

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056195.D
 Acq On : 3 Jan 2023 21:07
 Operator : CG/JU
 Sample : N6244-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-13

Quant Time: Jan 04 02:16:11 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)

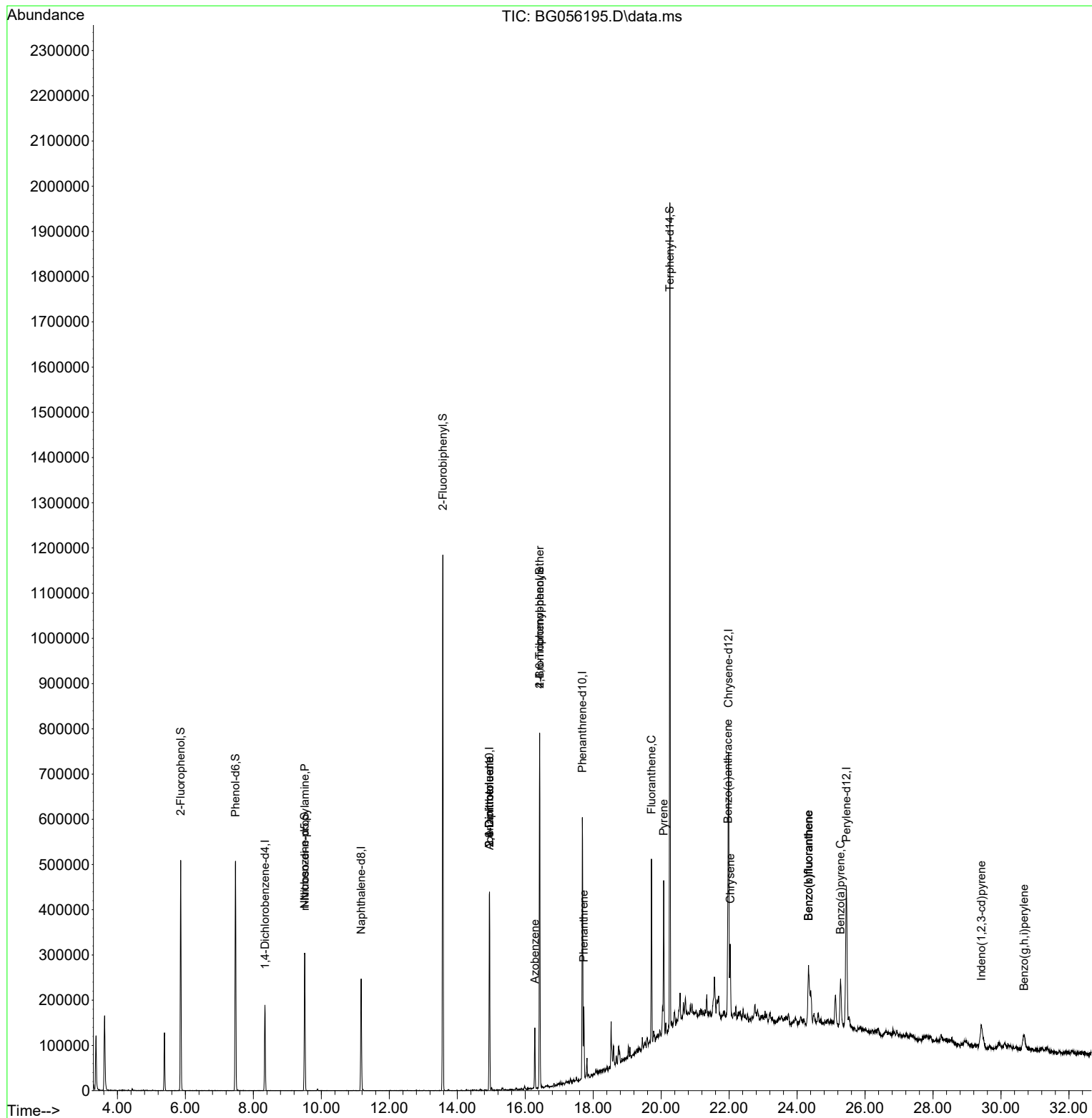
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.347	152	62506	20.000	ng	0.00
21) Naphthalene-d8	11.173	136	232012	20.000	ng	0.00
39) Acenaphthene-d10	14.945	164	174186	20.000	ng	0.00
64) Phenanthrene-d10	17.683	188	402541	20.000	ng	0.00
76) Chrysene-d12	21.983	240	366650	20.000	ng	0.00
86) Perylene-d12	25.450	264	394707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	282396	80.667	ng	0.01
7) Phenol-d6	7.477	99	399957	74.394	ng	0.00
23) Nitrobenzene-d5	9.510	82	224053	49.397	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	153877	69.753	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	660674	52.376	ng	0.00
79) Terphenyl-d14	20.256	244	1005947	49.140	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.516	70	27554	8.428	ng	# 74
51) 2,6-Dinitrotoluene	14.951	165	22756	7.595	ng	# 32
57) 2,4-Dinitrotoluene	14.951	165	22756	5.431	ng	# 29
63) Azobenzene	16.284	77	34498	3.390	ng	# 1
67) 4-Bromophenyl-phenylether	16.425	248	13544	2.642	ng	# 1
71) Phenanthrene	17.724	178	112474	5.392	ng	98
75) Fluoranthene	19.716	202	279830	10.284	ng	99
78) Pyrene	20.074	202	247554	9.579	ng	99
81) Benzo(a)anthracene	21.966	228	157887	6.131	ng	98
83) Chrysene	22.036	228	133403	5.530	ng	97
87) Indeno(1,2,3-cd)pyrene	29.428	276	90646	3.158	ng	# 91
88) Benzo(b)fluoranthene	24.340	252	184568	7.360	ng	95
89) Benzo(k)fluoranthene	24.340	252	184568	7.391	ng	96
90) Benzo(a)pyrene	25.280	252	134672	5.506	ng	99
92) Benzo(g,h,i)perylene	30.679	276	86401	3.702	ng	97

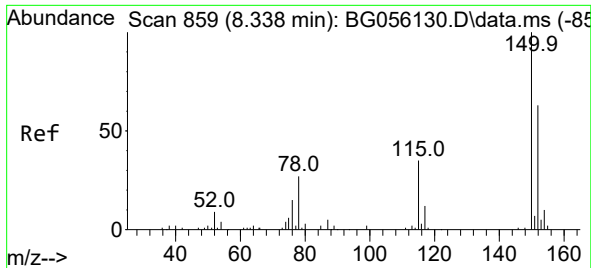
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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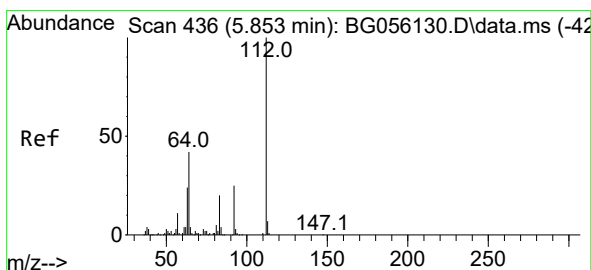
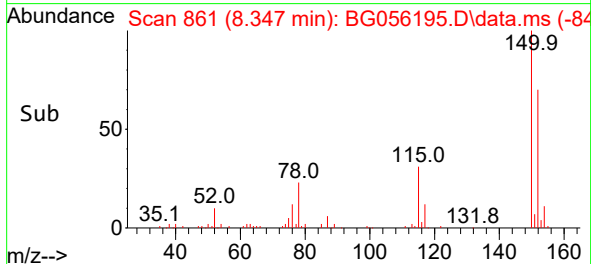
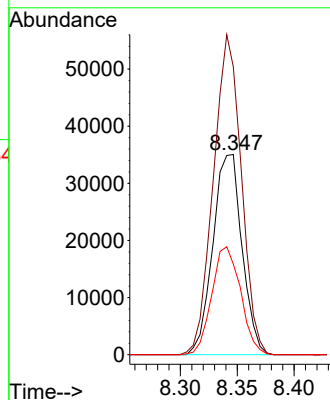
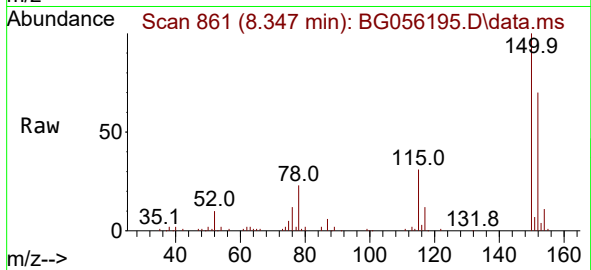




