

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044403.D
 Acq On : 12 Feb 2020 00:28
 Operator : CG/JU
 Sample : L1438-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Quant Time: Feb 12 03:09:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

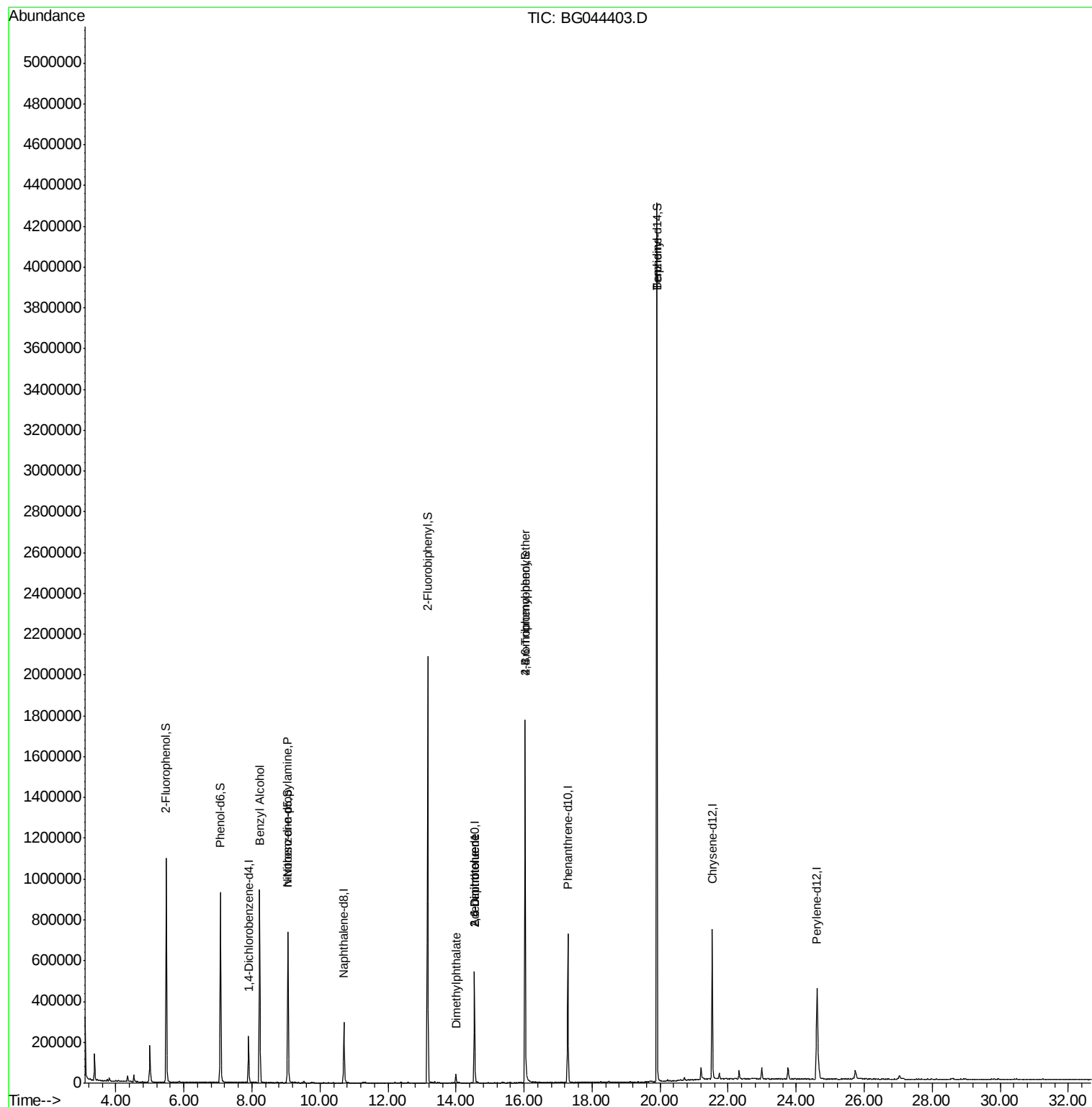
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	67686	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	283627	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	194379	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	467107	20.00	ng	0.00
76) Chrysene-d12	21.53	240	457026	20.00	ng	0.00
87) Perylene-d12	24.61	264	473209	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	525924	137.13	ng	0.00
7) Phenol-d6	7.08	99	629316	122.19	ng	0.00
23) Nitrobenzene-d5	9.06	82	485105	96.56	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	357788	156.79	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1129815	97.33	ng	0.00
79) Terphenyl-d14	19.90	244	1967767	88.56	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.22	79	7601	2.085	ng	# 46
19) n-Nitroso-di-n-propylamine	9.06	70	62339	18.162	ng	# 79
50) Dimethylphthalate	14.00	163	39925	2.857	ng	# 97
51) 2,6-Dinitrotoluene	14.54	165	24810	7.964	ng	# 29
57) 2,4-Dinitrotoluene	14.54	165	24810	5.682	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	24270	4.769	ng	# 1
77) Benzidine	19.90	184	33421	2.636	ng	# 91

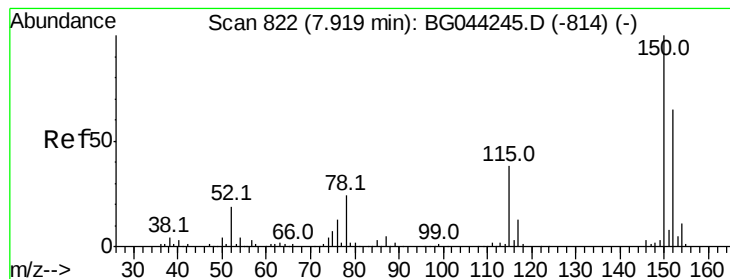
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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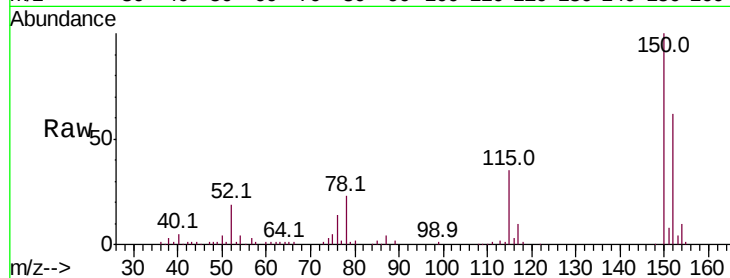


