

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041841.D
 Acq On : 31 Jul 2019 20:07
 Operator : HP/JU
 Sample : K3622-16RX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-B

Quant Time: Aug 01 01:50:15 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

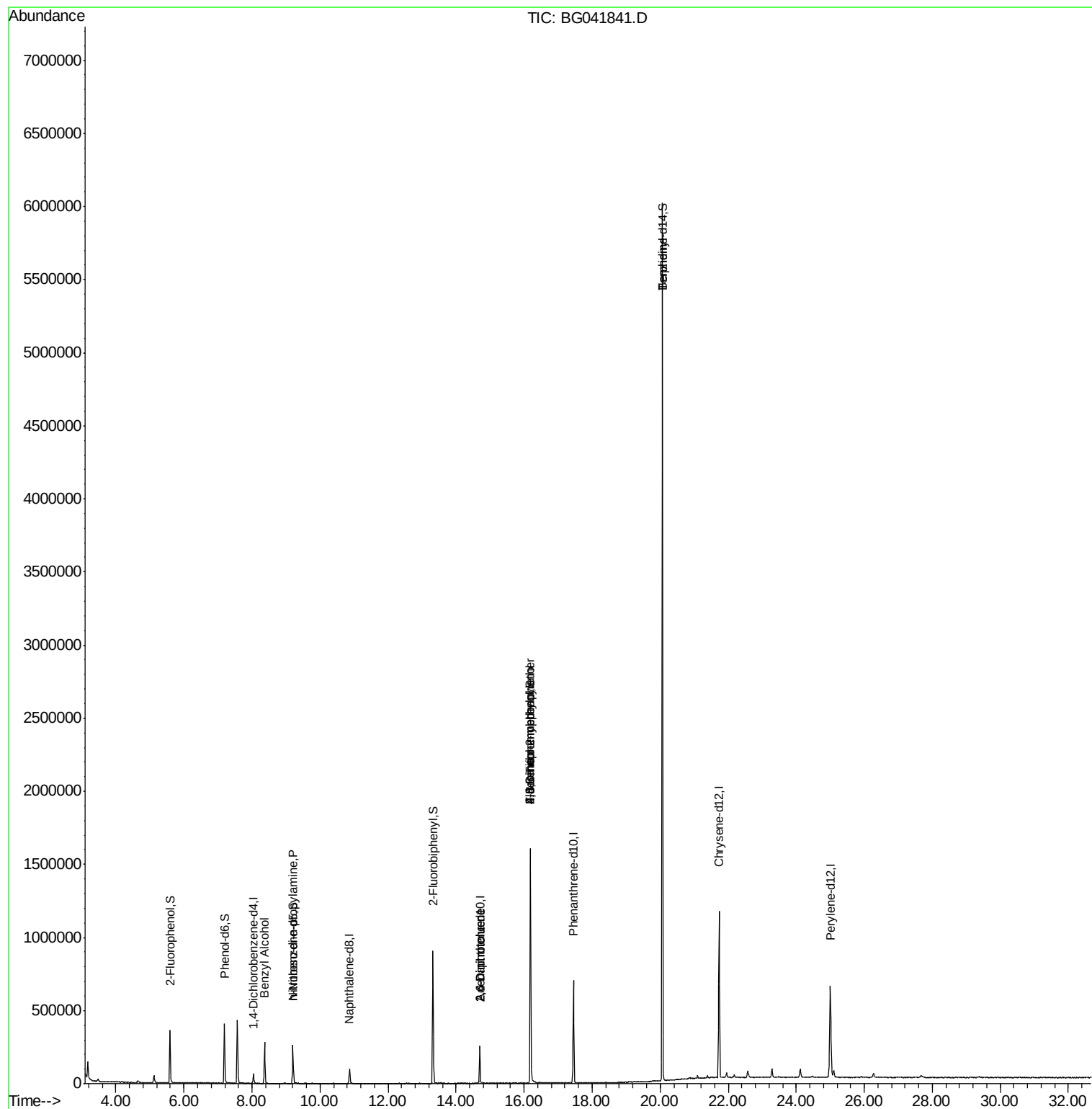
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	19896	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	97593	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	98468	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	441145	20.00	ng	0.00
76) Chrysene-d12	21.73	240	698778	20.00	ng	0.00
87) Perylene-d12	25.00	264	741994	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	182342	178.31	ng	0.00
7) Phenol-d6	7.19	99	261636	189.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	162916	114.88	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	340236	304.20	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	523248	93.72	ng	-0.01
79) Terphenyl-d14	20.06	244	2793532	91.48	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.37	79	2267	2.090	ng	# 48
19) n-Nitroso-di-n-propylamine	9.20	70	21048	21.029	ng	# 67
51) 2,6-Dinitrotoluene	14.69	165	13026	9.263	ng	# 25
57) 2,4-Dinitrotoluene	14.69	165	13026	6.736	ng	# 27
58) Fluorene	16.18	166	13610	2.115	ng	# 87
65) 4,6-Dinitro-2-methylphenol	16.18	198	938	7.225	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	25091	4.617	ng	# 1
77) Benzidine	20.07	184	50895	2.231	ng	# 93

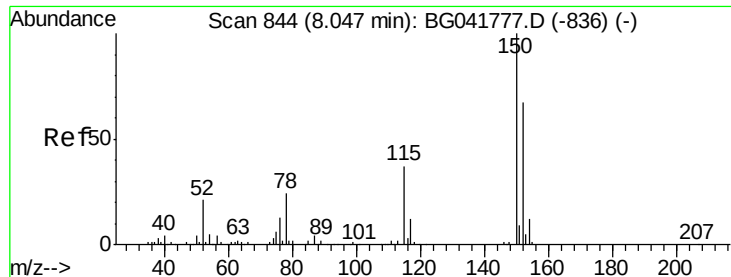
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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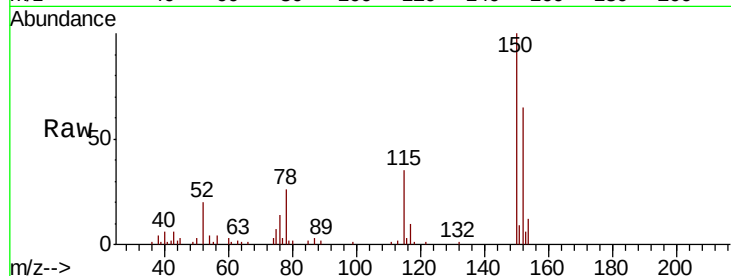


