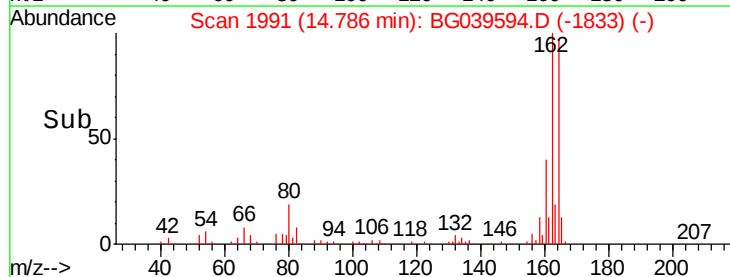
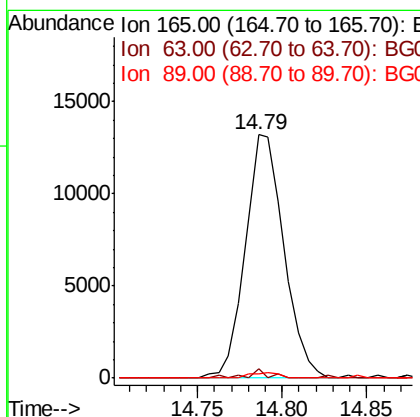
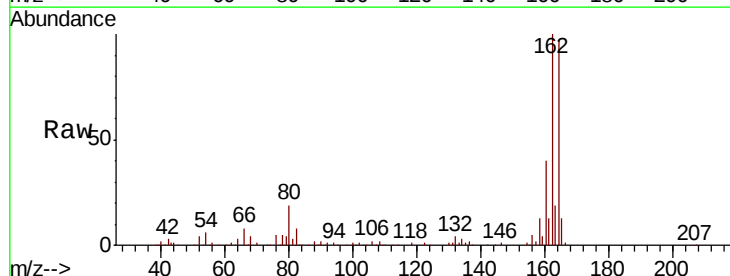
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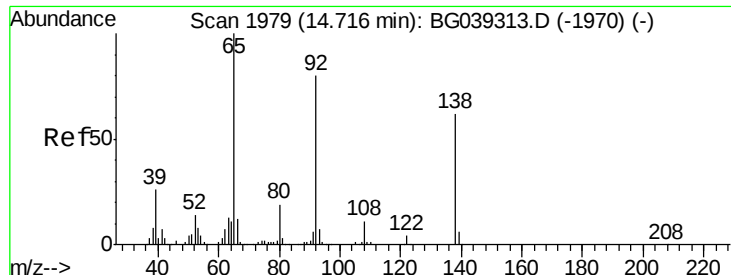
Tgt Ion: 65 Resp: 1825
Ion Ratio Lower Upper
65 100
92 181.1 51.4 77.2#
138 0.0 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 13.503 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.40 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

Tgt Ion: 165 Resp: 20933
Ion Ratio Lower Upper
165 100
63 3.6 47.0 70.6#
89 1.8 45.8 68.8#





#53

3-Nitroaniline

Concen: 5.811 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.51 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-A

