

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056361.D
 Acq On : 20 Jan 2023 00:36
 Operator : CG/JU
 Sample : 01198-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-011823

Quant Time: Jan 20 01:38:45 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)

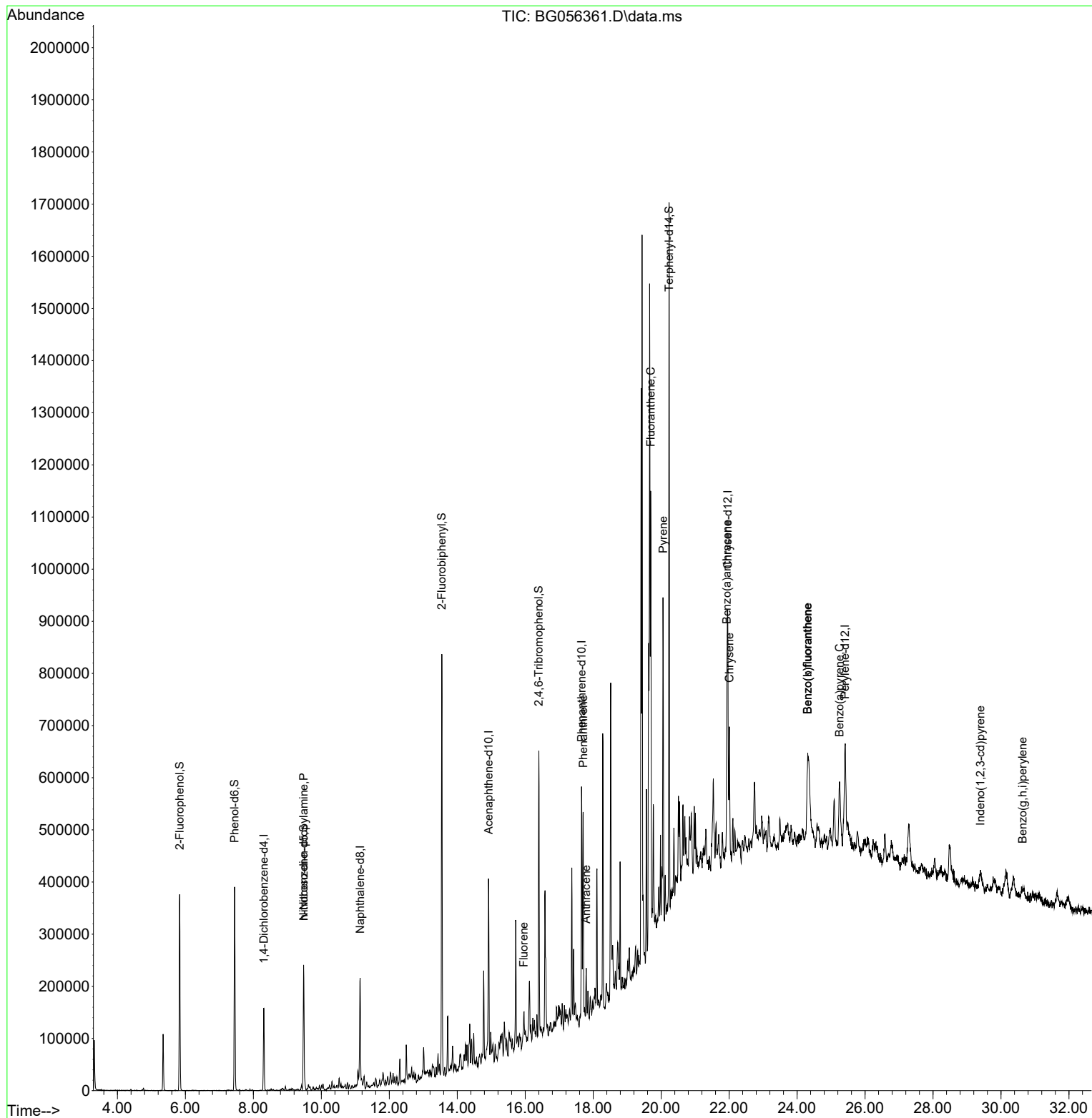
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.311	152	55243	20.000	ng	0.00
21) Naphthalene-d8	11.143	136	196720	20.000	ng	0.00
39) Acenaphthene-d10	14.921	164	136114	20.000	ng	0.00
64) Phenanthrene-d10	17.659	188	297415	20.000	ng	0.00
76) Chrysene-d12	21.960	240	286634	20.000	ng	0.00
86) Perylene-d12	25.415	264	280983	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	226063	73.065	ng	0.00
7) Phenol-d6	7.448	99	308811	64.993	ng	0.00
23) Nitrobenzene-d5	9.481	82	164781	42.847	ng	0.00
42) 2,4,6-Tribromophenol	16.402	330	117764	68.314	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	468616	47.542	ng	0.00
79) Terphenyl-d14	20.233	244	722320	45.135	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.481	70	22326	7.727	ng	# 76
58) Fluorene	15.961	166	25707	2.372	ng	# 90
71) Phenanthrene	17.706	178	267272	17.341	ng	98
72) Anthracene	17.794	178	55829	3.511	ng	99
75) Fluoranthene	19.692	202	478841	23.817	ng	98
78) Pyrene	20.056	202	434800	21.521	ng	98
81) Benzo(a)anthracene	21.937	228	214839	10.671	ng	99
83) Chrysene	22.007	228	220383	11.686	ng	97
87) Indeno(1,2,3-cd)pyrene	29.398	276	69167	3.385	ng	99
88) Benzo(b)fluoranthene	24.310	252	248665	13.929	ng	# 87
89) Benzo(k)fluoranthene	24.310	252	248665	13.988	ng	# 88
90) Benzo(a)pyrene	25.250	252	162303	9.321	ng	# 92
92) Benzo(g,h,i)perylene	30.638	276	55914	3.365	ng	# 87

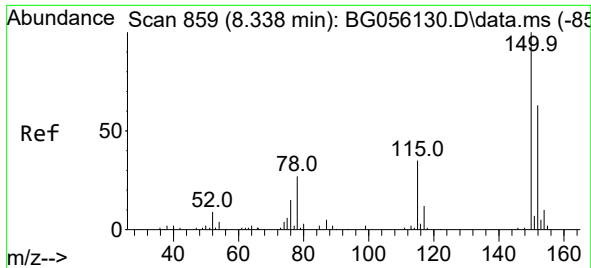
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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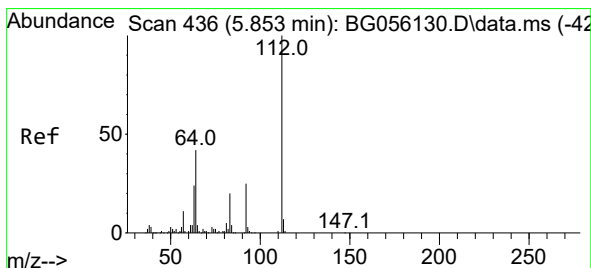
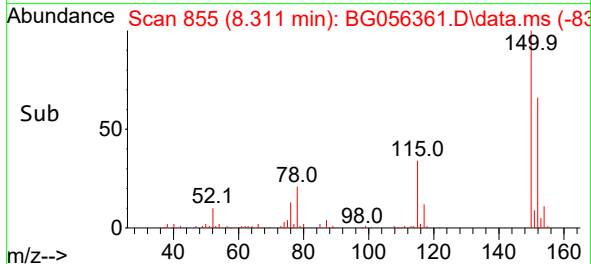
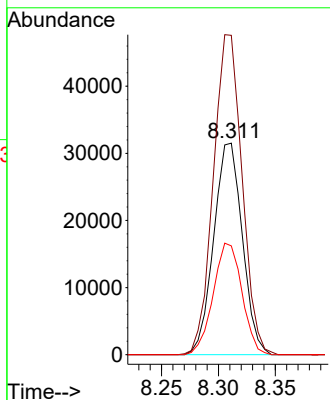
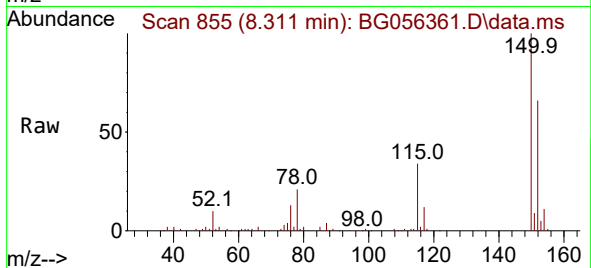