#1

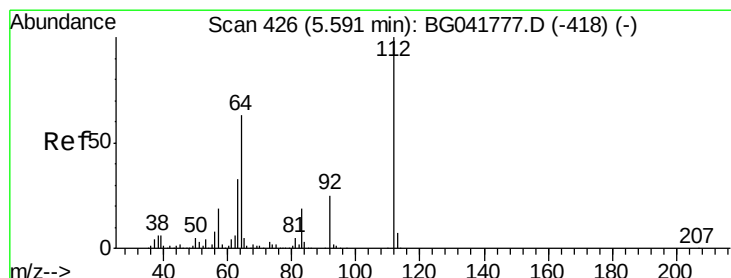
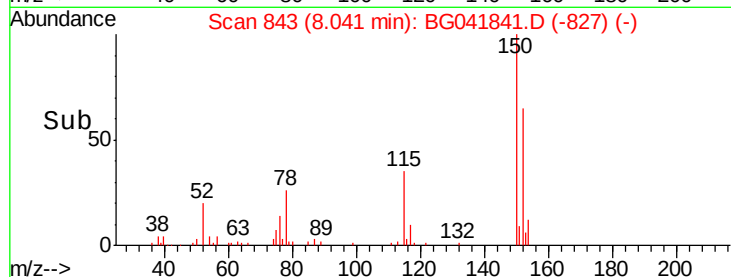
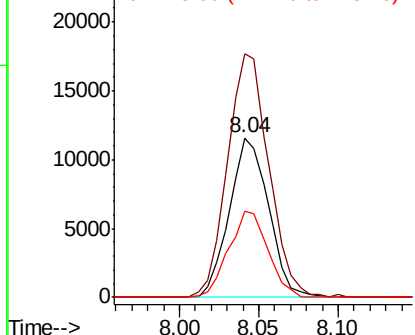
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041841.D
Acq: 31 Jul 2019 20:07

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-B

Tgt Ion:152 Resp: 19896
Ion Ratio Lower Upper
152 100
150 152.7 126.9 190.3
115 53.8 45.0 67.6



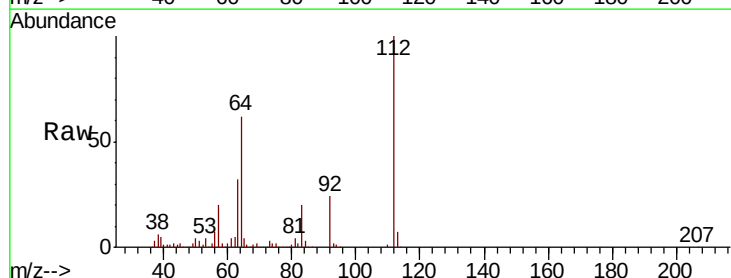
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



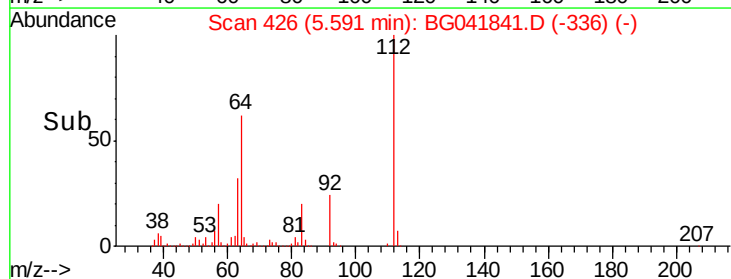
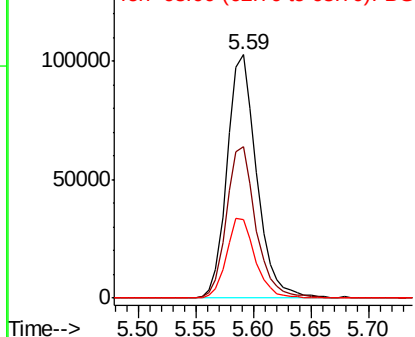
#5

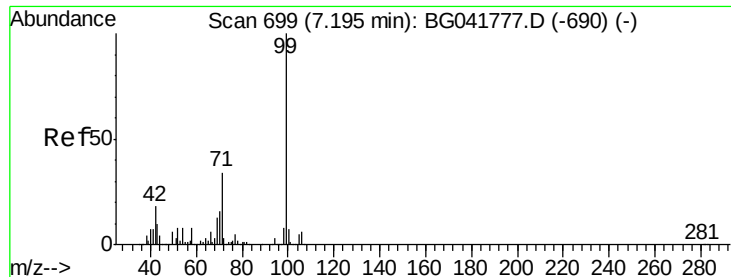
2-Fluorophenol
Concen: 178.311 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG041841.D
Acq: 31 Jul 2019 20:07

Tgt Ion:112 Resp: 182342
Ion Ratio Lower Upper
112 100
64 62.1 55.4 83.2
63 32.0 29.1 43.7



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: 189.779 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

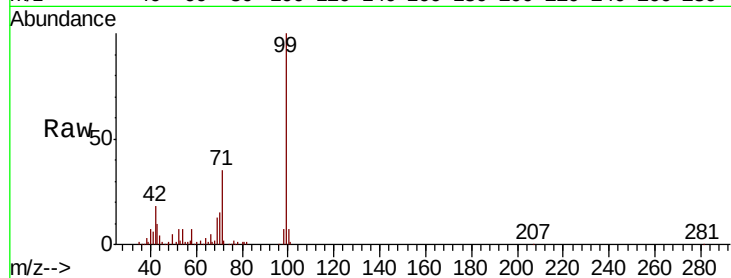
Tgt Ion: 99 Resp: 261636

Ion Ratio Lower Upper

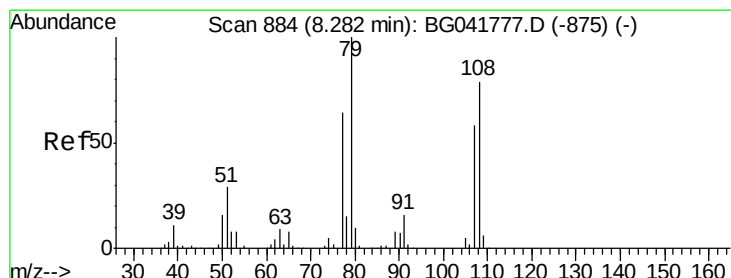
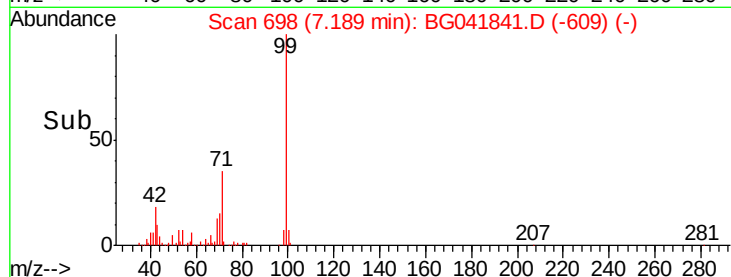
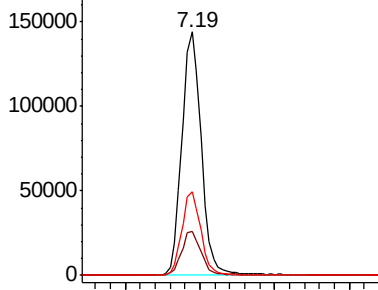
99 100

