

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056360.D
 Acq On : 19 Jan 2023 23:55
 Operator : CG/JU
 Sample : 01172-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Quant Time: Jan 20 01:38:27 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)

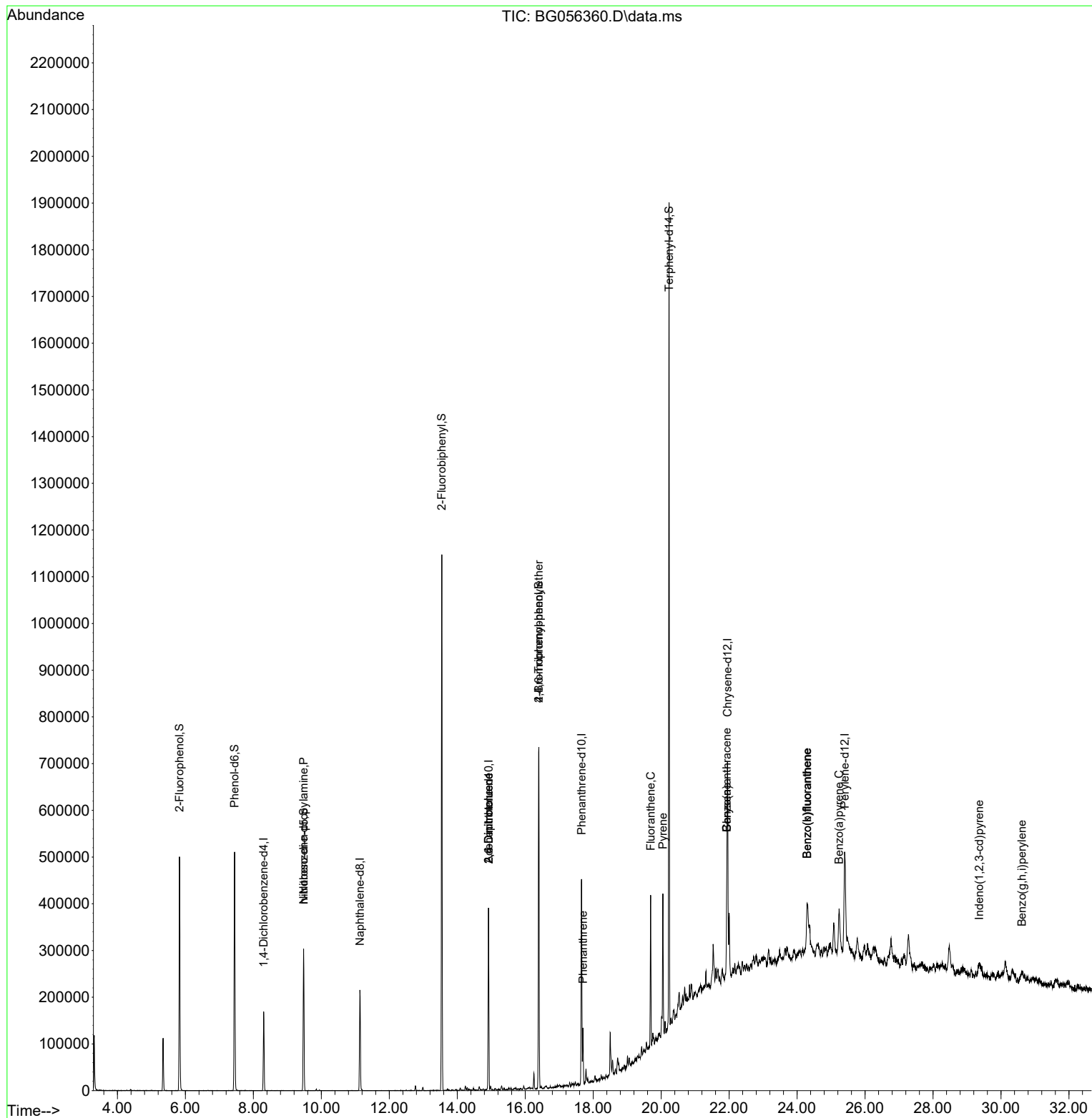
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	56664	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	206909	20.000	ng	0.00
39) Acenaphthene-d10	14.921	164	145729	20.000	ng	0.00
64) Phenanthrene-d10	17.659	188	325684	20.000	ng	0.00
76) Chrysene-d12	21.954	240	290841	20.000	ng	0.00
86) Perylene-d12	25.403	264	295945	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	295961	93.258	ng	0.00
7) Phenol-d6	7.447	99	406641	83.436	ng	0.00
23) Nitrobenzene-d5	9.480	82	215305	53.227	ng	0.00
42) 2,4,6-Tribromophenol	16.401	330	162224	87.896	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	640735	60.715	ng	0.00
79) Terphenyl-d14	20.232	244	926006	57.025	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.480	70	27229	9.188	ng	# 76
51) 2,6-Dinitrotoluene	14.921	165	19441	7.756	ng	# 32
57) 2,4-Dinitrotoluene	14.921	165	19441	5.546	ng	# 29
67) 4-Bromophenyl-phenylether	16.401	248	12937	3.119	ng	# 1
71) Phenanthrene	17.700	178	83544	4.950	ng	98
75) Fluoranthene	19.692	202	224937	10.217	ng	99
78) Pyrene	20.050	202	210624	10.274	ng	98
81) Benzo(a)anthracene	21.930	228	123875	6.064	ng	97
83) Chrysene	21.930	228	123875	6.474	ng	93
87) Indeno(1,2,3-cd)pyrene	29.363	276	69311	3.220	ng	# 78
88) Benzo(b)fluoranthene	24.298	252	176929	9.409	ng	# 90
89) Benzo(k)fluoranthene	24.298	252	176929	9.449	ng	# 90
90) Benzo(a)pyrene	25.238	252	119117	6.495	ng	# 94
92) Benzo(g,h,i)perylene	30.614	276	67470	3.856	ng	# 93

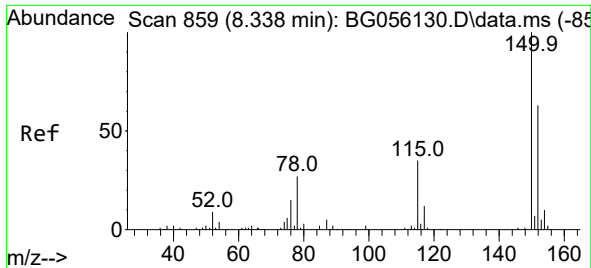
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 19 00:31:30 2023
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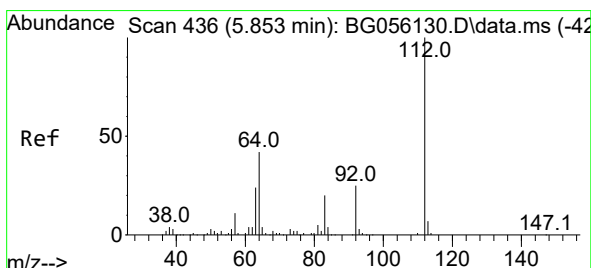
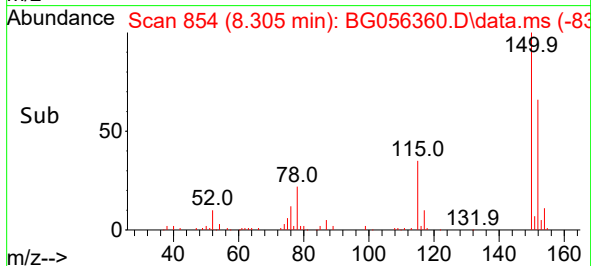
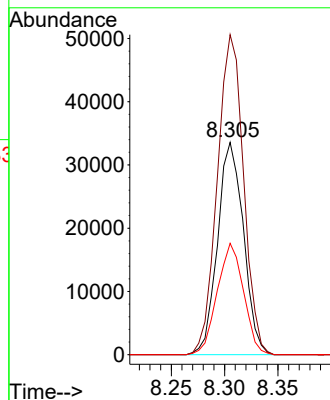
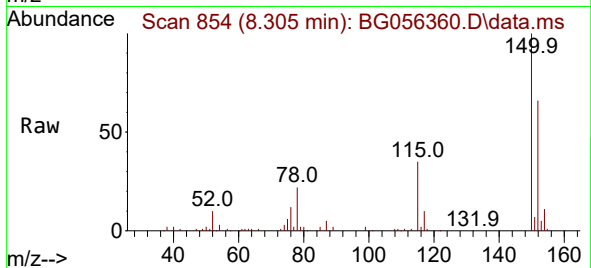




