

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039488.D
 Acq On : 13 Feb 2019 7:09
 Operator : JU/SJ
 Sample : K1459-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-11-S

Quant Time: Feb 13 07:49:28 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

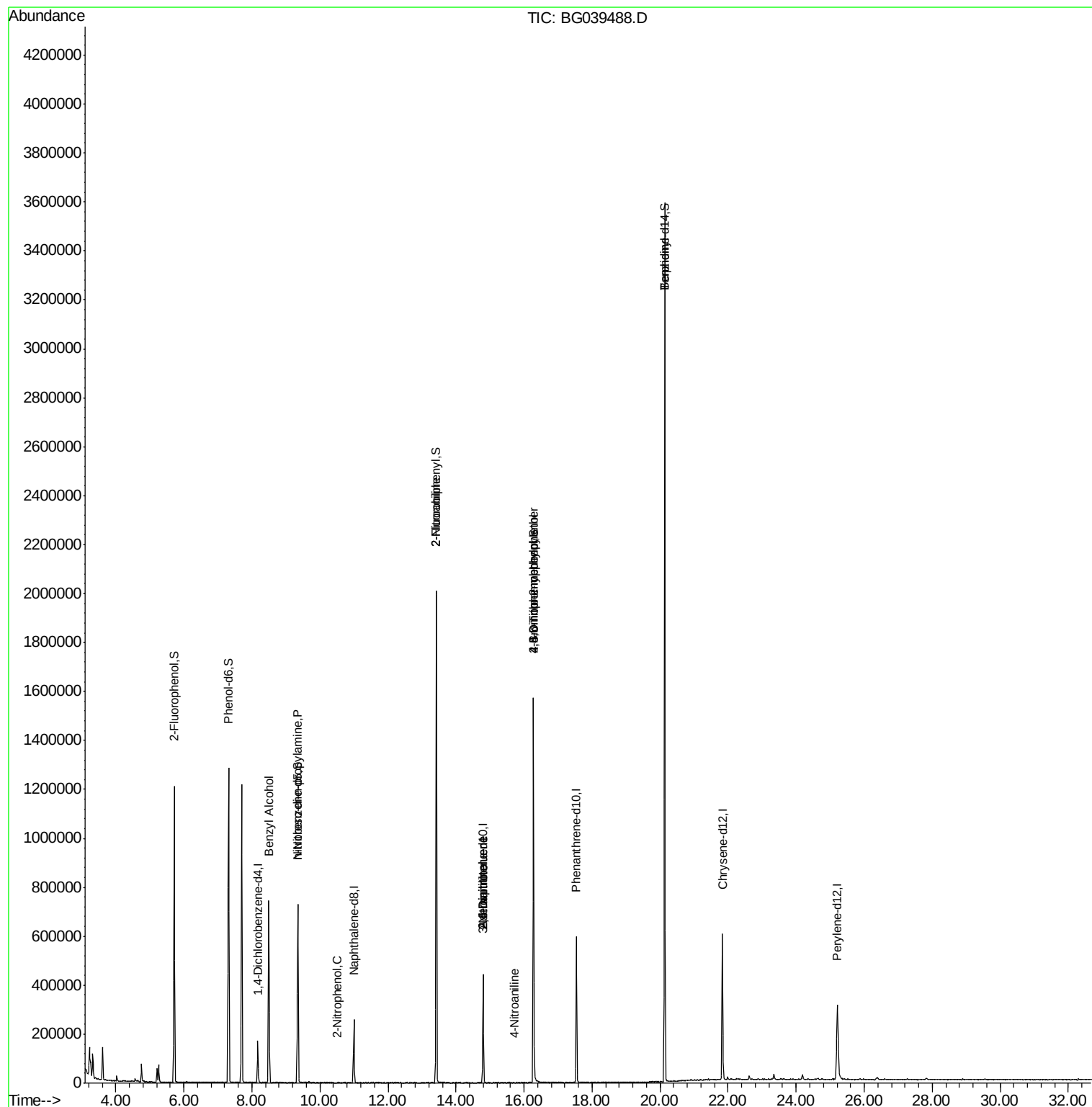
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45633	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	215009	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	159987	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	374640	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	367284	20.00	ng	-0.02
87) Perylene-d12	25.21	264	361134	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	502741	188.56	ng	0.00
7) Phenol-d6	7.31	99	727946	185.48	ng	0.00
23) Nitrobenzene-d5	9.35	82	438989	127.55	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	280183	162.63	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1061204	95.15	ng	-0.01
79) Terphenyl-d14	20.13	244	1642565	94.66	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.30	77	1440	Below Cal	Qvalue	# 4
15) Benzyl Alcohol	8.49	79	6232	2.023 ng	#	55
19) n-Nitroso-di-n-propylamine	9.35	70	57377	20.598 ng	#	73
26) 2-Nitrophenol	10.53	139	56	4.050 ng	#	31
48) 2-Nitroaniline	13.42	65	1945	8.856 ng	#	8
51) 2,6-Dinitrotoluene	14.80	165	20664	13.947 ng	#	24
53) 3-Nitroaniline	14.79	138	63	5.814 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	20664	13.416 ng	#	19
62) 4-Nitroaniline	15.73	138	57	4.222 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	1168	5.174 ng	#	2
67) 4-Bromophenyl-phenylether	16.28	248	21669	5.214 ng	#	1
77) Benizidine	20.13	184	30129	2.502 ng	#	92

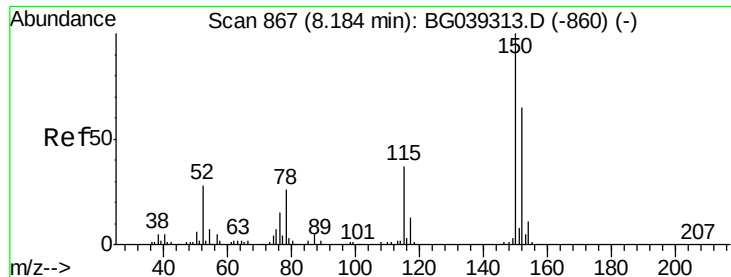
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.01 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampleId :

M-11-S

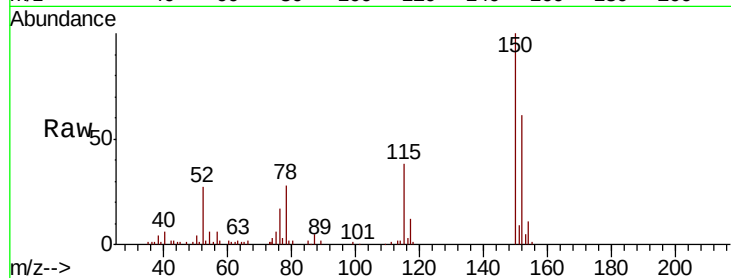
Tgt Ion:152 Resp: 45633

Ion Ratio Lower Upper

152 100

150 163.9 123.7 185.5

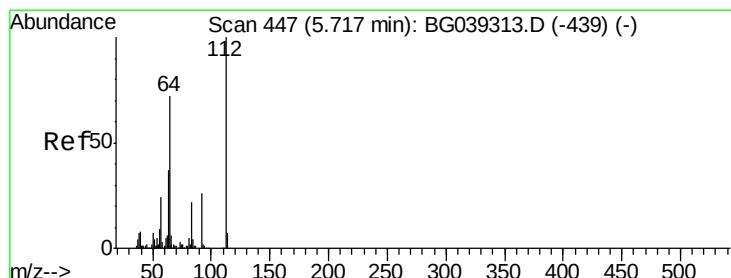
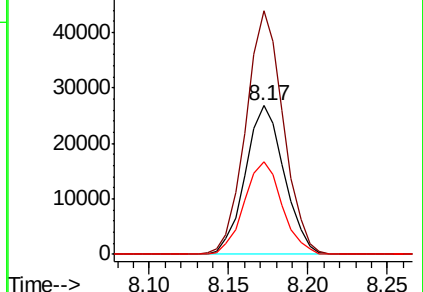
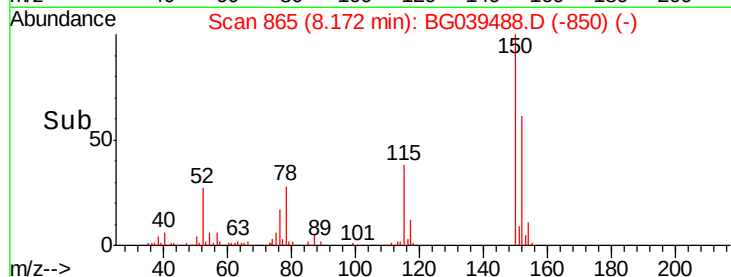
115 62.1 45.9 68.9



