

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039550.D
 Acq On : 18 Feb 2019 22:00
 Operator : JU/SJ
 Sample : K1508-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-13-S

Quant Time: Feb 19 00:46:22 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

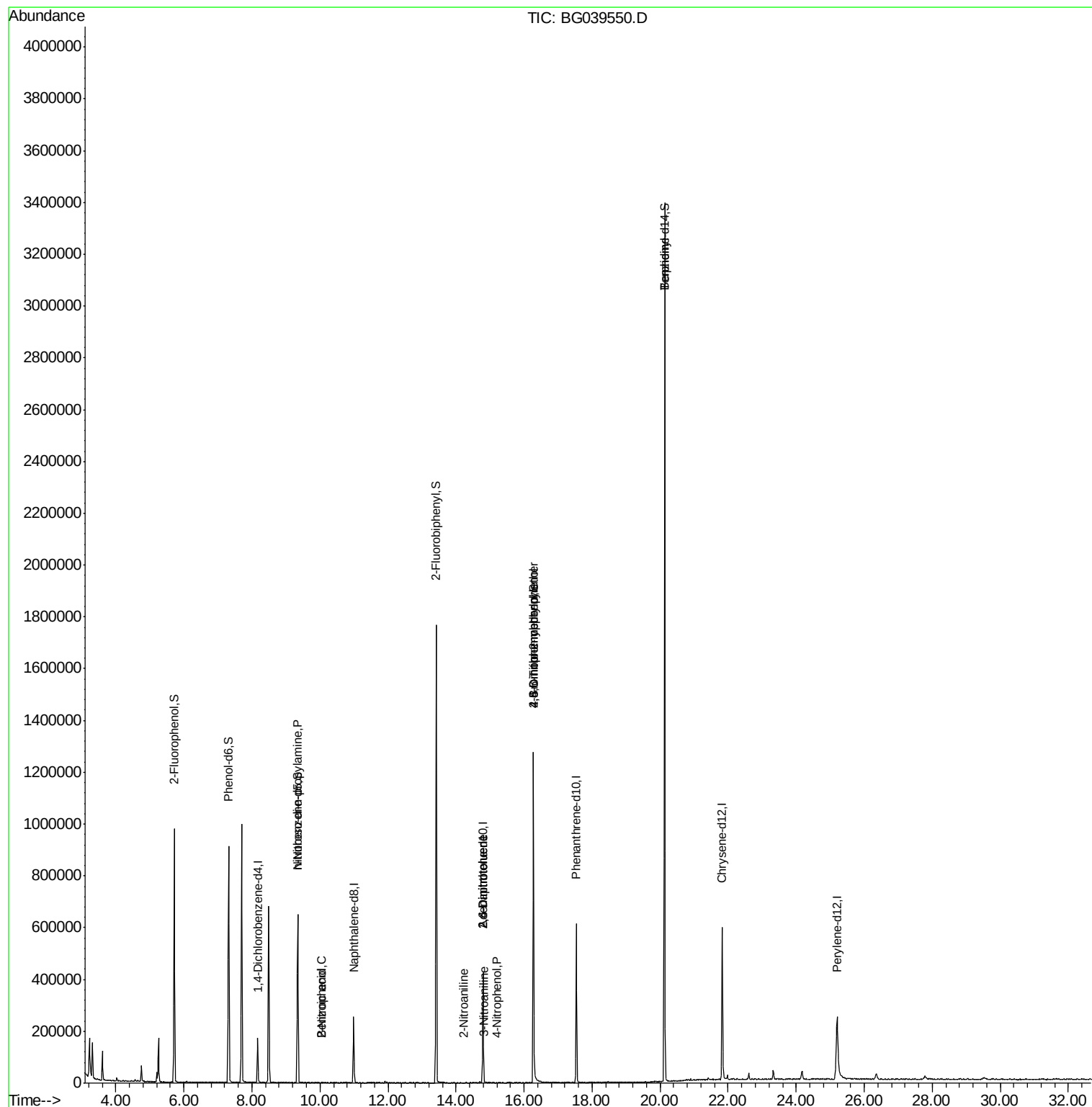
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49538	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	216783	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	150074	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	380016	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	391174	20.00	ng	-0.03
87) Perylene-d12	25.20	264	334437	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	408029	140.97	ng	0.00
7) Phenol-d6	7.31	99	540343	126.83	ng	0.00
23) Nitrobenzene-d5	9.35	82	385108	110.98	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	231316	143.14	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	935392	89.41	ng	-0.02
79) Terphenyl-d14	20.13	244	1596584	86.39	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	835	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	49969	16.525	ng	# 4
26) 2-Nitrophenol	10.04	139	87	4.075	ng	# 31
32) Benzoic acid	10.03	122	56	9.043	ng	# 1
48) 2-Nitroaniline	14.21	65	55	8.313	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	19226	13.887	ng	# 22
53) 3-Nitroaniline	14.83	138	54	5.812	ng	# 1
56) 4-Nitrophenol	15.20	139	57	5.818	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19226	13.371	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.28	198	748	4.806	ng	# 5
67) 4-Bromophenyl-phenylether	16.28	248	18336	4.349	ng	# 1
77) Benzidine	20.13	184	28222	2.201	ng	# 93

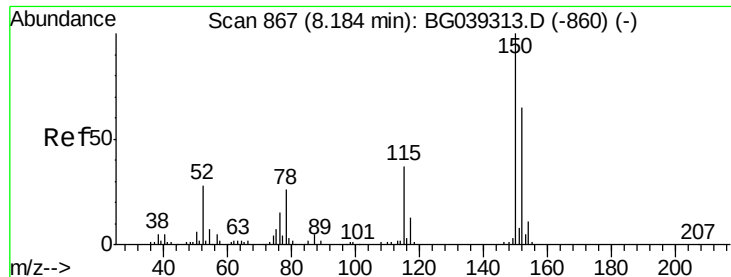
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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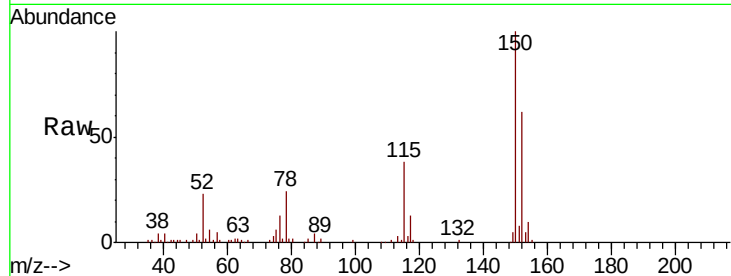


#1

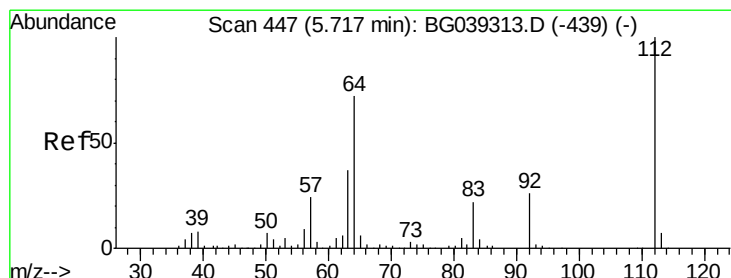
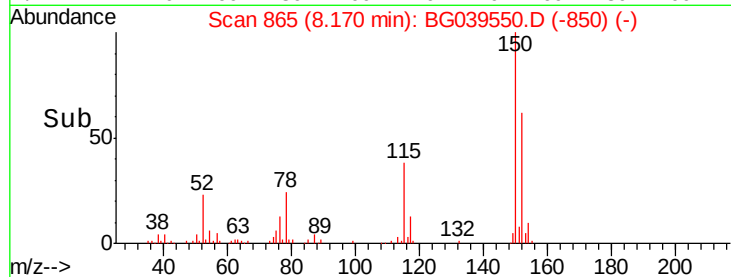
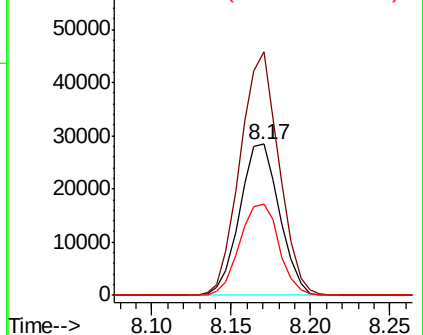
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Instrument :
BNA_G
ClientSampleId :
M-13-S

