

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058888.D
 Acq On : 29 Aug 2023 15:23
 Operator : MA/JU
 Sample : 04169-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423

Quant Time: Aug 29 18:48:56 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)

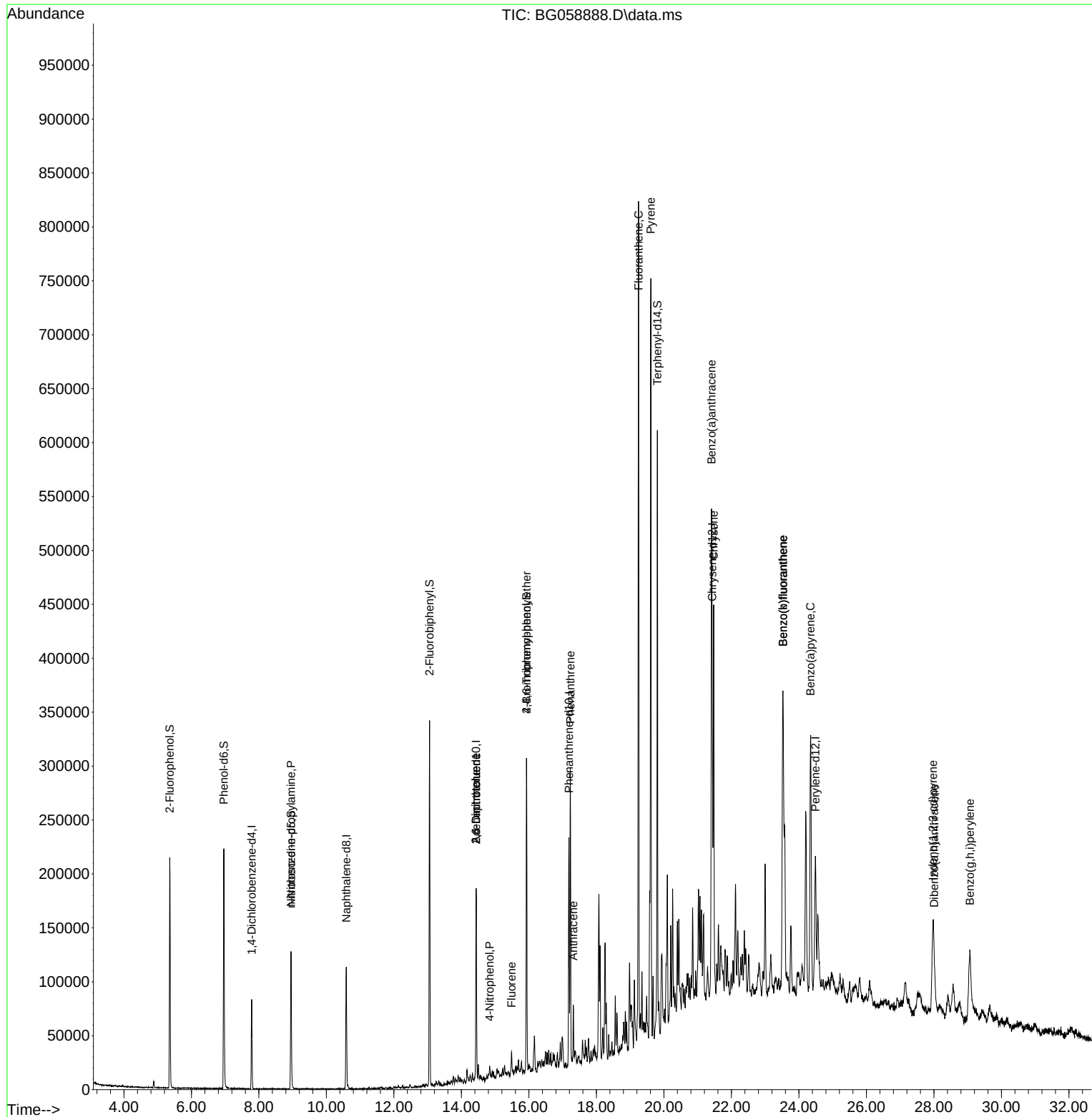
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.785	152	21587	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	94139	20.000	ng	# 0.00
39) Acenaphthene-d10	14.436	164	63977	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	131354	20.000	ng	0.00
76) Chrysene-d12	21.428	240	109064	20.000	ng	0.00
86) Perylene-d12	24.489	264	137298	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	87389	65.146	ng	0.00
7) Phenol-d6	6.962	99	124358	66.076	ng	0.00
23) Nitrobenzene-d5	8.948	82	77117	39.384	ng	0.00
42) 2,4,6-Tribromophenol	15.928	330	59426	59.240	ng	0.00
45) 2-Fluorobiphenyl	13.055	172	181849	41.342	ng	0.00
79) Terphenyl-d14	19.806	244	271547	44.707	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.954	70	9991	8.212	ng	# 70
51) 2,6-Dinitrotoluene	14.436	165	8781	8.438	ng	# 24
56) 4-Nitrophenol	14.835	139	1875	6.896	ng	# 8
57) 2,4-Dinitrotoluene	14.436	165	8781	6.050	ng	# 21
58) Fluorene	15.488	166	9390	2.055	ng	95
67) 4-Bromophenyl-phenylether	15.928	248	3711	2.575	ng	# 1
71) Phenanthrene	17.227	178	162632	25.790	ng	98
72) Anthracene	17.315	178	34791	5.501	ng	97
75) Fluoranthene	19.248	202	472173	60.380	ng	98
78) Pyrene	19.612	202	467594	61.532	ng	99
81) Benzo(a)anthracene	21.410	228	271458	35.756	ng	98
83) Chrysene	21.475	228	253293	34.614	ng	98
87) Indeno(1,2,3-cd)pyrene	27.973	276	162069	17.447	ng	# 91
88) Benzo(b)fluoranthene	23.525	252	348641	45.765	ng	98
89) Benzo(k)fluoranthene	23.525	252	348641	44.376	ng	99
90) Benzo(a)pyrene	24.342	252	269759	35.963	ng	99
91) Dibenzo(a,h)anthracene	28.008	278	40523	5.309	ng	# 85
92) Benzo(g,h,i)perylene	29.066	276	149459	19.584	ng	97

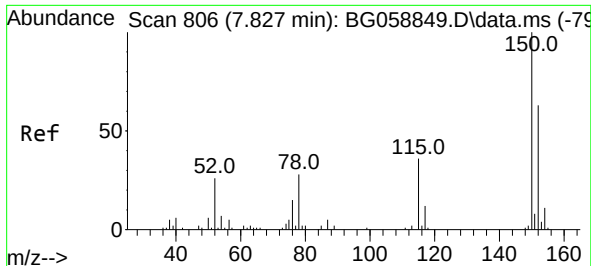
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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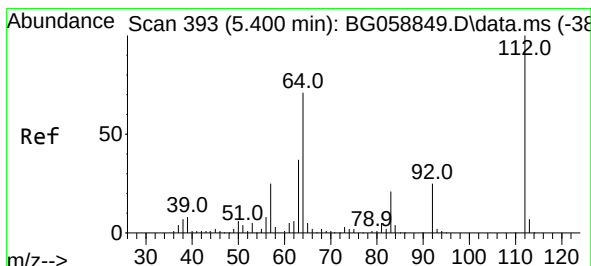
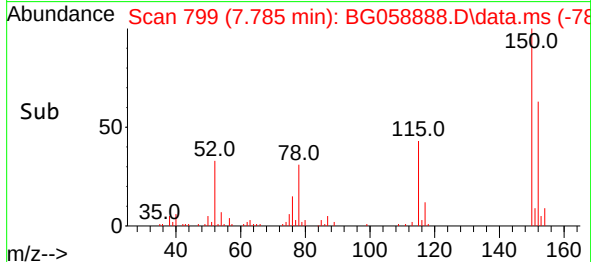
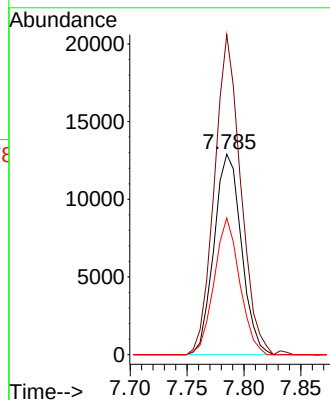
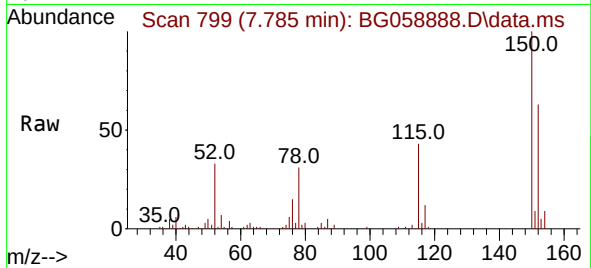




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.785 min Scan# 79
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

