

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041107.D
 Acq On : 7 Jun 2019 18:35
 Operator : HP/JU
 Sample : K3223-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KY024MW068-190605

Quant Time: Jun 08 07:00:37 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

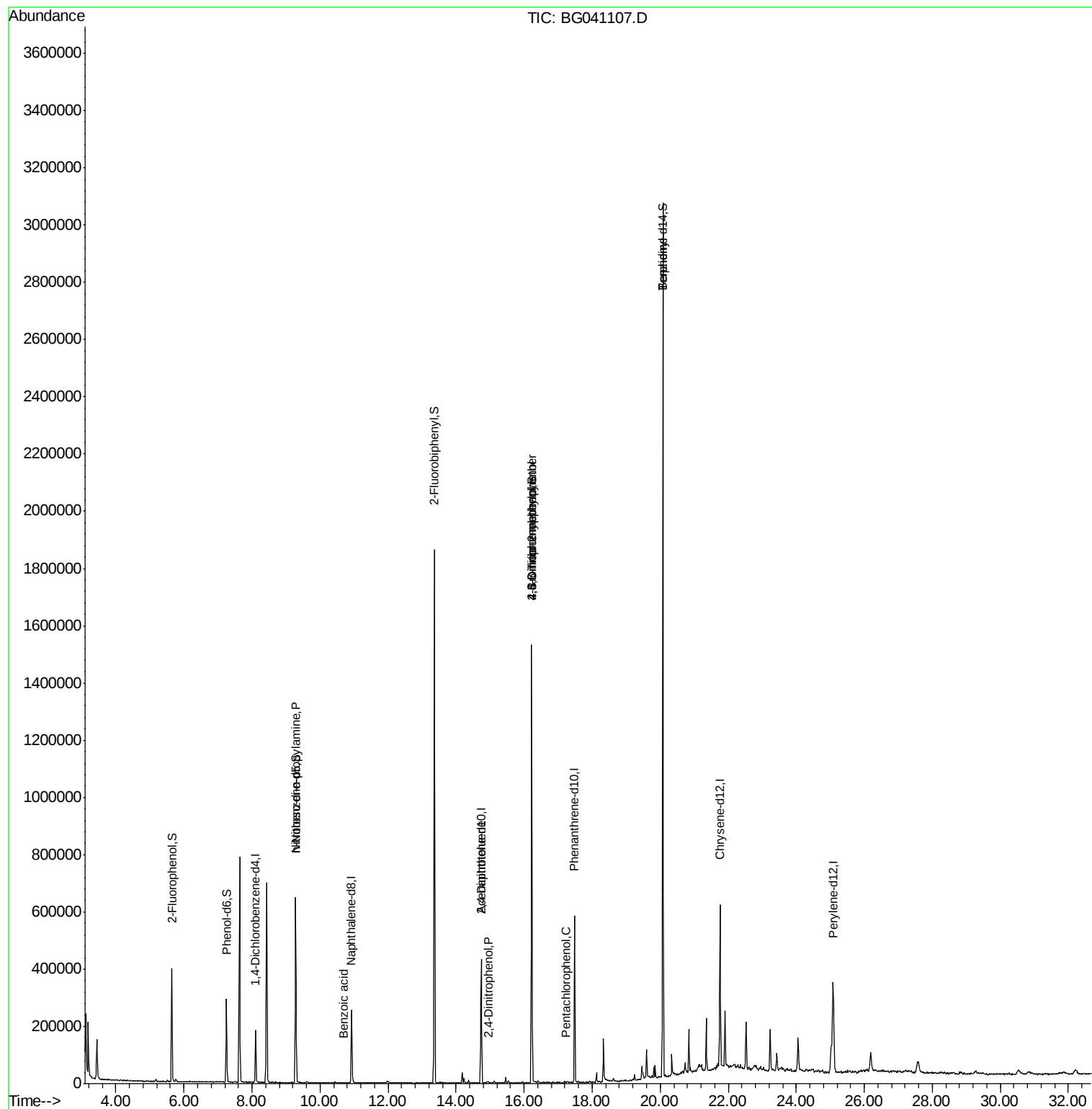
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	49438	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	205882	20.00	ng	-0.03
39) Acenaphthene-d10	14.74	164	150308	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	354112	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	343997	20.00	ng	-0.03
87) Perylene-d12	25.08	264	360418	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	160591	58.57	ng	-0.01
7) Phenol-d6	7.25	99	154236	36.43	ng	-0.02
23) Nitrobenzene-d5	9.29	82	385083	83.03	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	290814	130.33	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	941960	90.25	ng	-0.03
79) Terphenyl-d14	20.08	244	1415762	87.35	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	54728	16.796	ng	# 78
32) Benzoic acid	10.69	122	57	8.149	ng	# 1
54) 2,4-Dinitrophenol	14.94	184	60	8.303	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	20078	5.181	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	868	8.965	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	21110	4.417	ng	# 1
70) Pentachlorophenol	17.24	266	55	4.275	ng	# 18
77) Benzidine	20.08	184	25624	3.123	ng	# 92

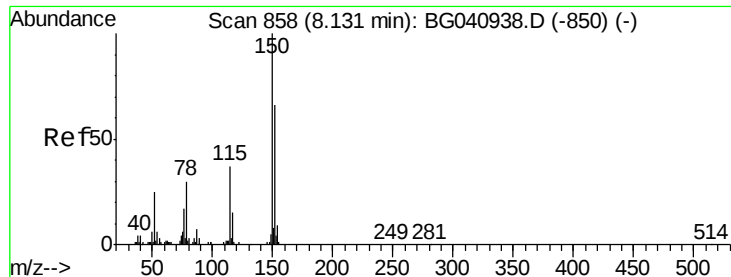
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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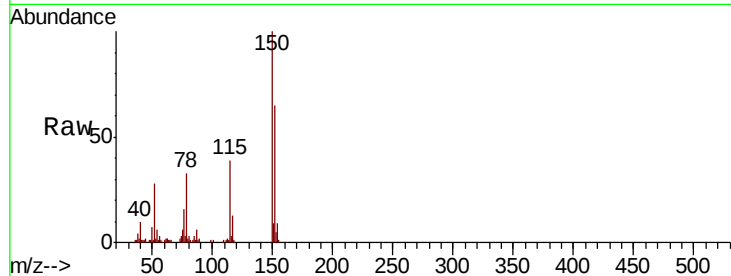


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Instrument :
BNA_G
ClientSampleId :
KY024MW068-190605

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	120.6	180.8
115	59.9	45.1	67.7

