

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056289.D
 Acq On : 13 Jan 2023 22:44
 Operator : CG/JU
 Sample : 01124-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-3

Quant Time: Jan 16 00:26:10 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 12 03:38:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

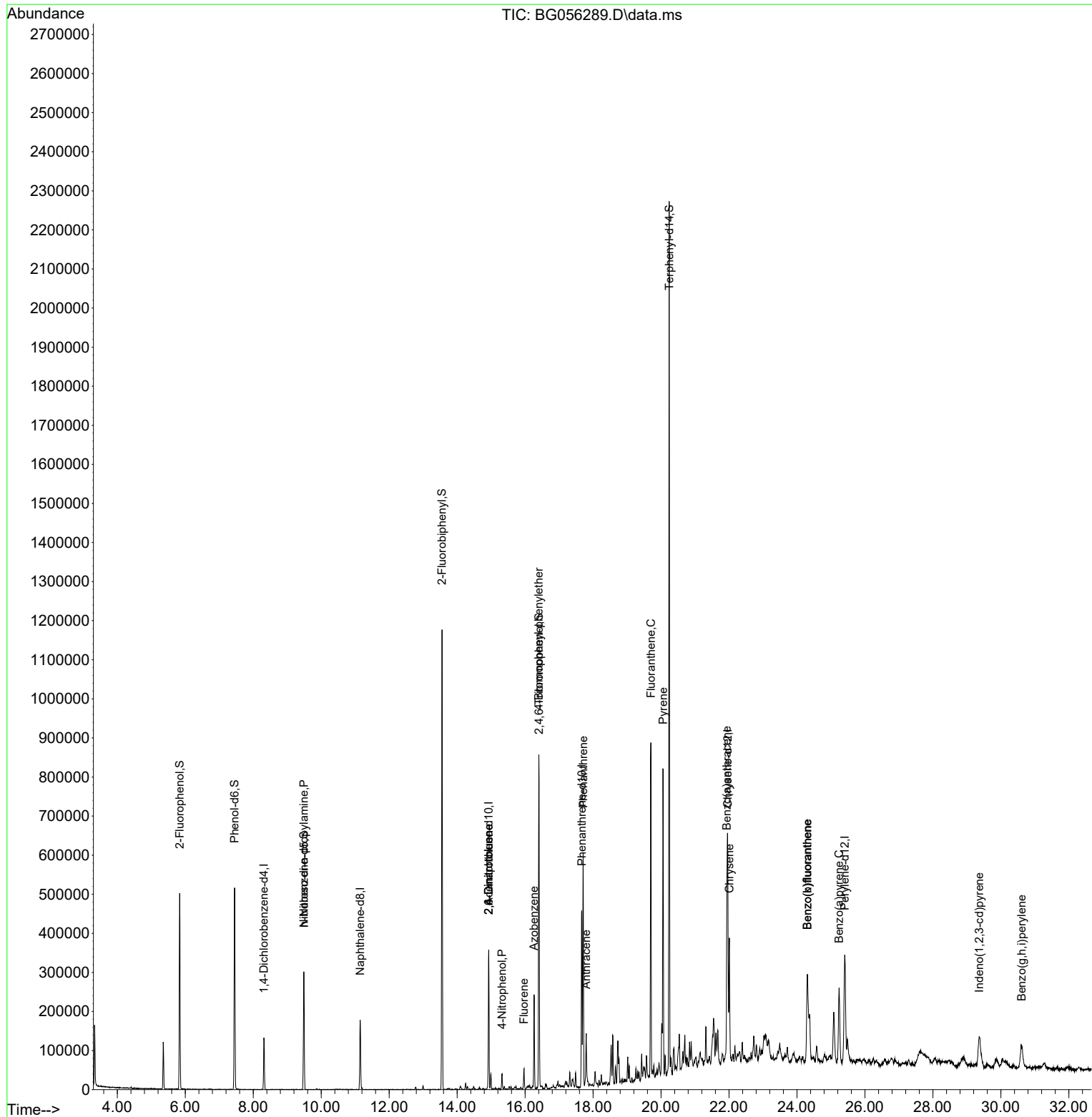
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	43672	20.000	ng	0.00
21) Naphthalene-d8	11.146	136	162783	20.000	ng	0.00
39) Acenaphthene-d10	14.930	164	133492	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	323396	20.000	ng	0.00
76) Chrysene-d12	21.963	240	315275	20.000	ng	0.00
86) Perylene-d12	25.406	264	351296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	274982	112.424	ng	0.00
7) Phenol-d6	7.451	99	398352	106.050	ng	0.00
23) Nitrobenzene-d5	9.490	82	216925	68.165	ng	0.00
42) 2,4,6-Tribromophenol	16.411	330	169996	100.550	ng	0.00
45) 2-Fluorobiphenyl	13.555	172	658532	68.121	ng	0.00
79) Terphenyl-d14	20.242	244	1211219	68.808	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.490	70	27660	12.110	ng	# 70
51) 2,6-Dinitrotoluene	14.924	165	17932	7.809	ng	# 32
56) 4-Nitrophenol	15.324	139	8318	4.949	ng	# 5
57) 2,4-Dinitrotoluene	14.924	165	17932	5.584	ng	# 29
58) Fluorene	15.970	166	22227	2.091	ng	98
63) Azobenzene	16.264	77	62054	7.957	ng	# 1
67) 4-Bromophenyl-phenylether	16.405	248	14580	3.540	ng	# 1
71) Phenanthrene	17.709	178	408124	24.352	ng	97
72) Anthracene	17.797	178	95795	5.541	ng	97
75) Fluoranthene	19.701	202	600773	27.481	ng	98
78) Pyrene	20.060	202	529181	23.813	ng	99
81) Benzo(a)anthracene	21.940	228	284802	12.861	ng	99
83) Chrysene	22.010	228	249829	12.044	ng	98
87) Indeno(1,2,3-cd)pyrene	29.366	276	156814	6.138	ng	# 96
88) Benzo(b)fluoranthene	24.308	252	332795	14.910	ng	# 99
89) Benzo(k)fluoranthene	24.308	252	332795	14.973	ng	100
90) Benzo(a)pyrene	25.242	252	238863	10.972	ng	97
92) Benzo(g,h,i)perylene	30.612	276	154323	7.429	ng	96

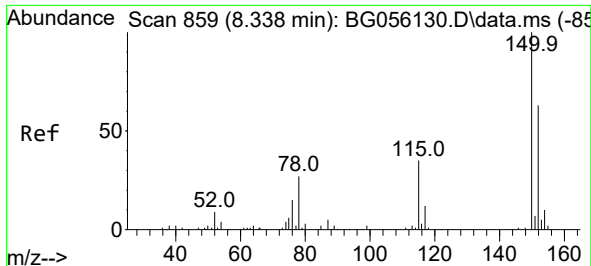
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 12 03:38:40 2023
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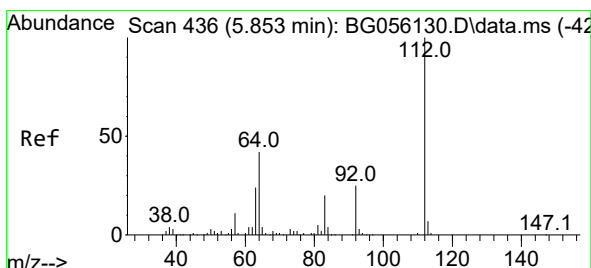
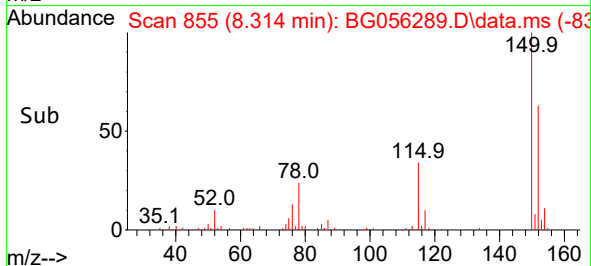
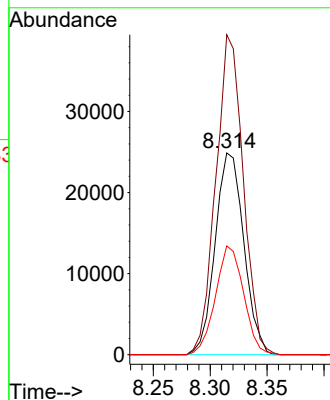
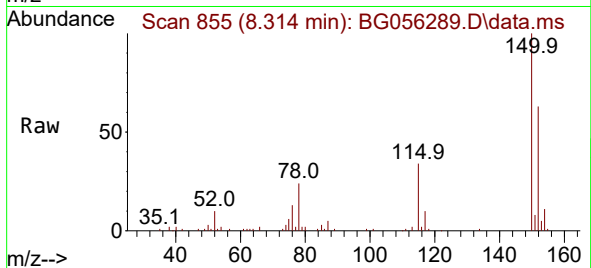




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.314 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

