

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043685.D
 Acq On : 18 Nov 2019 22:51
 Operator : JU
 Sample : K5782-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:41:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

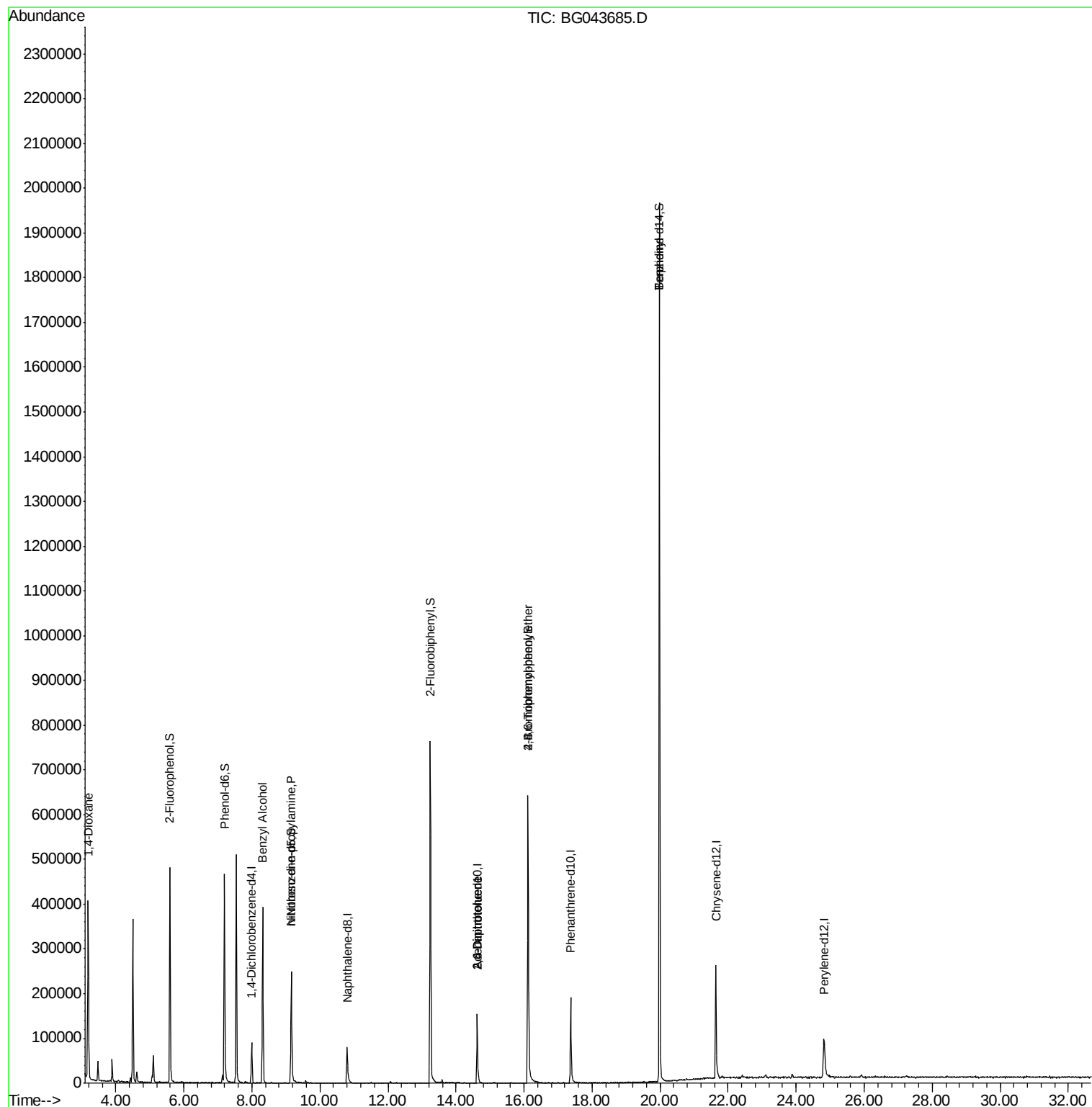
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	26602	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	94899	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	62549	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	171005	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	189165	20.00	ng	-0.02
87) Perylene-d12	24.82	264	80952	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	217425	149.77	ng	0.00
7) Phenol-d6	7.19	99	280349	134.22	ng	0.00
23) Nitrobenzene-d5	9.16	82	180747	98.19	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	174537	146.63	ng	-0.02
45) 2-Fluorobiphenyl	13.24	172	474848	104.90	ng	-0.02
79) Terphenyl-d14	19.98	244	1100986	109.19	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.20	88	4291	7.585	ng	# 1
15) Benzyl Alcohol	8.31	79	3324	2.266	ng	# 42
19) n-Nitroso-di-n-propylamine	9.16	70	25403	18.822	ng	# 78
51) 2,6-Dinitrotoluene	14.62	165	9014	8.564	ng	# 26
57) 2,4-Dinitrotoluene	14.62	165	9014	5.993	ng	# 28
67) 4-Bromophenyl-phenylether	16.12	248	11067	4.809	ng	# 1
77) Benzidine	19.98	184	15825	4.157	ng	# 88

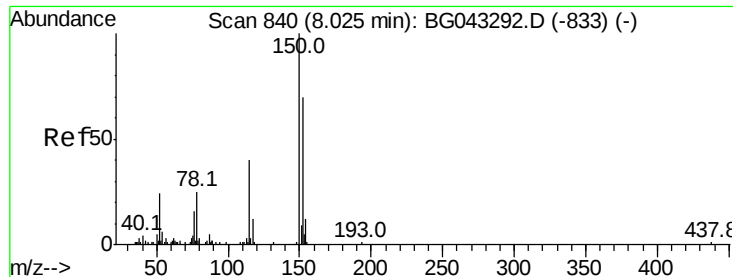
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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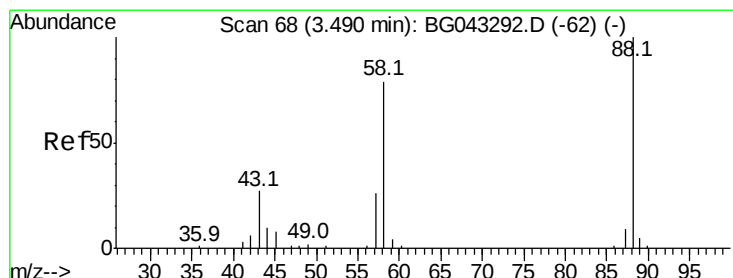
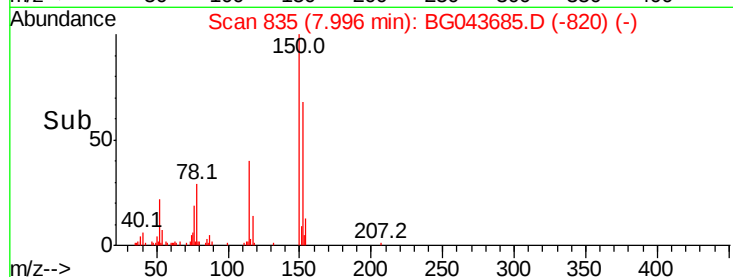
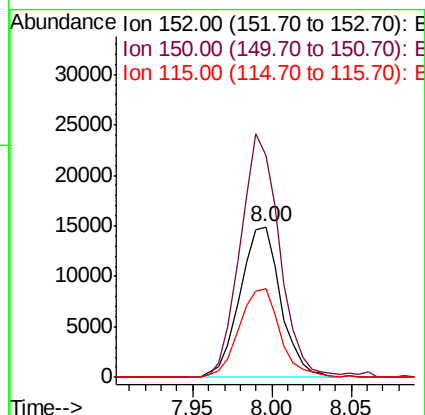
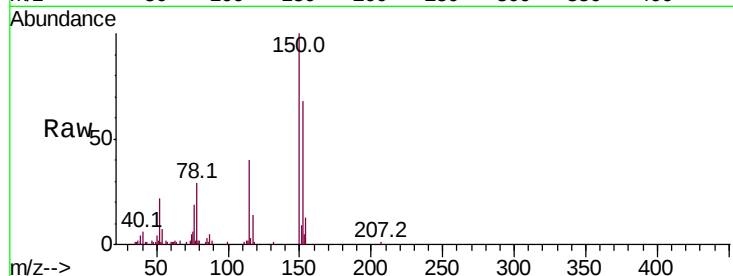


