

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056283.D
 Acq On : 13 Jan 2023 18:38
 Operator : CG/JU
 Sample : 01135-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-D

Quant Time: Jan 16 00:23:56 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 12 03:38:40 2023
 Response via : Initial Calibration

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

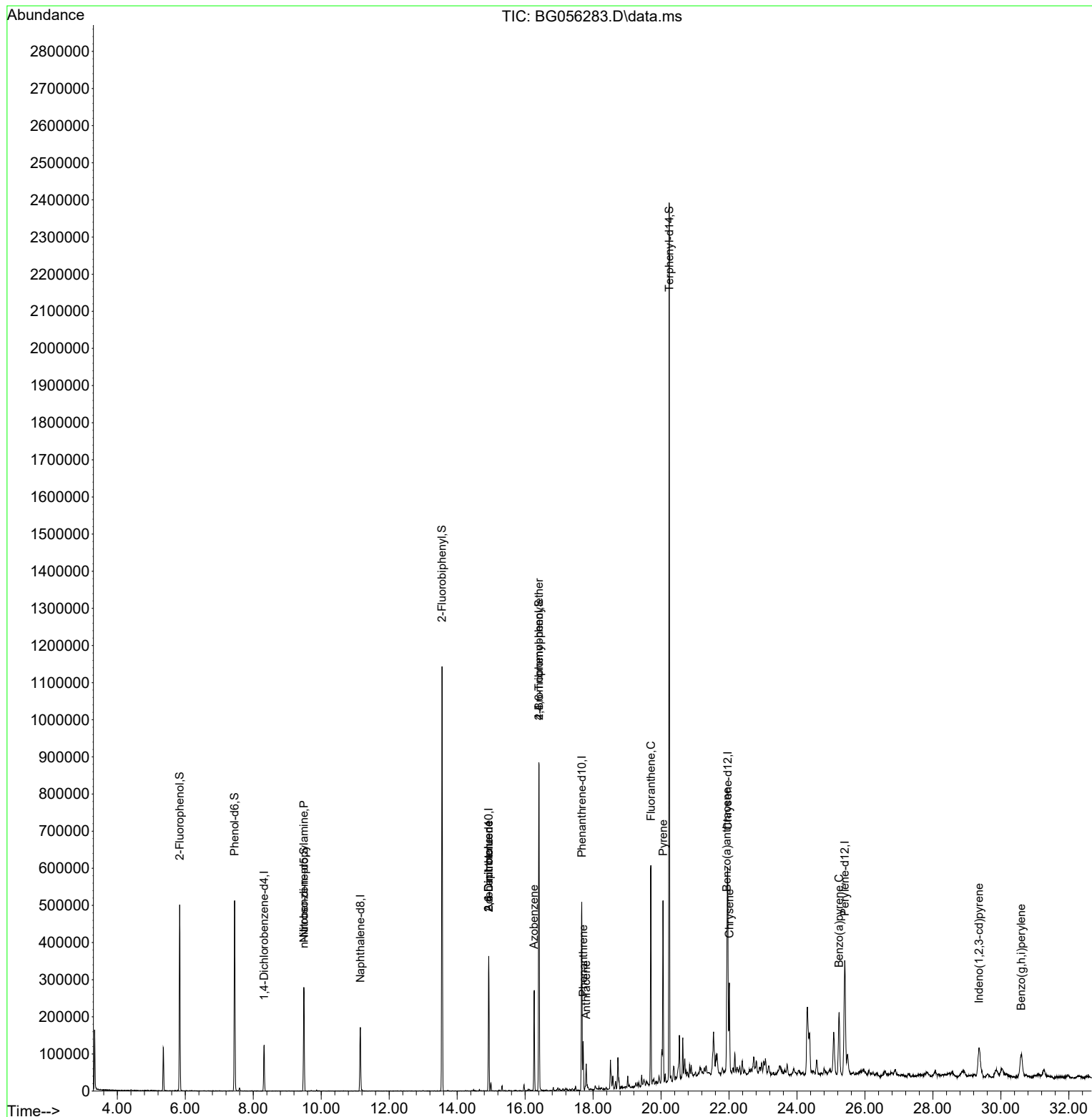
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.320	152	41590	20.000	ng	0.00
21) Naphthalene-d8	11.152	136	160954	20.000	ng	0.00
39) Acenaphthene-d10	14.930	164	134752	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	353619	20.000	ng	0.00
76) Chrysene-d12	21.962	240	340373	20.000	ng	# 0.00
86) Perylene-d12	25.406	264	375741	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	271272	116.460	ng	0.00
7) Phenol-d6	7.450	99	393156	109.907	ng	0.00
23) Nitrobenzene-d5	9.489	82	203775	64.760	ng	0.00
42) 2,4,6-Tribromophenol	16.410	330	189176	110.849	ng	0.00
45) 2-Fluorobiphenyl	13.555	172	654068	67.027	ng	0.00
79) Terphenyl-d14	20.241	244	1237203	65.102	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.495	70	25000	11.493	ng	# 76
51) 2,6-Dinitrotoluene	14.930	165	17712	7.641	ng	# 32
57) 2,4-Dinitrotoluene	14.930	165	17712	5.464	ng	# 29
63) Azobenzene	16.263	77	73305	9.312	ng	# 1
67) 4-Bromophenyl-phenylether	16.410	248	15430	3.427	ng	# 1
71) Phenanthrene	17.709	178	86137	4.700	ng	100
72) Anthracene	17.797	178	51593	2.729	ng	99
75) Fluoranthene	19.700	202	413315	17.290	ng	98
78) Pyrene	20.059	202	354282	14.767	ng	99
81) Benzo(a)anthracene	21.939	228	203899	8.529	ng	99
83) Chrysene	22.009	228	196357	8.768	ng	100
87) Indeno(1,2,3-cd)pyrene	29.354	276	156356	5.722	ng	# 96
90) Benzo(a)pyrene	25.241	252	211195	9.070	ng	# 97
92) Benzo(g,h,i)perylene	30.599	276	147160	6.624	ng	97

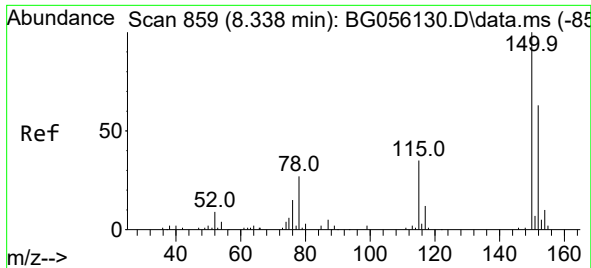
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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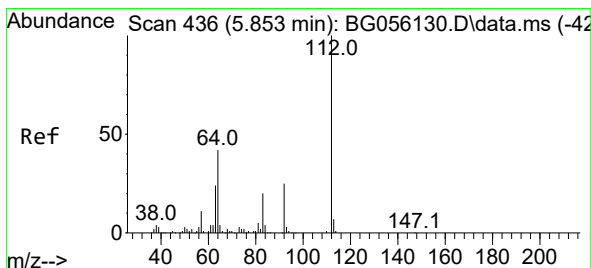
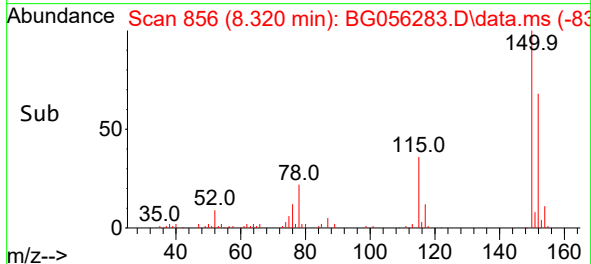
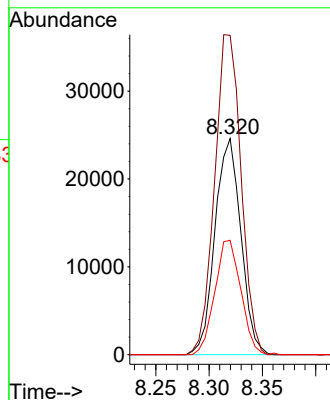
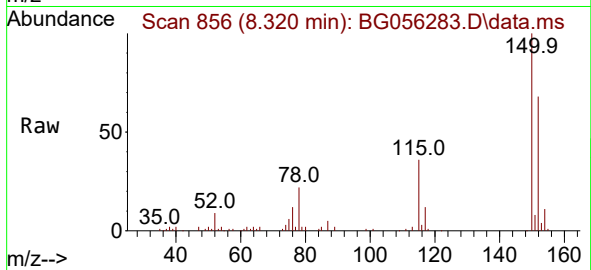