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



#5

2-Fluorophenol

Concen: 188.558 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

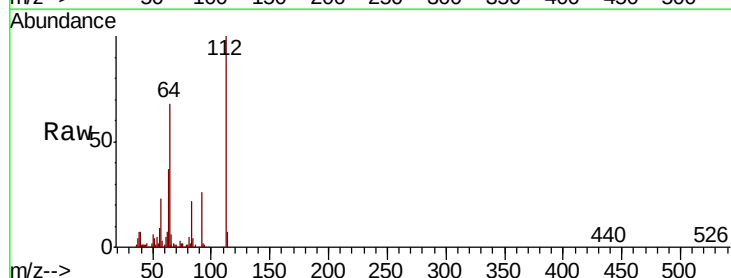
Tgt Ion:112 Resp: 502741

Ion Ratio Lower Upper

112 100

64 68.3 57.8 86.8

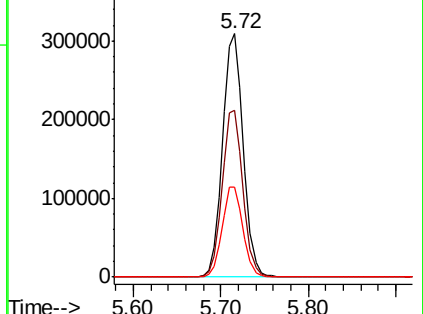
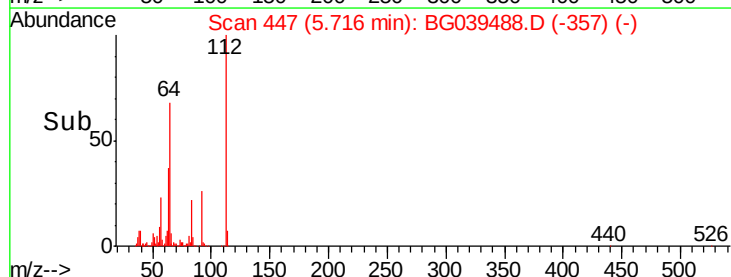
63 37.0 29.8 44.6

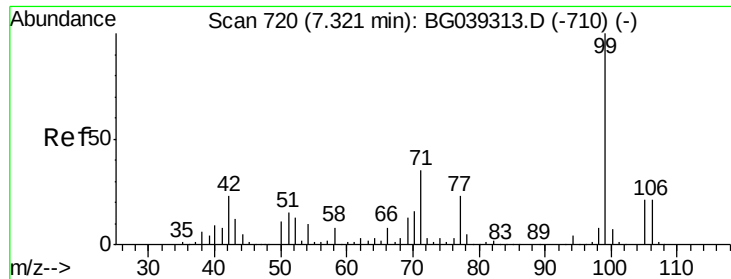


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 185.481 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampled :

M-11-S

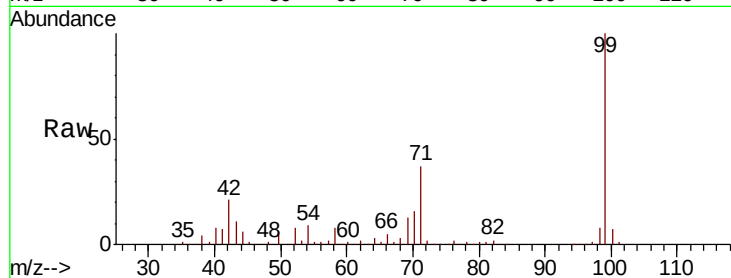
Tgt Ion: 99 Resp: 727946

Ion Ratio Lower Upper

99 100

42 21.1 18.2 27.2

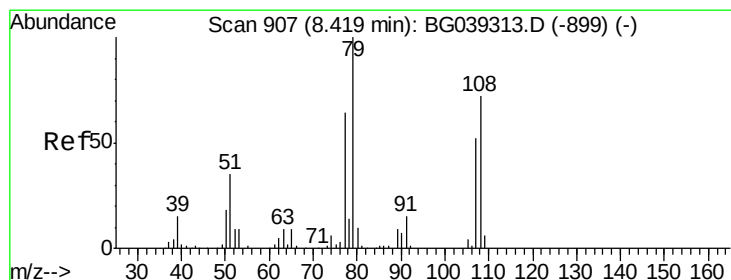
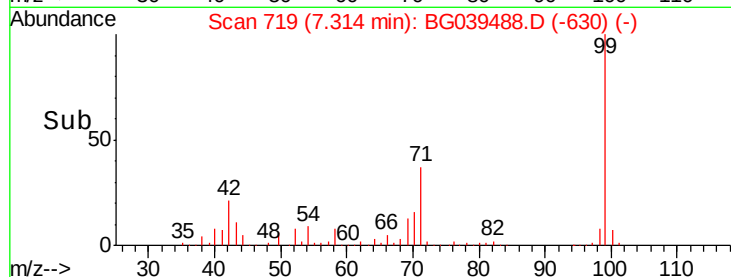
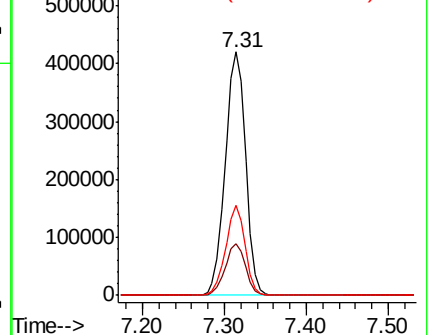
71 36.8 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 2.023 ng

RT: 8.49 min Scan# 920

Delta R.T. 0.08 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

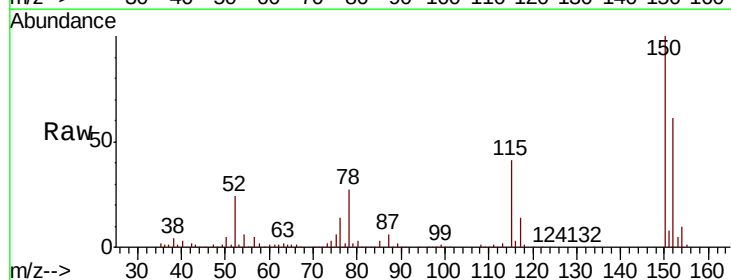
Tgt Ion: 79 Resp: 6232

Ion Ratio Lower Upper

79 100

108 26.0 57.8 86.6#

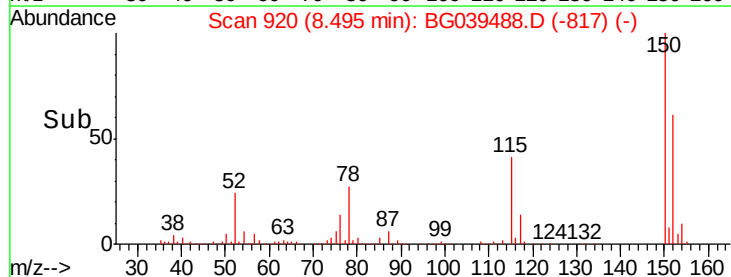
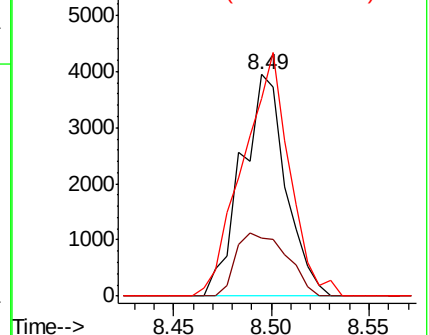
77 89.3 51.1 76.7#

