

Data File : BG042268.D
Acq On : 16 Aug 2019 20:30
Operator : HP/JU
Sample : K4272-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
2S-G1-G4-(0-1)

Quant Time: Aug 17 00:01:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	54517	20.00	ng	-0.04
21) Naphthalene-d8	10.84	136	205234	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	153149	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	373402	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	434181	20.00	ng	-0.03
87) Perylene-d12	24.96	264	498543	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	344499	122.95	ng	-0.02
7) Phenol-d6	7.18	99	420494	111.31	ng	-0.02
23) Nitrobenzene-d5	9.18	82	297924	99.90	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	320366	184.16	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	916844	105.59	ng	-0.04
79) Terphenyl-d14	20.04	244	1830010	96.45	ng	-0.02

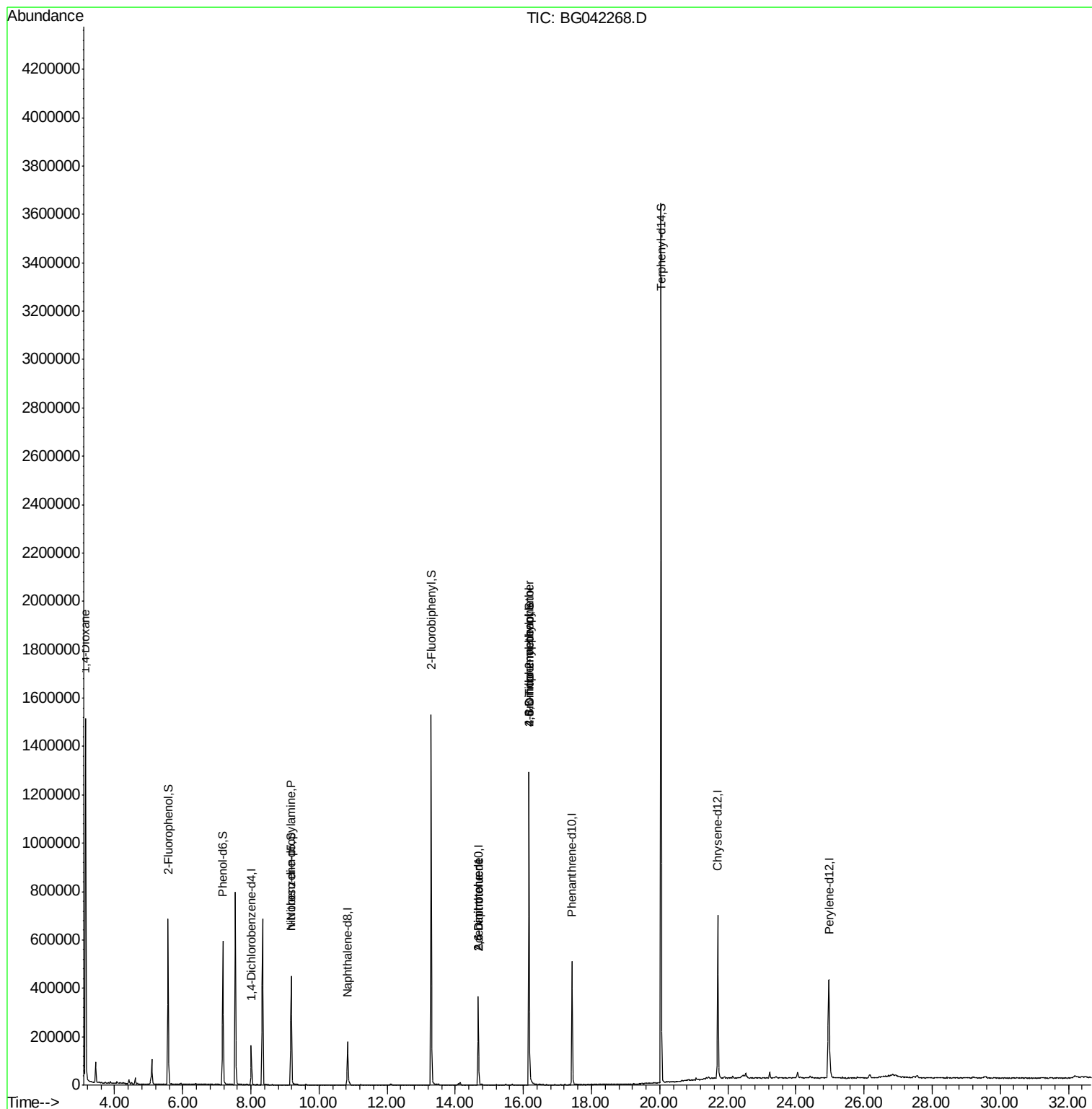
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	15853	12.020	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	38420	14.009	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	19607	8.965	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	19607	6.519	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.17	198	609	7.138	ng	# 7
67) 4-Bromophenyl-phenylether	16.17	248	22716	4.939	ng	# 1

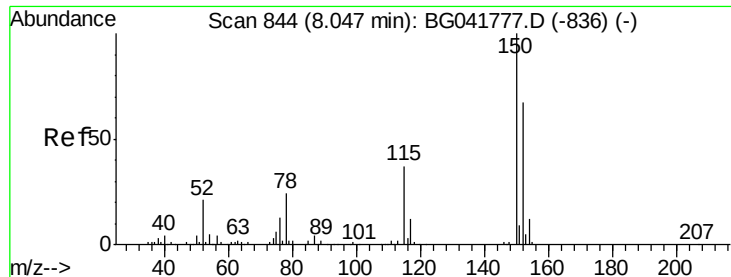
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.04 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(0-1)