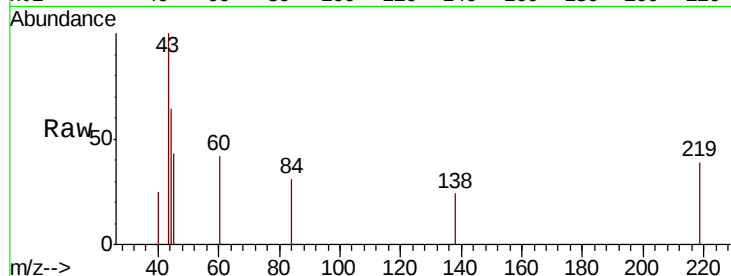
Tgt Ion:138 Resp: 57

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

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

14.21

150

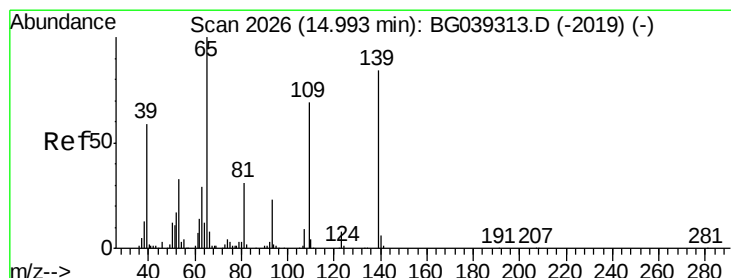
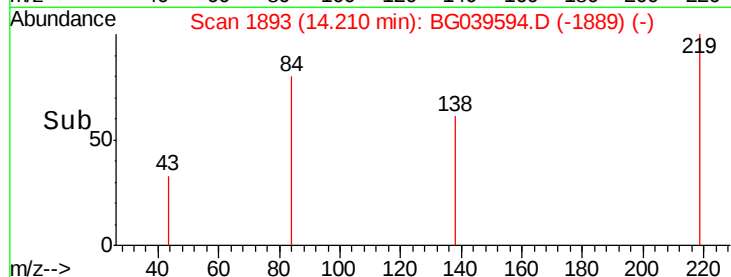
100

50

0

14.20 14.22

Time-->



#56

4-Nitrophenol

Concen: 5.981 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

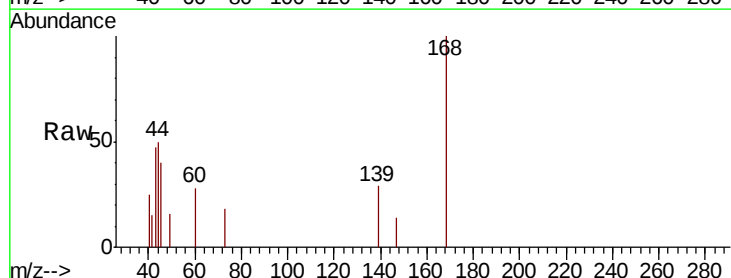
Tgt Ion:139 Resp: 507

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.19

400

300

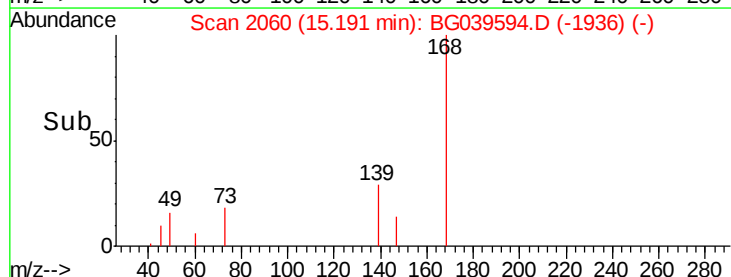
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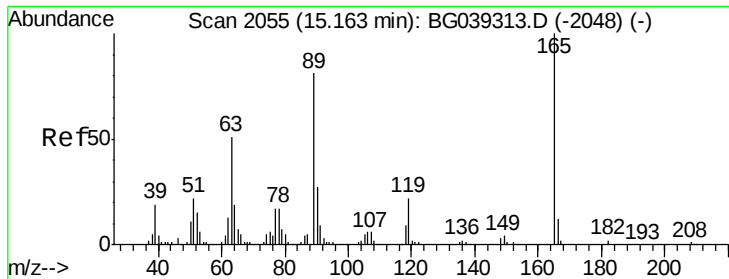
100

0

15.15 15.20

Time-->





#57

2,4-Dinitrotoluene

Concen: 13.081 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.38 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

