

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
 Data File : BG056341.D
 Acq On : 18 Jan 2023 23:35
 Operator : CG/JU
 Sample : 01159-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-E

Quant Time: Jan 19 00:35:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

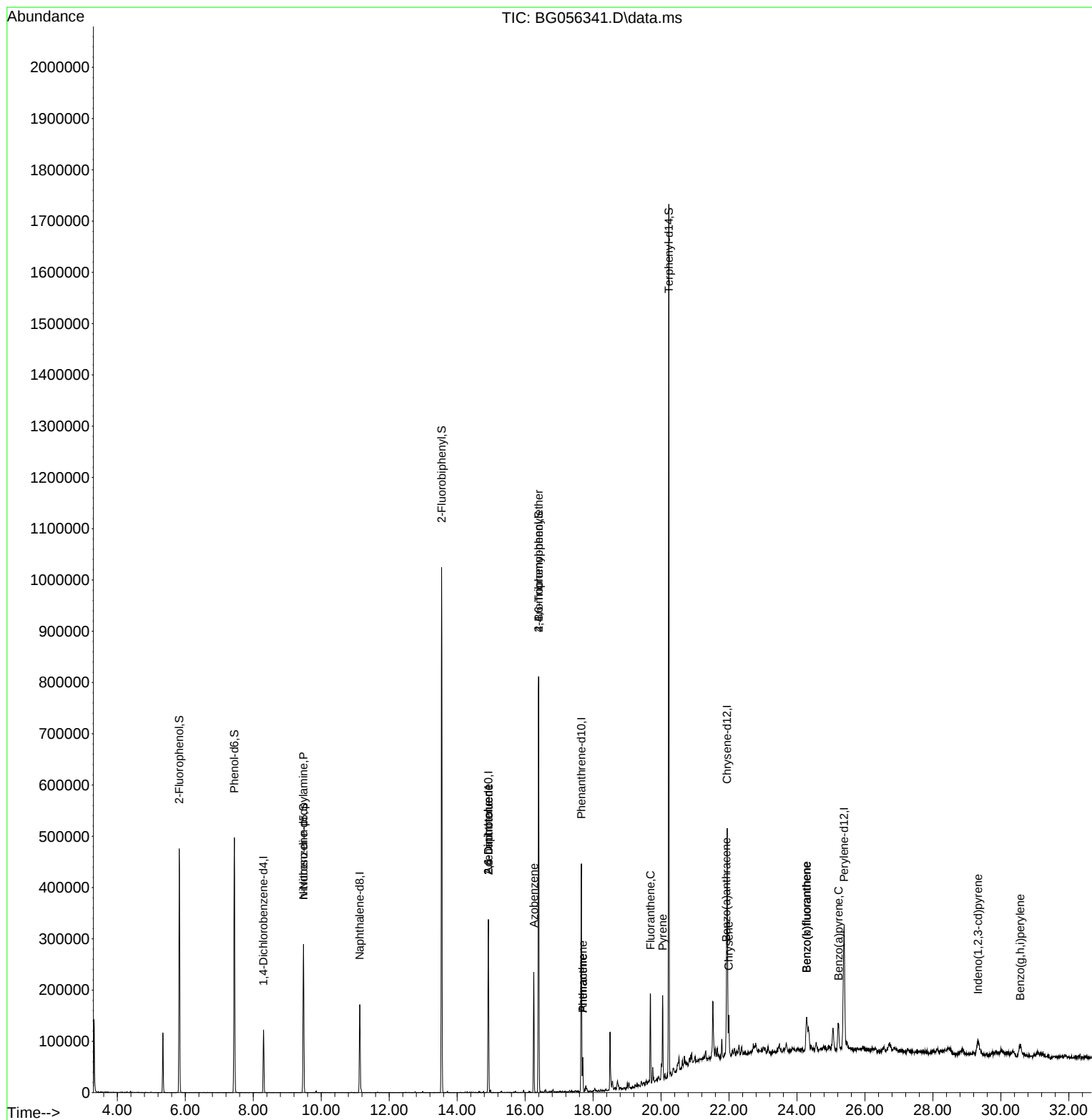
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	40173	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	161428	20.000	ng	# 0.00
39) Acenaphthene-d10	14.918	164	126348	20.000	ng	0.00
64) Phenanthrene-d10	17.656	188	303067	20.000	ng	0.00
76) Chrysene-d12	21.945	240	276675	20.000	ng	0.00
86) Perylene-d12	25.388	264	294159	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.823	112	264087	117.374	ng	0.00
7) Phenol-d6	7.445	99	378660	109.588	ng	0.00
23) Nitrobenzene-d5	9.478	82	207879	65.870	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	166533	104.072	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	572231	62.541	ng	0.00
79) Terphenyl-d14	20.230	244	906447	58.679	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.478	70	25152	11.971	ng	# 75
51) 2,6-Dinitrotoluene	14.918	165	16841	7.749	ng	# 31
57) 2,4-Dinitrotoluene	14.918	165	16841	5.541	ng	# 28
63) Azobenzene	16.258	77	63206	8.563	ng	# 1
67) 4-Bromophenyl-phenylether	16.399	248	13969	3.620	ng	# 1
71) Phenanthrene	17.697	178	44962	2.863	ng	94
72) Anthracene	17.697	178	44962	2.775	ng	96
75) Fluoranthene	19.689	202	124286	6.067	ng	97
78) Pyrene	20.048	202	113190	5.804	ng	98
81) Benzo(a)anthracene	21.922	228	61781	3.179	ng	98
83) Chrysene	21.992	228	65348	3.590	ng	98
87) Indeno(1,2,3-cd)pyrene	29.325	276	56410	2.637	ng	# 82
88) Benzo(b)fluoranthene	24.284	252	95009	5.083	ng	# 98
89) Benzo(k)fluoranthene	24.284	252	95009	5.105	ng	# 98
90) Benzo(a)pyrene	25.224	252	67293	3.692	ng	99
92) Benzo(g,h,i)perylene	30.570	276	53427	3.072	ng	98

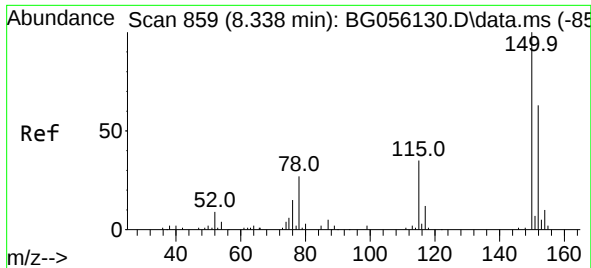
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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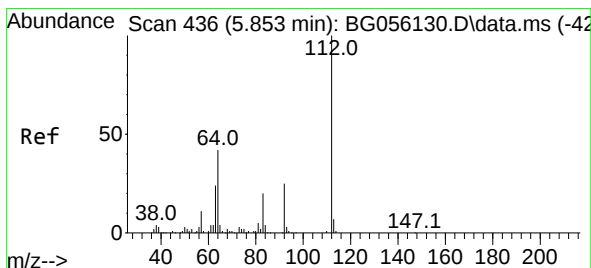
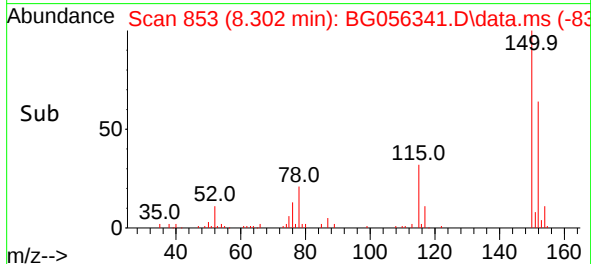
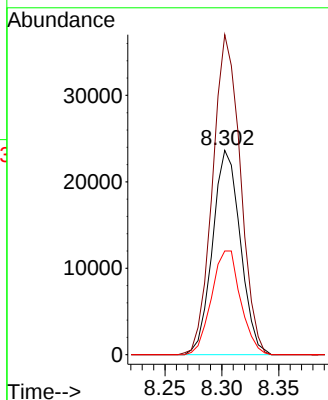
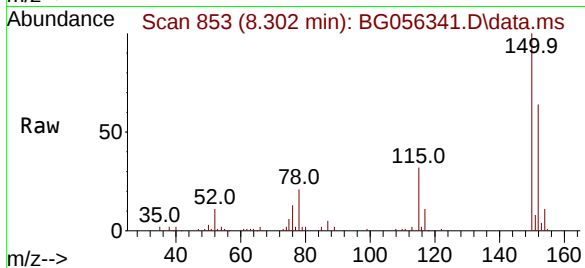




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.302 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