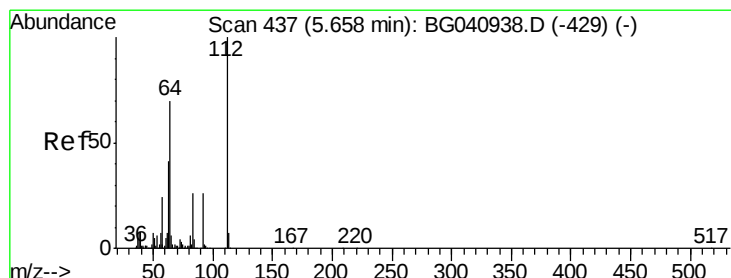
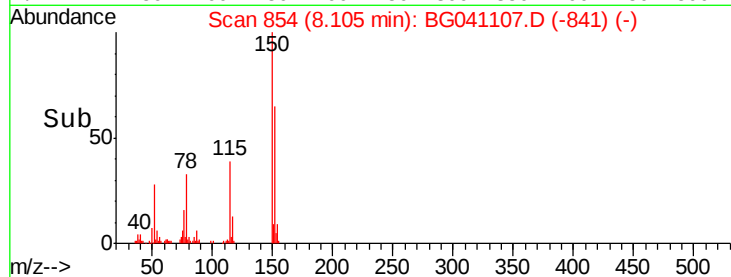
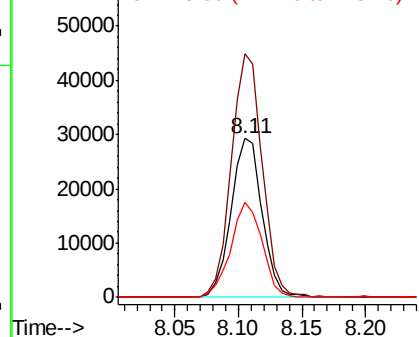


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

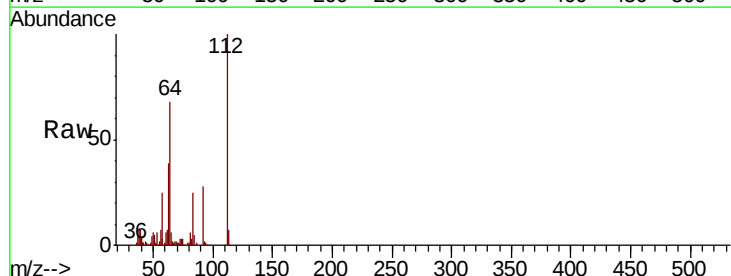
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.574 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	56.2	84.2
63	39.1	32.8	49.2

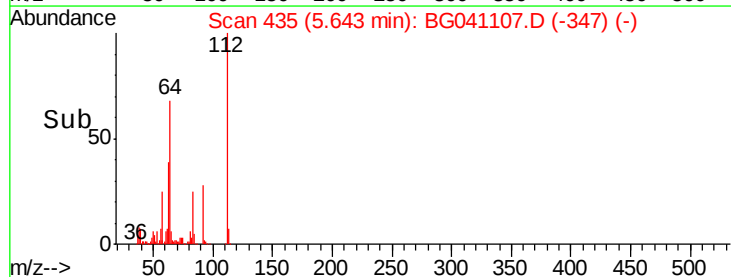
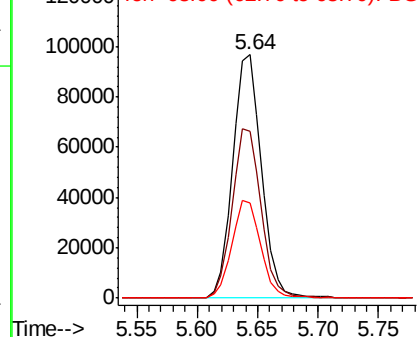


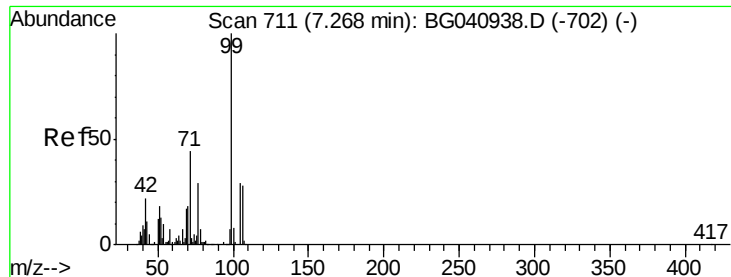
Abundance

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: 36.426 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

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KY024MW068-190605

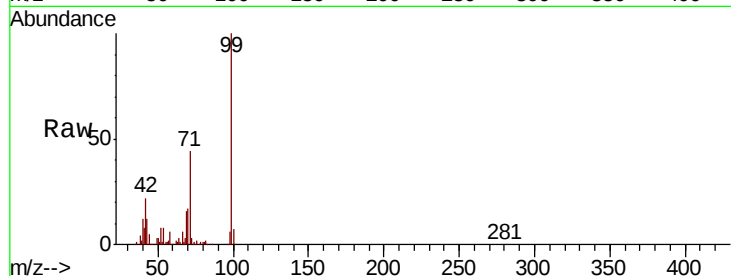
Tgt Ion: 99 Resp: 154236

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

71 43.6 35.4 53.0

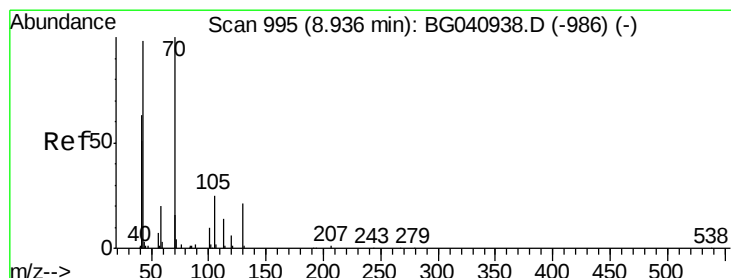
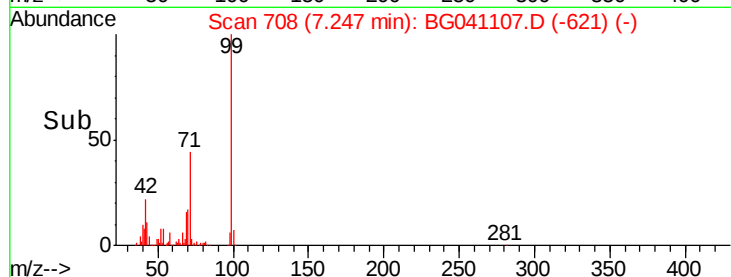
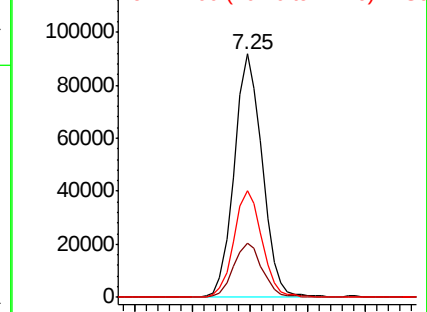


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 16.796 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Tgt Ion: 70 Resp: 54728