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.320 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

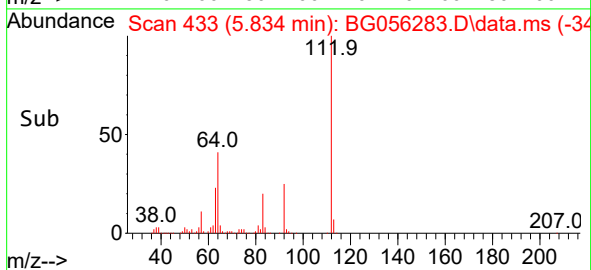
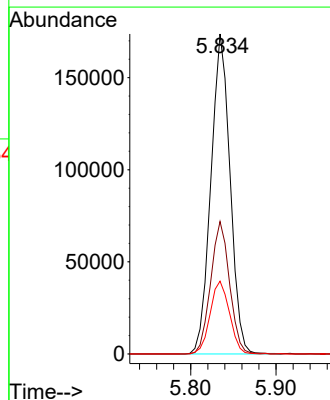
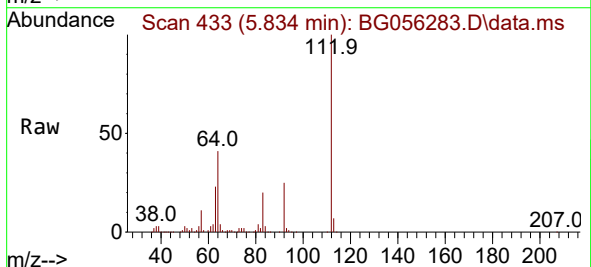
Instrument :
BNA_G
ClientSampleId :
TP-D

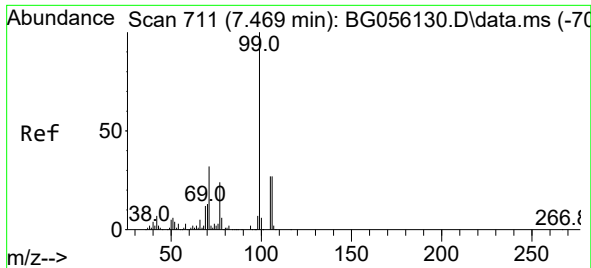
Tgt Ion:152 Resp: 41590
Ion Ratio Lower Upper
152 100
150 147.7 127.9 191.9
115 52.9 44.2 66.2



#5
2-Fluorophenol
Concen: 116.460 ng
RT: 5.834 min Scan# 433
Delta R.T. 0.009 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:112 Resp: 271272
Ion Ratio Lower Upper
112 100
64 41.4 33.3 49.9
63 22.8 19.0 28.4

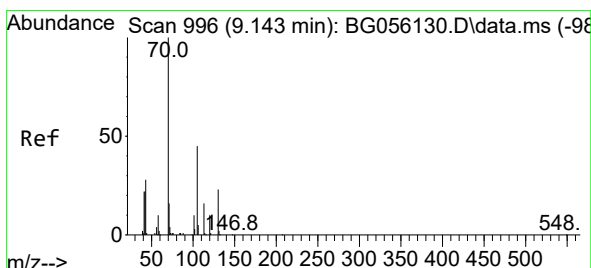
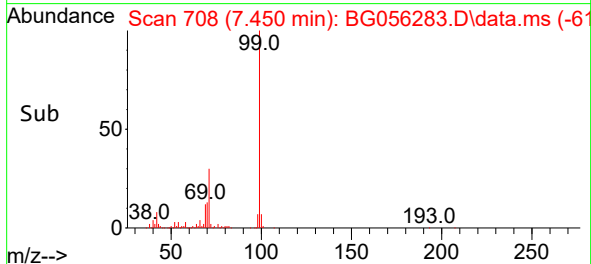
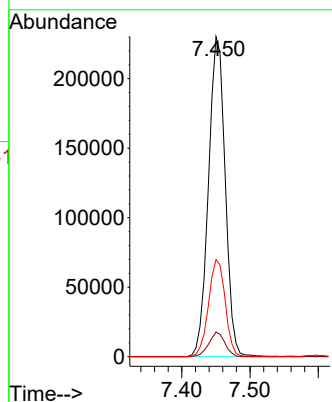
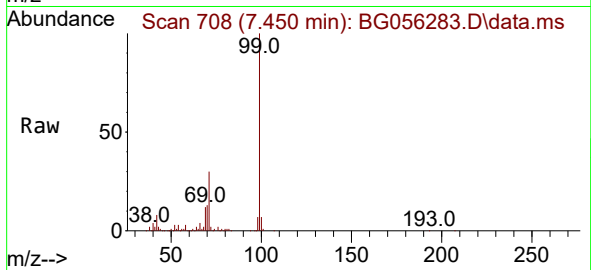




#7
Phenol-d6
Concen: 109.907 ng
RT: 7.450 min Scan# 711
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

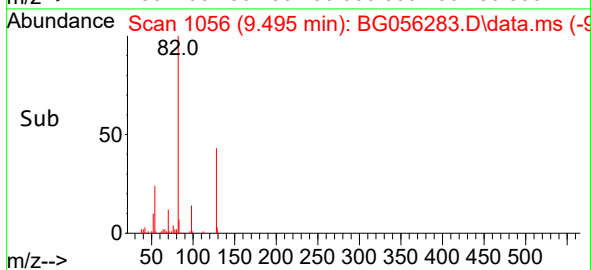
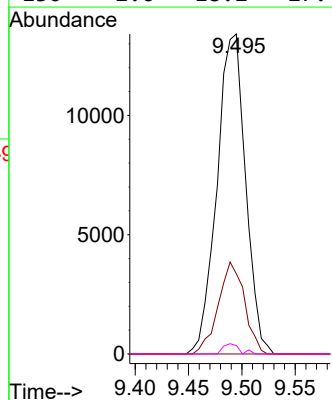
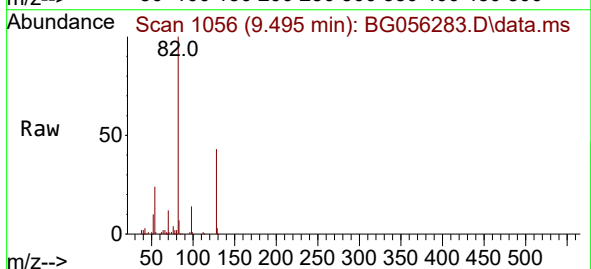
Instrument :
BNA_G
ClientSampleId :
TP-D

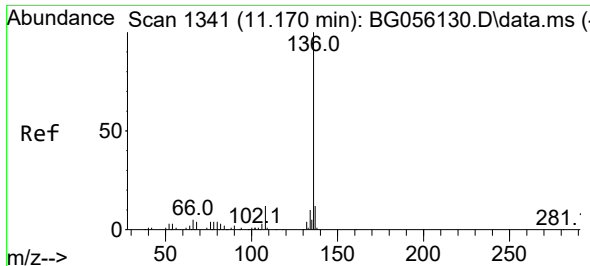
Tgt Ion: 99 Resp: 393156
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 30.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.493 ng
RT: 9.495 min Scan# 1056
Delta R.T. 0.379 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 70 Resp: 25000
Ion Ratio Lower Upper
70 100
42 25.1 18.2 27.2
101 0.0 8.3 12.5#
130 2.6 18.2 27.4#

