

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056372.D
 Acq On : 20 Jan 2023 18:05
 Operator : CG/JU
 Sample : 01232-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A

Quant Time: Jan 23 00:01:20 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)

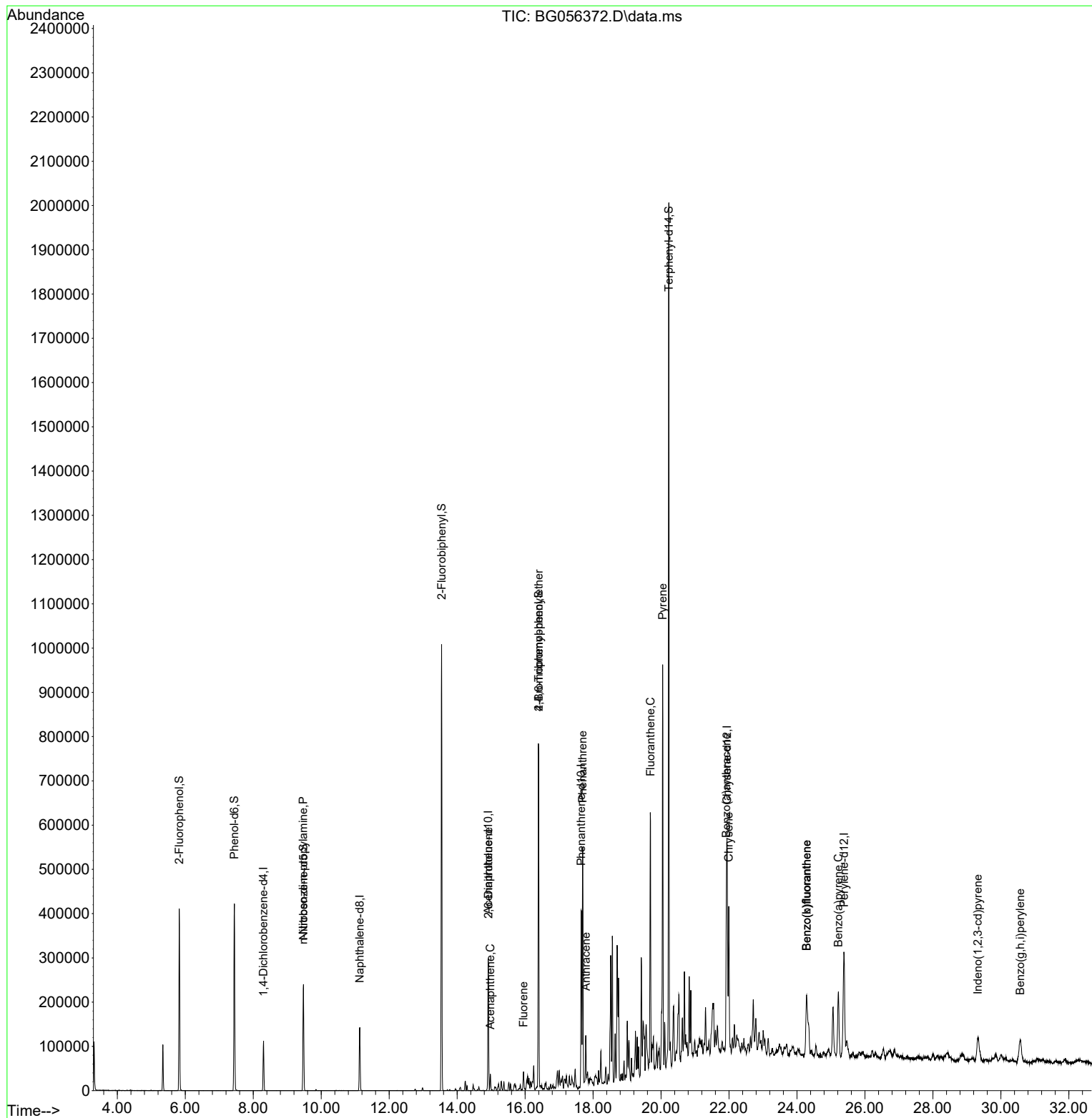
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	36892	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	139086	20.000	ng	# 0.00
39) Acenaphthene-d10	14.912	164	114800	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	281635	20.000	ng	0.00
76) Chrysene-d12	21.945	240	266133	20.000	ng	# 0.00
86) Perylene-d12	25.382	264	294871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.823	112	237729	115.056	ng	0.00
7) Phenol-d6	7.444	99	331824	104.574	ng	0.00
23) Nitrobenzene-d5	9.477	82	173640	63.859	ng	0.00
42) 2,4,6-Tribromophenol	16.398	330	164238	112.962	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	574610	69.118	ng	0.00
79) Terphenyl-d14	20.229	244	1042959	70.190	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.471	70	21099	10.935	ng	# 73
51) 2,6-Dinitrotoluene	14.918	165	15809	8.006	ng	# 33
52) Acenaphthene	14.977	154	14207	2.068	ng	94
58) Fluorene	15.952	166	19733	2.159	ng	95
67) 4-Bromophenyl-phenylether	16.398	248	13322	3.715	ng	# 1
71) Phenanthrene	17.691	178	389306	26.674	ng	97
72) Anthracene	17.785	178	83597	5.552	ng	100
75) Fluoranthene	19.689	202	397983	20.904	ng	99
78) Pyrene	20.047	202	614463	32.757	ng	98
81) Benzo(a)anthracene	21.921	228	258895	13.850	ng	99
83) Chrysene	21.992	228	262360	14.984	ng	100
87) Indeno(1,2,3-cd)pyrene	29.319	276	105537	4.921	ng	# 96
88) Benzo(b)fluoranthene	24.283	252	194788	10.397	ng	# 98
89) Benzo(k)fluoranthene	24.283	252	194788	10.441	ng	99
90) Benzo(a)pyrene	25.218	252	191520	10.481	ng	# 97
92) Benzo(g,h,i)perylene	30.570	276	116828	6.701	ng	99

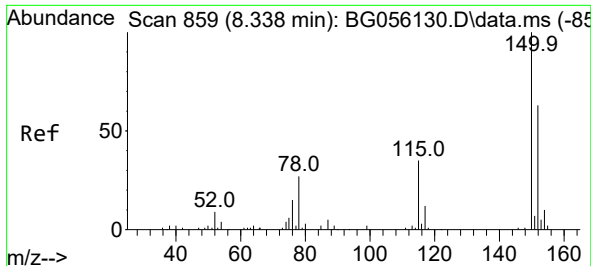
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 23 00:01:20 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
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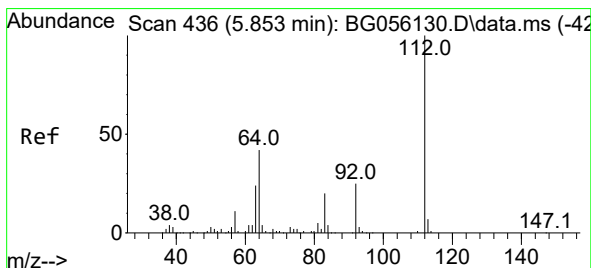
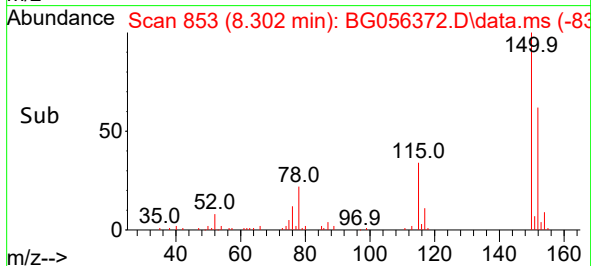
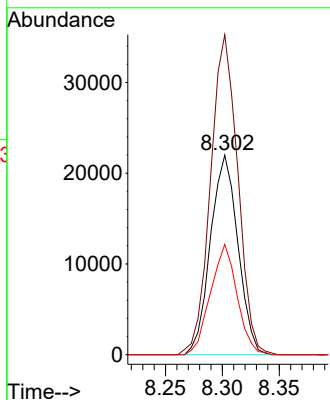
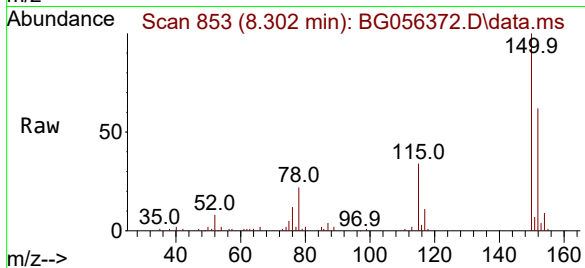




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.302 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