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.347 min Scan# 80
Delta R.T. 0.009 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

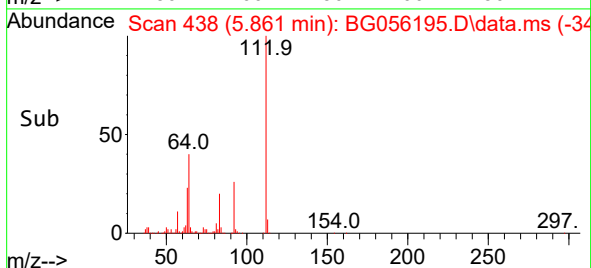
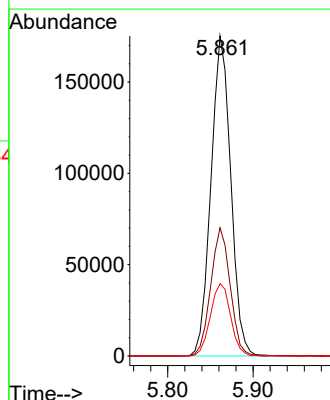
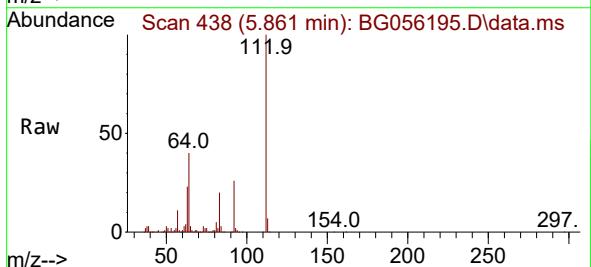
Instrument :
BNA_G
ClientSampleId :
PE-13

Tgt Ion:152 Resp: 62506
Ion Ratio Lower Upper
152 100
150 143.9 127.9 191.9
115 45.3 44.2 66.2



#5
2-Fluorophenol
Concen: 80.667 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.014 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion:112 Resp: 282396
Ion Ratio Lower Upper
112 100
64 40.0 33.3 49.9
63 22.6 19.0 28.4

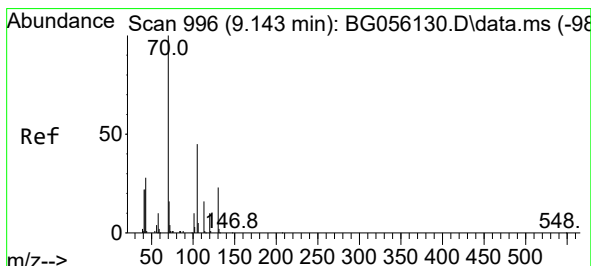
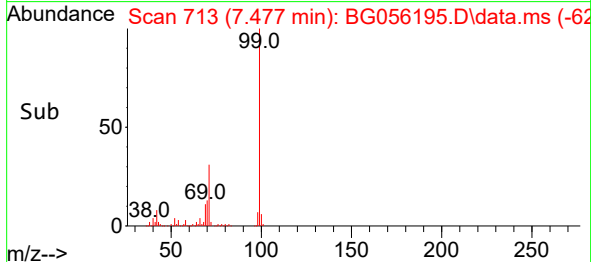
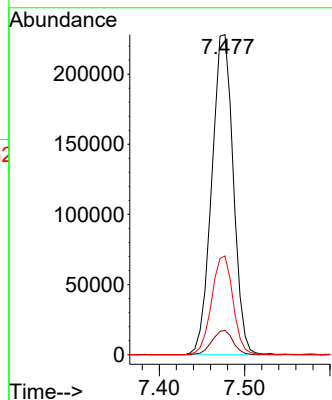
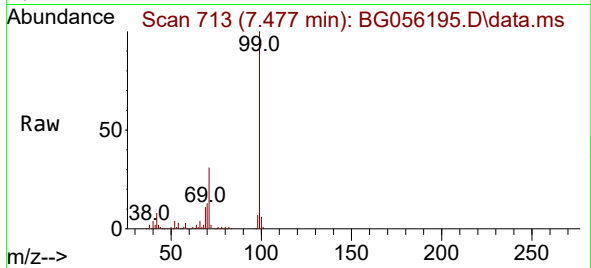




#7
Phenol-d6
Concen: 74.394 ng
RT: 7.477 min Scan# 711
Delta R.T. 0.008 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

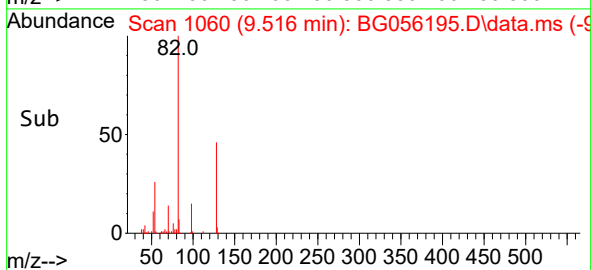
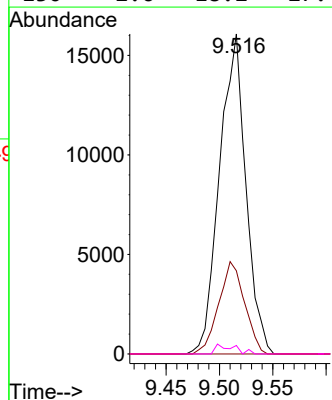
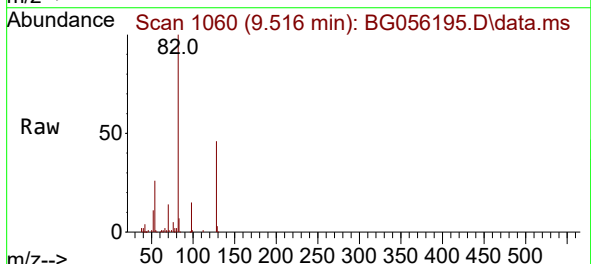
Instrument :
BNA_G
ClientSampleId :
PE-13

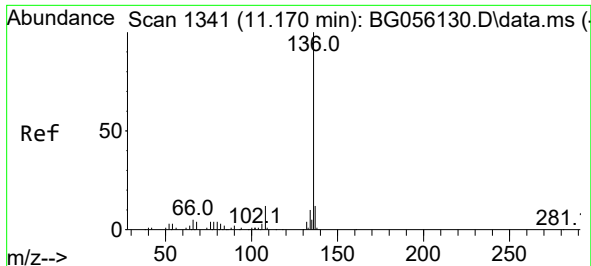
Tgt Ion: 99 Resp: 399957
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 30.9 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.428 ng
RT: 9.516 min Scan# 1060
Delta R.T. 0.379 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion: 70 Resp: 27554
Ion Ratio Lower Upper
70 100
42 27.2 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: 11.173 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

Tgt Ion:136 Resp: 232012

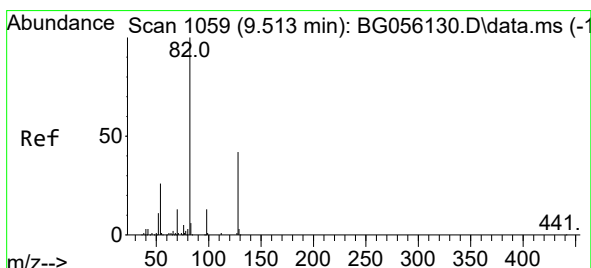
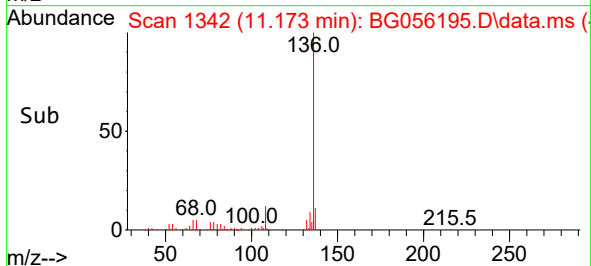
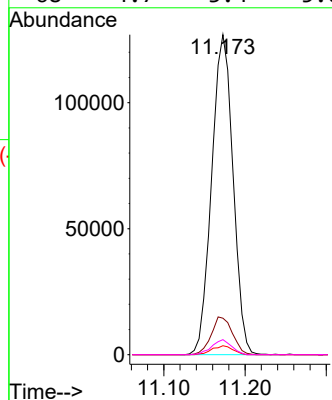
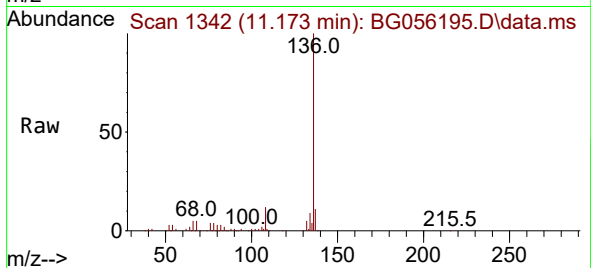
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 2.8 2.2 3.2

