

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039564.D
 Acq On : 19 Feb 2019 21:02
 Operator : JU/SJ
 Sample : K1528-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-3

Quant Time: Feb 19 23:52:16 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	47402	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	216715	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	151909	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	350346	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	347087	20.00	ng	-0.03
87) Perylene-d12	25.20	264	338016	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	139052	50.21	ng	0.00
7) Phenol-d6	7.31	99	129353	31.73	ng	0.00
23) Nitrobenzene-d5	9.34	82	381596	110.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	195519	119.53	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	908049	85.75	ng	-0.02
79) Terphenyl-d14	20.12	244	1259349	76.80	ng	-0.03

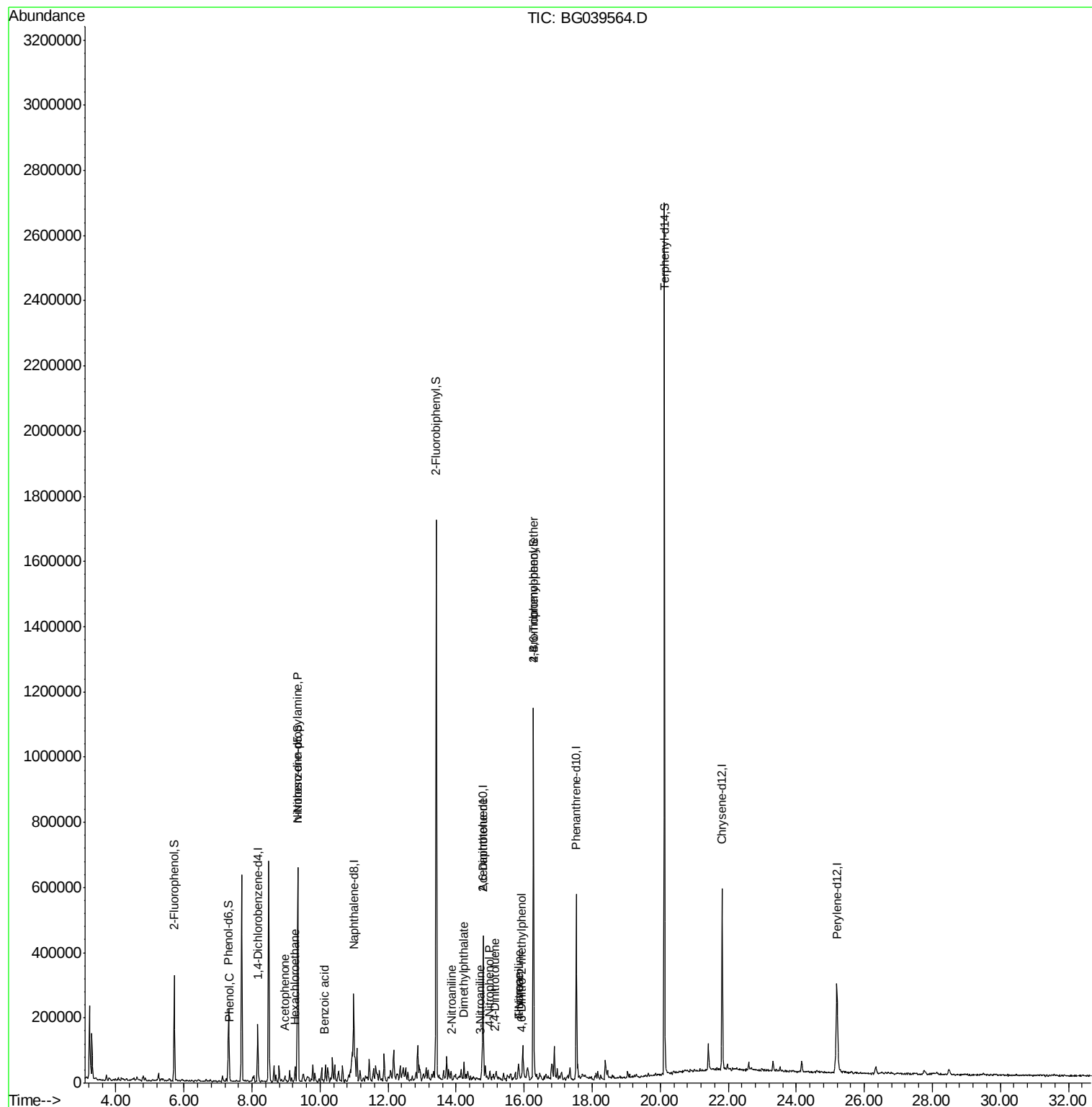
Target Compounds				Qvalue		
9) Benzaldehyde	7.29	77	475	Below Cal	#	1
10) Phenol	7.34	94	8864	2.086	ng	90
18) Hexachloroethane	9.28	117	10515	8.361	ng	29
19) n-Nitroso-di-n-propylamine	9.34	70	48863	16.887	ng	69
22) Acetophenone	8.96	105	13161	2.261	ng	55
32) Benzoic acid	10.13	122	55	9.043	ng	47
48) 2-Nitroaniline	13.88	65	136	8.337	ng	81
50) Dimethylphthalate	14.23	163	27433	2.236	ng	95
51) 2,6-Dinitrotoluene	14.78	165	24394	15.744	ng	27
53) 3-Nitroaniline	14.70	138	57	5.813	ng	85
56) 4-Nitrophenol	14.98	139	958	6.194	ng	36
57) 2,4-Dinitrotoluene	15.14	165	944	8.094	ng	52
58) Fluorene	15.83	166	22835	2.051	ng	90
62) 4-Nitroaniline	15.84	138	60	4.224	ng	1
65) 4,6-Dinitro-2-methylphenol	15.92	198	61	4.226	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	15021	3.865	ng	1

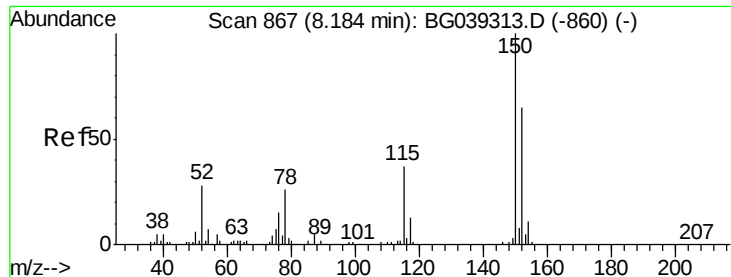
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.02 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampleId :

MW-3

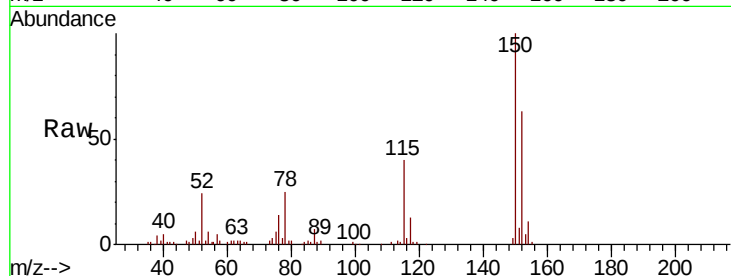
Tgt Ion:152 Resp: 47402

Ion Ratio Lower Upper

152 100

150 159.0 123.7 185.5

115 63.1 45.9 68.9

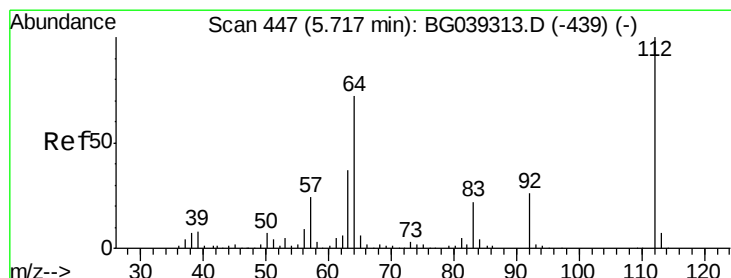
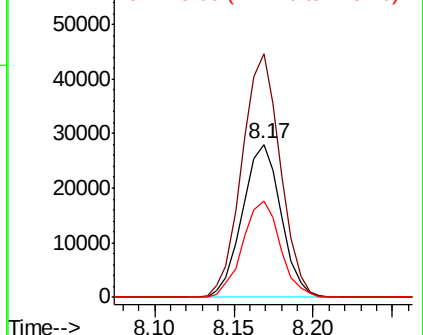
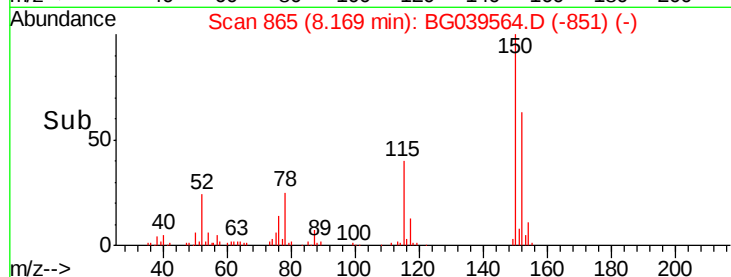


Abundance

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: 50.206 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