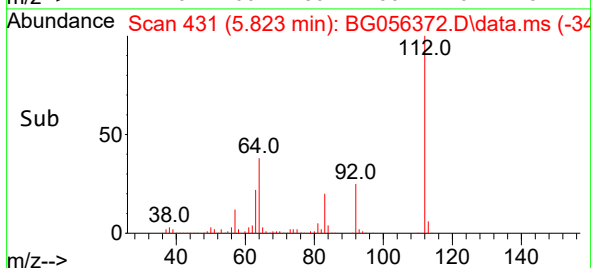
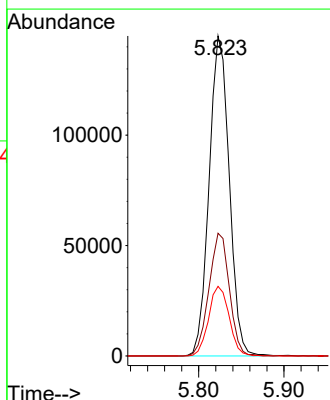
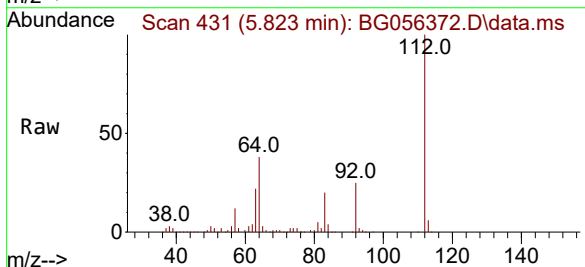
Instrument :
BNA_G
ClientSampleId :
B-P-19A

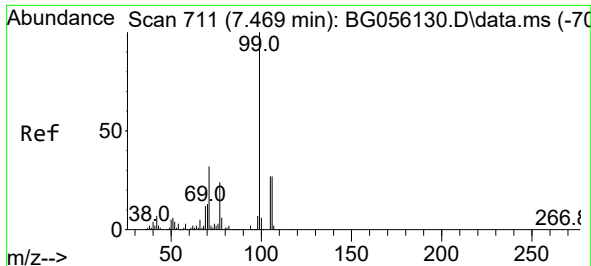
Tgt Ion:152 Resp: 36892
Ion Ratio Lower Upper
152 100
150 160.3 127.9 191.9
115 55.3 44.2 66.2



#5
2-Fluorophenol
Concen: 115.056 ng
RT: 5.823 min Scan# 431
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:112 Resp: 237729
Ion Ratio Lower Upper
112 100
64 38.4 33.3 49.9
63 21.8 19.0 28.4

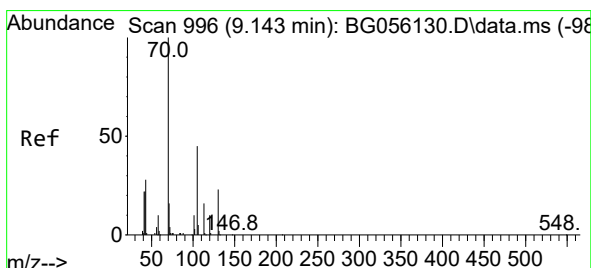
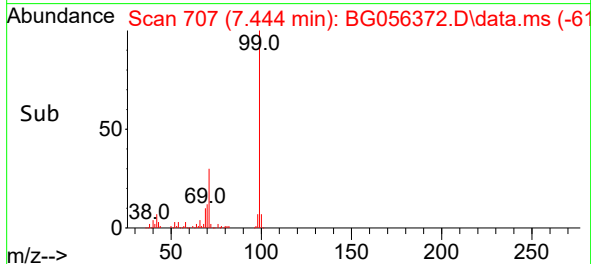
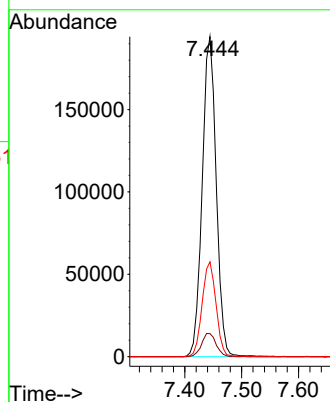
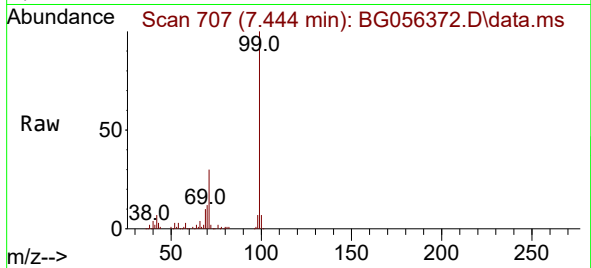




#7
Phenol-d6
Concen: 104.574 ng
RT: 7.444 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

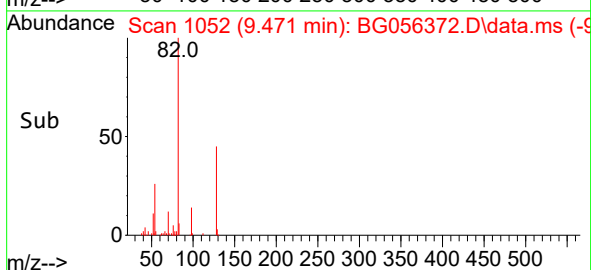
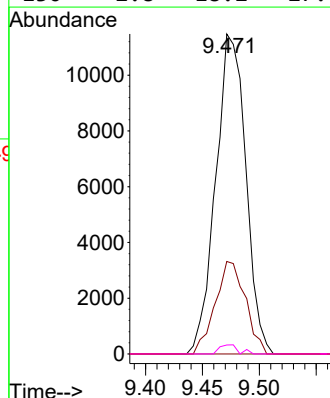
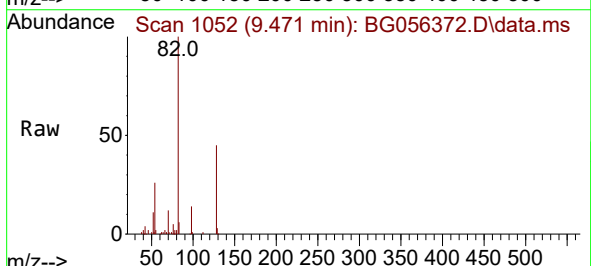
Instrument :
BNA_G
ClientSampleId :
B-P-19A

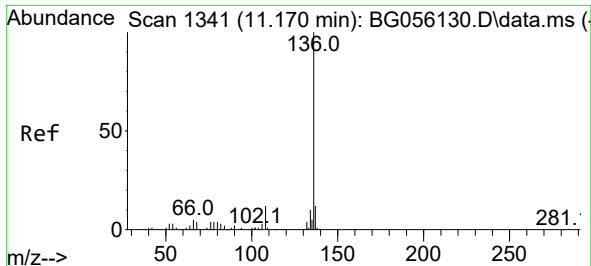
Tgt Ion: 99 Resp: 331824
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 29.7 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.935 ng
RT: 9.471 min Scan# 1052
Delta R.T. 0.360 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion: 70 Resp: 21099
Ion Ratio Lower Upper
70 100
42 28.9 18.2 27.2#
101 0.0 8.3 12.5#
130 2.8 18.2 27.4#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

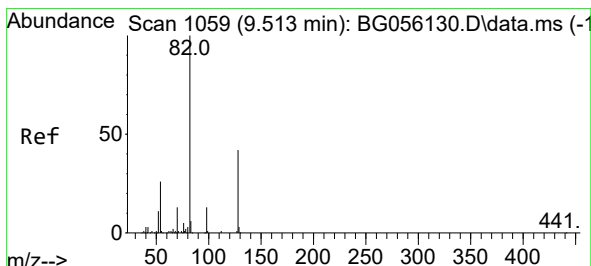
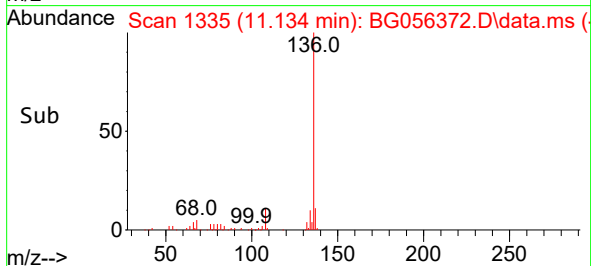
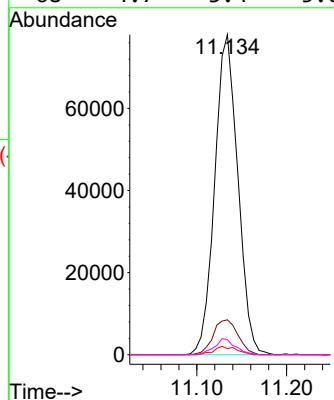
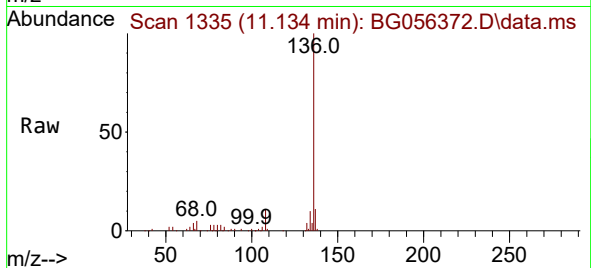
Instrument :