68 4.7 3.4 5.0



#23
Nitrobenzene-d5
Concen: 49.397 ng
RT: 9.510 min Scan# 1059
Delta R.T. 0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

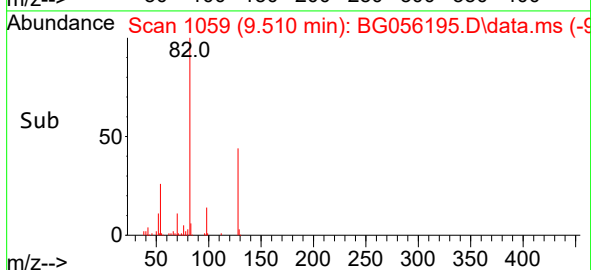
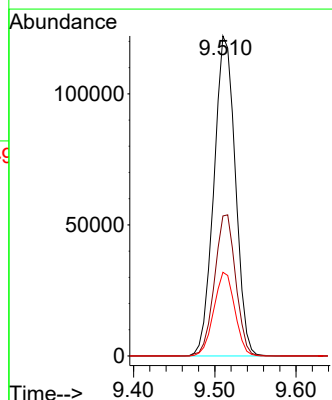
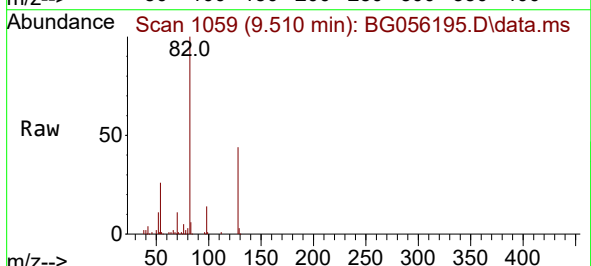
Tgt Ion: 82 Resp: 224053

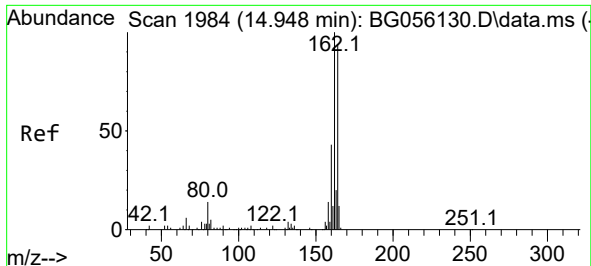
Ion Ratio Lower Upper

82 100

128 43.8 33.4 50.2

54 26.2 20.3 30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

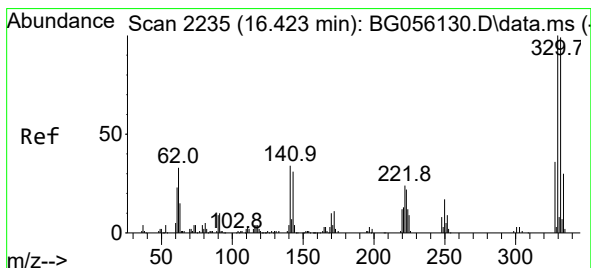
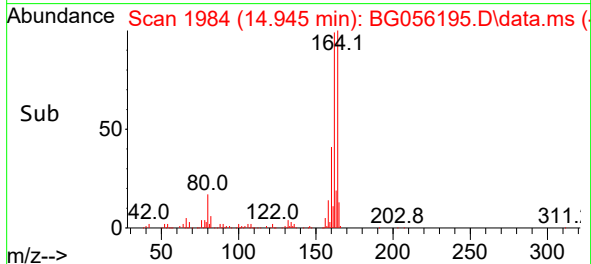
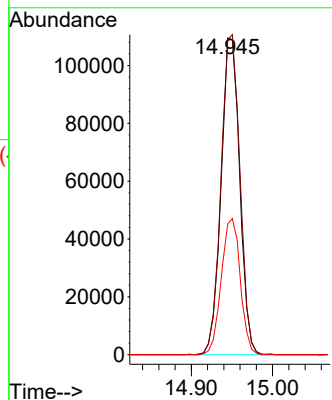
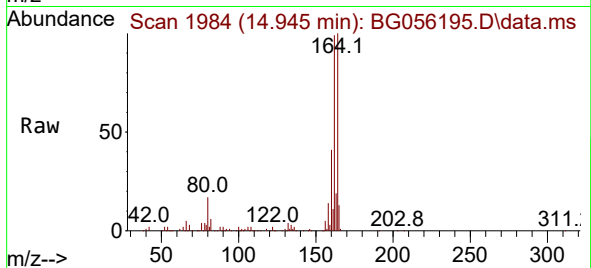
Tgt Ion:164 Resp: 174186

Ion Ratio Lower Upper

164 100

162 99.4 84.7 127.1

160 41.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 69.753 ng

RT: 16.425 min Scan# 2236

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

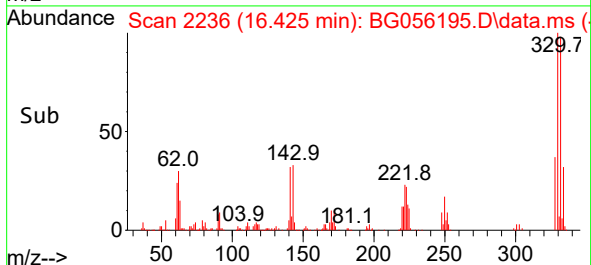
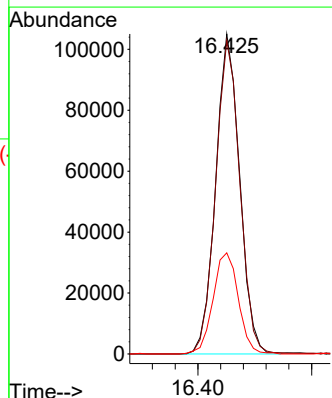
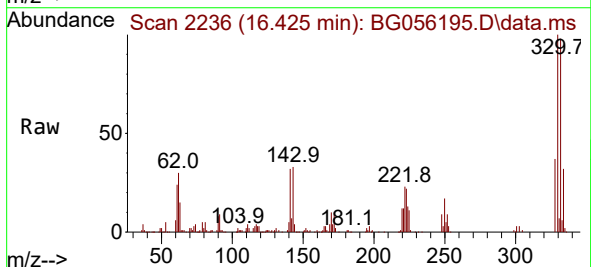
Tgt Ion:330 Resp: 153877

