

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041144.D
 Acq On : 8 Jun 2019 21:51
 Operator : HP/JU
 Sample : K3214-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

Quant Time: Jun 10 05:03:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

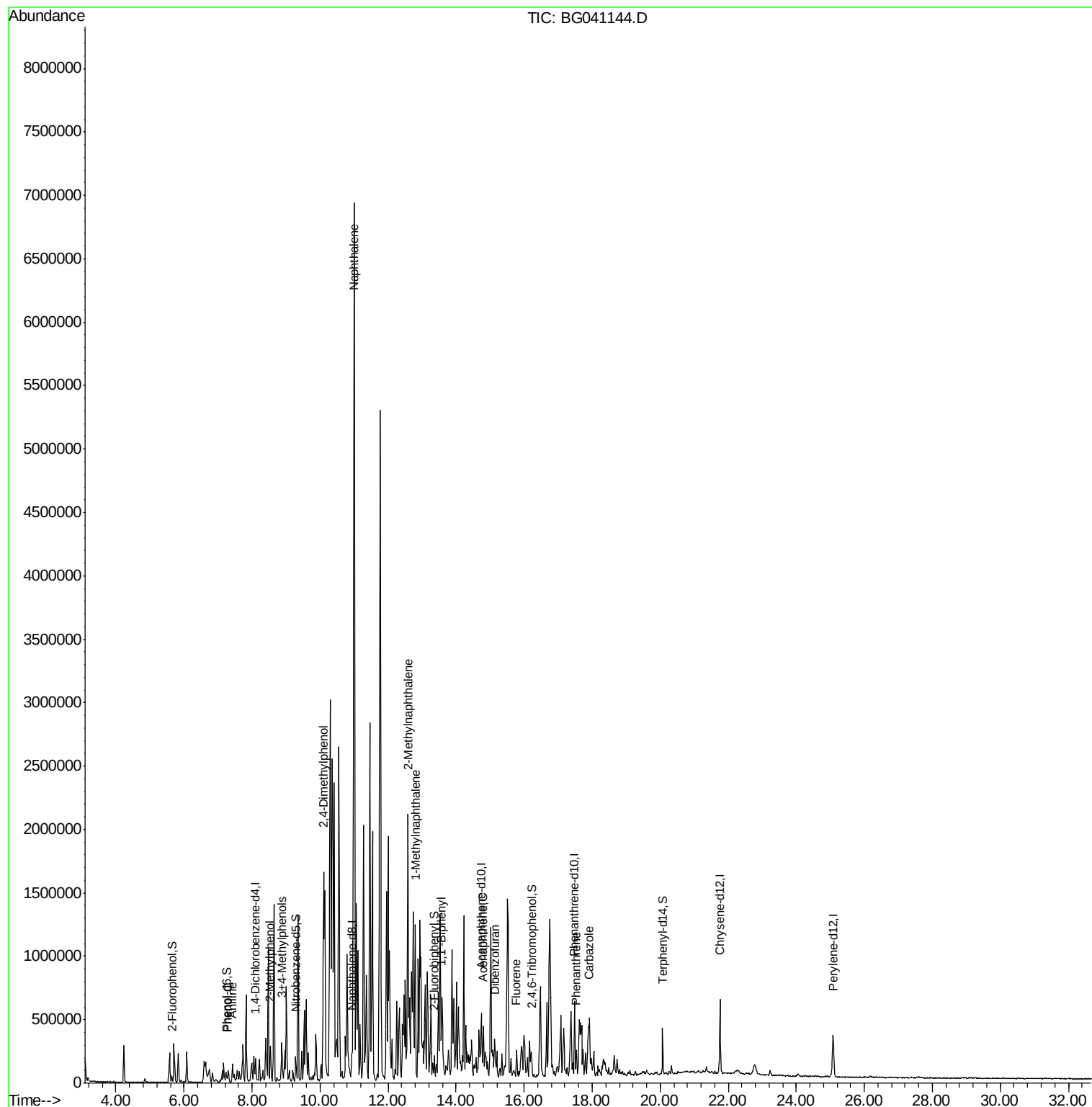
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	43276	20.00	ng	-0.03
21) Naphthalene-d8	10.94	136	188311	20.00	ng	-0.01
39) Acenaphthene-d10	14.74	164	138922	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	348003	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	362806	20.00	ng	-0.03
87) Perylene-d12	25.08	264	397138	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	16129	6.72	ng	-0.01
7) Phenol-d6	7.26	99	16395	4.42	ng	0.00
23) Nitrobenzene-d5	9.29	82	41965	9.89	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	29659	14.38	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	94716	9.82	ng	-0.02
79) Terphenyl-d14	20.07	244	172732	10.10	ng	-0.03
Target Compounds						
6) Aniline	7.42	93	86730	17.531	ng	Qvalue 98
10) Phenol	7.28	94	13148	3.308	ng	85
17) 2-Methylphenol	8.54	107	105494	36.663	ng	91
20) 3+4-Methylphenols	8.87	107	139105	34.900	ng	99
27) 2,4-Dimethylphenol	10.11	122	843236m	286.501	ng	
31) Naphthalene	11.01	128	5183928	512.722	ng	# 66
37) 2-Methylnaphthalene	12.58	142	838572	107.689	ng	97
38) 1-Methylnaphthalene	12.80	142	491823	67.024	ng	# 99
46) 1,1'-Biphenyl	13.57	154	119567	11.627	ng	97
52) Acenaphthene	14.80	154	111922	13.905	ng	96
55) Dibenzofuran	15.14	168	141830	10.472	ng	95
58) Fluorene	15.78	166	67939	6.299	ng	95
71) Phenanthrene	17.52	178	57617	3.179	ng	97
73) Carbazole	17.89	167	52761	3.439	ng	98

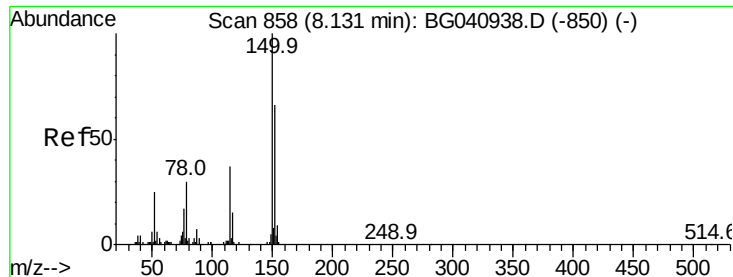
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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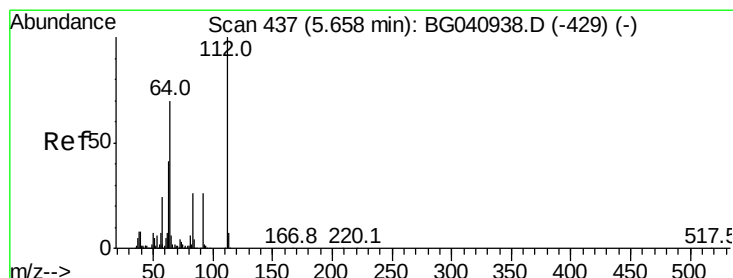
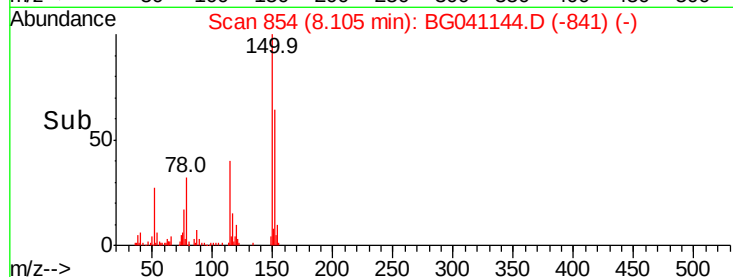
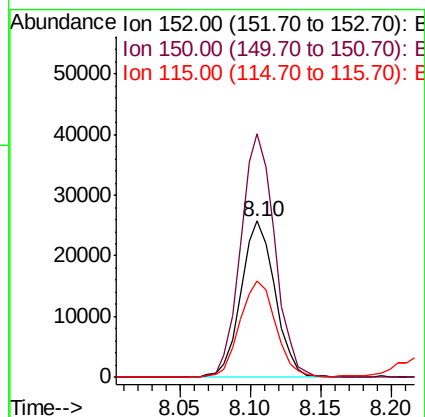
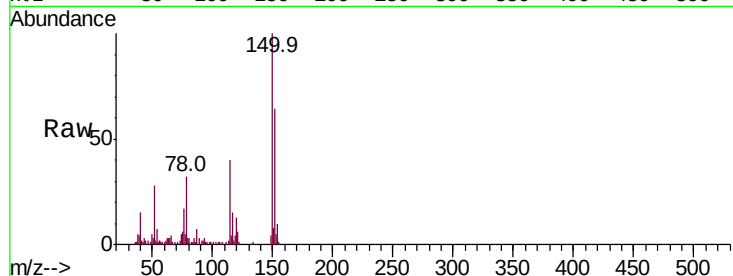


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041144.D
Acq: 8 Jun 2019 21:51

