

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058896.D
 Acq On : 29 Aug 2023 20:51
 Operator : MA/JU
 Sample : 04188-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Aug 29 21:29:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

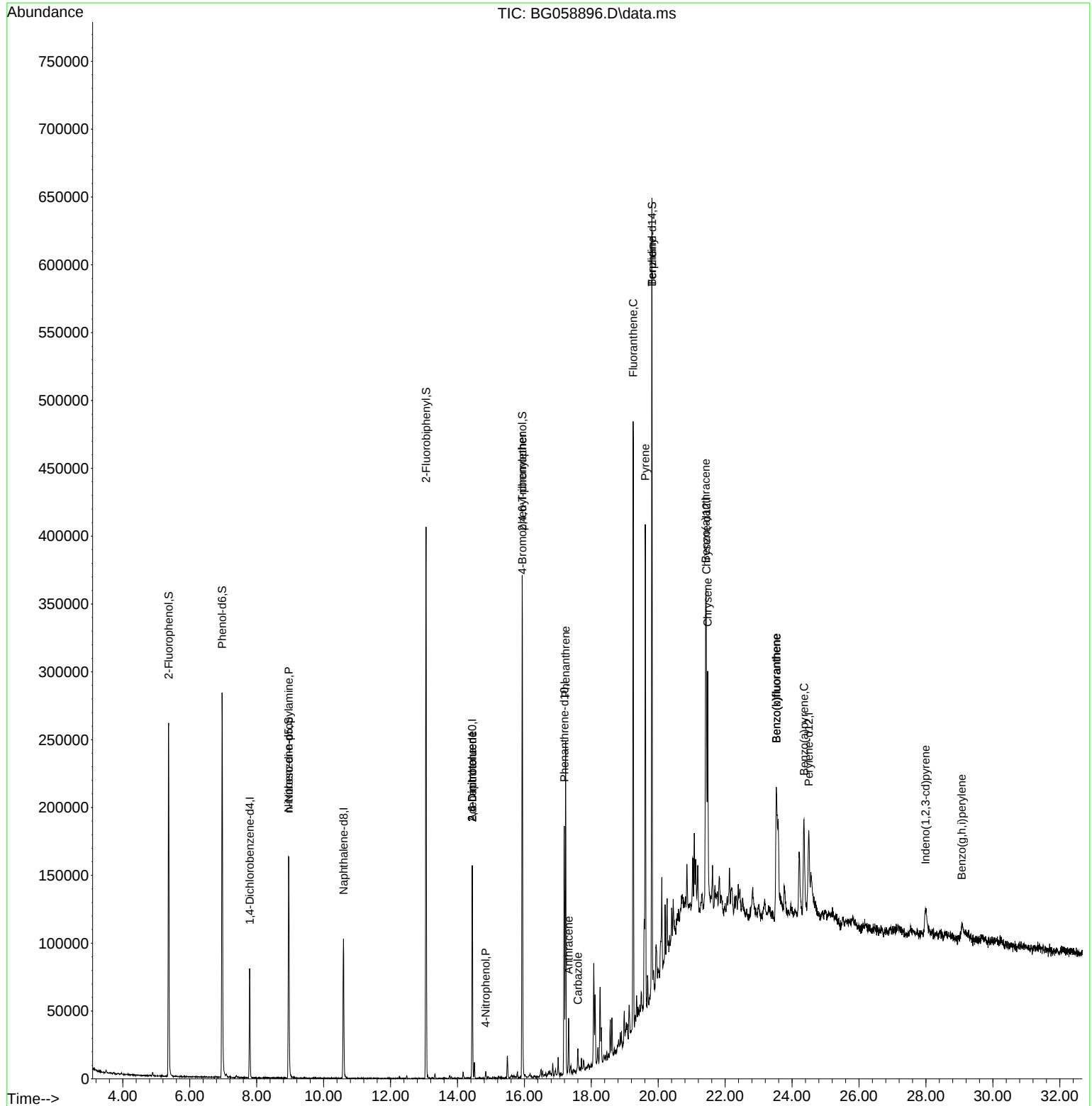
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	21383	20.000	ng	0.00
21) Naphthalene-d8	10.594	136	88148	20.000	ng	0.00
39) Acenaphthene-d10	14.442	164	57208	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	121277	20.000	ng	# 0.00
76) Chrysene-d12	21.434	240	92020	20.000	ng	0.00
86) Perylene-d12	24.495	264	86889	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.371	112	115216	86.710	ng	0.01
7) Phenol-d6	6.969	99	161546	86.654	ng	0.00
23) Nitrobenzene-d5	8.955	82	102050	55.660	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	80992	90.291	ng	0.00
45) 2-Fluorobiphenyl	13.062	172	220713	56.114	ng	0.00
79) Terphenyl-d14	19.812	244	297631	58.077	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.960	70	13778	11.433	ng	# 71
51) 2,6-Dinitrotoluene	14.442	165	7487	8.046	ng	# 22
56) 4-Nitrophenol	14.842	139	1328	6.389	ng	# 1
57) 2,4-Dinitrotoluene	14.442	165	7487	5.768	ng	# 19
67) 4-Bromophenyl-phenylether	15.941	248	4643	3.489	ng	# 1
71) Phenanthrene	17.233	178	147503	25.335	ng	98
72) Anthracene	17.321	178	26292	4.503	ng	97
73) Carbazole	17.597	167	11257	2.105	ng	96
75) Fluoranthene	19.248	202	282200	39.086	ng	98
77) Benzidine	19.812	184	5478	3.322	ng	94
78) Pyrene	19.613	202	239527	37.358	ng	98
81) Benzo(a)anthracene	21.416	228	128287	20.028	ng	99
83) Chrysene	21.475	228	125176	20.274	ng	99
87) Indeno(1,2,3-cd)pyrene	27.985	276	35083	5.968	ng	# 97
88) Benzo(b)fluoranthene	23.526	252	146846	30.459	ng	95
89) Benzo(k)fluoranthene	23.526	252	146846	29.535	ng	94
90) Benzo(a)pyrene	24.354	252	99359	20.931	ng	# 99
92) Benzo(g,h,i)perylene	29.066	276	28467	5.894	ng	# 85

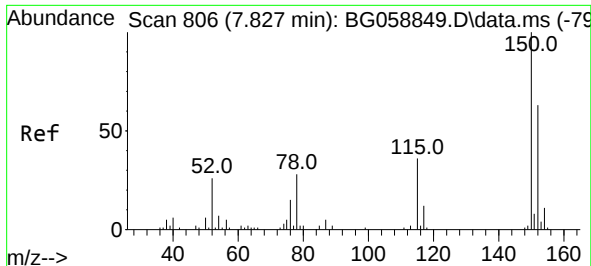
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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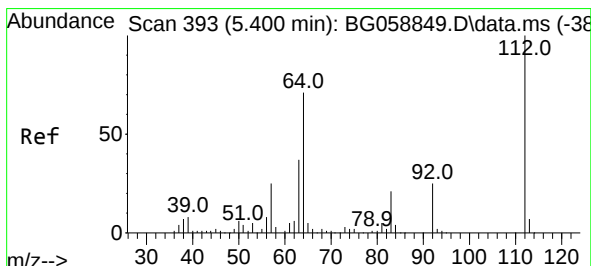
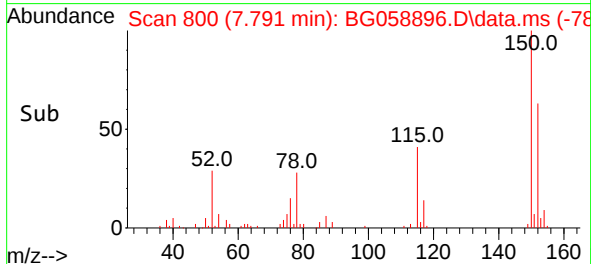
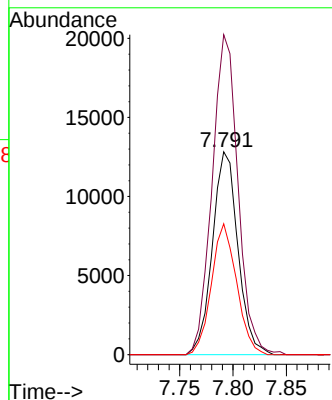
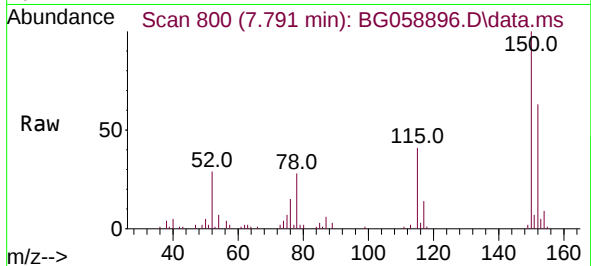




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.791 min Scan# 80
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