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.305 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

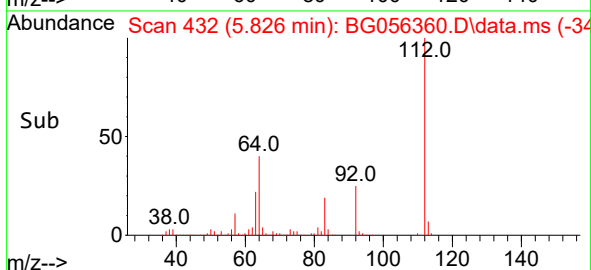
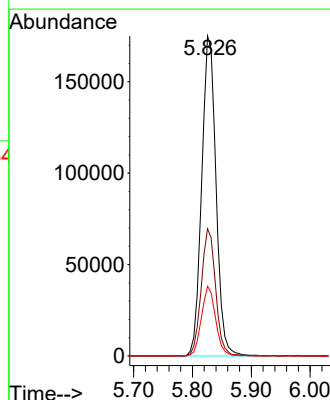
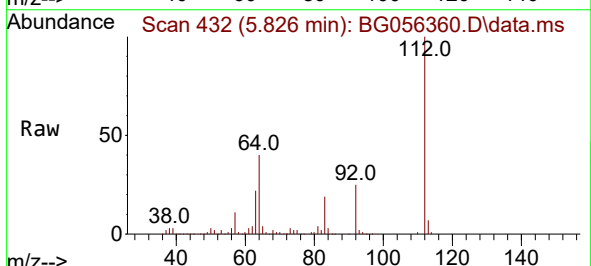
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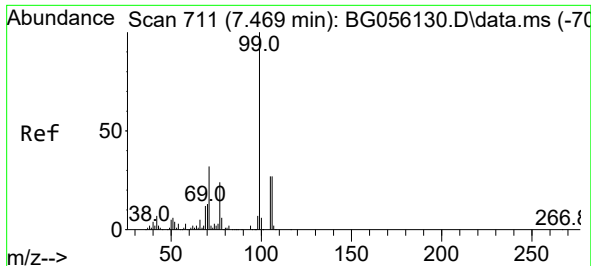
Tgt Ion:152 Resp: 56664
Ion Ratio Lower Upper
152 100
150 150.7 127.9 191.9
115 52.4 44.2 66.2



#5
2-Fluorophenol
Concen: 93.258 ng
RT: 5.826 min Scan# 432
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:112 Resp: 295961
Ion Ratio Lower Upper
112 100
64 39.8 33.3 49.9
63 21.8 19.0 28.4

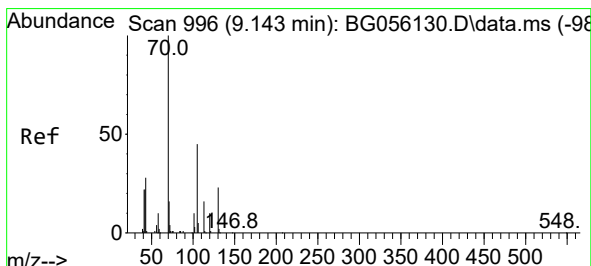
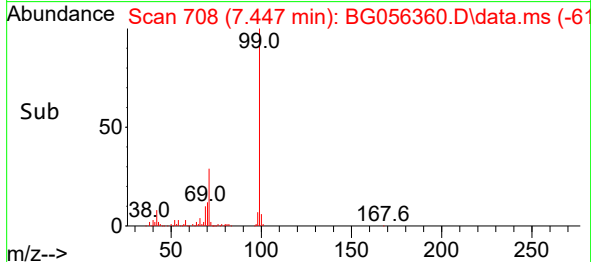
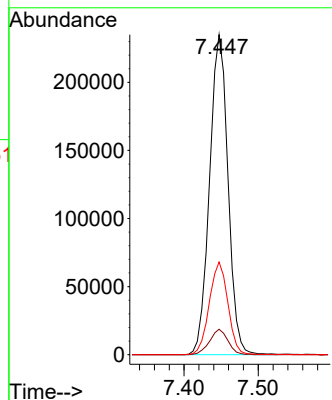
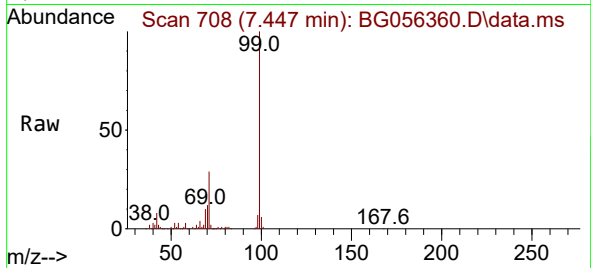




#7
Phenol-d6
Concen: 83.436 ng
RT: 7.447 min Scan# 711
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

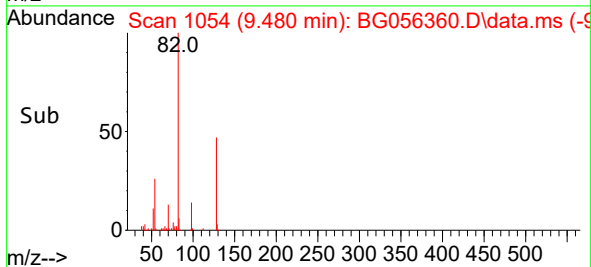
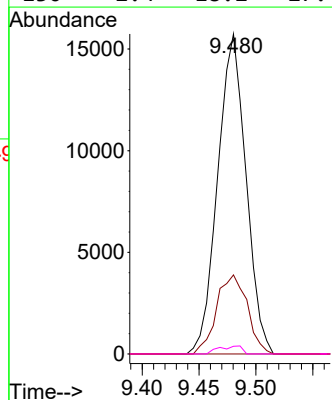
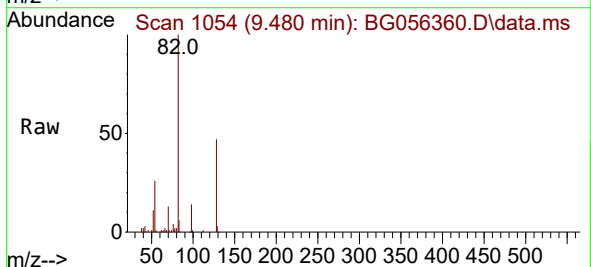
Instrument :
BNA_G
ClientSampleId :
TP-F

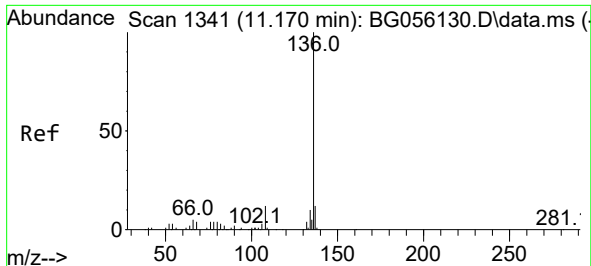
Tgt Ion: 99 Resp: 406641
Ion Ratio Lower Upper
99 100
42 8.0 5.9 8.9
71 29.0 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.188 ng
RT: 9.480 min Scan# 1054
Delta R.T. 0.369 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion: 70 Resp: 27229
Ion Ratio Lower Upper
70 100
42 24.7 18.2 27.2
101 0.0 8.3 12.5#
130 2.4 18.2 27.4#

