

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055895.D
 Acq On : 5 Dec 2022 21:55
 Operator : CG/JU
 Sample : N5868-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-0

Quant Time: Dec 06 04:49:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 04:41:17 2022
 Response via : Initial Calibration

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

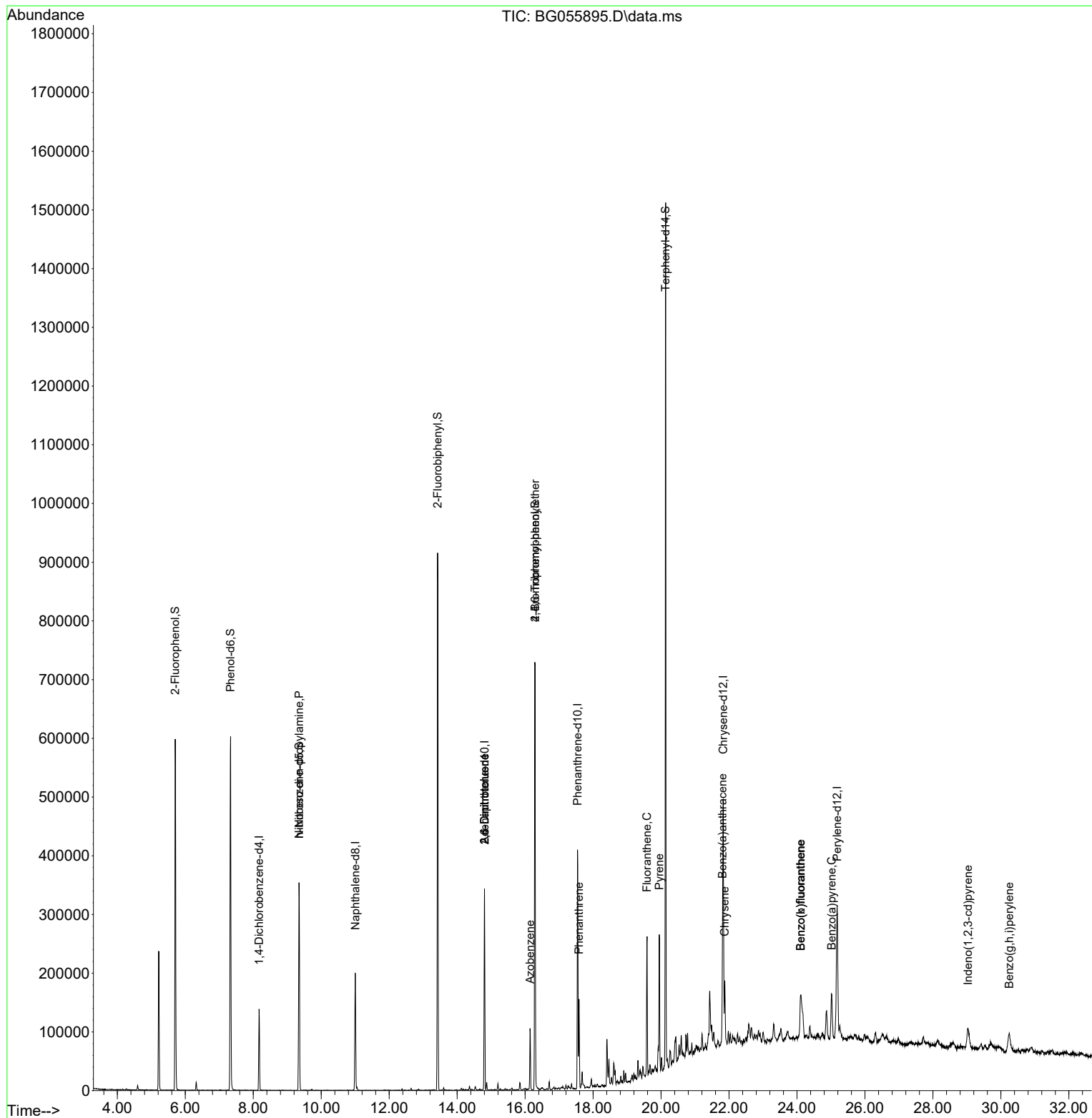
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.171	152	38117	20.000	ng	0.00
21) Naphthalene-d8	11.003	136	170261	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	120784	20.000	ng	0.00
64) Phenanthrene-d10	17.542	188	260649	20.000	ng	0.00
76) Chrysene-d12	21.825	240	242061	20.000	ng	-0.01
86) Perylene-d12	25.180	264	251990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	250042	118.571	ng	0.00
7) Phenol-d6	7.330	99	330851	117.860	ng	0.00
23) Nitrobenzene-d5	9.346	82	205720	63.862	ng	0.00
42) 2,4,6-Tribromophenol	16.290	330	151361	88.994	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	476824	59.142	ng	0.00
79) Terphenyl-d14	20.133	244	706020	58.338	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.346	70	27617	12.804	ng	# 82
51) 2,6-Dinitrotoluene	14.804	165	15578	7.913	ng	# 27
57) 2,4-Dinitrotoluene	14.804	165	15578	5.612	ng	# 25
63) Azobenzene	16.144	77	29654	3.489	ng	# 1
67) 4-Bromophenyl-phenylether	16.290	248	10004	3.369	ng	# 1
71) Phenanthrene	17.583	178	93373	6.638	ng	97
75) Fluoranthene	19.587	202	148284	8.666	ng	98
78) Pyrene	19.945	202	151477	9.245	ng	99
81) Benzo(a)anthracene	21.808	228	78917	4.733	ng	98
83) Chrysene	21.872	228	77890	4.907	ng	99
87) Indeno(1,2,3-cd)pyrene	29.028	276	54950	2.662	ng	# 64
88) Benzo(b)fluoranthene	24.105	252	107833	6.571	ng	97
89) Benzo(k)fluoranthene	24.105	252	107833	6.592	ng	96
90) Benzo(a)pyrene	25.021	252	83093	5.900	ng	97
92) Benzo(g,h,i)perylene	30.245	276	67873	3.992	ng	98

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

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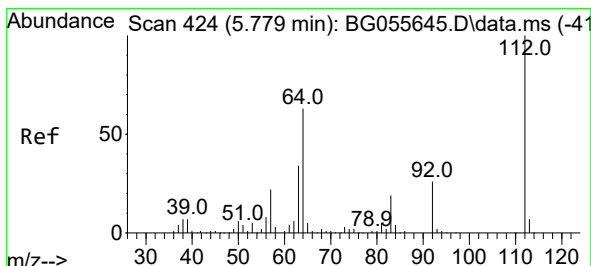
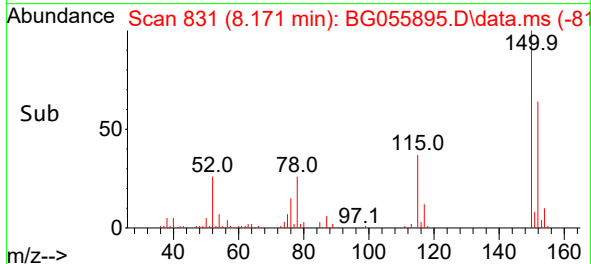
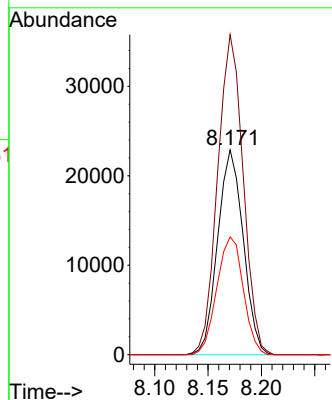
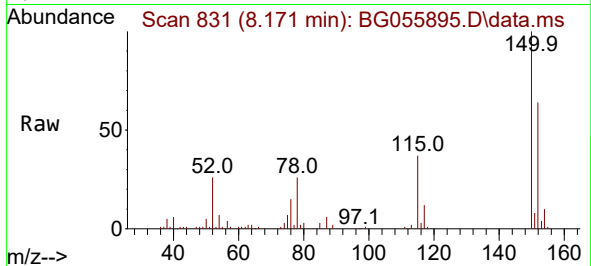




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.171 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