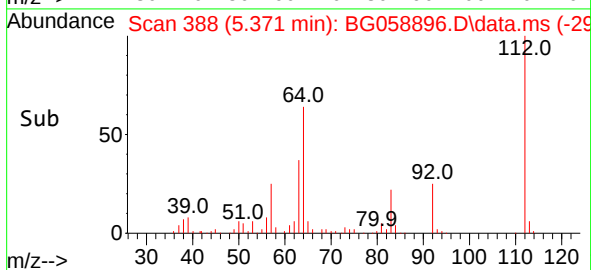
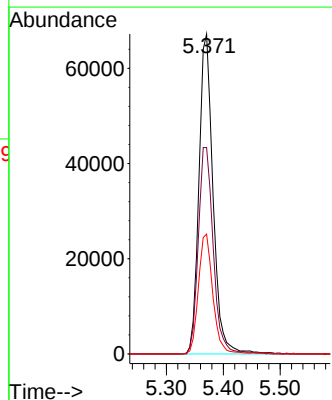
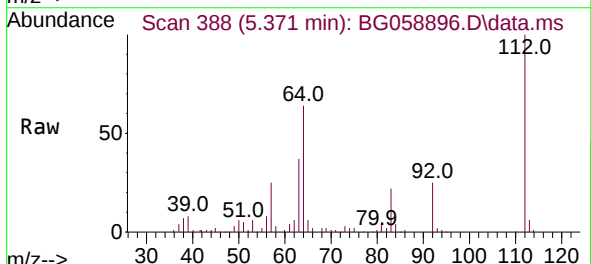
Instrument :
BNA_G
ClientSampleId :
WC-7

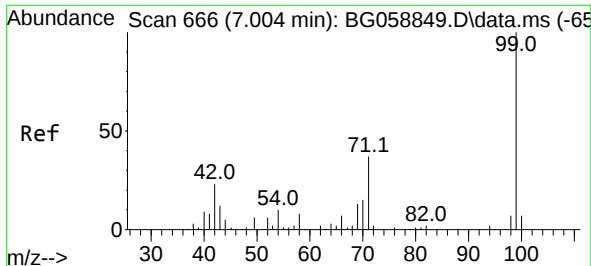
Tgt Ion:152 Resp: 21383
Ion Ratio Lower Upper
152 100
150 157.8 128.6 192.8
115 64.5 50.4 75.6



#5
2-Fluorophenol
Concen: 86.710 ng
RT: 5.371 min Scan# 388
Delta R.T. 0.014 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:112 Resp: 115216
Ion Ratio Lower Upper
112 100
64 64.5 60.6 90.8
63 37.4 31.0 46.4

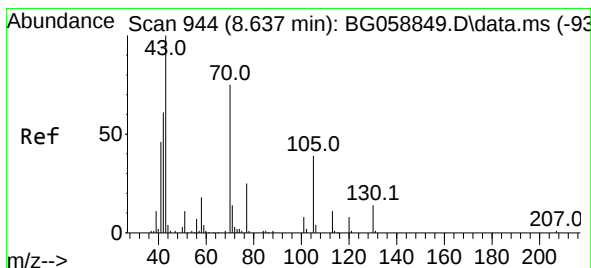
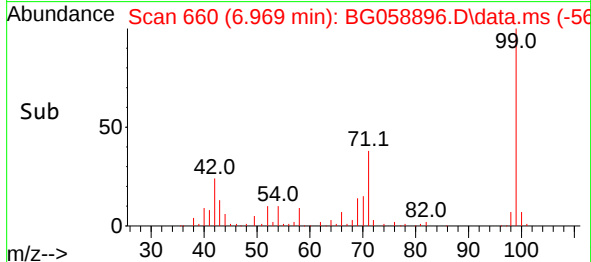
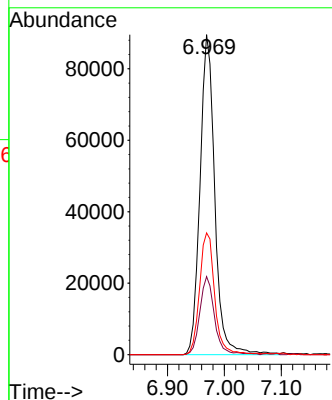
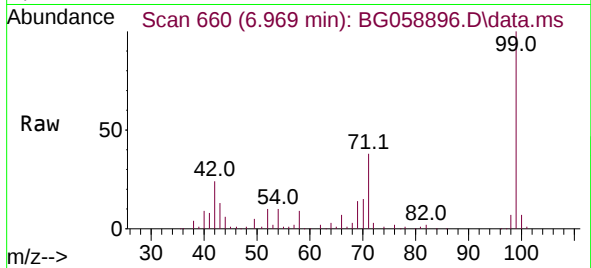




#7
Phenol-d6
Concen: 86.654 ng
RT: 6.969 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

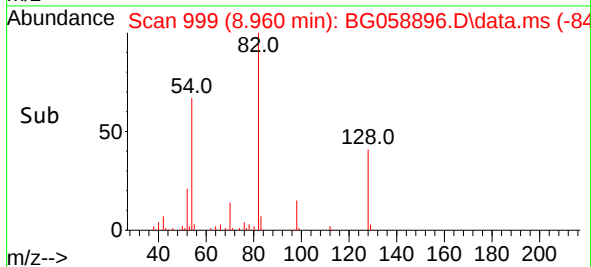
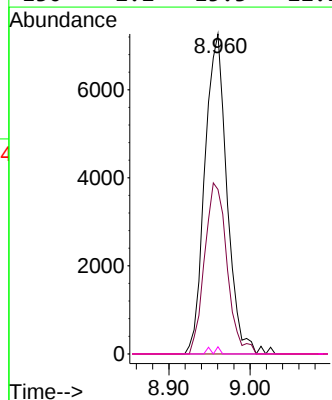
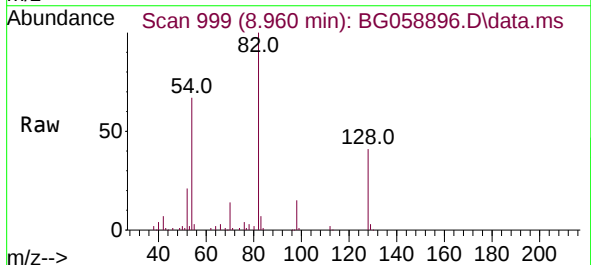
Instrument :
BNA_G
ClientSampleId :
WC-7

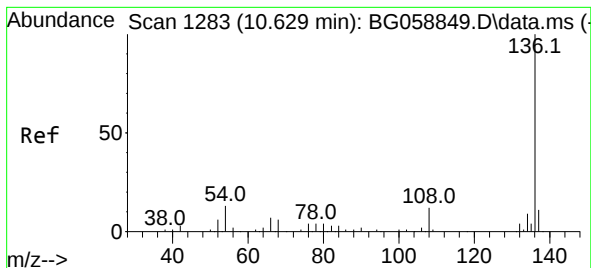
Tgt Ion: 99 Resp: 161546
Ion Ratio Lower Upper
99 100
42 24.4 16.5 24.7
71 38.0 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.433 ng
RT: 8.960 min Scan# 999
Delta R.T. 0.361 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion: 70 Resp: 13778
Ion Ratio Lower Upper
70 100
42 51.4 59.2 88.8#
101 0.0 8.2 12.2#
130 2.2 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.594 min Scan# 11

Delta R.T. 0.002 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

Tgt Ion:136 Resp: 88148

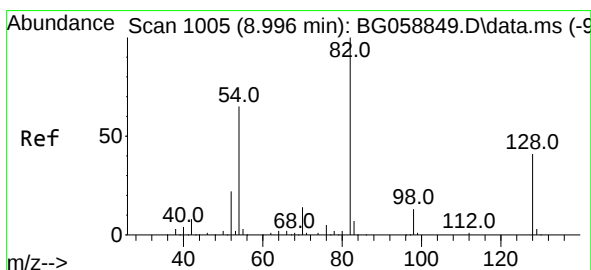
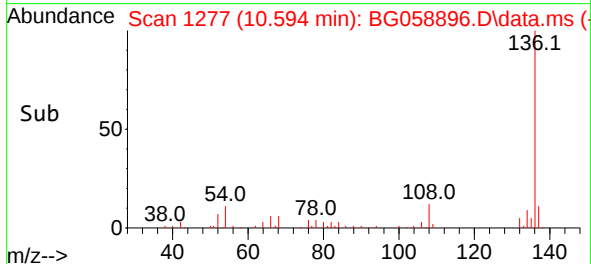
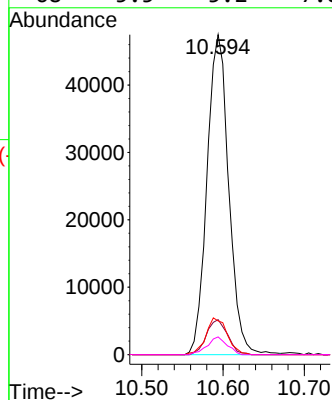
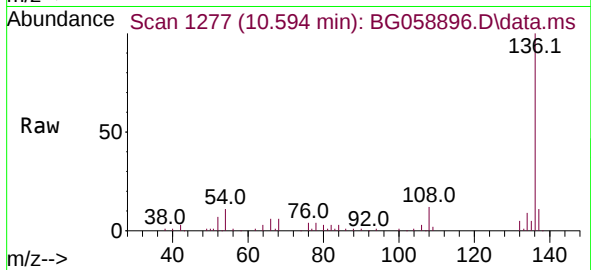
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.5 10.1 15.1