42 18.2 17.6 26.4

71 34.6 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



#15

Benzyl Alcohol

Concen: 2.090 ng

RT: 8.37 min Scan# 899

Delta R.T. 0.09 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

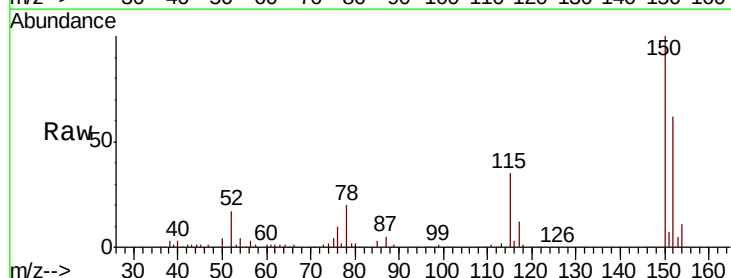
Tgt Ion: 79 Resp: 2267

Ion Ratio Lower Upper

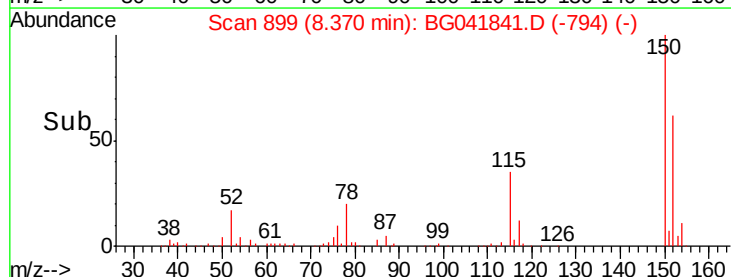
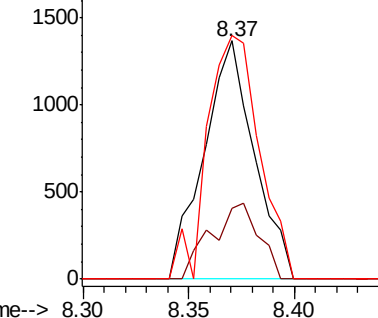
79 100

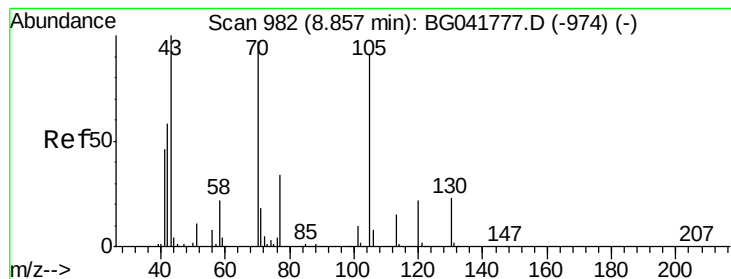
108 29.8 60.5 90.7#

77 102.1 50.6 75.8#



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





#19

n-Nitroso-di-n-propylamine

Concen: 21.029 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

Tgt Ion: 70 Resp: 21048

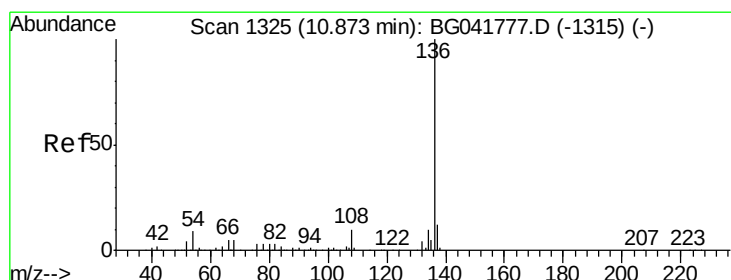
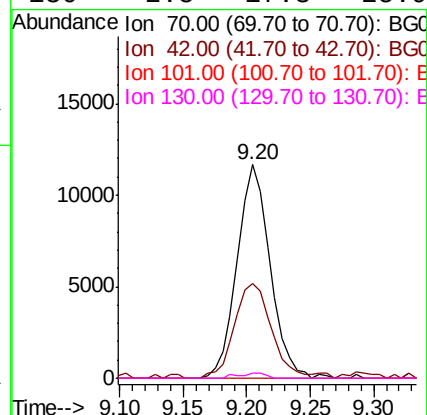
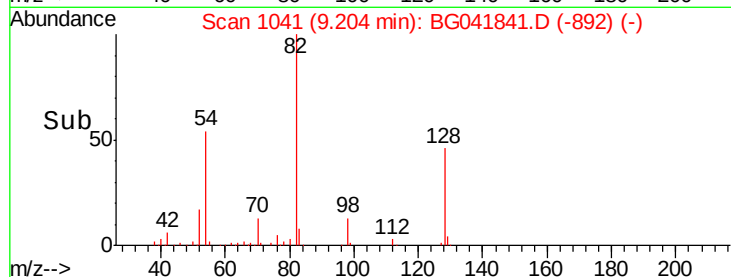
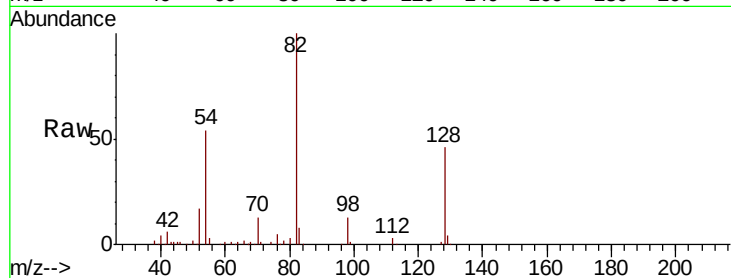
Ion Ratio Lower Upper

70 100

42 44.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Tgt Ion: 136 Resp: 97593

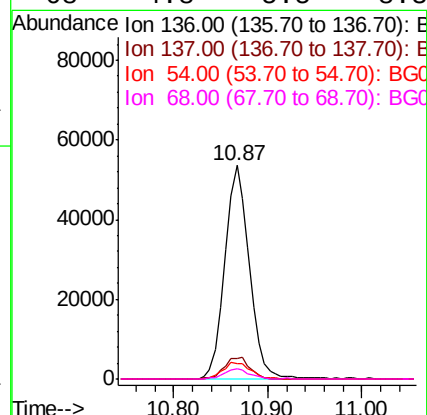
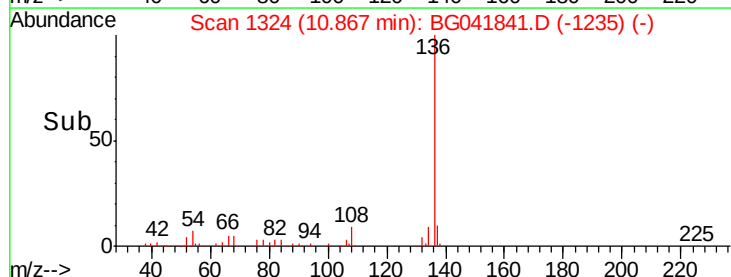
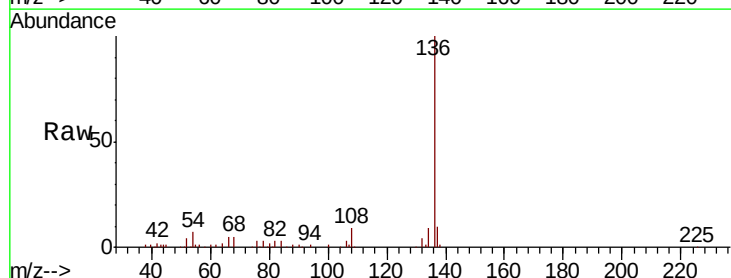
Ion Ratio Lower Upper