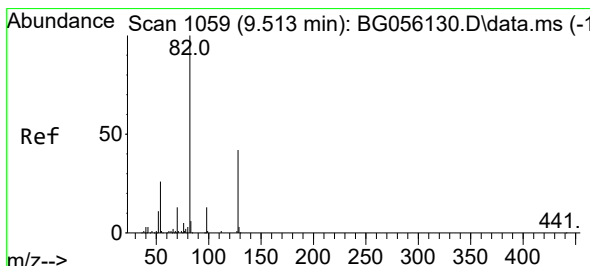
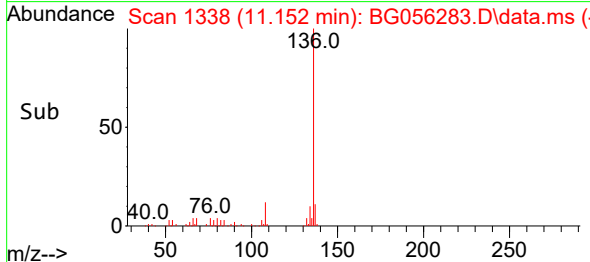
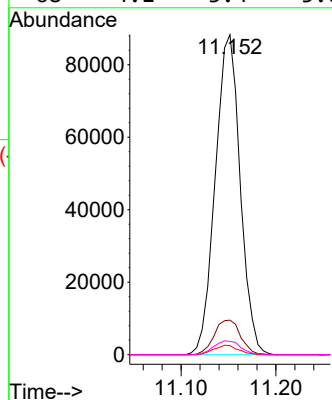
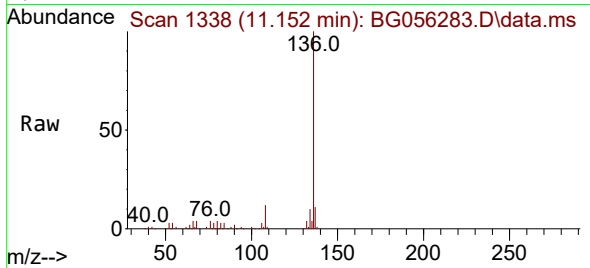




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.152 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

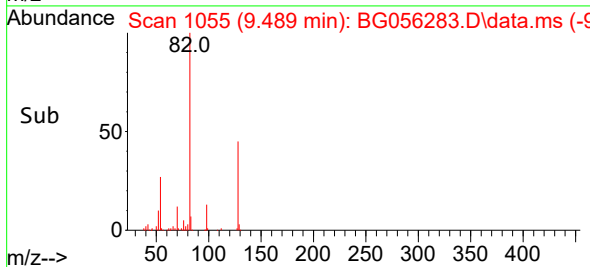
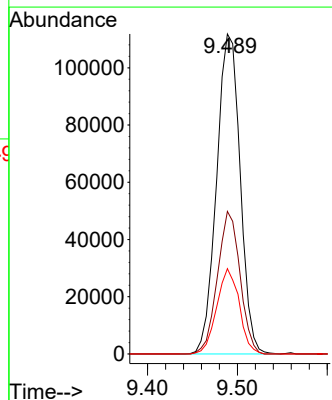
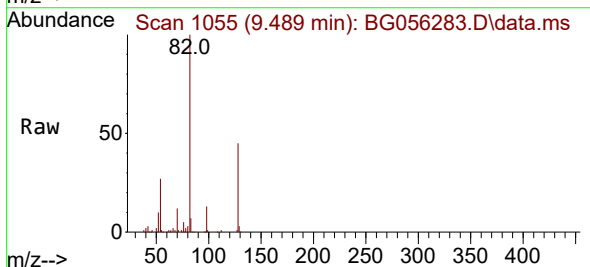
Instrument :
BNA_G
ClientSampleId :
TP-D

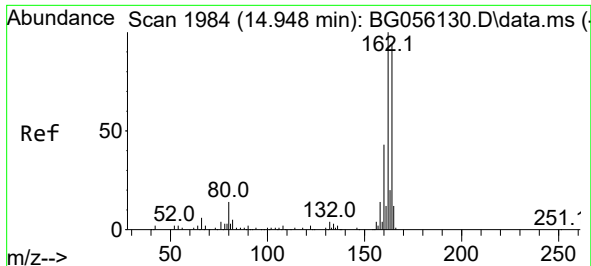
Tgt Ion:136 Resp: 160954
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.0
54 2.9 2.2 3.2
68 4.1 3.4 5.0



#23
Nitrobenzene-d5
Concen: 64.760 ng
RT: 9.489 min Scan# 1055
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 82 Resp: 203775
Ion Ratio Lower Upper
82 100
128 44.6 33.4 50.2
54 26.7 20.3 30.5

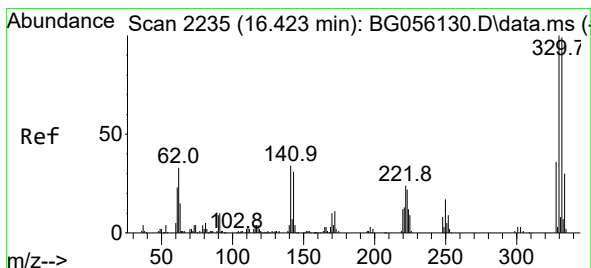
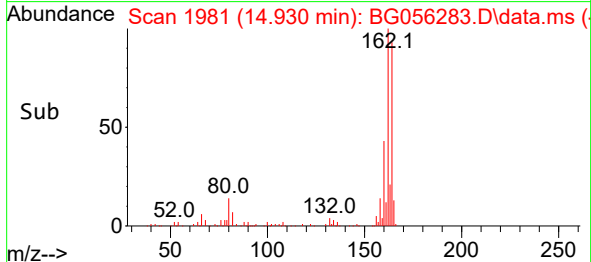
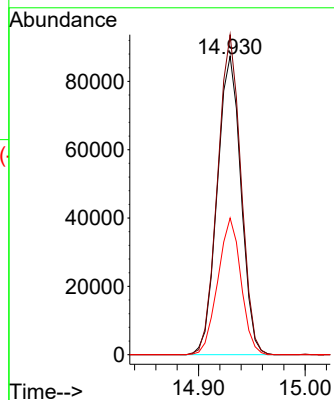
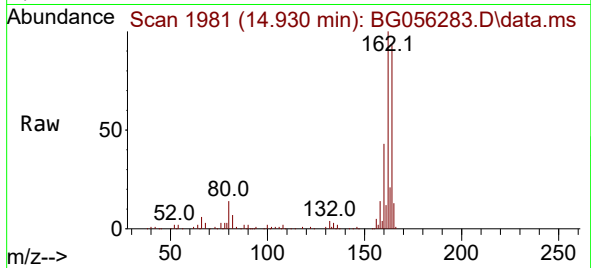




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.930 min Scan# 1984
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

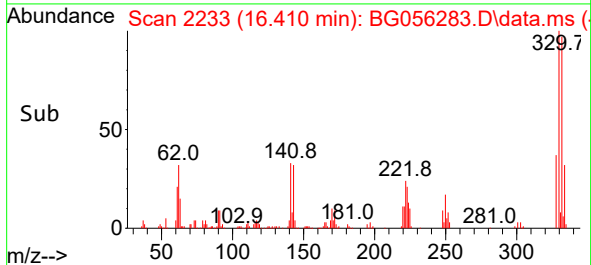
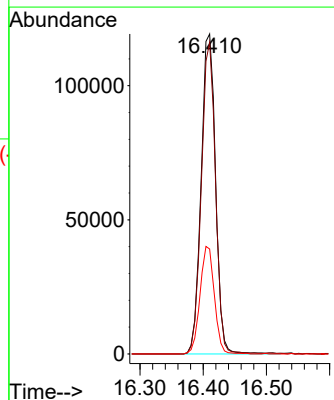
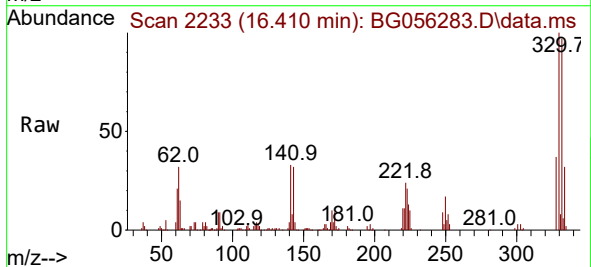
Instrument :
BNA_G
ClientSampleId :
TP-D