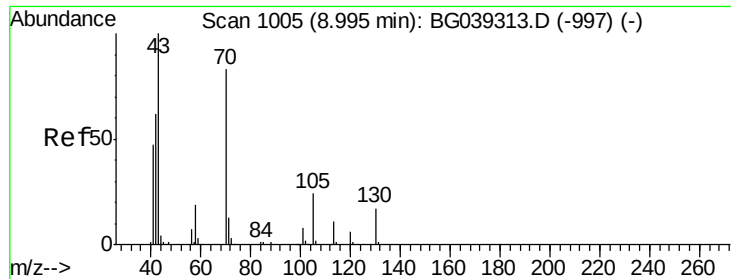


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

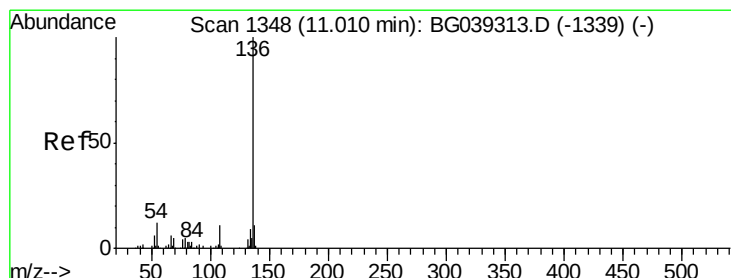
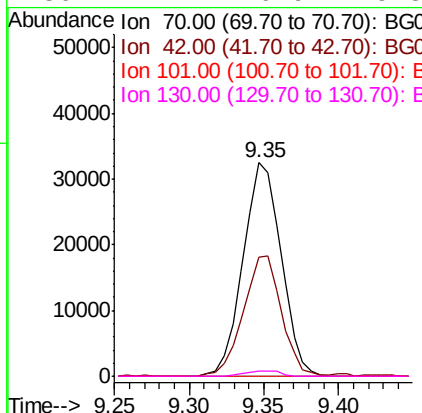
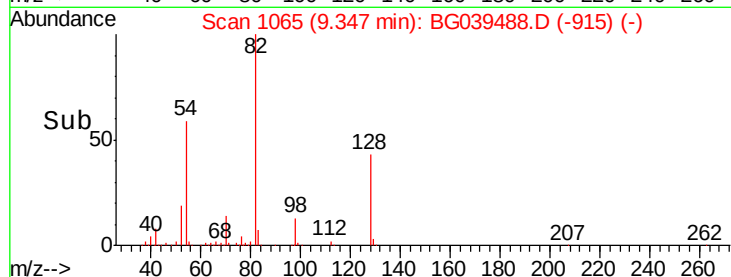
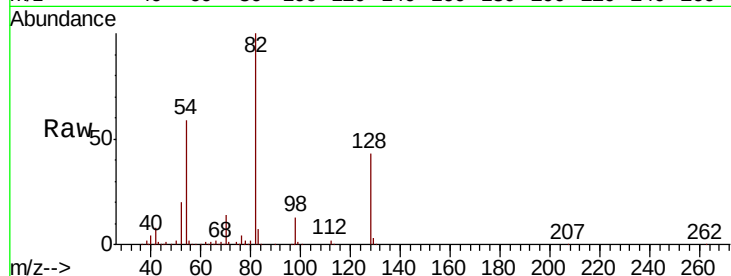




#19
n-Nitroso-di-n-propylamine
Concen: 20.598 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039488.D
Acq: 13 Feb 2019 7:09

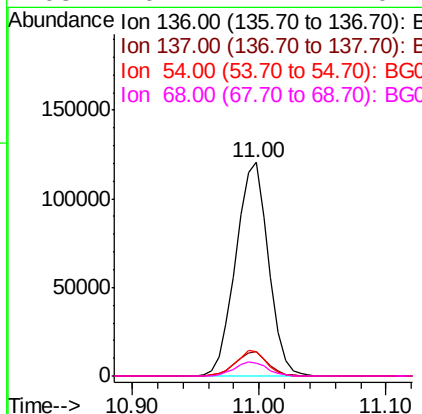
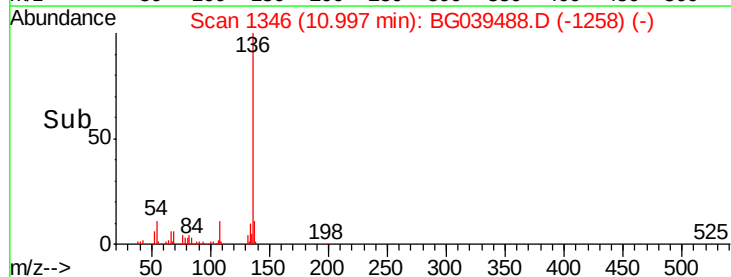
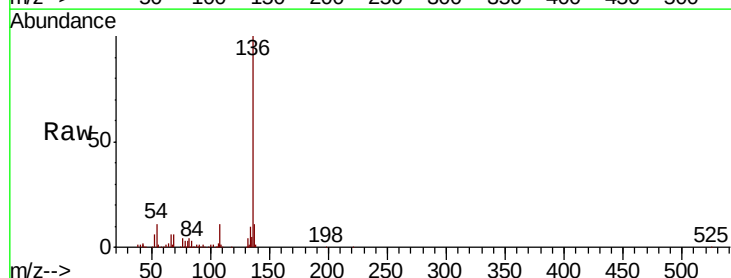
Instrument :
BNA_G
ClientSampled :
M-11-S

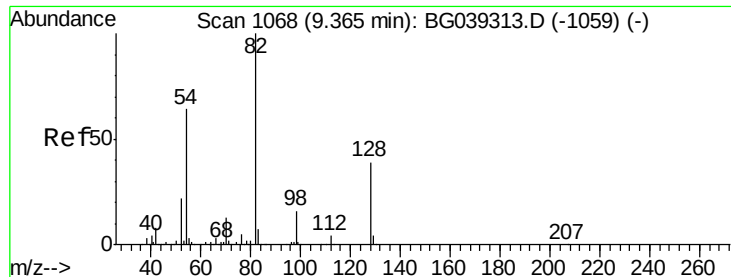
Tgt Ion: 70 Resp: 57377
Ion Ratio Lower Upper
70 100
42 55.7 60.4 90.6#
101 0.0 7.5 11.3#
130 2.7 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039488.D
Acq: 13 Feb 2019 7:09

Tgt Ion: 136 Resp: 215009
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 11.5 9.4 14.2
68 6.1 4.2 6.4





#23

Nitrobenzene-d5

Concen: 127.550 ng

RT: 9.35 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampleId :

M-11-S

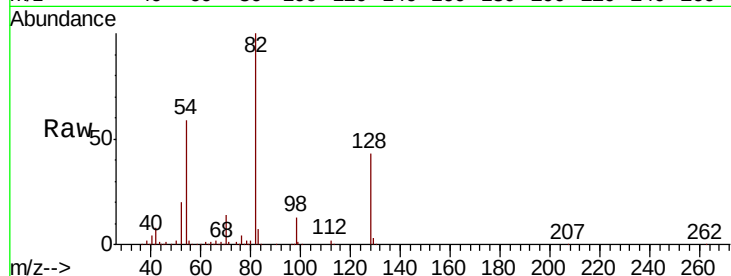
Tgt Ion: 82 Resp: 438989

Ion Ratio Lower Upper

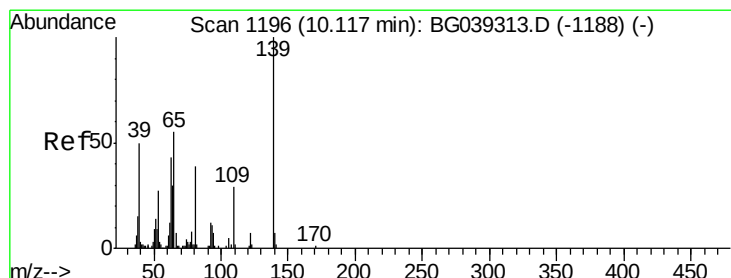
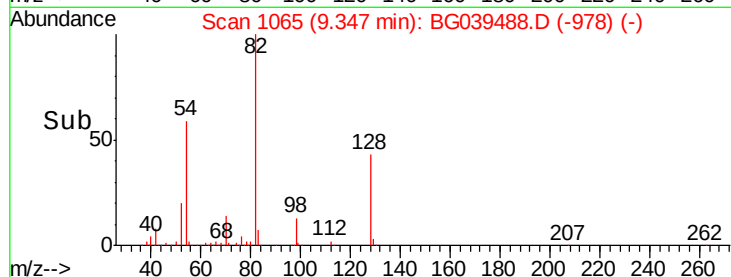
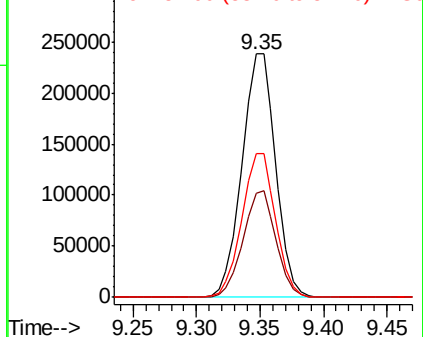
82 100

