

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039609.D
 Acq On : 26 Feb 2019 20:39
 Operator : JU/SJ
 Sample : K1595-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Quant Time: Feb 27 00:00:22 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

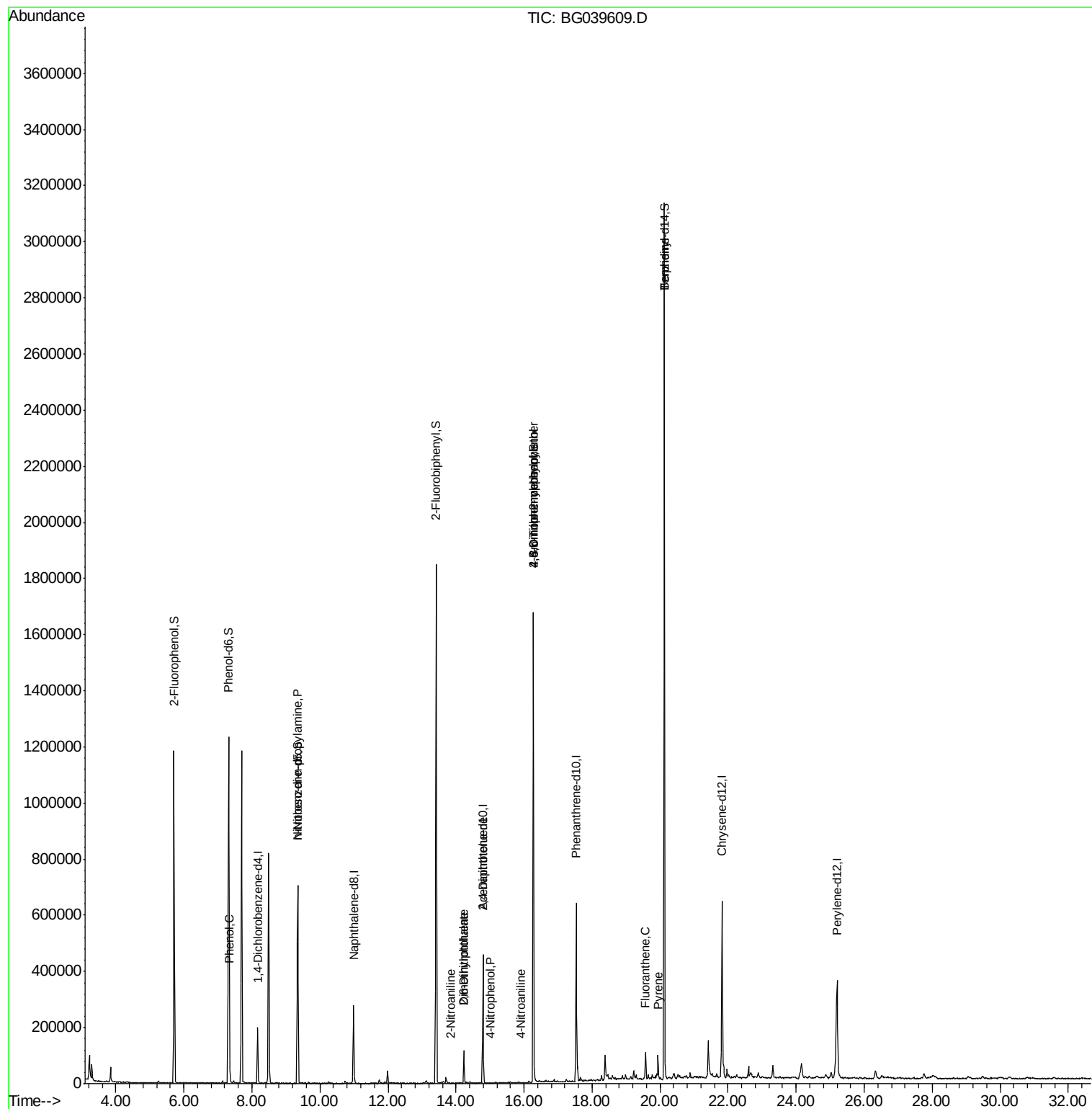
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56448	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	238836	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	161671	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	395240	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	392330	20.00	ng	-0.02
87) Perylene-d12	25.20	264	404465	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	497104	150.72	ng	0.00
7) Phenol-d6	7.31	99	723493	149.03	ng	0.00
23) Nitrobenzene-d5	9.35	82	418291	109.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	297160	170.69	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	998771	88.62	ng	-0.02
79) Terphenyl-d14	20.13	244	1402503	75.67	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1750	Below Cal		Qvalue
10) Phenol	7.34	94	45999	9.089 ng	#	16
19) n-Nitroso-di-n-propylamine	9.35	70	54396	15.787 ng	#	95
48) 2-Nitroaniline	13.85	65	61	8.314 ng	#	70
50) Dimethylphthalate	14.23	163	80448	6.161 ng	#	10
51) 2,6-Dinitrotoluene	14.23	165	892	6.875 ng	#	100
56) 4-Nitrophenol	15.02	139	135	5.847 ng	#	46
57) 2,4-Dinitrotoluene	14.79	165	20521	13.320 ng	#	45
62) 4-Nitroaniline	15.92	138	63	4.224 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	1210	5.156 ng	#	10
67) 4-Bromophenyl-phenylether	16.28	248	23581	5.378 ng	#	1
75) Fluoranthene	19.57	202	60053	2.529 ng		98
77) Benzidine	20.13	184	25914	2.015 ng		97
78) Pyrene	19.94	202	51477	2.108 ng		94

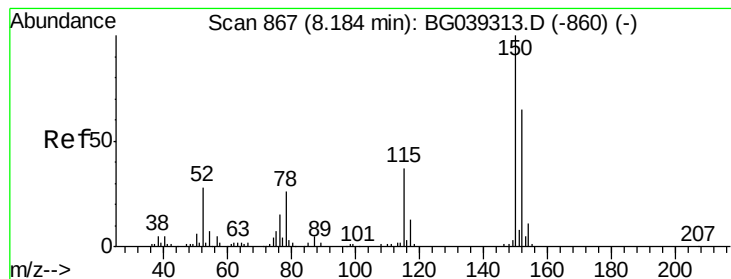
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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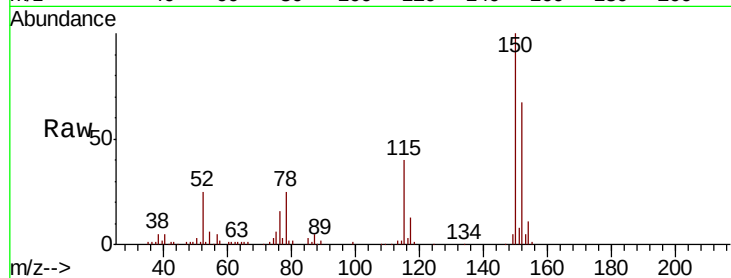


#1

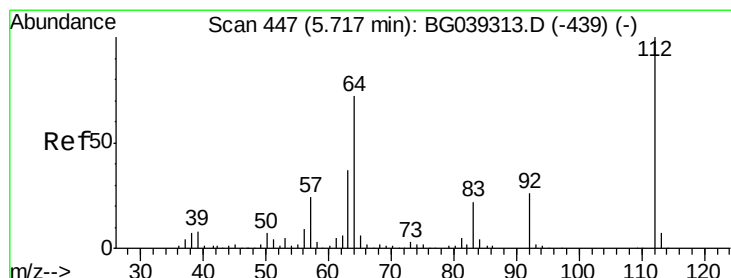
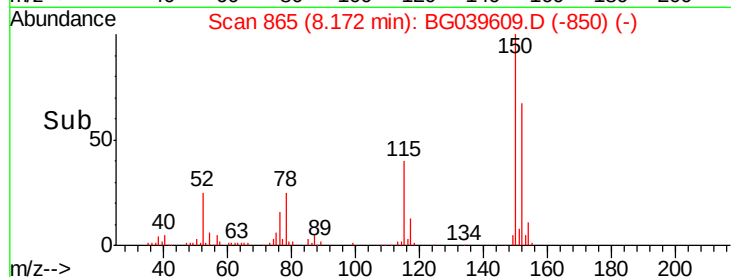
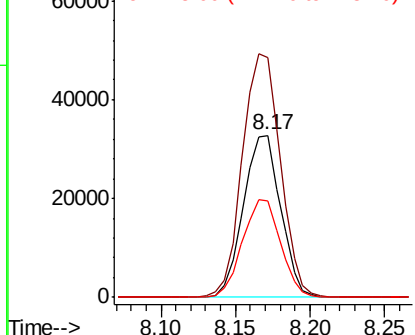
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:152 Resp: 56448
Ion Ratio Lower Upper
152 100
150 148.4 123.7 185.5
115 59.8 45.9 68.9