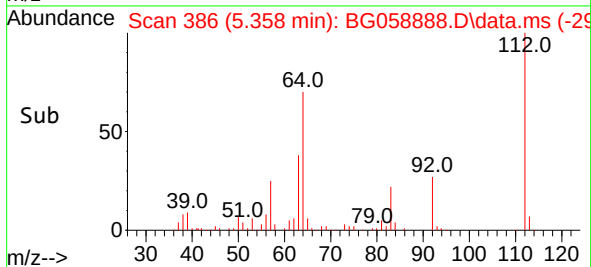
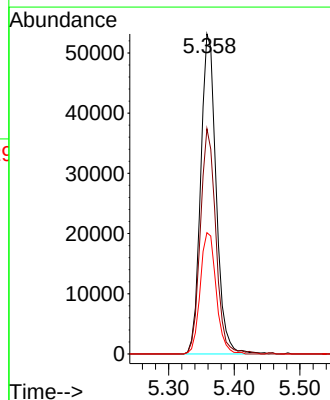
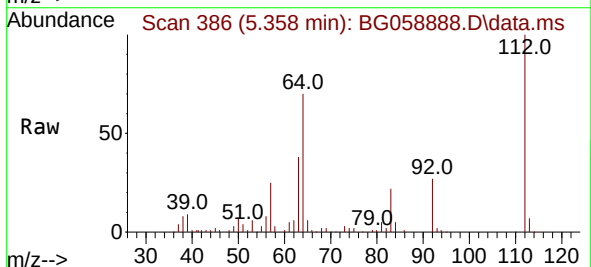
Instrument :
BNA_G
ClientSampleId :
PL-01-082423

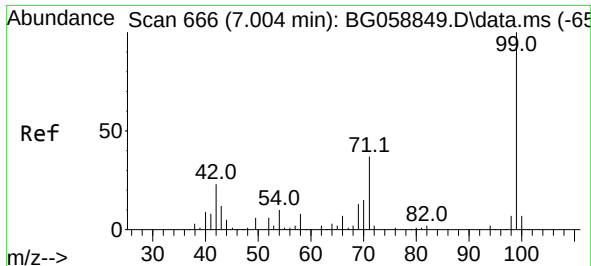
Tgt Ion:152 Resp: 21587
Ion Ratio Lower Upper
152 100
150 159.7 128.6 192.8
115 68.2 50.4 75.6



#5
2-Fluorophenol
Concen: 65.146 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.002 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:112 Resp: 87389
Ion Ratio Lower Upper
112 100
64 70.4 60.6 90.8
63 37.9 31.0 46.4

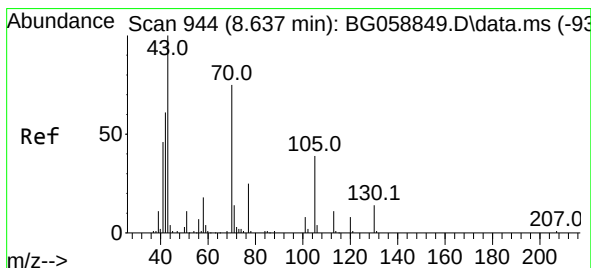
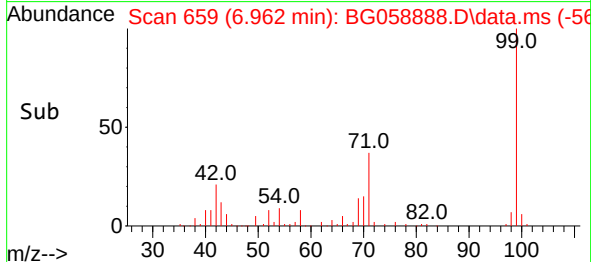
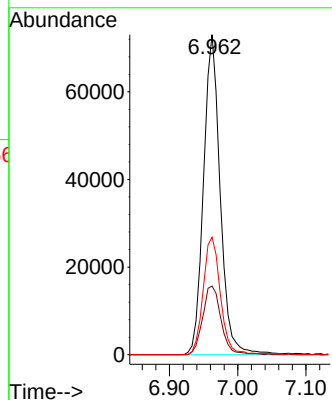
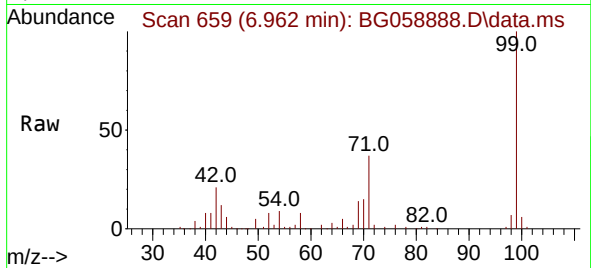




#7
Phenol-d6
Concen: 66.076 ng
RT: 6.962 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

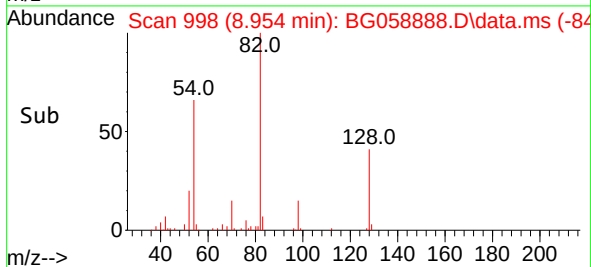
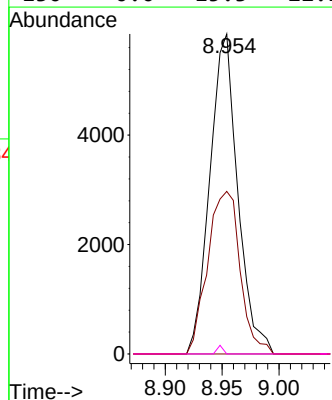
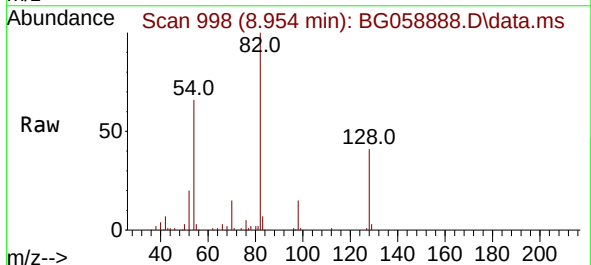
Instrument :
BNA_G
ClientSampleId :
PL-01-082423

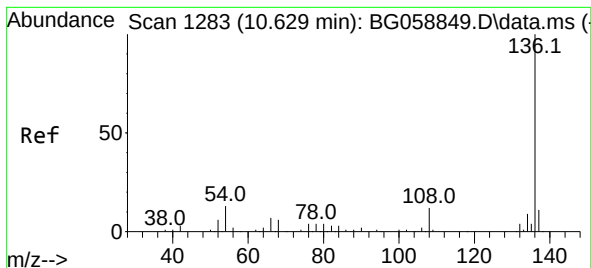
Tgt Ion: 99 Resp: 124358
Ion Ratio Lower Upper
99 100
42 21.4 16.5 24.7
71 36.7 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.212 ng
RT: 8.954 min Scan# 998
Delta R.T. 0.354 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion: 70 Resp: 9991
Ion Ratio Lower Upper
70 100
42 50.8 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: 10.587 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

Tgt Ion:136 Resp: 94139

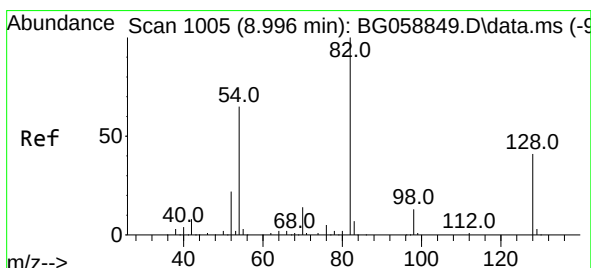
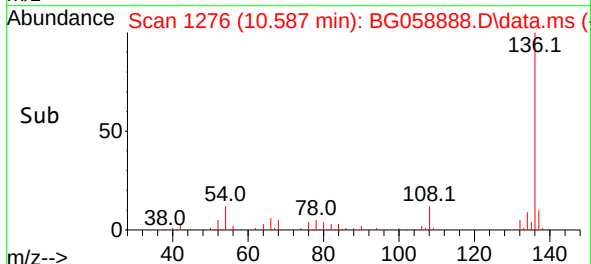
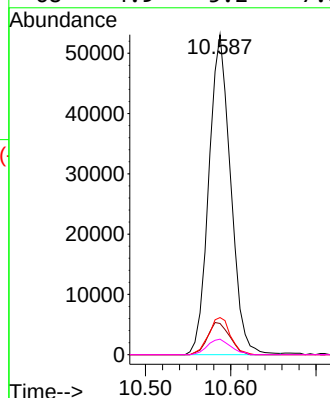
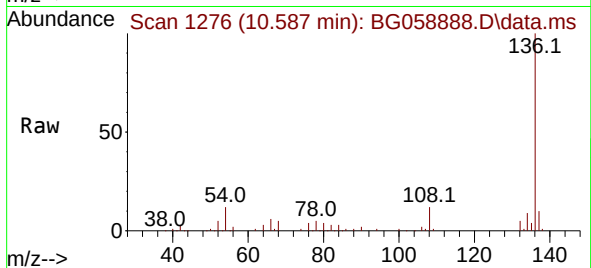
Ion Ratio Lower Upper