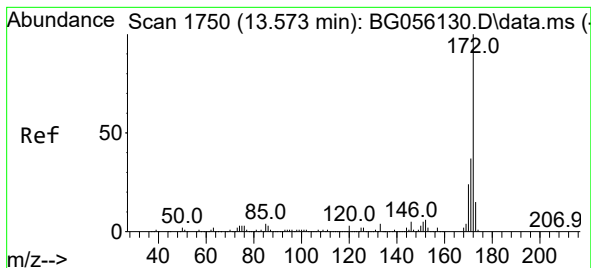
Ion Ratio Lower Upper

330 100

332 98.8 77.3 115.9

141 33.3 27.9 41.9

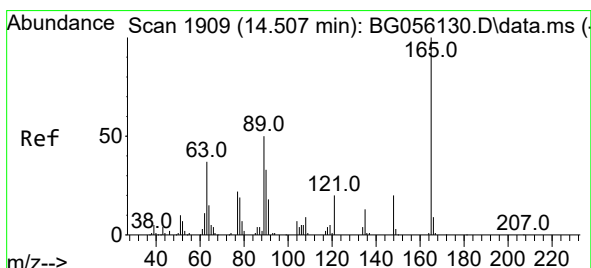
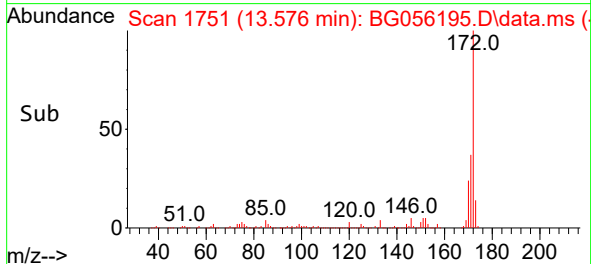
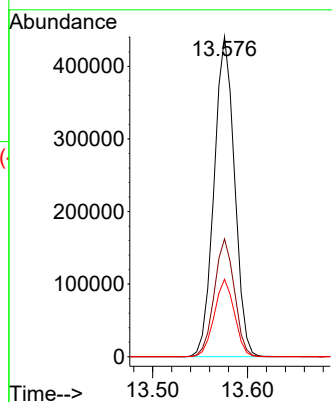
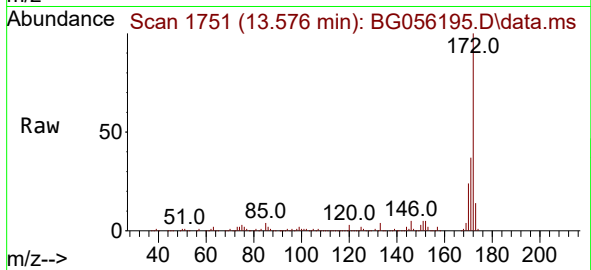




#45
2-Fluorobiphenyl
Concen: 52.376 ng
RT: 13.576 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

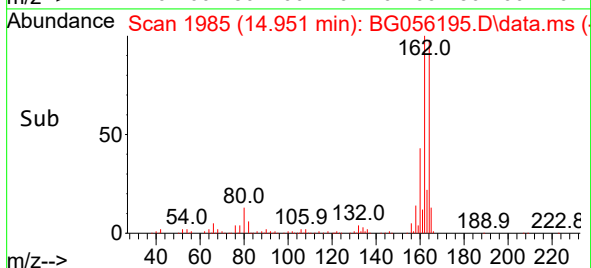
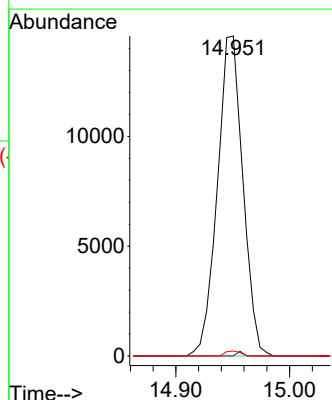
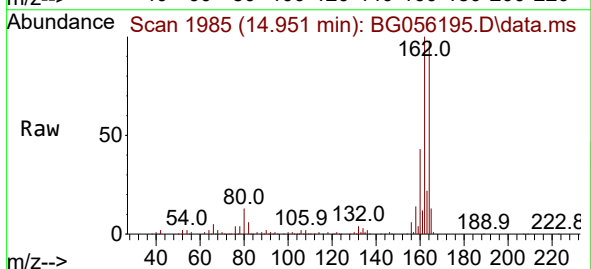
Instrument :
BNA_G
ClientSampleId :
PE-13

Tgt Ion:172 Resp: 660674
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 24.2 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.595 ng
RT: 14.951 min Scan# 1985
Delta R.T. 0.437 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

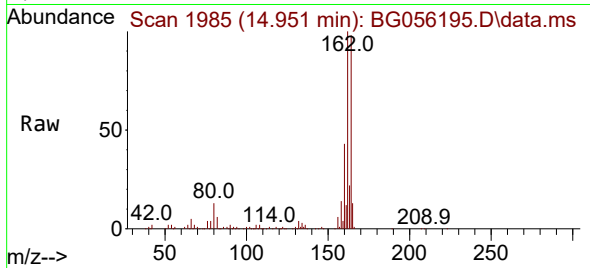
Tgt Ion:165 Resp: 22756
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.6 39.8 59.8#



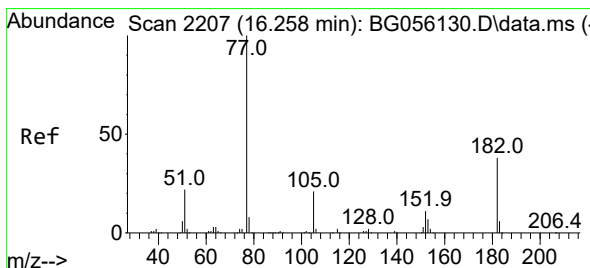
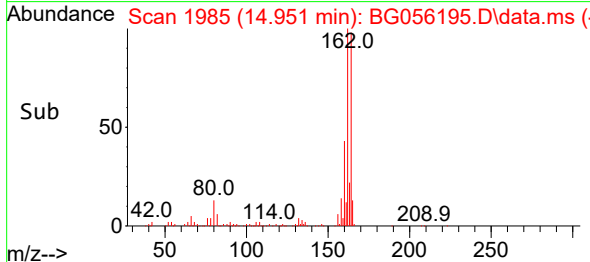
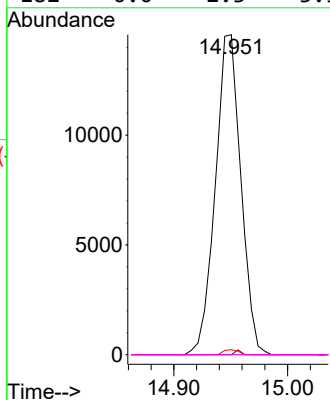


#57
2,4-Dinitrotoluene
Concen: 5.431 ng
RT: 14.951 min Scan# 1985
Delta R.T. -0.344 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Instrument :
BNA_G
ClientSampleId :
PE-13

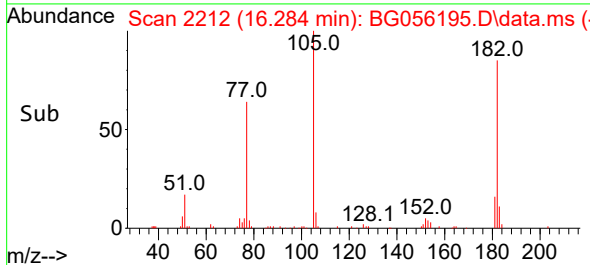
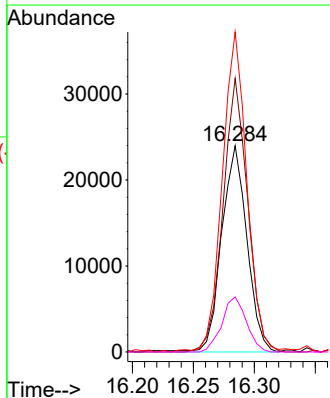
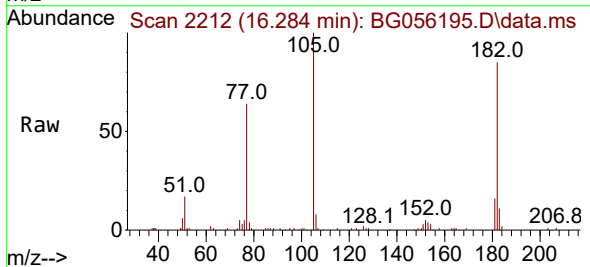


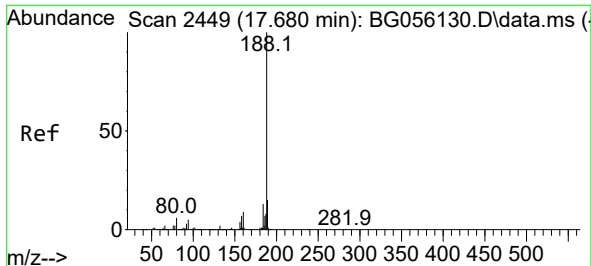
Tgt Ion:165 Resp: 22756
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.6 53.2 79.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 3.390 ng
RT: 16.284 min Scan# 2212
Delta R.T. 0.020 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion: 77 Resp: 34498
Ion Ratio Lower Upper
77 100
182 132.6 18.5 58.5#
105 155.1 1.4 41.4#
51 26.7 1.5 41.5

