

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058864.D
 Acq On : 26 Aug 2023 00:56
 Operator : MA/JU
 Sample : 04110-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-1(X-X)

Quant Time: Aug 26 09:20:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 09:13:37 2023
 Response via : Initial Calibration

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

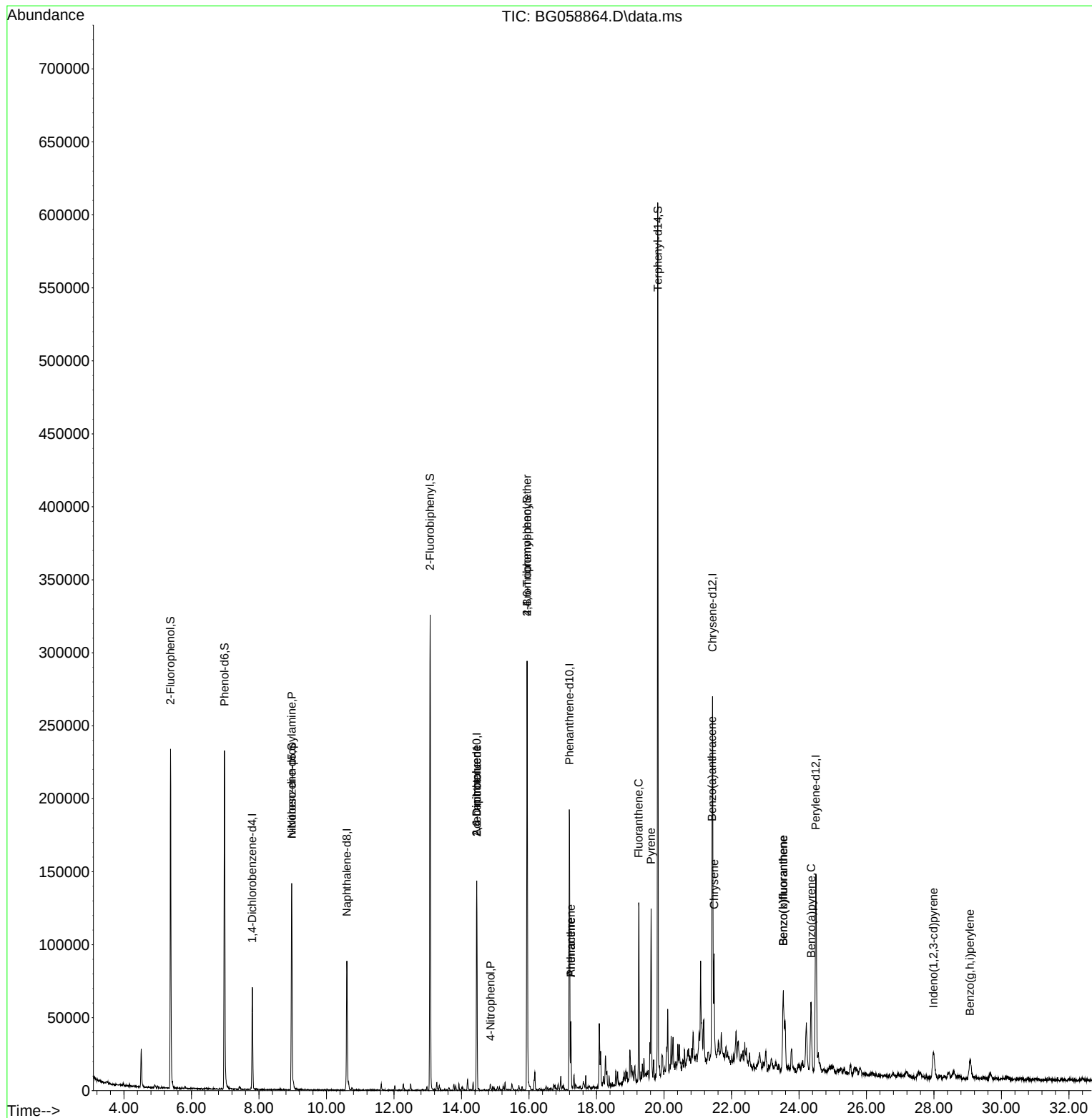
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	19760	20.000	ng	-0.03
21) Naphthalene-d8	10.603	136	77761	20.000	ng	-0.03
39) Acenaphthene-d10	14.452	164	54201	20.000	ng	-0.02
64) Phenanthrene-d10	17.196	188	127441	20.000	ng	-0.03
76) Chrysene-d12	21.438	240	119272	20.000	ng	-0.03
86) Perylene-d12	24.499	264	145297	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	98167	79.947	ng	-0.02
7) Phenol-d6	6.978	99	133249	77.346	ng	-0.03
23) Nitrobenzene-d5	8.970	82	86260	53.332	ng	-0.03
42) 2,4,6-Tribromophenol	15.944	330	65759	77.376	ng	-0.03
45) 2-Fluorobiphenyl	13.071	172	184055	49.390	ng	-0.03
79) Terphenyl-d14	19.816	244	293727	44.219	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.970	70	11035	9.909	ng	# 76
51) 2,6-Dinitrotoluene	14.452	165	7160	8.121	ng	# 22
56) 4-Nitrophenol	14.863	139	843	5.752	ng	# 1
57) 2,4-Dinitrotoluene	14.452	165	7160	5.822	ng	# 19
67) 4-Bromophenyl-phenylether	15.944	248	4070	2.910	ng	# 1
71) Phenanthrene	17.243	178	29202	4.773	ng	98
72) Anthracene	17.243	178	29202	4.759	ng	98
75) Fluoranthene	19.252	202	74318	9.795	ng	97
78) Pyrene	19.616	202	73072	8.793	ng	97
81) Benzo(a)anthracene	21.420	228	52171	6.284	ng	95
83) Chrysene	21.485	228	49557	6.193	ng	95
87) Indeno(1,2,3-cd)pyrene	27.983	276	31136	3.167	ng	# 96
88) Benzo(b)fluoranthene	23.535	252	66032	8.191	ng	99
89) Benzo(k)fluoranthene	23.535	252	66032	7.942	ng	97
90) Benzo(a)pyrene	24.358	252	47031	5.925	ng	# 97
92) Benzo(g,h,i)perylene	29.064	276	28083	3.477	ng	97

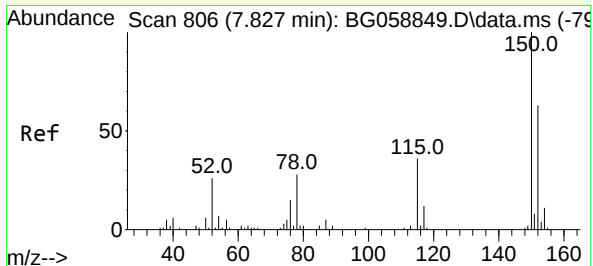
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG058864.D
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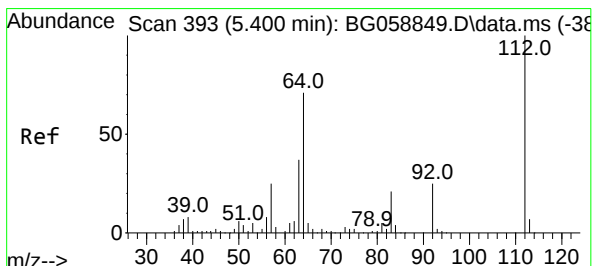
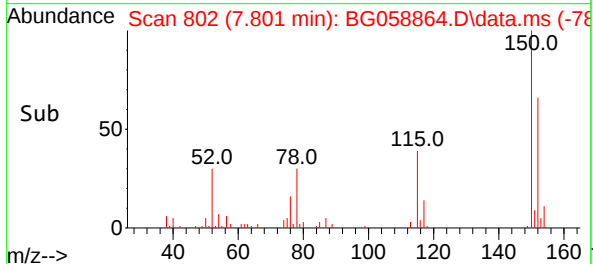
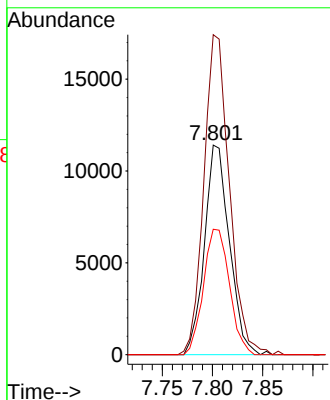
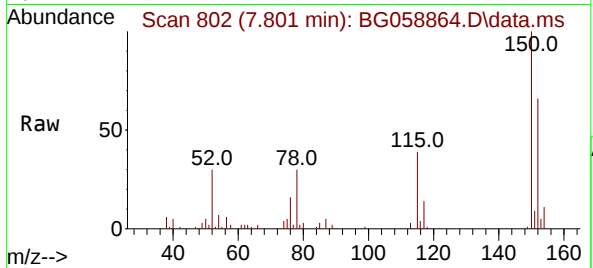