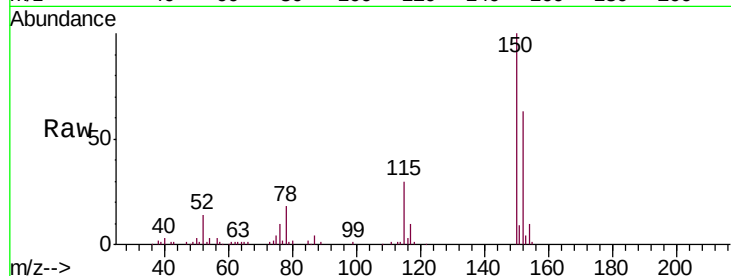
Tgt Ion:152 Resp: 54517

Ion Ratio Lower Upper

152 100

150 158.1 126.9 190.3

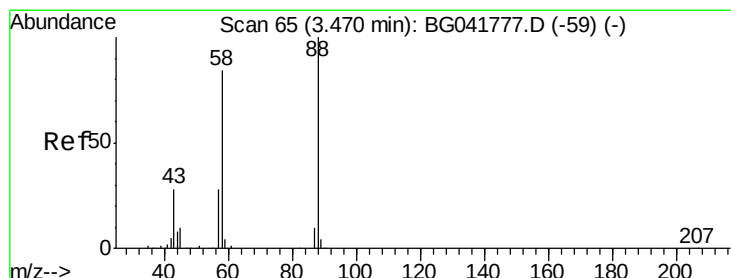
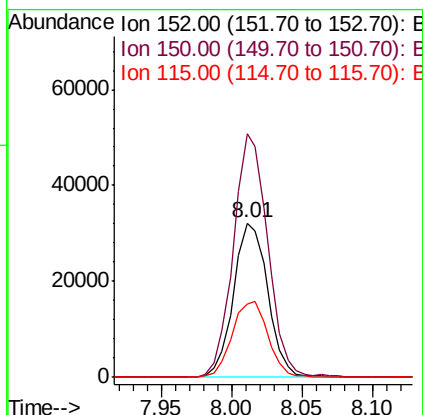
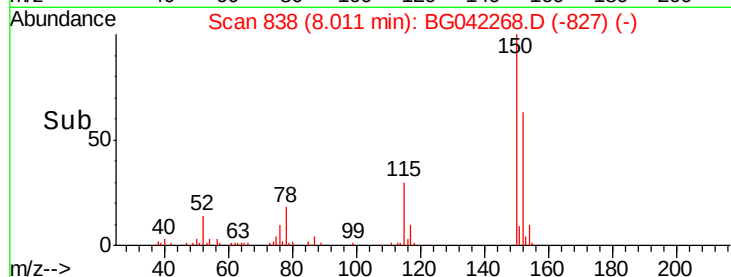
115 47.8 45.0 67.6



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



#2

1,4-Dioxane

Concen: 12.020 ng

RT: 3.15 min Scan# 10

Delta R.T. -0.32 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

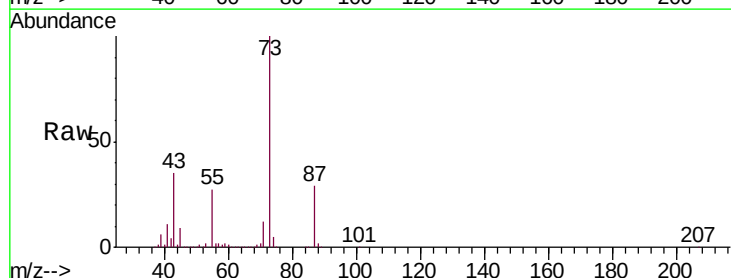
Tgt Ion: 88 Resp: 15853

Ion Ratio Lower Upper

88 100

58 26.4 76.2 114.2#

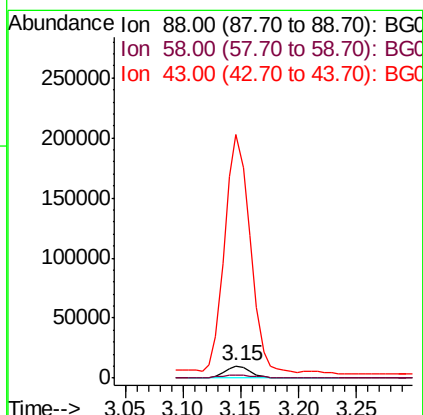
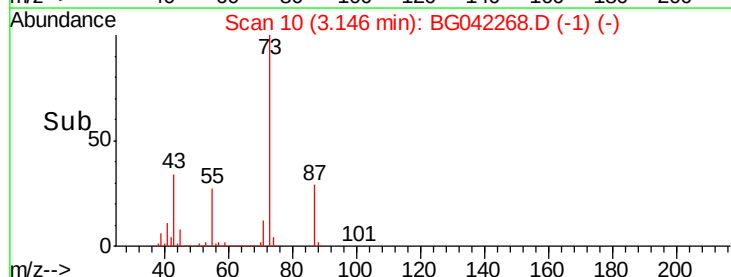
43 1950.4 27.2 40.8#

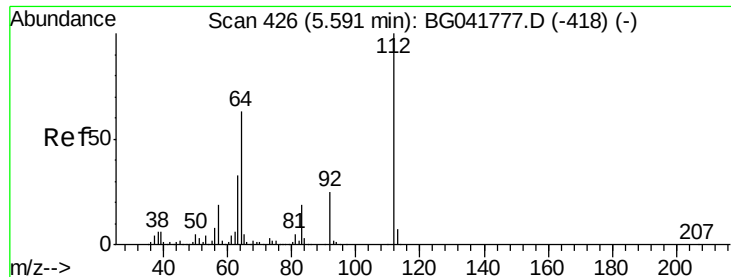


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 122.946 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(0-1)

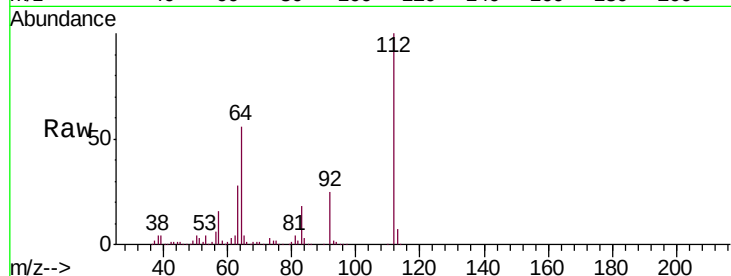
Tgt Ion:112 Resp: 344499

Ion Ratio Lower Upper

112 100

64 56.2 55.4 83.2

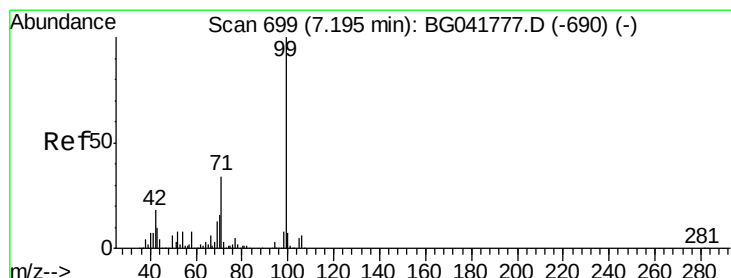
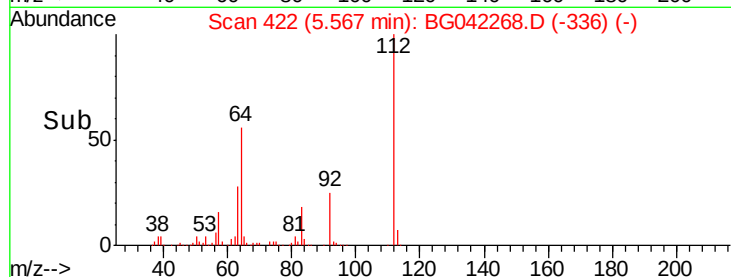
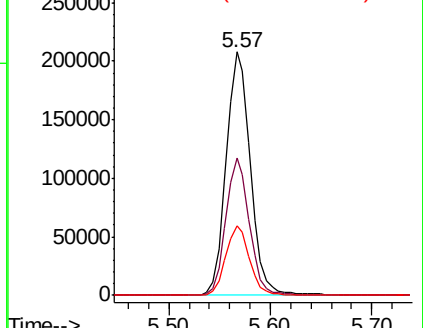
63 28.5 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 111.313 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.02 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