68 5.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 55.660 ng

RT: 8.955 min Scan# 998

Delta R.T. -0.004 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

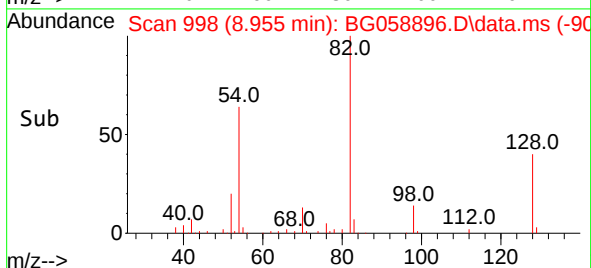
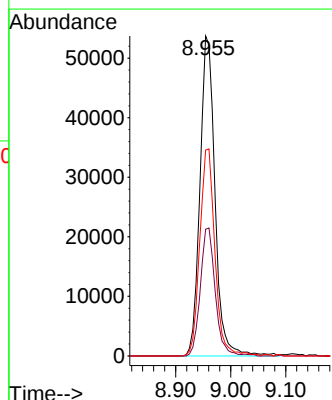
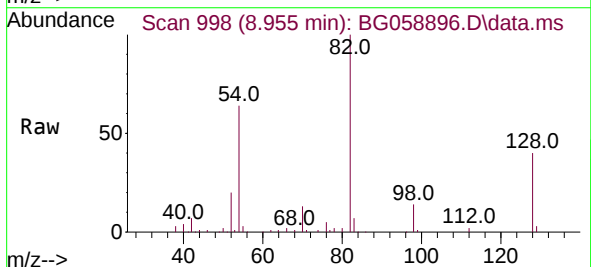
Tgt Ion: 82 Resp: 102050

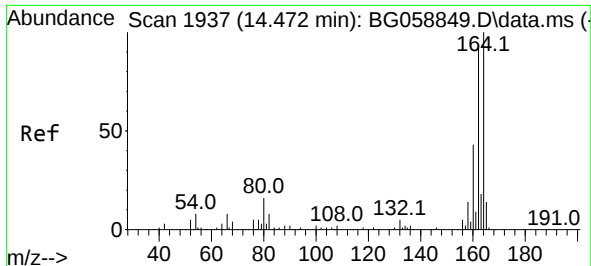
Ion Ratio Lower Upper

82 100

128 39.6 33.2 49.8

54 64.3 51.2 76.8

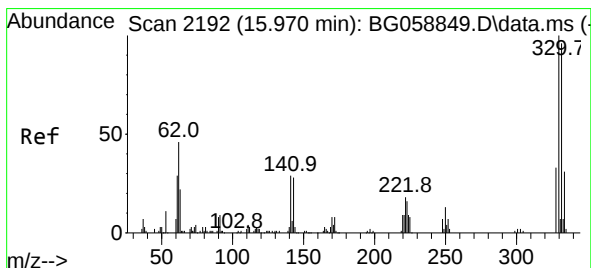
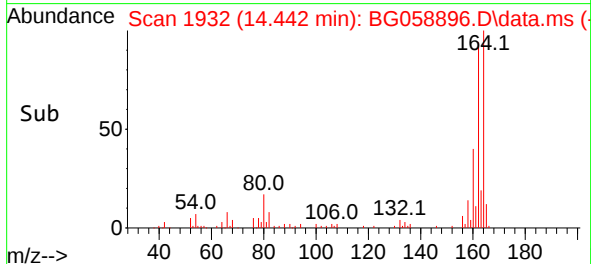
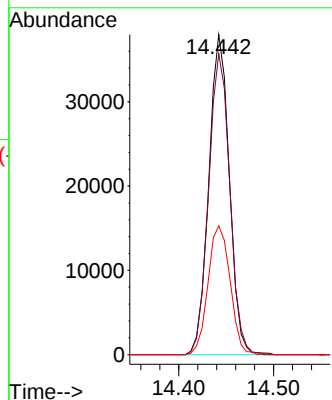
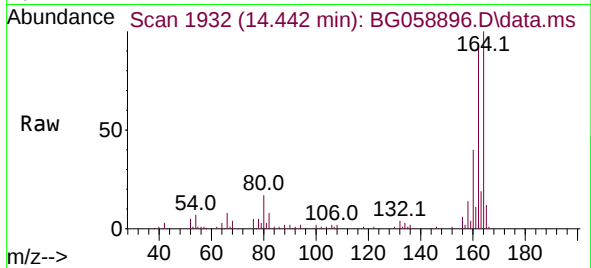




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.442 min Scan# 1932
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

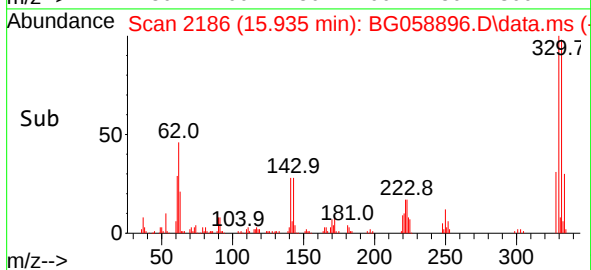
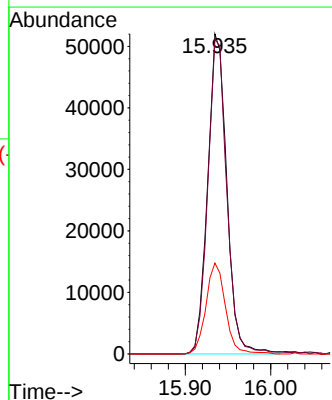
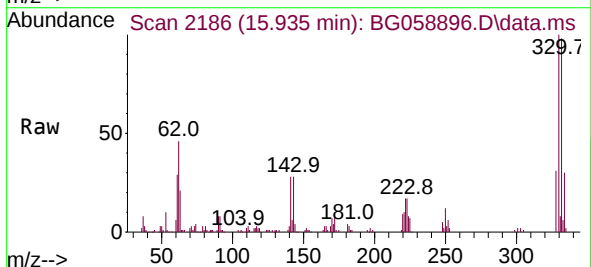
Instrument :
BNA_G
ClientSampleId :
WC-7

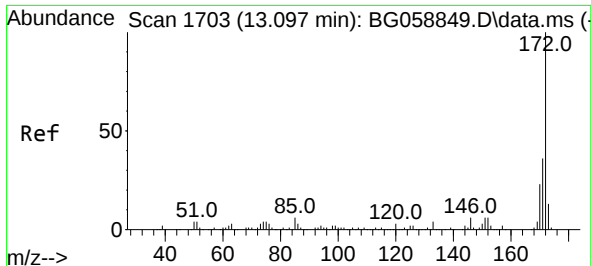
Tgt Ion:164 Resp: 57208
Ion Ratio Lower Upper
164 100
162 94.0 79.6 119.4
160 40.2 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 90.291 ng
RT: 15.935 min Scan# 2186
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:330 Resp: 80992
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 28.8 23.0 34.6

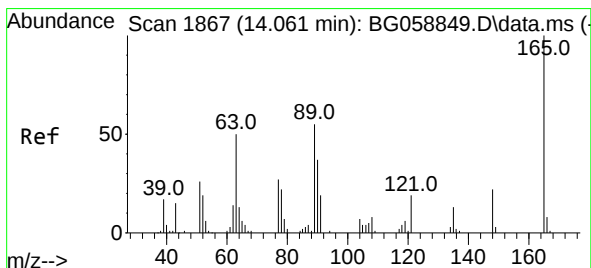
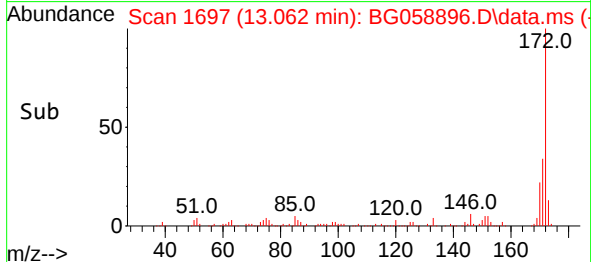
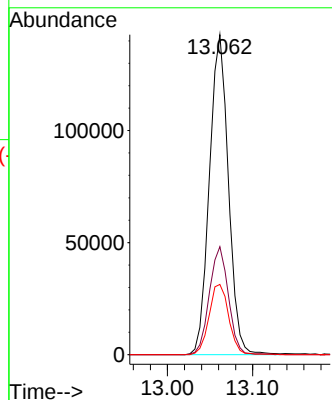
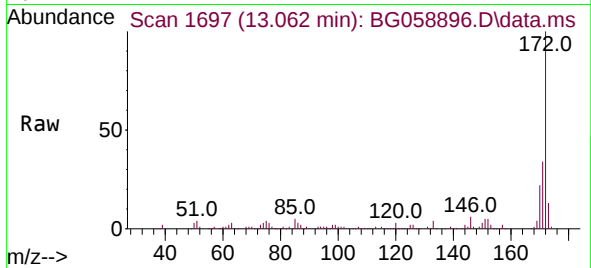




#45
2-Fluorobiphenyl
Concen: 56.114 ng
RT: 13.062 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

