

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039454.D
 Acq On : 12 Feb 2019 3:59
 Operator : JU/SJ
 Sample : K1424-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS2-RB200035

Quant Time: Feb 12 04:38:23 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	54839	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	239818	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	165919	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	411763	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	422128	20.00	ng	-0.02
87) Perylene-d12	25.21	264	428678	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	438444	136.84	ng	0.00
7) Phenol-d6	7.31	99	588826	124.85	ng	-0.01
23) Nitrobenzene-d5	9.35	82	414799	108.05	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	271928	152.20	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1023665	88.51	ng	-0.02
79) Terphenyl-d14	20.13	244	1670780	83.78	ng	-0.02

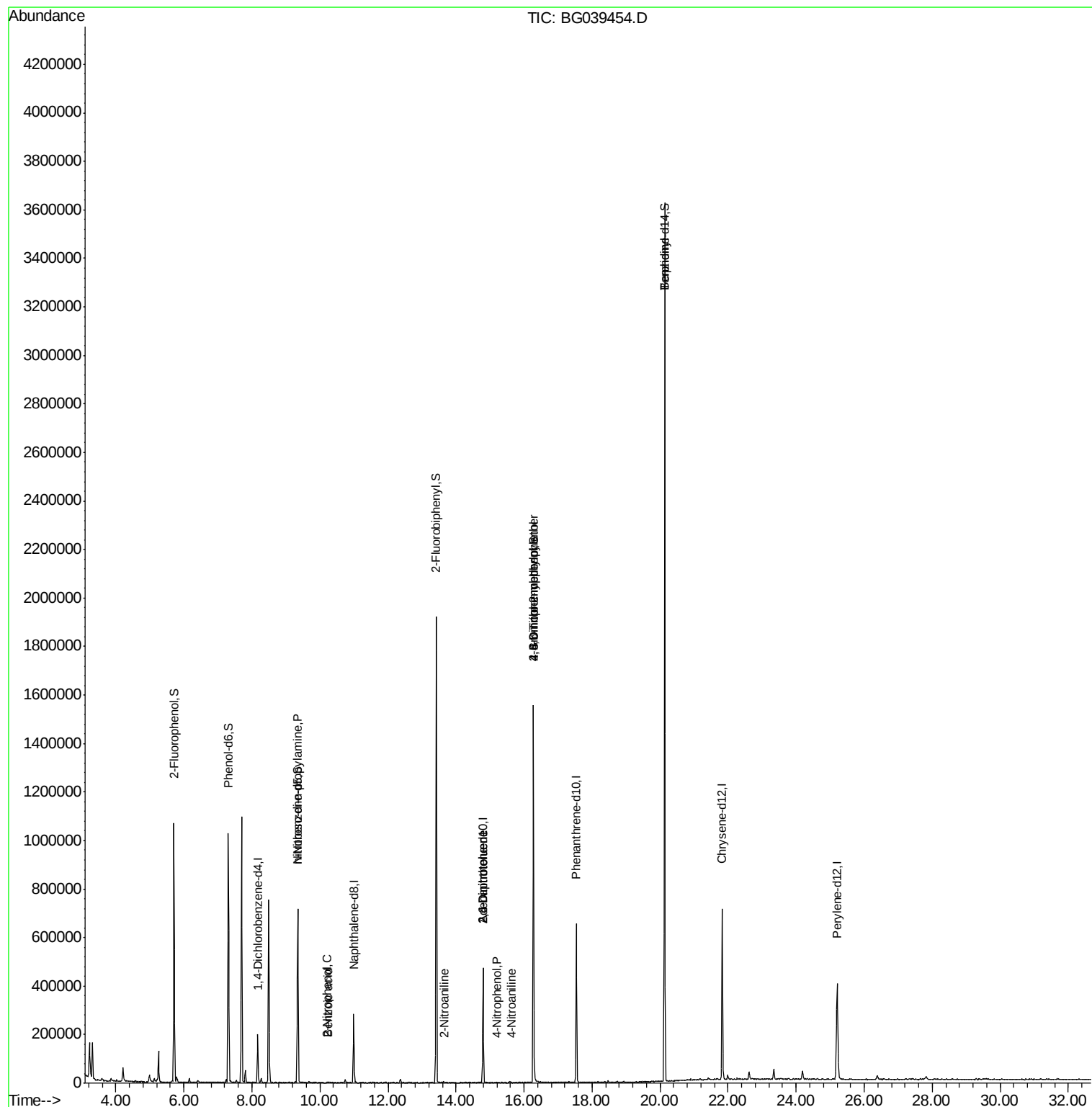
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1937	Below Cal		# 31
19) n-Nitroso-di-n-propylamine	9.35	70	55576	16.602	ng	# 69
26) 2-Nitrophenol	10.22	139	59	4.048	ng	# 31
32) Benzoic acid	10.24	122	654	9.257	ng	# 68
48) 2-Nitroaniline	13.66	65	71	8.316	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21421	13.943	ng	# 24
56) 4-Nitrophenol	15.19	139	102	5.833	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21421	13.414	ng	# 19
62) 4-Nitroaniline	15.63	138	55	4.220	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	1017	4.967	ng	# 3
67) 4-Bromophenyl-phenylether	16.28	248	22278	4.877	ng	# 1
77) Benzidine	20.13	184	30391	2.196	ng	95

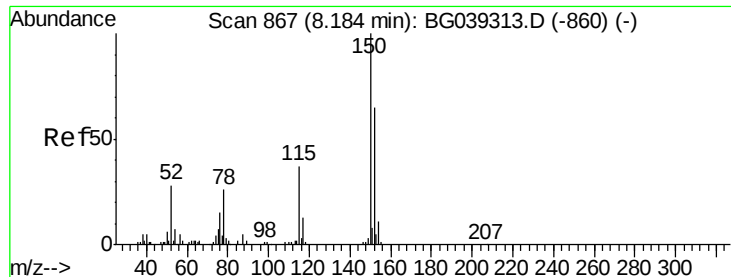
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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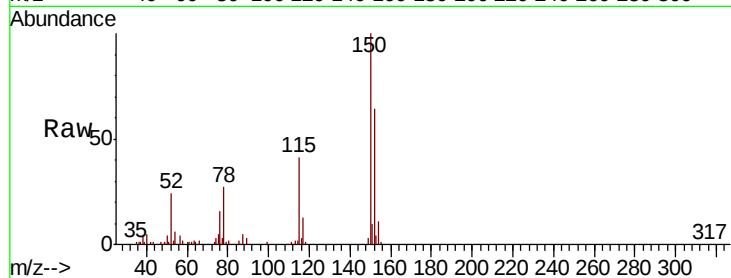


#1

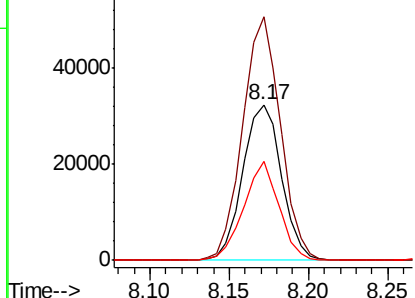
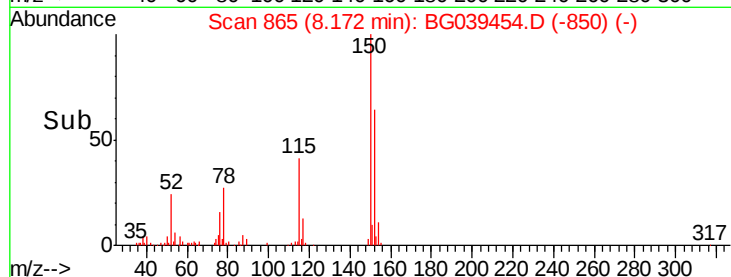
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039454.D
Acq: 12 Feb 2019 3:59

Instrument :
BNA_G
ClientSampleId :
SS2-RB200035

Tgt Ion:152 Resp: 54839
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 64.1 45.9 68.9