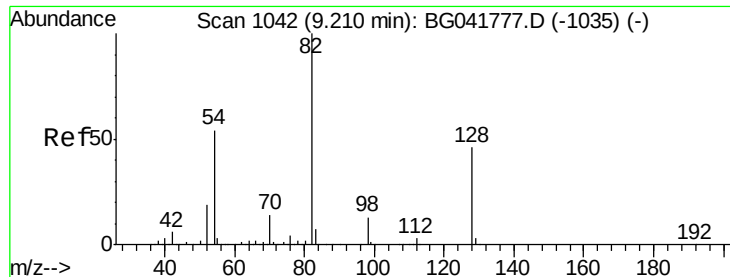
136 100

137 9.7 9.2 13.8

54 7.5 8.7 13.1#

68 4.8 5.5 8.3#

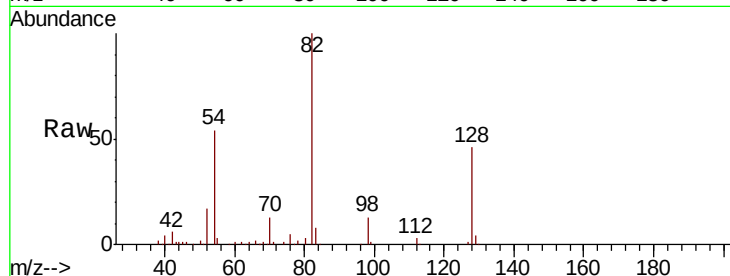




#23
 Nitrobenzene-d5
 Concen: 114.878 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.1	52.7
54	54.5	48.7	73.1

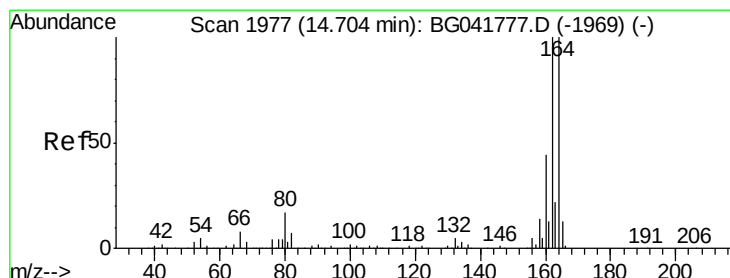
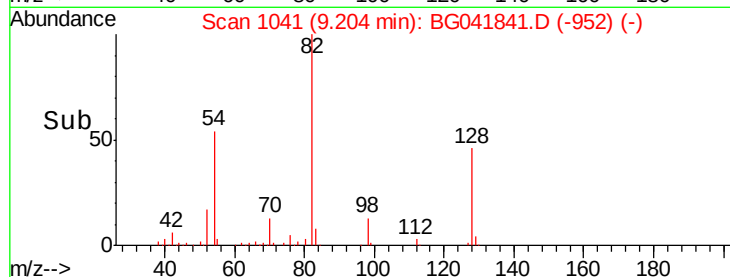
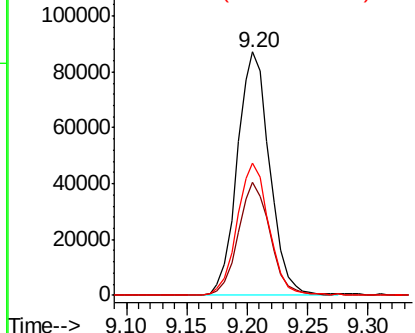


Abundance

Ion 82.00 (81.70 to 82.70): BGC

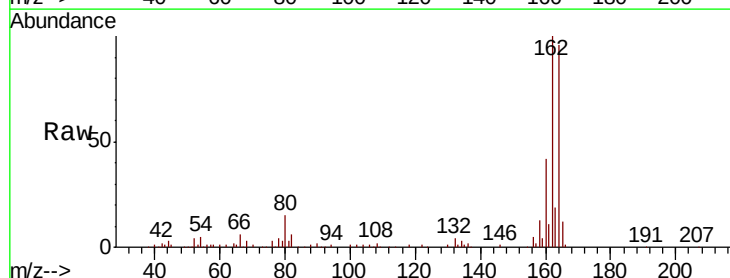
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	79.6	119.4
160	43.9	35.4	53.0

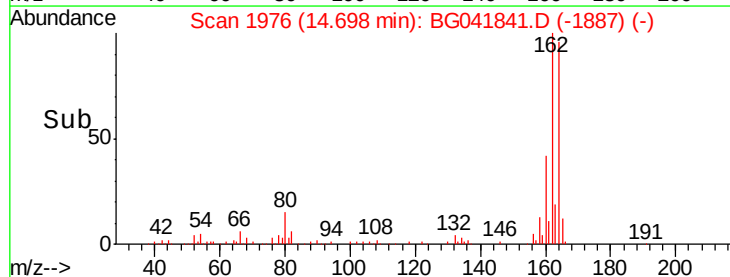
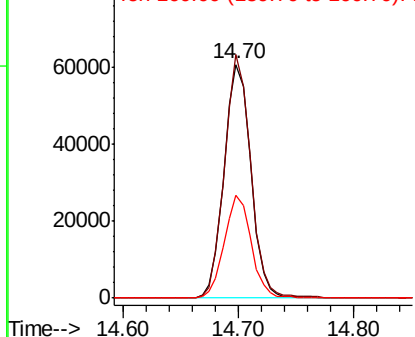


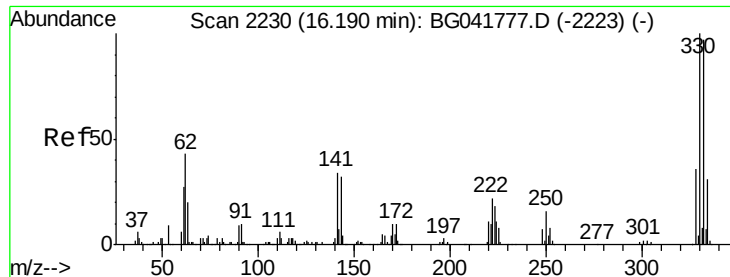
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