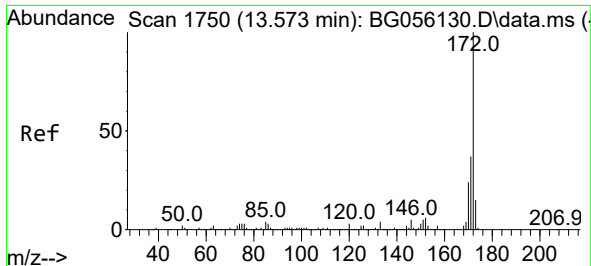
Tgt Ion:164 Resp: 134752
Ion Ratio Lower Upper
164 100
162 107.2 84.7 127.1
160 45.8 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 110.849 ng
RT: 16.410 min Scan# 2233
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:330 Resp: 189176
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 33.3 27.9 41.9

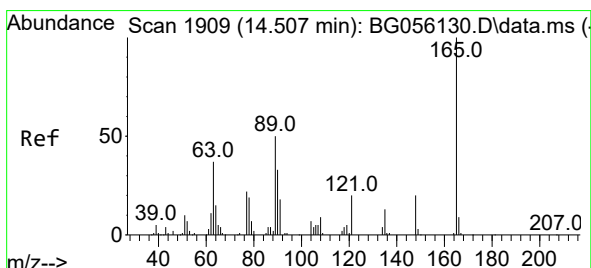
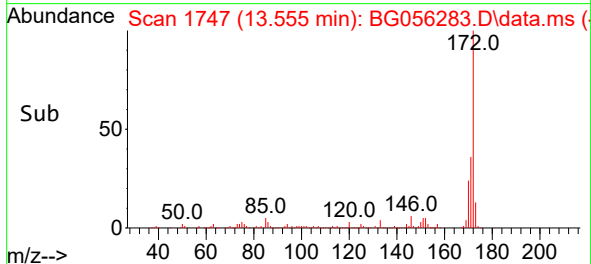
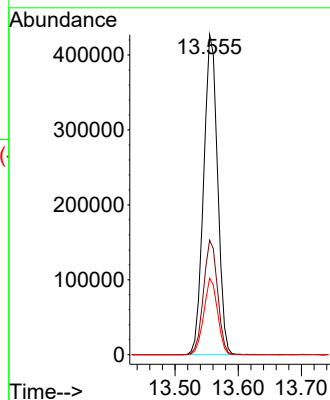
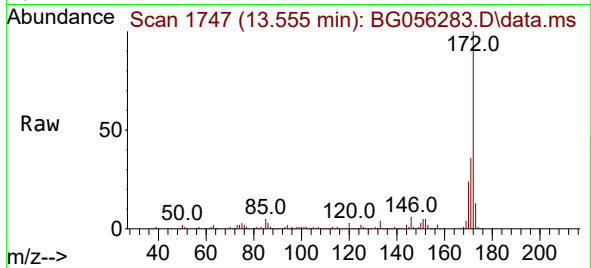




#45
2-Fluorobiphenyl
Concen: 67.027 ng
RT: 13.555 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

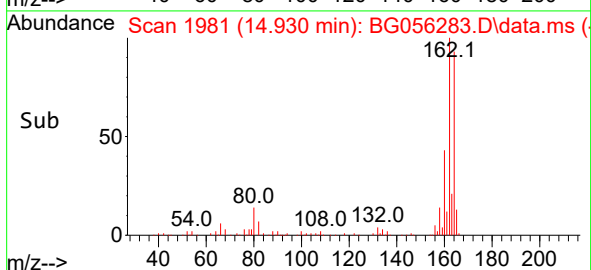
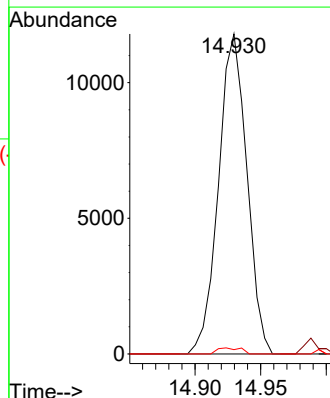
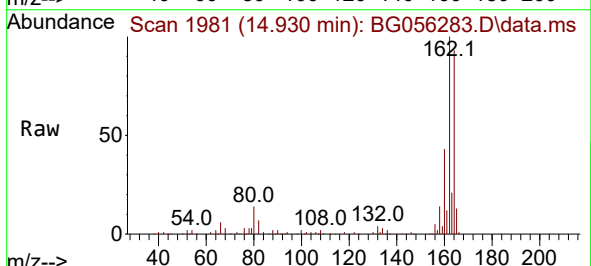
Instrument :
BNA_G
ClientSampleId :
TP-D

Tgt Ion:172 Resp: 654068
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.9 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.641 ng
RT: 14.930 min Scan# 1981
Delta R.T. 0.438 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:165 Resp: 17712
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.3 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.464 ng

RT: 14.930 min Scan# 1981

Delta R.T. -0.344 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Instrument :

BNA_G

ClientSampleId :

TP-D

Tgt Ion:165 Resp: 17712

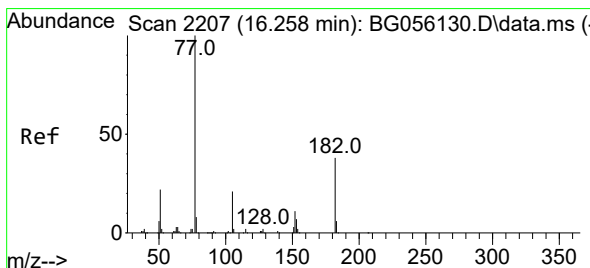
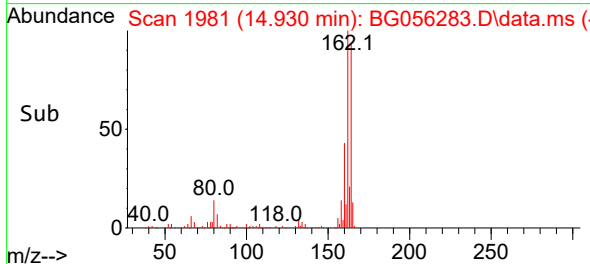
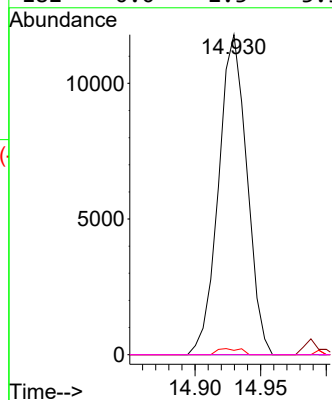
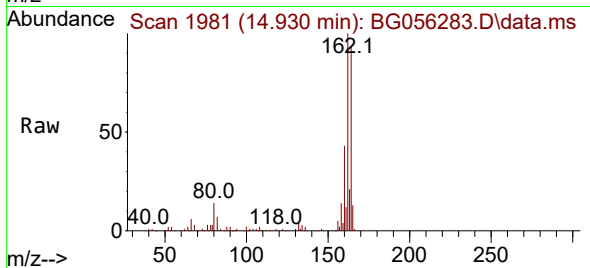
Ion Ratio Lower Upper

165 100

63 0.0 22.6 34.0#

89 1.3 53.2 79.8#

182 0.0 2.3 3.5#



#63

Azobenzene

Concen: 9.312 ng

RT: 16.263 min Scan# 2208

Delta R.T. 0.021 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Tgt Ion: 77 Resp: 73305