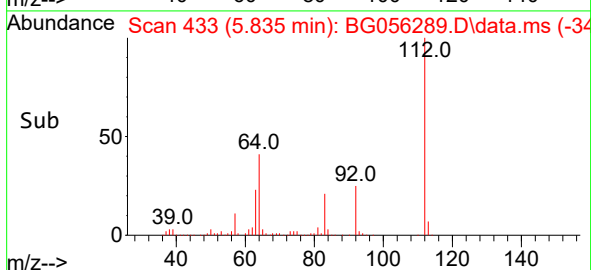
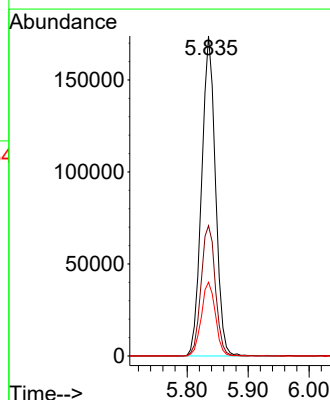
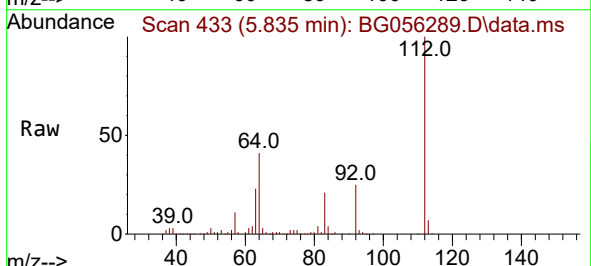
Instrument :
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ClientSampleId :
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Tgt Ion:152 Resp: 43672
Ion Ratio Lower Upper
152 100
150 158.6 127.9 191.9
115 53.9 44.2 66.2



#5
2-Fluorophenol
Concen: 112.424 ng
RT: 5.835 min Scan# 433
Delta R.T. 0.010 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:112 Resp: 274982
Ion Ratio Lower Upper
112 100
64 40.7 33.3 49.9
63 23.0 19.0 28.4

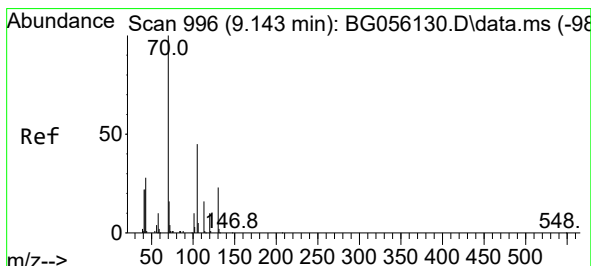
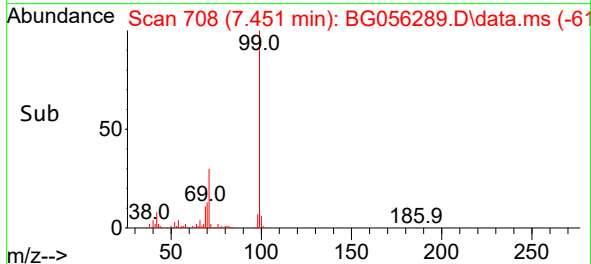
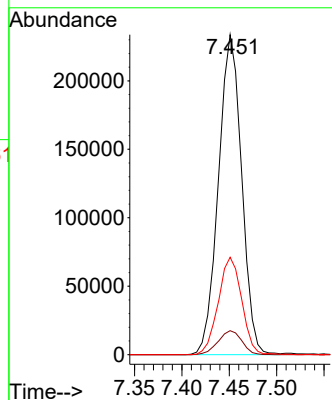
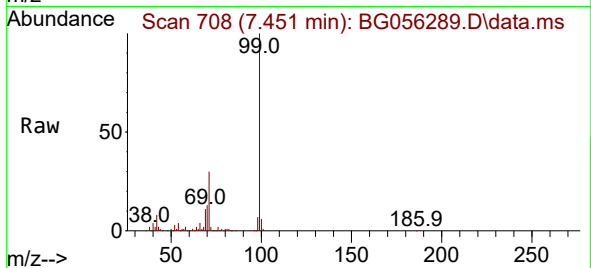




#7
Phenol-d6
Concen: 106.050 ng
RT: 7.451 min Scan# 711
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

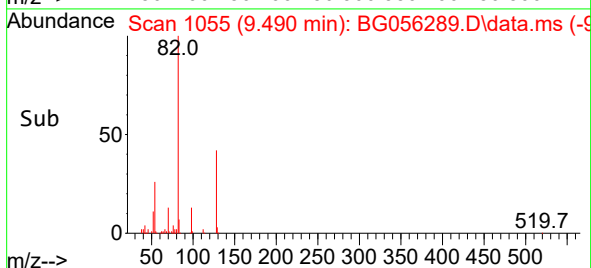
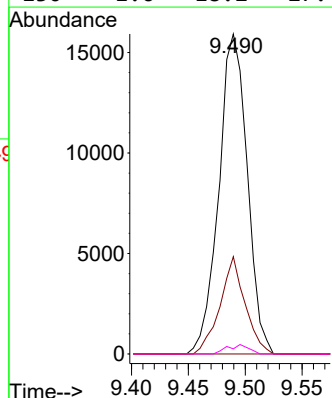
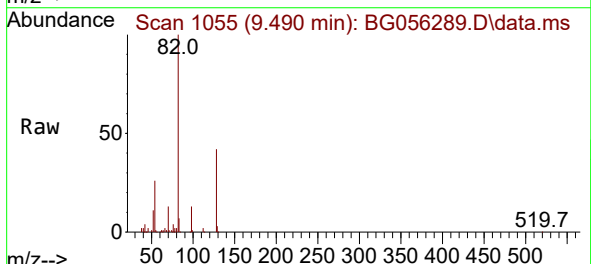
Instrument :
BNA_G
ClientSampleId :
WC-3

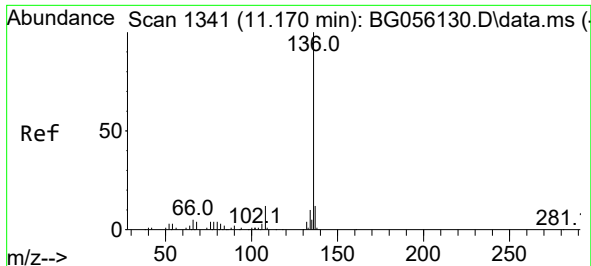
Tgt Ion: 99 Resp: 398352
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 30.5 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.110 ng
RT: 9.490 min Scan# 1055
Delta R.T. 0.374 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion: 70 Resp: 27660
Ion Ratio Lower Upper
70 100
42 30.4 18.2 27.2#
101 0.0 8.3 12.5#
130 1.6 18.2 27.4#

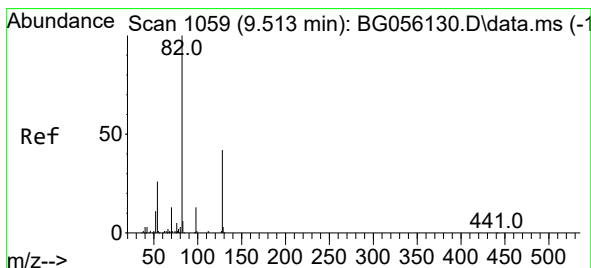
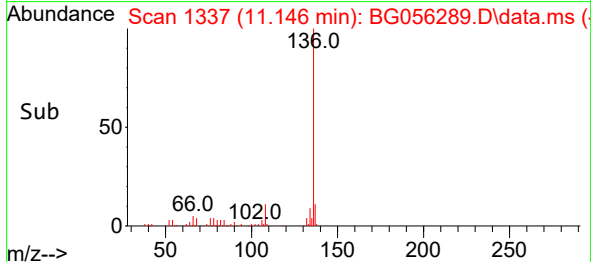
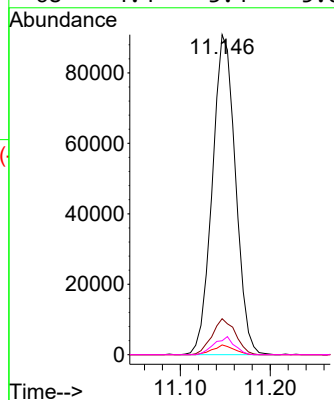
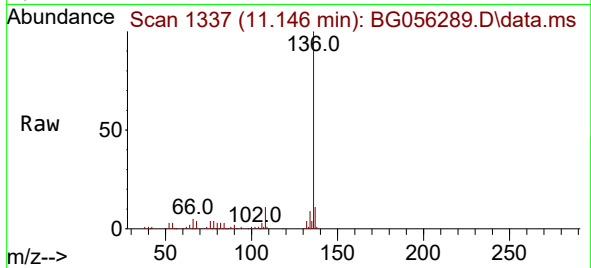




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.146 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