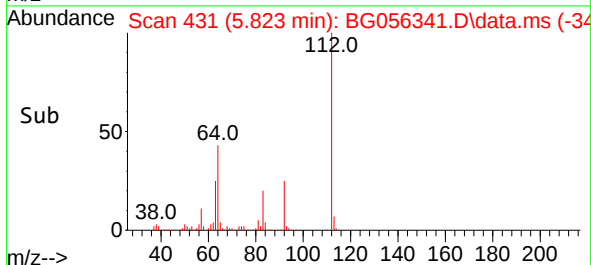
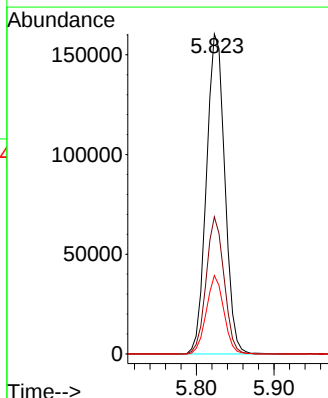
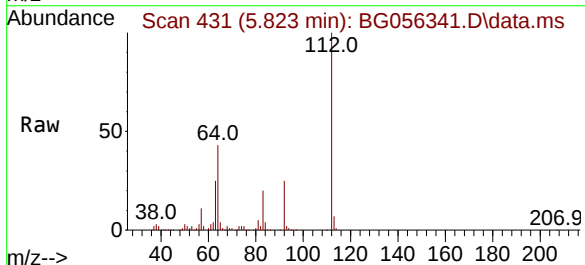
Instrument :
BNA_G
ClientSampleId :
TP-E

Tgt Ion:152 Resp: 40173
Ion Ratio Lower Upper
152 100
150 156.6 127.9 191.9
115 50.7 44.2 66.2



#5
2-Fluorophenol
Concen: 117.374 ng
RT: 5.823 min Scan# 431
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:112 Resp: 264087
Ion Ratio Lower Upper
112 100
64 42.9 33.3 49.9
63 24.5 19.0 28.4

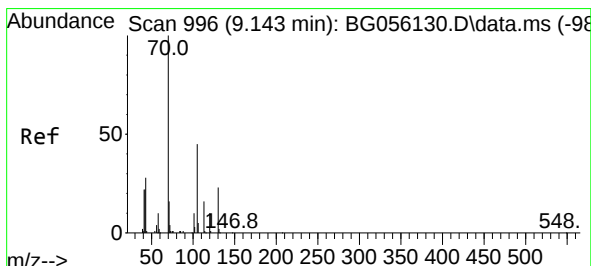
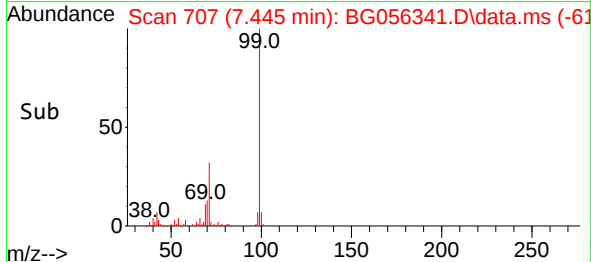
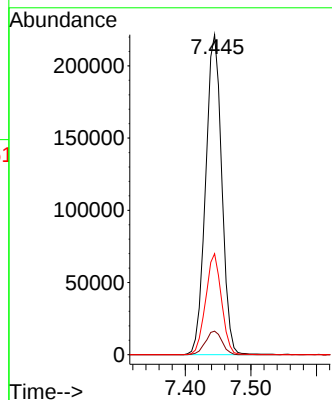
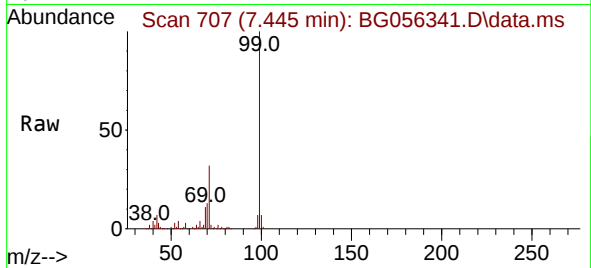




#7
Phenol-d6
Concen: 109.588 ng
RT: 7.445 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

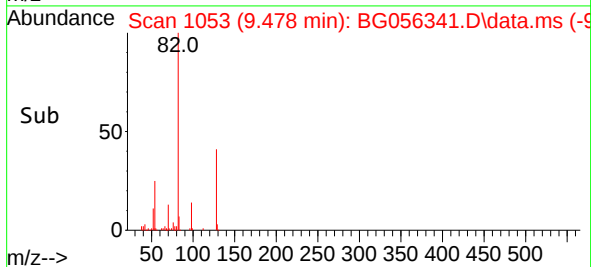
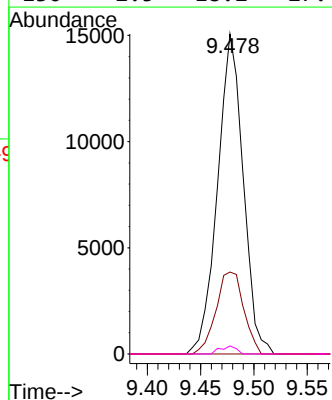
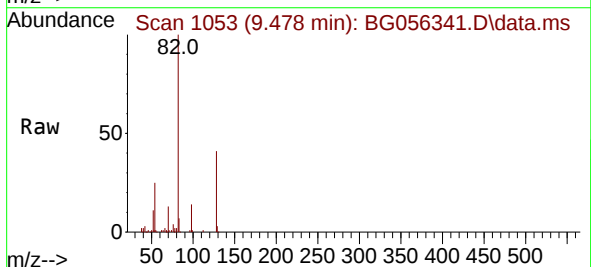
Instrument :
BNA_G
ClientSampleId :
TP-E

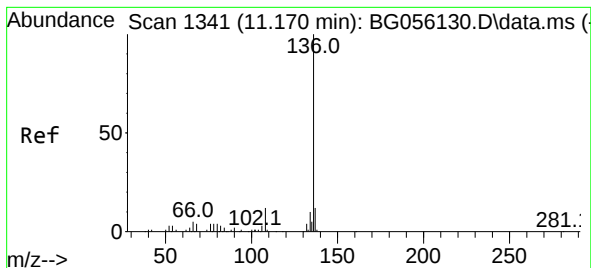
Tgt Ion: 99 Resp: 378660
Ion Ratio Lower Upper
99 100
42 7.3 5.9 8.9
71 31.6 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.971 ng
RT: 9.478 min Scan# 1053
Delta R.T. 0.367 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion: 70 Resp: 25152
Ion Ratio Lower Upper
70 100
42 25.6 18.2 27.2
101 0.0 8.3 12.5#
130 2.5 18.2 27.4#

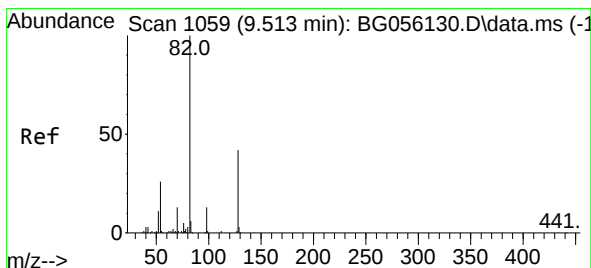
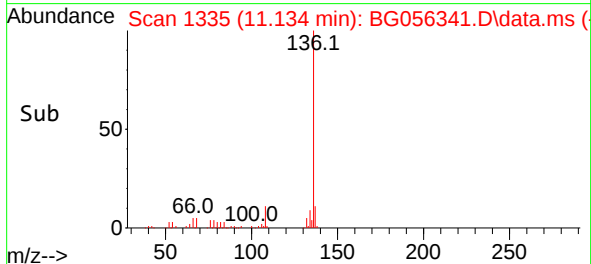
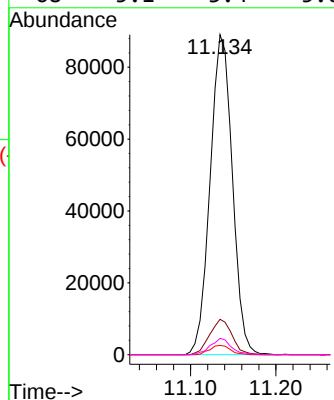
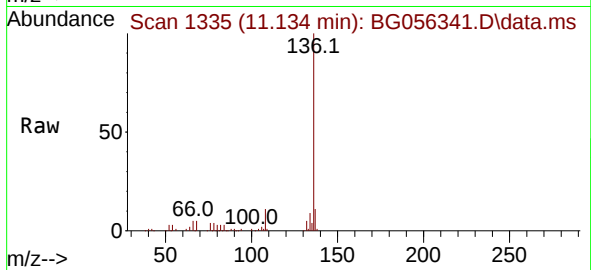