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.801 min Scan# 806
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

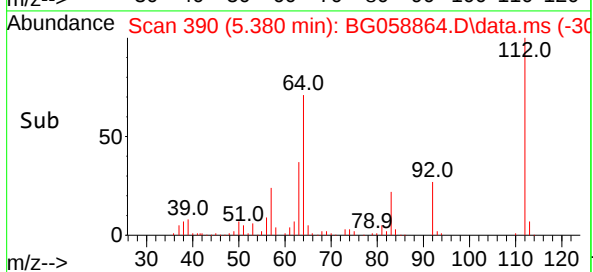
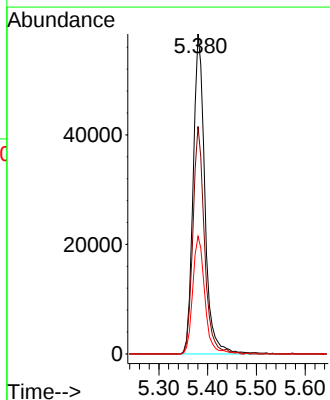
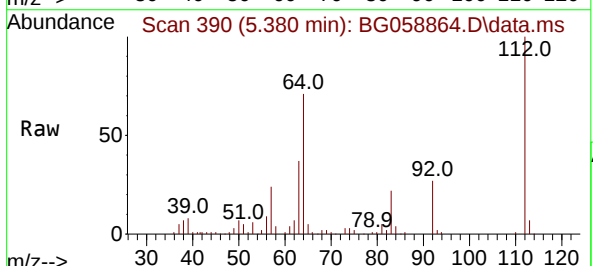
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

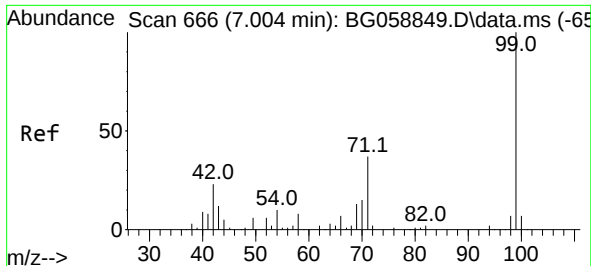
Tgt Ion:152 Resp: 19760
Ion Ratio Lower Upper
152 100
150 152.6 128.6 192.8
115 59.8 50.4 75.6



#5
2-Fluorophenol
Concen: 79.947 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:112 Resp: 98167
Ion Ratio Lower Upper
112 100
64 71.1 60.6 90.8
63 36.8 31.0 46.4

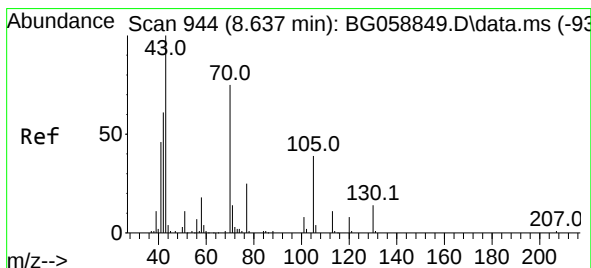
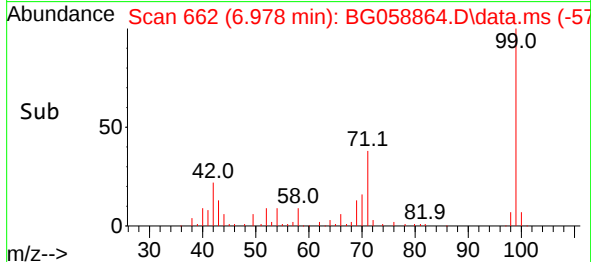
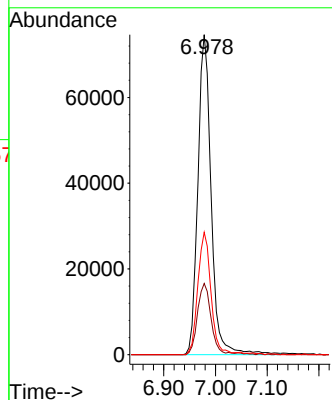
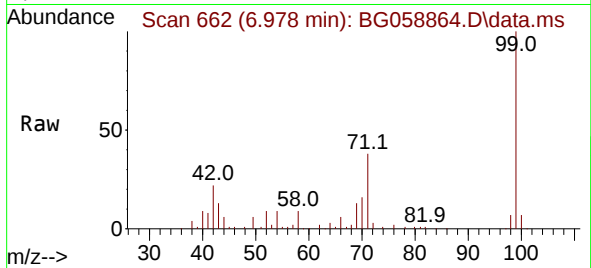




#7
Phenol-d6
Concen: 77.346 ng
RT: 6.978 min Scan# 60
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

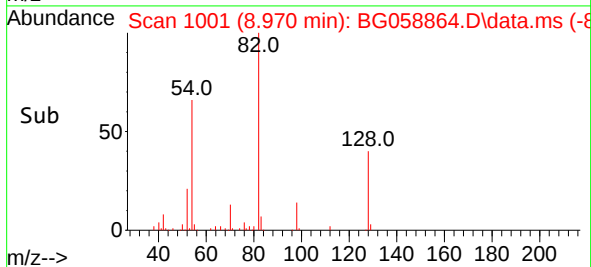
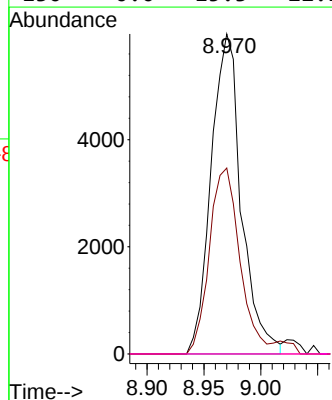
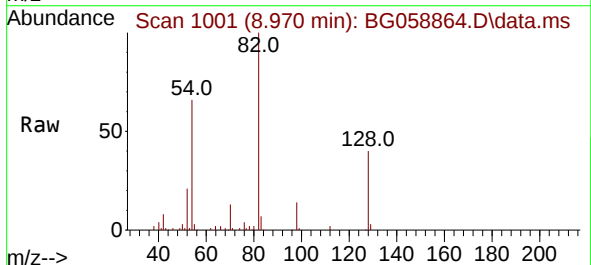
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

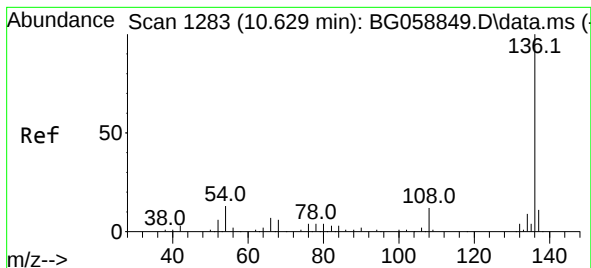
Tgt Ion: 99 Resp: 133249
Ion Ratio Lower Upper
99 100
42 22.3 16.5 24.7
71 38.3 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.909 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.333 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion: 70 Resp: 11035
Ion Ratio Lower Upper
70 100
42 58.1 59.2 88.8#
101 0.0 8.2 12.2#
130 0.0 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.603 min Scan# 11

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

Tgt Ion:136 Resp: 77761

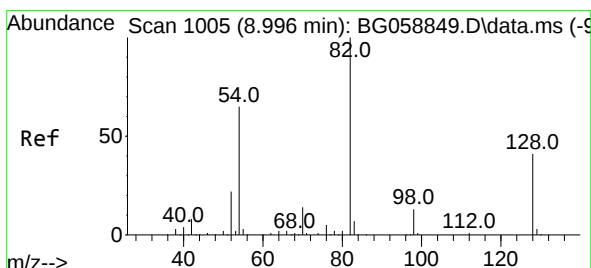
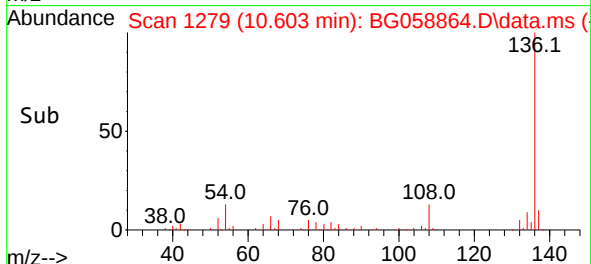
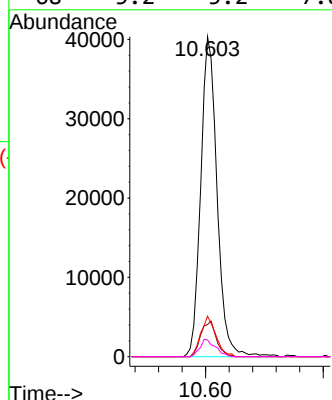
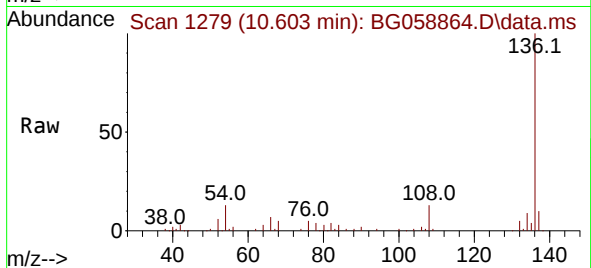
Ion Ratio Lower Upper