BNA_G

ClientSampleId :

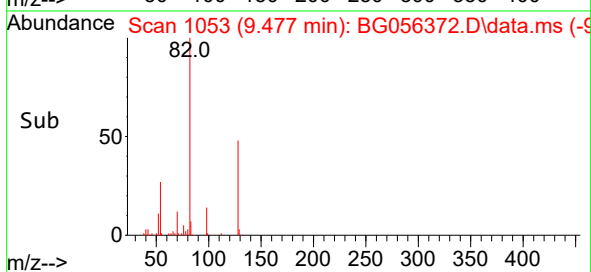
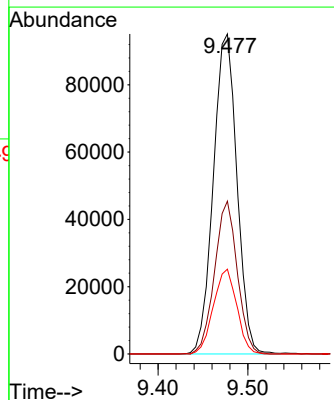
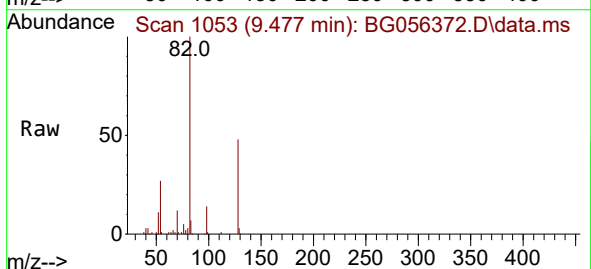
B-P-19A

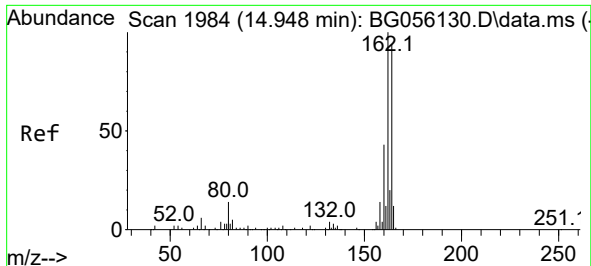
Tgt Ion:136 Resp: 139086
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 1.9 2.2 3.2#
68 4.7 3.4 5.0



#23
Nitrobenzene-d5
Concen: 63.859 ng
RT: 9.477 min Scan# 1053
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion: 82 Resp: 173640
Ion Ratio Lower Upper
82 100
128 47.7 33.4 50.2
54 26.5 20.3 30.5

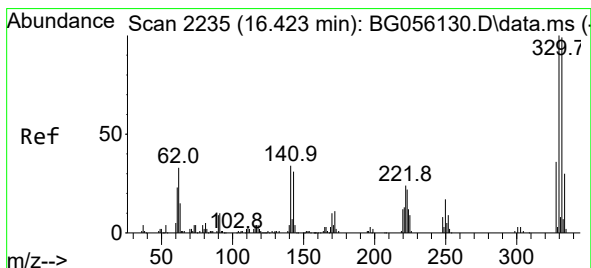
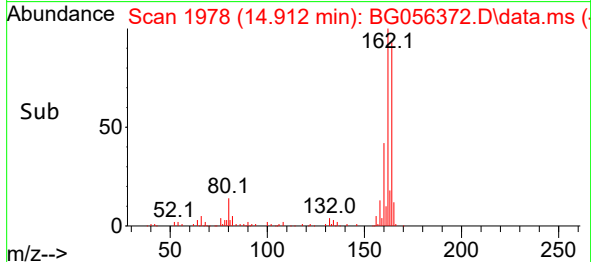
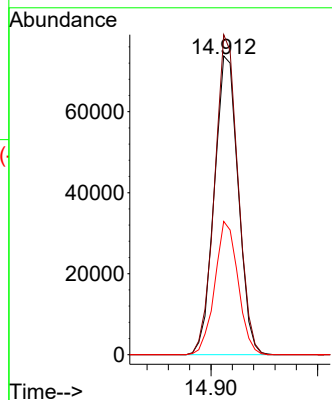
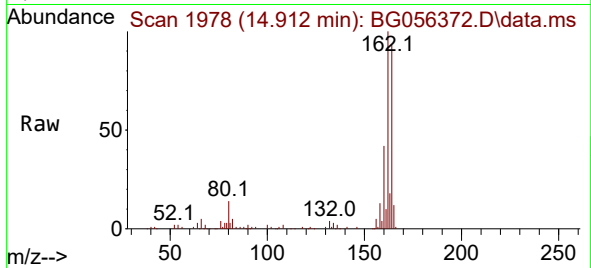




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.912 min Scan# 1984
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

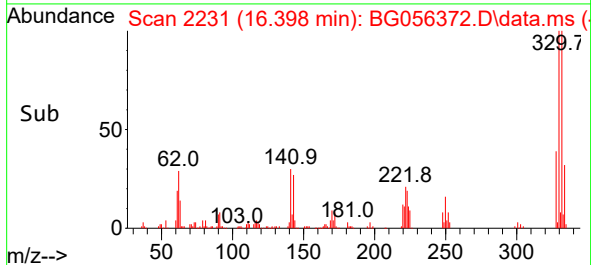
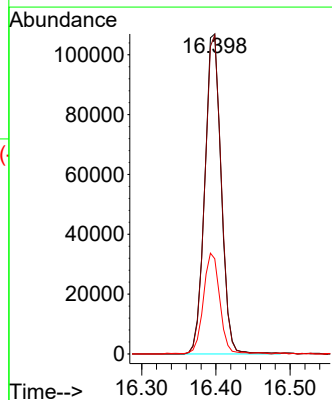
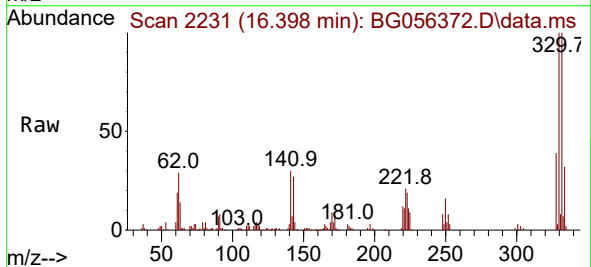
Instrument :
BNA_G
ClientSampleId :
B-P-19A

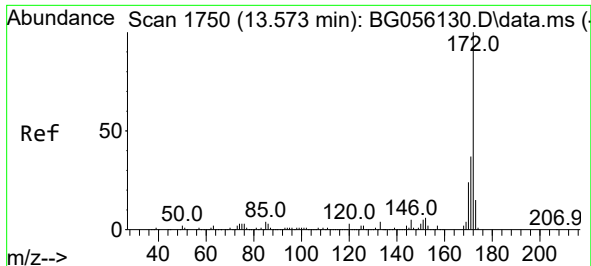
Tgt Ion:164 Resp: 114800
Ion Ratio Lower Upper
164 100
162 107.1 84.7 127.1
160 44.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 112.962 ng
RT: 16.398 min Scan# 2231
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:330 Resp: 164238
Ion Ratio Lower Upper
330 100
332 99.0 77.3 115.9
141 31.7 27.9 41.9