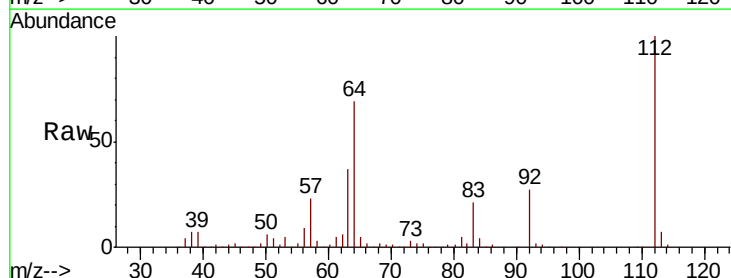
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



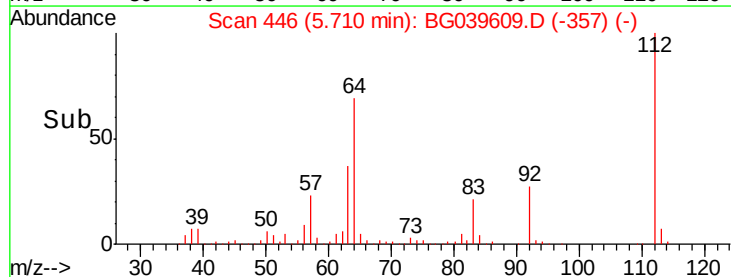
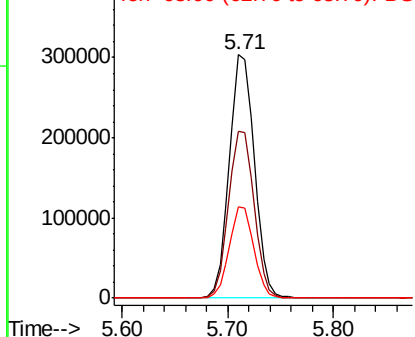
#5

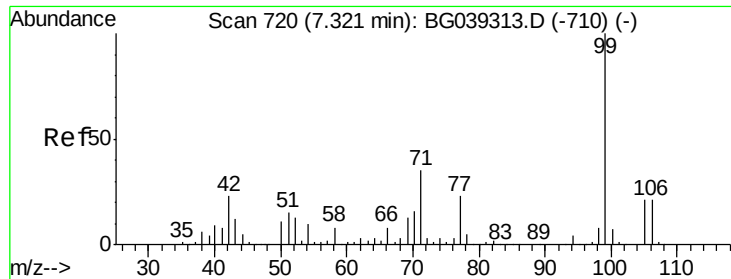
2-Fluorophenol
Concen: 150.722 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Tgt Ion:112 Resp: 497104
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.8
63 37.4 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: 149.027 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

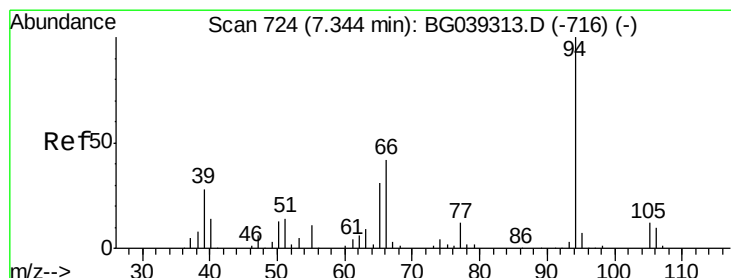
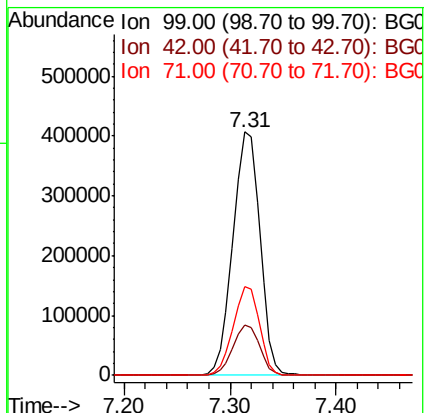
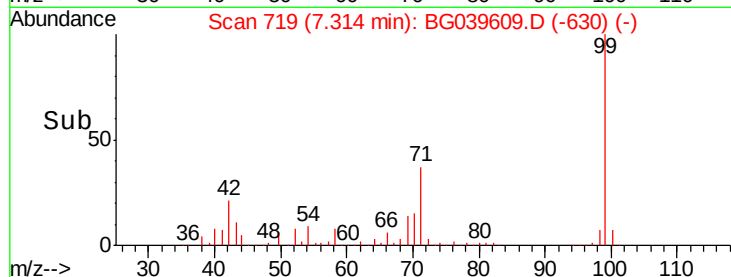
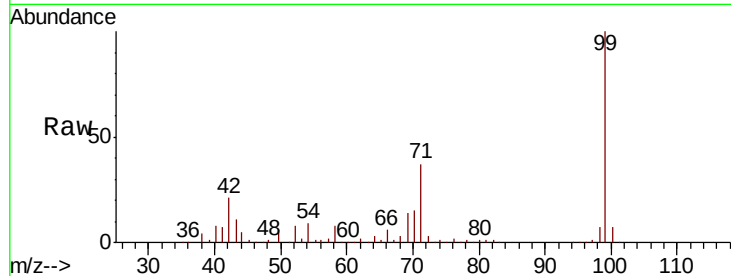
Tgt Ion: 99 Resp: 723493

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

71 36.6 28.0 42.0



#10

Phenol

Concen: 9.089 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

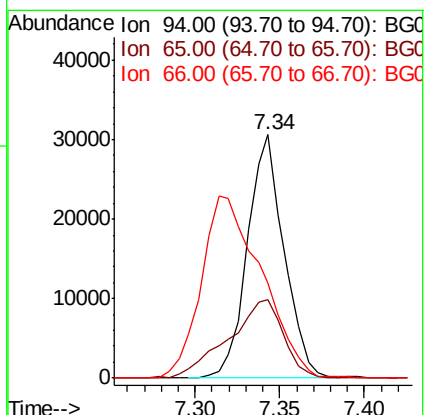
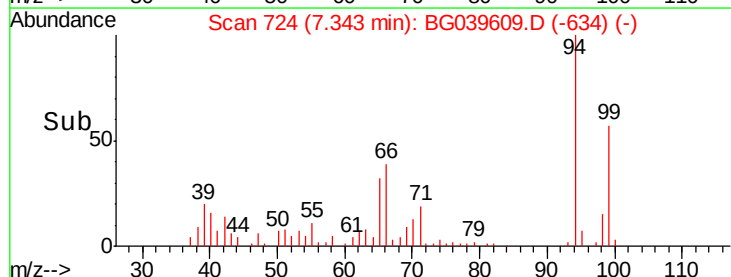
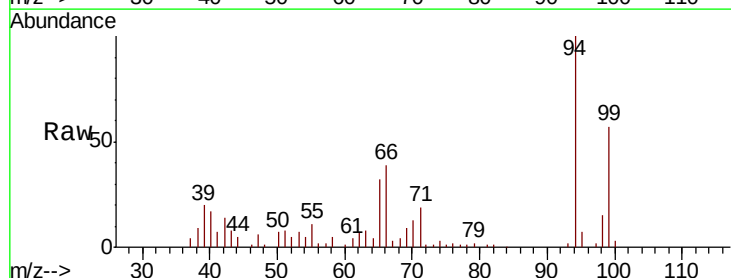
Tgt Ion: 94 Resp: 45999