Tgt Ion:152 Resp: 49538
Ion Ratio Lower Upper
152 100
150 161.2 123.7 185.5
115 60.5 45.9 68.9



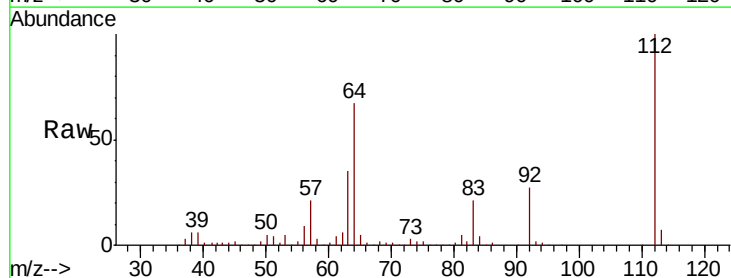
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



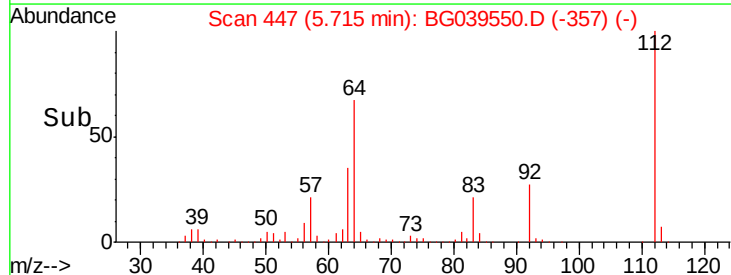
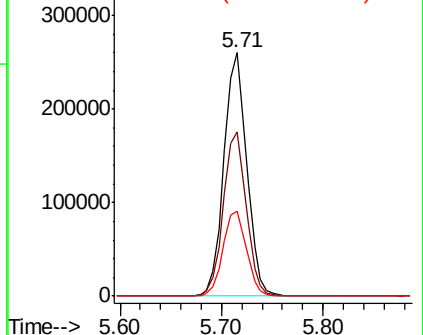
#5

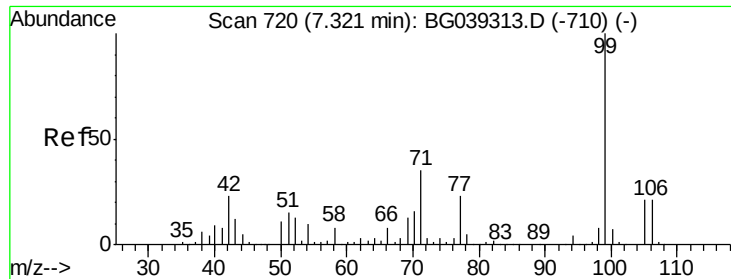
2-Fluorophenol
Concen: 140.972 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Tgt Ion:112 Resp: 408029
Ion Ratio Lower Upper
112 100
64 67.5 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: 126.827 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

Instrument :

BNA_G

ClientSampleId :

M-13-S

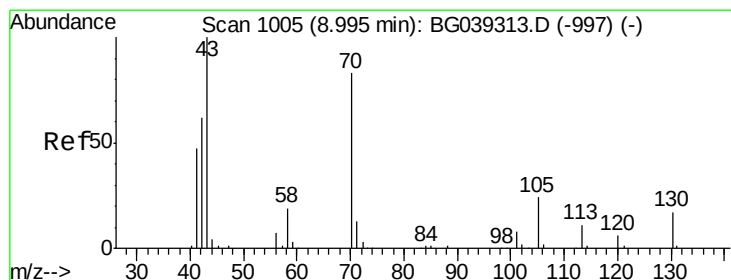
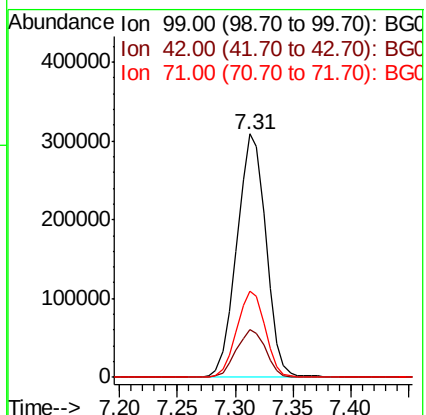
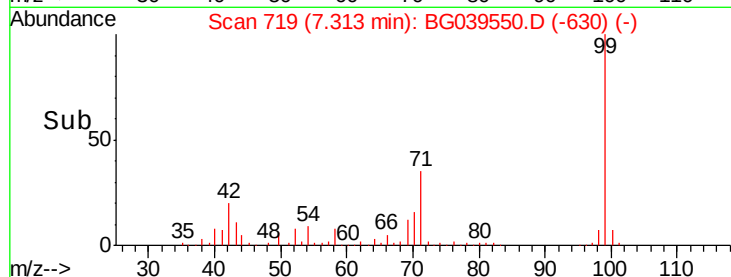
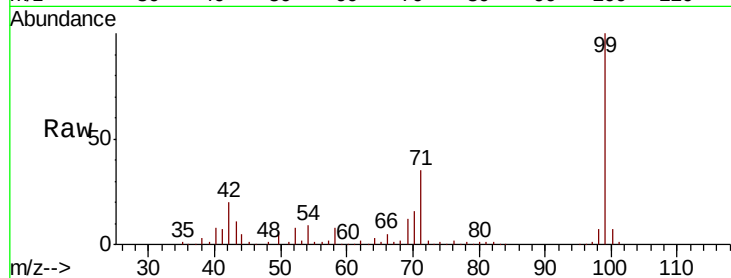
Tgt Ion: 99 Resp: 540343

Ion Ratio Lower Upper

99 100

42 19.8 18.2 27.2

71 35.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.525 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

Tgt Ion: 70 Resp: 49969

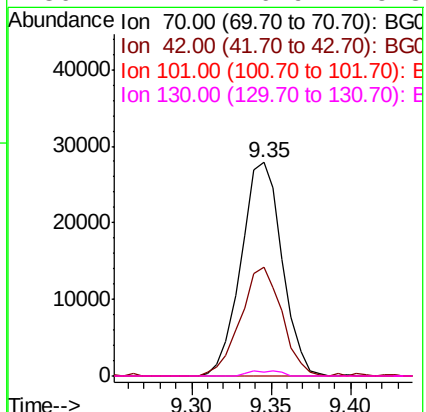
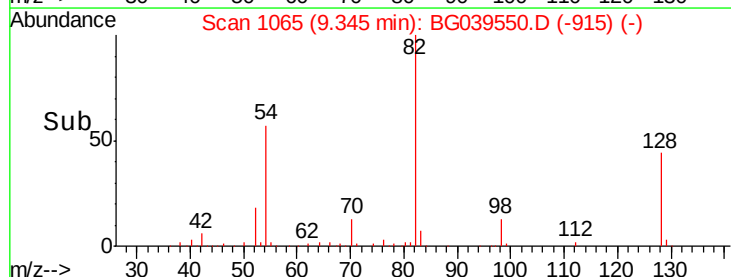
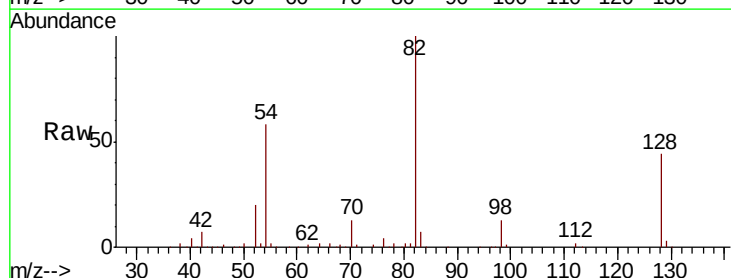
Ion Ratio Lower Upper

