

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
 Data File : BG058830.D
 Acq On : 23 Aug 2023 20:23
 Operator : MA/JU
 Sample : 04110-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-26(1-2)

Quant Time: Aug 24 02:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

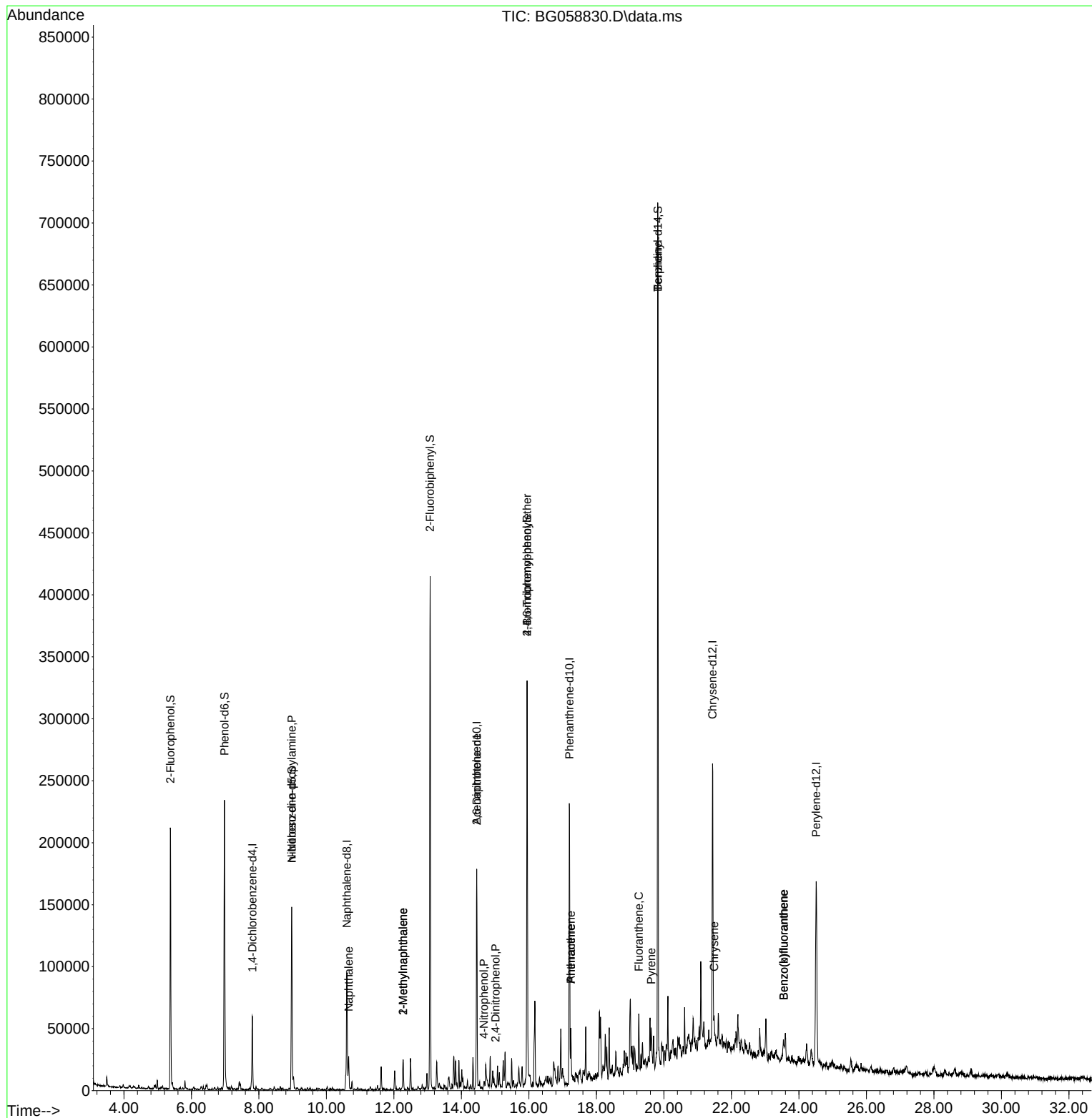
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	16681	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	78852	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	63684	20.000	ng	0.00
64) Phenanthrene-d10	17.197	188	145978	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	126243	20.000	ng	-0.01
86) Perylene-d12	24.512	264	154581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.376	112	86959	83.892	ng	0.00
7) Phenol-d6	6.980	99	132424	91.056	ng	0.00
23) Nitrobenzene-d5	8.972	82	90259	55.033	ng	0.00
42) 2,4,6-Tribromophenol	15.946	330	69793	69.894	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	226254	51.673	ng	0.00
79) Terphenyl-d14	19.818	244	360496	51.274	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.972	70	11666	12.410	ng	# 74
31) Naphthalene	10.658	128	21325	5.151	ng	98
37) 2-Methylnaphthalene	12.274	142	13225	4.447	ng	96
38) 1-Methylnaphthalene	12.274	142	13225	4.685	ng	95
51) 2,6-Dinitrotoluene	14.453	165	8729	8.426	ng	# 22
54) 2,4-Dinitrophenol	15.011	184	57	6.975	ng	# 16
56) 4-Nitrophenol	14.665	139	122	4.617	ng	# 1
67) 4-Bromophenyl-phenylether	15.946	248	4363	2.724	ng	# 1
71) Phenanthrene	17.244	178	29030	4.142	ng	98
72) Anthracene	17.244	178	29030	4.130	ng	98
75) Fluoranthene	19.259	202	19844	2.283	ng	96
77) Benzidine	19.818	184	5464	2.415	ng	# 91
78) Pyrene	19.624	202	19837	2.255	ng	96
83) Chrysene	21.486	228	20658	2.439	ng	# 89
88) Benzo(b)fluoranthene	23.549	252	25614	2.986	ng	98
89) Benzo(k)fluoranthene	23.549	252	25614	2.896	ng	97

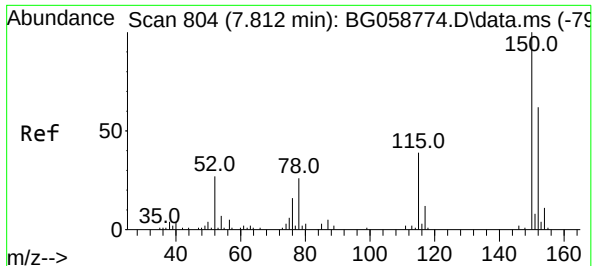
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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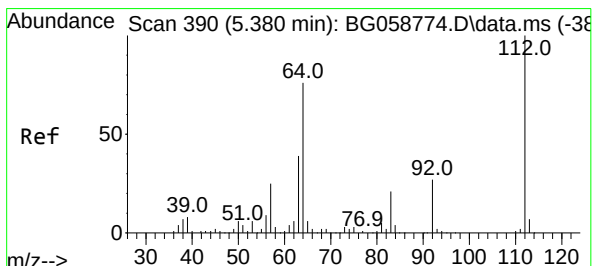
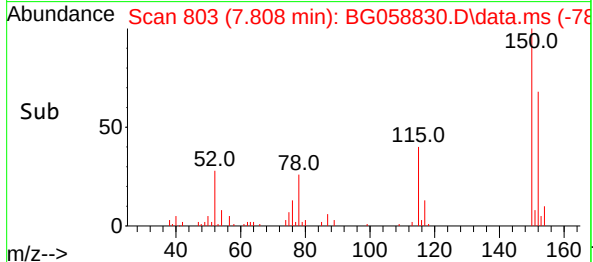
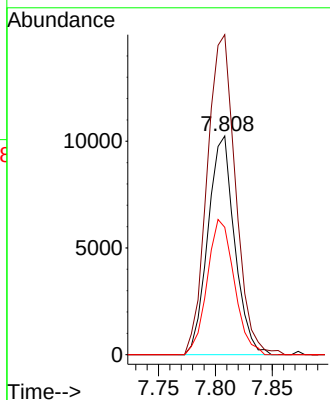
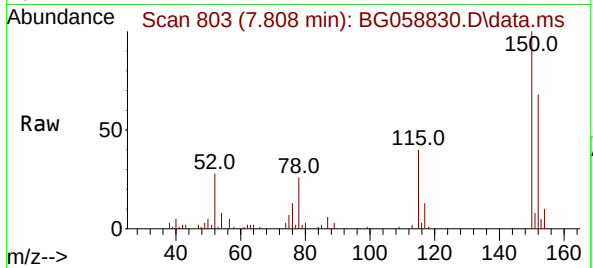