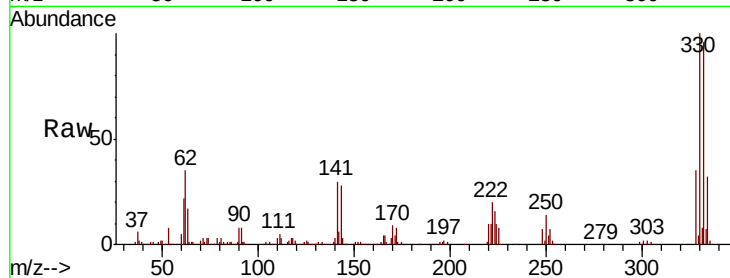




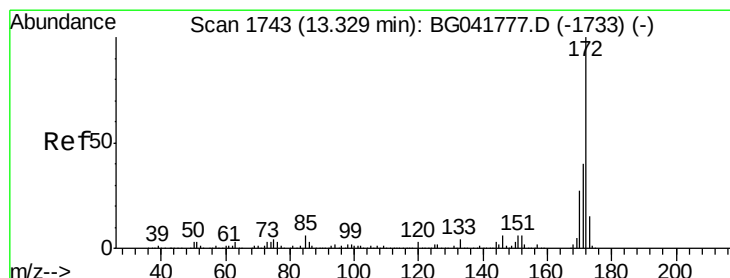
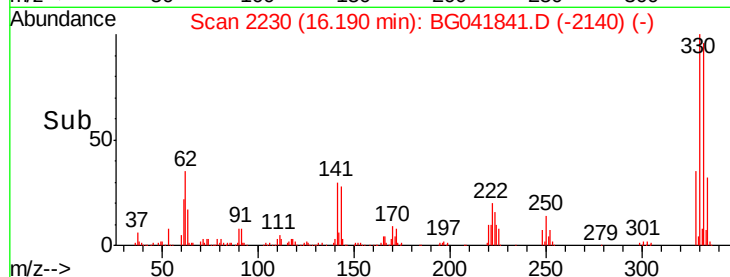
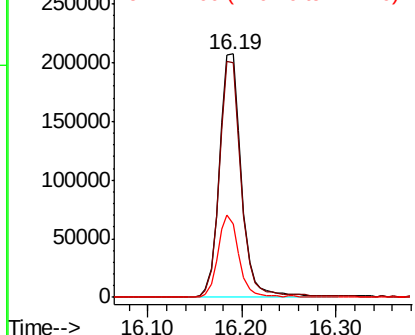
#42
 2,4,6-Tribromophenol
 Concen: 304.200 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-B

Tgt Ion:330 Resp: 340236
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.0
 141 31.9 31.9 47.9

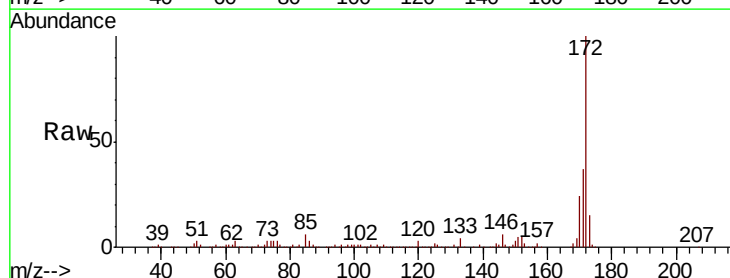


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

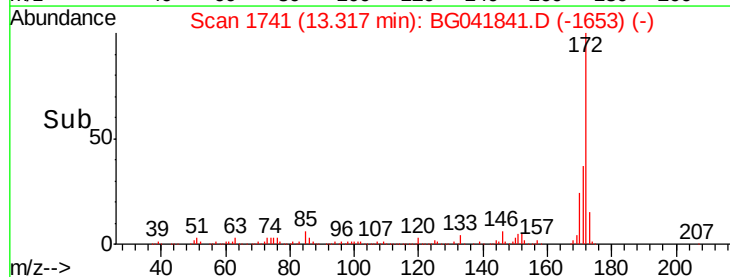
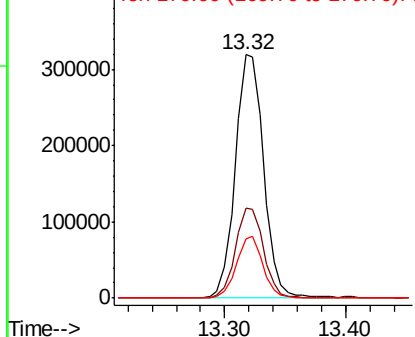


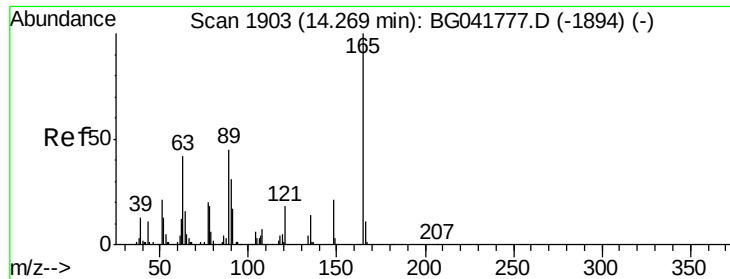
#45
 2-Fluorobiphenyl
 Concen: 93.722 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Tgt Ion:172 Resp: 523248
 Ion Ratio Lower Upper
 172 100
 171 36.8 35.0 52.4
 170 24.2 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

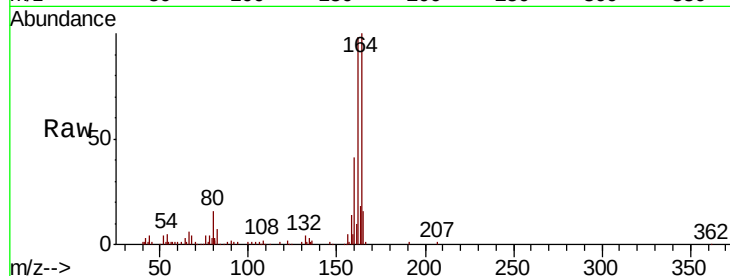




#51
 2,6-Dinitrotoluene
 Concen: 9.263 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.42 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-B

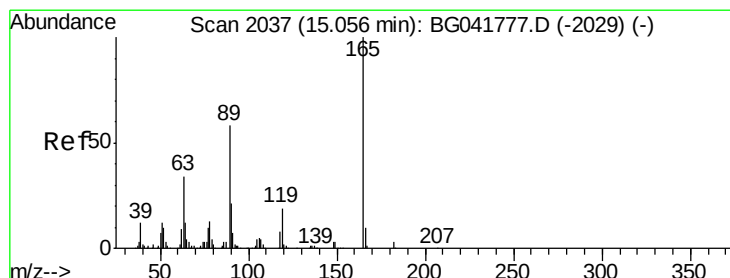
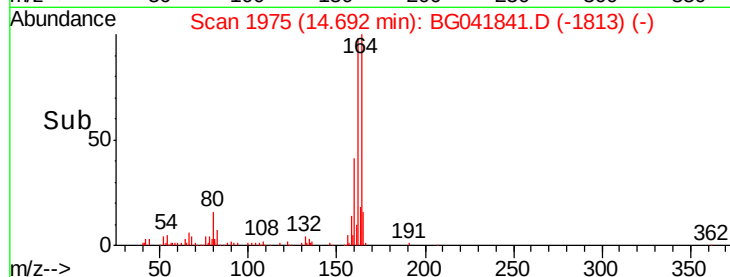
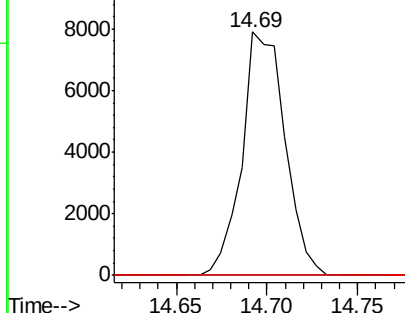
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



Abundance Ion 165.00 (164.70 to 165.70): E

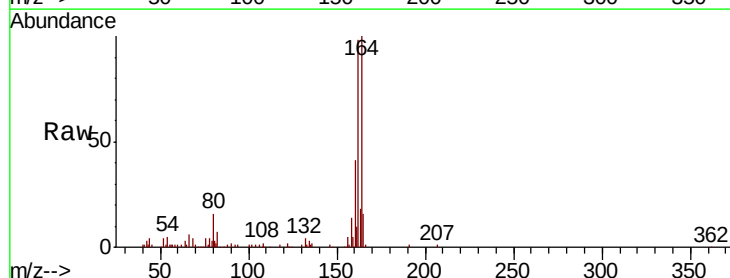
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 6.736 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.36 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