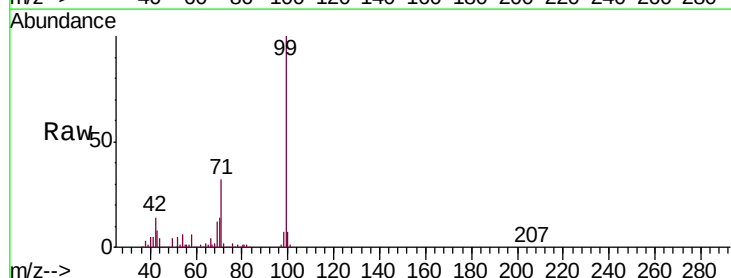
Tgt Ion: 99 Resp: 420494

Ion Ratio Lower Upper

99 100

42 14.2 17.6 26.4#

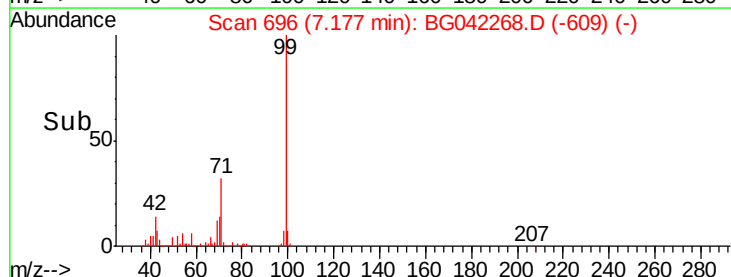
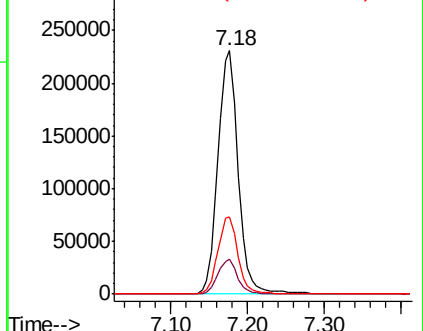
71 31.6 27.8 41.6

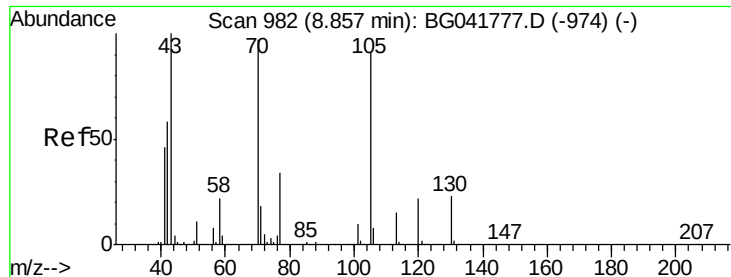


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

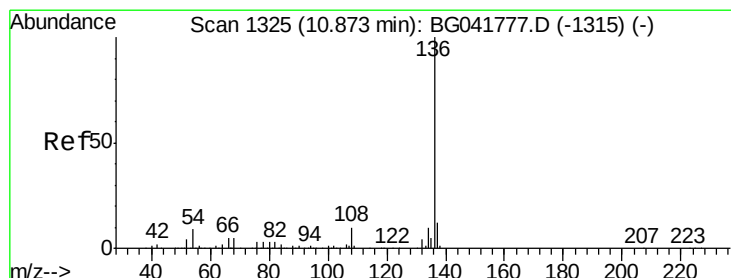
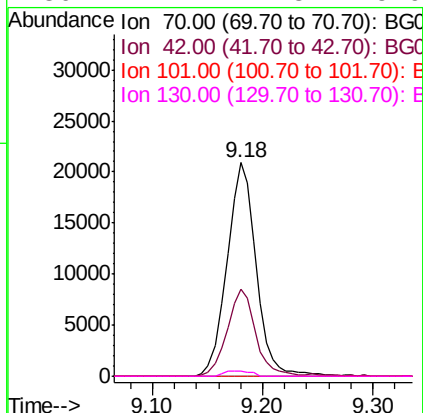
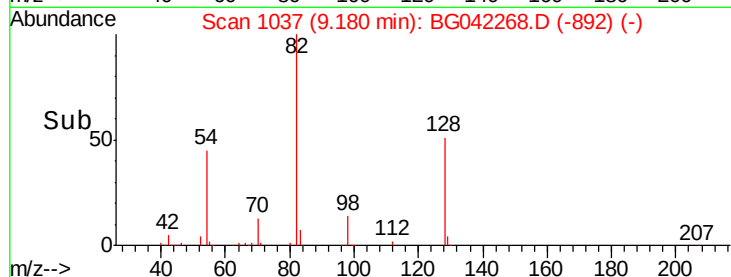
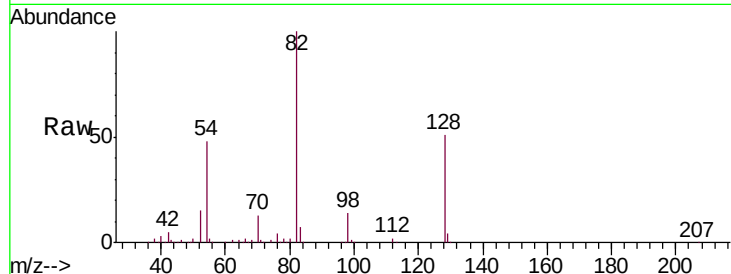




#19
n-Nitroso-di-n-propylamine
Concen: 14.009 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.32 min
Lab File: BG042268.D
Acq: 16 Aug 2019 20:30