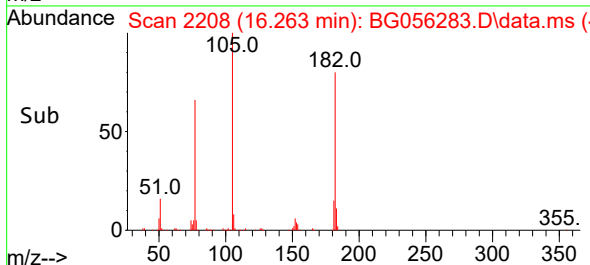
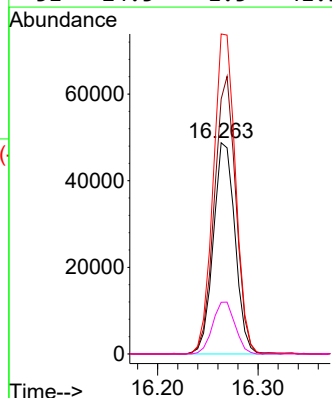
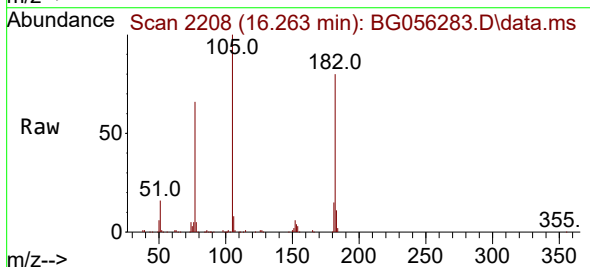
Ion Ratio Lower Upper

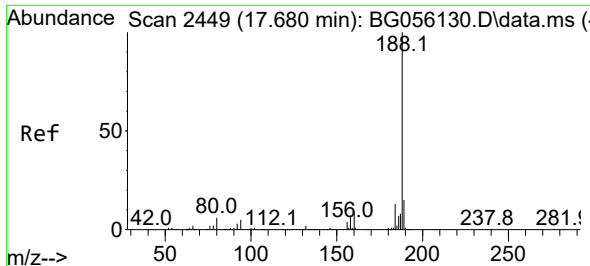
77 100

182 120.7 18.5 58.5#

105 151.6 1.4 41.4#

51 24.5 1.5 41.5

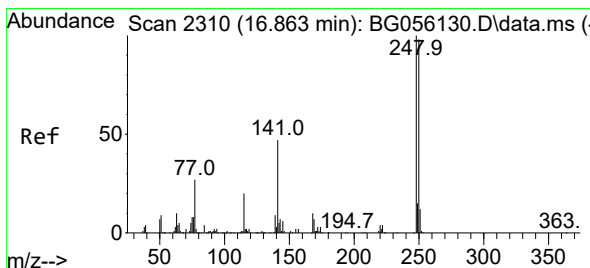
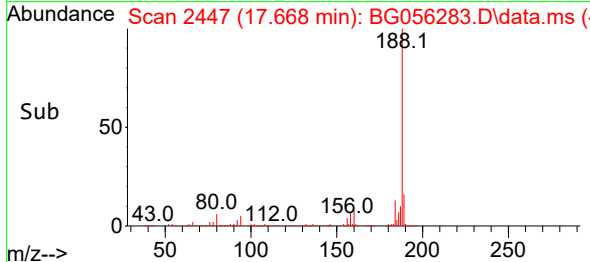
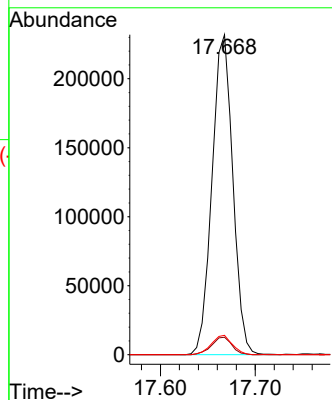
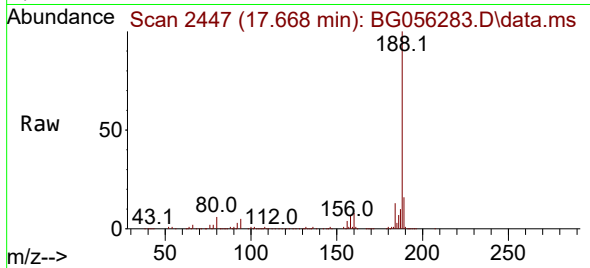




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2449
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

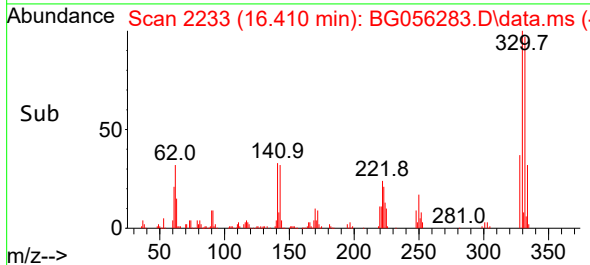
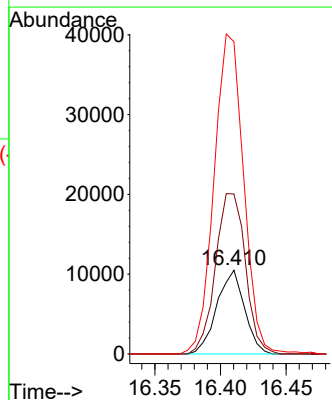
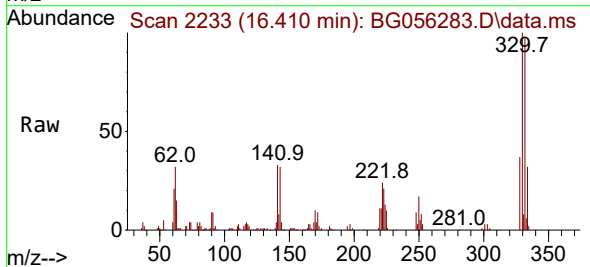
Instrument :
BNA_G
ClientSampleId :
TP-D

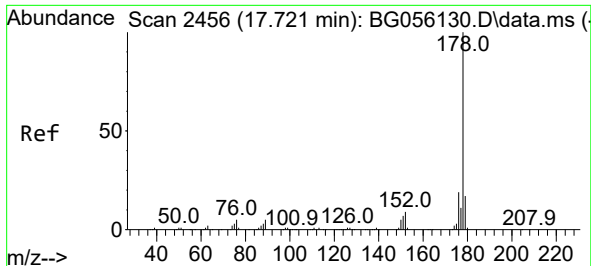
Tgt Ion:188 Resp: 353619
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 6.1 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.427 ng
RT: 16.410 min Scan# 2233
Delta R.T. -0.438 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:248 Resp: 15430
Ion Ratio Lower Upper
248 100
250 144.0 78.2 117.4#
141 280.8 37.6 56.4#

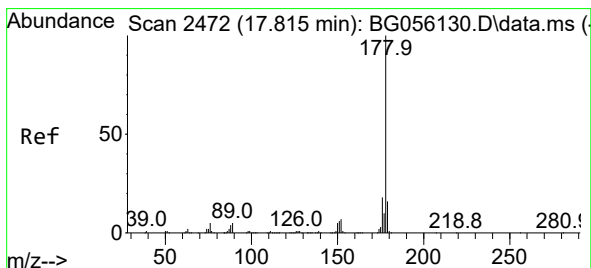
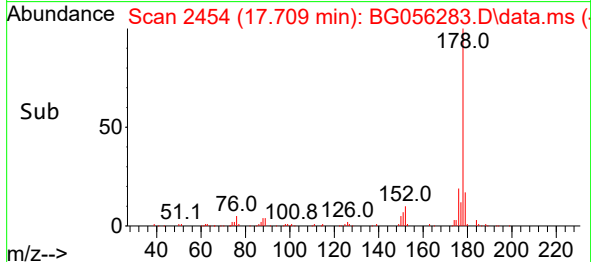
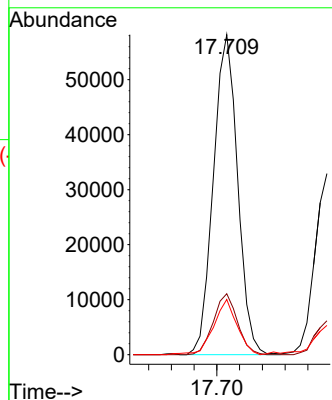
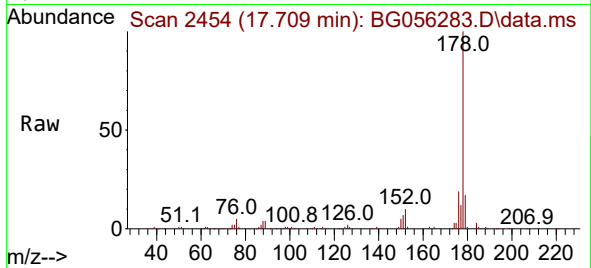