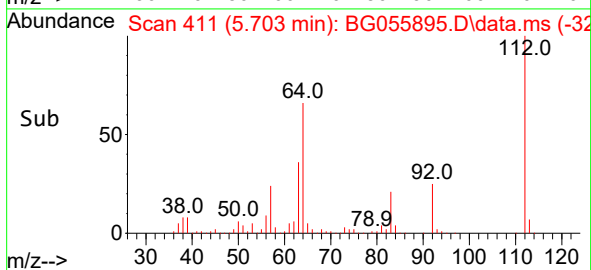
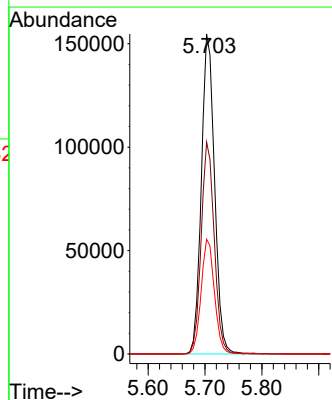
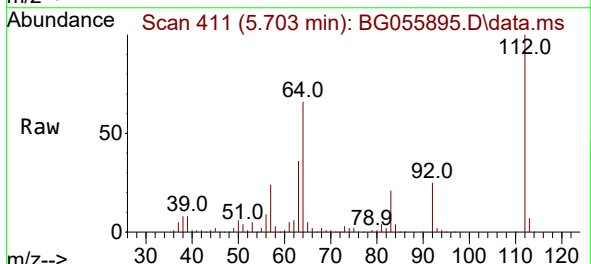
Instrument :
BNA_G
ClientSampleId :
TP-0

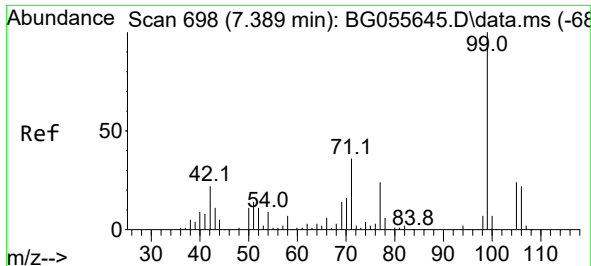
Tgt Ion:152 Resp: 38117
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 57.5 47.0 70.4



#5
2-Fluorophenol
Concen: 118.571 ng
RT: 5.703 min Scan# 411
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:112 Resp: 250042
Ion Ratio Lower Upper
112 100
64 66.3 50.6 76.0
63 35.9 27.5 41.3

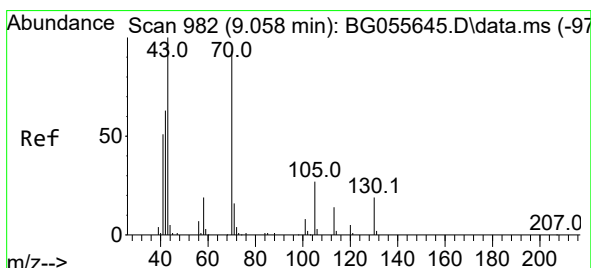
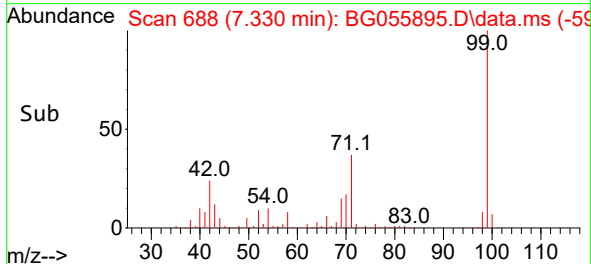
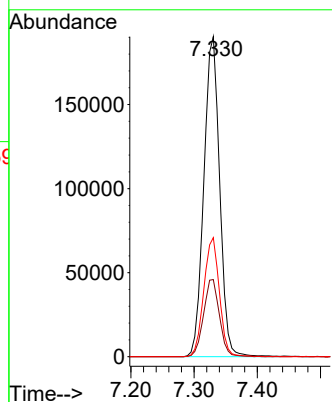
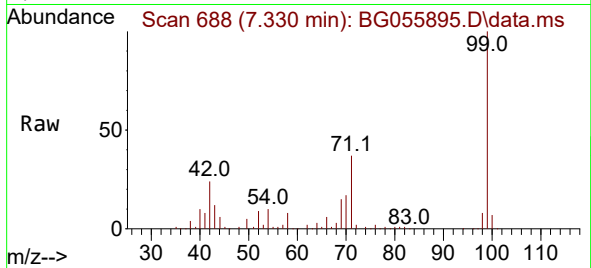




#7
Phenol-d6
Concen: 117.860 ng
RT: 7.330 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

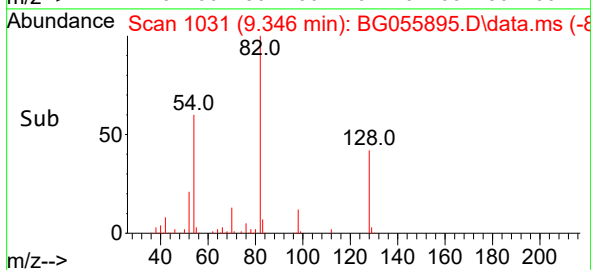
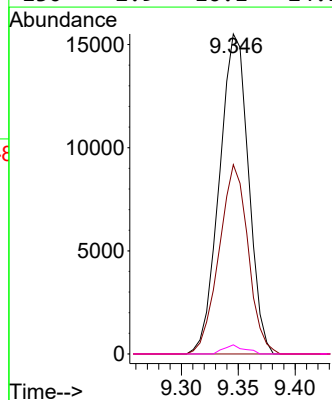
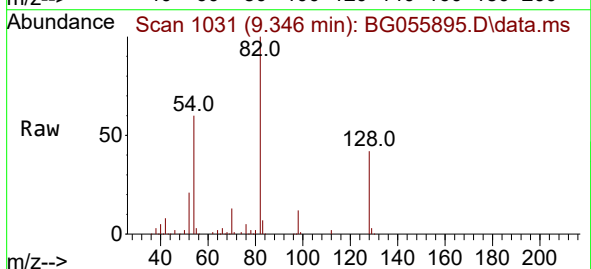
Instrument :
BNA_G
ClientSampleId :
TP-0

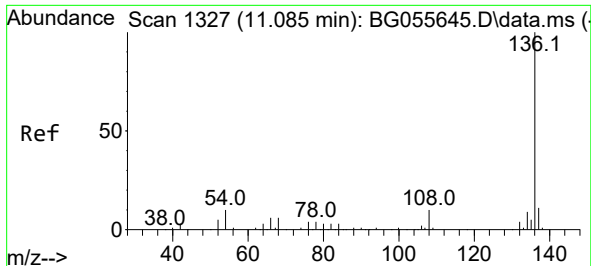
Tgt Ion: 99 Resp: 330851
Ion Ratio Lower Upper
99 100
42 24.1 18.0 27.0
71 37.2 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.804 ng
RT: 9.346 min Scan# 1031
Delta R.T. 0.365 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion: 70 Resp: 27617
Ion Ratio Lower Upper
70 100
42 59.1 55.2 82.8
101 0.0 7.1 10.7#
130 2.9 16.1 24.1#