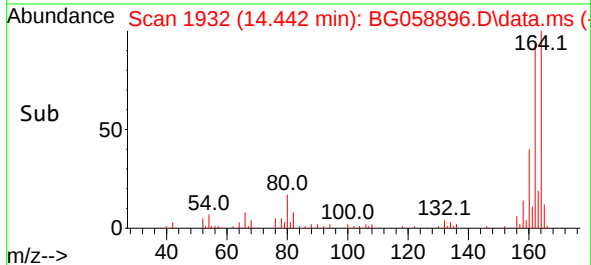
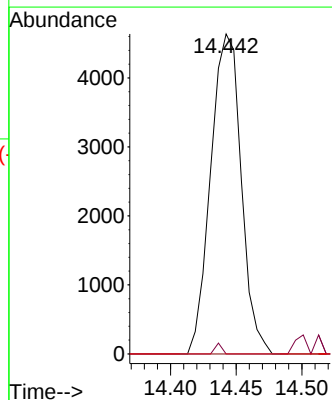
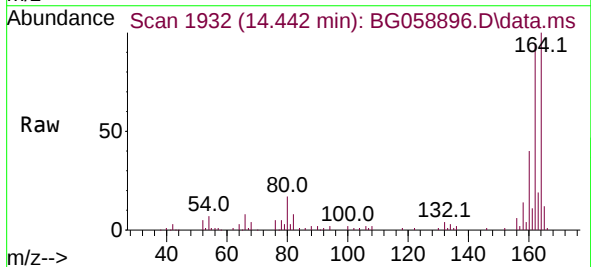
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ClientSampleId :
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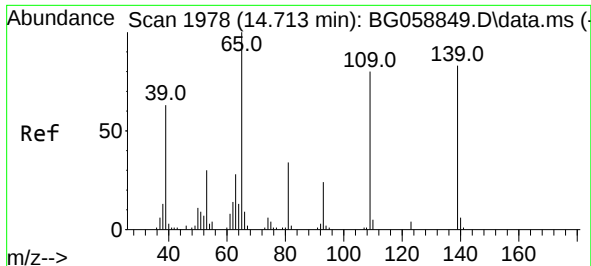
Tgt Ion:172 Resp: 220713
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 21.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.046 ng
RT: 14.442 min Scan# 1932
Delta R.T. 0.414 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:165 Resp: 7487
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#

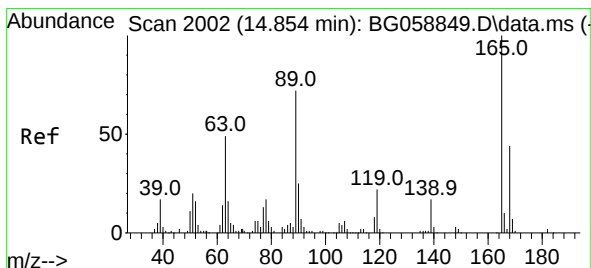
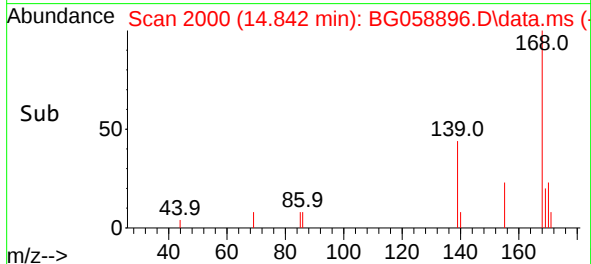
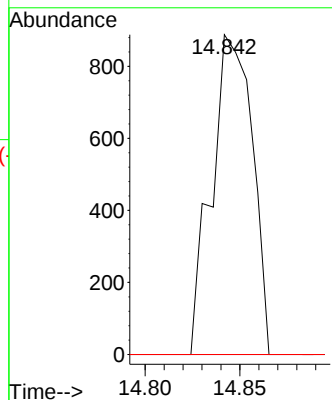
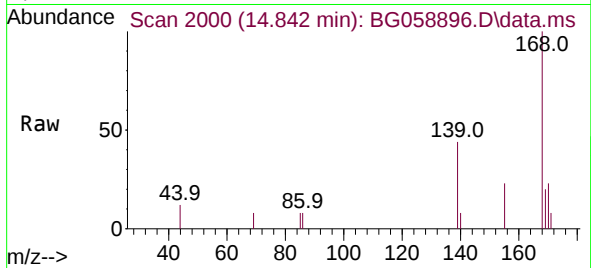




#56
4-Nitrophenol
Concen: 6.389 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.161 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

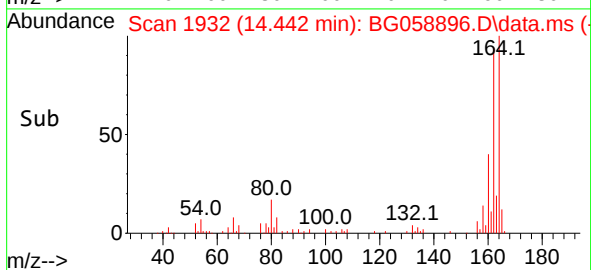
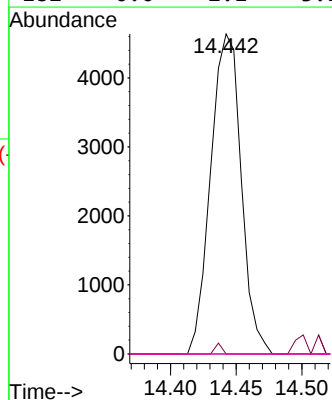
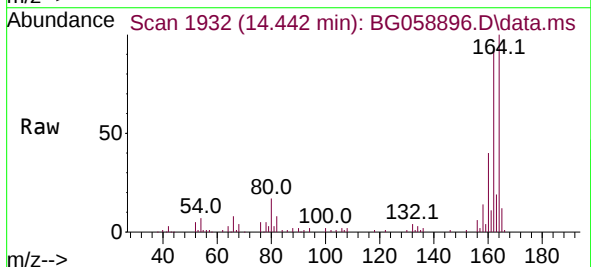
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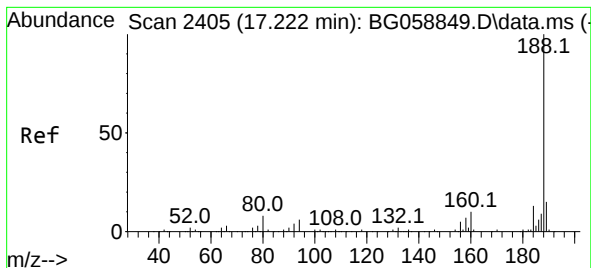
Tgt Ion:139 Resp: 1328
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#



#57
2,4-Dinitrotoluene
Concen: 5.768 ng
RT: 14.442 min Scan# 1932
Delta R.T. -0.380 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:165 Resp: 7487
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: 17.192 min Scan# 24

Delta R.T. 0.008 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

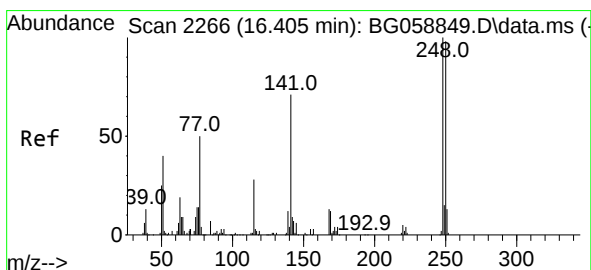
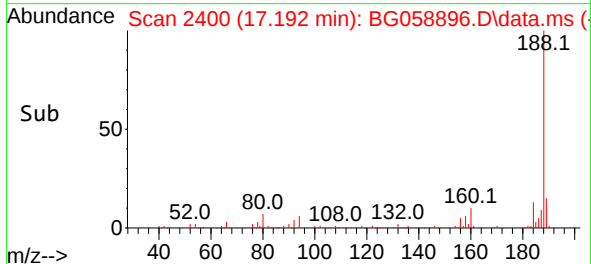
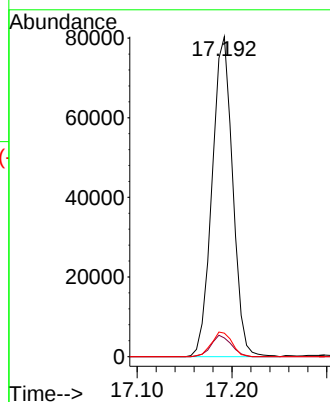
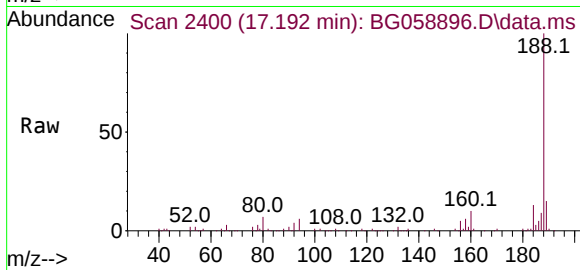
Tgt Ion:188 Resp: 121277