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

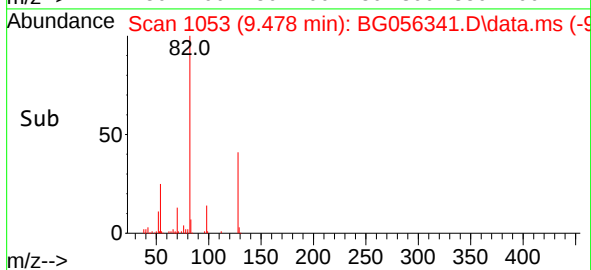
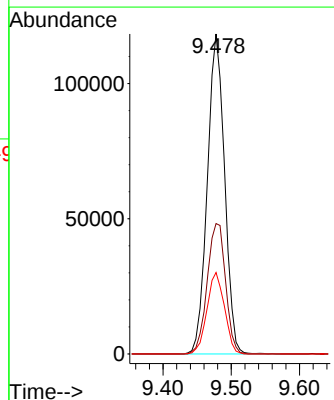
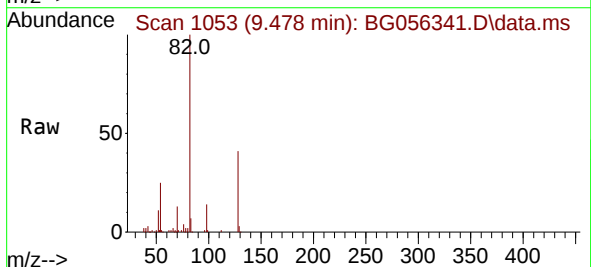
Instrument :
BNA_G
ClientSampleId :
TP-E

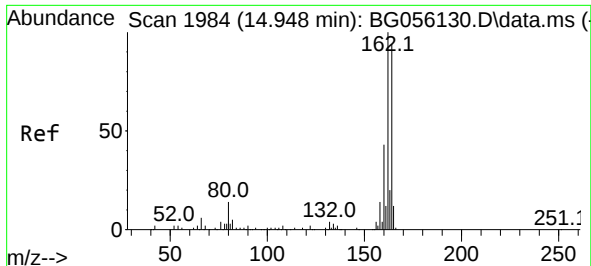
Tgt Ion:136 Resp: 161428
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.9 2.2 3.2
68 5.1 3.4 5.0#



#23
Nitrobenzene-d5
Concen: 65.870 ng
RT: 9.478 min Scan# 1053
Delta R.T. -0.009 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion: 82 Resp: 207879
Ion Ratio Lower Upper
82 100
128 40.8 33.4 50.2
54 25.5 20.3 30.5

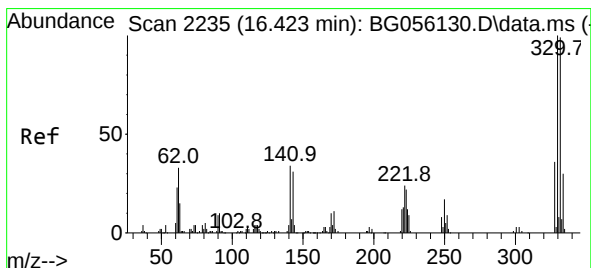
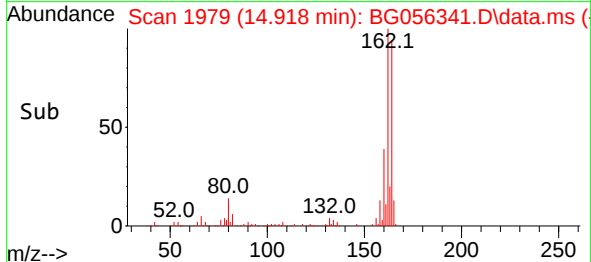
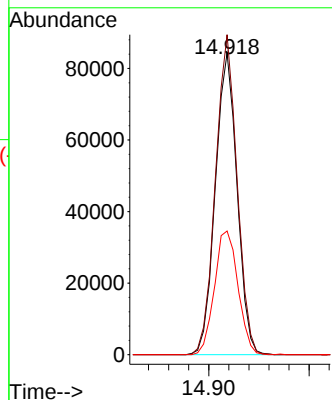
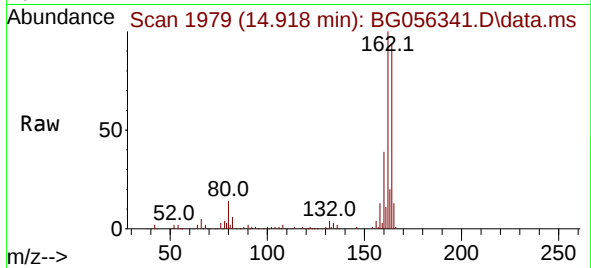




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.918 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

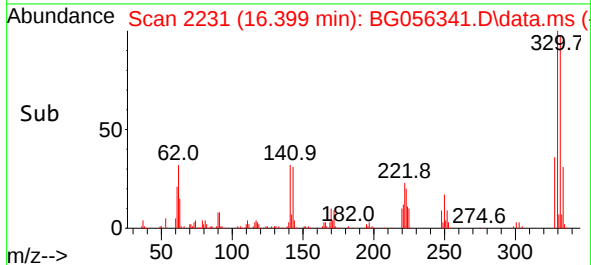
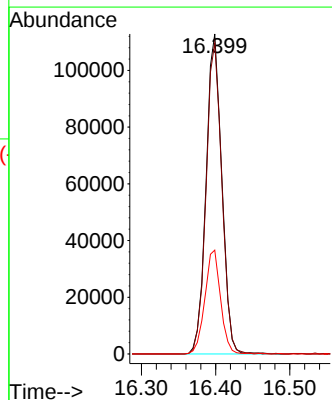
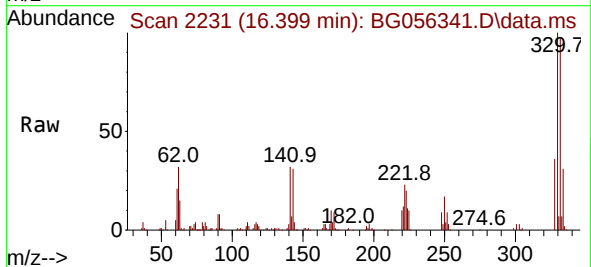
Instrument :
BNA_G
ClientSampleId :
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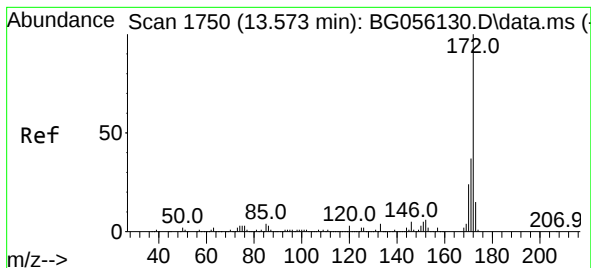
Tgt Ion:164 Resp: 126348
Ion Ratio Lower Upper
164 100
162 106.1 84.7 127.1
160 41.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 104.072 ng
RT: 16.399 min Scan# 2231
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:330 Resp: 166533
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 32.5 27.9 41.9

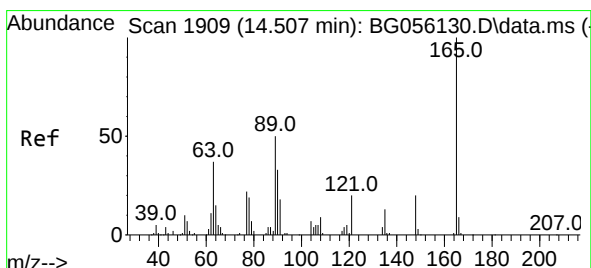
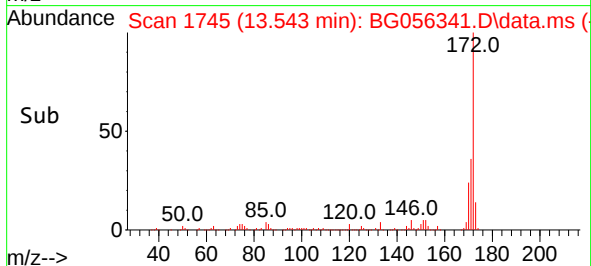
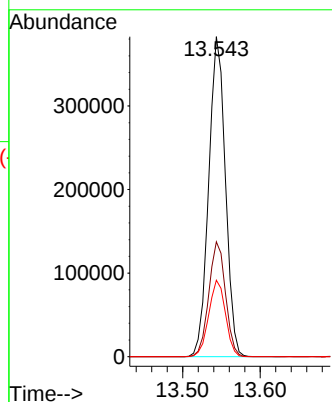
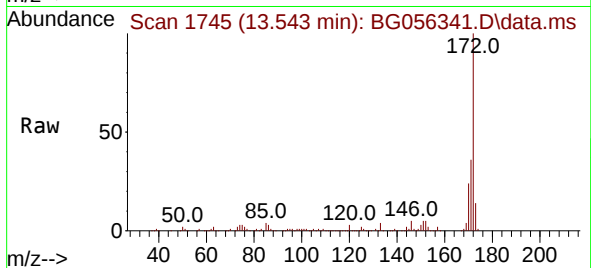




