

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056378.D
 Acq On : 20 Jan 2023 22:13
 Operator : CG/JU
 Sample : 01229-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-011923

Quant Time: Jan 23 00:02:56 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)

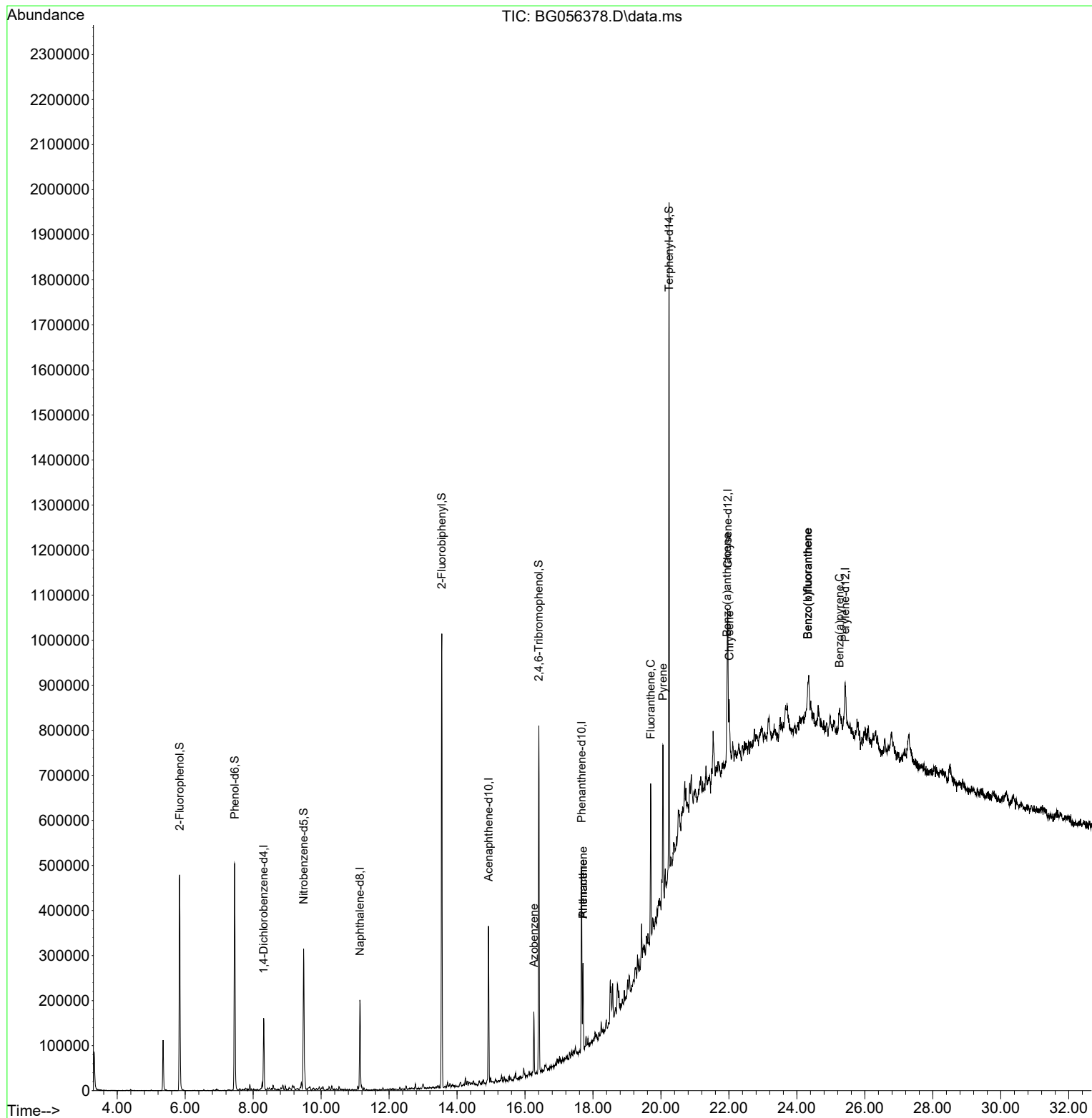
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.309	152	53794	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	192598	20.000	ng	# 0.00
39) Acenaphthene-d10	14.925	164	134412	20.000	ng	0.00
64) Phenanthrene-d10	17.663	188	285250	20.000	ng	0.00
76) Chrysene-d12	21.964	240	261212	20.000	ng	# 0.00
86) Perylene-d12	25.424	264	153161	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	309779	102.820	ng	0.00
7) Phenol-d6	7.457	99	421177	91.029	ng	0.00
23) Nitrobenzene-d5	9.484	82	223109	59.255	ng	0.00
42) 2,4,6-Tribromophenol	16.405	330	164144	96.424	ng	0.00
45) 2-Fluorobiphenyl	13.550	172	596744	61.307	ng	0.00
79) Terphenyl-d14	20.236	244	813986	55.813	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	16.259	77	35486	4.519	ng	# 1
71) Phenanthrene	17.704	178	132585	8.969	ng	99
72) Anthracene	17.704	178	132585	8.695	ng	99
75) Fluoranthene	19.696	202	242262	12.564	ng	98
78) Pyrene	20.054	202	242225	13.156	ng	99
81) Benzo(a)anthracene	21.940	228	100540	5.480	ng	# 88
83) Chrysene	22.011	228	132189	7.692	ng	# 90
88) Benzo(b)fluoranthene	24.320	252	73811	7.585	ng	# 15
89) Benzo(k)fluoranthene	24.320	252	73811	7.617	ng	# 16
90) Benzo(a)pyrene	25.254	252	42532	4.481	ng	# 57