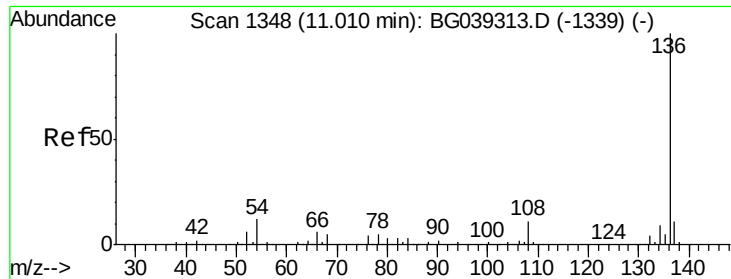
70 100

42 50.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

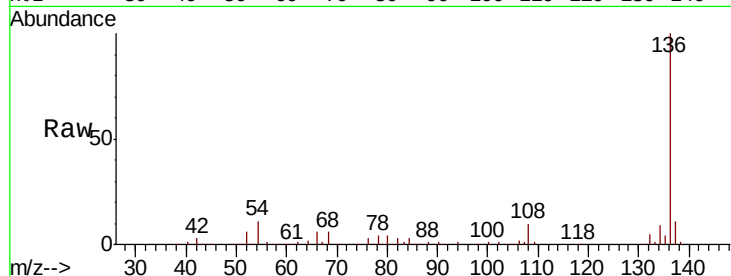




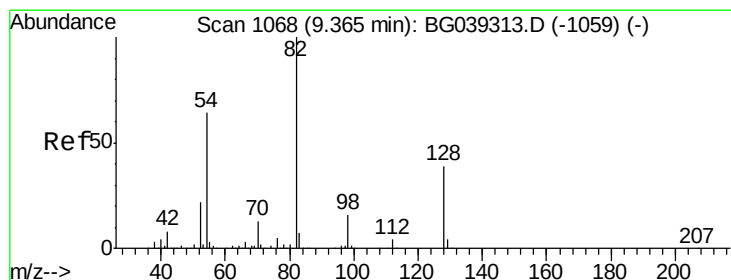
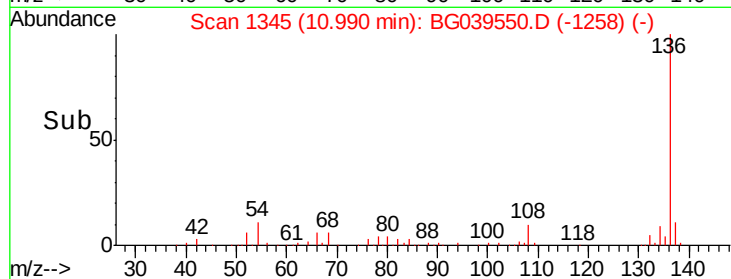
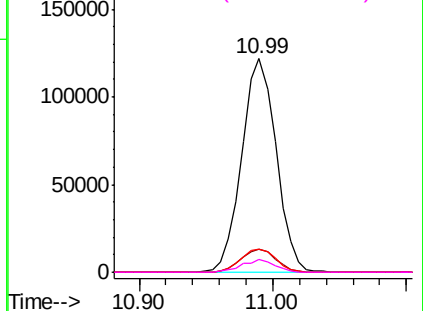
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Instrument :
BNA_G
ClientSampleId :
M-13-S

Tgt Ion:	136	Resp:	216783
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.8	9.4	14.2
68	5.7	4.2	6.4

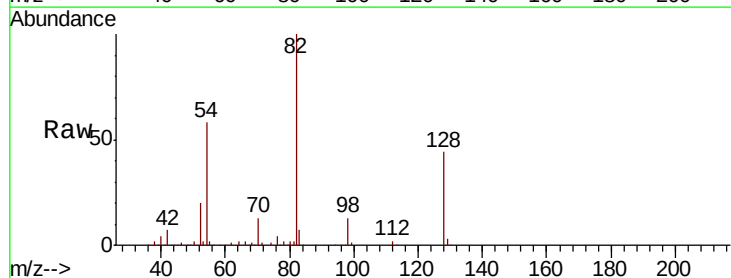


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

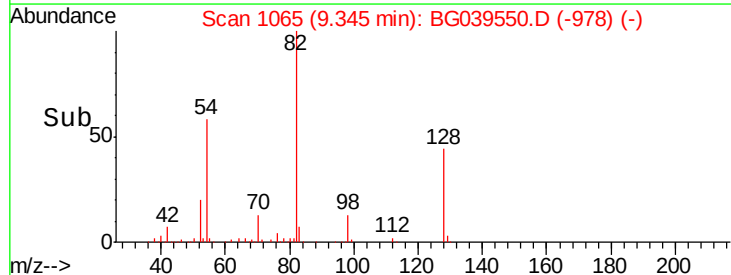
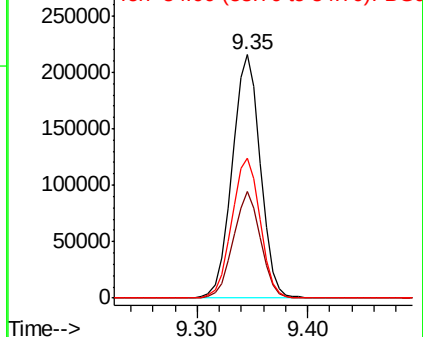


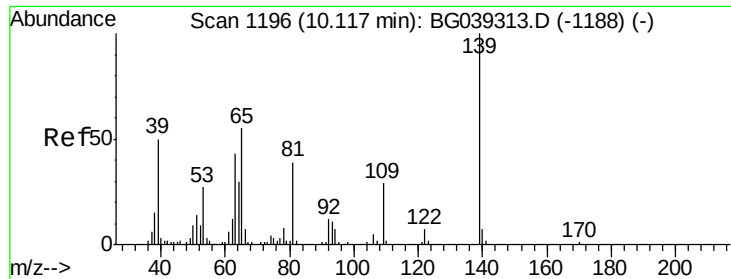
#23
Nitrobenzene-d5
Concen: 110.979 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Tgt Ion:	82	Resp:	385108
Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.3	46.9
54	57.6	50.9	76.3



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

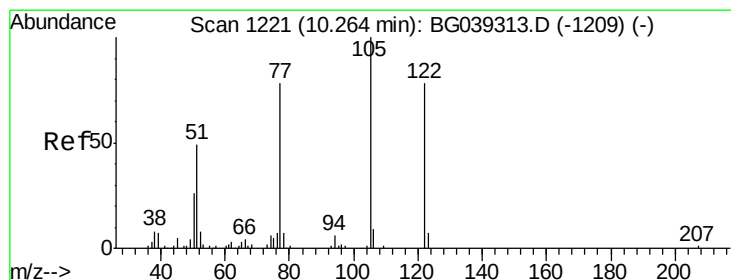
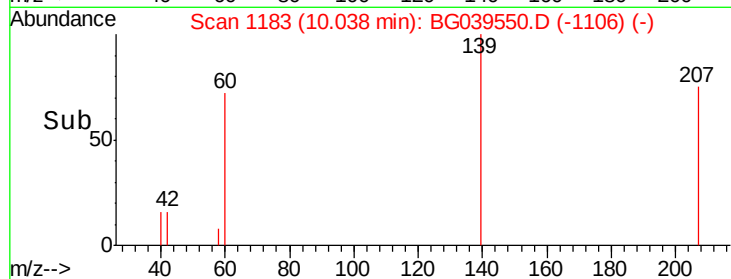
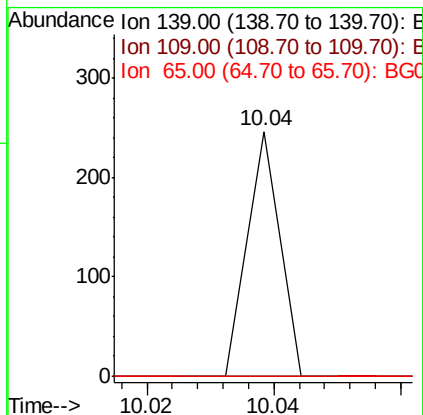
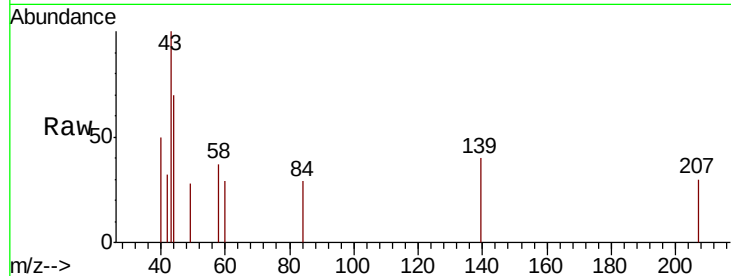