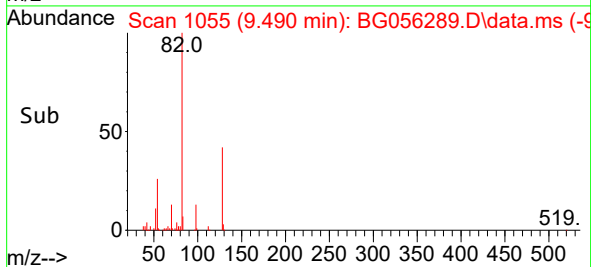
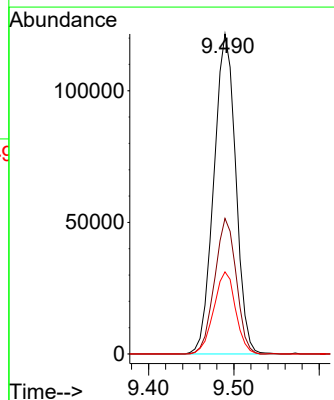
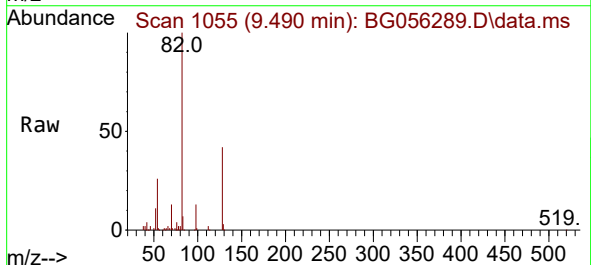
Instrument :
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ClientSampleId :
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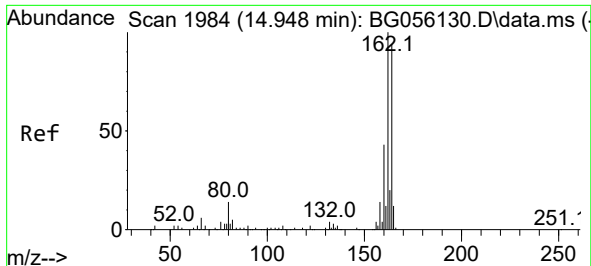
Tgt Ion:136 Resp: 162783
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 3.0 2.2 3.2
68 4.4 3.4 5.0



#23
Nitrobenzene-d5
Concen: 68.165 ng
RT: 9.490 min Scan# 1055
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion: 82 Resp: 216925
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.2
54 25.7 20.3 30.5

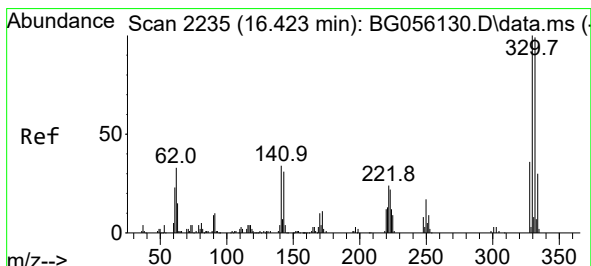
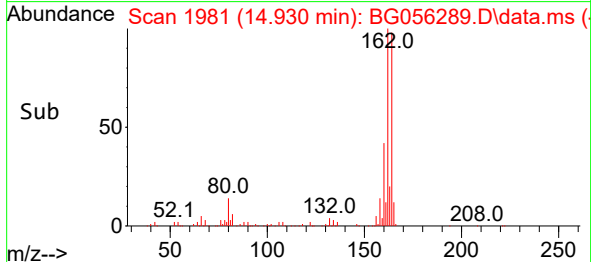
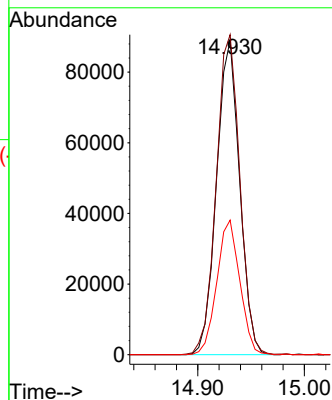
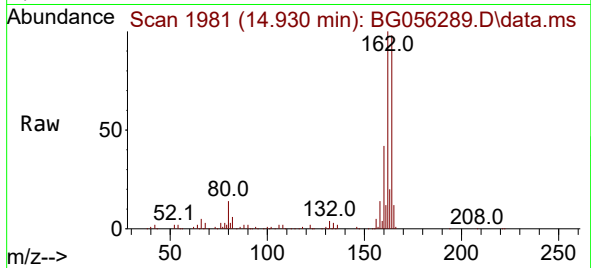




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.930 min Scan# 1984
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

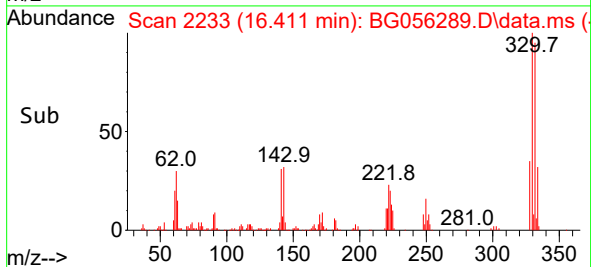
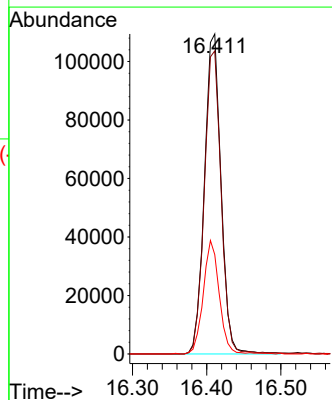
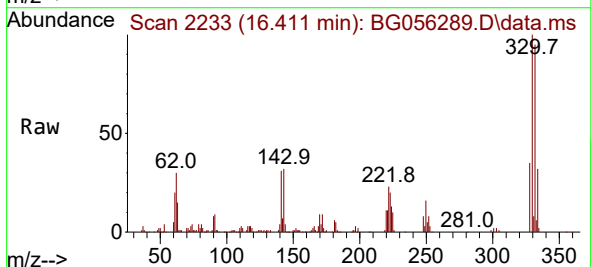
Instrument :
BNA_G
ClientSampleId :
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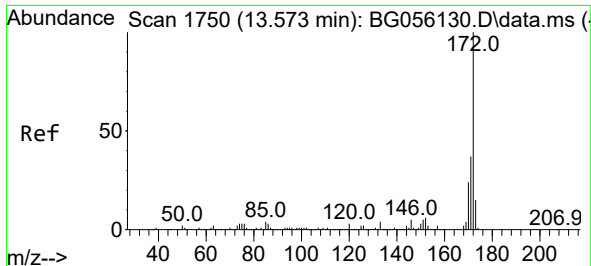
Tgt Ion:164 Resp: 133492
Ion Ratio Lower Upper
164 100
162 101.8 84.7 127.1
160 42.8 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 100.550 ng
RT: 16.411 min Scan# 2233
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:330 Resp: 169996
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 34.1 27.9 41.9

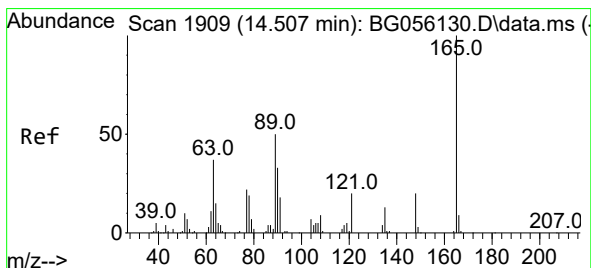
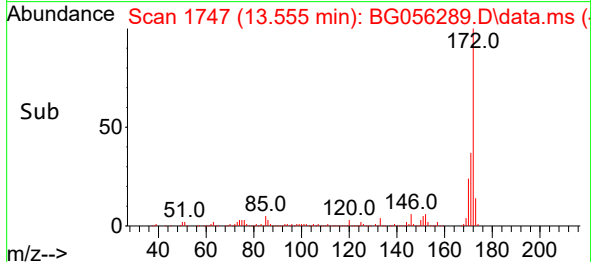
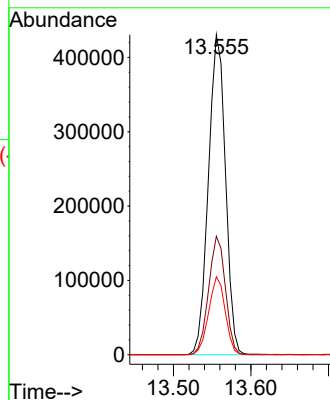
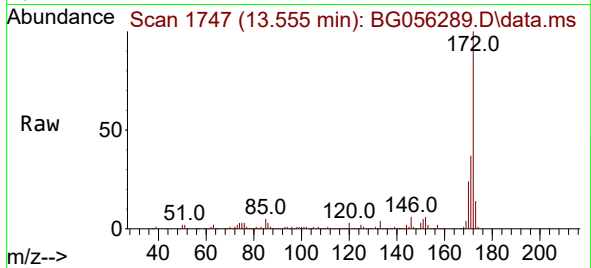




#45
2-Fluorobiphenyl
Concen: 68.121 ng
RT: 13.555 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