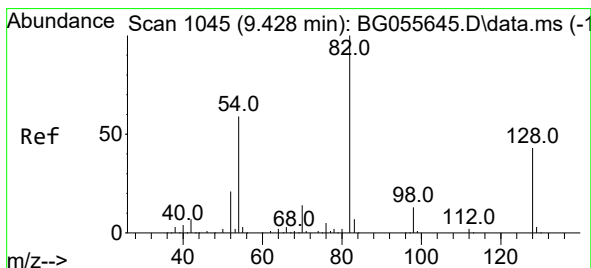
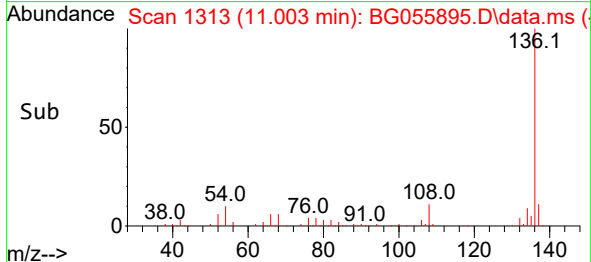
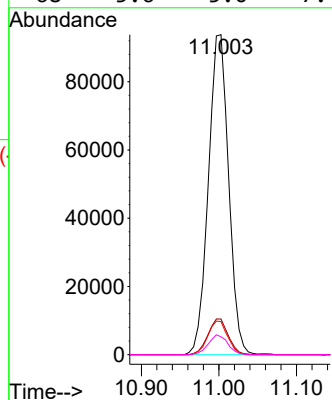
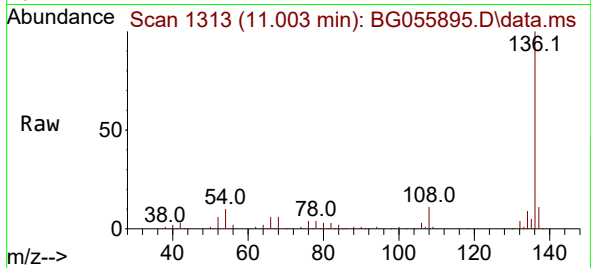




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.003 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

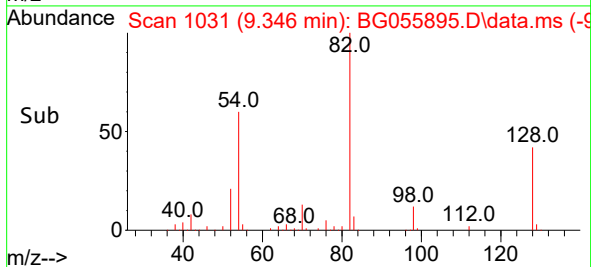
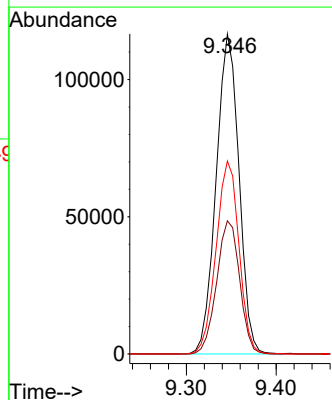
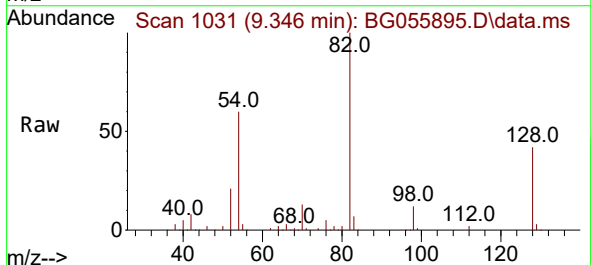
Instrument :
BNA_G
ClientSampleId :
TP-0

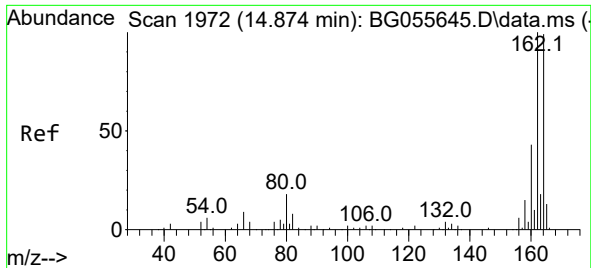
Tgt Ion:136 Resp: 170261
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.3 7.8 11.6
68 5.6 5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.862 ng
RT: 9.346 min Scan# 1031
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion: 82 Resp: 205720
Ion Ratio Lower Upper
82 100
128 41.6 34.1 51.1
54 60.3 47.3 70.9

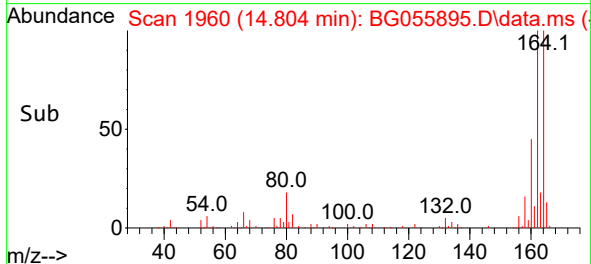
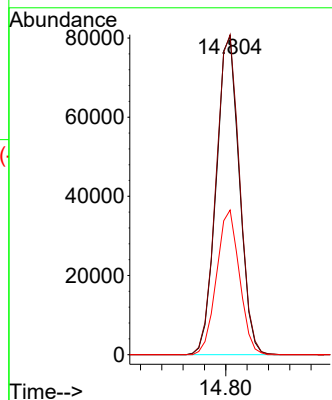
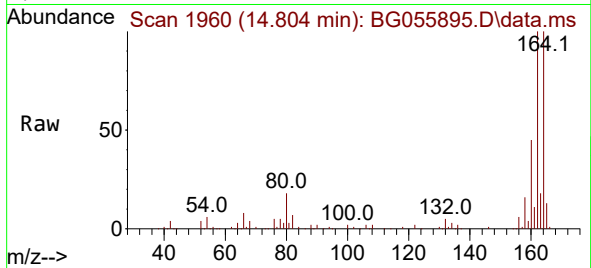




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

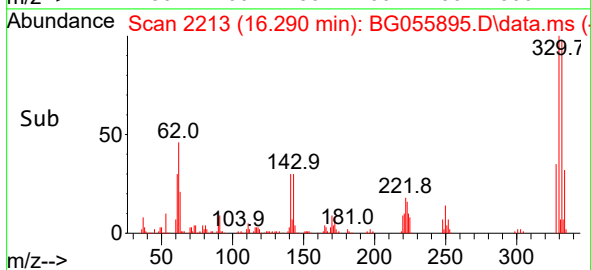
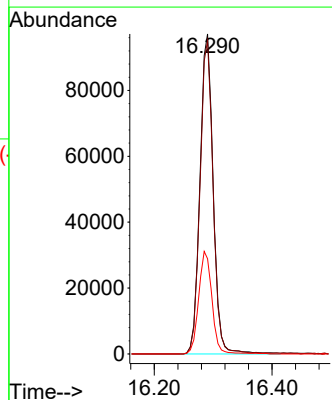
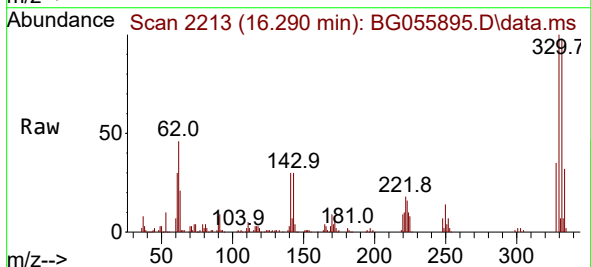
Instrument :
BNA_G
ClientSampleId :
TP-0

Tgt Ion:164 Resp: 120784
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 45.4 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 88.994 ng
RT: 16.290 min Scan# 2213
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:330 Resp: 151361
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 32.3 23.9 35.9

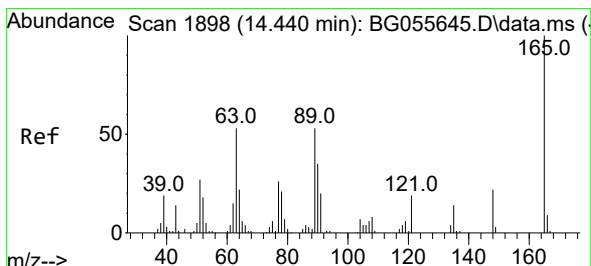
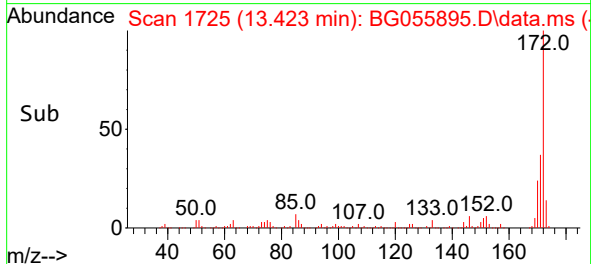
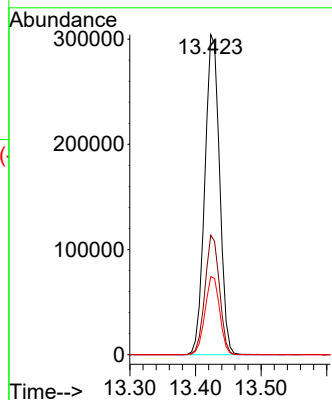
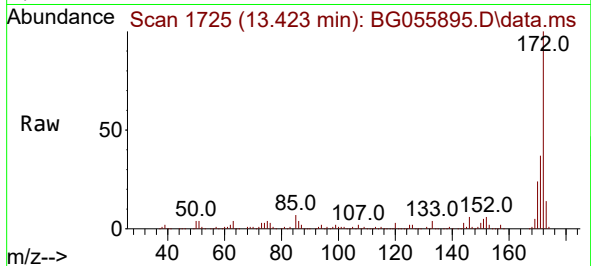