128 42.7 31.3 46.9

54 59.3 50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#26

2-Nitrophenol

Concen: 4.050 ng

RT: 10.53 min Scan# 1266

Delta R.T. 0.41 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

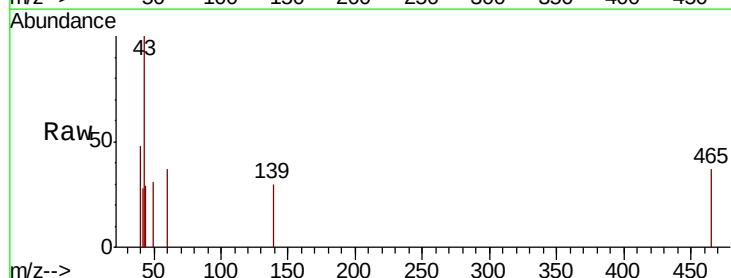
Tgt Ion: 139 Resp: 56

Ion Ratio Lower Upper

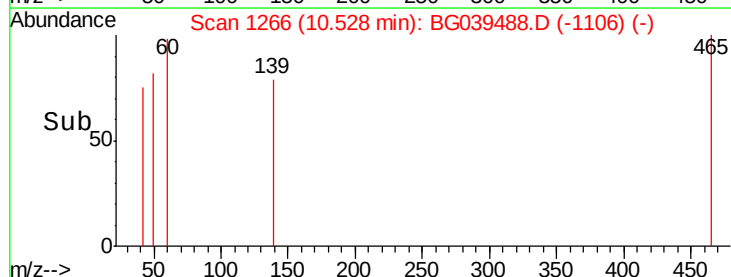
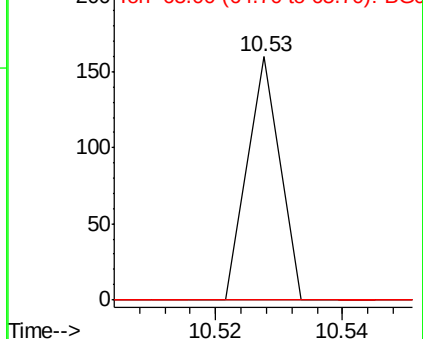
139 100

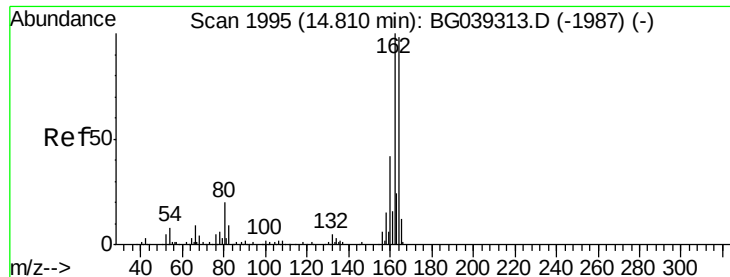
109 0.0 23.4 35.0#

65 0.0 44.3 66.5#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampleId :

M-11-S

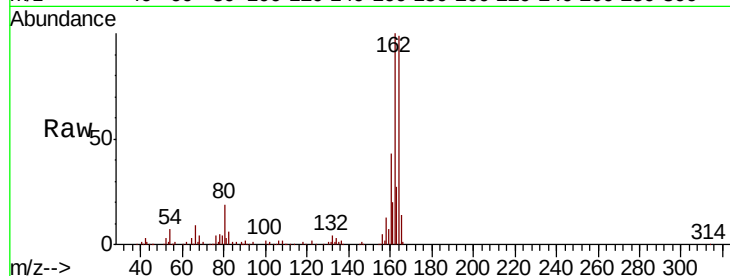
Tgt Ion:164 Resp: 159987

Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

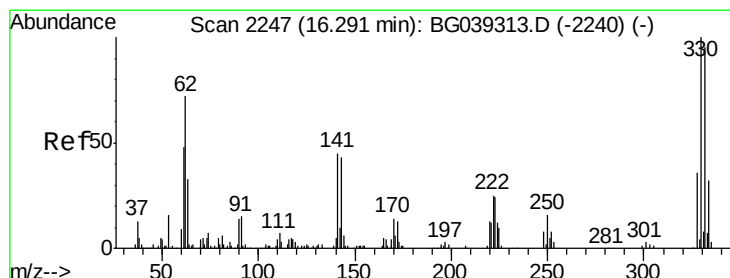
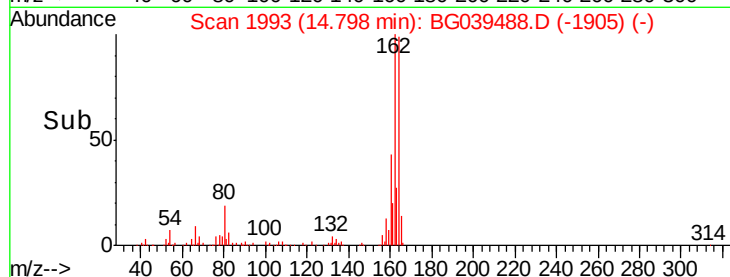
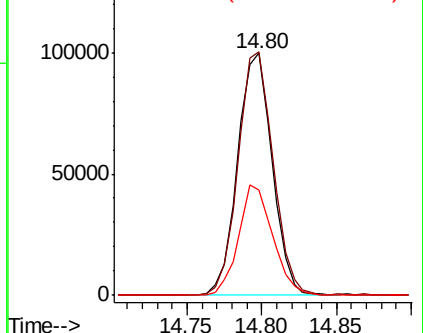
160 43.6 34.2 51.2



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: 162.634 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

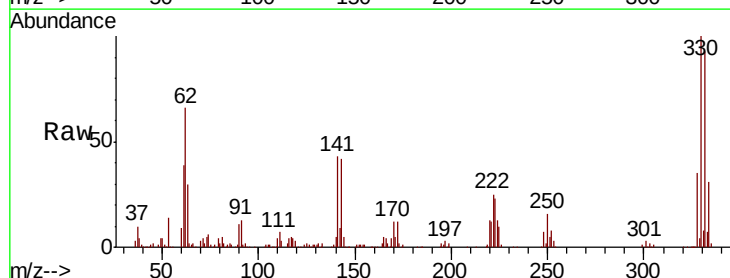
Tgt Ion:330 Resp: 280183

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

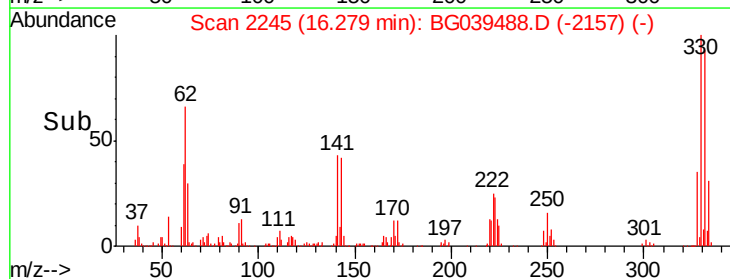
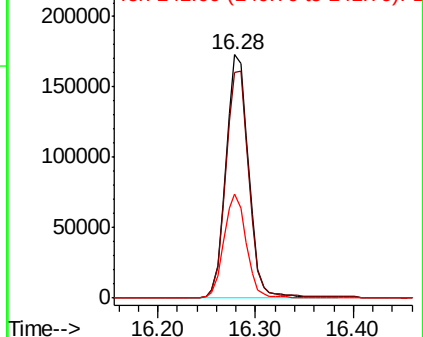
141 42.2 35.6 53.4