Instrument :
BNA_G
ClientSampleId :
MW-1ADL

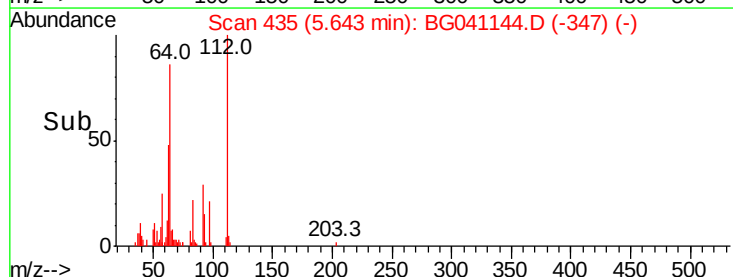
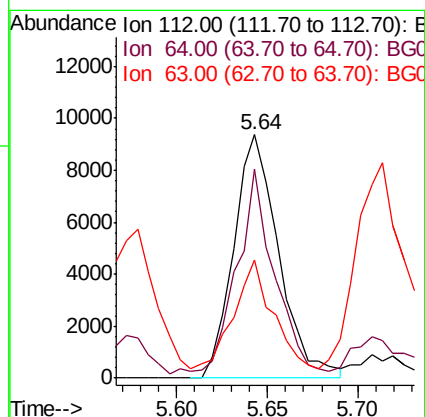
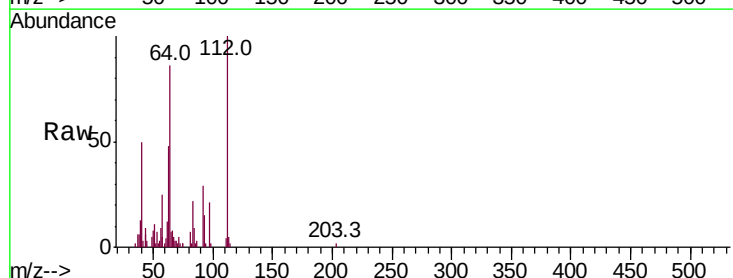
Tot Ion:152 Resp: 43276
Ion Ratio Lower Upper
152 100
150 155.8 120.6 180.8
115 62.0 45.1 67.7

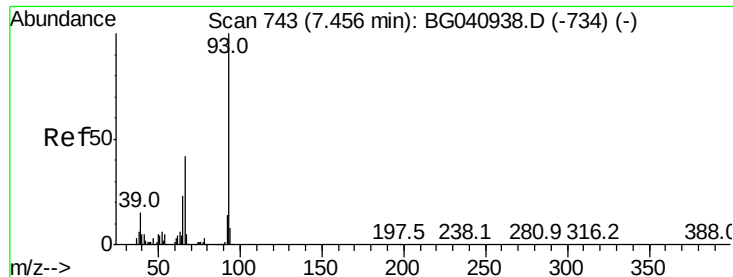


#5

2-Fluorophenol
Concen: 6.721 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG041144.D
Acq: 8 Jun 2019 21:51

Tgt Ion:112 Resp: 16129
Ion Ratio Lower Upper
112 100
64 85.7 56.2 84.2#
63 48.3 32.8 49.2





#6

Aniline

Concen: 17.531 ng

RT: 7.42 min Scan# 738

Delta R.T. -0.03 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

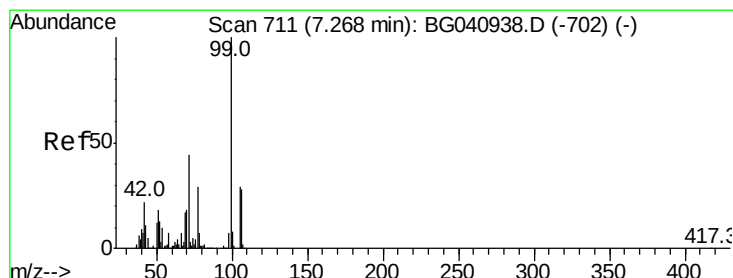
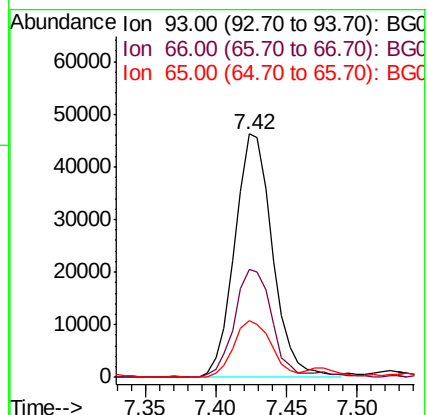
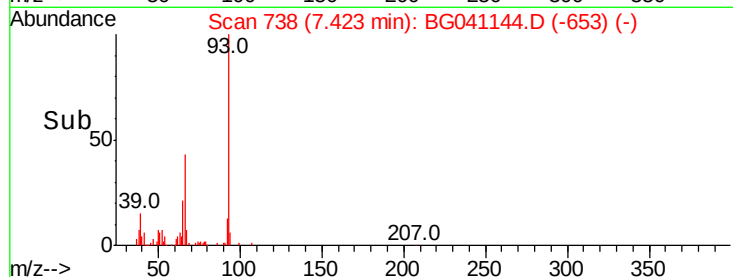
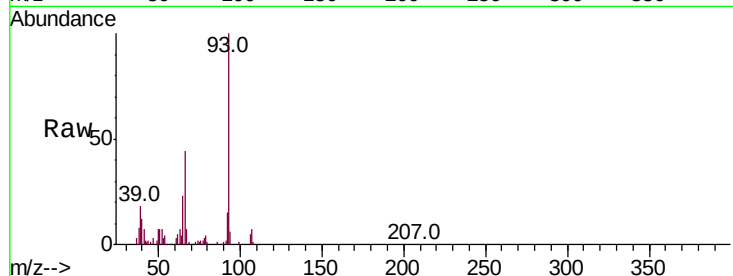
Tot Ion: 93 Resp: 86730

Ion Ratio Lower Upper

93 100

66 44.2 33.8 50.8

65 23.5 18.3 27.5



#7

Phenol-d6

Concen: 4.423 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

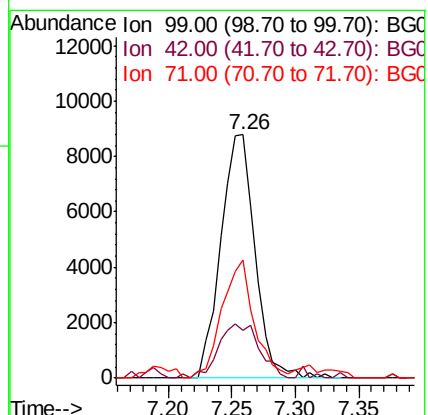
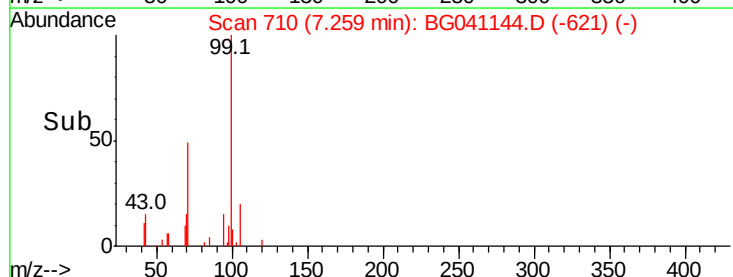
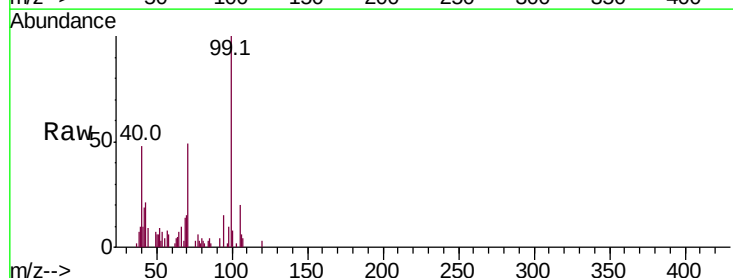
Tgt Ion: 99 Resp: 16395