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

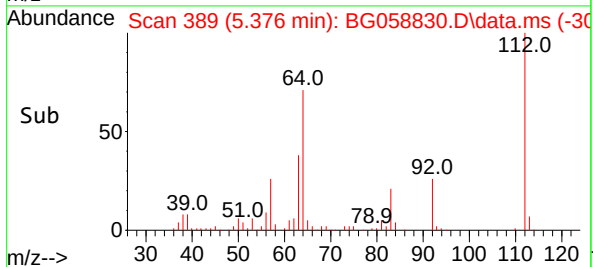
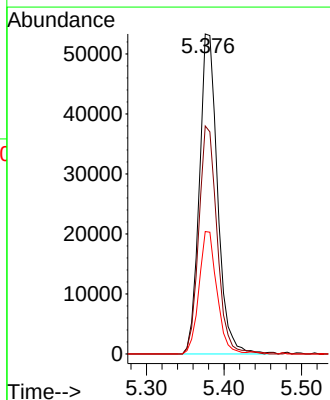
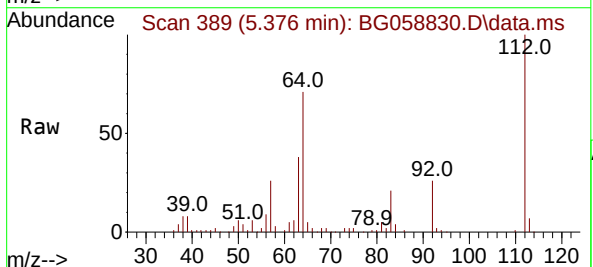
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

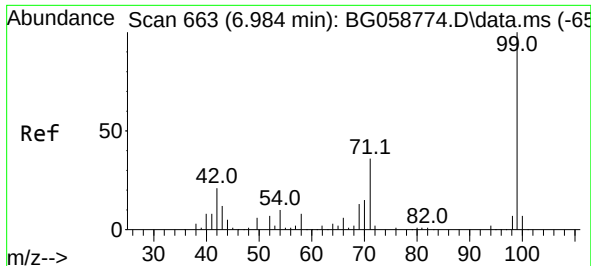
Tgt Ion:152 Resp: 16681
Ion Ratio Lower Upper
152 100
150 146.3 128.6 192.8
115 58.2 50.4 75.6



#5
2-Fluorophenol
Concen: 83.892 ng
RT: 5.376 min Scan# 389
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:112 Resp: 86959
Ion Ratio Lower Upper
112 100
64 71.3 60.6 90.8
63 38.2 31.0 46.4

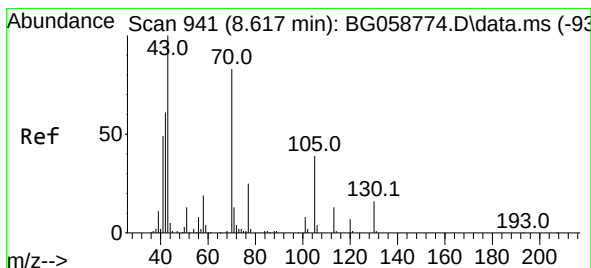
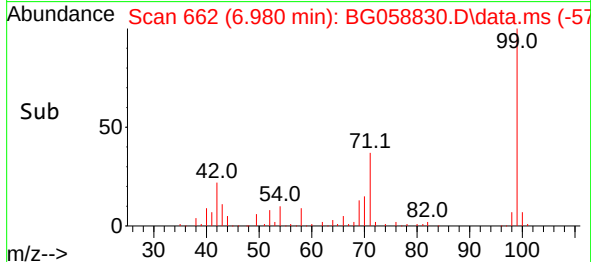
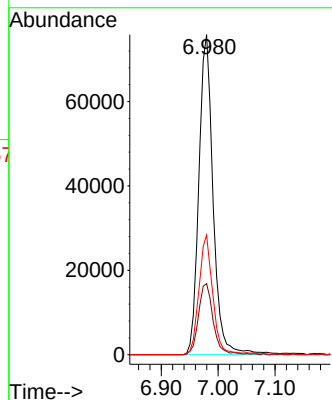
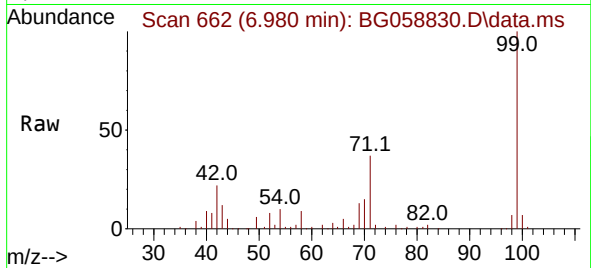




#7
Phenol-d6
Concen: 91.056 ng
RT: 6.980 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

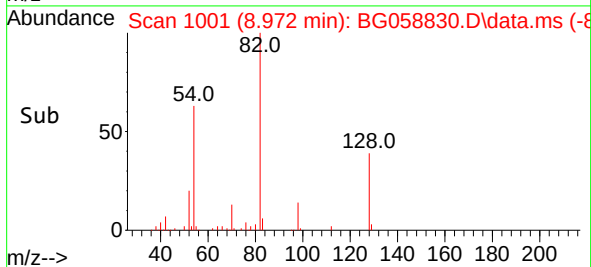
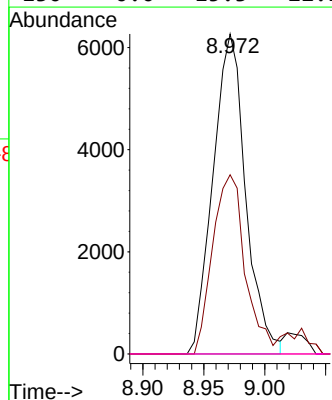
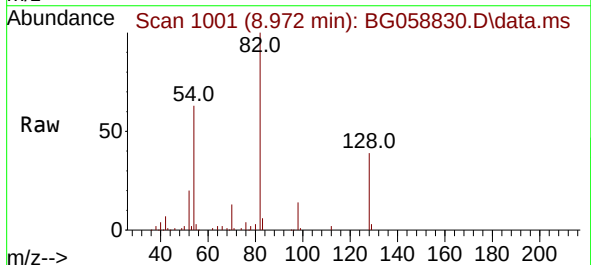
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

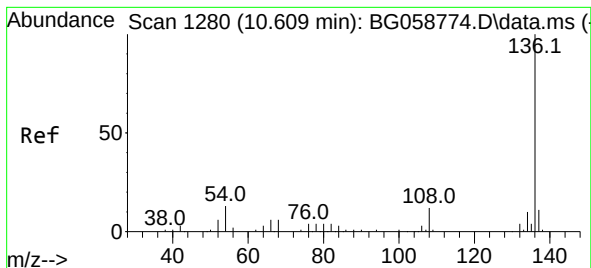
Tgt Ion: 99 Resp: 132424
Ion Ratio Lower Upper
99 100
42 22.2 16.5 24.7
71 37.4 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.410 ng
RT: 8.972 min Scan# 1001
Delta R.T. 0.354 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion: 70 Resp: 11666
Ion Ratio Lower Upper
70 100
42 56.0 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: 10.605 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