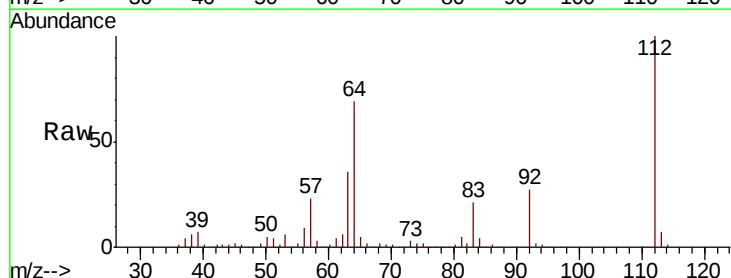
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



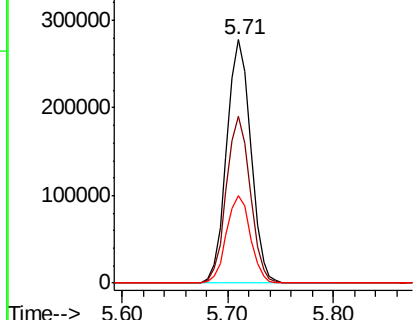
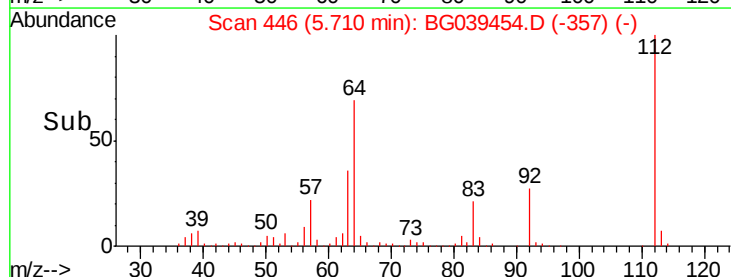
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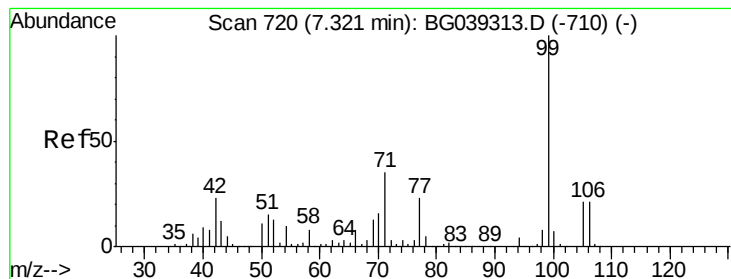
2-Fluorophenol
Concen: 136.837 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039454.D
Acq: 12 Feb 2019 3:59

Tgt Ion:112 Resp: 438444
Ion Ratio Lower Upper
112 100
64 68.7 57.8 86.8
63 35.7 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: 124.847 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

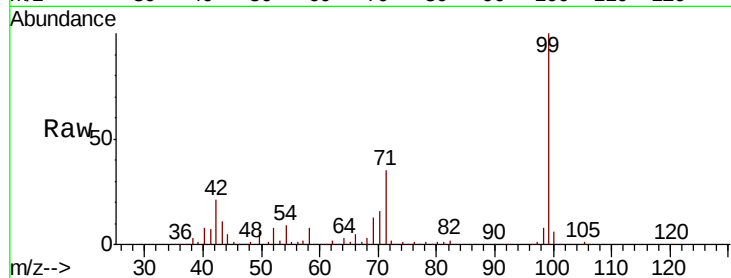
Tgt Ion: 99 Resp: 58826

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

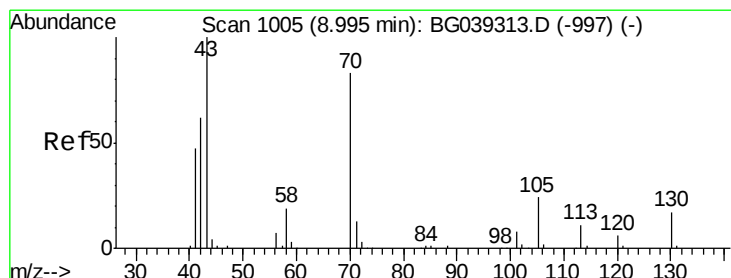
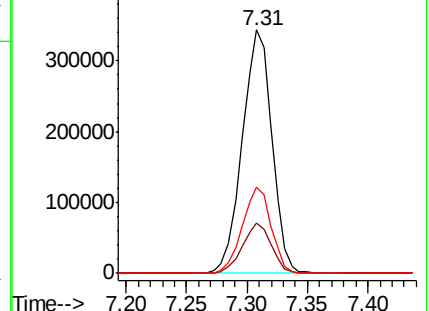
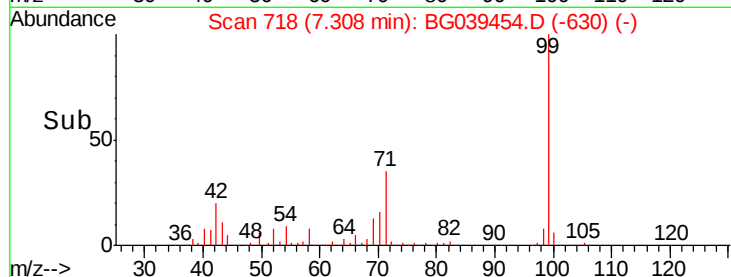
71 35.2 28.0 42.0



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: 16.602 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Tgt Ion: 70 Resp: 55576

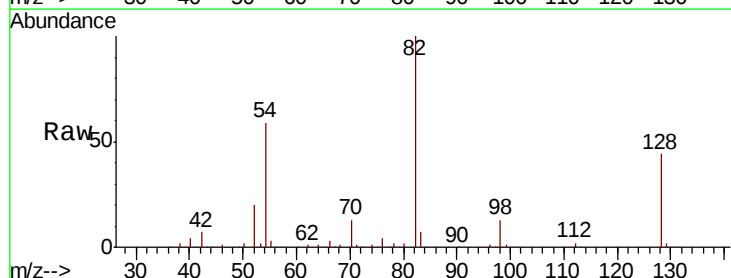
Ion Ratio Lower Upper

70 100

42 50.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

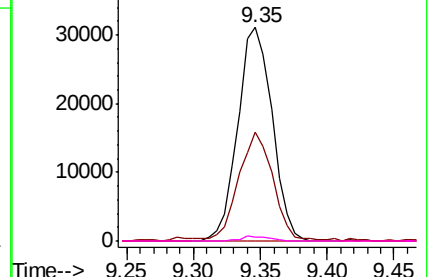
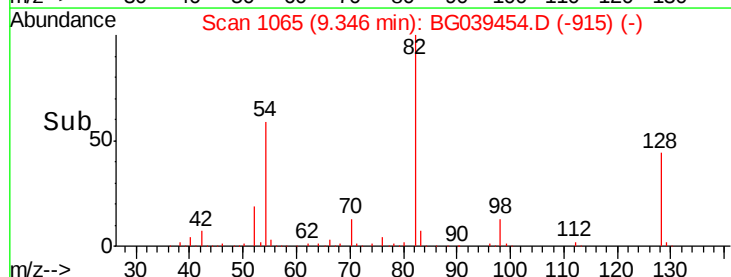


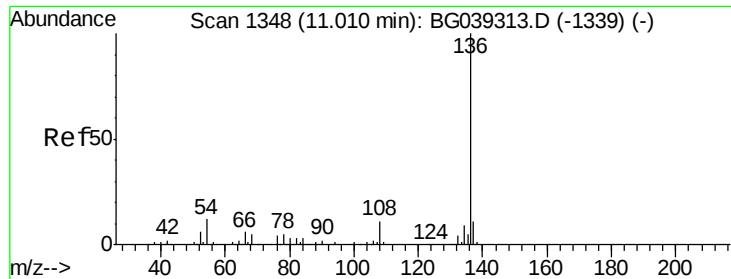
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

