

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
 Data File : BG056383.D
 Acq On : 23 Jan 2023 14:20
 Operator : CG/JU
 Sample : 01237-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1-2-3A

Quant Time: Jan 24 01:20:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

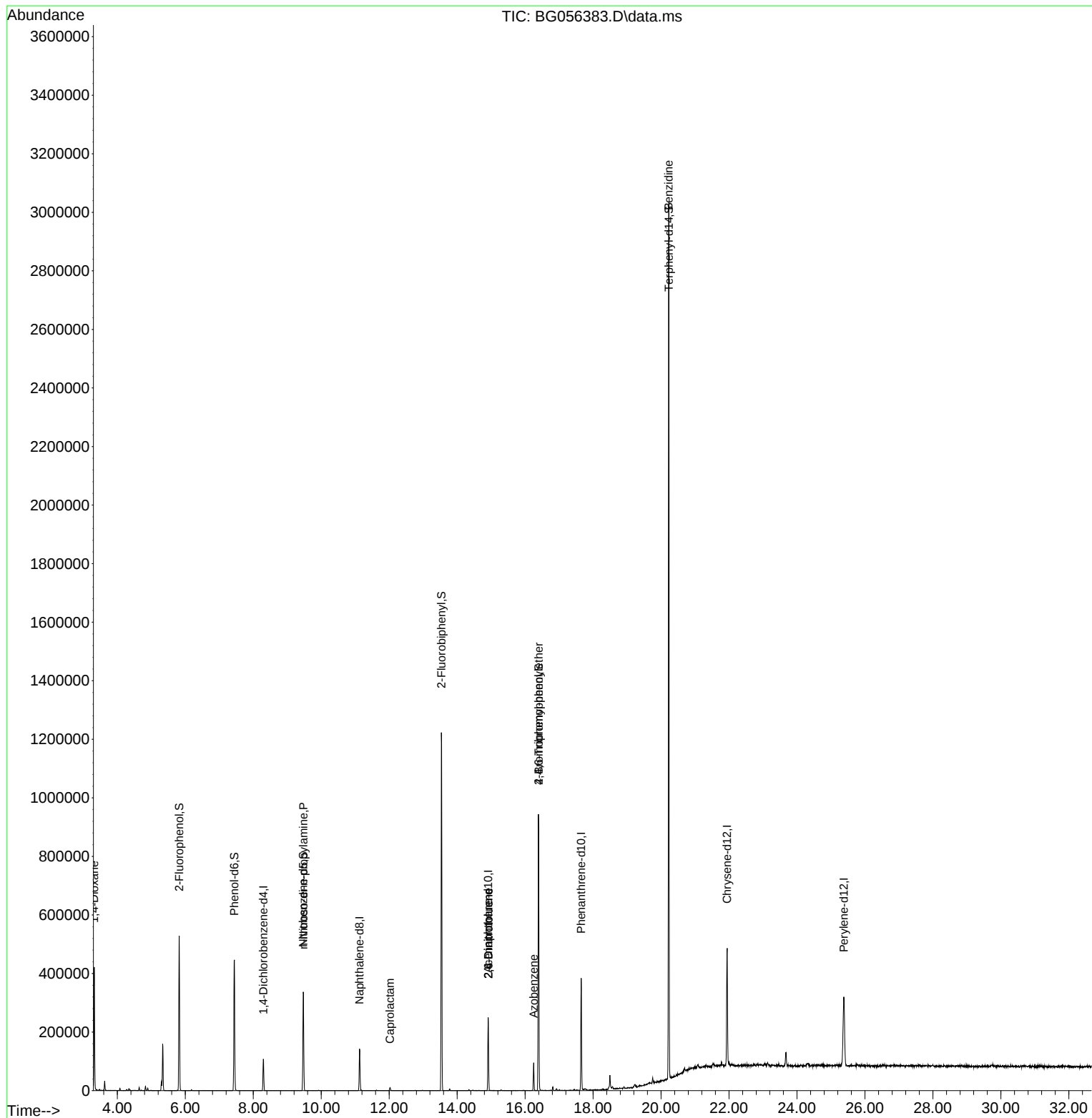
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.296	152	36227	20.000	ng	0.00
21) Naphthalene-d8	11.128	136	130594	20.000	ng	0.00
39) Acenaphthene-d10	14.912	164	96885	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	269005	20.000	ng	0.00
76) Chrysene-d12	21.945	240	284362	20.000	ng	# 0.00
86) Perylene-d12	25.376	264	300098	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	296849	146.306	ng	0.00
7) Phenol-d6	7.444	99	357400	114.702	ng	0.00
23) Nitrobenzene-d5	9.471	82	238117	93.267	ng	-0.02
42) 2,4,6-Tribromophenol	16.398	330	206686	168.444	ng	0.00
45) 2-Fluorobiphenyl	13.537	172	709360	101.105	ng	0.00
79) Terphenyl-d14	20.229	244	1624672	102.330	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.319	88	4358	4.702	ng	# 1
19) n-Nitroso-di-n-propyla...	9.477	70	29666	15.657	ng	# 74
35) Caprolactam	12.021	113	4160	4.707	ng	82
51) 2,6-Dinitrotoluene	14.918	165	12729	7.638	ng	# 33
57) 2,4-Dinitrotoluene	14.918	165	12729	5.461	ng	# 29
63) Azobenzene	16.251	77	25183	4.449	ng	# 1
67) 4-Bromophenyl-phenylether	16.398	248	16633	4.856	ng	# 1
77) Benzidine	20.223	184	23577	2.366	ng	# 94

