

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056194.D
 Acq On : 3 Jan 2023 20:26
 Operator : CG/JU
 Sample : N6248-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Quant Time: Jan 04 02:15:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 04 02:08:15 2023
 Response via : Initial Calibration

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

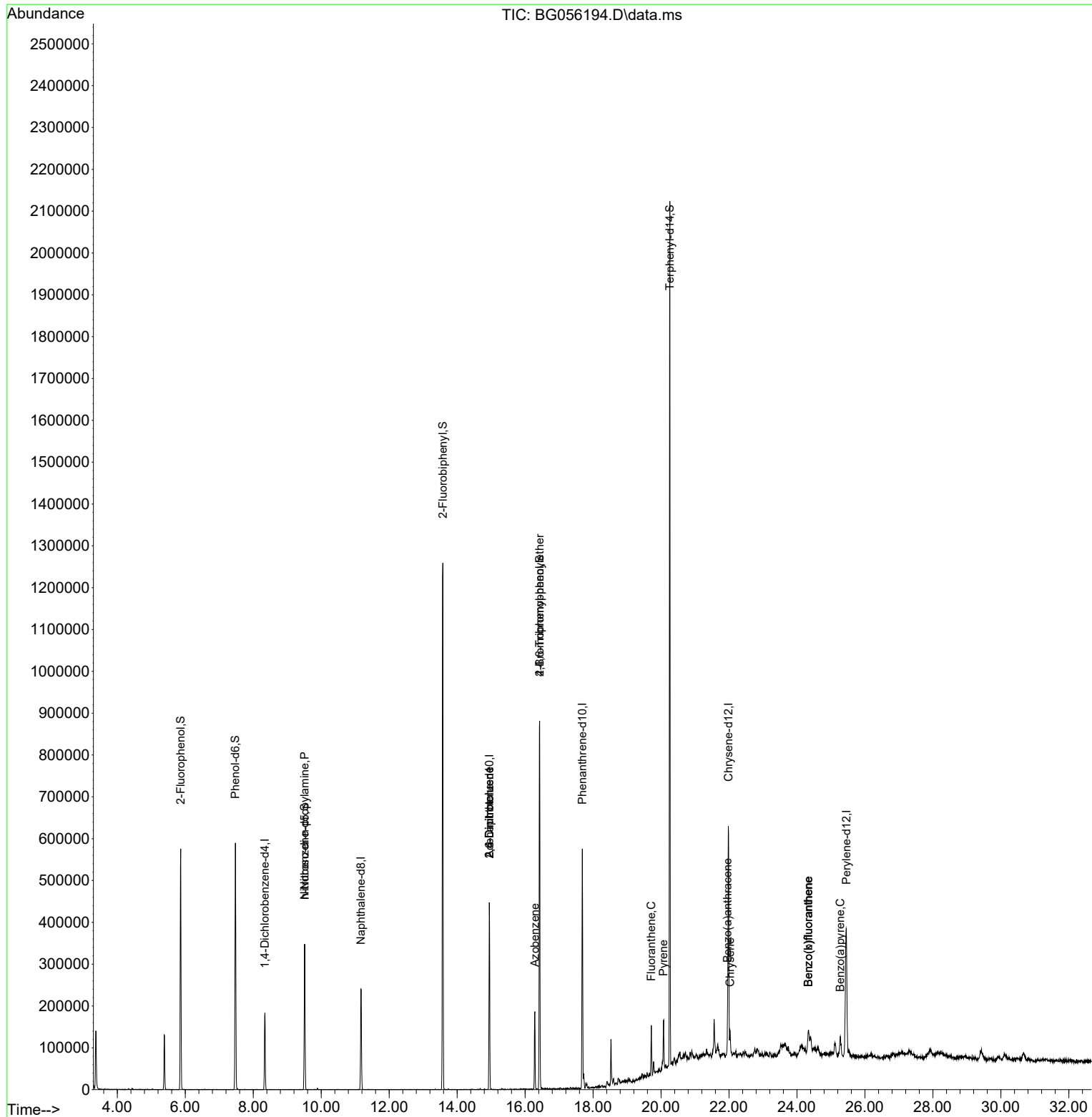
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	60605	20.000	ng	0.00
21) Naphthalene-d8	11.169	136	226485	20.000	ng	0.00
39) Acenaphthene-d10	14.947	164	172463	20.000	ng	0.00
64) Phenanthrene-d10	17.685	188	402563	20.000	ng	0.00
76) Chrysene-d12	21.980	240	373487	20.000	ng	0.00
86) Perylene-d12	25.453	264	404314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.864	112	324593	95.629	ng	0.02
7) Phenol-d6	7.474	99	454638	87.218	ng	0.00
23) Nitrobenzene-d5	9.512	82	250858	56.656	ng	0.00
42) 2,4,6-Tribromophenol	16.428	330	184180	84.323	ng	0.00
45) 2-Fluorobiphenyl	13.578	172	726715	58.188	ng	0.00
79) Terphenyl-d14	20.259	244	1130397	54.208	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.512	70	31640	9.982	ng	# 75
51) 2,6-Dinitrotoluene	14.947	165	22594	7.616	ng	# 31
57) 2,4-Dinitrotoluene	14.947	165	22594	5.446	ng	# 28
63) Azobenzene	16.287	77	50396	5.002	ng	# 1
67) 4-Bromophenyl-phenylether	16.428	248	15340	2.992	ng	# 1
75) Fluoranthene	19.712	202	81052	2.978	ng	98
78) Pyrene	20.071	202	83917	3.188	ng	97
81) Benzo(a)anthracene	21.957	228	54248	2.068	ng	96
83) Chrysene	22.033	228	49148	2.000	ng	98
88) Benzo(b)fluoranthene	24.336	252	76643	2.984	ng	# 93
89) Benzo(k)fluoranthene	24.336	252	76643	2.996	ng	# 93
90) Benzo(a)pyrene	25.276	252	57186	2.282	ng	# 99

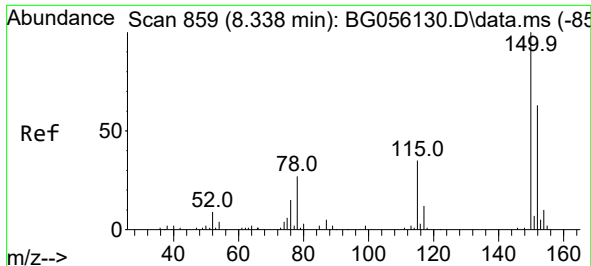
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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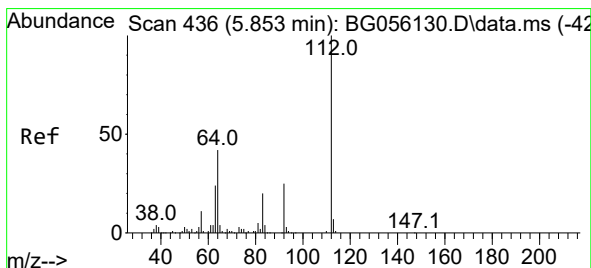
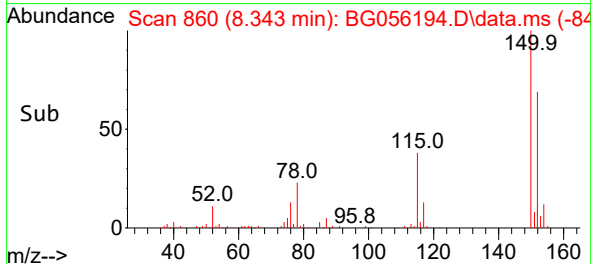
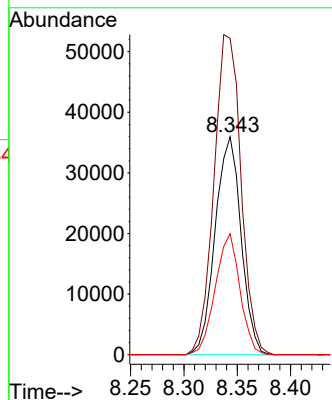
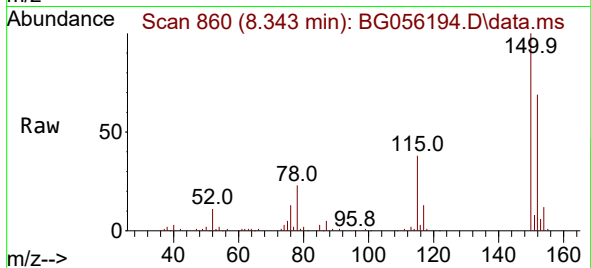