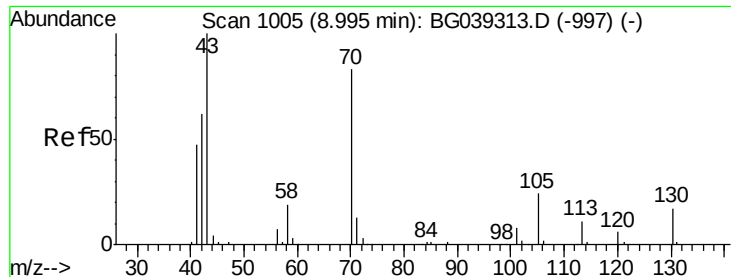
Ion Ratio Lower Upper

94 100

65 32.4 11.7 51.7

66 39.2 23.7 63.7

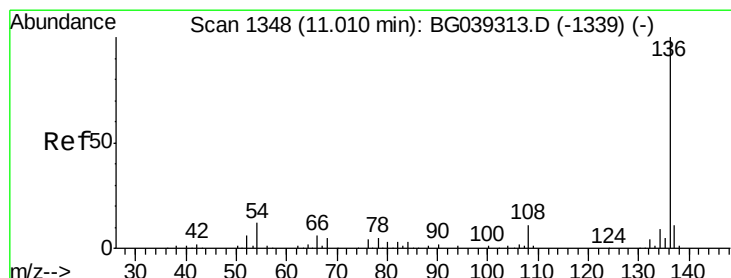
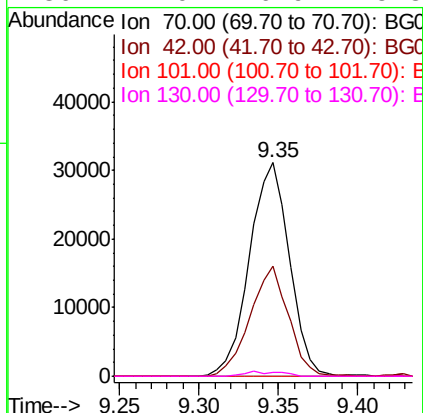
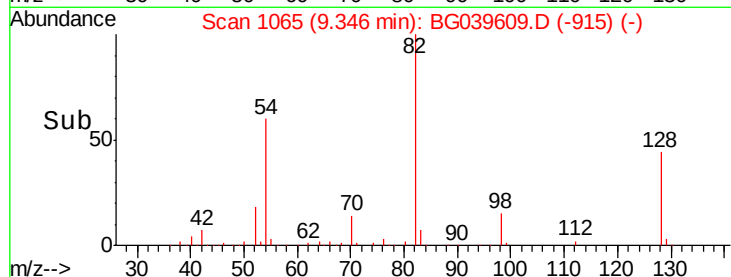
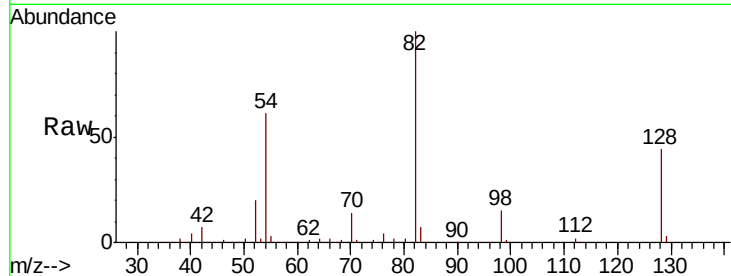




#19
n-Nitroso-di-n-propylamine
Concen: 15.787 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

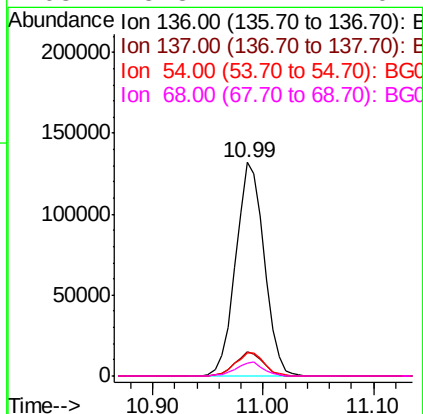
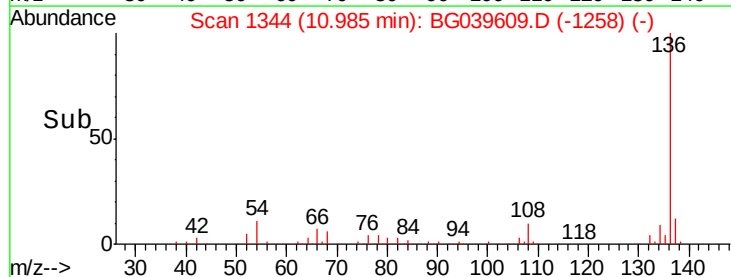
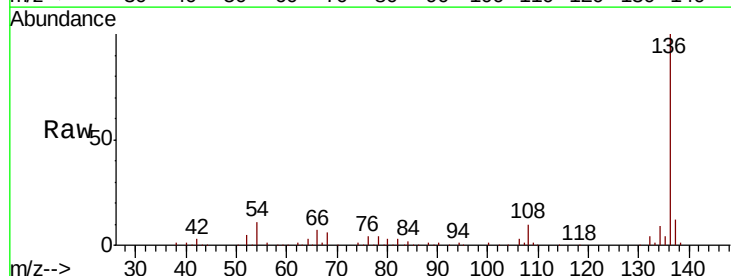
Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

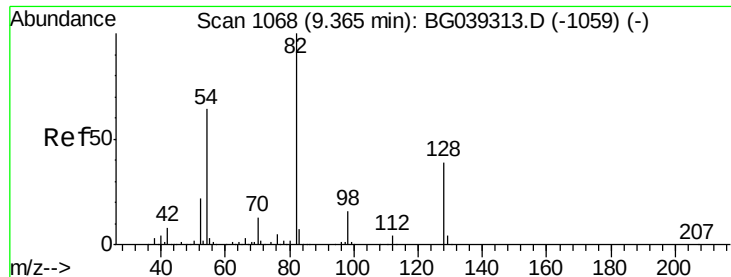
Tgt Ion: 70 Resp: 54396
Ion Ratio Lower Upper
70 100
42 51.8 60.4 90.6#
101 0.0 7.5 11.3#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Tgt Ion: 136 Resp: 238836
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 10.9 9.4 14.2
68 5.8 4.2 6.4

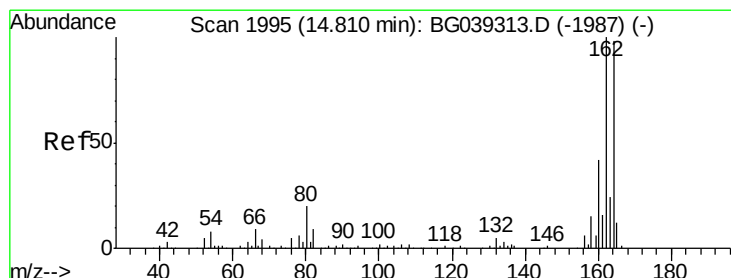
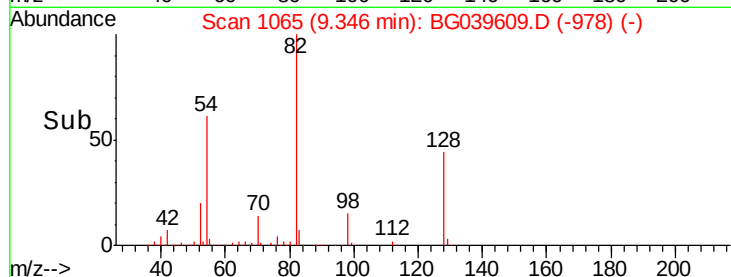
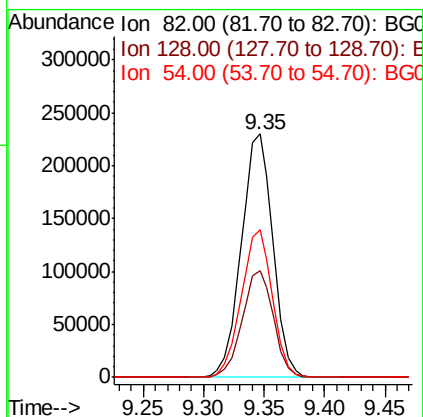
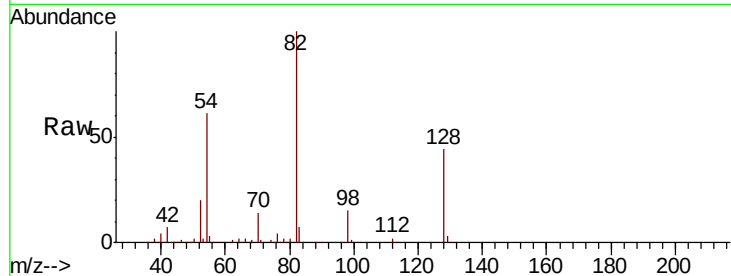




#23
Nitrobenzene-d5
Concen: 109.411 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

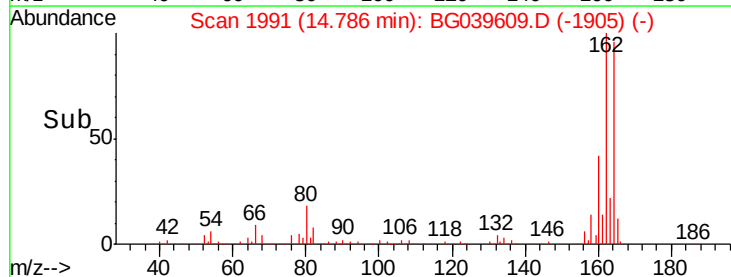
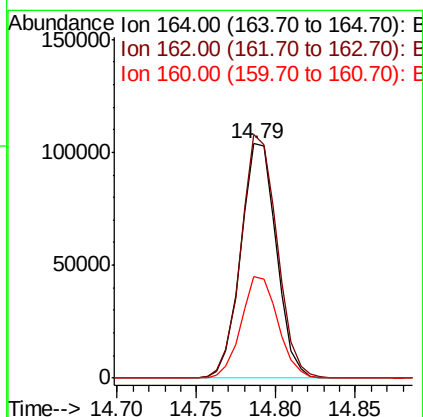
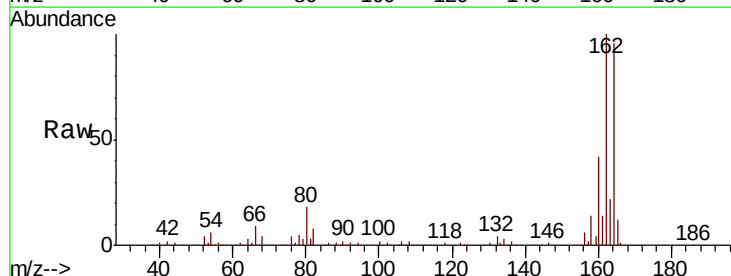
Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