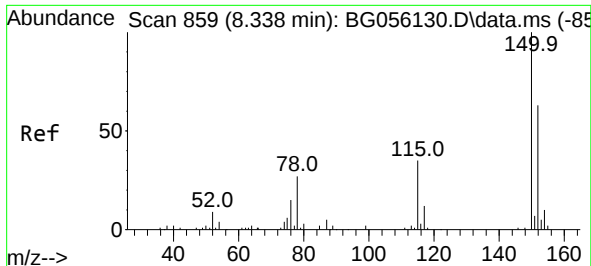
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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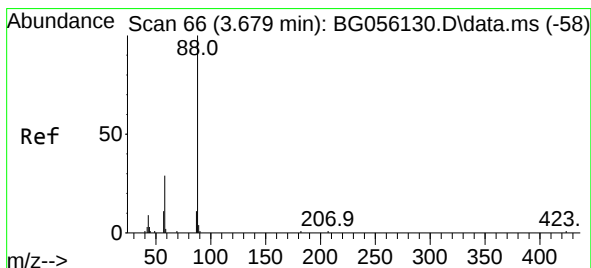
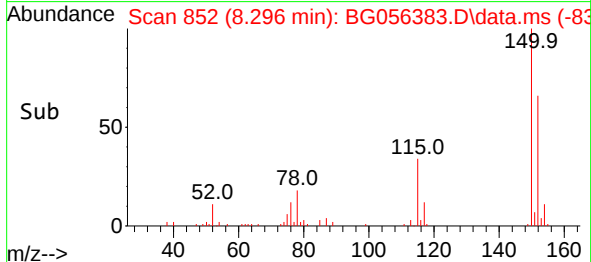
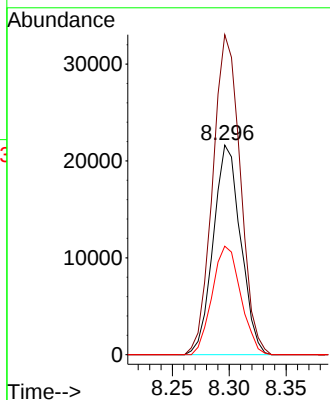
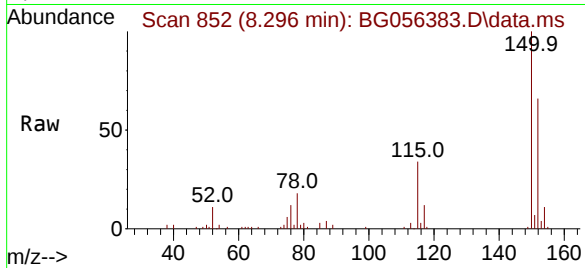




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.296 min Scan# 8
 Delta R.T. -0.010 min
 Lab File: BG056383.D
 Acq: 23 Jan 2023 14:20

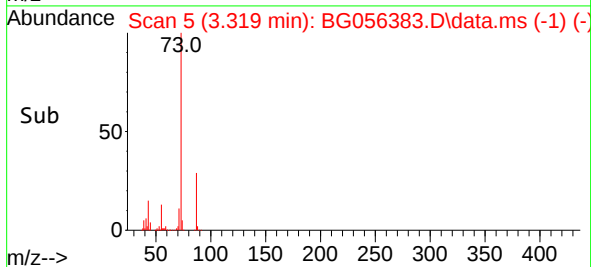
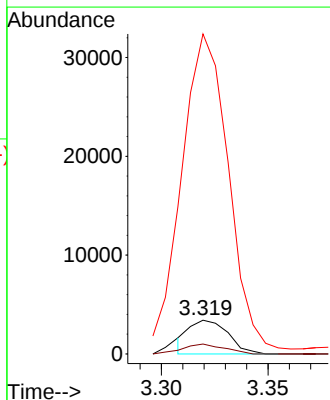
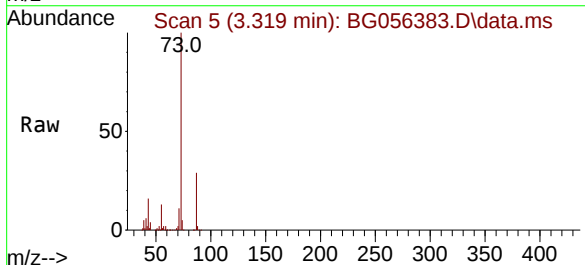
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1-2-3A

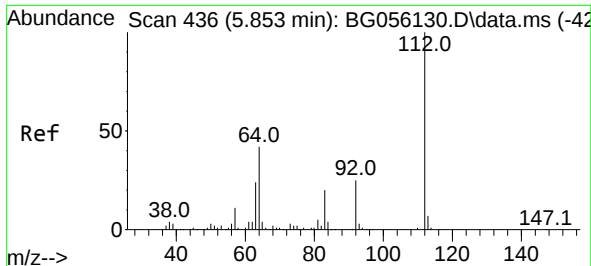
Tgt Ion:152 Resp: 36227
 Ion Ratio Lower Upper
 152 100
 150 152.6 127.9 191.9
 115 51.8 44.2 66.2



#2
 1,4-Dioxane
 Concen: 4.702 ng
 RT: 3.319 min Scan# 5
 Delta R.T. -0.315 min
 Lab File: BG056383.D
 Acq: 23 Jan 2023 14:20

Tgt Ion: 88 Resp: 4358
 Ion Ratio Lower Upper
 88 100
 58 26.9 21.4 32.0
 43 935.6 7.1 10.7#

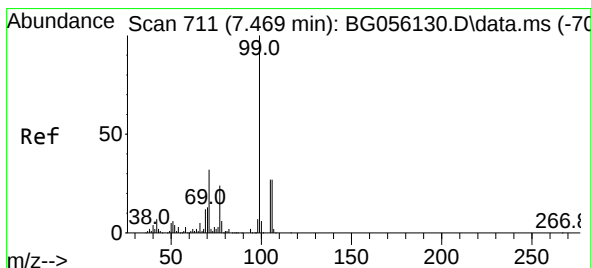
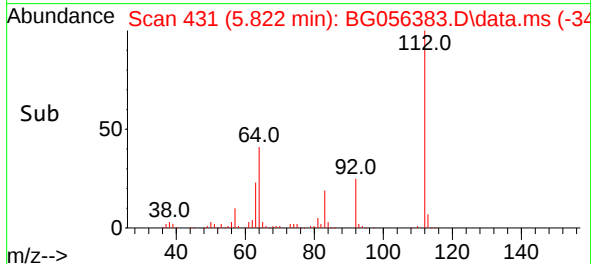
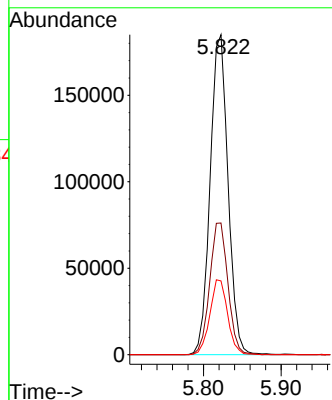
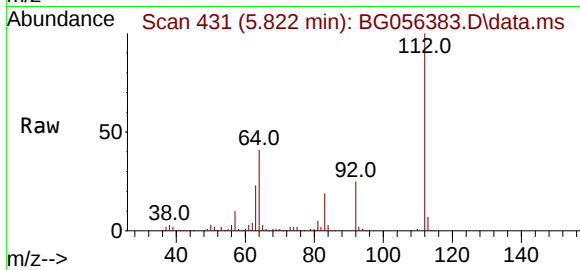