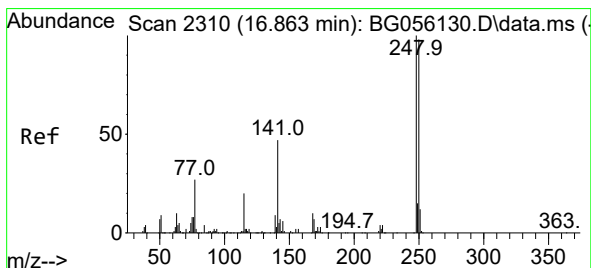
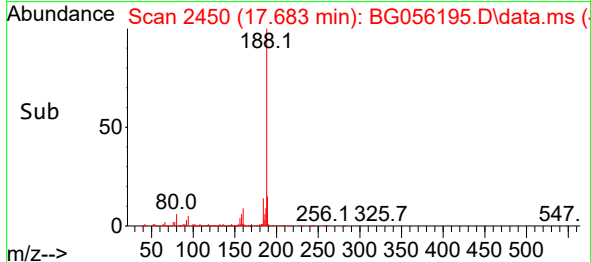
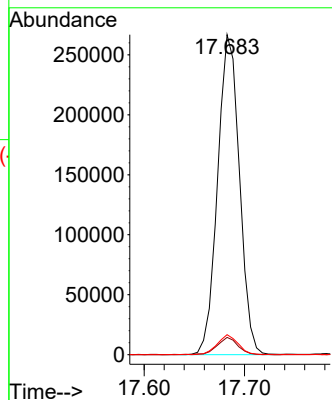
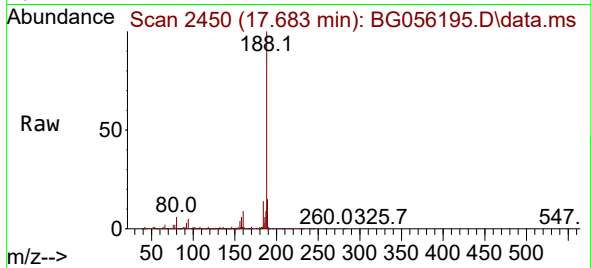




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.683 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

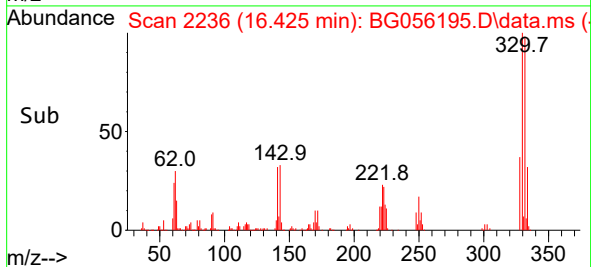
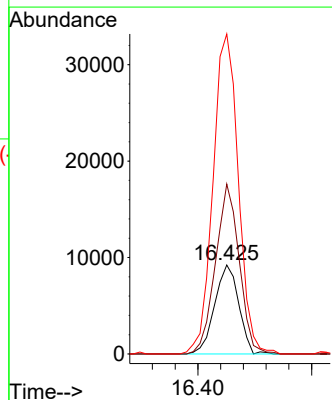
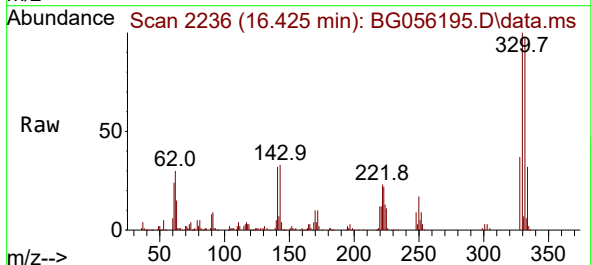
Instrument :
BNA_G
ClientSampleId :
PE-13

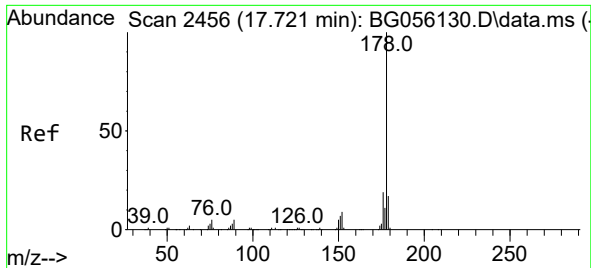
Tgt Ion:188 Resp: 402541
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 6.3 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 2.642 ng
RT: 16.425 min Scan# 2236
Delta R.T. -0.438 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion:248 Resp: 13544
Ion Ratio Lower Upper
248 100
250 191.0 78.2 117.4#
141 359.7 37.6 56.4#

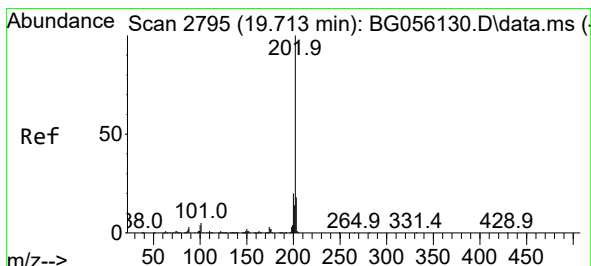
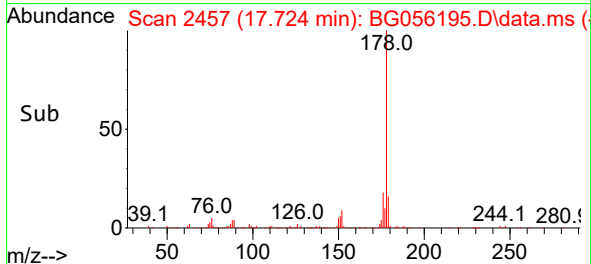
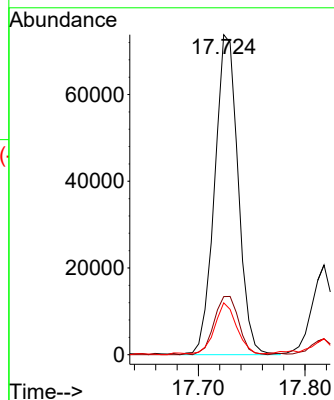
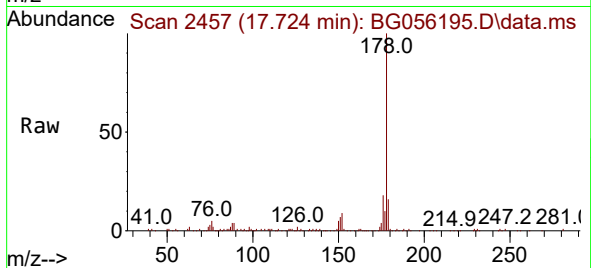




#71
Phenanthrene
Concen: 5.392 ng
RT: 17.724 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

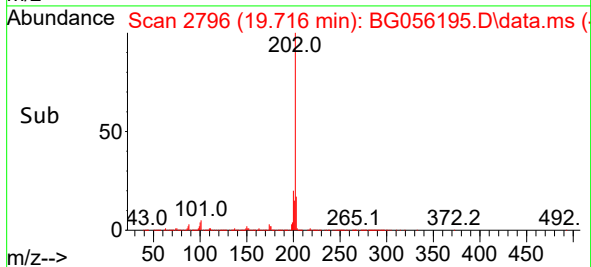
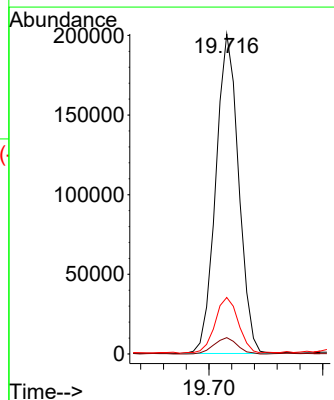
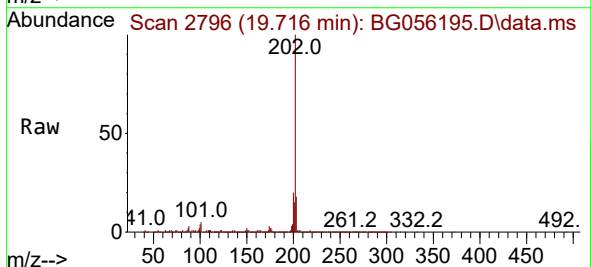
Instrument :
BNA_G
ClientSampleId :
PE-13