#45
2-Fluorobiphenyl
Concen: 62.541 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

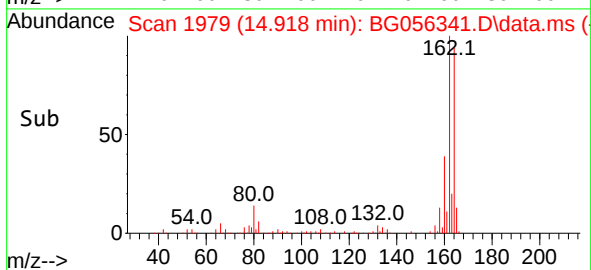
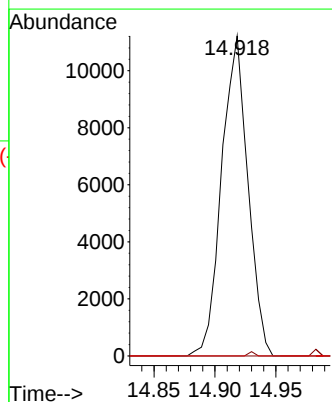
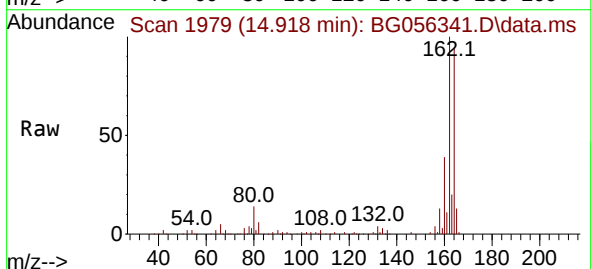
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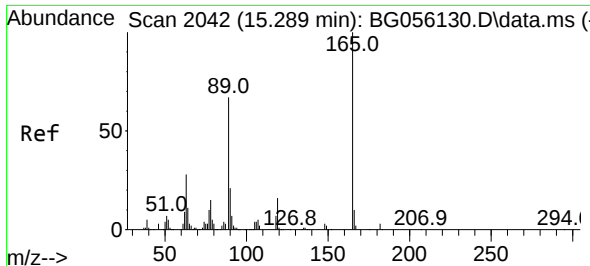
Tgt Ion:172 Resp: 572231
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.9 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.749 ng
RT: 14.918 min Scan# 1979
Delta R.T. 0.431 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:165 Resp: 16841
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#

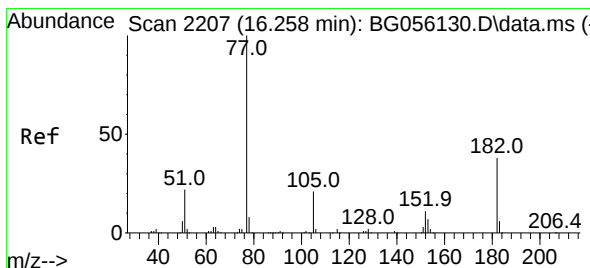
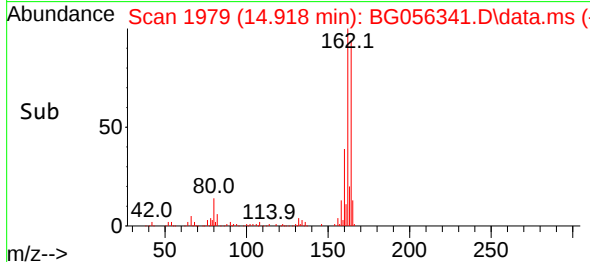
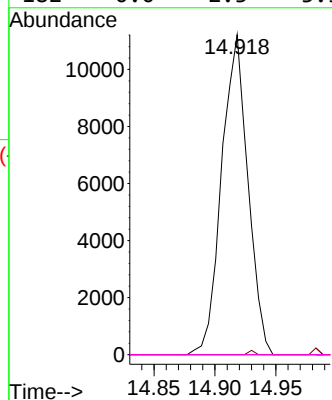
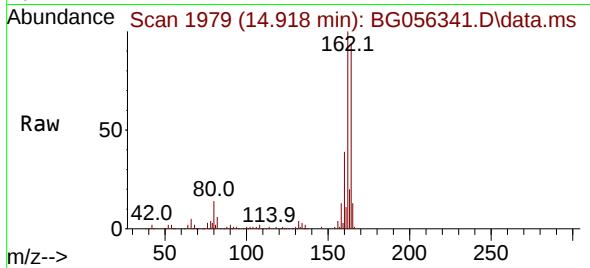




#57
2,4-Dinitrotoluene
Concen: 5.541 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.356 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

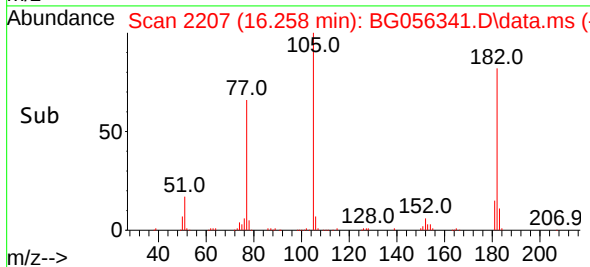
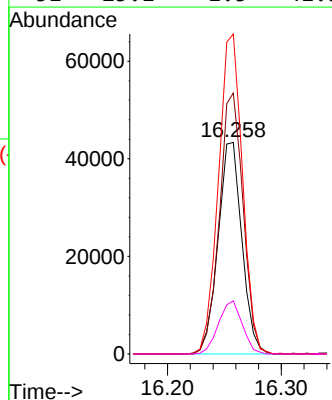
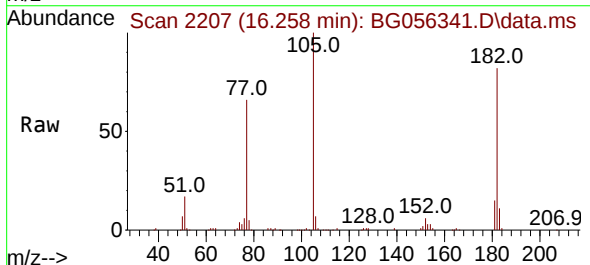
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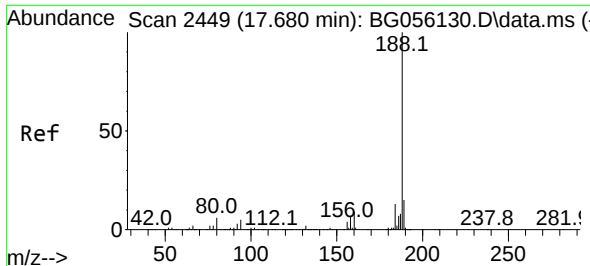
Tgt Ion:165 Resp: 16841
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 8.563 ng
RT: 16.258 min Scan# 2207
Delta R.T. 0.020 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion: 77 Resp: 63206
Ion Ratio Lower Upper
77 100
182 123.4 18.5 58.5#
105 151.2 1.4 41.4#
51 25.1 1.5 41.5