136 100

137 9.7 8.7 13.1

54 11.6 10.1 15.1

68 4.9 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 39.384 ng

RT: 8.948 min Scan# 997

Delta R.T. -0.010 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

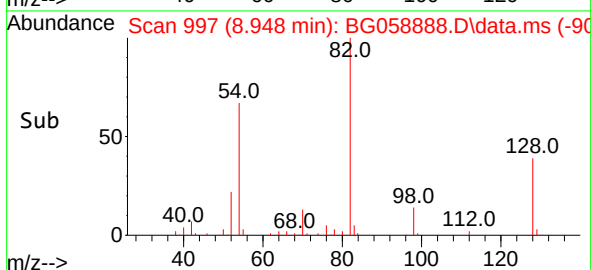
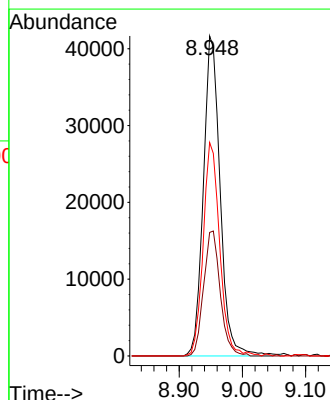
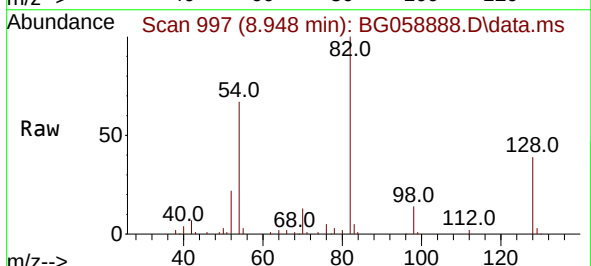
Tgt Ion: 82 Resp: 77117

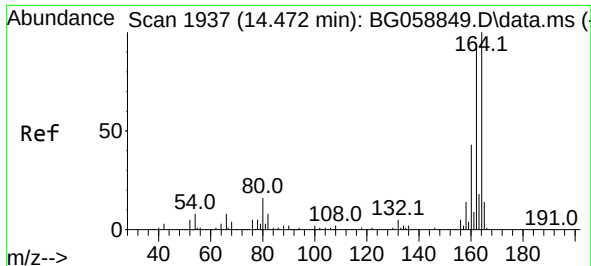
Ion Ratio Lower Upper

82 100

128 38.6 33.2 49.8

54 66.7 51.2 76.8

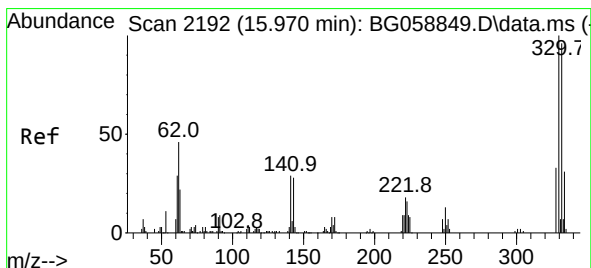
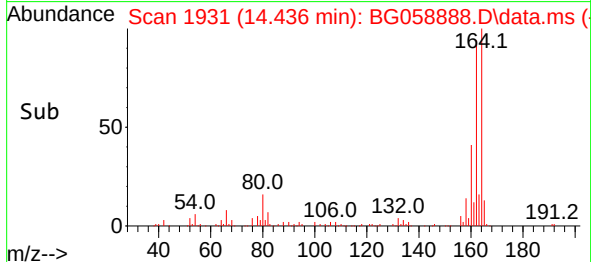
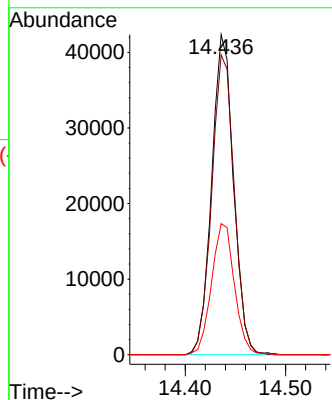
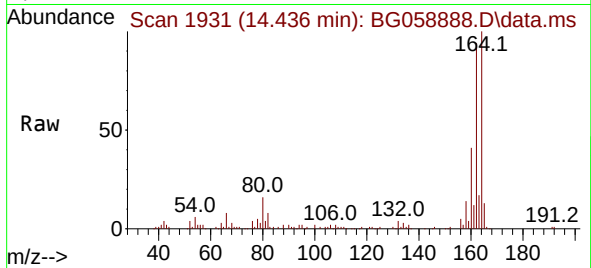




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.436 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

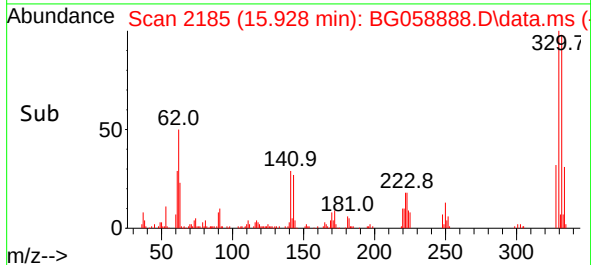
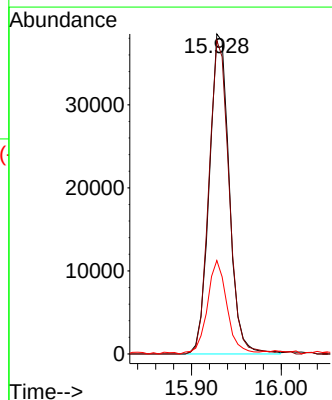
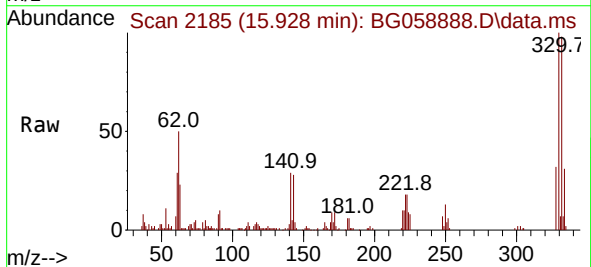
Instrument :
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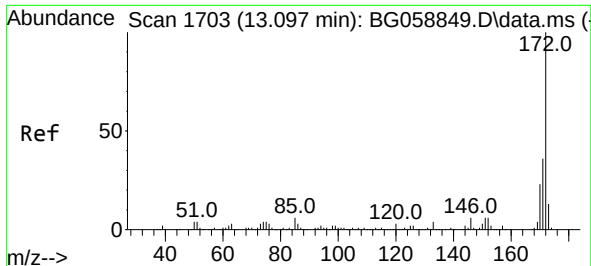
Tgt Ion:164 Resp: 63977
Ion Ratio Lower Upper
164 100
162 93.7 79.6 119.4
160 40.9 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 59.240 ng
RT: 15.928 min Scan# 2185
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:330 Resp: 59426
Ion Ratio Lower Upper
330 100
332 98.4 78.5 117.7
141 28.9 23.0 34.6

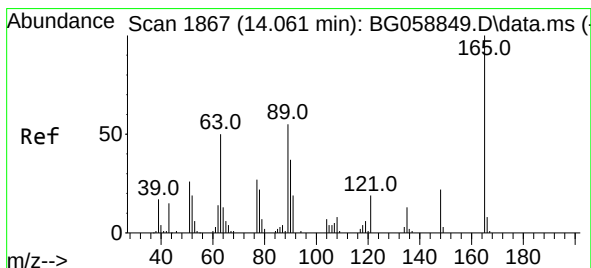
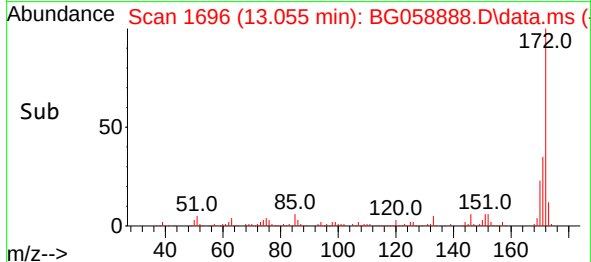
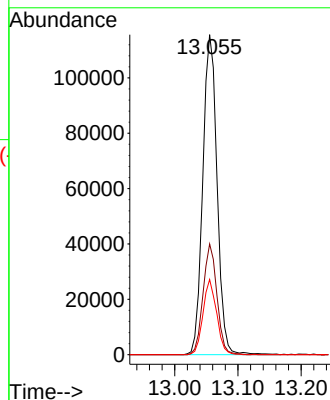
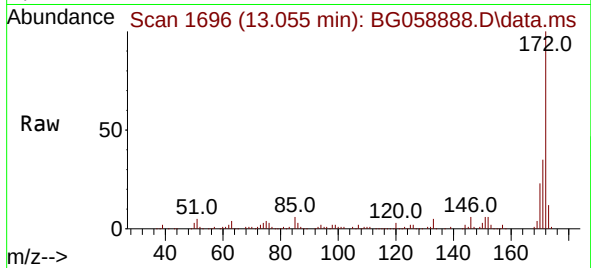




#45
 2-Fluorobiphenyl
 Concen: 41.342 ng
 RT: 13.055 min Scan# 1
 Delta R.T. -0.004 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