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.311 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

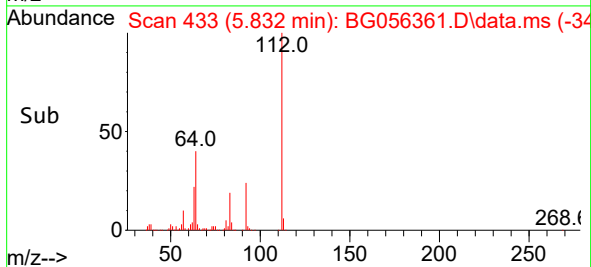
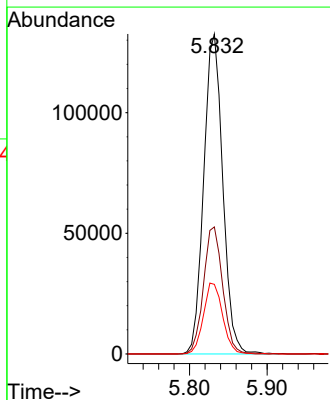
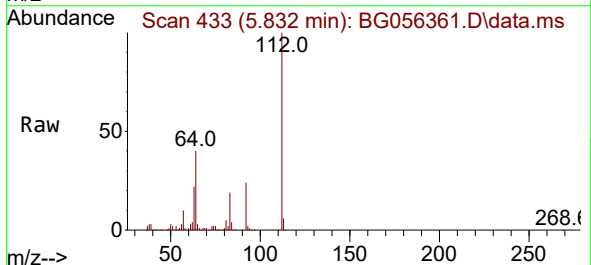
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

Tgt Ion:152 Resp: 55243
Ion Ratio Lower Upper
152 100
150 151.0 127.9 191.9
115 51.4 44.2 66.2



#5
2-Fluorophenol
Concen: 73.065 ng
RT: 5.832 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion:112 Resp: 226063
Ion Ratio Lower Upper
112 100
64 39.7 33.3 49.9
63 21.8 19.0 28.4

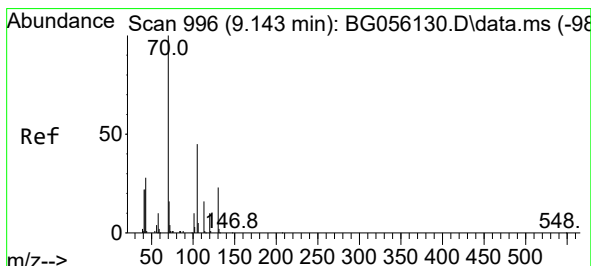
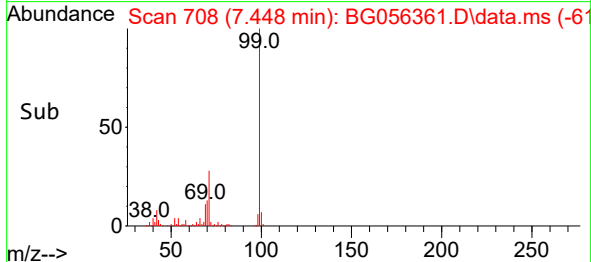
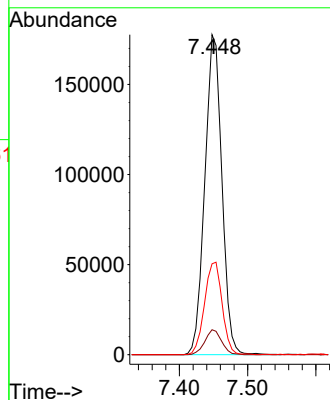
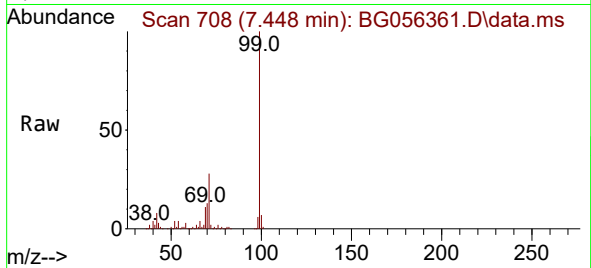




#7
Phenol-d6
Concen: 64.993 ng
RT: 7.448 min Scan# 70
Delta R.T. -0.000 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

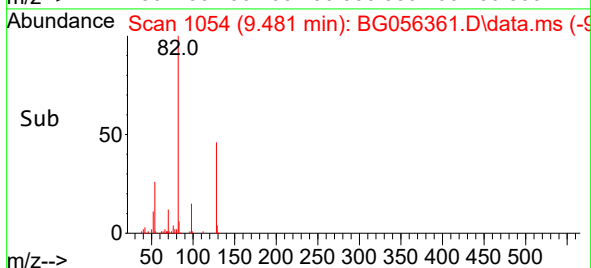
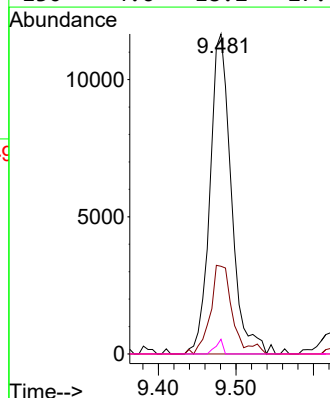
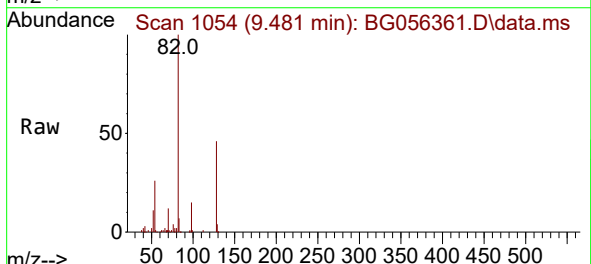
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

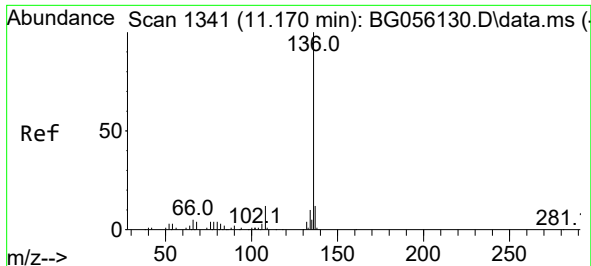
Tgt Ion: 99 Resp: 308811
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 28.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.727 ng
RT: 9.481 min Scan# 1054
Delta R.T. 0.370 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion: 70 Resp: 22326
Ion Ratio Lower Upper
70 100
42 27.4 18.2 27.2#
101 0.0 8.3 12.5#
130 4.6 18.2 27.4#