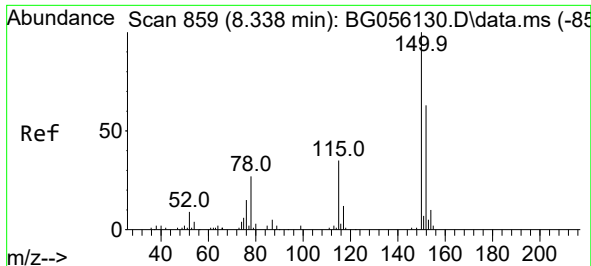
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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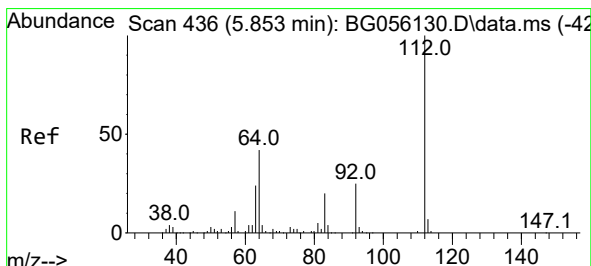
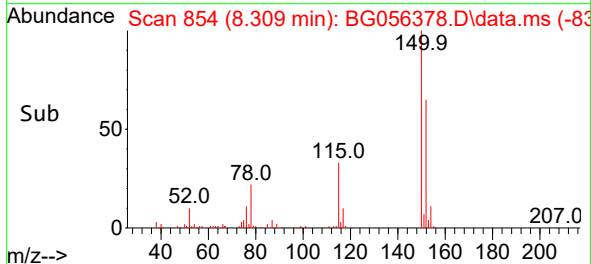
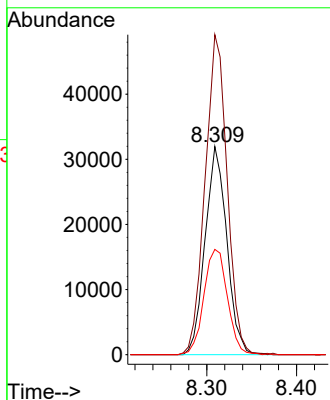
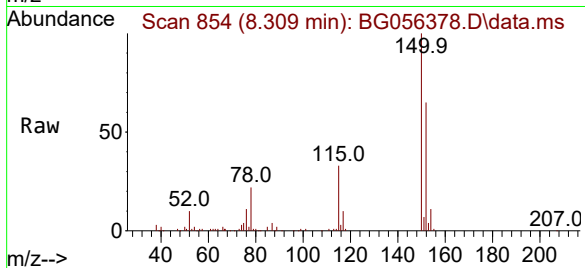




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.309 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

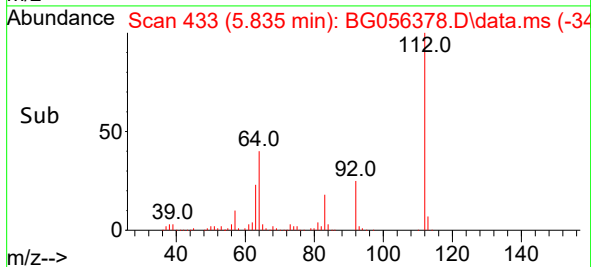
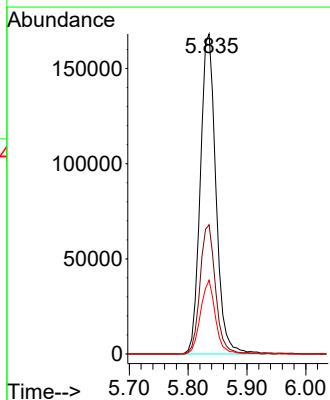
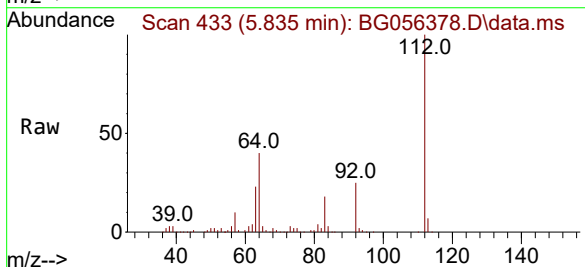
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

Tgt Ion:152 Resp: 53794
Ion Ratio Lower Upper
152 100
150 153.7 127.9 191.9
115 50.6 44.2 66.2



#5
2-Fluorophenol
Concen: 102.820 ng
RT: 5.835 min Scan# 433
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion:112 Resp: 309779
Ion Ratio Lower Upper
112 100
64 40.4 33.3 49.9
63 23.1 19.0 28.4

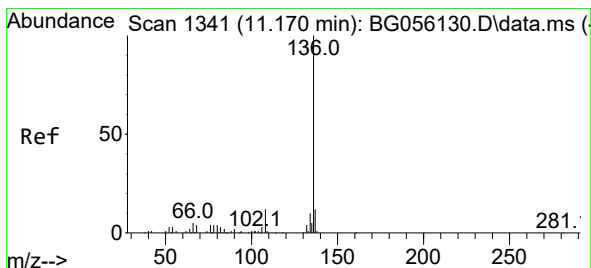
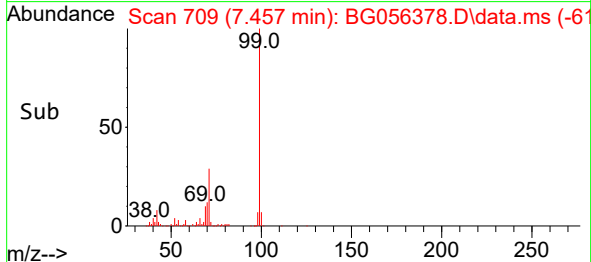
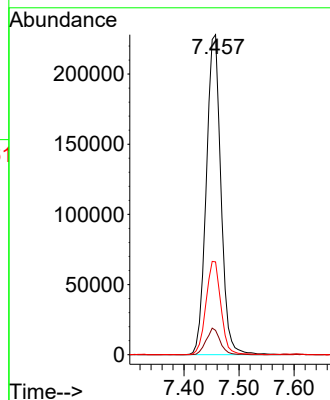
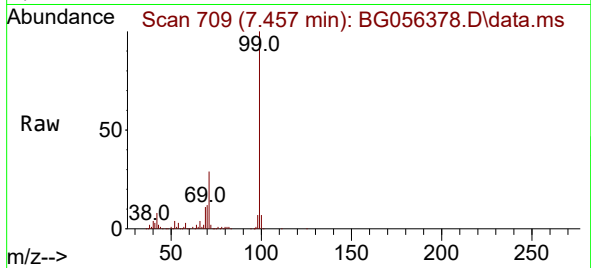




#7
Phenol-d6
Concen: 91.029 ng
RT: 7.457 min Scan# 711
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

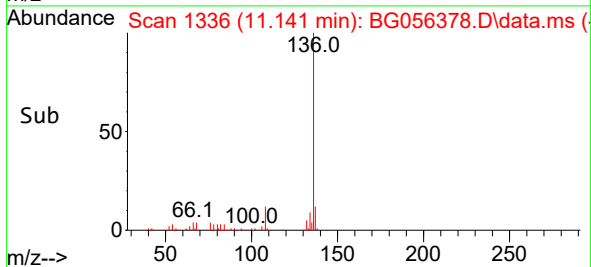
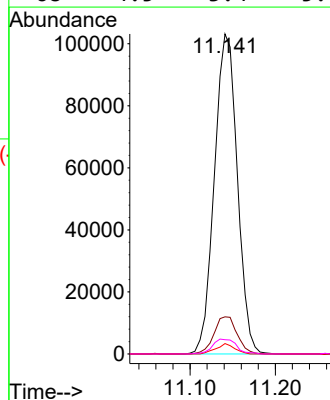
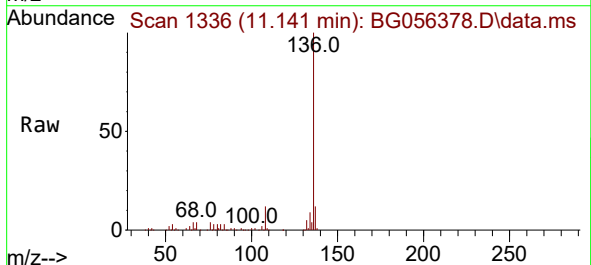
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