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Tgt Ion:165 Resp: 20933

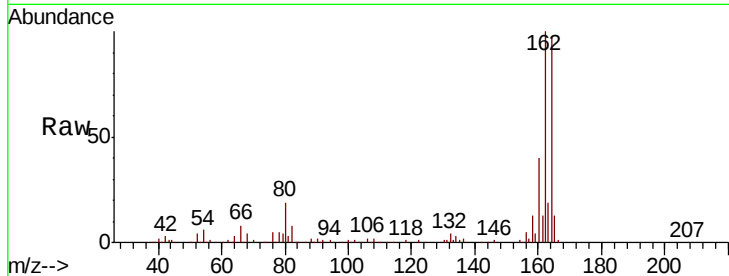
Ion Ratio Lower Upper

165 100

63 3.6 41.0 61.6#

89 1.8 64.6 96.8#

182 0.0 2.0 3.0#

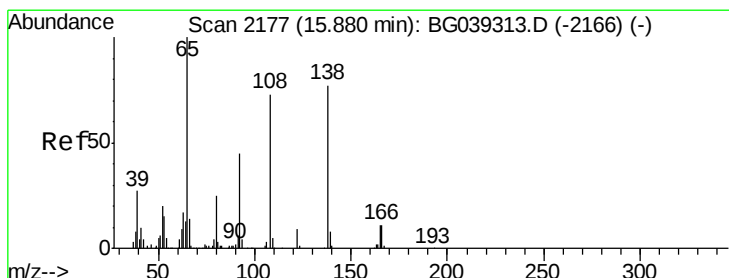
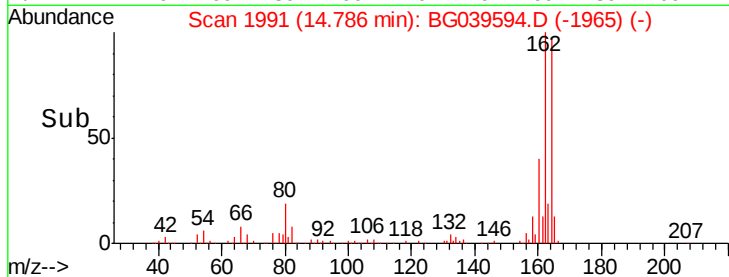
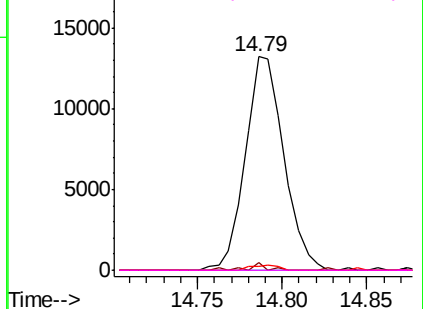


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.225 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.14 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

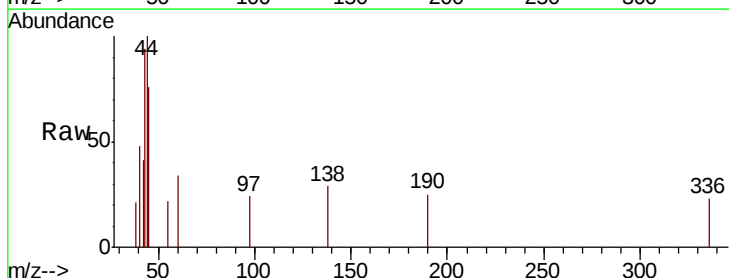
Tgt Ion:138 Resp: 72

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

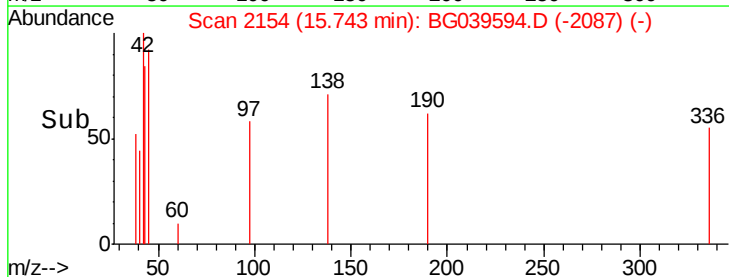
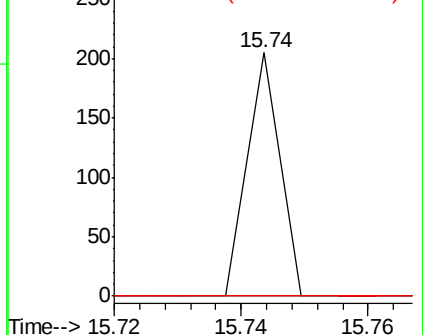
108 0.0 74.6 114.6#