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

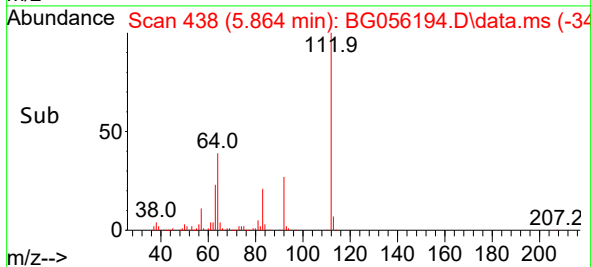
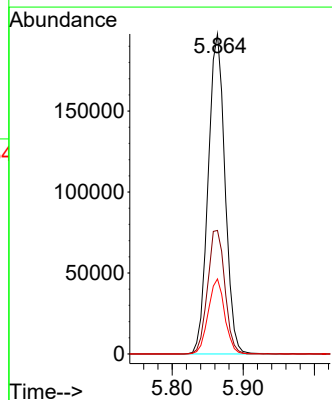
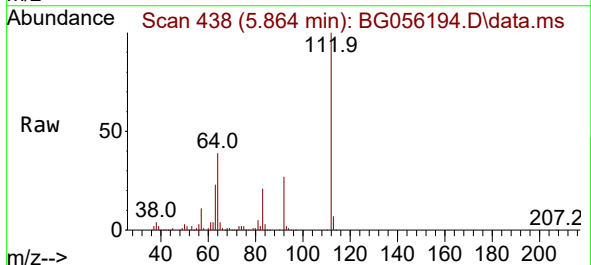
Instrument :
BNA_G
ClientSampleId :
TP-20

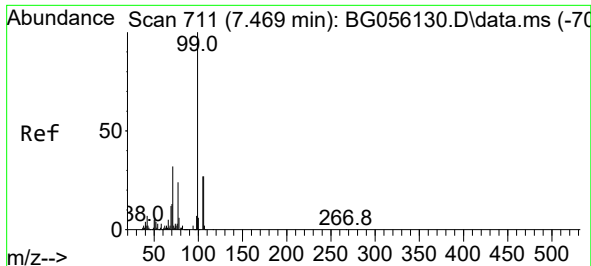
Tgt Ion:152 Resp: 60605
Ion Ratio Lower Upper
152 100
150 145.1 127.9 191.9
115 55.5 44.2 66.2



#5
2-Fluorophenol
Concen: 95.629 ng
RT: 5.864 min Scan# 438
Delta R.T. 0.017 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion:112 Resp: 324593
Ion Ratio Lower Upper
112 100
64 38.6 33.3 49.9
63 23.4 19.0 28.4

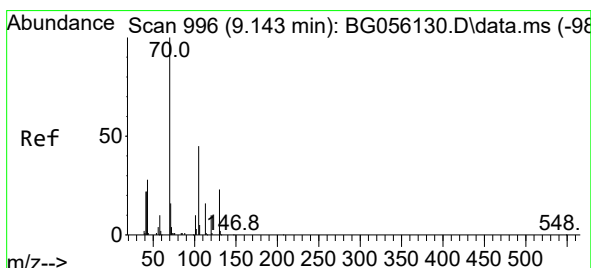
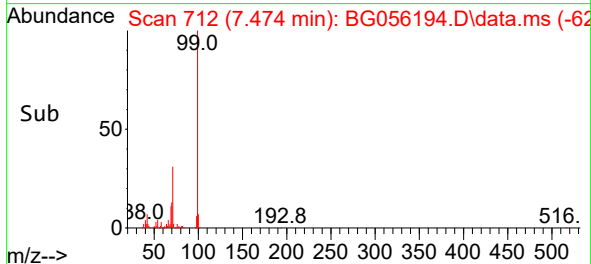
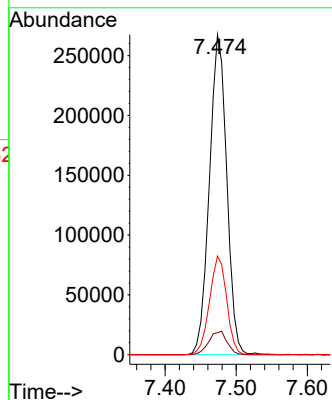
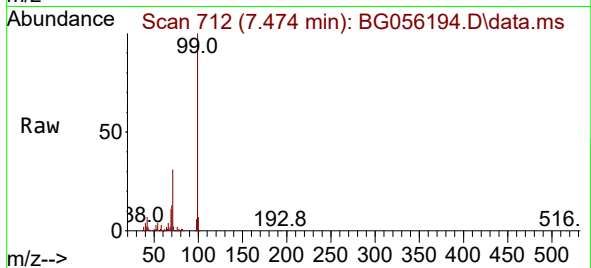




#7
Phenol-d6
Concen: 87.218 ng
RT: 7.474 min Scan# 711
Delta R.T. 0.005 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

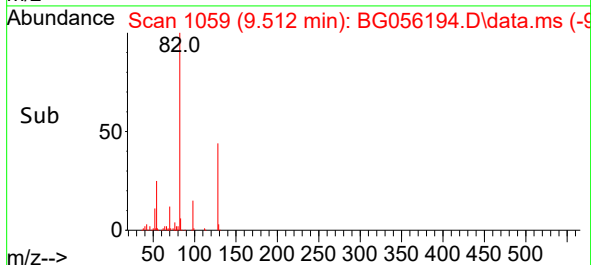
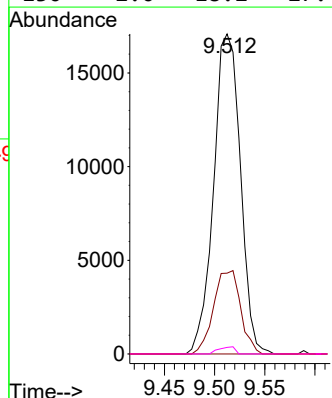
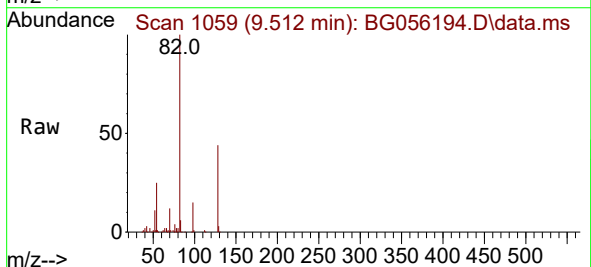
Instrument :
BNA_G
ClientSampleId :
TP-20