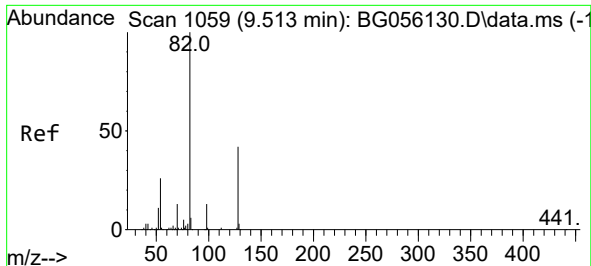
Tgt Ion: 99 Resp: 421177
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 29.0 25.4 38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 1336
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion: 136 Resp: 192598
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 3.2 2.2 3.2#
68 4.5 3.4 5.0

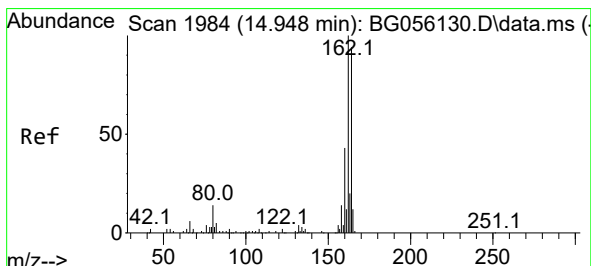
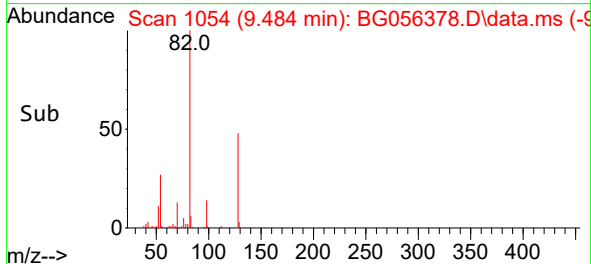
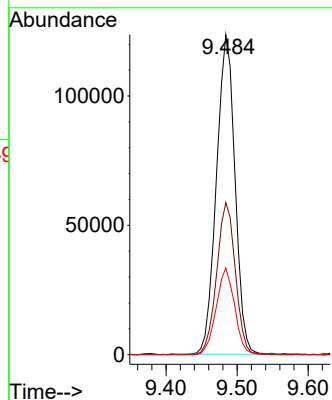
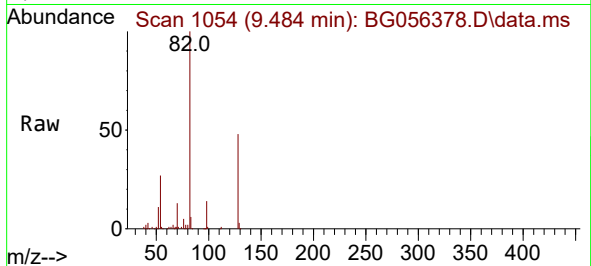




#23
Nitrobenzene-d5
Concen: 59.255 ng
RT: 9.484 min Scan# 1054
Delta R.T. -0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

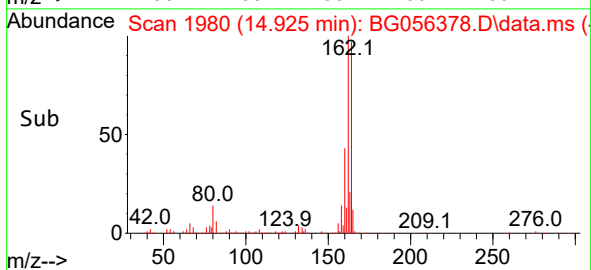
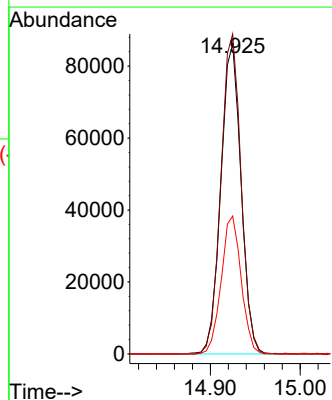
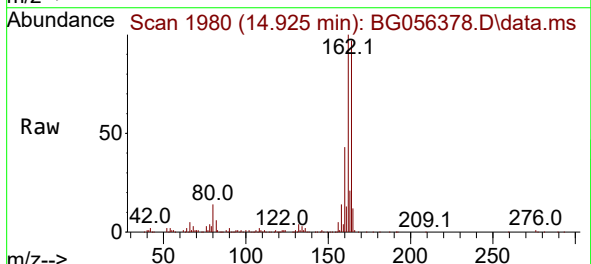
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

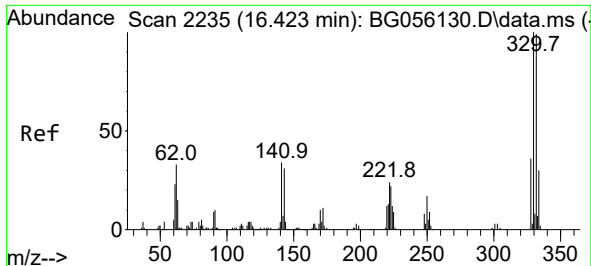
Tgt Ion: 82 Resp: 223109
Ion Ratio Lower Upper
82 100
128 47.5 33.4 50.2
54 27.1 20.3 30.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.925 min Scan# 1980
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion:164 Resp: 134412
Ion Ratio Lower Upper
164 100
162 103.1 84.7 127.1
160 44.4 36.3 54.5

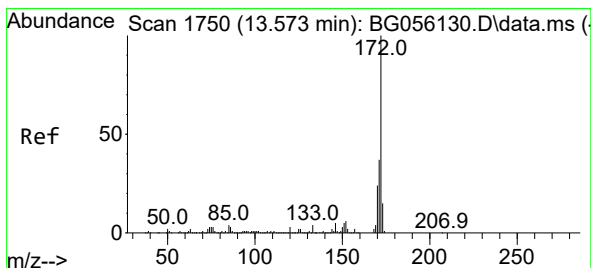
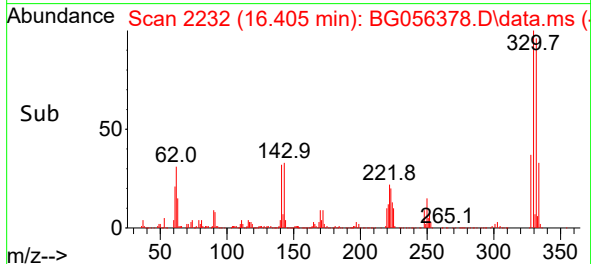
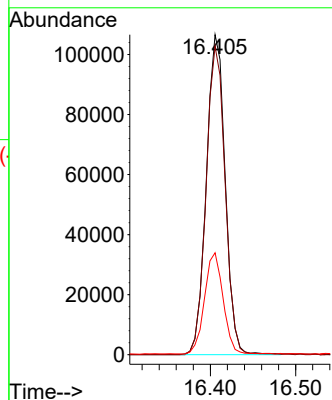
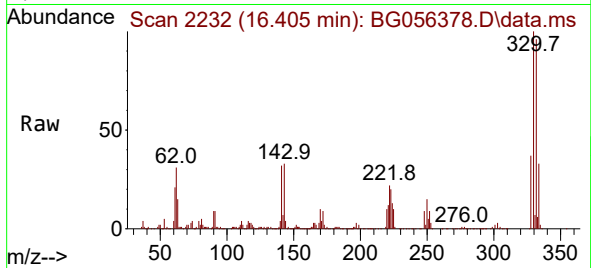