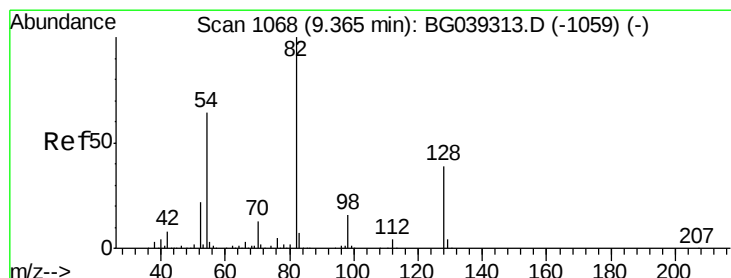
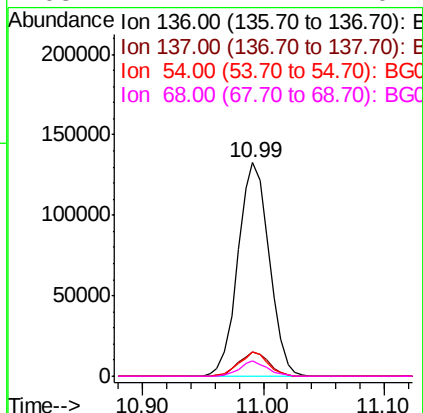
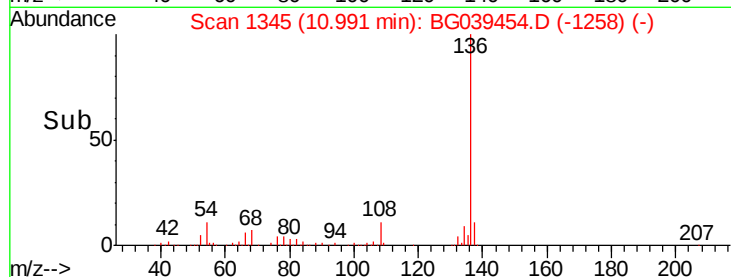
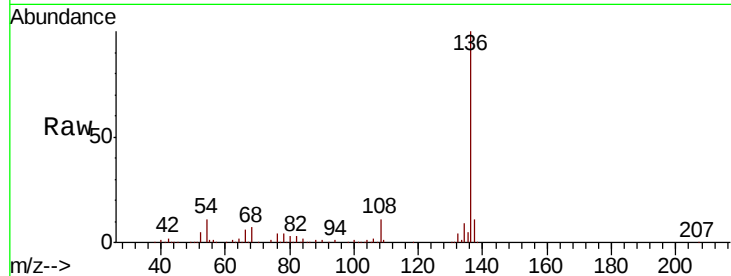




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039454.D
Acq: 12 Feb 2019 3:59

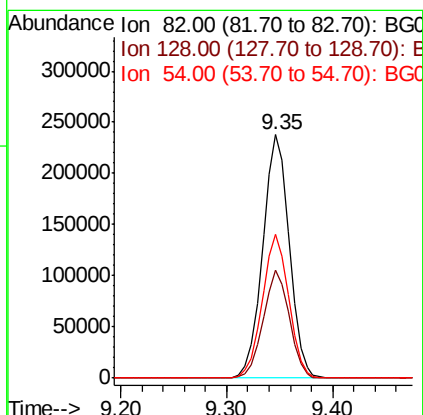
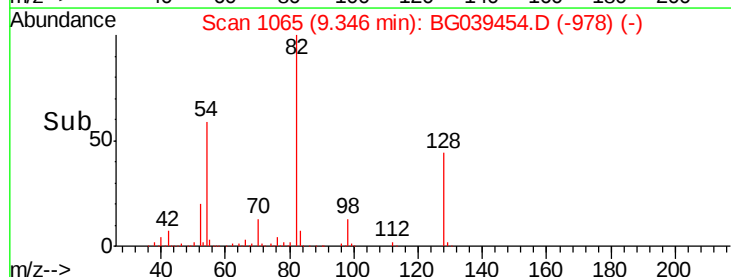
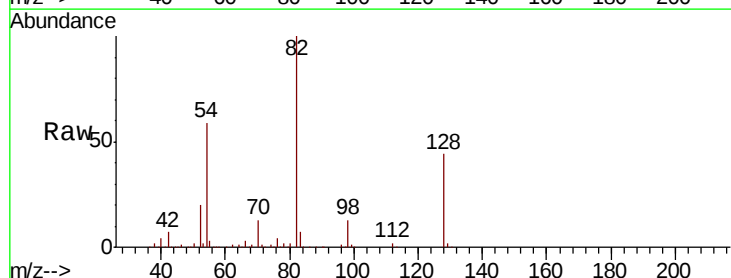
Instrument :
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SS2-RB200035

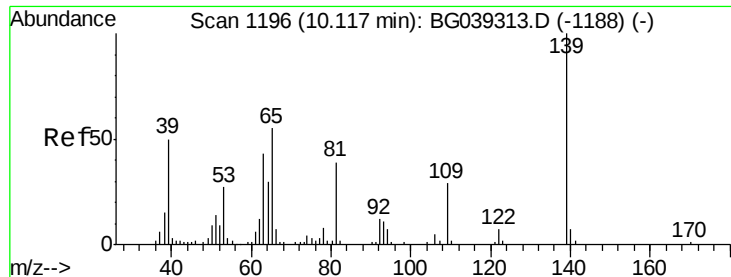
Tgt Ion:	136	Resp:	239818
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.3	9.4	14.2
68	7.1	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 108.053 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039454.D
Acq: 12 Feb 2019 3:59

Tgt Ion:	82	Resp:	414799
Ion	Ratio	Lower	Upper
82	100		
128	44.1	31.3	46.9
54	59.0	50.9	76.3

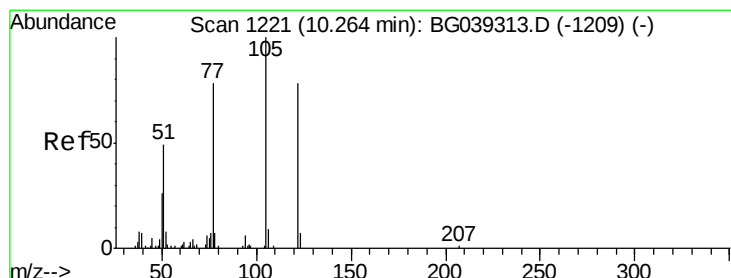
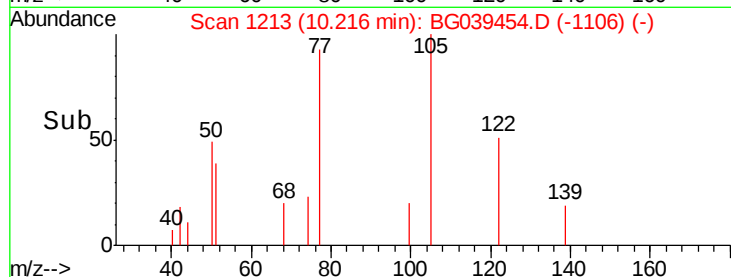
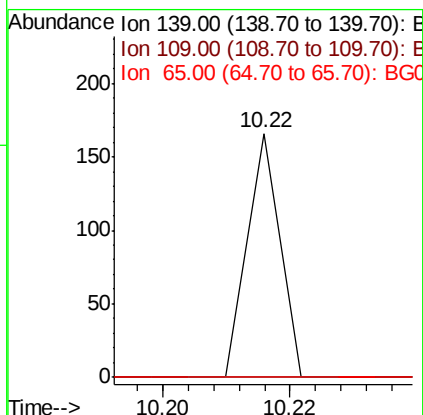
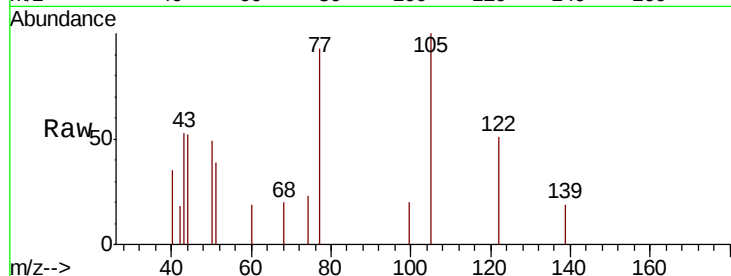




#26
 2-Nitrophenol
 Concen: 4.048 ng
 RT: 10.22 min Scan# 1213
 Delta R.T. 0.10 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