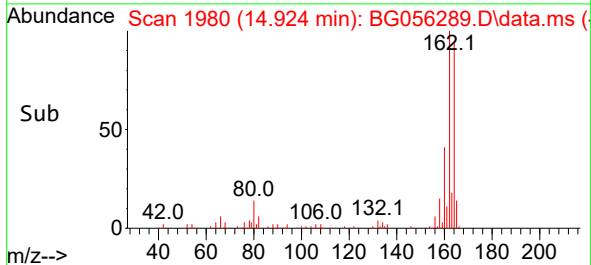
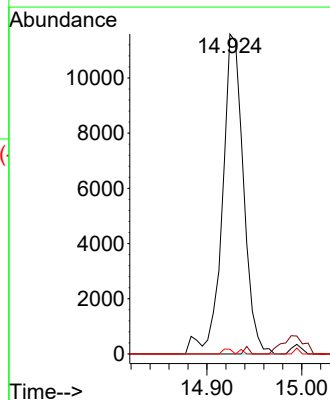
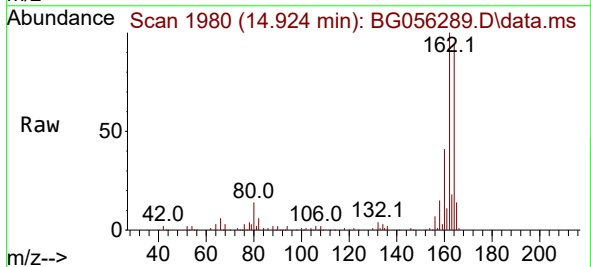
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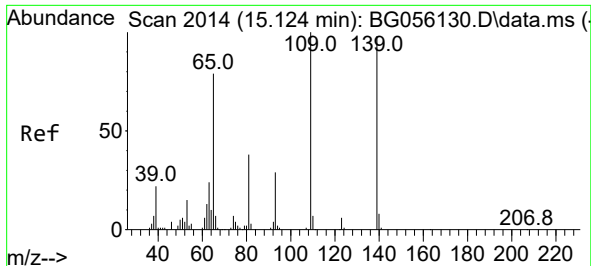
Tgt Ion:172 Resp: 658532
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.3 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.809 ng
RT: 14.924 min Scan# 1980
Delta R.T. 0.433 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:165 Resp: 17932
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.4 39.8 59.8#

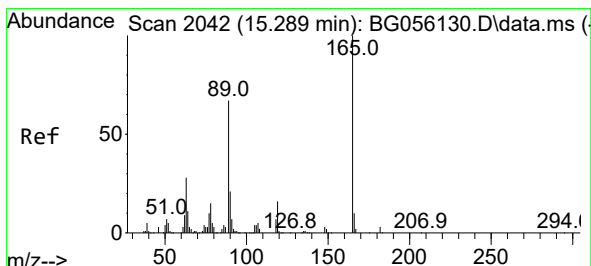
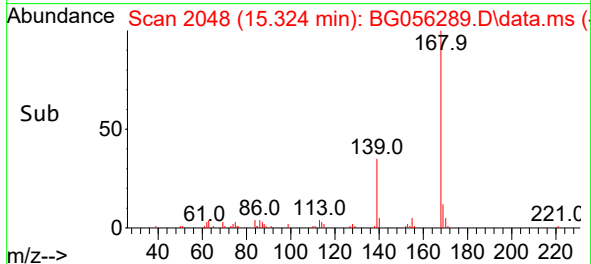
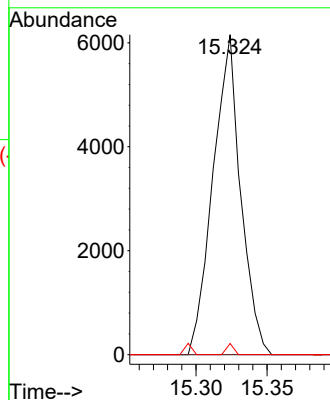
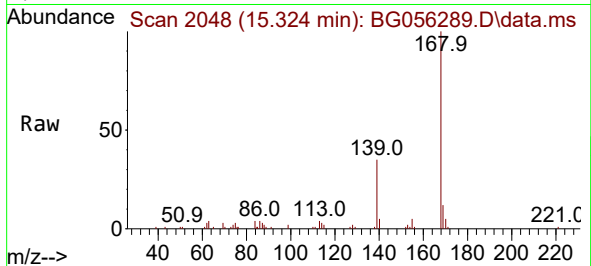




#56
4-Nitrophenol
Concen: 4.949 ng
RT: 15.324 min Scan# 2014
Delta R.T. 0.215 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

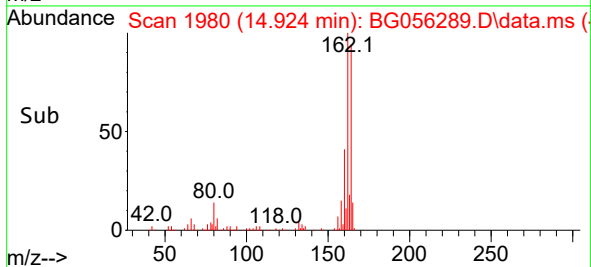
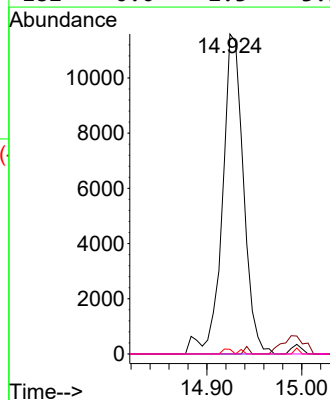
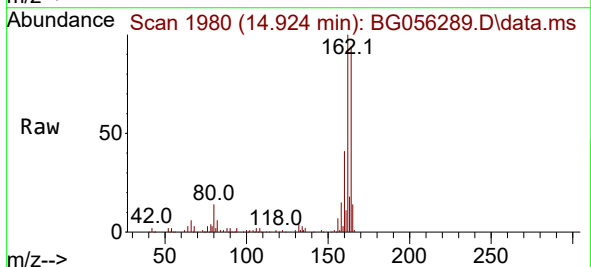
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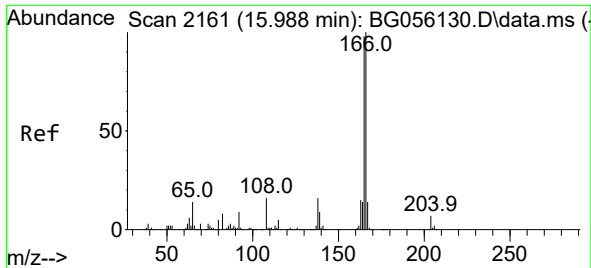
Tgt Ion:139 Resp: 8318
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 3.5 60.6 100.6#



#57
2,4-Dinitrotoluene
Concen: 5.584 ng
RT: 14.924 min Scan# 1980
Delta R.T. -0.349 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:165 Resp: 17932
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.4 53.2 79.8#
182 0.0 2.3 3.5#

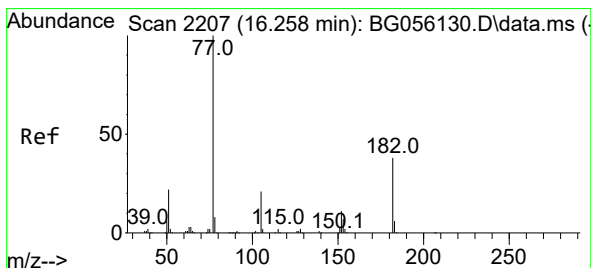
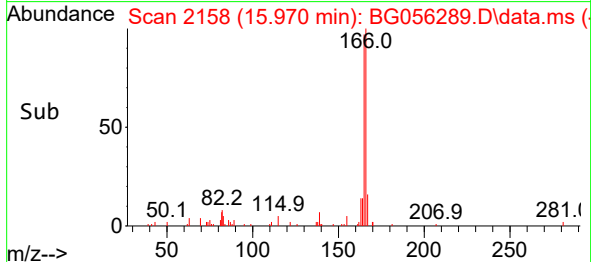
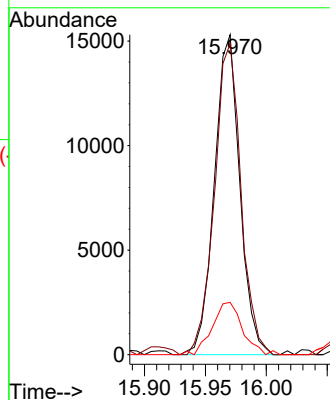
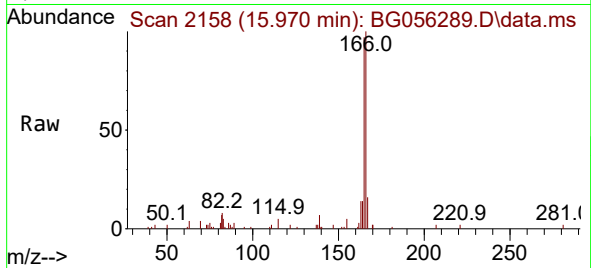




#58
Fluorene
Concen: 2.091 ng
RT: 15.970 min Scan# 2161
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