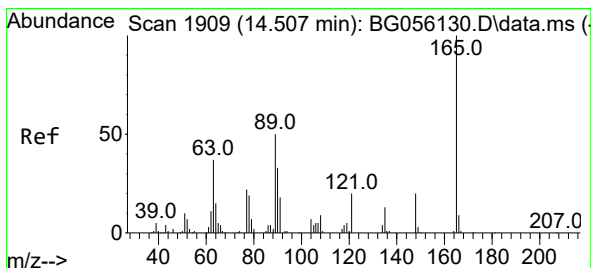
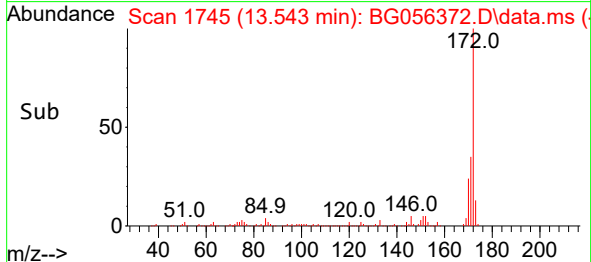
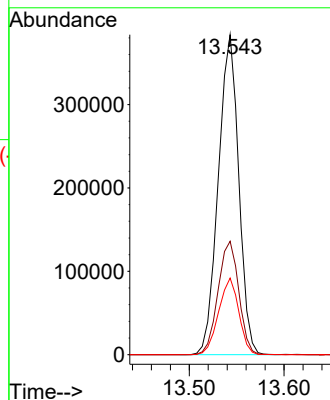
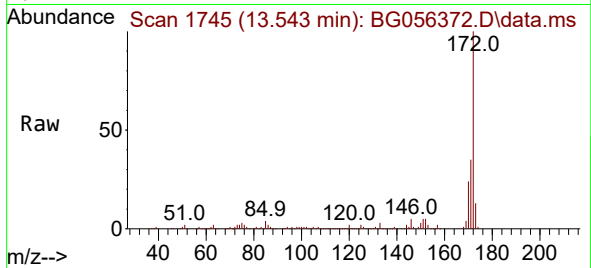




#45
2-Fluorobiphenyl
Concen: 69.118 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

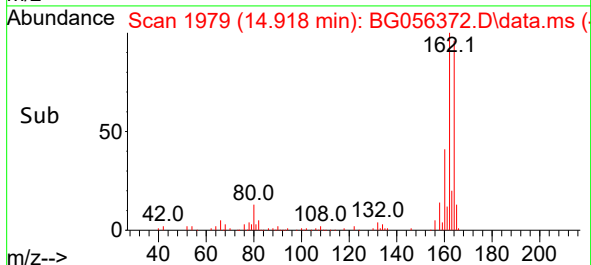
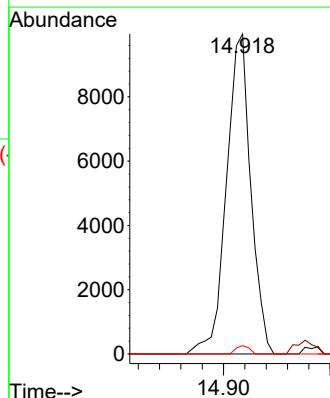
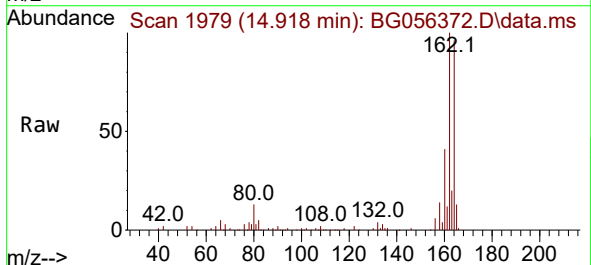
Instrument :
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B-P-19A

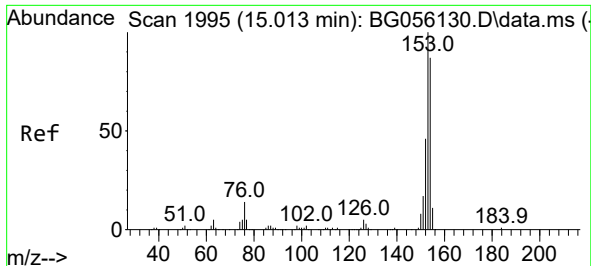
Tgt Ion:172 Resp: 574610
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 24.0 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 8.006 ng
RT: 14.918 min Scan# 1979
Delta R.T. 0.431 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:165 Resp: 15809
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 2.6 39.8 59.8#

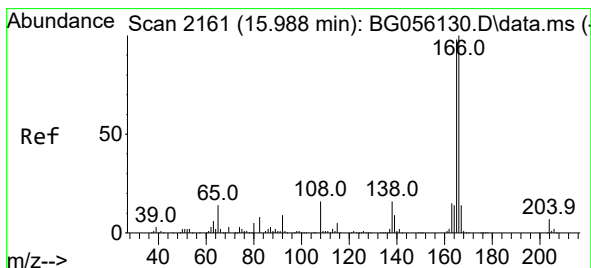
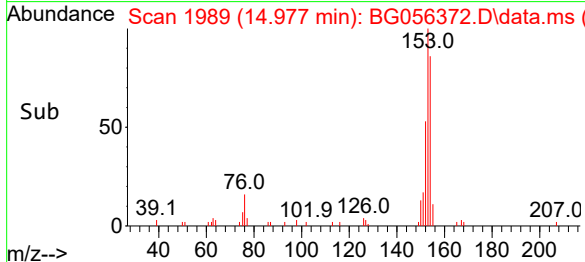
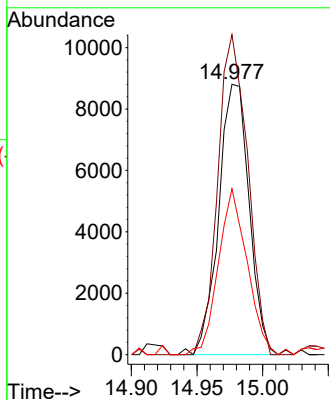
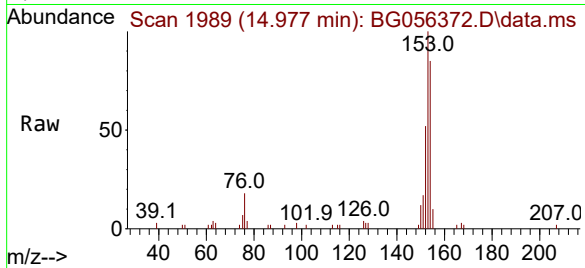




#52
Acenaphthene
Concen: 2.068 ng
RT: 14.977 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

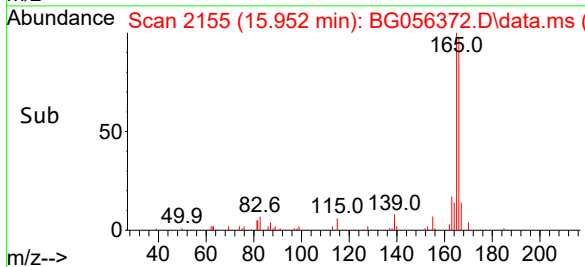
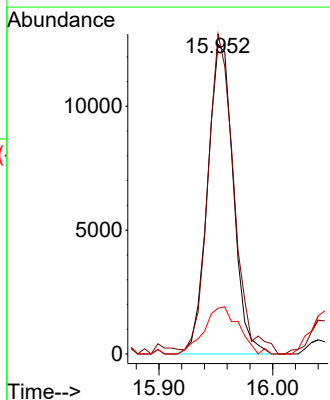
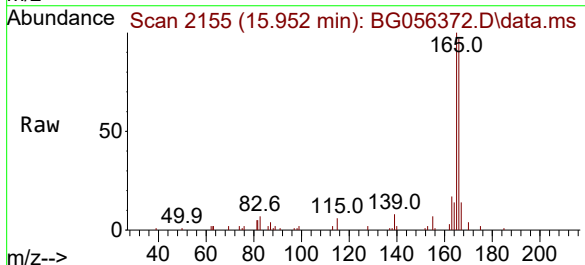
Instrument :
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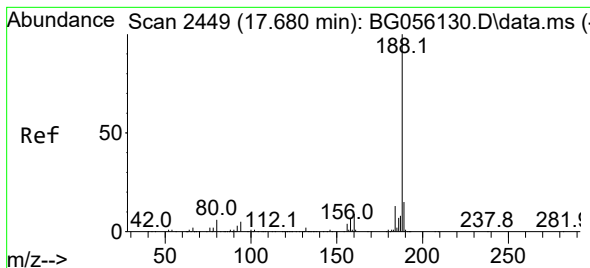
Tgt Ion:154 Resp: 14207
Ion Ratio Lower Upper
154 100
153 118.3 92.0 138.0
152 61.3 42.5 63.7



#58
Fluorene
Concen: 2.159 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:166 Resp: 19733
Ion Ratio Lower Upper
166 100
165 103.3 78.6 118.0
167 14.8 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.650 min Scan# 2449