#26
 2-Nitrophenol
 Concen: 4.075 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. -0.08 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

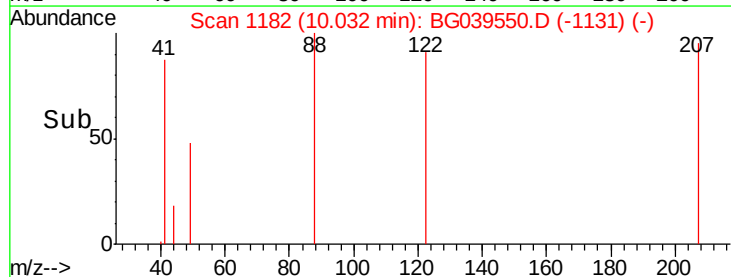
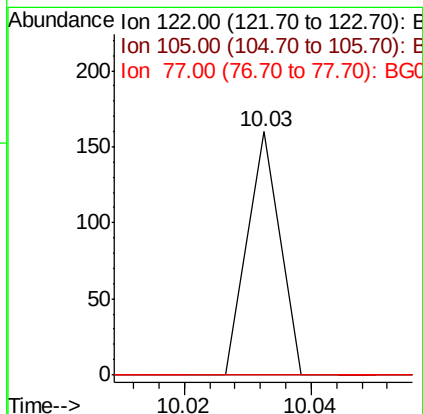
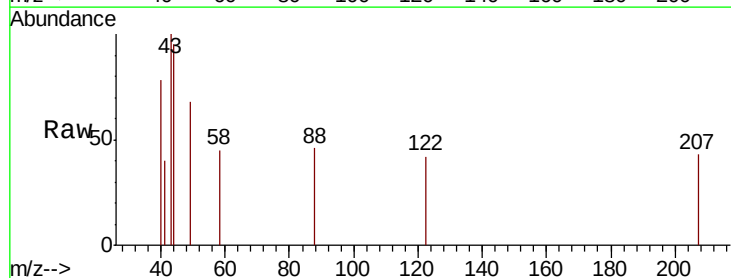
Instrument :
 BNA_G
 ClientSampleId :
 M-13-S

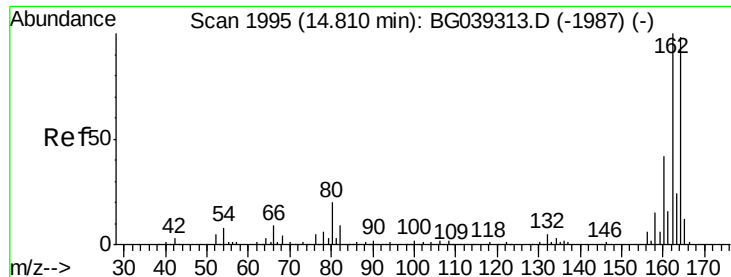
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#32
 Benzoic acid
 Concen: 9.043 ng
 RT: 10.03 min Scan# 1182
 Delta R.T. -0.23 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	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: BG039550.D

Acq: 18 Feb 2019 22:00

Instrument :

BNA_G

ClientSampleId :

M-13-S

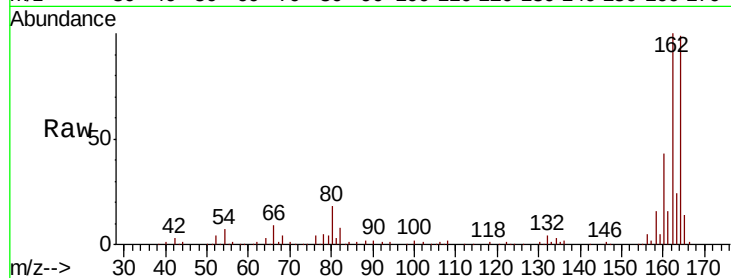
Tgt Ion:164 Resp: 150074

Ion Ratio Lower Upper

164 100

162 100.7 81.6 122.4

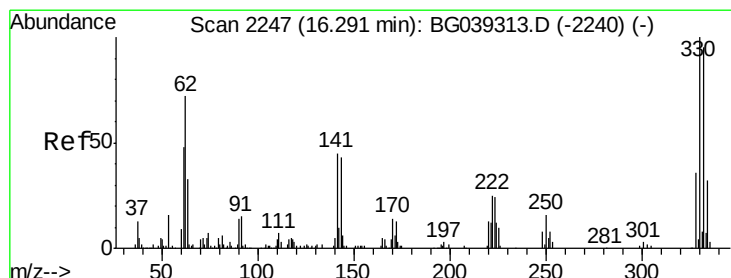
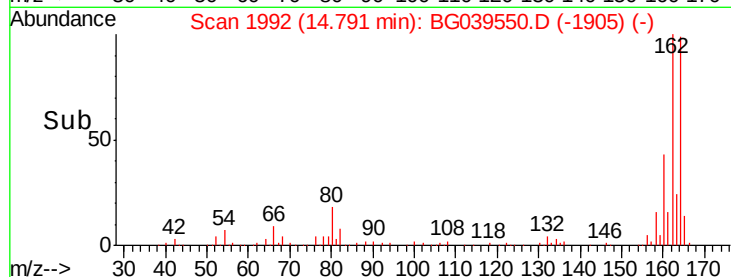
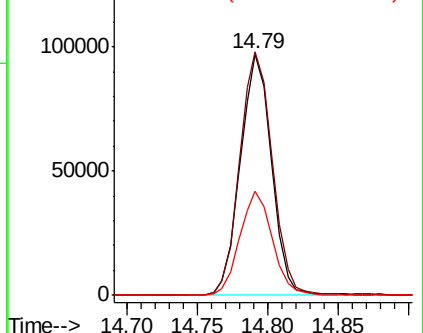
160 43.1 34.2 51.2



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: 143.138 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

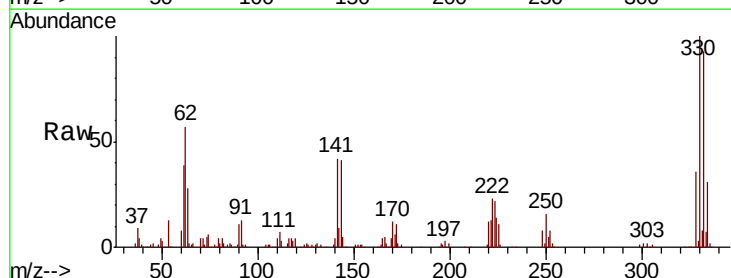
Tgt Ion:330 Resp: 231316

Ion Ratio Lower Upper

330 100

332 94.4 75.7 113.5

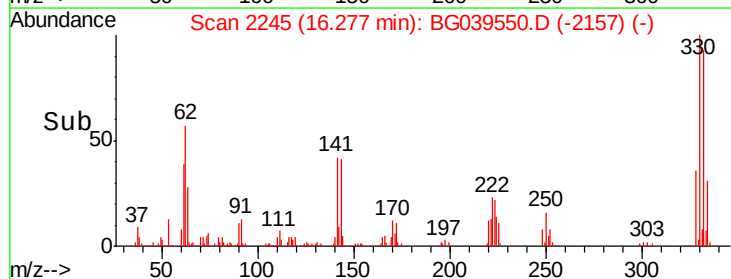
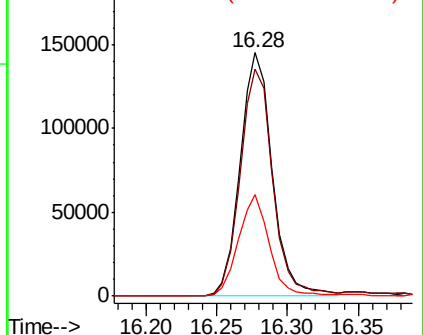
141 40.6 35.6 53.4