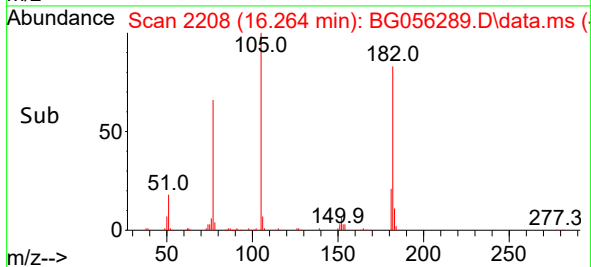
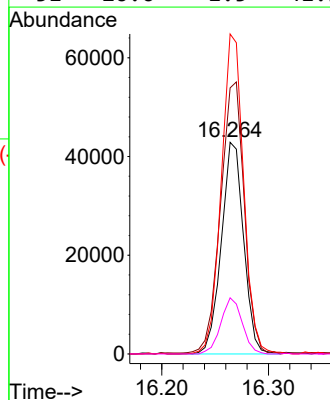
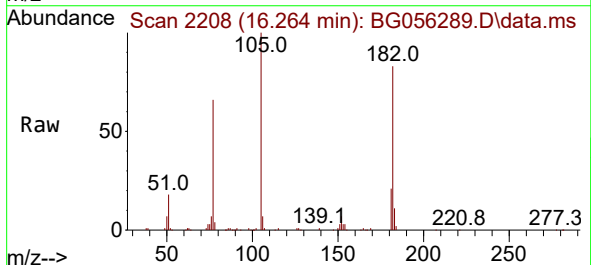
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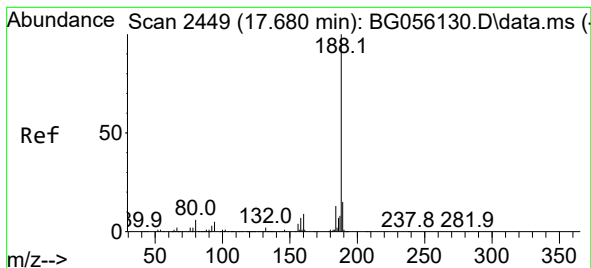
Tgt Ion:166 Resp: 22227
Ion Ratio Lower Upper
166 100
165 97.2 78.6 118.0
167 16.4 11.1 16.7



#63
Azobenzene
Concen: 7.957 ng
RT: 16.264 min Scan# 2208
Delta R.T. 0.021 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion: 77 Resp: 62054
Ion Ratio Lower Upper
77 100
182 125.7 18.5 58.5#
105 151.1 1.4 41.4#
51 26.6 1.5 41.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.668 min Scan# 2447

Delta R.T. 0.004 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

WC-3

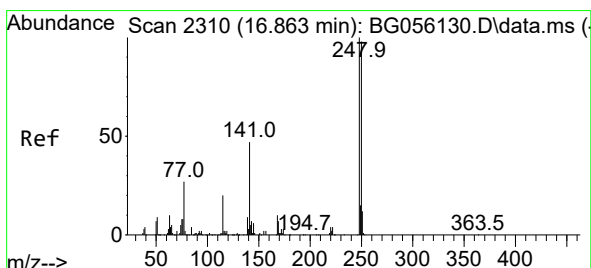
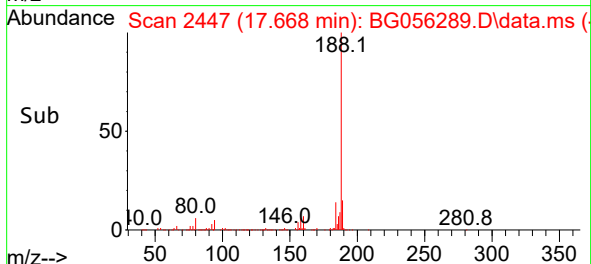
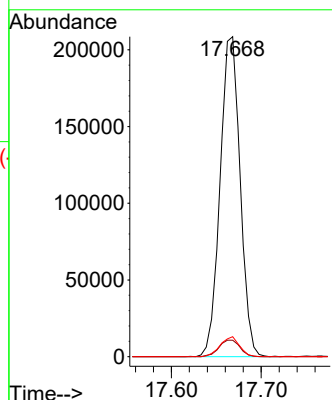
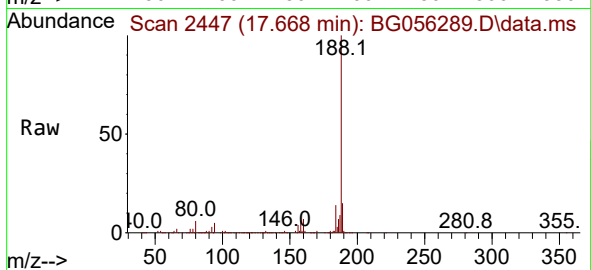
Tgt Ion:188 Resp: 323396

Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.2

80 6.3 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 3.540 ng

RT: 16.405 min Scan# 2232

Delta R.T. -0.443 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

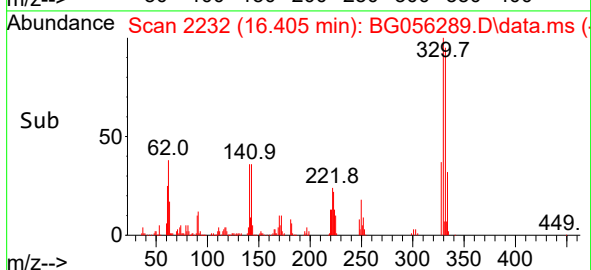
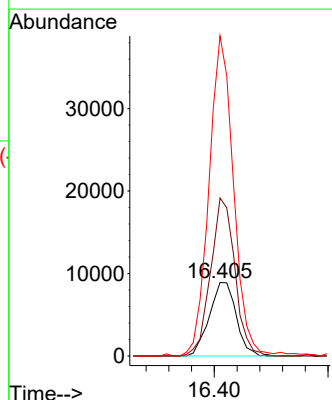
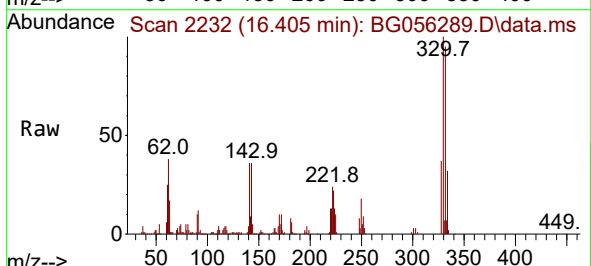
Tgt Ion:248 Resp: 14580

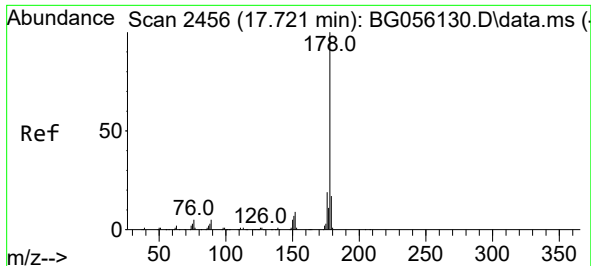
Ion Ratio Lower Upper

248 100

250 162.1 78.2 117.4#

141 328.3 37.6 56.4#

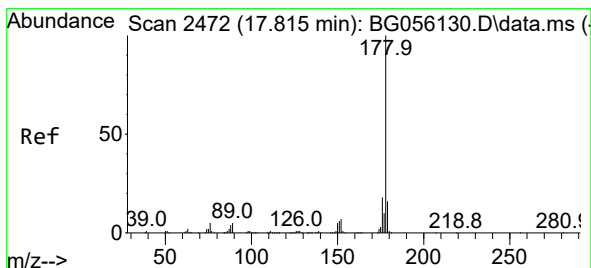
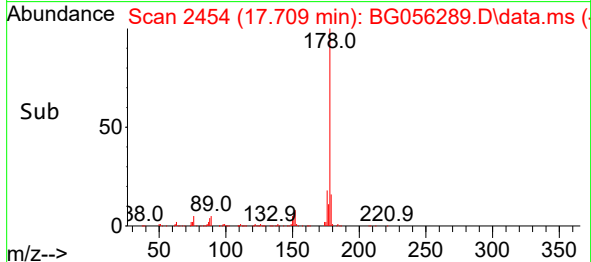
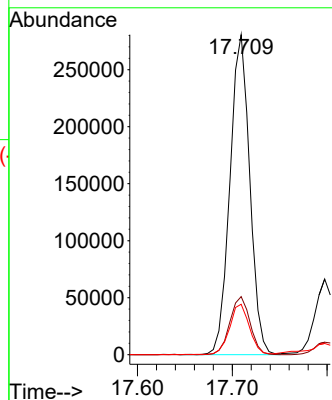
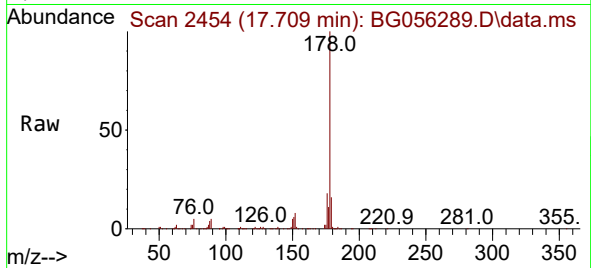




#71
Phenanthrene
Concen: 24.352 ng
RT: 17.709 min Scan# 2456
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