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

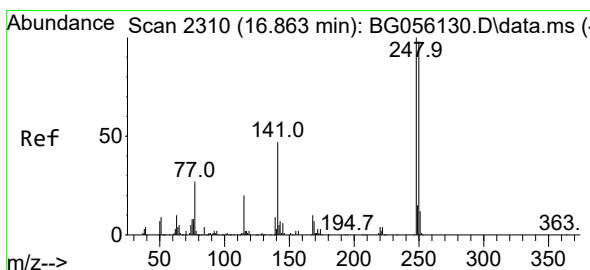
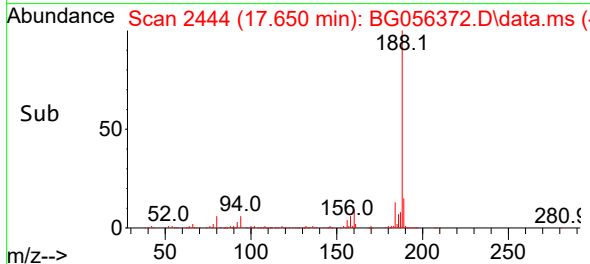
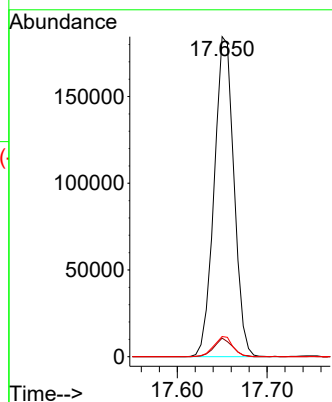
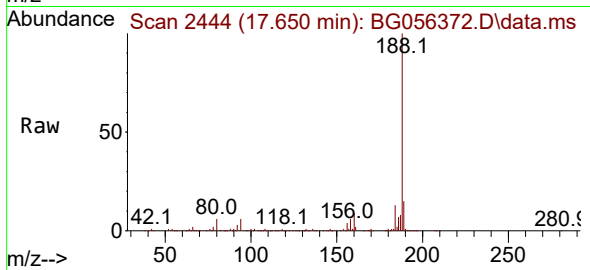
Tgt Ion:188 Resp: 281635

Ion Ratio Lower Upper

188 100

94 5.8 4.2 6.2

80 6.3 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 3.715 ng

RT: 16.398 min Scan# 2231

Delta R.T. -0.439 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

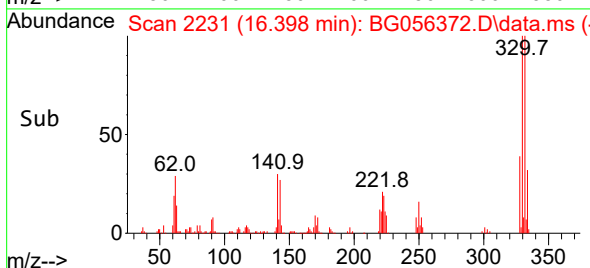
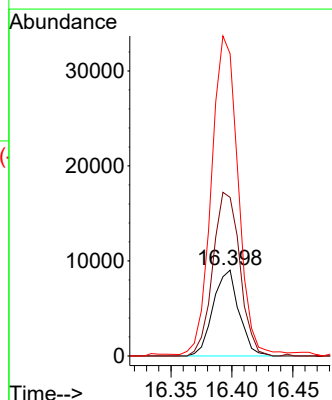
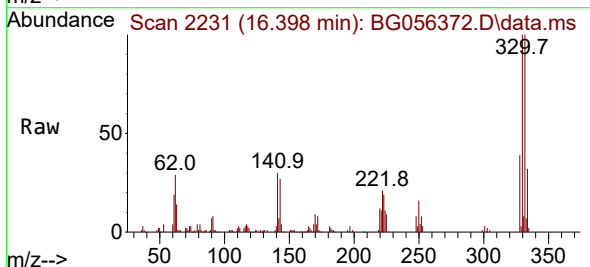
Tgt Ion:248 Resp: 13322

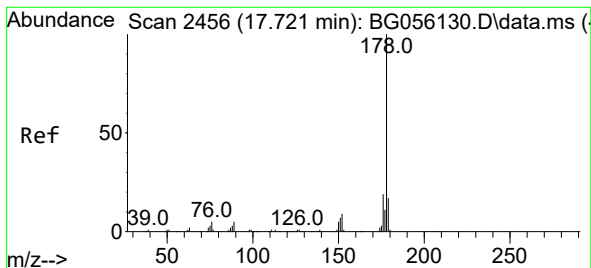
Ion Ratio Lower Upper

248 100

250 184.7 78.2 117.4#

141 352.0 37.6 56.4#





#71

Phenanthrene

Concen: 26.674 ng

RT: 17.691 min Scan# 2451

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

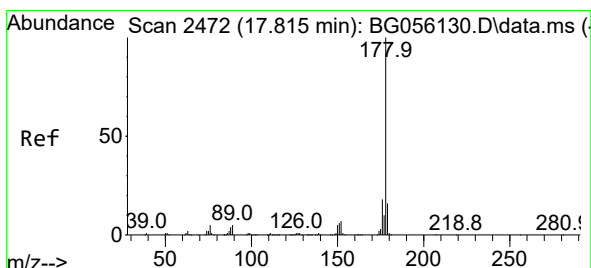
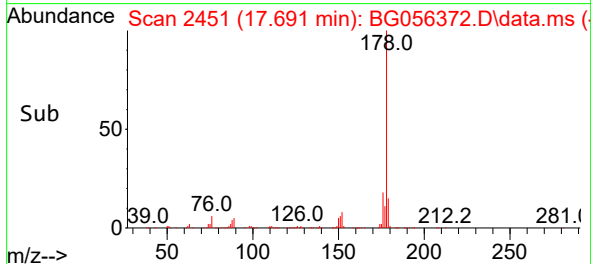
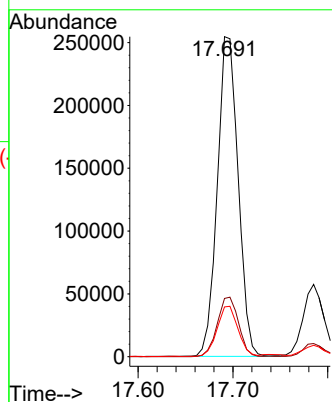
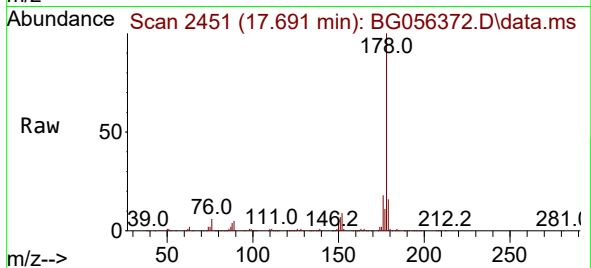
Tgt Ion:178 Resp: 389306

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 15.6 13.6 20.4



#72

Anthracene

Concen: 5.552 ng

RT: 17.785 min Scan# 2467

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

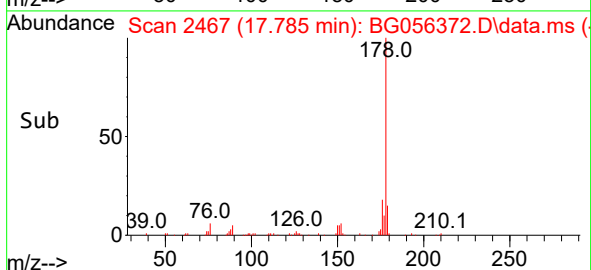
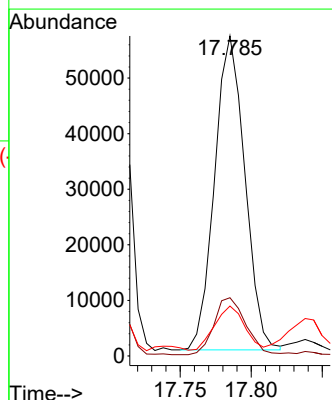
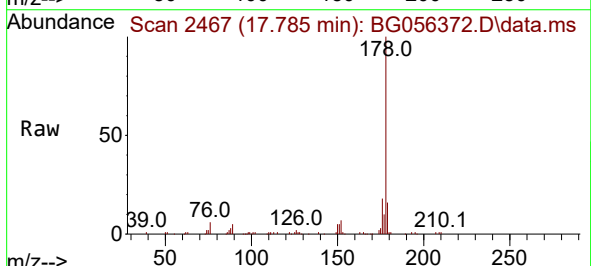
Tgt Ion:178 Resp: 83597

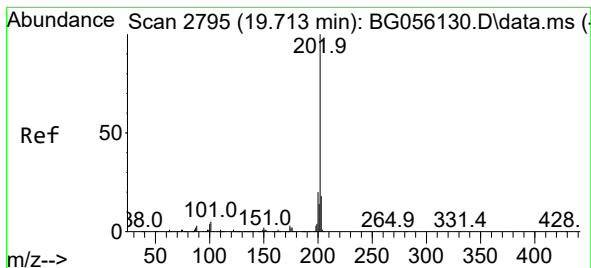
Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