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Instrument :
BNA_G
ClientSampleId :

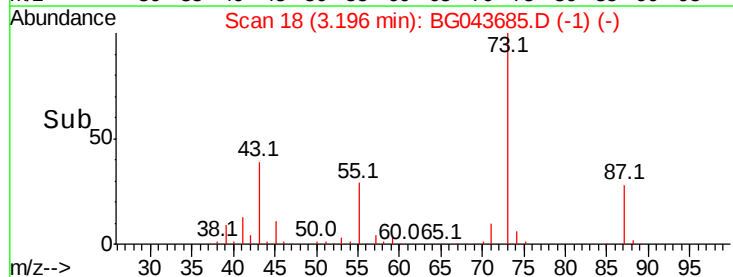
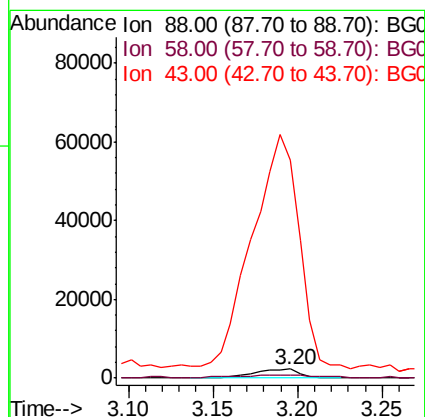
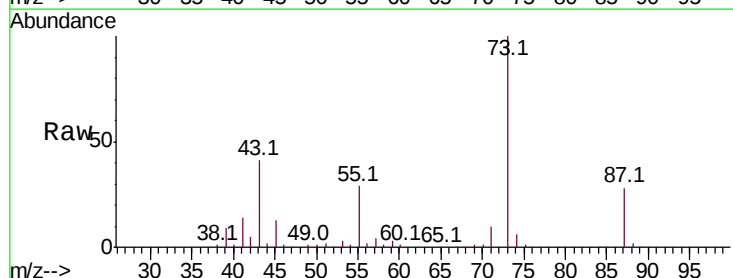
Tot Ion:152 Resp: 26602
Ion Ratio Lower Upper
152 100
150 146.9 129.4 194.0
115 58.8 48.8 73.2

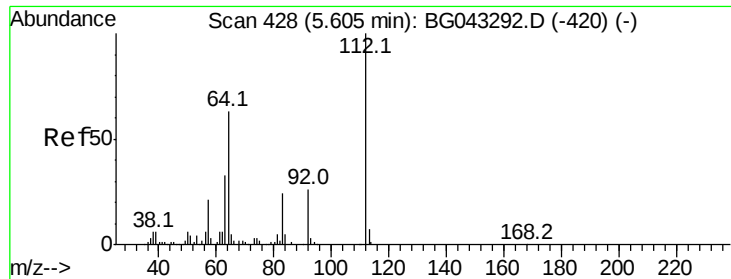


#2

1,4-Dioxane
Concen: 7.585 ng
RT: 3.20 min Scan# 18
Delta R.T. -0.28 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Tgt Ion: 88 Resp: 4291
Ion Ratio Lower Upper
88 100
58 69.9 62.7 94.1
43 2664.5 23.7 35.5#





#5

2-Fluorophenol

Concen: 149.771 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.01 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Instrument :

BNA_G

ClientSampleId :

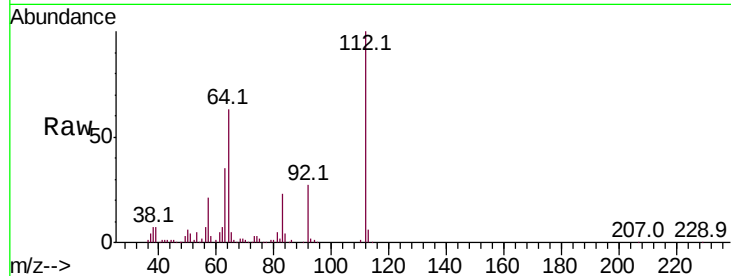
Tot Ion:112 Resp: 217425

Ion Ratio Lower Upper

112 100

64 62.8 50.0 75.0

63 35.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

150000

100000

50000

0

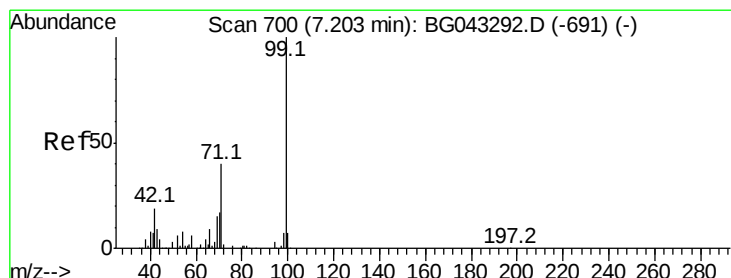
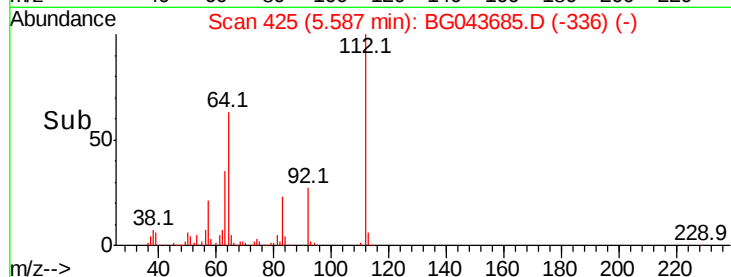
5.59