#1

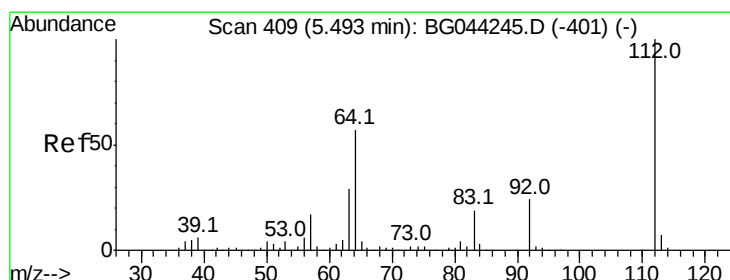
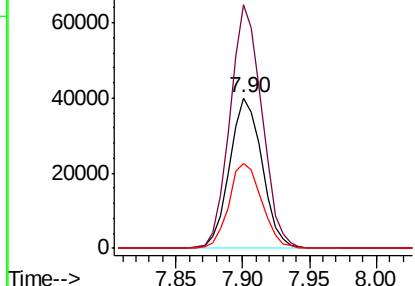
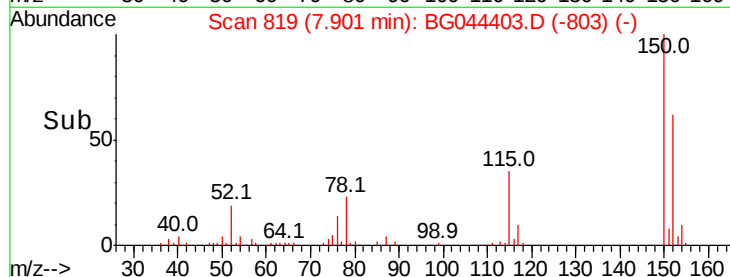
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Tot Ion:152 Resp: 67686
 Ion Ratio Lower Upper
 152 100
 150 161.4 122.6 183.8
 115 56.6 46.0 69.0



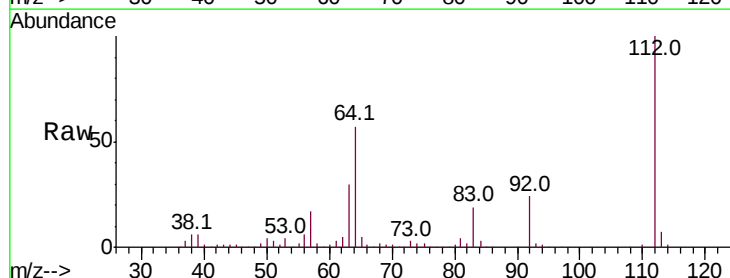
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



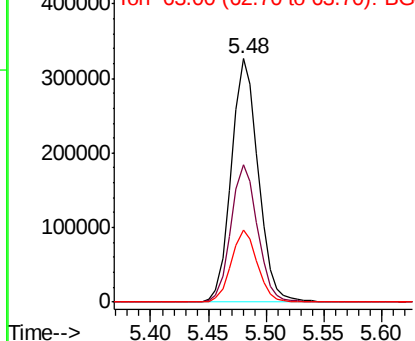
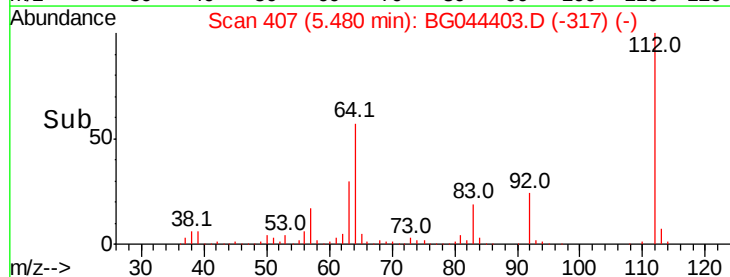
#5

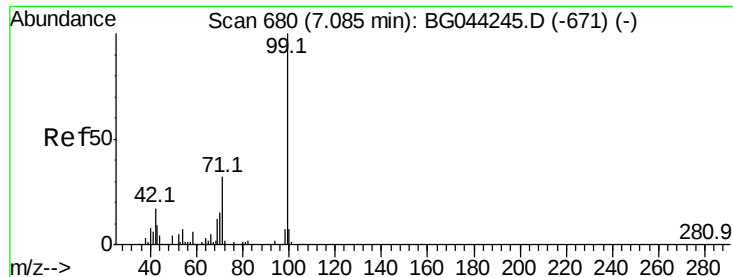
2-Fluorophenol
 Concen: 137.129 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Tgt Ion:112 Resp: 525924
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.4 68.2
 63 29.6 22.9 34.3



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: 122.194 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-0203

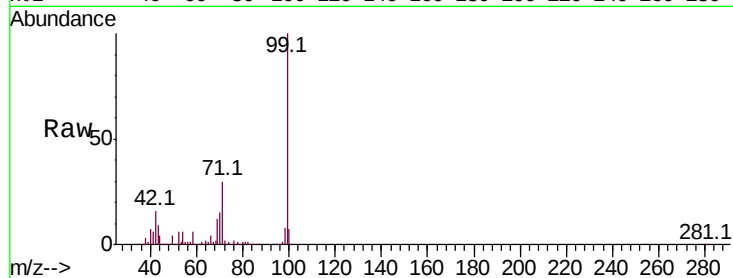
Tot Ion: 99 Resp: 629316

Ion Ratio Lower Upper

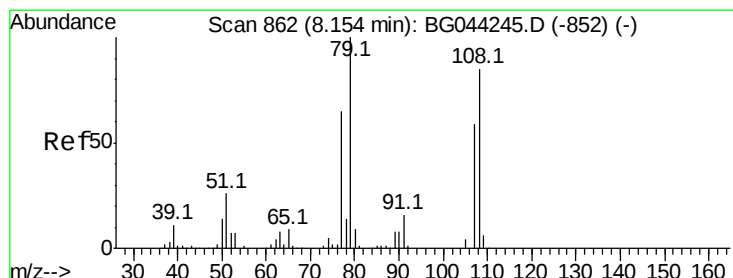
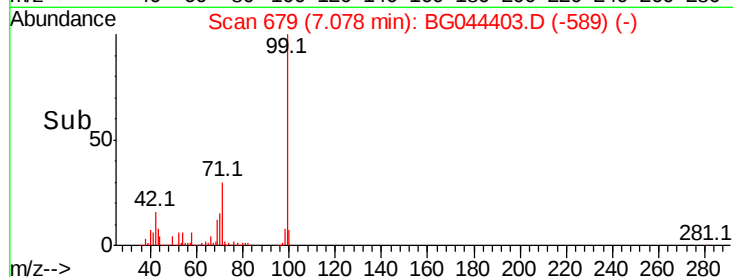
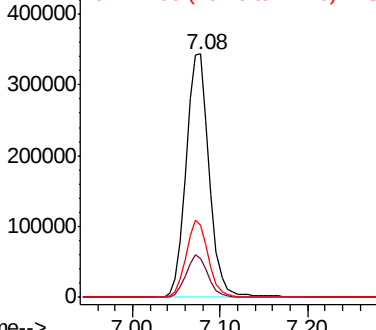
99 100