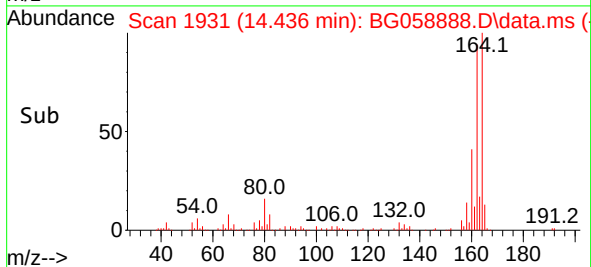
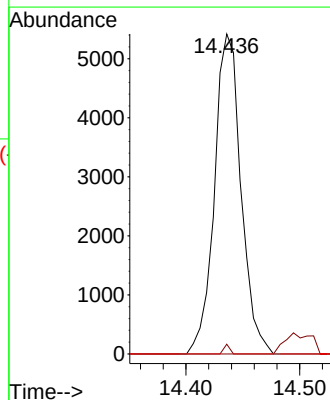
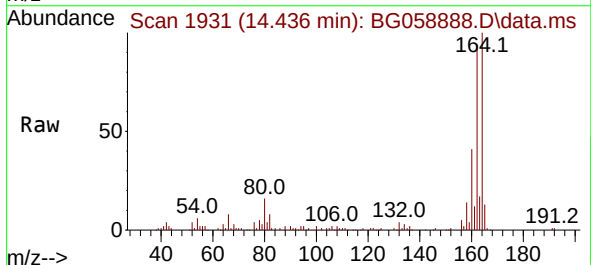
Instrument :
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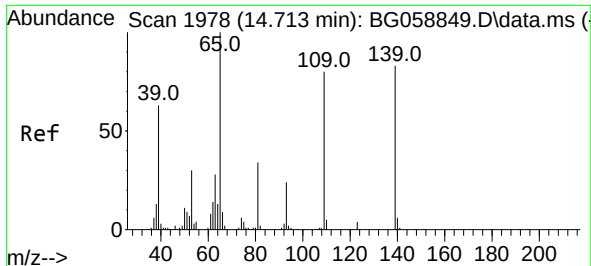
Tgt Ion:172 Resp: 181849
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.1 42.1
 170 23.5 18.6 27.8



#51
 2,6-Dinitrotoluene
 Concen: 8.438 ng
 RT: 14.436 min Scan# 1931
 Delta R.T. 0.407 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

Tgt Ion:165 Resp: 8781
 Ion Ratio Lower Upper
 165 100
 63 3.1 47.2 70.8#
 89 0.0 45.0 67.4#

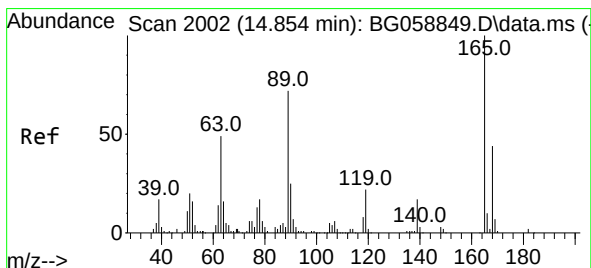
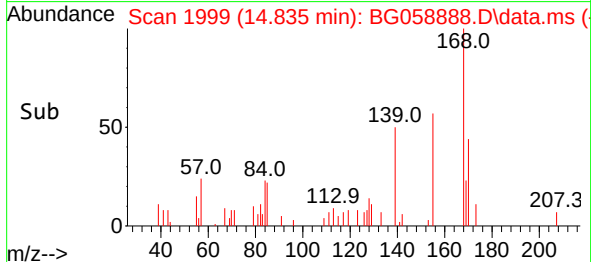
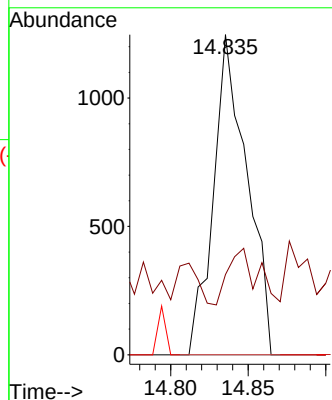
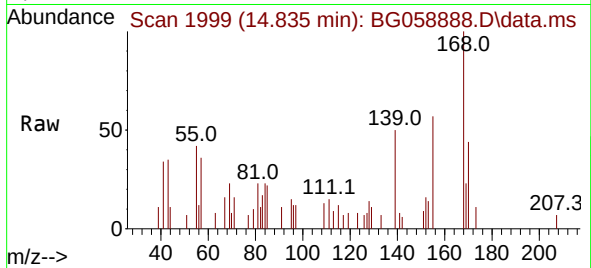




#56
4-Nitrophenol
Concen: 6.896 ng
RT: 14.835 min Scan# 1931
Delta R.T. 0.155 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

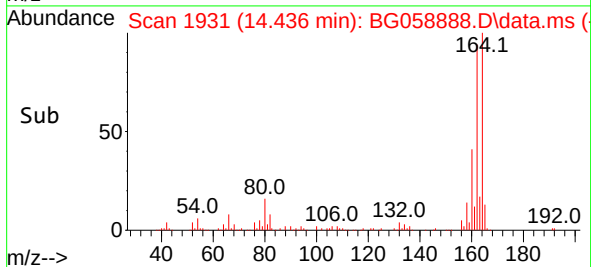
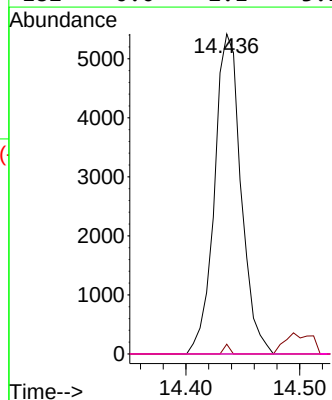
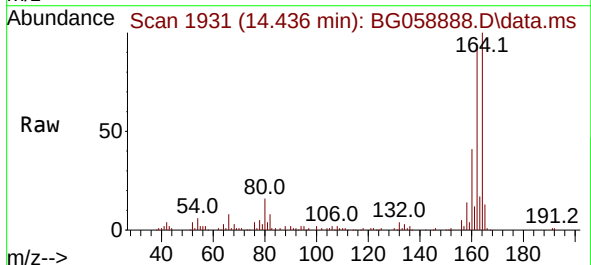
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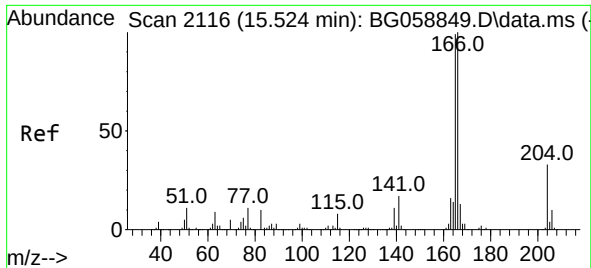
Tgt Ion:139 Resp: 1875
Ion Ratio Lower Upper
139 100
109 25.1 71.9 111.9#
65 0.0 100.7 140.7#



#57
2,4-Dinitrotoluene
Concen: 6.050 ng
RT: 14.436 min Scan# 1931
Delta R.T. -0.386 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:165 Resp: 8781
Ion Ratio Lower Upper
165 100
63 3.1 41.8 62.6#
89 0.0 60.7 91.1#
182 0.0 2.1 3.1#

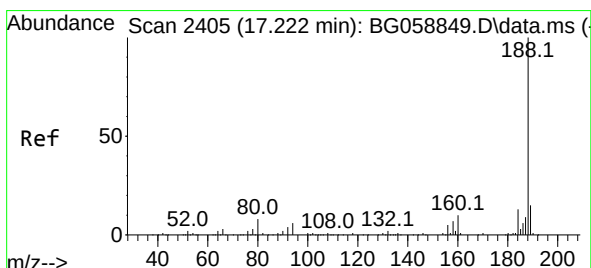
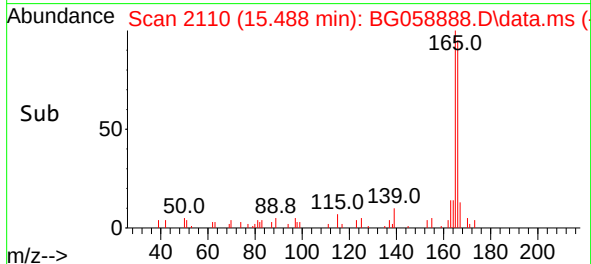
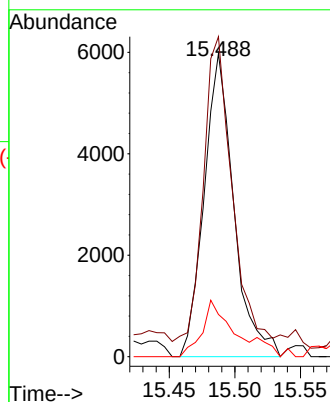
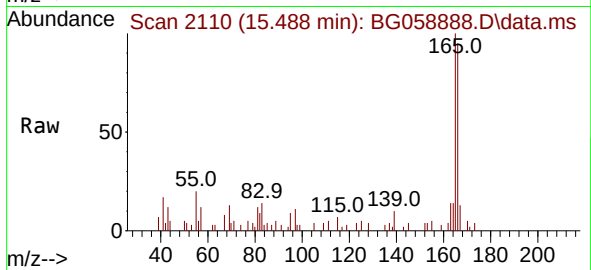




#58
Fluorene
Concen: 2.055 ng
RT: 15.488 min Scan# 2116
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