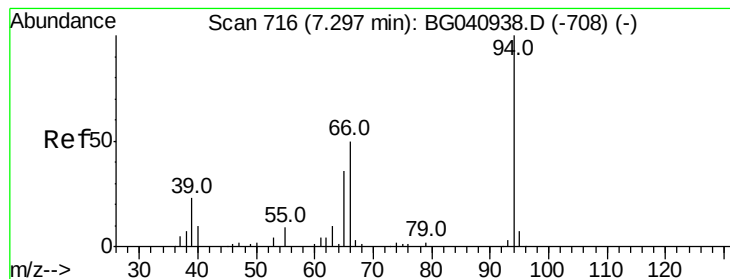
Ion Ratio Lower Upper

99 100

42 19.5 17.9 26.9

71 48.7 35.4 53.0





#10

Phenol

Concen: 3.308 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

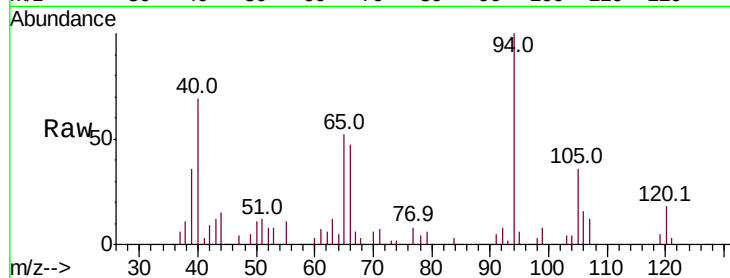
Tot Ion: 94 Resp: 13148

Ion Ratio Lower Upper

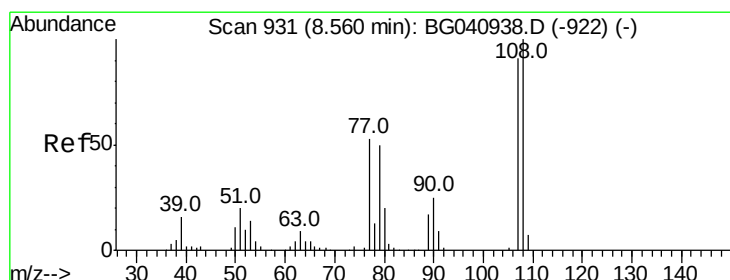
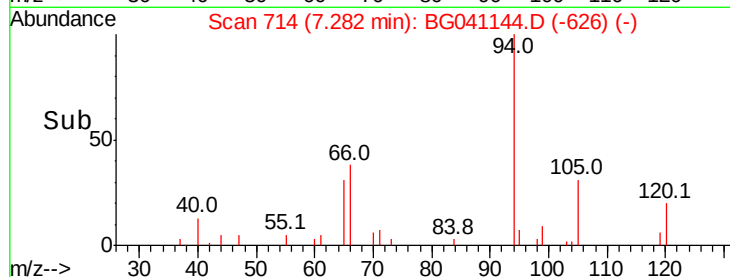
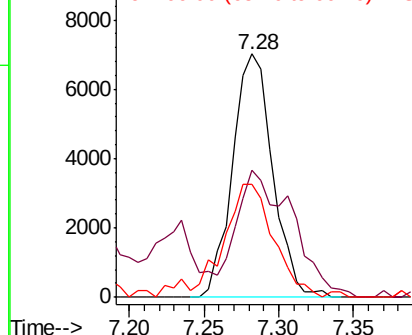
94 100

65 52.2 17.0 57.0

66 46.5 32.4 72.4



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



#17

2-Methylphenol

Concen: 36.663 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Tgt Ion:107 Resp: 105494

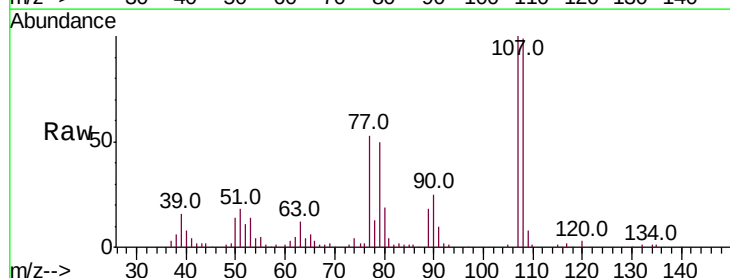
Ion Ratio Lower Upper

107 100

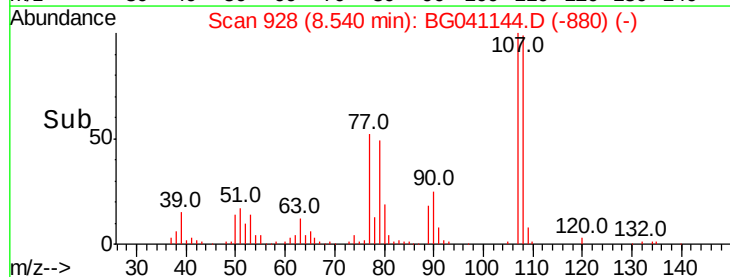
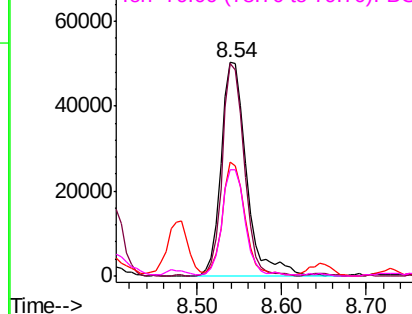
108 99.3 87.7 131.5

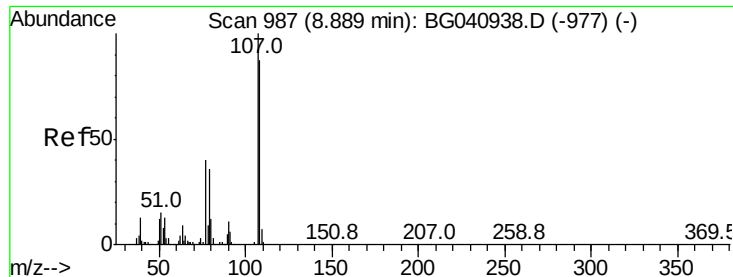
77 53.2 46.6 70.0

79 49.9 44.6 66.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#20

3+4-Methylphenols

Concen: 34.900 ng

RT: 8.87 min Scan# 985

Delta R.T. -0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampled :

MW-1ADL

Tot Ion:107 Resp: 139105

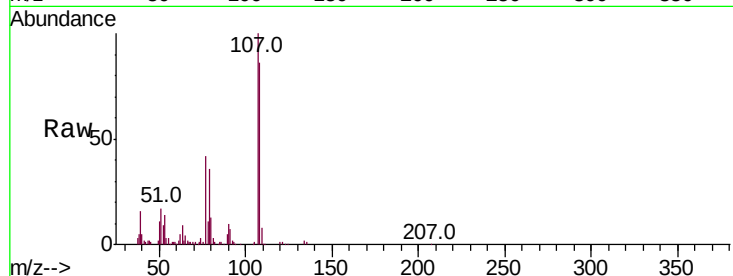
Ion Ratio Lower Upper

107 100

108 86.4 66.8 106.8

77 41.8 20.5 60.5

79 35.6 15.8 55.8

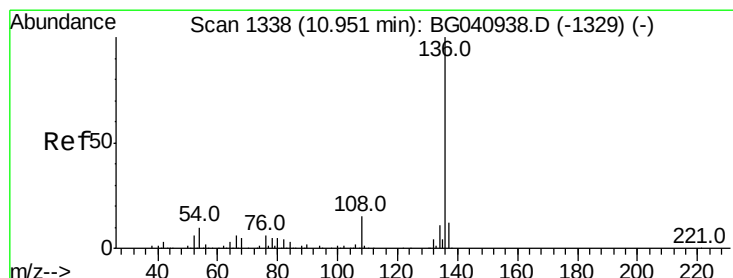
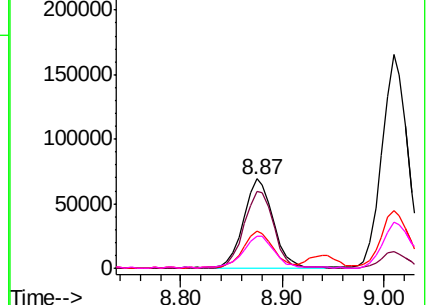
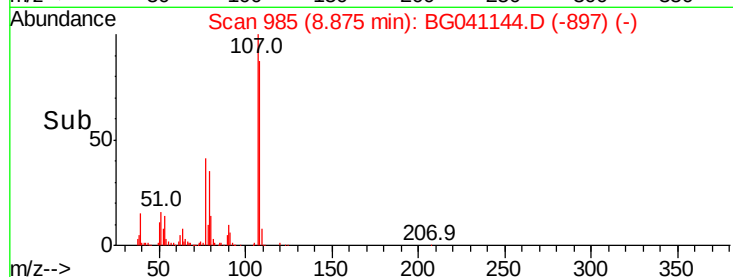


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Tgt Ion:136 Resp: 188311

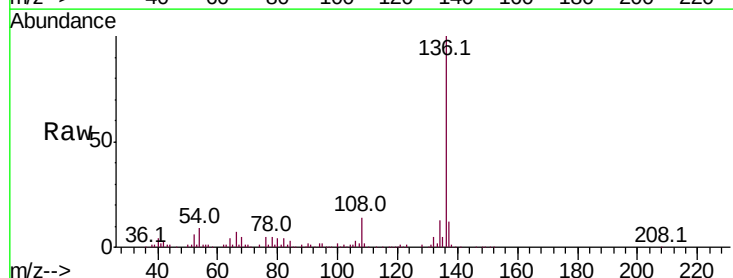
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 9.4 7.6 11.4

68 5.3 3.9 5.9

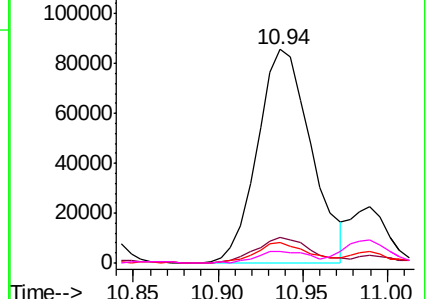
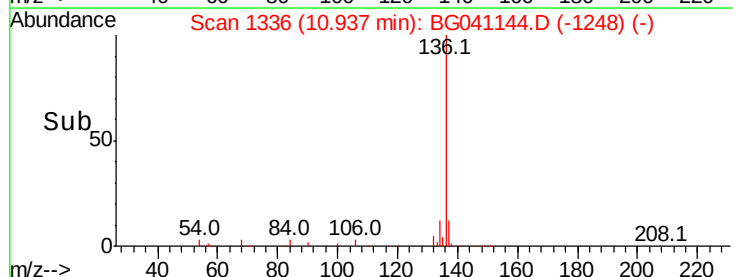


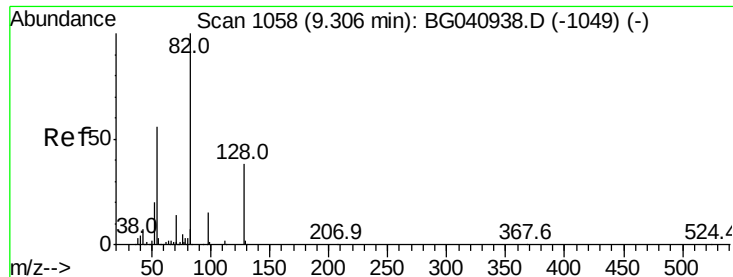
Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.893 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