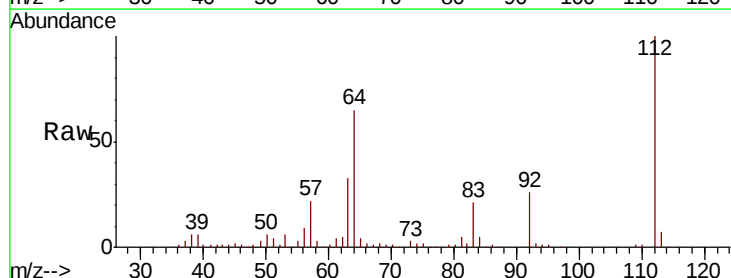
Tgt Ion:112 Resp: 139052

Ion Ratio Lower Upper

112 100

64 65.5 57.8 86.8

63 33.3 29.8 44.6

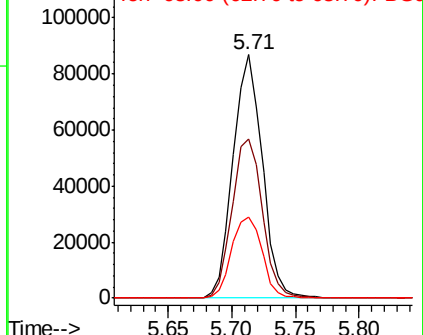
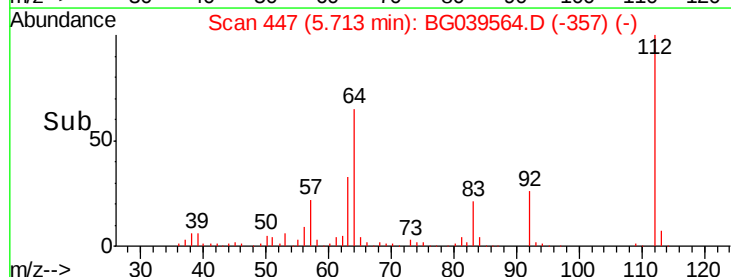


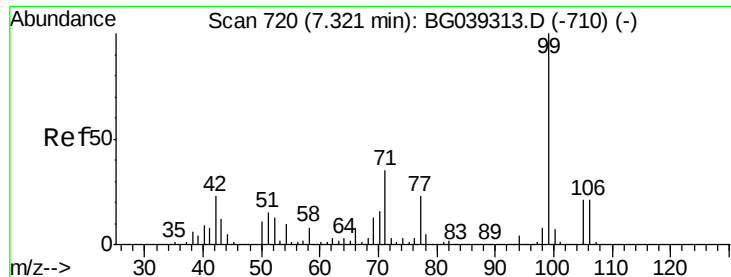
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 31.729 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampleId :

MW-3

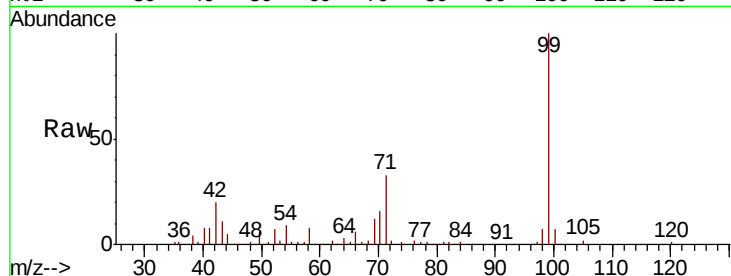
Tgt Ion: 99 Resp: 129353

Ion Ratio Lower Upper

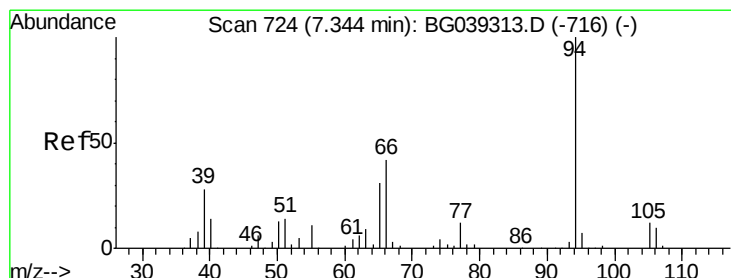
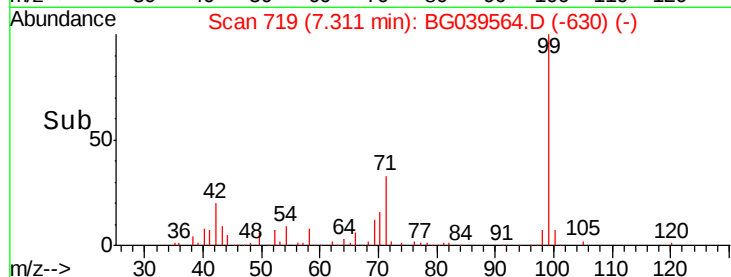
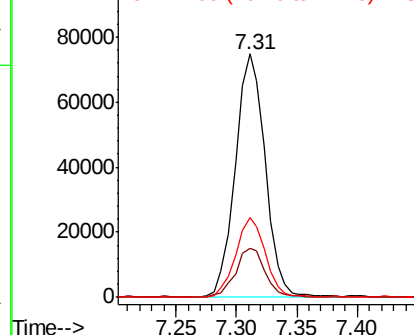
99 100

42 20.0 18.2 27.2

71 32.9 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



#10

Phenol

Concen: 2.086 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

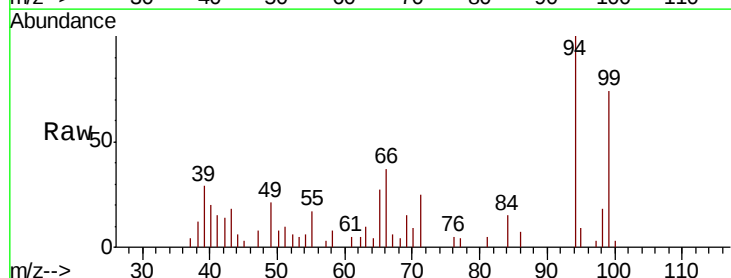
Tgt Ion: 94 Resp: 8864

Ion Ratio Lower Upper

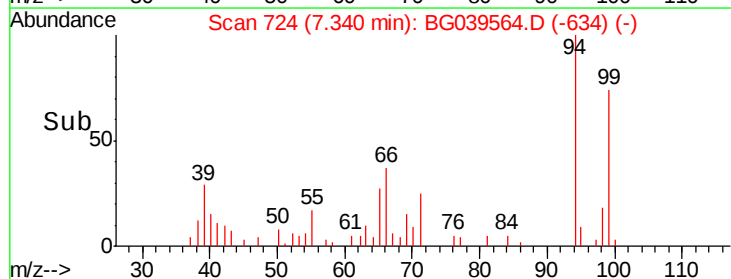
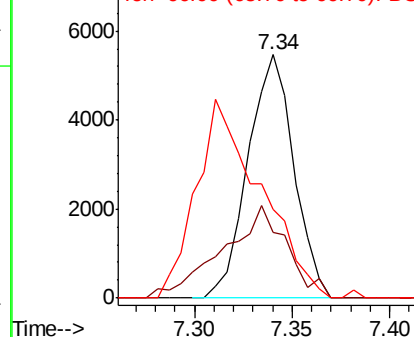
94 100

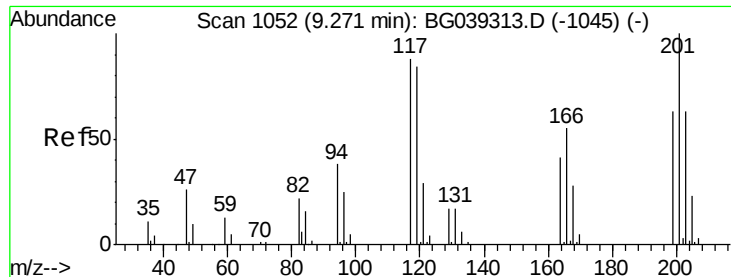
65 27.1 11.7 51.7

66 36.5 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

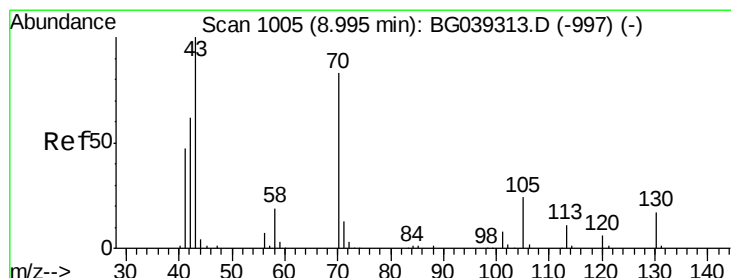
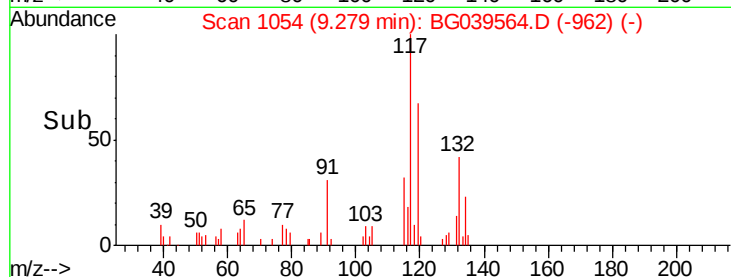
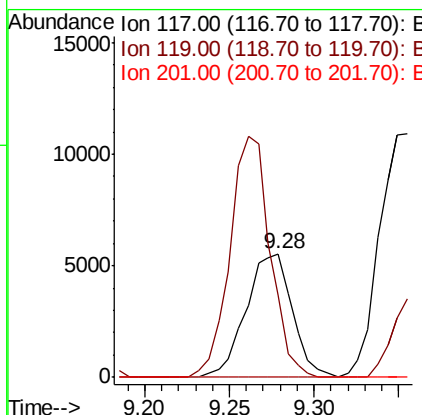
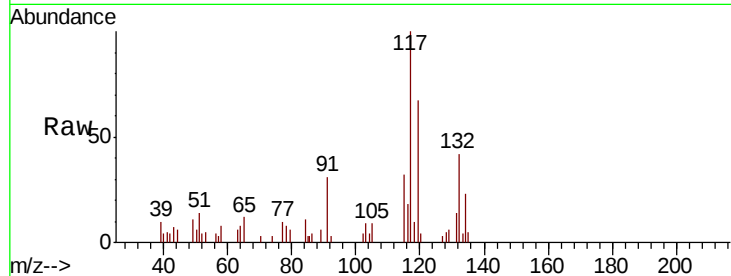