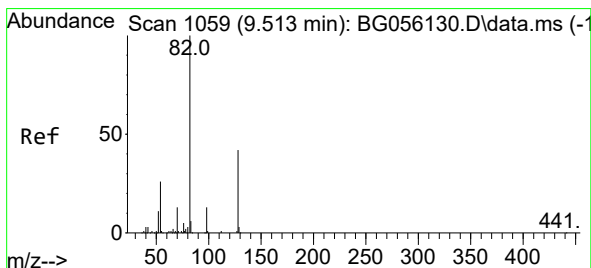
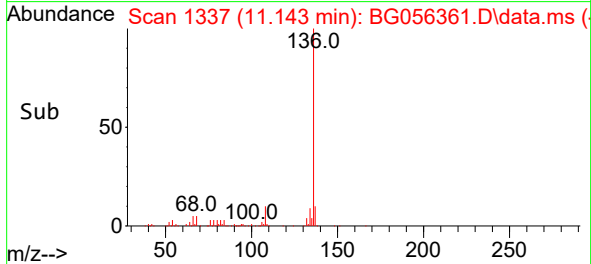
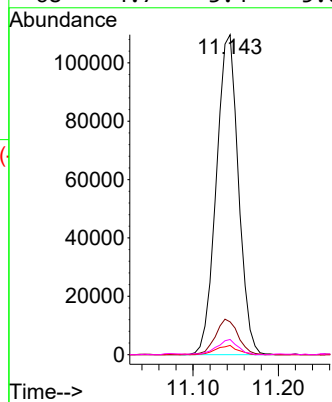
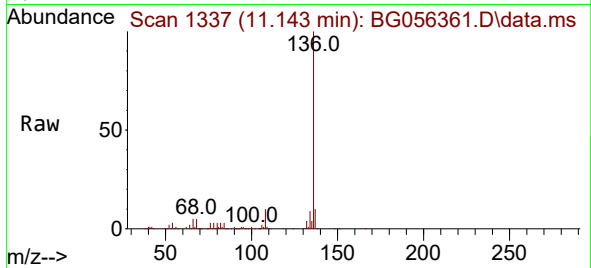




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.143 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

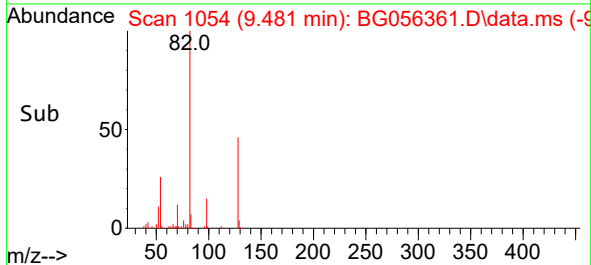
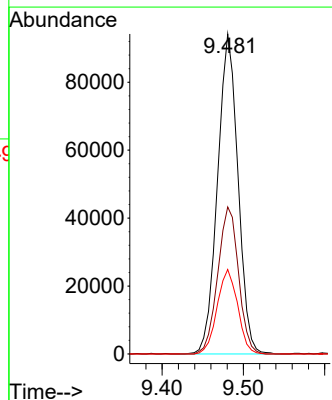
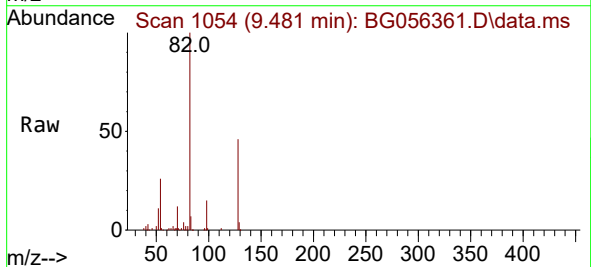
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

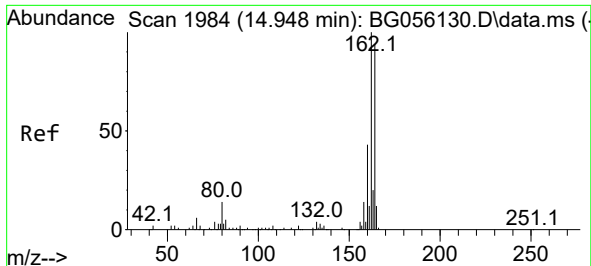
Tgt Ion:136 Resp: 196720
Ion Ratio Lower Upper
136 100
137 10.3 9.4 14.0
54 2.9 2.2 3.2
68 4.7 3.4 5.0



#23
Nitrobenzene-d5
Concen: 42.847 ng
RT: 9.481 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion: 82 Resp: 164781
Ion Ratio Lower Upper
82 100
128 46.0 33.4 50.2
54 26.4 20.3 30.5

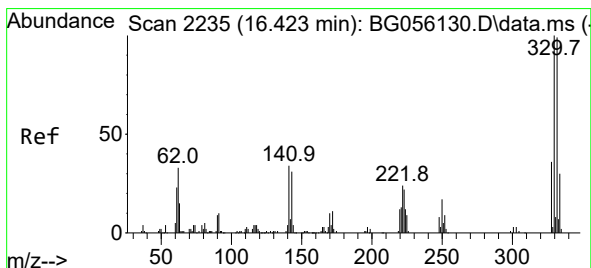
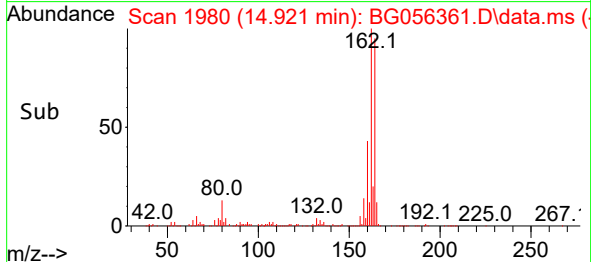
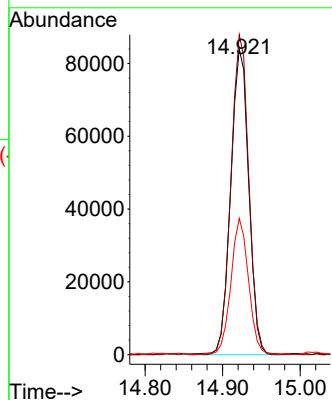
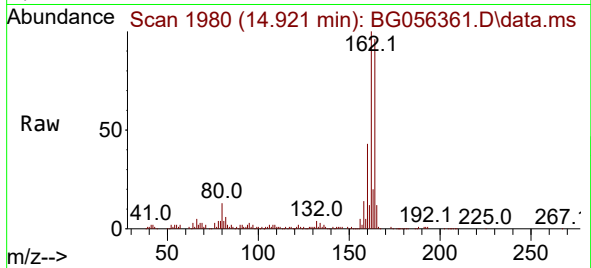




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.921 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

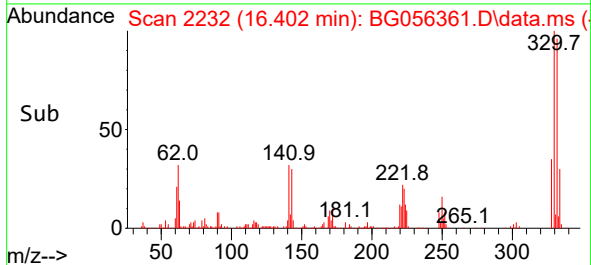
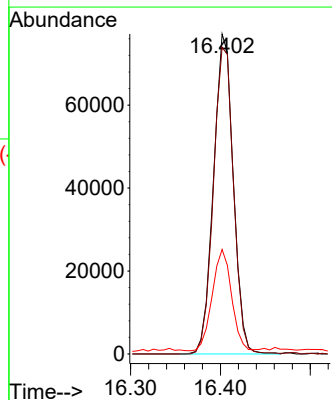
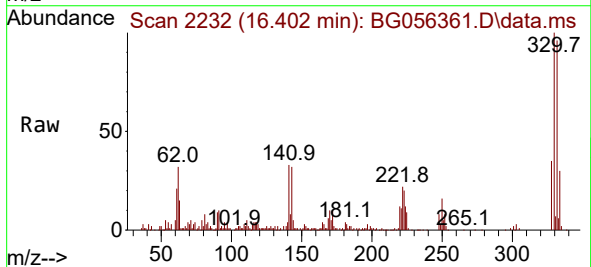
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