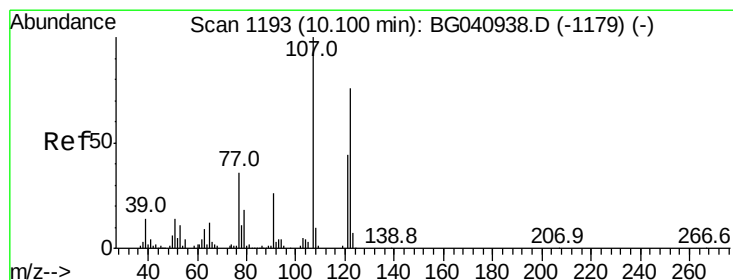
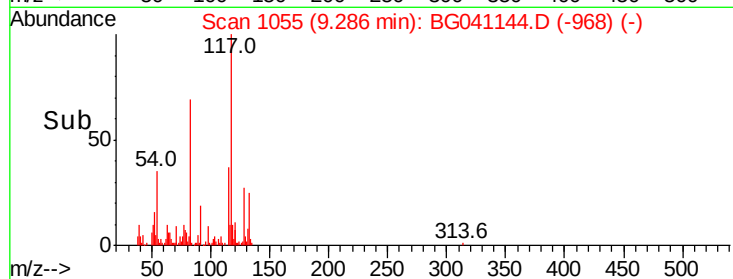
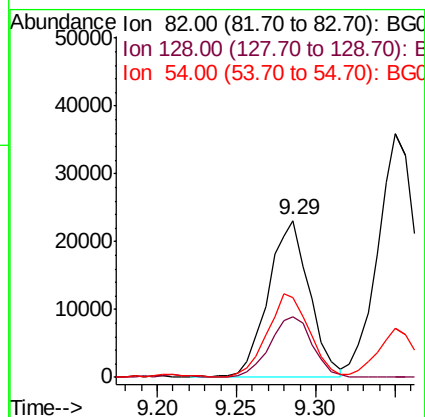
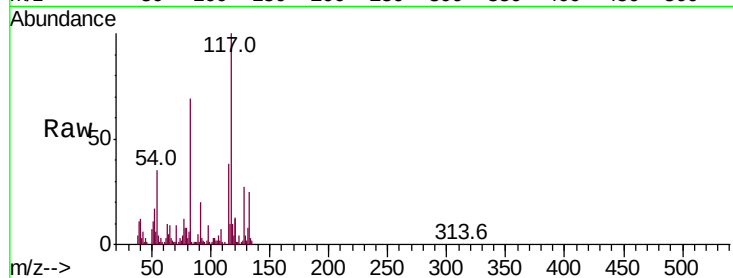
Tot Ion: 82 Resp: 41965

Ion Ratio Lower Upper

82 100

128 38.3 30.5 45.7

54 51.1 44.6 66.8



#27

2,4-Dimethylphenol

Concen: 286.501 ng m

RT: 10.11 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

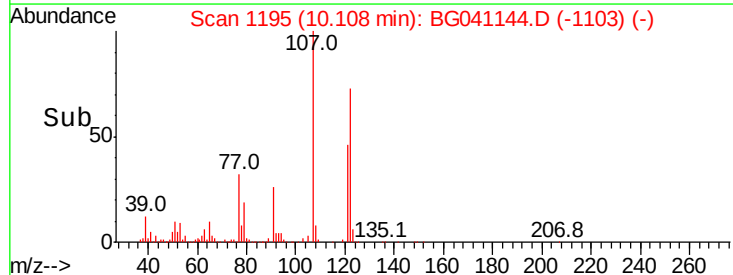
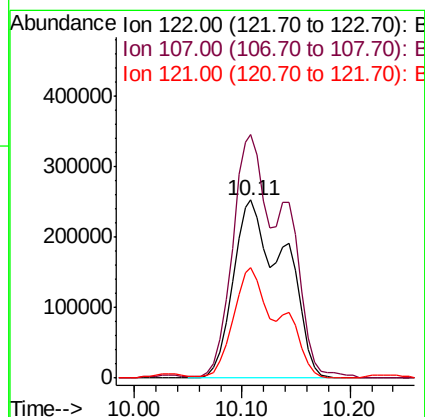
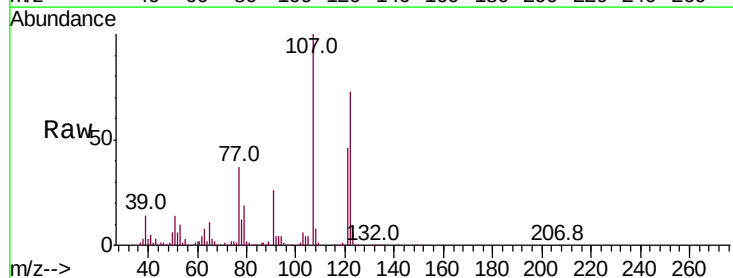
Tgt Ion: 122 Resp: 843236

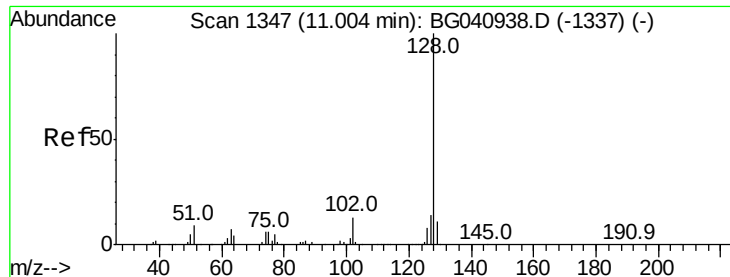
Ion Ratio Lower Upper

122 100

107 136.9 105.9 158.9

121 62.4 46.2 69.4

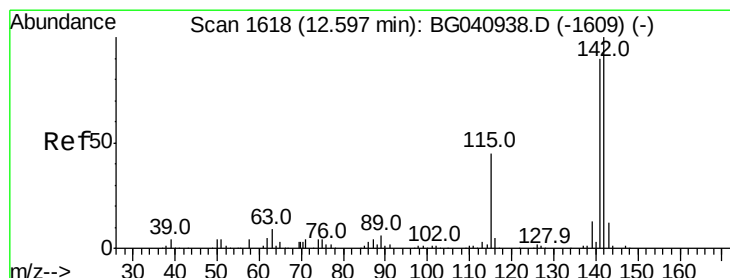
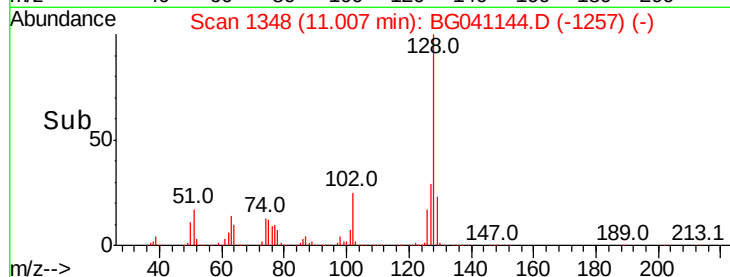
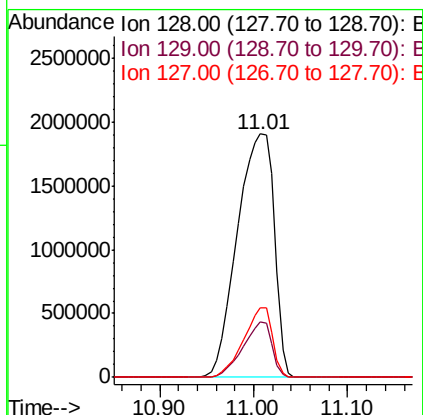
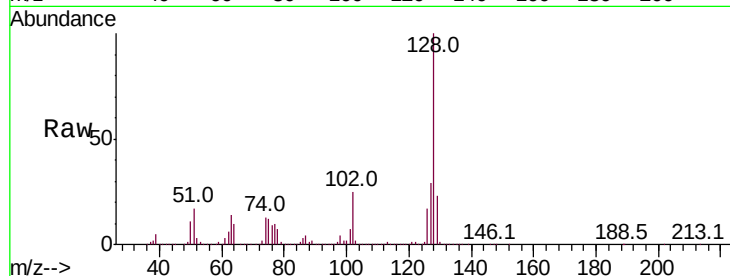




#31
Naphthalene
Concen: 512.722 ng
RT: 11.01 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BG041144.D
Acq: 8 Jun 2019 21:51