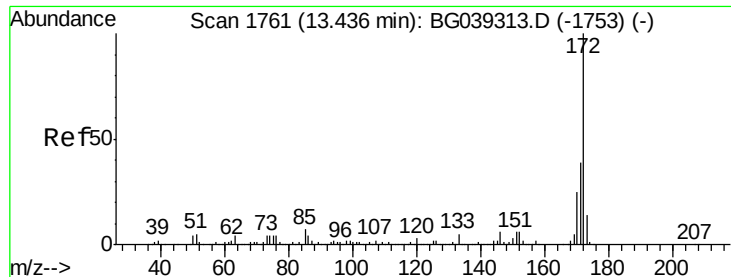


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

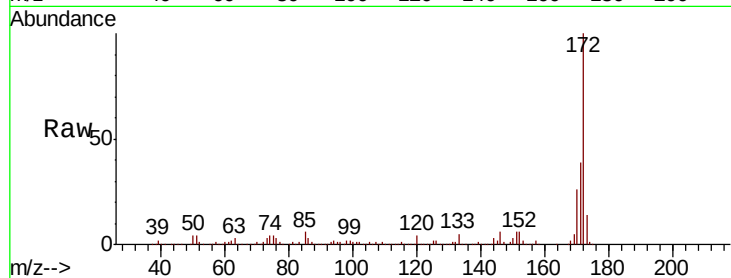




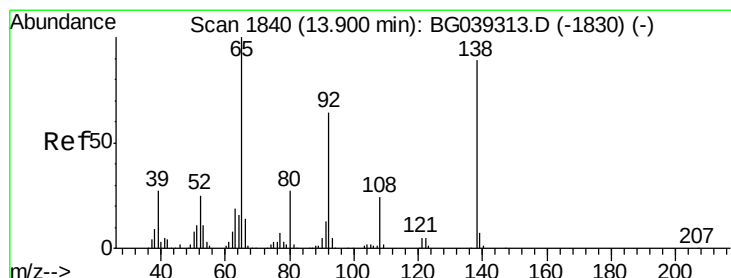
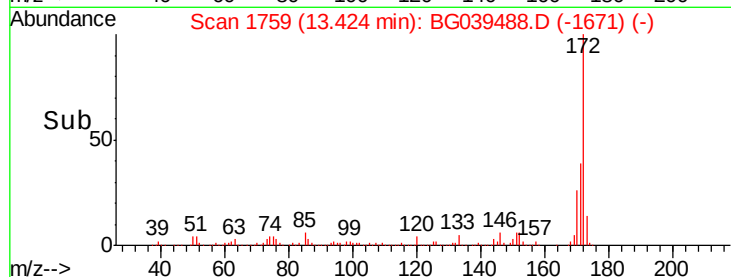
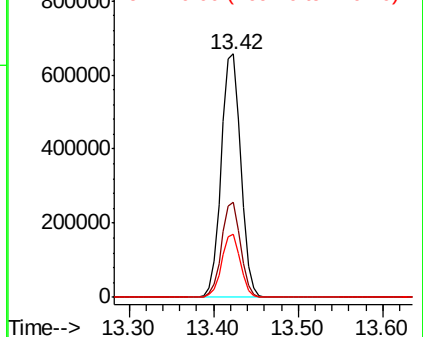
#45
2-Fluorobiphenyl
Concen: 95.155 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039488.D
Acq: 13 Feb 2019 7:09

Instrument :
BNA_G
ClientSampleId :
M-11-S

Tgt Ion: 172 Resp: 1061204
Ion Ratio Lower Upper
172 100
171 39.1 30.8 46.2
170 25.8 20.2 30.4

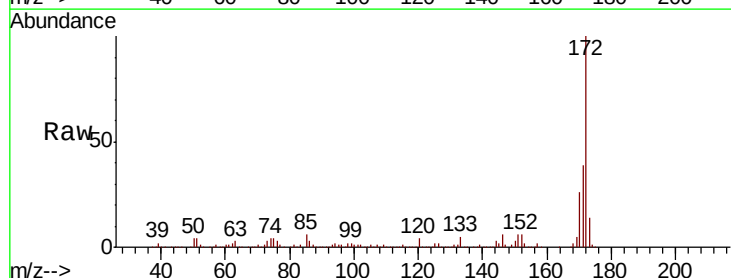


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

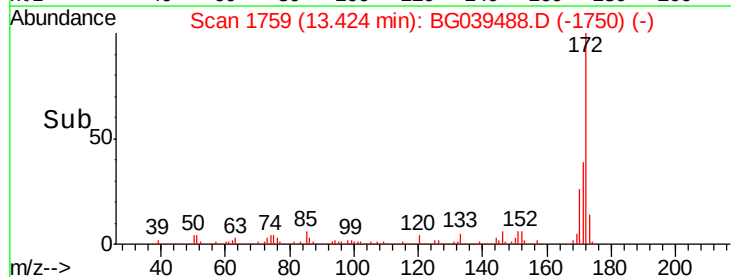
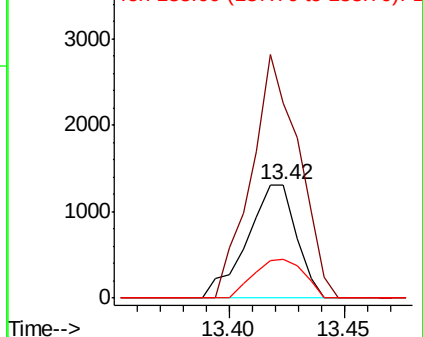


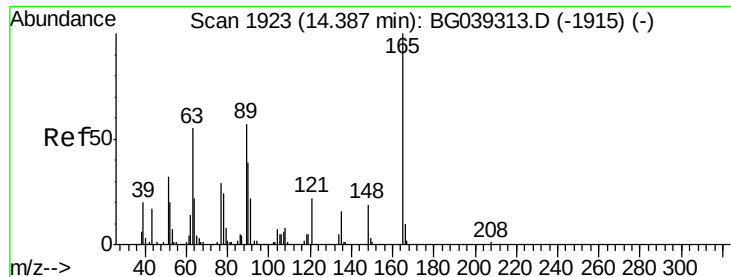
#48
2-Nitroaniline
Concen: 8.856 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039488.D
Acq: 13 Feb 2019 7:09

Tgt Ion: 65 Resp: 1945
Ion Ratio Lower Upper
65 100
92 171.2 51.4 77.2#
138 33.7 71.4 107.2#



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

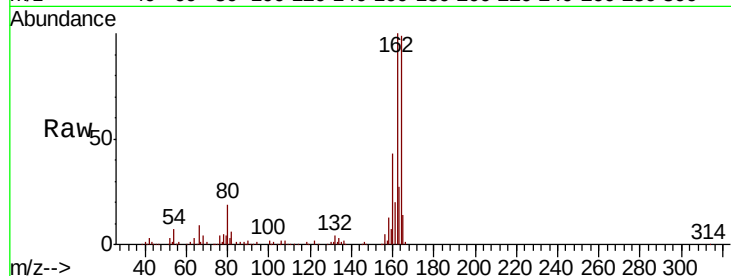




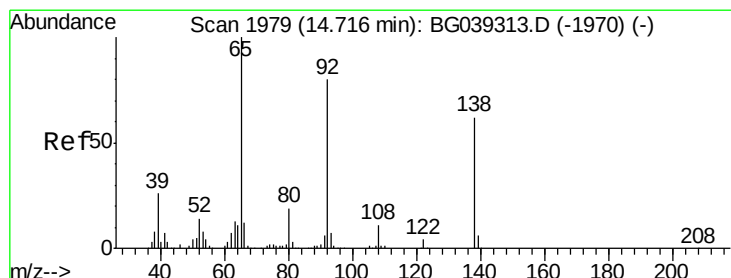
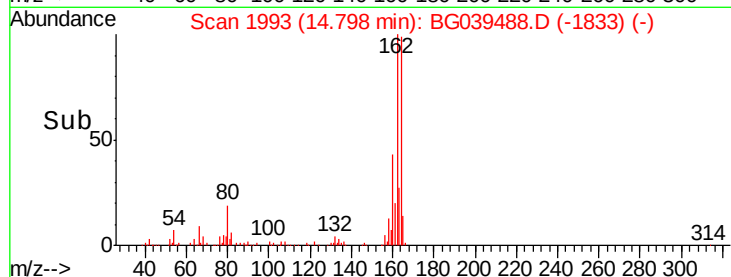
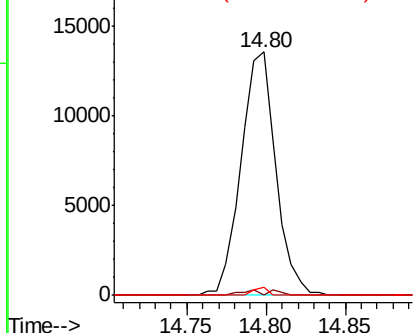
#51
 2,6-Dinitrotoluene
 Concen: 13.947 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