Ion Ratio Lower Upper

188 100

94 5.8 6.1 9.1#

80 7.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.489 ng

RT: 15.941 min Scan# 2187

Delta R.T. -0.432 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

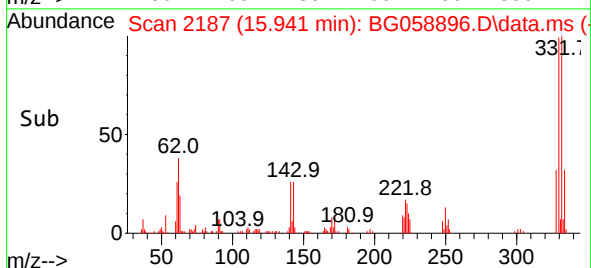
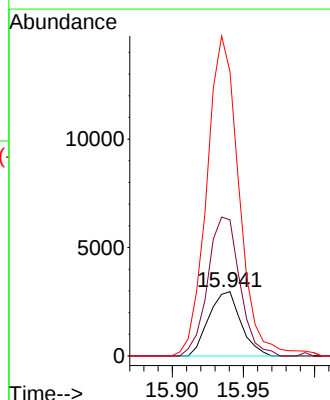
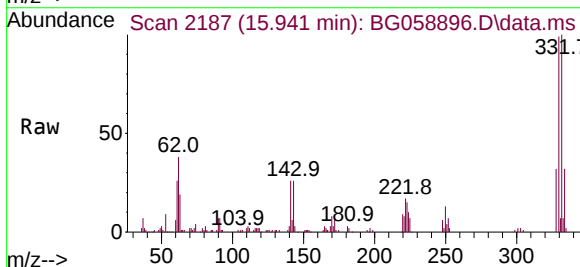
Tgt Ion:248 Resp: 4643

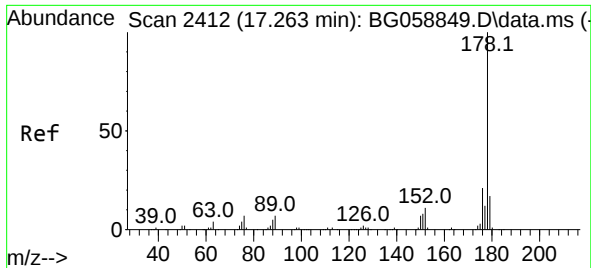
Ion Ratio Lower Upper

248 100

250 211.8 77.7 116.5#

141 442.8 53.6 80.4#

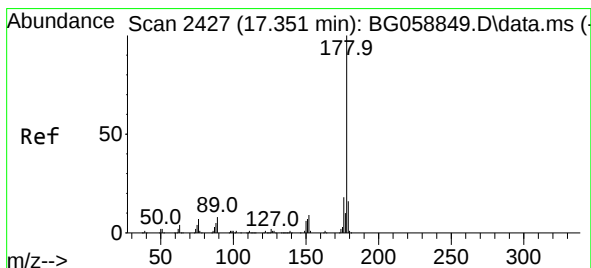
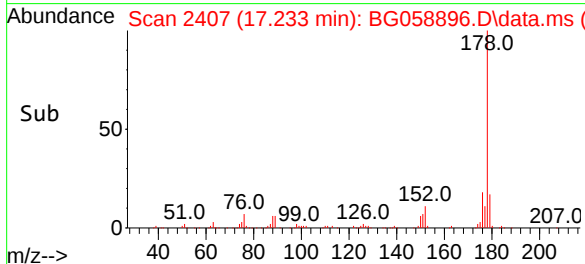
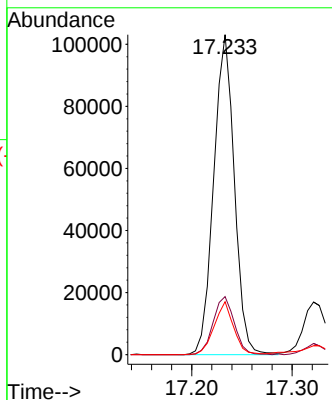
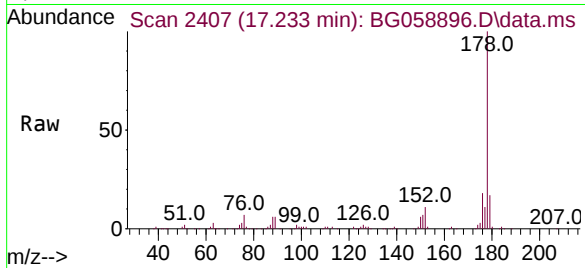




#71
Phenanthrene
Concen: 25.335 ng
RT: 17.233 min Scan# 2412
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

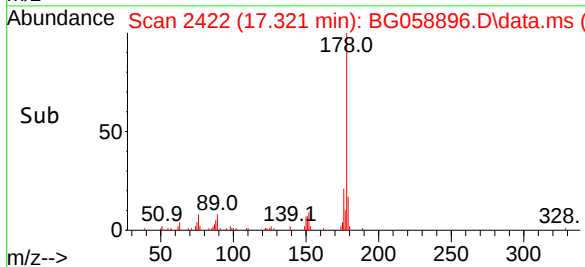
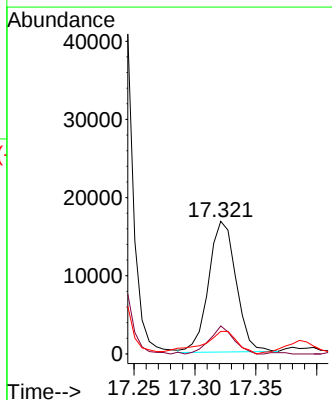
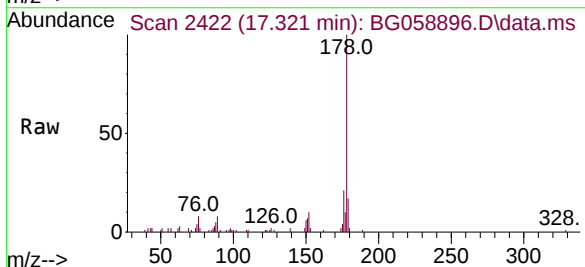
Instrument :
BNA_G
ClientSampleId :
WC-7

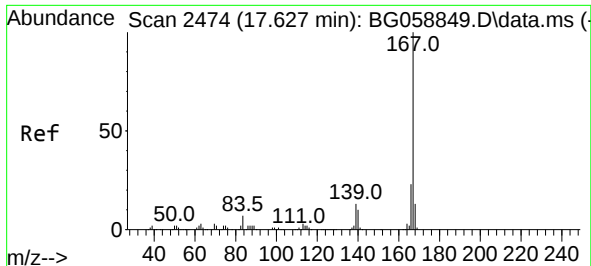
Tgt Ion:178 Resp: 147503
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.5 13.0 19.4



#72
Anthracene
Concen: 4.503 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:178 Resp: 26292
Ion Ratio Lower Upper
178 100
176 21.1 15.4 23.2
179 17.0 12.9 19.3

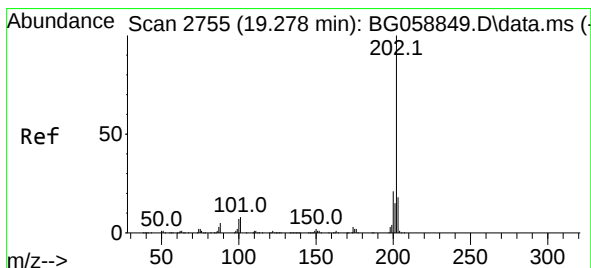
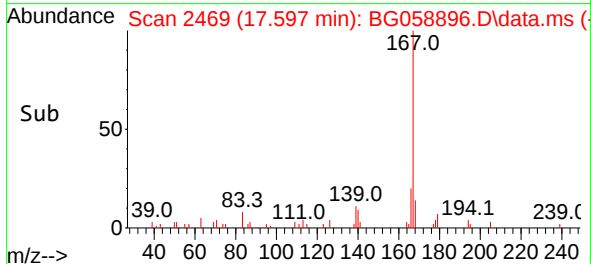
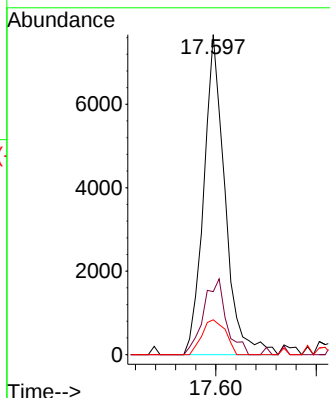
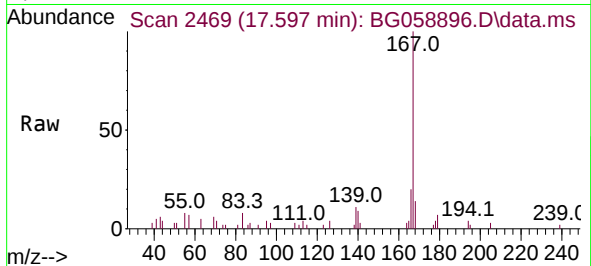




#73
 Carbazole
 Concen: 2.105 ng
 RT: 17.597 min Scan# 2474
 Delta R.T. 0.002 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51