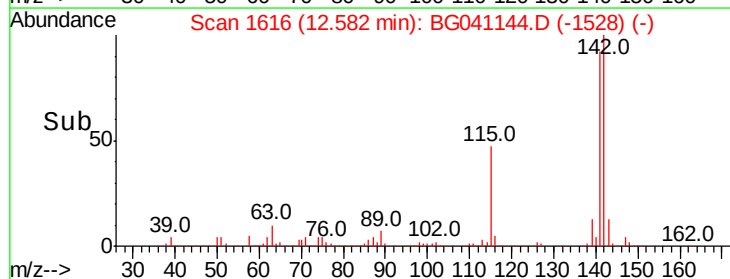
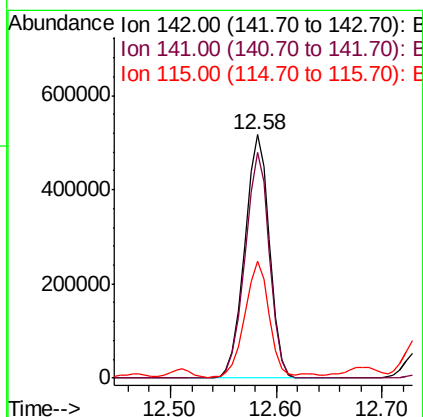
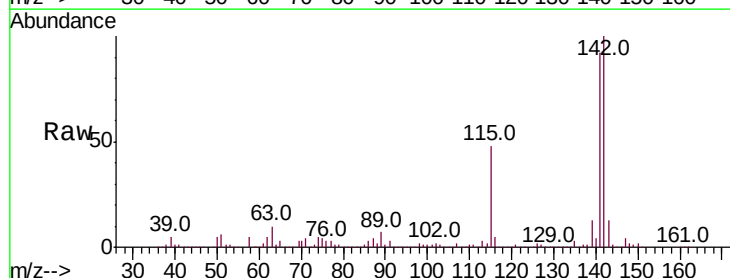
Instrument :
BNA_G
ClientSampleId :
MW-1ADL

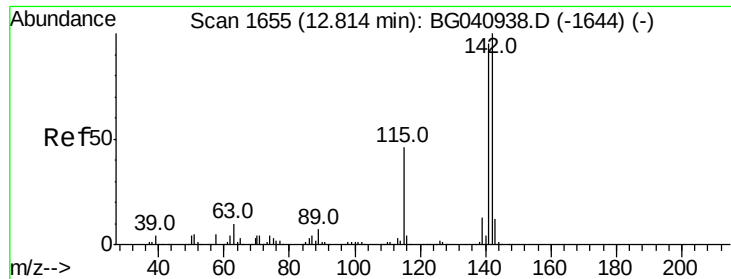
Tot Ion:128 Resp: 5183928
Ion Ratio Lower Upper
128 100
129 22.8 8.5 12.7#
127 28.8 11.4 17.2#



#37
2-Methylnaphthalene
Concen: 107.689 ng
RT: 12.58 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BG041144.D
Acq: 8 Jun 2019 21:51

Tgt Ion:142 Resp: 838572
Ion Ratio Lower Upper
142 100
141 92.5 72.2 108.4
115 47.8 36.2 54.4

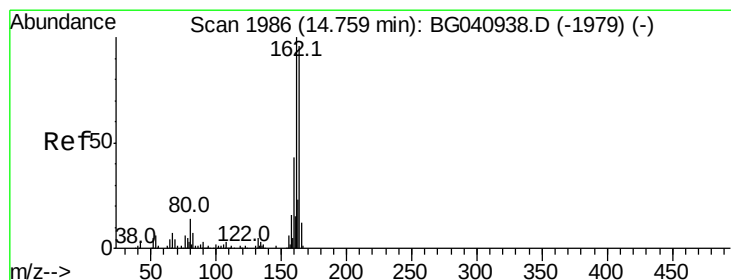
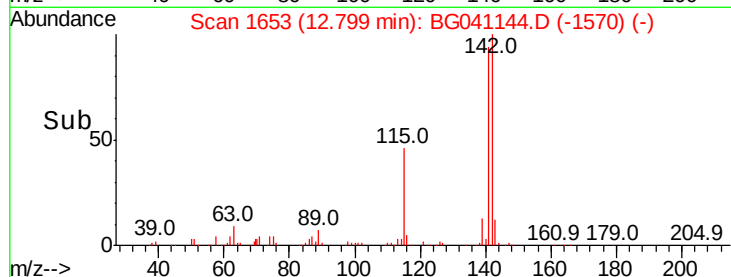
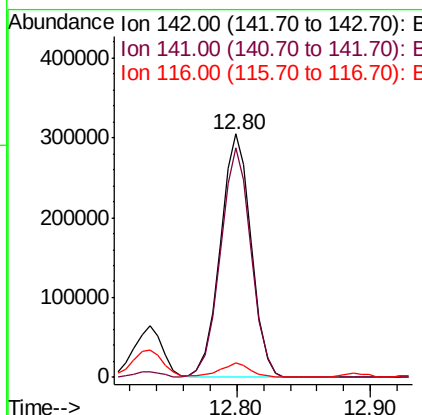
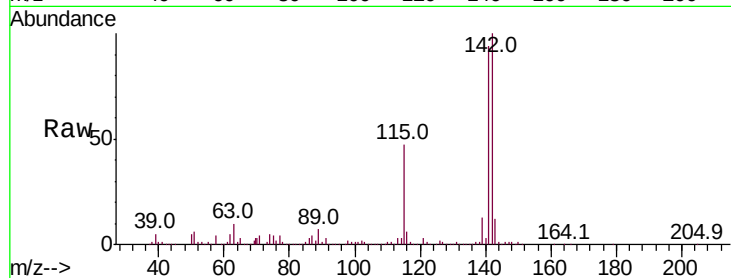




#38
 1-Methylnaphthalene
 Concen: 67.024 ng
 RT: 12.80 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

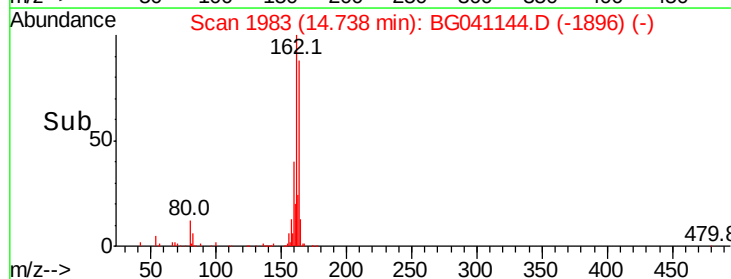
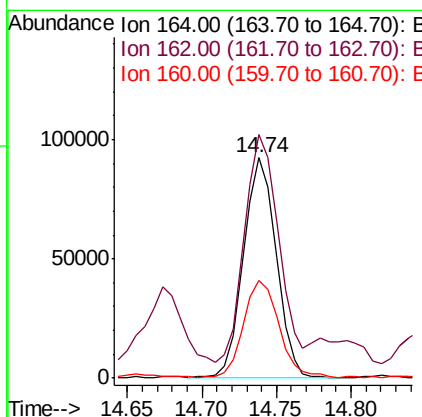
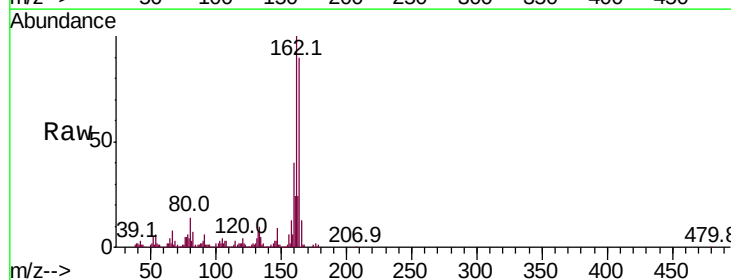
Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

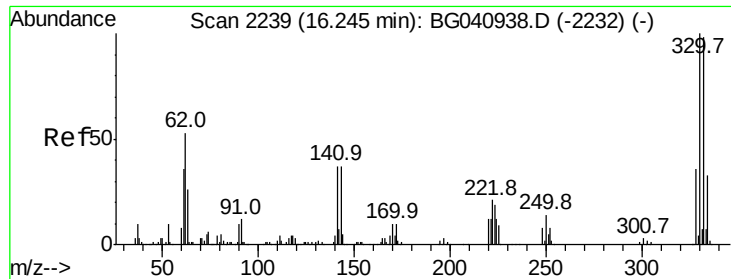
Tot Ion:142 Resp: 491823
 Ion Ratio Lower Upper
 142 100
 141 94.1 75.7 113.5
 116 5.8 3.4 5.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.02 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

Tgt Ion:164 Resp: 138922
 Ion Ratio Lower Upper
 164 100
 162 110.5 83.0 124.4
 160 44.3 35.6 53.4

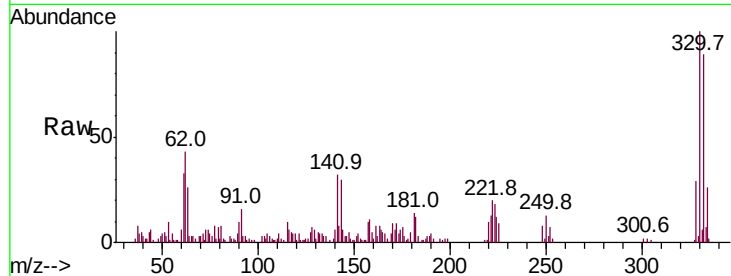




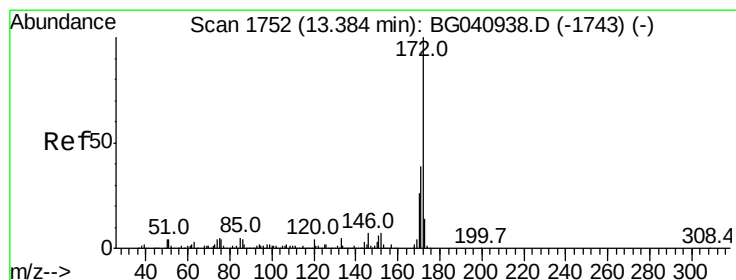
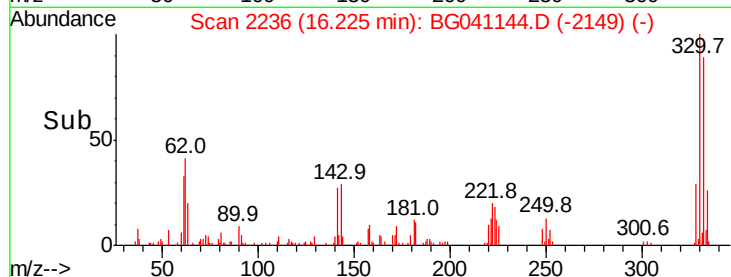
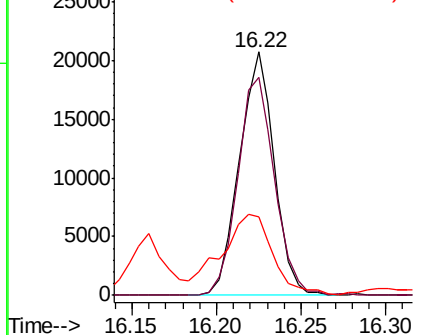
#42
 2,4,6-Tribromophenol
 Concen: 14.381 ng
 RT: 16.22 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