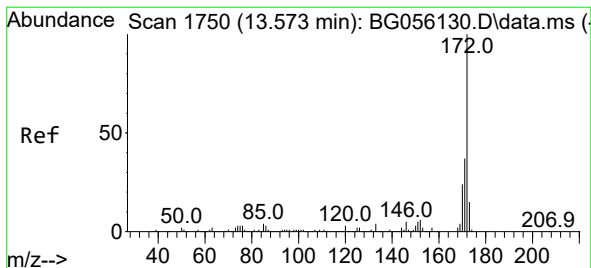
Tgt Ion:164 Resp: 136114
Ion Ratio Lower Upper
164 100
162 104.6 84.7 127.1
160 44.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 68.314 ng
RT: 16.402 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion:330 Resp: 117764
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 30.9 27.9 41.9





#45

2-Fluorobiphenyl

Concen: 47.542 ng

RT: 13.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

Instrument :

BNA_G

ClientSampleId :

PL-02-011823

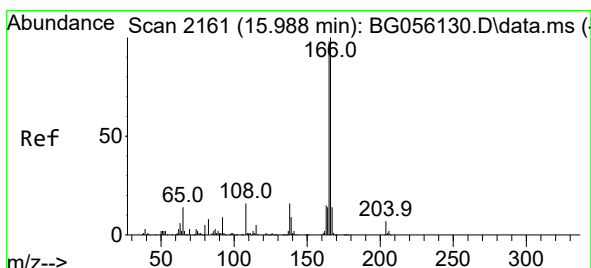
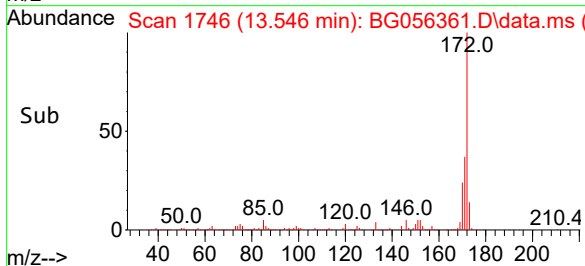
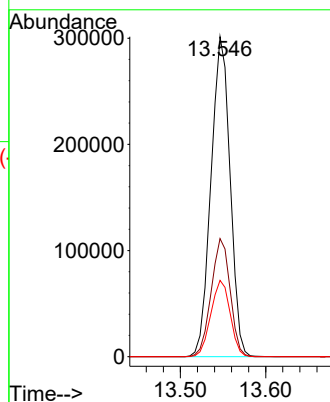
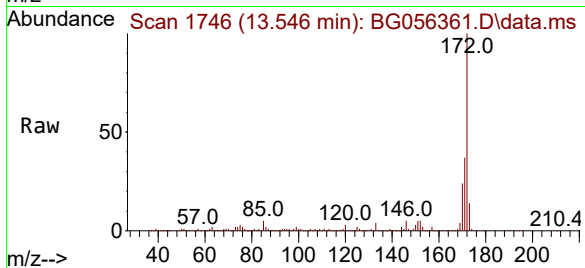
Tgt Ion:172 Resp: 468616

Ion Ratio Lower Upper

172 100

171 36.9 29.6 44.4

170 23.8 19.4 29.2



#58

Fluorene

Concen: 2.372 ng

RT: 15.961 min Scan# 2157

Delta R.T. -0.000 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

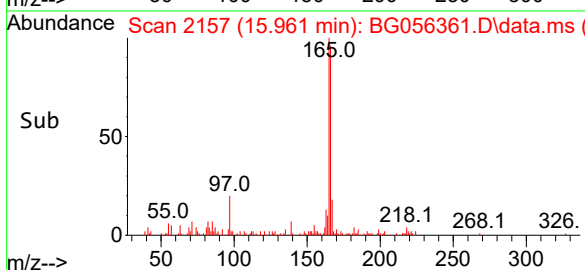
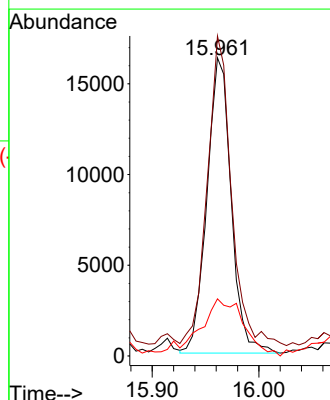
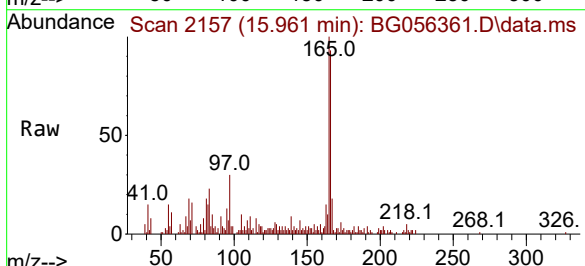
Tgt Ion:166 Resp: 25707

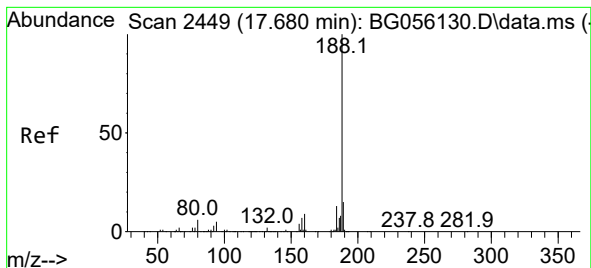
Ion Ratio Lower Upper

166 100

165 107.4 78.6 118.0

167 19.1 11.1 16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.659 min Scan# 2446

Delta R.T. -0.000 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

Instrument :

BNA_G

ClientSampleId :

PL-02-011823

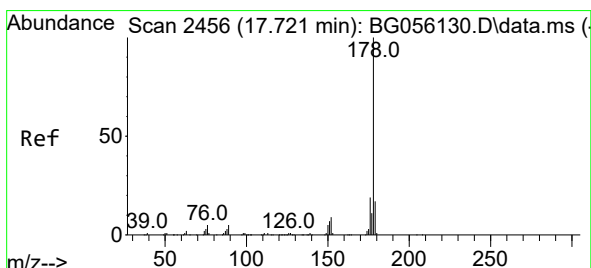
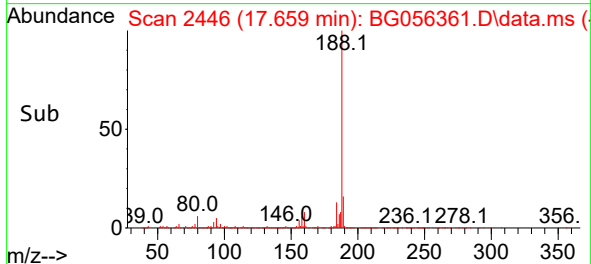
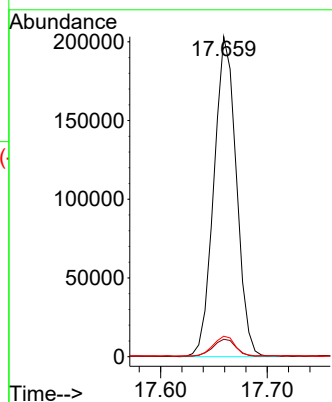
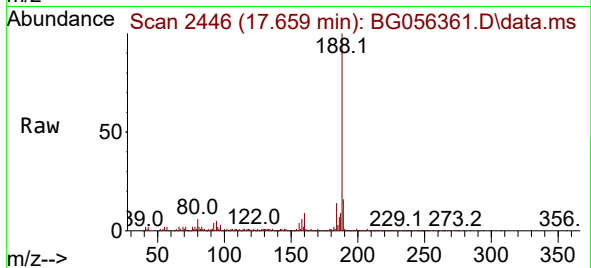
Tgt Ion:188 Resp: 297415

