

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039437.D
 Acq On : 11 Feb 2019 16:54
 Operator : JU/SJ
 Sample : K1424-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS2-RB200035

Quant Time: Feb 12 00:15:22 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	53003	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	244182	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	166295	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	399486	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	382014	20.00	ng	-0.02
87) Perylene-d12	25.21	264	397588	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	413124	133.40	ng	0.00
7) Phenol-d6	7.31	99	612249	134.31	ng	-0.01
23) Nitrobenzene-d5	9.35	82	350549	89.68	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	237643	132.71	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	824032	71.09	ng	-0.02
79) Terphenyl-d14	20.13	244	1120621	62.09	ng	-0.02

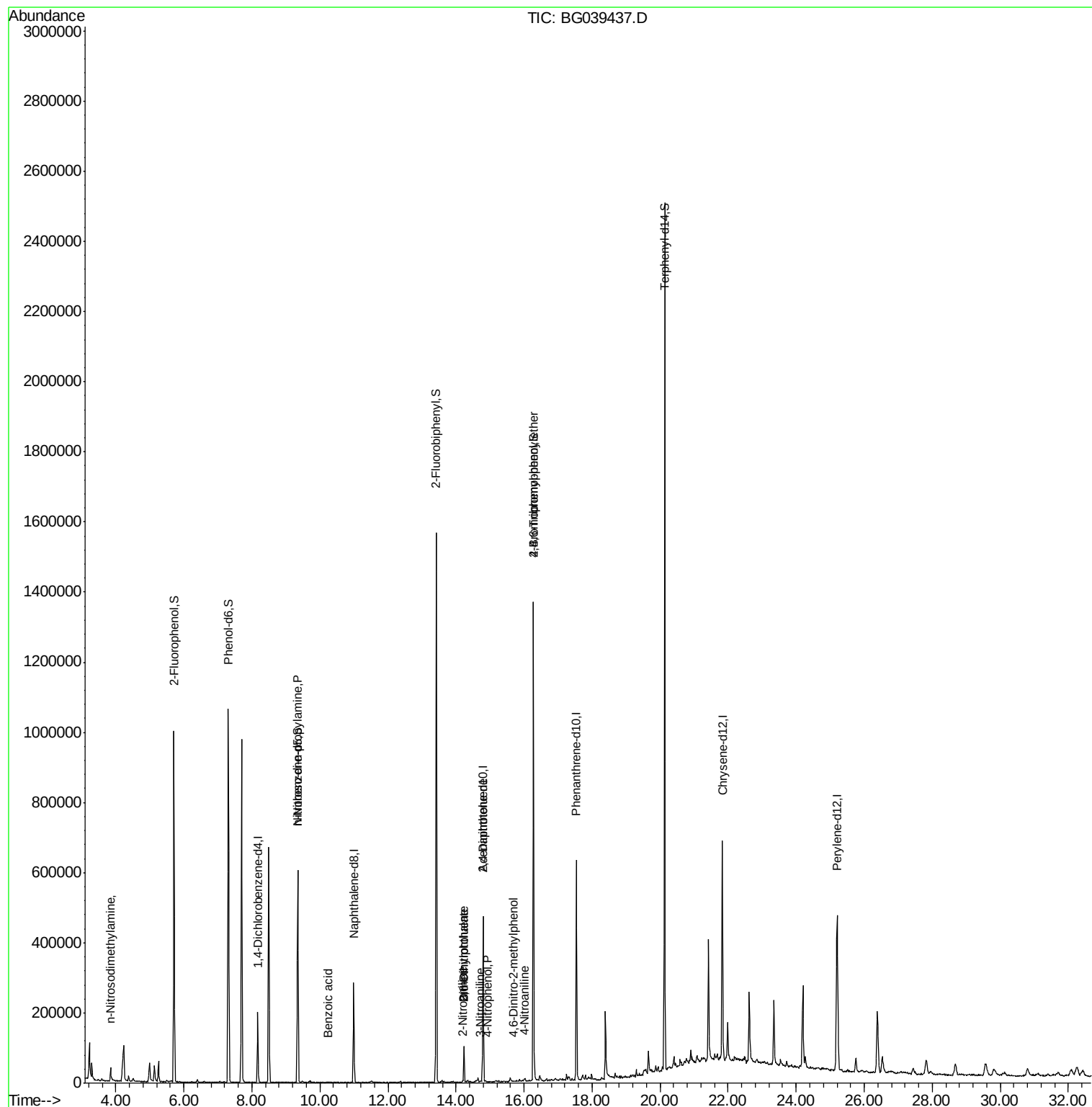
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.84	42	3895	2.172	ng	# 1
9) Benzaldehyde	7.31	77	1119	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	45623	14.101	ng	# 74
32) Benzoic acid	10.23	122	498	9.197	ng	# 45
48) 2-Nitroaniline	14.18	65	56	8.312	ng	# 10
50) Dimethylphthalate	14.23	163	66621	4.960	ng	# 98
51) 2,6-Dinitrotoluene	14.23	165	754	6.818	ng	# 43
53) 3-Nitroaniline	14.69	138	71	5.816	ng	# 1
56) 4-Nitrophenol	14.92	139	72	5.821	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20647	13.200	ng	# 20
62) 4-Nitroaniline	16.00	138	60	4.222	ng	# 10
65) 4,6-Dinitro-2-methylphenol	15.69	198	56	4.215	ng	# 20
67) 4-Bromophenyl-phenylether	16.28	248	18480	4.170	ng	# 1

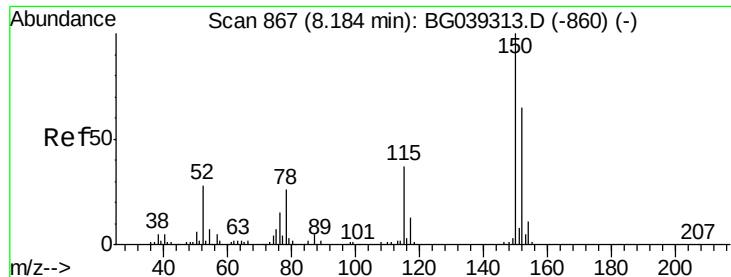
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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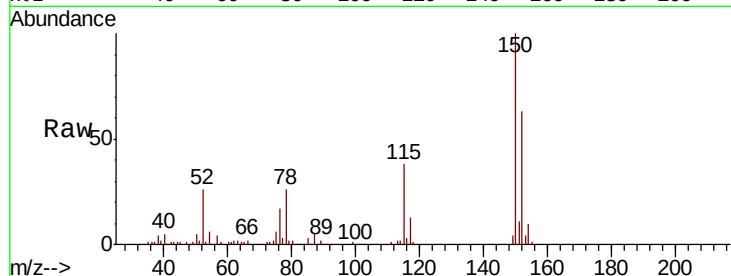


#1

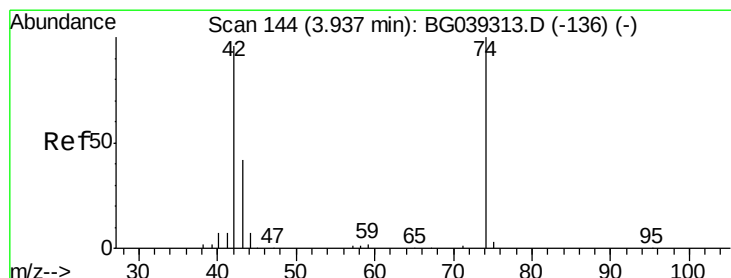
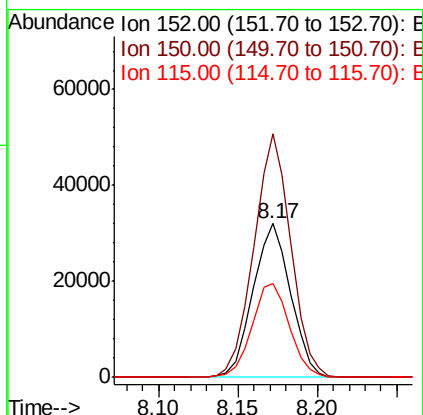
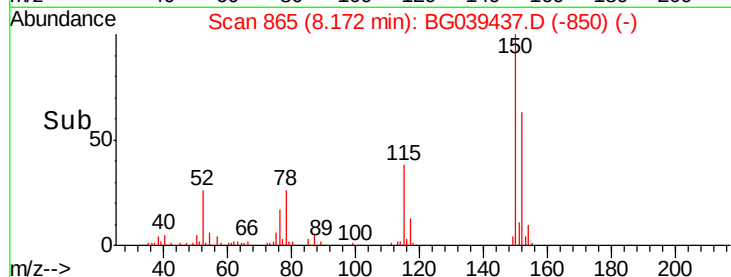
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