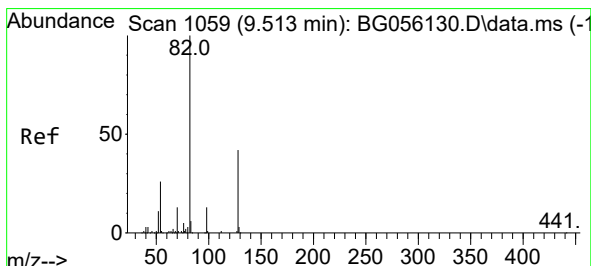
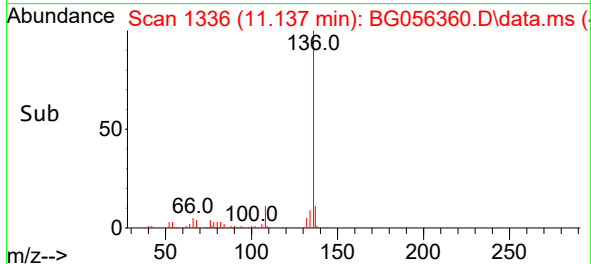
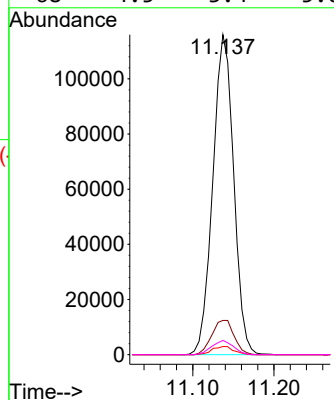
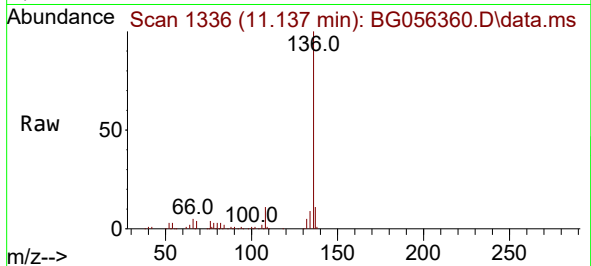




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

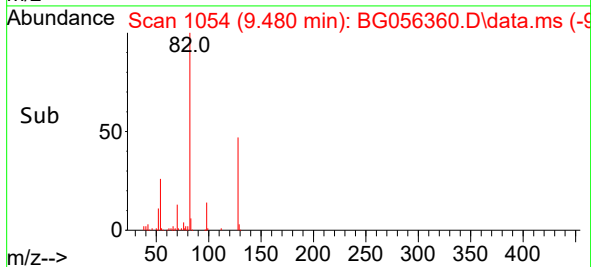
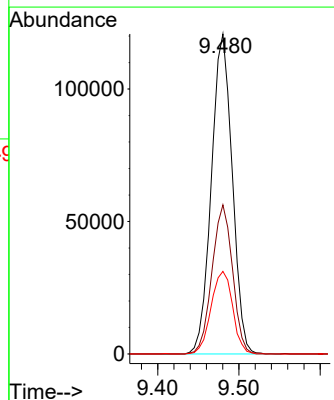
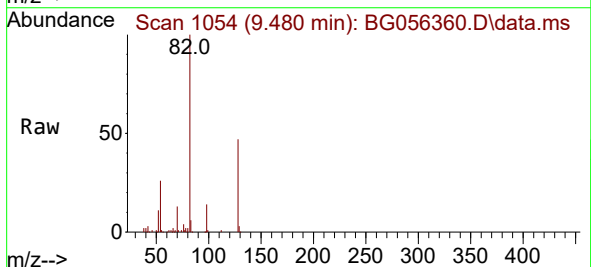
Instrument :
BNA_G
ClientSampleId :
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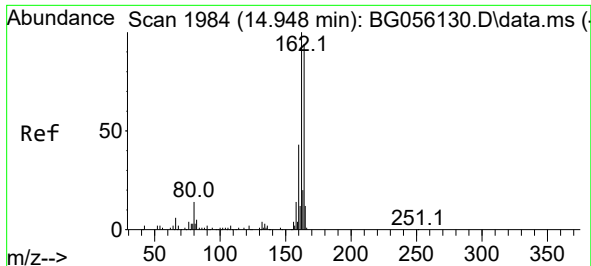
Tgt Ion:136 Resp: 206909
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.5 2.2 3.2
68 4.5 3.4 5.0



#23
Nitrobenzene-d5
Concen: 53.227 ng
RT: 9.480 min Scan# 1054
Delta R.T. -0.007 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion: 82 Resp: 215305
Ion Ratio Lower Upper
82 100
128 46.6 33.4 50.2
54 25.8 20.3 30.5

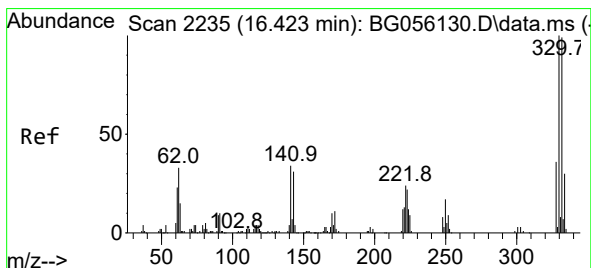
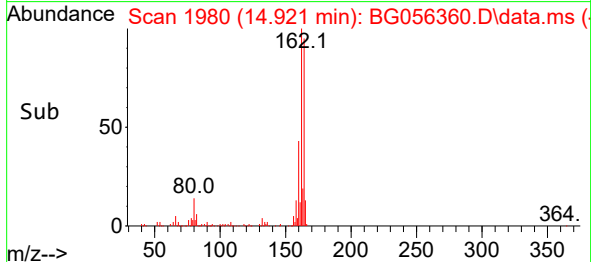
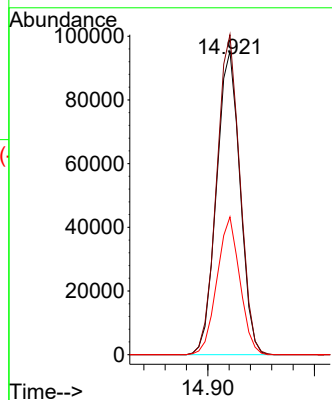
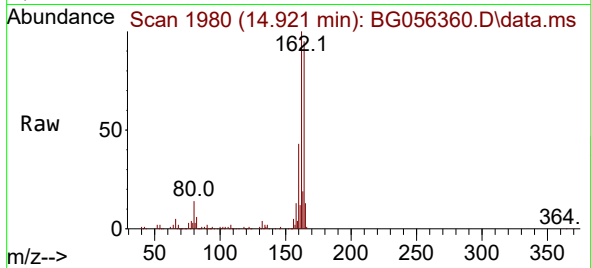




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

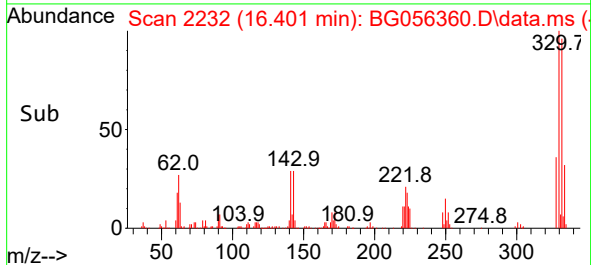
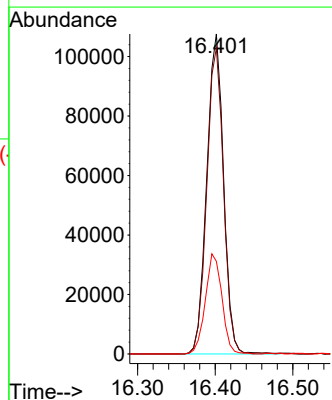
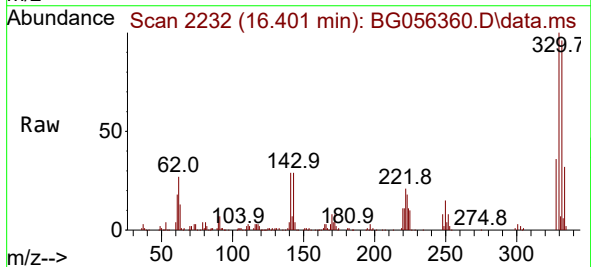
Instrument :
BNA_G
ClientSampleId :
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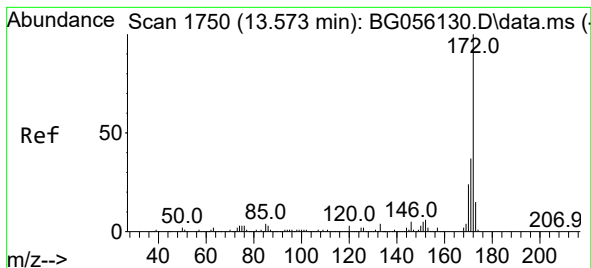
Tgt Ion:164 Resp: 145729
Ion Ratio Lower Upper
164 100
162 105.4 84.7 127.1
160 45.4 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 87.896 ng
RT: 16.401 min Scan# 2232
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:330 Resp: 162224
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 30.9 27.9 41.9