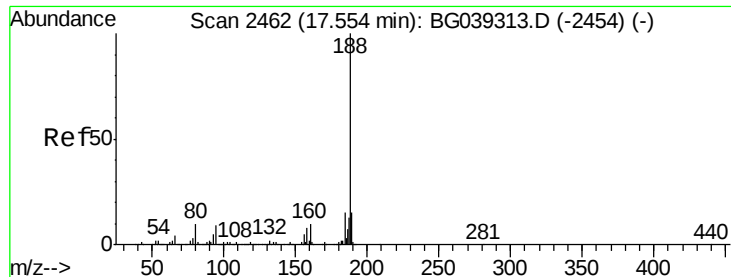


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

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: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-A

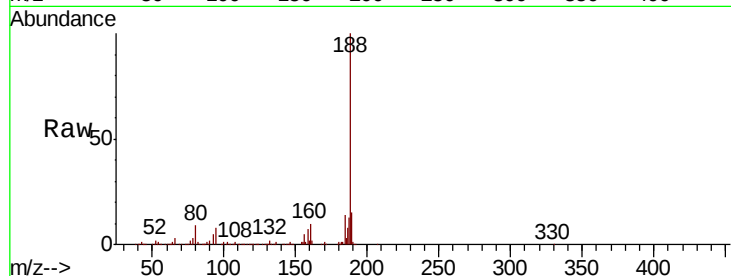
Tgt Ion:188 Resp: 404886

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

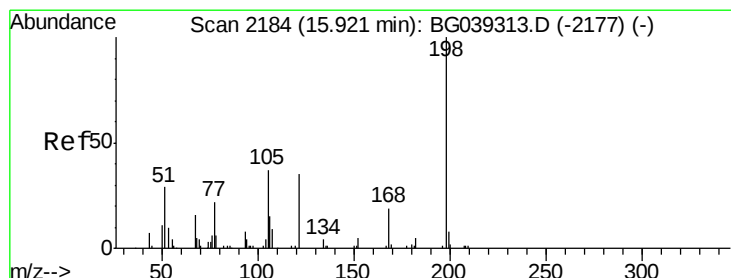
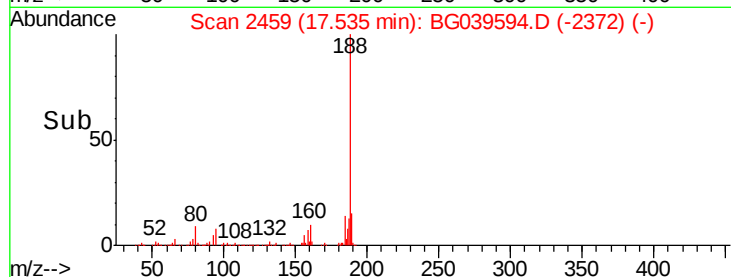
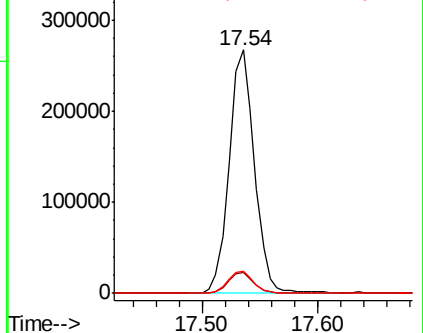
80 9.0 8.1 12.1



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: 4.735 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