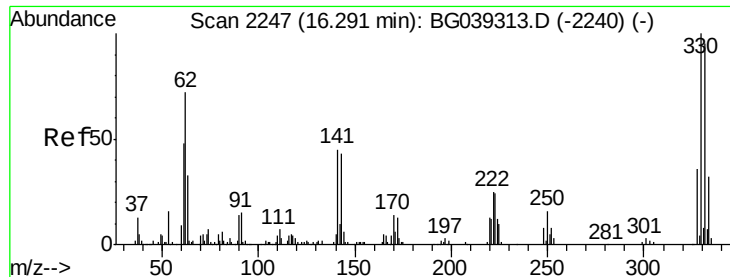
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	31.3	46.9
54	60.7	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.6	122.4
160	43.2	34.2	51.2

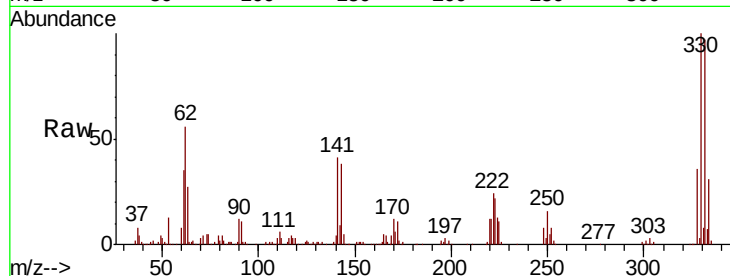




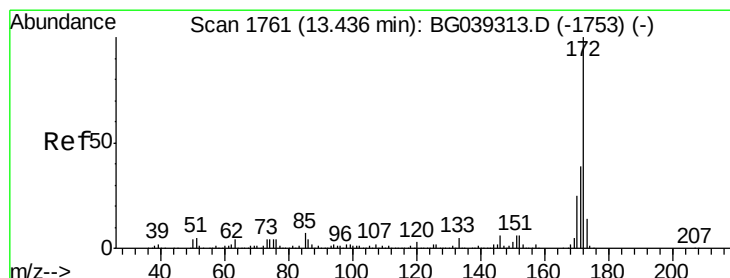
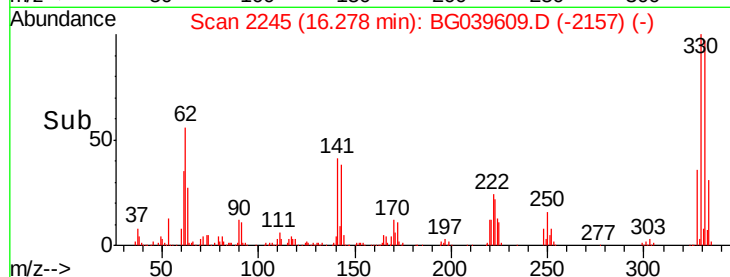
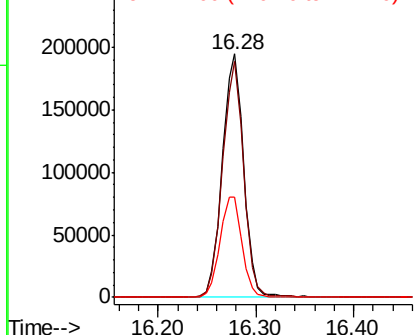
#42
 2,4,6-Tribromophenol
 Concen: 170.691 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Tgt Ion:330 Resp: 297160
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 42.2 35.6 53.4

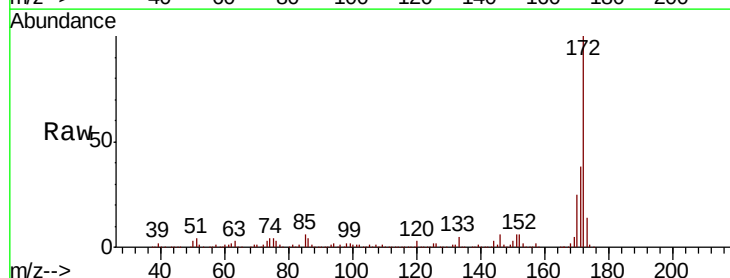


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

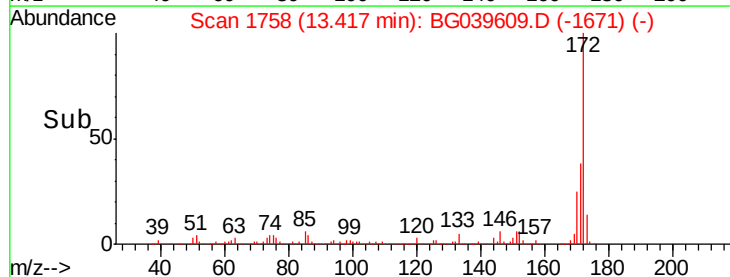
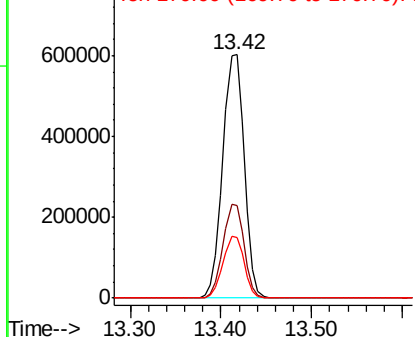


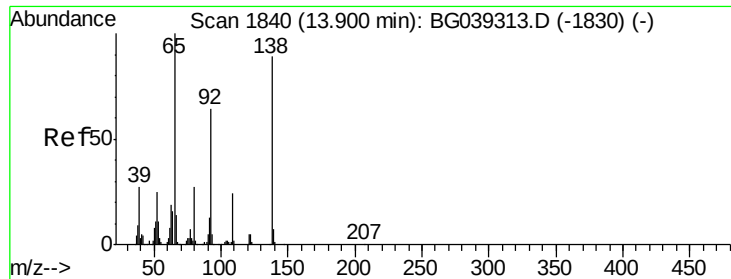
#45
 2-Fluorobiphenyl
 Concen: 88.624 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Tgt Ion:172 Resp: 998771
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 24.9 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

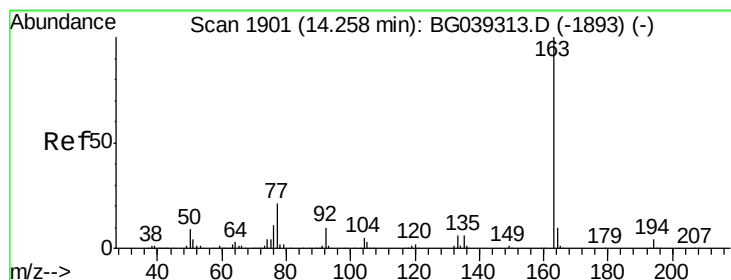
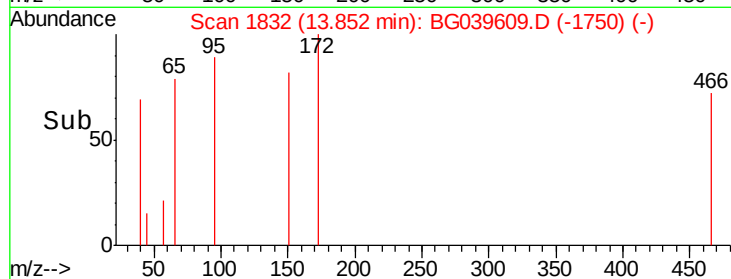
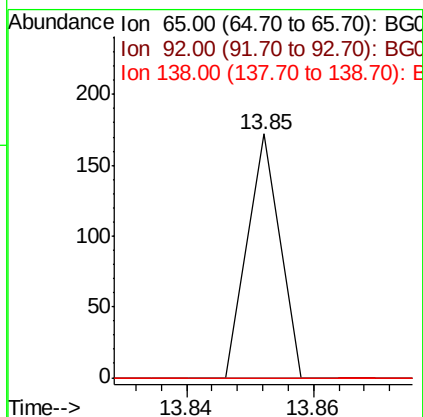
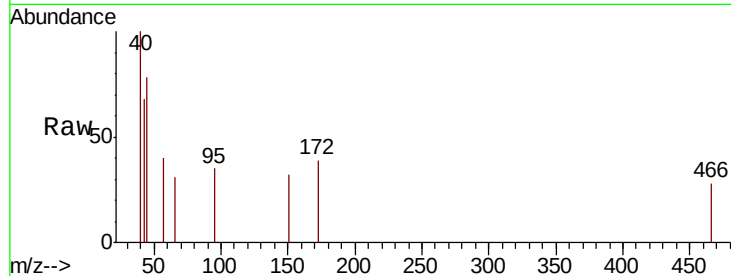




#48
 2-Nitroaniline
 Concen: 8.314 ng
 RT: 13.85 min Scan# 1832
 Delta R.T. -0.05 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