#45
2-Fluorobiphenyl
Concen: 59.142 ng
RT: 13.423 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

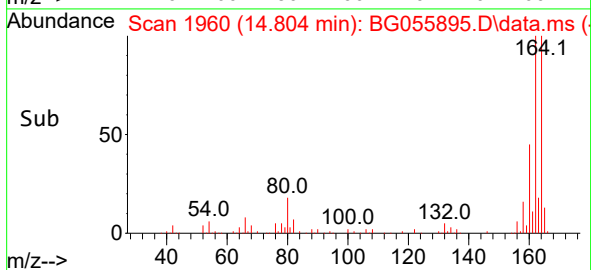
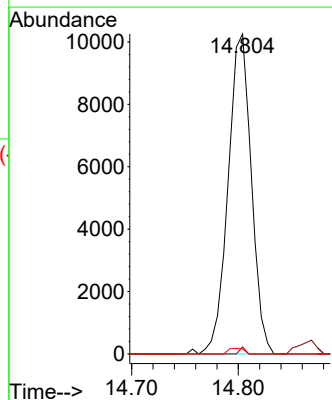
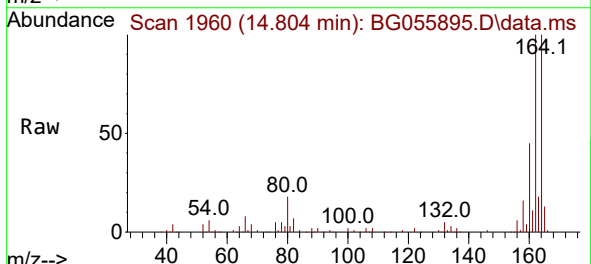
Instrument :
BNA_G
ClientSampleId :
TP-0

Tgt Ion:172 Resp: 476824
Ion Ratio Lower Upper
172 100
171 37.4 29.8 44.6
170 24.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.913 ng
RT: 14.804 min Scan# 1960
Delta R.T. 0.424 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:165 Resp: 15578
Ion Ratio Lower Upper
165 100
63 2.2 44.6 66.8#
89 1.6 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.612 ng

RT: 14.804 min Scan# 1960

Delta R.T. -0.363 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

TP-0

Tgt Ion:165 Resp: 15578

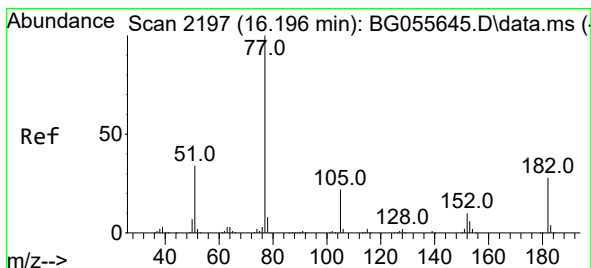
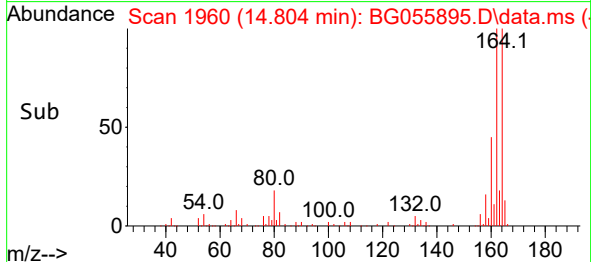
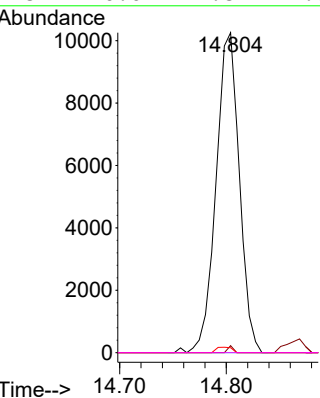
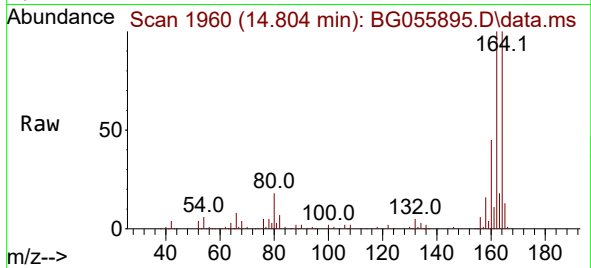
Ion Ratio Lower Upper

165 100

63 2.2 35.8 53.8#

89 1.6 56.2 84.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 3.489 ng

RT: 16.144 min Scan# 2188

Delta R.T. 0.019 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Tgt Ion: 77 Resp: 29654

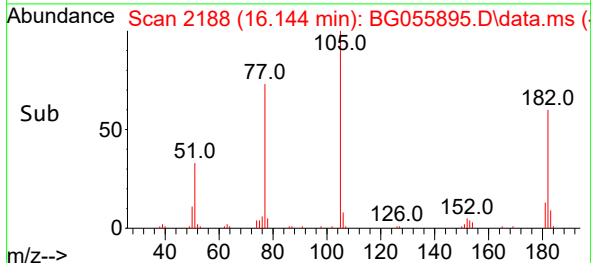
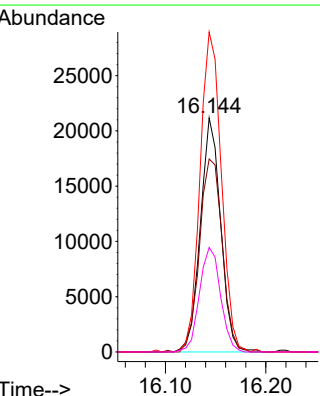
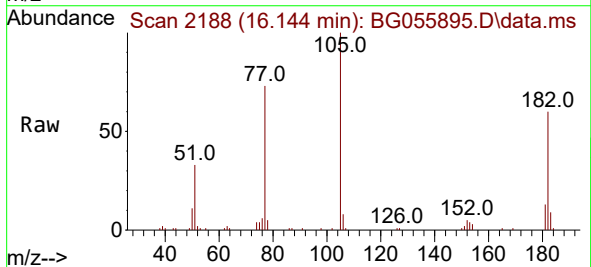
Ion Ratio Lower Upper