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#

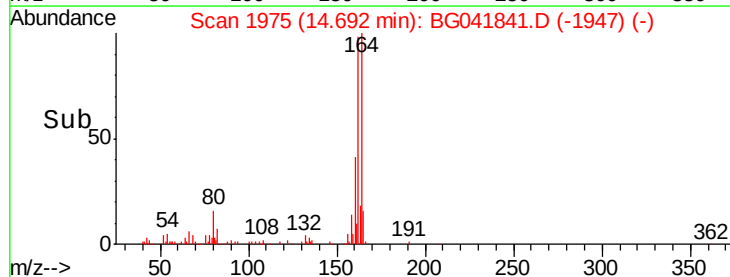
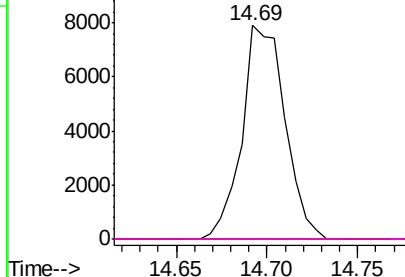


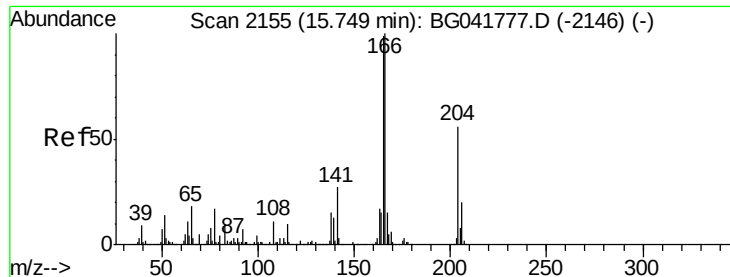
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 2.115 ng

RT: 16.18 min Scan# 2229

Delta R.T. 0.44 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

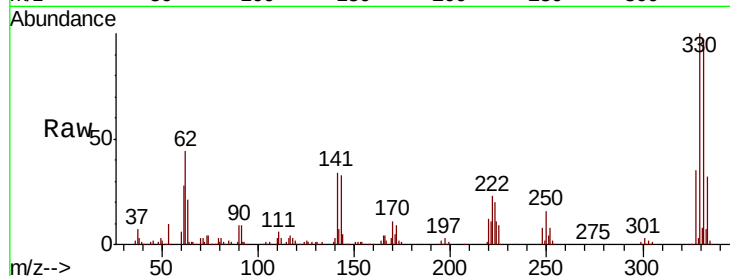
Tgt Ion:166 Resp: 13610

Ion Ratio Lower Upper

166 100

165 106.6 80.5 120.7

167 39.1 12.4 18.6#

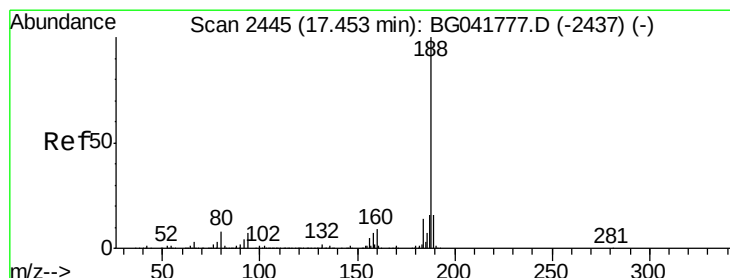
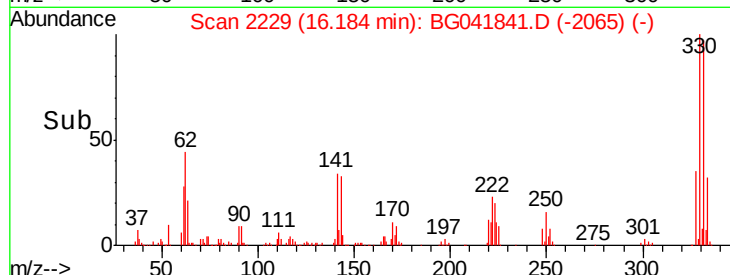
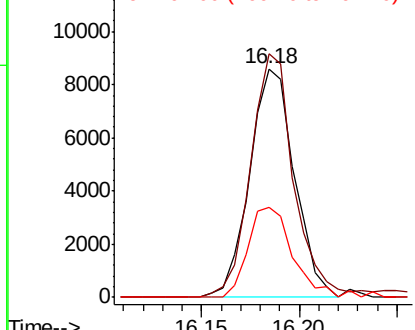


Abundance

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: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

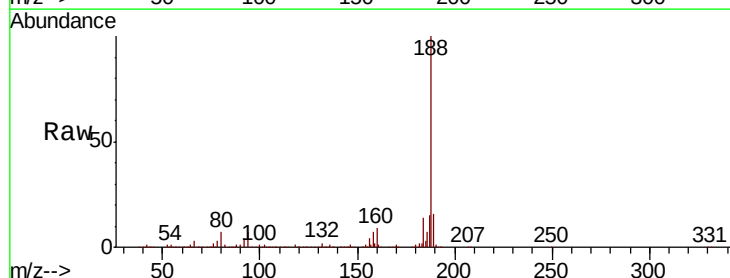
Tgt Ion:188 Resp: 441145

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

80 7.0 8.0 12.0#

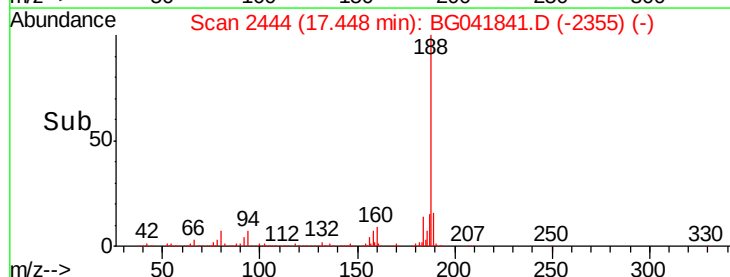
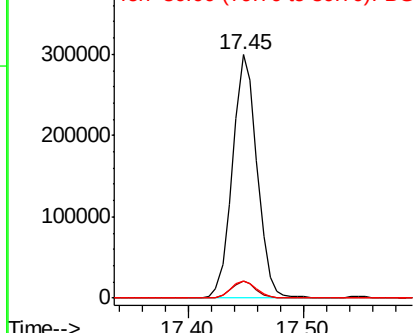