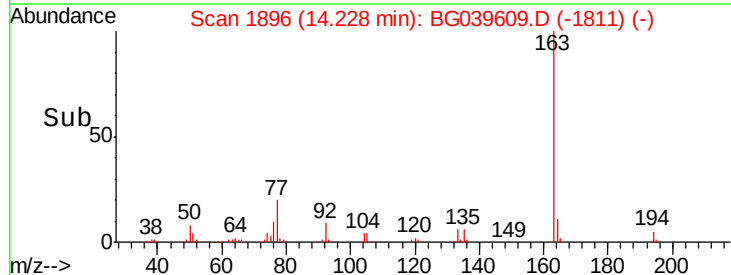
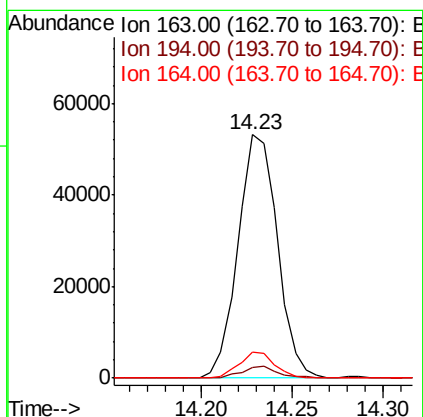
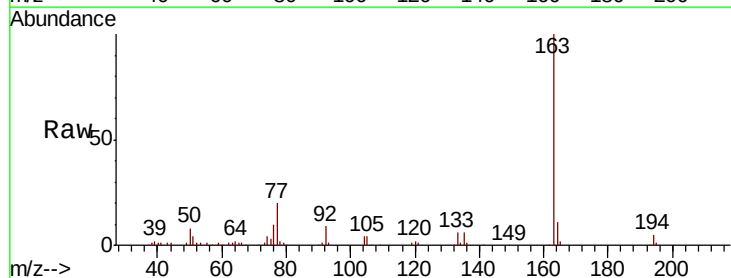
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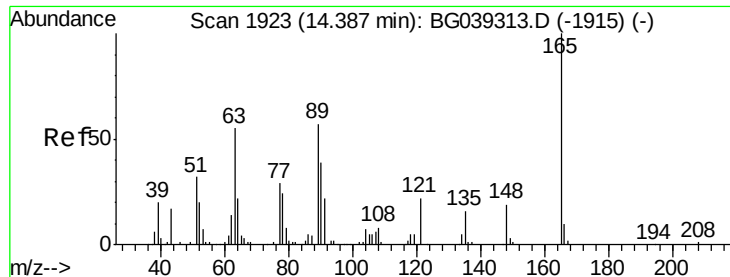
Tgt Ion: 65 Resp: 61
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#



#50
 Dimethylphthalate
 Concen: 6.161 ng
 RT: 14.23 min Scan# 1896
 Delta R.T. -0.03 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Tgt Ion: 163 Resp: 80448
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.6 5.4
 164 10.6 8.4 12.6

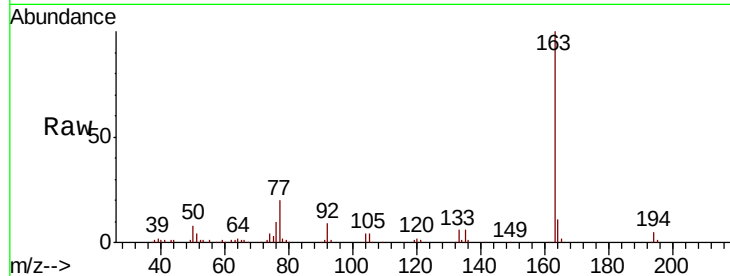




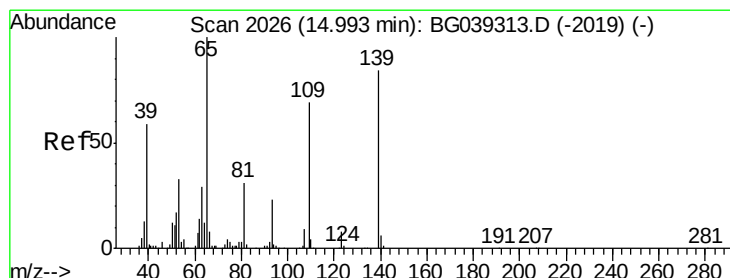
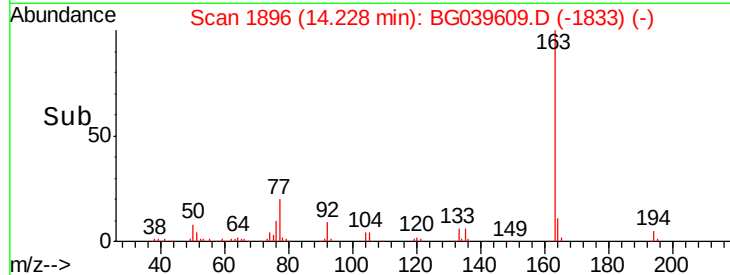
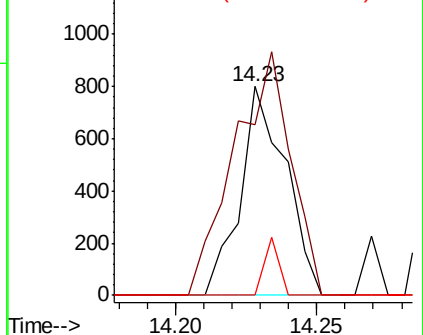
#51
 2,6-Dinitrotoluene
 Concen: 6.875 ng
 RT: 14.23 min Scan# 1896
 Delta R.T. -0.16 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Tgt Ion:165 Resp: 892
 Ion Ratio Lower Upper
 165 100
 63 81.9 47.0 70.6#
 89 0.0 45.8 68.8#

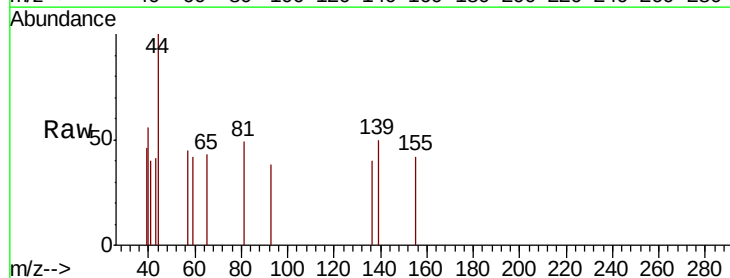


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

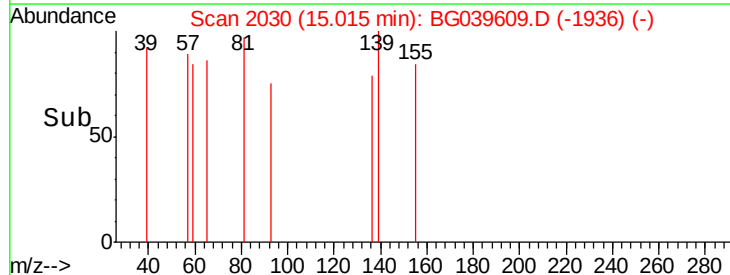
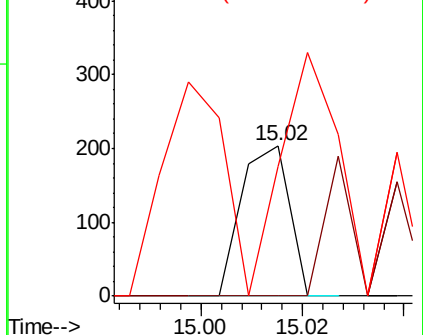


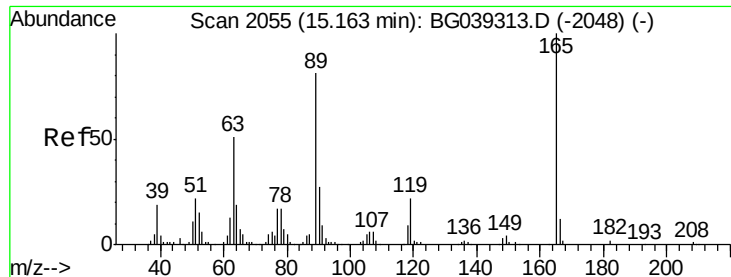
#56
 4-Nitrophenol
 Concen: 5.847 ng
 RT: 15.02 min Scan# 2030
 Delta R.T. 0.02 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Tgt Ion:139 Resp: 135
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 86.3 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): BGO





#57

2,4-Dinitrotoluene

Concen: 13.320 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.38 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