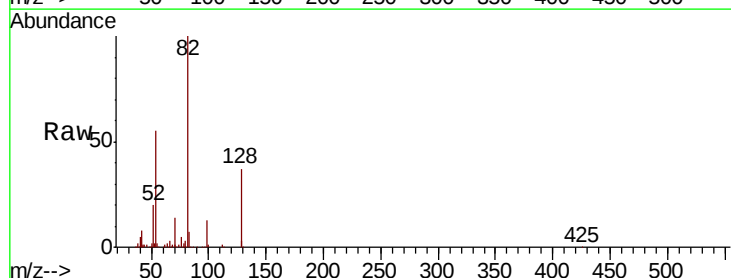
Ion Ratio Lower Upper

70 100

42 52.8 51.5 77.3

101 0.0 8.1 12.1#

130 0.9 16.6 24.8#



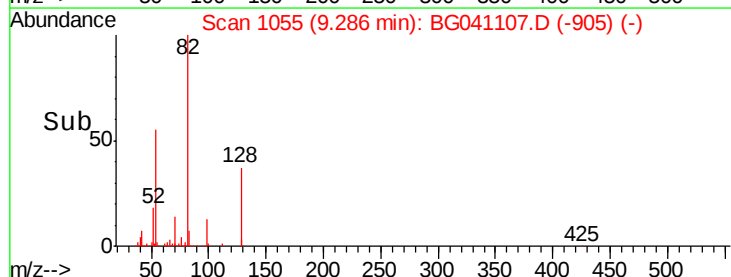
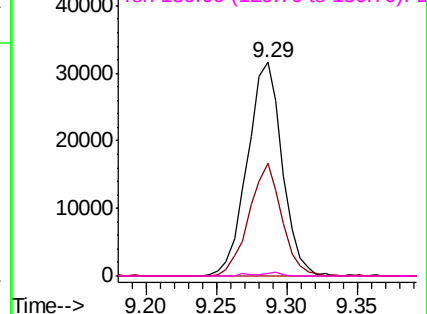
Abundance

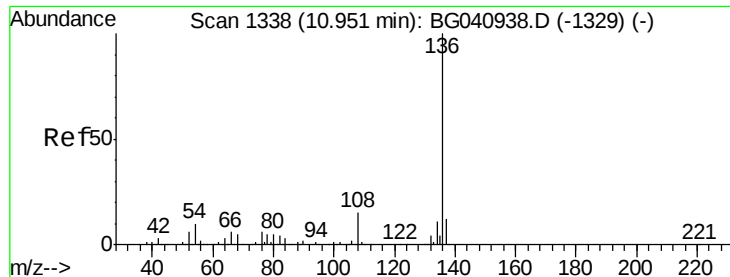
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

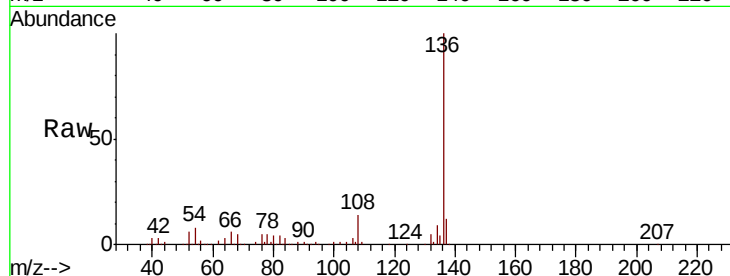




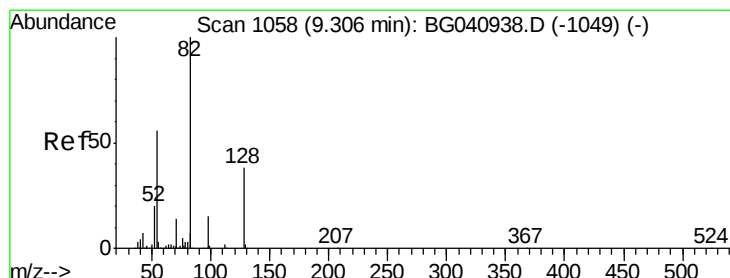
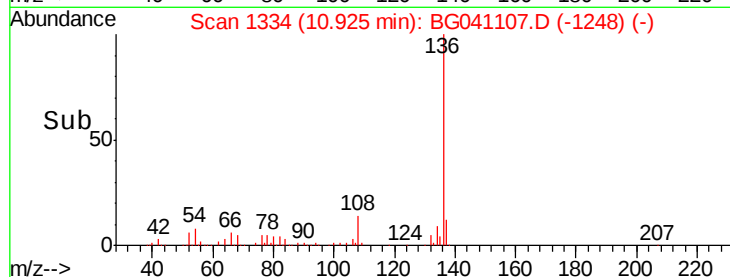
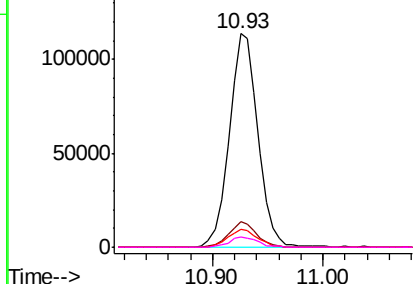
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Instrument :
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KY024MW068-190605

Tgt Ion:	136	Resp:	205882
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.5	14.3
54	8.3	7.6	11.4
68	5.0	3.9	5.9

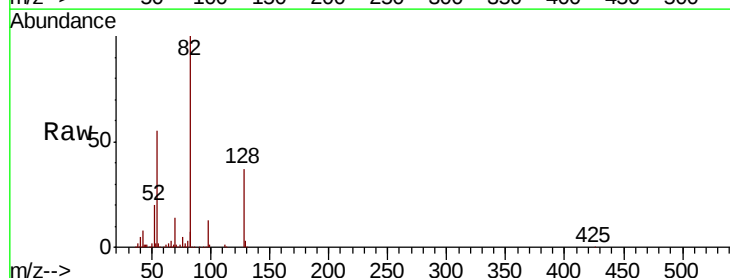


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

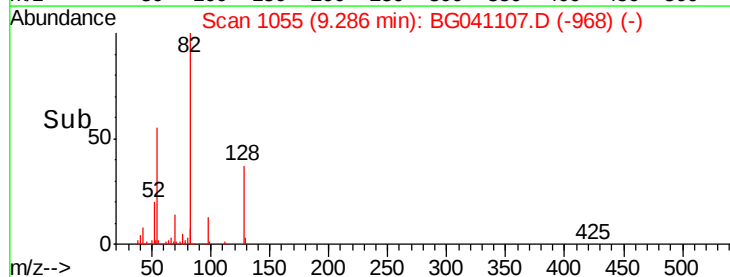
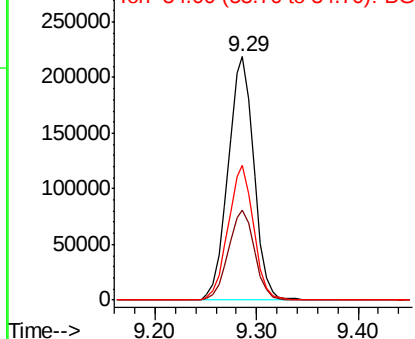


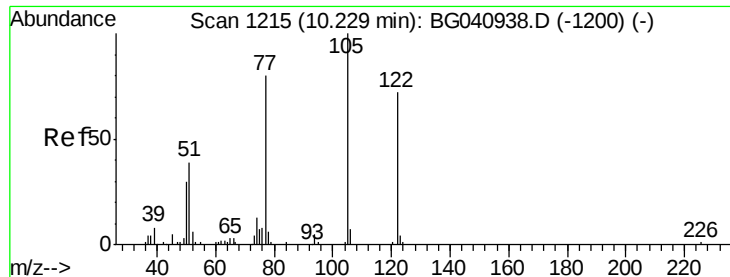
#23
Nitrobenzene-d5
Concen: 83.034 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Tgt Ion:	82	Resp:	385083
Ion Ratio	Lower	Upper	
82	100		
128	36.8	30.5	45.7
54	55.1	44.6	66.8