5.50

5.60

5.70

Time-->



#7

Phenol-d6

Concen: 134.223 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

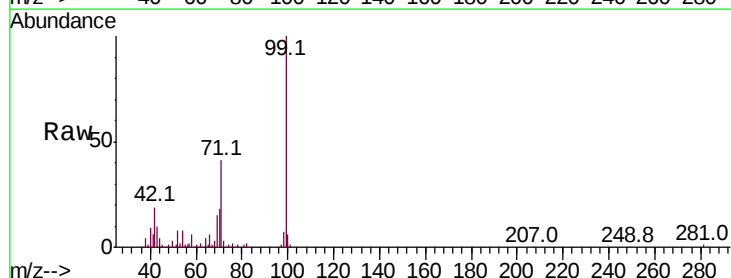
Tgt Ion: 99 Resp: 280349

Ion Ratio Lower Upper

99 100

42 19.3 14.6 21.8

71 41.2 32.5 48.7



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

200000

150000

100000

50000

0

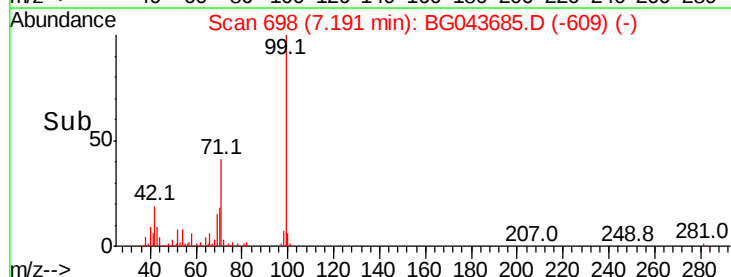
7.19

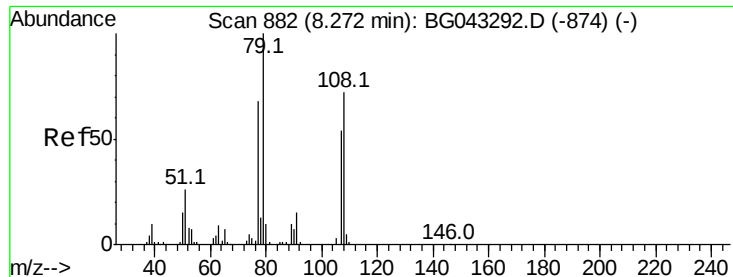
7.10

7.20

7.30

Time-->





#15

Benzyl Alcohol

Concen: 2.266 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.06 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Instrument :

BNA_G

ClientSampleId :

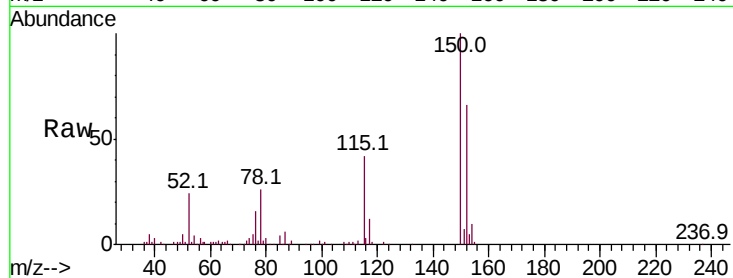
Tot Ion: 79 Resp: 3324

Ion Ratio Lower Upper

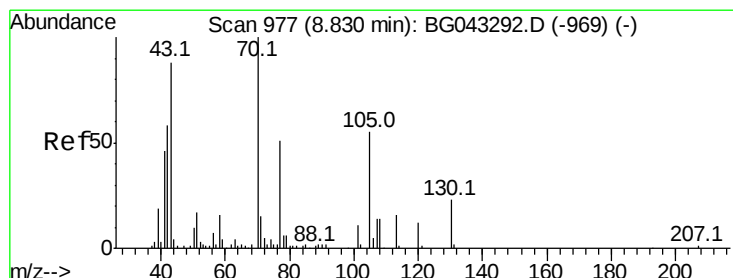
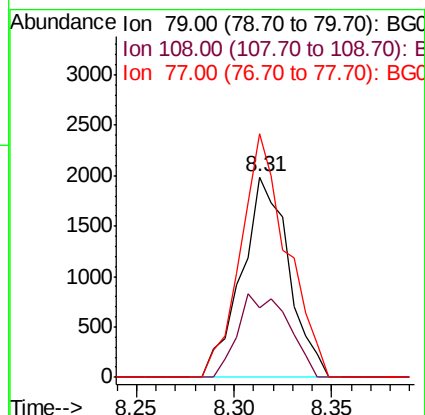
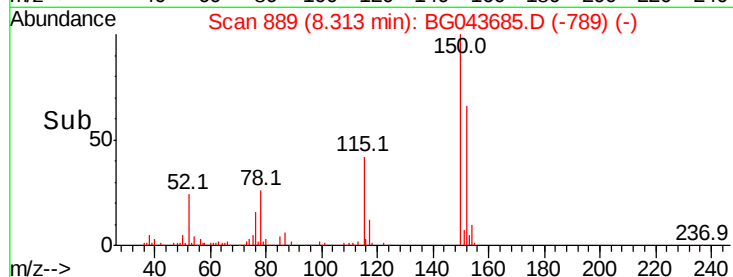
79 100

108 34.8 53.6 80.4#

77 121.7 49.6 74.4#



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: 18.822 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Tgt Ion: 70 Resp: 25403

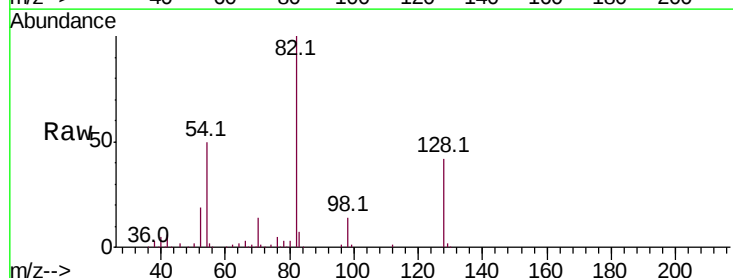
Ion Ratio Lower Upper

70 100

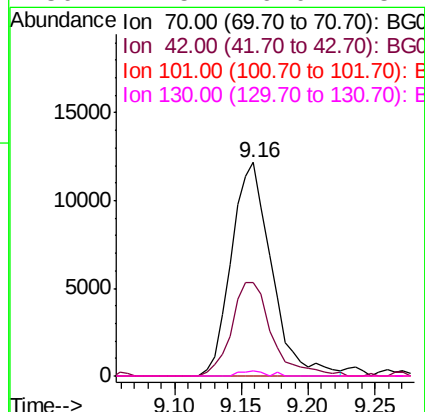
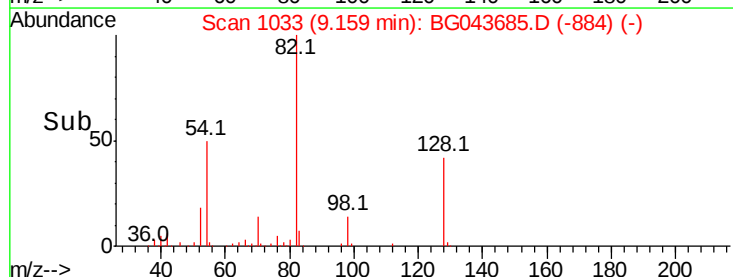
42 44.0 41.4 62.2