Tgt Ion:165 Resp: 20521

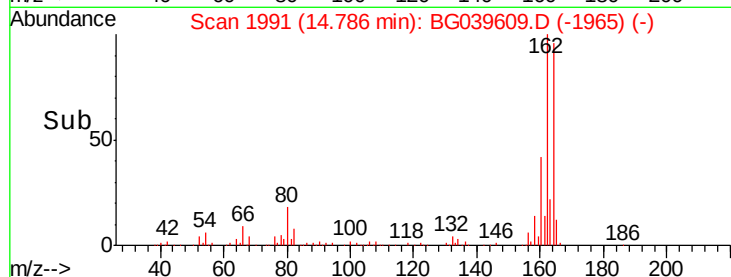
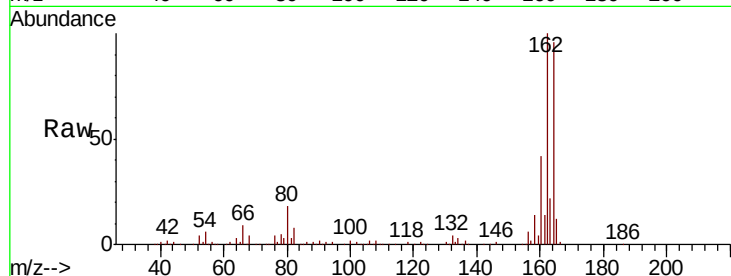
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.9 64.6 96.8#

182 0.0 2.0 3.0#

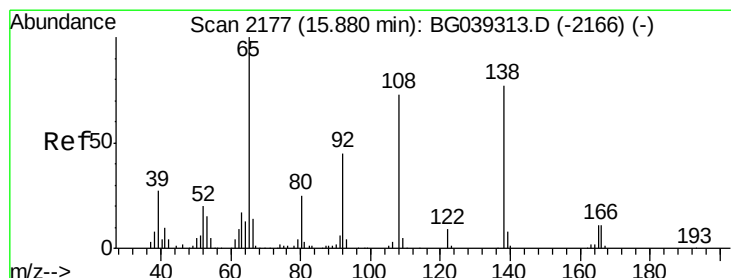
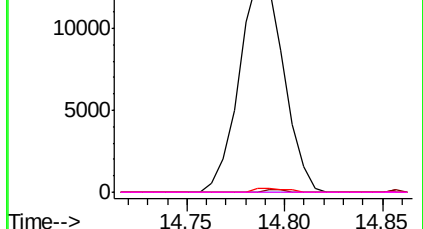


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#62

4-Nitroaniline

Concen: 4.224 ng

RT: 15.92 min Scan# 2184

Delta R.T. 0.04 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

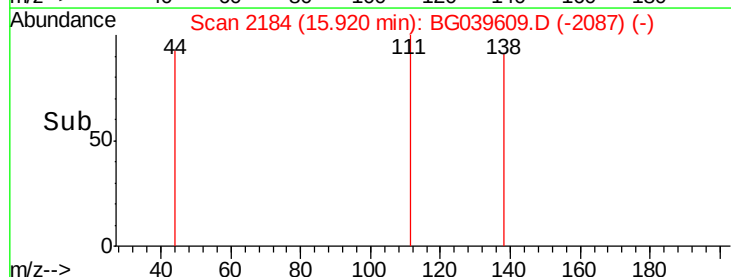
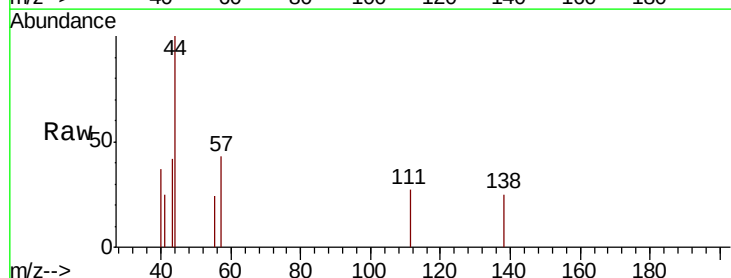
Tgt Ion:138 Resp: 63

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

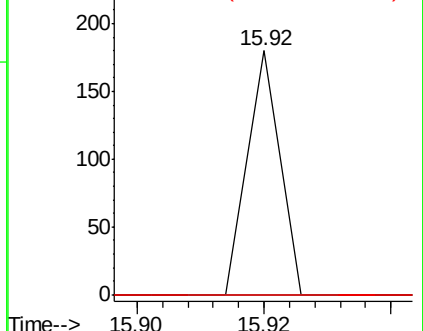
108 0.0 74.6 114.6#

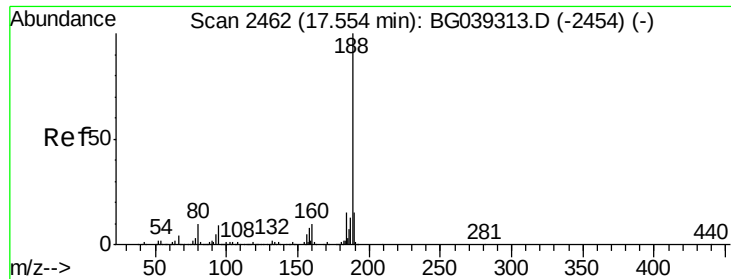


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

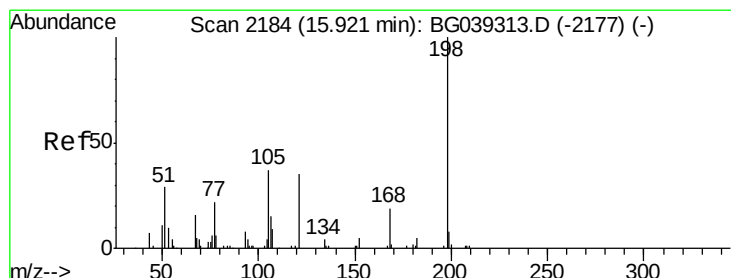
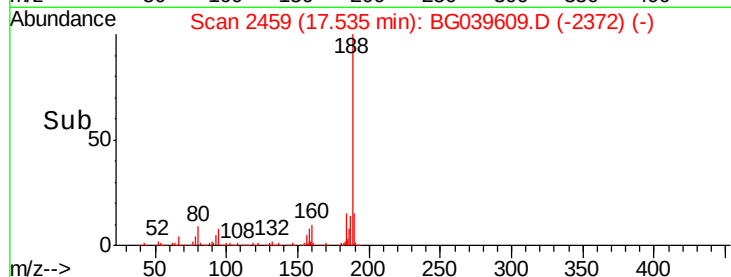
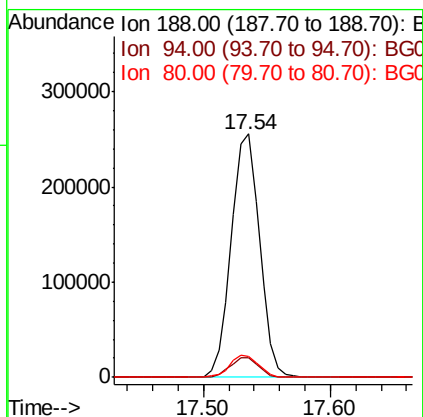
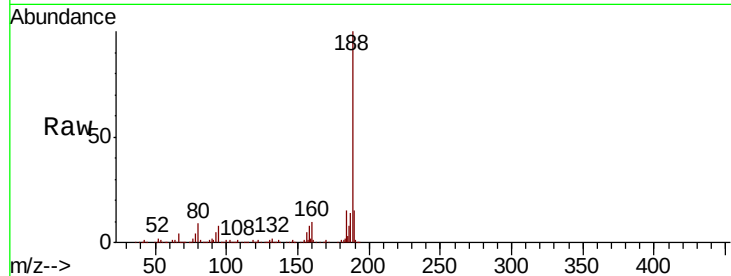




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

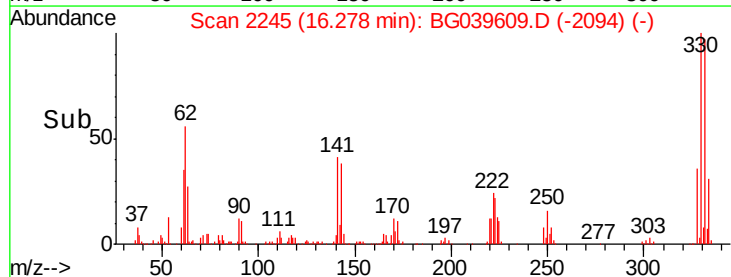
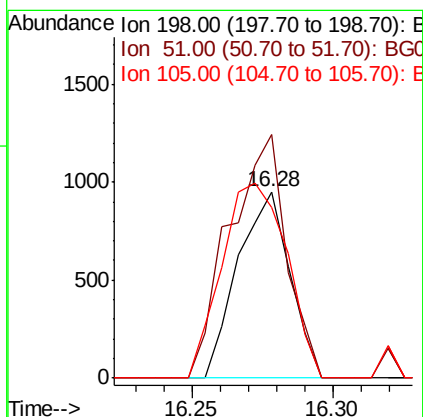
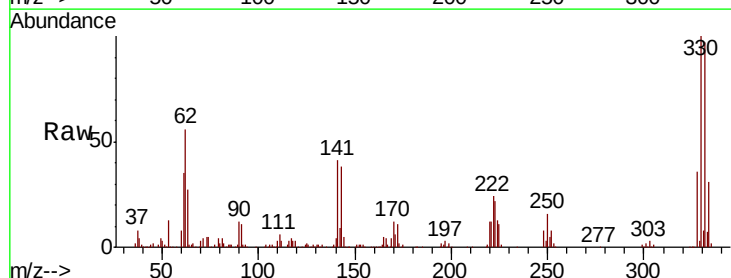
Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