#42
2,4,6-Tribromophenol
Concen: 96.424 ng
RT: 16.405 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

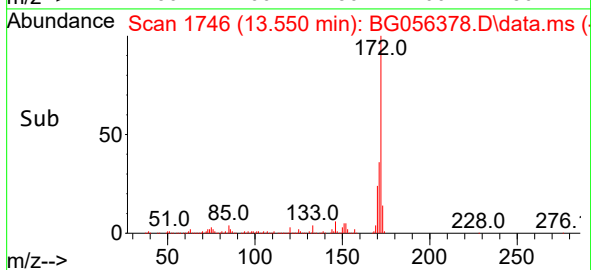
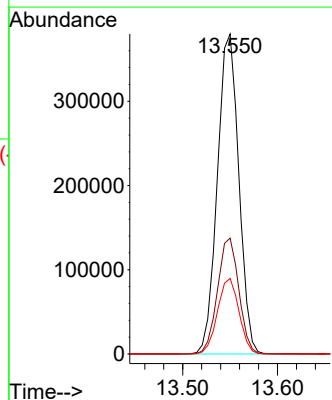
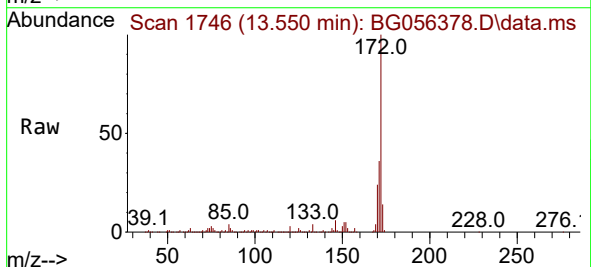
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

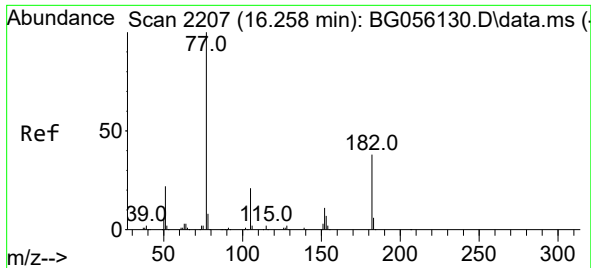
Tgt Ion:330 Resp: 164144
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 31.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 61.307 ng
RT: 13.550 min Scan# 1746
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion:172 Resp: 596744
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.6 19.4 29.2

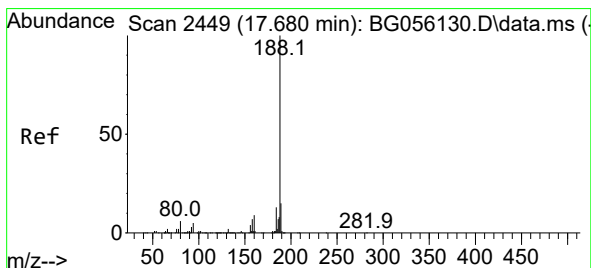
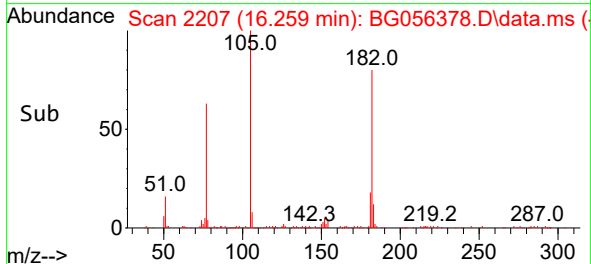
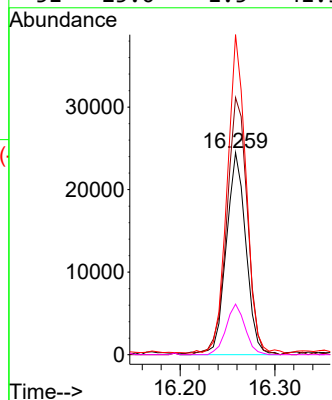
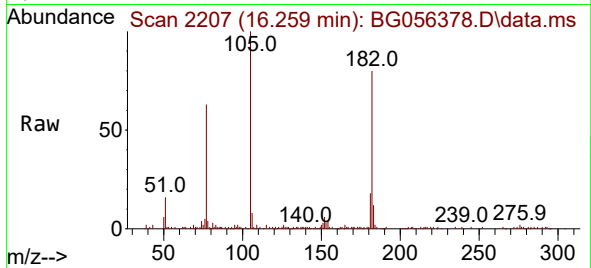




#63
Azobenzene
Concen: 4.519 ng
RT: 16.259 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

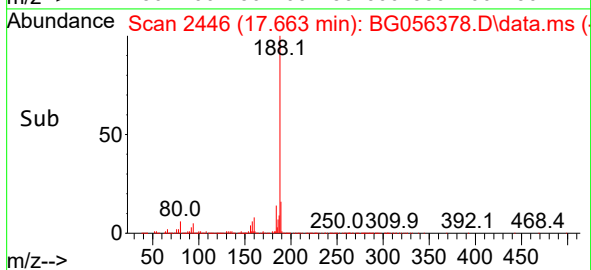
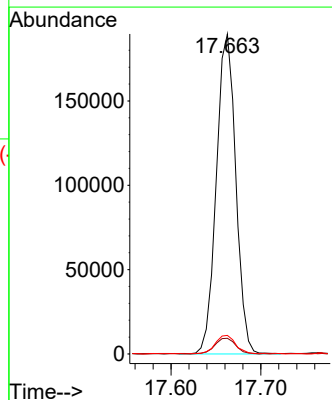
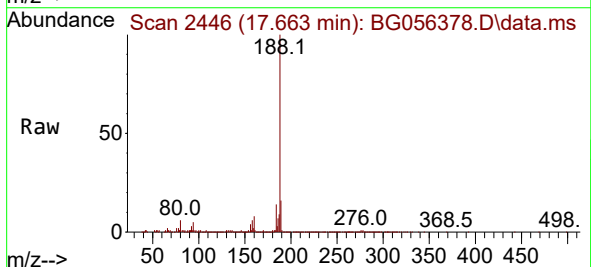
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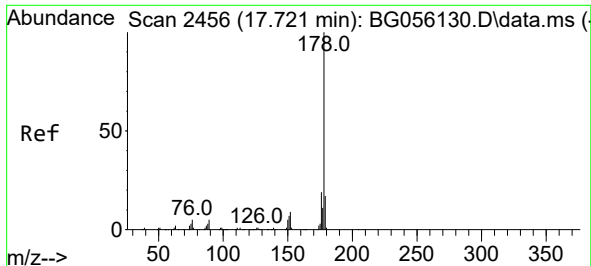
Tgt Ion: 77	Resp: 35486
Ion Ratio	Lower Upper
77 100	
182 127.3	18.5 58.5#
105 158.4	1.4 41.4#
51 25.0	1.5 41.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.663 min Scan# 2446
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion: 188	Resp: 285250
Ion Ratio	Lower Upper
188 100	
94 4.9	4.2 6.2
80 5.8	5.0 7.4