#18
 Hexachloroethane
 Concen: 8.361 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: BG039564.D
 Acq: 19 Feb 2019 21:02

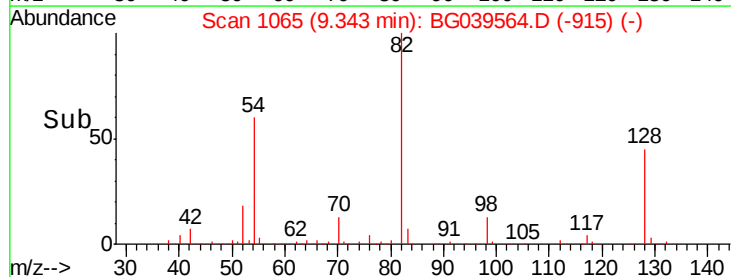
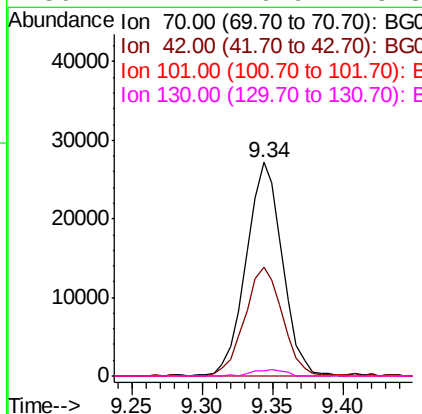
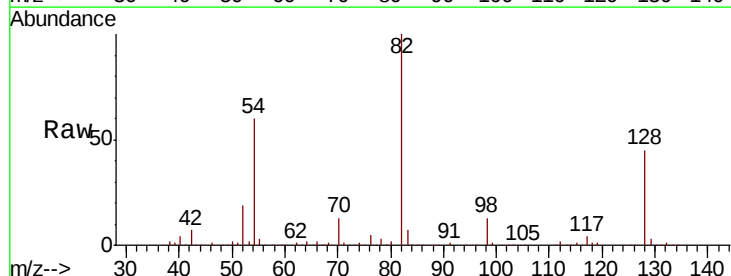
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 MW-3

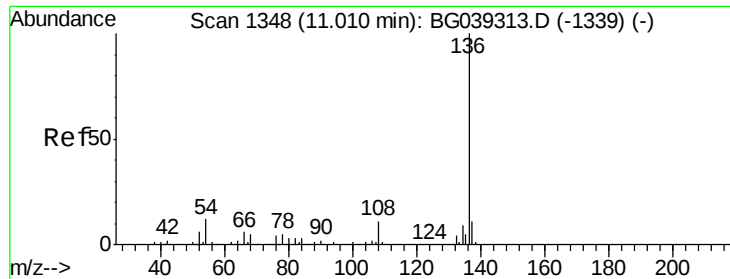
Tgt Ion: 117 Resp: 10515
 Ion Ratio Lower Upper
 117 100
 119 66.6 76.3 114.5#
 201 0.0 91.1 136.7#



#19
 n-Nitroso-di-n-propylamine
 Concen: 16.887 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. 0.35 min
 Lab File: BG039564.D
 Acq: 19 Feb 2019 21:02

Tgt Ion: 70 Resp: 48863
 Ion Ratio Lower Upper
 70 100
 42 50.9 60.4 90.6#
 101 0.0 7.5 11.3#
 130 2.2 16.9 25.3#

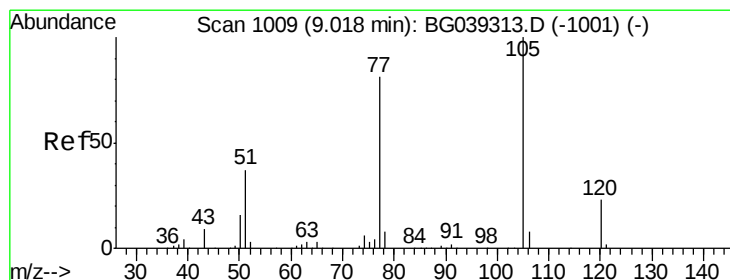
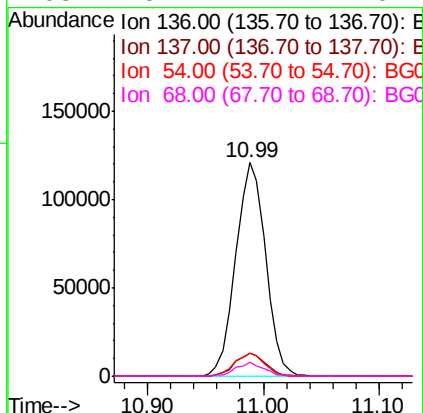
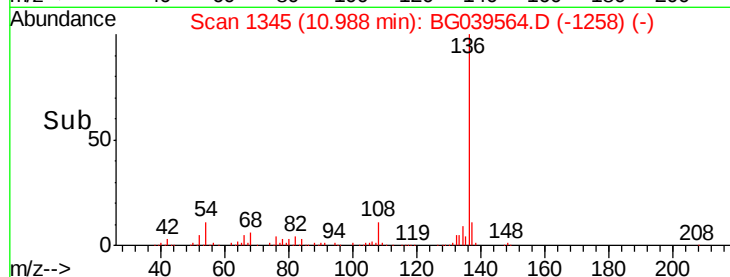
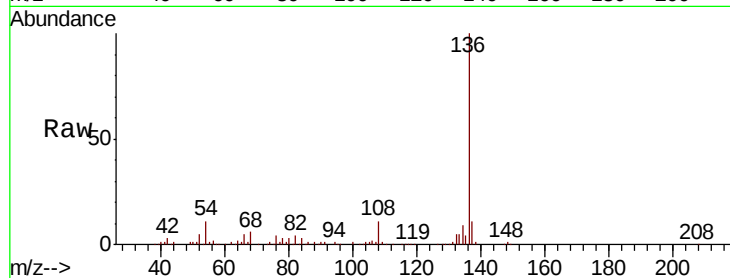




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

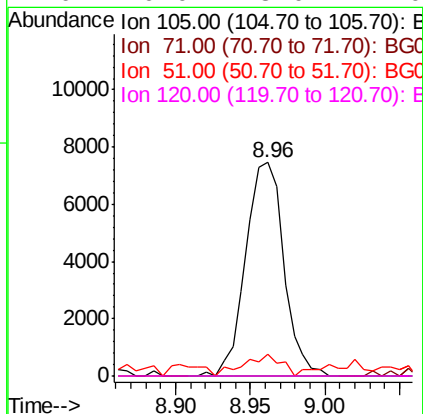
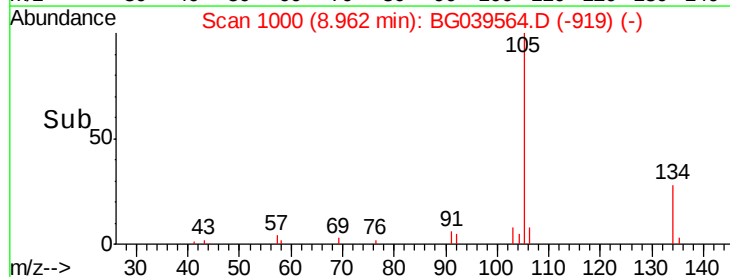
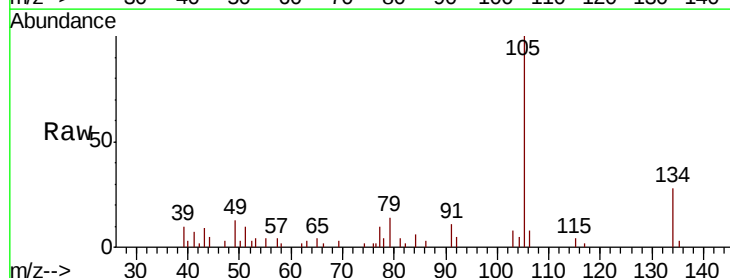
Instrument :
BNA_G
ClientSampleId :
MW-3

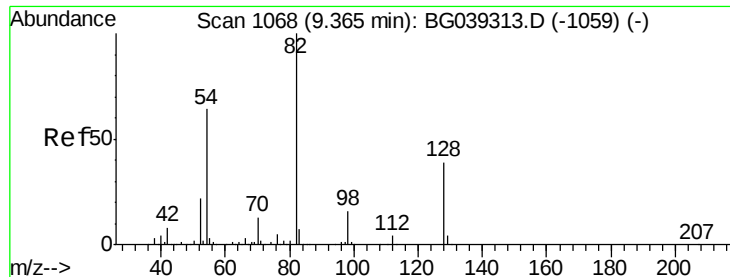
Tgt Ion:	136	Resp:	216715
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.6	9.4	14.2
68	6.4	4.2	6.4#



#22
Acetophenone
Concen: 2.261 ng
RT: 8.96 min Scan# 1000
Delta R.T. -0.06 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Tgt Ion:	105	Resp:	13161
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.8	1.2#
51	10.5	30.2	45.2#
120	0.0	18.0	27.0#