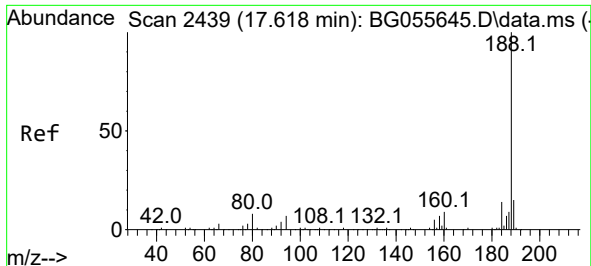
77 100

182 82.4 8.1 48.1#

105 136.7 1.8 41.8#

51 44.6 14.3 54.3

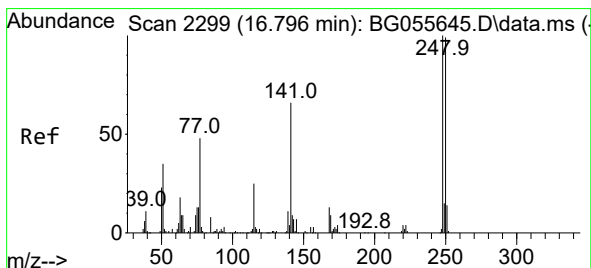
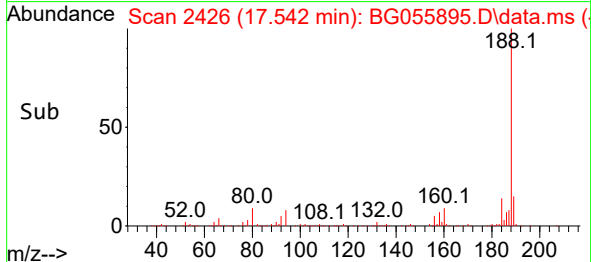
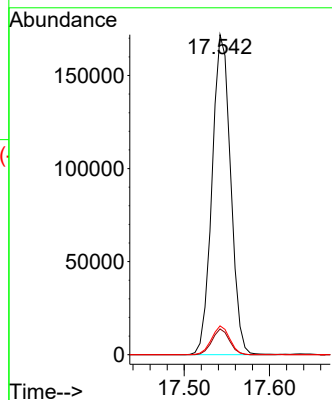
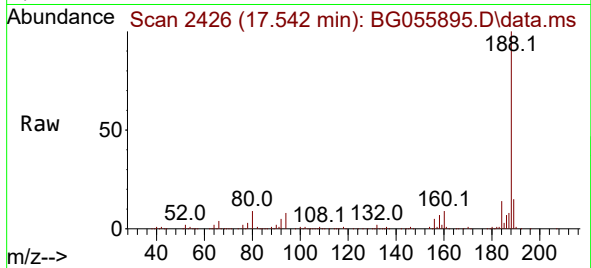




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.542 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

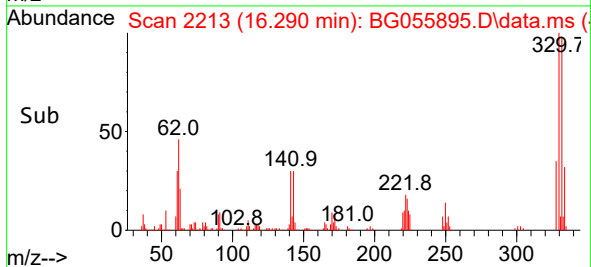
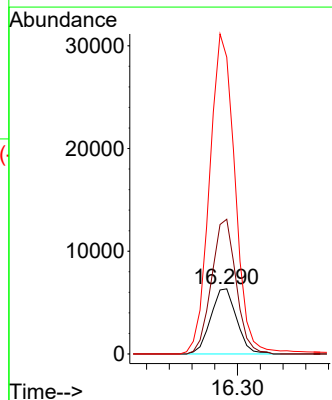
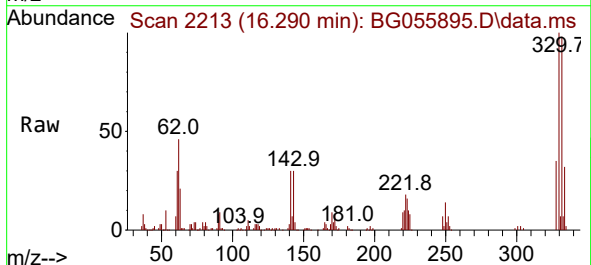
Instrument :
BNA_G
ClientSampleId :
TP-0

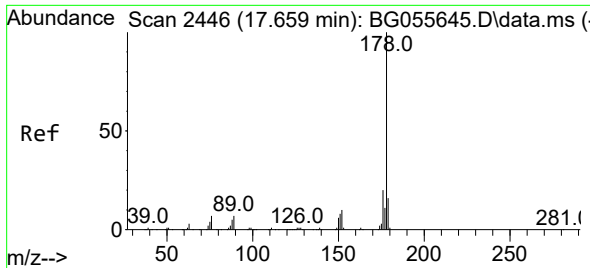
Tgt Ion:188 Resp: 260649
Ion Ratio Lower Upper
188 100
94 8.1 5.4 8.2
80 9.0 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.369 ng
RT: 16.290 min Scan# 2213
Delta R.T. -0.440 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:248 Resp: 10004
Ion Ratio Lower Upper
248 100
250 207.0 79.0 118.4#
141 456.1 52.9 79.3#

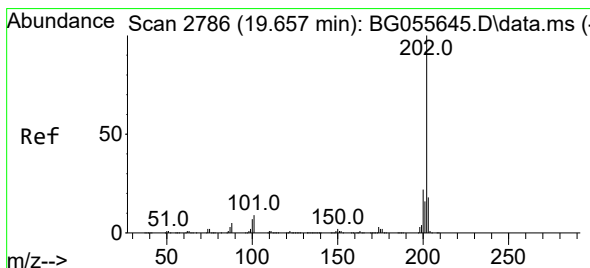
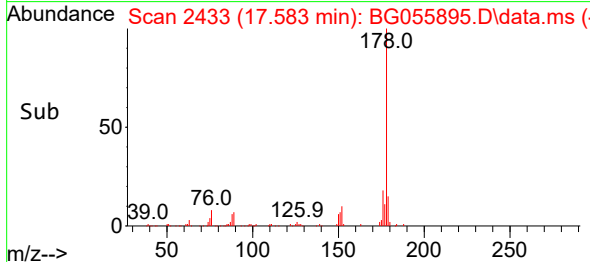
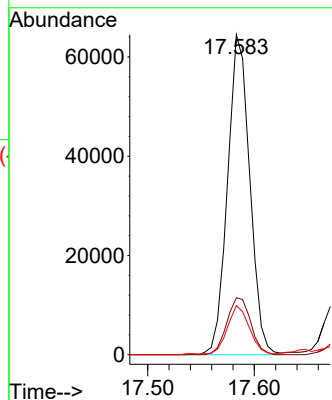
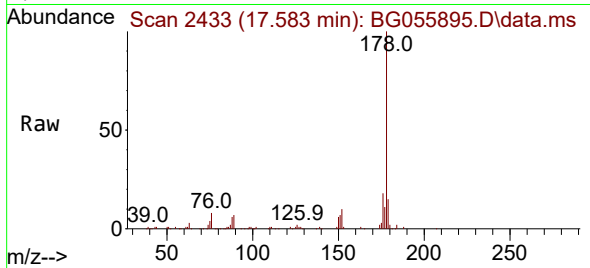




#71
Phenanthrene
Concen: 6.638 ng
RT: 17.583 min Scan# 2446
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

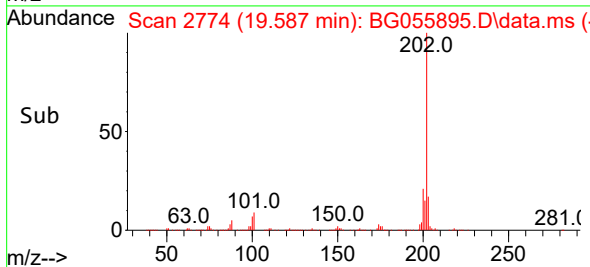
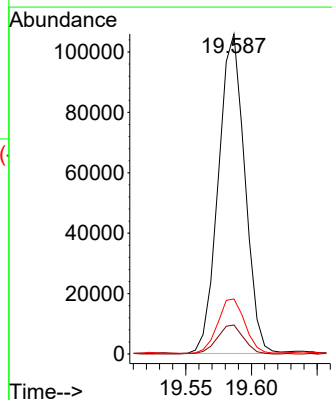
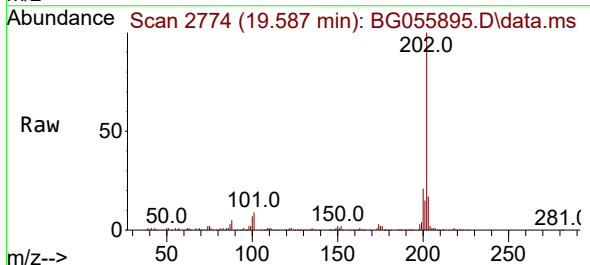
Instrument :
BNA_G
ClientSampleId :
TP-0