Instrument :
BNA_G
ClientSampleId :
SS2-RB200035

Tgt Ion:152 Resp: 53003
Ion Ratio Lower Upper
152 100
150 158.3 123.7 185.5
115 60.6 45.9 68.9



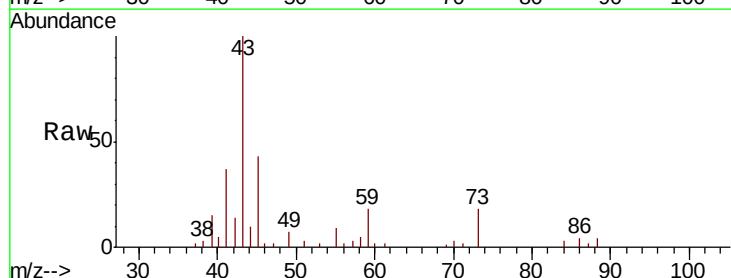
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



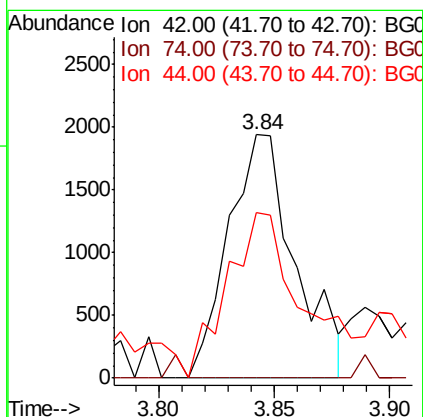
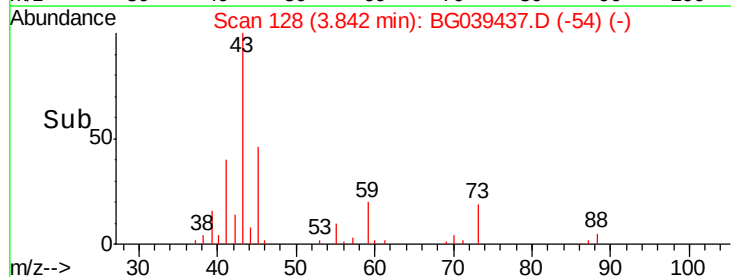
#4

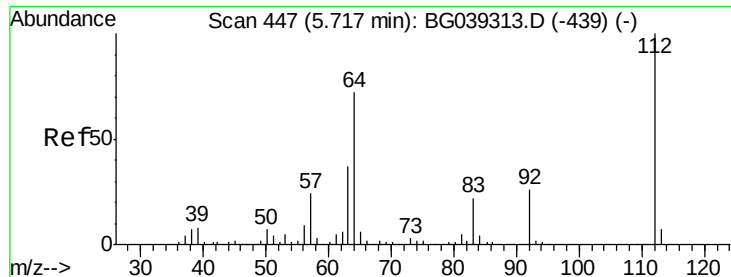
n-Nitrosodimethylamine
Concen: 2.172 ng
RT: 3.84 min Scan# 128
Delta R.T. -0.09 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

Tgt Ion: 42 Resp: 3895
Ion Ratio Lower Upper
42 100
74 0.0 83.6 125.4#
44 68.1 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 133.401 ng

RT: 5.71 min Scan# 446

Delta R.T. -0.01 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

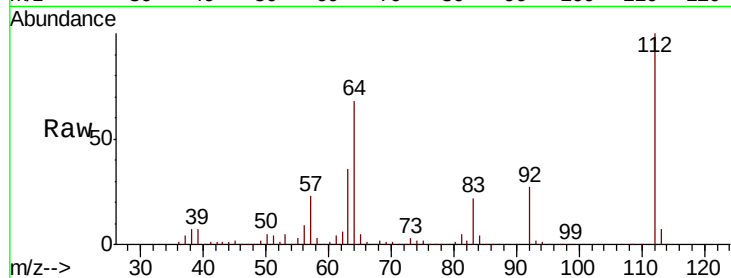
Tgt Ion: 112 Resp: 413124

Ion Ratio Lower Upper

112 100

64 67.6 57.8 86.8

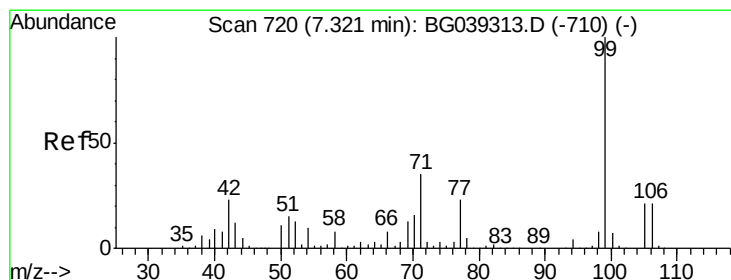
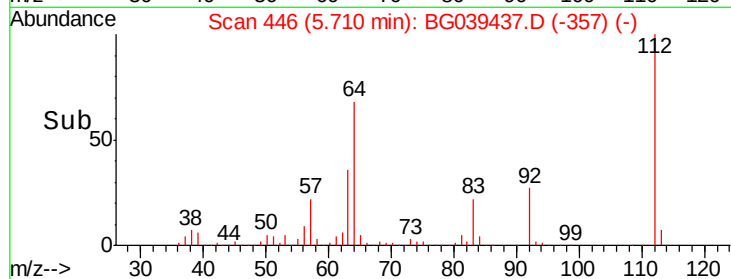
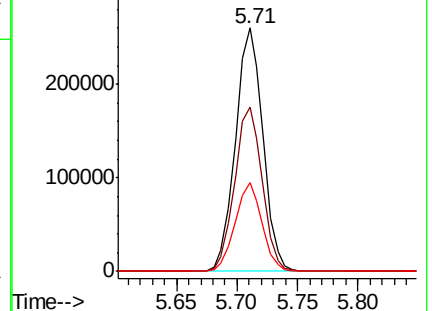
63 36.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 134.310 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

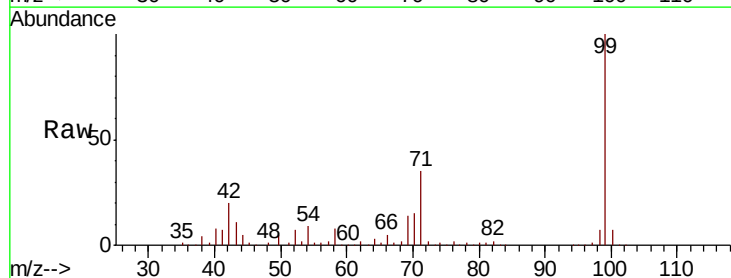
Tgt Ion: 99 Resp: 612249

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

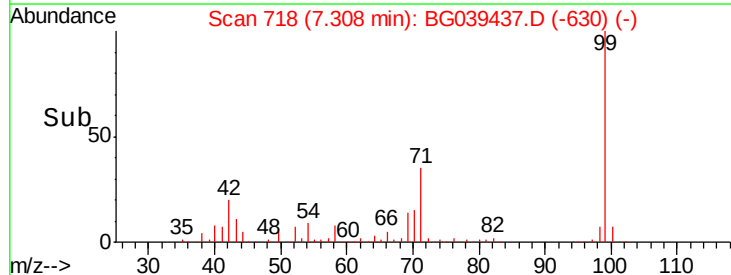
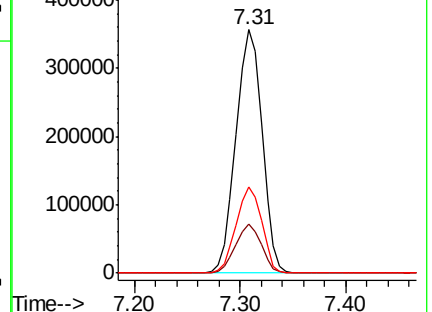
71 35.2 28.0 42.0

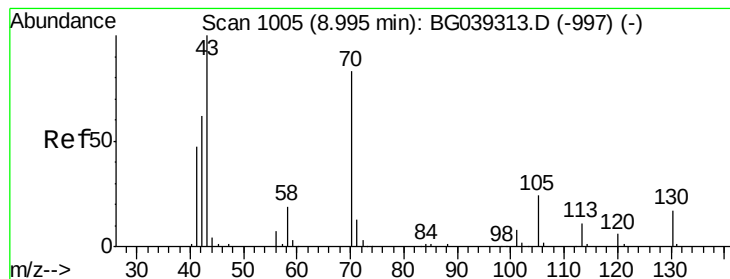


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.101 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