Tgt Ion:136 Resp: 78852

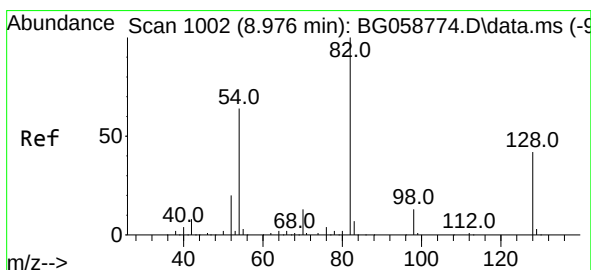
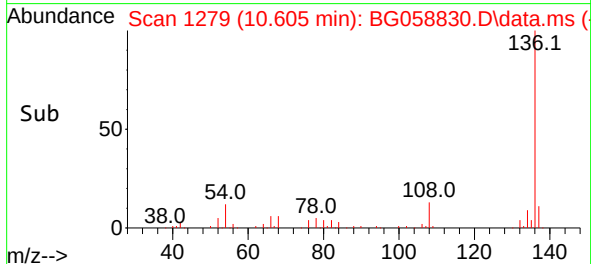
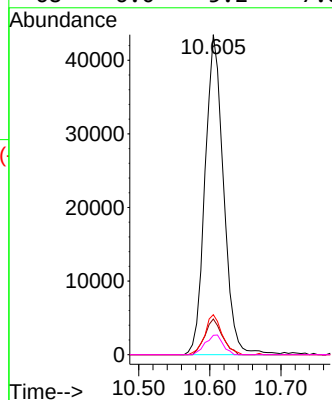
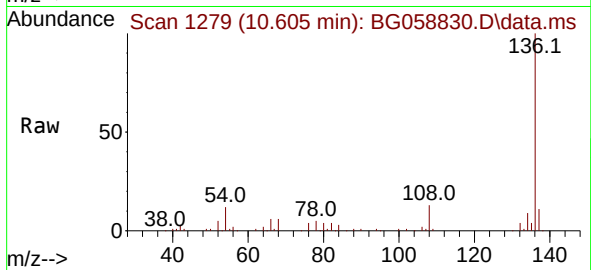
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.5 10.1 15.1

68 6.0 5.2 7.8



#23

Nitrobenzene-d5

Concen: 55.033 ng

RT: 8.972 min Scan# 1001

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

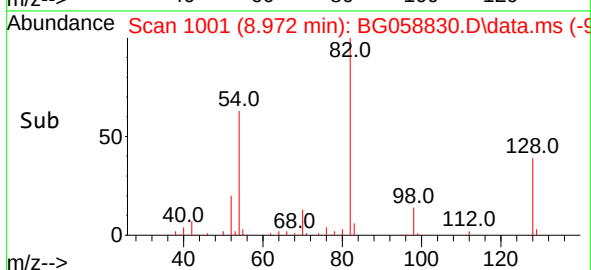
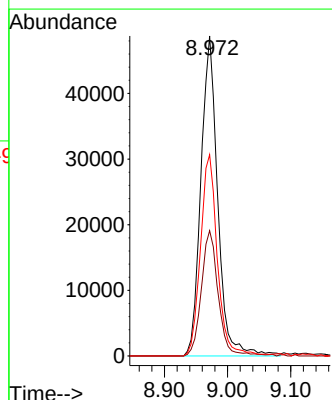
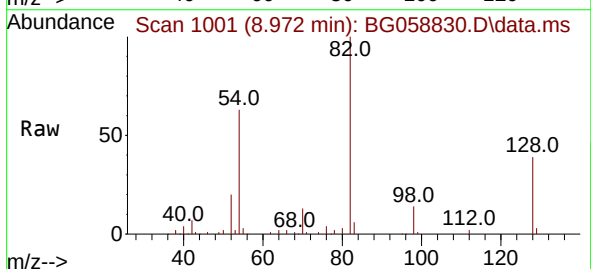
Tgt Ion: 82 Resp: 90259

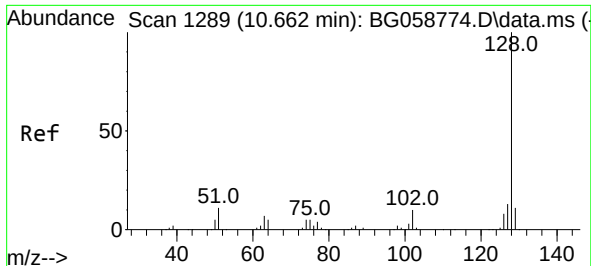
Ion Ratio Lower Upper

82 100

128 39.1 33.2 49.8

54 62.9 51.2 76.8

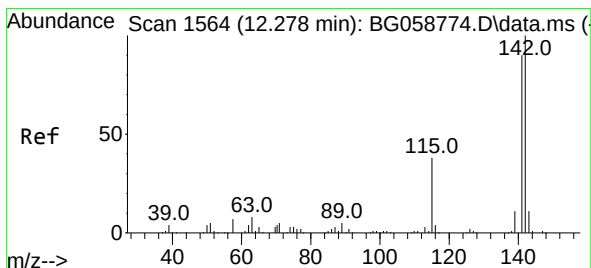
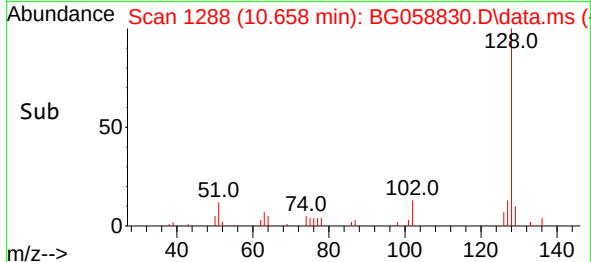
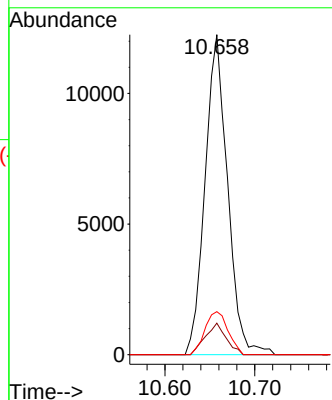
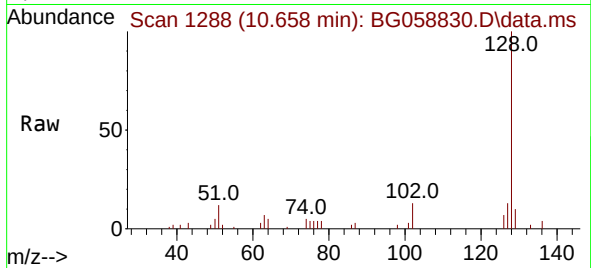




#31
Naphthalene
Concen: 5.151 ng
RT: 10.658 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

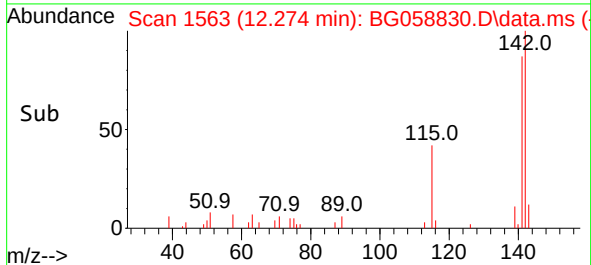
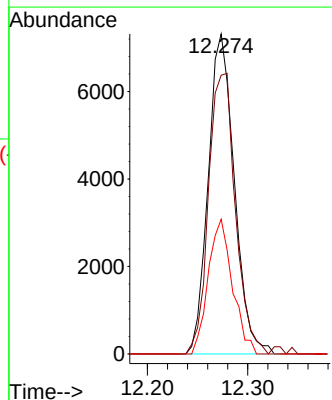
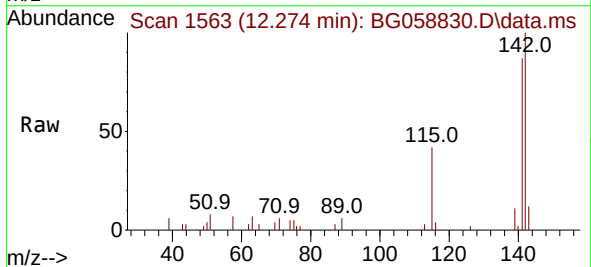
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