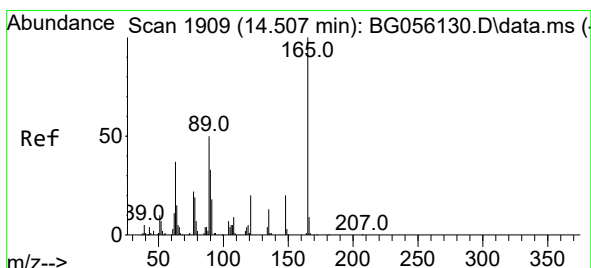
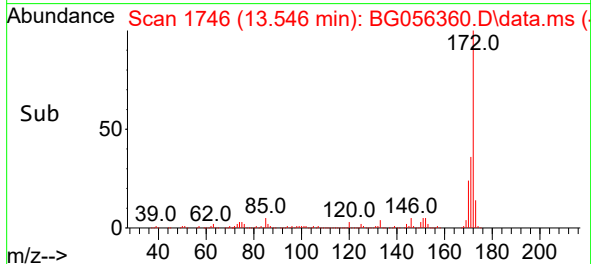
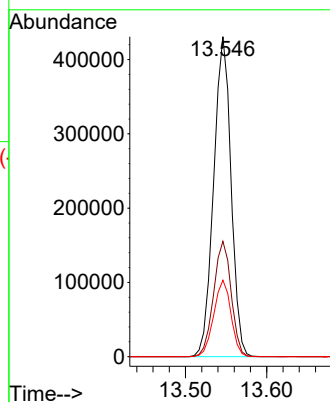
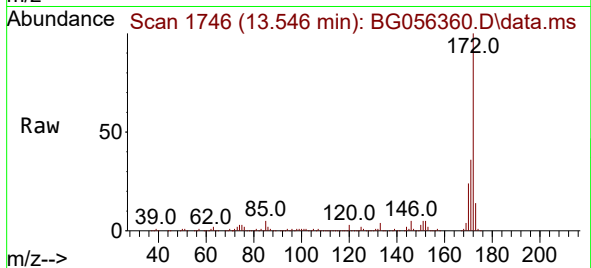




#45
2-Fluorobiphenyl
Concen: 60.715 ng
RT: 13.546 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

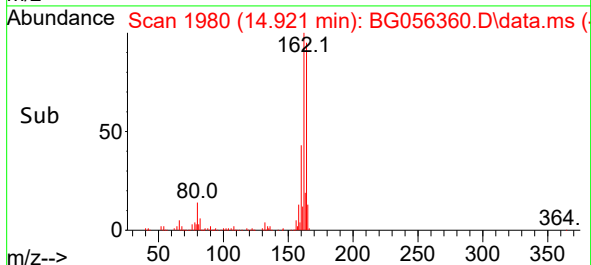
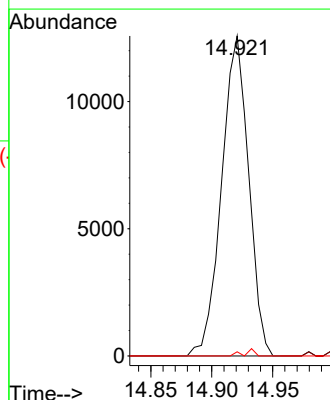
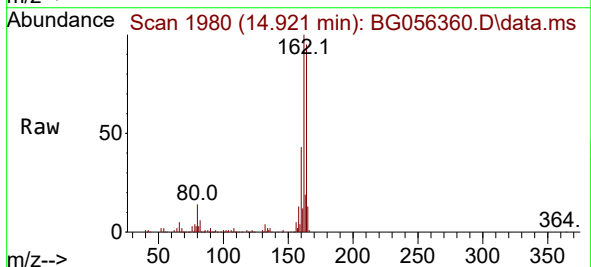
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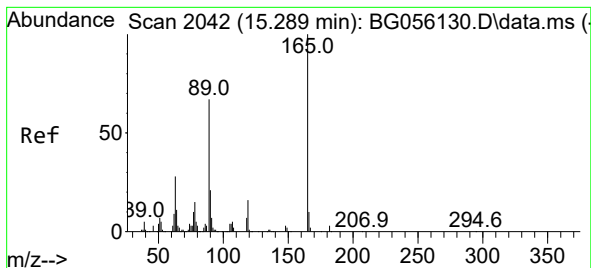
Tgt Ion:172 Resp: 640735
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.9 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.756 ng
RT: 14.921 min Scan# 1980
Delta R.T. 0.434 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:165 Resp: 19441
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.3 39.8 59.8#

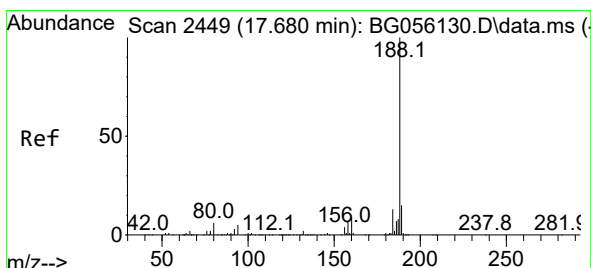
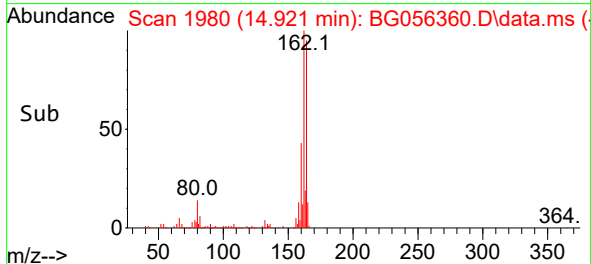
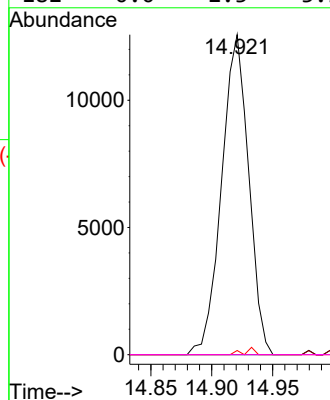
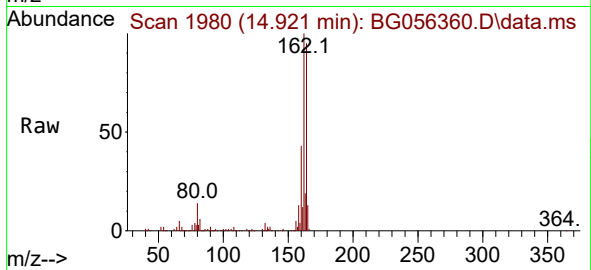




#57
2,4-Dinitrotoluene
Concen: 5.546 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.353 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