Tgt Ion: 70 Resp: 45623

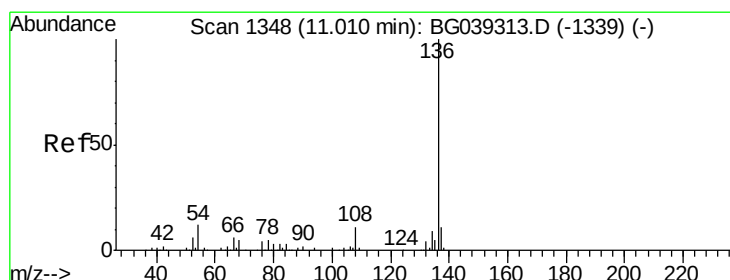
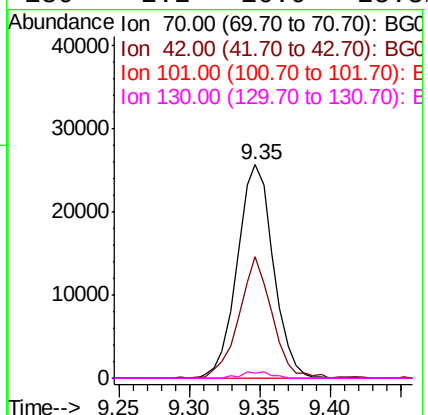
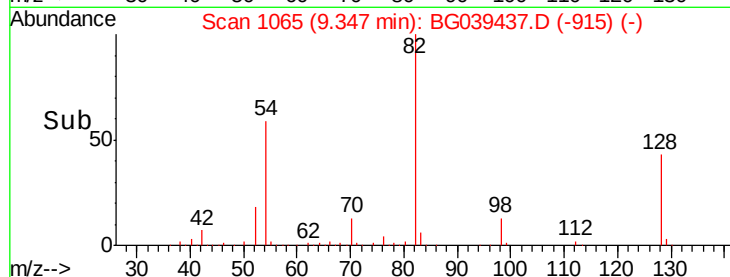
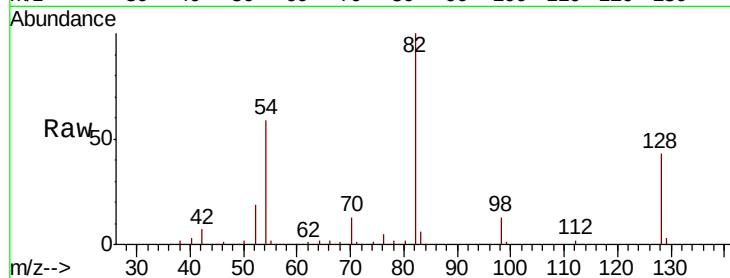
Ion Ratio Lower Upper

70 100

42 56.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 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: BG039437.D

Acq: 11 Feb 2019 16:54

Tgt Ion: 136 Resp: 244182

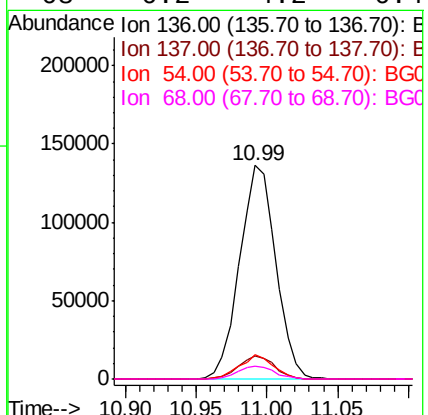
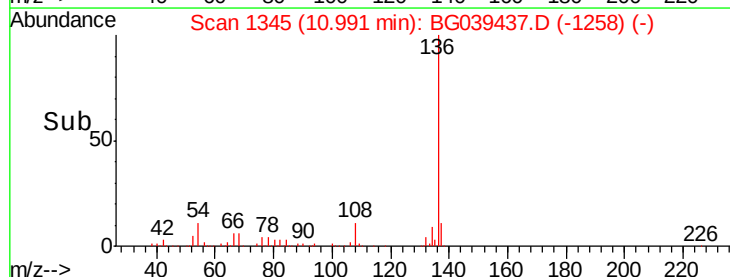
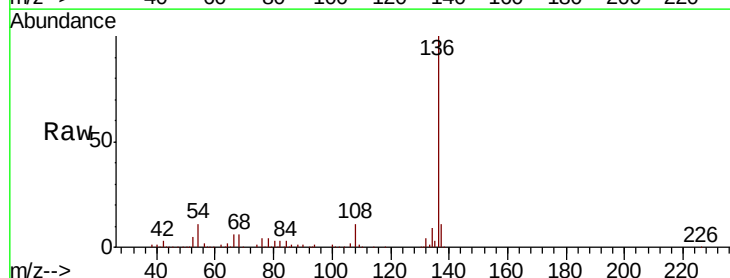
Ion Ratio Lower Upper

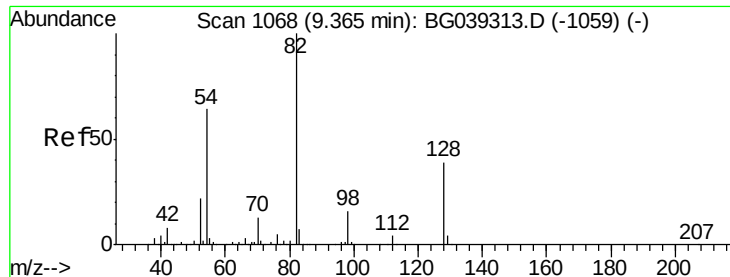
136 100

137 10.7 9.1 13.7

54 11.4 9.4 14.2

68 6.2 4.2 6.4

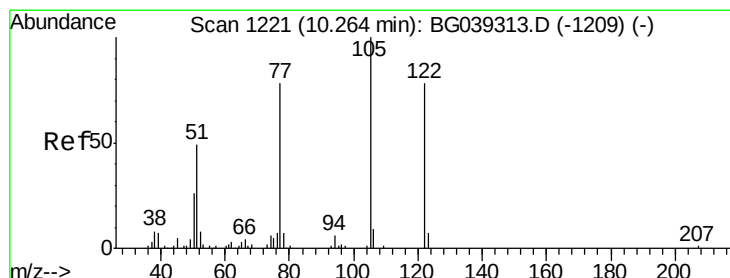
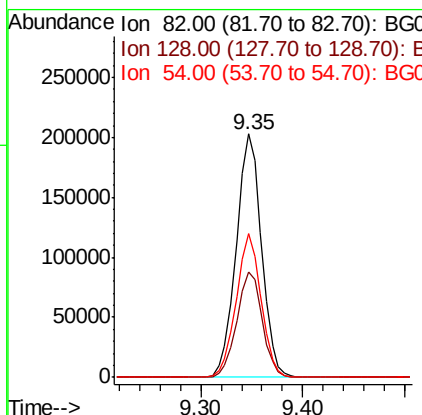
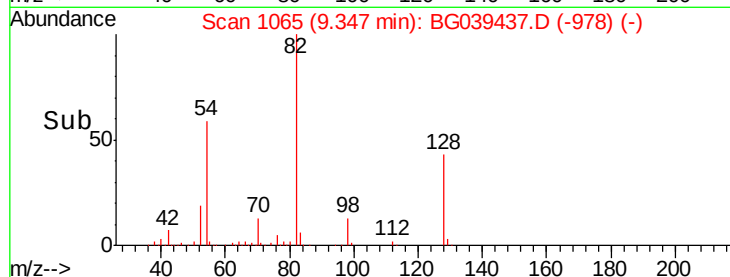
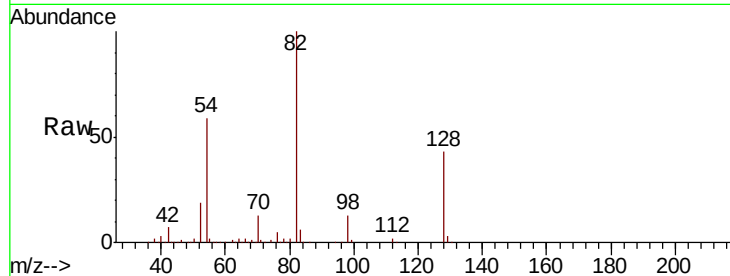




#23
 Nitrobenzene-d5
 Concen: 89.685 ng
 RT: 9.35 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039437.D
 Acq: 11 Feb 2019 16:54