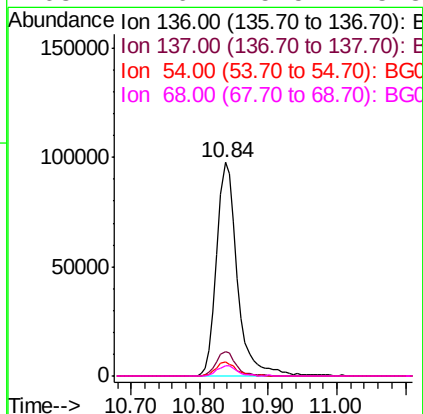
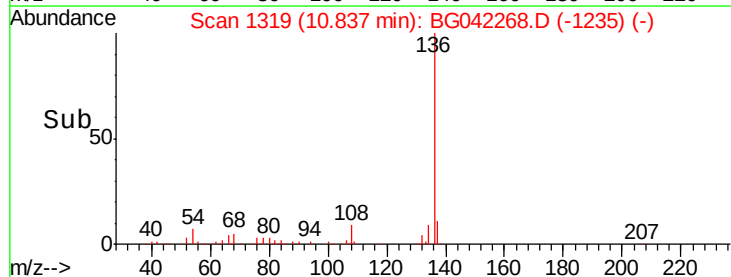
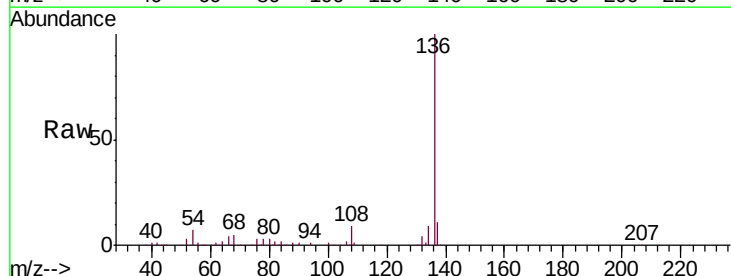
Instrument :
BNA_G
ClientSampleId :
2S-G1-G4-(0-1)

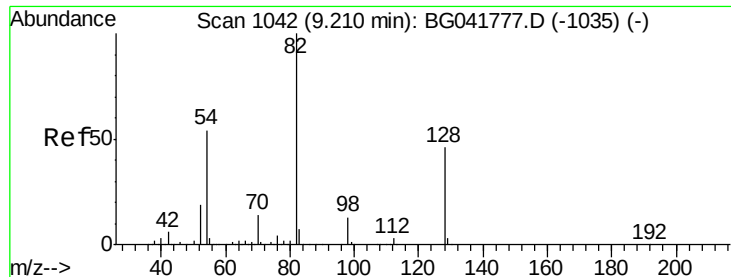
Tgt Ion: 70 Resp: 38420
Ion Ratio Lower Upper
70 100
42 40.9 55.8 83.6#
101 0.0 8.1 12.1#
130 2.2 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.04 min
Lab File: BG042268.D
Acq: 16 Aug 2019 20:30

Tgt Ion: 136 Resp: 205234
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 6.8 8.7 13.1#
68 4.6 5.5 8.3#

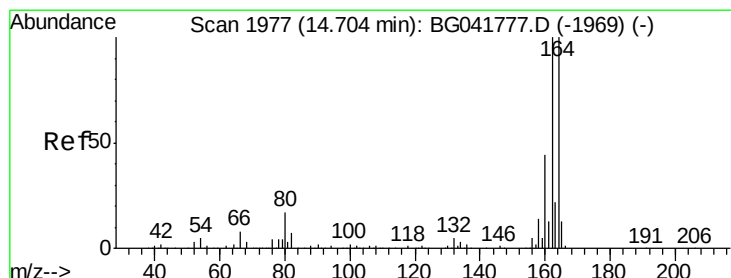
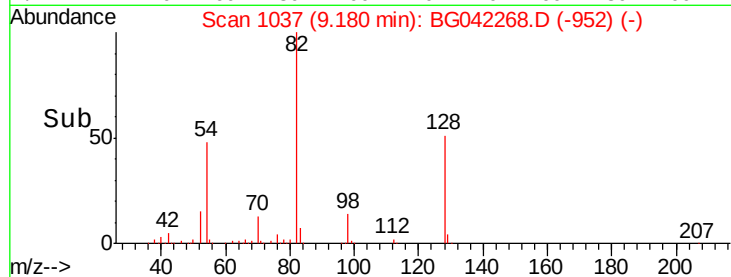
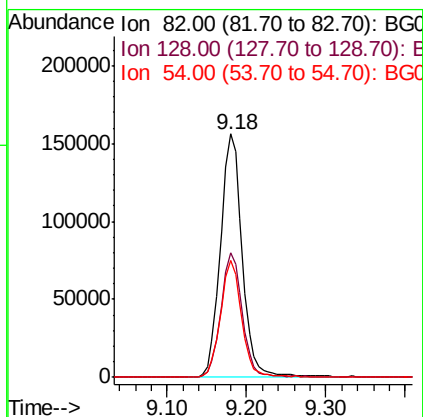
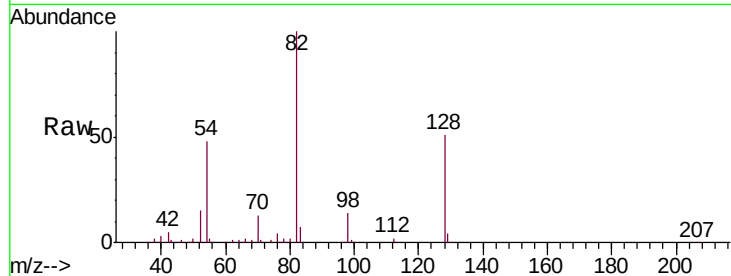




#23
 Nitrobenzene-d5
 Concen: 99.896 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

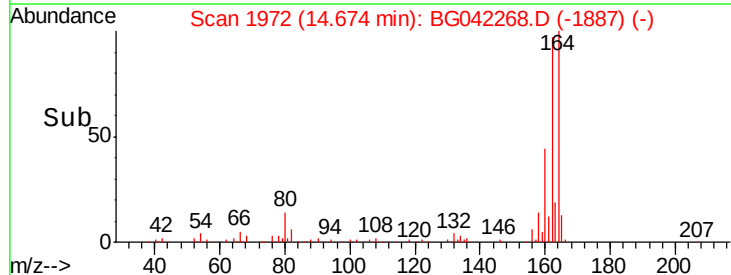
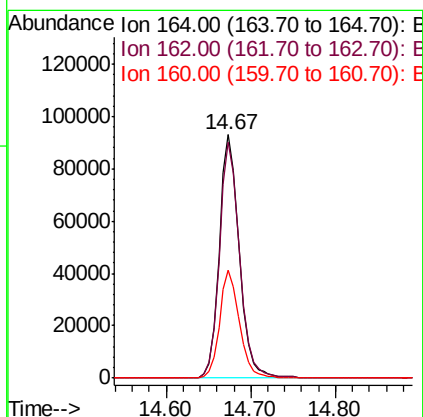
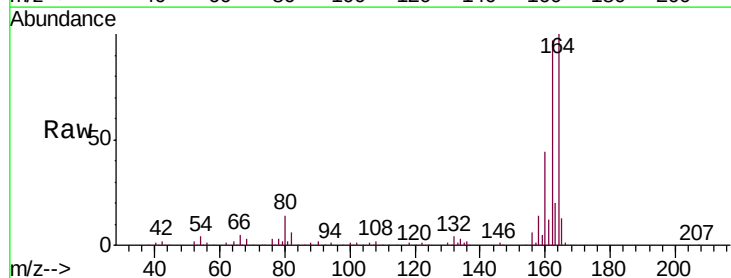
Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(0-1)