Instrument :
 BNA_G
 ClientSampleId :
 M-11-S

Tgt Ion:165 Resp: 20664
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 3.3 45.8 68.8#

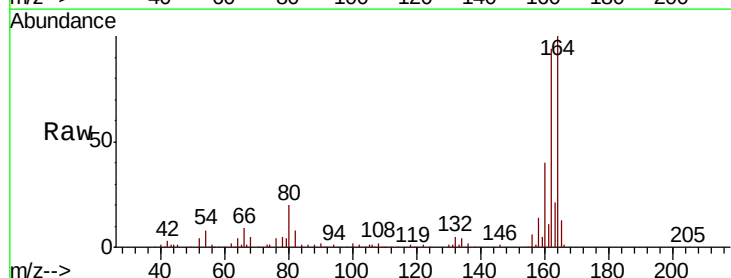


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

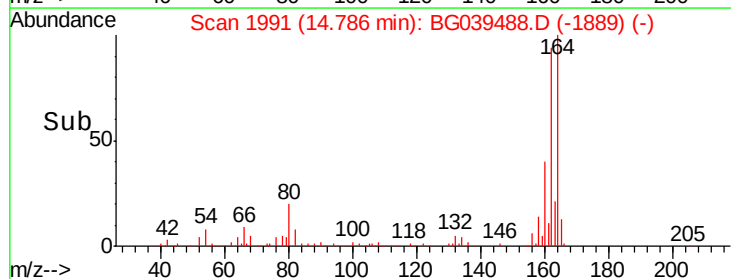
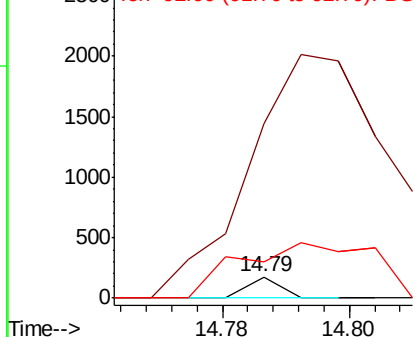


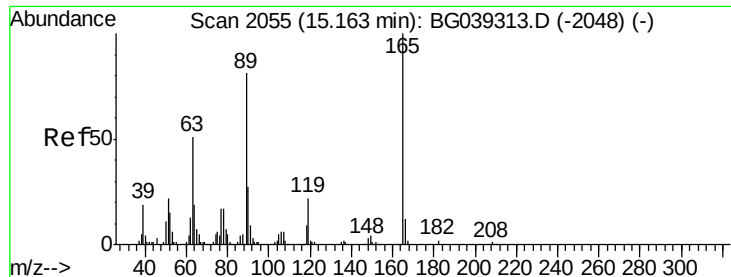
#53
 3-Nitroaniline
 Concen: 5.814 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.07 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

Tgt Ion:138 Resp: 63
 Ion Ratio Lower Upper
 138 100
 108 811.2 13.8 20.8#
 92 170.8 103.7 155.5#



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

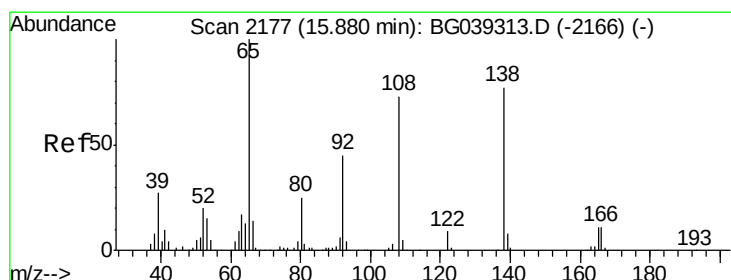
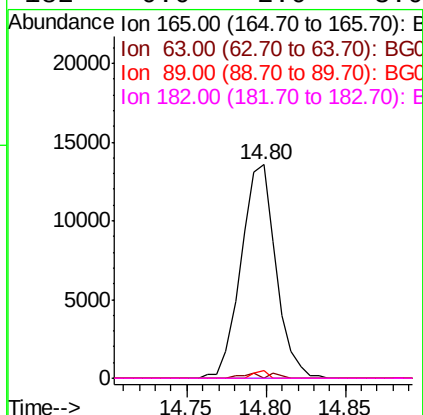
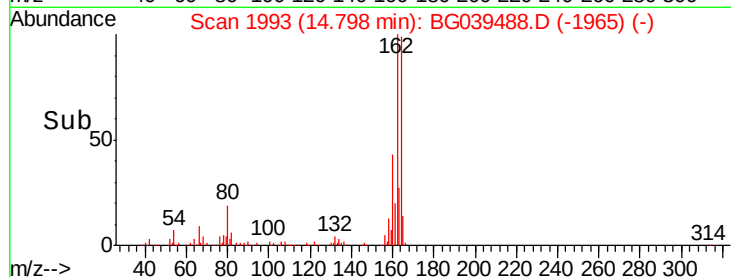
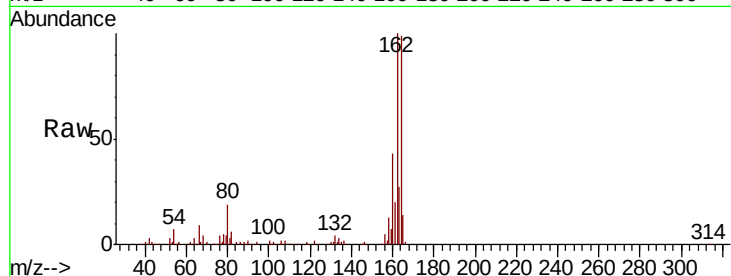




#57
 2,4-Dinitrotoluene
 Concen: 13.416 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.36 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

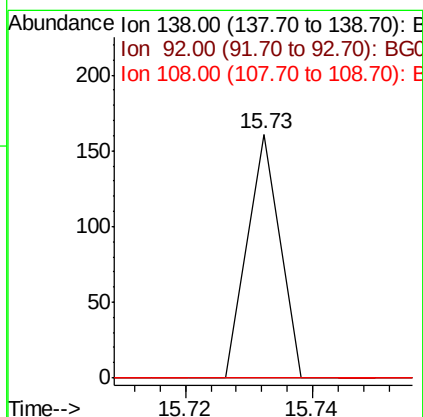
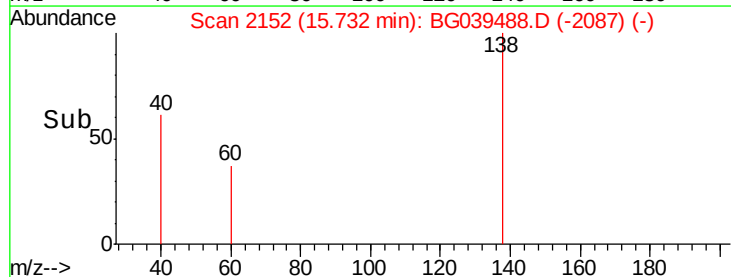
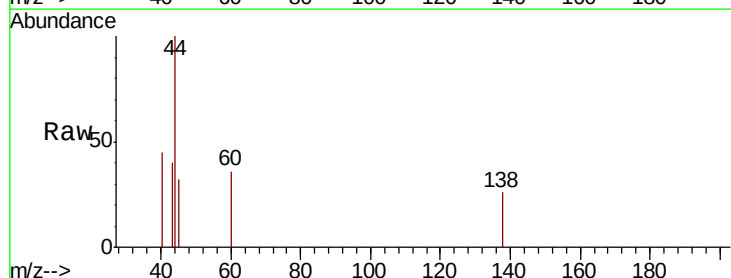
Instrument :
 BNA_G
 ClientSampleId :
 M-11-S

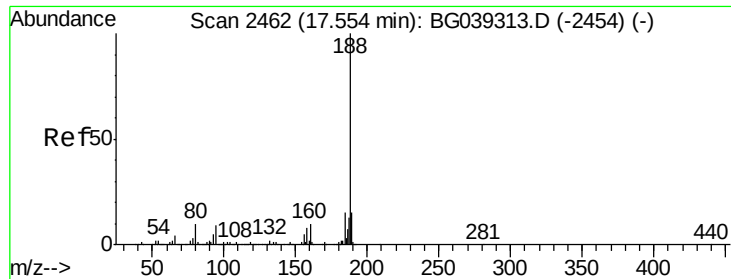
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	3.3	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.222 ng
 RT: 15.73 min Scan# 2152
 Delta R.T. -0.15 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampleId :

M-11-S

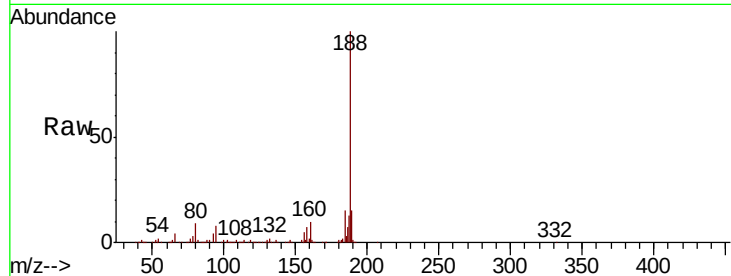
Tgt Ion:188 Resp: 374640

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

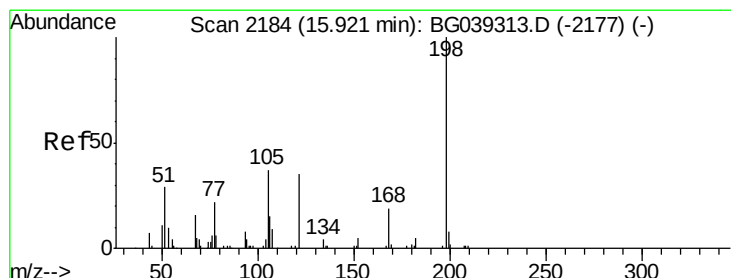
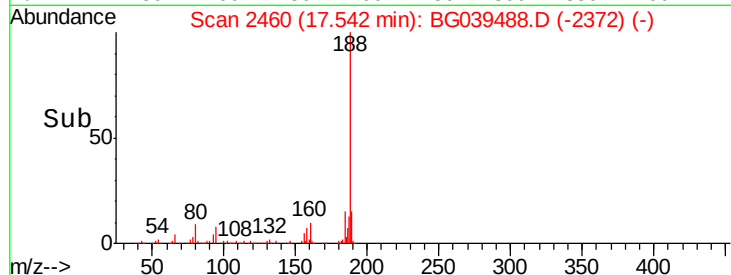
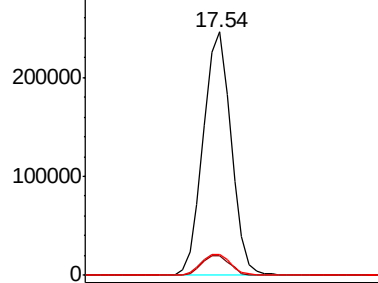
80 8.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 5.174 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

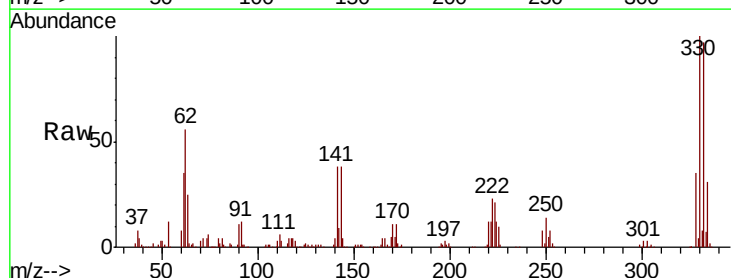
Tgt Ion:198 Resp: 1168

Ion Ratio Lower Upper

198 100

51 98.7 27.4 67.4#

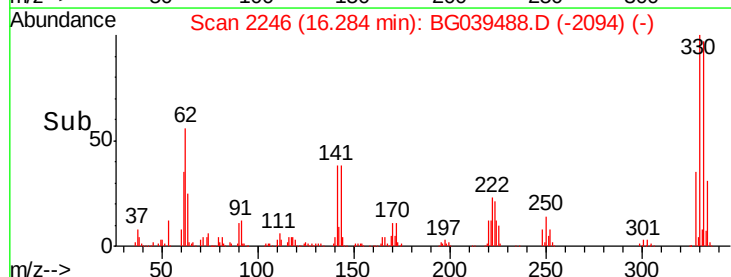
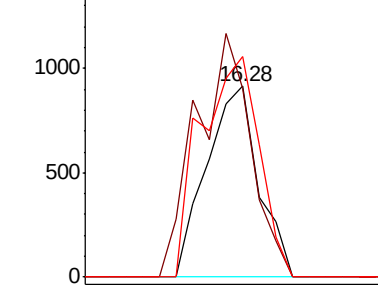
105 115.4 19.7 59.7#

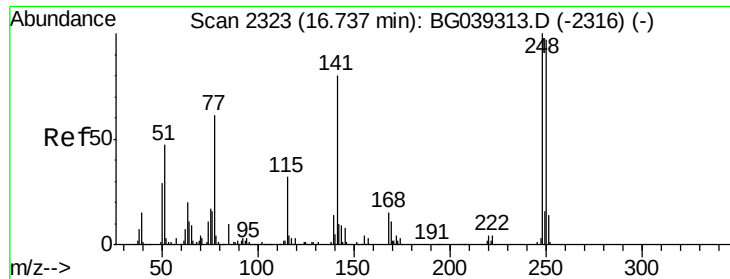


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

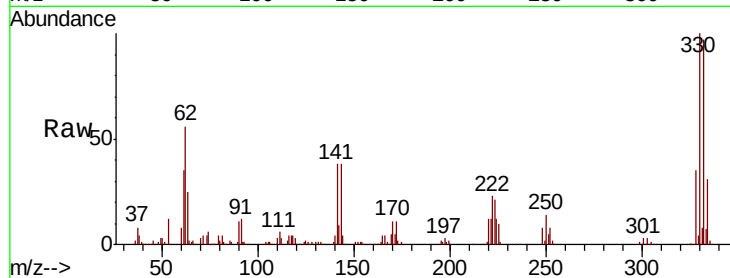




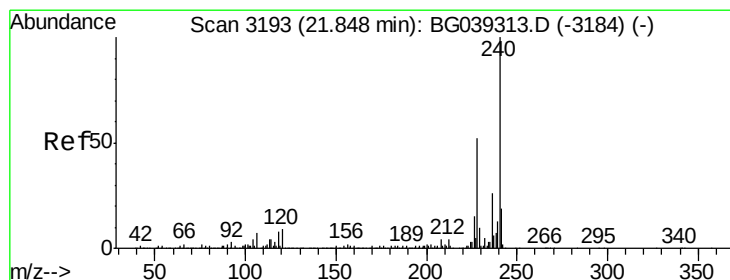
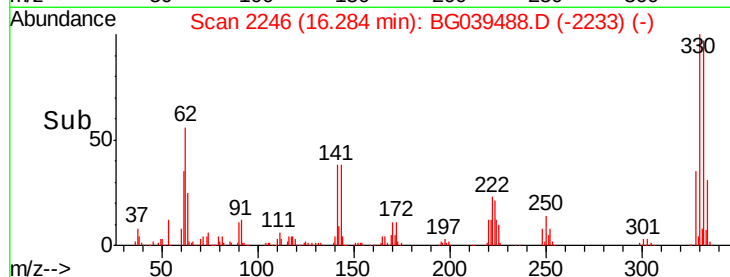
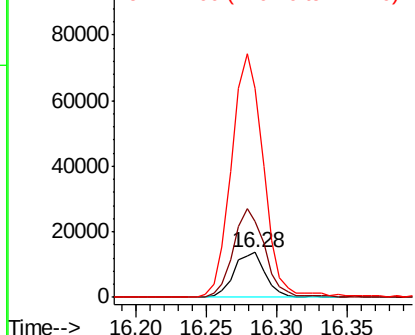
#67
 4-Bromophenyl-phenylether
 Concen: 5.214 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

Instrument :
 BNA_G
 ClientSampleId :
 M-11-S

Tgt Ion:248 Resp: 21669
 Ion Ratio Lower Upper
 248 100
 250 168.7 77.6 116.4#
 141 464.0 63.9 95.9#