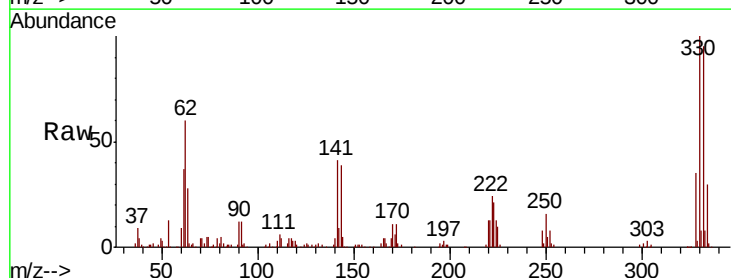
Tgt Ion:198 Resp: 708

Ion Ratio Lower Upper

198 100

51 53.9 27.4 67.4

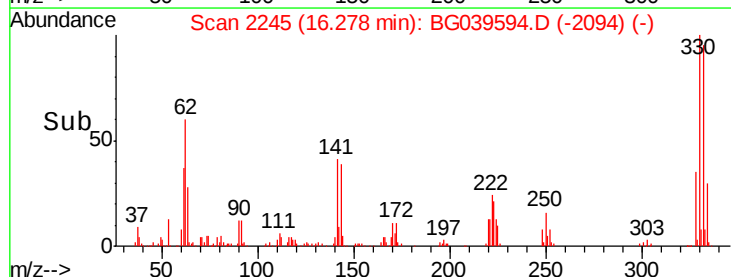
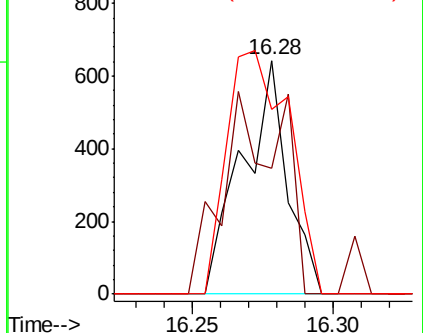
105 78.9 19.7 59.7#

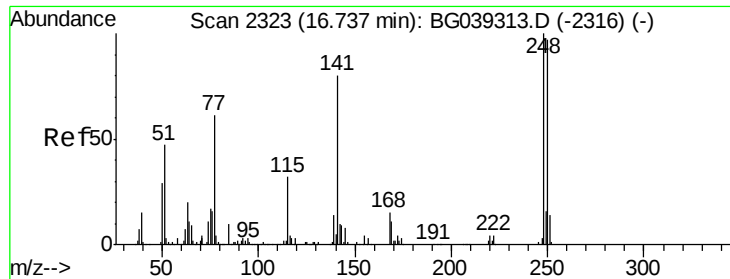


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

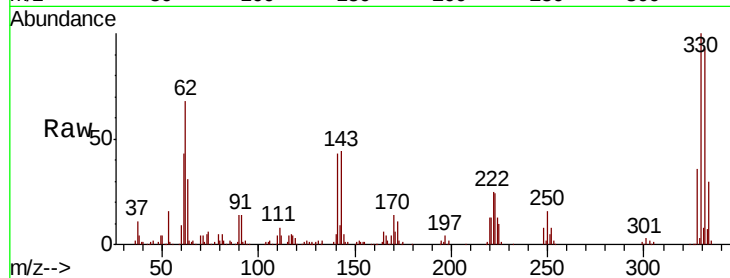




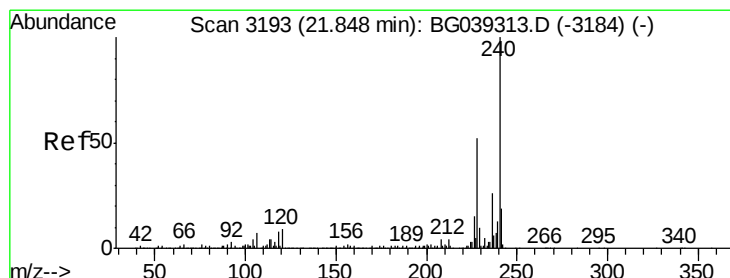
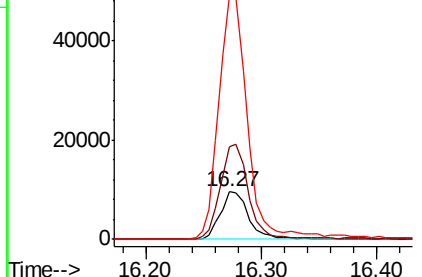
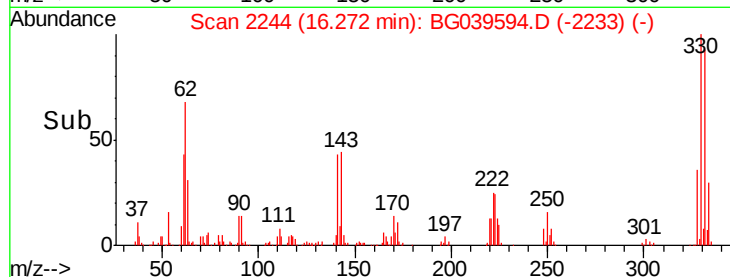
#67
 4-Bromophenyl-phenylether
 Concen: 3.605 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.47 min
 Lab File: BG039594.D
 Acq: 25 Feb 2019 19:50