#5
2-Fluorophenol
Concen: 146.306 ng
RT: 5.822 min Scan# 41
Delta R.T. -0.004 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

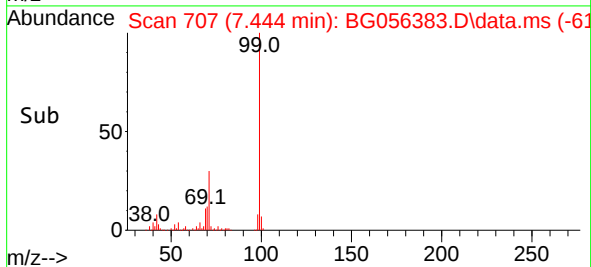
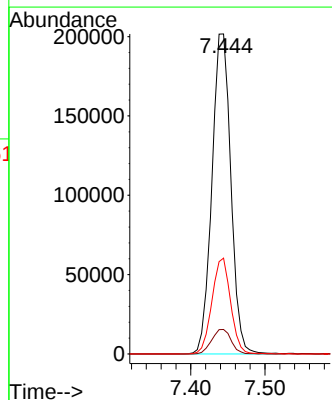
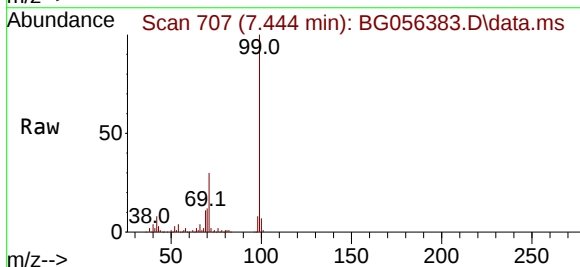
Instrument :
BNA_G
ClientSampleId :
COMP-1-2-3A

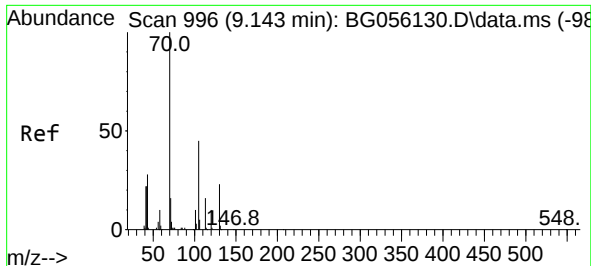
Tgt Ion:112 Resp: 296849
Ion Ratio Lower Upper
112 100
64 41.2 33.3 49.9
63 23.0 19.0 28.4



#7
Phenol-d6
Concen: 114.702 ng
RT: 7.444 min Scan# 707
Delta R.T. -0.004 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

Tgt Ion: 99 Resp: 357400
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 30.0 25.4 38.2

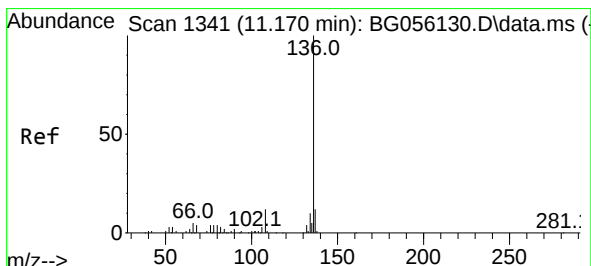
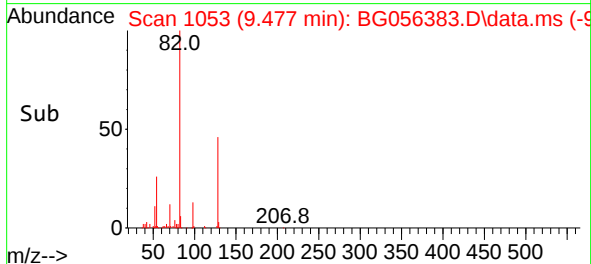
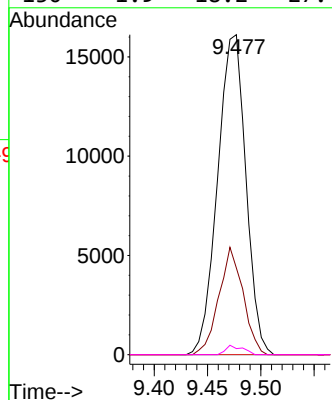
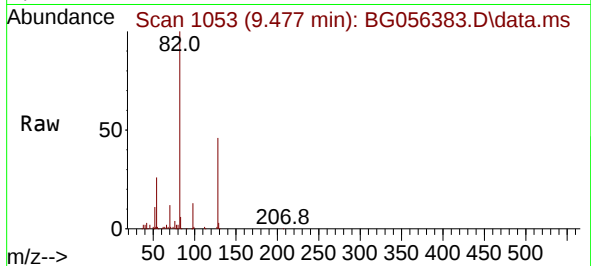




#19
n-Nitroso-di-n-propylamine
Concen: 15.657 ng
RT: 9.477 min Scan# 1053
Delta R.T. 0.366 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

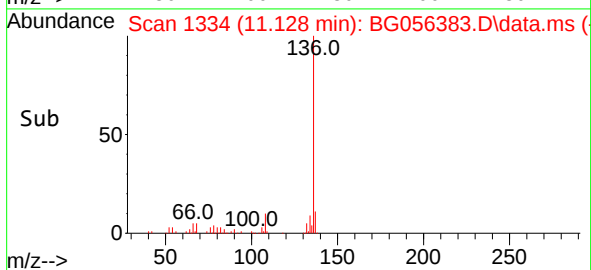
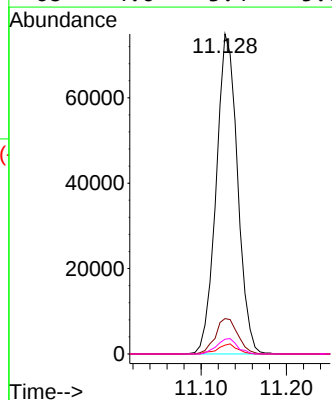
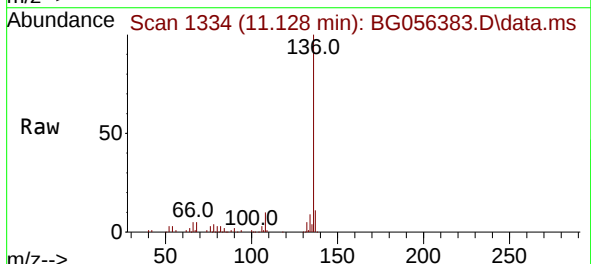
Instrument :
BNA_G
ClientSampleId :
COMP-1-2-3A