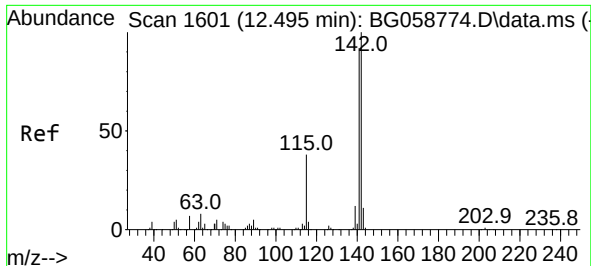
Tgt Ion:128 Resp: 21325
Ion Ratio Lower Upper
128 100
129 9.8 8.9 13.3
127 13.5 10.6 15.8



#37
2-Methylnaphthalene
Concen: 4.447 ng
RT: 12.274 min Scan# 1563
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:142 Resp: 13225
Ion Ratio Lower Upper
142 100
141 87.1 71.8 107.8
115 42.1 30.6 45.8

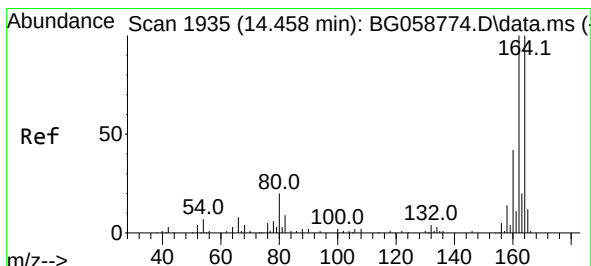
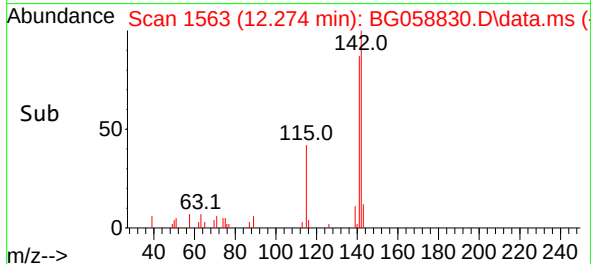
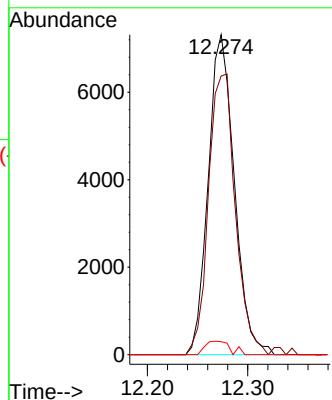
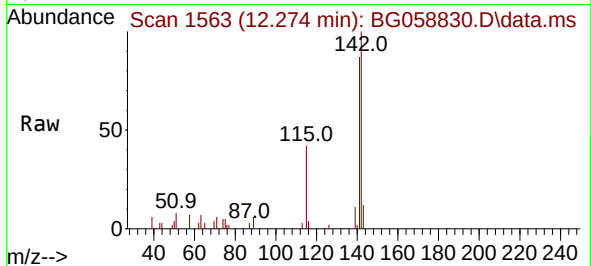




#38
1-Methylnaphthalene
Concen: 4.685 ng
RT: 12.274 min Scan# 1
Delta R.T. -0.222 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

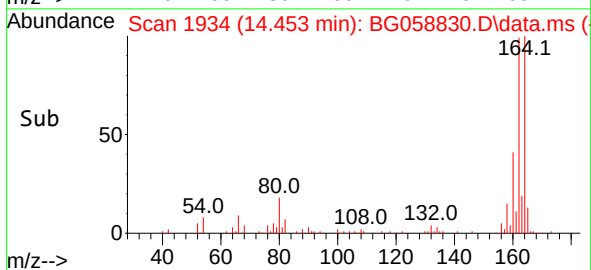
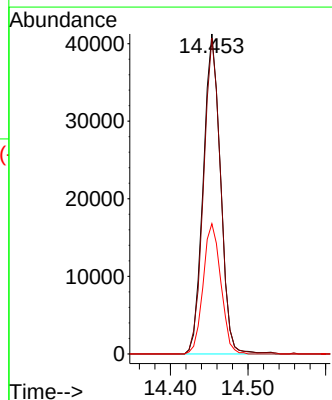
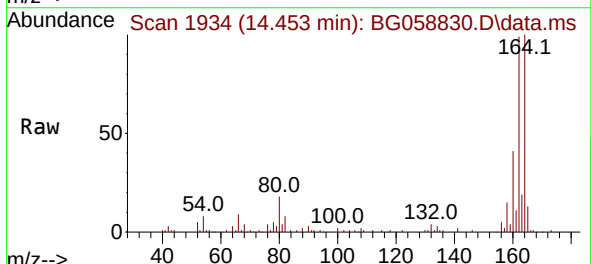
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

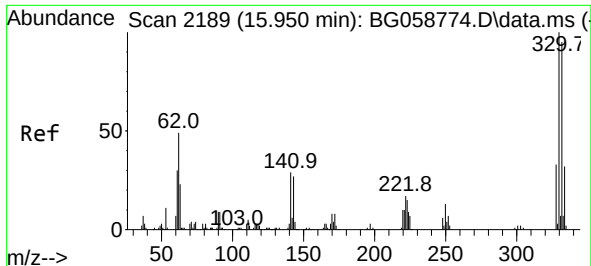
Tgt Ion:142 Resp: 13225
Ion Ratio Lower Upper
142 100
141 87.1 73.9 110.9
116 4.0 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:164 Resp: 63684
Ion Ratio Lower Upper
164 100
162 98.7 79.6 119.4
160 40.7 34.0 51.0





#42

2,4,6-Tribromophenol

Concen: 69.894 ng

RT: 15.946 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

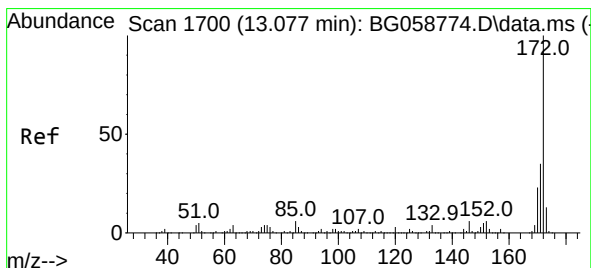
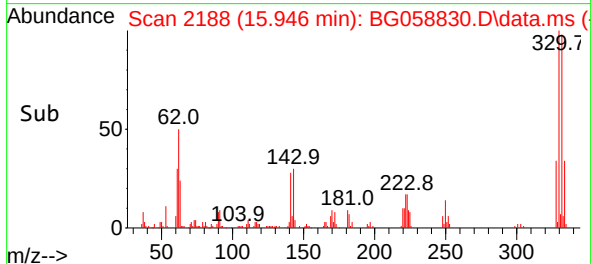
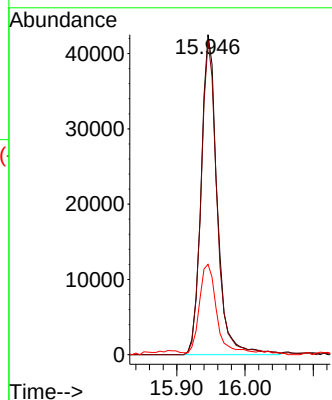
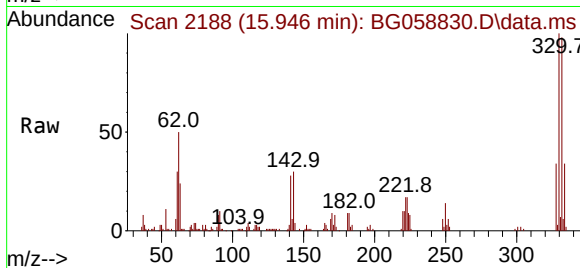
Tgt Ion:330 Resp: 69793