#71
Phenanthrene
Concen: 4.700 ng
RT: 17.709 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

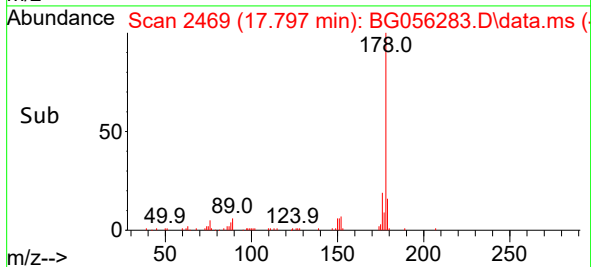
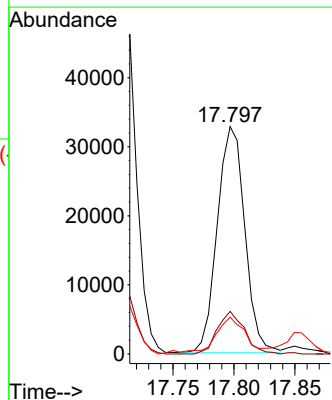
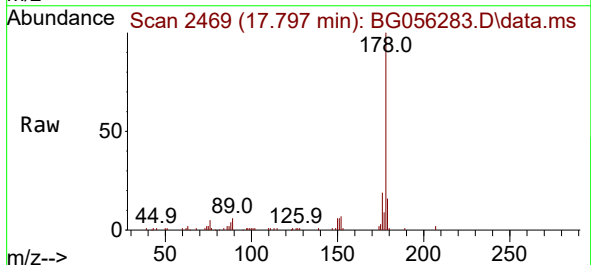
Instrument :
BNA_G
ClientSampleId :
TP-D

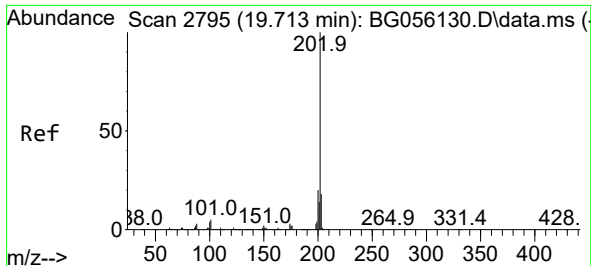
Tgt Ion:178 Resp: 86137
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 17.3 13.6 20.4



#72
Anthracene
Concen: 2.729 ng
RT: 17.797 min Scan# 2469
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:178 Resp: 51593
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 16.2 12.7 19.1

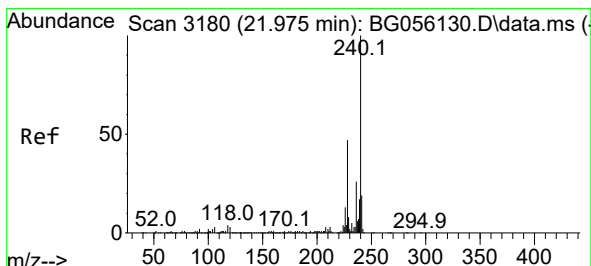
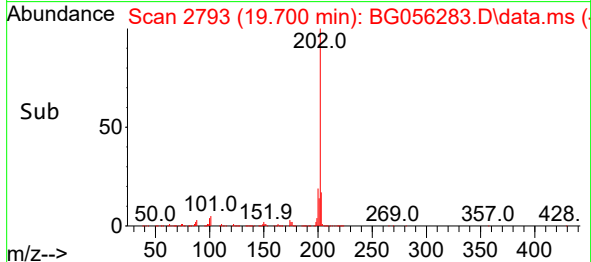
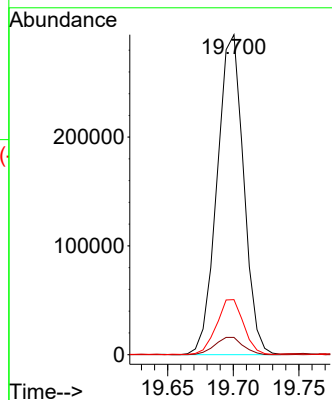
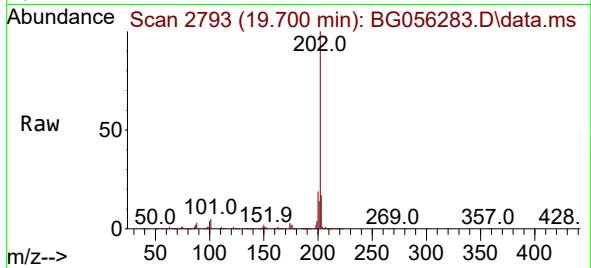




#75
Fluoranthene
Concen: 17.290 ng
RT: 19.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

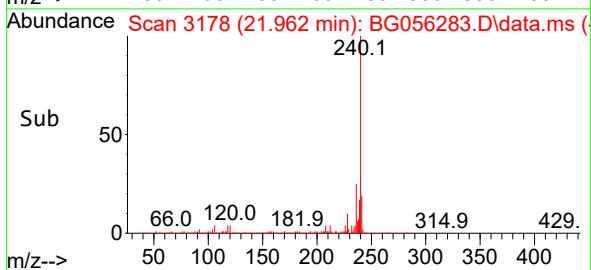
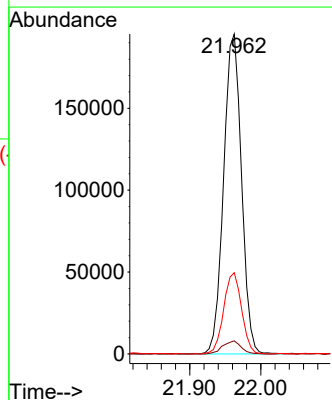
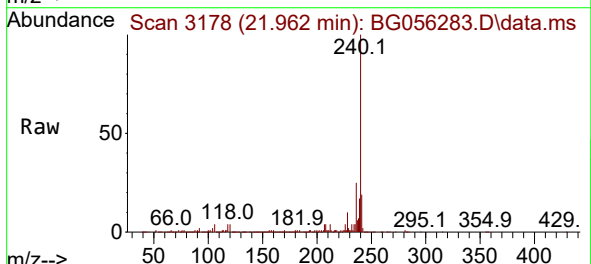
Instrument :
BNA_G
ClientSampleId :
TP-D

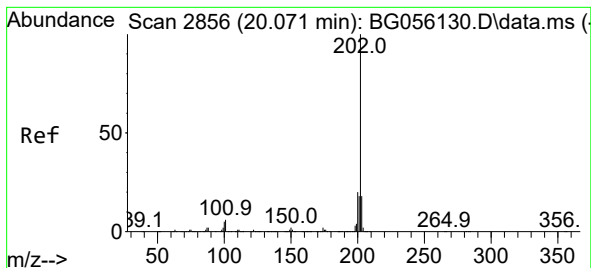
Tgt Ion:202 Resp: 413315
Ion Ratio Lower Upper
202 100
101 5.4 0.0 25.0
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.962 min Scan# 3178
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:240 Resp: 340373
Ion Ratio Lower Upper
240 100
120 4.1 2.6 4.0#
236 25.4 20.8 31.2





#78

Pyrene

Concen: 14.767 ng

RT: 20.059 min Scan# 2854

Delta R.T. 0.003 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Instrument :

BNA_G

ClientSampleId :