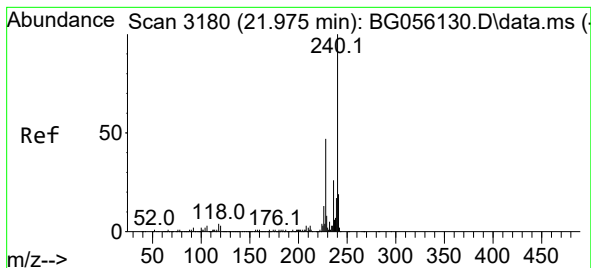
Tgt Ion:178 Resp: 112474
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 16.2 13.6 20.4



#75
Fluoranthene
Concen: 10.284 ng
RT: 19.716 min Scan# 2796
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion:202 Resp: 279830
Ion Ratio Lower Upper
202 100
101 5.1 0.0 25.0
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.983 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

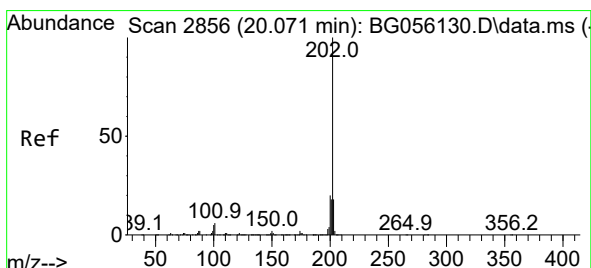
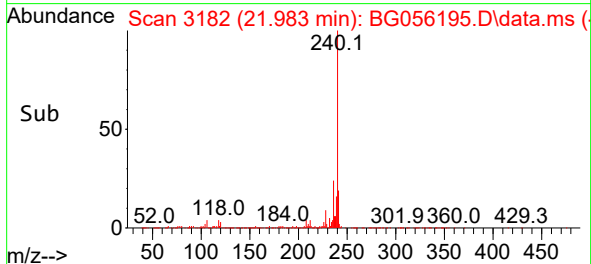
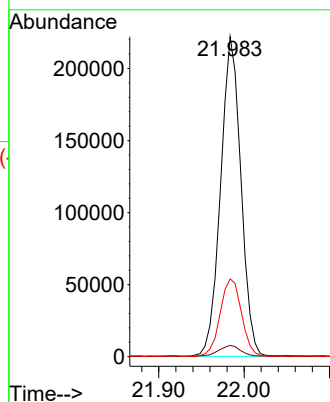
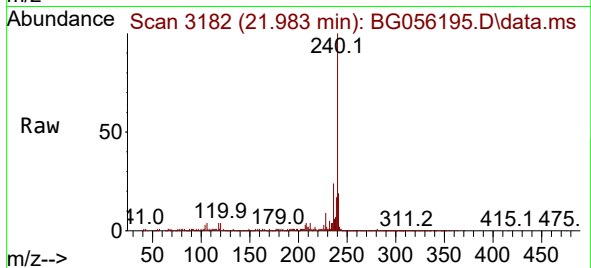
Tgt Ion:240 Resp: 366650

Ion Ratio Lower Upper

240 100

120 3.6 2.6 4.0

236 24.3 20.8 31.2



#78

Pyrene

Concen: 9.579 ng

RT: 20.074 min Scan# 2857

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

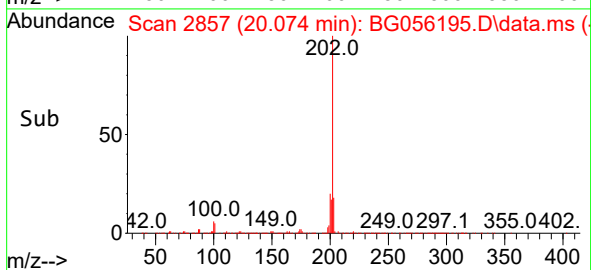
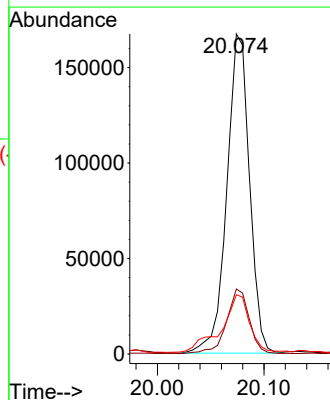
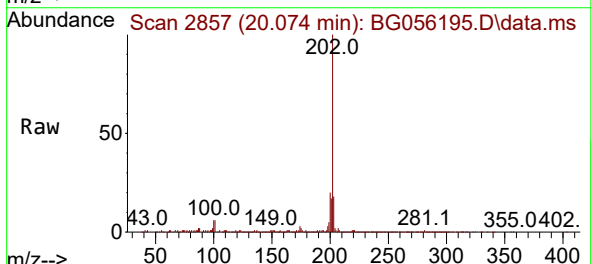
Tgt Ion:202 Resp: 247554

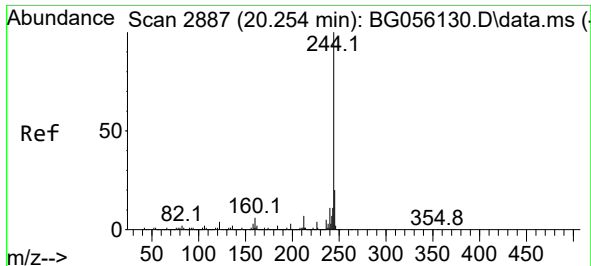
Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

203 18.5 14.3 21.5





#79

Terphenyl-d14

Concen: 49.140 ng

RT: 20.256 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

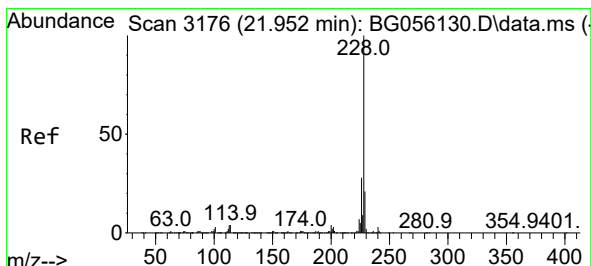
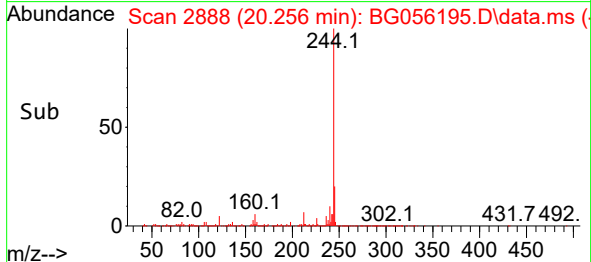
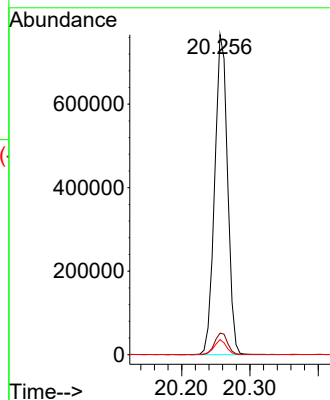
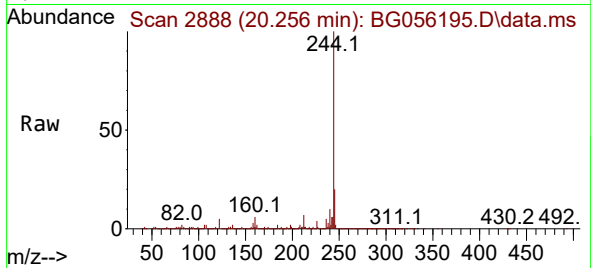
Tgt Ion:244 Resp: 1005947