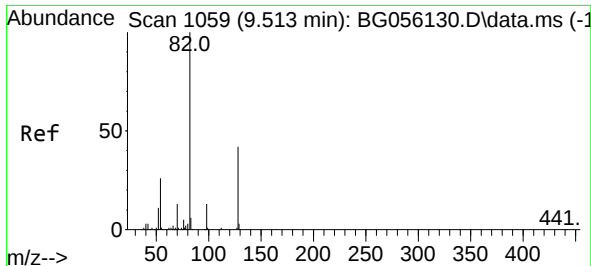
Tgt Ion: 70	Resp:	29666
Ion Ratio	Lower	Upper
70	100	
42	27.1	18.2 27.2
101	0.0	8.3 12.5#
130	1.9	18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.128 min Scan# 1334
Delta R.T. -0.010 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

Tgt Ion: 136	Resp:	130594
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.4 14.0
54	2.8	2.2 3.2
68	4.6	3.4 5.0





#23

Nitrobenzene-d5

Concen: 93.267 ng

RT: 9.471 min Scan# 1052

Delta R.T. -0.016 min

Lab File: BG056383.D

Acq: 23 Jan 2023 14:20

Instrument :

BNA_G

ClientSampleId :

COMP-1-2-3A

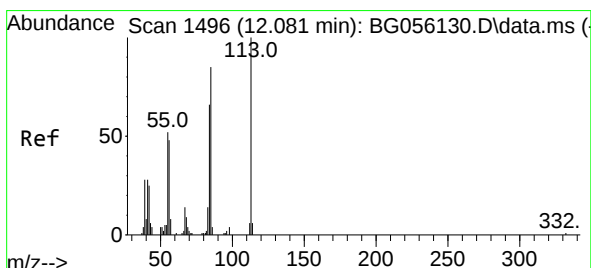
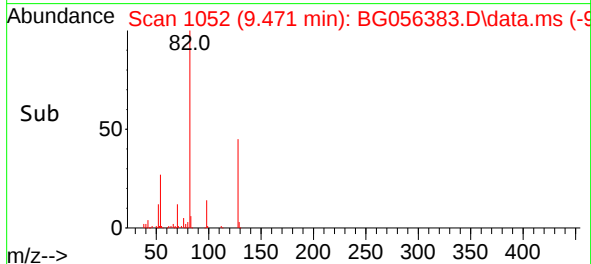
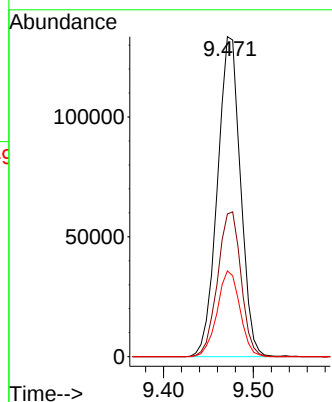
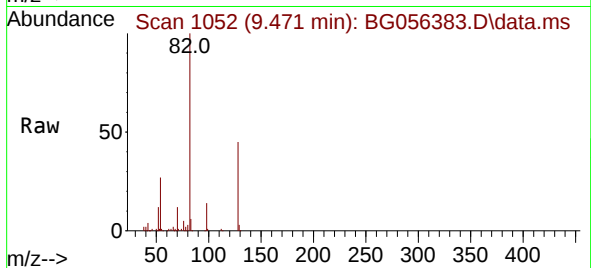
Tgt Ion: 82 Resp: 238117

Ion Ratio Lower Upper

82 100

128 44.6 33.4 50.2

54 26.8 20.3 30.5



#35

Caprolactam

Concen: 4.707 ng

RT: 12.021 min Scan# 1486

Delta R.T. -0.045 min

Lab File: BG056383.D

Acq: 23 Jan 2023 14:20

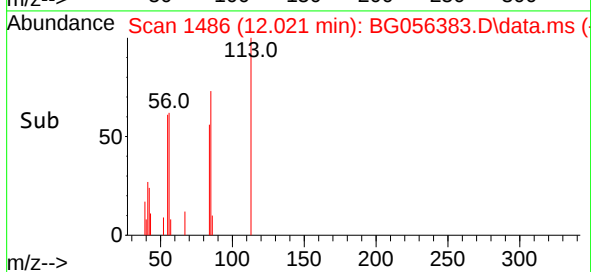
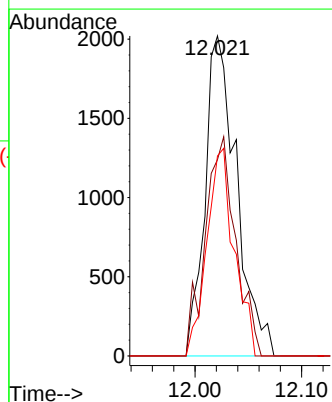
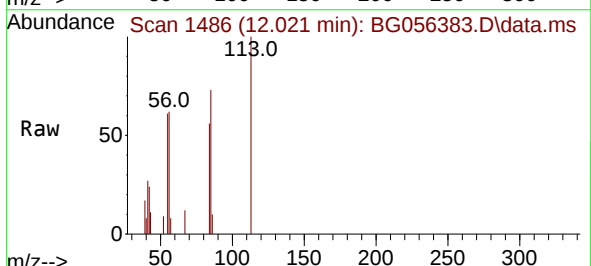
Tgt Ion: 113 Resp: 4160

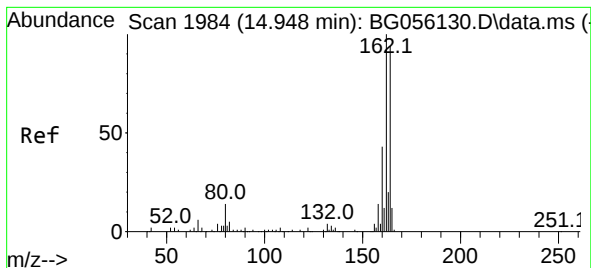
Ion Ratio Lower Upper

113 100

55 61.3 31.9 71.9

56 62.5 27.6 67.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.912 min Scan# 1984

Delta R.T. -0.010 min

Lab File: BG056383.D

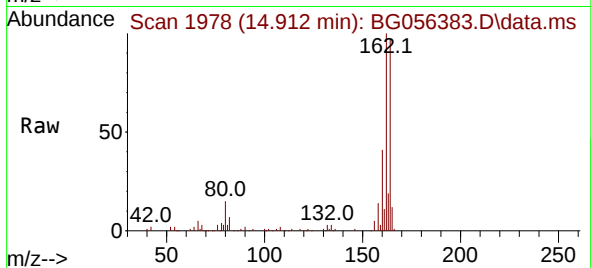
Acq: 23 Jan 2023 14:20

Instrument :