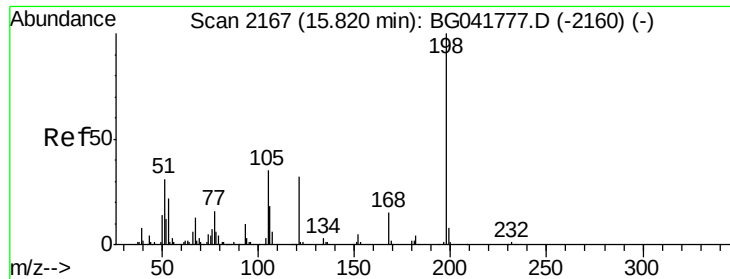
Abundance

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

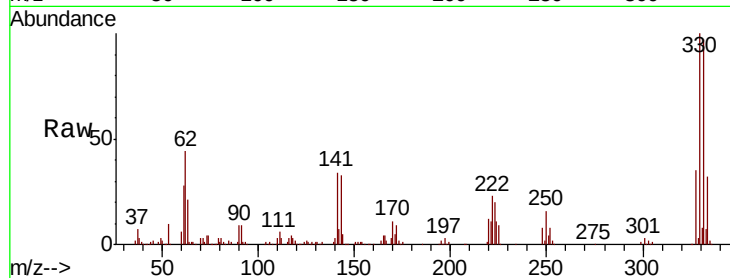




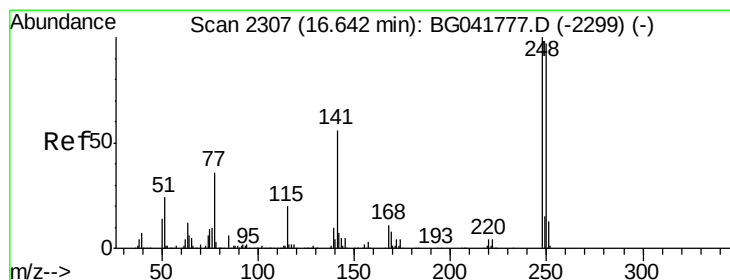
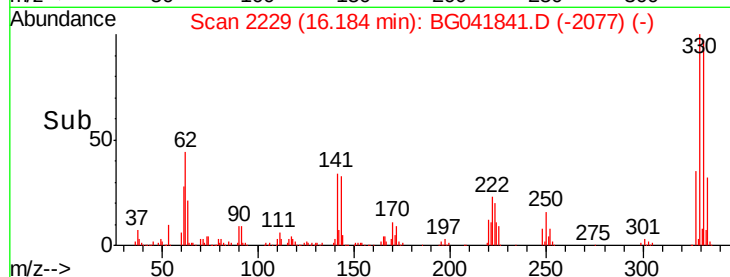
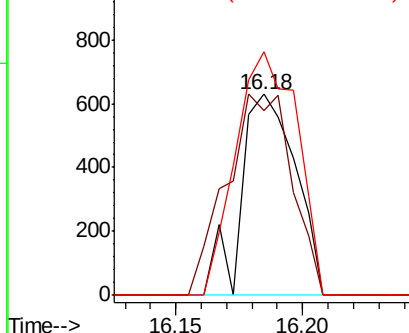
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.225 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. 0.37 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-B

Tgt Ion:198 Resp: 938
 Ion Ratio Lower Upper
 198 100
 51 91.7 22.3 62.3#
 105 121.1 18.0 58.0#

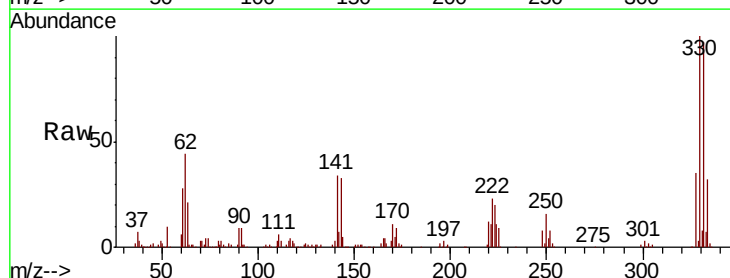


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

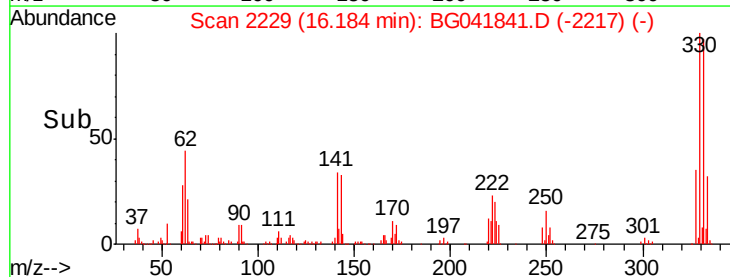
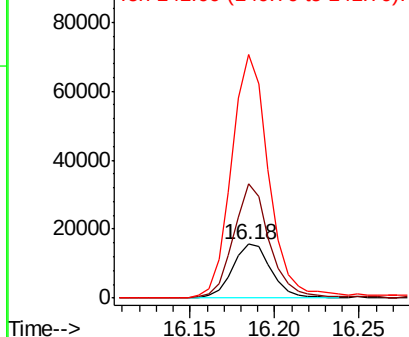


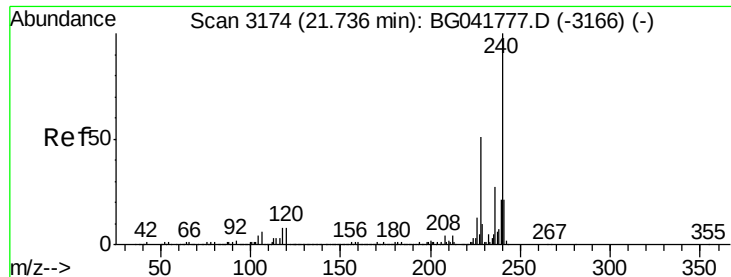
#67
 4-Bromophenyl-phenylether
 Concen: 4.617 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041841.D
 Acq: 31 Jul 2019 20:07

Tgt Ion:248 Resp: 25091
 Ion Ratio Lower Upper
 248 100
 250 211.8 78.1 117.1#
 141 451.4 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: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

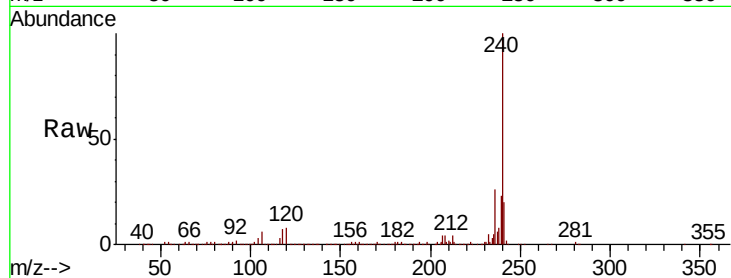
Tgt Ion:240 Resp: 698778

Ion Ratio Lower Upper

240 100

120 7.6 8.0 12.0#

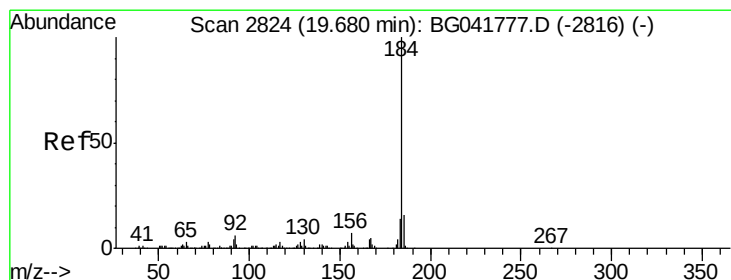
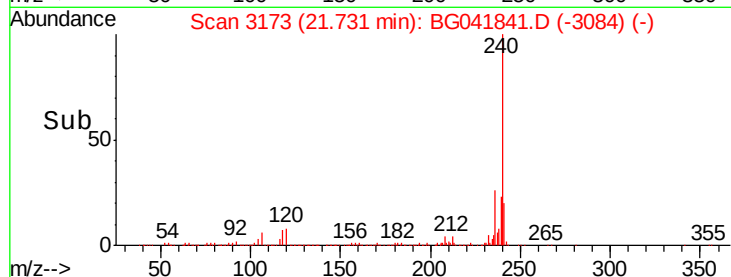
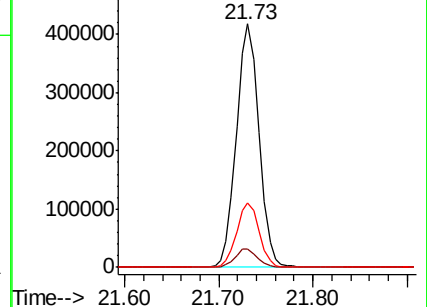
236 26.2 22.6 33.8