Ion Ratio Lower Upper

330 100

332 97.6 78.5 117.7

141 28.8 23.0 34.6



#45

2-Fluorobiphenyl

Concen: 51.673 ng

RT: 13.073 min Scan# 1699

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

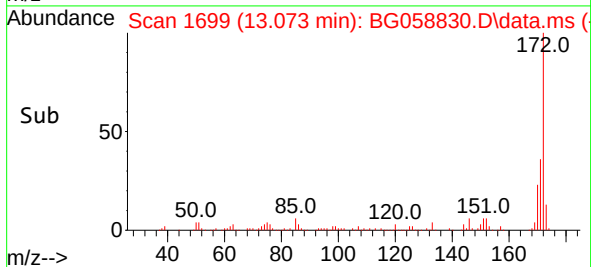
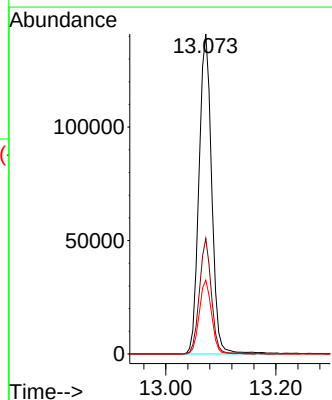
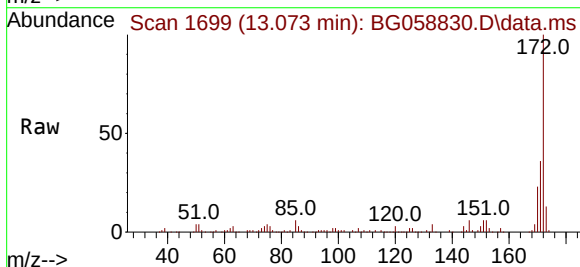
Tgt Ion:172 Resp: 226254

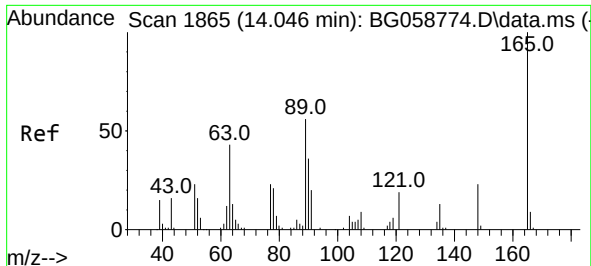
Ion Ratio Lower Upper

172 100

171 36.1 28.1 42.1

170 23.1 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.426 ng

RT: 14.453 min Scan# 1934

Delta R.T. 0.407 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

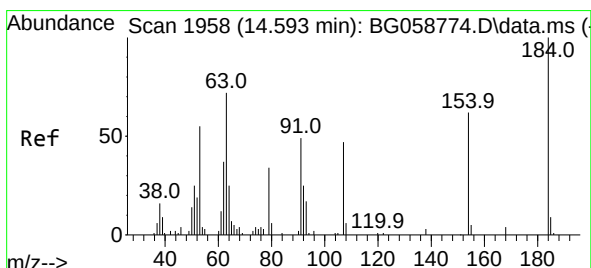
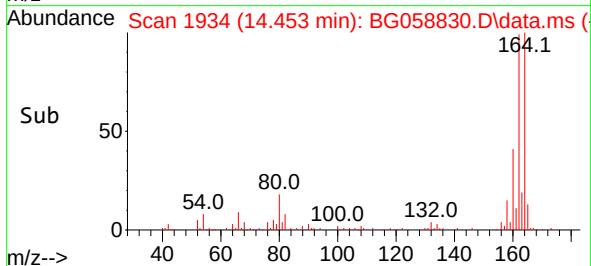
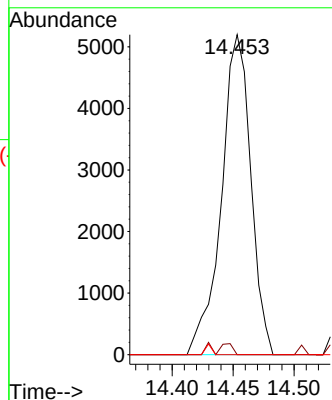
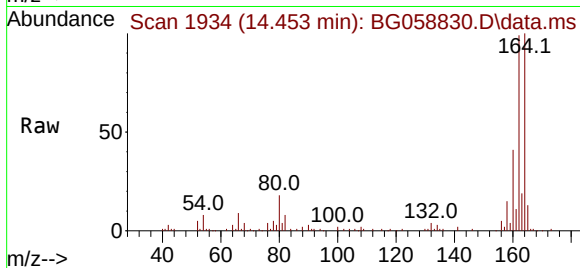
Tgt Ion:165 Resp: 8729

Ion Ratio Lower Upper

165 100

63 0.0 47.2 70.8#

89 0.0 45.0 67.4#



#54

2,4-Dinitrophenol

Concen: 6.975 ng

RT: 15.011 min Scan# 2029

Delta R.T. 0.418 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

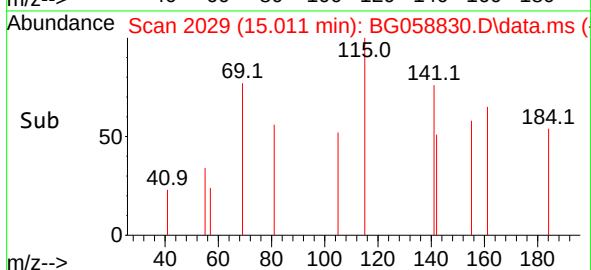
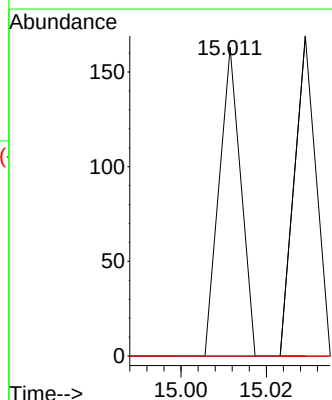
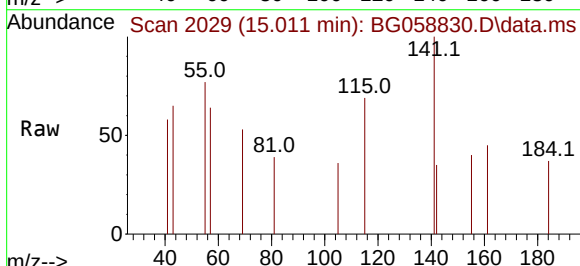
Tgt Ion:184 Resp: 57