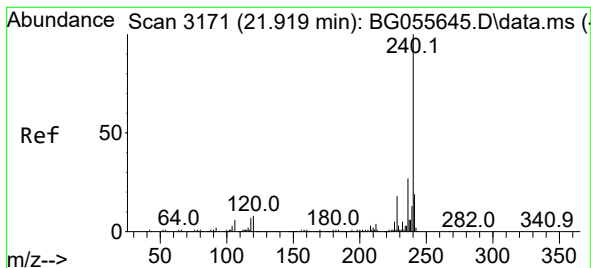
Tgt Ion:178 Resp: 93373
Ion Ratio Lower Upper
178 100
176 17.8 16.0 24.0
179 15.3 12.7 19.1



#75
Fluoranthene
Concen: 8.666 ng
RT: 19.587 min Scan# 2774
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:202 Resp: 148284
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.8
203 17.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.825 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

TP-0

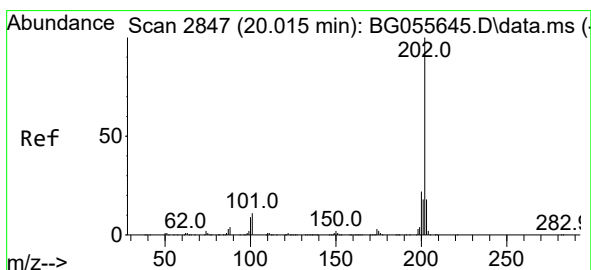
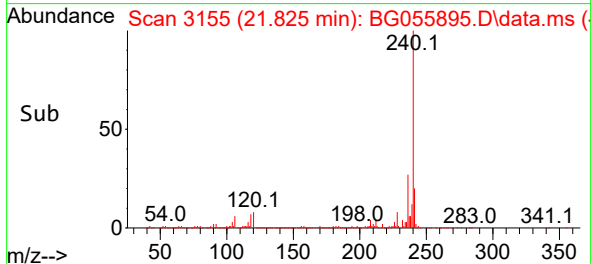
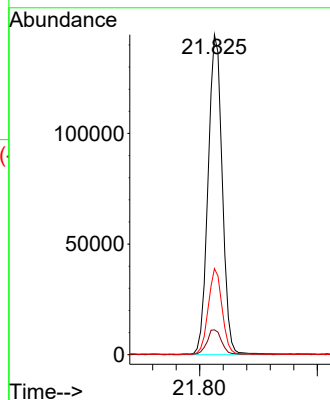
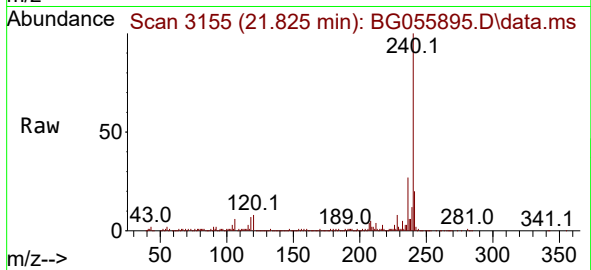
Tgt Ion:240 Resp: 242061

Ion Ratio Lower Upper

240 100

120 7.7 6.3 9.5

236 26.9 21.9 32.9



#78

Pyrene

Concen: 9.245 ng

RT: 19.945 min Scan# 2835

Delta R.T. -0.005 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

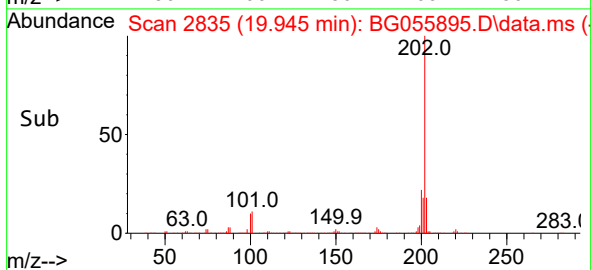
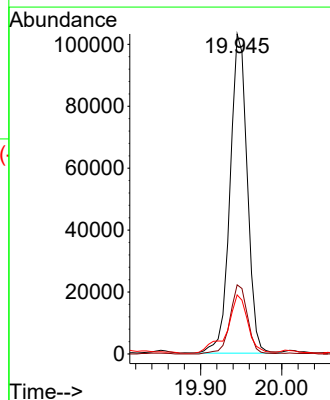
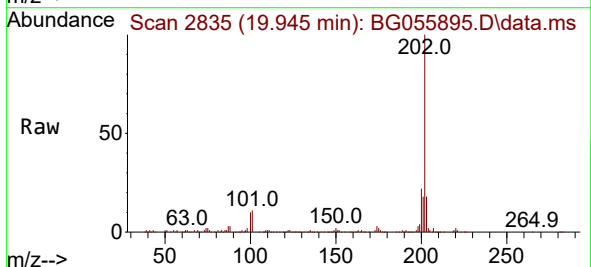
Tgt Ion:202 Resp: 151477

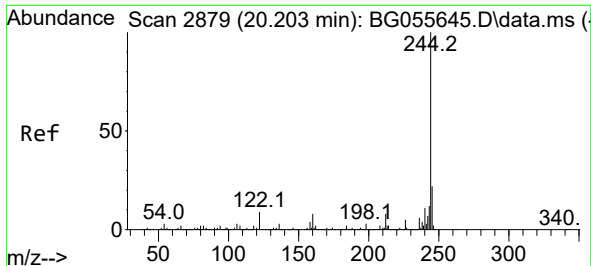
Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.5 14.4 21.6

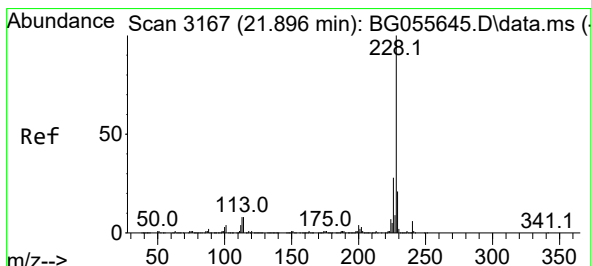
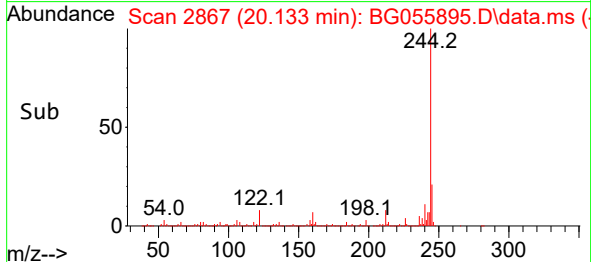
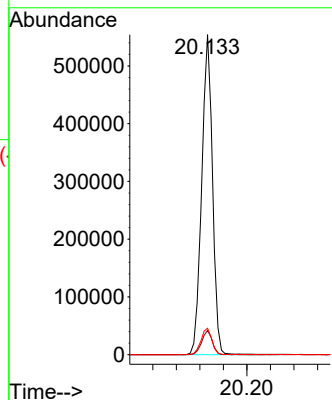
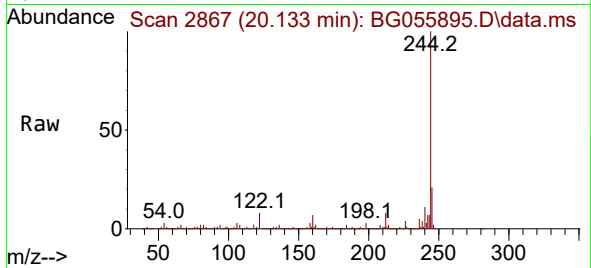




#79
 Terphenyl-d14
 Concen: 58.338 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG055895.D
 Acq: 5 Dec 2022 21:55