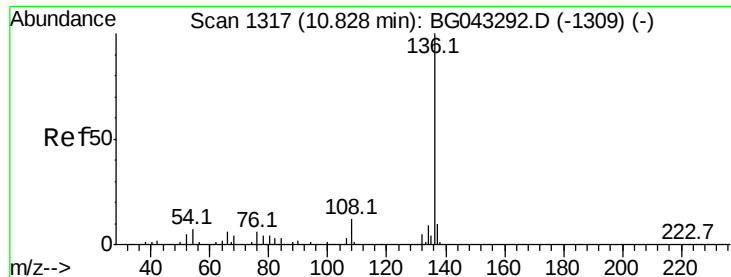
101 0.0 7.9 11.9#

130 2.5 19.0 28.4#



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: 10.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 94899

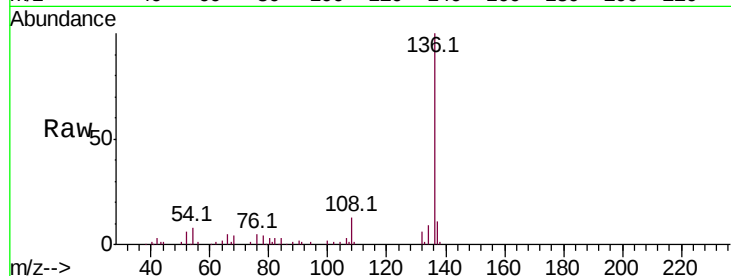
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.8 5.4 8.2

68 3.9 3.0 4.4

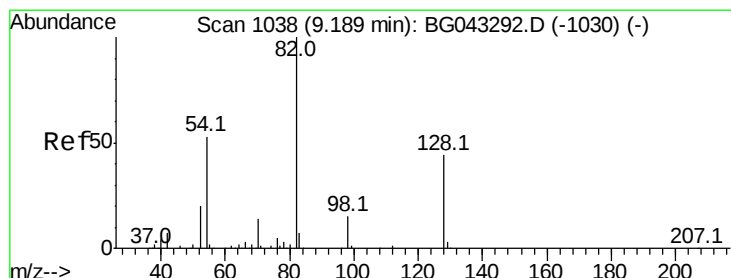
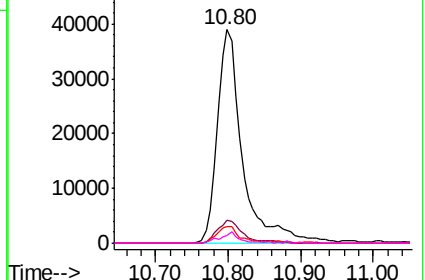
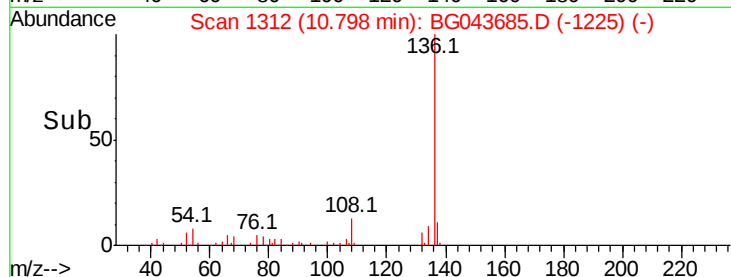


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.192 ng

RT: 9.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

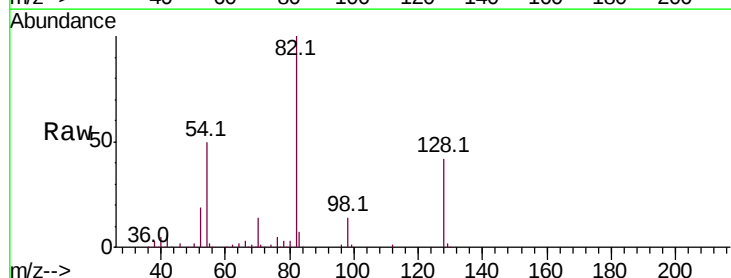
Tgt Ion: 82 Resp: 180747

Ion Ratio Lower Upper

82 100

128 42.4 35.0 52.6

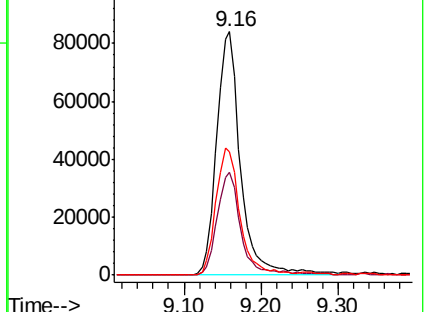
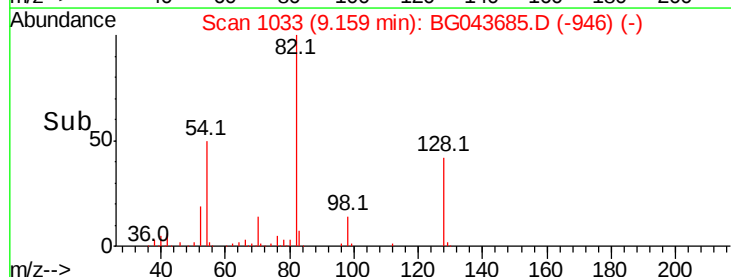
54 50.5 40.2 60.2