42 15.9 13.8 20.6

71 29.8 25.5 38.3



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: 2.085 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.08 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

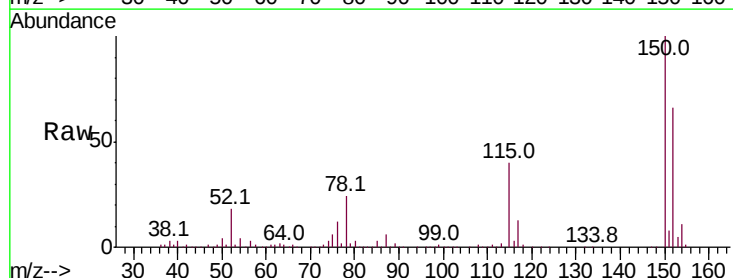
Tgt Ion: 79 Resp: 7601

Ion Ratio Lower Upper

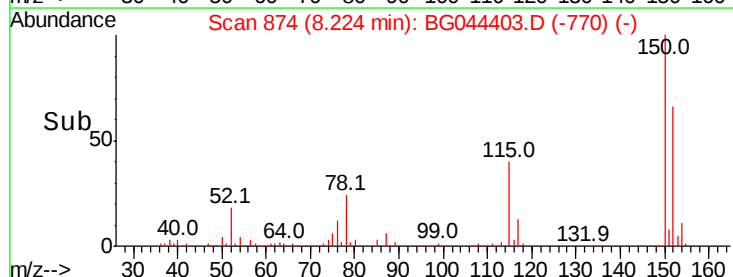
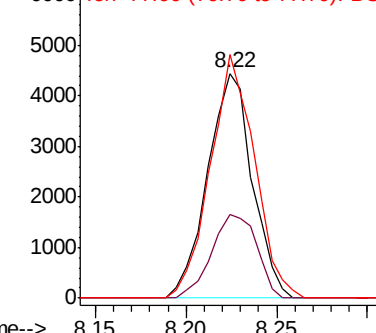
79 100

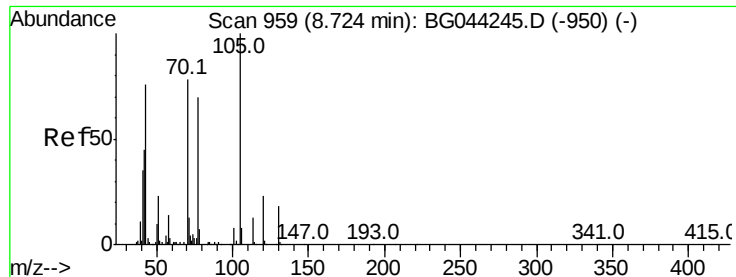
108 37.1 68.3 102.5#

77 108.4 51.8 77.8#



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: 18.162 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-0203

Tot Ion: 70 Resp: 62339

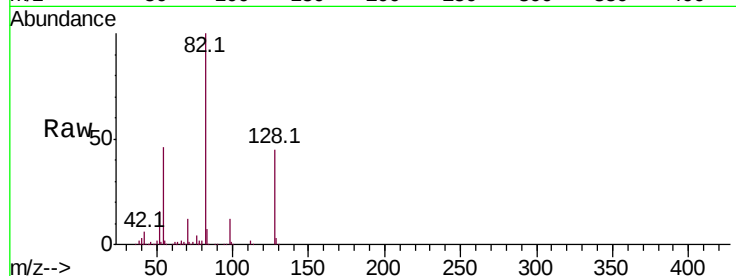
Ion Ratio Lower Upper

70 100

42 49.2 46.2 69.2

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

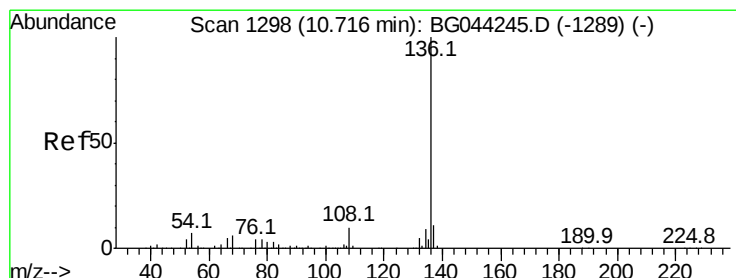
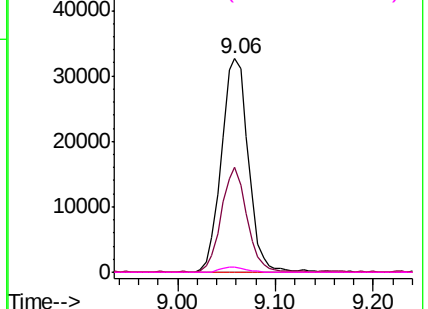
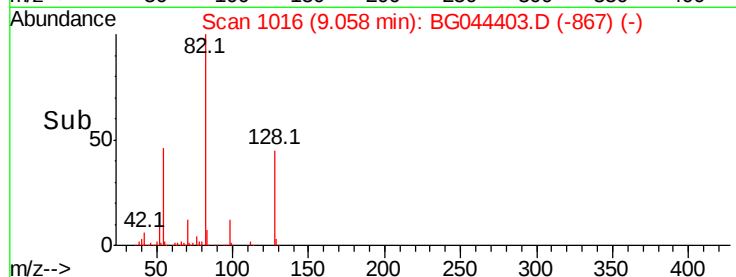


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.70 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

Tgt Ion: 136 Resp: 283627

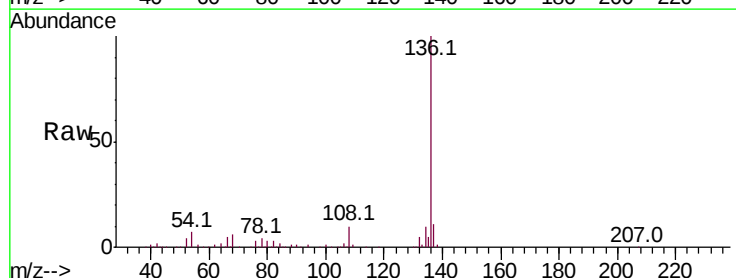
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.5 5.8 8.8