136 100

137 10.0 8.7 13.1

54 12.6 10.1 15.1

68 5.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 53.332 ng

RT: 8.970 min Scan# 1001

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

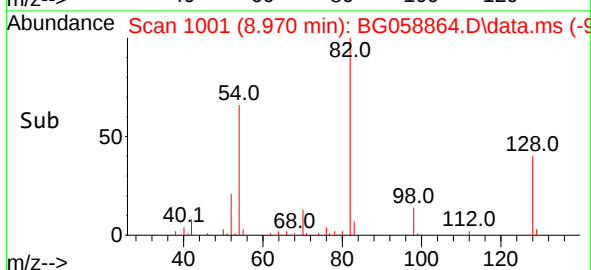
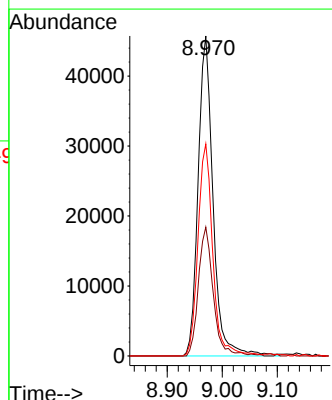
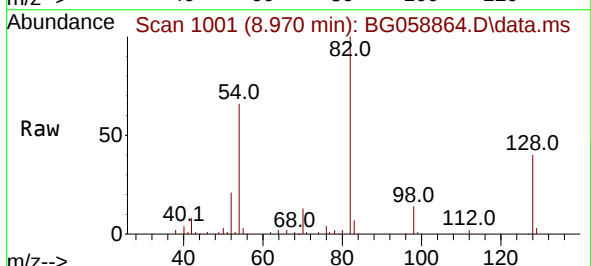
Tgt Ion: 82 Resp: 86260

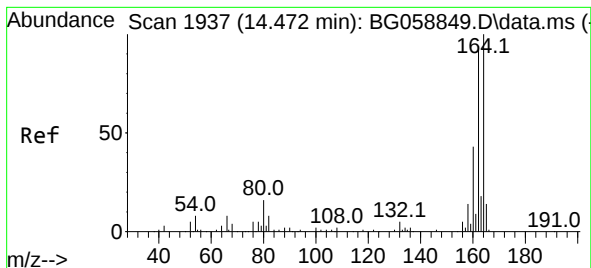
Ion Ratio Lower Upper

82 100

128 40.2 33.2 49.8

54 66.3 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.452 min Scan# 1934

Delta R.T. -0.020 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

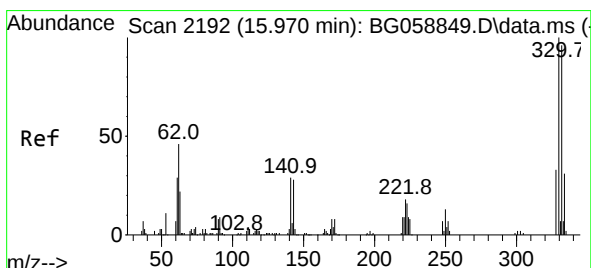
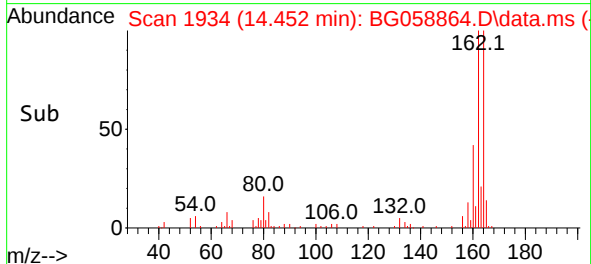
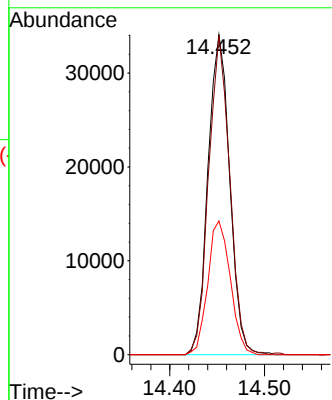
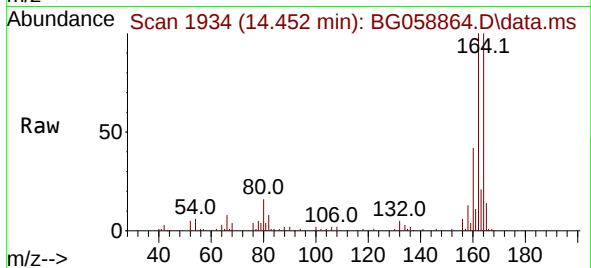
Tgt Ion:164 Resp: 54201

Ion Ratio Lower Upper

164 100

162 99.7 79.6 119.4

160 41.8 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 77.376 ng

RT: 15.944 min Scan# 2188

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

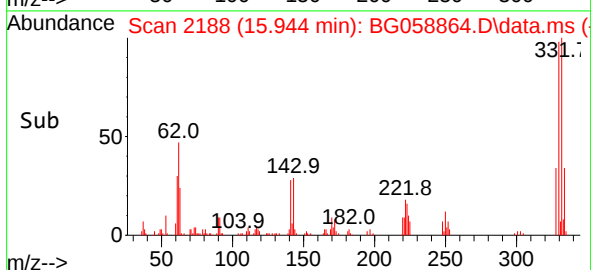
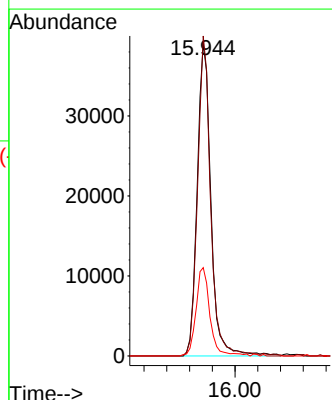
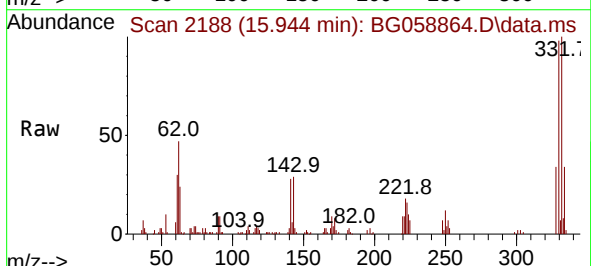
Tgt Ion:330 Resp: 65759

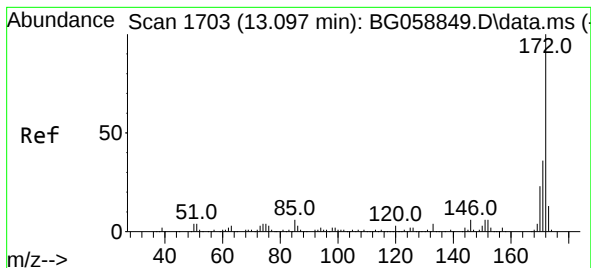
Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