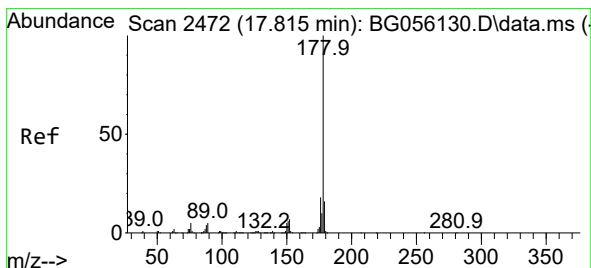
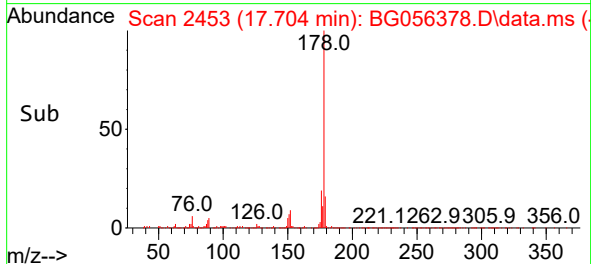
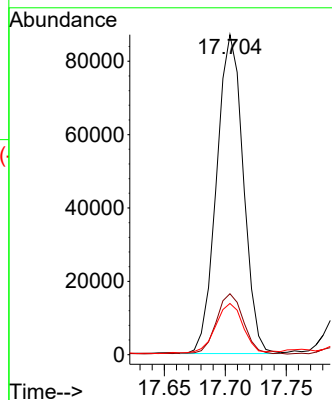
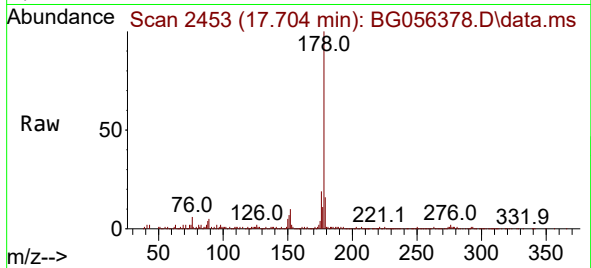




#71
Phenanthrene
Concen: 8.969 ng
RT: 17.704 min Scan# 2453
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

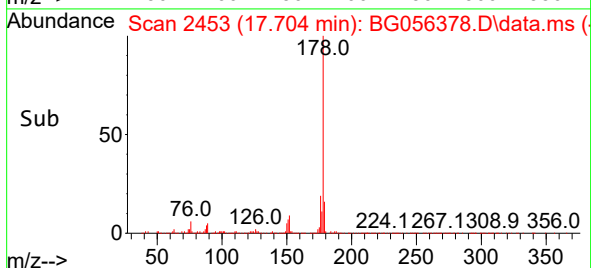
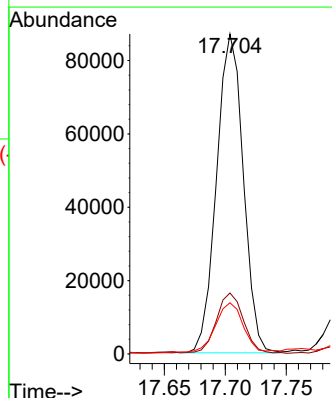
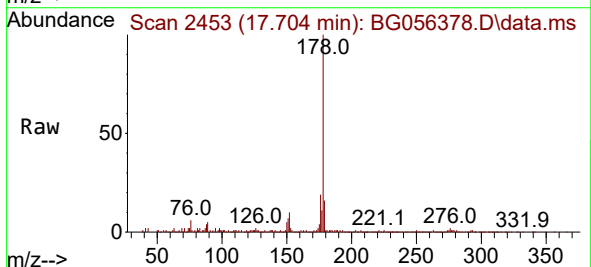
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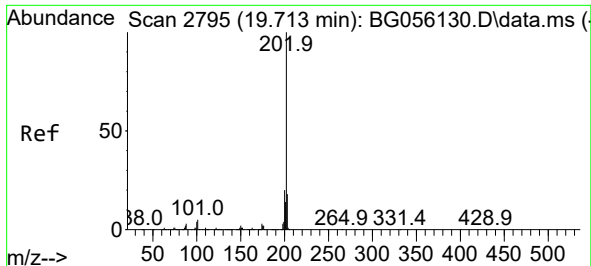
Tgt Ion:178 Resp: 132585
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.0 13.6 20.4



#72
Anthracene
Concen: 8.695 ng
RT: 17.704 min Scan# 2453
Delta R.T. -0.091 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion:178 Resp: 132585
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 16.0 12.7 19.1

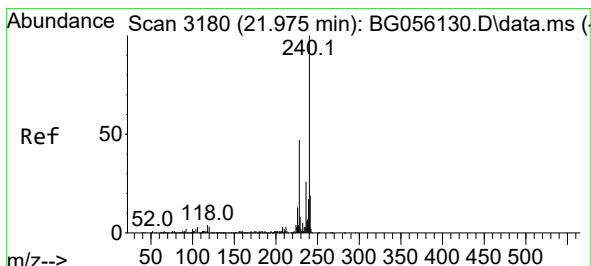
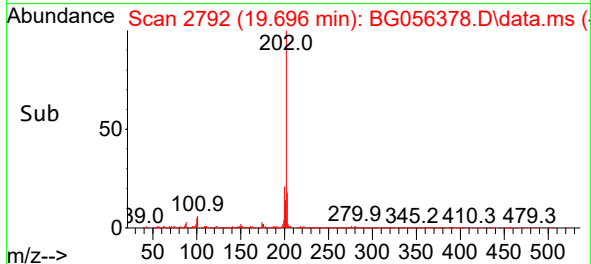
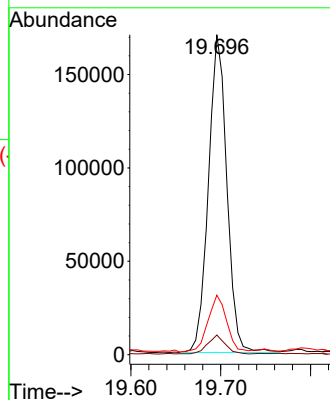
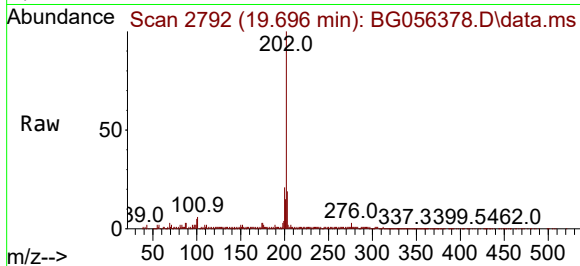