68 5.9 4.6 6.8

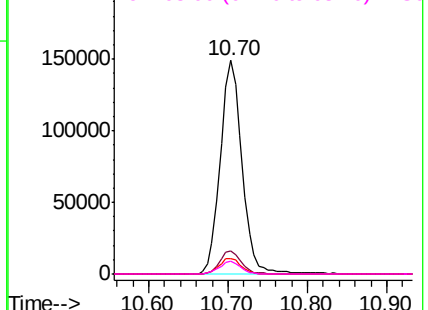
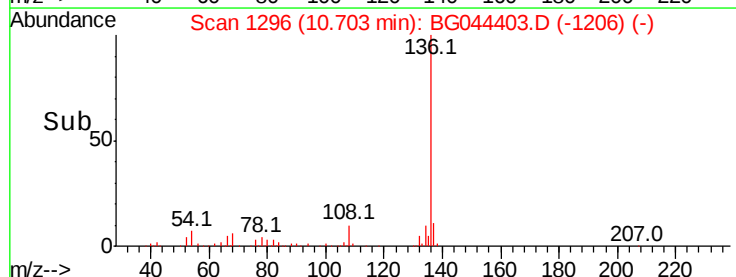


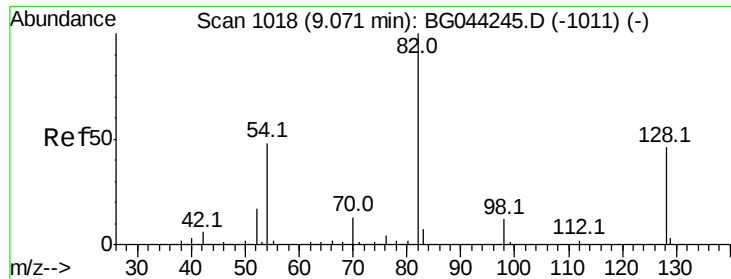
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

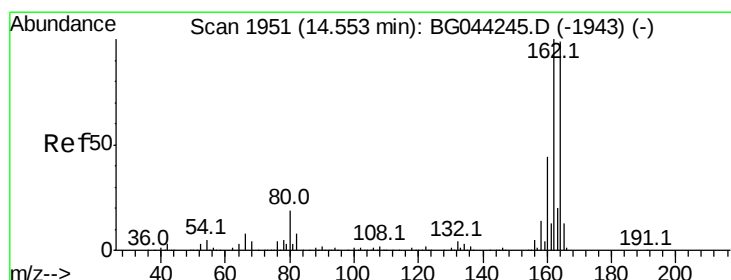
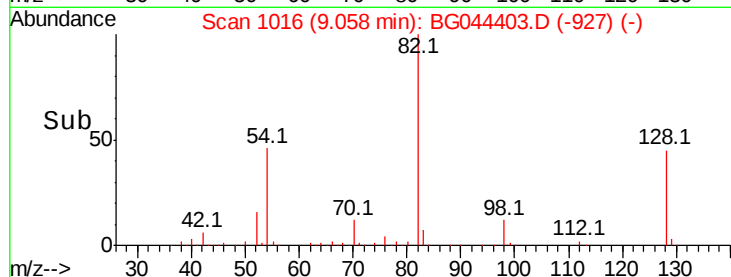
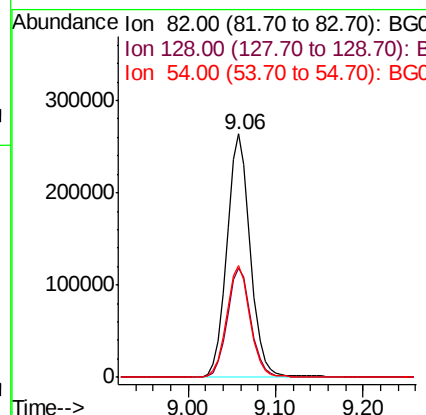
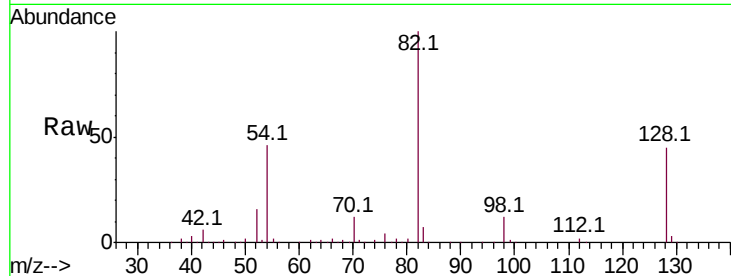




#23
Nitrobenzene-d5
Concen: 96.561 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044403.D
Acq: 12 Feb 2020 00:28

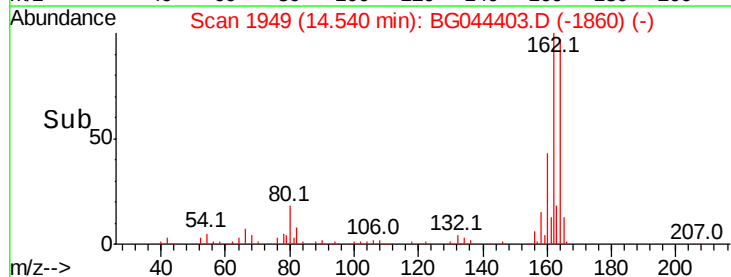
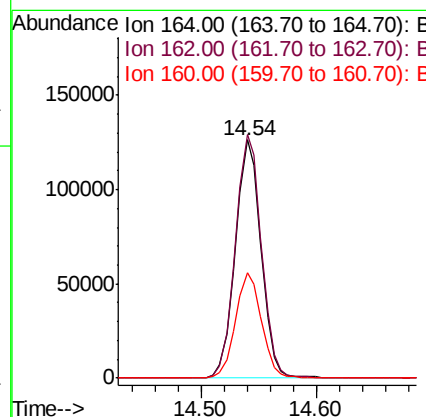
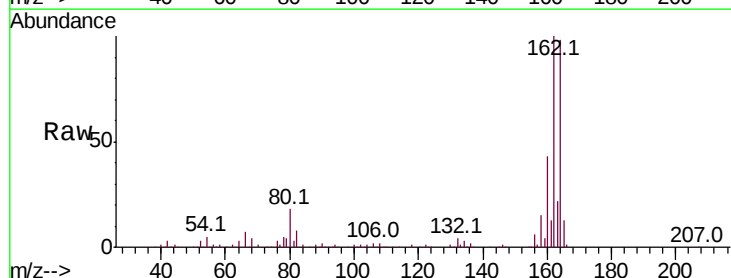
Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-0203