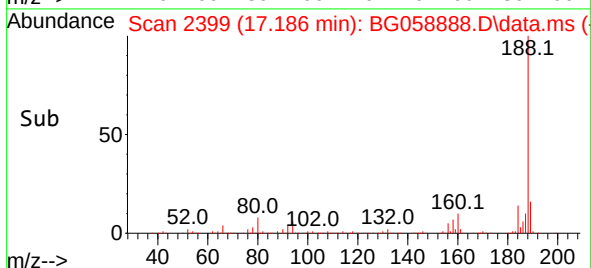
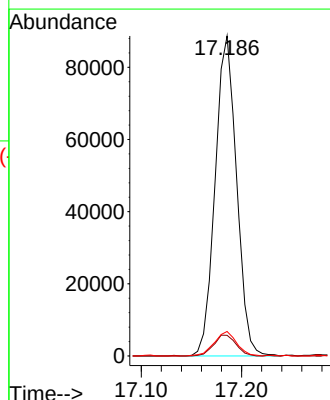
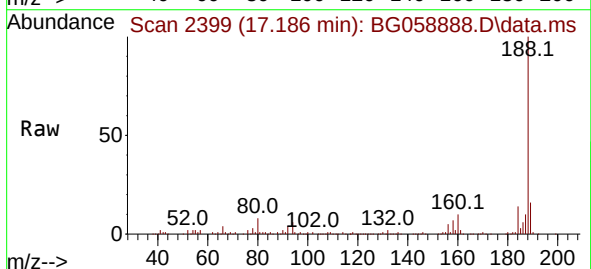
Instrument :
BNA_G
ClientSampleId :
PL-01-082423

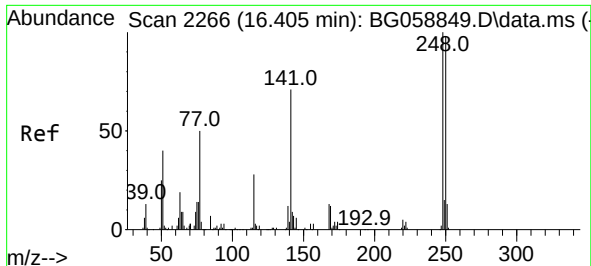
Tgt Ion:166 Resp: 9390
Ion Ratio Lower Upper
166 100
165 105.6 79.9 119.9
167 13.9 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.002 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:188 Resp: 131354
Ion Ratio Lower Upper
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94 6.4 6.1 9.1
80 7.7 6.9 10.3

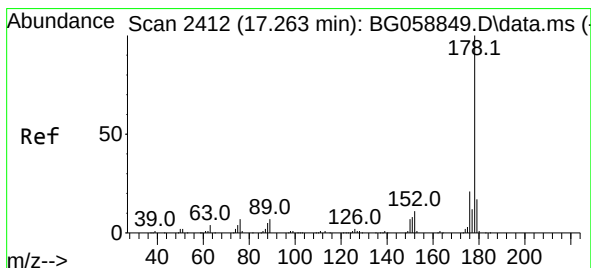
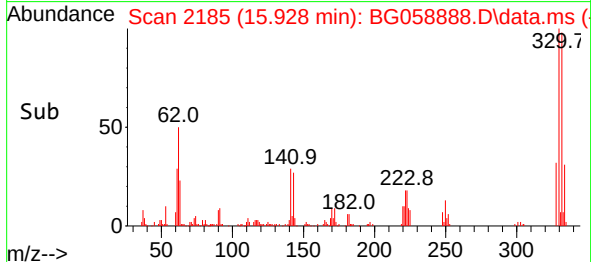
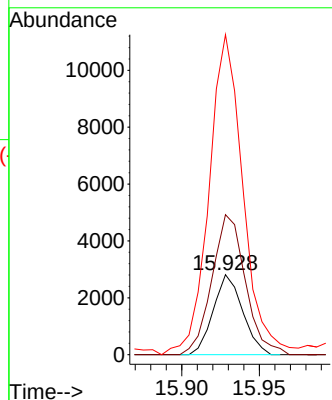
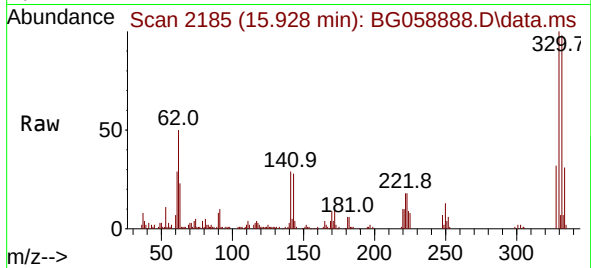




#67
4-Bromophenyl-phenylether
Concen: 2.575 ng
RT: 15.928 min Scan# 2185
Delta R.T. -0.445 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

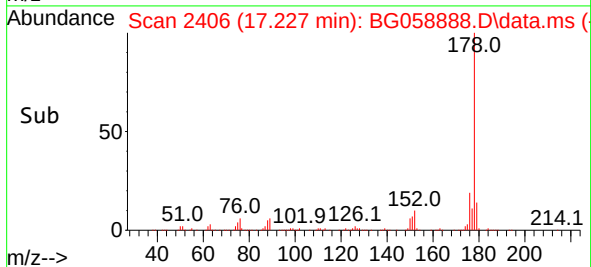
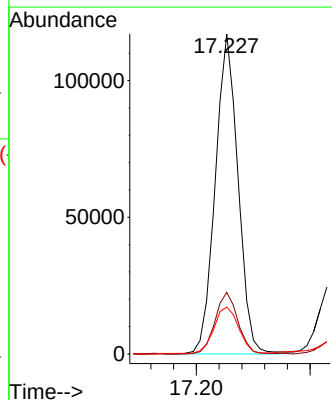
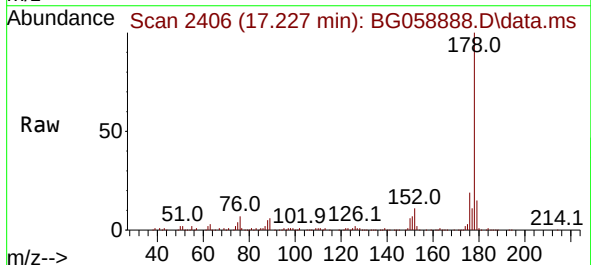
Instrument :
BNA_G
ClientSampleId :
PL-01-082423

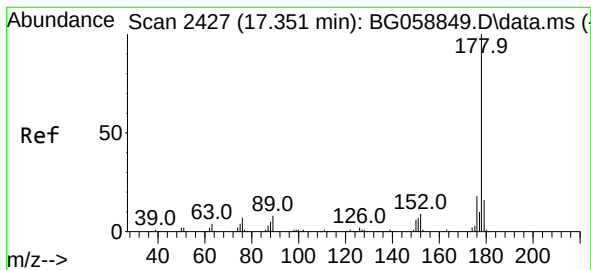
Tgt Ion:248 Resp: 3711
Ion Ratio Lower Upper
248 100
250 175.0 77.7 116.5#
141 400.2 53.6 80.4#



#71
Phenanthrene
Concen: 25.790 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:178 Resp: 162632
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.6 13.0 19.4





#72

Anthracene

Concen: 5.501 ng

RT: 17.315 min Scan# 2421

Delta R.T. -0.004 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

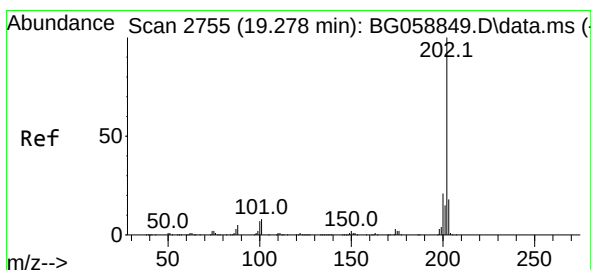
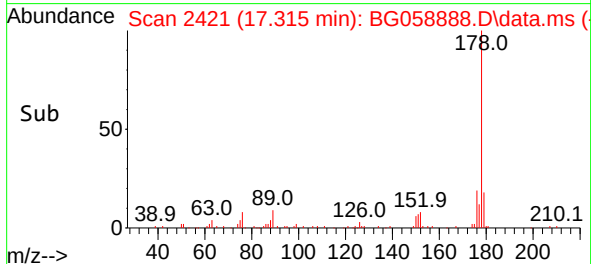
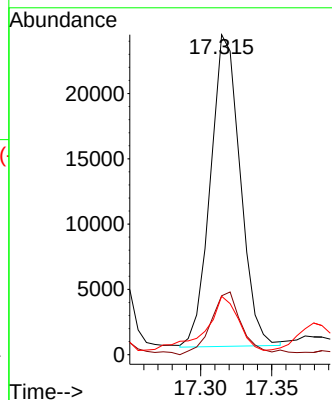
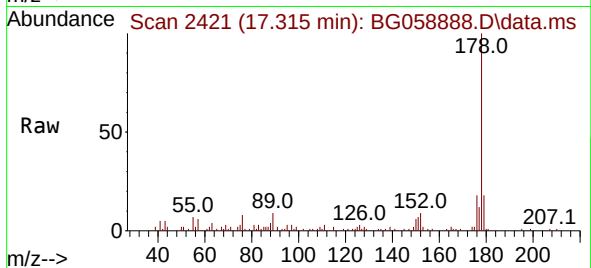
Tgt Ion:178 Resp: 34791