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 4.7 3.5 5.3



#81

Benzo(a)anthracene

Concen: 6.131 ng

RT: 21.966 min Scan# 3179

Delta R.T. 0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

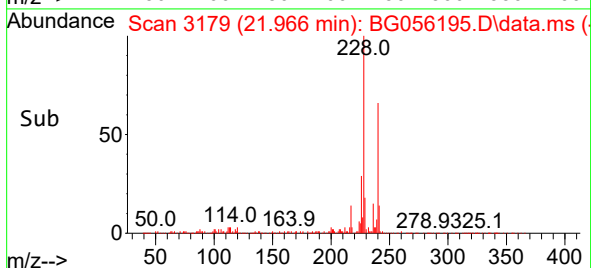
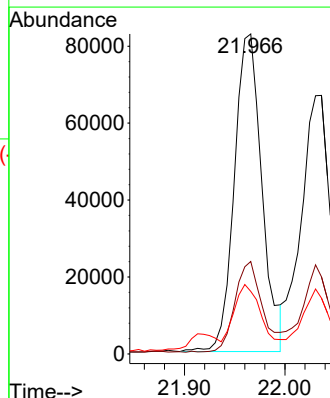
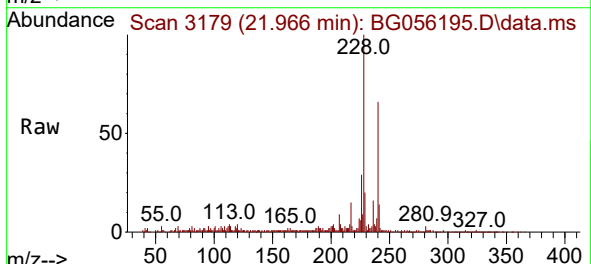
Tgt Ion:228 Resp: 157887

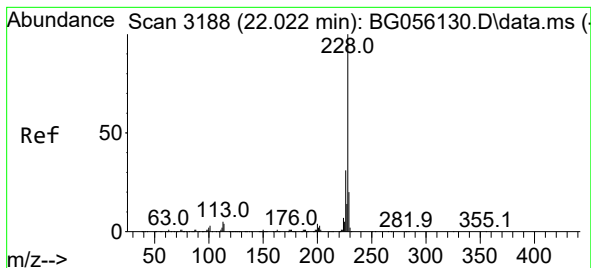
Ion Ratio Lower Upper

228 100

226 28.9 22.6 34.0

229 19.5 16.9 25.3





#83

Chrysene

Concen: 5.530 ng

RT: 22.036 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

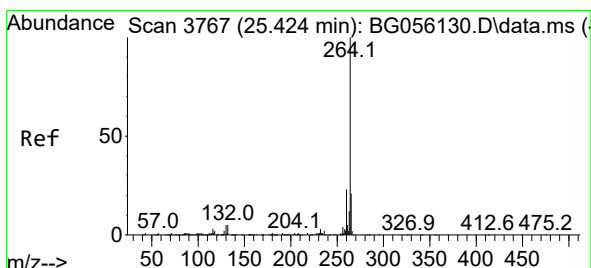
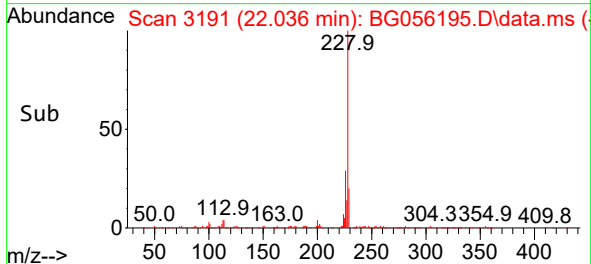
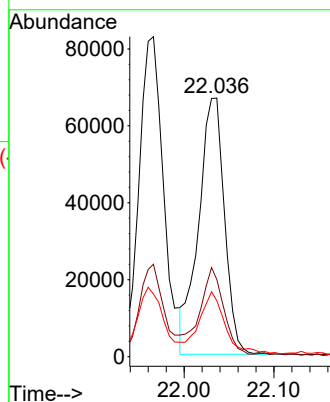
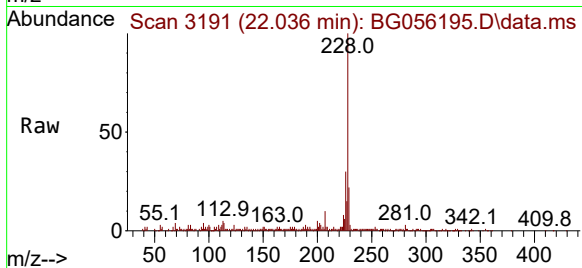
Tgt Ion:228 Resp: 133403

Ion Ratio Lower Upper

228 100

226 29.8 24.6 36.8

229 21.6 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.450 min Scan# 3772

Delta R.T. 0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

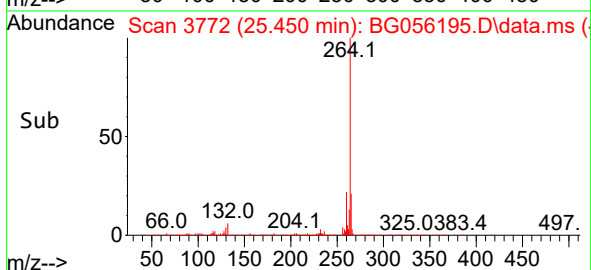
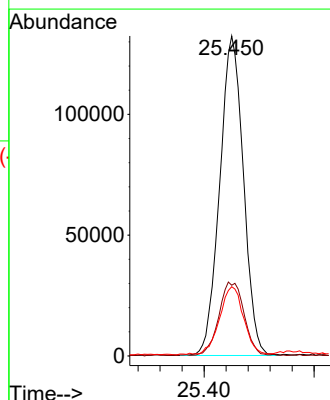
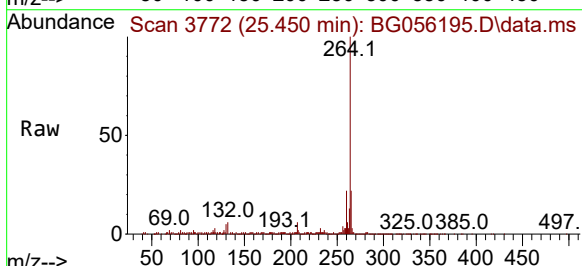
Tgt Ion:264 Resp: 394707

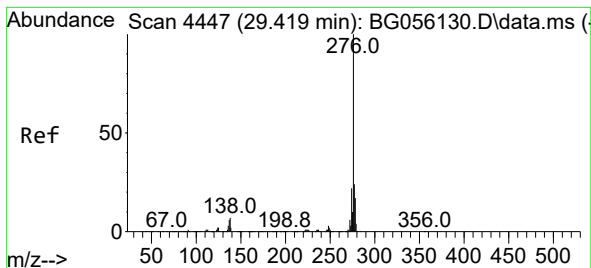
Ion Ratio Lower Upper

264 100

260 22.1 18.6 28.0

265 21.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.158 ng

RT: 29.428 min Scan# 4449

Delta R.T. -0.009 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

PE-13

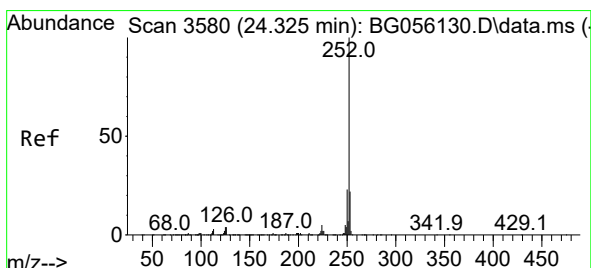
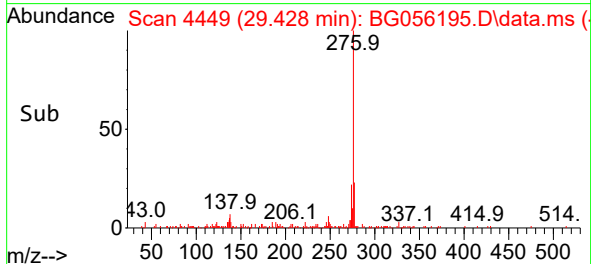
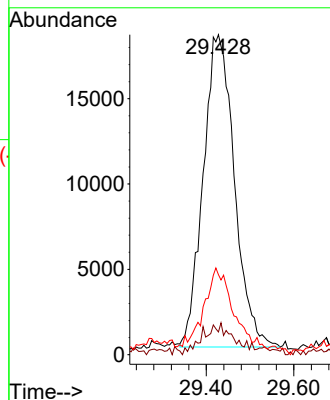
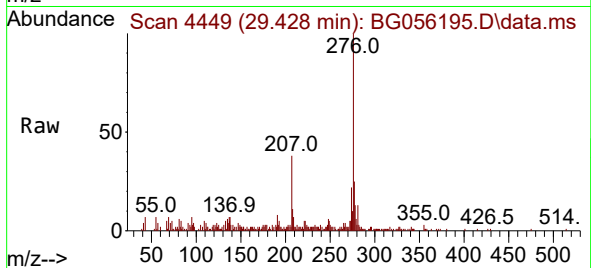
Tgt Ion:276 Resp: 90646