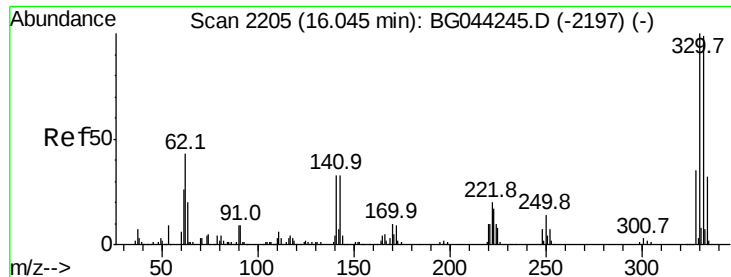
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.5	54.7
54	46.1	38.6	58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044403.D
Acq: 12 Feb 2020 00:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.7	121.1
160	44.4	35.3	52.9

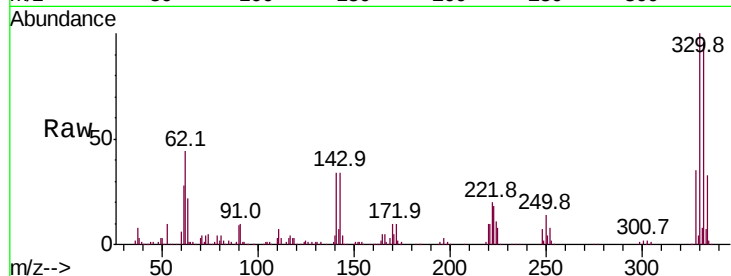




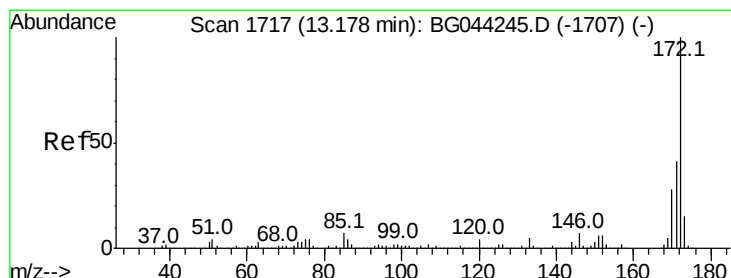
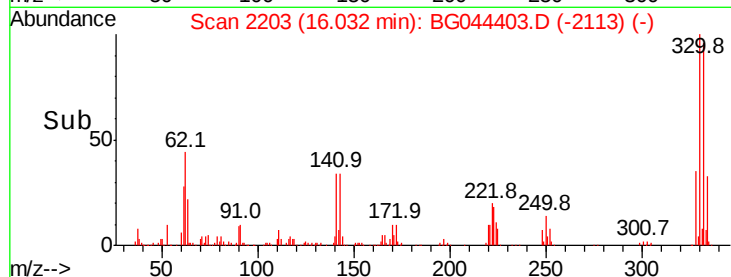
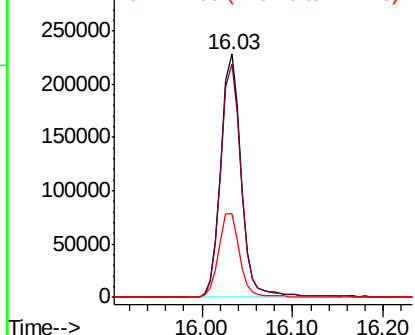
#42
 2,4,6-Tribromophenol
 Concen: 156.794 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	35.4	28.3	42.5

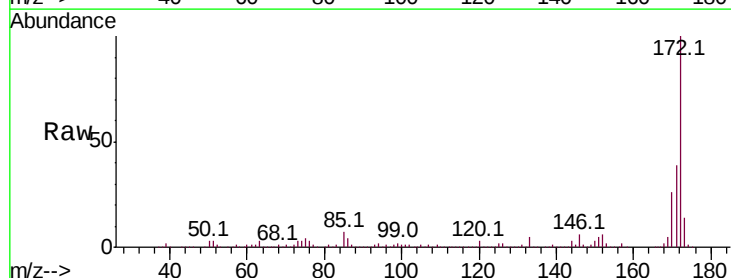


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

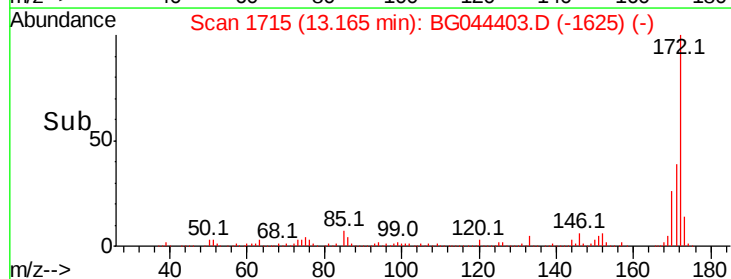
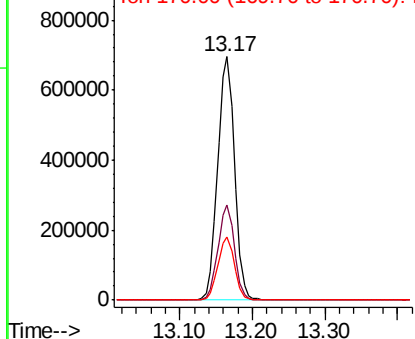


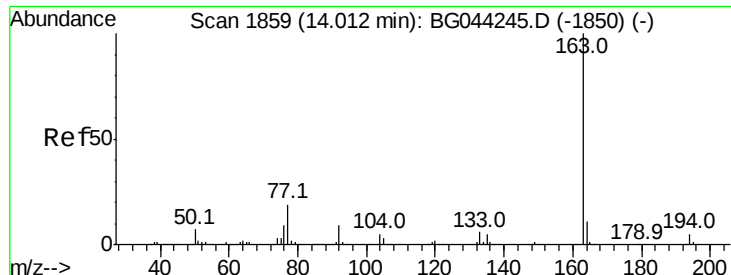
#45
 2-Fluorobiphenyl
 Concen: 97.332 ng
 RT: 13.17 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	32.9	49.3
170	26.0	22.0	33.0