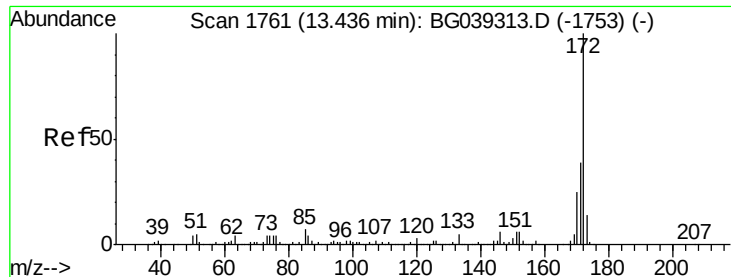


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

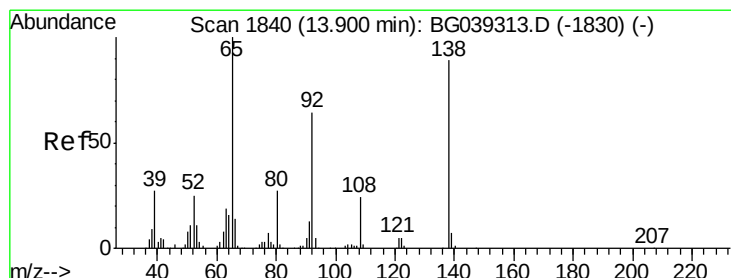
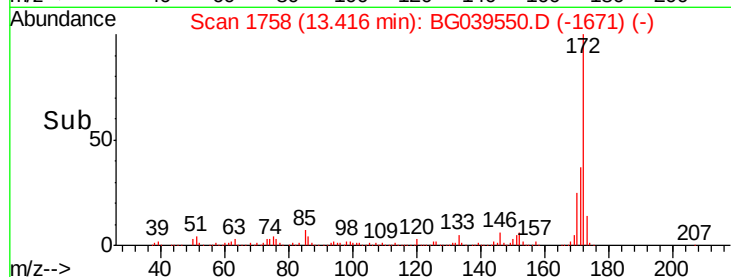
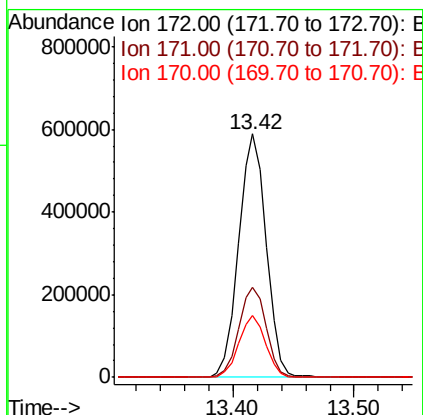
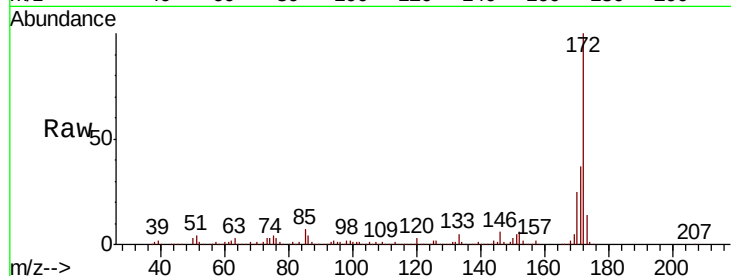




#45
 2-Fluorobiphenyl
 Concen: 89.414 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

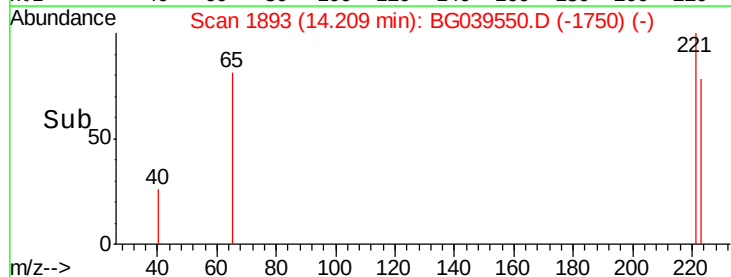
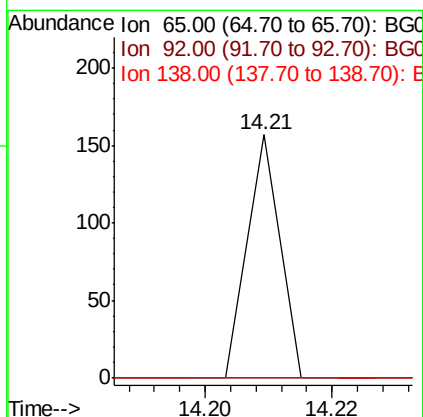
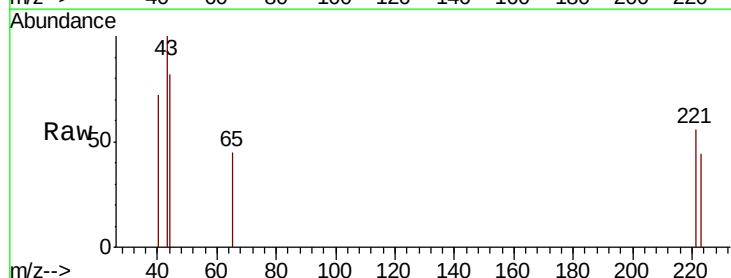
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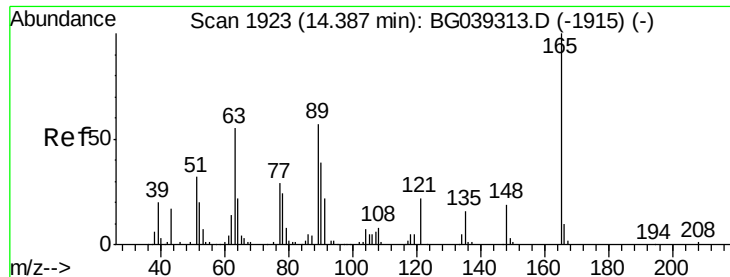
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	25.2	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.313 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. 0.31 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

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

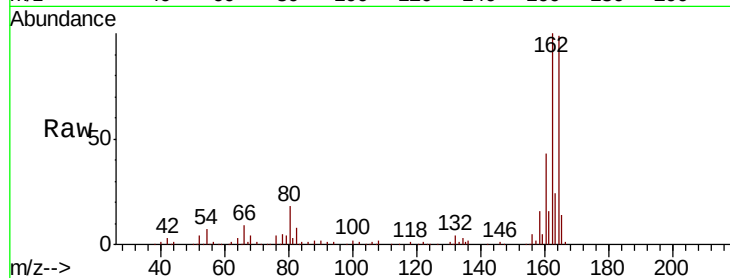




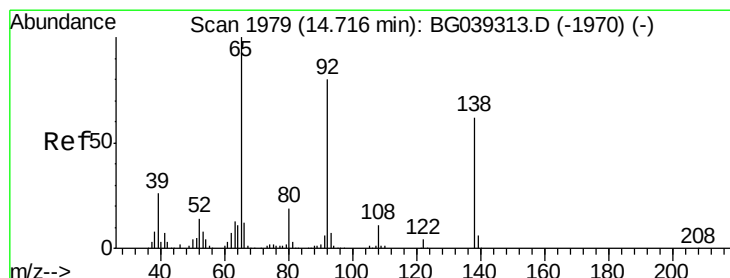
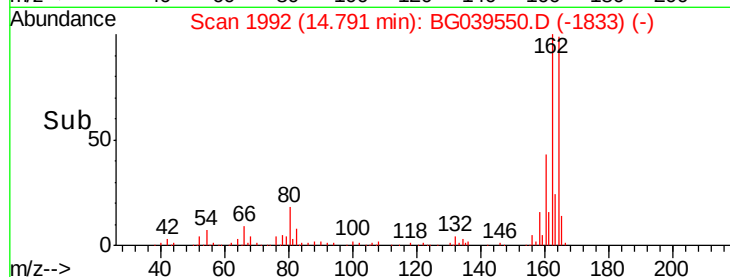
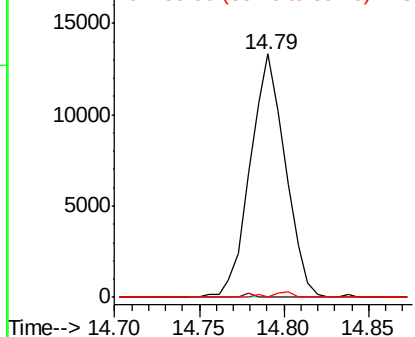
#51
 2,6-Dinitrotoluene
 Concen: 13.887 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