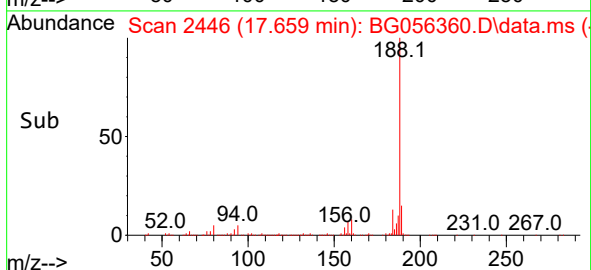
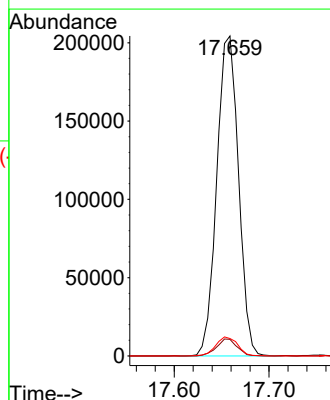
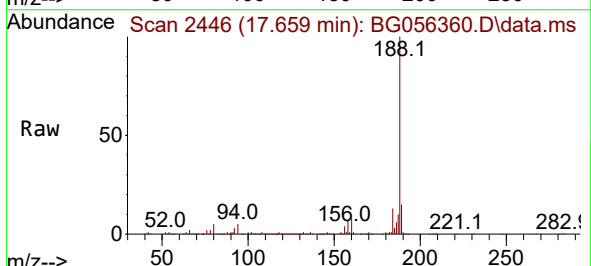
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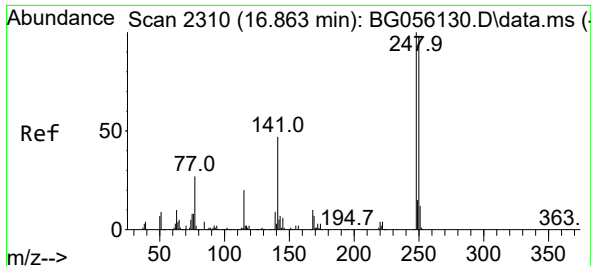
Tgt Ion:165 Resp: 19441
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.3 53.2 79.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:188 Resp: 325684
Ion Ratio Lower Upper
188 100
94 5.2 4.2 6.2
80 5.4 5.0 7.4

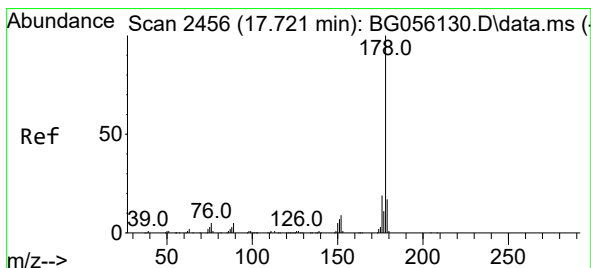
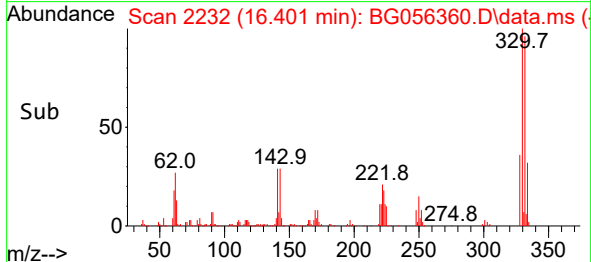
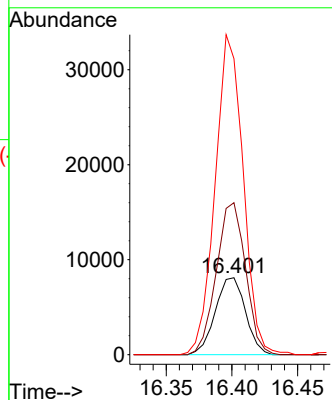
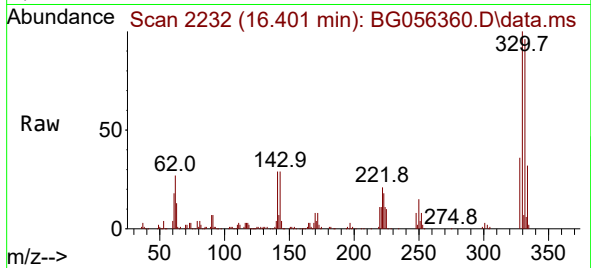




#67
4-Bromophenyl-phenylether
Concen: 3.119 ng
RT: 16.401 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

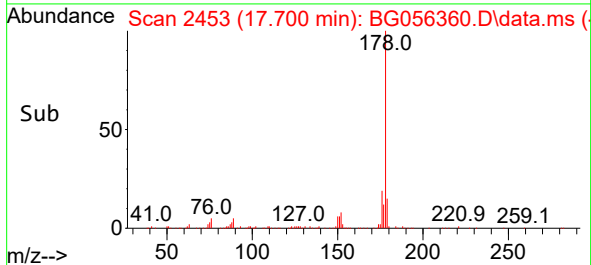
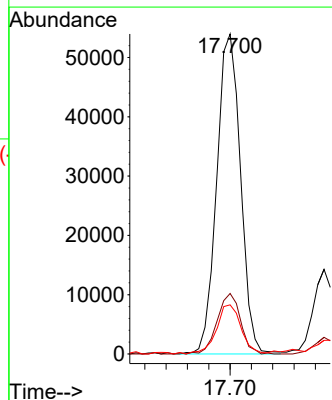
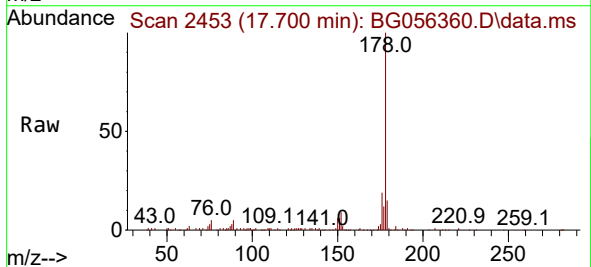
Instrument :
BNA_G
ClientSampleId :
TP-F

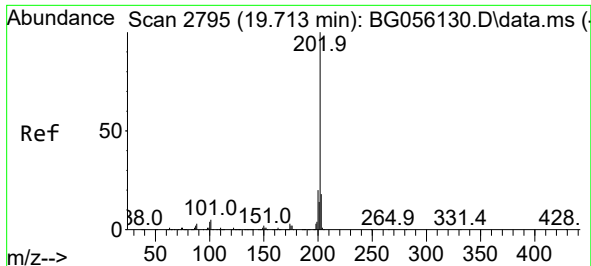
Tgt Ion:248 Resp: 12937
Ion Ratio Lower Upper
248 100
250 197.6 78.2 117.4#
141 384.9 37.6 56.4#



#71
Phenanthrene
Concen: 4.950 ng
RT: 17.700 min Scan# 2453
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:178 Resp: 83544
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 13.6 20.4

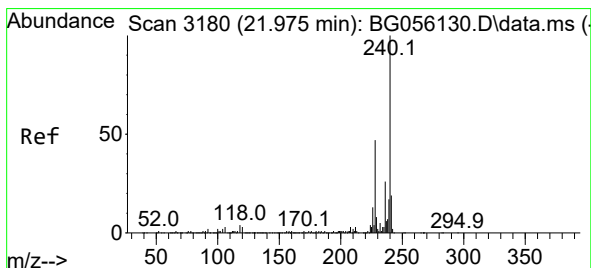
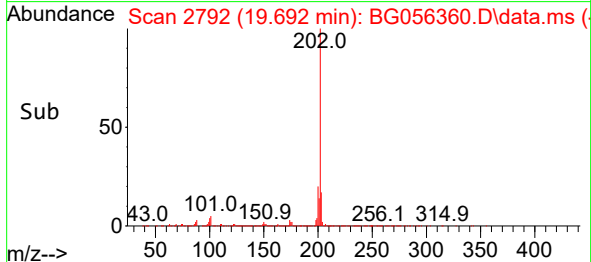
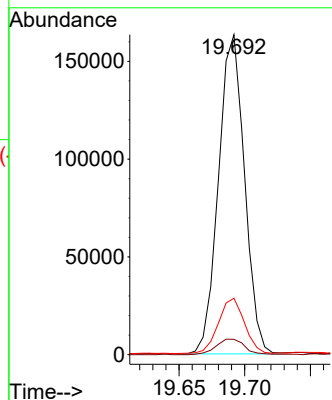
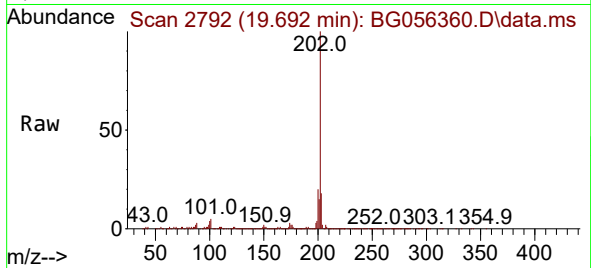