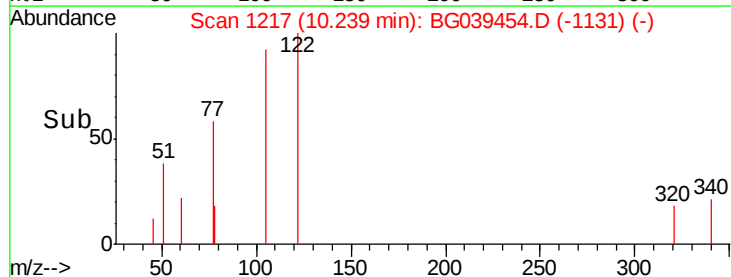
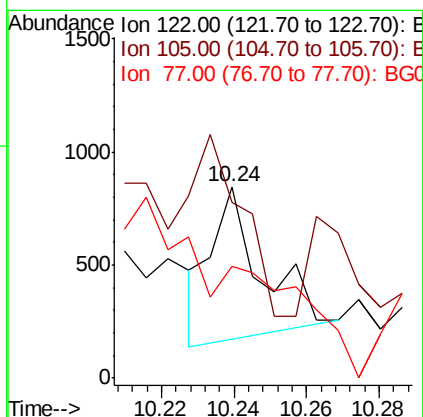
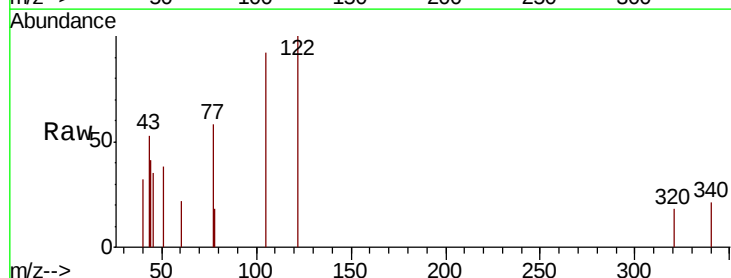
Instrument :
 BNA_G
 ClientSampleId :
 SS2-RB200035

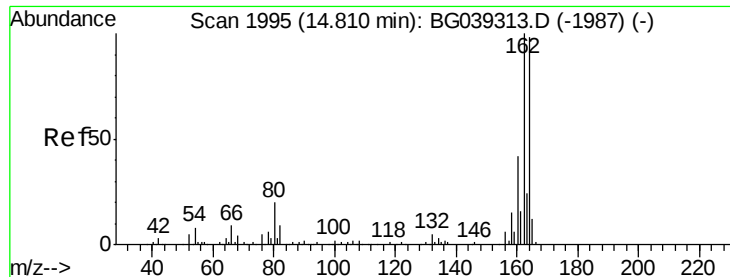
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#32
 Benzoic acid
 Concen: 9.257 ng
 RT: 10.24 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	92.2	101.8	141.8#
77	58.3	76.3	116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

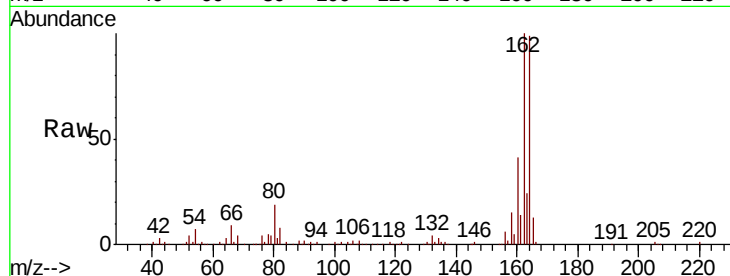
Tgt Ion:164 Resp: 165919

Ion Ratio Lower Upper

164 100

162 101.1 81.6 122.4

160 41.9 34.2 51.2

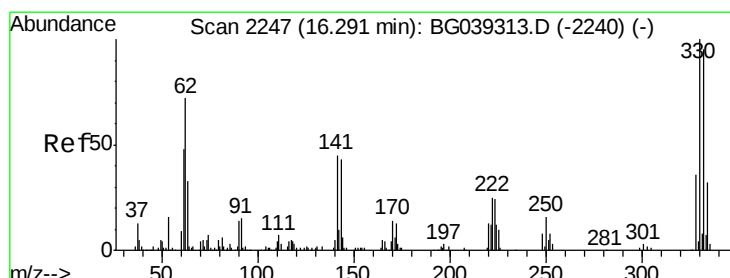
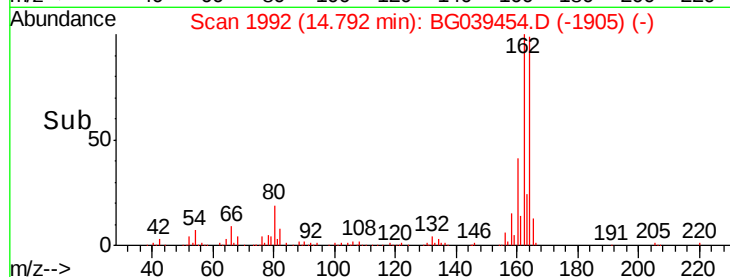
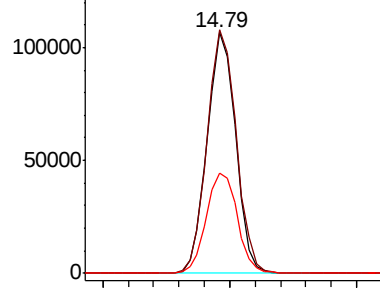


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 152.199 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

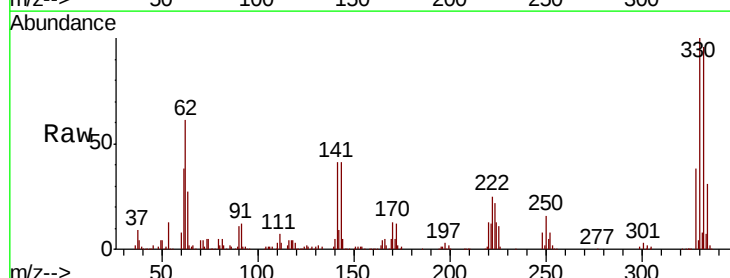
Tgt Ion:330 Resp: 271928

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

141 41.5 35.6 53.4

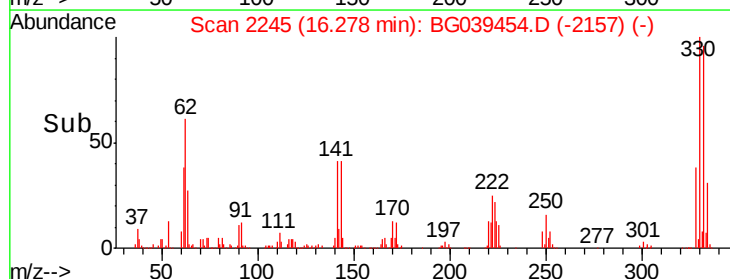
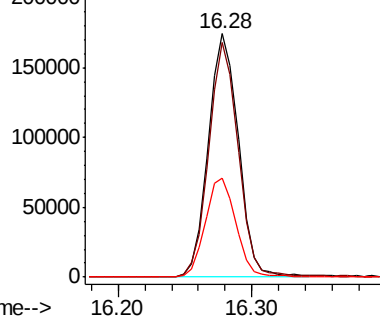


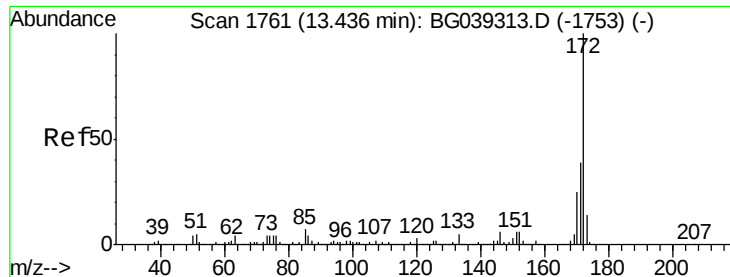
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