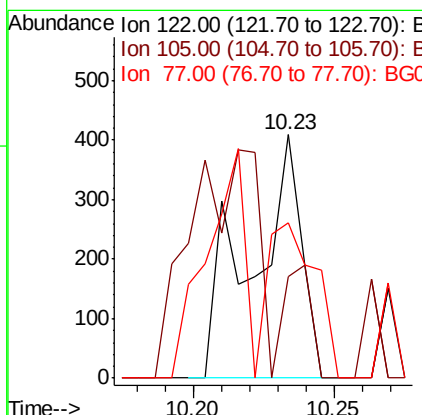
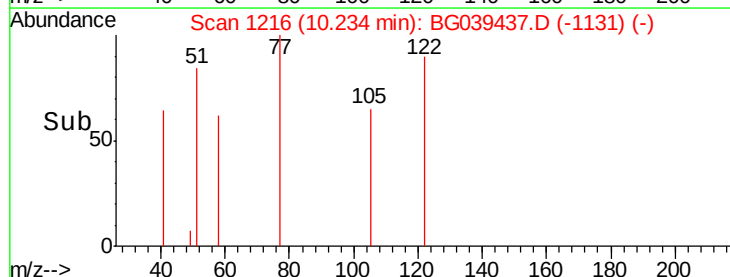
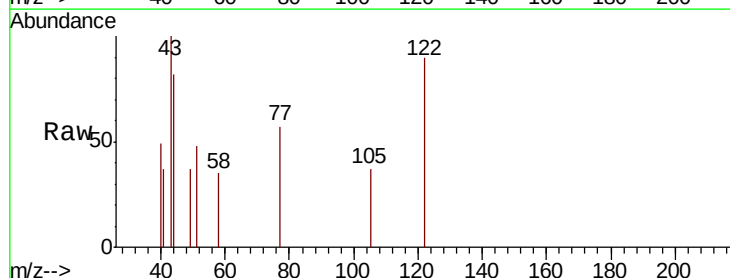
Instrument :
 BNA_G
 ClientSampleId :
 SS2-RB200035

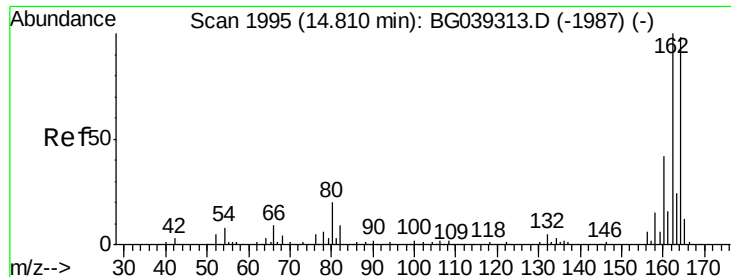
Tgt Ion: 82 Resp: 350549
 Ion Ratio Lower Upper
 82 100
 128 43.2 31.3 46.9
 54 58.9 50.9 76.3



#32
 Benzoic acid
 Concen: 9.197 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. -0.03 min
 Lab File: BG039437.D
 Acq: 11 Feb 2019 16:54

Tgt Ion: 122 Resp: 498
 Ion Ratio Lower Upper
 122 100
 105 41.6 101.8 141.8#
 77 63.8 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: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

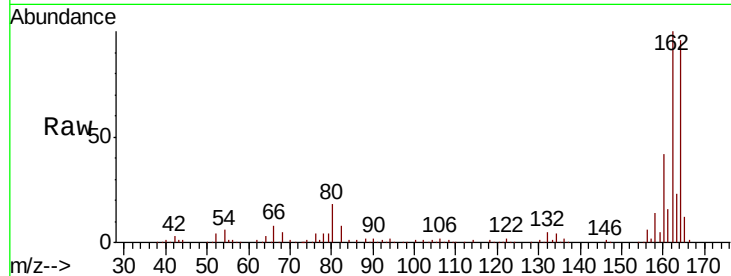
Tgt Ion:164 Resp: 166295

Ion Ratio Lower Upper

164 100

162 104.5 81.6 122.4

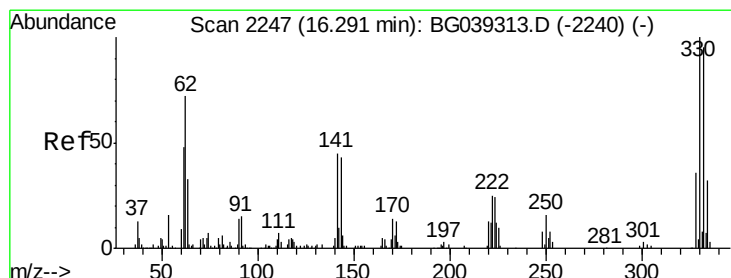
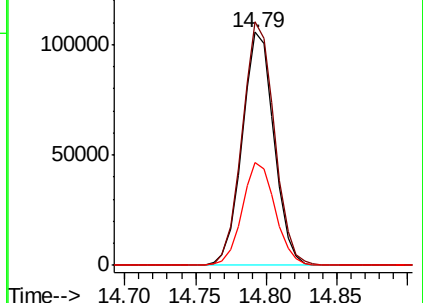
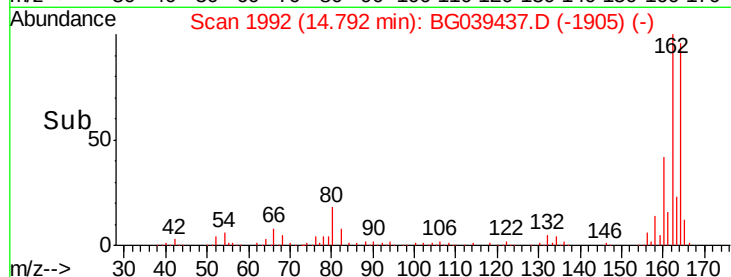
160 44.1 34.2 51.2



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: 132.709 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

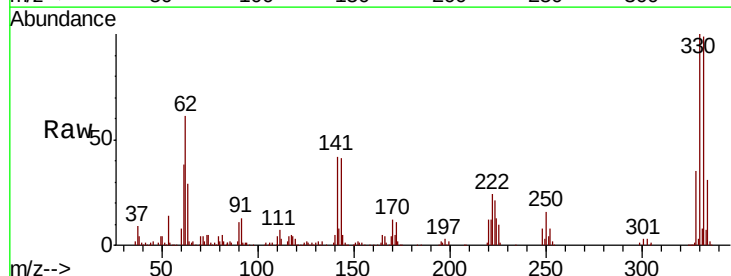
Tgt Ion:330 Resp: 237643

Ion Ratio Lower Upper

330 100

332 95.4 75.7 113.5

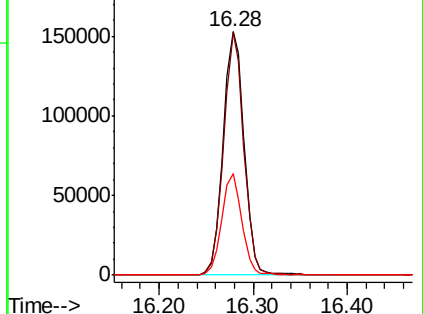
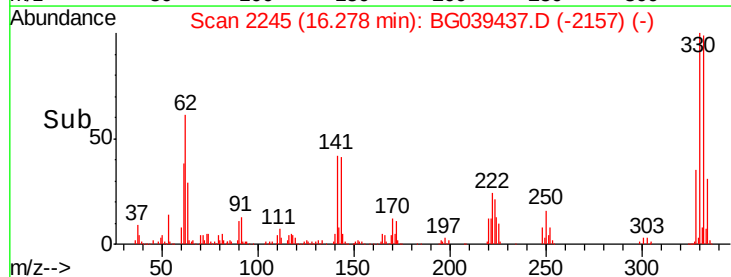
141 40.0 35.6 53.4