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-022219-A

Tgt Ion:248 Resp: 16193
 Ion Ratio Lower Upper
 248 100
 250 194.7 77.6 116.4#
 141 515.5 63.9 95.9#

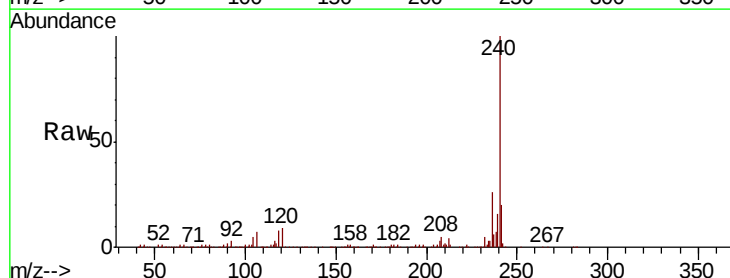


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

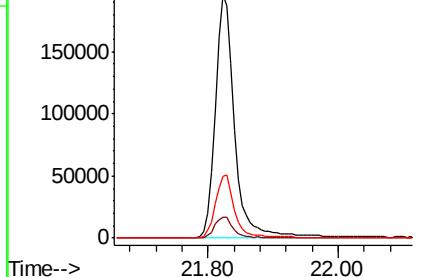
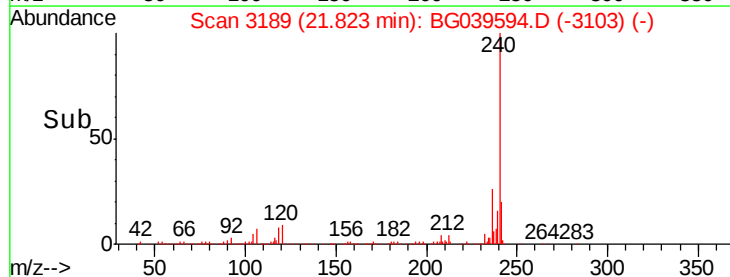


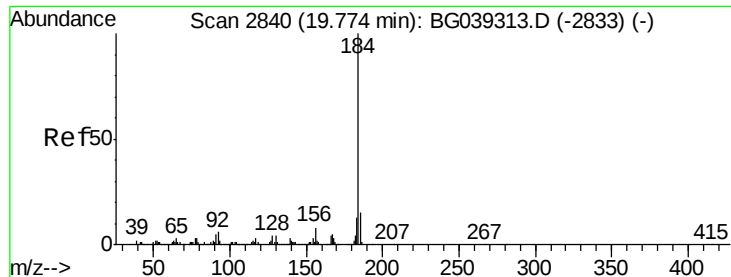
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039594.D
 Acq: 25 Feb 2019 19:50

Tgt Ion:240 Resp: 401512
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 25.5 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: 2.381 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-A