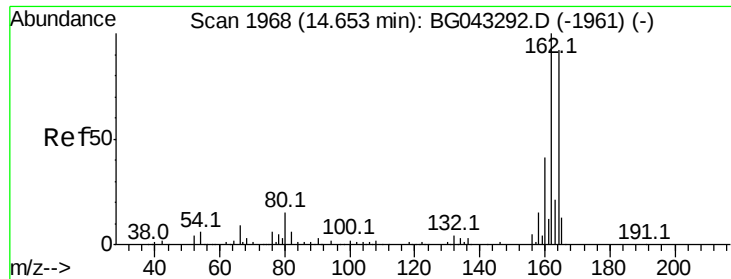


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

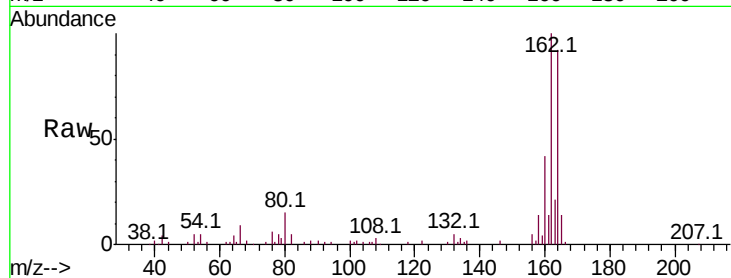




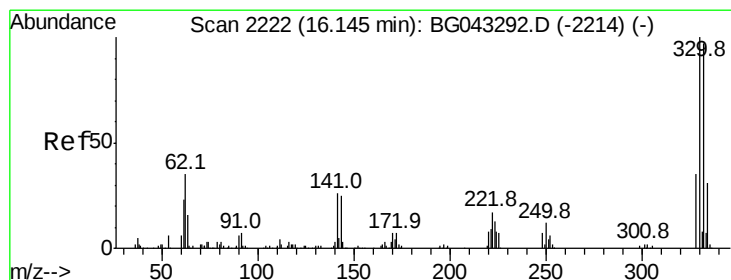
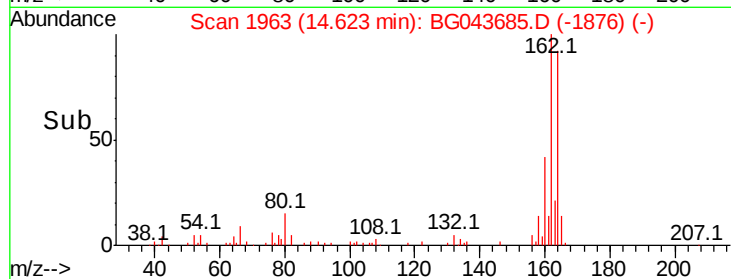
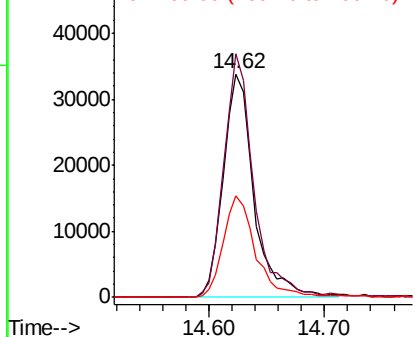
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 62549
Ion Ratio Lower Upper
164 100
162 109.1 83.5 125.3
160 45.7 36.5 54.7

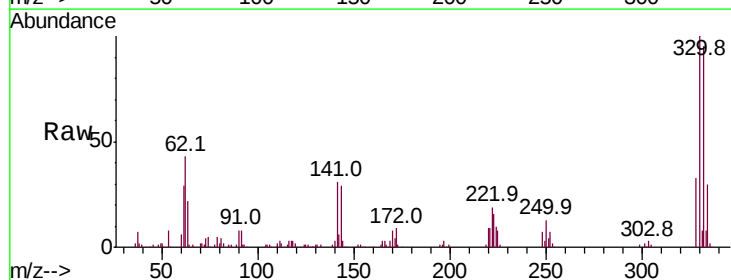


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

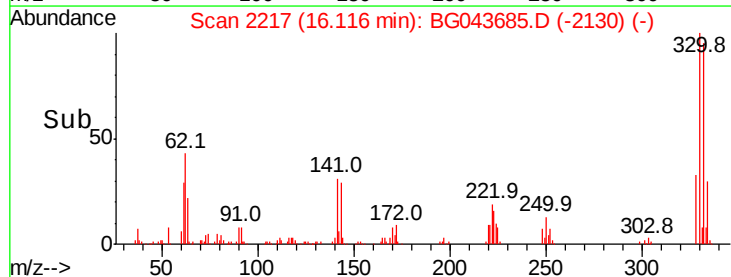
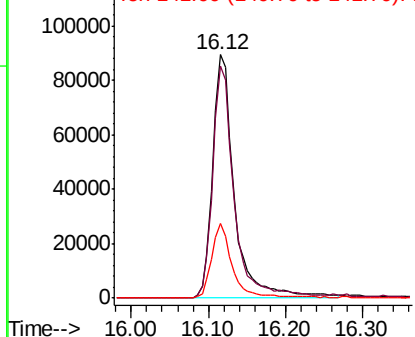


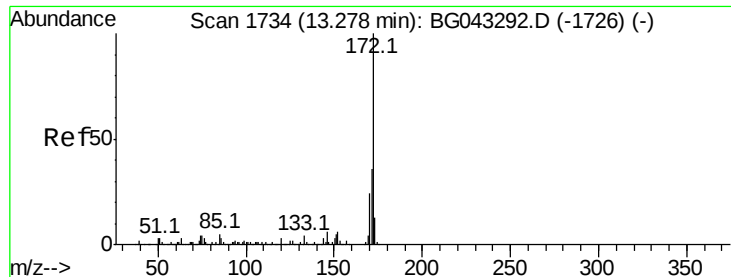
#42
2,4,6-Tribromophenol
Concen: 146.632 ng
RT: 16.12 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Tgt Ion:330 Resp: 174537
Ion Ratio Lower Upper
330 100
332 94.5 77.4 116.0
141 28.4 22.8 34.2



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

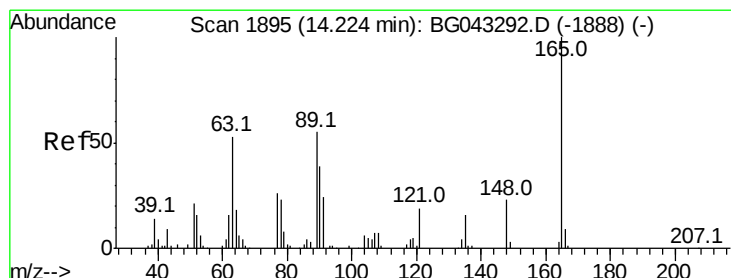
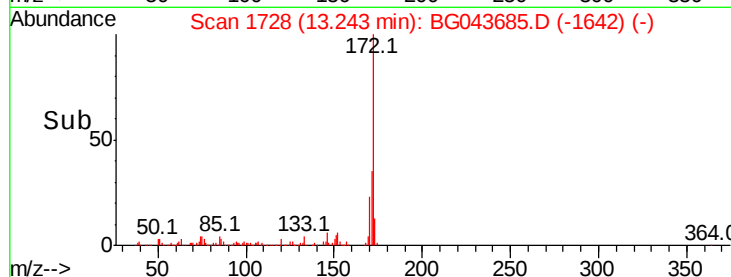
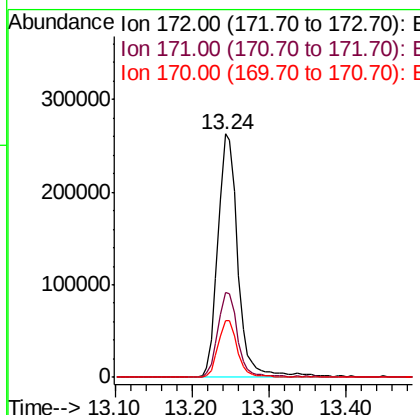
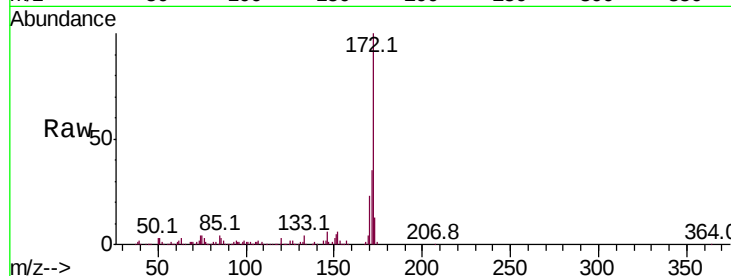