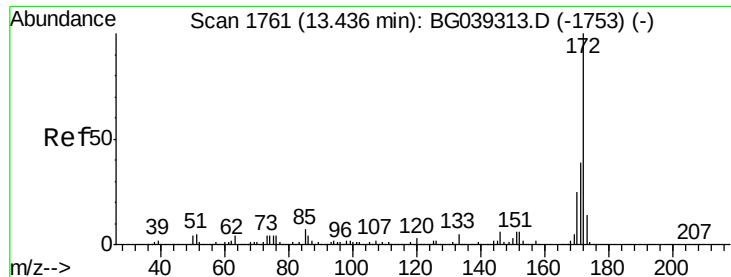


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

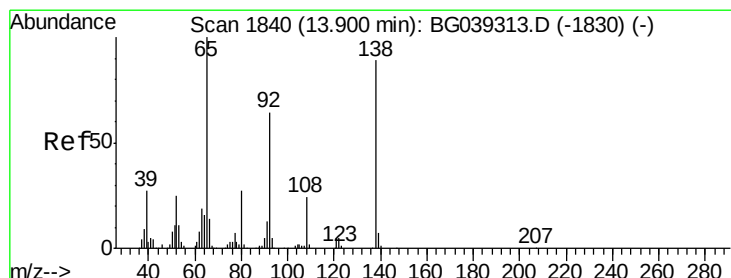
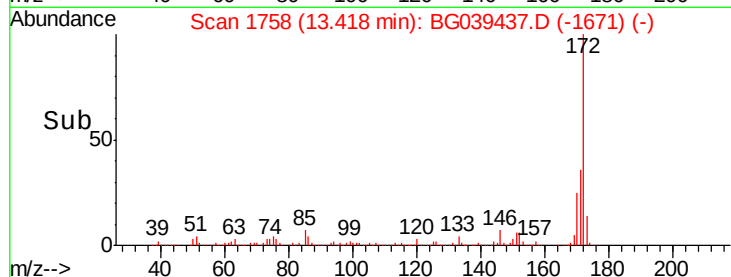
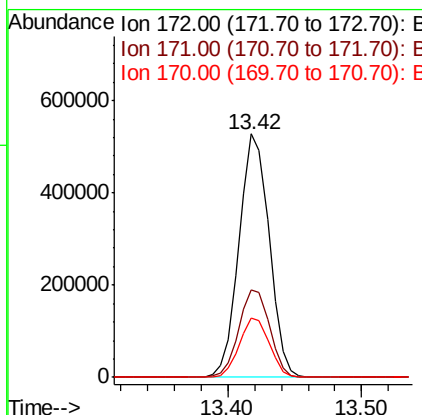
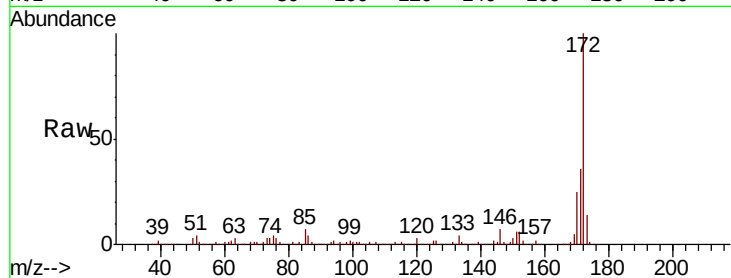




#45
 2-Fluorobiphenyl
 Concen: 71.085 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039437.D
 Acq: 11 Feb 2019 16:54

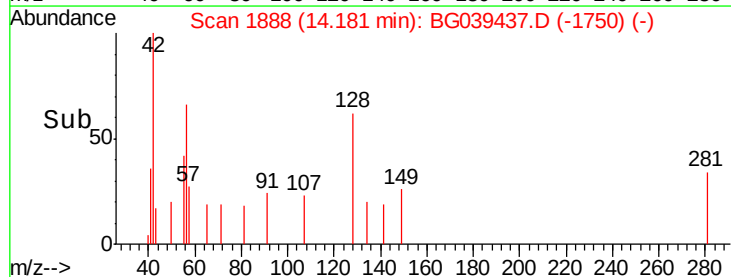
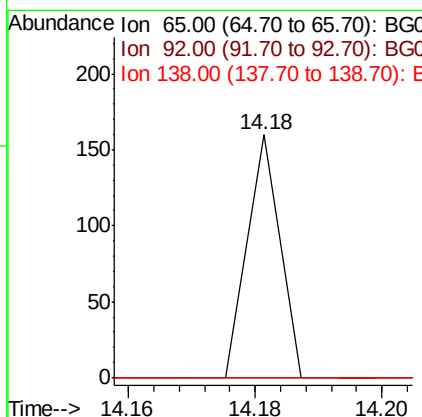
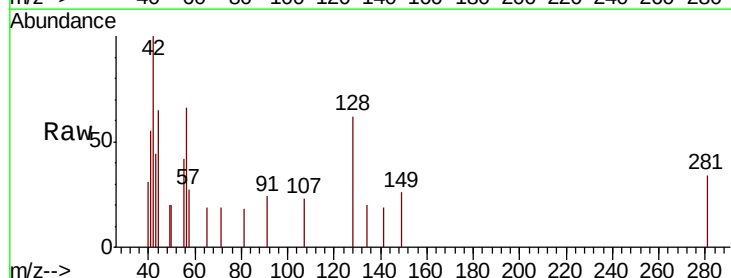
Instrument :
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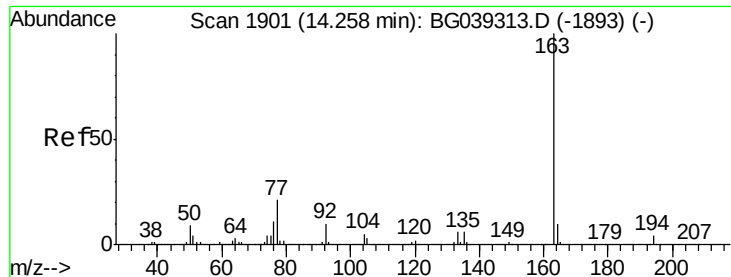
Tgt Ion: 172 Resp: 824032
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.8 46.2
 170 24.5 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.312 ng
 RT: 14.18 min Scan# 1888
 Delta R.T. 0.28 min
 Lab File: BG039437.D
 Acq: 11 Feb 2019 16:54

Tgt Ion: 65 Resp: 56
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.960 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

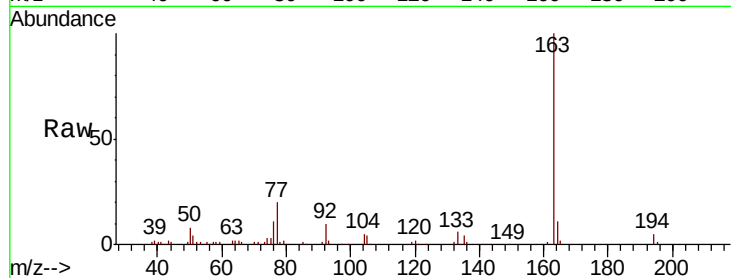
Tgt Ion:163 Resp: 66621

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

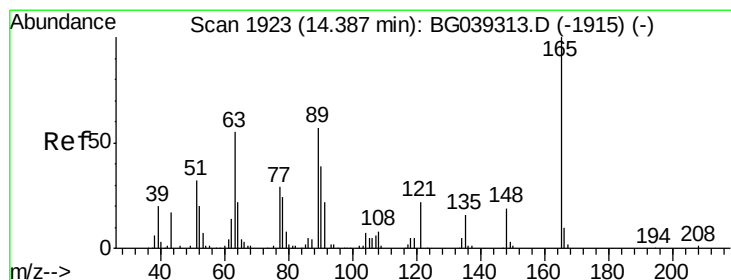
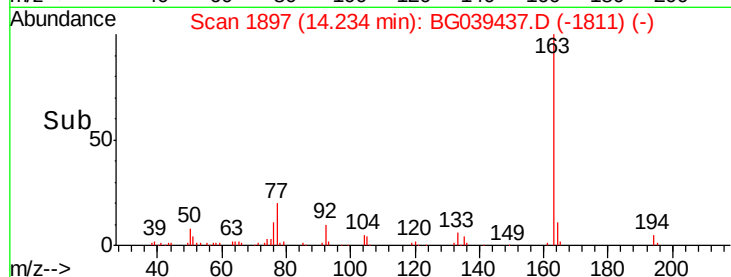
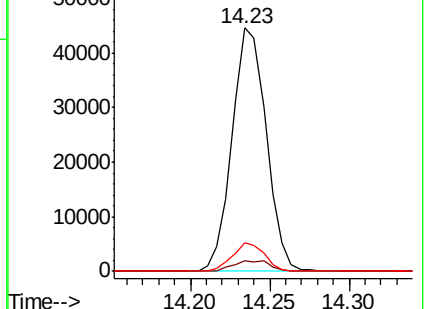
164 11.5 8.4 12.6



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: 6.818 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.15 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

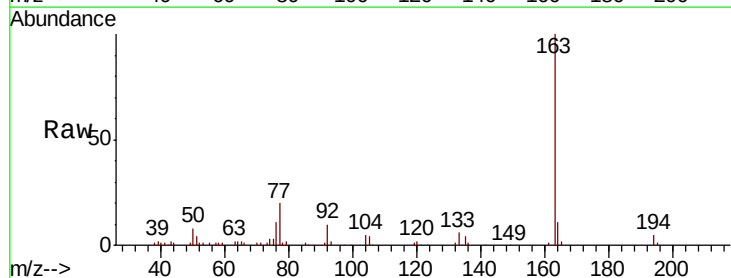
Tgt Ion:165 Resp: 754

Ion Ratio Lower Upper

165 100

63 86.5 47.0 70.6#

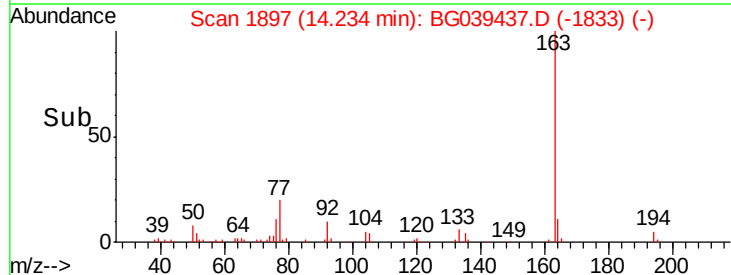
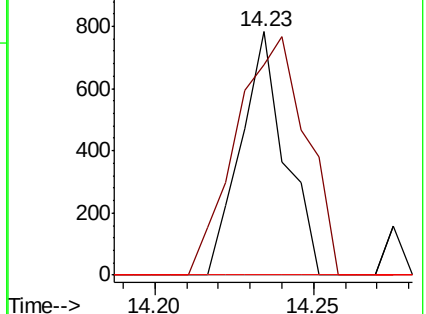
89 0.0 45.8 68.8#