BNA_G

ClientSampleId :

COMP-1-2-3A



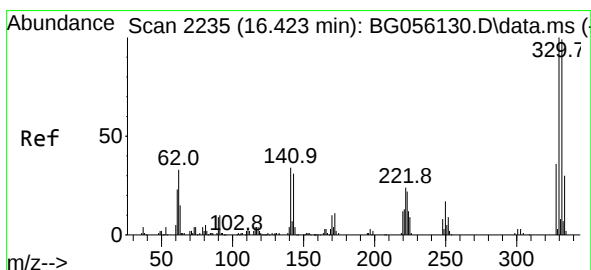
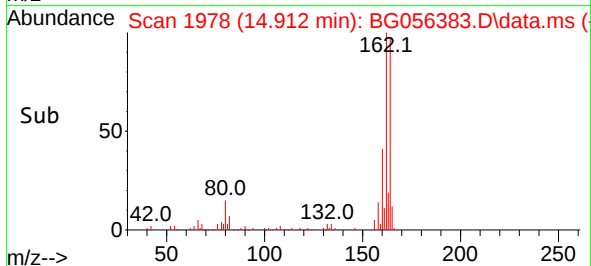
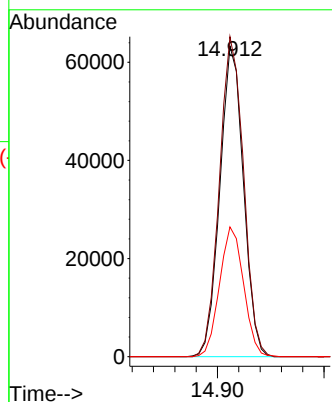
Tgt Ion:164 Resp: 96885

Ion Ratio Lower Upper

164 100

162 103.0 84.7 127.1

160 41.8 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 168.444 ng

RT: 16.398 min Scan# 2231

Delta R.T. -0.004 min

Lab File: BG056383.D

Acq: 23 Jan 2023 14:20

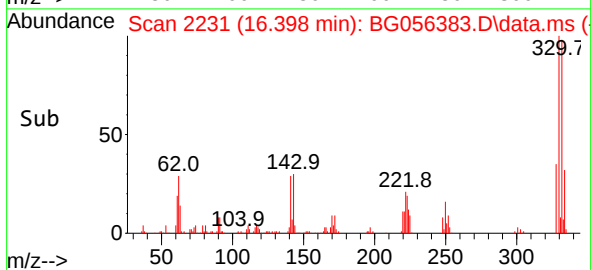
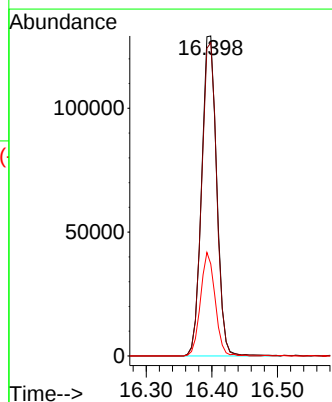
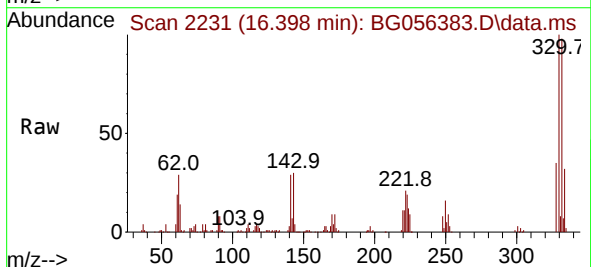
Tgt Ion:330 Resp: 206686

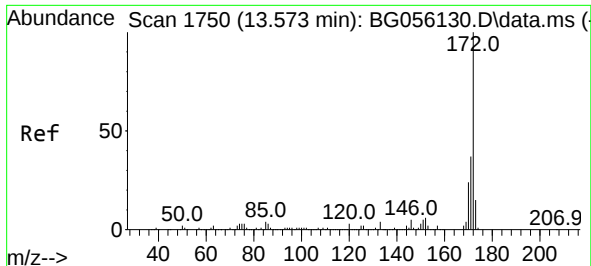
Ion Ratio Lower Upper

330 100

332 97.9 77.3 115.9

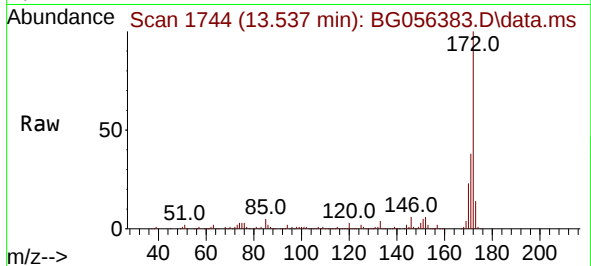
141 31.3 27.9 41.9



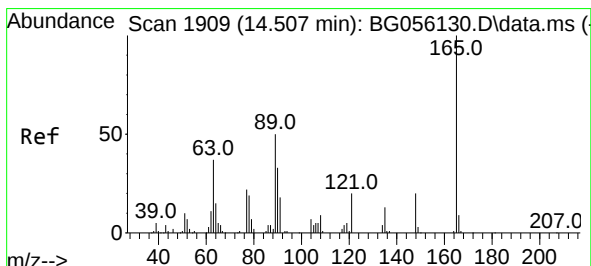
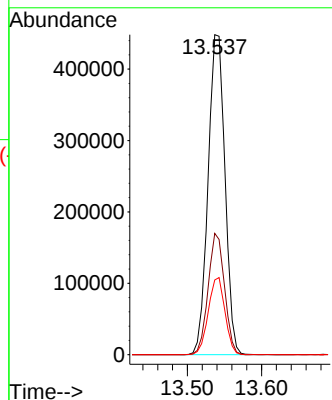
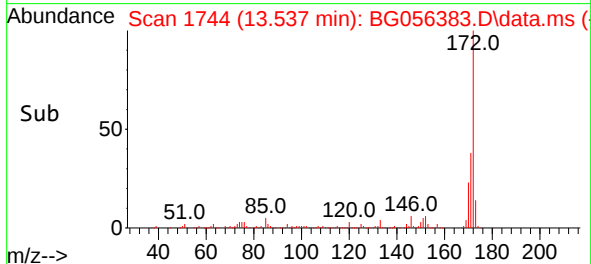


#45
2-Fluorobiphenyl
Concen: 101.105 ng
RT: 13.537 min Scan# 1744
Delta R.T. -0.010 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