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

80 6.4 5.0 7.4



#71

Phenanthrene

Concen: 17.341 ng

RT: 17.706 min Scan# 2454

Delta R.T. 0.005 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

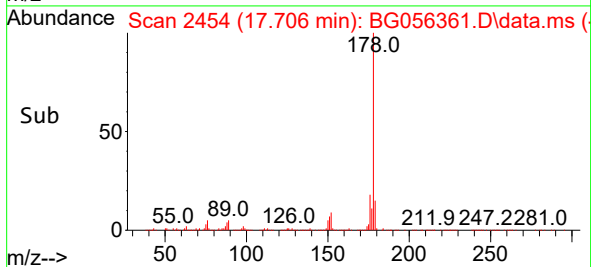
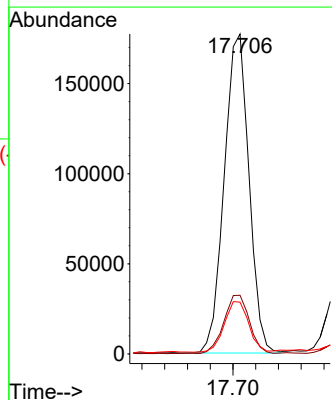
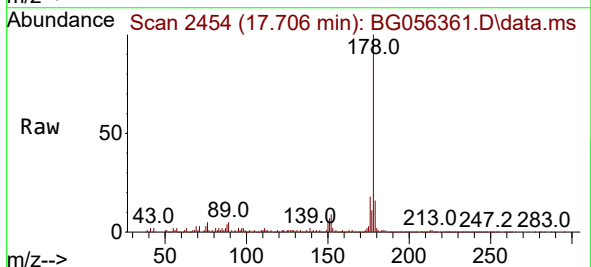
Tgt Ion:178 Resp: 267272

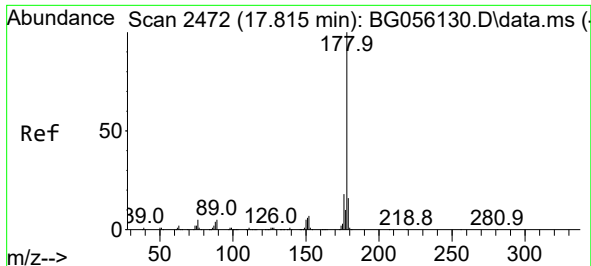
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 16.2 13.6 20.4

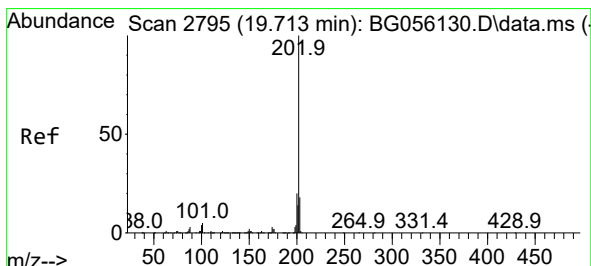
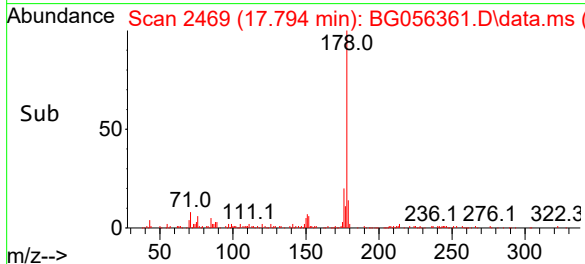
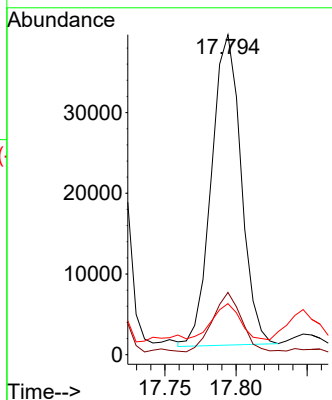
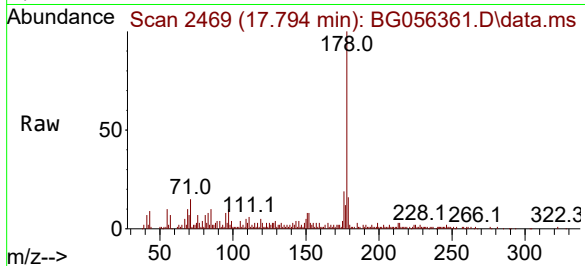




#72
 Anthracene
 Concen: 3.511 ng
 RT: 17.794 min Scan# 2472
 Delta R.T. -0.000 min
 Lab File: BG056361.D
 Acq: 20 Jan 2023 00:36

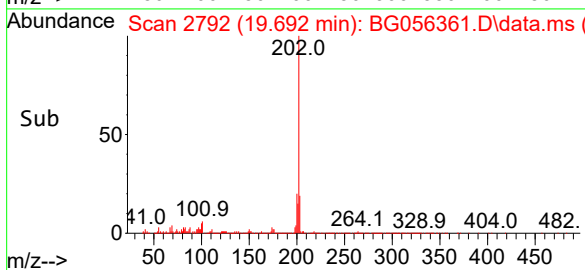
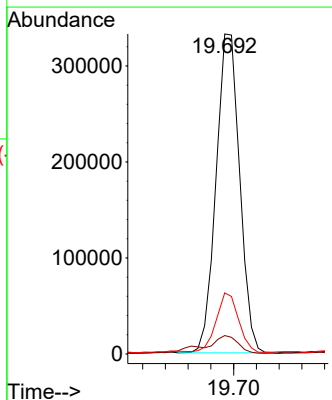
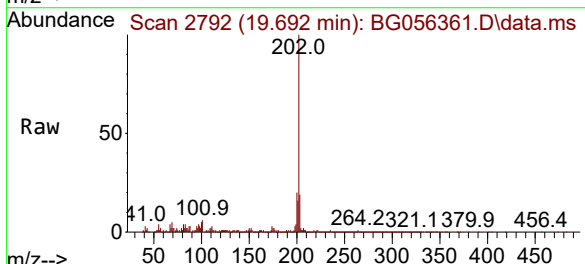
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-011823

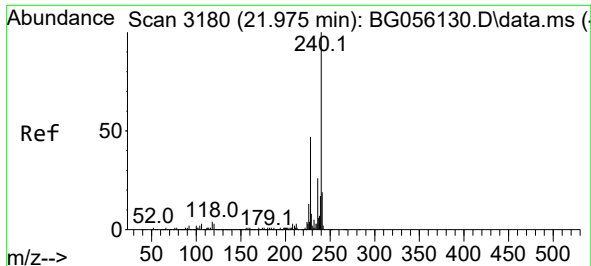
Tgt Ion:178 Resp: 55829
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.6 22.0
 179 16.0 12.7 19.1



#75
 Fluoranthene
 Concen: 23.817 ng
 RT: 19.692 min Scan# 2792
 Delta R.T. -0.000 min
 Lab File: BG056361.D
 Acq: 20 Jan 2023 00:36

Tgt Ion:202 Resp: 478841
 Ion Ratio Lower Upper
 202 100
 101 5.8 0.0 25.0
 203 19.1 0.0 38.0