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





#32

Benzoic acid

Concen: 8.149 ng

RT: 10.69 min Scan# 1294

Delta R.T. 0.46 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

ClientSampleId :

KY024MW068-190605

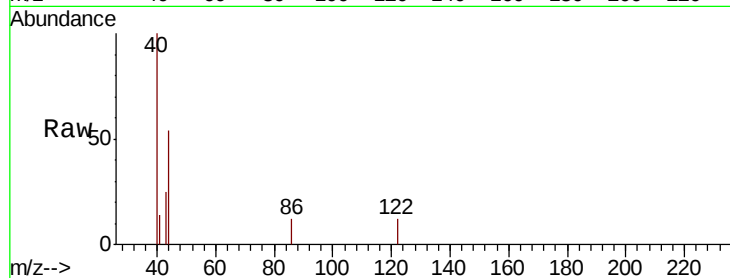
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

77 0.0 89.9 129.9#

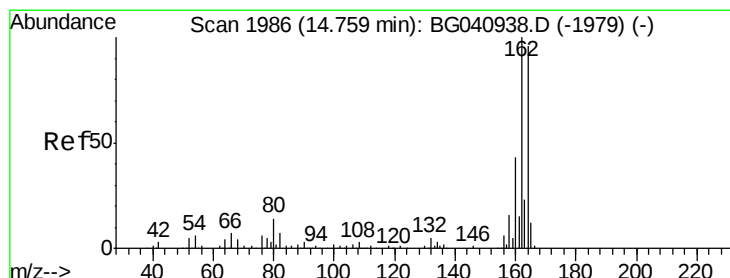
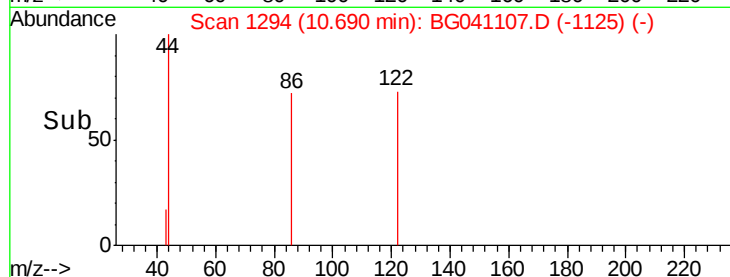
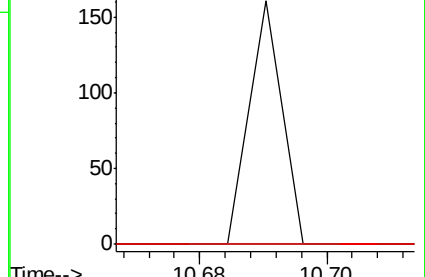


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.69



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

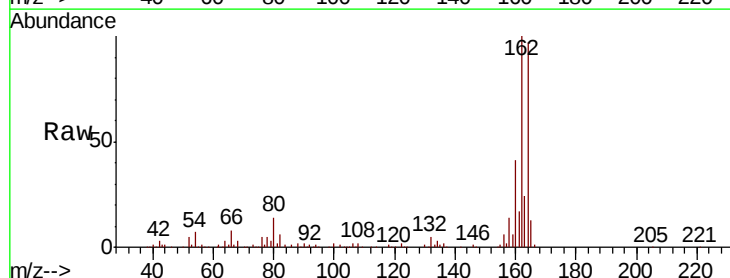
Tgt Ion:164 Resp: 150308

Ion Ratio Lower Upper

164 100

162 102.6 83.0 124.4

160 42.2 35.6 53.4

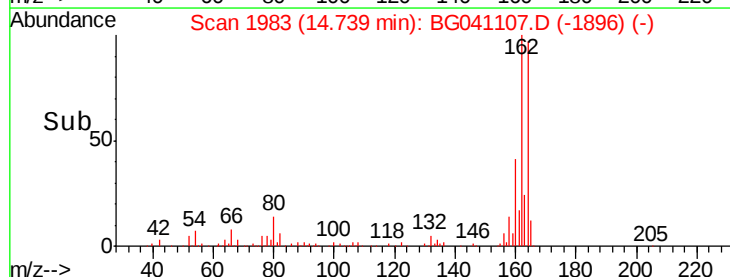
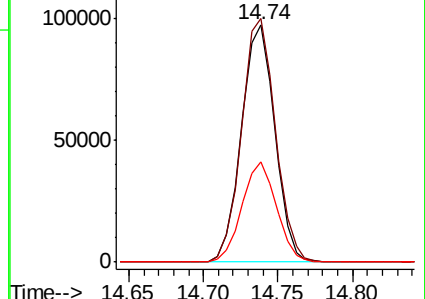


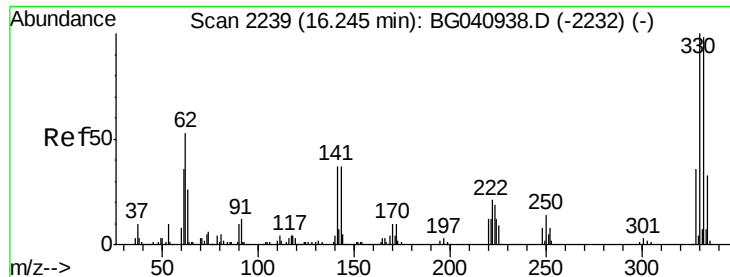
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.74

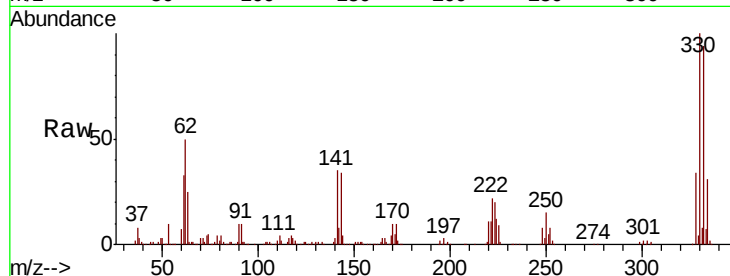




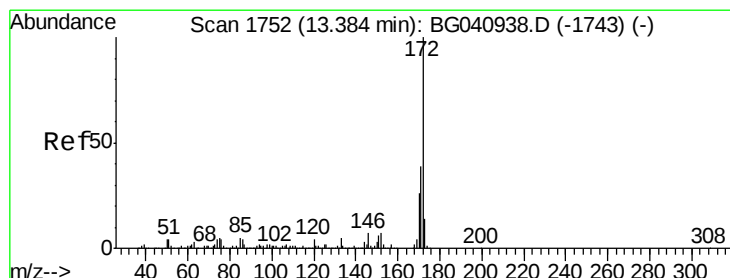
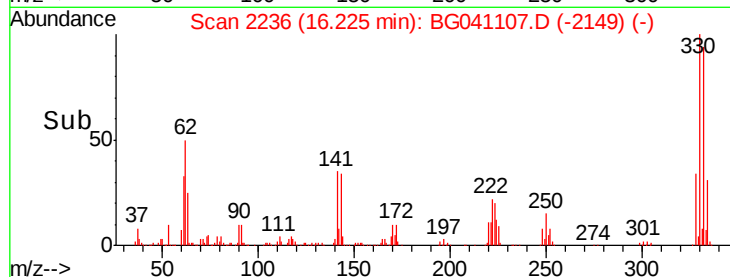
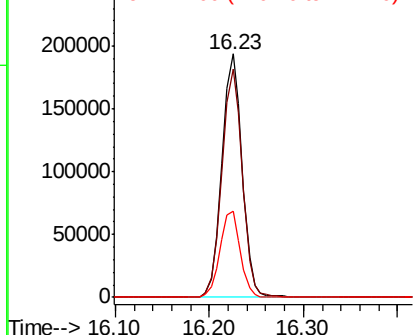
#42
 2,4,6-Tribromophenol
 Concen: 130.326 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041107.D
 Acq: 7 Jun 2019 18:35