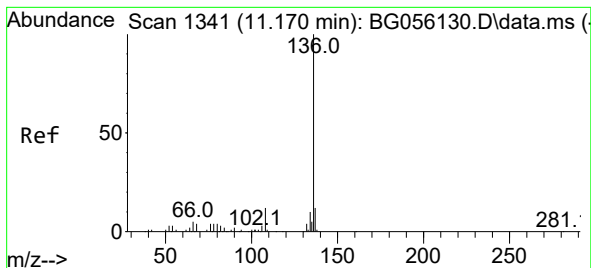
Tgt Ion: 99 Resp: 454638
Ion Ratio Lower Upper
99 100
42 6.9 5.9 8.9
71 30.8 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.982 ng
RT: 9.512 min Scan# 1059
Delta R.T. 0.375 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion: 70 Resp: 31640
Ion Ratio Lower Upper
70 100
42 25.2 18.2 27.2
101 0.0 8.3 12.5#
130 2.0 18.2 27.4#

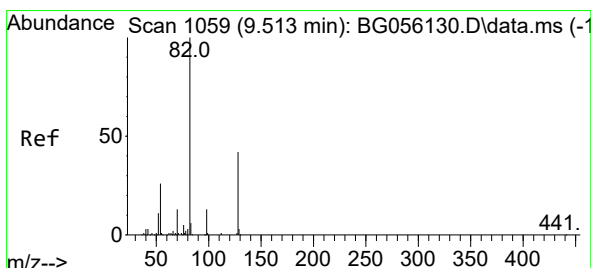
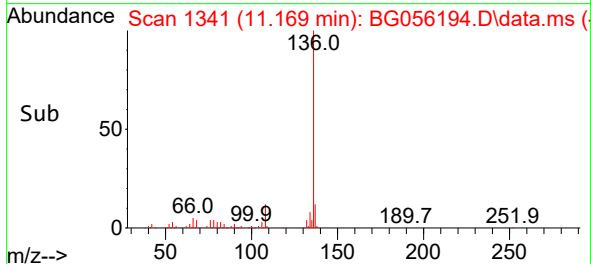
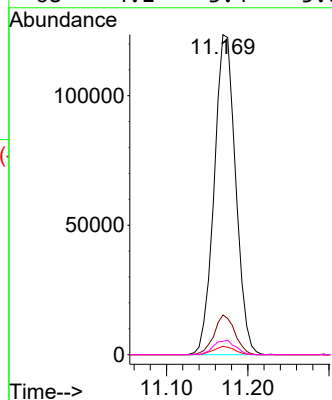
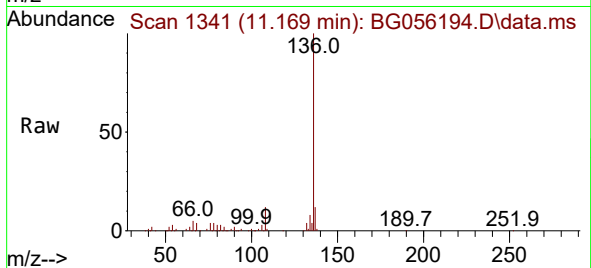




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

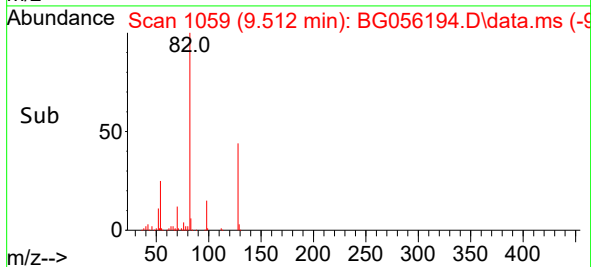
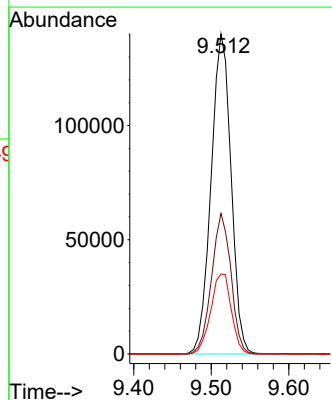
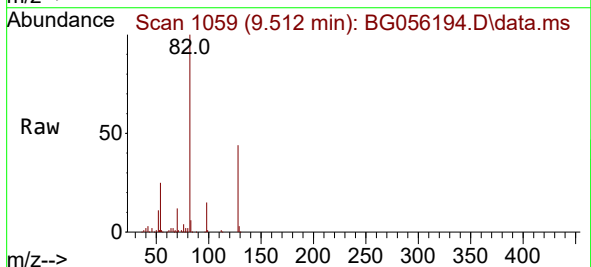
Instrument :
BNA_G
ClientSampleId :
TP-20

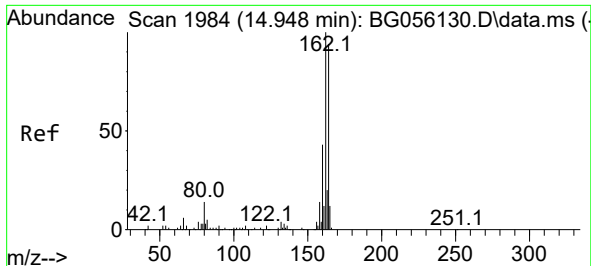
Tgt Ion:136 Resp: 226485
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 2.6 2.2 3.2
68 4.1 3.4 5.0



#23
Nitrobenzene-d5
Concen: 56.656 ng
RT: 9.512 min Scan# 1059
Delta R.T. 0.005 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion: 82 Resp: 250858
Ion Ratio Lower Upper
82 100
128 43.9 33.4 50.2
54 25.0 20.3 30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.947 min Scan# 1984

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA_G

ClientSampleId :

TP-20

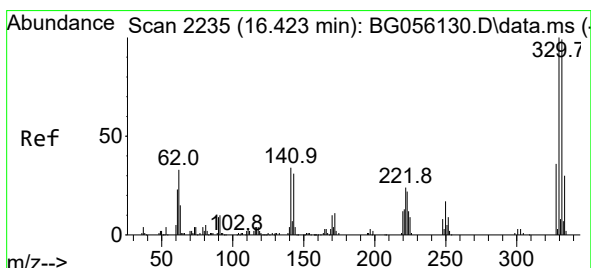
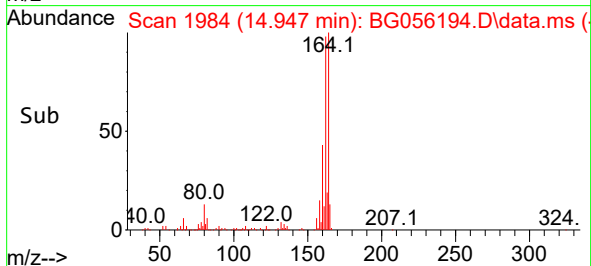
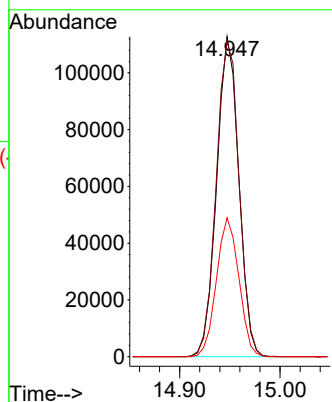
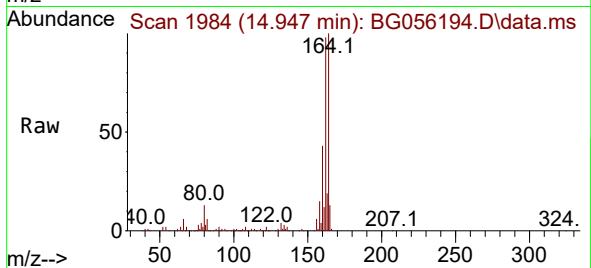
Tgt Ion:164 Resp: 172463