141 28.5 23.0 34.6

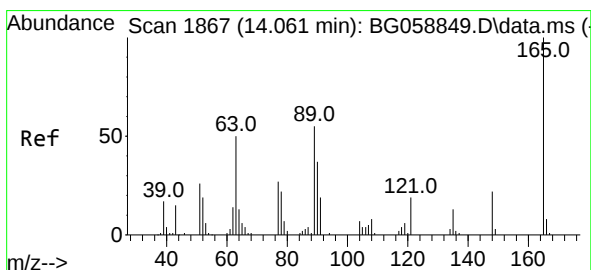
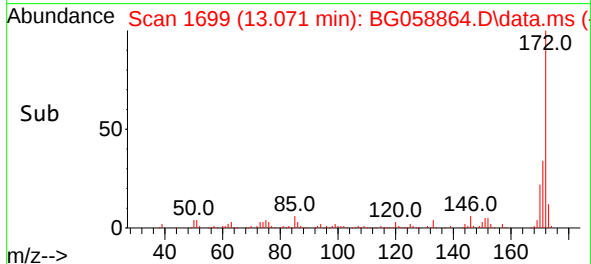
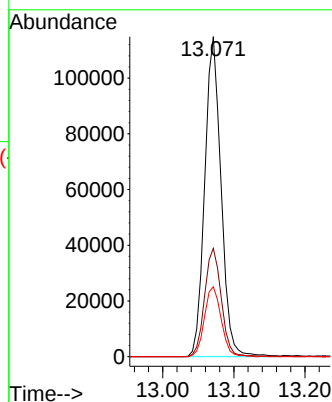
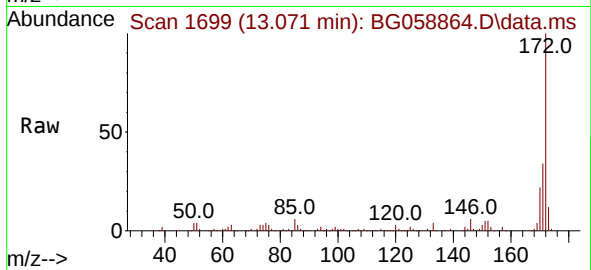




#45
2-Fluorobiphenyl
Concen: 49.390 ng
RT: 13.071 min Scan# 1
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

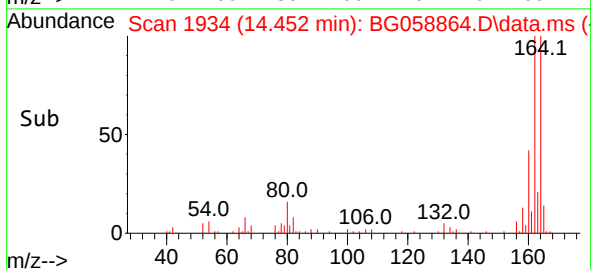
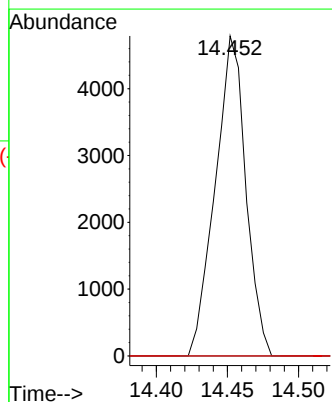
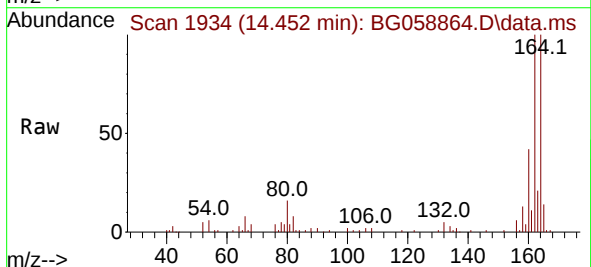
Instrument :
BNA_G
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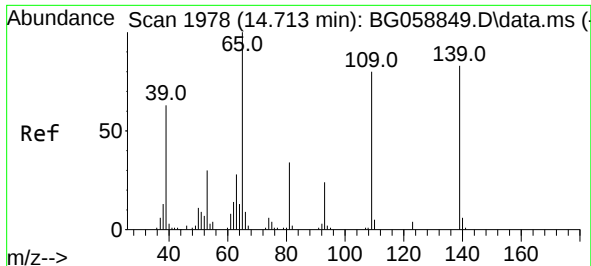
Tgt Ion:172 Resp: 184055
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 21.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.121 ng
RT: 14.452 min Scan# 1934
Delta R.T. 0.391 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:165 Resp: 7160
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#

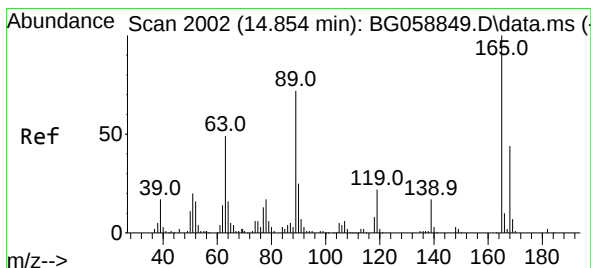
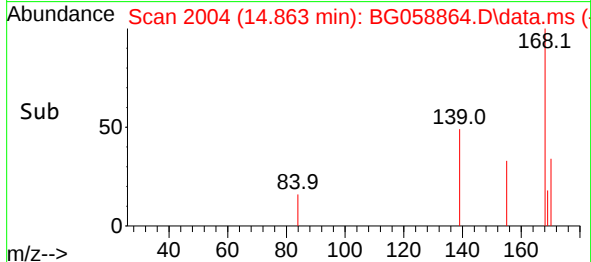
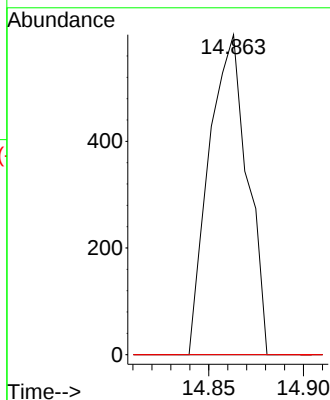
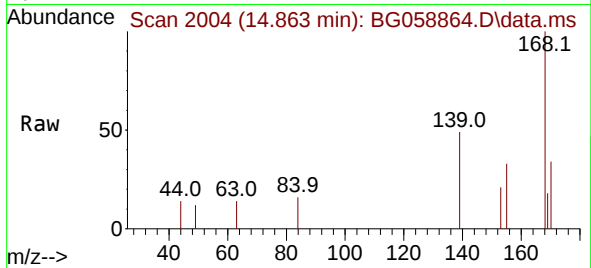




#56
4-Nitrophenol
Concen: 5.752 ng
RT: 14.863 min Scan# 20
Delta R.T. 0.150 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

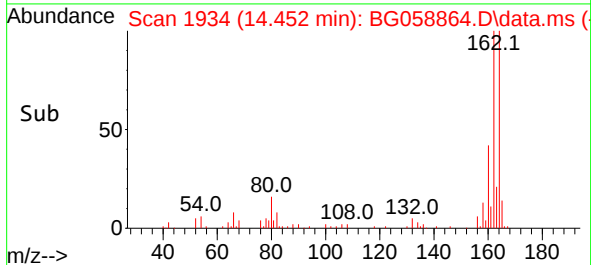
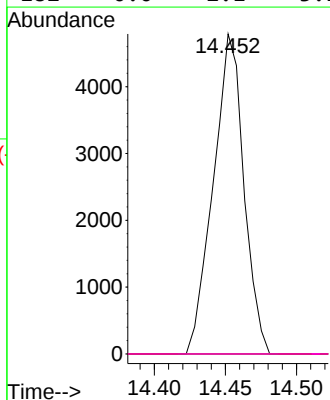
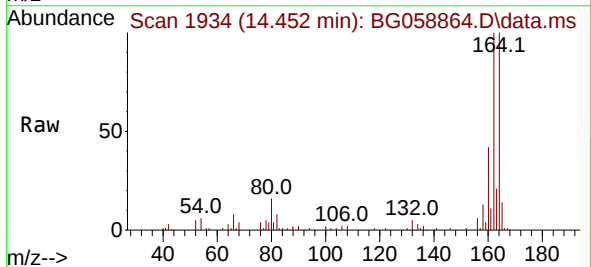
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DUP-1(X-X)

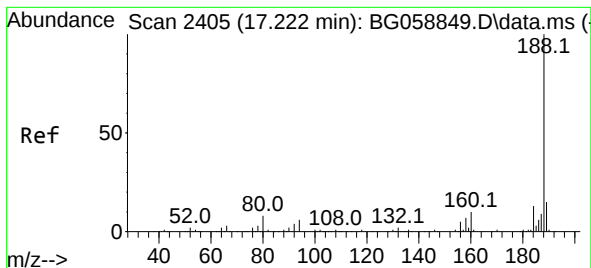
Tgt Ion:139 Resp: 843
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#



#57
2,4-Dinitrotoluene
Concen: 5.822 ng
RT: 14.452 min Scan# 1934
Delta R.T. -0.402 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:165 Resp: 7160
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.6#
89 0.0 60.7 91.1#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.196 min Scan# 2405