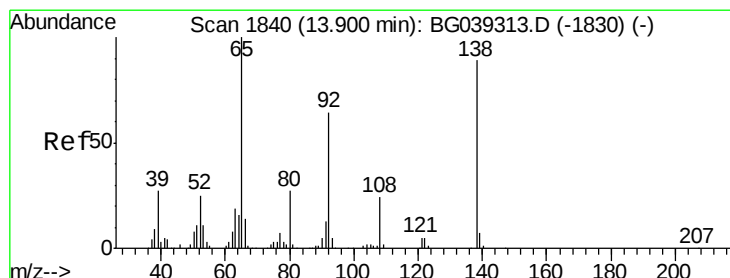
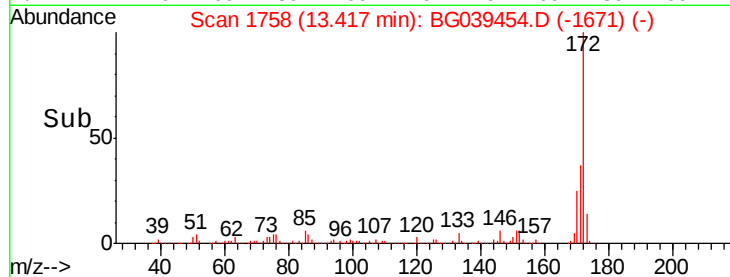
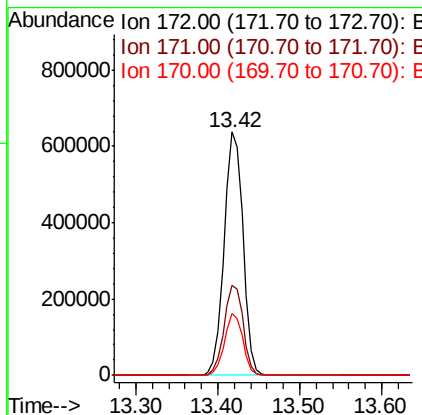
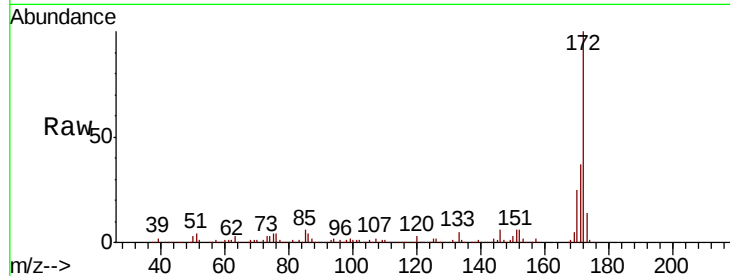




#45
 2-Fluorobiphenyl
 Concen: 88.507 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

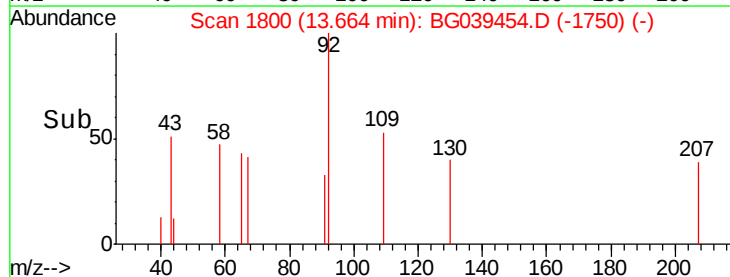
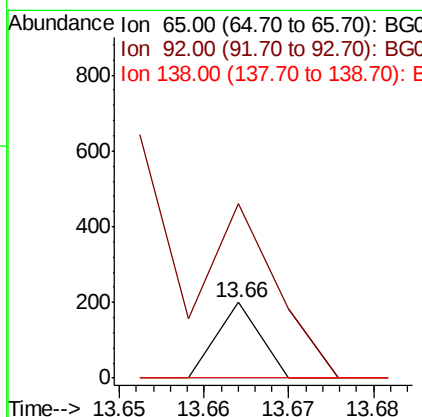
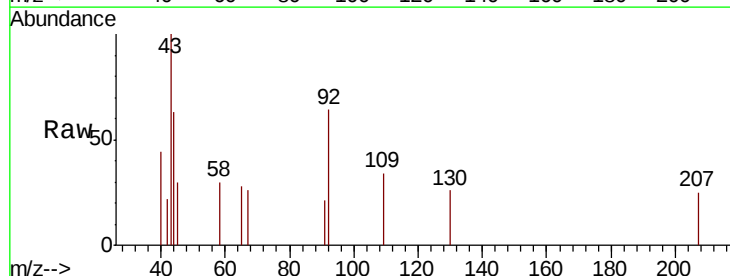
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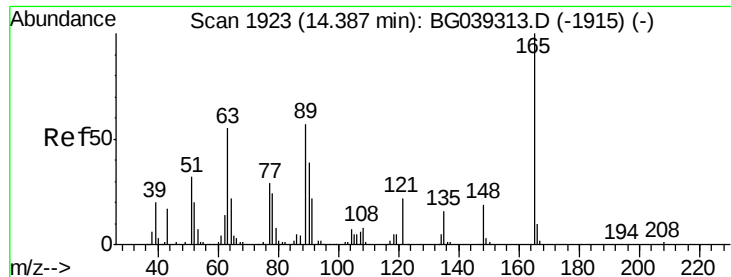
Tgt Ion: 172 Resp: 1023665
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 25.2 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.316 ng
 RT: 13.66 min Scan# 1800
 Delta R.T. -0.23 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

Tgt Ion: 65 Resp: 71
 Ion Ratio Lower Upper
 65 100
 92 230.5 51.4 77.2#
 138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.943 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

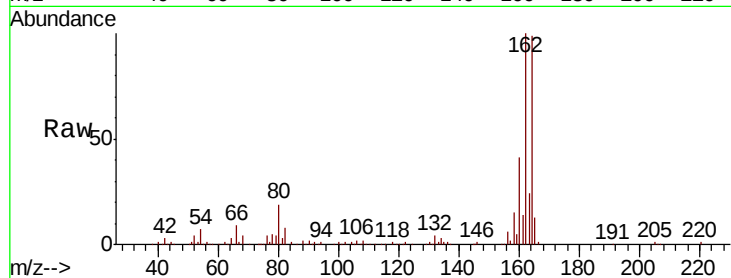
Tgt Ion:165 Resp: 21421

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

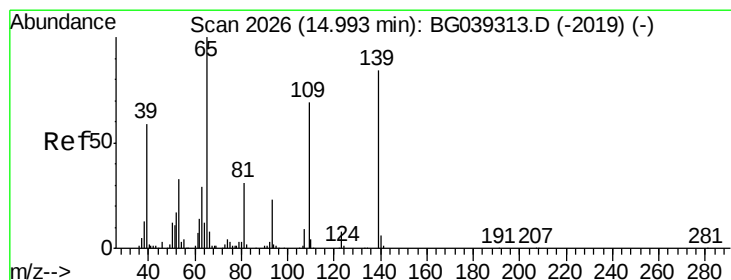
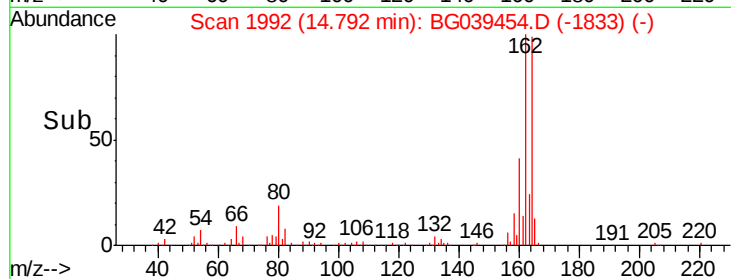
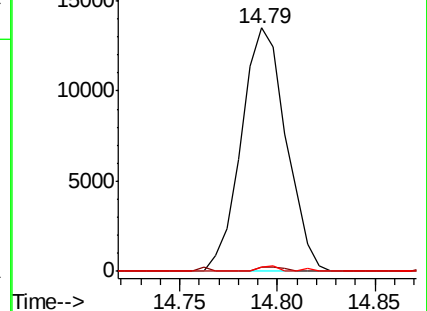
89 1.8 45.8 68.8#