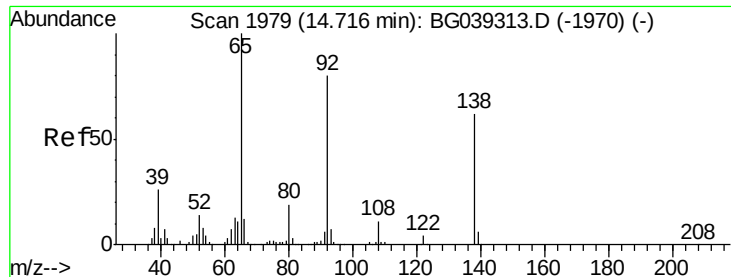


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

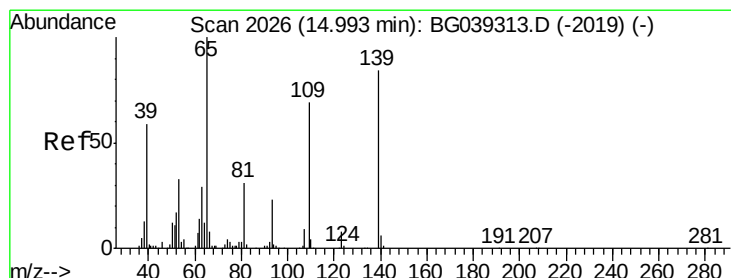
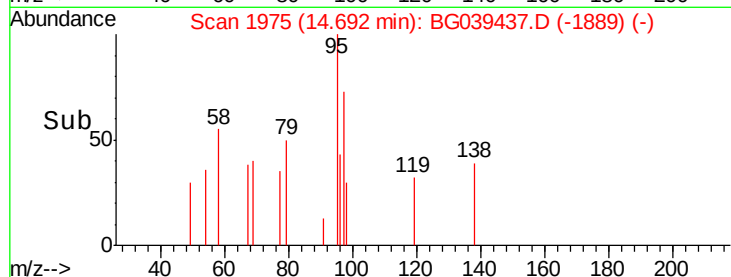
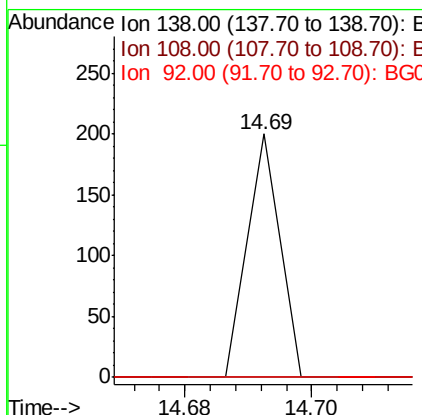
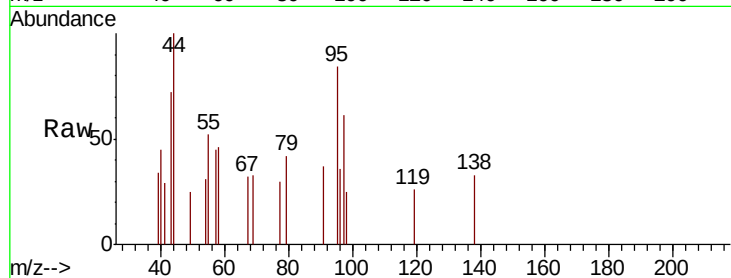




#53
3-Nitroaniline
Concen: 5.816 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.02 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

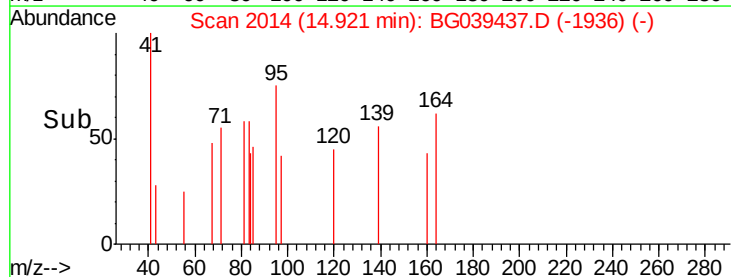
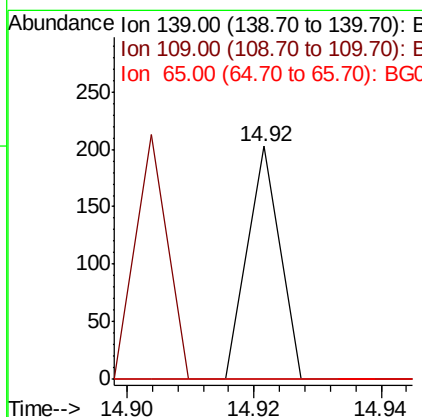
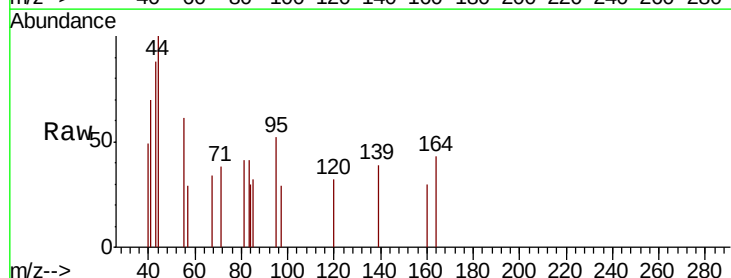
Instrument :
BNA_G
ClientSampleId :
SS2-RB200035

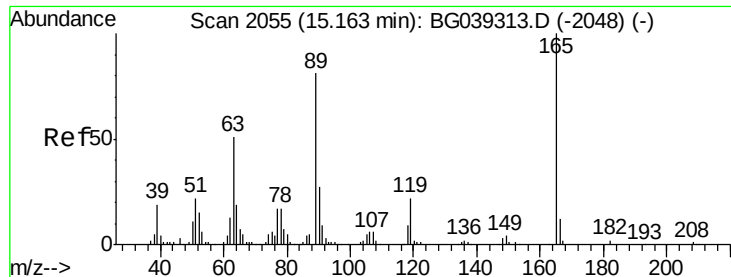
Tgt Ion:138 Resp: 71
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.821 ng
RT: 14.92 min Scan# 2014
Delta R.T. -0.07 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

Tgt Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.200 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

Tgt Ion:165 Resp: 20647

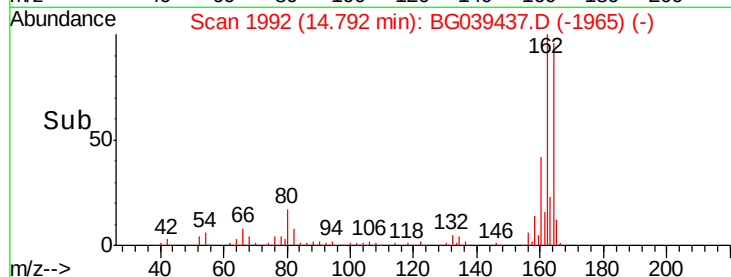
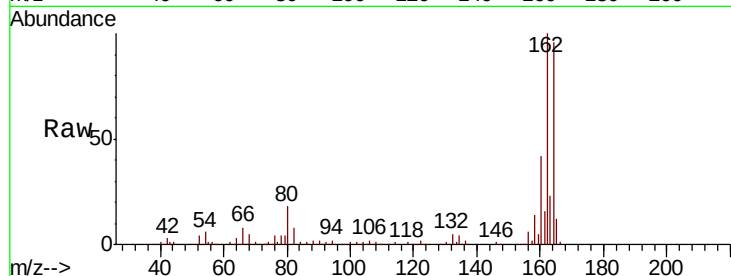
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 3.0 64.6 96.8#