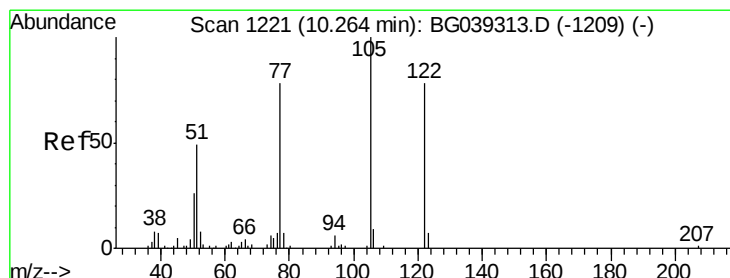
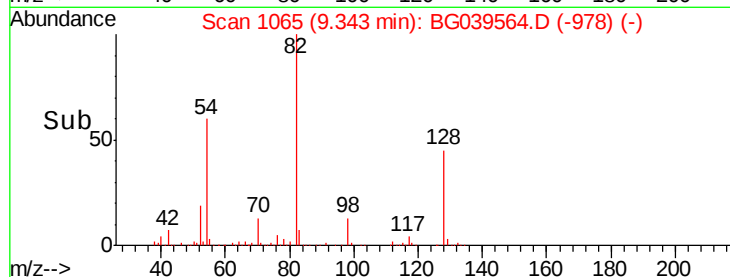
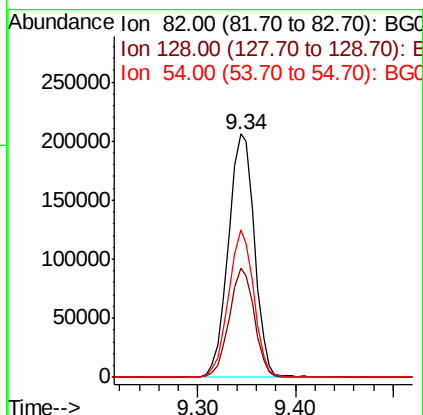
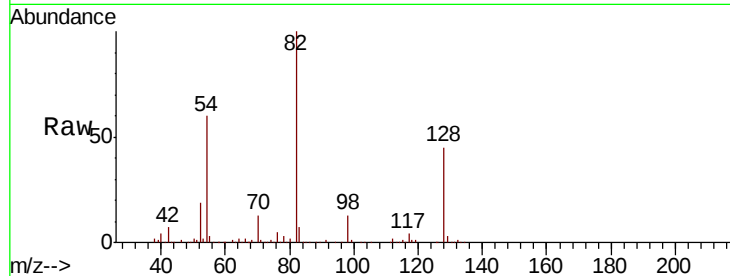




#23
 Nitrobenzene-d5
 Concen: 110.001 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039564.D
 Acq: 19 Feb 2019 21:02

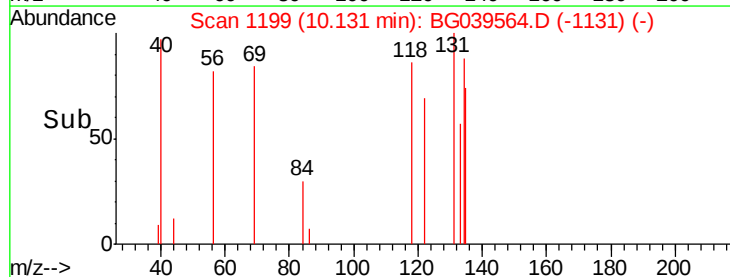
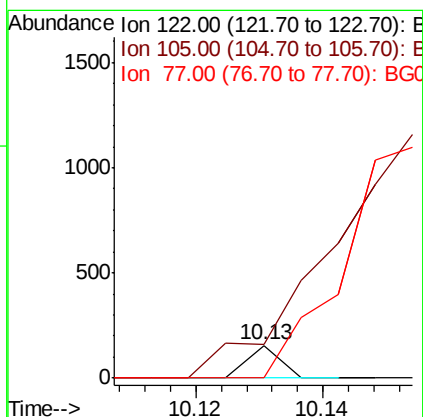
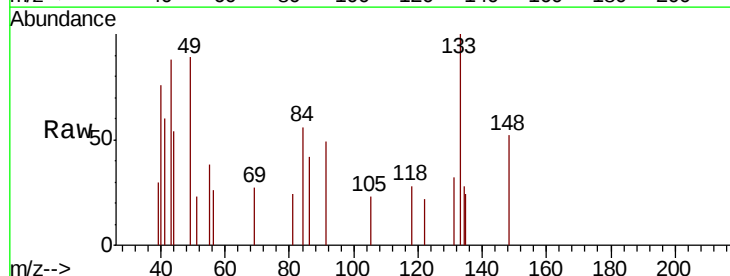
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 BNA_G
 ClientSampleId :
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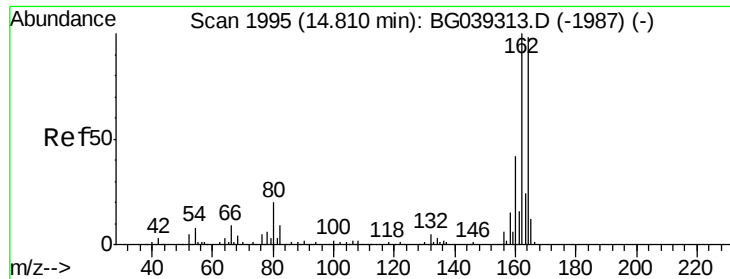
Tgt Ion: 82 Resp: 381596
 Ion Ratio Lower Upper
 82 100
 128 45.0 31.3 46.9
 54 60.4 50.9 76.3



#32
 Benzoic acid
 Concen: 9.043 ng
 RT: 10.13 min Scan# 1199
 Delta R.T. -0.13 min
 Lab File: BG039564.D
 Acq: 19 Feb 2019 21:02

Tgt Ion: 122 Resp: 55
 Ion Ratio Lower Upper
 122 100
 105 103.2 101.8 141.8
 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: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampleId :

MW-3

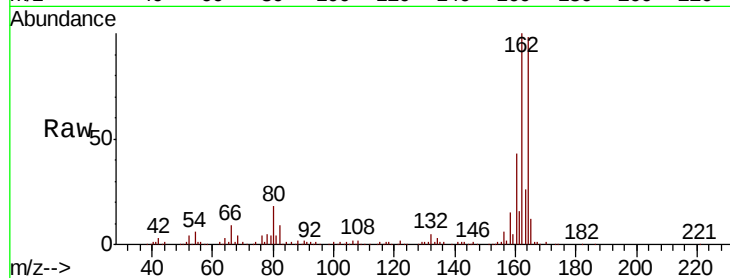
Tgt Ion:164 Resp: 151909

Ion Ratio Lower Upper

164 100

162 102.1 81.6 122.4

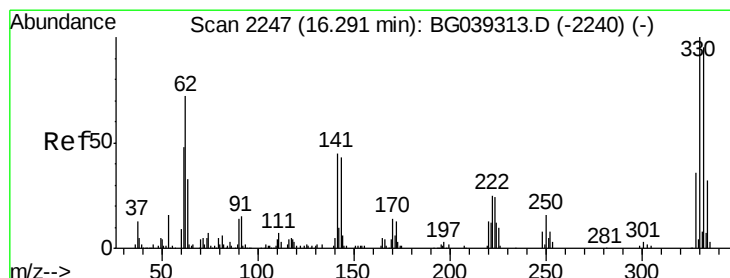
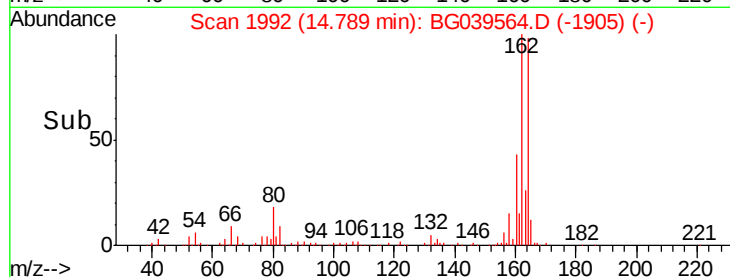
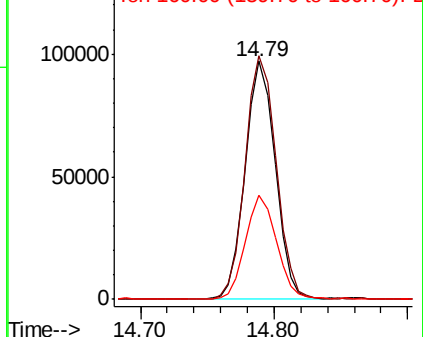
160 43.6 34.2 51.2



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: 119.525 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

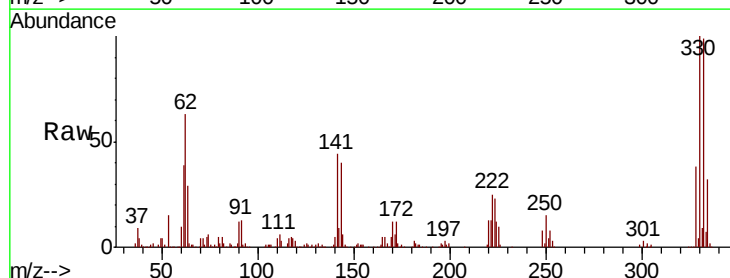
Tgt Ion:330 Resp: 195519

Ion Ratio Lower Upper

330 100

332 96.4 75.7 113.5

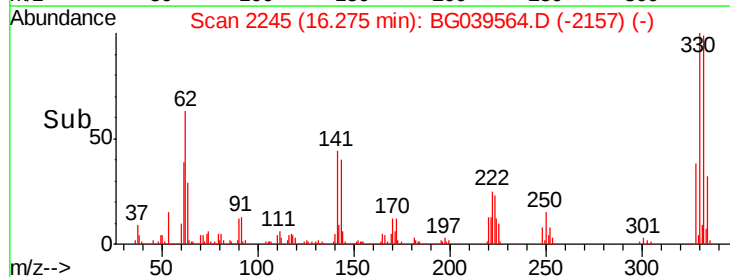
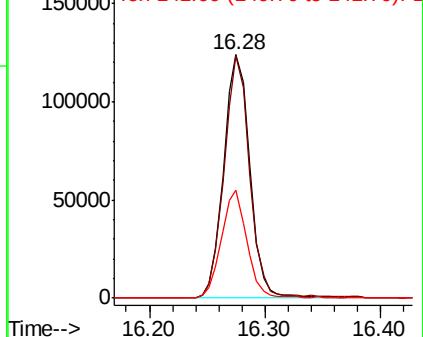
141 42.4 35.6 53.4