Ion Ratio Lower Upper

164 100

162 98.5 84.7 127.1

160 43.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 84.323 ng

RT: 16.428 min Scan# 2236

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

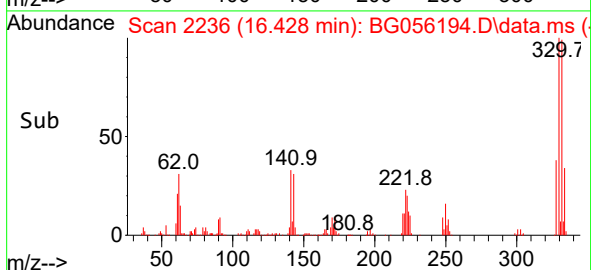
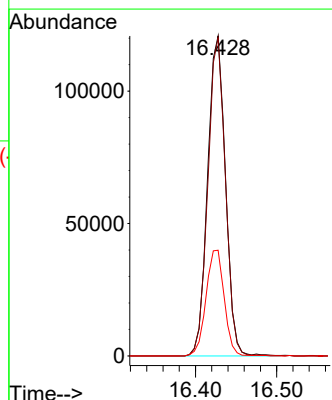
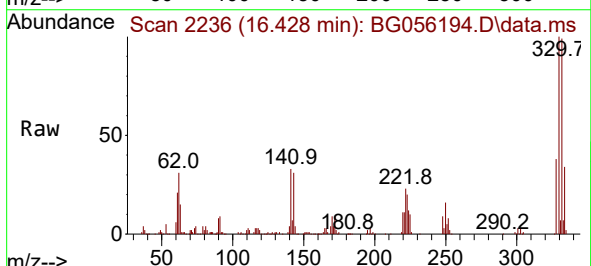
Tgt Ion:330 Resp: 184180

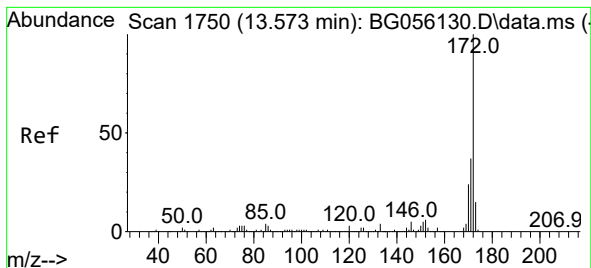
Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

141 33.7 27.9 41.9

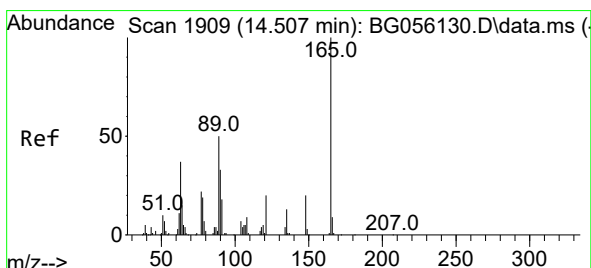
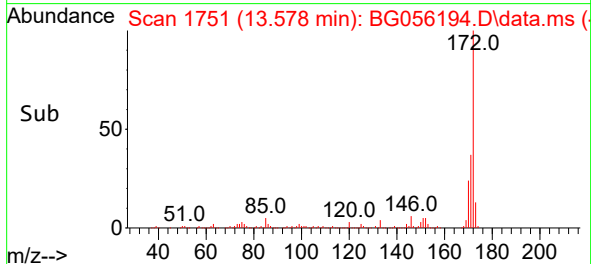
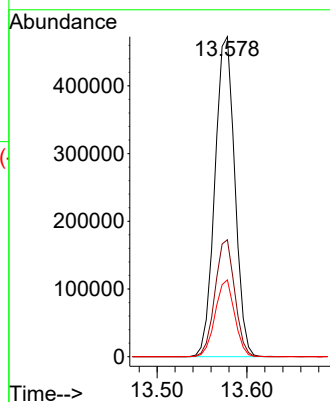
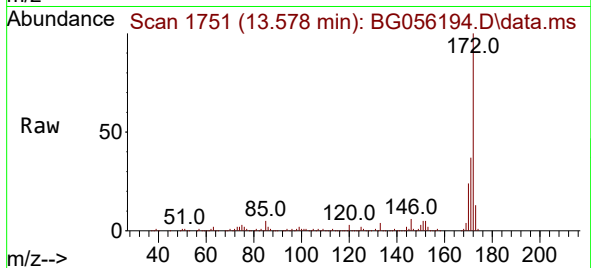




#45
2-Fluorobiphenyl
Concen: 58.188 ng
RT: 13.578 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

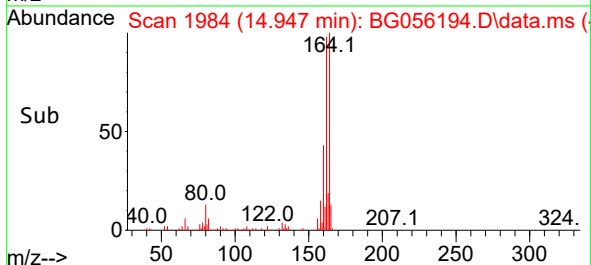
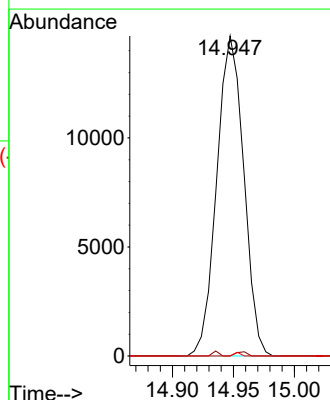
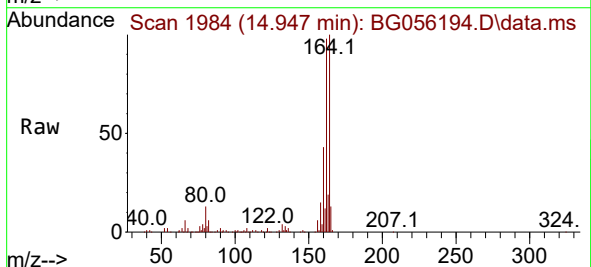
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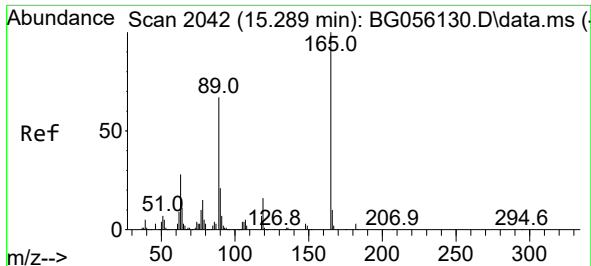
Tgt Ion:172 Resp: 726715
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.0 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.616 ng
RT: 14.947 min Scan# 1984
Delta R.T. 0.434 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion:165 Resp: 22594
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#