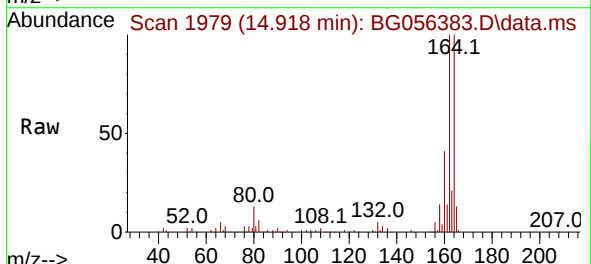
Instrument :
BNA_G
ClientSampleId :
COMP-1-2-3A



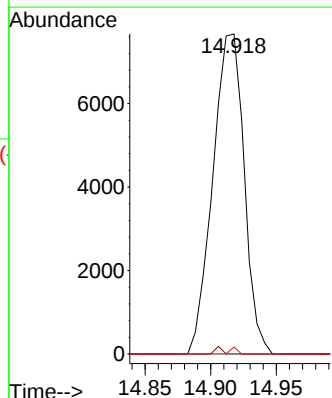
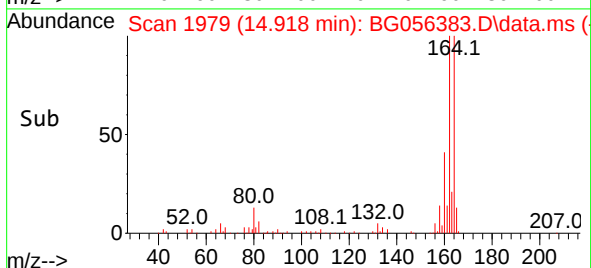
Tgt Ion:172 Resp: 709360
Ion Ratio Lower Upper
172 100
171 37.9 29.6 44.4
170 23.3 19.4 29.2

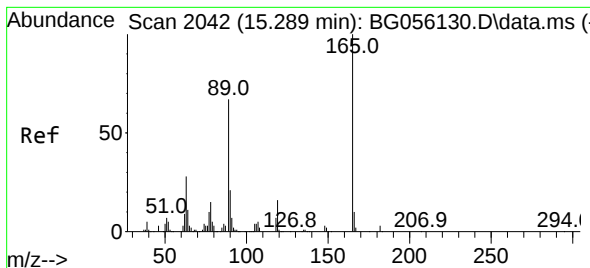


#51
2,6-Dinitrotoluene
Concen: 7.638 ng
RT: 14.918 min Scan# 1979
Delta R.T. 0.431 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20



Tgt Ion:165 Resp: 12729
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 2.2 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.461 ng

RT: 14.918 min Scan# 14

Delta R.T. -0.357 min

Lab File: BG056383.D

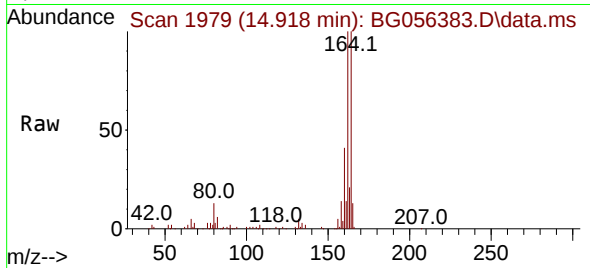
Acq: 23 Jan 2023 14:20

Instrument :

BNA_G

ClientSampleId :

COMP-1-2-3A



Tgt Ion:165 Resp: 12729

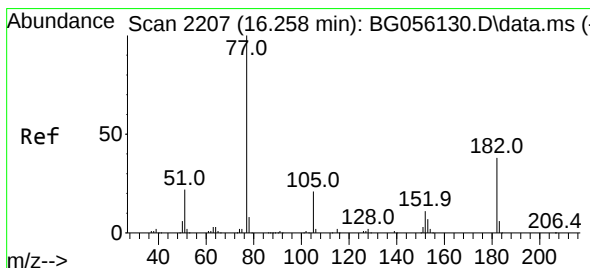
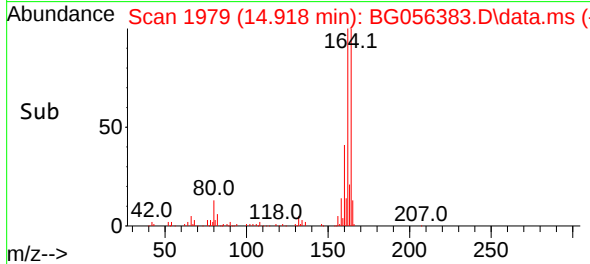
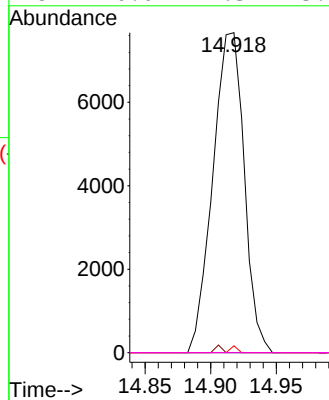
Ion Ratio Lower Upper

165 100

63 0.0 22.6 34.0#

89 2.2 53.2 79.8#

182 0.0 2.3 3.5#



#63

Azobenzene

Concen: 4.449 ng

RT: 16.251 min Scan# 2206

Delta R.T. 0.014 min

Lab File: BG056383.D

Acq: 23 Jan 2023 14:20

Tgt Ion: 77 Resp: 25183

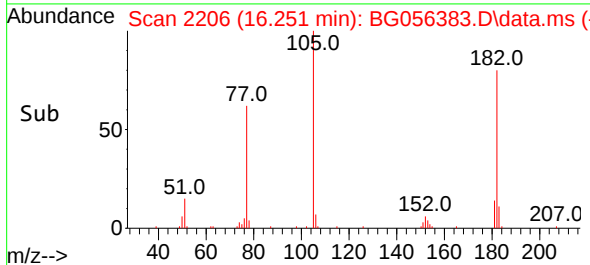
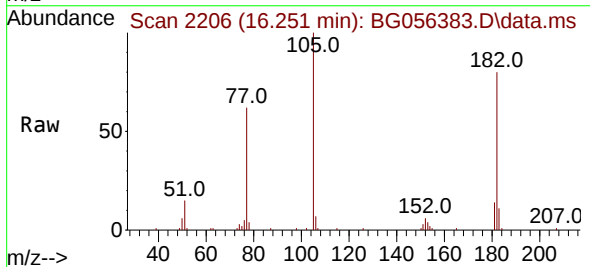
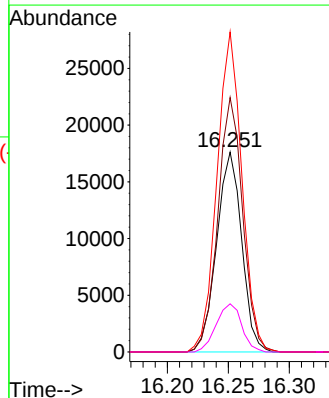
Ion Ratio Lower Upper