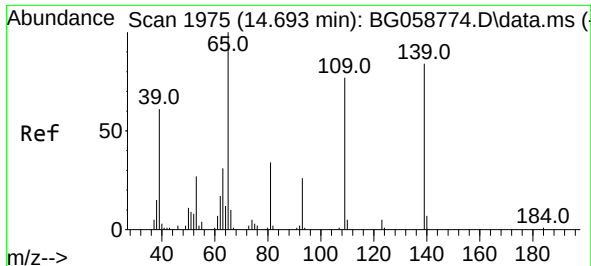
Ion Ratio Lower Upper

184 100

63 0.0 57.7 86.5#

154 0.0 51.8 77.6#

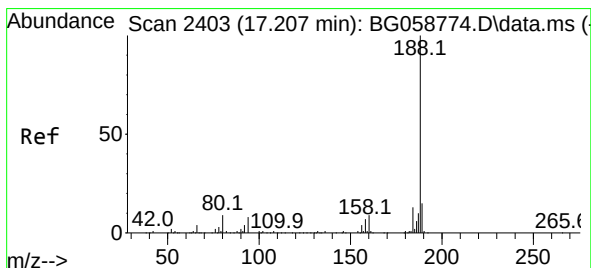
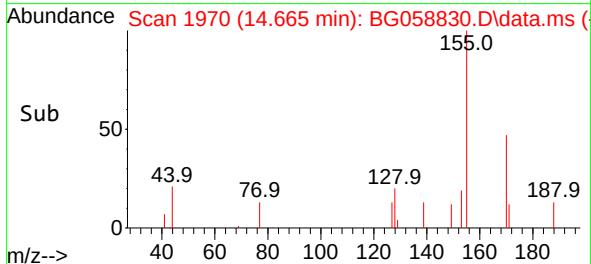
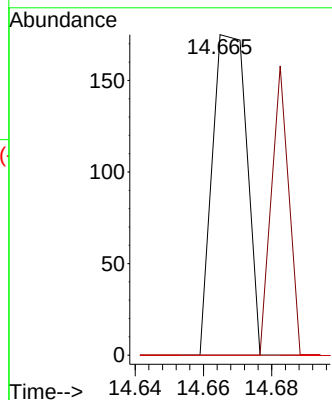
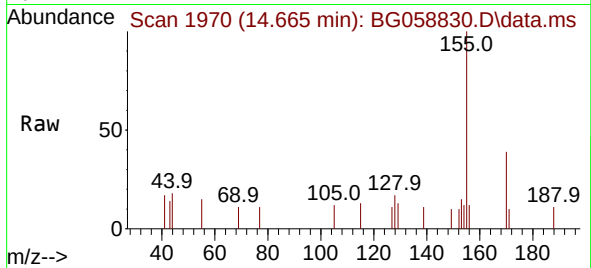




#56
4-Nitrophenol
Concen: 4.617 ng
RT: 14.665 min Scan# 1975
Delta R.T. -0.028 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

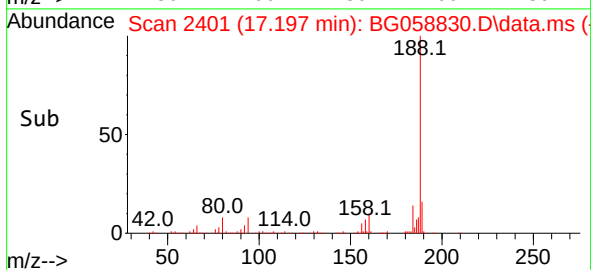
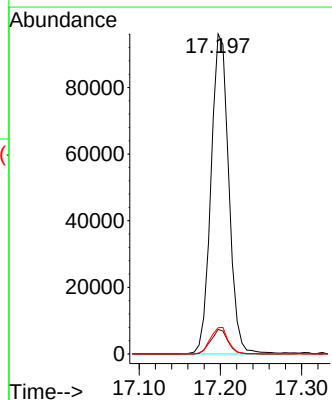
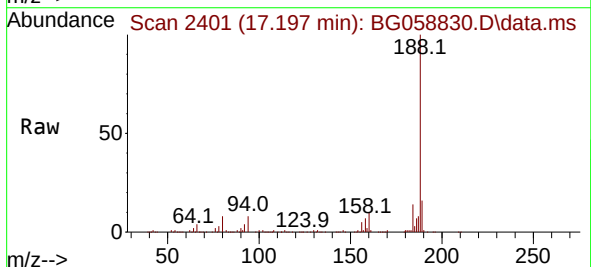
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

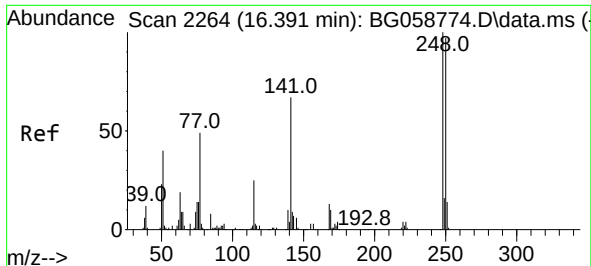
Tgt Ion:139 Resp: 122
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.197 min Scan# 2401
Delta R.T. -0.010 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:188 Resp: 145978
Ion Ratio Lower Upper
188 100
94 7.6 6.1 9.1
80 8.2 6.9 10.3

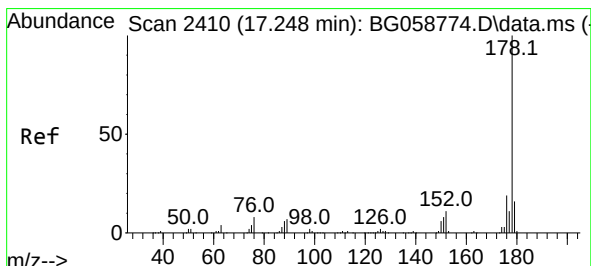
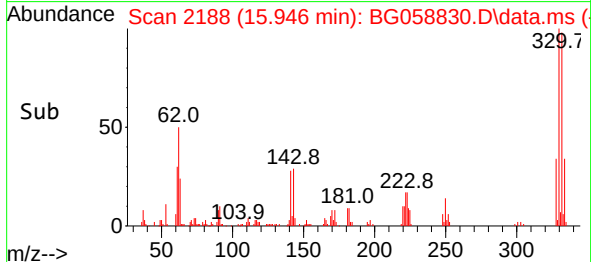
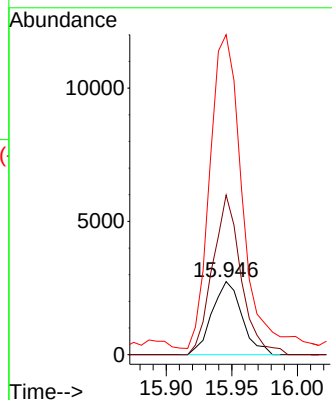
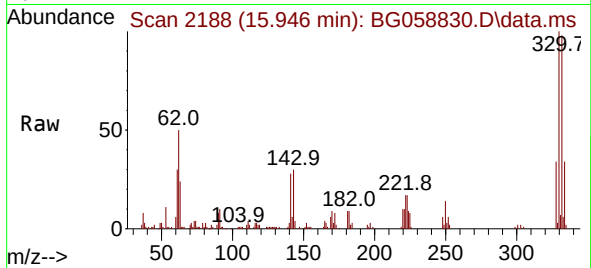




#67
4-Bromophenyl-phenylether
Concen: 2.724 ng
RT: 15.946 min Scan# 2188
Delta R.T. -0.445 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

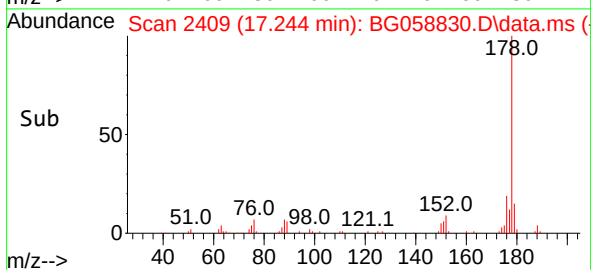
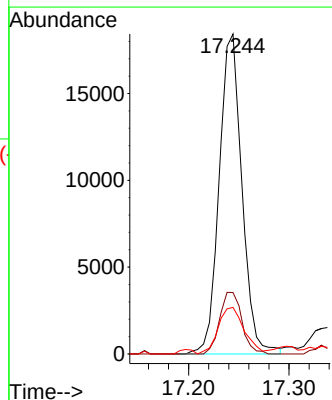
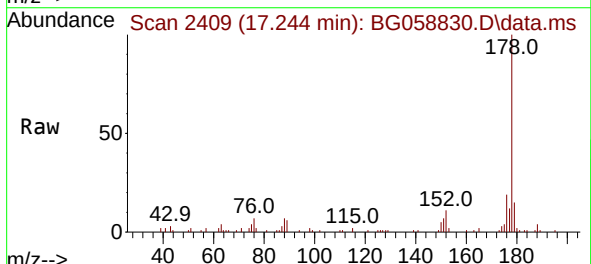
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