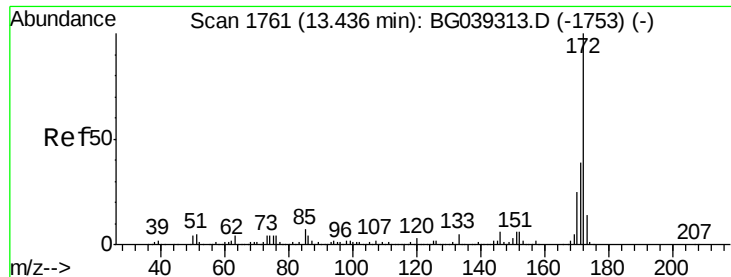


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

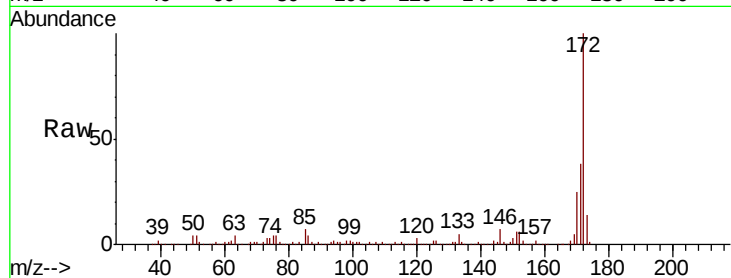




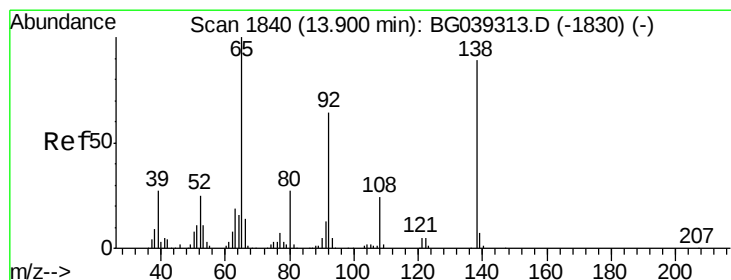
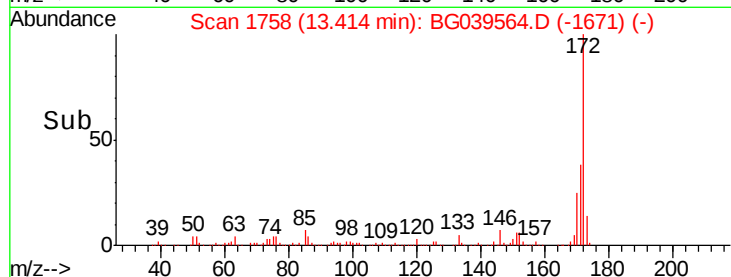
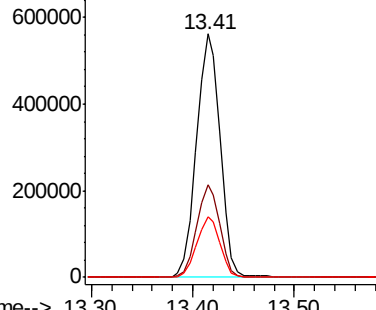
#45
2-Fluorobiphenyl
Concen: 85.751 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Instrument :
BNA_G
ClientSampleId :
MW-3

Tgt Ion: 172 Resp: 908049
Ion Ratio Lower Upper
172 100
171 38.2 30.8 46.2
170 24.9 20.2 30.4

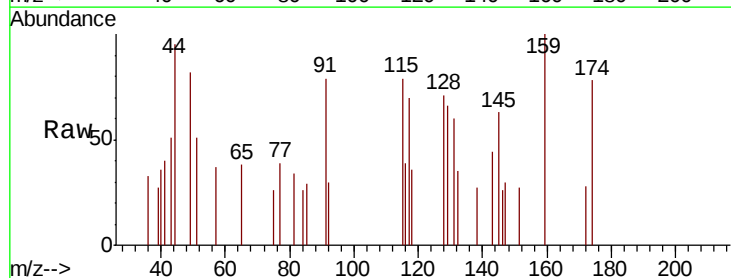


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

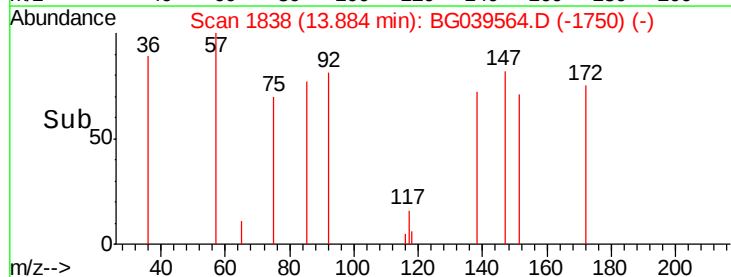
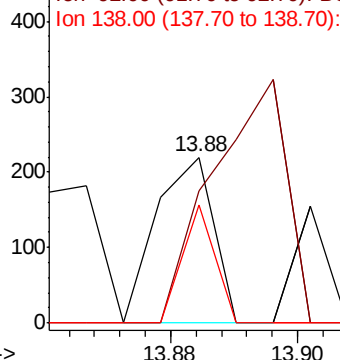


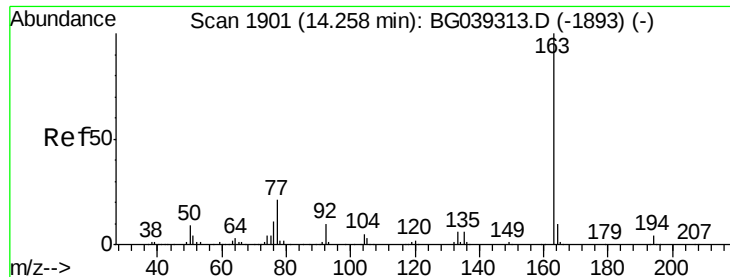
#48
2-Nitroaniline
Concen: 8.337 ng
RT: 13.88 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Tgt Ion: 65 Resp: 136
Ion Ratio Lower Upper
65 100
92 80.0 51.4 77.2#
138 71.4 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





#50

Dimethylphthalate

Concen: 2.236 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampled :

MW-3

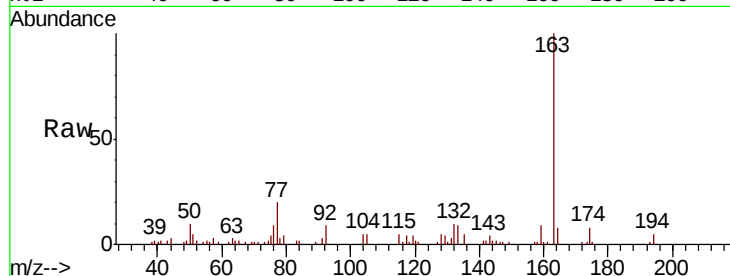
Tgt Ion:163 Resp: 27433

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

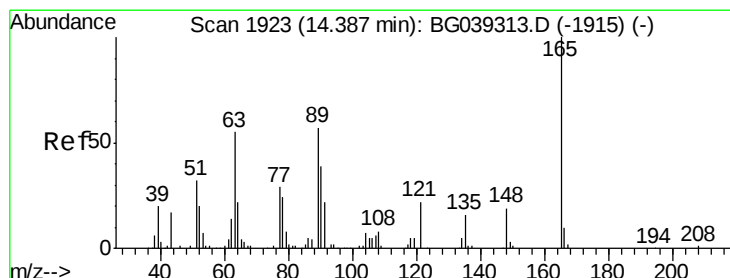
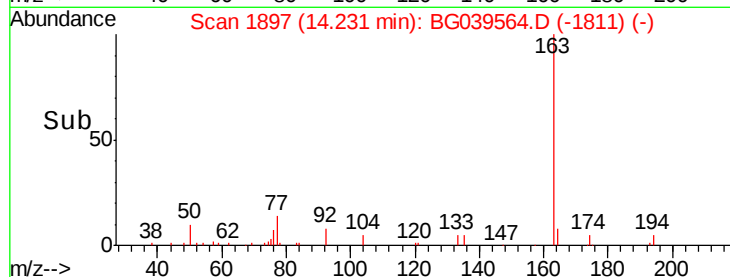
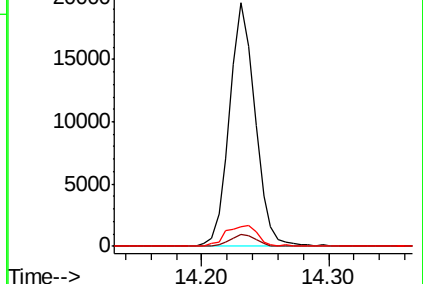
164 7.9 8.4 12.6#



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: 15.744 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.40 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

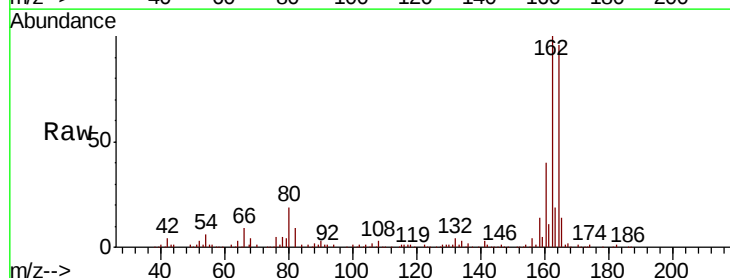
Tgt Ion:165 Resp: 24394

Ion Ratio Lower Upper

165 100

63 3.4 47.0 70.6#

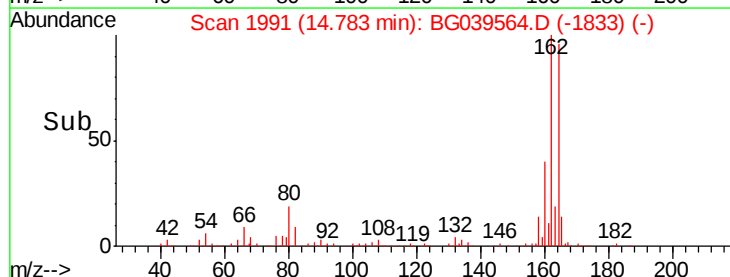
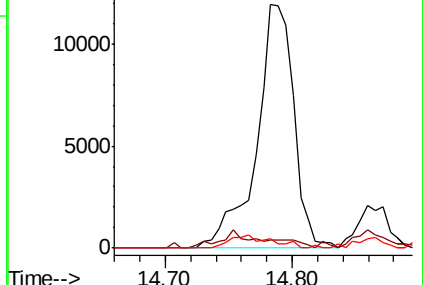
89 3.9 45.8 68.8#