TP-D

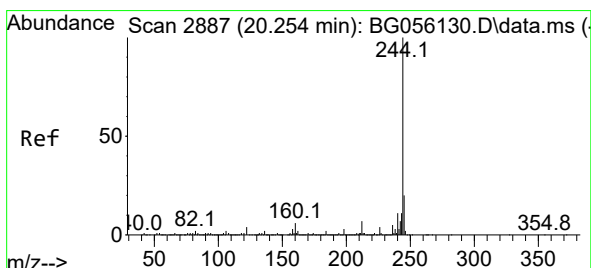
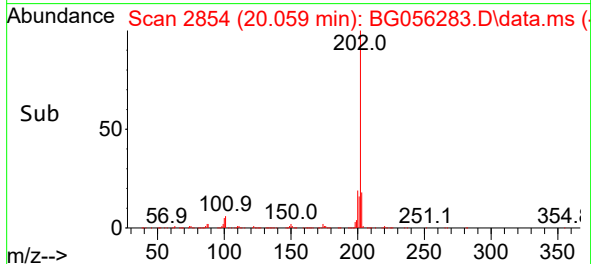
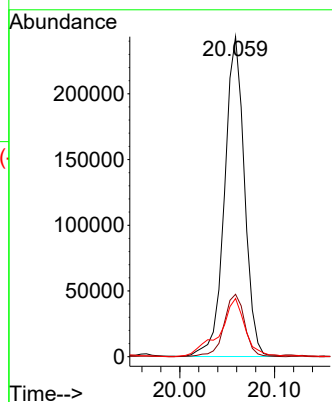
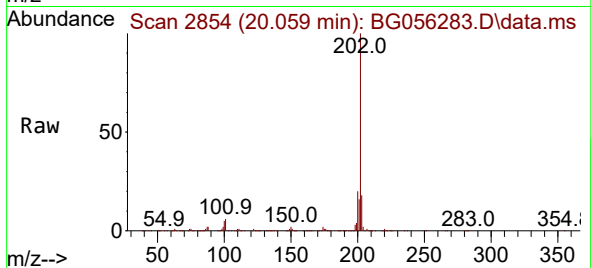
Tgt Ion:202 Resp: 354282

Ion Ratio Lower Upper

202 100

200 19.5 16.4 24.6

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 65.102 ng

RT: 20.241 min Scan# 2885

Delta R.T. 0.003 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

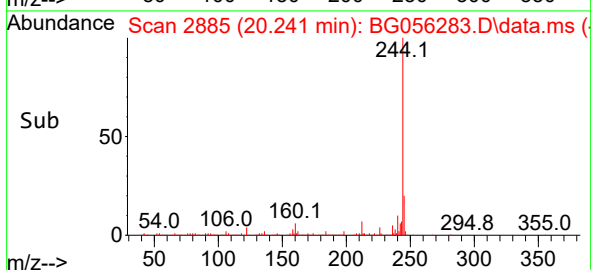
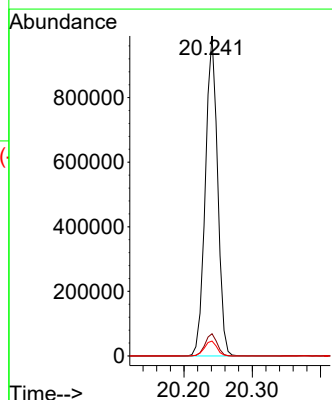
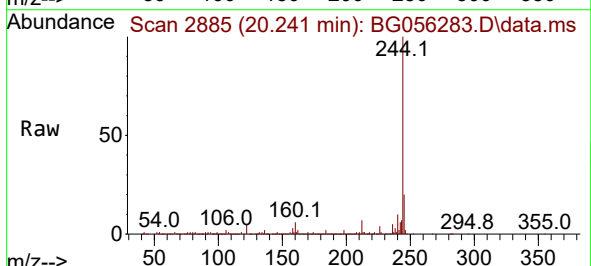
Tgt Ion:244 Resp: 1237203

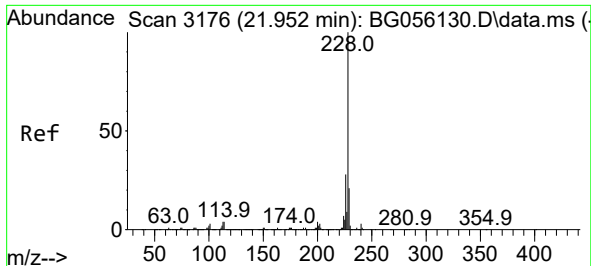
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 4.6 3.5 5.3

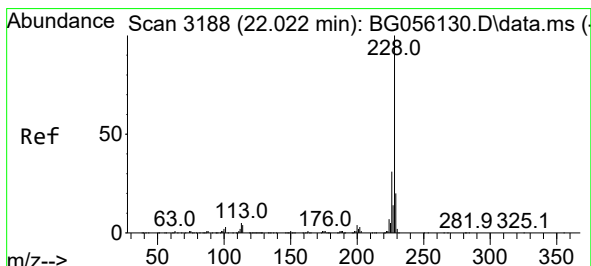
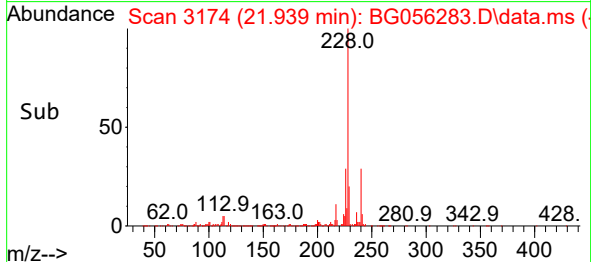
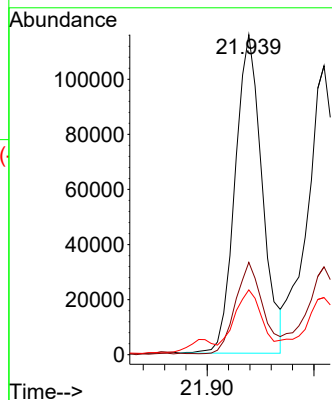
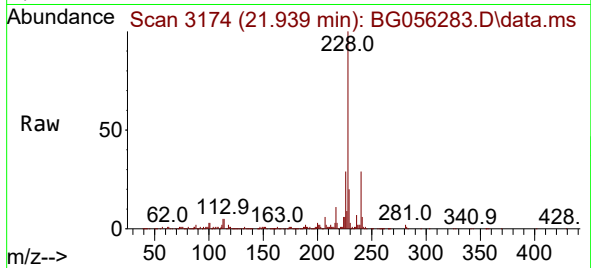




#81
Benzo(a)anthracene
Concen: 8.529 ng
RT: 21.939 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

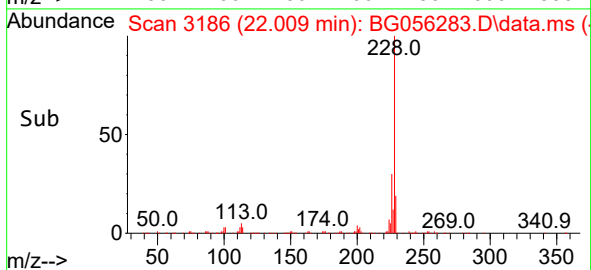
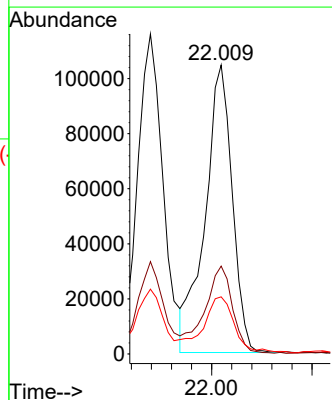
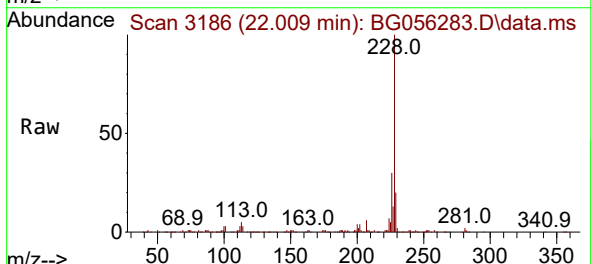
Instrument :
BNA_G
ClientSampleId :
TP-D