Instrument :
 BNA_G
 ClientSampleId :
 M-13-S

Tgt Ion:165 Resp: 19226
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

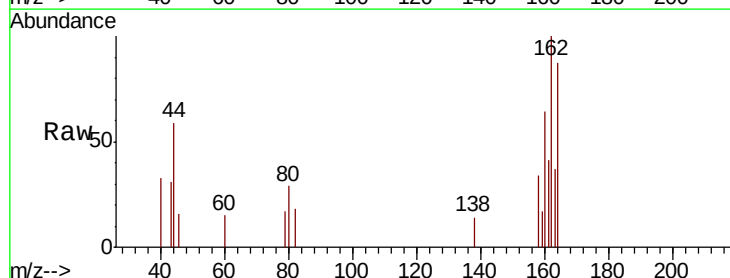


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

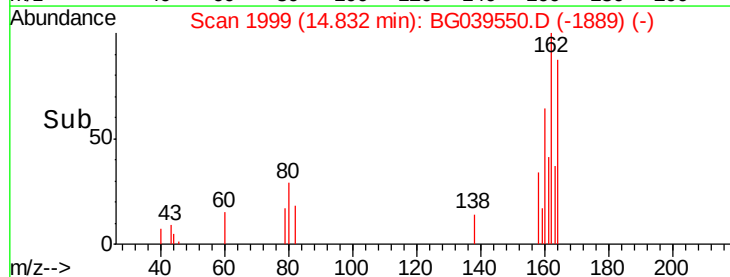
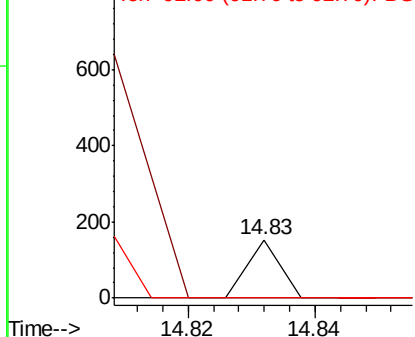


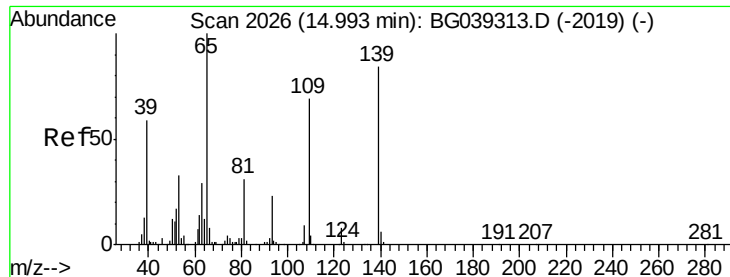
#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.83 min Scan# 1999
 Delta R.T. 0.12 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

Tgt Ion:138 Resp: 54
 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): BG

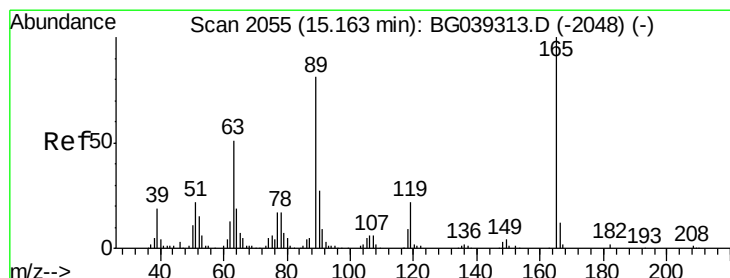
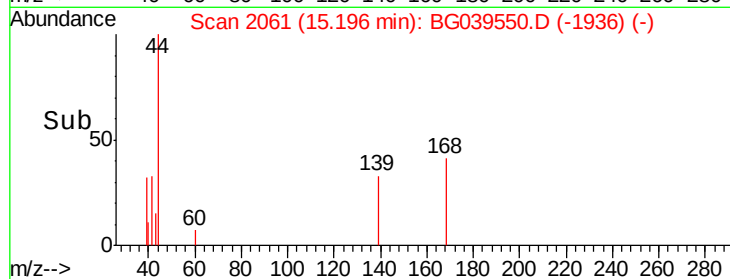
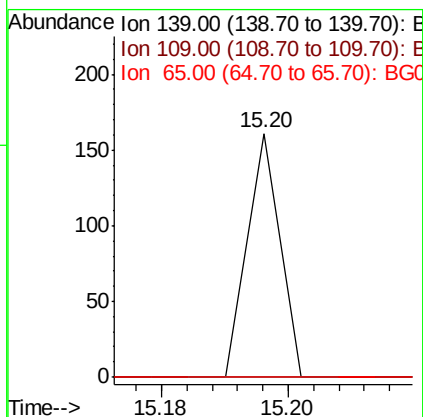
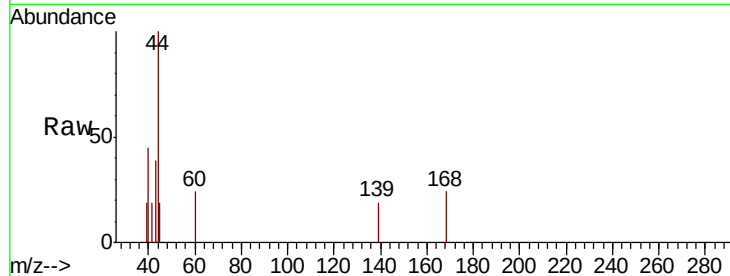




#56
4-Nitrophenol
Concen: 5.818 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

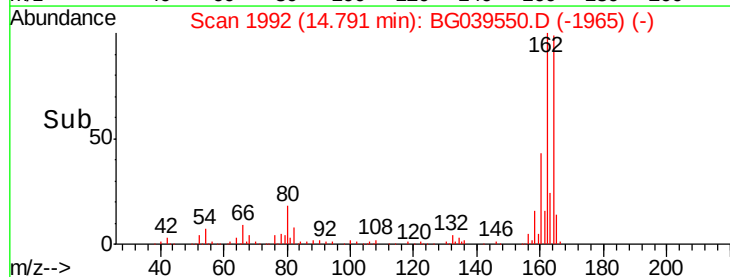
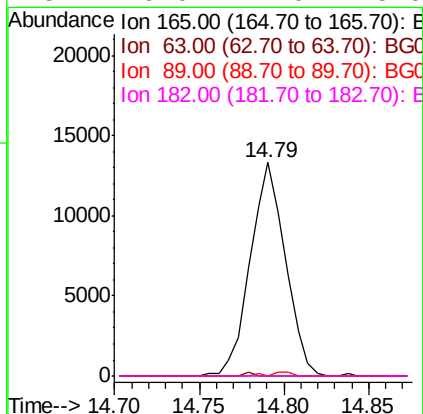
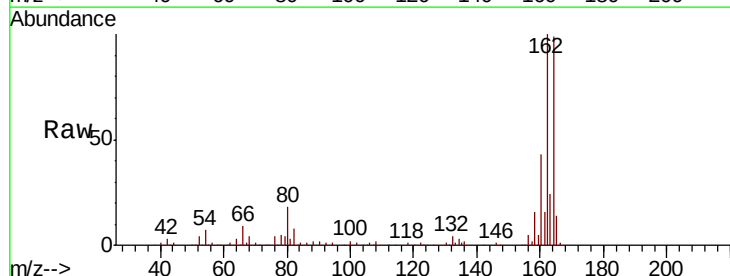
Instrument :
BNA_G
ClientSampleId :
M-13-S

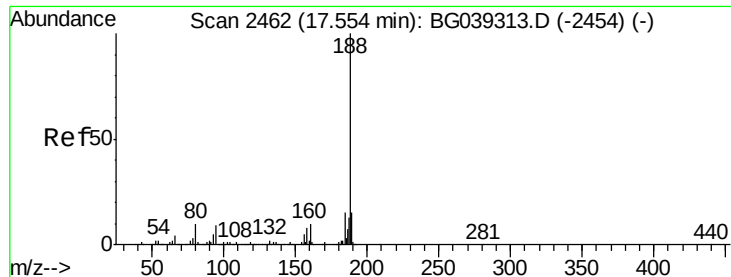
Tgt Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.371 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Tgt Ion:165 Resp: 19226
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 64.6 96.8#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

Instrument :

BNA_G

ClientSampleId :