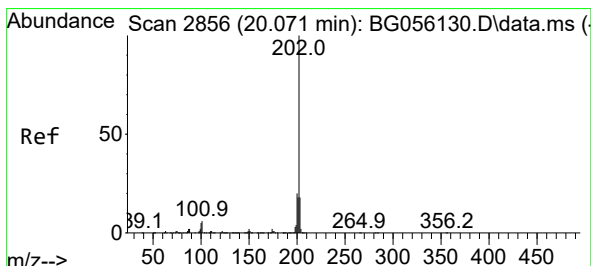
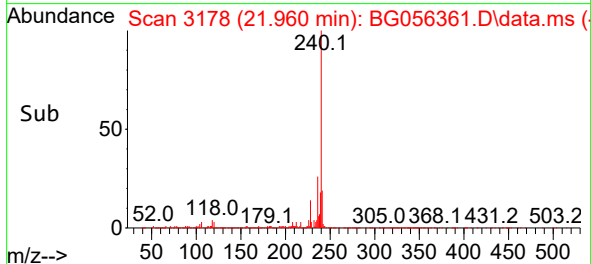
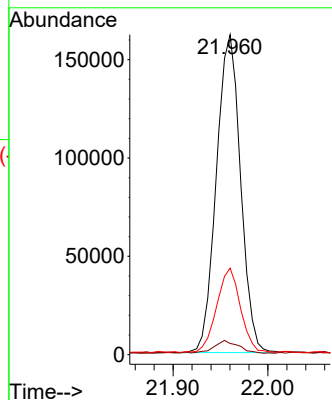
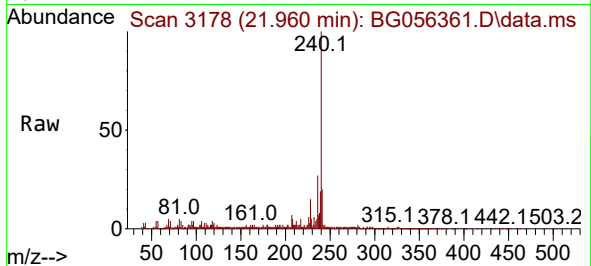




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.960 min Scan# 3180
Delta R.T. 0.005 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

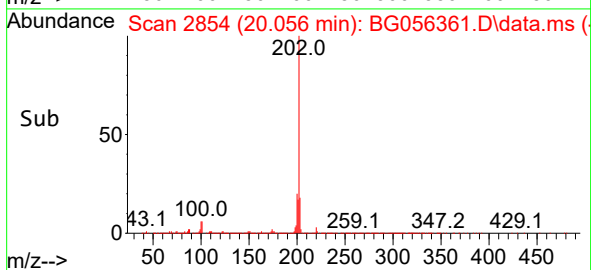
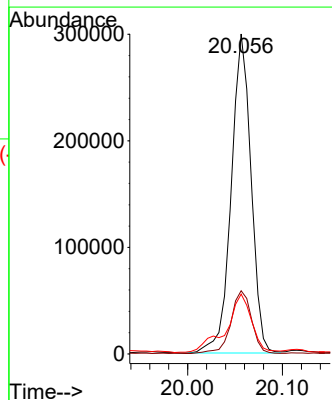
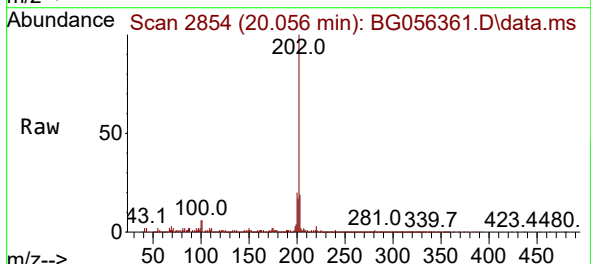
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

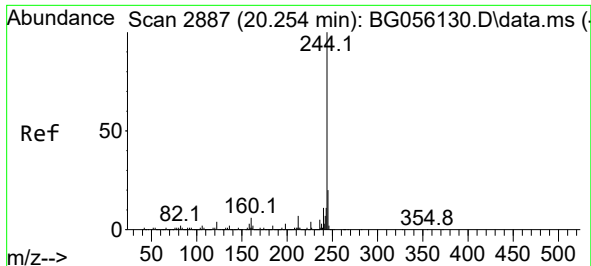
Tgt Ion:240 Resp: 286634
Ion Ratio Lower Upper
240 100
120 3.5 2.6 4.0
236 27.0 20.8 31.2



#78
Pyrene
Concen: 21.521 ng
RT: 20.056 min Scan# 2854
Delta R.T. 0.005 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion:202 Resp: 434800
Ion Ratio Lower Upper
202 100
200 19.8 16.4 24.6
203 18.7 14.3 21.5

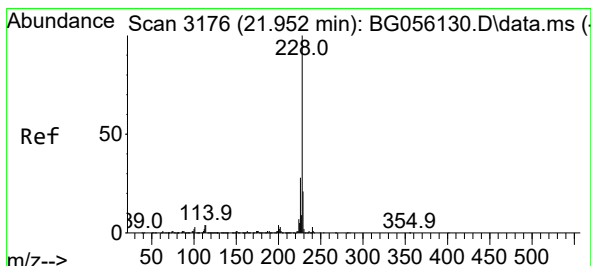
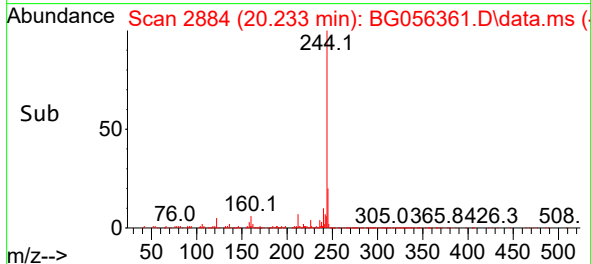
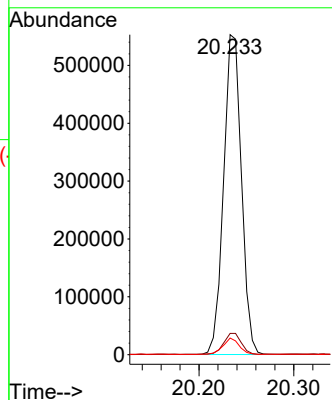
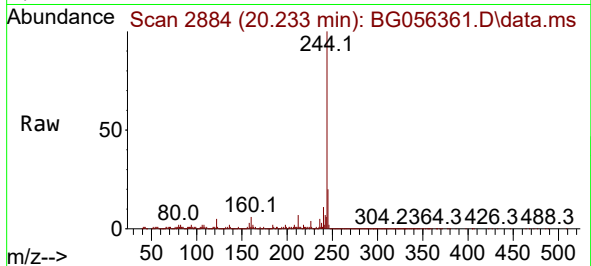




#79
 Terphenyl-d14
 Concen: 45.135 ng
 RT: 20.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG056361.D
 Acq: 20 Jan 2023 00:36

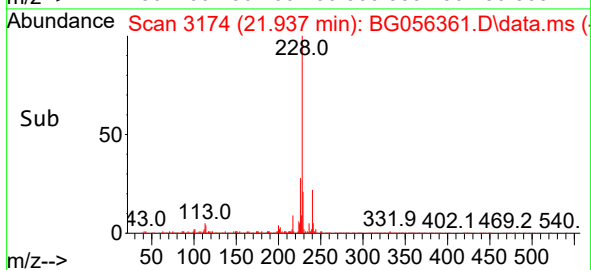
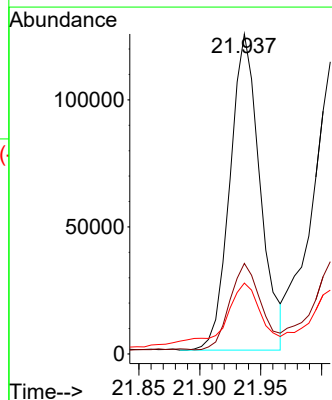
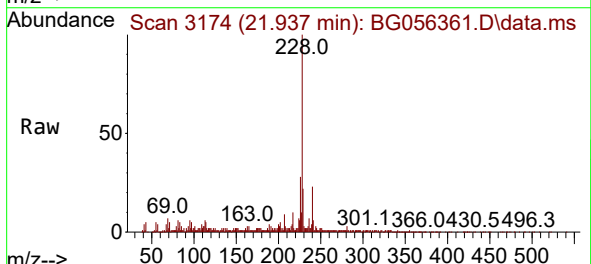
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-011823