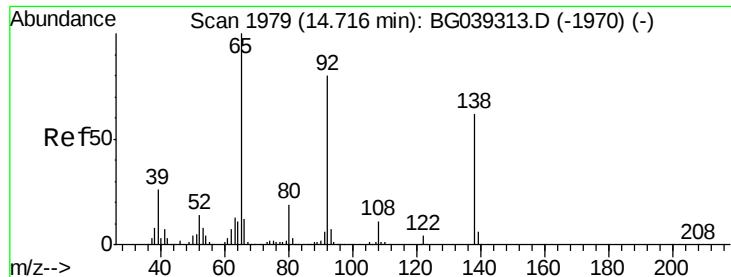


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

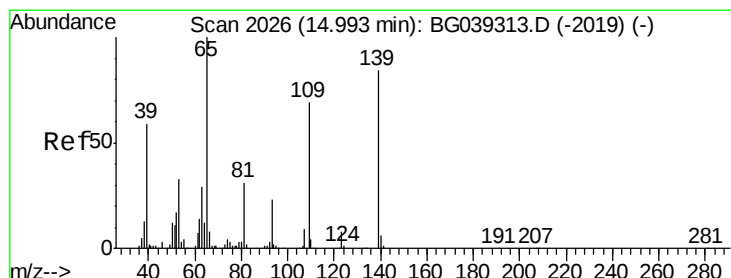
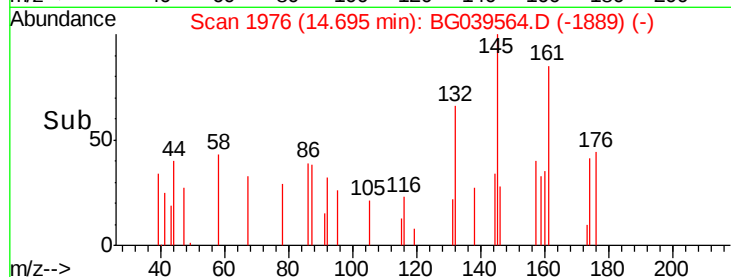
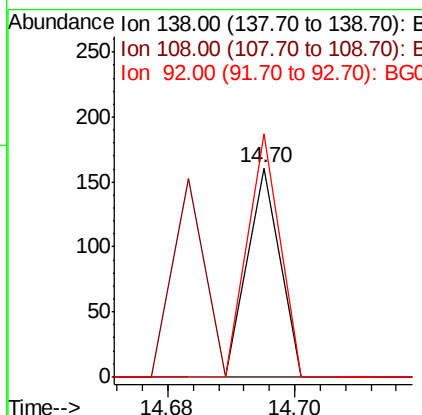
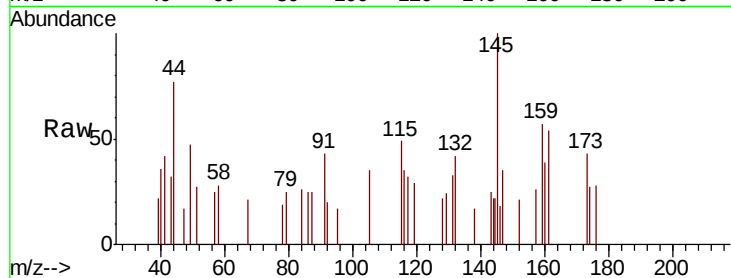




#53
3-Nitroaniline
Concen: 5.813 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.02 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

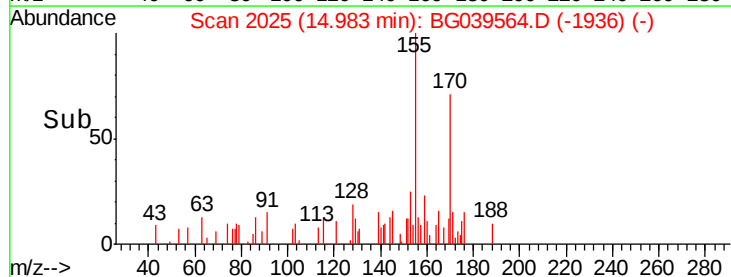
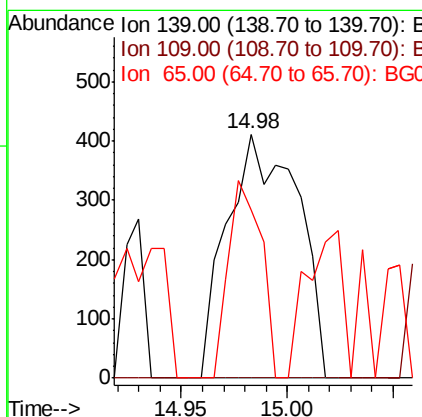
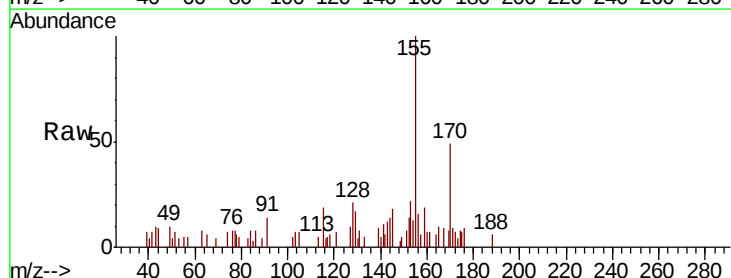
Instrument :
BNA_G
ClientSampled :
MW-3

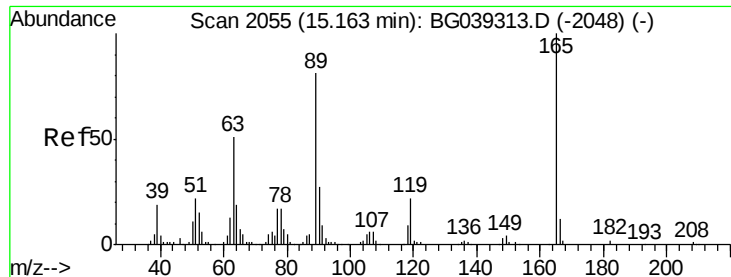
Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 116.1 103.7 155.5



#56
4-Nitrophenol
Concen: 6.194 ng
RT: 14.98 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Tgt Ion:139 Resp: 958
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 69.1 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 8.094 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.03 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampled :

MW-3

Tgt Ion:165 Resp: 944

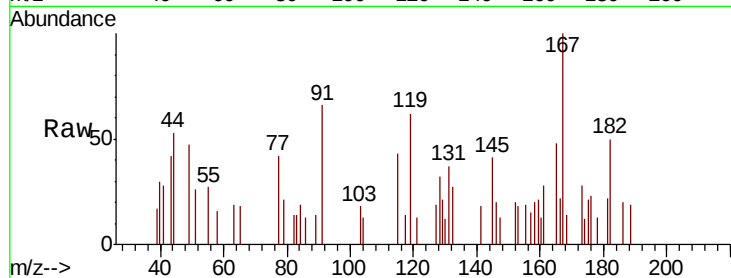
Ion Ratio Lower Upper

165 100

63 38.5 41.0 61.6#

89 28.5 64.6 96.8#

182 103.0 2.0 3.0#

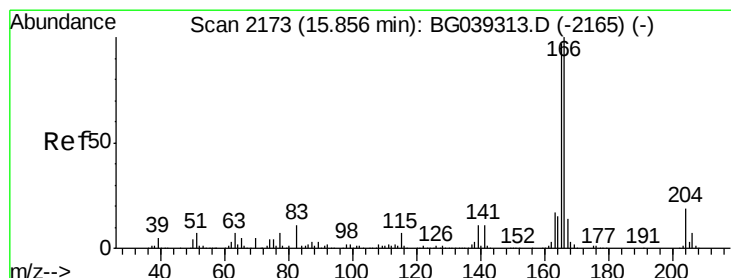
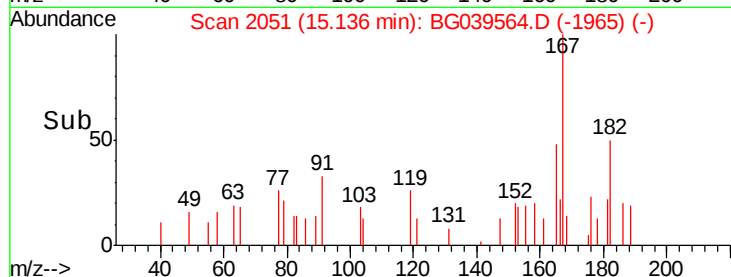
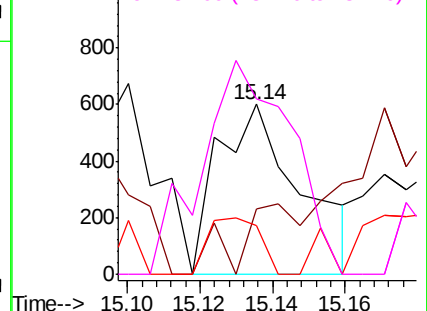