#75
Fluoranthene
Concen: 12.564 ng
RT: 19.696 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

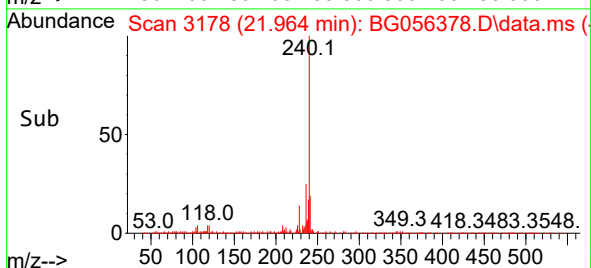
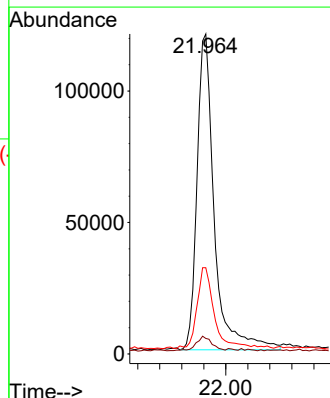
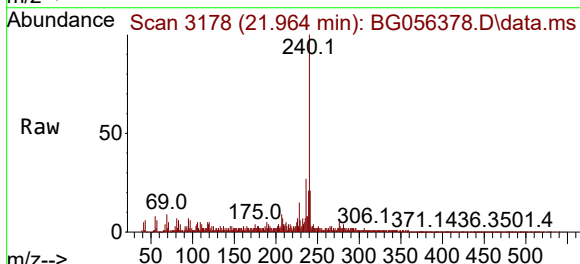
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

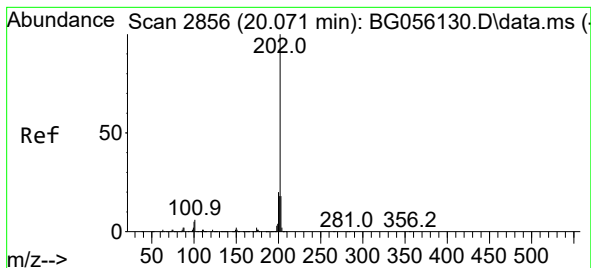
Tgt Ion:202 Resp: 242262
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.0
203 18.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.964 min Scan# 3178
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Tgt Ion:240 Resp: 261212
Ion Ratio Lower Upper
240 100
120 4.9 2.6 4.0#
236 26.9 20.8 31.2





#78

Pyrene

Concen: 13.156 ng

RT: 20.054 min Scan# 2853

Delta R.T. 0.003 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

Instrument :

BNA_G

ClientSampleId :

OK-02-011923

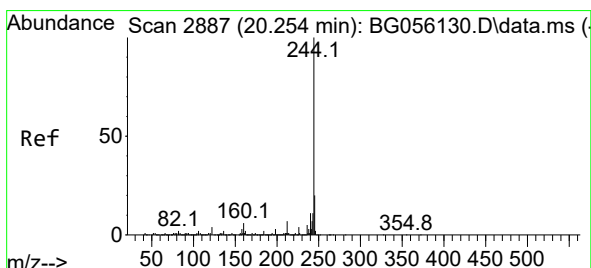
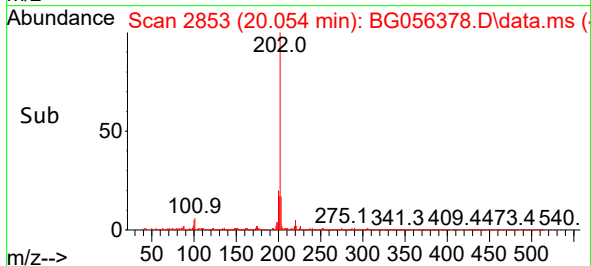
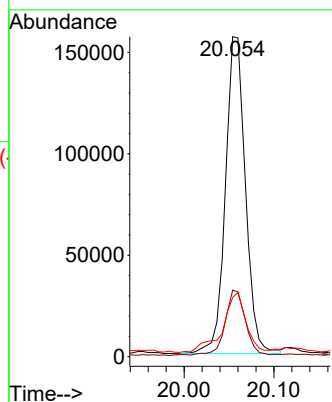
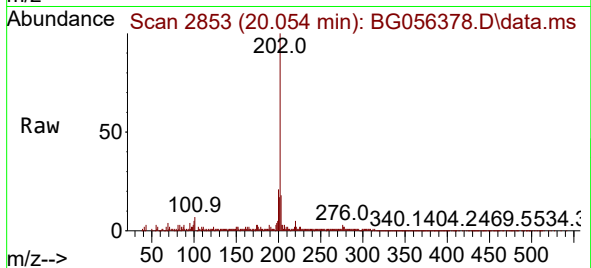
Tgt Ion:202 Resp: 242225

Ion Ratio Lower Upper

202 100

200 20.8 16.4 24.6

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 55.813 ng

RT: 20.236 min Scan# 2884

Delta R.T. 0.003 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

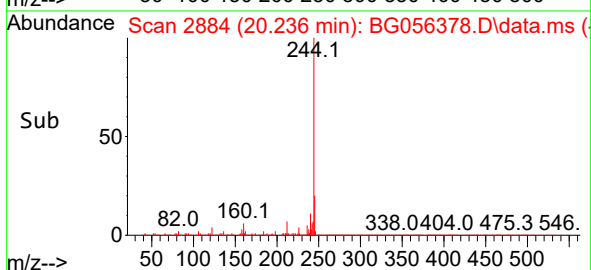
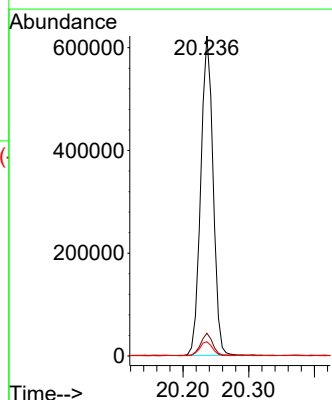
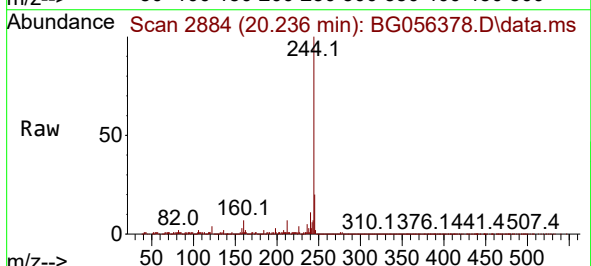
Tgt Ion:244 Resp: 813986