#75
Fluoranthene
Concen: 10.217 ng
RT: 19.692 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

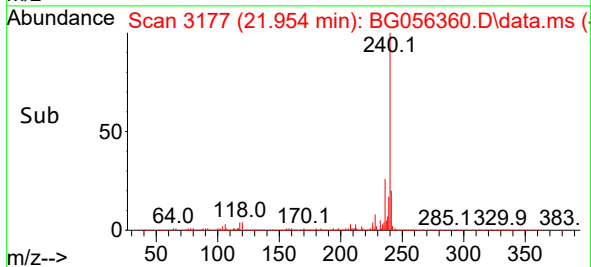
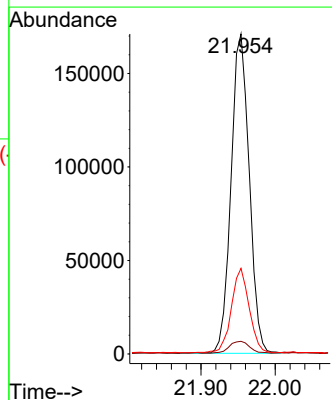
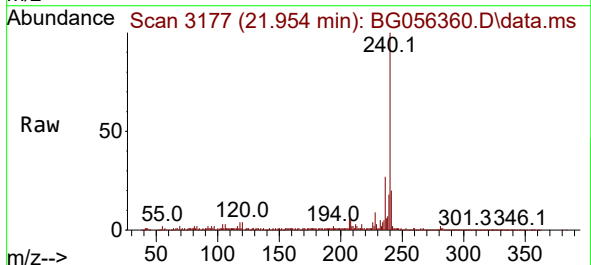
Instrument :
BNA_G
ClientSampleId :
TP-F

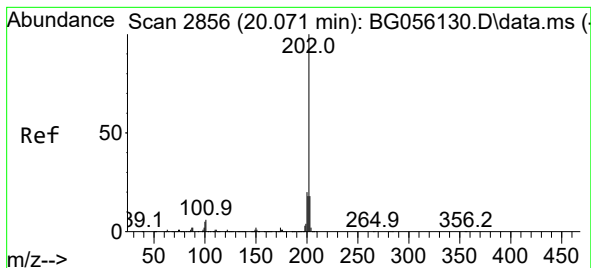
Tgt Ion:202 Resp: 224937
Ion Ratio Lower Upper
202 100
101 4.8 0.0 25.0
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:240 Resp: 290841
Ion Ratio Lower Upper
240 100
120 3.9 2.6 4.0
236 26.8 20.8 31.2





#78

Pyrene

Concen: 10.274 ng

RT: 20.050 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

Instrument :

BNA_G

ClientSampleId :

TP-F

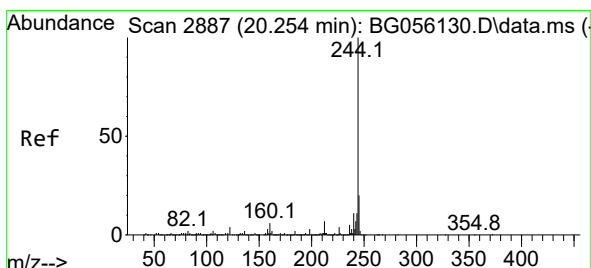
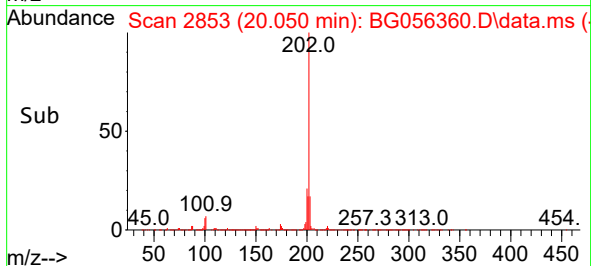
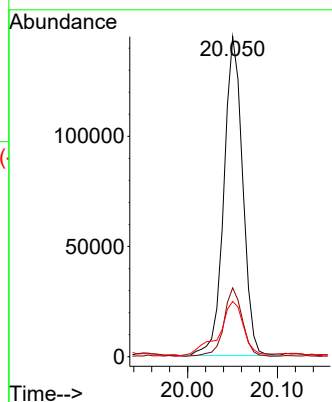
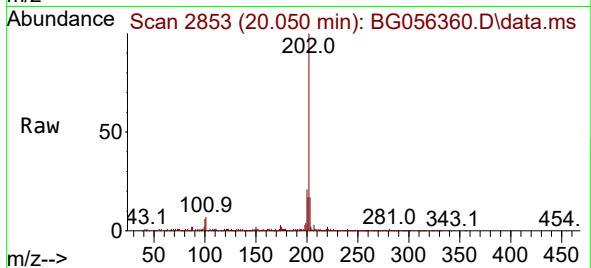
Tgt Ion:202 Resp: 210624

Ion Ratio Lower Upper

202 100

200 21.5 16.4 24.6

203 17.3 14.3 21.5



#79

Terphenyl-d14

Concen: 57.025 ng

RT: 20.232 min Scan# 2884

Delta R.T. -0.001 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

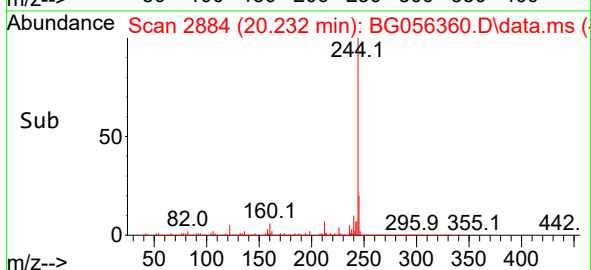
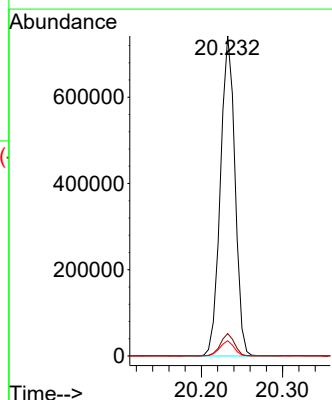
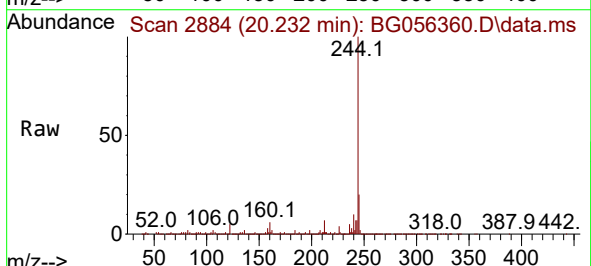
Tgt Ion:244 Resp: 926006

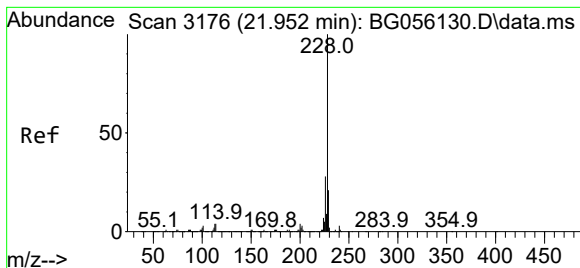
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 4.8 3.5 5.3





#81

Benzo(a)anthracene

Concen: 6.064 ng

RT: 21.930 min Scan# 3173

Delta R.T. -0.001 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

Instrument :

BNA_G

ClientSampleId :