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 18.2 12.9 19.3



#75

Fluoranthene

Concen: 60.380 ng

RT: 19.248 min Scan# 2750

Delta R.T. 0.008 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

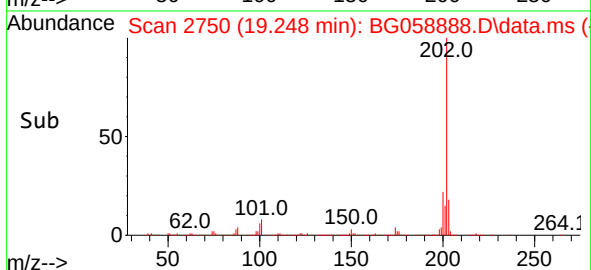
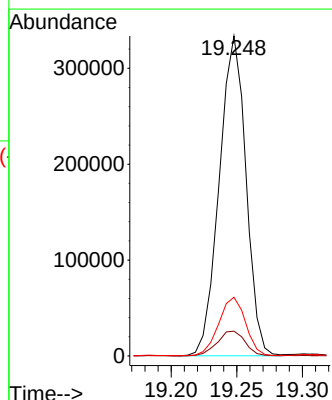
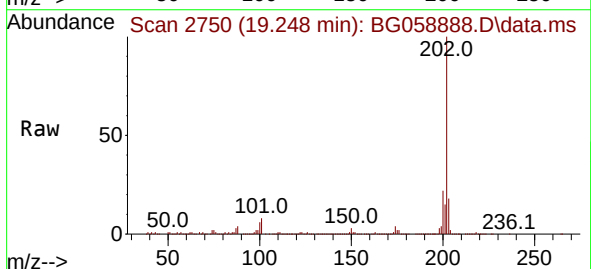
Tgt Ion:202 Resp: 472173

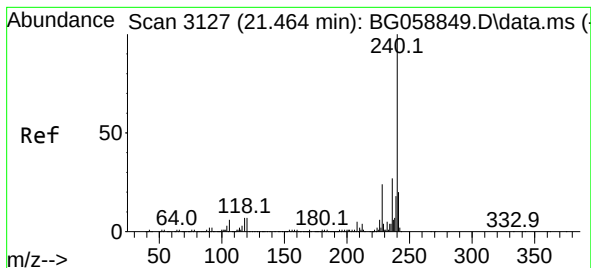
Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.7

203 18.4 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.428 min Scan# 3121

Delta R.T. 0.002 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

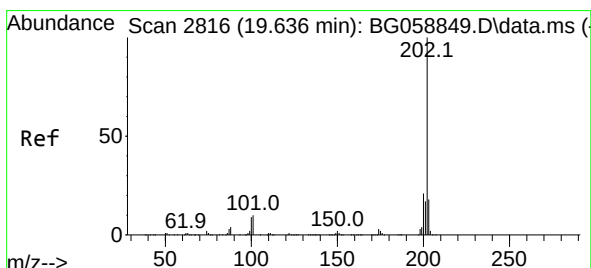
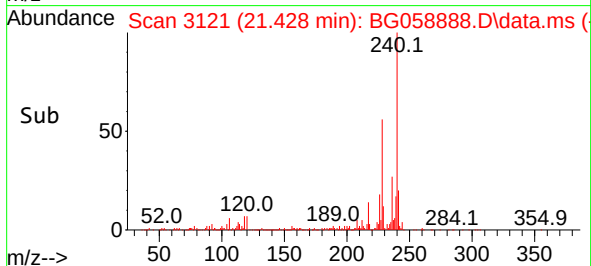
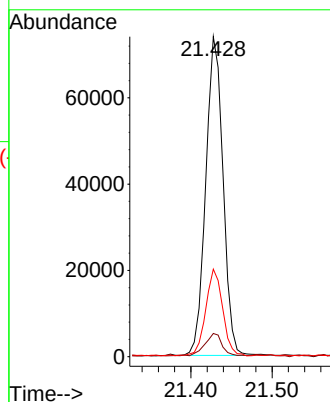
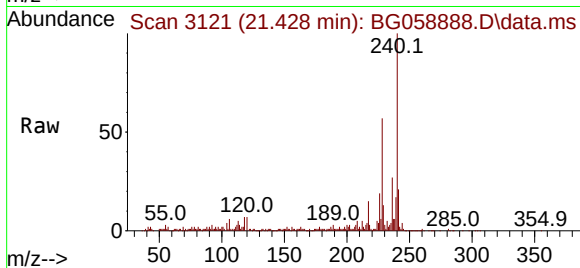
Tgt Ion:240 Resp: 109064

Ion Ratio Lower Upper

240 100

120 7.3 6.2 9.2

236 27.3 20.5 30.7



#78

Pyrene

Concen: 61.532 ng

RT: 19.612 min Scan# 2812

Delta R.T. 0.008 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

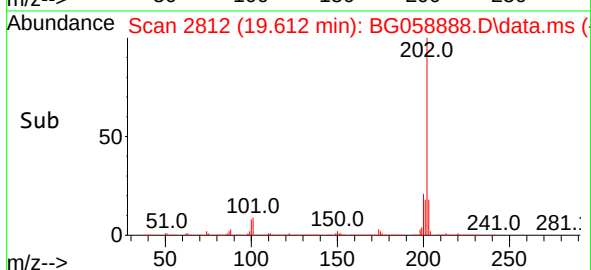
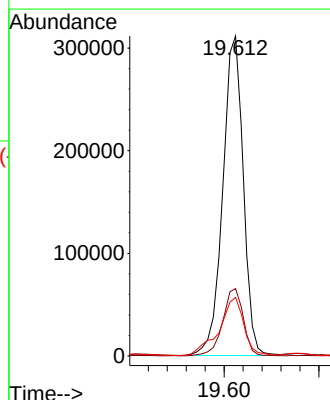
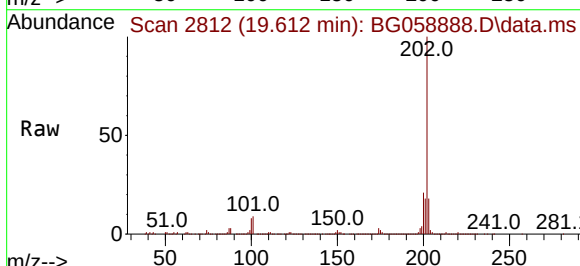
Tgt Ion:202 Resp: 467594

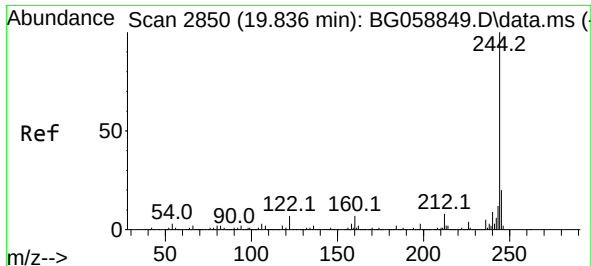
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.3 15.3 22.9

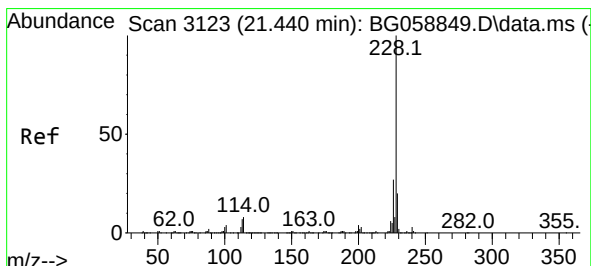
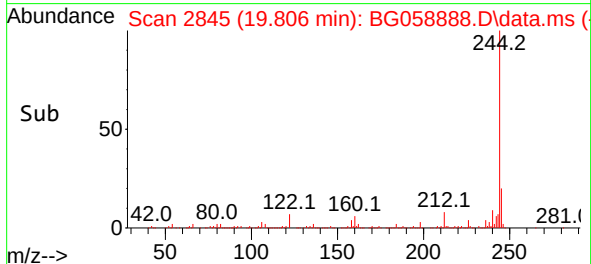
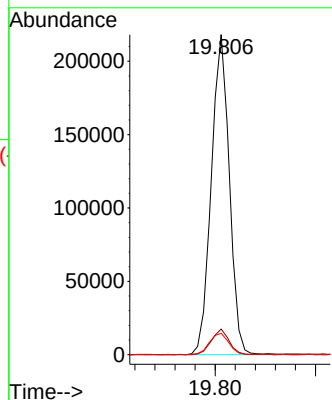
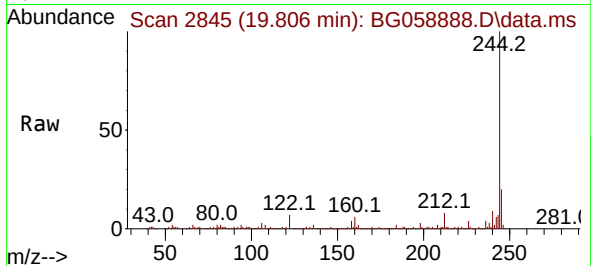




#79
 Terphenyl-d14
 Concen: 44.707 ng
 RT: 19.806 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