179 15.6 12.7 19.1





#75

Fluoranthene

Concen: 20.904 ng

RT: 19.689 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

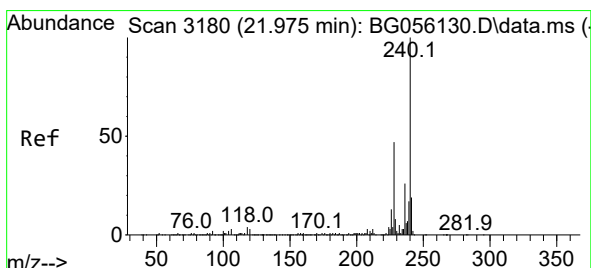
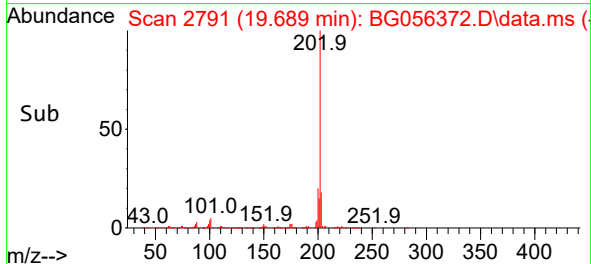
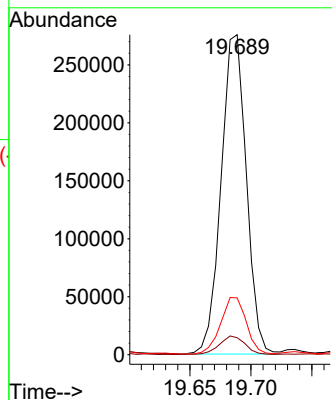
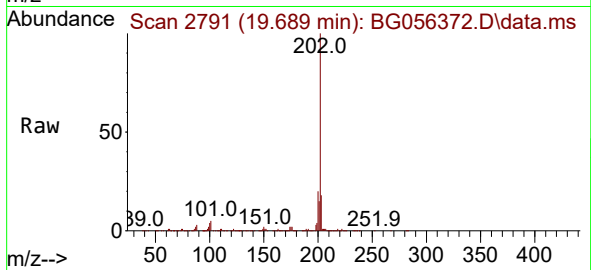
Tgt Ion:202 Resp: 397983

Ion Ratio Lower Upper

202 100

101 5.3 0.0 25.0

203 17.7 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.945 min Scan# 3175

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

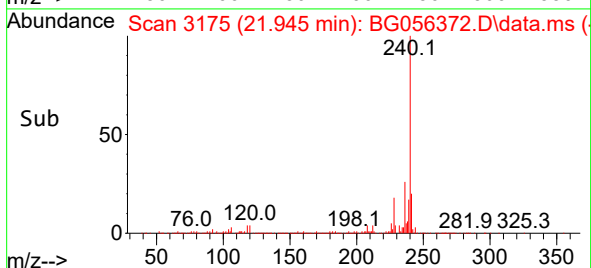
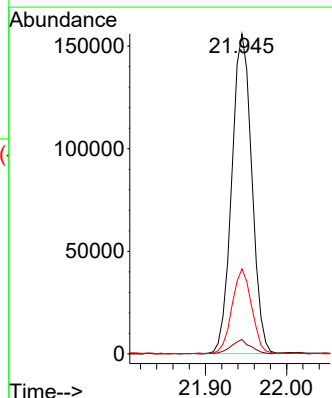
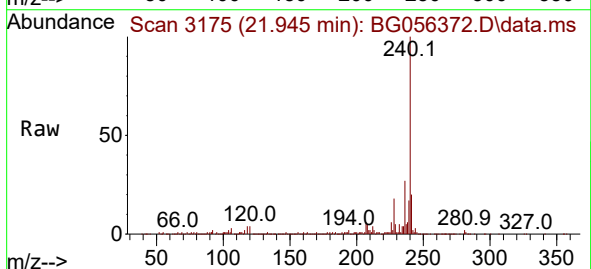
Tgt Ion:240 Resp: 266133

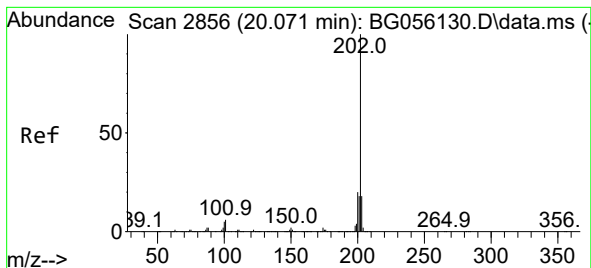
Ion Ratio Lower Upper

240 100

120 4.5 2.6 4.0#

236 26.6 20.8 31.2





#78

Pyrene

Concen: 32.757 ng

RT: 20.047 min Scan# 2

Delta R.T. -0.004 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

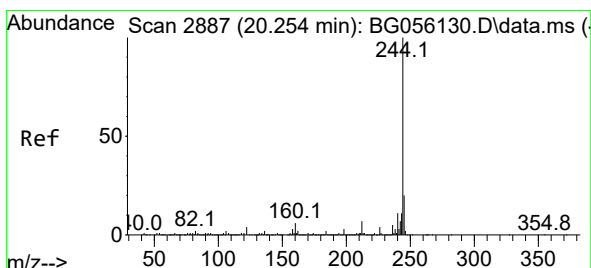
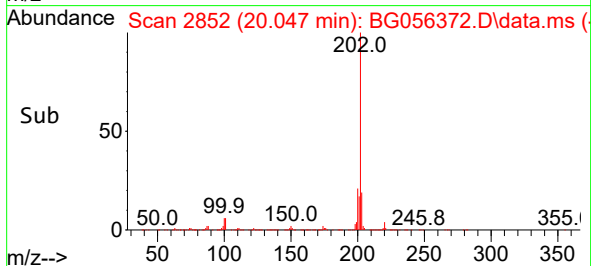
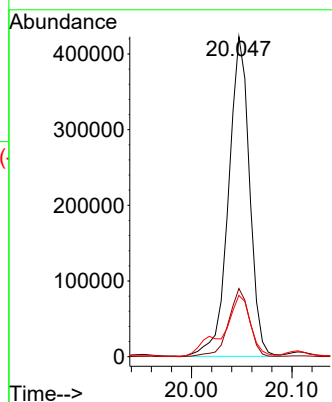
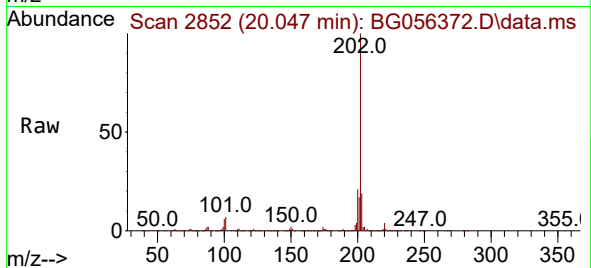
Tgt Ion:202 Resp: 614463

Ion Ratio Lower Upper

202 100

200 21.3 16.4 24.6

203 19.2 14.3 21.5



#79

Terphenyl-d14

Concen: 70.190 ng

RT: 20.229 min Scan# 2883

Delta R.T. -0.004 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

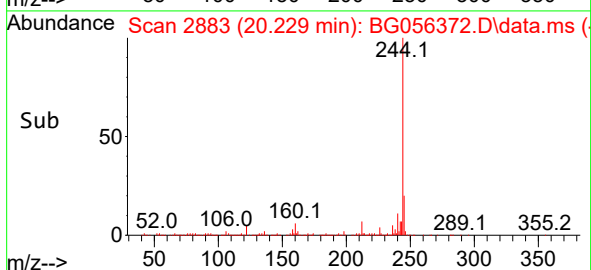
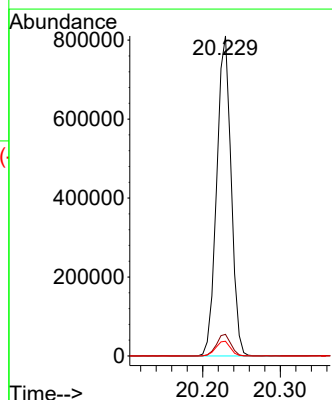
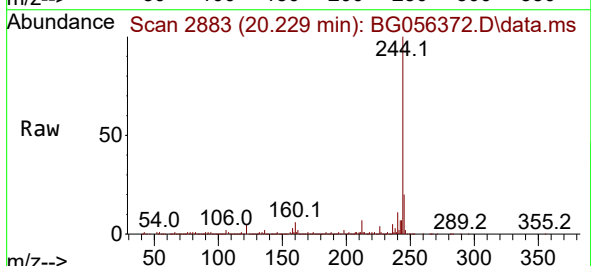
Tgt Ion:244 Resp: 1042959