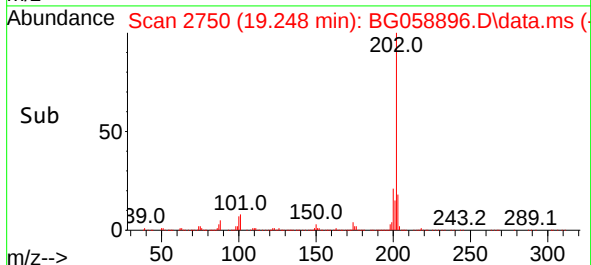
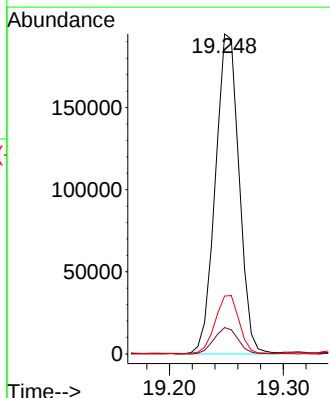
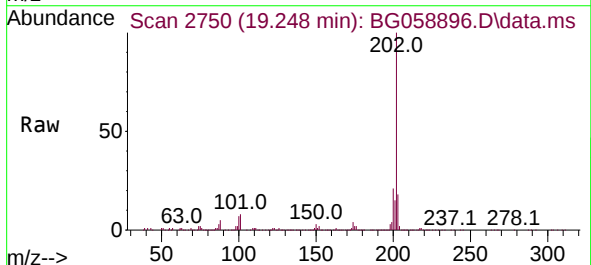
Instrument :
 BNA_G
 ClientSampleId :
 WC-7

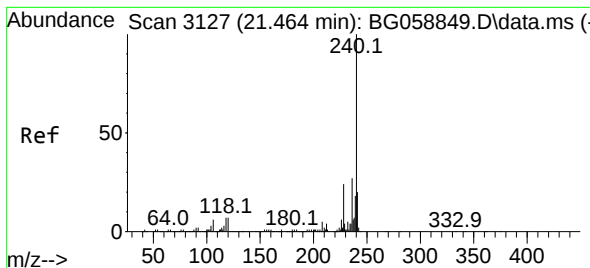
Tgt Ion:167	Resp:	11257
Ion Ratio	Lower	Upper
167	100	
166	19.7	17.4 26.2
139	10.9	9.7 14.5



#75
 Fluoranthene
 Concen: 39.086 ng
 RT: 19.248 min Scan# 2750
 Delta R.T. 0.008 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51

Tgt Ion:202	Resp:	282200
Ion Ratio	Lower	Upper
202	100	
101	8.2	0.0 29.7
203	18.1	0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.434 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

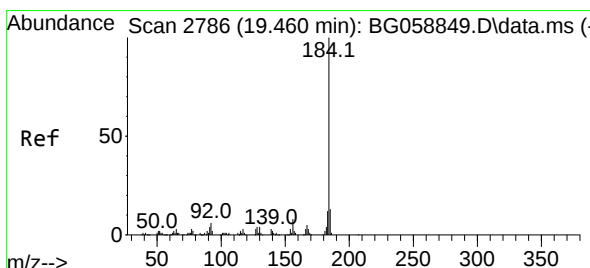
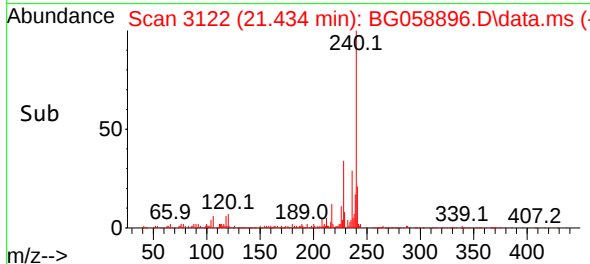
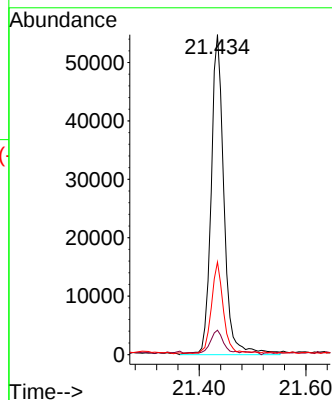
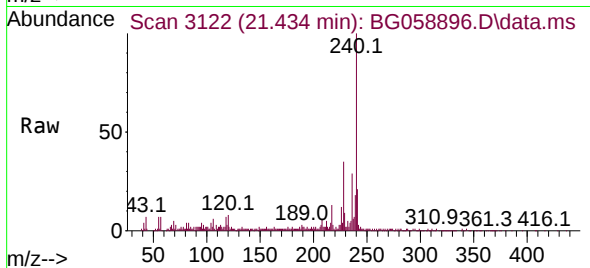
Tgt Ion:240 Resp: 92020

Ion Ratio Lower Upper

240 100

120 7.6 6.2 9.2

236 28.9 20.5 30.7



#77

Benzidine

Concen: 3.322 ng

RT: 19.812 min Scan# 2846

Delta R.T. 0.384 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

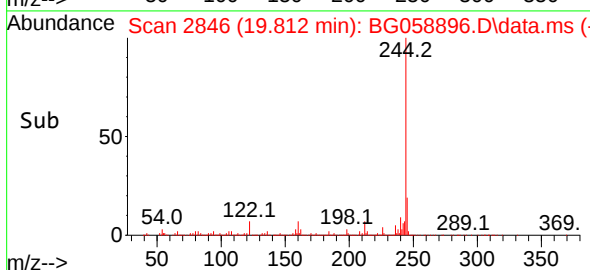
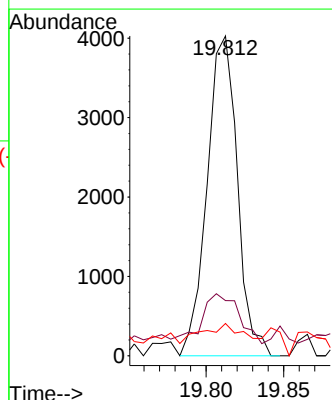
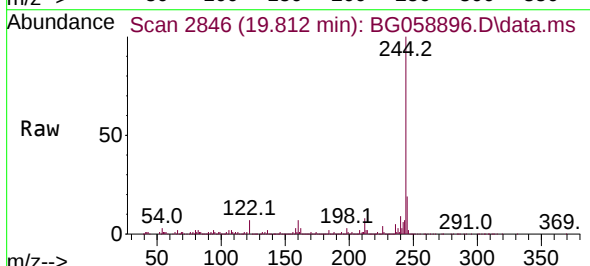
Tgt Ion:184 Resp: 5478

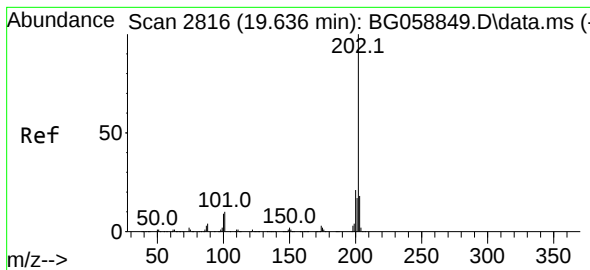
Ion Ratio Lower Upper

184 100

185 17.3 11.9 17.9

183 10.1 10.0 15.0





#78

Pyrene

Concen: 37.358 ng

RT: 19.613 min Scan# 2812

Delta R.T. 0.008 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

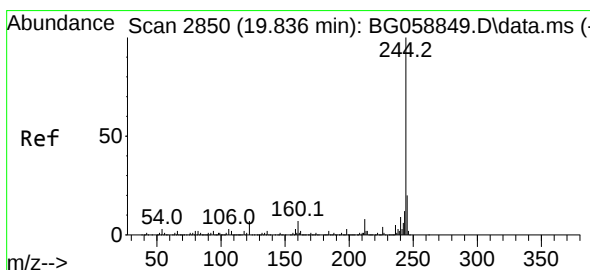
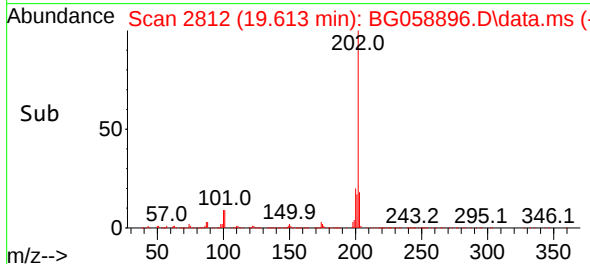
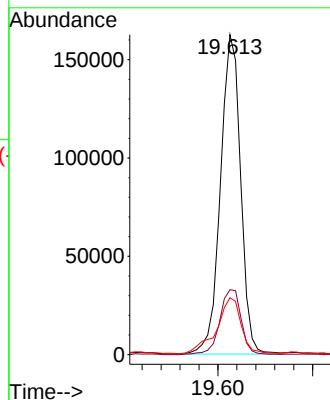
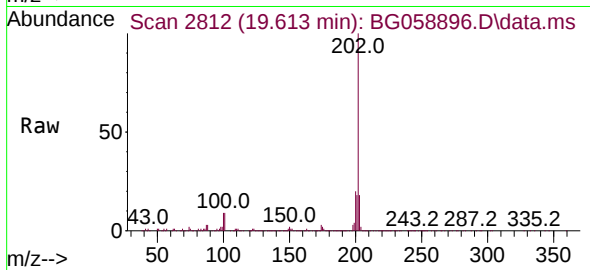
Tgt Ion:202 Resp: 239527

Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.8 15.3 22.9



#79

Terphenyl-d14

Concen: 58.077 ng

RT: 19.812 min Scan# 2846

Delta R.T. 0.008 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

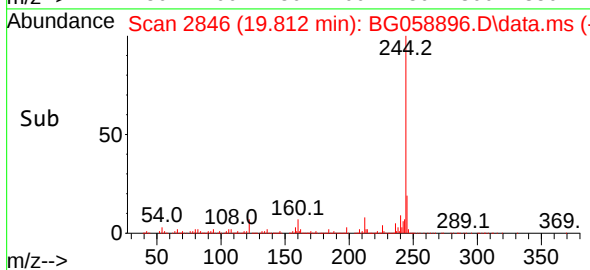
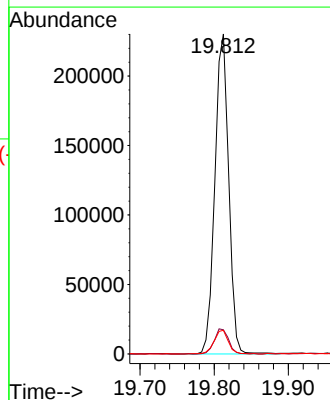
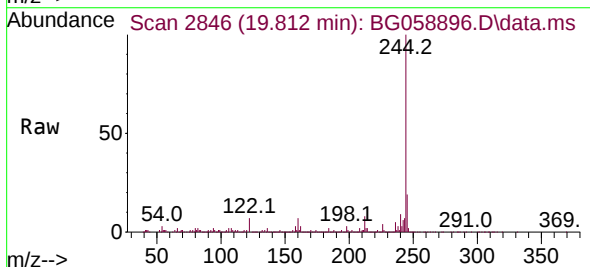
Tgt Ion:244 Resp: 297631

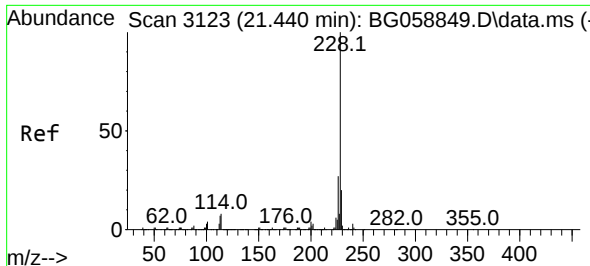
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 7.4 6.3 9.5

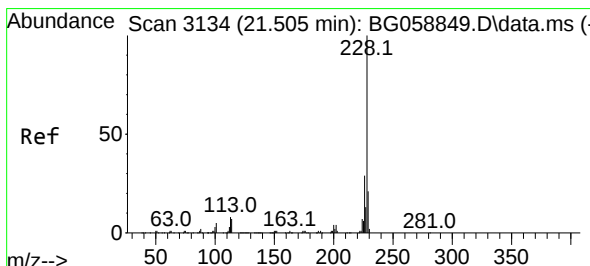
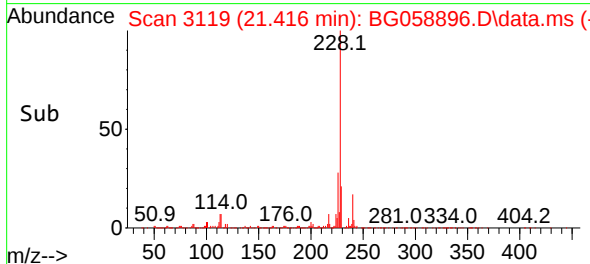
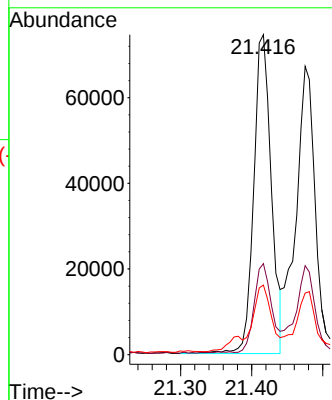
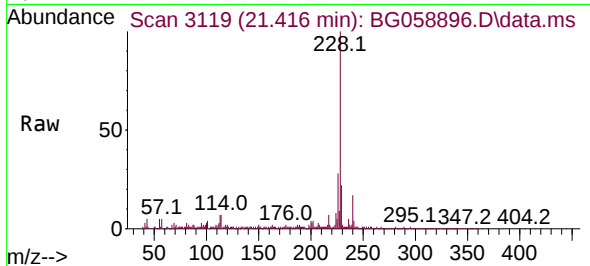




#81
Benzo(a)anthracene
Concen: 20.028 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.014 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

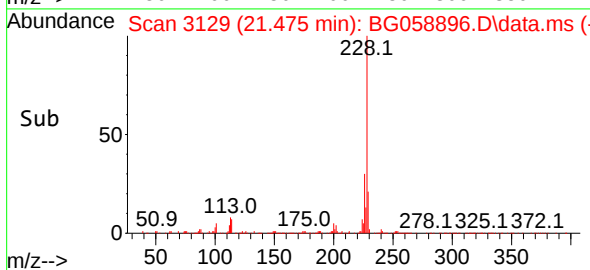
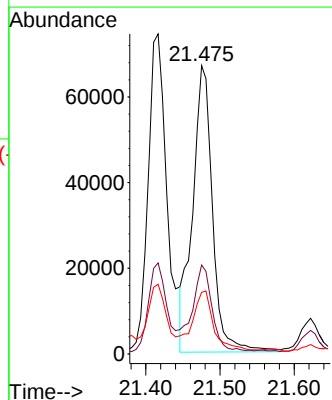
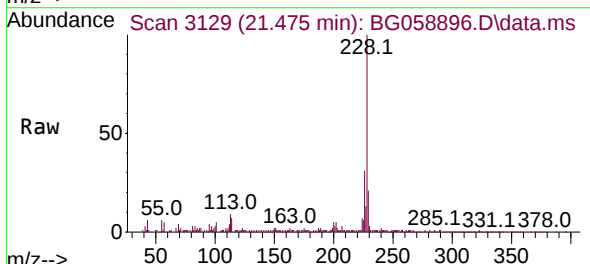
Instrument :
BNA_G
ClientSampleId :
WC-7

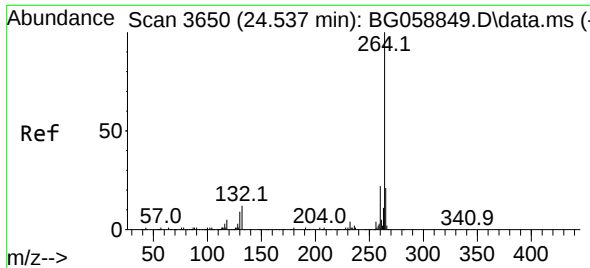
Tgt Ion:228 Resp: 128287
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 21.7 16.8 25.2



#83
Chrysene
Concen: 20.274 ng
RT: 21.475 min Scan# 3129
Delta R.T. 0.008 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:228 Resp: 125176
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.3 16.3 24.5

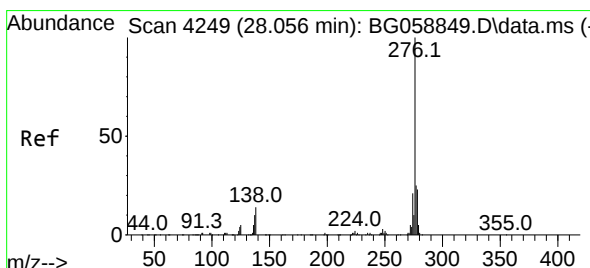
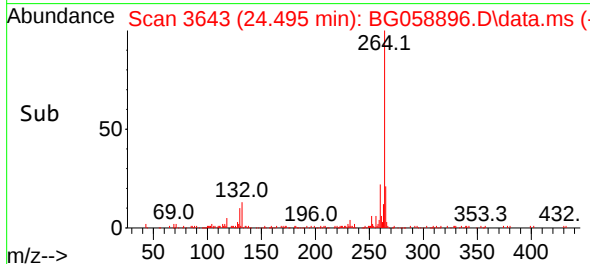
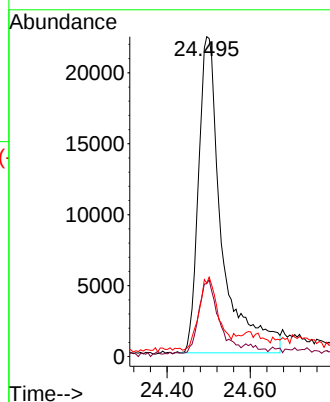
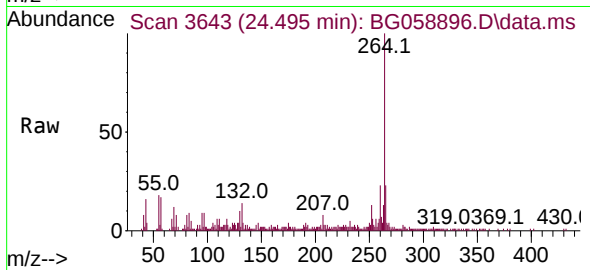




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.495 min Scan# 3643
Delta R.T. 0.026 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