Instrument :
 BNA_G
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 KY024MW068-190605

Tgt Ion:330 Resp: 290814
 Ion Ratio Lower Upper
 330 100
 332 94.5 78.5 117.7
 141 35.4 28.7 43.1

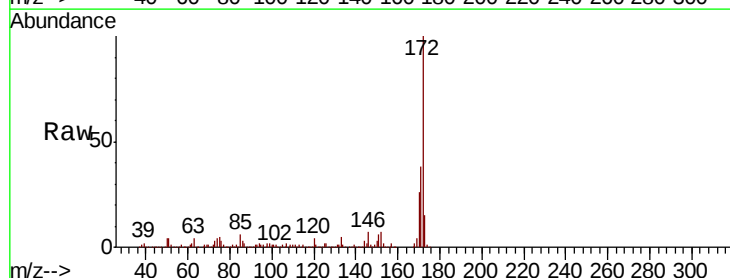


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

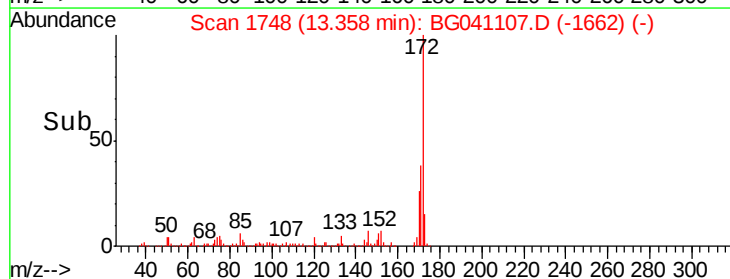
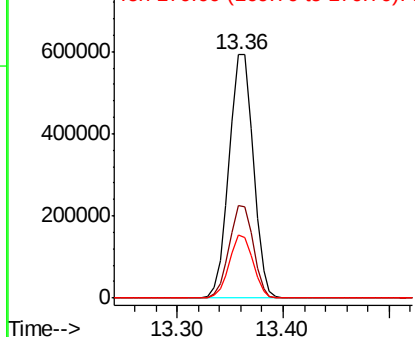


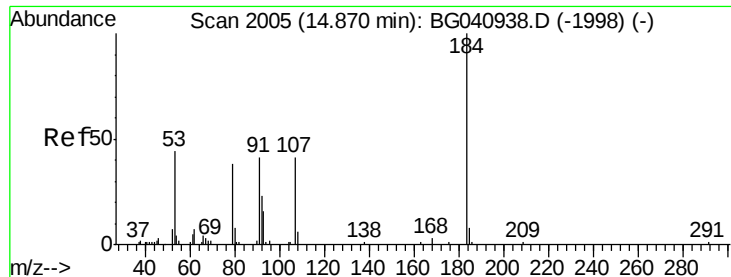
#45
 2-Fluorobiphenyl
 Concen: 90.250 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.03 min
 Lab File: BG041107.D
 Acq: 7 Jun 2019 18:35

Tgt Ion:172 Resp: 941960
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.1 46.7
 170 25.7 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

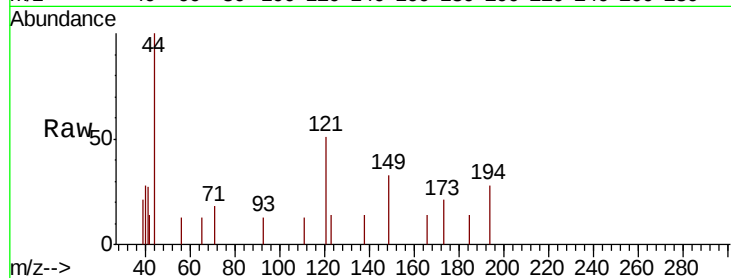




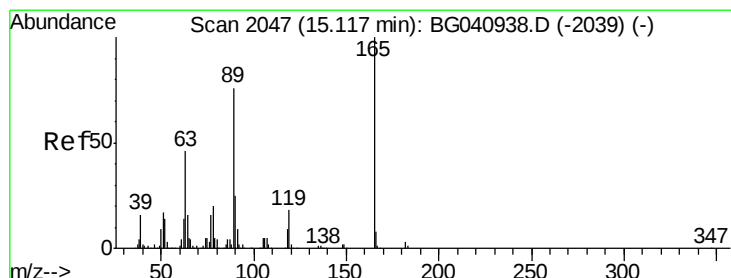
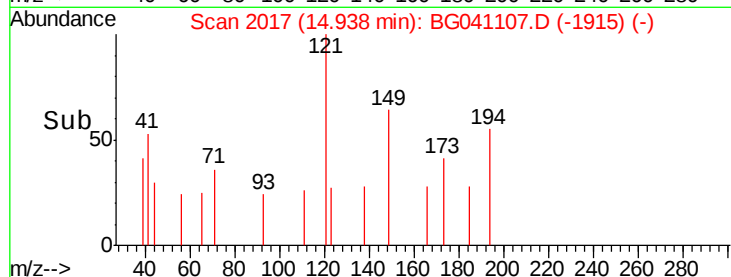
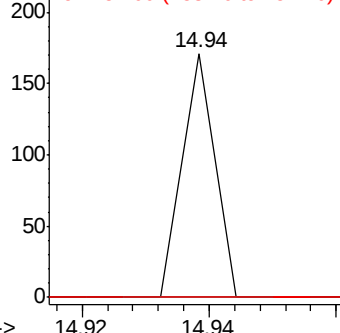
#54
2,4-Dinitrophenol
Concen: 8.303 ng
RT: 14.94 min Scan# 2017
Delta R.T. 0.07 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Instrument :
BNA_G
ClientSampleId :
KY024MW068-190605