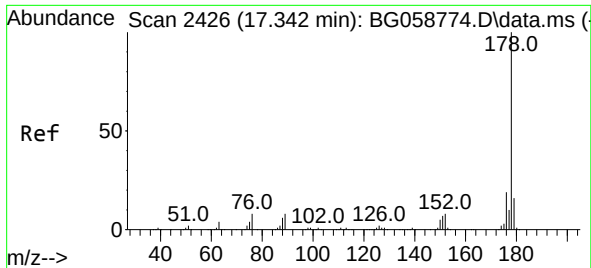
Tgt Ion:248 Resp: 4363
Ion Ratio Lower Upper
248 100
250 218.6 77.7 116.5#
141 437.9 53.6 80.4#



#71
Phenanthrene
Concen: 4.142 ng
RT: 17.244 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:178 Resp: 29030
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.5 13.0 19.4

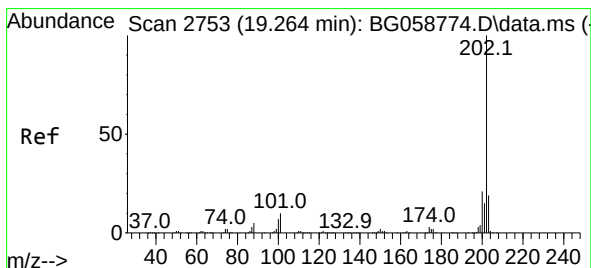
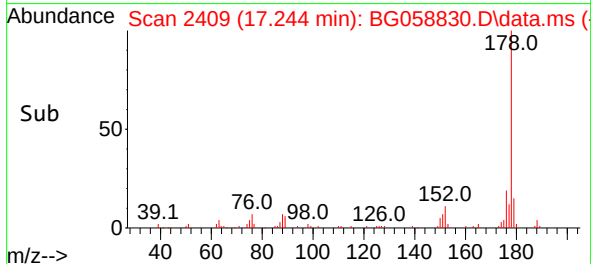
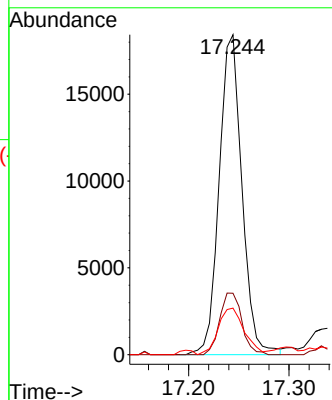
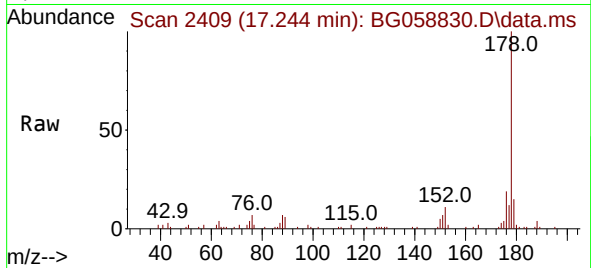




#72
 Anthracene
 Concen: 4.130 ng
 RT: 17.244 min Scan# 2426
 Delta R.T. -0.098 min
 Lab File: BG058830.D
 Acq: 23 Aug 2023 20:23

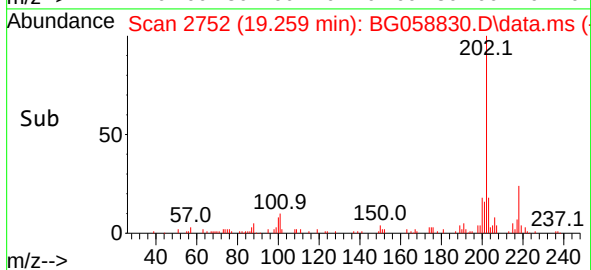
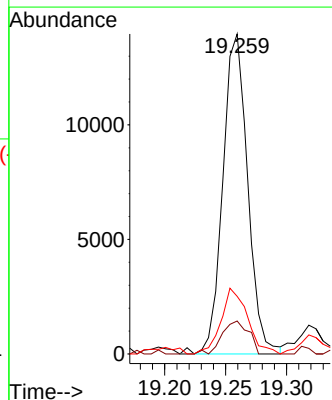
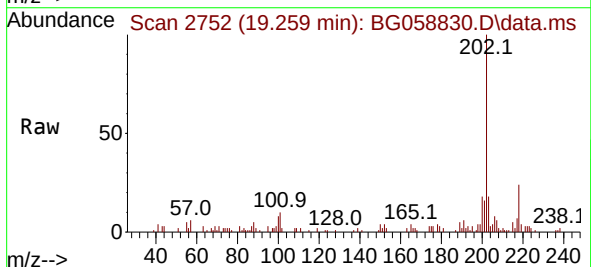
Instrument :
 BNA_G
 ClientSampleId :
 TP-26(1-2)

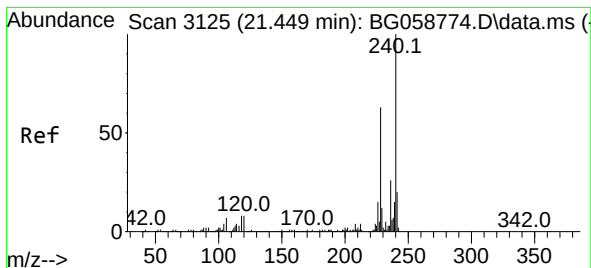
Tgt Ion:178 Resp: 29030
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 14.5 12.9 19.3



#75
 Fluoranthene
 Concen: 2.283 ng
 RT: 19.259 min Scan# 2752
 Delta R.T. -0.005 min
 Lab File: BG058830.D
 Acq: 23 Aug 2023 20:23

Tgt Ion:202 Resp: 19844
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 29.7
 203 18.0 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

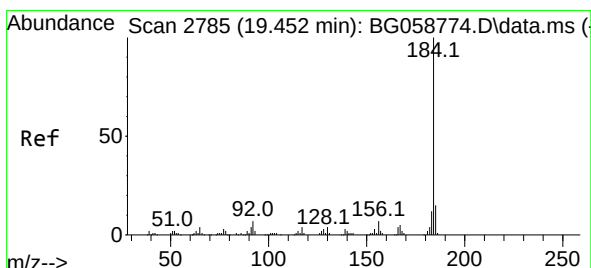
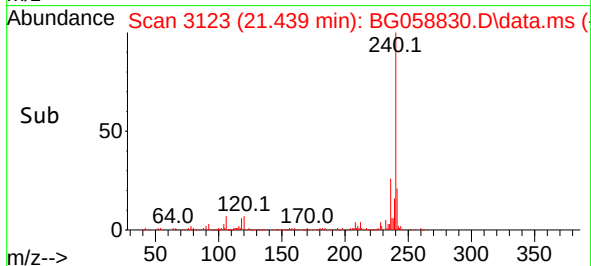
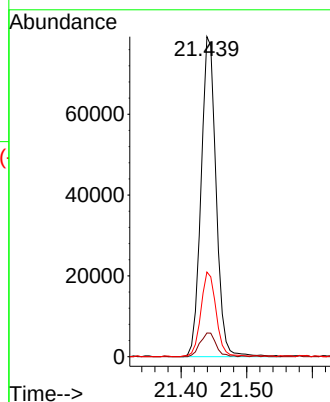
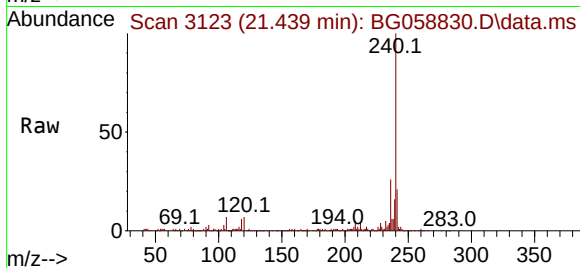
Tgt Ion:240 Resp: 126243