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



#56

4-Nitrophenol

Concen: 5.833 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

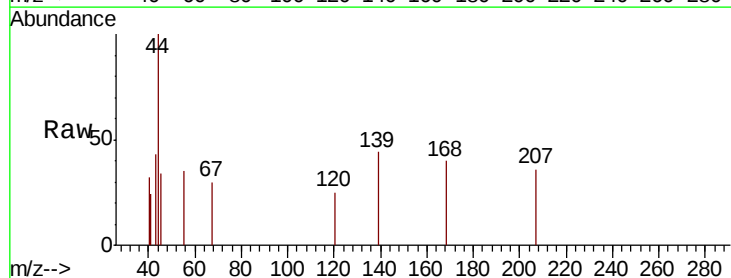
Tgt Ion:139 Resp: 102

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

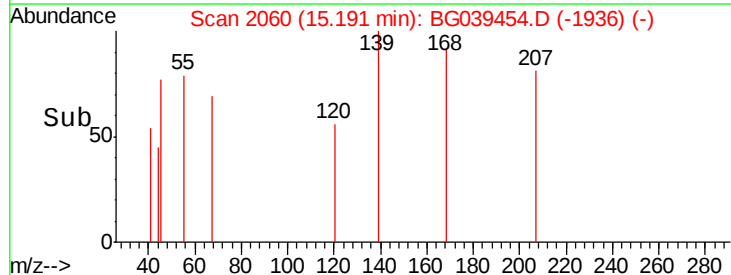
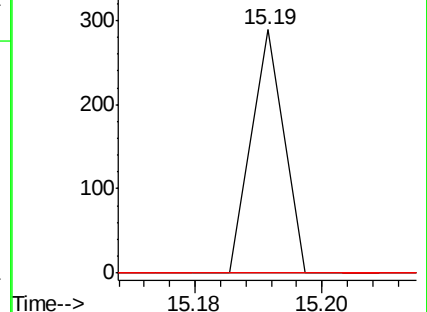
65 0.0 99.1 139.1#

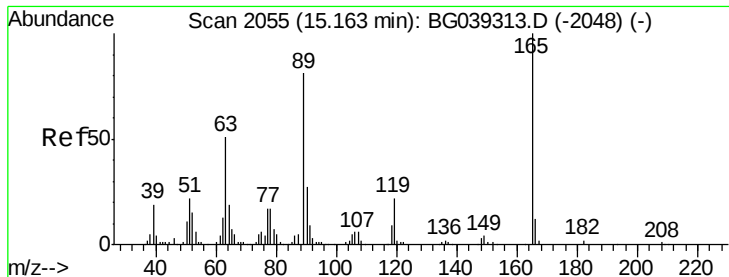


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.414 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

Tgt Ion:165 Resp: 21421

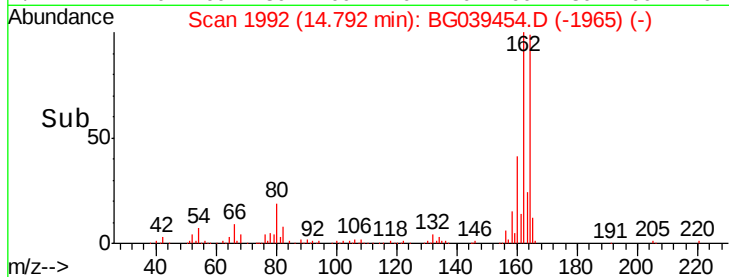
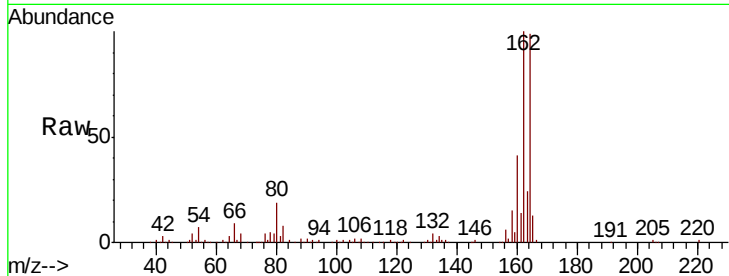
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 1.8 64.6 96.8#

182 0.0 2.0 3.0#

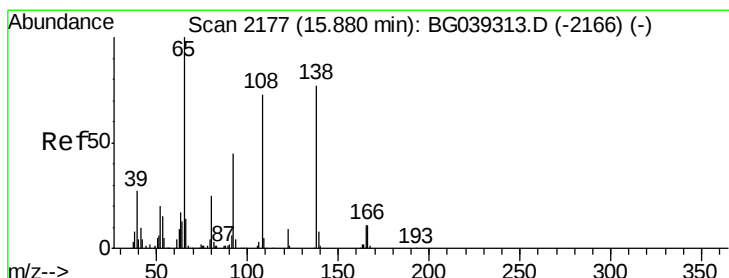
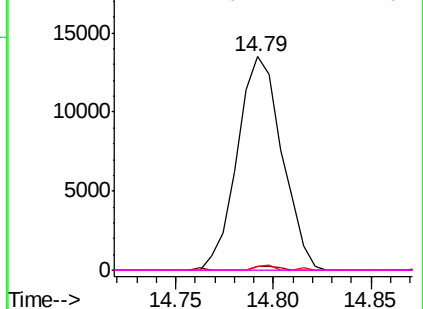


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.220 ng

RT: 15.63 min Scan# 2134

Delta R.T. -0.25 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

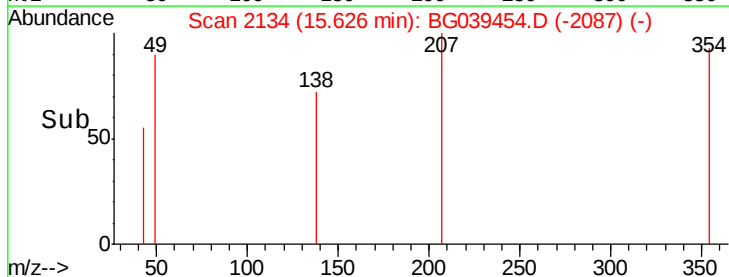
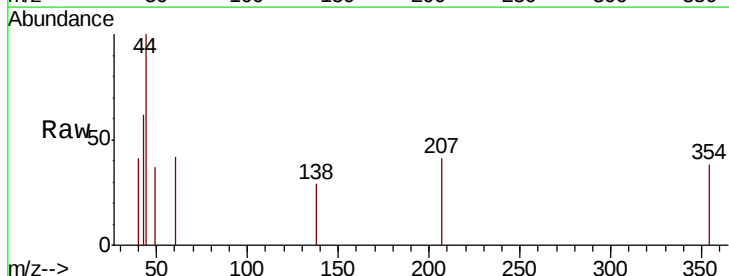
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

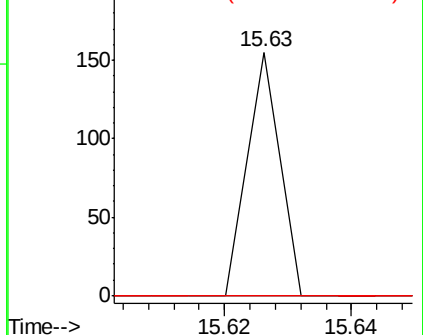
108 0.0 74.6 114.6#

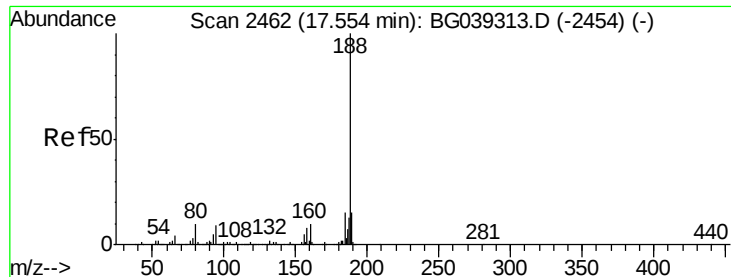


Abundance Ion 138.00 (137.70 to 138.70): E

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: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