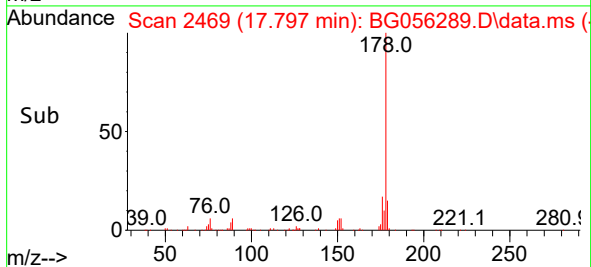
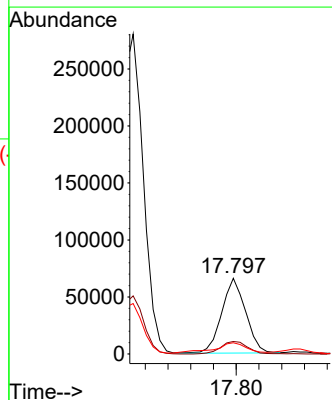
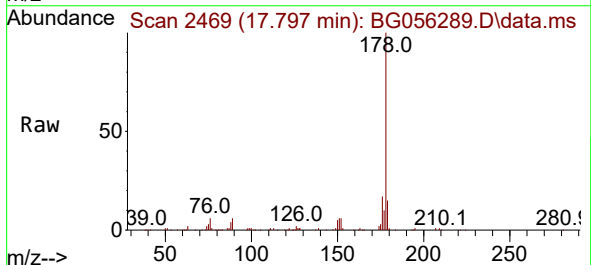
Instrument :
BNA_G
ClientSampleId :
WC-3

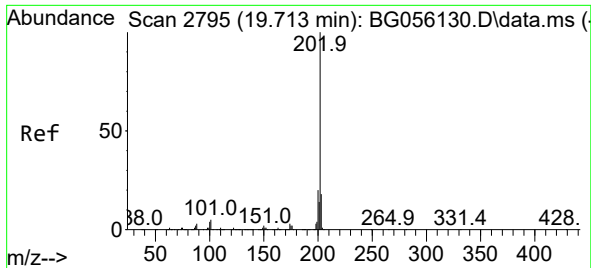
Tgt Ion:178 Resp: 408124
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 15.8 13.6 20.4



#72
Anthracene
Concen: 5.541 ng
RT: 17.797 min Scan# 2469
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:178 Resp: 95795
Ion Ratio Lower Upper
178 100
176 16.5 14.6 22.0
179 14.9 12.7 19.1

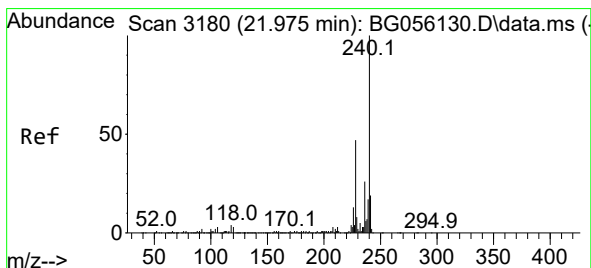
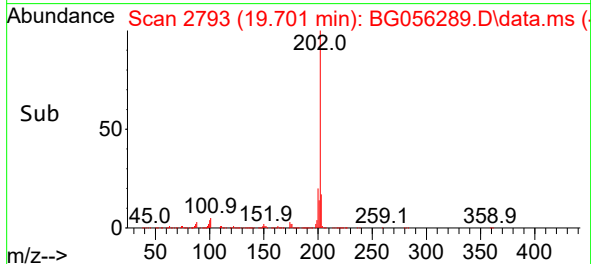
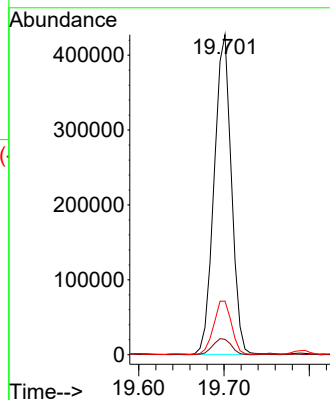
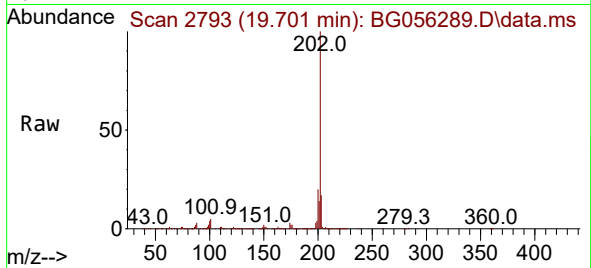




#75
Fluoranthene
Concen: 27.481 ng
RT: 19.701 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

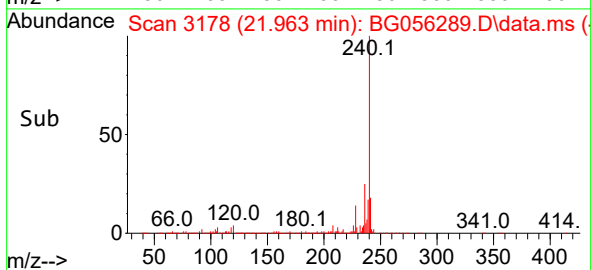
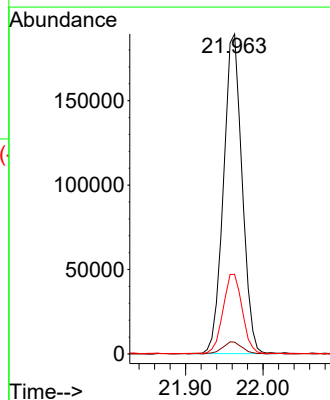
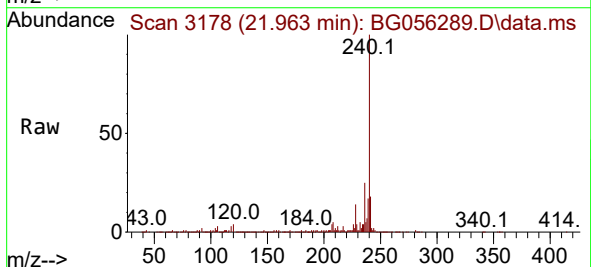
Instrument :
BNA_G
ClientSampleId :
WC-3

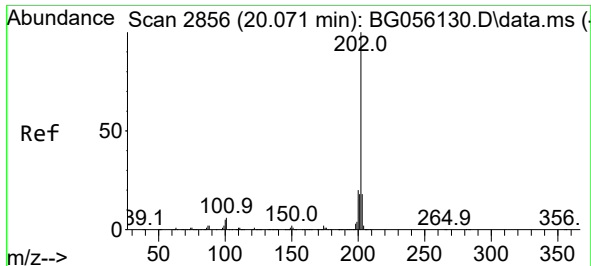
Tgt Ion:202 Resp: 600773
Ion Ratio Lower Upper
202 100
101 4.8 0.0 25.0
203 16.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.963 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:240 Resp: 315275
Ion Ratio Lower Upper
240 100
120 3.7 2.6 4.0
236 24.9 20.8 31.2

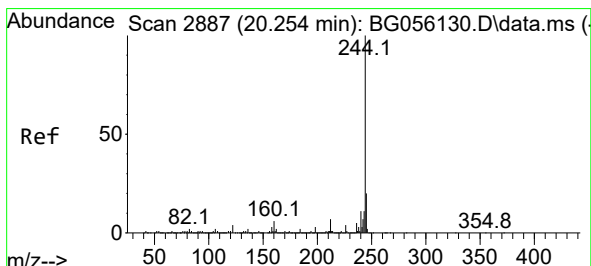
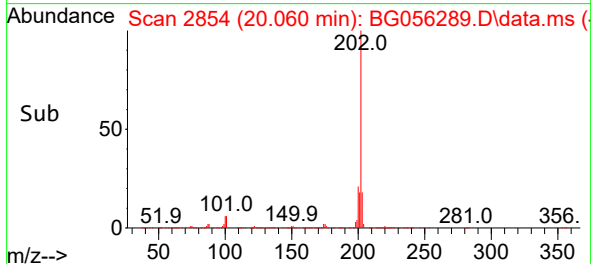
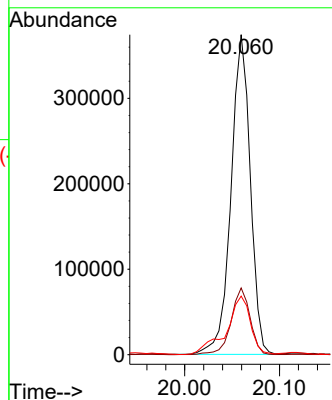
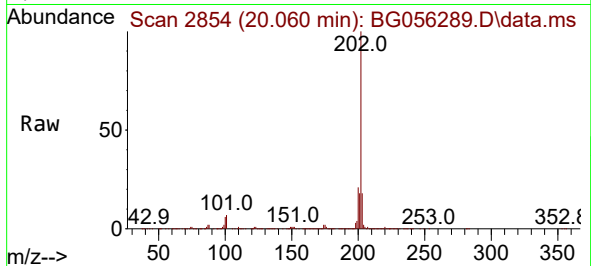




#78
 Pyrene
 Concen: 23.813 ng
 RT: 20.060 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG056289.D
 Acq: 13 Jan 2023 22:44