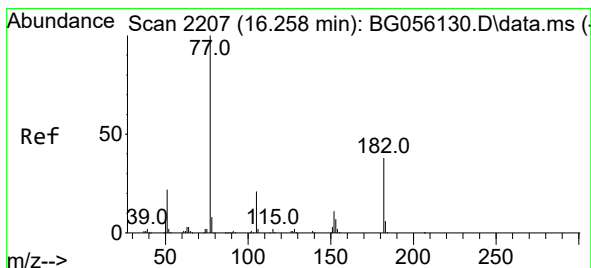
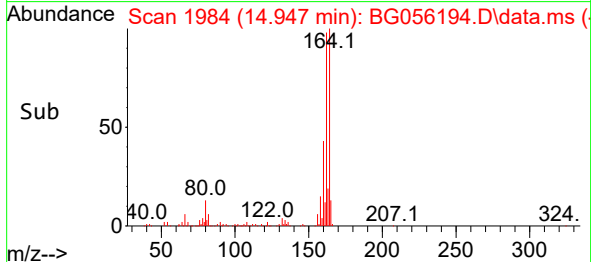
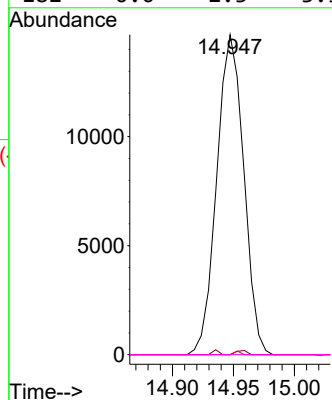
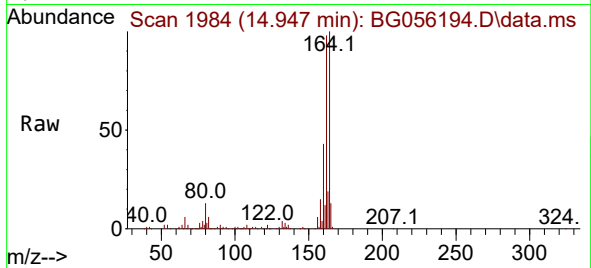




#57
2,4-Dinitrotoluene
Concen: 5.446 ng
RT: 14.947 min Scan# 1984
Delta R.T. -0.347 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

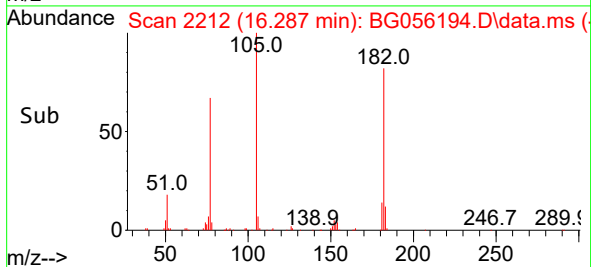
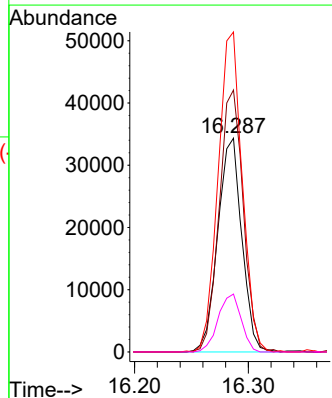
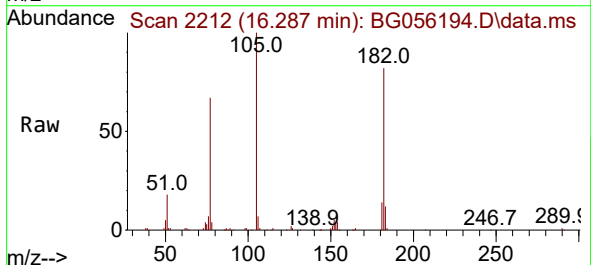
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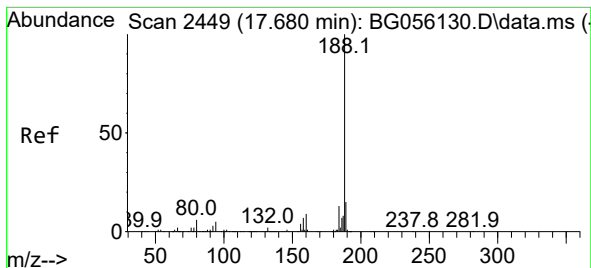
Tgt Ion:165 Resp: 22594
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 5.002 ng
RT: 16.287 min Scan# 2212
Delta R.T. 0.023 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion: 77 Resp: 50396
Ion Ratio Lower Upper
77 100
182 122.5 18.5 58.5#
105 149.7 1.4 41.4#
51 27.1 1.5 41.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.685 min Scan# 2449

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA_G

ClientSampleId :

TP-20

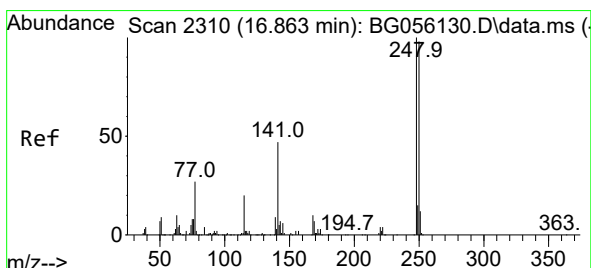
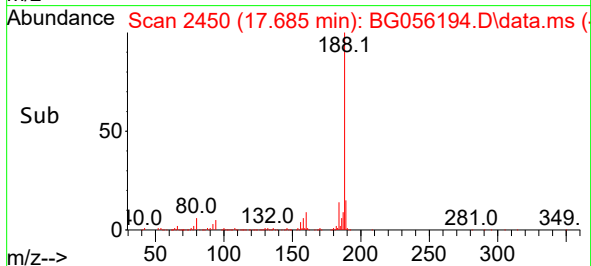
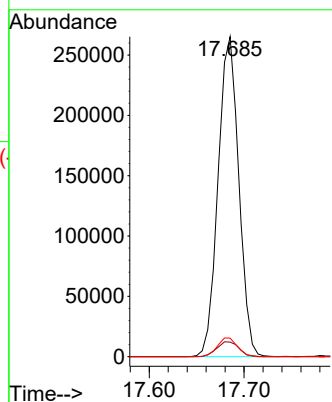
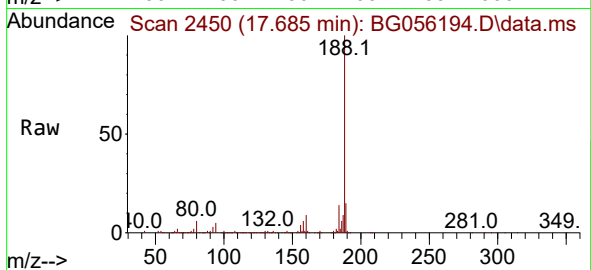
Tgt Ion:188 Resp: 402563

Ion Ratio Lower Upper

188 100

94 4.5 4.2 6.2

80 5.8 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 2.992 ng

RT: 16.428 min Scan# 2236

Delta R.T. -0.436 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

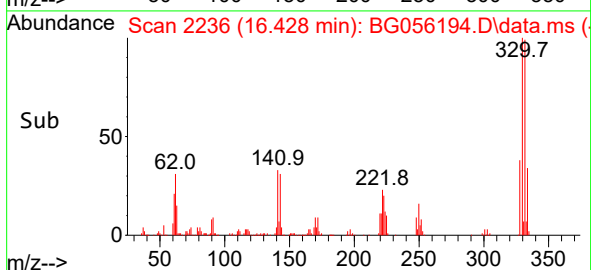
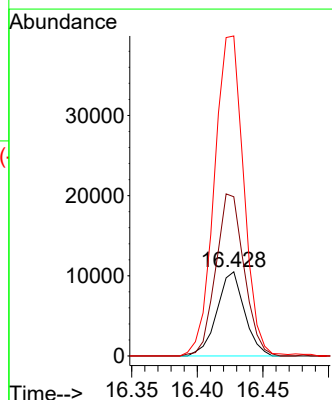
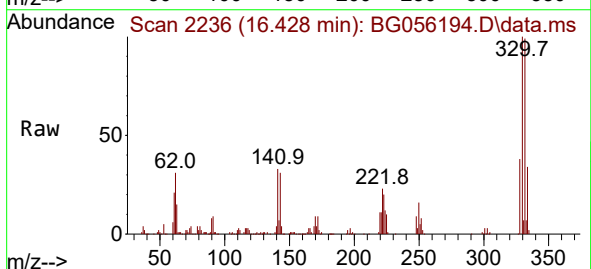
Tgt Ion:248 Resp: 15340