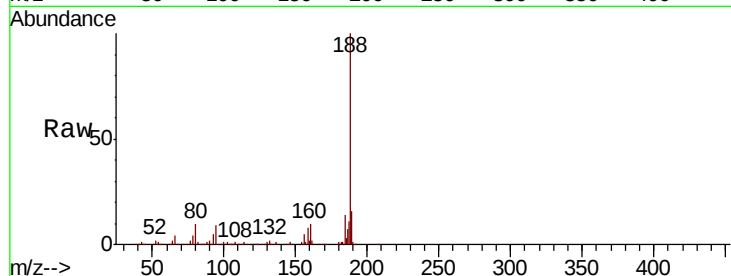
Tgt Ion:188 Resp: 411763

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

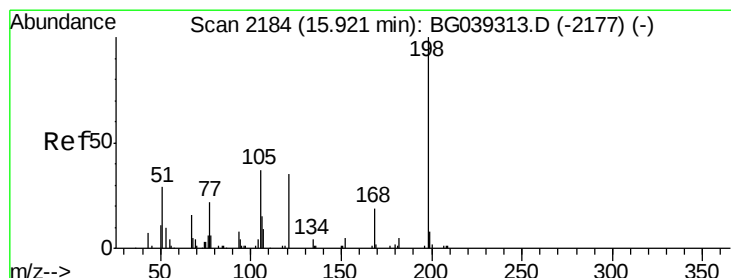
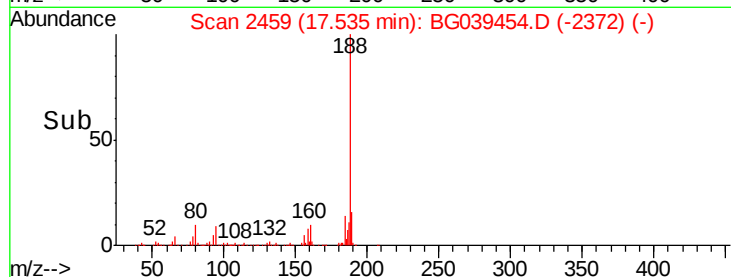
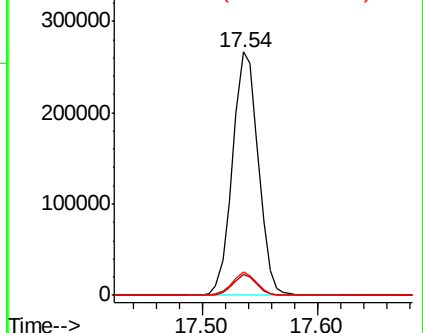
80 9.5 8.1 12.1



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: 4.967 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

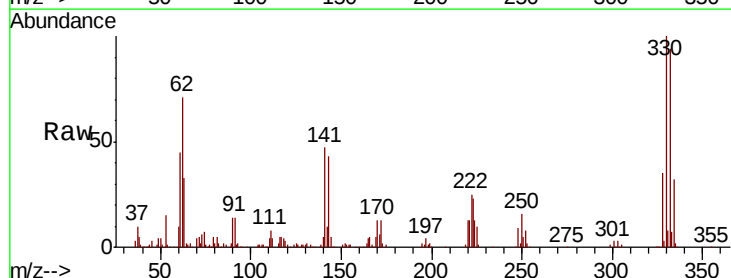
Tgt Ion:198 Resp: 1017

Ion Ratio Lower Upper

198 100

51 106.7 27.4 67.4#

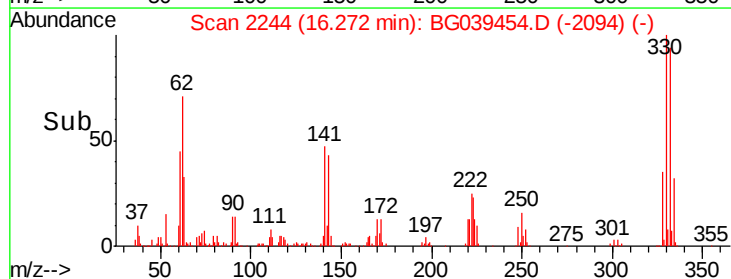
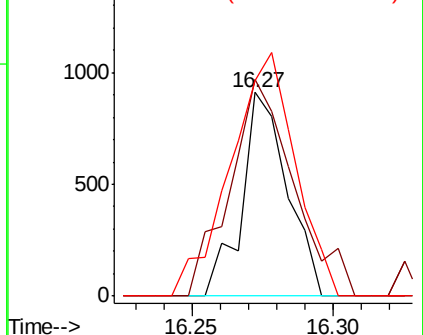
105 105.9 19.7 59.7#

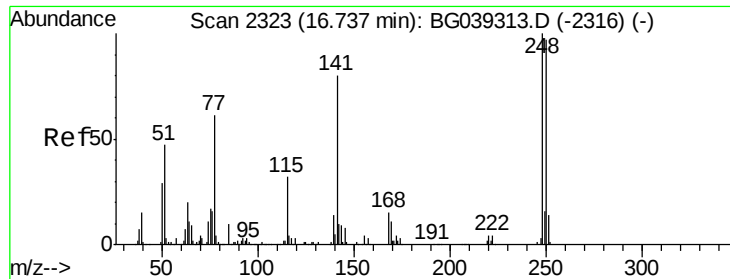


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

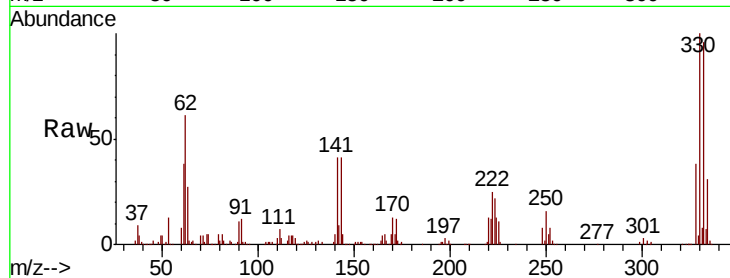




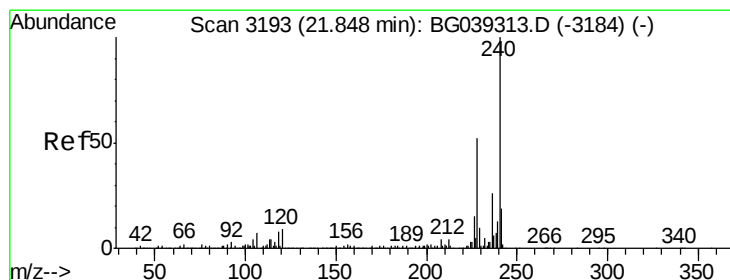
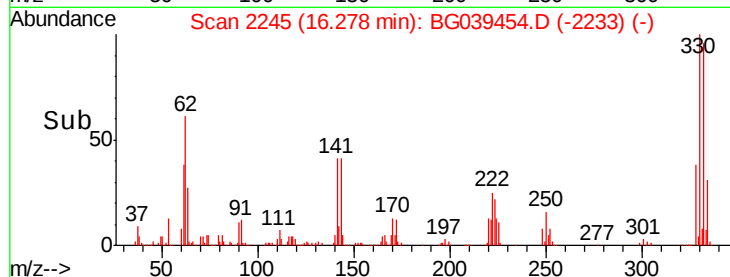
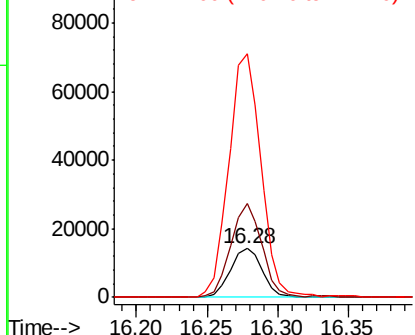
#67
 4-Bromophenyl-phenylether
 Concen: 4.877 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

Instrument :
 BNA_G
 ClientSampleId :
 SS2-RB200035

Tgt Ion:248 Resp: 22278
 Ion Ratio Lower Upper
 248 100
 250 193.1 77.6 116.4#
 141 498.8 63.9 95.9#