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 0.0 52.2 78.4#

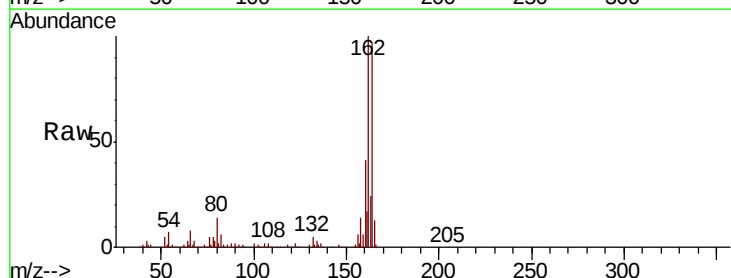


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

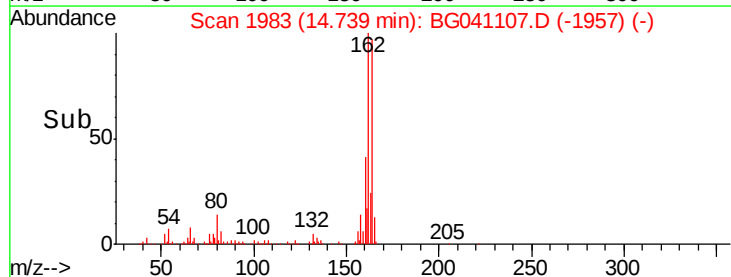
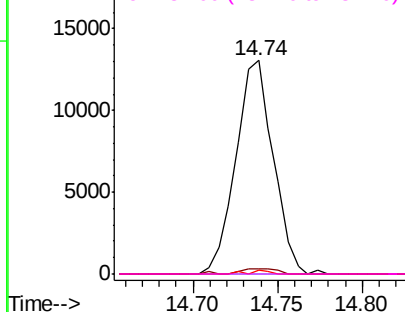


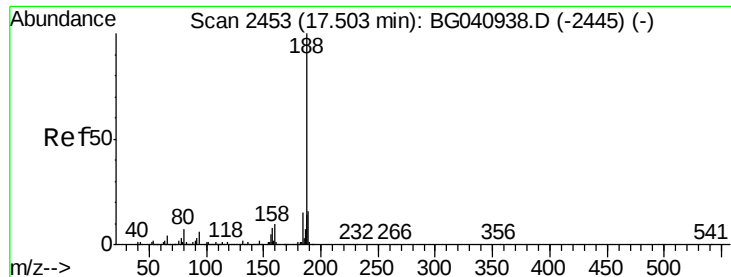
#57
2,4-Dinitrotoluene
Concen: 5.181 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.38 min
Lab File: BG041107.D
Acq: 7 Jun 2019 18:35

Tgt Ion:165 Resp: 20078
Ion Ratio Lower Upper
165 100
63 2.4 37.3 55.9#
89 2.0 61.0 91.6#
182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

ClientSampleId :

KY024MW068-190605

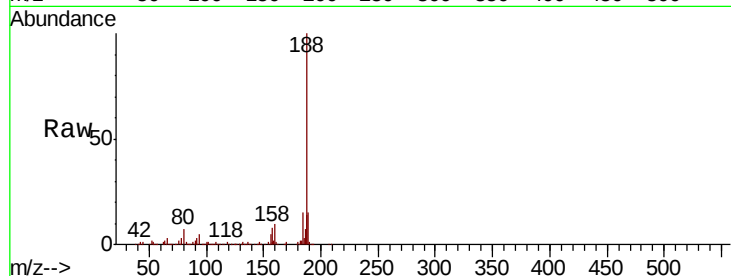
Tgt Ion:188 Resp: 354112

Ion Ratio Lower Upper

188 100

94 5.1 4.7 7.1

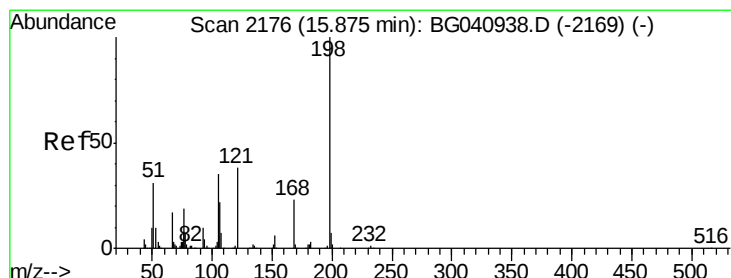
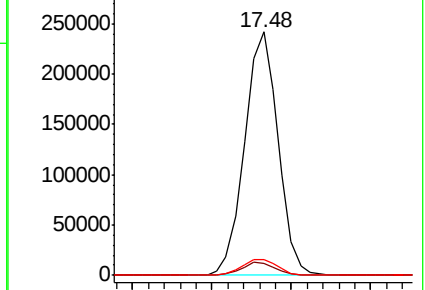
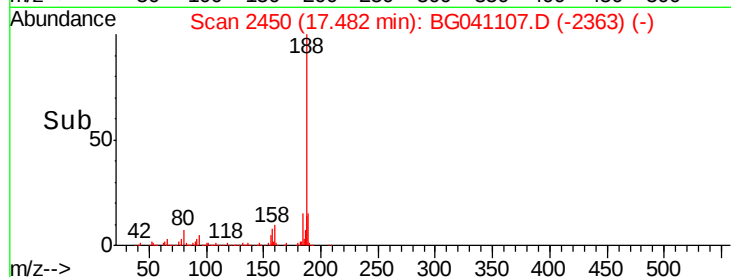
80 6.5 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.965 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.34 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

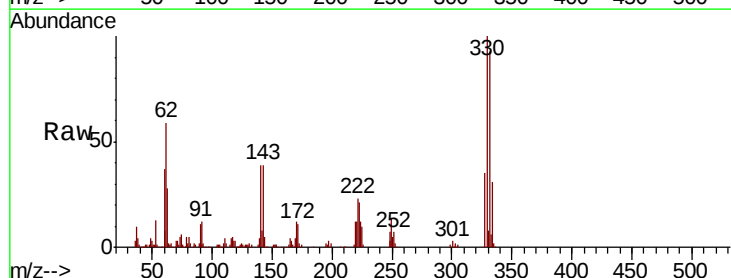
Tgt Ion:198 Resp: 868

Ion Ratio Lower Upper

198 100

51 162.1 21.6 61.6#

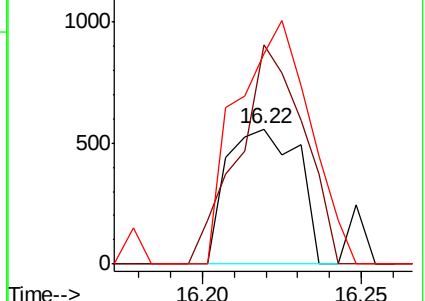
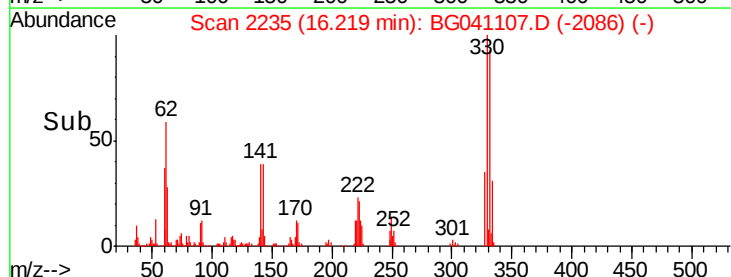
105 155.5 17.5 57.5#

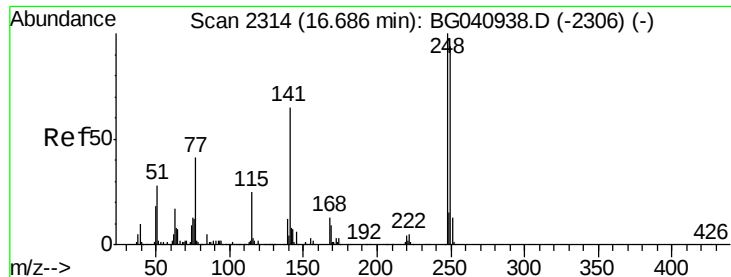


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.417 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.46 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