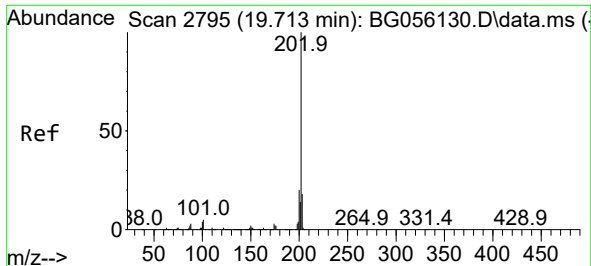
Ion Ratio Lower Upper

248 100

250 143.8 78.2 117.4#

141 289.0 37.6 56.4#

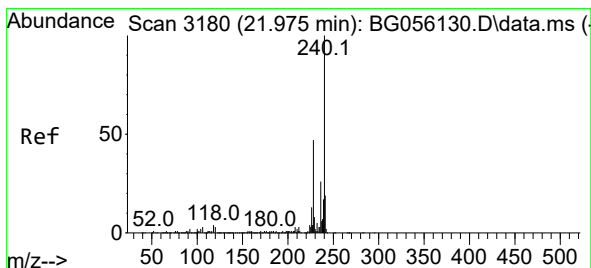
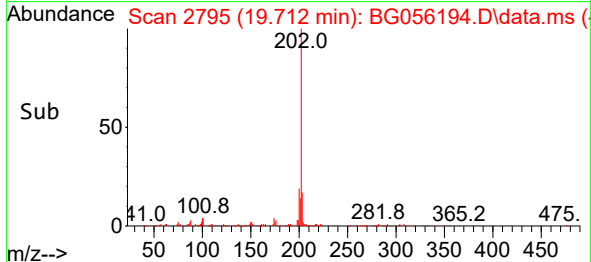
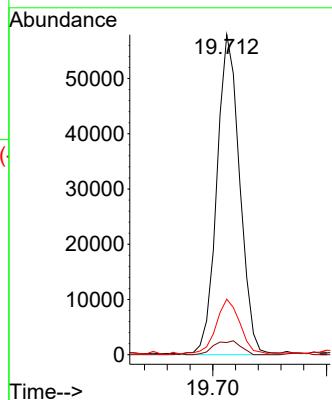
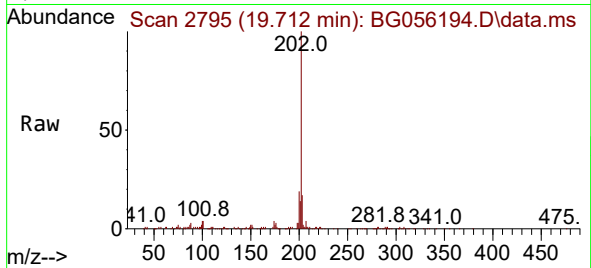




#75
Fluoranthene
Concen: 2.978 ng
RT: 19.712 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

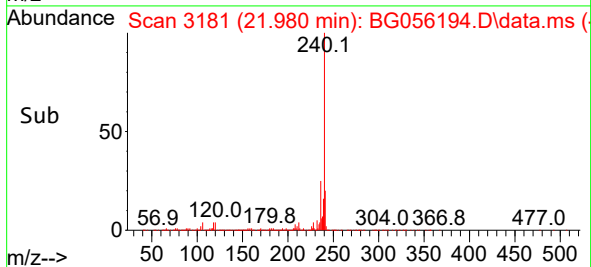
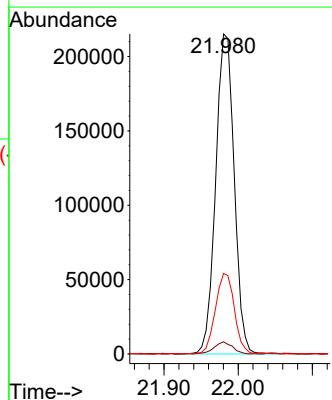
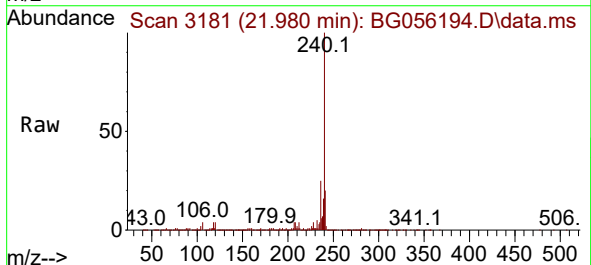
Instrument :
BNA_G
ClientSampleId :
TP-20

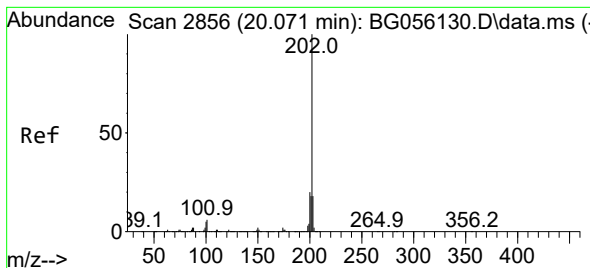
Tgt Ion:202 Resp: 81052
Ion Ratio Lower Upper
202 100
101 3.8 0.0 25.0
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.980 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion:240 Resp: 373487
Ion Ratio Lower Upper
240 100
120 3.8 2.6 4.0
236 25.2 20.8 31.2





#78

Pyrene

Concen: 3.188 ng

RT: 20.071 min Scan# 2856

Delta R.T. -0.007 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA_G

ClientSampleId :

TP-20

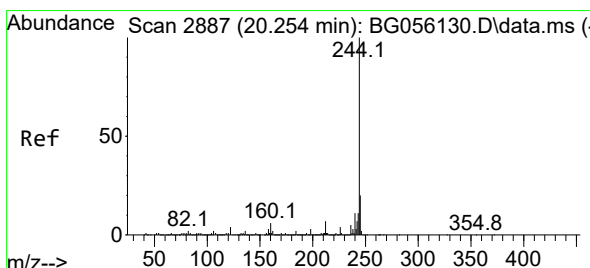
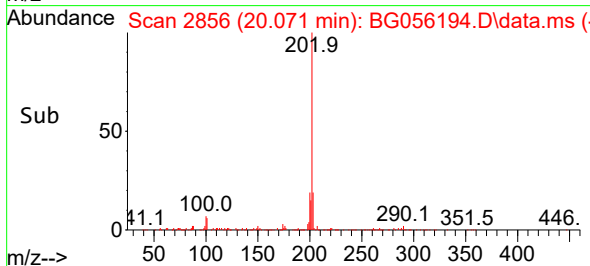
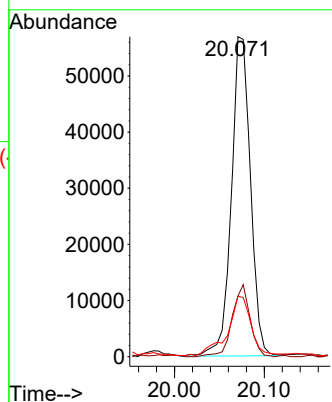
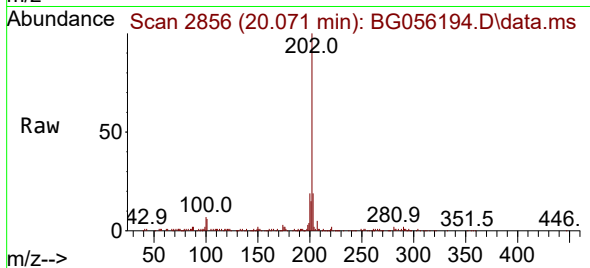
Tgt Ion:202 Resp: 83917