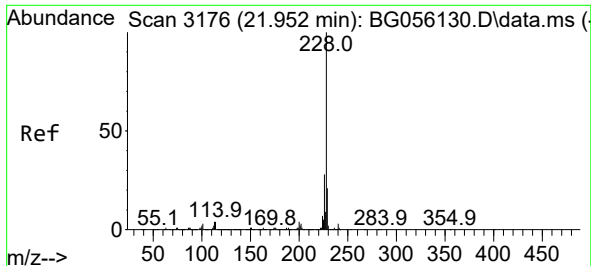
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 4.6 3.5 5.3

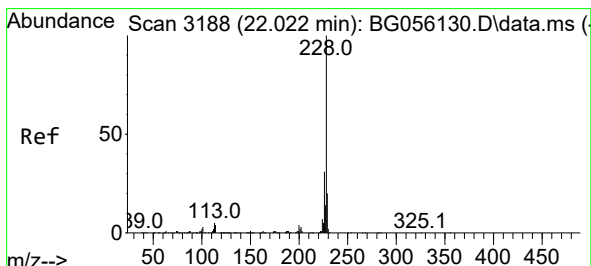
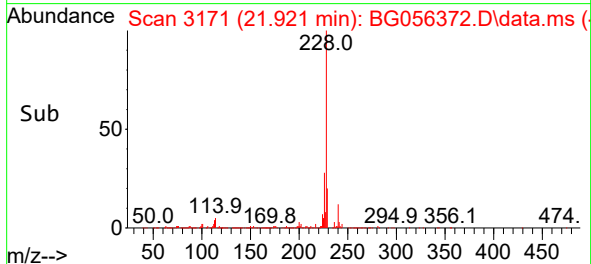
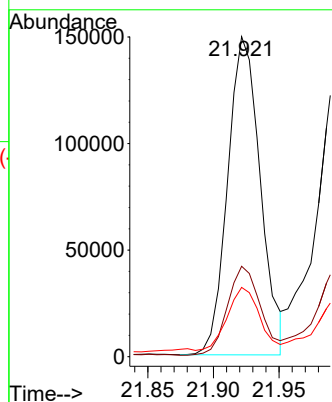
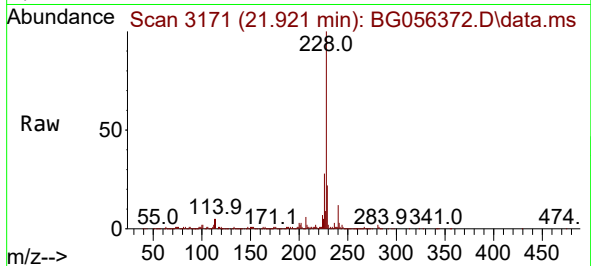




#81
Benzo(a)anthracene
Concen: 13.850 ng
RT: 21.921 min Scan# 3176
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

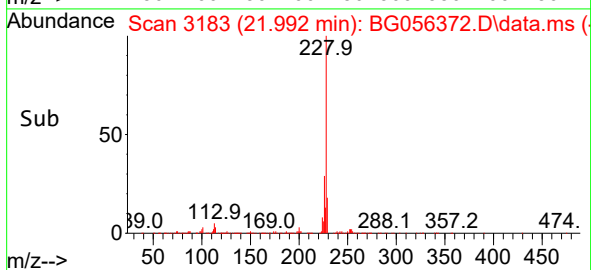
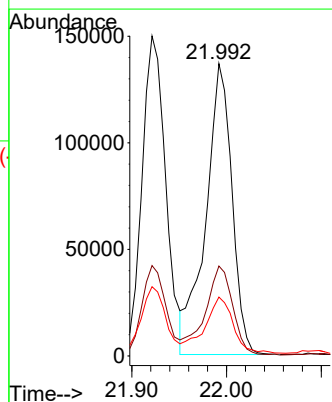
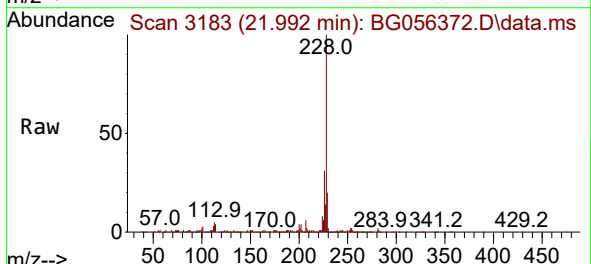
Instrument :
BNA_G
ClientSampleId :
B-P-19A

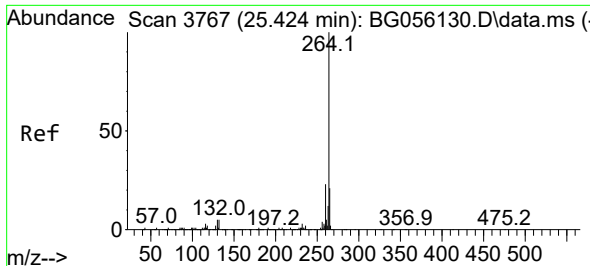
Tgt Ion:228 Resp: 258895
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 21.7 16.9 25.3



#83
Chrysene
Concen: 14.984 ng
RT: 21.992 min Scan# 3183
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:228 Resp: 262360
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 20.1 15.8 23.6

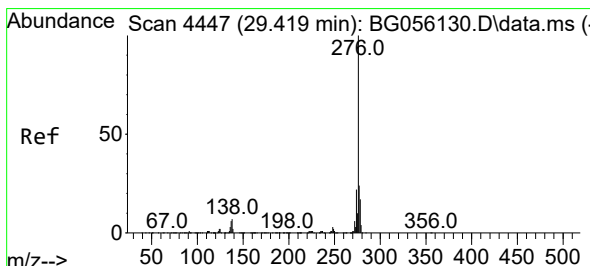
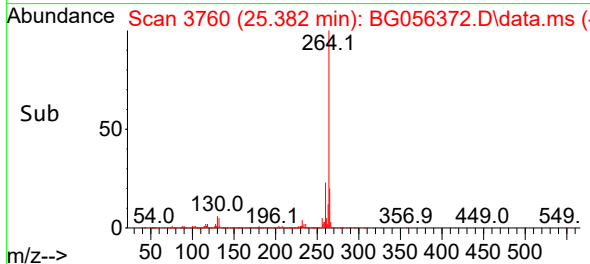
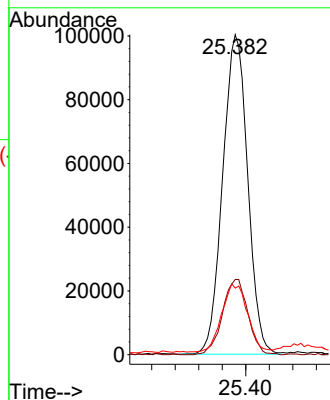
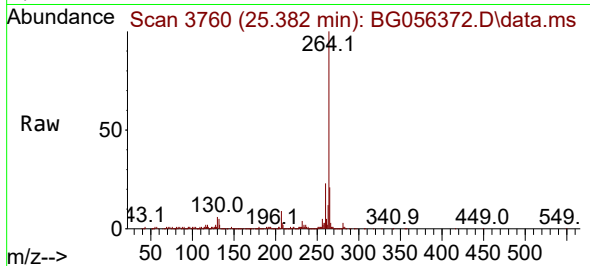




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.382 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

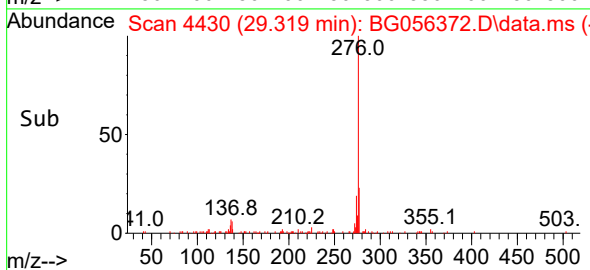
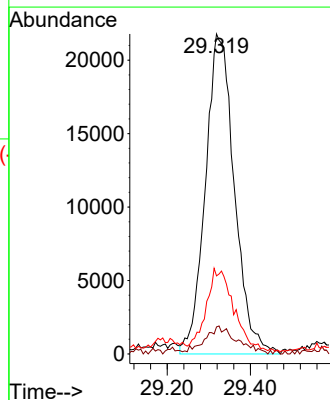
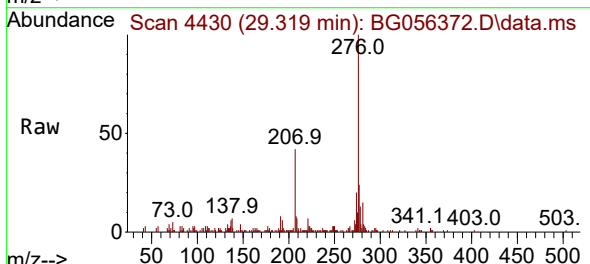
Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A