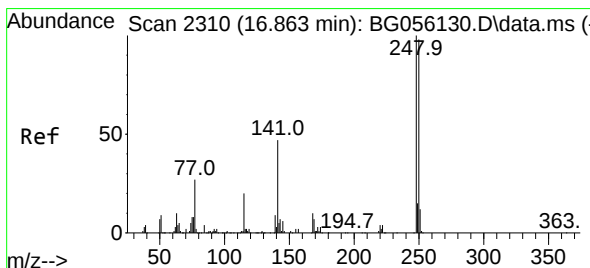
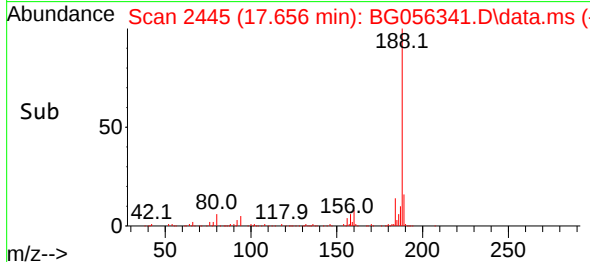
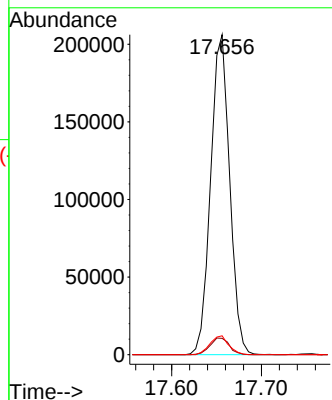
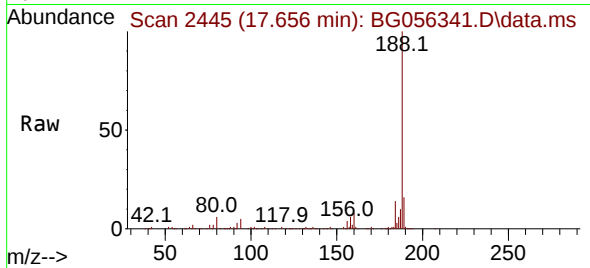




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.656 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

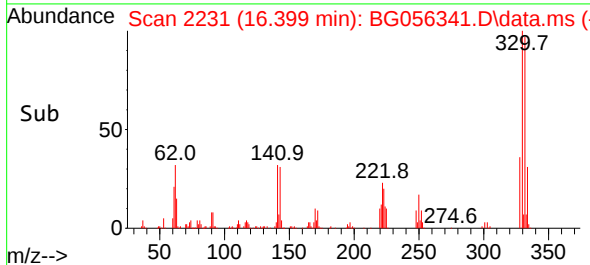
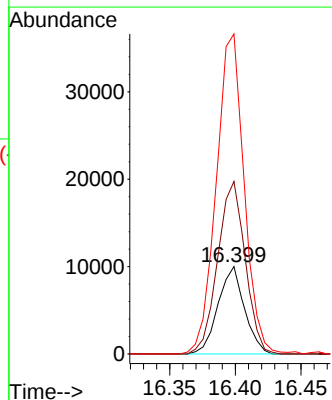
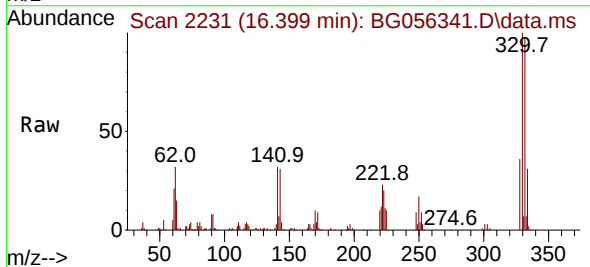
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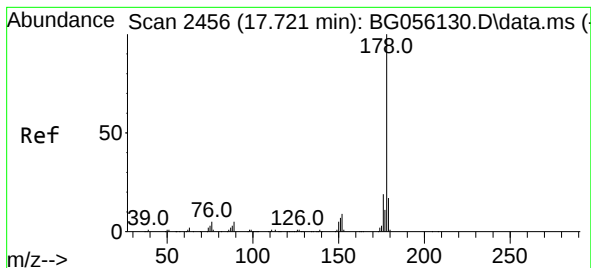
Tgt Ion:188 Resp: 303067
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 5.9 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.620 ng
RT: 16.399 min Scan# 2231
Delta R.T. -0.438 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:248 Resp: 13969
Ion Ratio Lower Upper
248 100
250 197.5 78.2 117.4#
141 366.5 37.6 56.4#





#71

Phenanthrene

Concen: 2.863 ng

RT: 17.697 min Scan# 2452

Delta R.T. -0.003 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

Instrument :

BNA_G

ClientSampleId :

TP-E

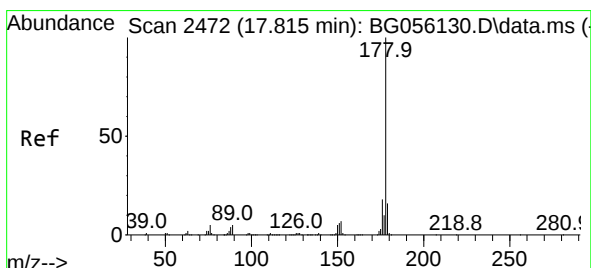
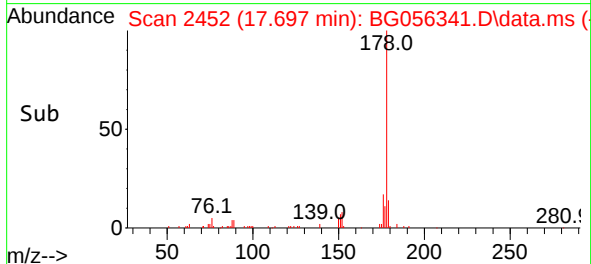
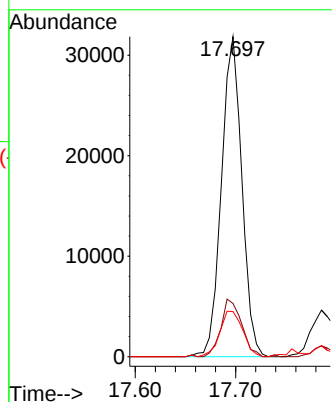
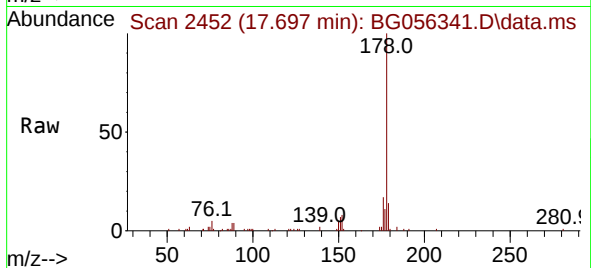
Tgt Ion:178 Resp: 44962

Ion Ratio Lower Upper

178 100

176 16.6 15.4 23.0

179 14.1 13.6 20.4



#72

Anthracene

Concen: 2.775 ng

RT: 17.697 min Scan# 2452

Delta R.T. -0.097 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

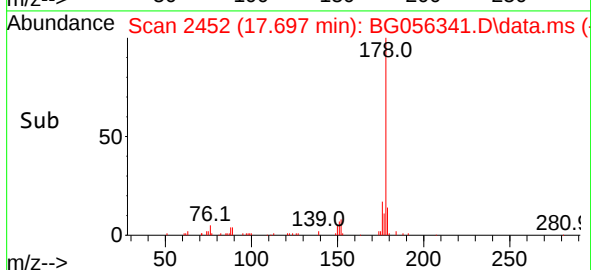
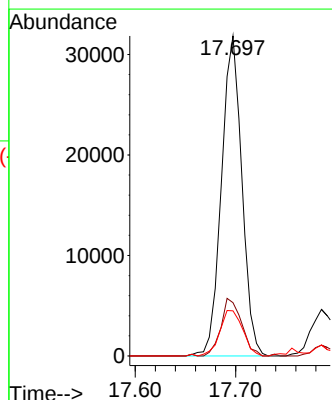
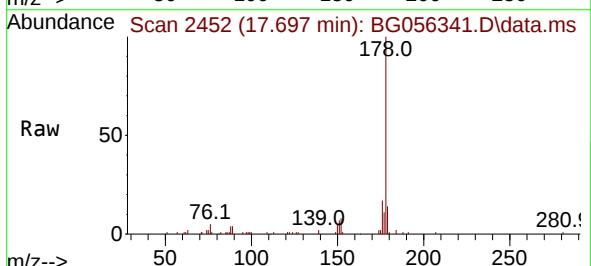
Tgt Ion:178 Resp: 44962