#45
2-Fluorobiphenyl
Concen: 104.901 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

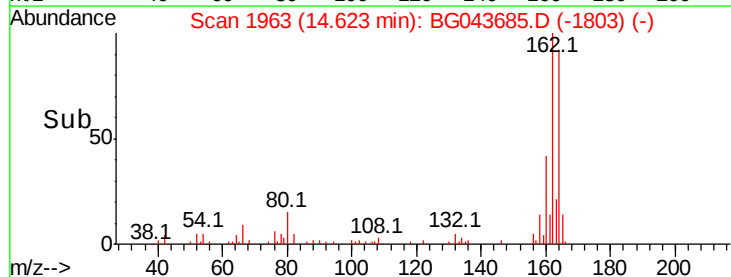
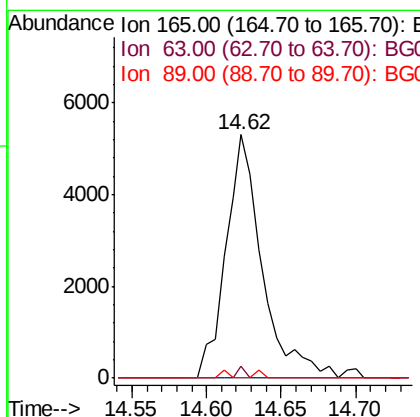
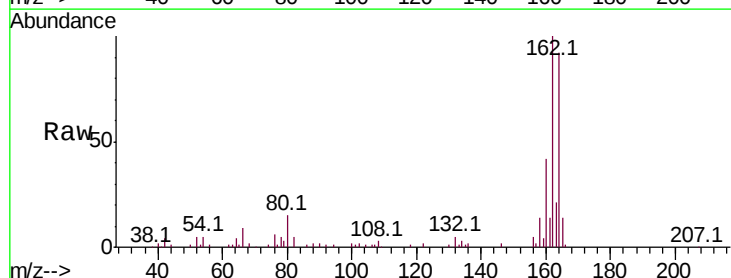
Instrument :
BNA_G
ClientSampleId :

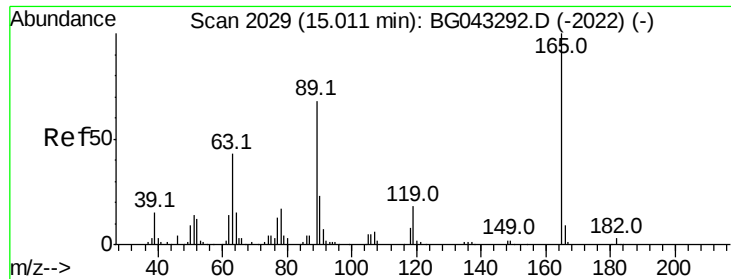
Tot Ion:172 Resp: 474848
Ion Ratio Lower Upper
172 100
171 35.1 28.9 43.3
170 23.3 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.564 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.41 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Tgt Ion:165 Resp: 9014
Ion Ratio Lower Upper
165 100
63 4.7 46.6 69.8#
89 0.0 45.1 67.7#

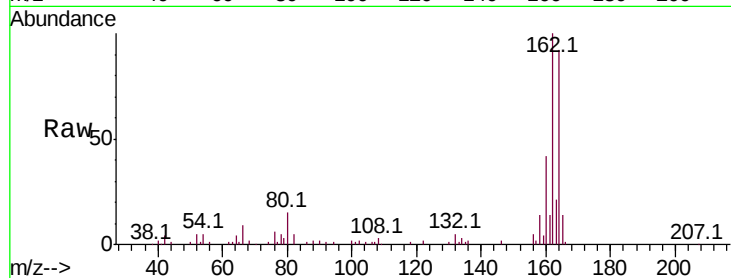




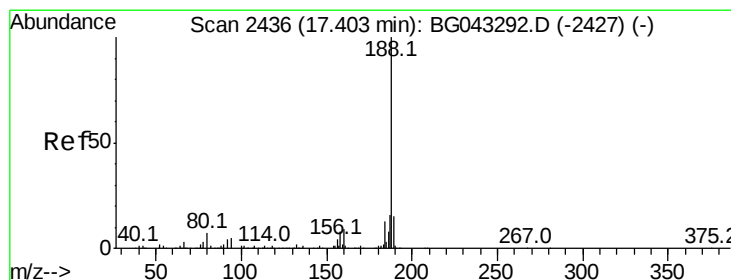
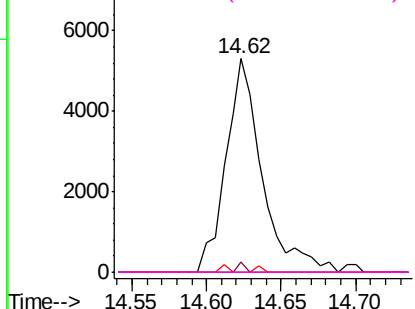
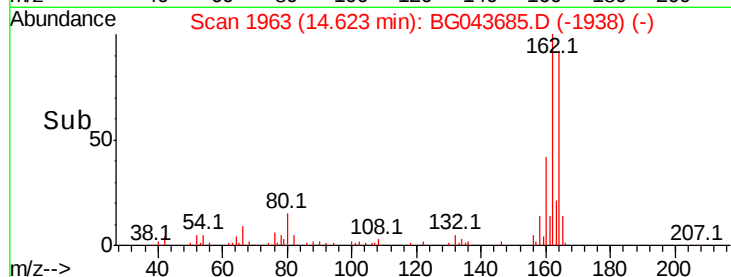
#57
 2,4-Dinitrotoluene
 Concen: 5.993 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043685.D
 Acq: 18 Nov 2019 22:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9014
 Ion Ratio Lower Upper
 165 100
 63 4.7 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#