TP-F

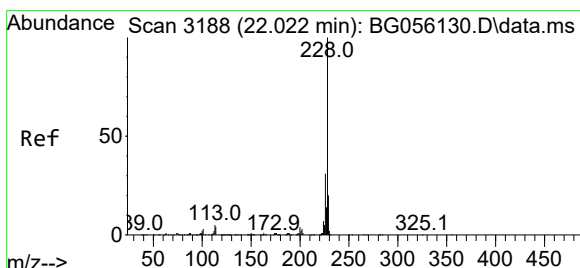
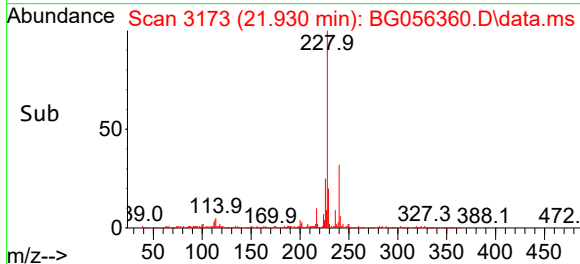
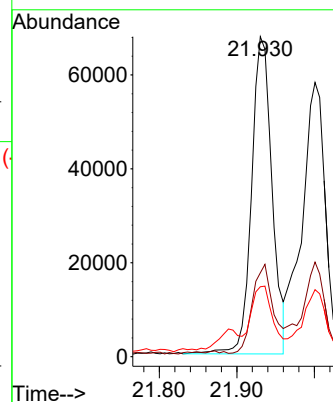
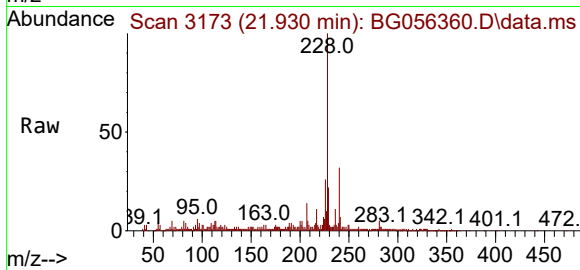
Tgt Ion:228 Resp: 123875

Ion Ratio Lower Upper

228 100

226 26.2 22.6 34.0

229 21.9 16.9 25.3



#83

Chrysene

Concen: 6.474 ng

RT: 21.930 min Scan# 3173

Delta R.T. -0.071 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

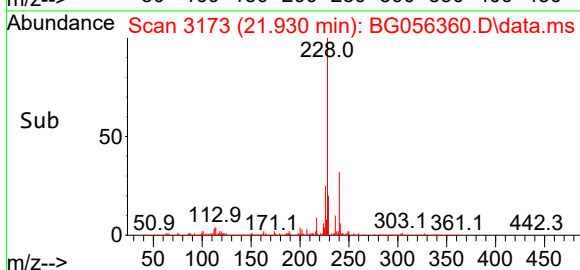
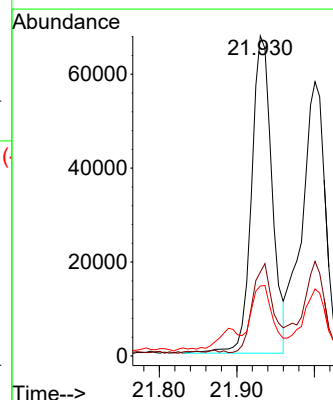
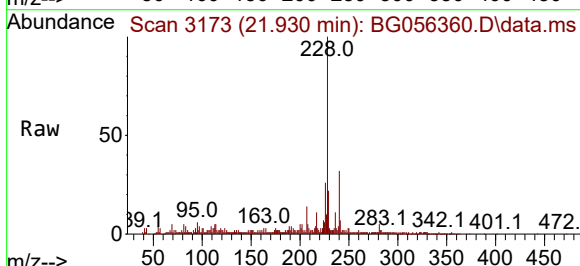
Tgt Ion:228 Resp: 123875

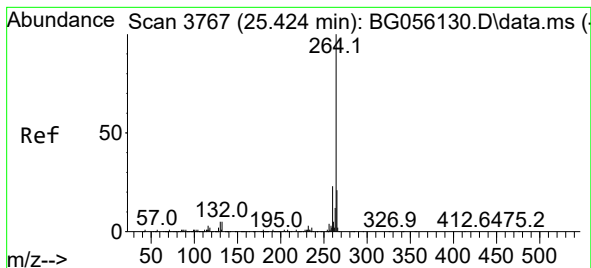
Ion Ratio Lower Upper

228 100

226 26.2 24.6 36.8

229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.403 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

Instrument :

BNA_G

ClientSampleId :

TP-F

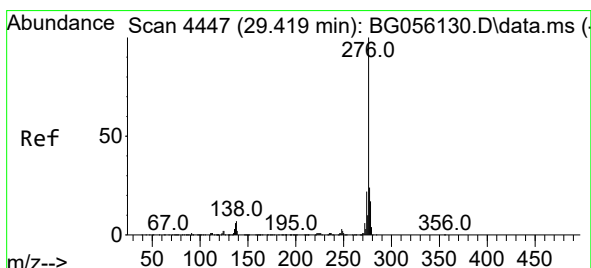
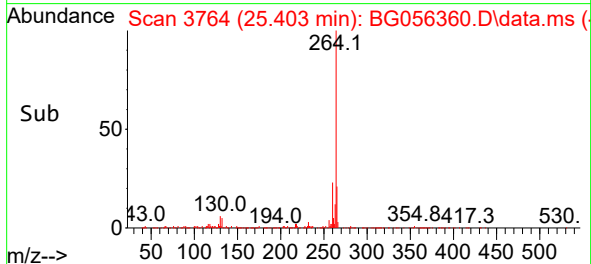
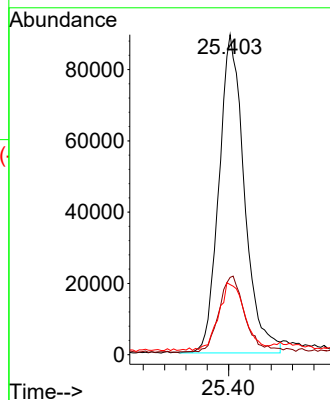
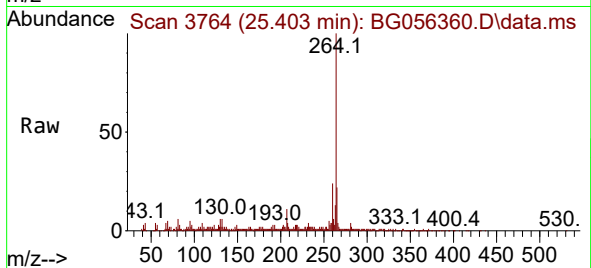
Tgt Ion:264 Resp: 295945

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 21.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.220 ng

RT: 29.363 min Scan# 4438

Delta R.T. 0.005 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

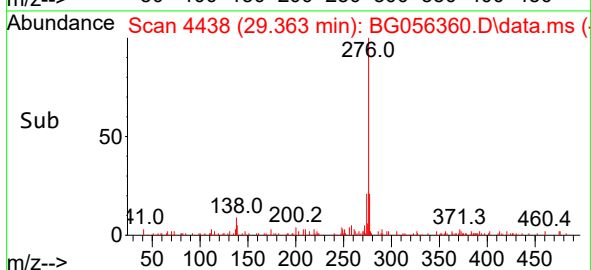
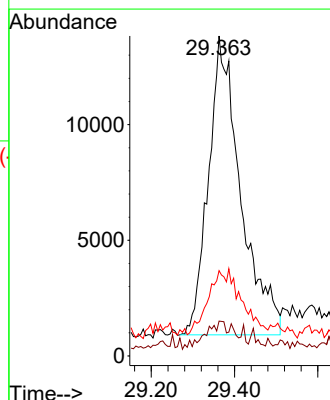
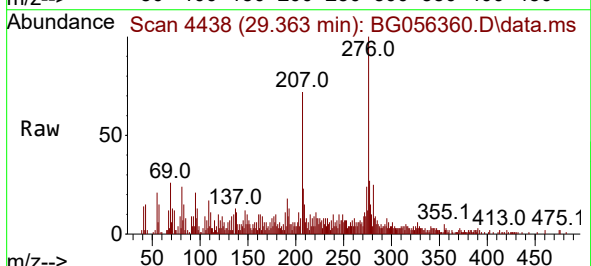
Tgt Ion:276 Resp: 69311