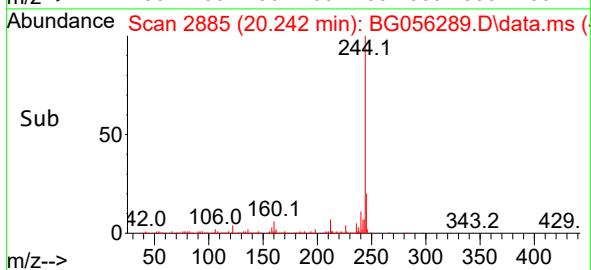
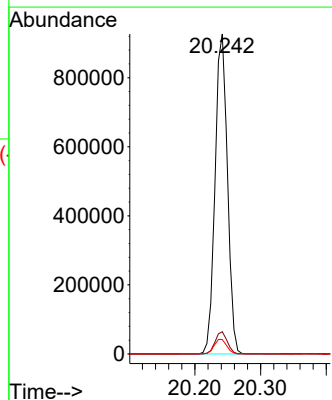
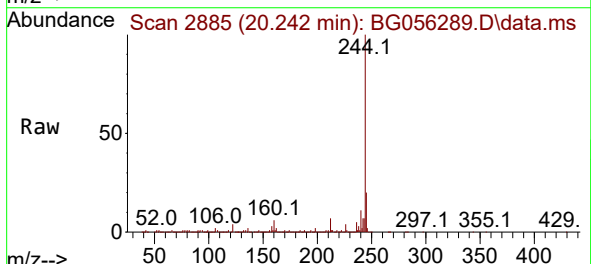
Instrument :
 BNA_G
 ClientSampleId :
 WC-3

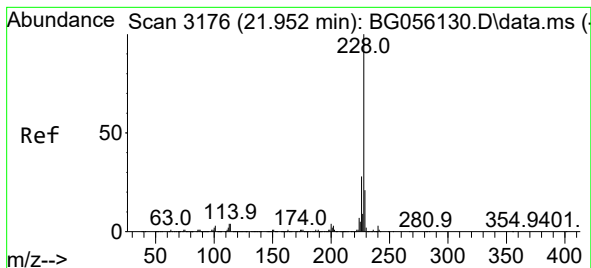
Tgt Ion:202 Resp: 529181
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.4 24.6
 203 18.3 14.3 21.5



#79
 Terphenyl-d14
 Concen: 68.808 ng
 RT: 20.242 min Scan# 2885
 Delta R.T. 0.004 min
 Lab File: BG056289.D
 Acq: 13 Jan 2023 22:44

Tgt Ion:244 Resp: 1211219
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 4.5 3.5 5.3





#81

Benzo(a)anthracene

Concen: 12.861 ng

RT: 21.940 min Scan# 3174

Delta R.T. -0.002 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

WC-3

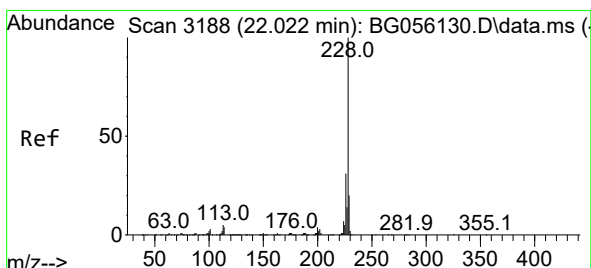
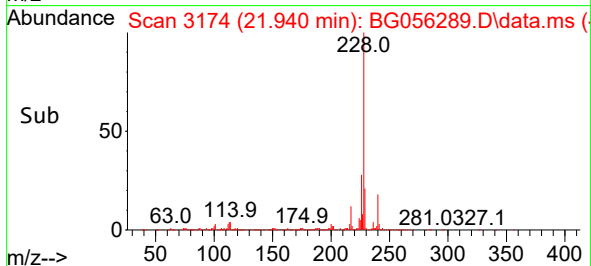
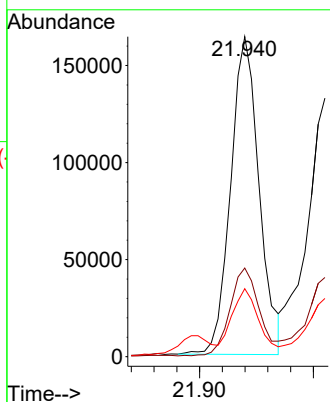
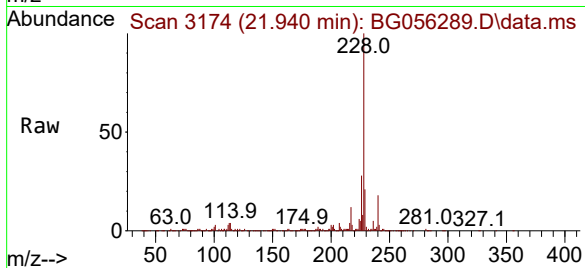
Tgt Ion:228 Resp: 284802

Ion Ratio Lower Upper

228 100

226 27.7 22.6 34.0

229 21.2 16.9 25.3



#83

Chrysene

Concen: 12.044 ng

RT: 22.010 min Scan# 3186

Delta R.T. -0.002 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

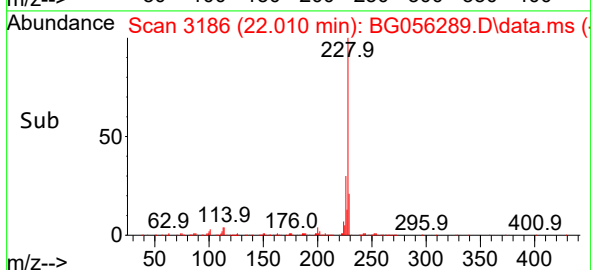
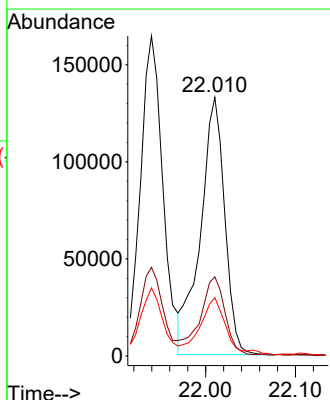
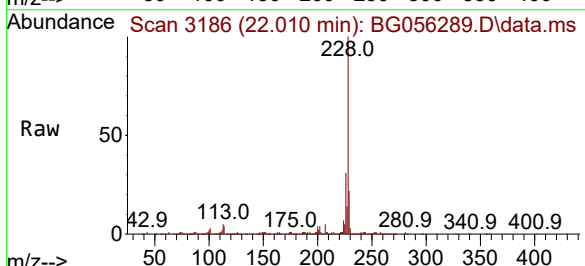
Tgt Ion:228 Resp: 249829

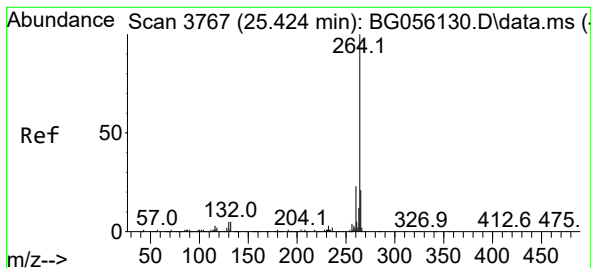
Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

229 22.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.406 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

WC-3

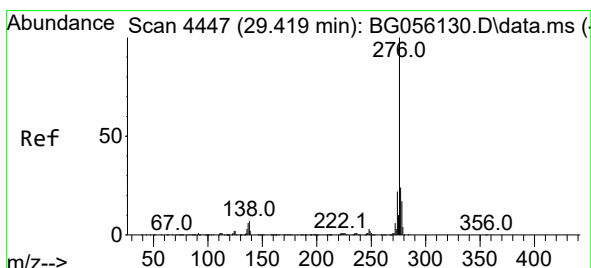
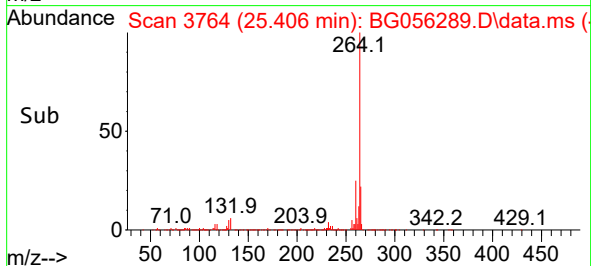
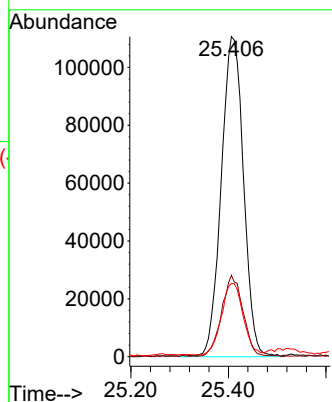
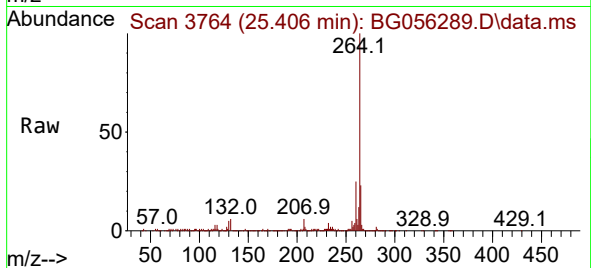
Tgt Ion:264 Resp: 351296