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





#50

Dimethylphthalate

Concen: 2.857 ng

RT: 14.00 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-0203

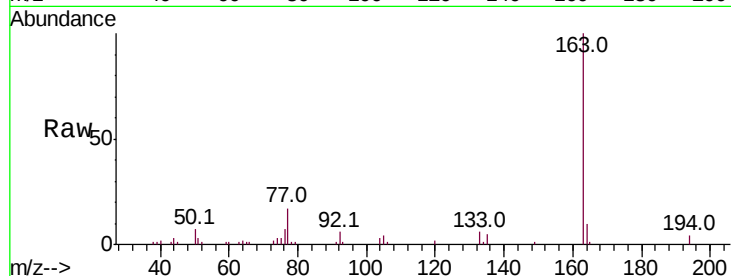
Tot Ion:163 Resp: 39925

Ion Ratio Lower Upper

163 100

194 3.6 3.6 5.4

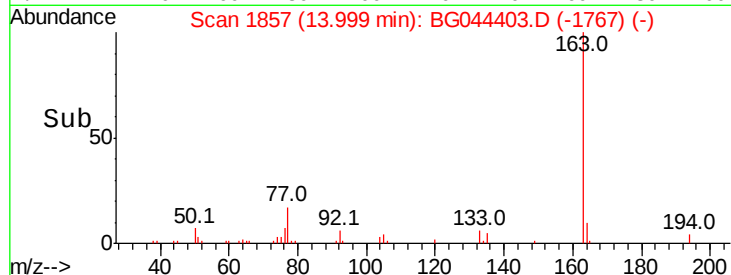
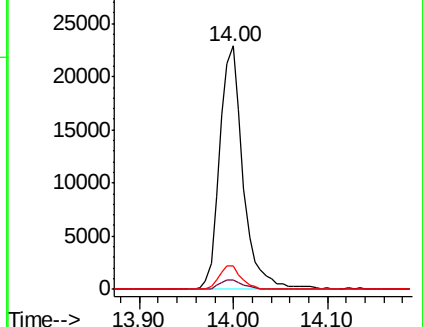
164 9.5 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.964 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.42 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

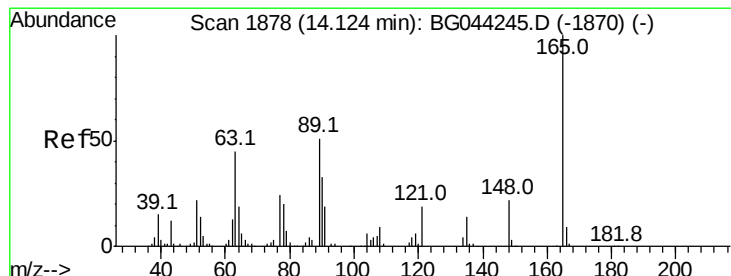
Tgt Ion:165 Resp: 24810

Ion Ratio Lower Upper

165 100

63 0.0 38.7 58.1#

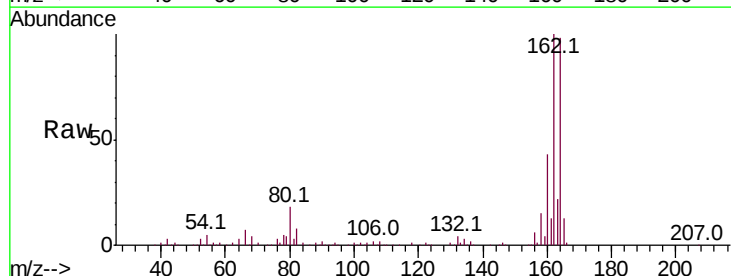
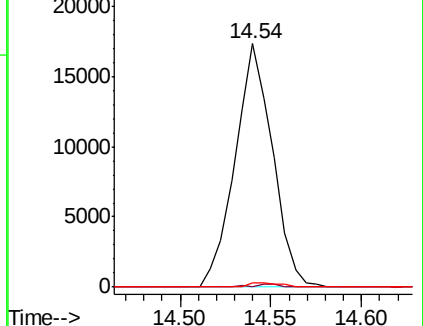
89 1.6 40.4 60.6#

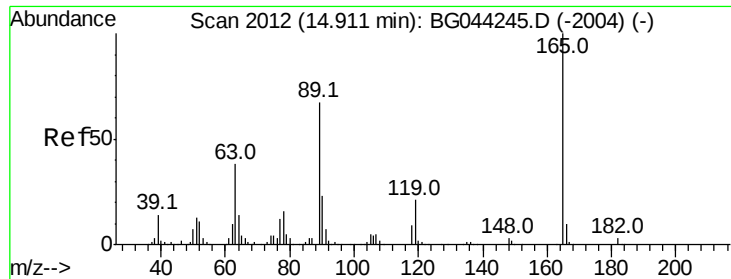


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

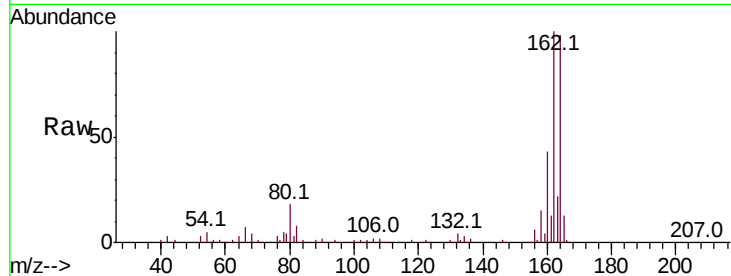




#57
 2,4-Dinitrotoluene
 Concen: 5.682 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#



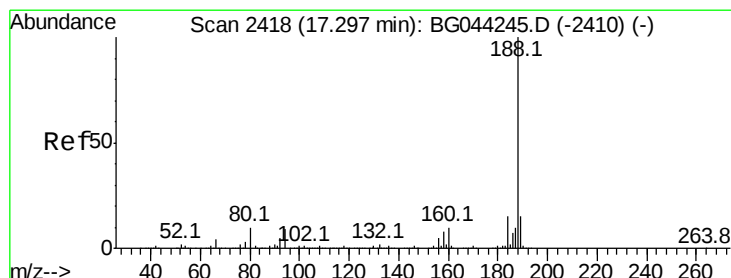
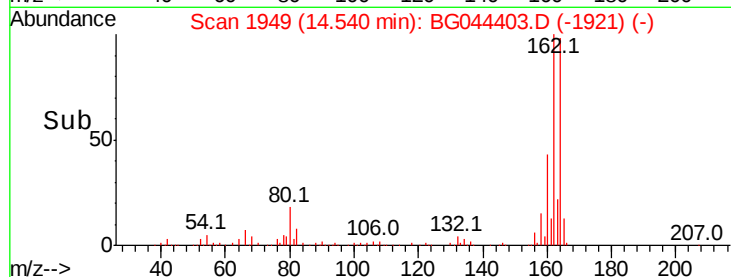
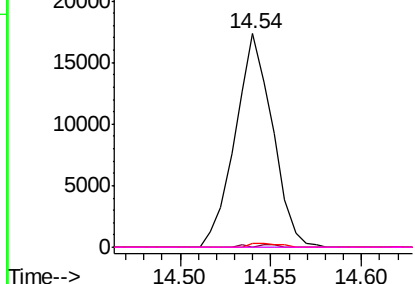
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