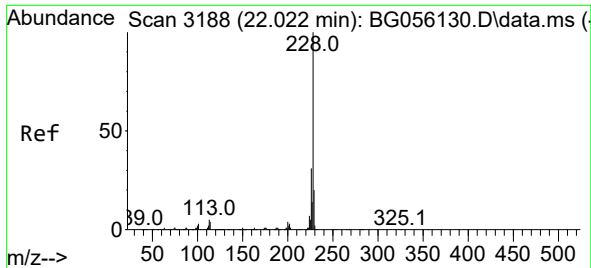
Tgt Ion:244 Resp: 722320
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 5.2 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 10.671 ng
 RT: 21.937 min Scan# 3174
 Delta R.T. 0.005 min
 Lab File: BG056361.D
 Acq: 20 Jan 2023 00:36

Tgt Ion:228 Resp: 214839
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 34.0
 229 22.2 16.9 25.3





#83

Chrysene

Concen: 11.686 ng

RT: 22.007 min Scan# 3186

Delta R.T. 0.005 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

Instrument :

BNA_G

ClientSampleId :

PL-02-011823

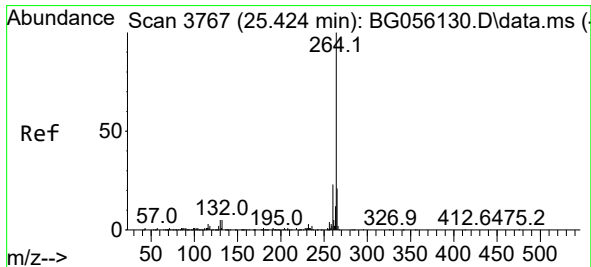
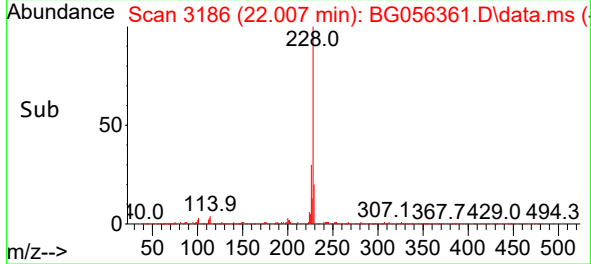
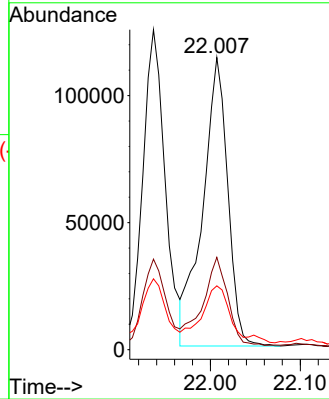
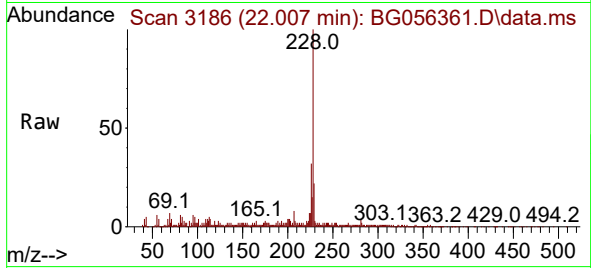
Tgt Ion:228 Resp: 220383

Ion Ratio Lower Upper

228 100

226 31.6 24.6 36.8

229 21.9 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.415 min Scan# 3766

Delta R.T. 0.023 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

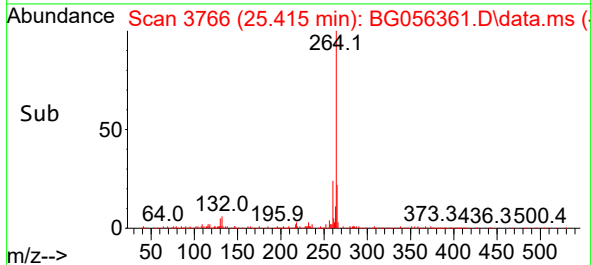
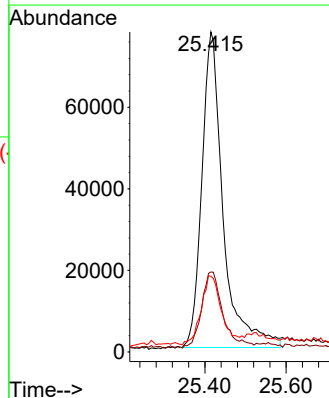
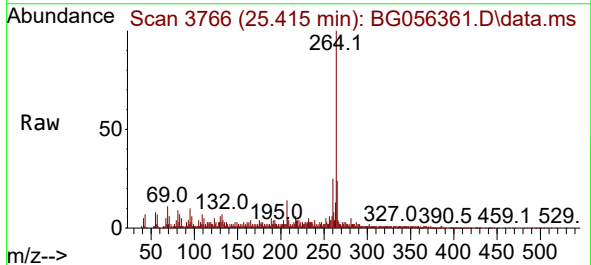
Tgt Ion:264 Resp: 280983

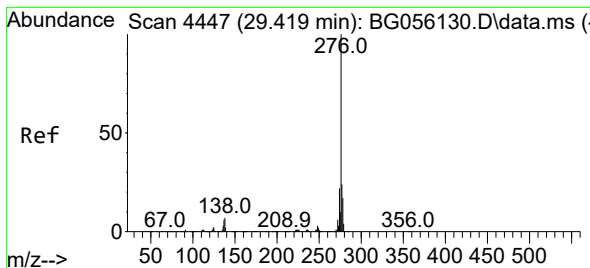
Ion Ratio Lower Upper

264 100

260 25.0 18.6 28.0

265 23.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.385 ng

RT: 29.398 min Scan# 4444

Delta R.T. 0.041 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

Instrument :

BNA_G

ClientSampleId :

PL-02-011823

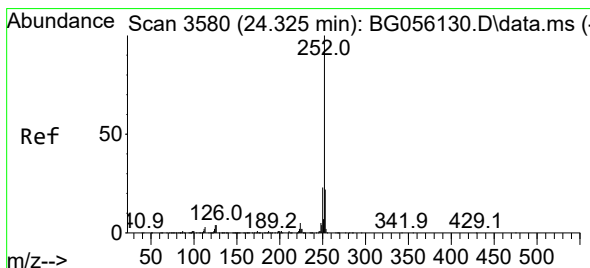
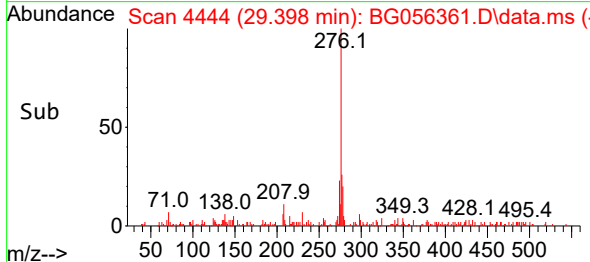
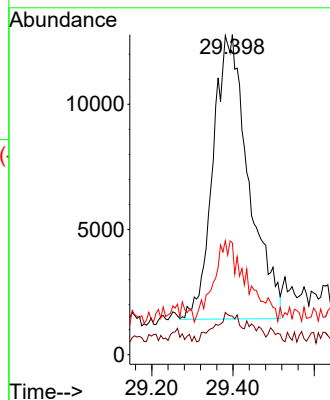
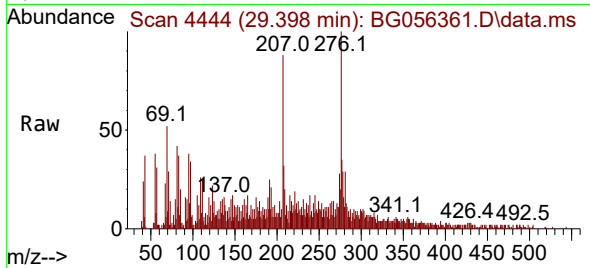
Tgt Ion:276 Resp: 69167