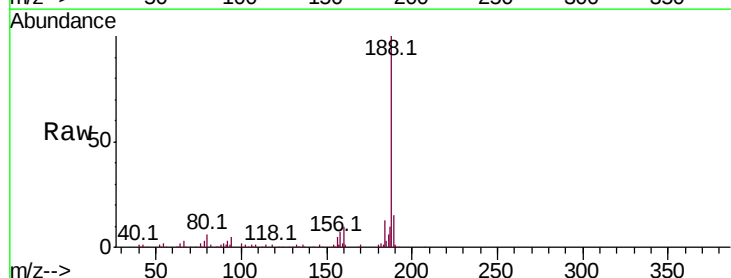


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

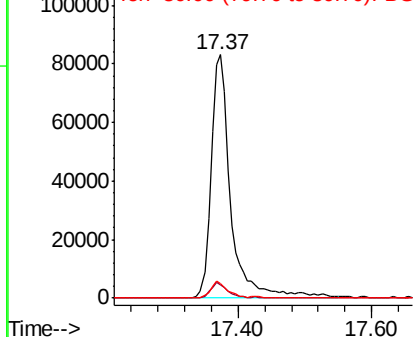
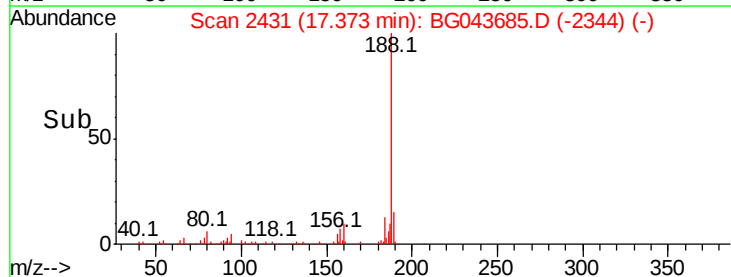


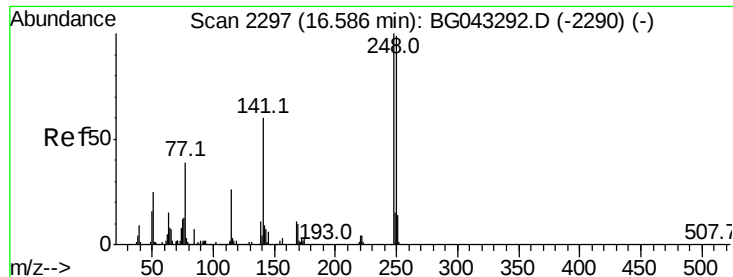
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043685.D
 Acq: 18 Nov 2019 22:51

Tgt Ion:188 Resp: 171005
 Ion Ratio Lower Upper
 188 100
 94 5.3 4.2 6.4
 80 5.7 4.5 6.7



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

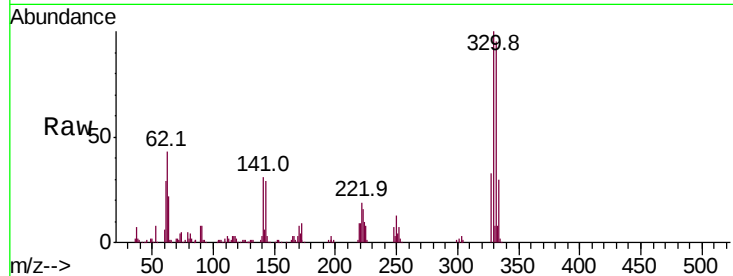




#67
4-Bromophenyl-phenylether
Concen: 4.809 ng
RT: 16.12 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.5	77.0	115.4#
141	438.4	47.5	71.3#

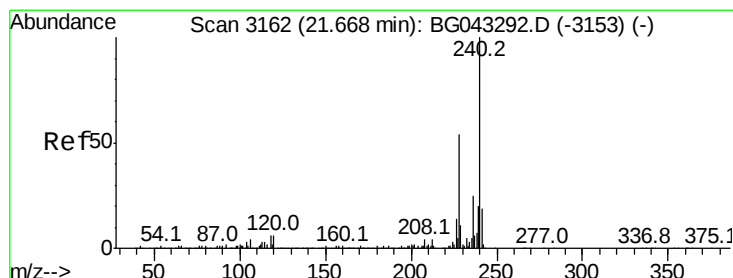
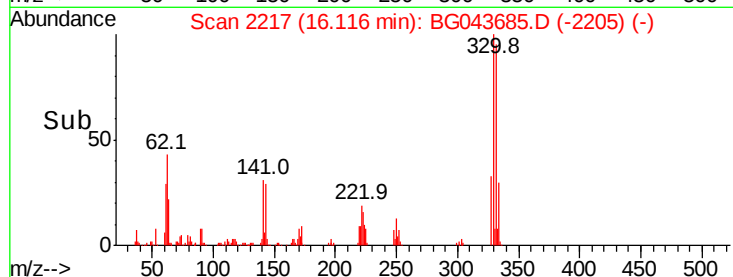
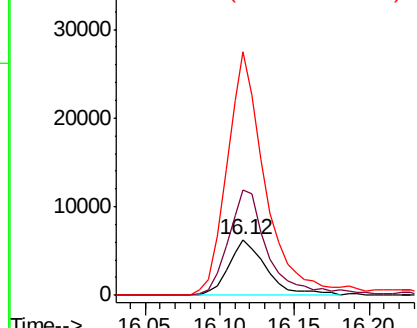


Abundance

Ion 248.00 (247.70 to 248.70): E

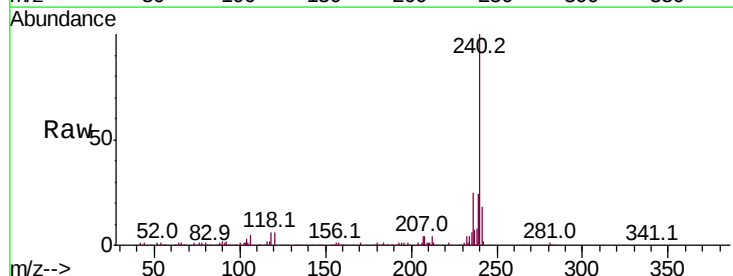
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043685.D
Acq: 18 Nov 2019 22:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.6	6.8
236	25.5	19.8	29.8