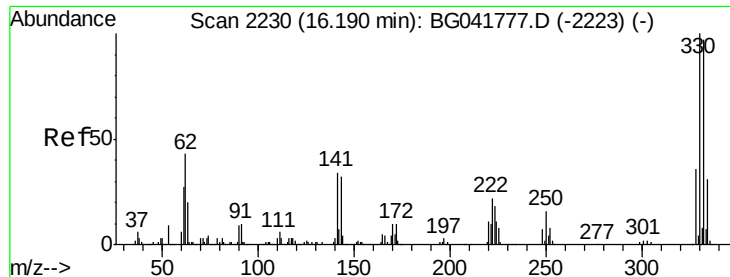
Tgt Ion: 82 Resp: 297924
 Ion Ratio Lower Upper
 82 100
 128 51.4 35.1 52.7
 54 48.0 48.7 73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.03 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Tgt Ion: 164 Resp: 153149
 Ion Ratio Lower Upper
 164 100
 162 96.9 79.6 119.4
 160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 184.165 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(0-1)

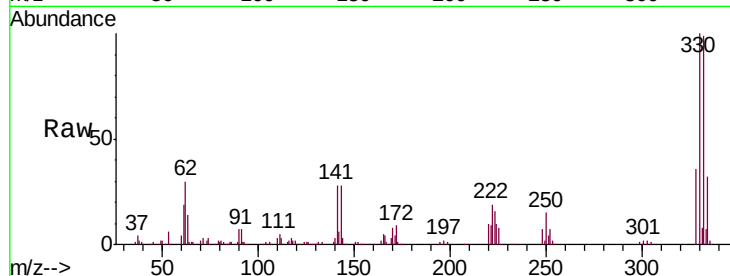
Tgt Ion:330 Resp: 320366

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

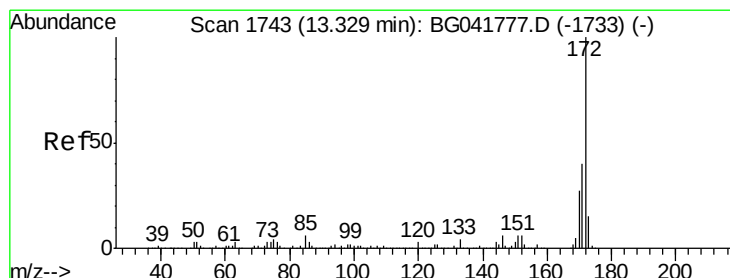
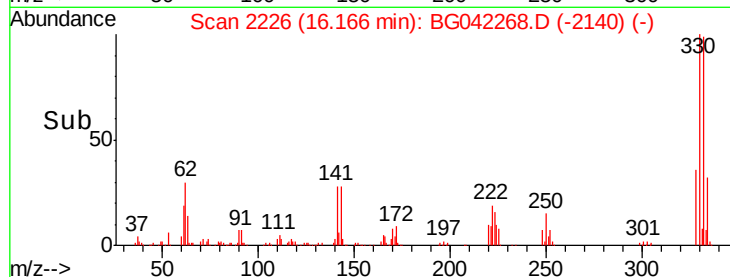
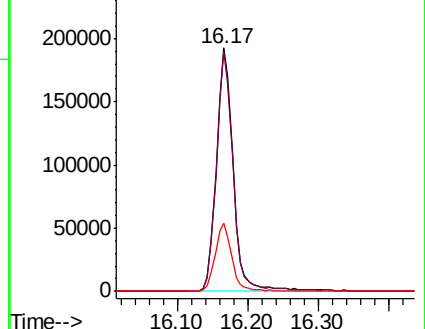
141 27.2 31.9 47.9#



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: 105.587 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.04 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

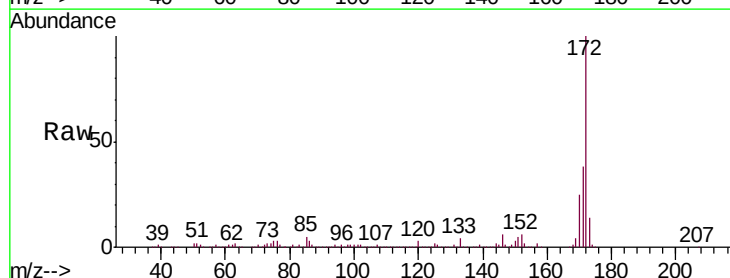
Tgt Ion:172 Resp: 916844

Ion Ratio Lower Upper

172 100

171 38.4 35.0 52.4

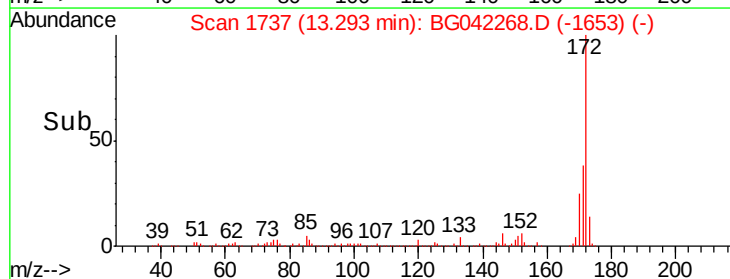
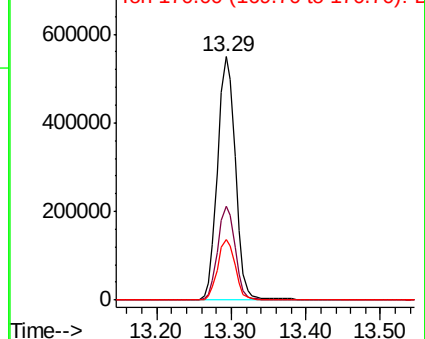
170 25.0 23.5 35.3