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



#77

Benzidine

Concen: 2.231 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.39 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

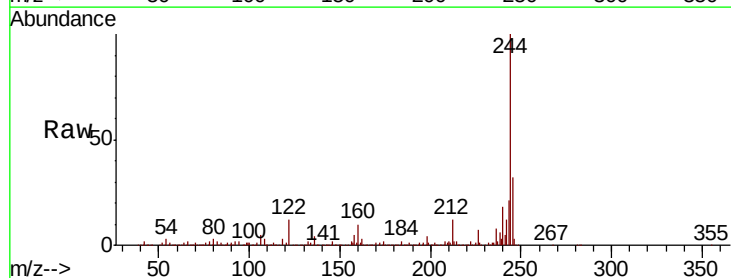
Tgt Ion:184 Resp: 50895

Ion Ratio Lower Upper

184 100

185 16.8 13.0 19.4

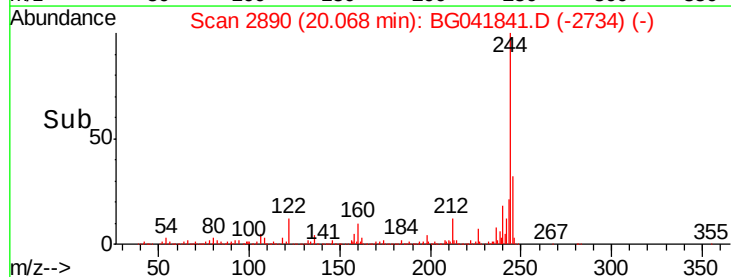
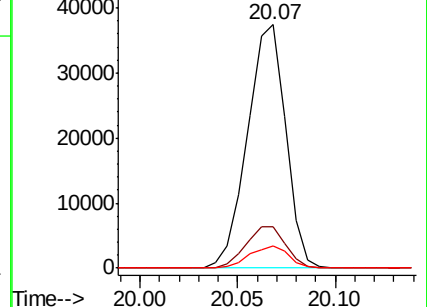
183 9.3 11.8 17.6#

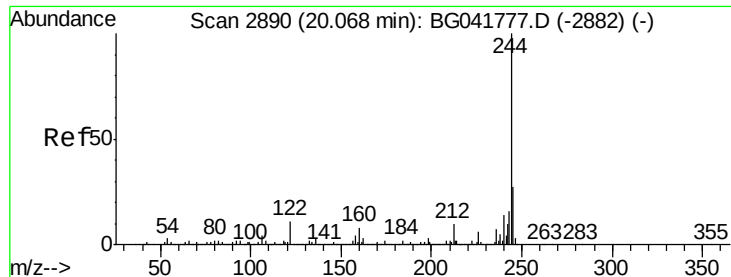


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.479 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

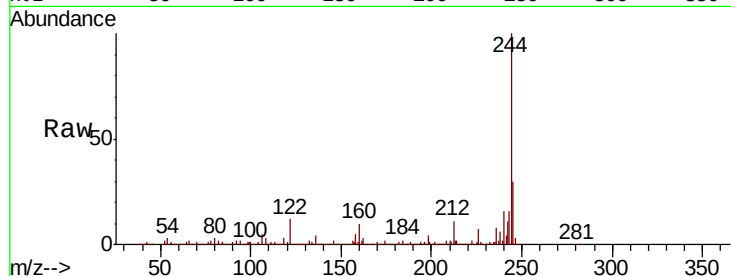
Tgt Ion:244 Resp: 2793532

Ion Ratio Lower Upper

244 100

212 11.1 9.7 14.5

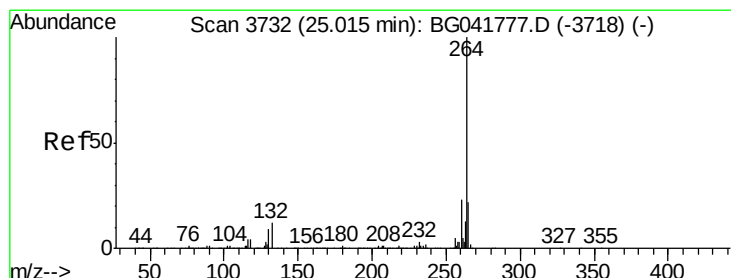
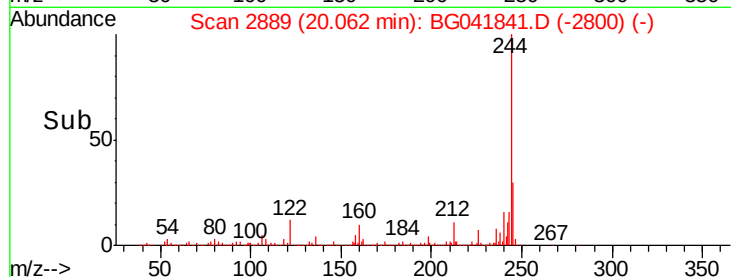
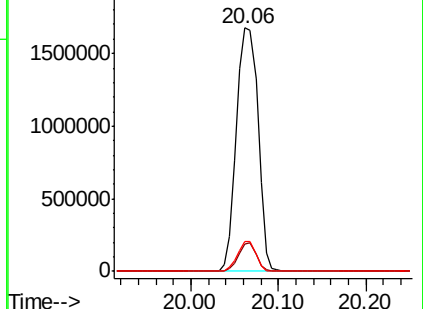
122 12.5 12.5 18.7



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: 25.00 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041841.D

Acq: 31 Jul 2019 20:07

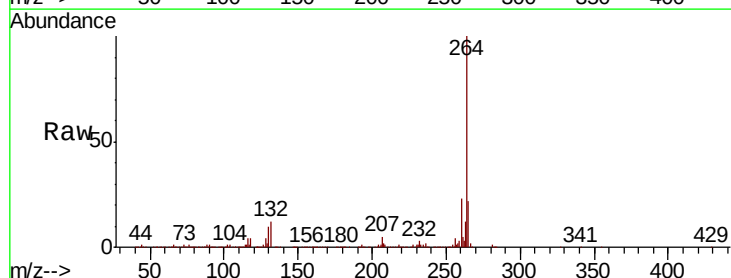
Tgt Ion:264 Resp: 741994

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 22.1 18.0 27.0



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