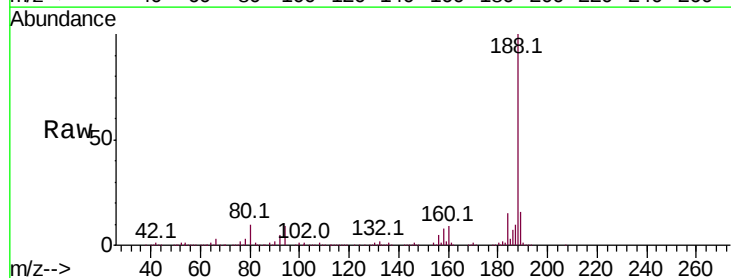
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	10.0	7.7	11.5

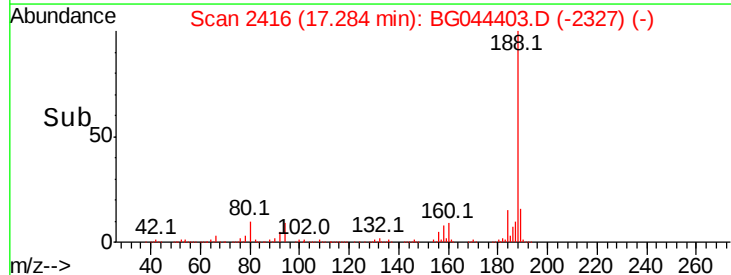
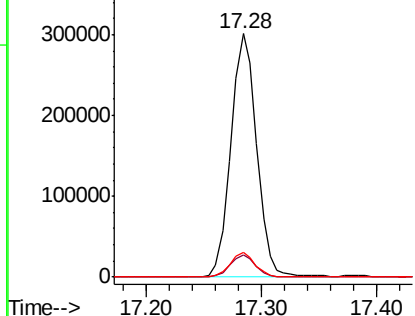


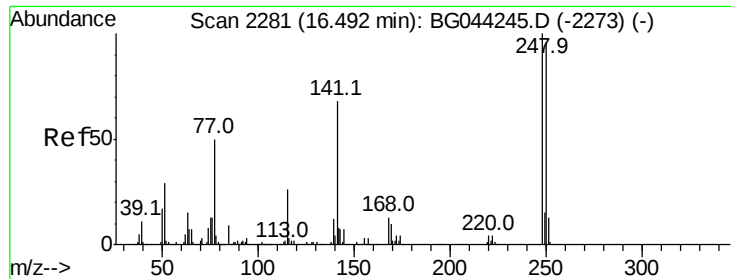
Abundance

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

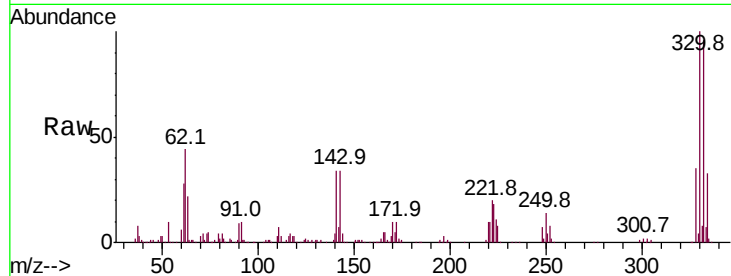




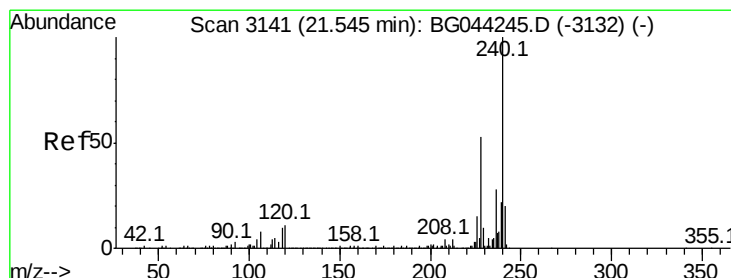
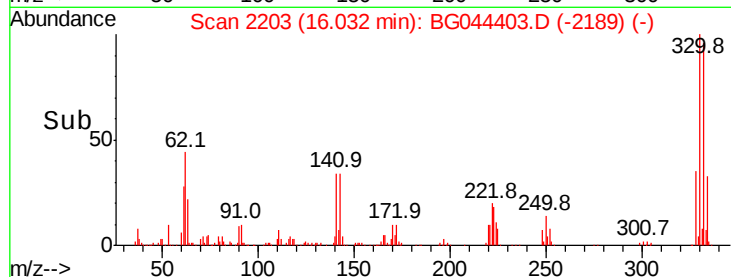
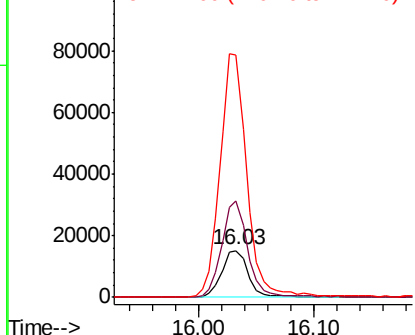
#67
 4-Bromophenyl-phenylether
 Concen: 4.769 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Tot Ion:248 Resp: 24270
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.6 114.8#
 141 516.3 54.7 82.1#

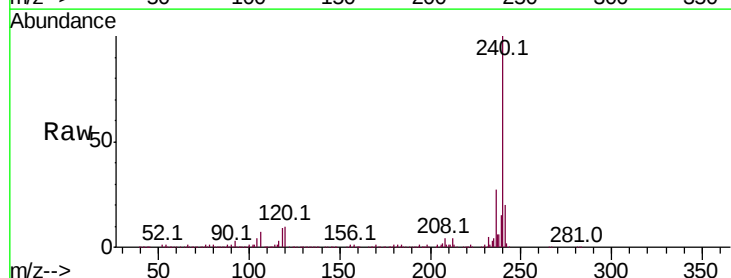


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

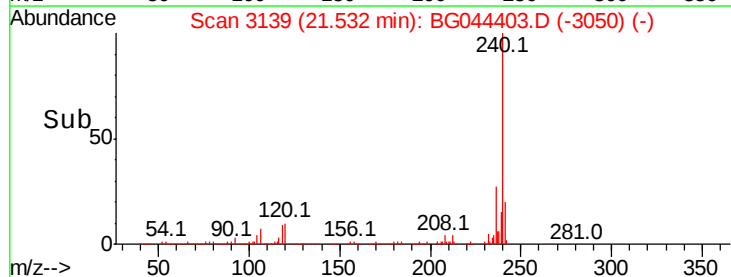
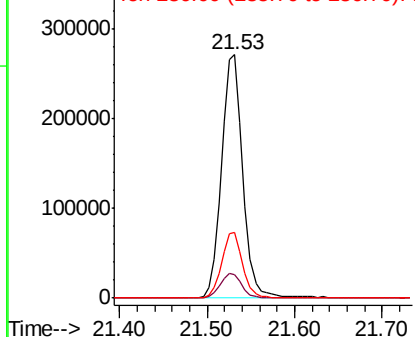