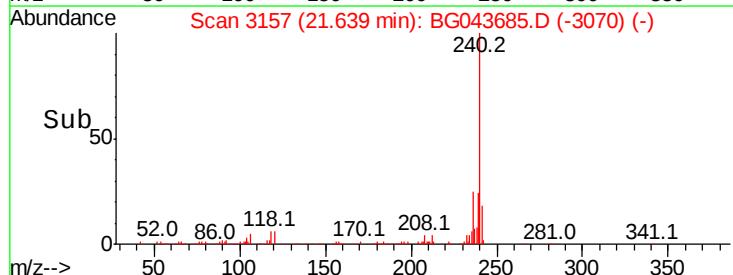
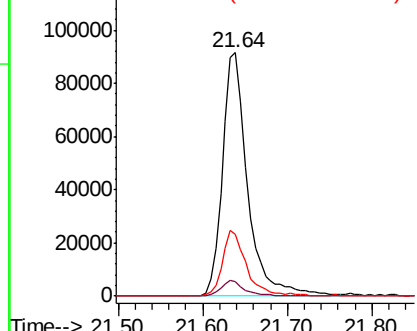


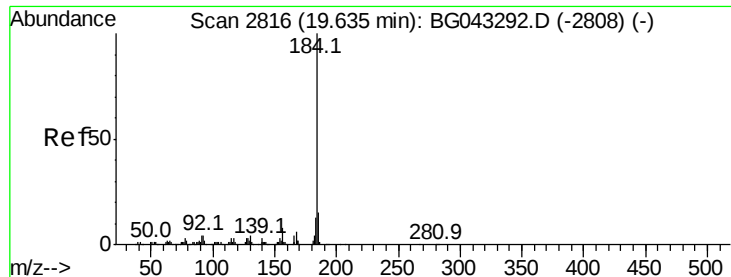
Abundance

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: 4.157 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Instrument :

BNA_G

ClientSampleId :

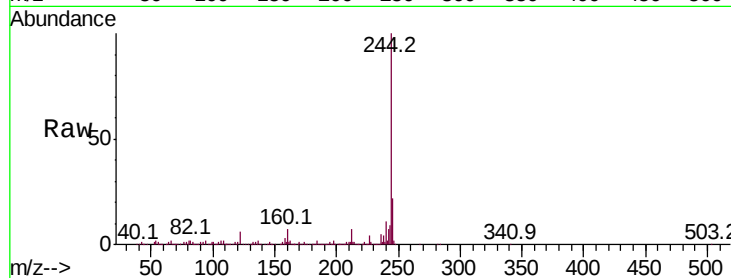
Tot Ion:184 Resp: 15825

Ion Ratio Lower Upper

184 100

185 17.9 11.0 16.4#

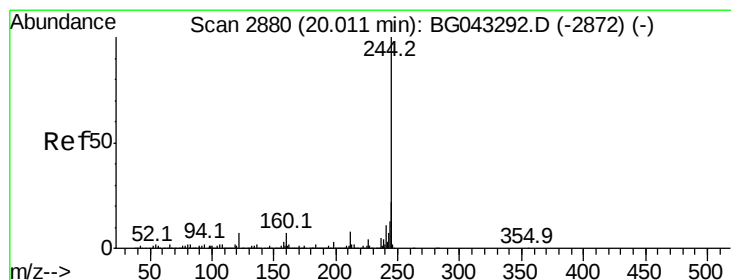
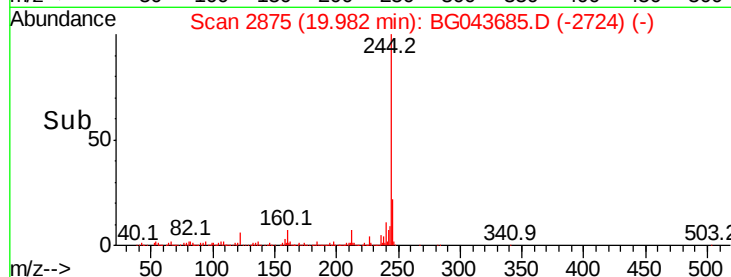
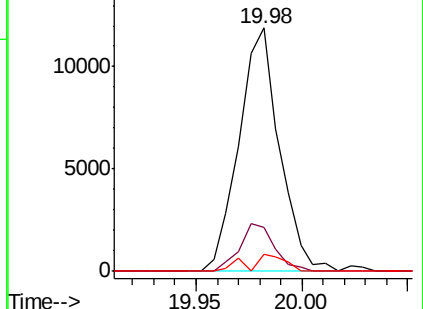
183 7.0 10.0 15.0#



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: 109.191 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

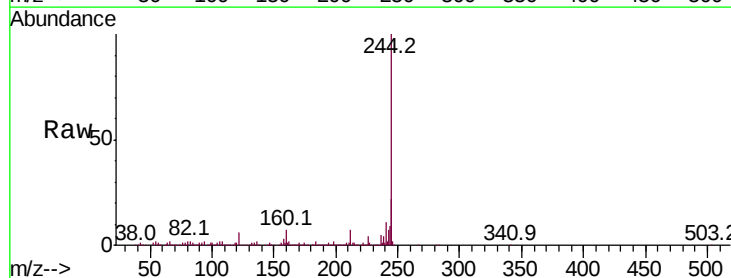
Tgt Ion:244 Resp: 1100986

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

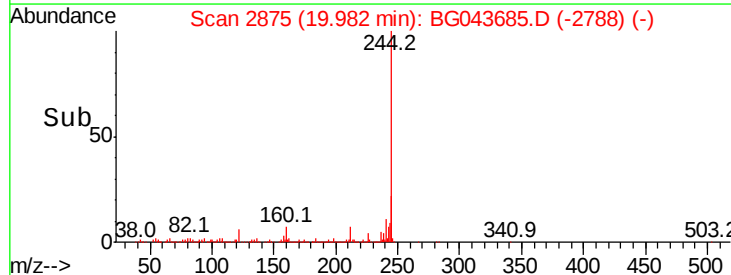
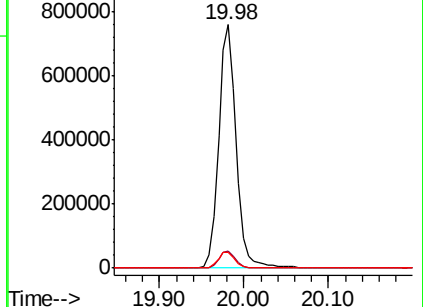
122 6.3 5.4 8.2

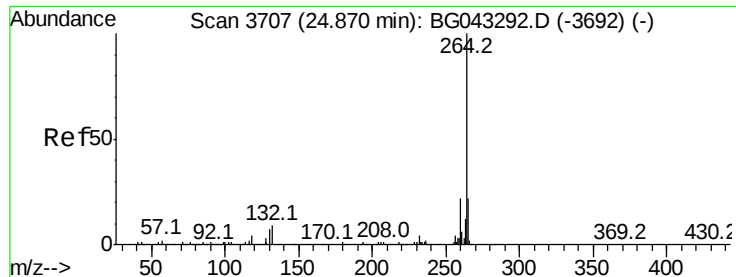


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3698

Delta R.T. -0.04 min

Lab File: BG043685.D

Acq: 18 Nov 2019 22:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 80952

Ion Ratio Lower Upper

264 100

260 24.1 17.5 26.3

265 20.3 17.4 26.0