M-13-S

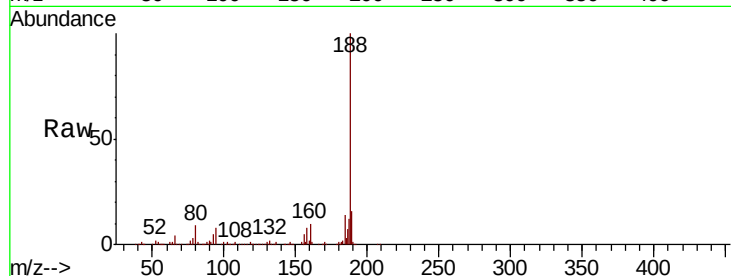
Tgt Ion:188 Resp: 380016

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

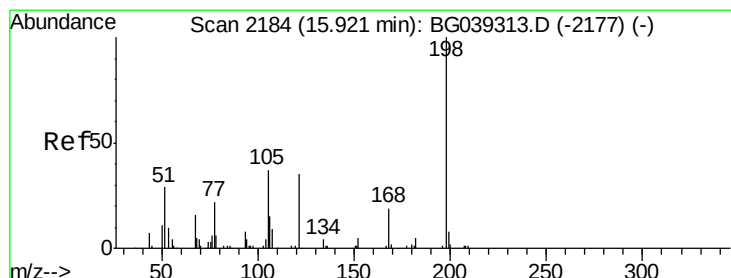
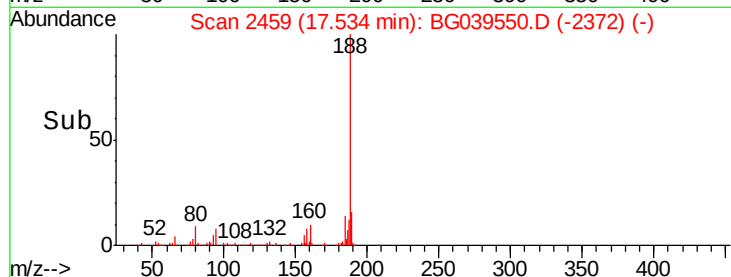
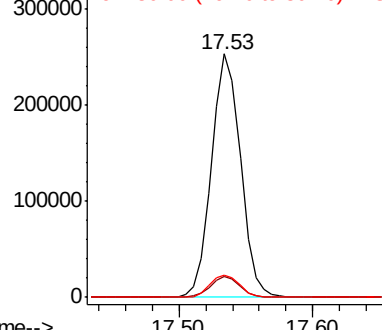
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG039550.D (-2094) (-)

Ion 80.00 (79.70 to 80.70): BG039550.D (-2094) (-)



#65

4,6-Dinitro-2-methylphenol

Concen: 4.806 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

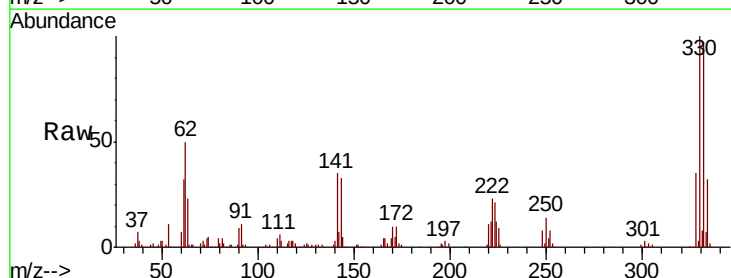
Tgt Ion:198 Resp: 748

Ion Ratio Lower Upper

198 100

51 99.4 27.4 67.4#

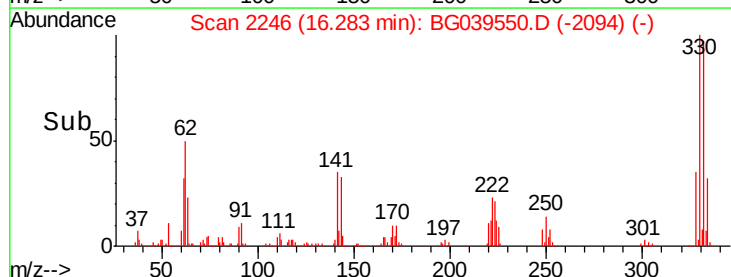
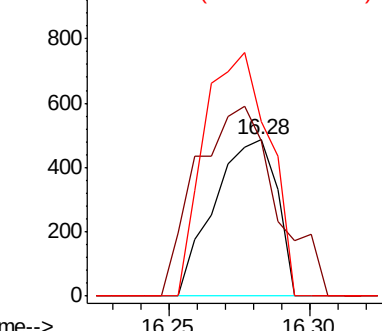
105 111.3 19.7 59.7#

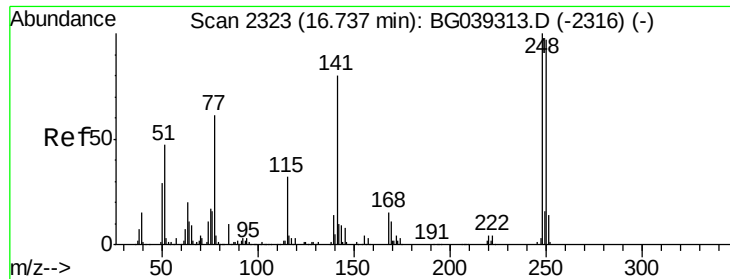


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039550.D (-2094) (-)

Ion 105.00 (104.70 to 105.70): BG039550.D (-2094) (-)

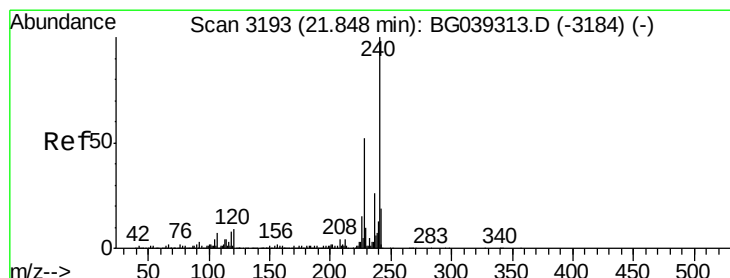
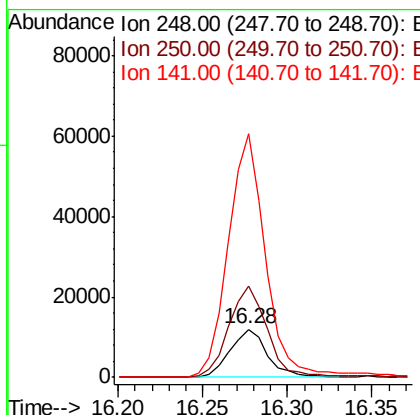
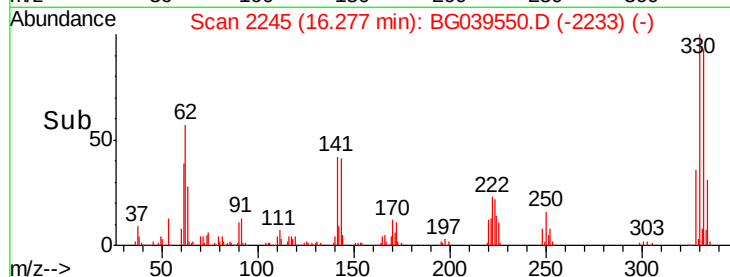
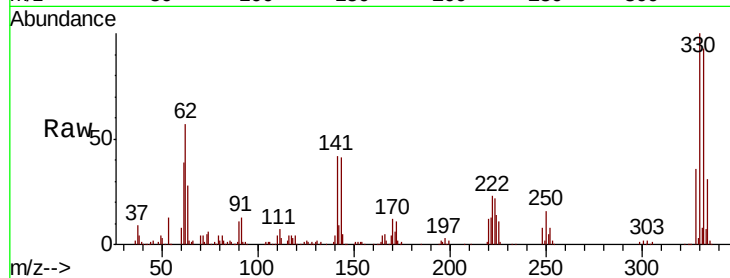




#67
 4-Bromophenyl-phenylether
 Concen: 4.349 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