Ion Ratio Lower Upper

264 100

260 25.4 18.6 28.0

265 22.8 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.138 ng

RT: 29.366 min Scan# 4438

Delta R.T. 0.004 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

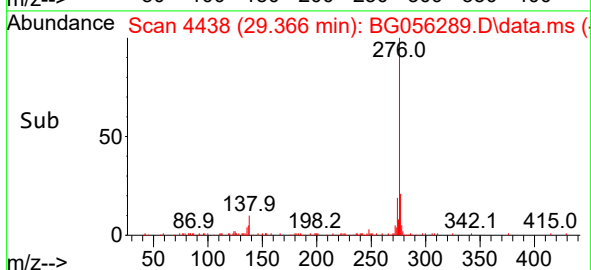
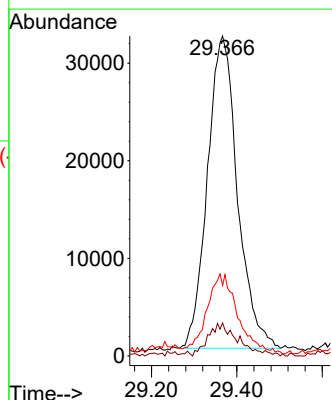
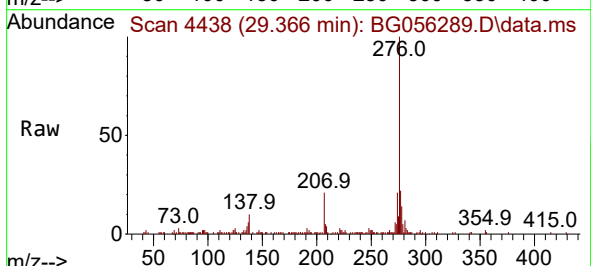
Tgt Ion:276 Resp: 156814

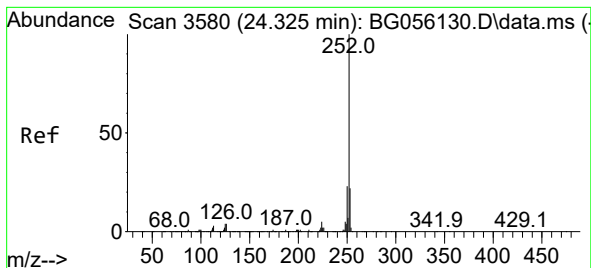
Ion Ratio Lower Upper

276 100

138 10.0 5.0 7.4#

277 26.5 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 14.910 ng

RT: 24.308 min Scan# 3577

Delta R.T. 0.010 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

Instrument :

BNA_G

ClientSampleId :

WC-3

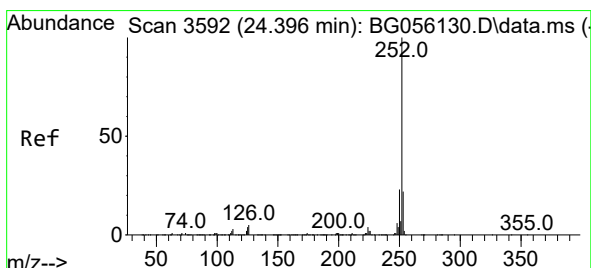
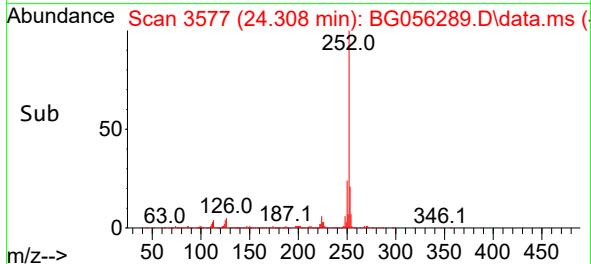
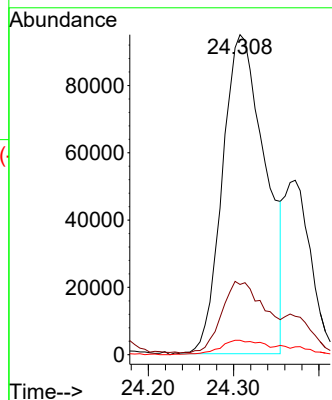
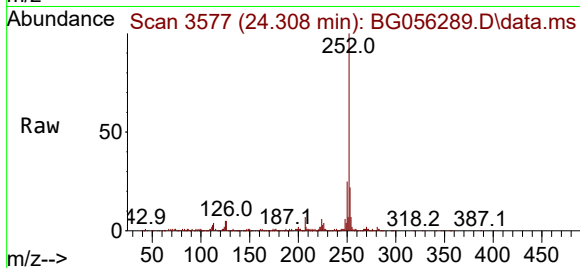
Tgt Ion:252 Resp: 332795

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 4.5 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 14.973 ng

RT: 24.308 min Scan# 3577

Delta R.T. -0.067 min

Lab File: BG056289.D

Acq: 13 Jan 2023 22:44

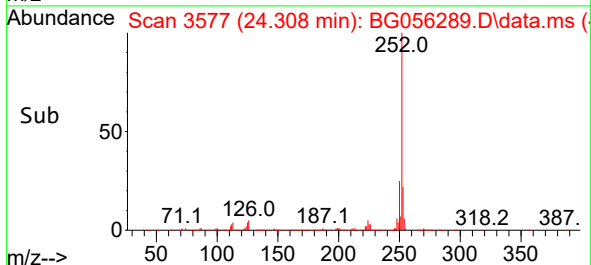
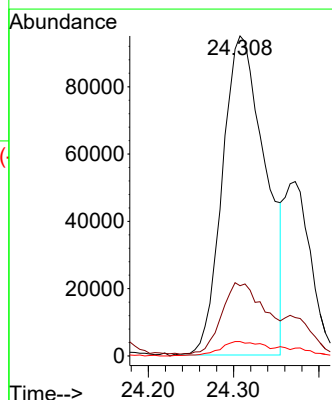
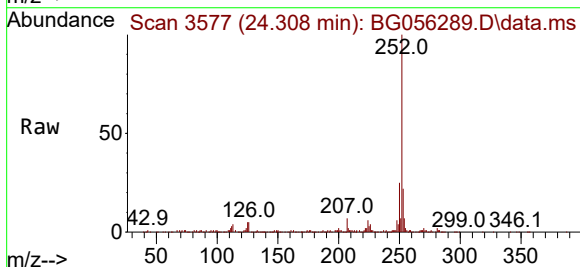
Tgt Ion:252 Resp: 332795

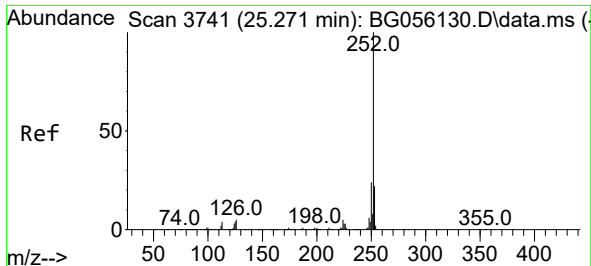
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 4.5 3.4 5.0

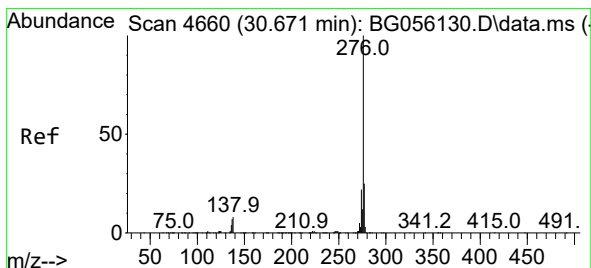
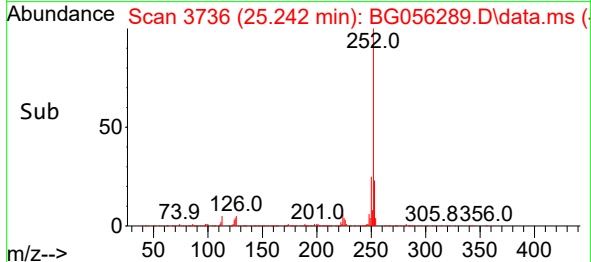
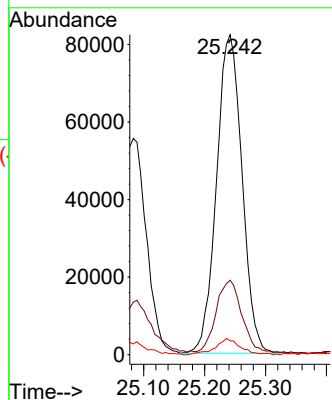
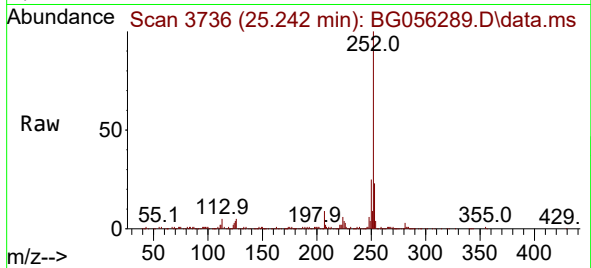




#90
Benzo(a)pyrene
Concen: 10.972 ng
RT: 25.242 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Instrument :
BNA_G
ClientSampleId :
WC-3

Tgt Ion:252 Resp: 238863
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 4.4 3.2 4.8



#92
Benzo(g,h,i)perylene
Concen: 7.429 ng
RT: 30.612 min Scan# 4650
Delta R.T. -0.002 min
Lab File: BG056289.D
Acq: 13 Jan 2023 22:44

Tgt Ion:276 Resp: 154323
Ion Ratio Lower Upper
276 100
277 22.4 19.7 29.5
138 7.6 6.7 10.1