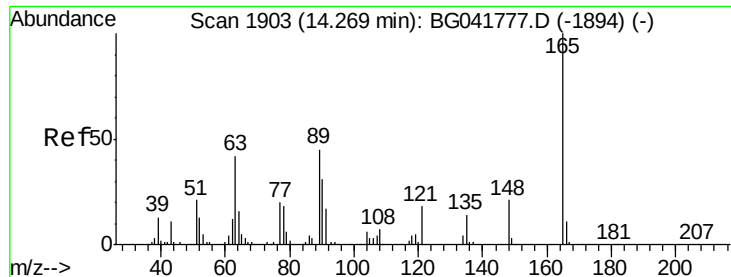


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

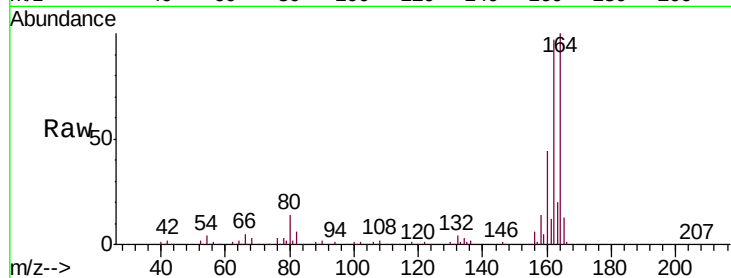




#51
 2,6-Dinitrotoluene
 Concen: 8.965 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.40 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(0-1)

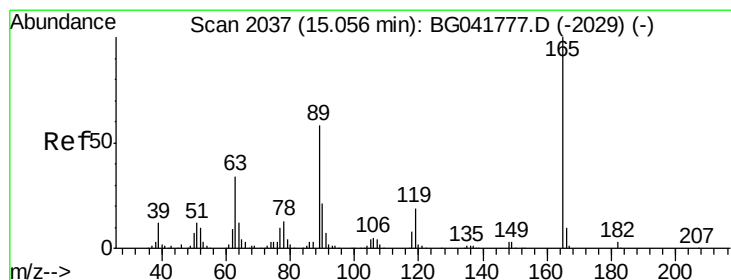
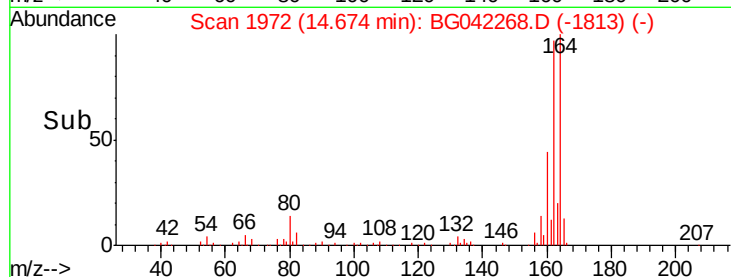
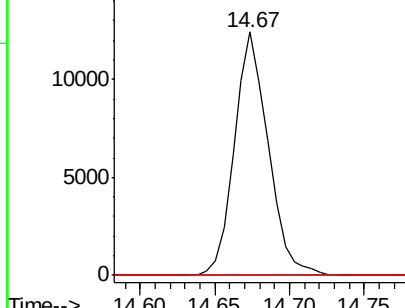
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



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



#57
 2,4-Dinitrotoluene
 Concen: 6.519 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

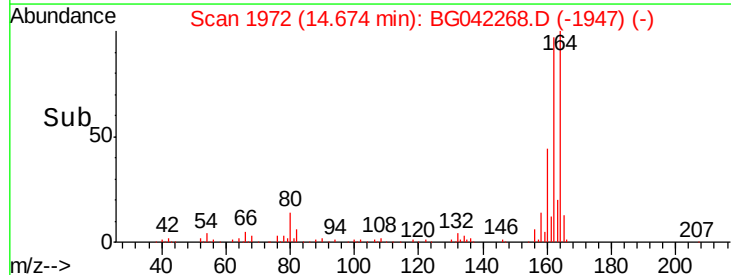
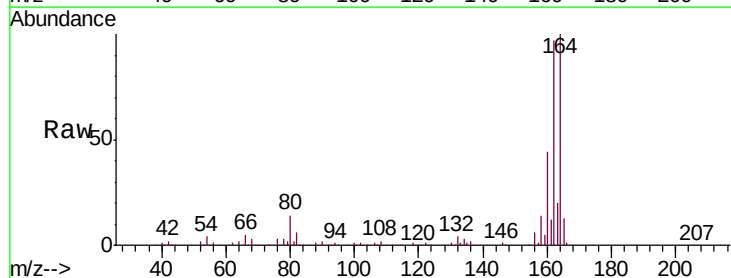
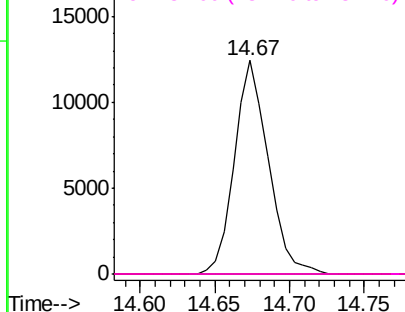
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#

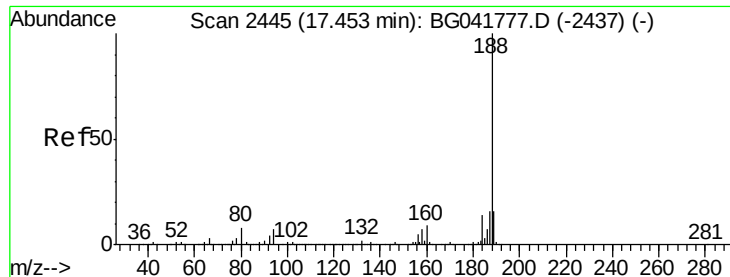
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

Instrument :

BNA_G

ClientSampleId :

2S-G1-G4-(0-1)