Tot Ion:330 Resp: 29659
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.5 117.7
 141 49.7 28.7 43.1#

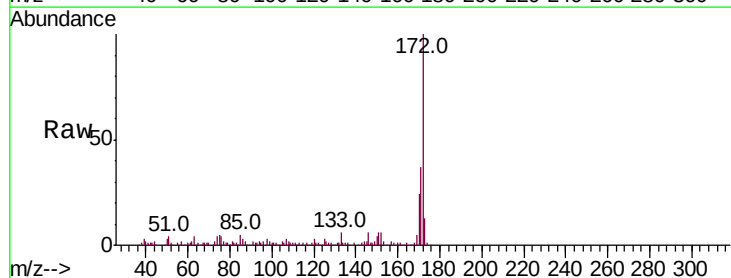


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

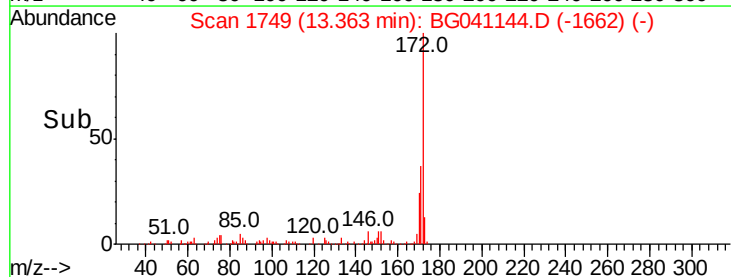
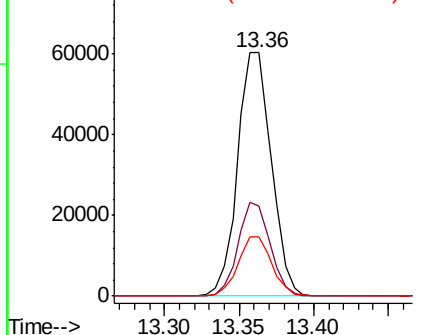


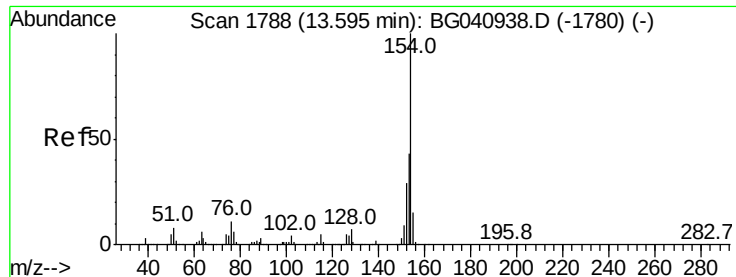
#45
 2-Fluorobiphenyl
 Concen: 9.819 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

Tgt Ion:172 Resp: 94716
 Ion Ratio Lower Upper
 172 100
 171 36.8 31.1 46.7
 170 24.4 20.5 30.7



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





#46

1,1'-Biphenyl

Concen: 11.627 ng

RT: 13.57 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

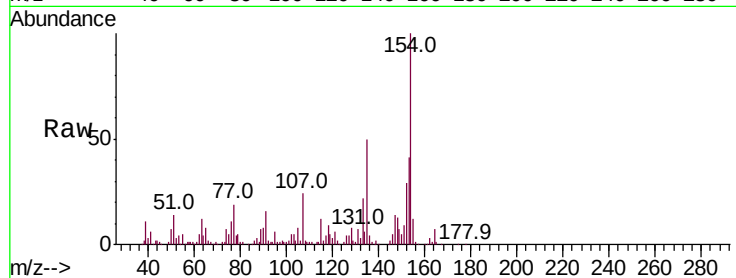
Tot Ion:154 Resp: 119567

Ion Ratio Lower Upper

154 100

153 41.2 23.3 63.3

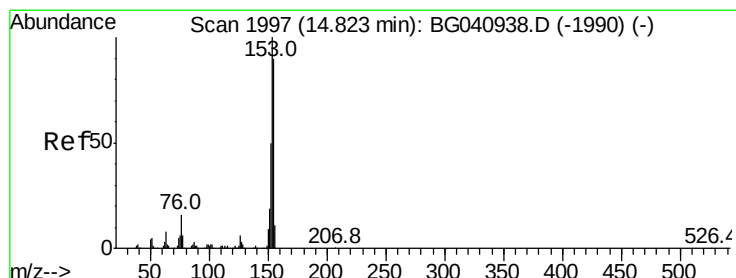
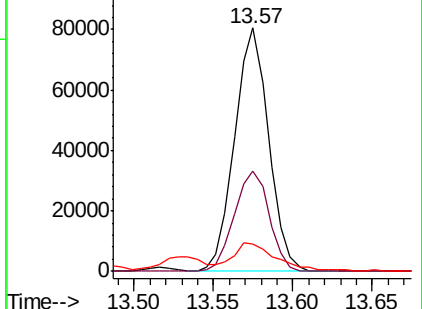
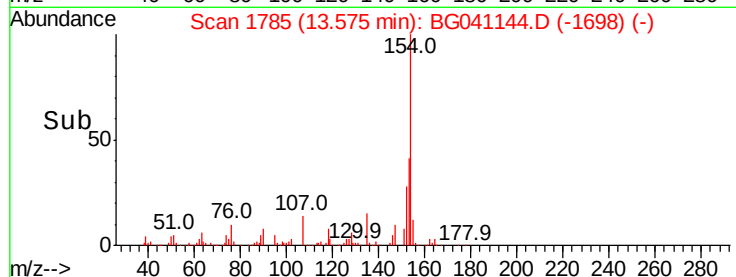
76 11.2 0.0 31.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#52

Acenaphthene

Concen: 13.905 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

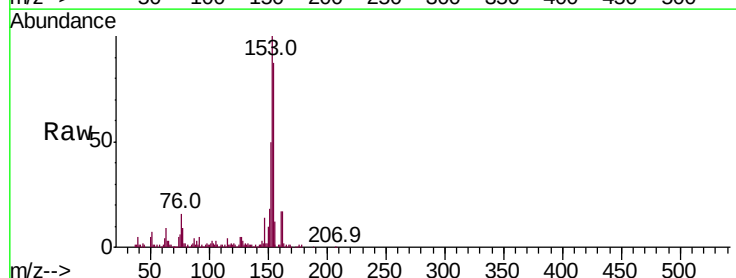
Tgt Ion:154 Resp: 111922

Ion Ratio Lower Upper

154 100

153 115.5 88.6 133.0

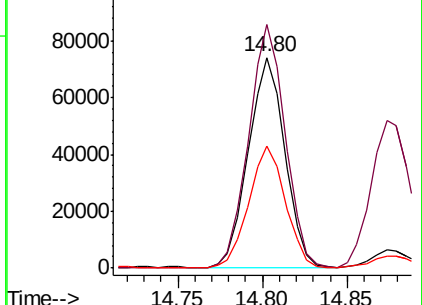
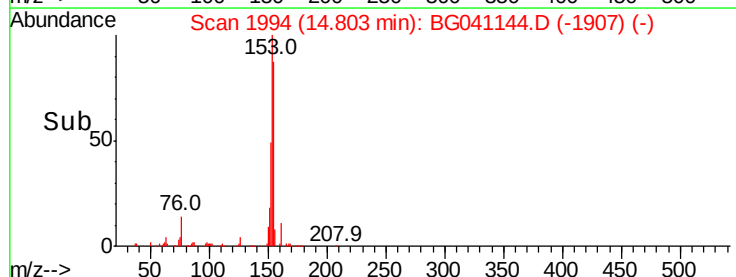
152 57.9 44.2 66.4

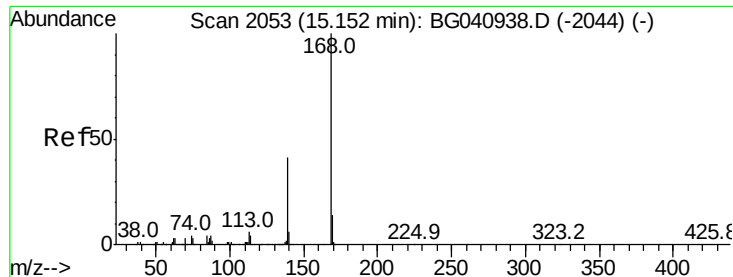


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 10.472 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