Ion Ratio Lower Upper

276 100

138 7.0 5.0 7.4

277 25.5 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 13.929 ng

RT: 24.310 min Scan# 3578

Delta R.T. 0.017 min

Lab File: BG056361.D

Acq: 20 Jan 2023 00:36

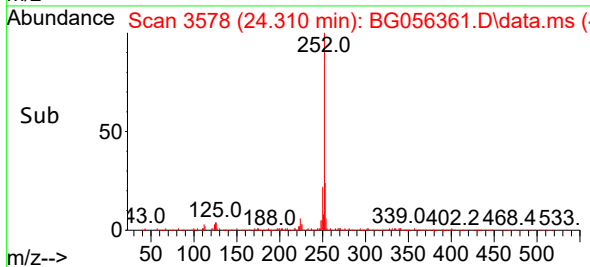
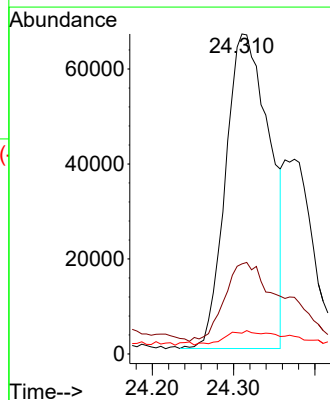
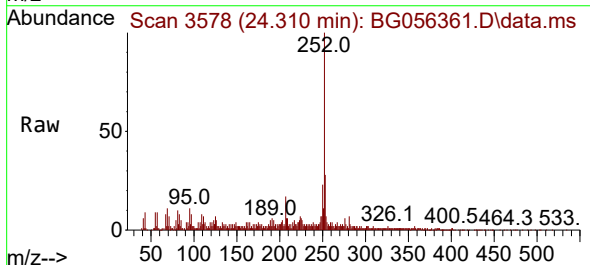
Tgt Ion:252 Resp: 248665

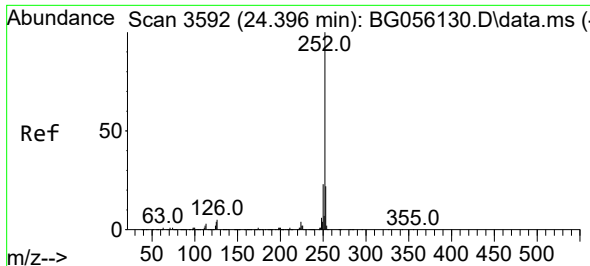
Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.2#

125 6.5 3.0 4.4#

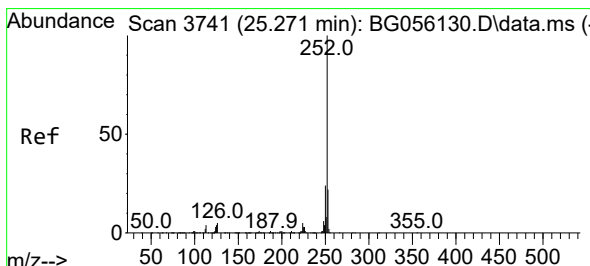
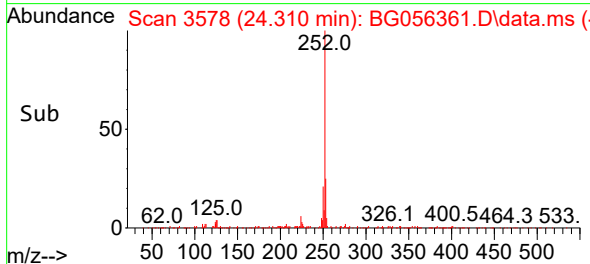
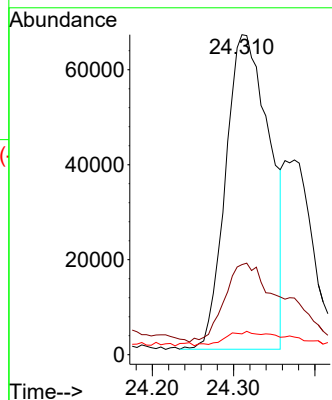
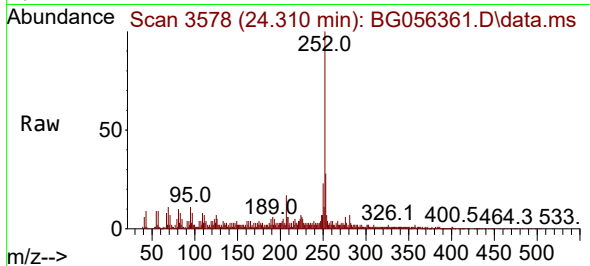




#89
Benzo(k)fluoranthene
Concen: 13.988 ng
RT: 24.310 min Scan# 31
Delta R.T. -0.059 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

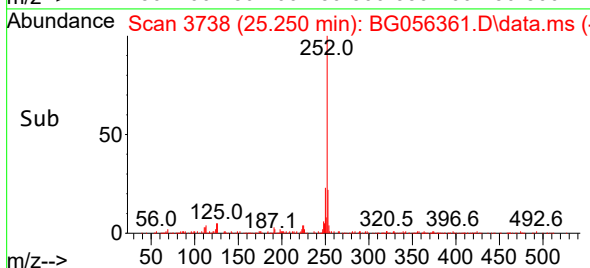
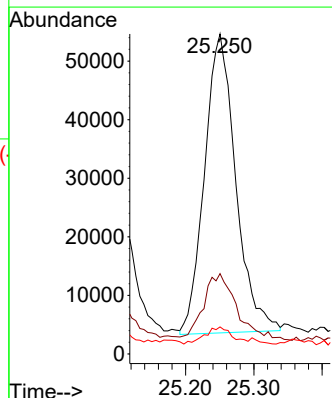
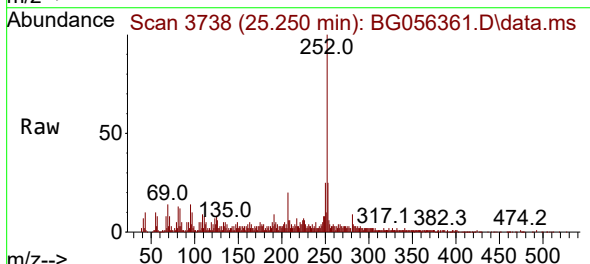
Instrument :
BNA_G
ClientSampleId :
PL-02-011823

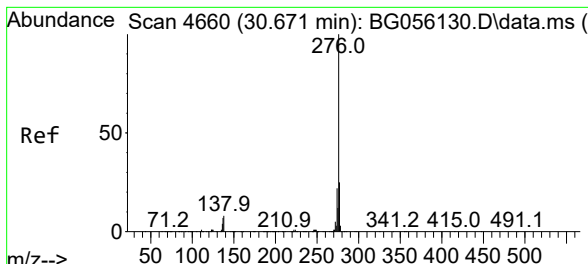
Tgt Ion:252 Resp: 248665
Ion Ratio Lower Upper
252 100
253 28.1 17.5 26.3#
125 6.5 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 9.321 ng
RT: 25.250 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BG056361.D
Acq: 20 Jan 2023 00:36

Tgt Ion:252 Resp: 162303
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 8.4 3.2 4.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.365 ng
 RT: 30.638 min Scan# 4
 Delta R.T. 0.041 min
 Lab File: BG056361.D
 Acq: 20 Jan 2023 00:36

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-011823

Tgt Ion: 276 Resp: 55914

Ion	Ratio	Lower	Upper
276	100		
277	32.1	19.7	29.5#
138	11.4	6.7	10.1#