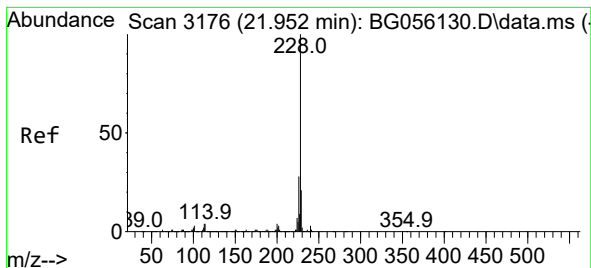
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 4.5 3.5 5.3





#81

Benzo(a)anthracene

Concen: 5.480 ng

RT: 21.940 min Scan# 3174

Delta R.T. 0.009 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

Instrument :

BNA_G

ClientSampleId :

OK-02-011923

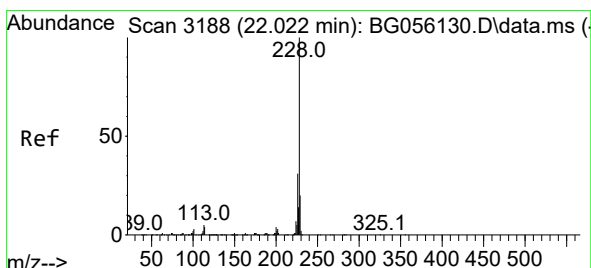
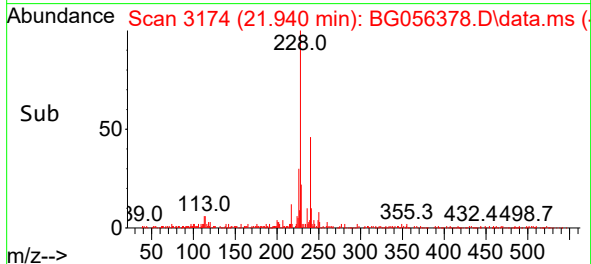
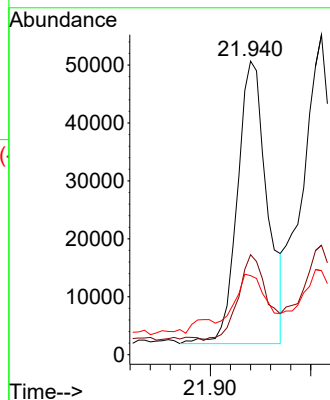
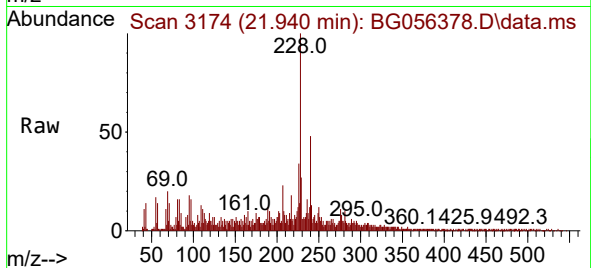
Tgt Ion:228 Resp: 100540

Ion Ratio Lower Upper

228 100

226 34.1 22.6 34.0#

229 26.9 16.9 25.3#



#83

Chrysene

Concen: 7.692 ng

RT: 22.011 min Scan# 3186

Delta R.T. 0.009 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

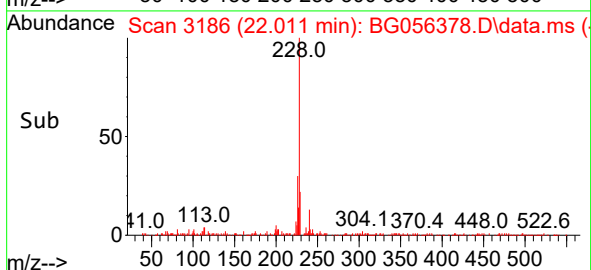
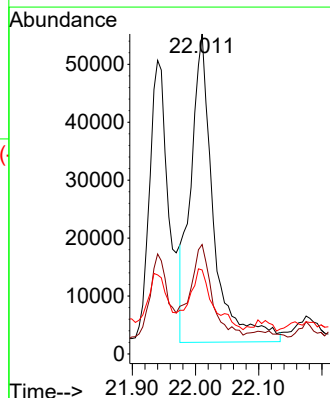
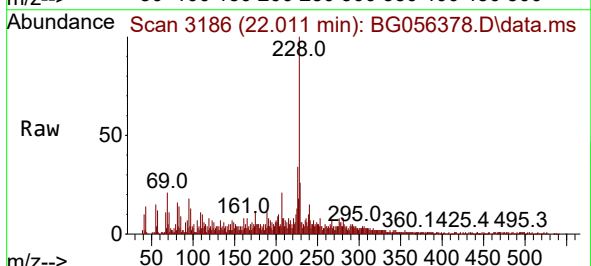
Tgt Ion:228 Resp: 132189