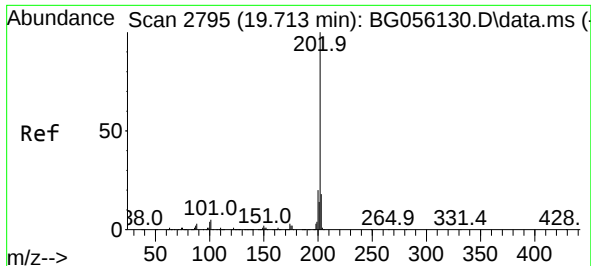
Ion Ratio Lower Upper

178 100

176 16.6 14.6 22.0

179 14.1 12.7 19.1

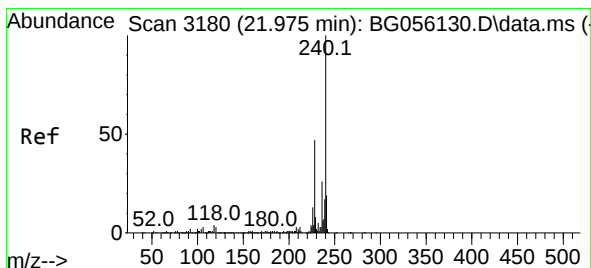
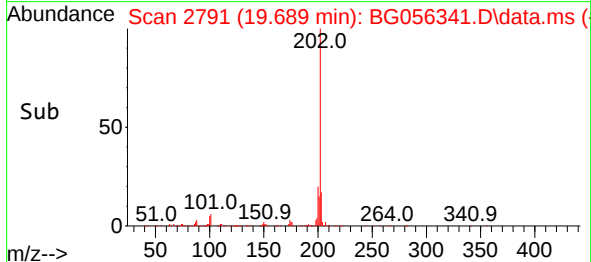
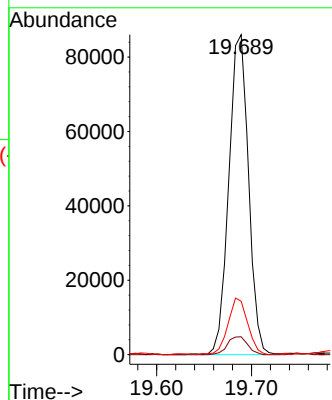
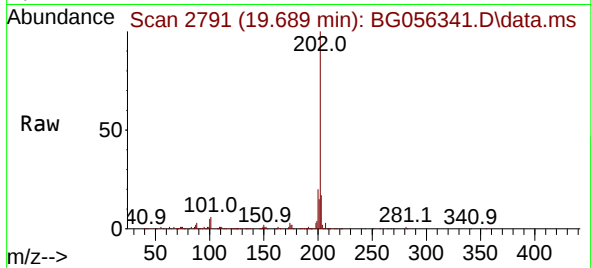




#75
Fluoranthene
Concen: 6.067 ng
RT: 19.689 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

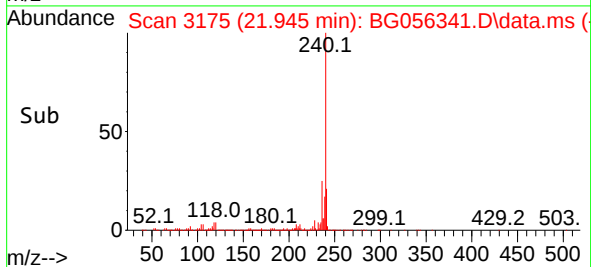
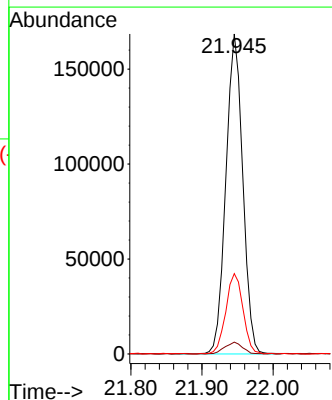
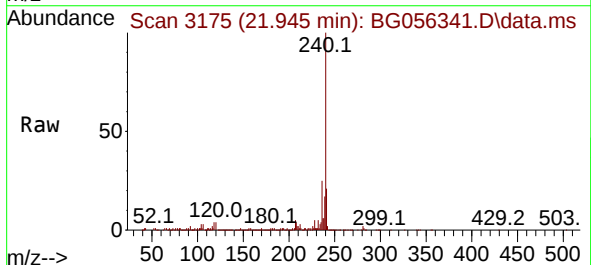
Instrument :
BNA_G
ClientSampleId :
TP-E

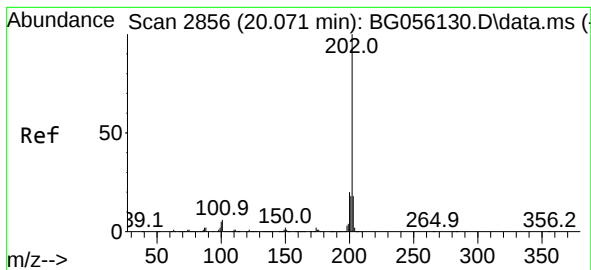
Tgt Ion:202 Resp: 124286
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.0
203 16.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.945 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:240 Resp: 276675
Ion Ratio Lower Upper
240 100
120 3.7 2.6 4.0
236 25.1 20.8 31.2





#78

Pyrene

Concen: 5.804 ng

RT: 20.048 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

Instrument :

BNA_G

ClientSampleId :

TP-E

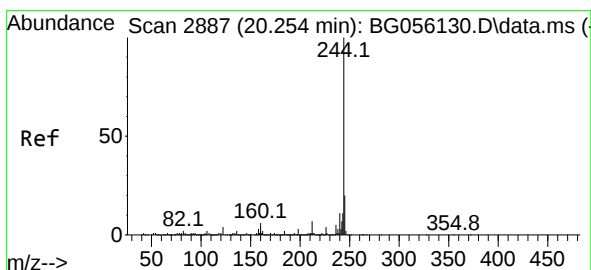
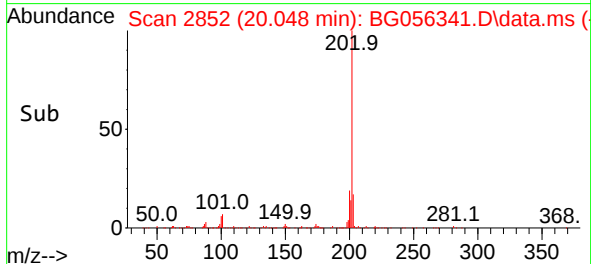
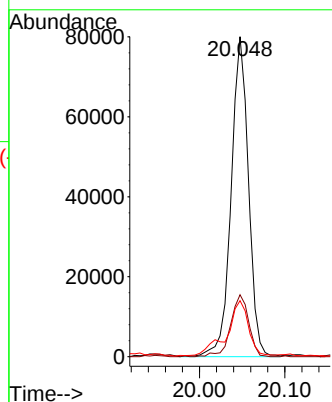
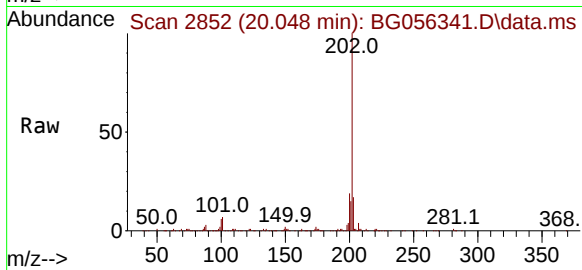
Tgt Ion:202 Resp: 113190

Ion Ratio Lower Upper

202 100

200 19.4 16.4 24.6

203 17.5 14.3 21.5



#79

Terphenyl-d14

Concen: 58.679 ng

RT: 20.230 min Scan# 2883

Delta R.T. -0.003 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

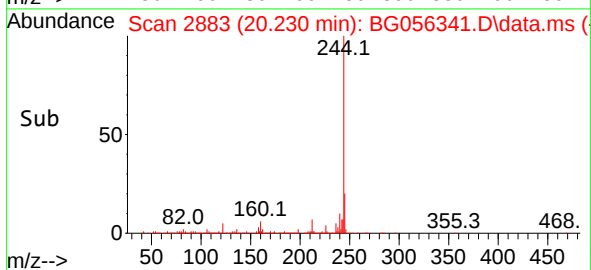
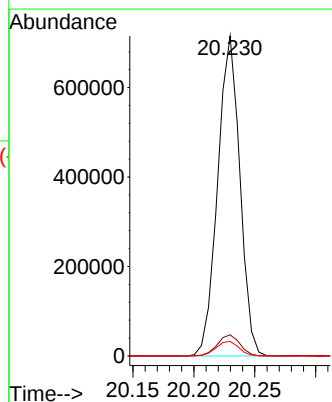
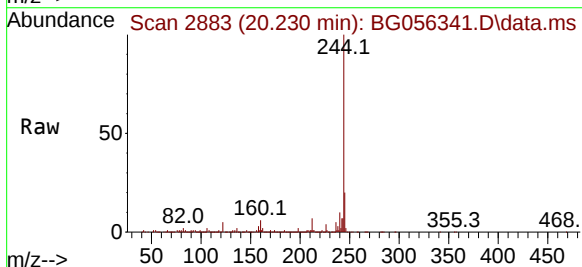
Tgt Ion:244 Resp: 906447