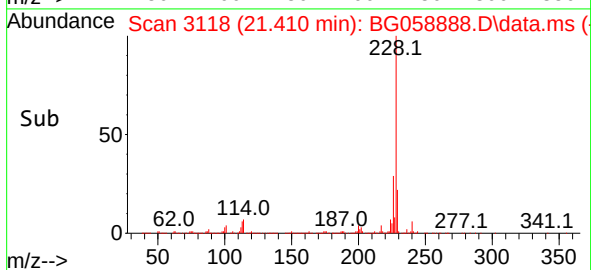
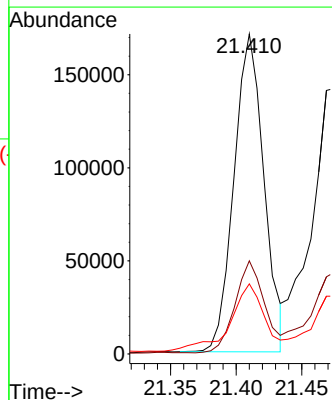
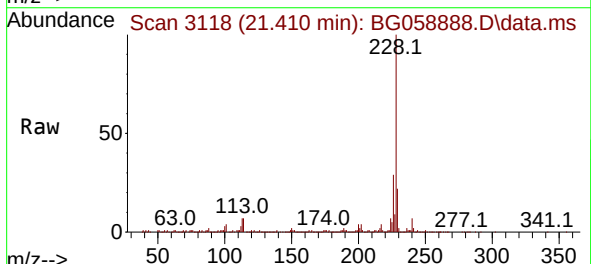
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423

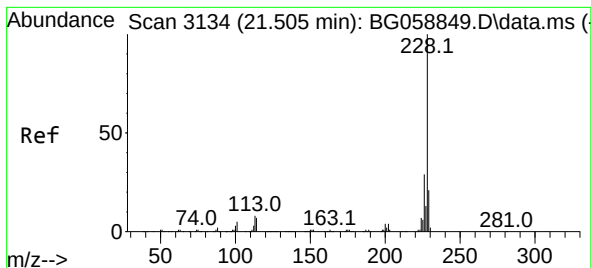
Tgt Ion:244 Resp: 271547
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 6.7 6.3 9.5



#81
 Benzo(a)anthracene
 Concen: 35.756 ng
 RT: 21.410 min Scan# 3118
 Delta R.T. 0.008 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

Tgt Ion:228 Resp: 271458
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 21.9 16.8 25.2





#83

Chrysene

Concen: 34.614 ng

RT: 21.475 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

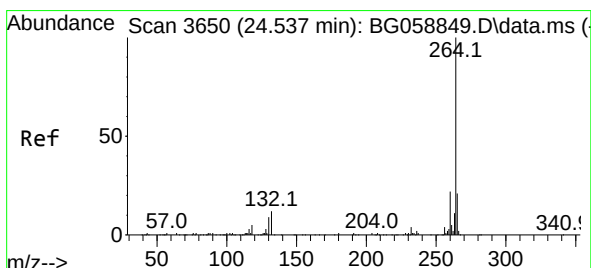
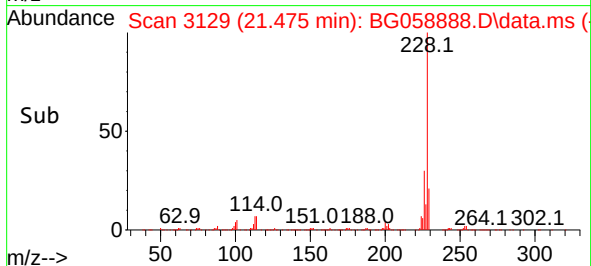
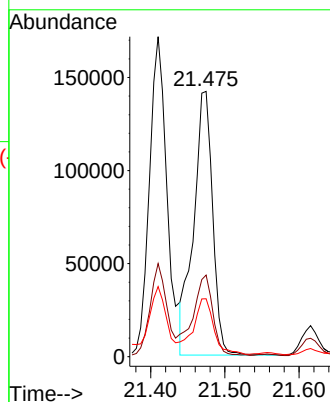
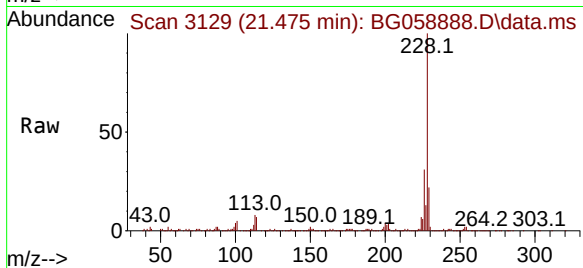
Tgt Ion:228 Resp: 253293

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 21.8 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.489 min Scan# 3642

Delta R.T. 0.019 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

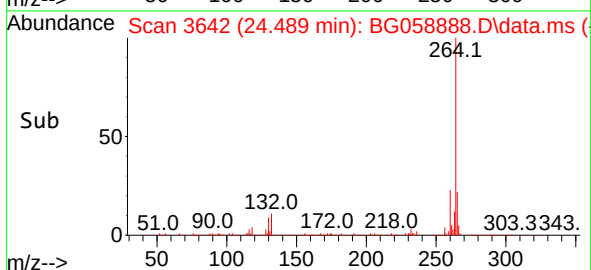
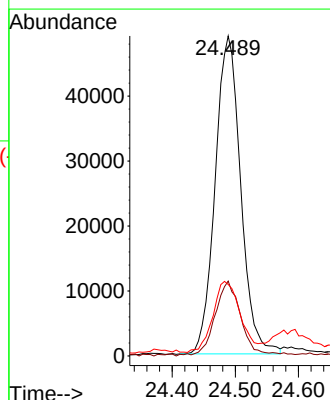
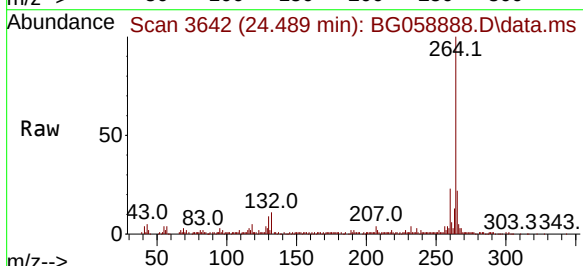
Tgt Ion:264 Resp: 137298

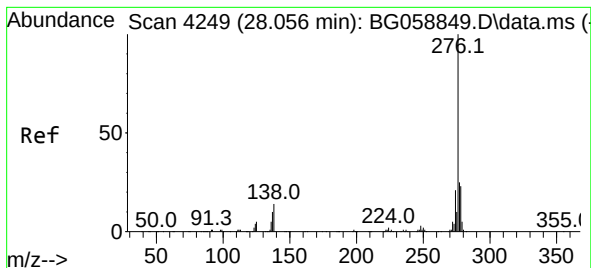
Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

265 22.4 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.447 ng

RT: 27.973 min Scan# 41

Delta R.T. 0.019 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

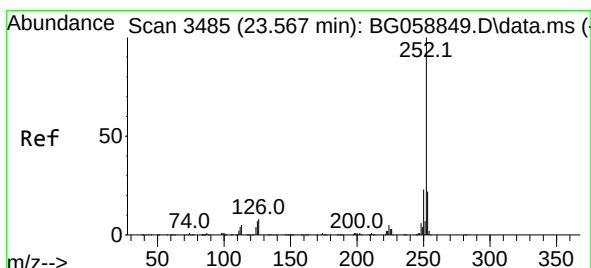
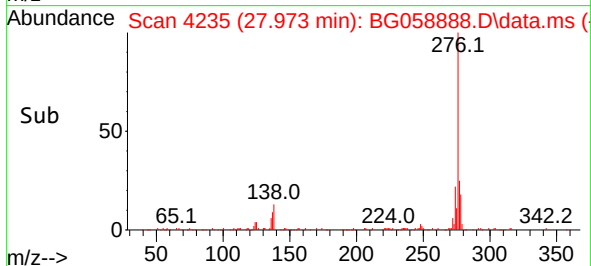
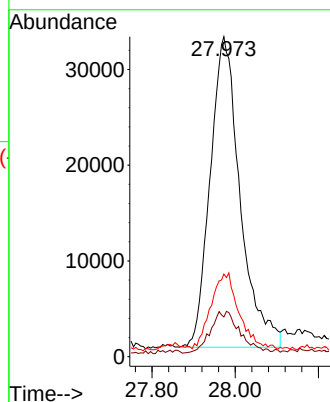
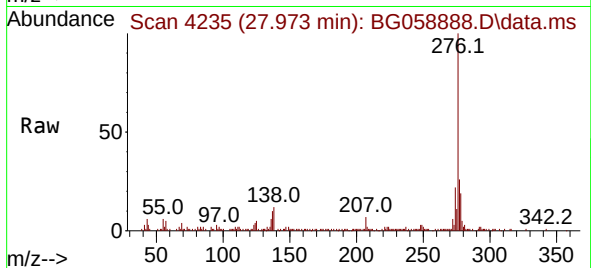
Tgt Ion:276 Resp: 162069