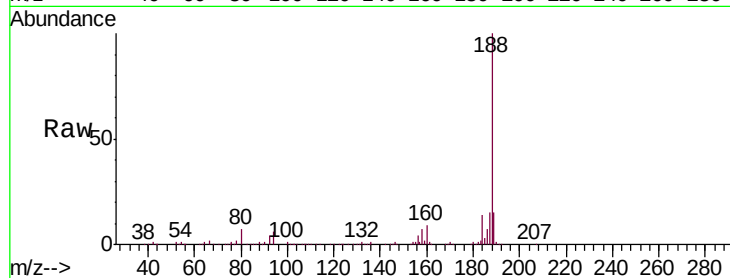
Tgt Ion:188 Resp: 373402

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

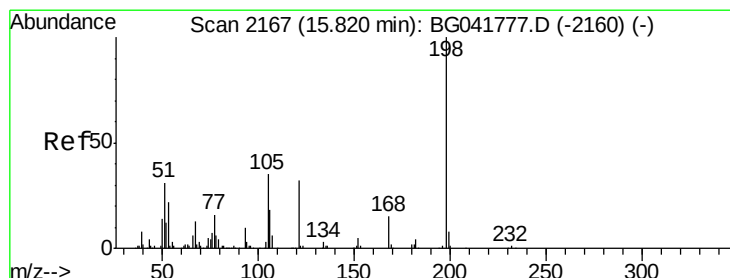
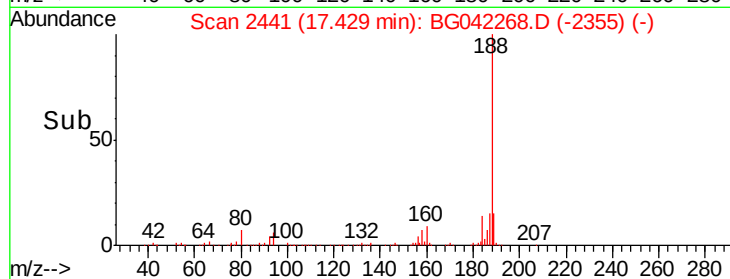
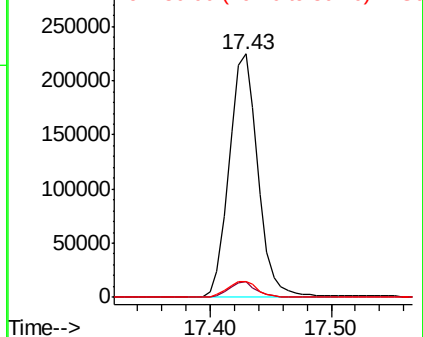
80 6.7 8.0 12.0#



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: 7.138 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.35 min

Lab File: BG042268.D

Acq: 16 Aug 2019 20:30

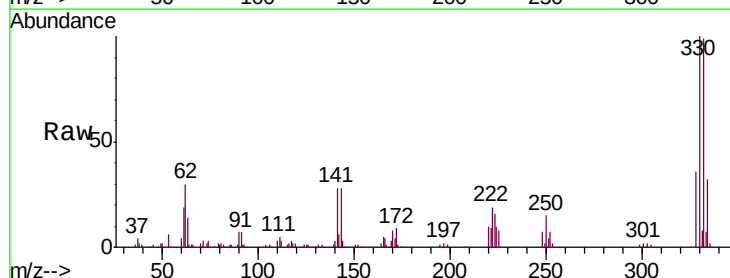
Tgt Ion:198 Resp: 609

Ion Ratio Lower Upper

198 100

51 69.2 22.3 62.3#

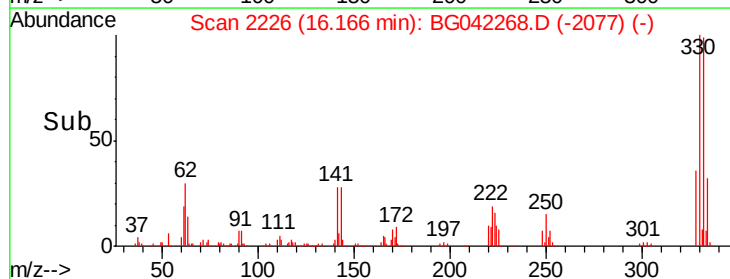
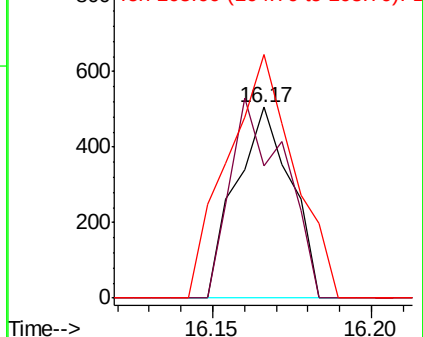
105 127.5 18.0 58.0#

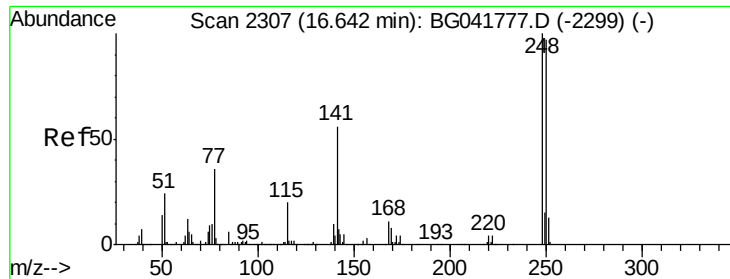


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

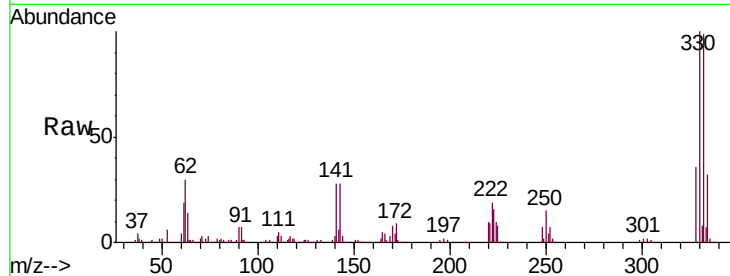




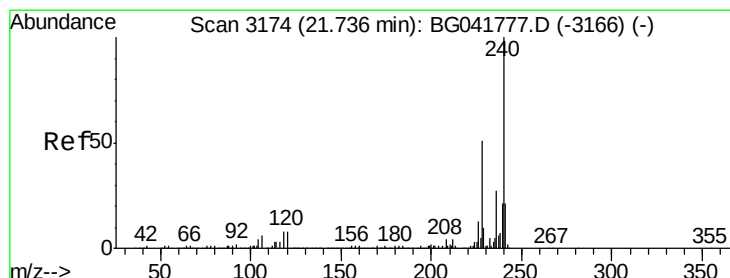
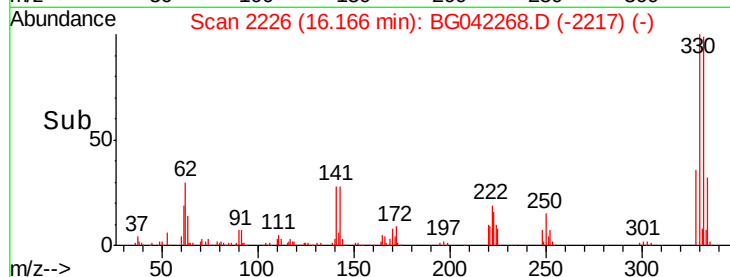
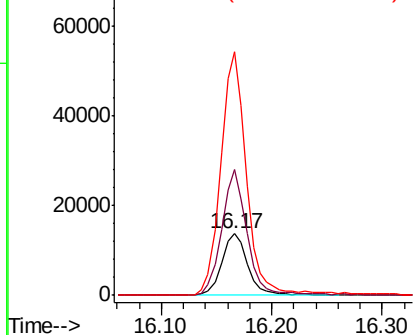
#67
 4-Bromophenyl-phenylether
 Concen: 4.939 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.48 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(0-1)