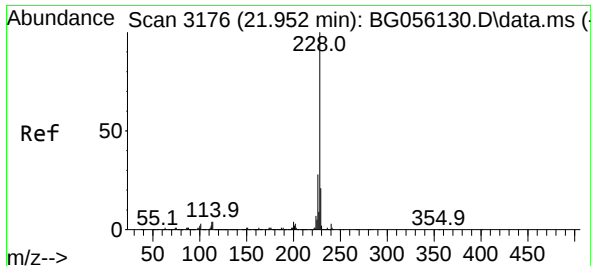
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 4.5 3.5 5.3

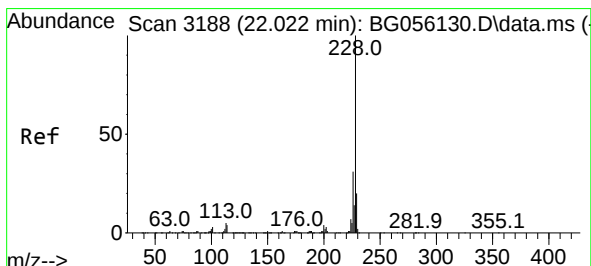
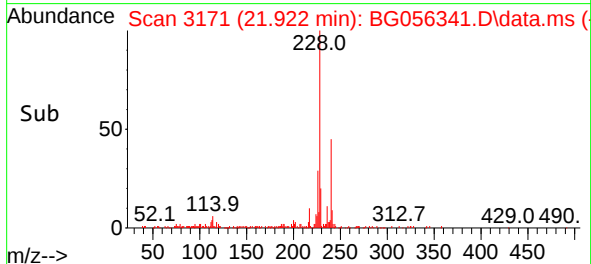
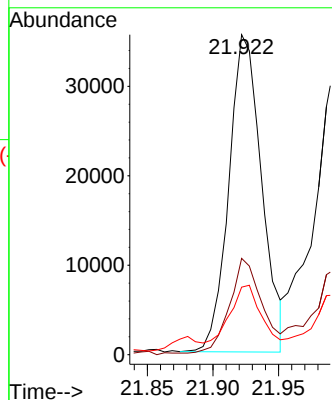
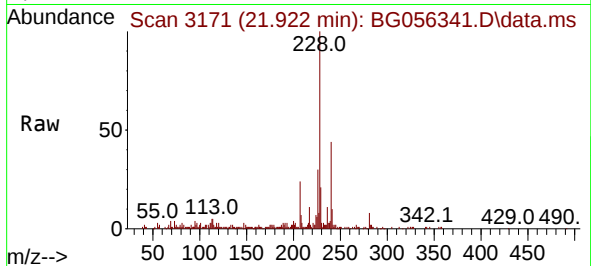




#81
Benzo(a)anthracene
Concen: 3.179 ng
RT: 21.922 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

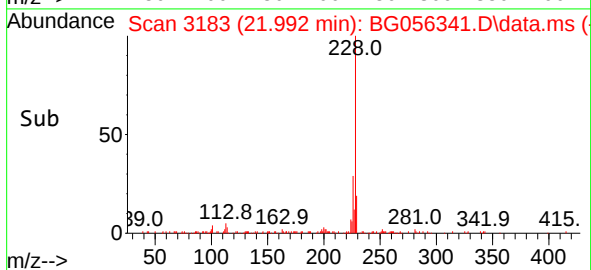
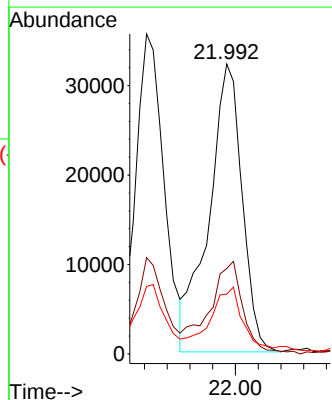
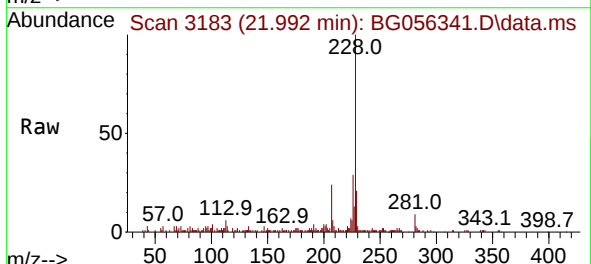
Instrument :
BNA_G
ClientSampleId :
TP-E

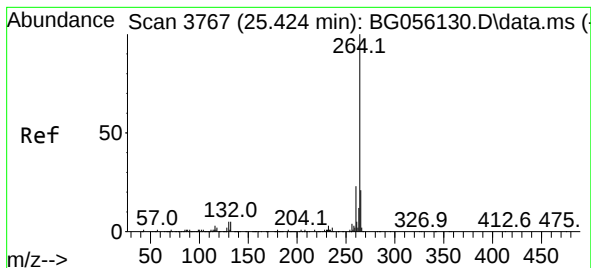
Tgt Ion:228 Resp: 61781
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 21.1 16.9 25.3



#83
Chrysene
Concen: 3.590 ng
RT: 21.992 min Scan# 3183
Delta R.T. -0.009 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:228 Resp: 65348
Ion Ratio Lower Upper
228 100
226 29.4 24.6 36.8
229 20.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.388 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

Instrument :

BNA_G

ClientSampleId :

TP-E

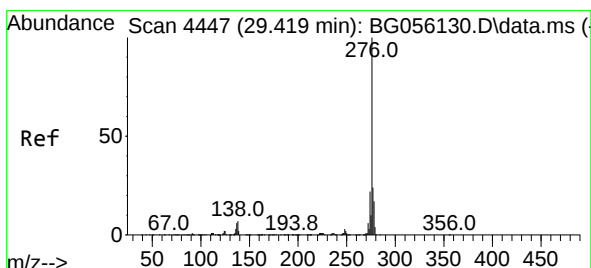
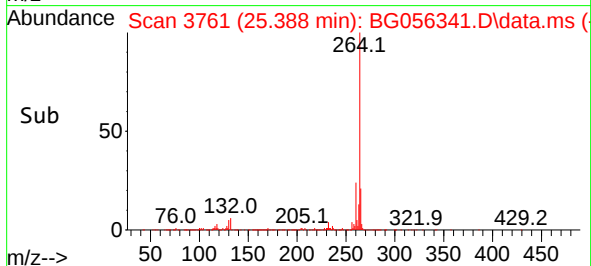
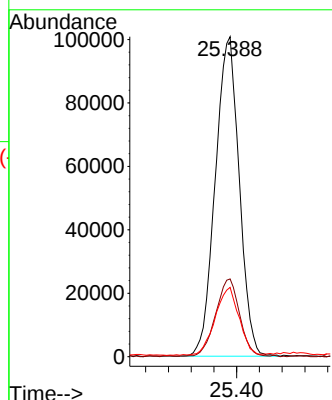
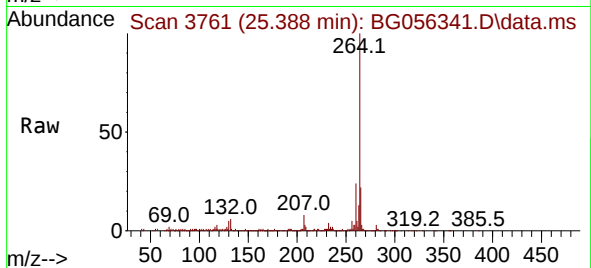
Tgt Ion:264 Resp: 294159

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 21.7 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.637 ng

RT: 29.325 min Scan# 4431

Delta R.T. -0.033 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

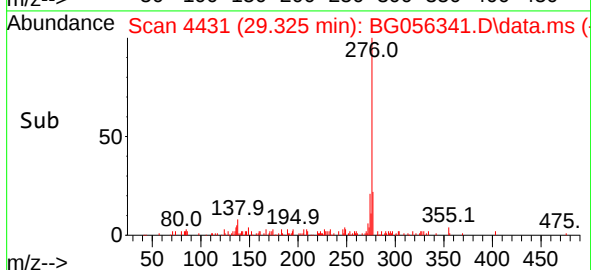
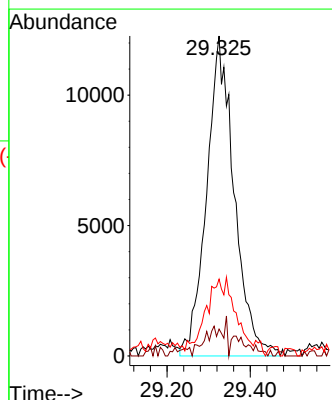
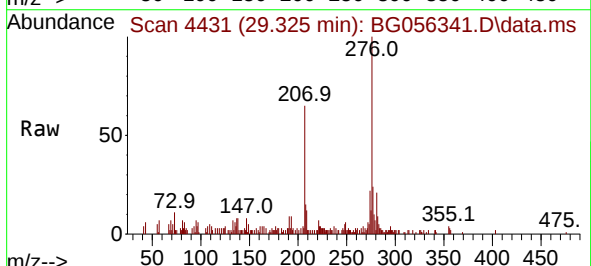
Tgt Ion:276 Resp: 56410