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 2.051 ng

RT: 15.83 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

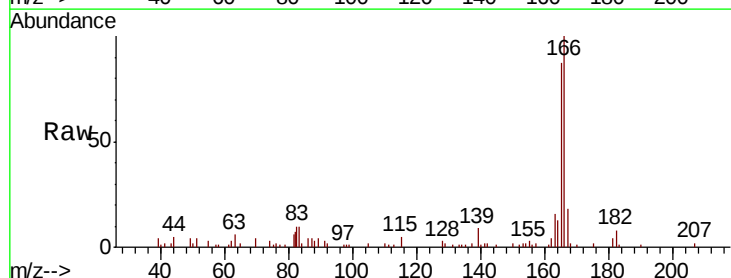
Tgt Ion:166 Resp: 22835

Ion Ratio Lower Upper

166 100

165 87.3 77.9 116.9

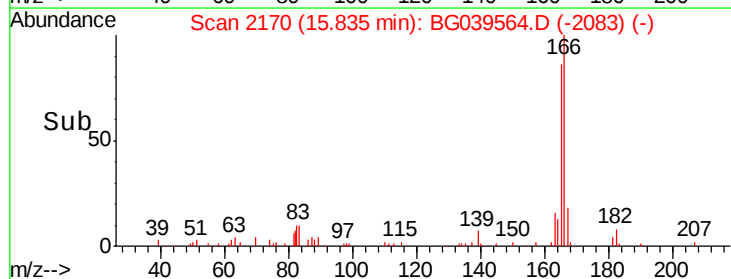
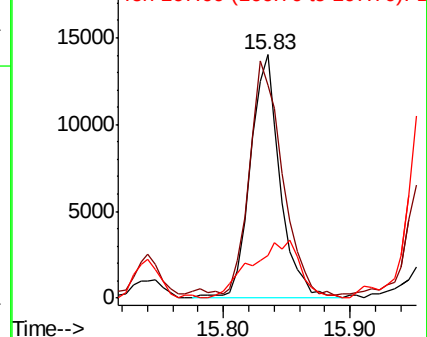
167 17.8 10.8 16.2#

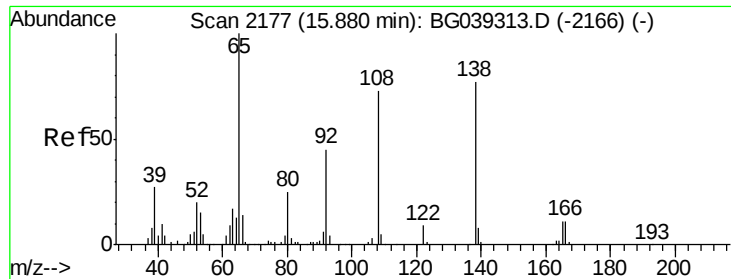


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

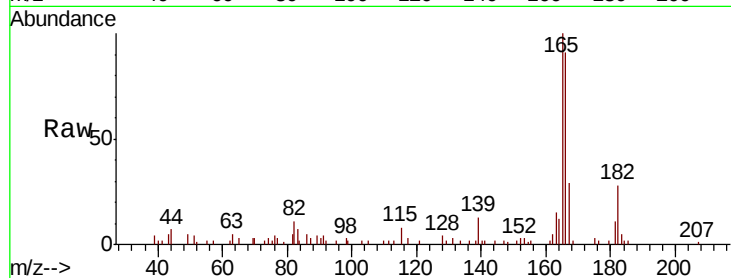




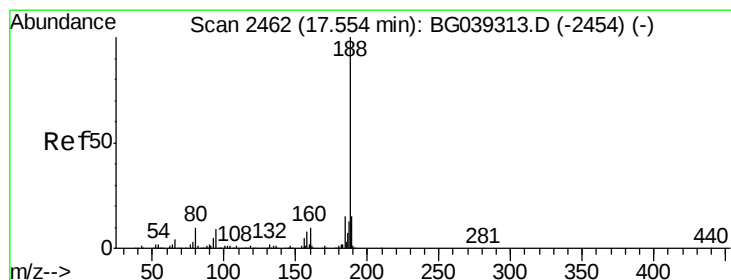
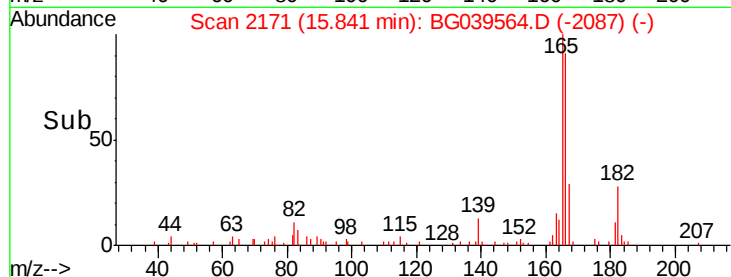
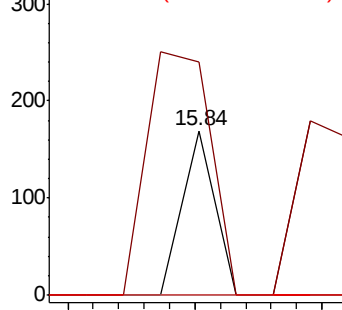
#62
4-Nitroaniline
Concen: 4.224 ng
RT: 15.84 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Instrument :
BNA_G
ClientSampleId :
MW-3

Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
92 142.0 38.7 78.7#
108 0.0 74.6 114.6#

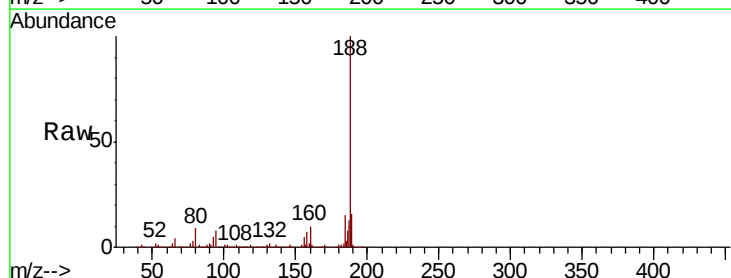


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

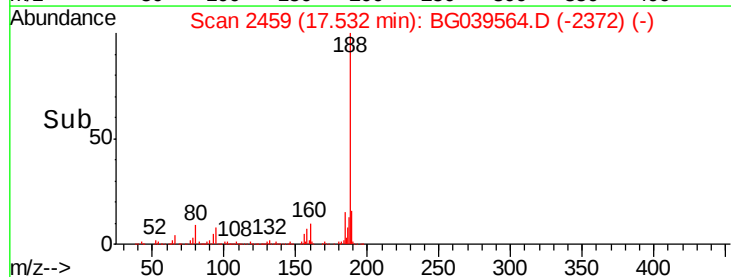
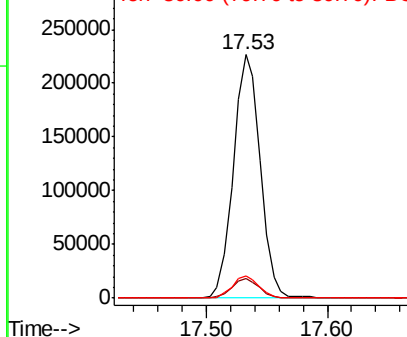


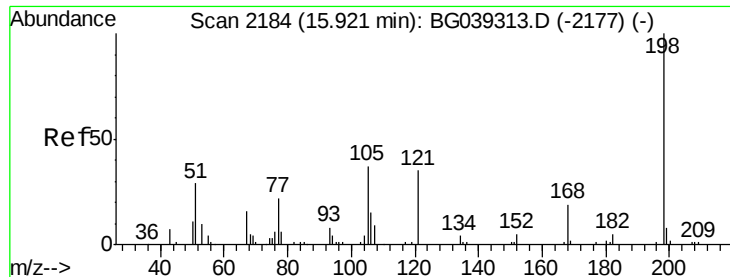
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Tgt Ion:188 Resp: 350346
Ion Ratio Lower Upper
188 100
94 8.1 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): BG
Ion 80.00 (79.70 to 80.70): BG





#65

4,6-Dinitro-2-methylphenol

Concen: 4.226 ng

RT: 15.92 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

Instrument :

BNA_G

ClientSampleId :

MW-3

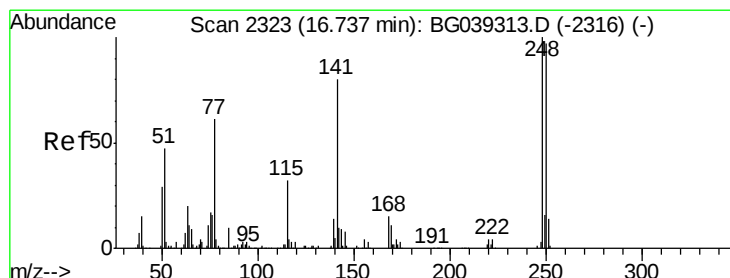
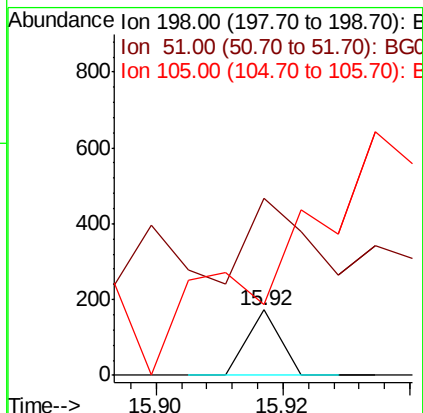
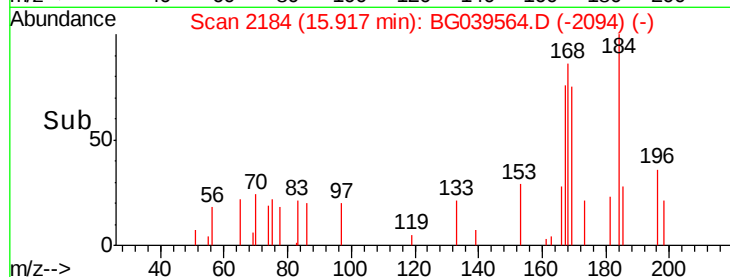
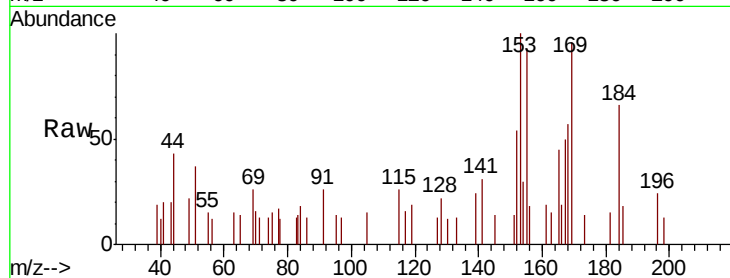
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 272.1 27.4 67.4#