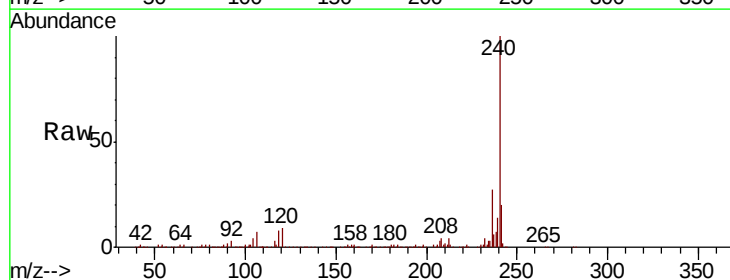


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

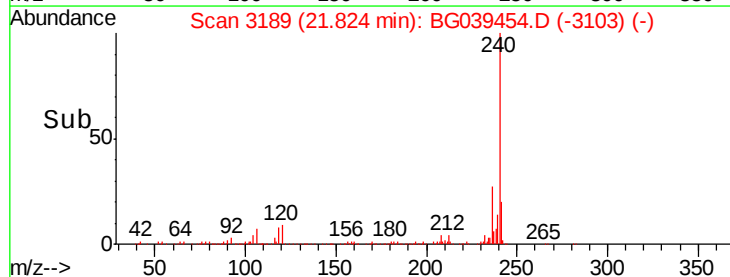
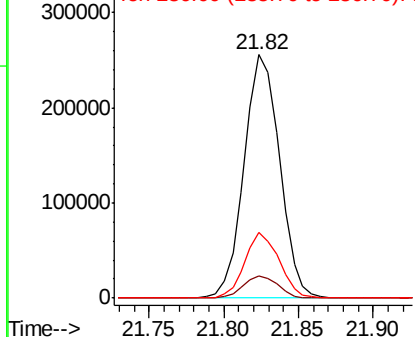


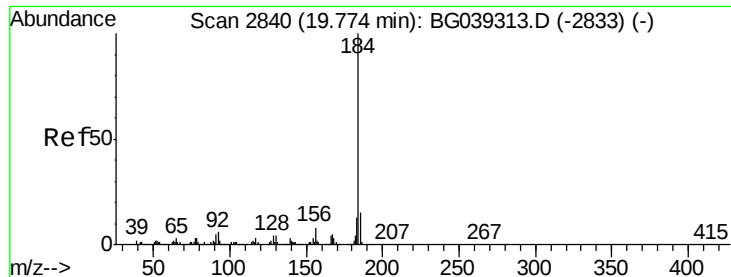
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039454.D
 Acq: 12 Feb 2019 3:59

Tgt Ion:240 Resp: 422128
 Ion Ratio Lower Upper
 240 100
 120 9.1 7.0 10.6
 236 26.9 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: 2.196 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

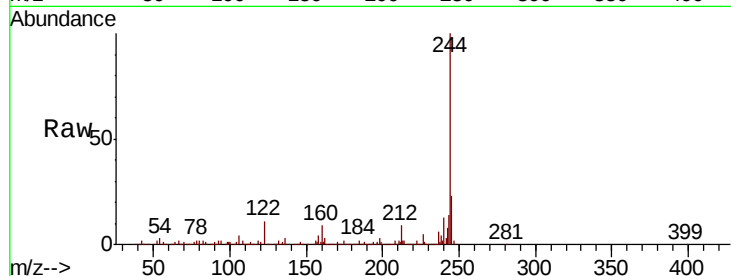
Tgt Ion:184 Resp: 30391

Ion Ratio Lower Upper

184 100

185 17.3 12.2 18.2

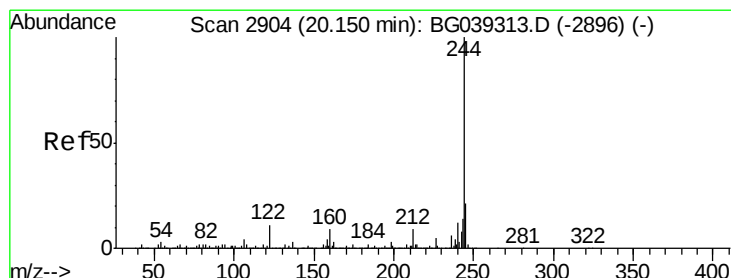
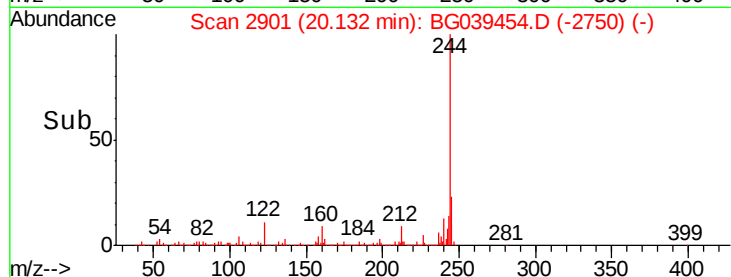
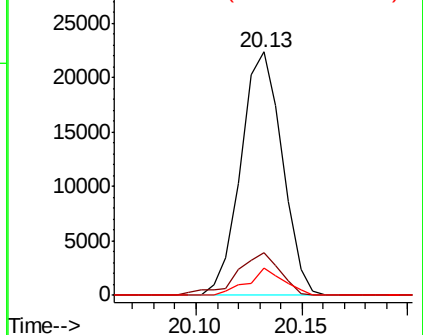
183 11.2 10.6 15.8



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: 83.778 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039454.D

Acq: 12 Feb 2019 3:59

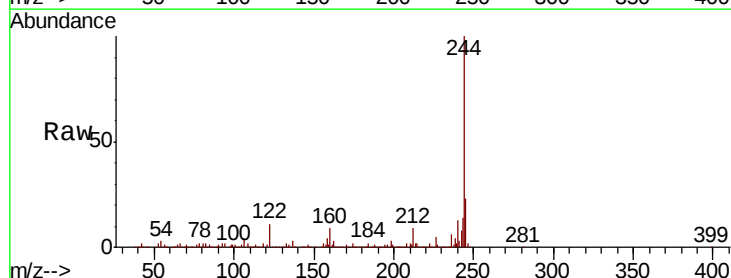
Tgt Ion:244 Resp: 1670780

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

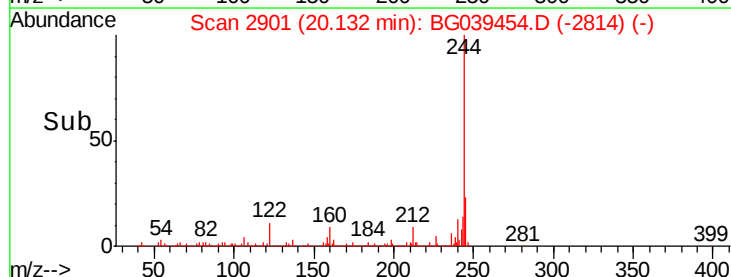
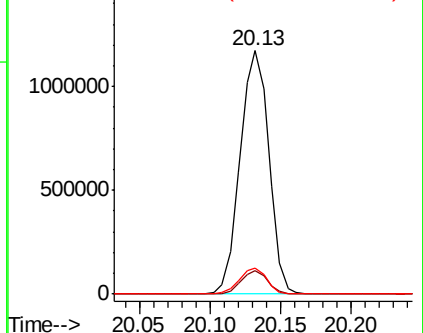
122 10.7 8.4 12.6

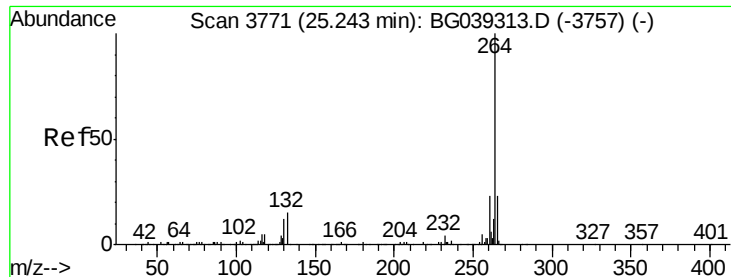


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039454.D
Acq: 12 Feb 2019 3:59

Instrument :
BNA_G
ClientSampleId :
SS2-RB200035

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	21.1	18.5	27.7