182 0.0 2.0 3.0#

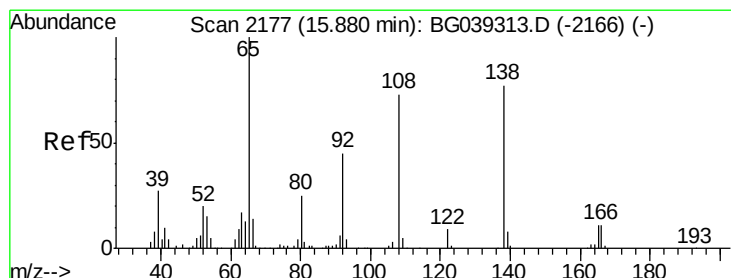
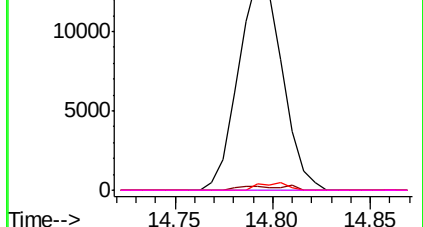


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.222 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.12 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

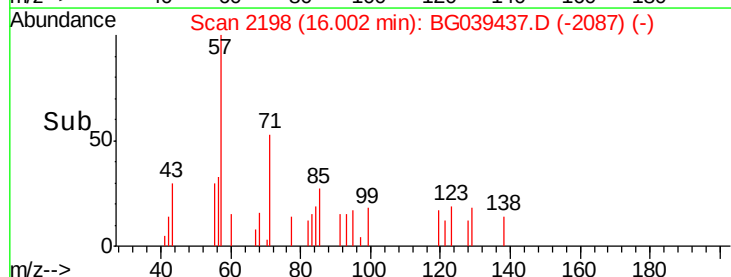
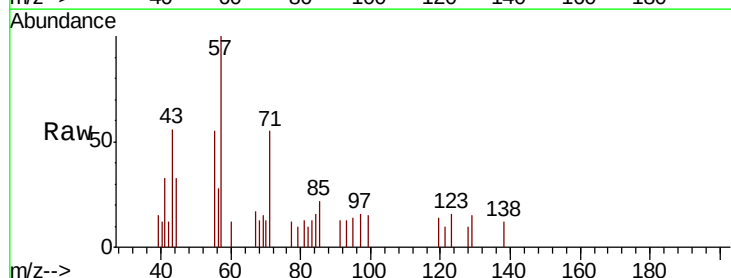
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

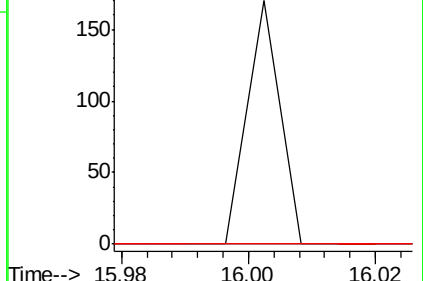
108 0.0 74.6 114.6#

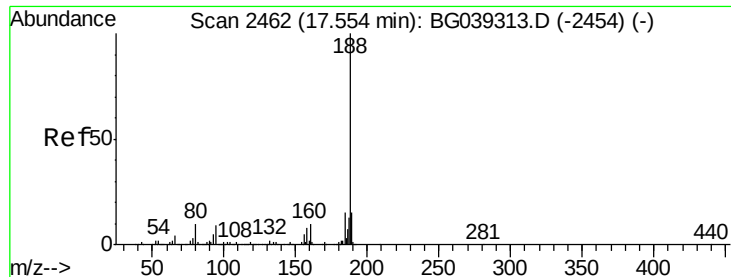


Abundance Ion 138.00 (137.70 to 138.70): E

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: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

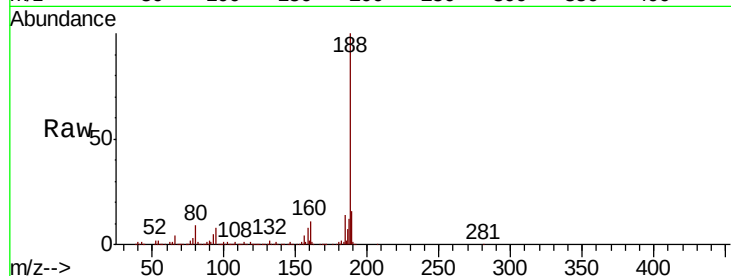
Tgt Ion:188 Resp: 399486

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

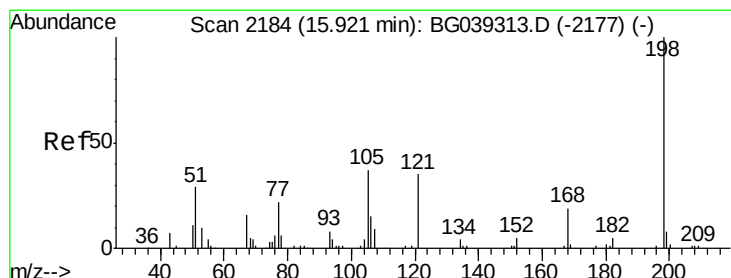
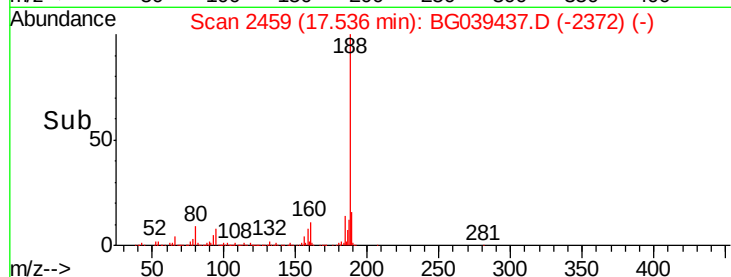
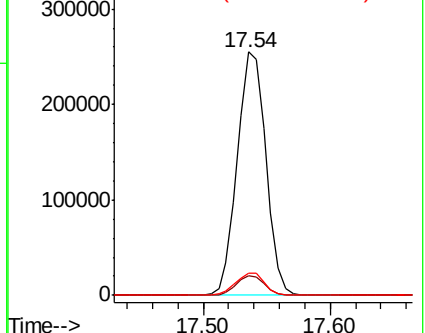
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.215 ng

RT: 15.69 min Scan# 2144

Delta R.T. -0.23 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

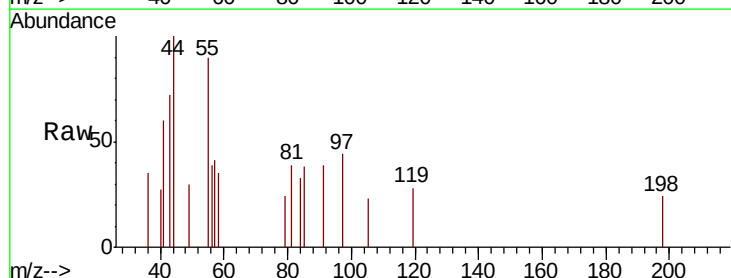
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

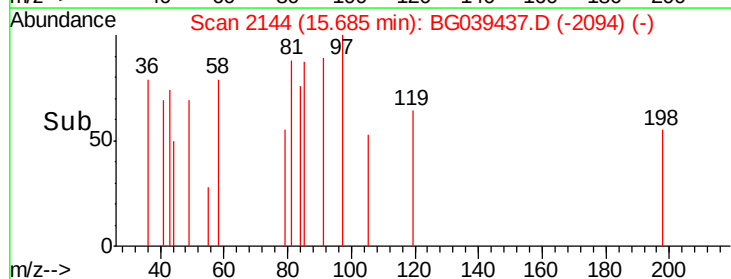
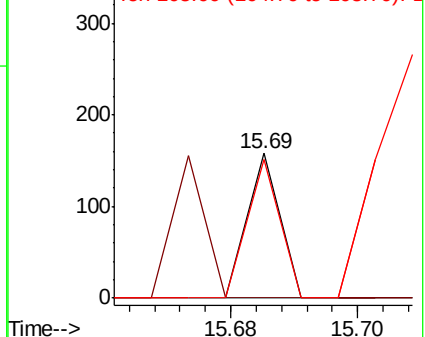
105 96.2 19.7 59.7#