Ion Ratio Lower Upper

202 100

200 18.9 16.4 24.6

203 18.9 14.3 21.5



#79

Terphenyl-d14

Concen: 54.208 ng

RT: 20.259 min Scan# 2888

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

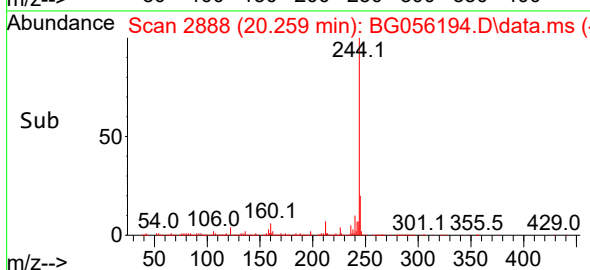
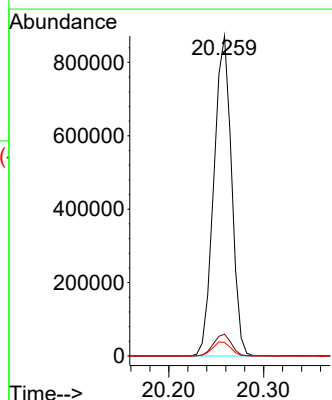
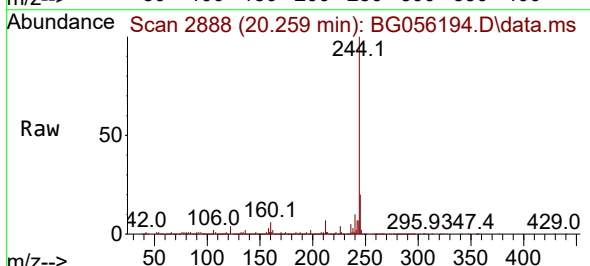
Tgt Ion:244 Resp: 1130397

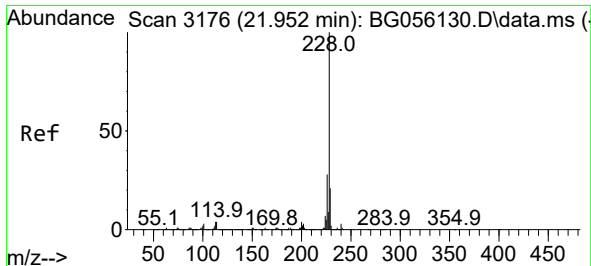
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 4.2 3.5 5.3

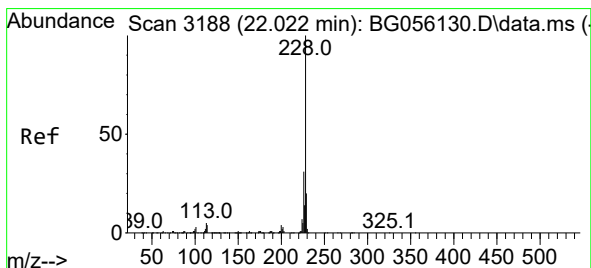
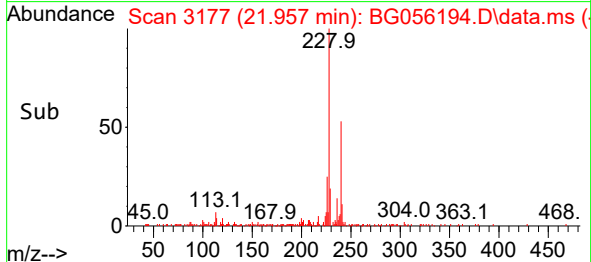
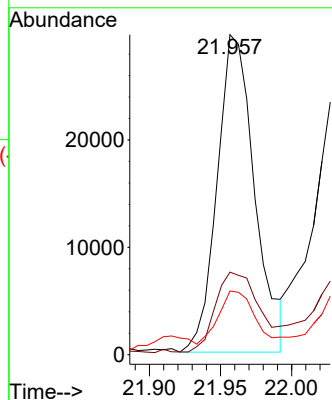
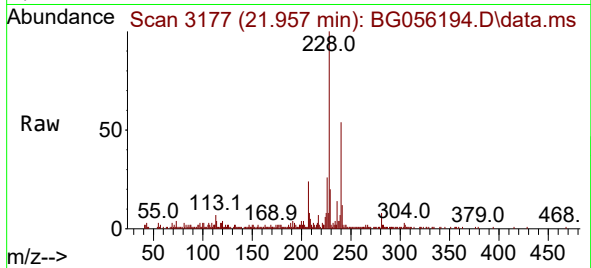




#81
Benzo(a)anthracene
Concen: 2.068 ng
RT: 21.957 min Scan# 3176
Delta R.T. -0.007 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

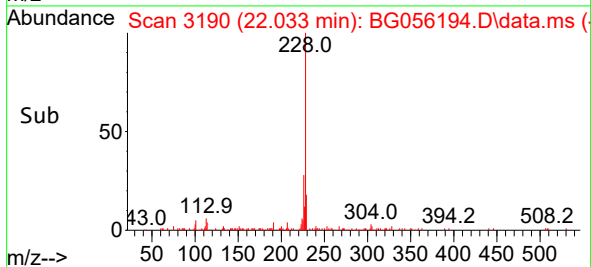
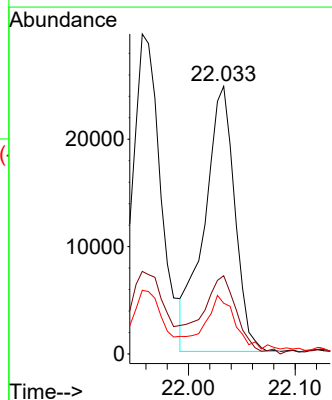
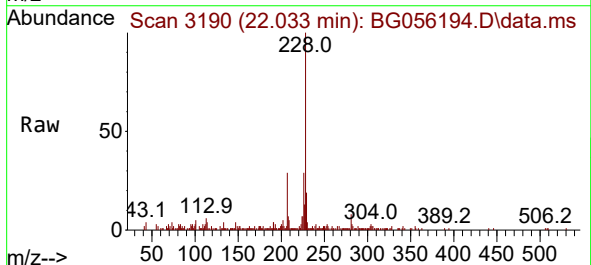
Instrument :
BNA_G
ClientSampleId :
TP-20

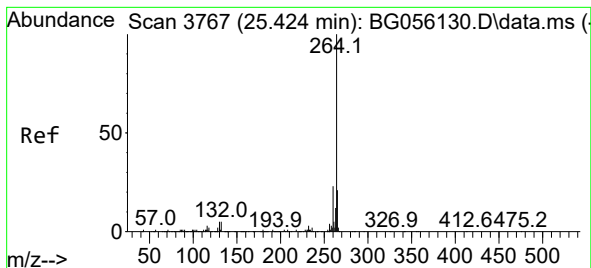
Tgt Ion:228 Resp: 54248
Ion Ratio Lower Upper
228 100
226 25.8 22.6 34.0
229 19.9 16.9 25.3