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

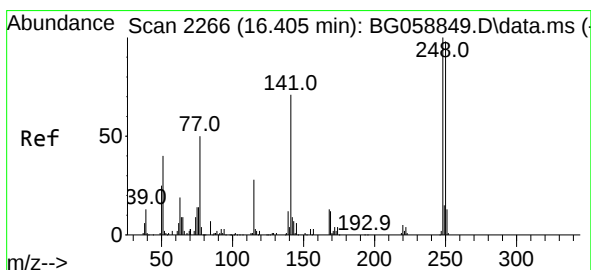
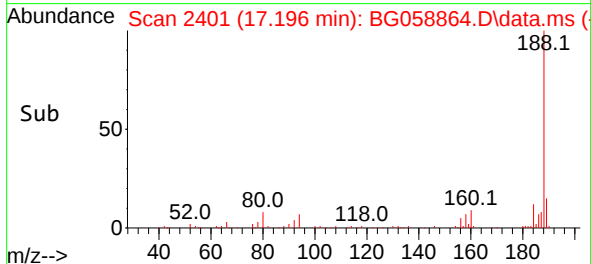
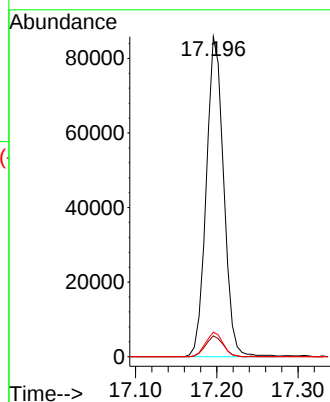
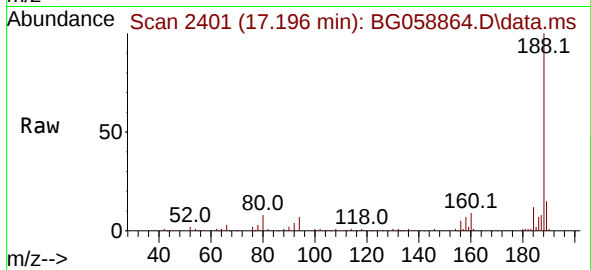
Tgt Ion:188 Resp: 127441

Ion Ratio Lower Upper

188 100

94 6.5 6.1 9.1

80 7.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.910 ng

RT: 15.944 min Scan# 2188

Delta R.T. -0.461 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

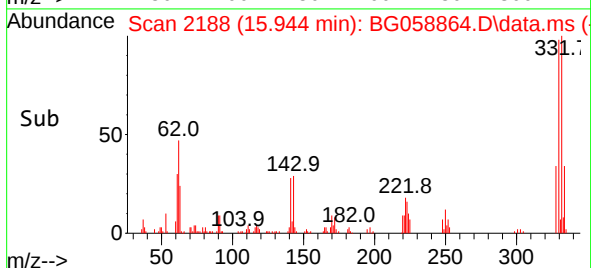
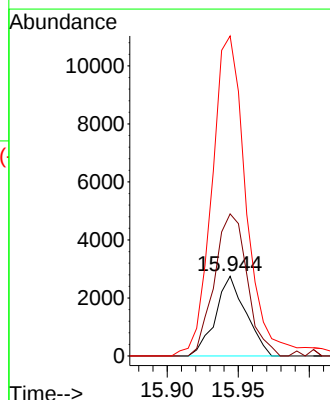
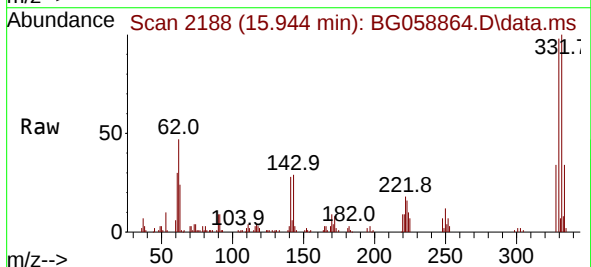
Tgt Ion:248 Resp: 4070

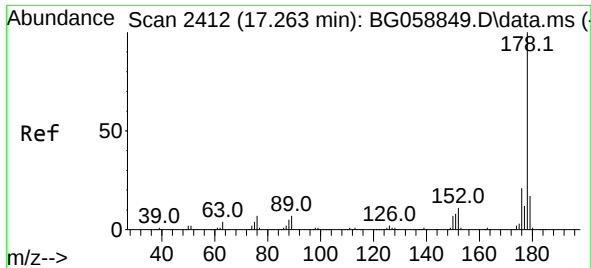
Ion Ratio Lower Upper

248 100

250 178.4 77.7 116.5#

141 401.7 53.6 80.4#

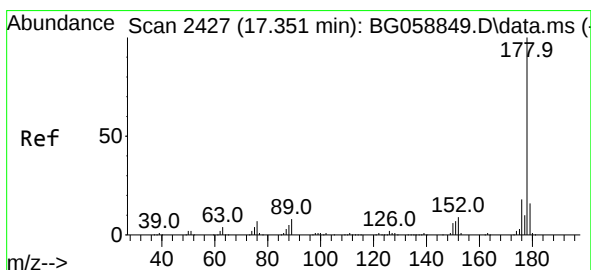
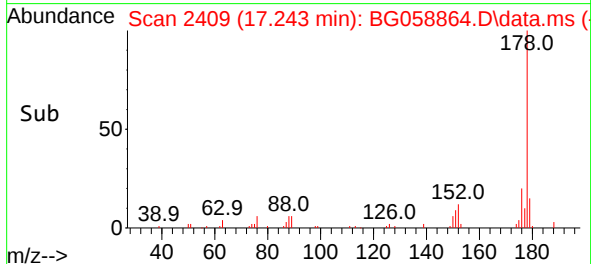
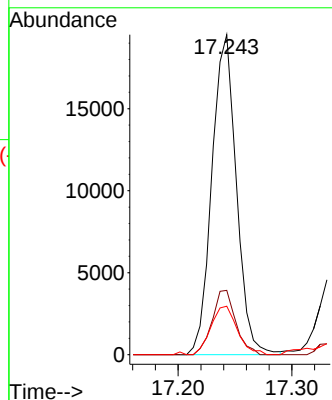
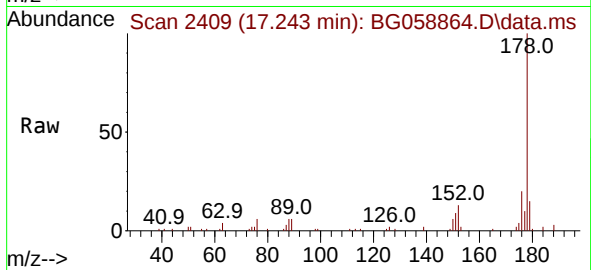




#71
Phenanthrene
Concen: 4.773 ng
RT: 17.243 min Scan# 2412
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

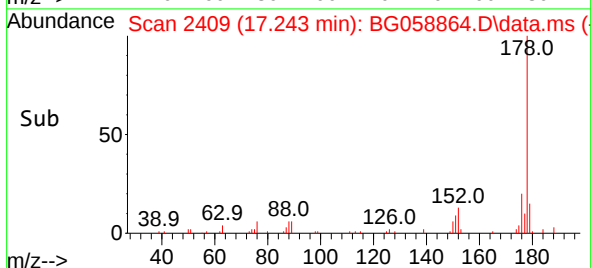
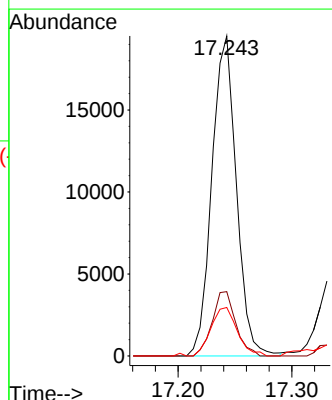
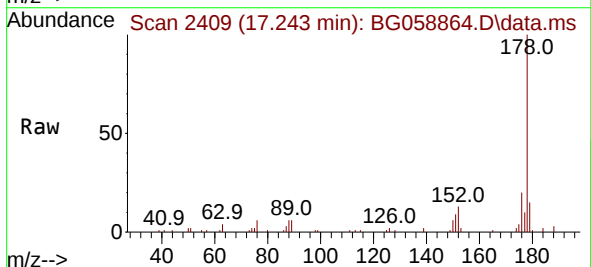
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

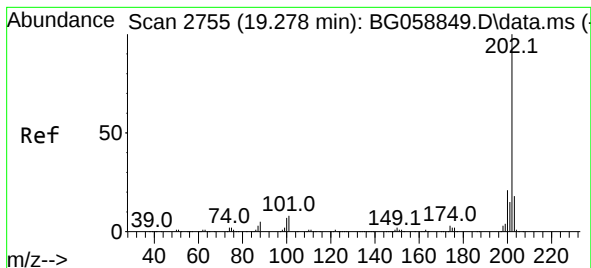
Tgt Ion:178 Resp: 29202
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.1 13.0 19.4