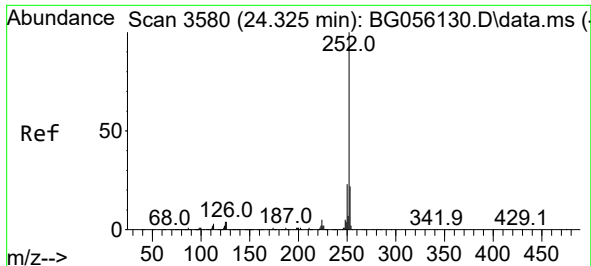
Ion Ratio Lower Upper

276 100

138 5.4 5.0 7.4

277 12.1 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 9.409 ng

RT: 24.298 min Scan# 3576

Delta R.T. 0.005 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

Instrument :

BNA_G

ClientSampleId :

TP-F

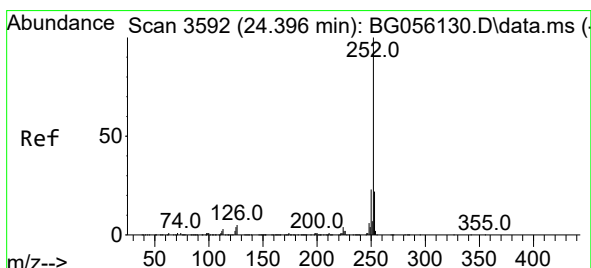
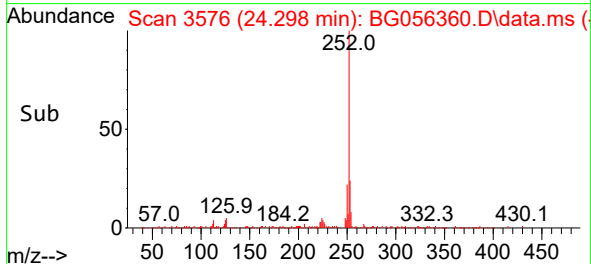
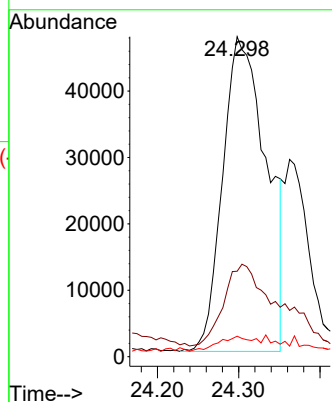
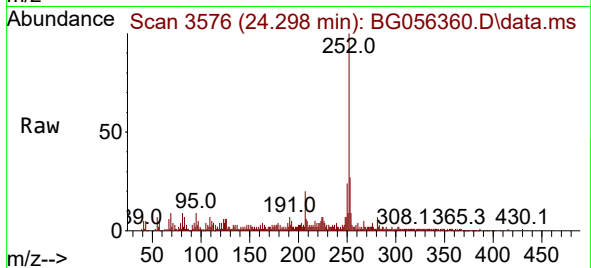
Tgt Ion:252 Resp: 176929

Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.2#

125 6.4 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 9.449 ng

RT: 24.298 min Scan# 3576

Delta R.T. -0.071 min

Lab File: BG056360.D

Acq: 19 Jan 2023 23:55

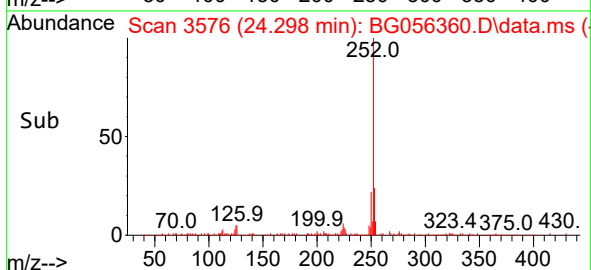
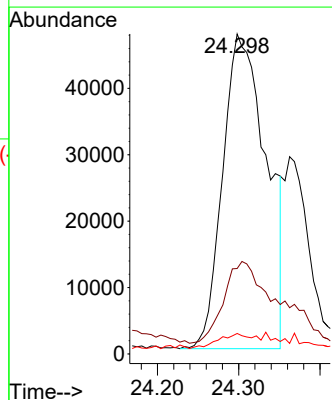
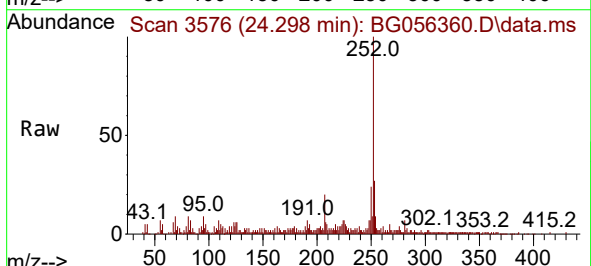
Tgt Ion:252 Resp: 176929

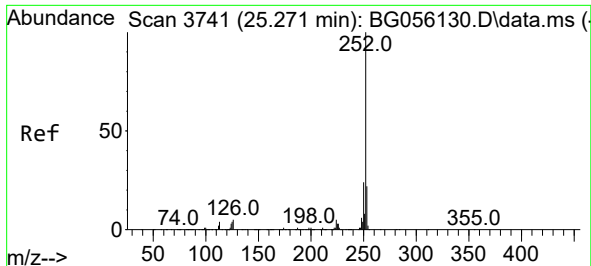
Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 6.4 3.4 5.0#

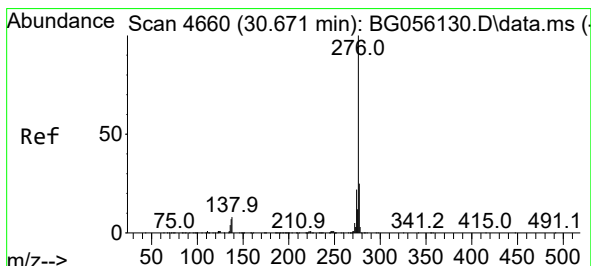
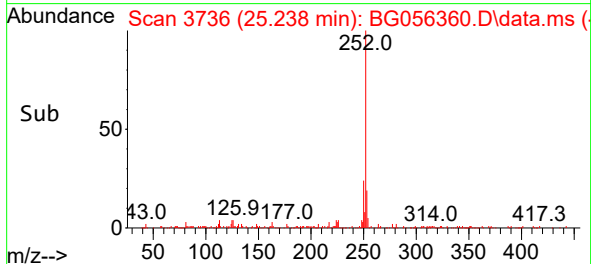
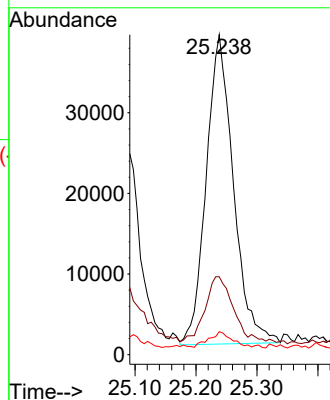
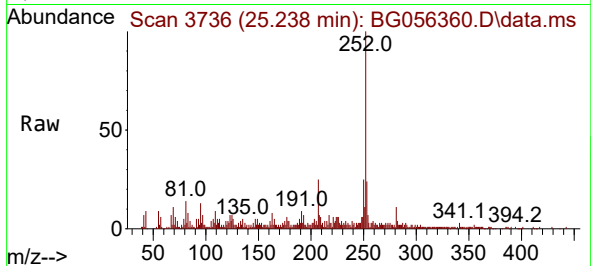




#90
Benzo(a)pyrene
Concen: 6.495 ng
RT: 25.238 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion:252 Resp: 119117
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 7.2 3.2 4.8#



#92
Benzo(g,h,i)perylene
Concen: 3.856 ng
RT: 30.614 min Scan# 4651
Delta R.T. 0.017 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:276 Resp: 67470
Ion Ratio Lower Upper
276 100
277 27.3 19.7 29.5
138 12.3 6.7 10.1#