#83
Chrysene
Concen: 2.000 ng
RT: 22.033 min Scan# 3190
Delta R.T. -0.001 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion:228 Resp: 49148
Ion Ratio Lower Upper
228 100
226 29.2 24.6 36.8
229 18.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.453 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA_G

ClientSampleId :

TP-20

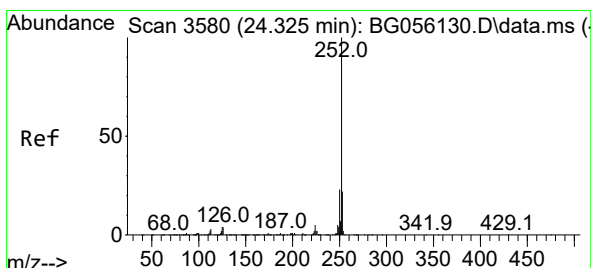
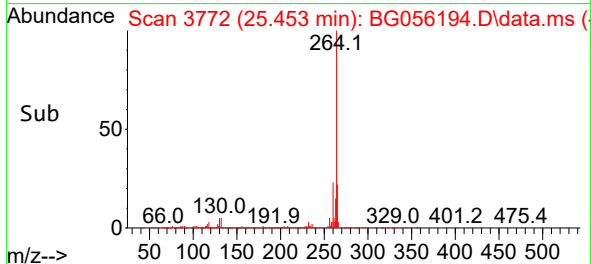
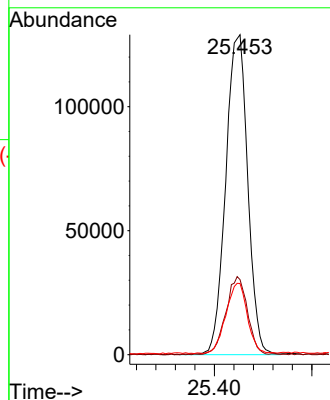
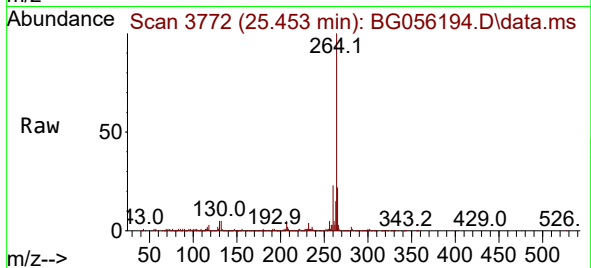
Tgt Ion:264 Resp: 404314

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.2 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 2.984 ng

RT: 24.336 min Scan# 3582

Delta R.T. -0.007 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

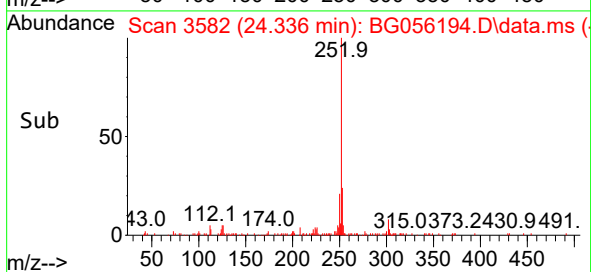
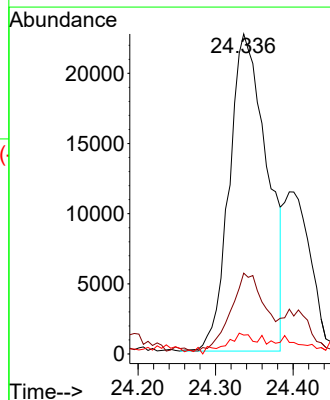
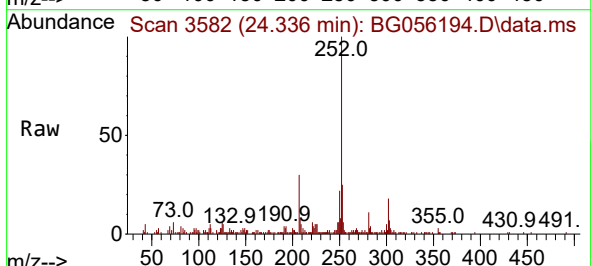
Tgt Ion:252 Resp: 76643

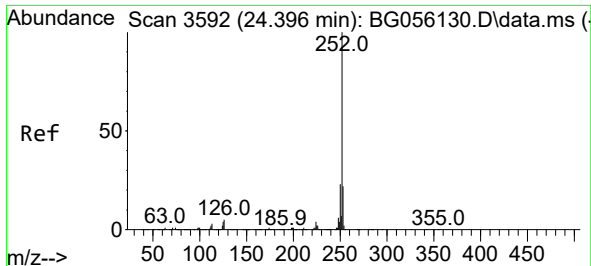
Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.2

125 5.9 3.0 4.4#

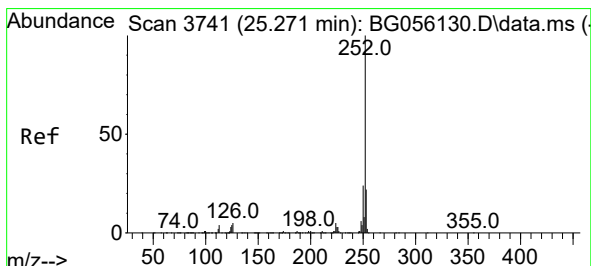
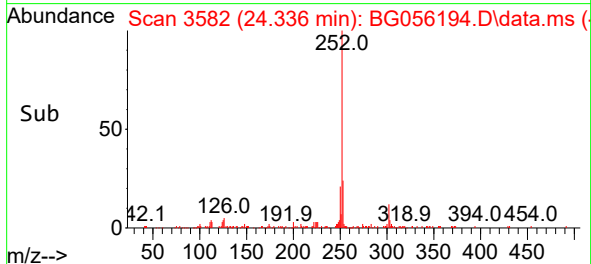
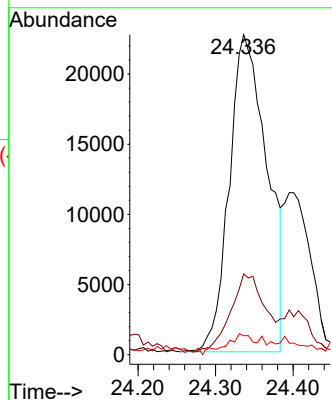
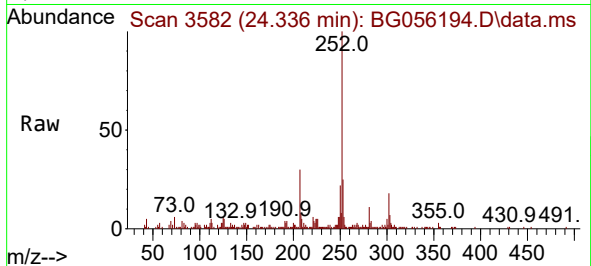




#89
Benzo(k)fluoranthene
Concen: 2.996 ng
RT: 24.336 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Instrument :
BNA_G
ClientSampleId :
TP-20

Tgt Ion:252 Resp: 76643
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 5.9 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 2.282 ng
RT: 25.276 min Scan# 3742
Delta R.T. -0.007 min
Lab File: BG056194.D
Acq: 3 Jan 2023 20:26

Tgt Ion:252 Resp: 57186
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 6.3 3.2 4.8#