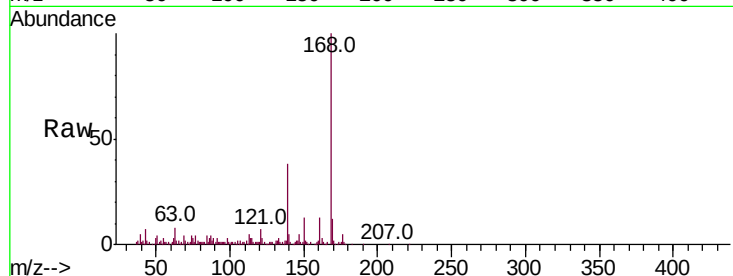
Tot Ion:168 Resp: 141830

Ion Ratio Lower Upper

168 100

139 37.9 32.8 49.2

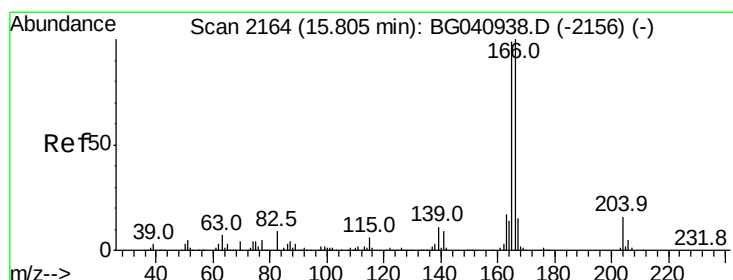
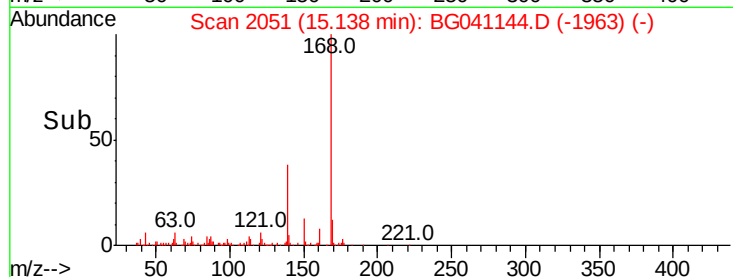
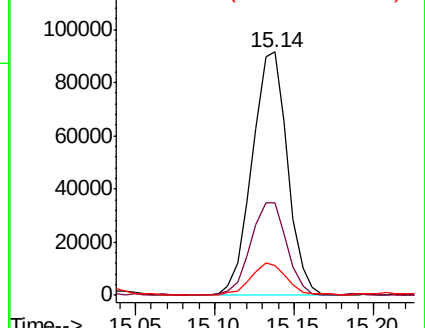
169 12.5 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 6.299 ng

RT: 15.78 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

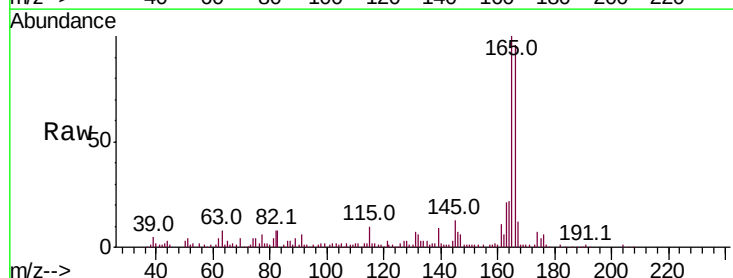
Tgt Ion:166 Resp: 67939

Ion Ratio Lower Upper

166 100

165 103.7 79.2 118.8

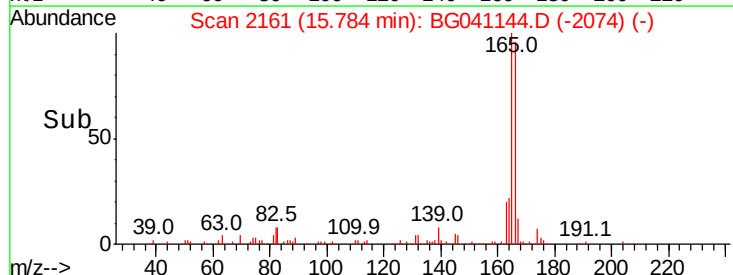
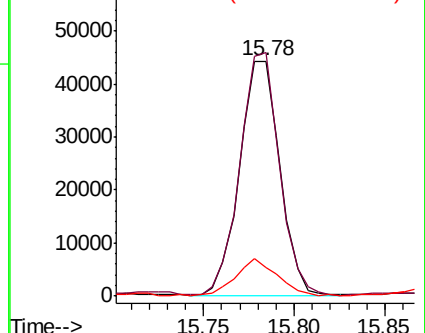
167 12.3 11.8 17.6

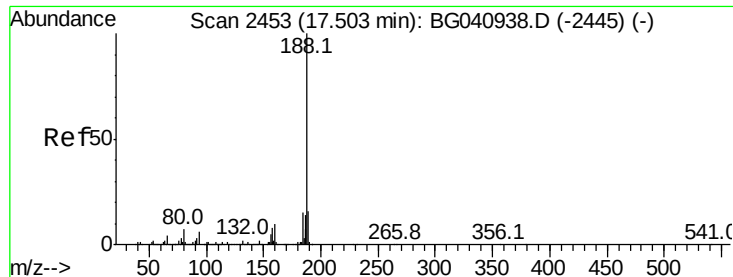


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

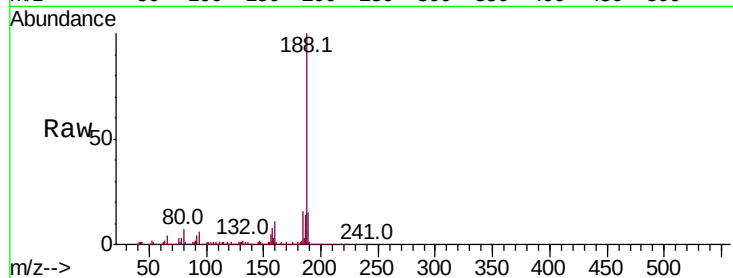
Tot Ion:188 Resp: 348003

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

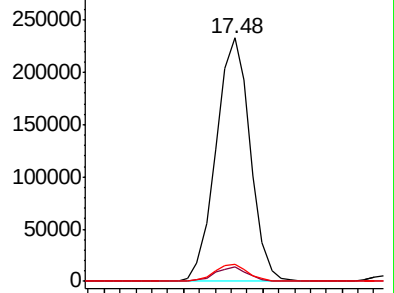
80 7.2 5.8 8.8



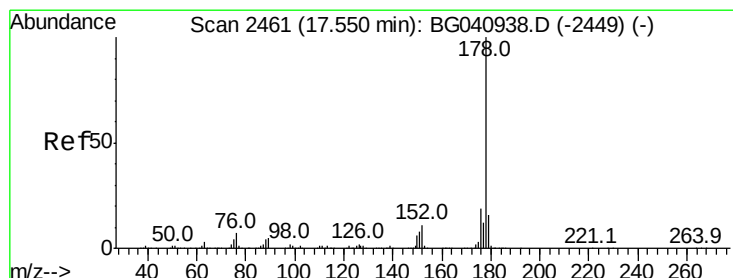
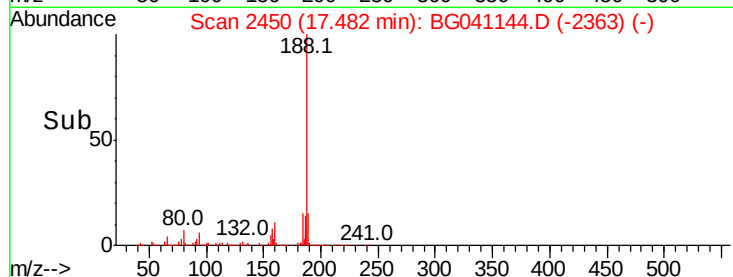
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time--> 17.40 17.45 17.50 17.55



#71

Phenanthrene

Concen: 3.179 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.03 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

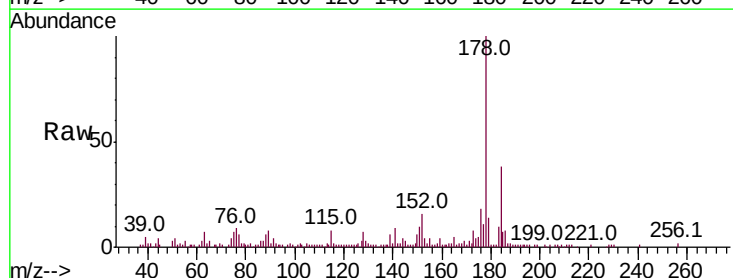
Tgt Ion:178 Resp: 57617

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

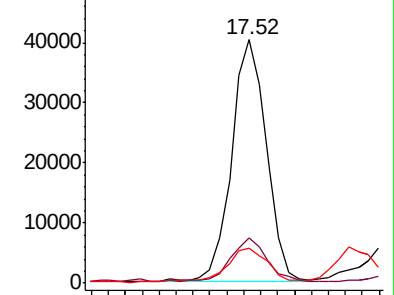
179 14.3 12.7 19.1



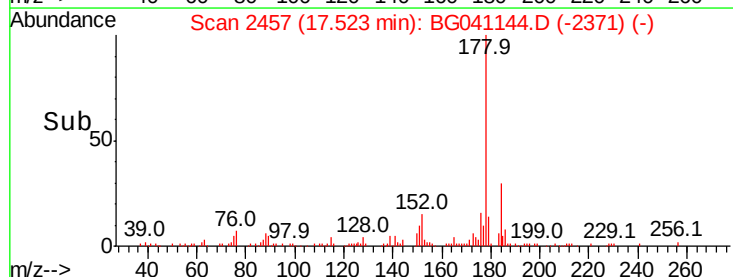
Abundance Ion 178.00 (177.70 to 178.70): E