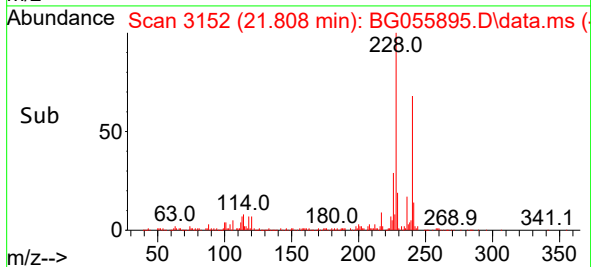
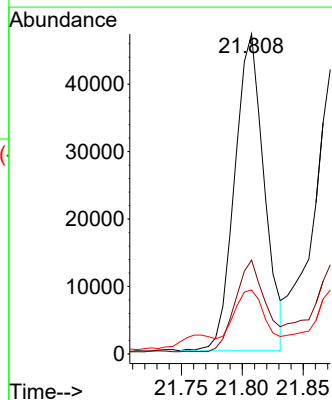
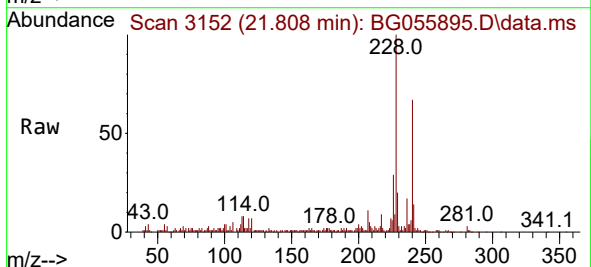
Instrument :
 BNA_G
 ClientSampleId :
 TP-0

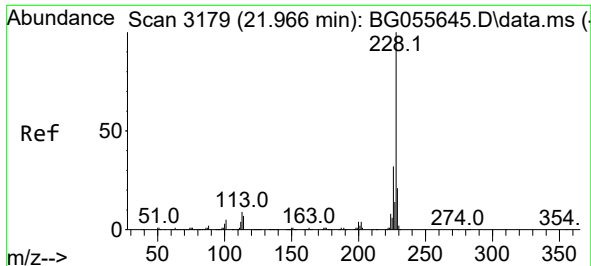
Tgt Ion:244 Resp: 706020
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.2 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 4.733 ng
 RT: 21.808 min Scan# 3152
 Delta R.T. -0.005 min
 Lab File: BG055895.D
 Acq: 5 Dec 2022 21:55

Tgt Ion:228 Resp: 78917
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.7 34.1
 229 20.0 16.5 24.7

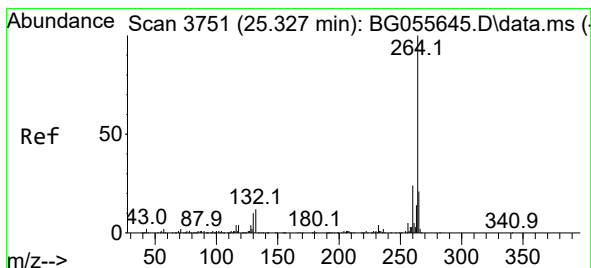
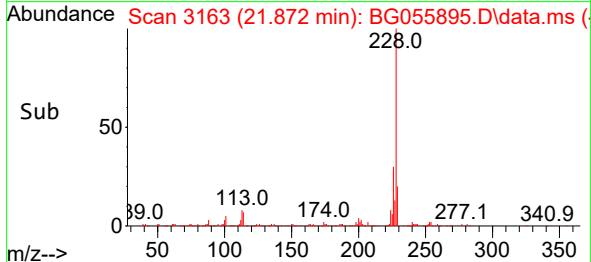
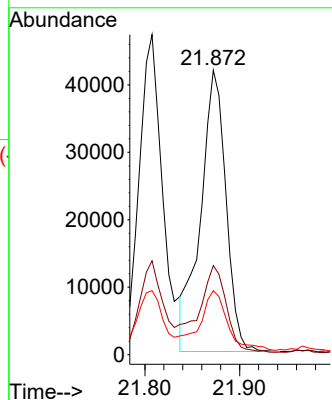
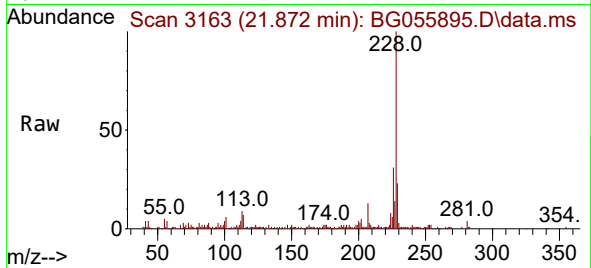




#83
Chrysene
Concen: 4.907 ng
RT: 21.872 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

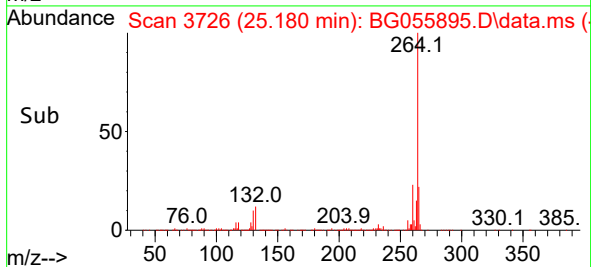
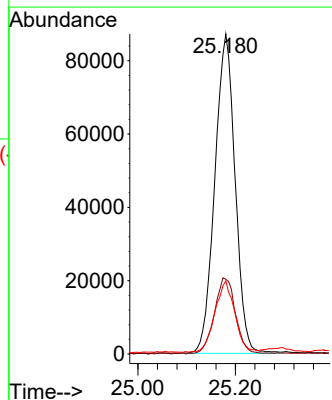
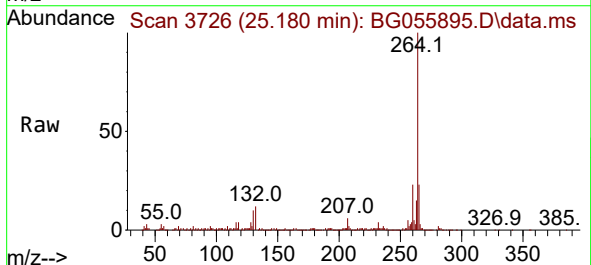
Instrument :
BNA_G
ClientSampleId :
TP-0

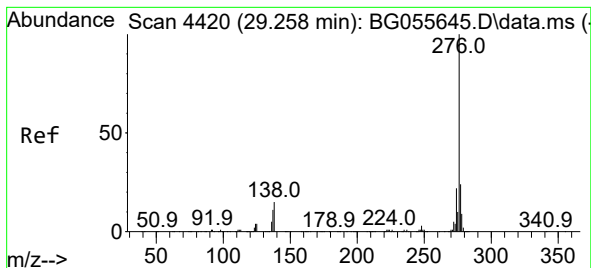
Tgt Ion:228 Resp: 77890
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.2
229 22.5 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 3726
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Tgt Ion:264 Resp: 251990
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.662 ng

RT: 29.028 min Scan# 41

Delta R.T. -0.028 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

TP-0

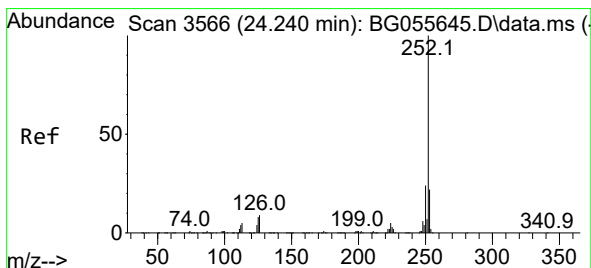
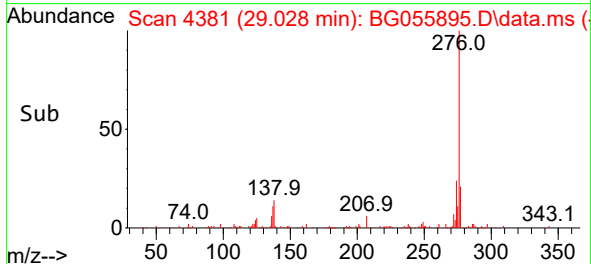
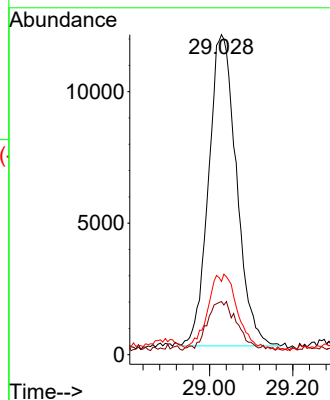
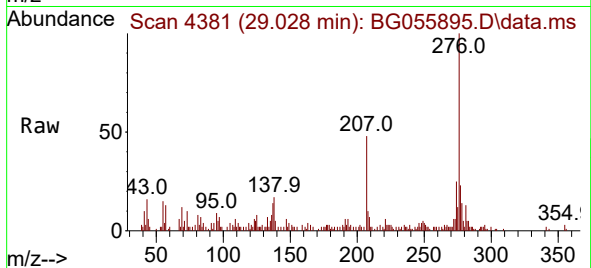
Tgt Ion:276 Resp: 54950