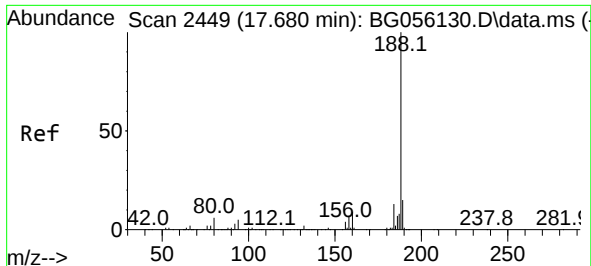
77 100

182 127.3 18.5 58.5#

105 160.2 1.4 41.4#

51 24.1 1.5 41.5

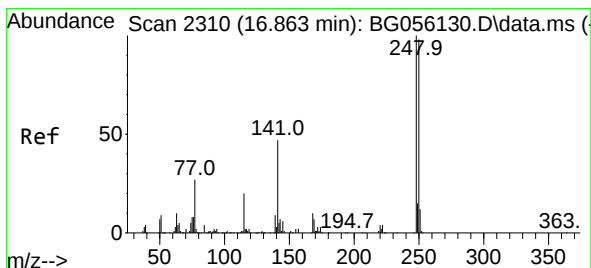
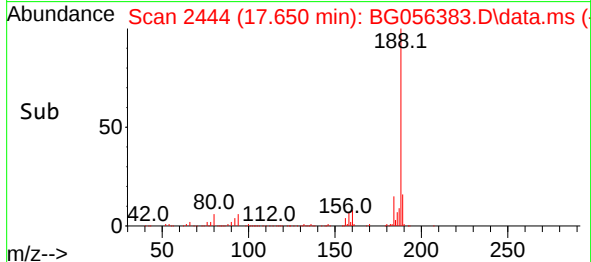
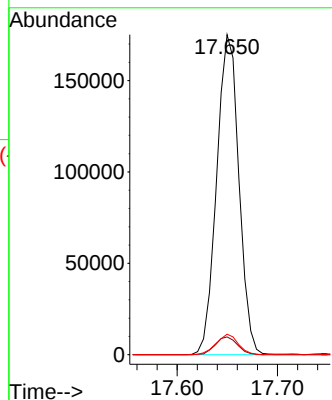
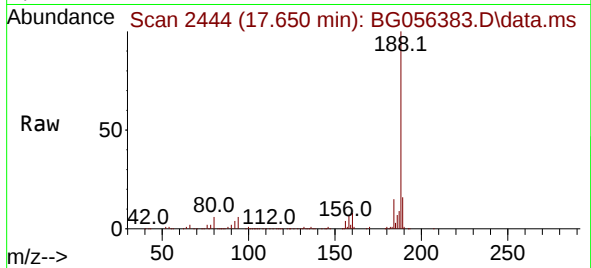




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.650 min Scan# 2449
Delta R.T. -0.010 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

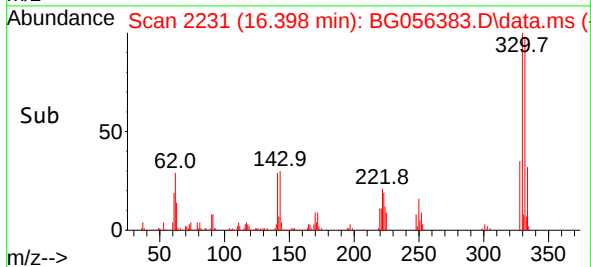
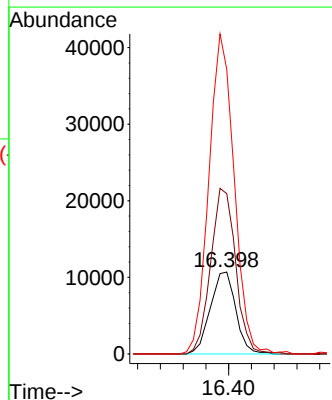
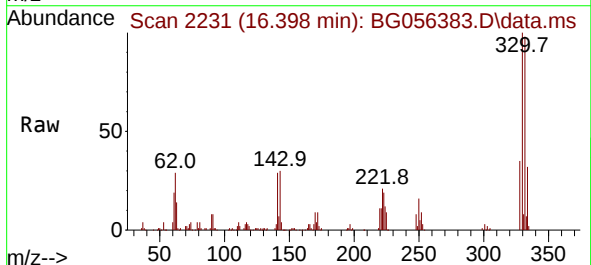
Instrument :
BNA_G
ClientSampleId :
COMP-1-2-3A

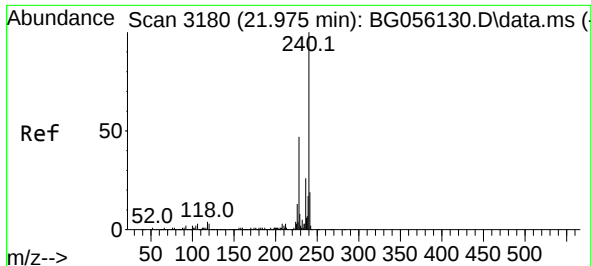
Tgt Ion:188 Resp: 269005
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 6.4 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 4.856 ng
RT: 16.398 min Scan# 2231
Delta R.T. -0.439 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

Tgt Ion:248 Resp: 16633
Ion Ratio Lower Upper
248 100
250 251.3 78.2 117.4#
141 347.2 37.6 56.4#