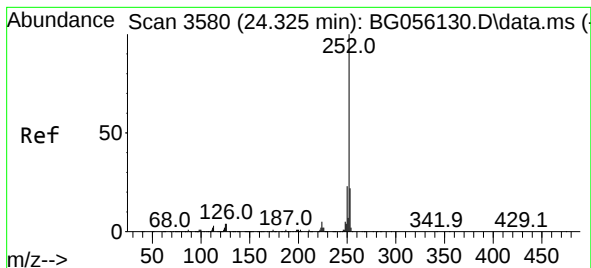
Ion Ratio Lower Upper

276 100

138 5.3 5.0 7.4

277 14.3 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 5.083 ng

RT: 24.284 min Scan# 3573

Delta R.T. -0.009 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

Instrument :

BNA_G

ClientSampleId :

TP-E

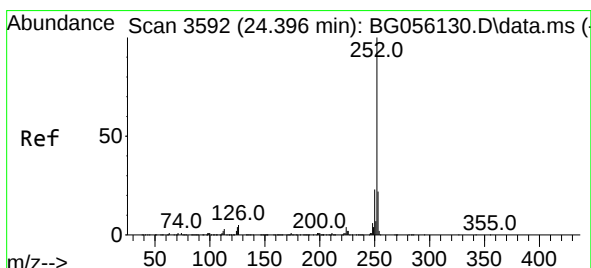
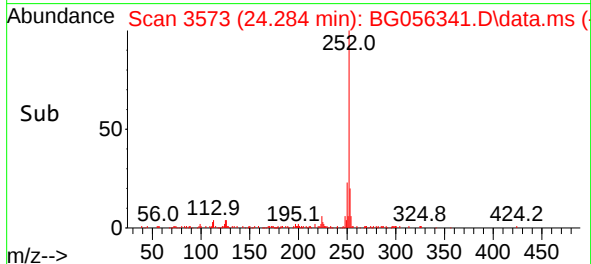
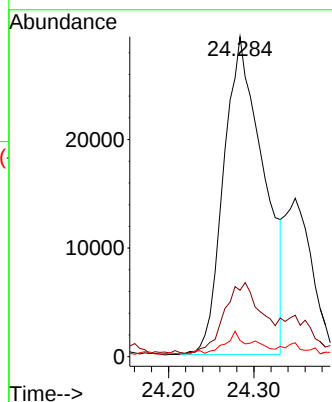
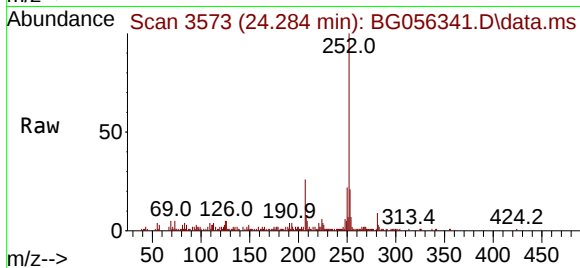
Tgt Ion:252 Resp: 95009

Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.2

125 5.1 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 5.105 ng

RT: 24.284 min Scan# 3573

Delta R.T. -0.086 min

Lab File: BG056341.D

Acq: 18 Jan 2023 23:35

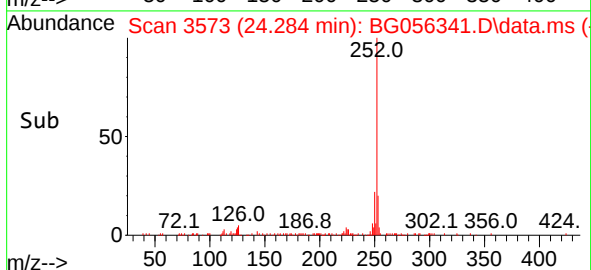
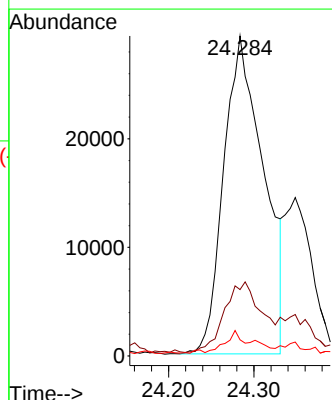
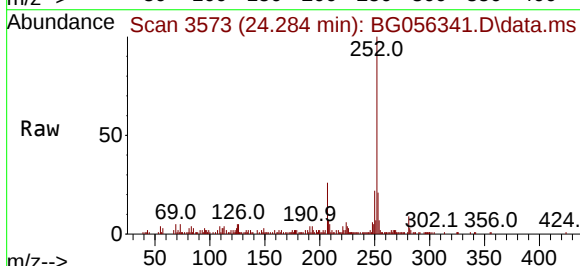
Tgt Ion:252 Resp: 95009

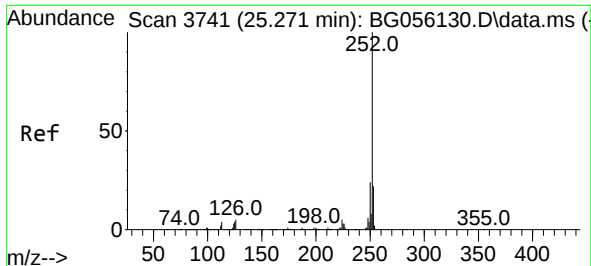
Ion Ratio Lower Upper

252 100

253 20.8 17.5 26.3

125 5.1 3.4 5.0#

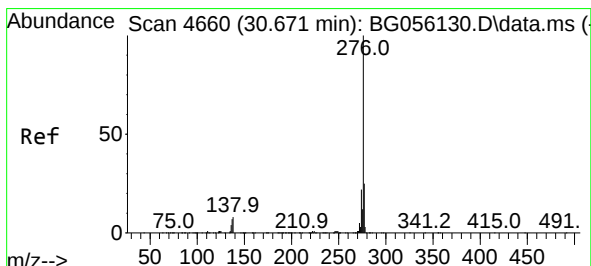
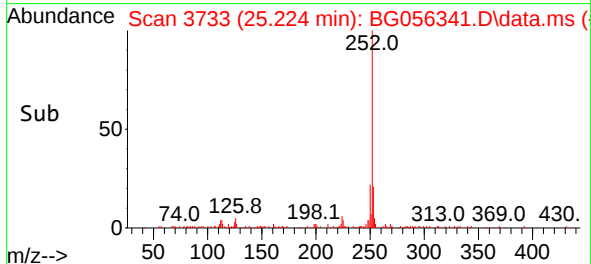
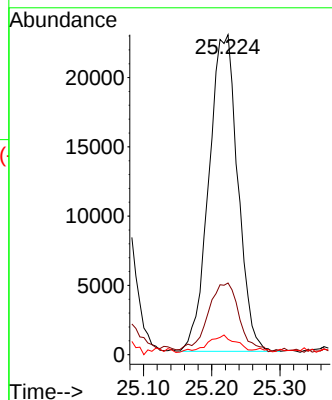
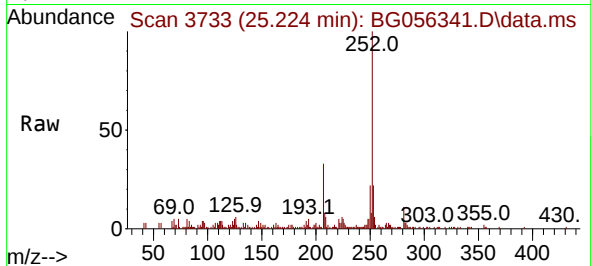




#90
Benzo(a)pyrene
Concen: 3.692 ng
RT: 25.224 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Instrument :
BNA_G
ClientSampleId :
TP-E

Tgt Ion:252 Resp: 67293
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 4.8 3.2 4.8



#92
Benzo(g,h,i)perylene
Concen: 3.072 ng
RT: 30.570 min Scan# 4643
Delta R.T. -0.027 min
Lab File: BG056341.D
Acq: 18 Jan 2023 23:35

Tgt Ion:276 Resp: 53427
Ion Ratio Lower Upper
276 100
277 23.4 19.7 29.5
138 8.8 6.7 10.1