Ion Ratio Lower Upper

276 100

138 16.7 10.4 15.6#

277 0.0 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 6.571 ng

RT: 24.105 min Scan# 3543

Delta R.T. -0.011 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

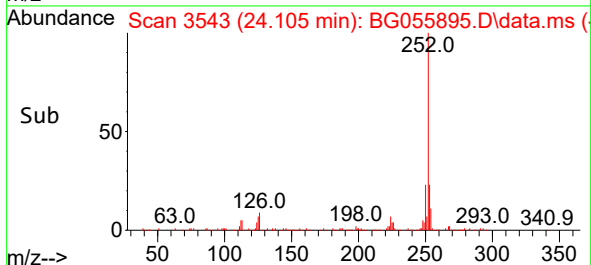
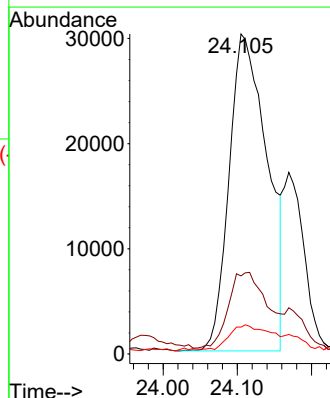
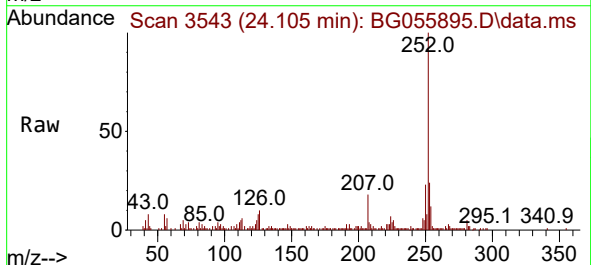
Tgt Ion:252 Resp: 107833

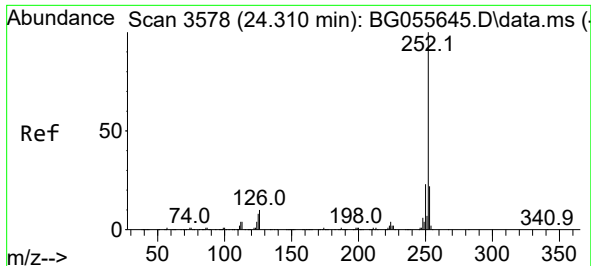
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 8.4 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 6.592 ng

RT: 24.105 min Scan# 3

Delta R.T. -0.081 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

TP-0

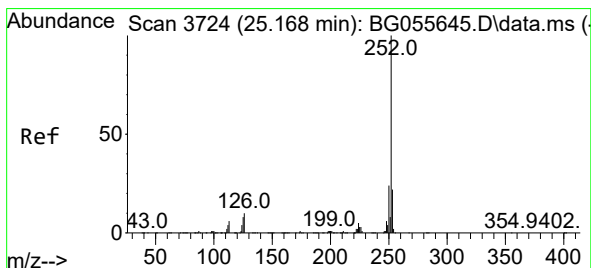
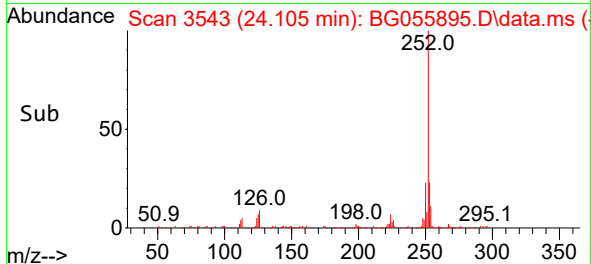
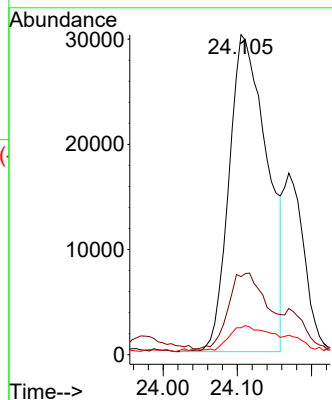
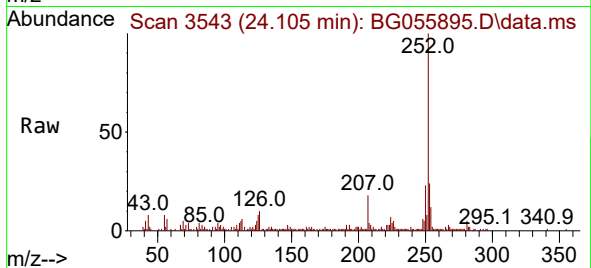
Tgt Ion:252 Resp: 107833

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 8.4 6.1 9.1



#90

Benzo(a)pyrene

Concen: 5.900 ng

RT: 25.021 min Scan# 3699

Delta R.T. -0.005 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

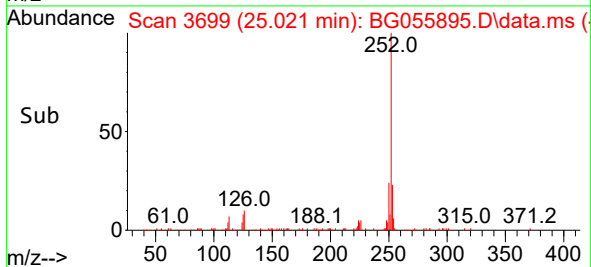
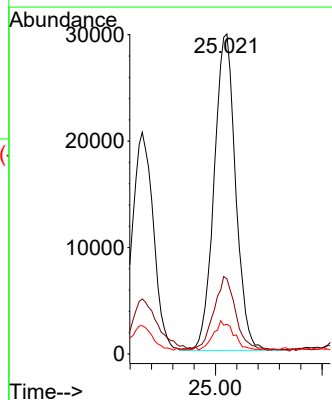
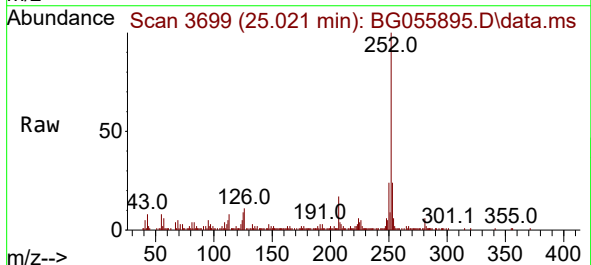
Tgt Ion:252 Resp: 83093

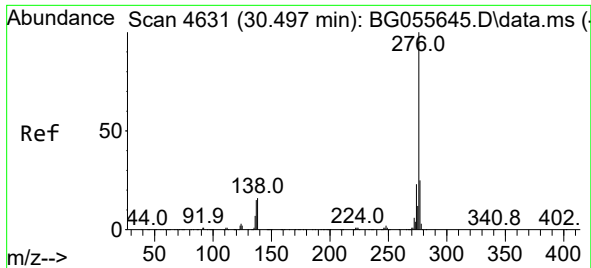
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

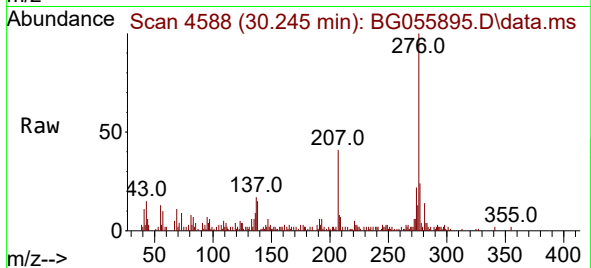
125 9.3 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.992 ng
 RT: 30.245 min Scan# 4
 Delta R.T. -0.023 min
 Lab File: BG055895.D
 Acq: 5 Dec 2022 21:55

Instrument :
 BNA_G
 ClientSampleId :
 TP-0



Tgt Ion:276 Resp: 67873
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.8 29.6
 138 15.1 13.1 19.7