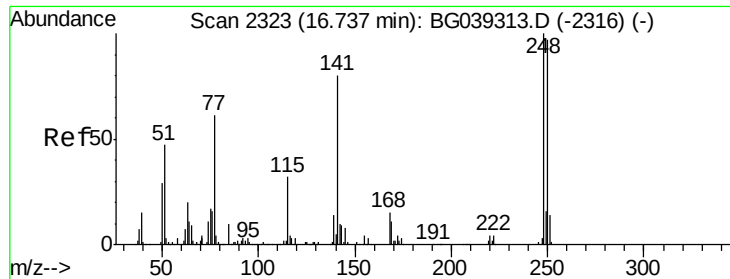
Tgt Ion:188 Resp: 395240
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.8 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 5.156 ng
RT: 16.28 min Scan# 2245
Delta R.T. 0.36 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Tgt Ion:198 Resp: 1210
Ion Ratio Lower Upper
198 100
51 130.9 27.4 67.4#
105 91.5 19.7 59.7#

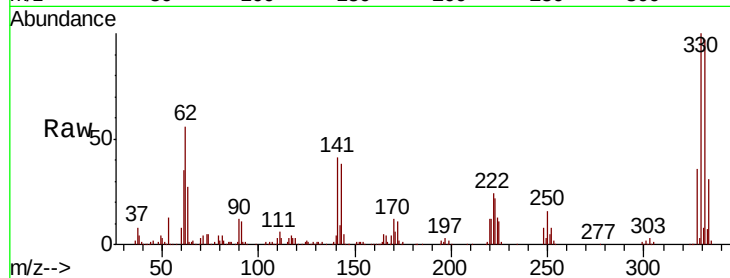




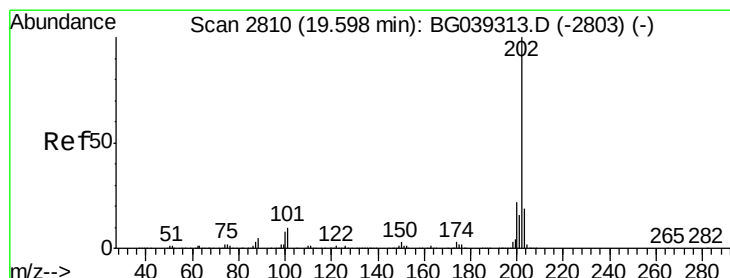
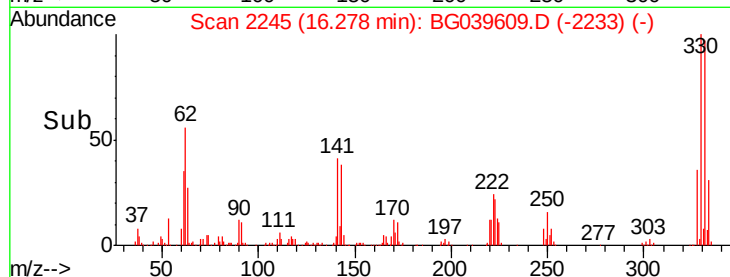
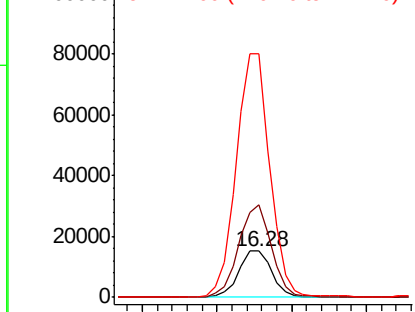
#67
 4-Bromophenyl-phenylether
 Concen: 5.378 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Tgt Ion:248 Resp: 23581
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.6 116.4#
 141 524.0 63.9 95.9#

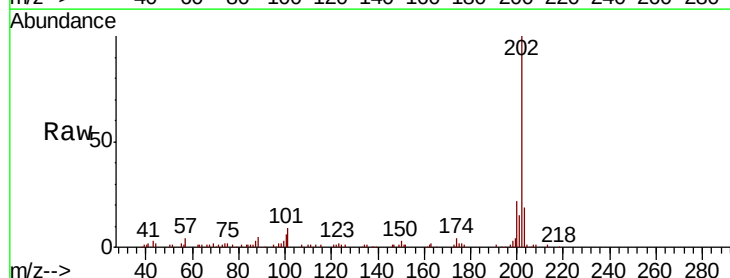


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

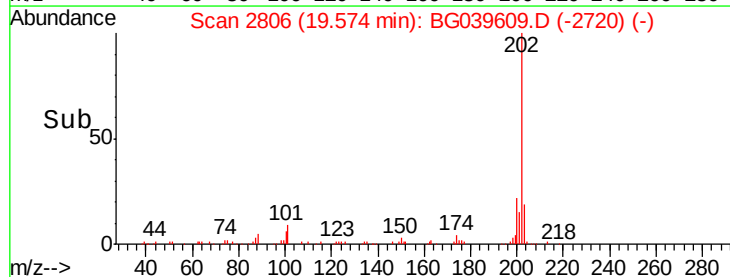
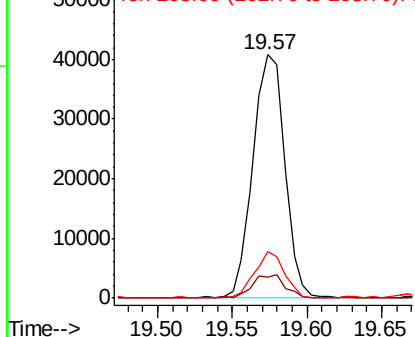


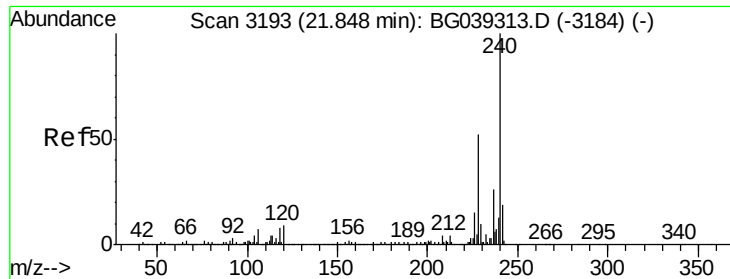
#75
 Fluoranthene
 Concen: 2.529 ng
 RT: 19.57 min Scan# 2806
 Delta R.T. -0.02 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Tgt Ion:202 Resp: 60053
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.0
 203 19.2 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

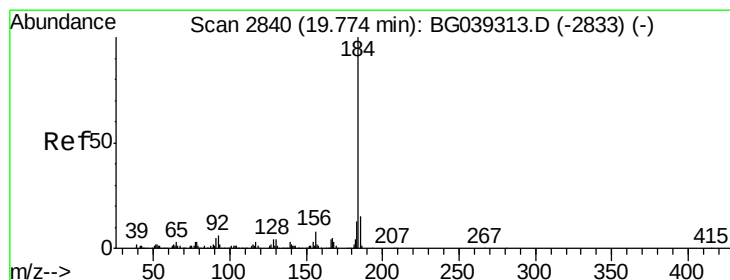
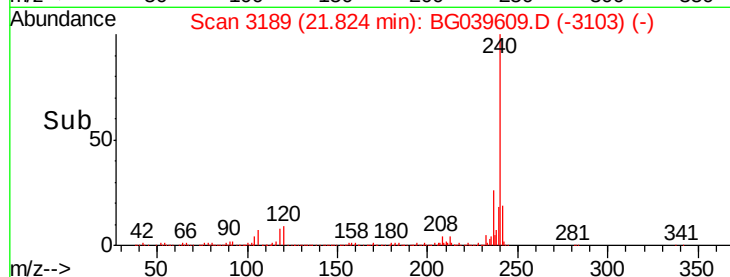
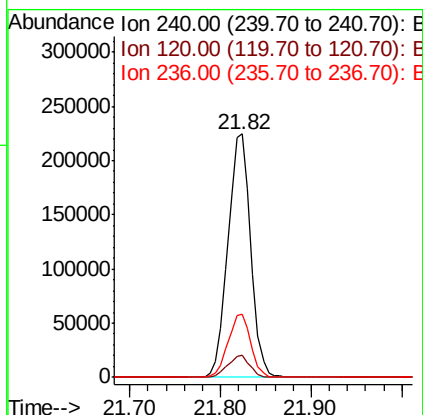
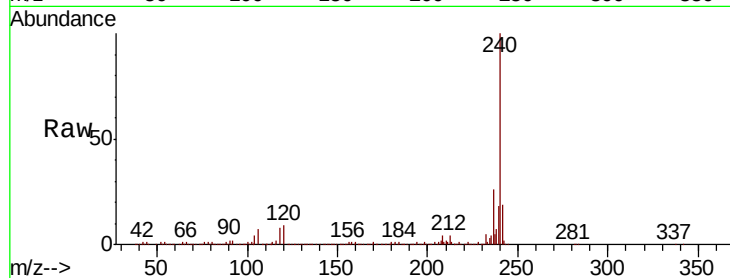