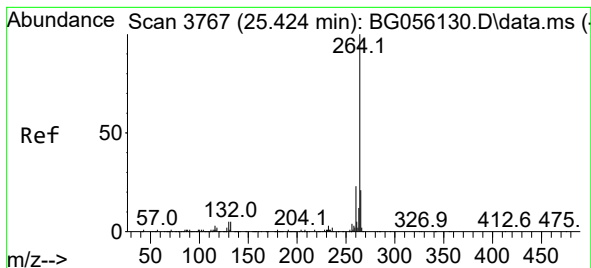
Tgt Ion:228 Resp: 203899
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 20.2 16.9 25.3



#83
Chrysene
Concen: 8.768 ng
RT: 22.009 min Scan# 3186
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:228 Resp: 196357
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 19.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.406 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Instrument :

BNA_G

ClientSampleId :

TP-D

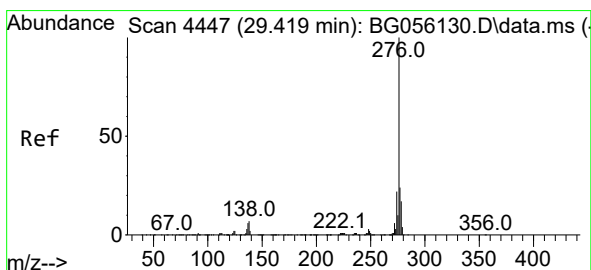
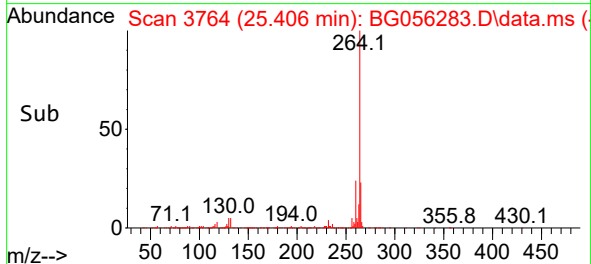
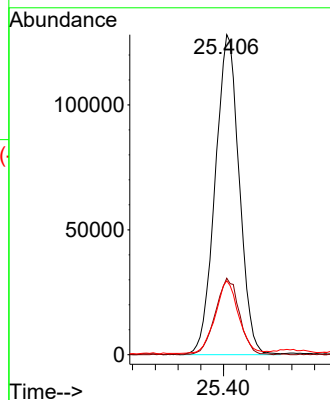
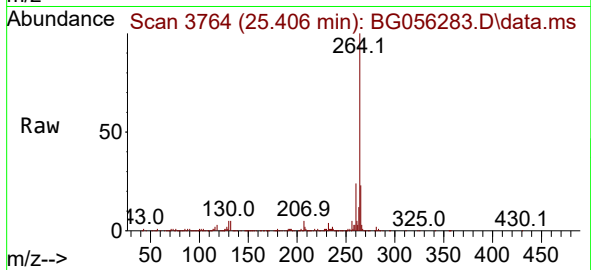
Tgt Ion:264 Resp: 375741

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 23.1 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.722 ng

RT: 29.354 min Scan# 4436

Delta R.T. -0.009 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

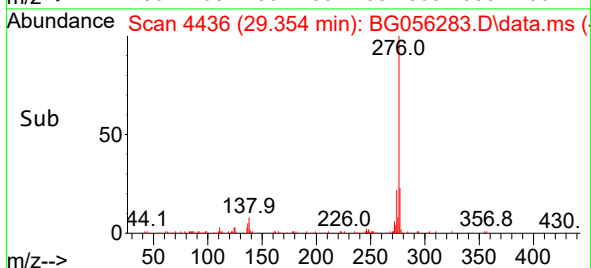
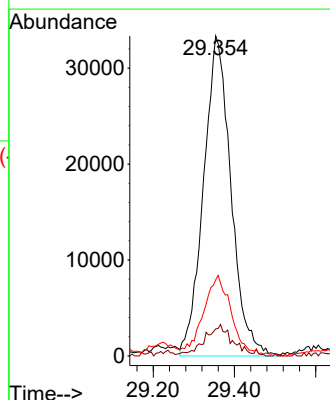
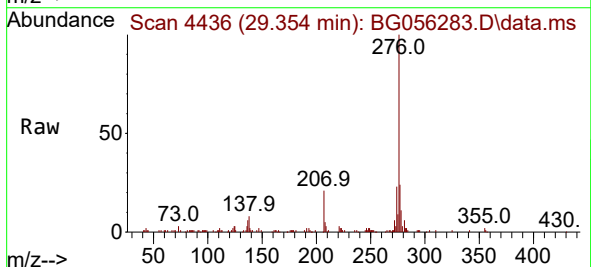
Tgt Ion:276 Resp: 156356

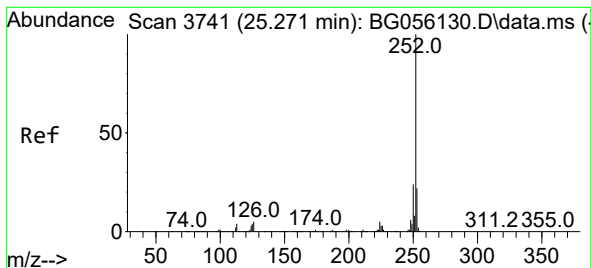
Ion Ratio Lower Upper

276 100

138 9.8 5.0 7.4#

277 24.2 20.5 30.7





#90

Benzo(a)pyrene

Concen: 9.070 ng

RT: 25.241 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Instrument :

BNA_G

ClientSampleId :

TP-D

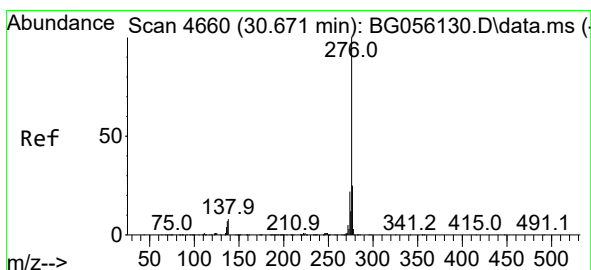
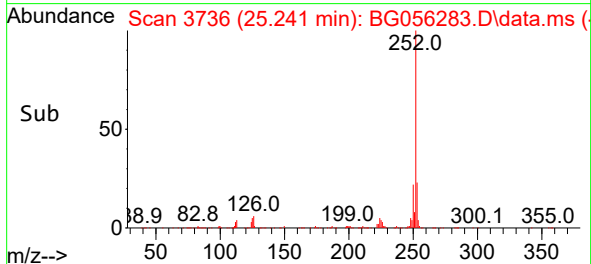
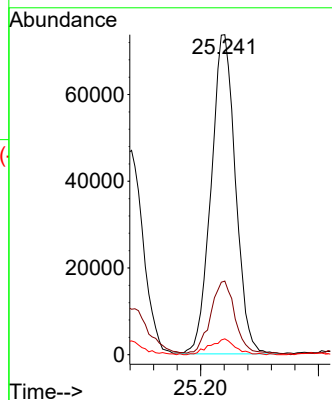
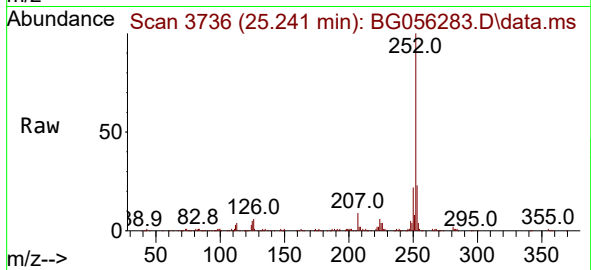
Tgt Ion:252 Resp: 211195

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 4.9 3.2 4.8#



#92

Benzo(g,h,i)perylene

Concen: 6.624 ng

RT: 30.599 min Scan# 4648

Delta R.T. -0.015 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Tgt Ion:276 Resp: 147160

Ion Ratio Lower Upper

276 100

277 22.7 19.7 29.5

138 9.0 6.7 10.1