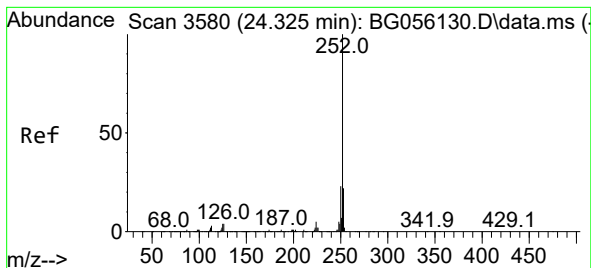
Tgt Ion:264 Resp: 294871
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 20.8 16.7 25.1



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.921 ng
 RT: 29.319 min Scan# 4430
 Delta R.T. -0.039 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

Tgt Ion:276 Resp: 105537
 Ion Ratio Lower Upper
 276 100
 138 9.6 5.0 7.4#
 277 24.2 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 10.397 ng

RT: 24.283 min Scan# 3573

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

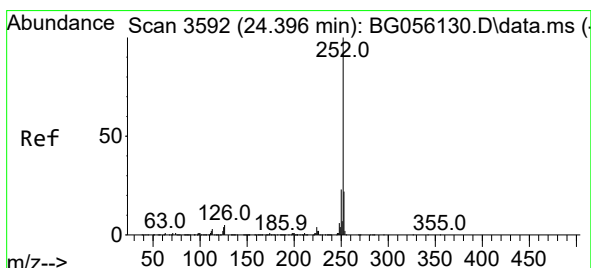
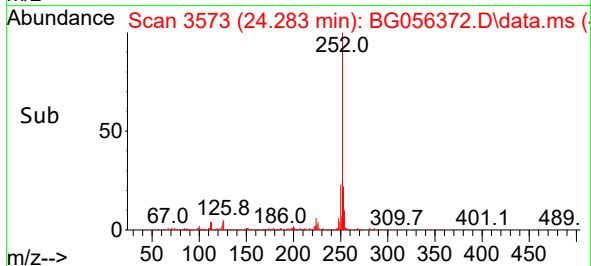
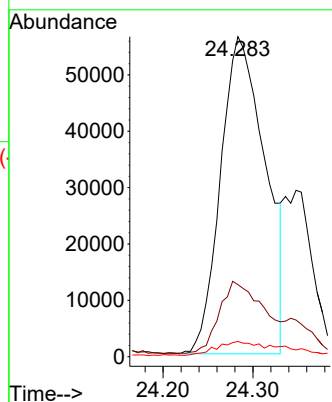
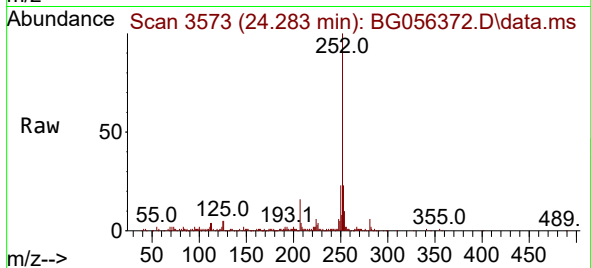
Tgt Ion:252 Resp: 194788

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 4.7 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 10.441 ng

RT: 24.283 min Scan# 3573

Delta R.T. -0.086 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

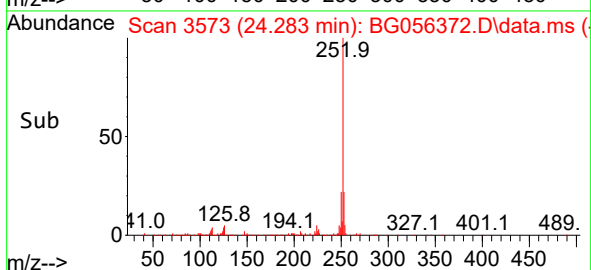
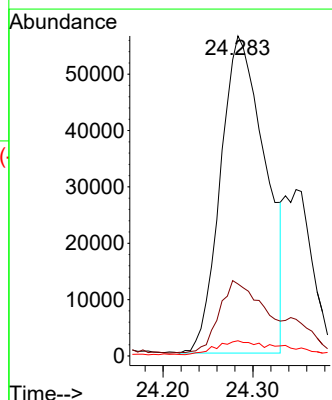
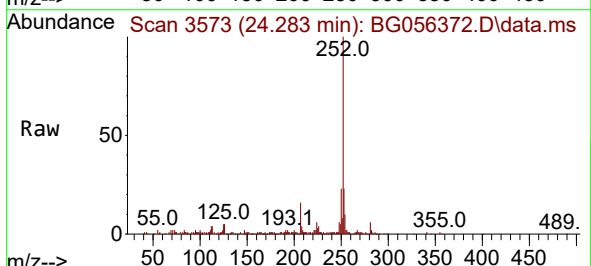
Tgt Ion:252 Resp: 194788

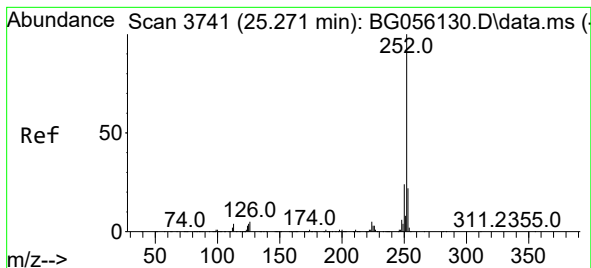
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 4.7 3.4 5.0





#90

Benzo(a)pyrene

Concen: 10.481 ng

RT: 25.218 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

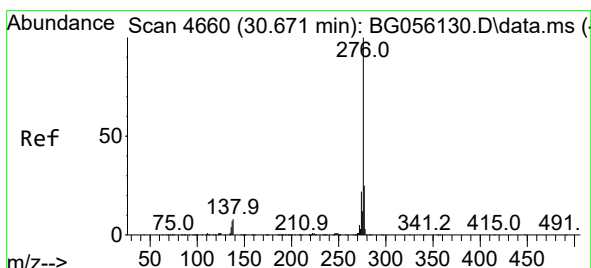
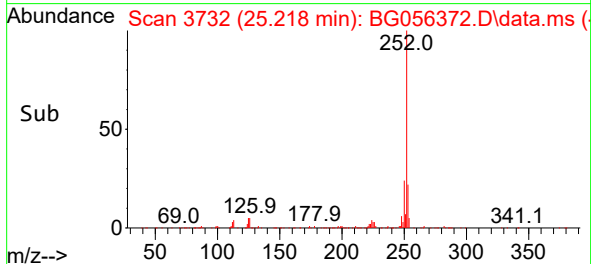
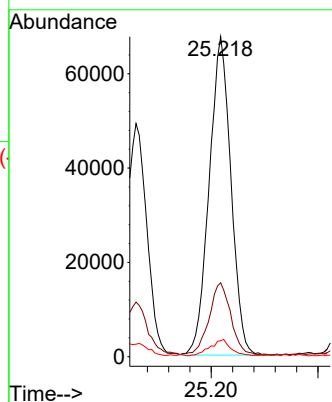
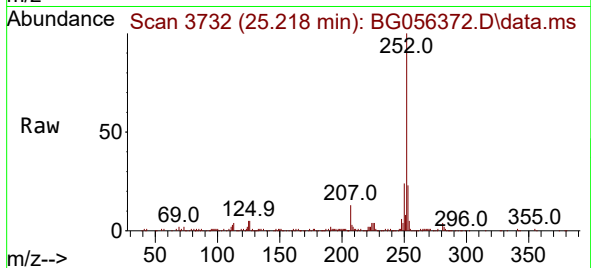
Tgt Ion:252 Resp: 191520

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 5.0 3.2 4.8#



#92

Benzo(g,h,i)perylene

Concen: 6.701 ng

RT: 30.570 min Scan# 4643

Delta R.T. -0.027 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Tgt Ion:276 Resp: 116828

Ion Ratio Lower Upper

276 100

277 24.2 19.7 29.5

138 9.3 6.7 10.1