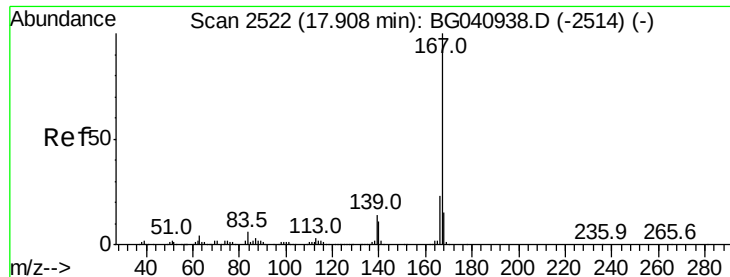
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.45 17.50 17.55

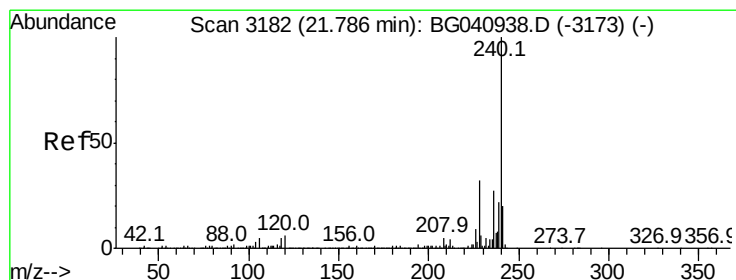
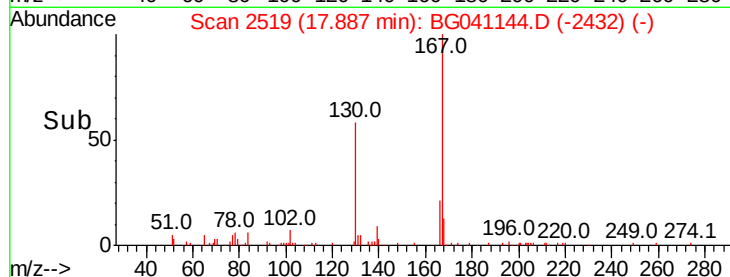
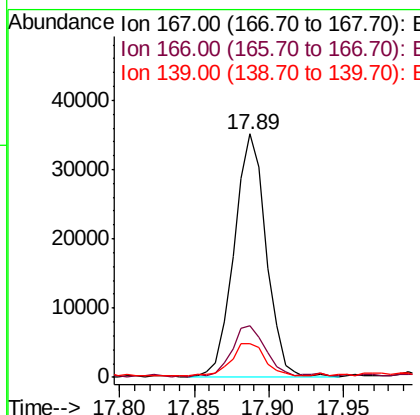
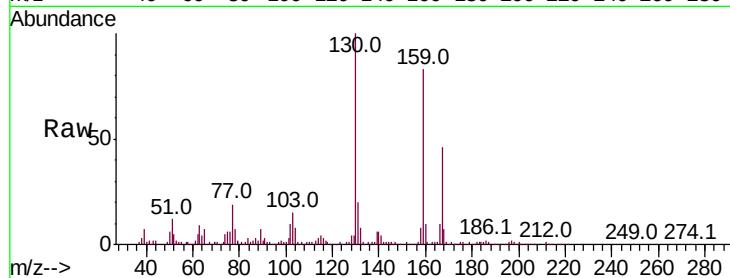




#73
 Carbazole
 Concen: 3.439 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

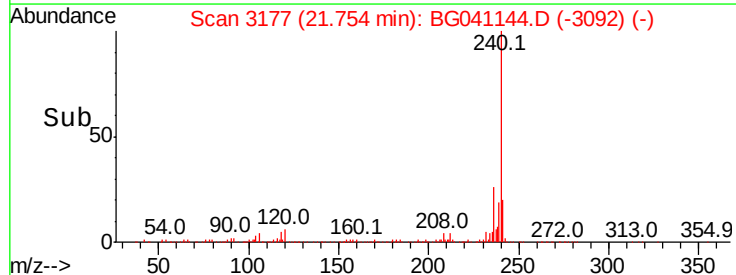
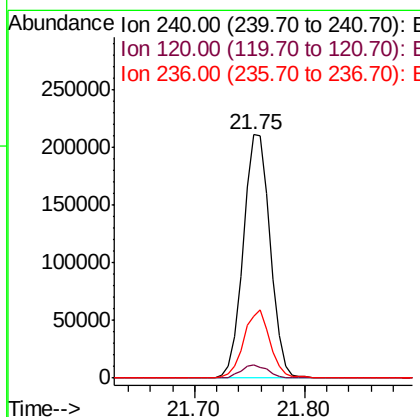
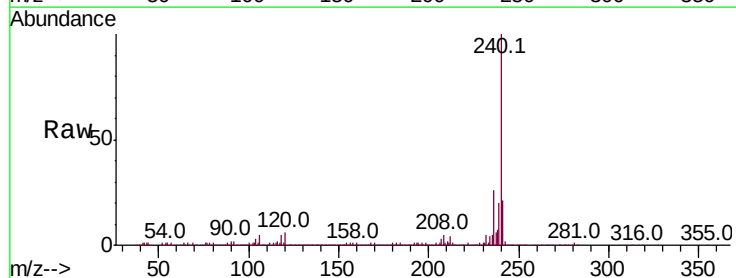
Instrument :
 BNA_G
 ClientSampleId :
 MW-1ADL

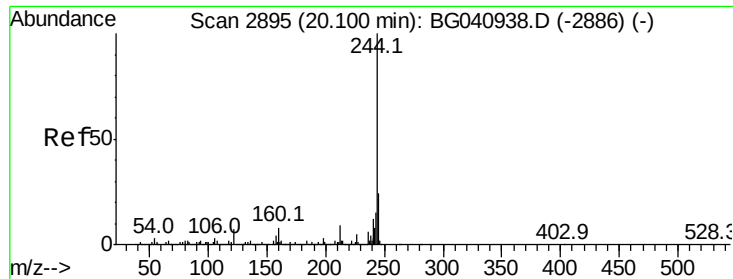
Tot Ion:167 Resp: 52761
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.2 27.4
 139 13.7 10.8 16.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.03 min
 Lab File: BG041144.D
 Acq: 8 Jun 2019 21:51

Tgt Ion:240 Resp: 362806
 Ion Ratio Lower Upper
 240 100
 120 5.7 4.5 6.7
 236 25.5 21.3 31.9





#79

Terphenyl-d14

Concen: 10.104 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Instrument :

BNA_G

ClientSampleId :

MW-1ADL

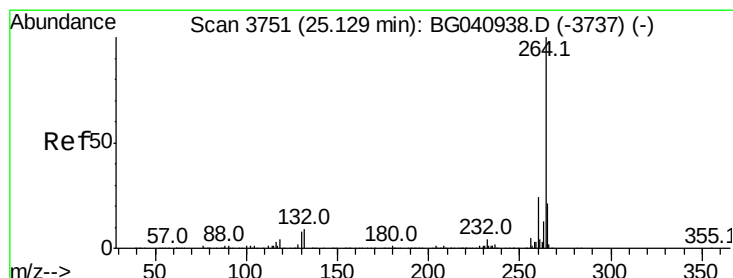
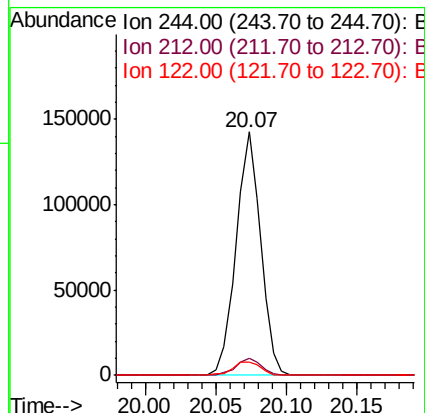
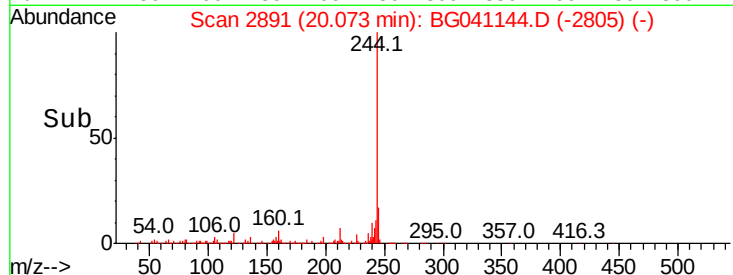
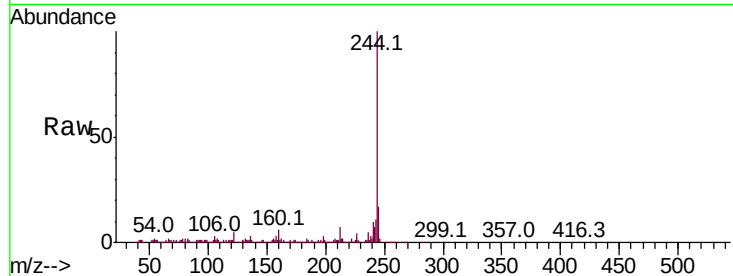
Tot Ion:244 Resp: 172732

Ion Ratio Lower Upper

244 100

212 7.2 7.0 10.4

122 5.3 5.4 8.0#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041144.D

Acq: 8 Jun 2019 21:51

Tgt Ion:264 Resp: 397138

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 20.0 17.0 25.4