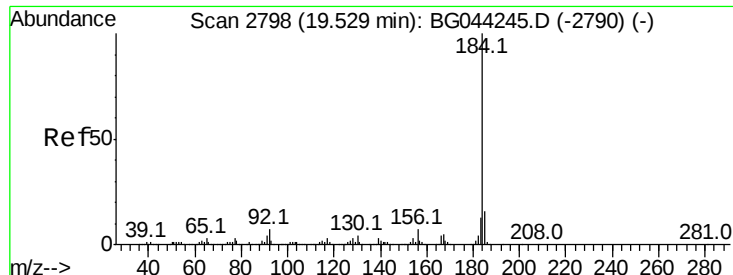
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Tgt Ion:240 Resp: 457026
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.4 12.6
 236 26.9 22.1 33.1



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: 2.636 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-0203

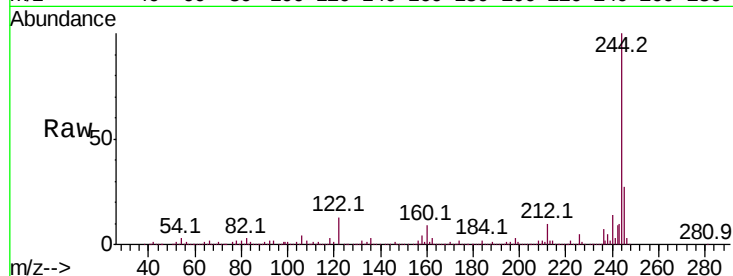
Tot Ion:184 Resp: 33421

Ion Ratio Lower Upper

184 100

185 14.4 12.9 19.3

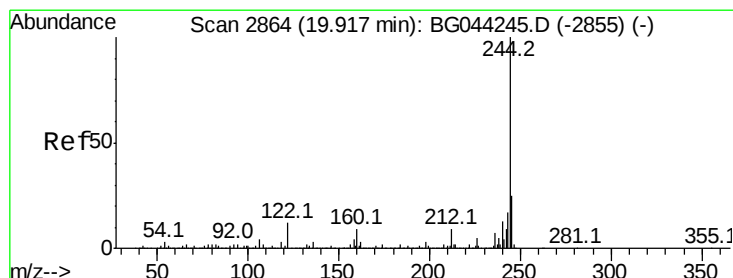
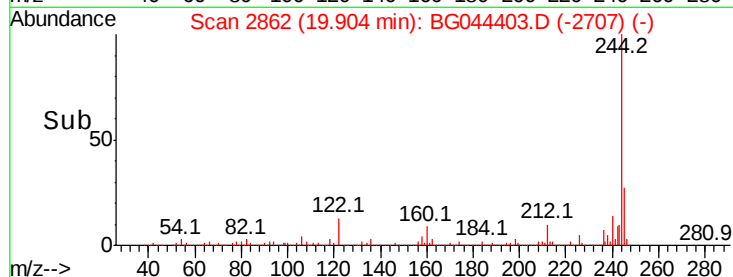
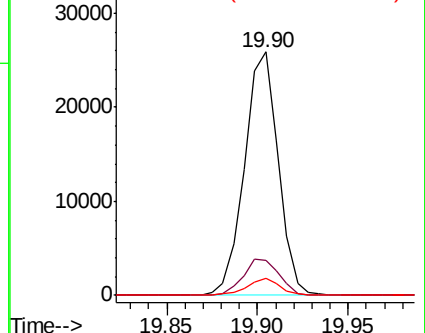
183 7.2 10.8 16.2#



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: 88.560 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044403.D

Acq: 12 Feb 2020 00:28

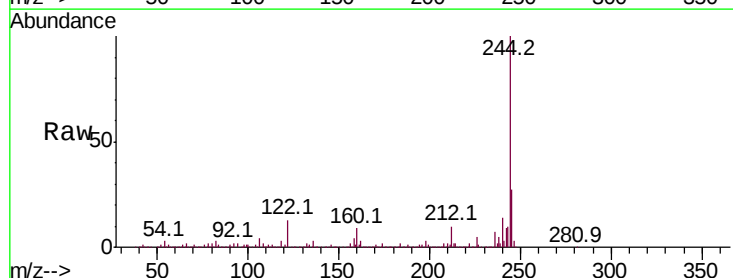
Tgt Ion:244 Resp: 1967767

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.2

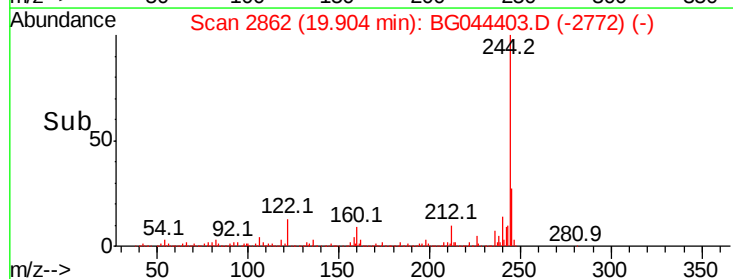
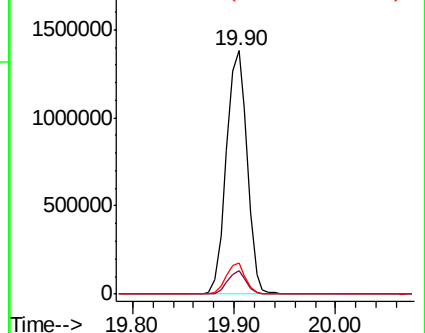
122 12.5 9.8 14.6

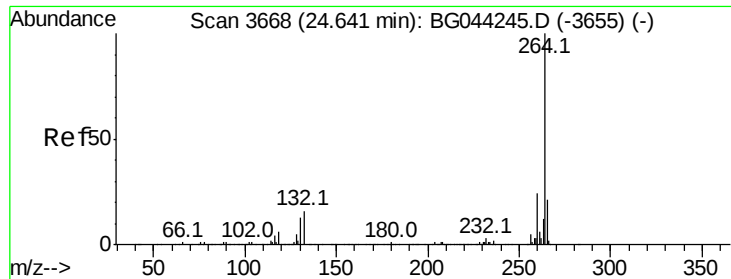


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.61 min Scan# 3663
 Delta R.T. -0.01 min
 Lab File: BG044403.D
 Acq: 12 Feb 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-0203

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.2	16.7	25.1