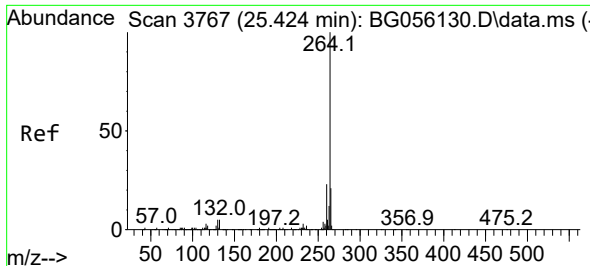
Ion Ratio Lower Upper

228 100

226 34.2 24.6 36.8

229 26.3 15.8 23.6#

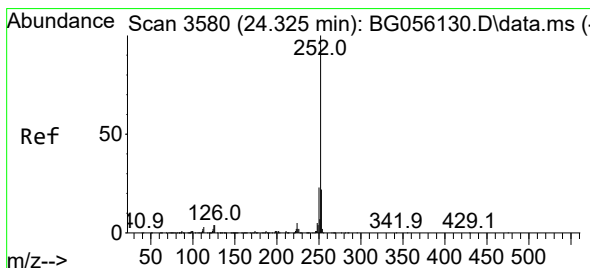
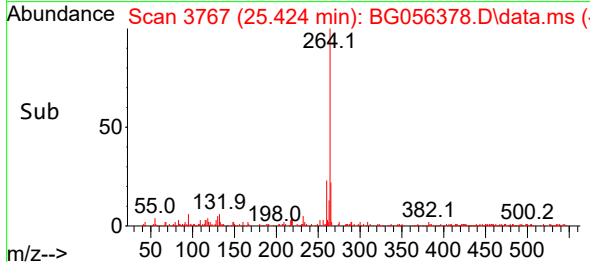
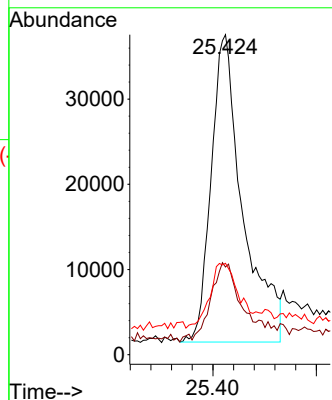
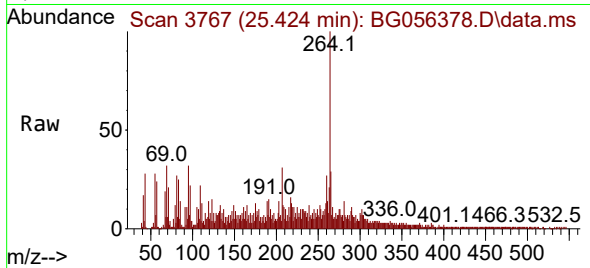




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.424 min Scan# 31
 Delta R.T. 0.032 min
 Lab File: BG056378.D
 Acq: 20 Jan 2023 22:13

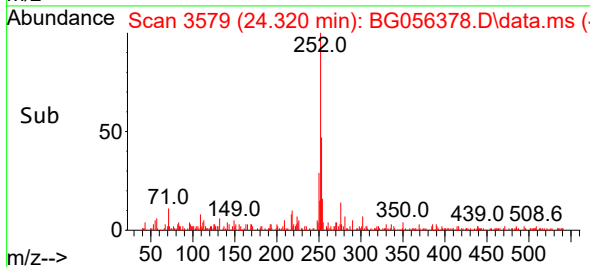
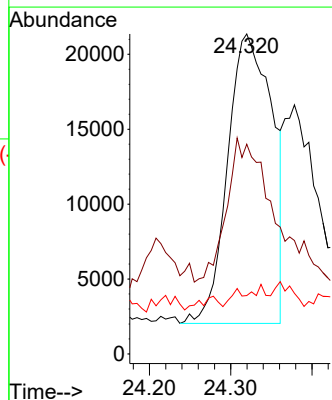
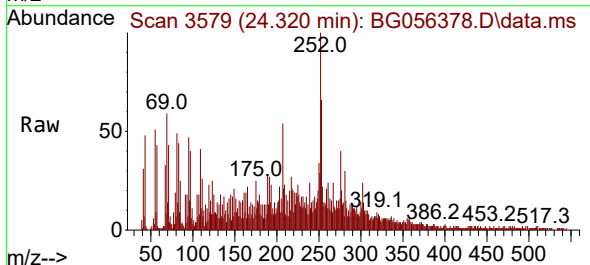
Instrument :
 BNA_G
 ClientSampleId :
 OK-02-011923

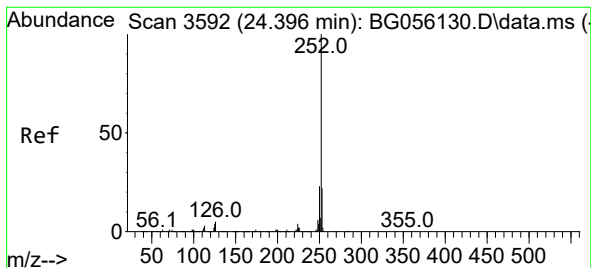
Tgt Ion:264 Resp: 153161
 Ion Ratio Lower Upper
 264 100
 260 27.4 18.6 28.0
 265 28.6 16.7 25.1#



#88
 Benzo(b)fluoranthene
 Concen: 7.585 ng
 RT: 24.320 min Scan# 3579
 Delta R.T. 0.027 min
 Lab File: BG056378.D
 Acq: 20 Jan 2023 22:13

Tgt Ion:252 Resp: 73811
 Ion Ratio Lower Upper
 252 100
 253 65.6 17.4 26.2#
 125 18.2 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 7.617 ng

RT: 24.320 min Scan# 3

Delta R.T. -0.050 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

Instrument :

BNA_G

ClientSampleId :

OK-02-011923

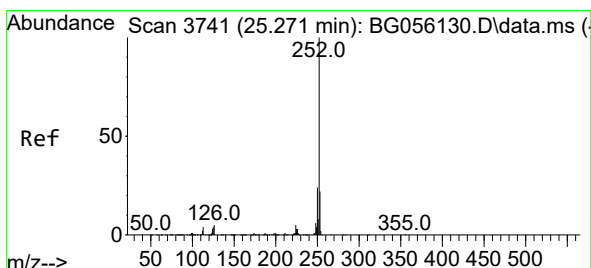
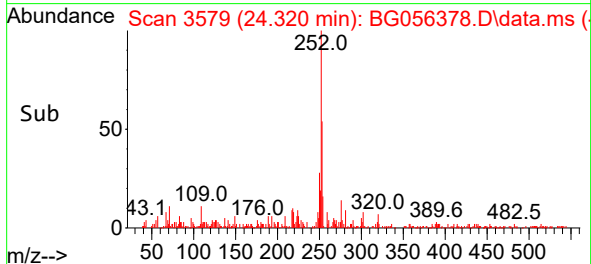
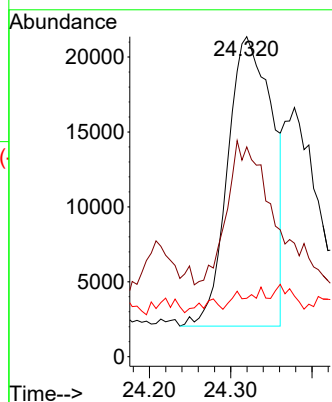
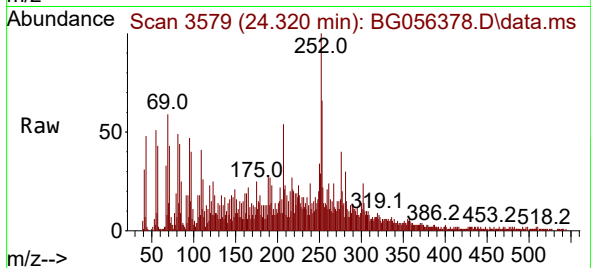
Tgt Ion:252 Resp: 73811

Ion Ratio Lower Upper

252 100

253 65.6 17.5 26.3#

125 18.2 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 4.481 ng

RT: 25.254 min Scan# 3738

Delta R.T. 0.027 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

Tgt Ion:252 Resp: 42532

Ion Ratio Lower Upper

252 100

253 41.3 17.4 26.2#

125 22.8 3.2 4.8#