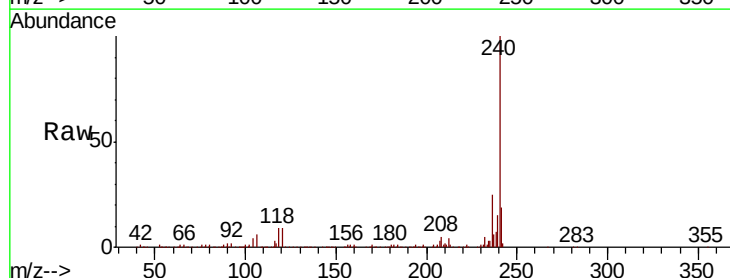


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

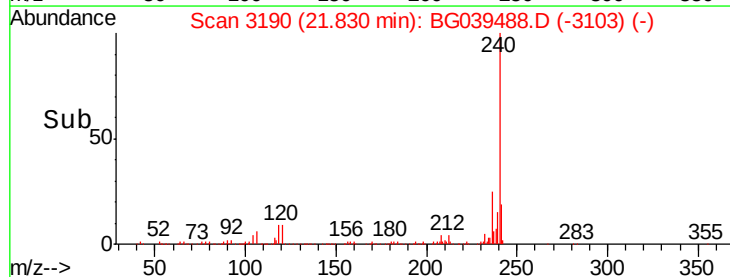
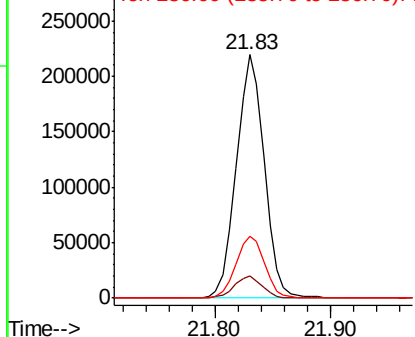


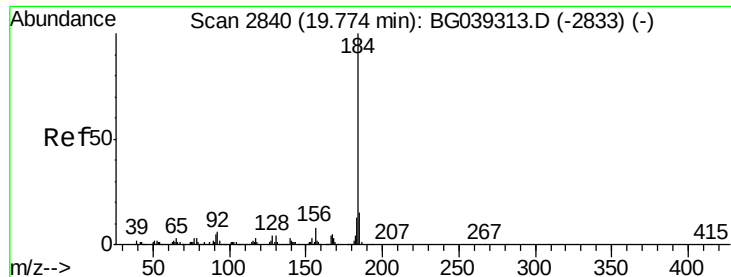
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039488.D
 Acq: 13 Feb 2019 7:09

Tgt Ion:240 Resp: 367284
 Ion Ratio Lower Upper
 240 100
 120 9.1 7.0 10.6
 236 25.3 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: 2.502 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

Instrument :

BNA_G

ClientSampleId :

M-11-S

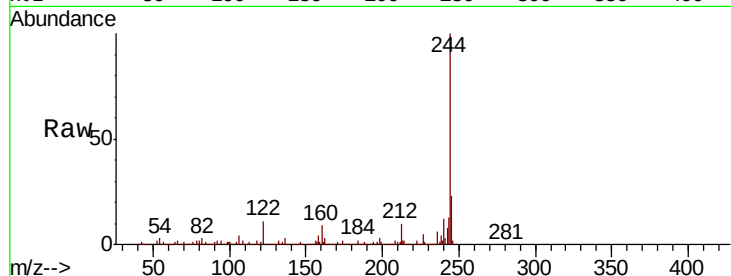
Tgt Ion:184 Resp: 30129

Ion Ratio Lower Upper

184 100

185 12.1 12.2 18.2#

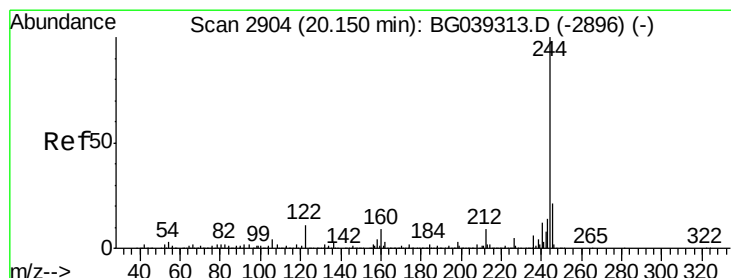
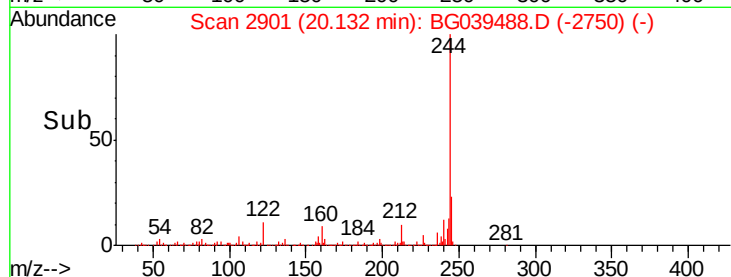
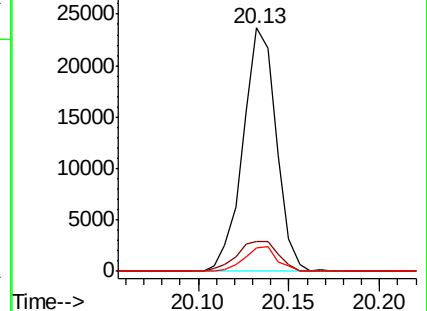
183 9.4 10.6 15.8#



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: 94.662 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039488.D

Acq: 13 Feb 2019 7:09

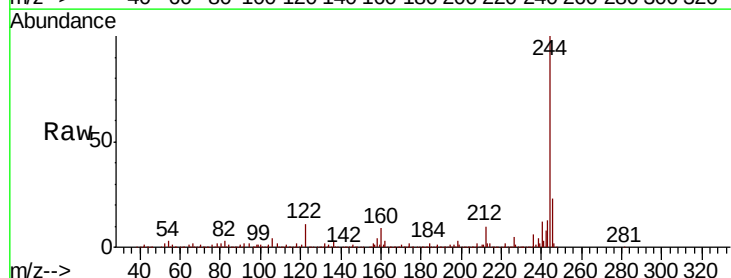
Tgt Ion:244 Resp: 1642565

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

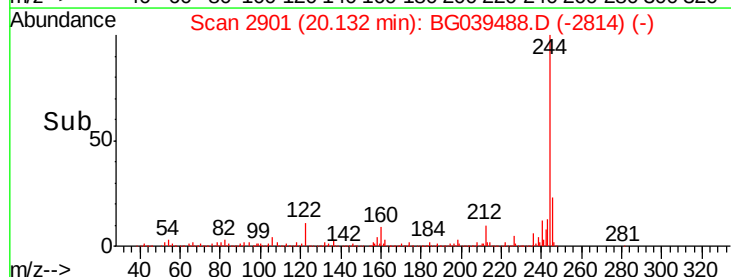
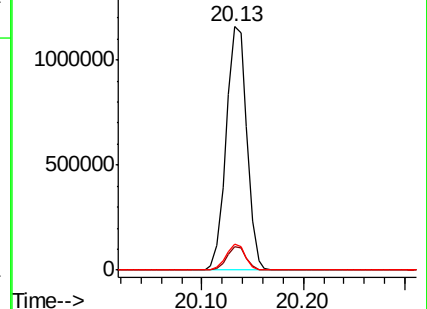
122 10.7 8.4 12.6

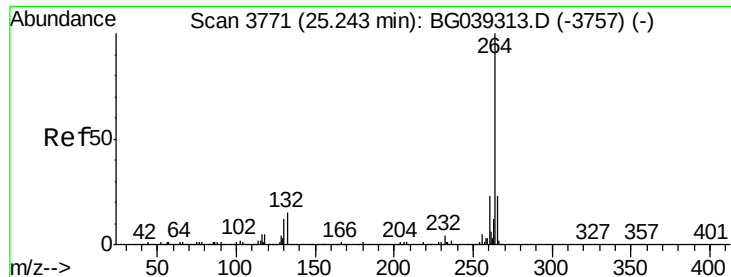


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3766
Delta R.T. -0.03 min
Lab File: BG039488.D
Acq: 13 Feb 2019 7:09

Instrument :
BNA_G
ClientSampleId :
M-11-S

Tgt Ion:	264	Resp:	361134
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.6	18.5	27.7