Tgt Ion:248 Resp: 22716
 Ion Ratio Lower Upper
 248 100
 250 203.0 78.1 117.1#
 141 393.9 49.6 74.4#

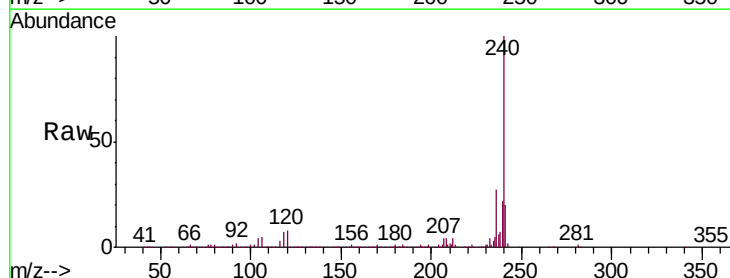


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

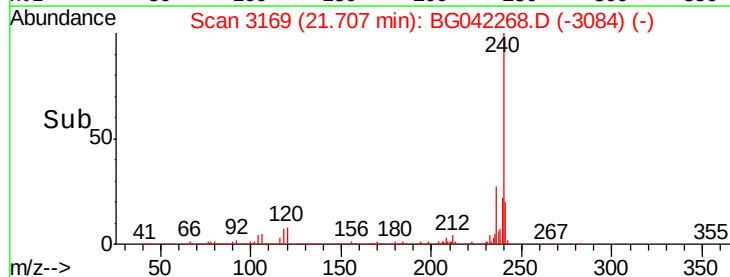
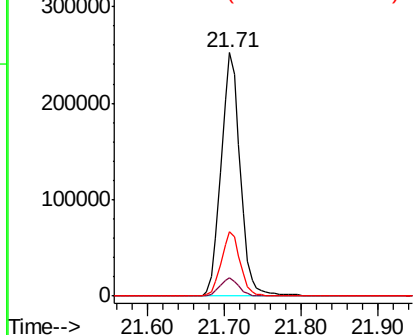


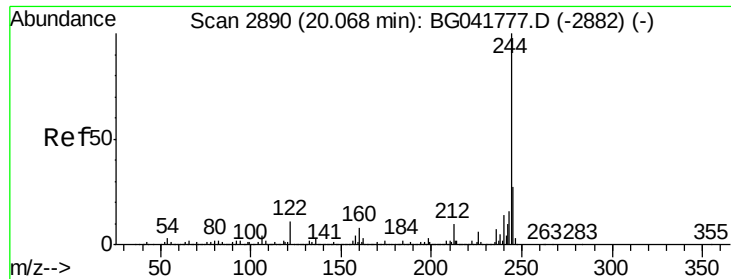
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.03 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Tgt Ion:240 Resp: 434181
 Ion Ratio Lower Upper
 240 100
 120 7.6 8.0 12.0#
 236 26.5 22.6 33.8



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

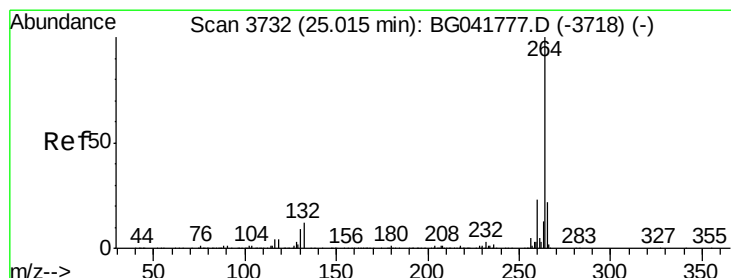
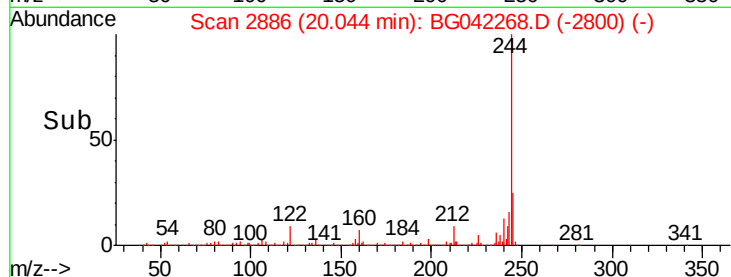
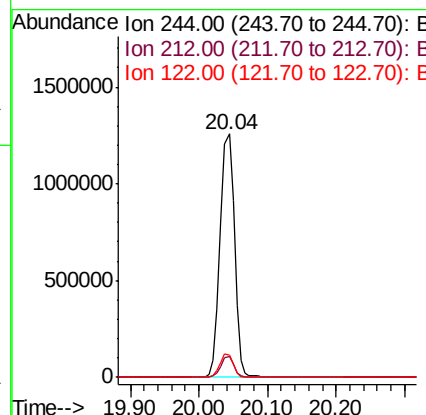
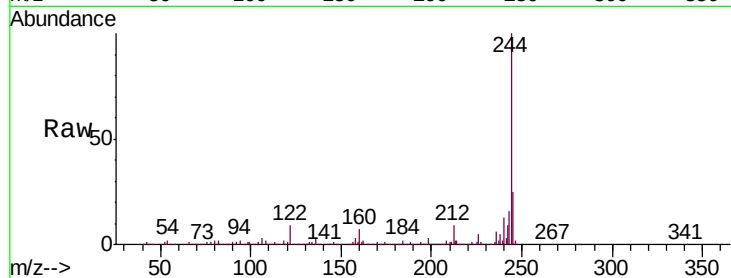




#79
 Terphenyl-d14
 Concen: 96.447 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. -0.02 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Instrument :
 BNA_G
 ClientSampleId :
 2S-G1-G4-(0-1)

Tgt Ion:244 Resp: 1830010
 Ion Ratio Lower Upper
 244 100
 212 8.7 9.7 14.5#
 122 9.2 12.5 18.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.96 min Scan# 3723
 Delta R.T. -0.05 min
 Lab File: BG042268.D
 Acq: 16 Aug 2019 20:30

Tgt Ion:264 Resp: 498543
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 21.9 18.0 27.0