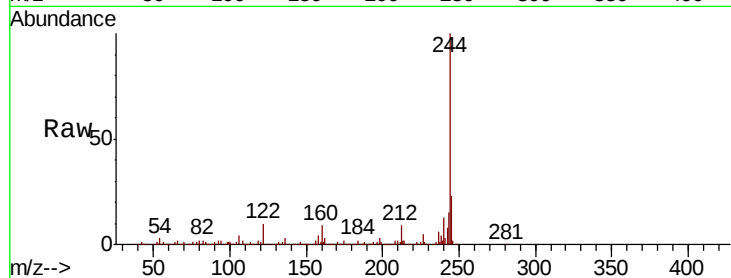
Tgt Ion:184 Resp: 31339

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

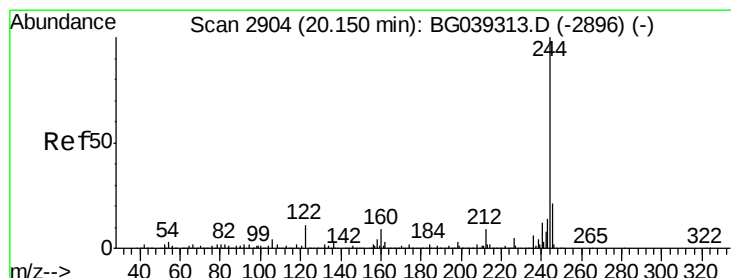
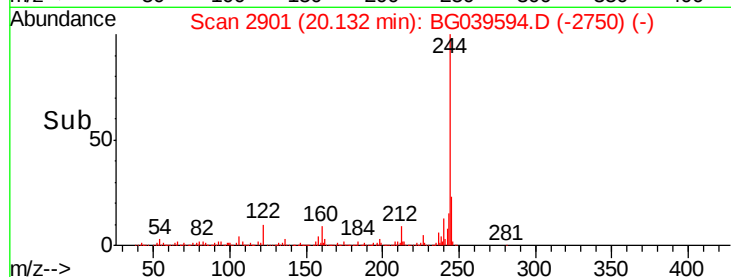
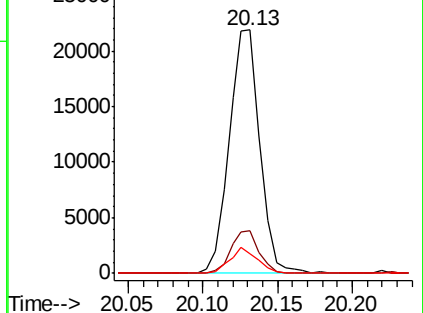
183 8.3 10.6 15.8#



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: 91.059 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039594.D

Acq: 25 Feb 2019 19:50

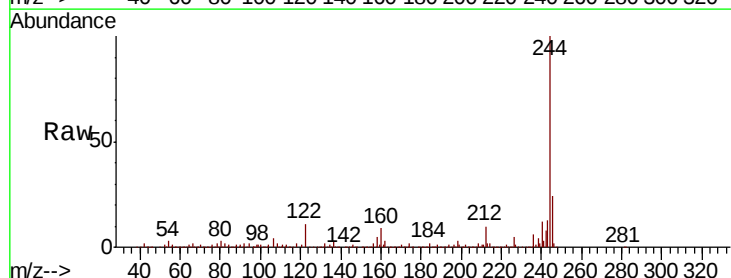
Tgt Ion:244 Resp: 1727291

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

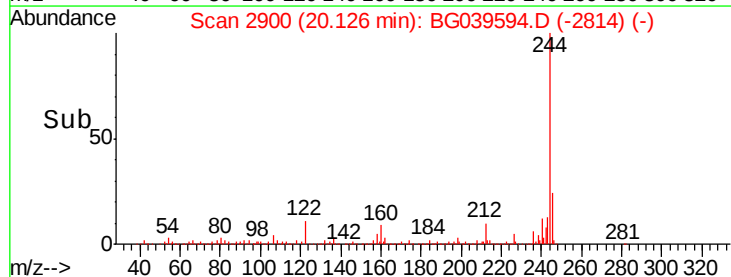
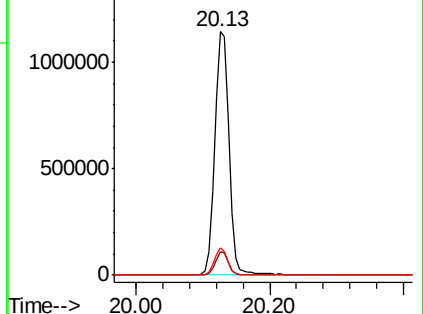
122 11.0 8.4 12.6

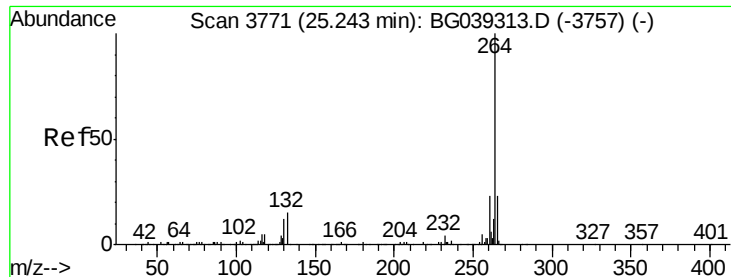


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039594.D
Acq: 25 Feb 2019 19:50

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.3	18.5	27.7