Ion Ratio Lower Upper

276 100

138 0.0 6.2 9.2#

277 23.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 45.765 ng

RT: 23.525 min Scan# 3478

Delta R.T. 0.019 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

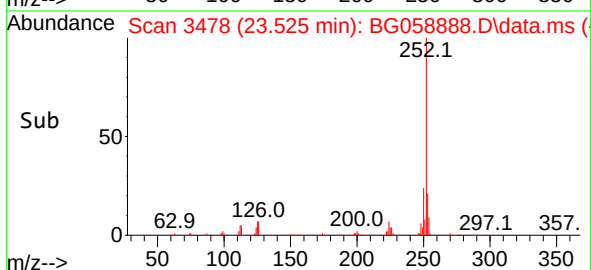
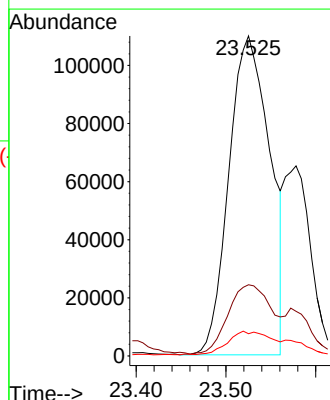
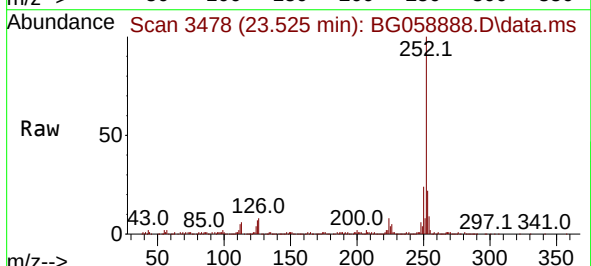
Tgt Ion:252 Resp: 348641

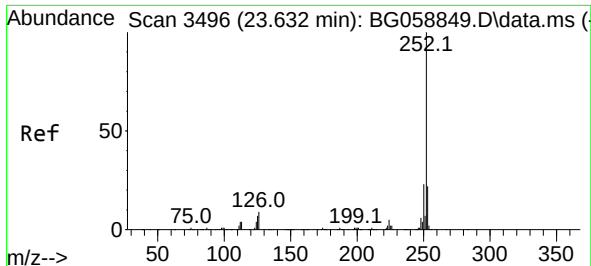
Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 44.376 ng

RT: 23.525 min Scan# 34

Delta R.T. -0.045 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

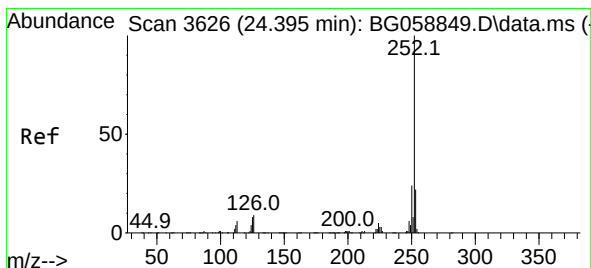
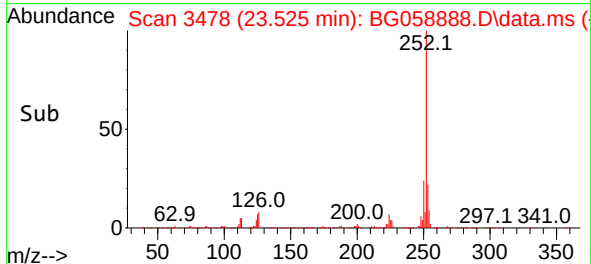
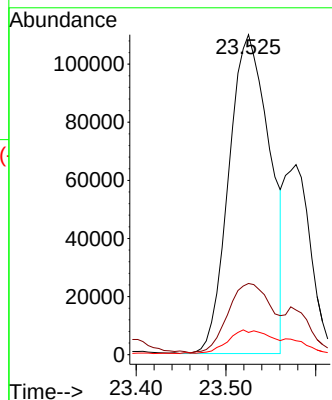
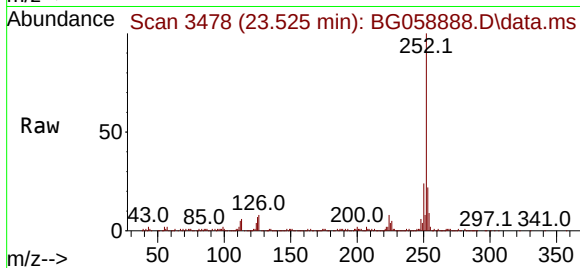
Tgt Ion:252 Resp: 348641

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 6.9 6.3 9.5



#90

Benzo(a)pyrene

Concen: 35.963 ng

RT: 24.342 min Scan# 3617

Delta R.T. 0.008 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

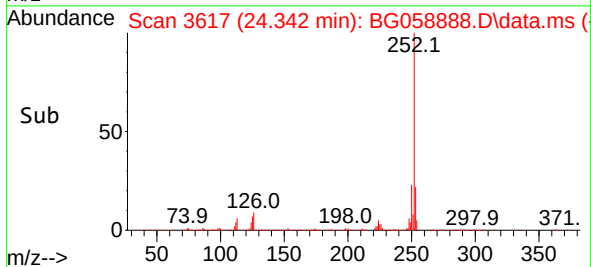
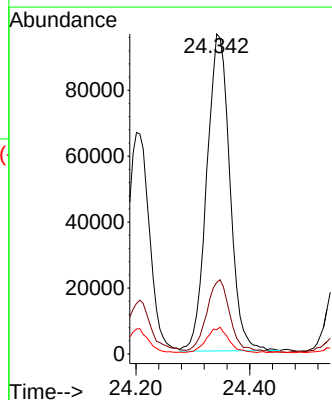
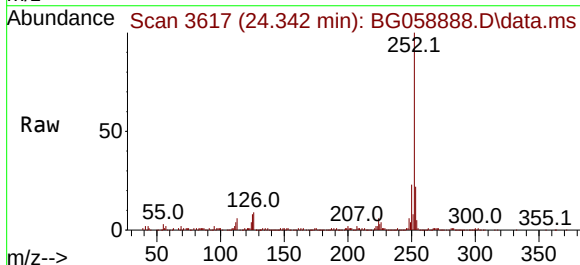
Tgt Ion:252 Resp: 269759

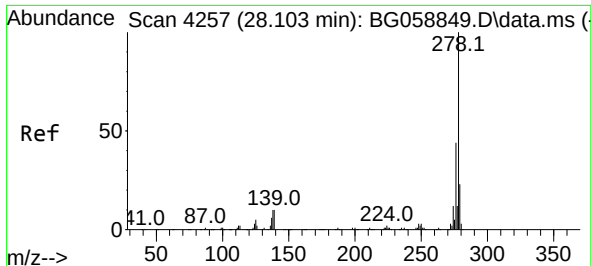
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 7.6 6.8 10.2

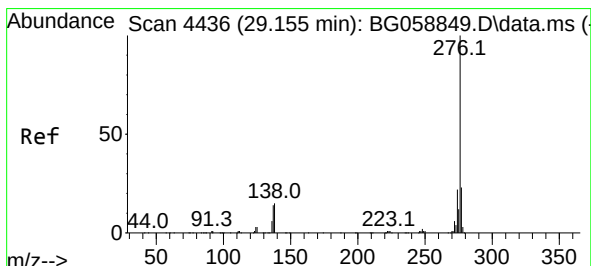
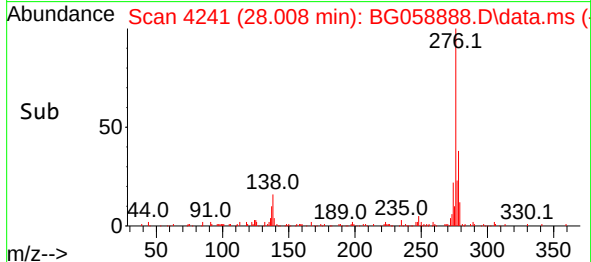
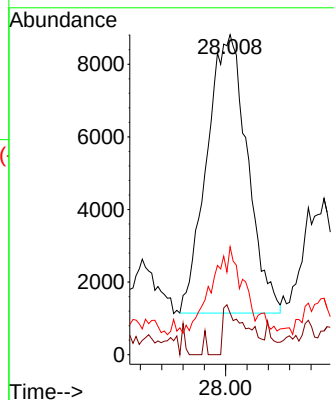
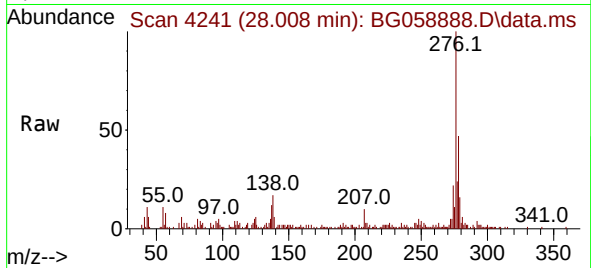




#91
 Dibenzo(a,h)anthracene
 Concen: 5.309 ng
 RT: 28.008 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423

Tgt Ion:278 Resp: 40523
 Ion Ratio Lower Upper
 278 100
 139 13.0 8.9 13.3
 279 33.7 19.0 28.6#



#92
 Benzo(g,h,i)perylene
 Concen: 19.584 ng
 RT: 29.066 min Scan# 4421
 Delta R.T. 0.019 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

Tgt Ion:276 Resp: 149459
 Ion Ratio Lower Upper
 276 100
 277 24.8 17.8 26.6
 138 14.0 11.1 16.7