#72
Anthracene
Concen: 4.759 ng
RT: 17.243 min Scan# 2409
Delta R.T. -0.108 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:178 Resp: 29202
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 15.1 12.9 19.3





#75

Fluoranthene

Concen: 9.795 ng

RT: 19.252 min Scan# 21

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

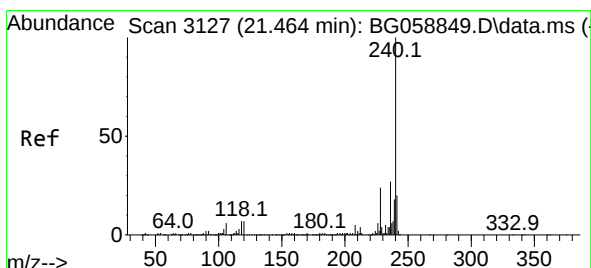
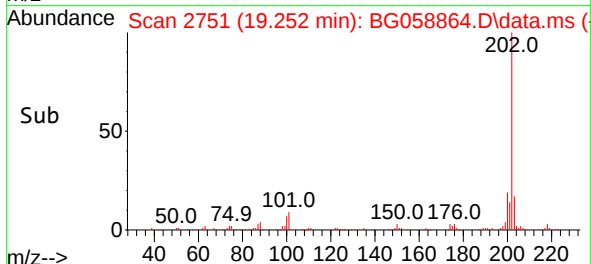
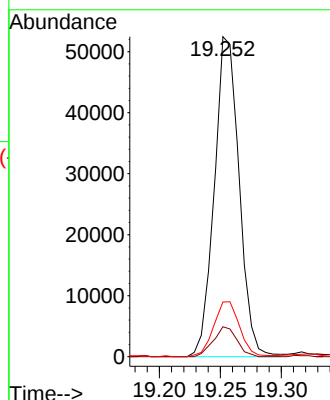
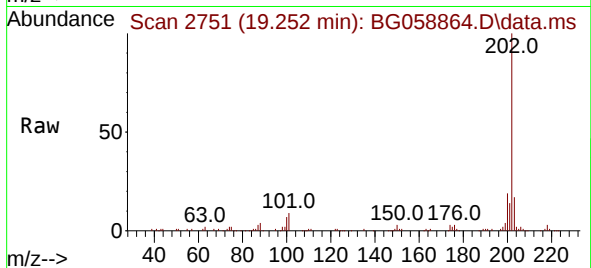
Tgt Ion:202 Resp: 74318

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 17.1 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.438 min Scan# 3123

Delta R.T. -0.026 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

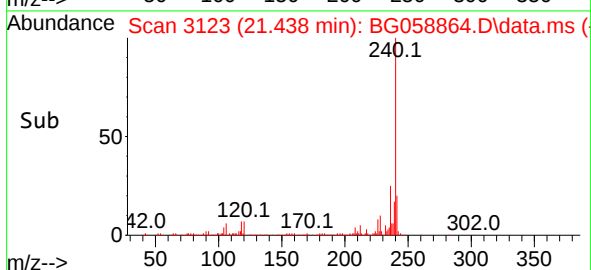
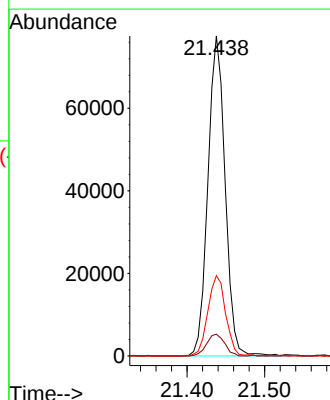
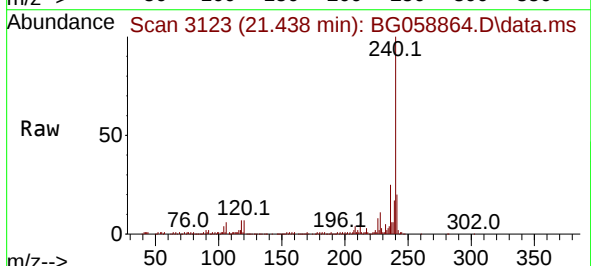
Tgt Ion:240 Resp: 119272

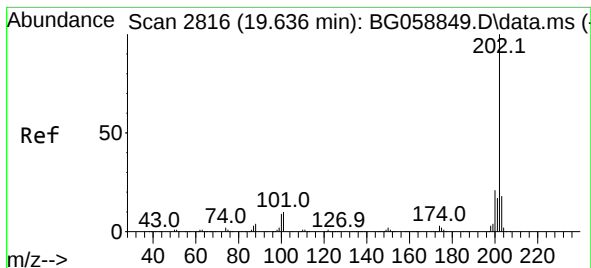
Ion Ratio Lower Upper

240 100

120 6.8 6.2 9.2

236 25.1 20.5 30.7





#78

Pyrene

Concen: 8.793 ng

RT: 19.616 min Scan# 2813

Delta R.T. -0.020 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

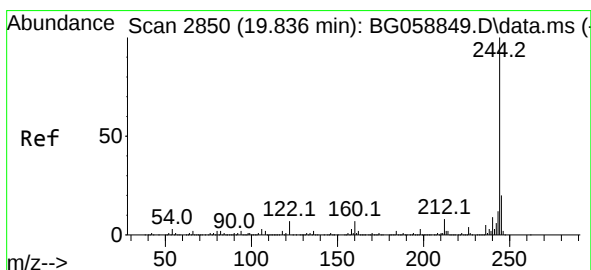
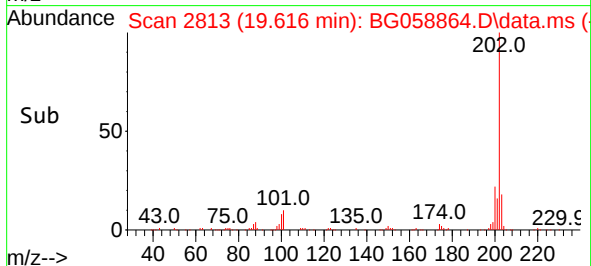
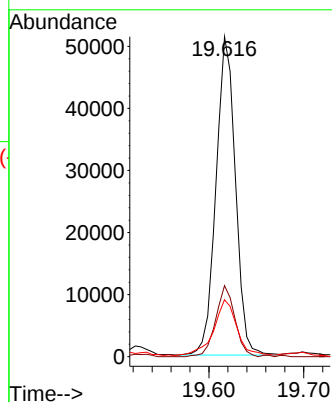
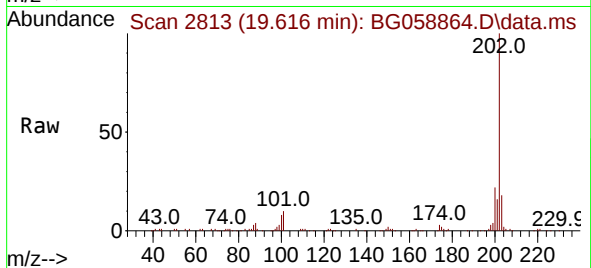
Tgt Ion:202 Resp: 73072

Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

203 17.8 15.3 22.9



#79

Terphenyl-d14

Concen: 44.219 ng

RT: 19.816 min Scan# 2847

Delta R.T. -0.020 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

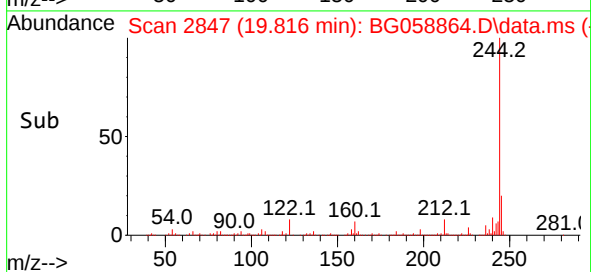
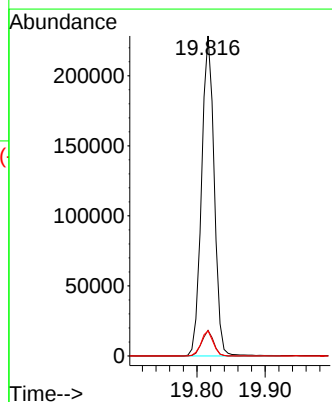
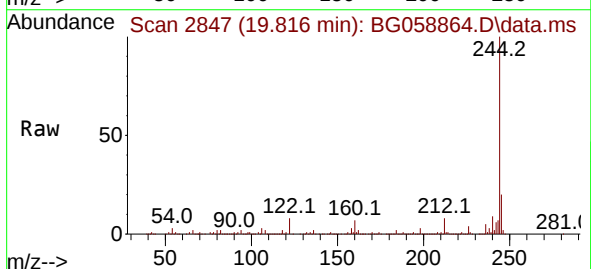
Tgt Ion:244 Resp: 293727