105 109.3 19.7 59.7#



#67

4-Bromophenyl-phenylether

Concen: 3.865 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039564.D

Acq: 19 Feb 2019 21:02

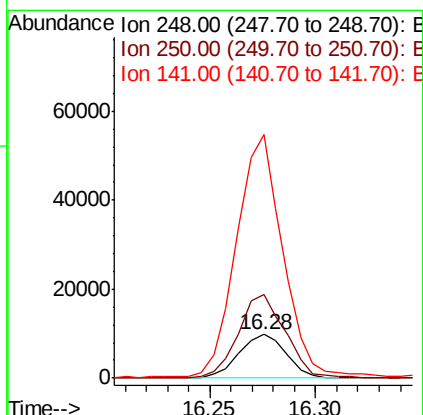
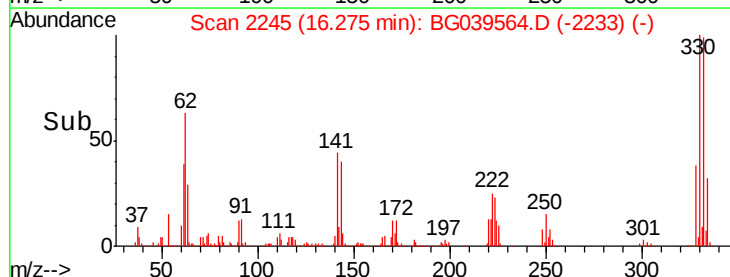
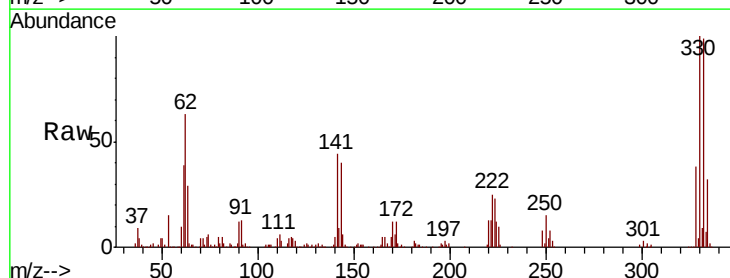
Tgt Ion:248 Resp: 15021

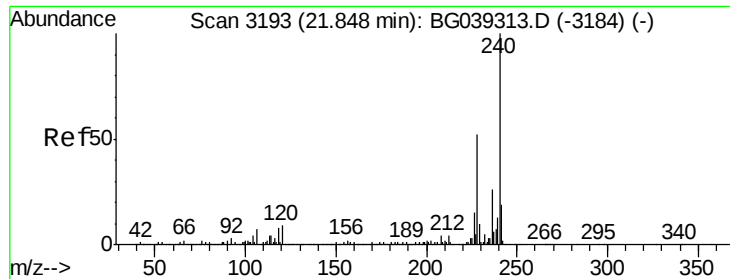
Ion Ratio Lower Upper

248 100

250 192.5 77.6 116.4#

141 559.2 63.9 95.9#

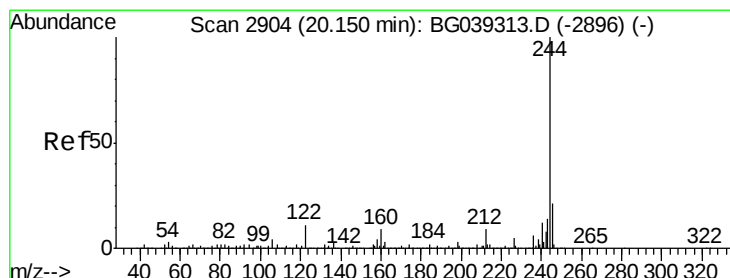
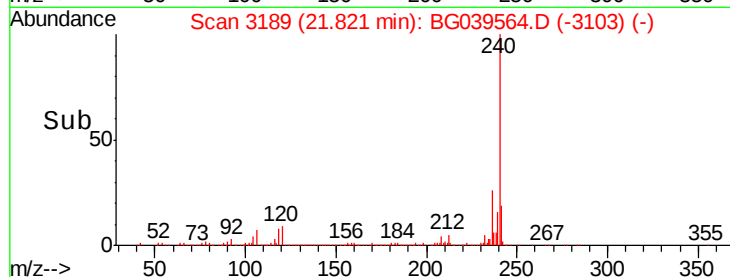
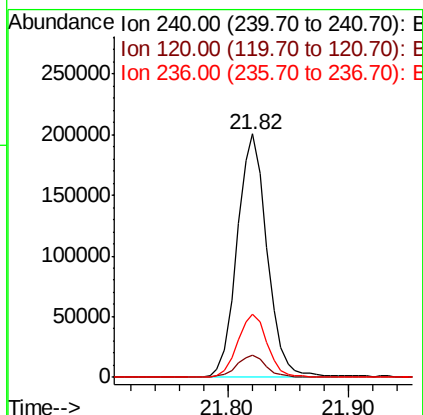
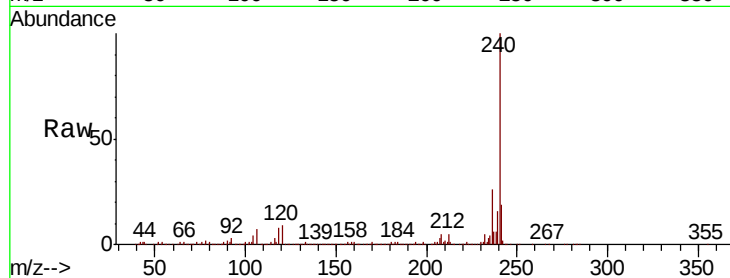




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

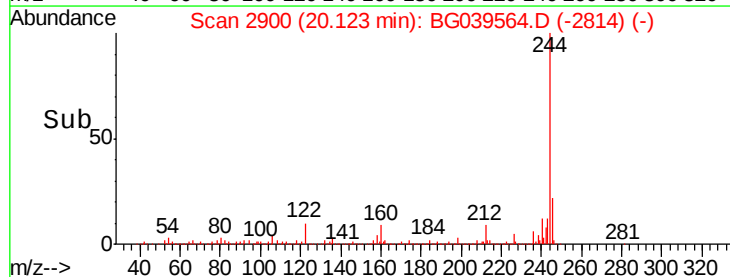
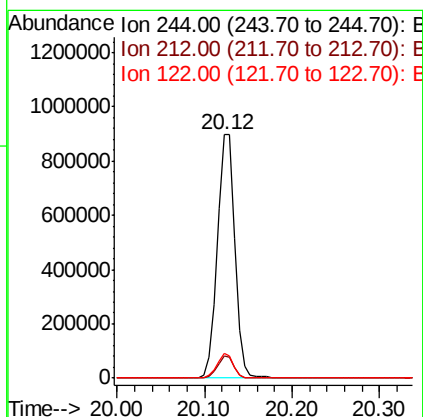
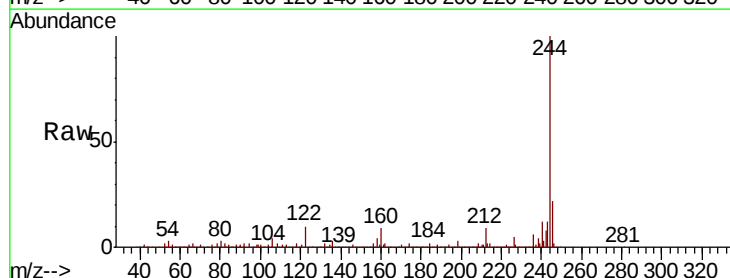
Instrument :
BNA_G
ClientSampled :
MW-3

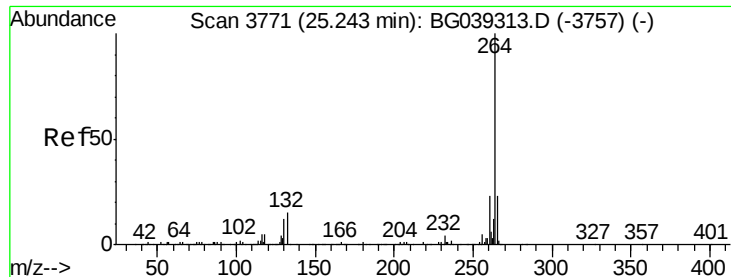
Tgt Ion:240 Resp: 347087
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 76.801 ng
RT: 20.12 min Scan# 2900
Delta R.T. -0.03 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Tgt Ion:244 Resp: 1259349
Ion Ratio Lower Upper
244 100
212 8.9 7.3 10.9
122 10.2 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039564.D
Acq: 19 Feb 2019 21:02

Instrument :
BNA_G
ClientSampleId :
MW-3

Tgt Ion:	264	Resp:	338016
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	21.6	18.5	27.7