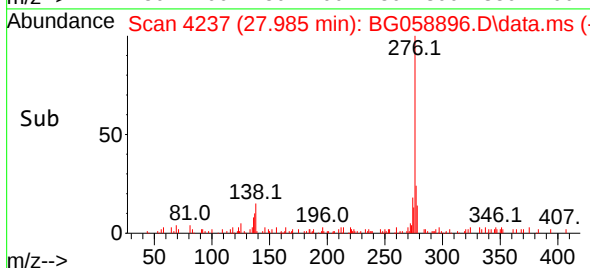
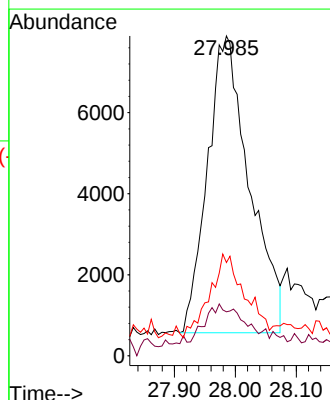
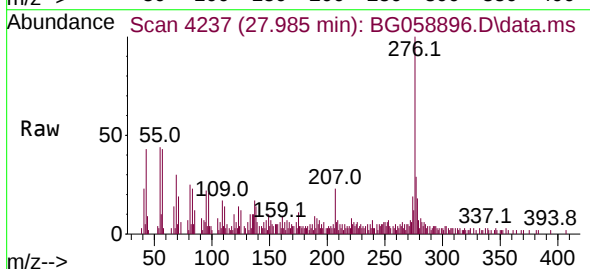
Instrument :
BNA_G
ClientSampleId :
WC-7

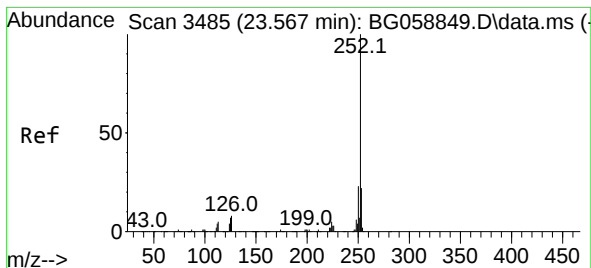
Tgt Ion:264	Resp:	86889
Ion Ratio	Lower	Upper
264	100	
260	22.8	18.2 27.2
265	23.0	16.4 24.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.968 ng
RT: 27.985 min Scan# 4237
Delta R.T. 0.032 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Tgt Ion:276	Resp:	35083
Ion Ratio	Lower	Upper
276	100	
138	6.1	6.2 9.2#
277	24.0	20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 30.459 ng

RT: 23.526 min Scan# 3478

Delta R.T. 0.020 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

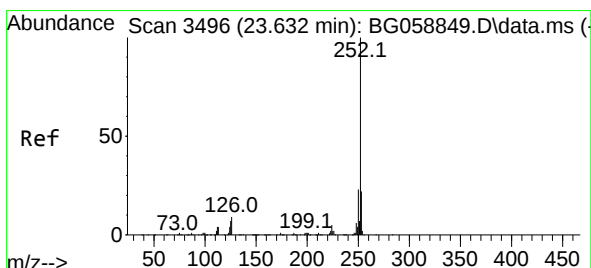
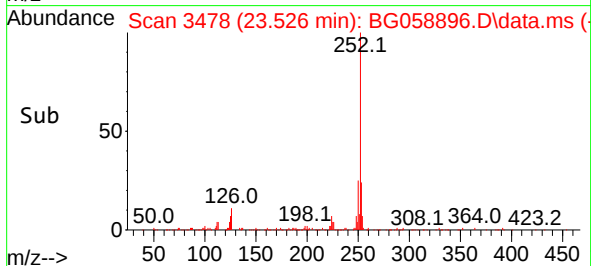
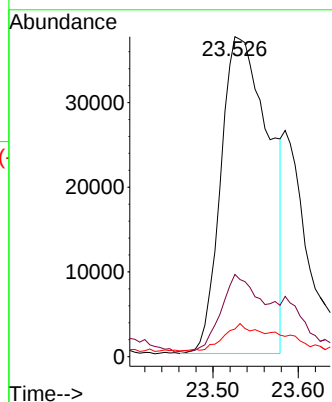
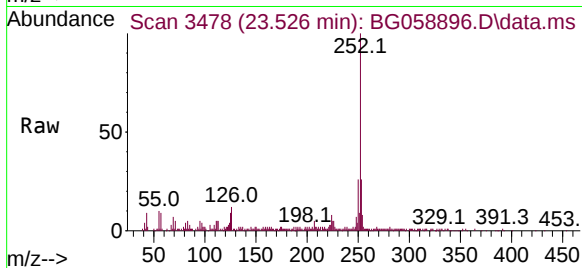
Tgt Ion:252 Resp: 146846

Ion Ratio Lower Upper

252 100

253 25.7 18.4 27.6

125 8.6 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 29.535 ng

RT: 23.526 min Scan# 3478

Delta R.T. -0.045 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

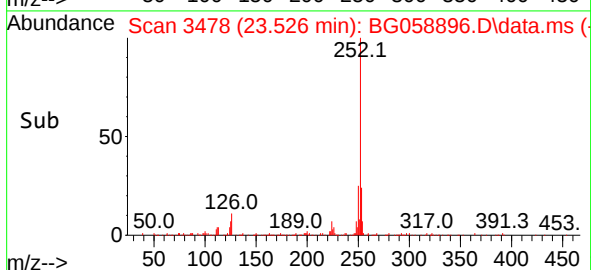
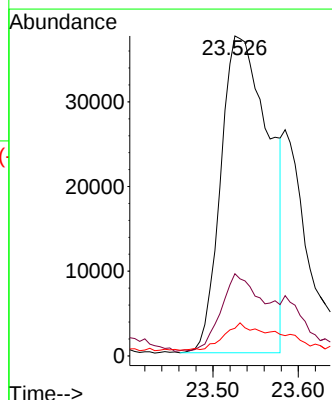
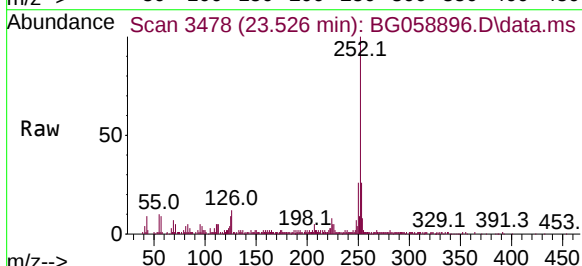
Tgt Ion:252 Resp: 146846

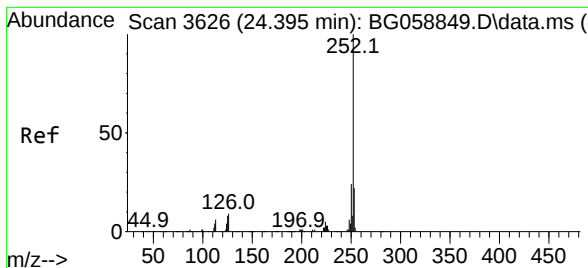
Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 8.6 6.3 9.5





#90

Benzo(a)pyrene

Concen: 20.931 ng

RT: 24.354 min Scan# 3619

Delta R.T. 0.020 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

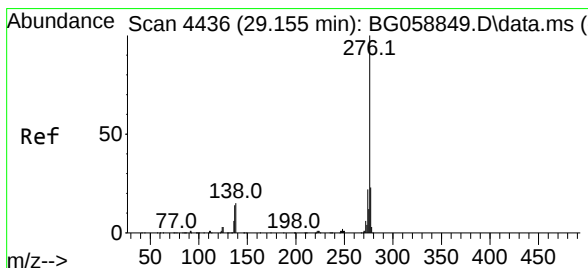
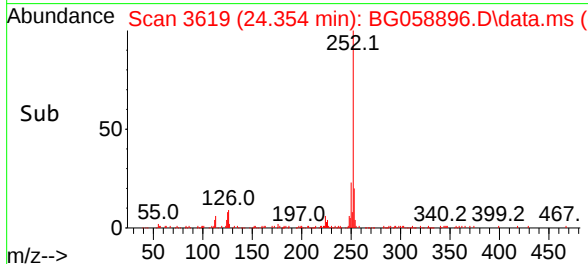
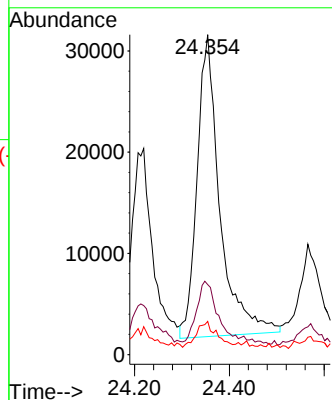
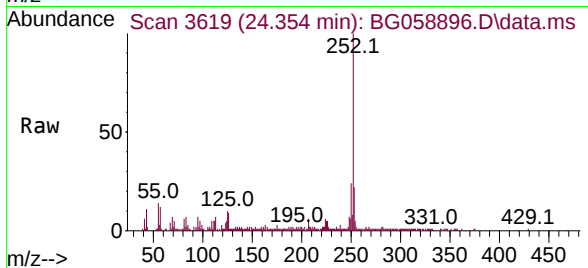
Tgt Ion:252 Resp: 99359

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.4 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 5.894 ng

RT: 29.066 min Scan# 4421

Delta R.T. 0.020 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Tgt Ion:276 Resp: 28467

Ion Ratio Lower Upper

276 100

277 33.9 17.8 26.6#

138 14.4 11.1 16.7