ClientSampleId :

KY024MW068-190605

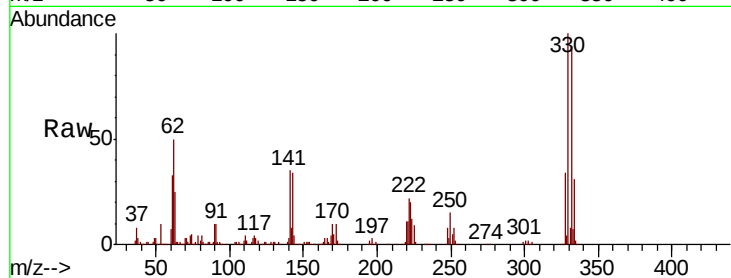
Tgt Ion:248 Resp: 21110

Ion Ratio Lower Upper

248 100

250 188.2 75.0 112.4#

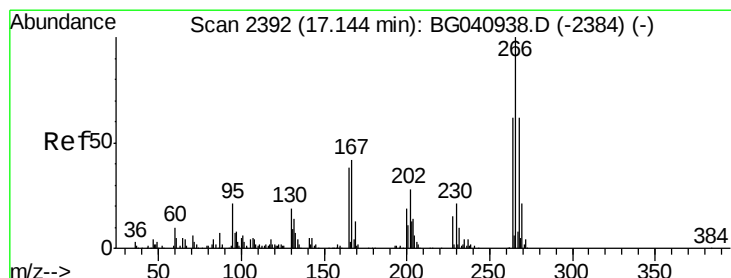
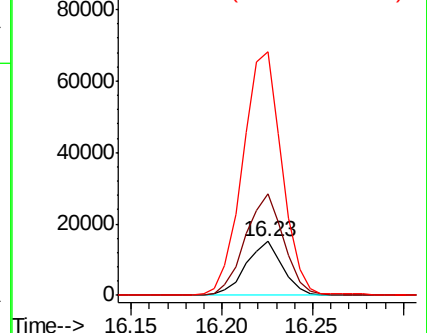
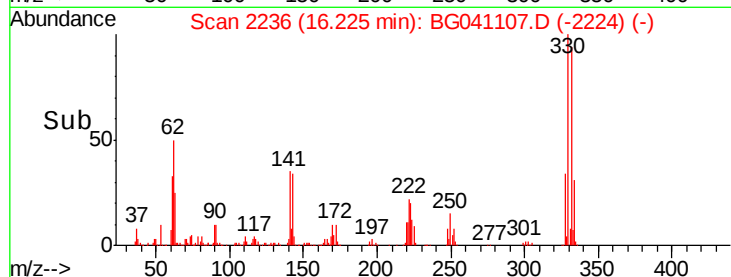
141 451.0 52.4 78.6#



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



#70

Pentachlorophenol

Concen: 4.275 ng

RT: 17.24 min Scan# 2408

Delta R.T. 0.09 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

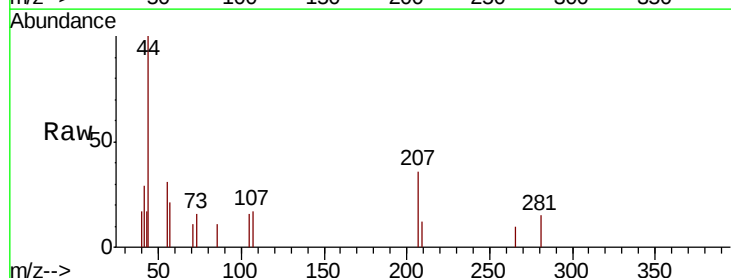
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

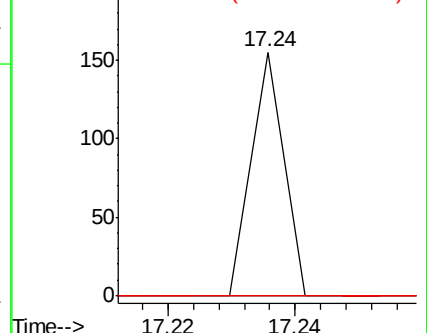
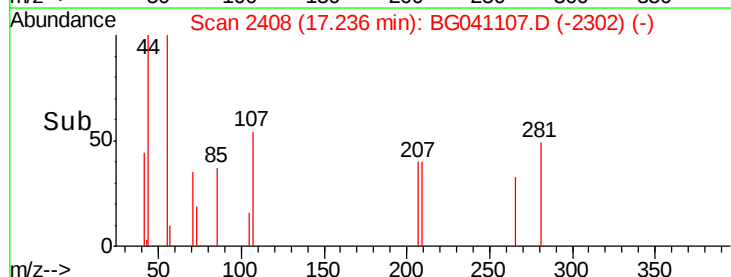
264 0.0 49.9 74.9#

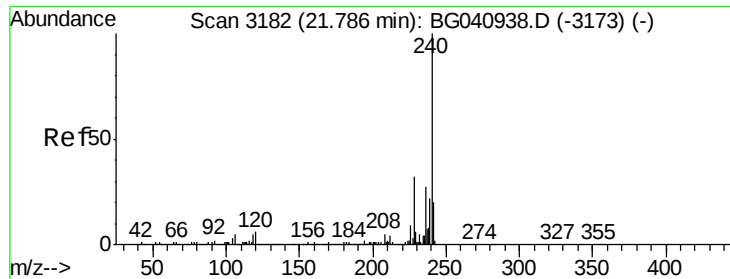


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

ClientSampleId :

KY024MW068-190605

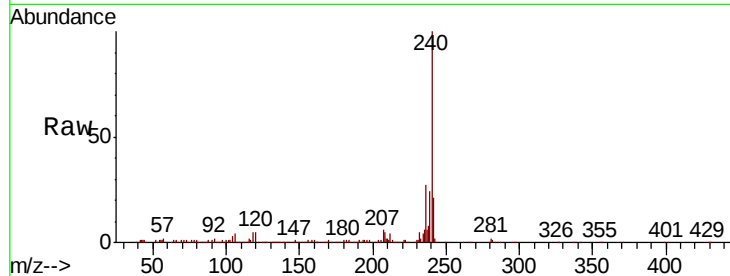
Tgt Ion:240 Resp: 343997

Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

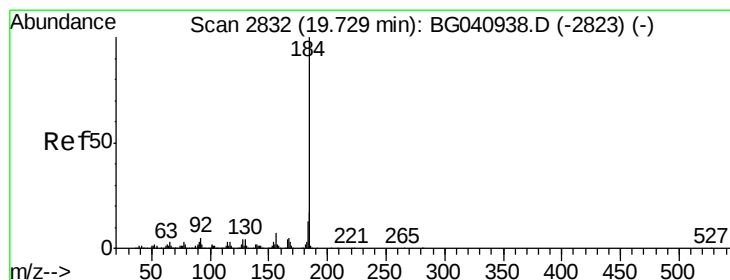
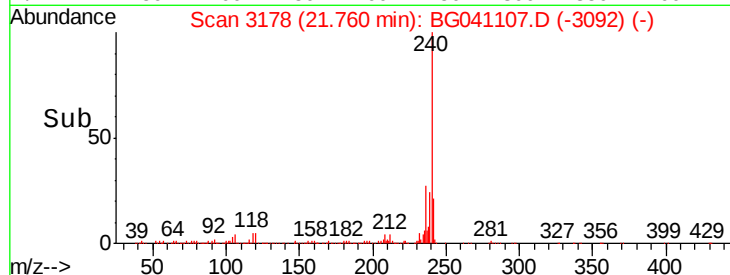
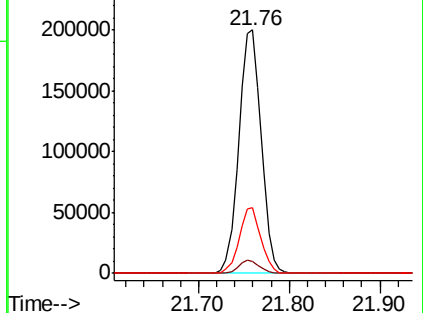
236 26.9 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 3.123 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