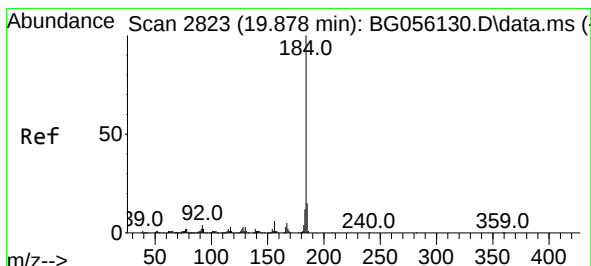
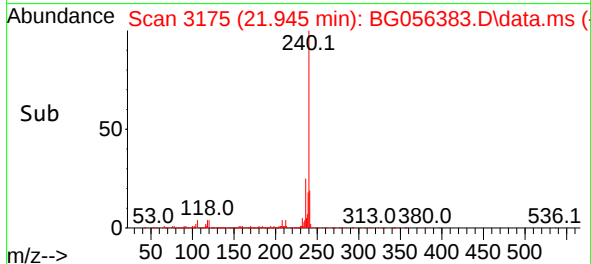
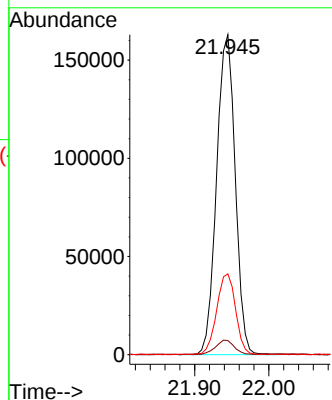
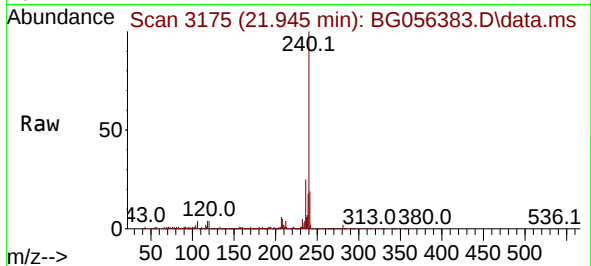




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.945 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

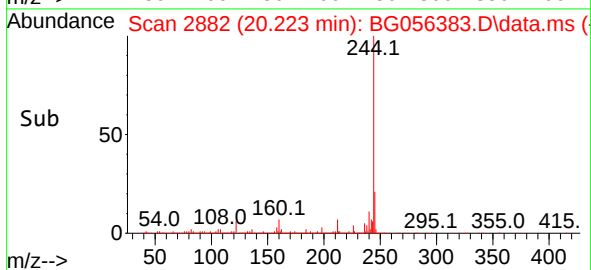
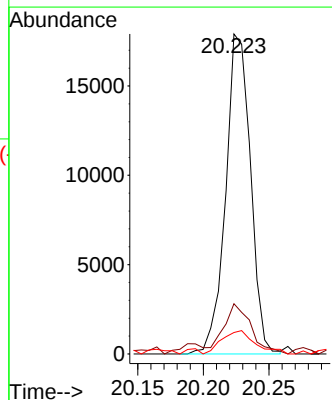
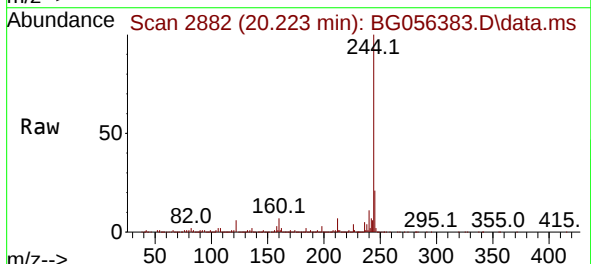
Instrument :
BNA_G
ClientSampleId :
COMP-1-2-3A

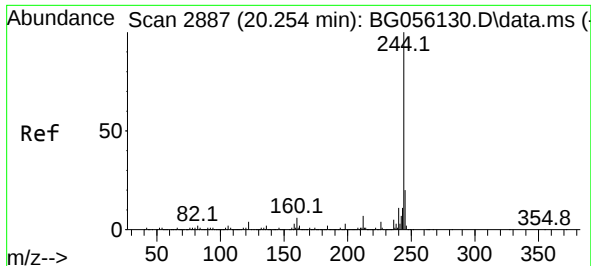
Tgt Ion:240 Resp: 284362
Ion Ratio Lower Upper
240 100
120 4.4 2.6 4.0#
236 25.2 20.8 31.2



#77
Benzidine
Concen: 2.366 ng
RT: 20.223 min Scan# 2882
Delta R.T. 0.366 min
Lab File: BG056383.D
Acq: 23 Jan 2023 14:20

Tgt Ion:184 Resp: 23577
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 6.7 9.4 14.0#

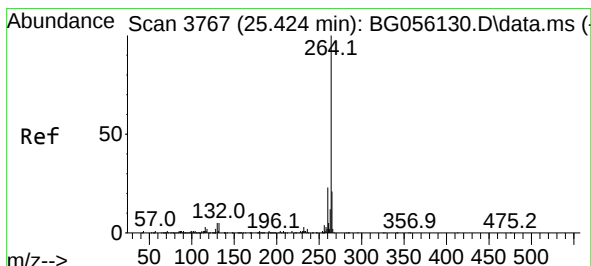
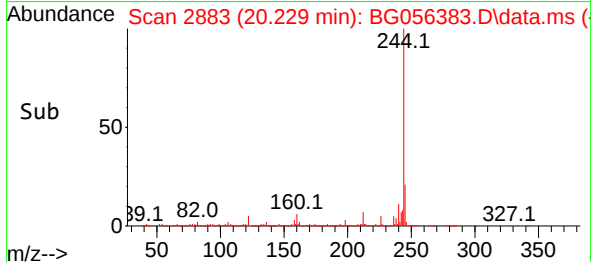
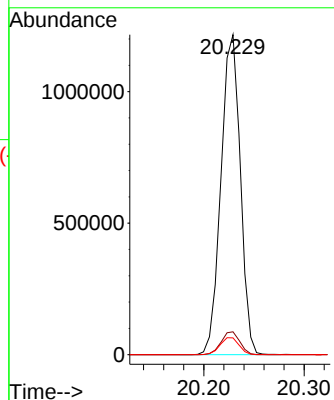
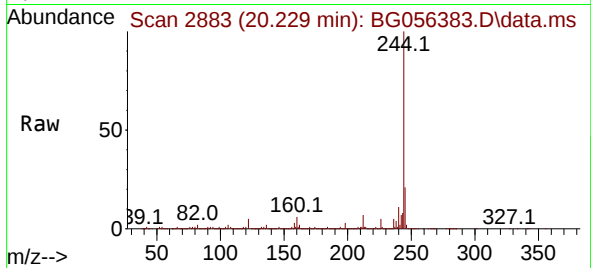




#79
 Terphenyl-d14
 Concen: 102.330 ng
 RT: 20.229 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056383.D
 Acq: 23 Jan 2023 14:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1-2-3A

Tgt Ion:244 Resp: 1624672
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.2 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.376 min Scan# 3759
 Delta R.T. -0.016 min
 Lab File: BG056383.D
 Acq: 23 Jan 2023 14:20

Tgt Ion:264 Resp: 300098
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 20.0 16.7 25.1