Ion Ratio Lower Upper

276 100

138 0.5 5.0 7.4#

277 22.1 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 7.360 ng

RT: 24.340 min Scan# 3583

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

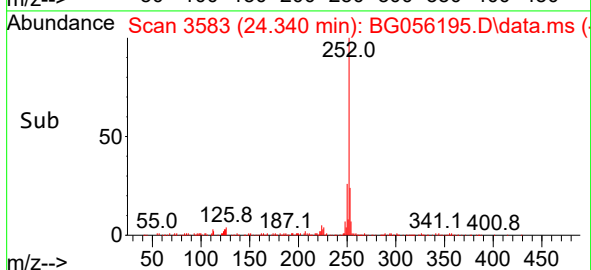
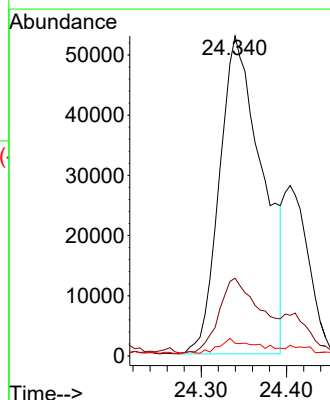
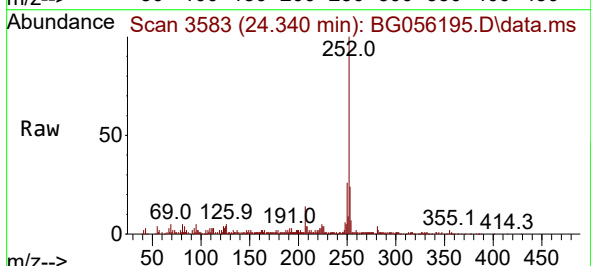
Tgt Ion:252 Resp: 184568

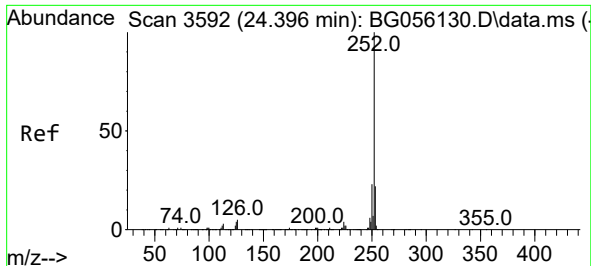
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 4.0 3.0 4.4

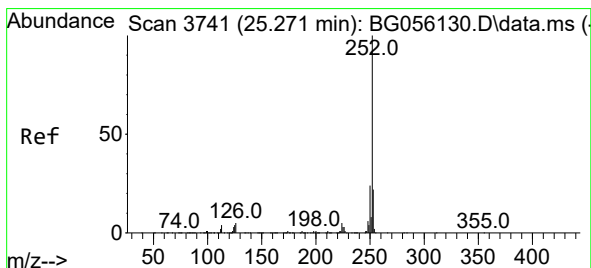
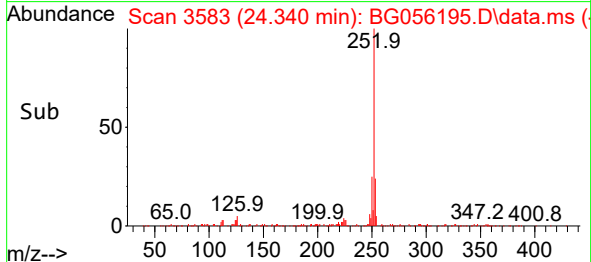
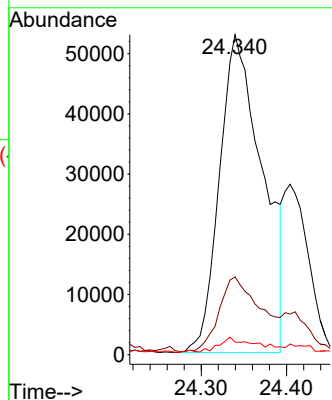
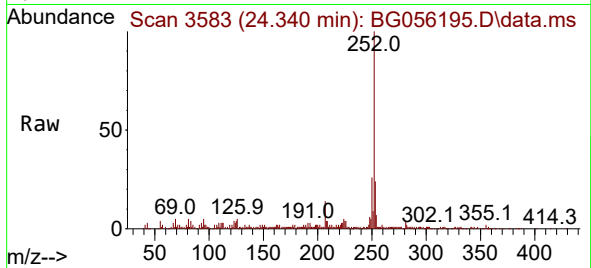




#89
Benzo(k)fluoranthene
Concen: 7.391 ng
RT: 24.340 min Scan# 31
Delta R.T. -0.074 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

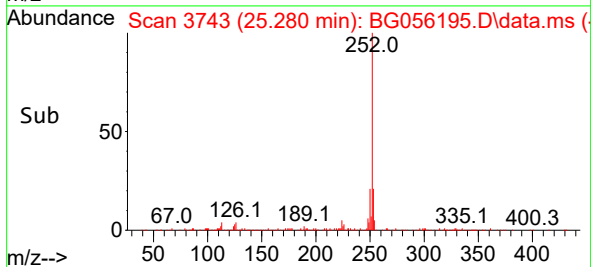
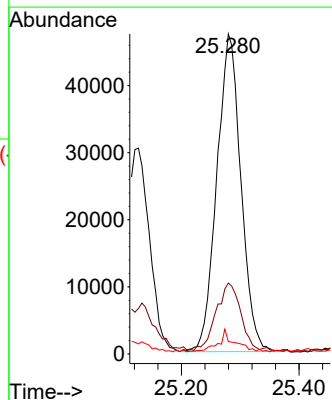
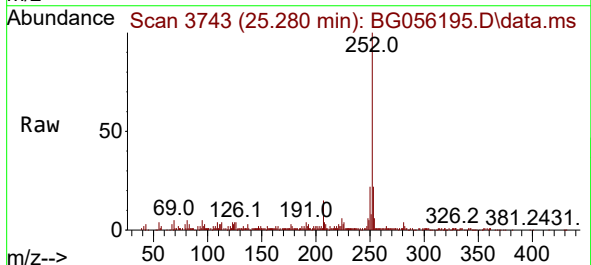
Instrument :
BNA_G
ClientSampleId :
PE-13

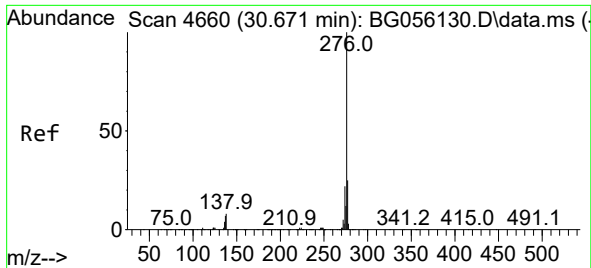
Tgt Ion:252 Resp: 184568
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 4.0 3.4 5.0



#90
Benzo(a)pyrene
Concen: 5.506 ng
RT: 25.280 min Scan# 3743
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion:252 Resp: 134672
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 3.9 3.2 4.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.702 ng
 RT: 30.679 min Scan# 4
 Delta R.T. -0.009 min
 Lab File: BG056195.D
 Acq: 3 Jan 2023 21:07

Instrument :
 BNA_G
 ClientSampleId :
 PE-13

Tgt Ion:276 Resp: 86401
 Ion Ratio Lower Upper
 276 100
 277 23.1 19.7 29.5
 138 7.2 6.7 10.1