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

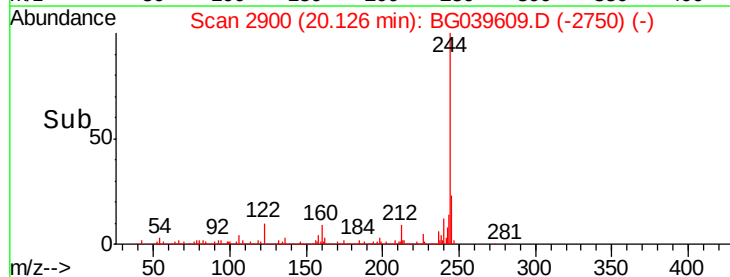
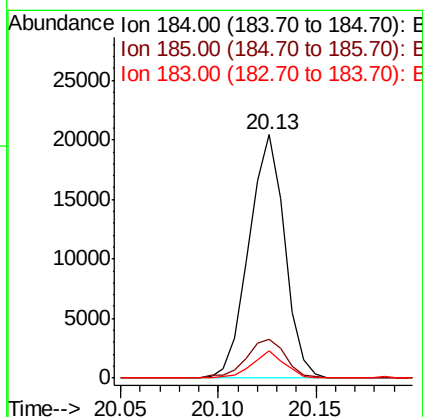
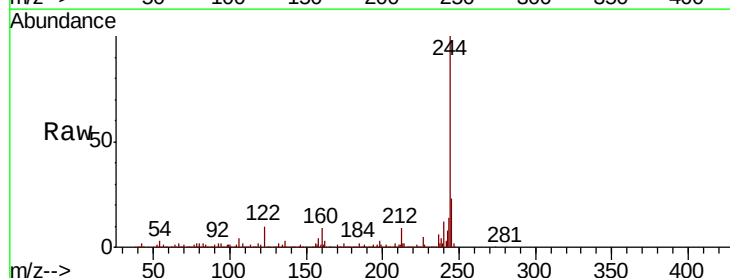
Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

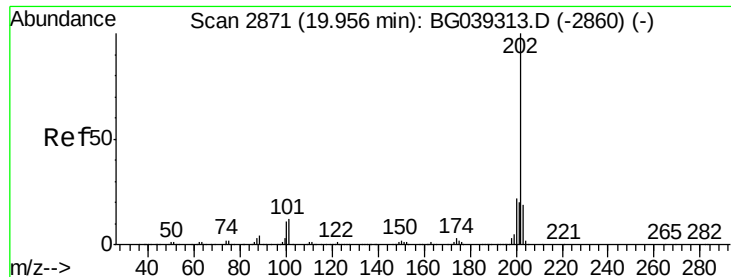
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.0	10.6
236	26.0	21.0	31.4



#77
 Benzidine
 Concen: 2.015 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.35 min
 Lab File: BG039609.D
 Acq: 26 Feb 2019 20:39

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.2	18.2
183	11.3	10.6	15.8





#78

Pyrene

Concen: 2.108 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

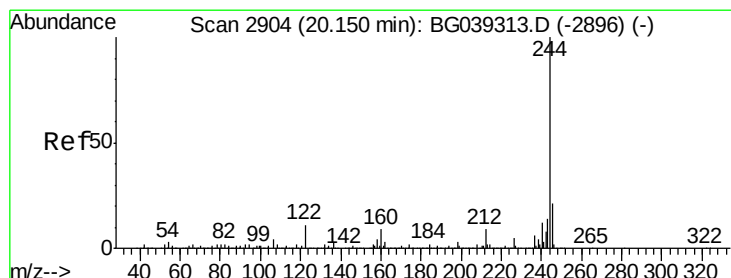
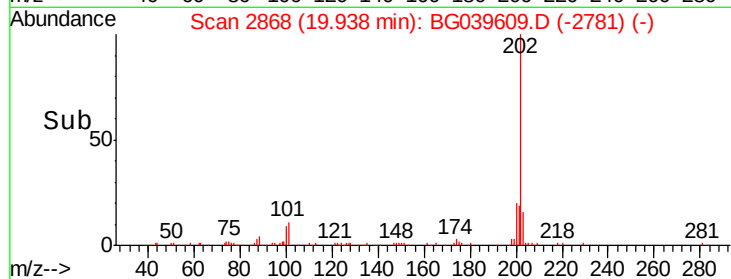
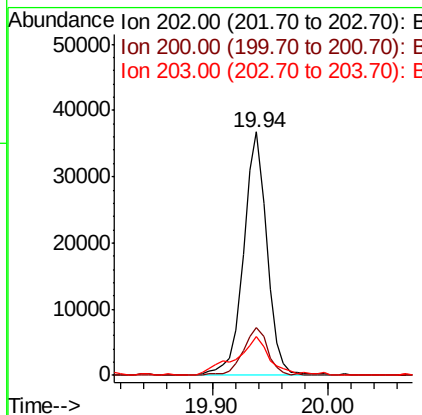
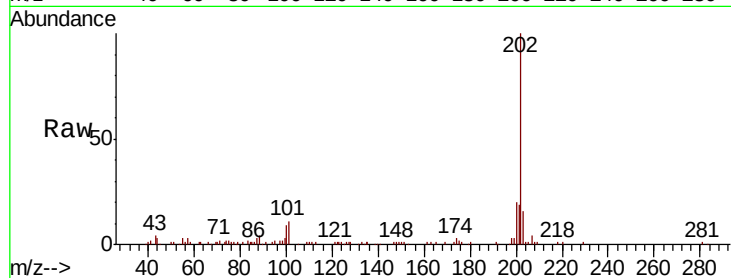
Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

Tgt Ion:	202	Resp:	51477
Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.8	26.8
203	16.0	15.3	22.9



#79

Terphenyl-d14

Concen: 75.667 ng

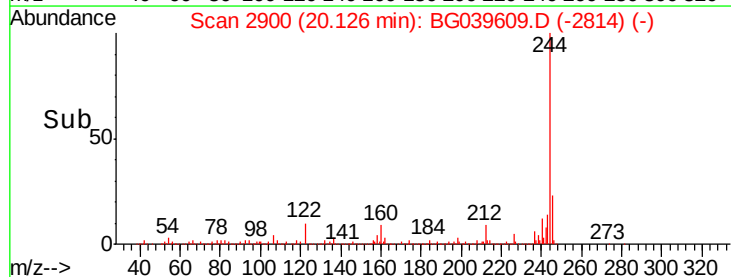
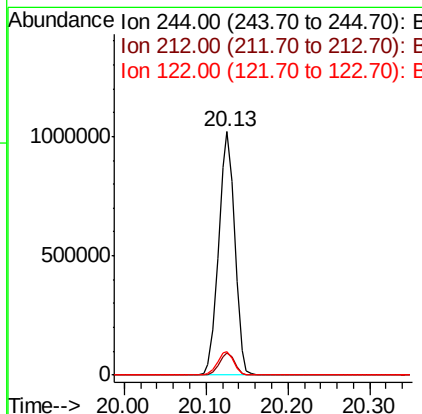
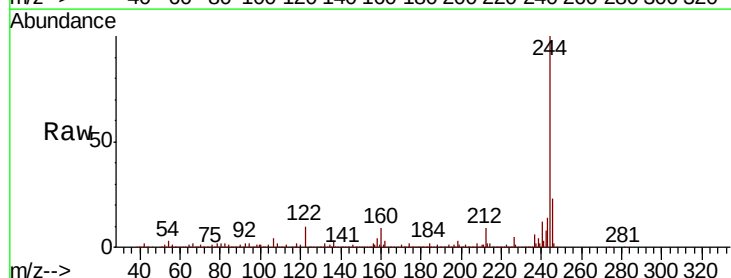
RT: 20.13 min Scan# 2900

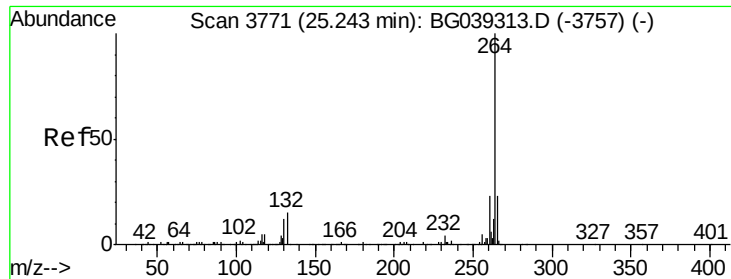
Delta R.T. -0.02 min

Lab File: BG039609.D

Acq: 26 Feb 2019 20:39

Tgt Ion:	244	Resp:	1402503
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	9.7	8.4	12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039609.D
Acq: 26 Feb 2019 20:39

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:	264	Resp:	404465
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.2	18.5	27.7