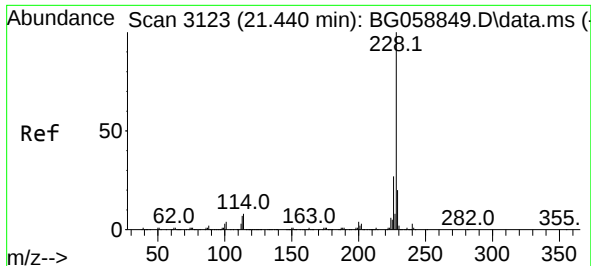
Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

122 7.9 6.3 9.5

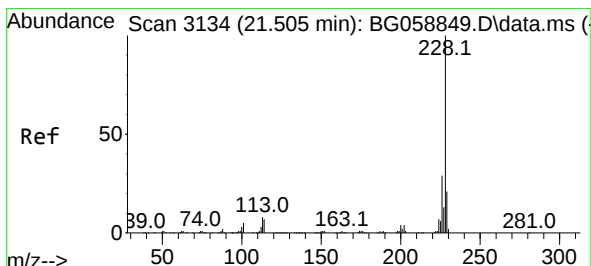
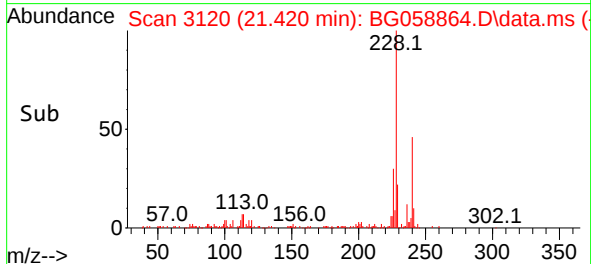
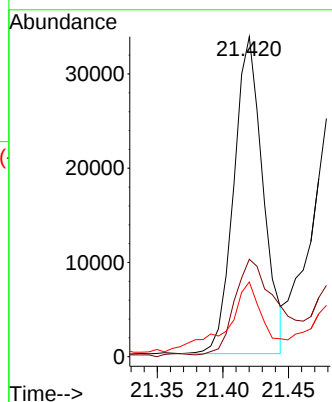
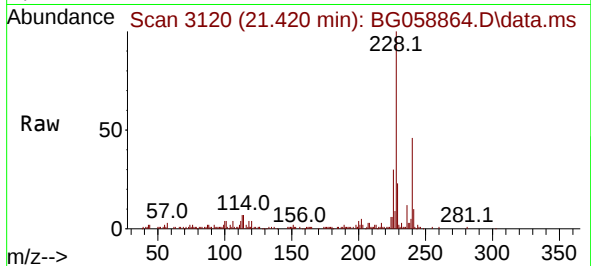




#81
Benzo(a)anthracene
Concen: 6.284 ng
RT: 21.420 min Scan# 3123
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

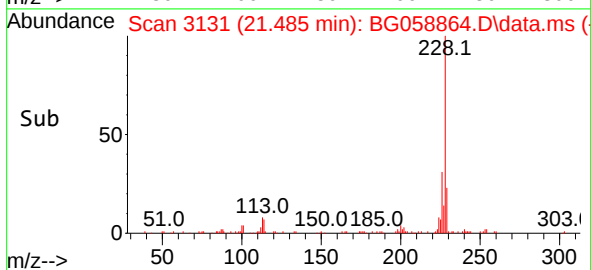
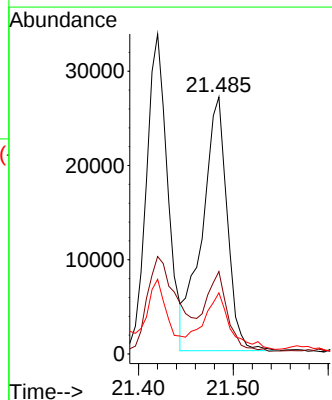
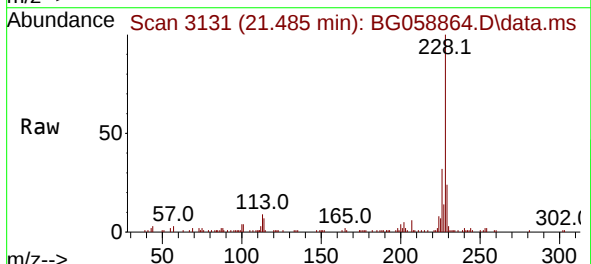
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

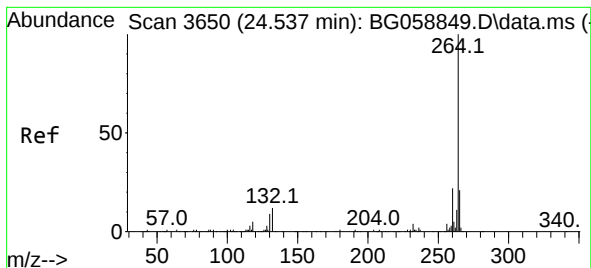
Tgt Ion:228 Resp: 52171
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 23.3 16.8 25.2



#83
Chrysene
Concen: 6.193 ng
RT: 21.485 min Scan# 3131
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:228 Resp: 49557
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 23.8 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.499 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

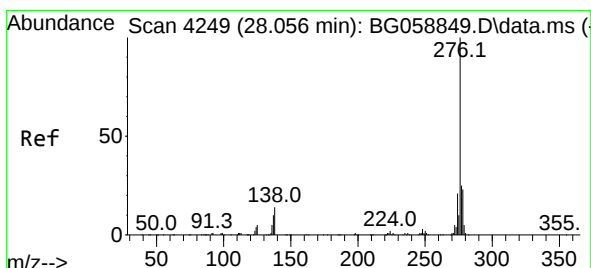
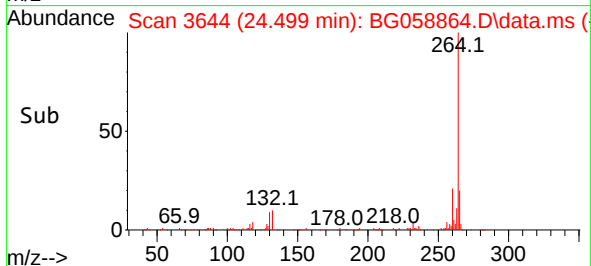
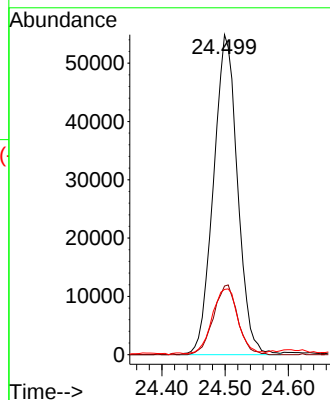
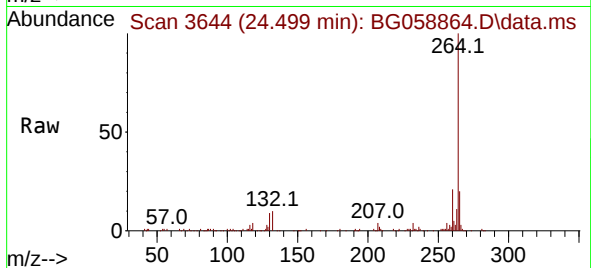
Tgt Ion:264 Resp: 145297