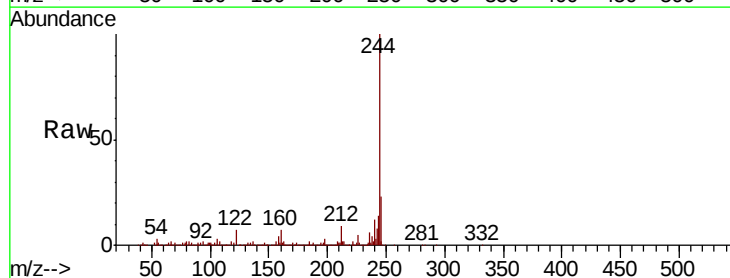
Tgt Ion:184 Resp: 25624

Ion Ratio Lower Upper

184 100

185 18.5 13.3 19.9

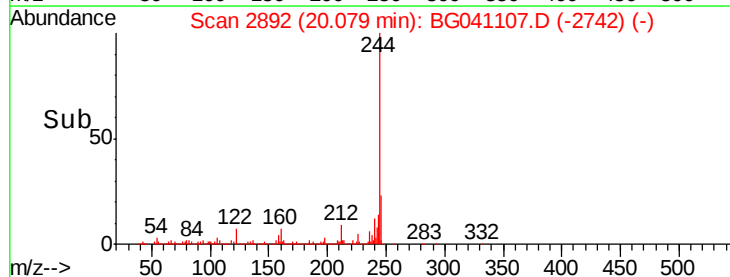
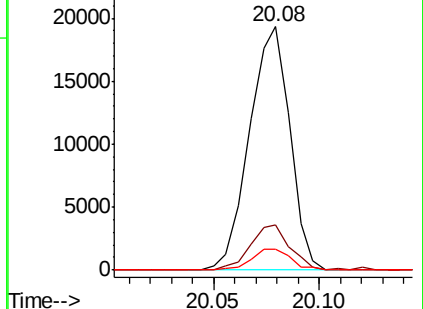
183 8.5 10.7 16.1#

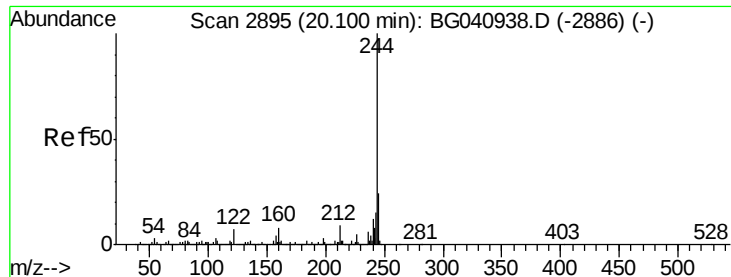


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 87.348 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

Instrument :

BNA_G

ClientSampleId :

KY024MW068-190605

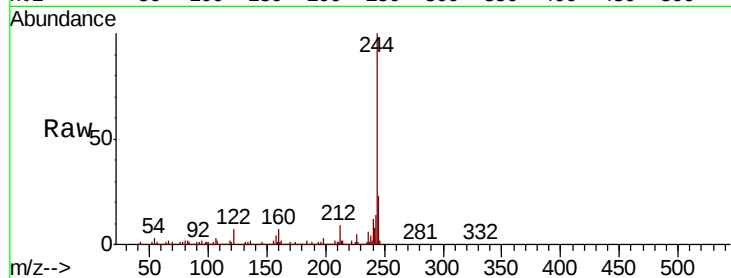
Tgt Ion:244 Resp: 1415762

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

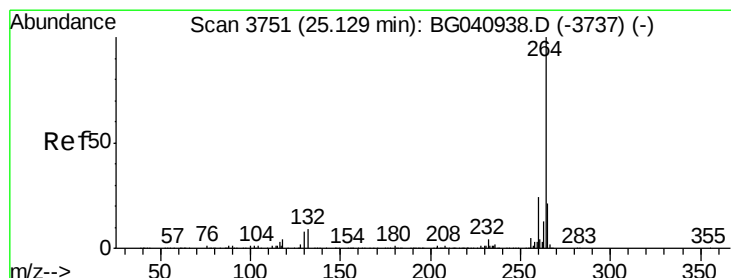
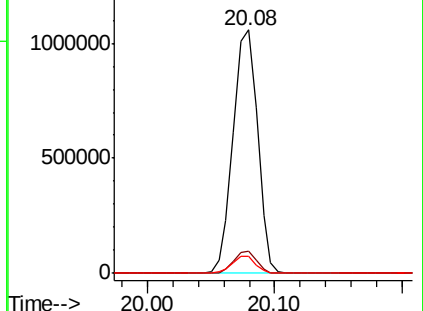
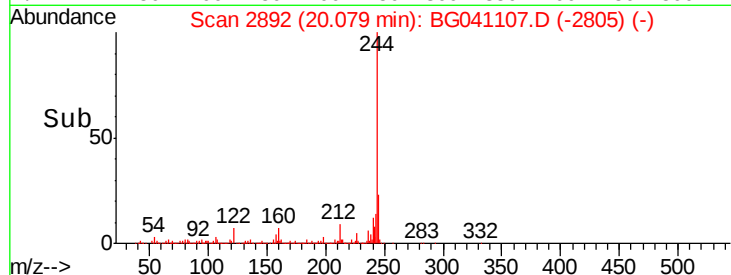
122 7.0 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041107.D

Acq: 7 Jun 2019 18:35

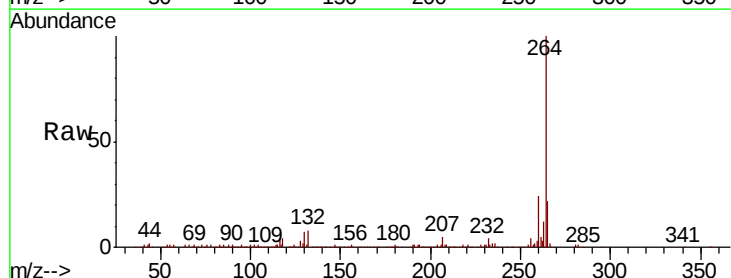
Tgt Ion:264 Resp: 360418

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.1 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