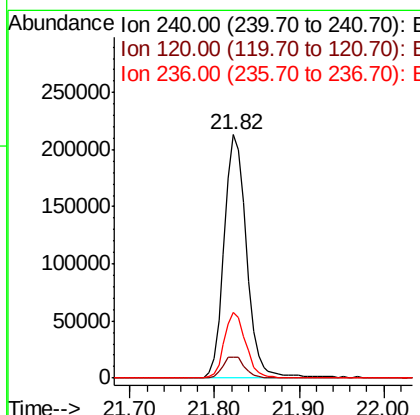
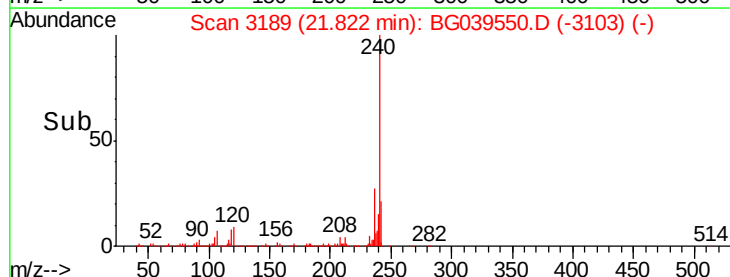
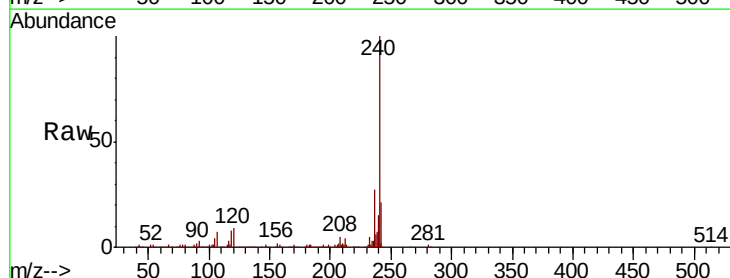
Instrument :
 BNA_G
 ClientSampleId :
 M-13-S

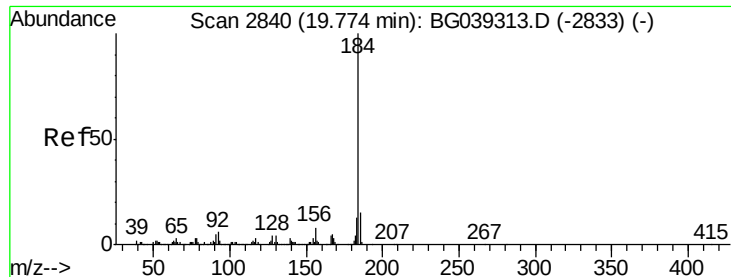
Tgt Ion:248 Resp: 18336
 Ion Ratio Lower Upper
 248 100
 250 189.1 77.6 116.4#
 141 505.2 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039550.D
 Acq: 18 Feb 2019 22:00

Tgt Ion:240 Resp: 391174
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 26.8 21.0 31.4





#77

Benzidine

Concen: 2.201 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

Instrument :

BNA_G

ClientSampleId :

M-13-S

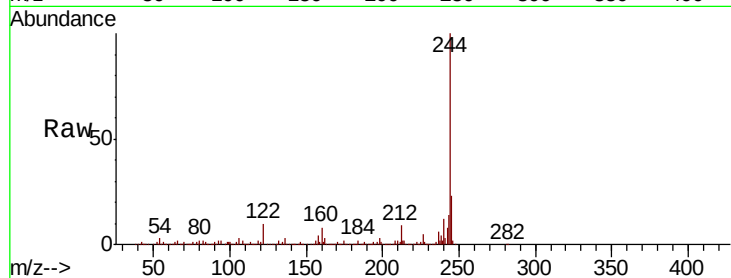
Tgt Ion:184 Resp: 28222

Ion Ratio Lower Upper

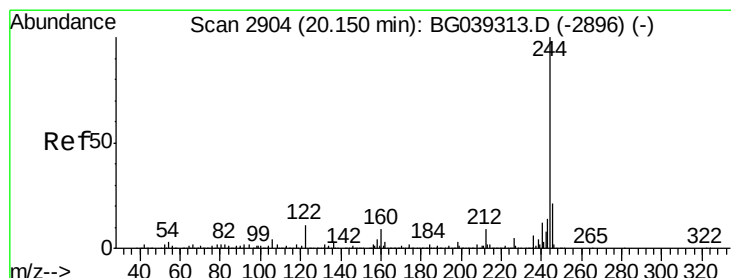
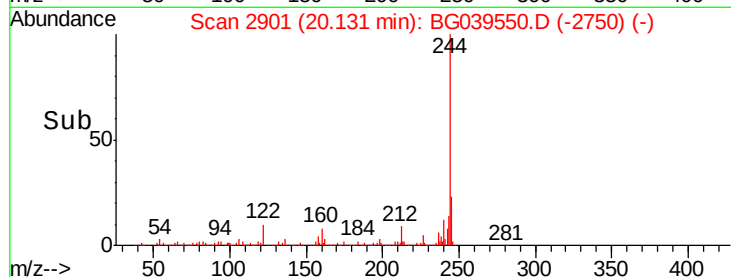
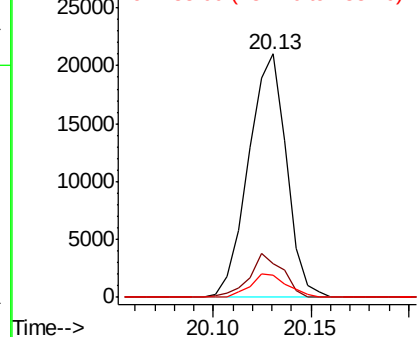
184 100

185 13.9 12.2 18.2

183 9.0 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: 86.393 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039550.D

Acq: 18 Feb 2019 22:00

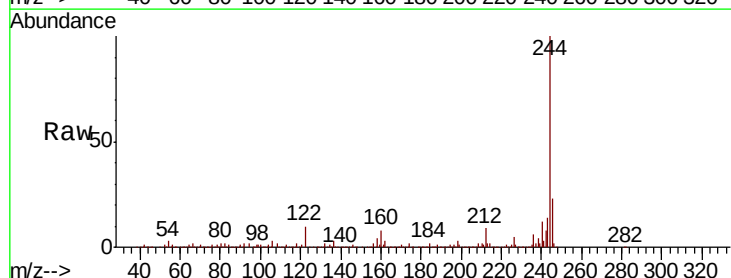
Tgt Ion:244 Resp: 1596584

Ion Ratio Lower Upper

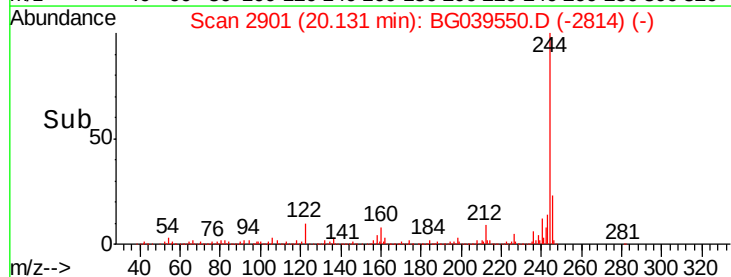
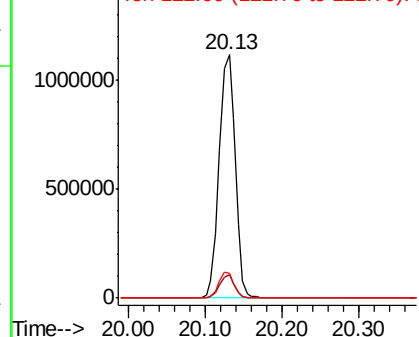
244 100

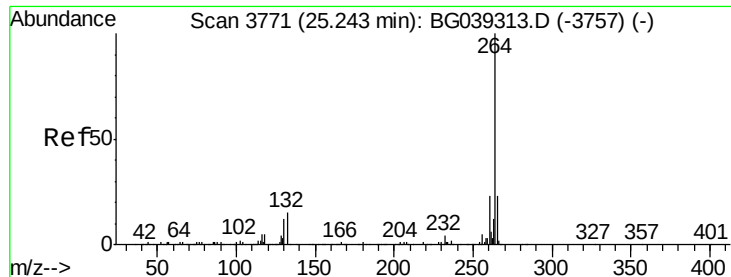
212 9.5 7.3 10.9

122 10.1 8.4 12.6



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





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039550.D
Acq: 18 Feb 2019 22:00

Instrument :
BNA_G
ClientSampleId :
M-13-S

Tgt Ion:	264	Resp:	334437
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	21.1	18.5	27.7