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.2

265 20.4 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.167 ng

RT: 27.983 min Scan# 4237

Delta R.T. -0.073 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

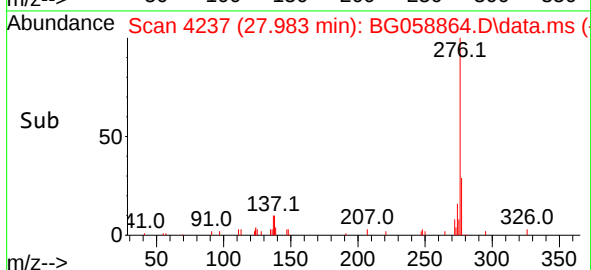
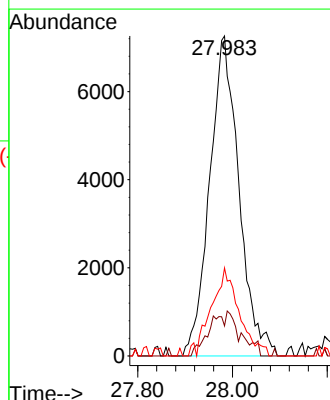
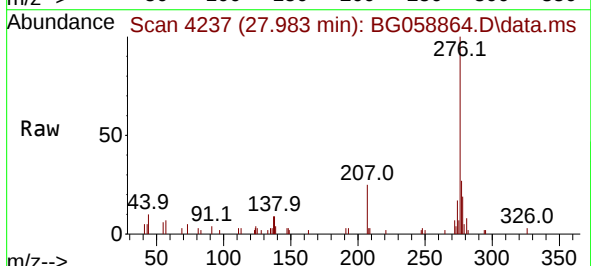
Tgt Ion:276 Resp: 31136

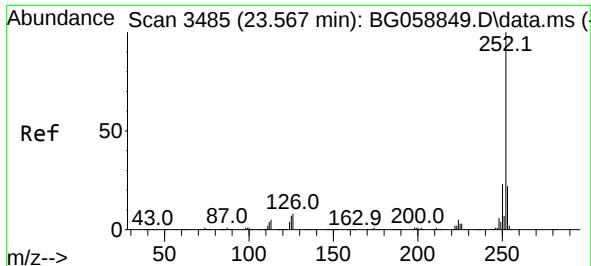
Ion Ratio Lower Upper

276 100

138 3.9 6.2 9.2#

277 26.3 20.4 30.6

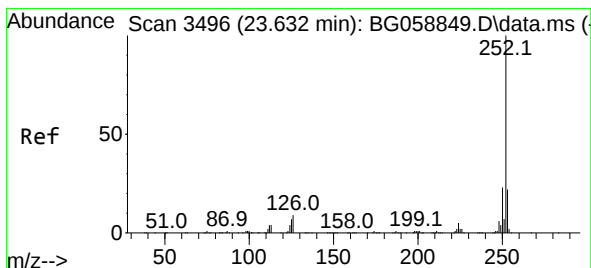
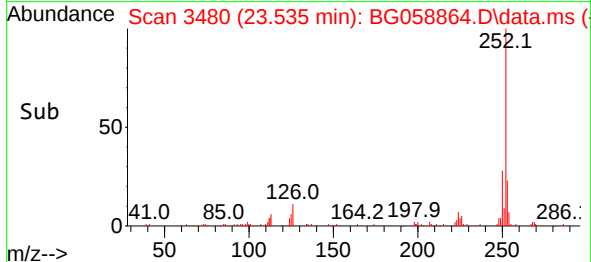
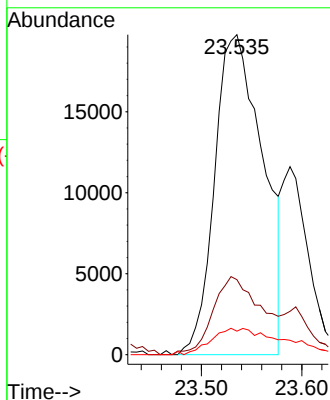
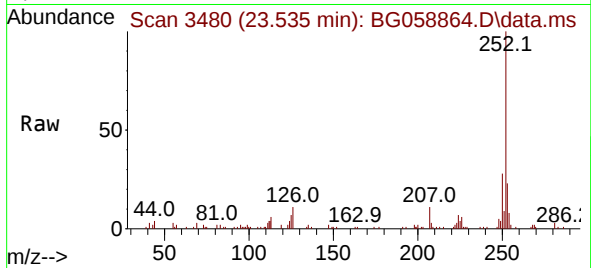




#88
Benzo(b)fluoranthene
Concen: 8.191 ng
RT: 23.535 min Scan# 3480
Delta R.T. -0.032 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

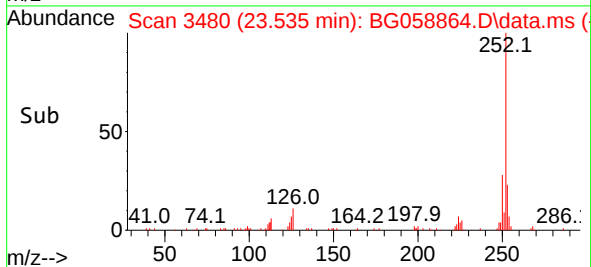
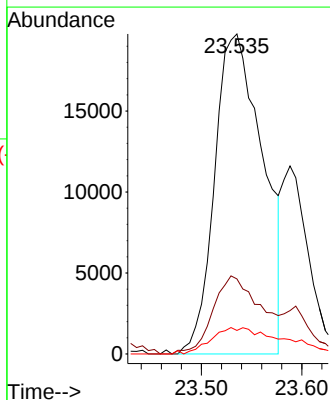
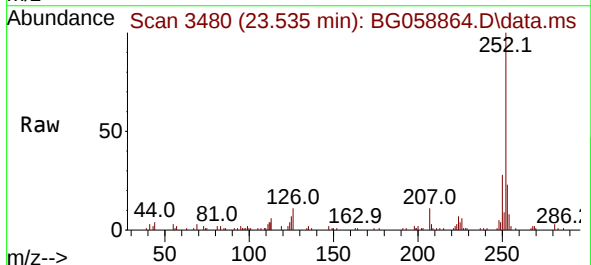
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

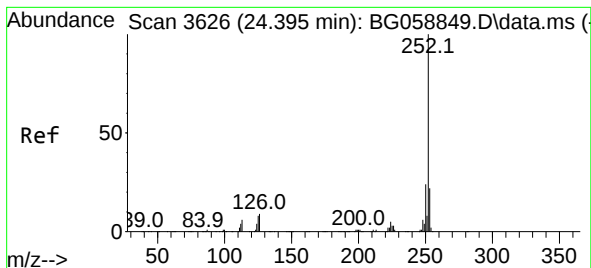
Tgt Ion:252 Resp: 66032
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 7.3 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 7.942 ng
RT: 23.535 min Scan# 3480
Delta R.T. -0.096 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:252 Resp: 66032
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.3 6.3 9.5





#90

Benzo(a)pyrene

Concen: 5.925 ng

RT: 24.358 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

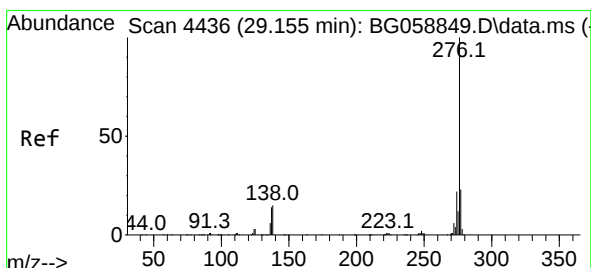
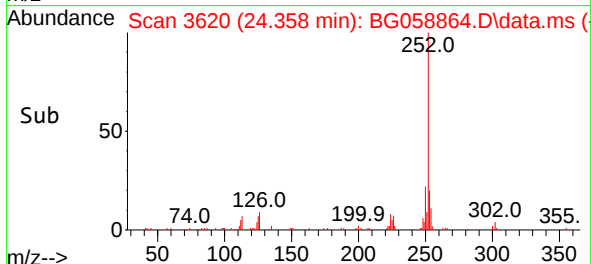
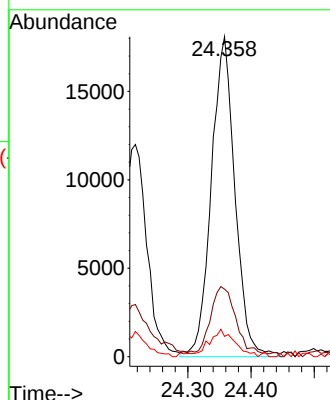
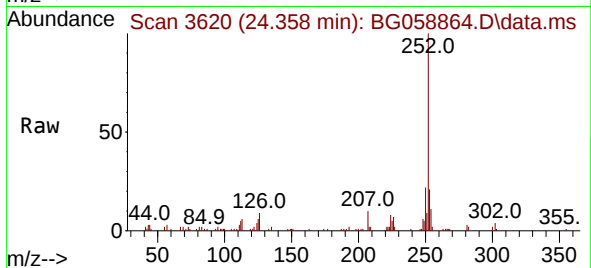
Tgt Ion:252 Resp: 47031

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 6.3 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 3.477 ng

RT: 29.064 min Scan# 4421

Delta R.T. -0.091 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Tgt Ion:276 Resp: 28083

Ion Ratio Lower Upper

276 100

277 24.5 17.8 26.6

138 13.5 11.1 16.7