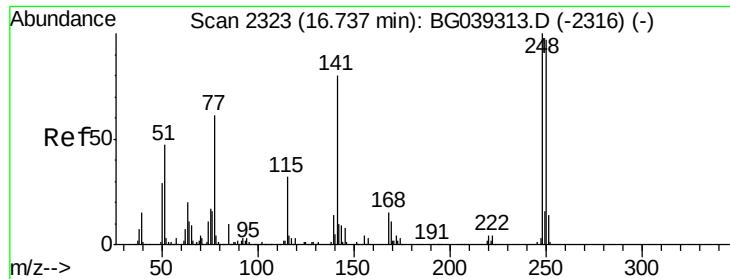


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

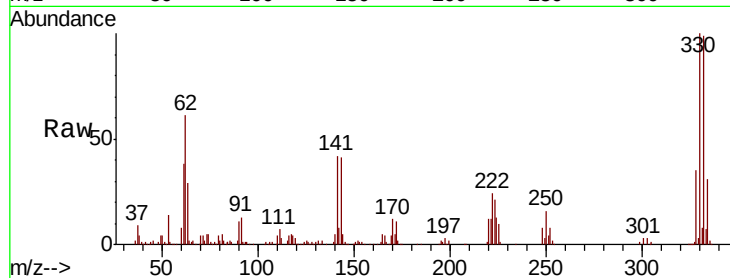




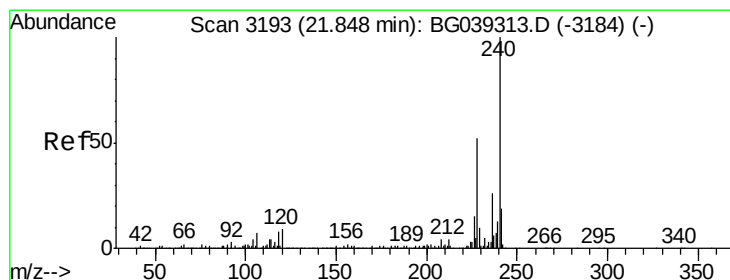
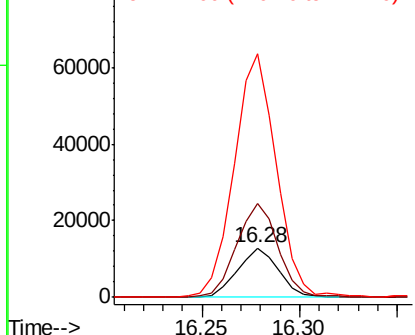
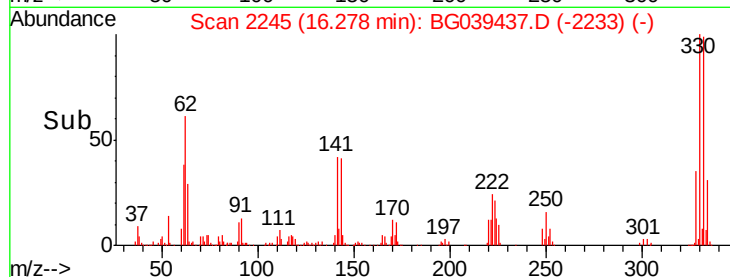
#67
4-Bromophenyl-phenylether
Concen: 4.170 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

Instrument :
BNA_G
ClientSampleId :
SS2-RB200035

Tgt Ion:248 Resp: 18480
Ion Ratio Lower Upper
248 100
250 189.2 77.6 116.4#
141 492.4 63.9 95.9#

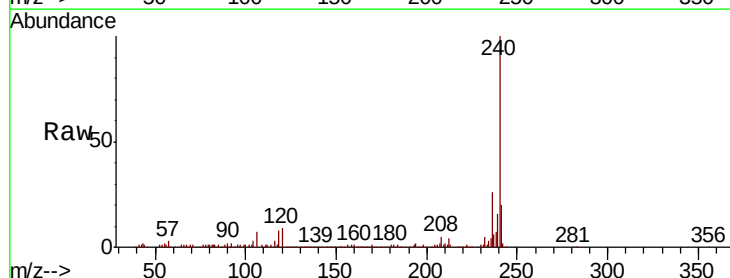


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

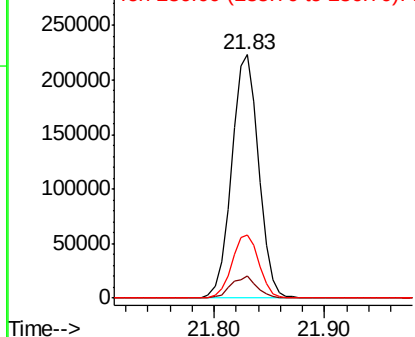
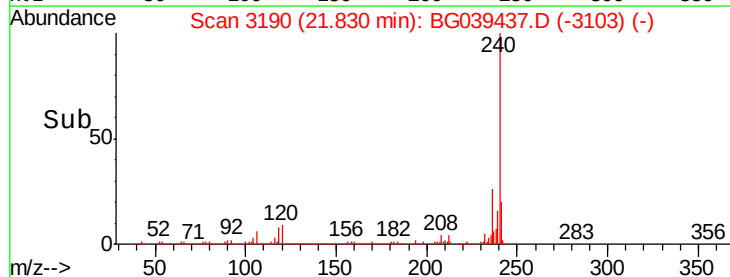


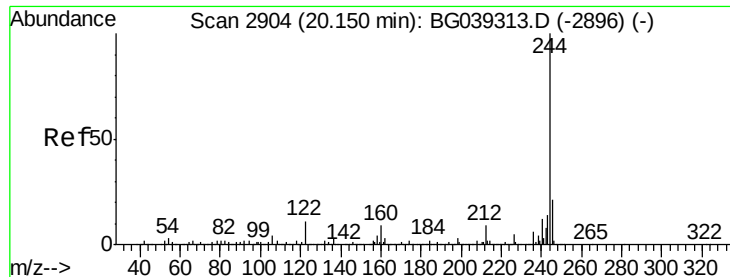
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039437.D
Acq: 11 Feb 2019 16:54

Tgt Ion:240 Resp: 382014
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 26.2 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





#79

Terphenyl-d14

Concen: 62.092 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039437.D

Acq: 11 Feb 2019 16:54

Instrument :

BNA_G

ClientSampleId :

SS2-RB200035

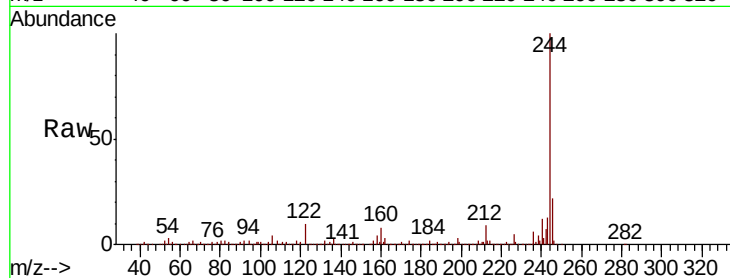
Tgt Ion:244 Resp: 1120621

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

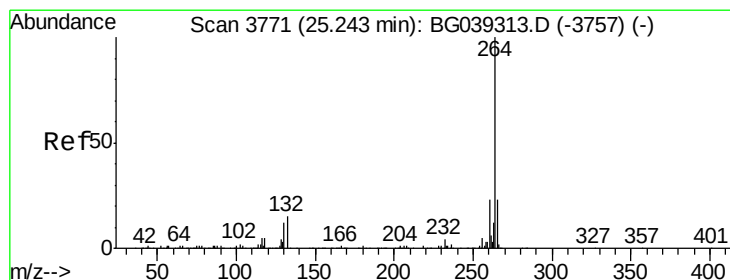
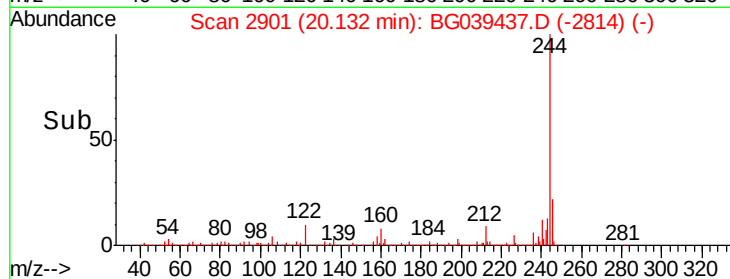
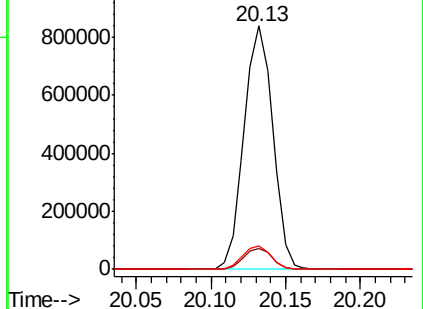
122 9.7 8.4 12.6



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: BG039437.D

Acq: 11 Feb 2019 16:54

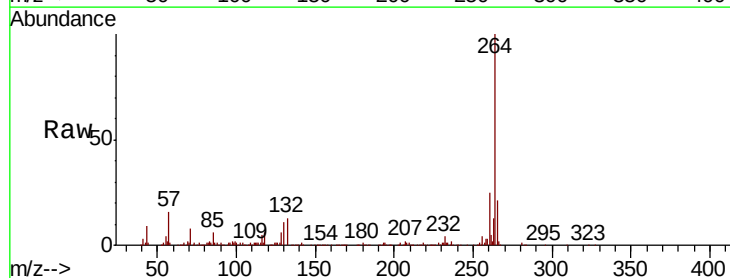
Tgt Ion:264 Resp: 397588

Ion Ratio Lower Upper

264 100

260 25.2 18.2 27.4

265 20.7 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