Ion Ratio Lower Upper

240 100

120 7.4 6.2 9.2

236 26.4 20.5 30.7



#77

Benzidine

Concen: 2.415 ng

RT: 19.818 min Scan# 2847

Delta R.T. 0.366 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

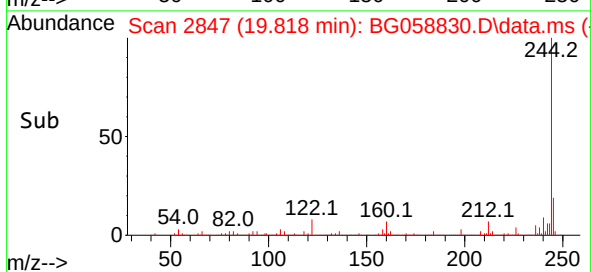
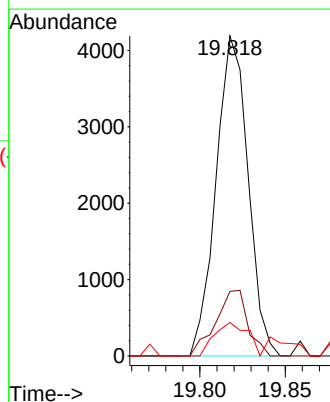
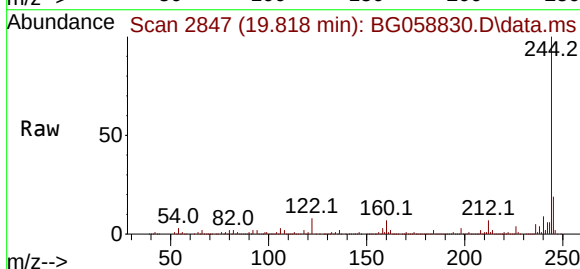
Tgt Ion:184 Resp: 5464

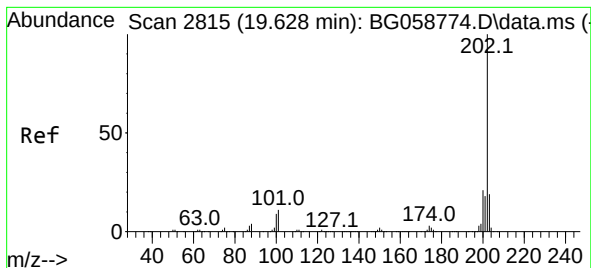
Ion Ratio Lower Upper

184 100

185 20.2 11.9 17.9#

183 10.5 10.0 15.0





#78

Pyrene

Concen: 2.255 ng

RT: 19.624 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

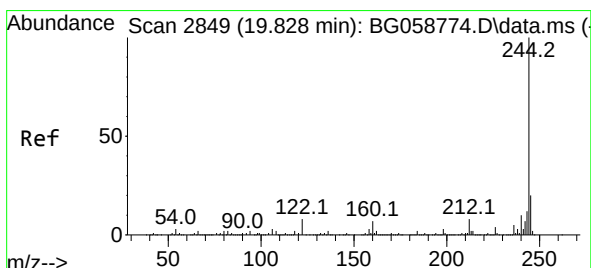
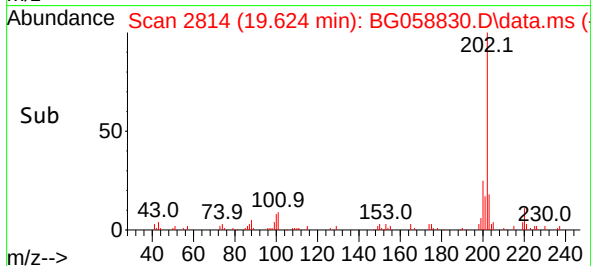
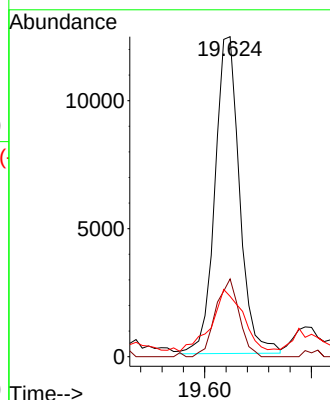
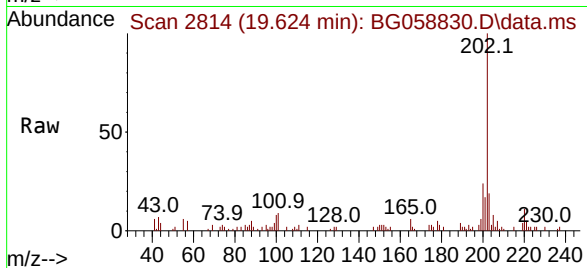
Tgt Ion:202 Resp: 19837

Ion Ratio Lower Upper

202 100

200 24.3 16.7 25.1

203 18.8 15.3 22.9



#79

Terphenyl-d14

Concen: 51.274 ng

RT: 19.818 min Scan# 2847

Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

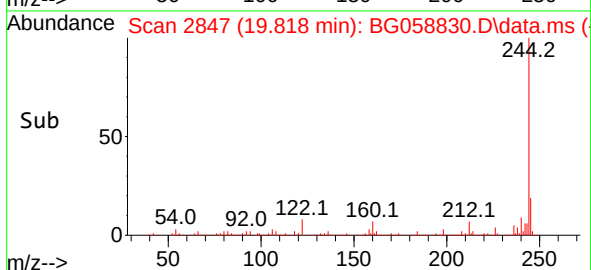
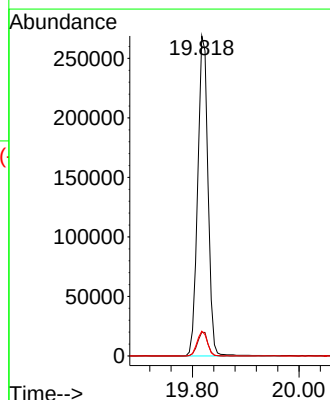
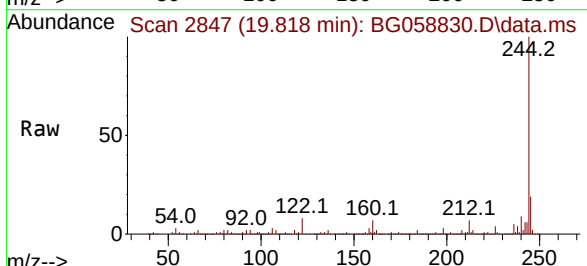
Tgt Ion:244 Resp: 360496

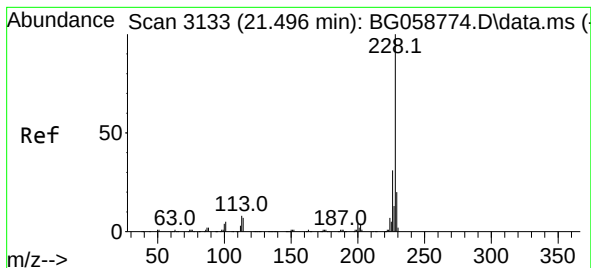
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

122 7.8 6.3 9.5





#83

Chrysene

Concen: 2.439 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

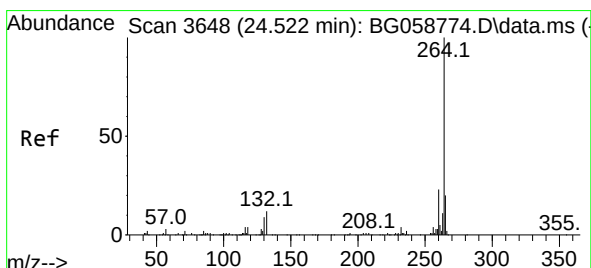
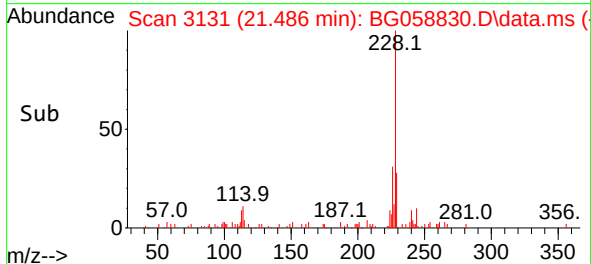
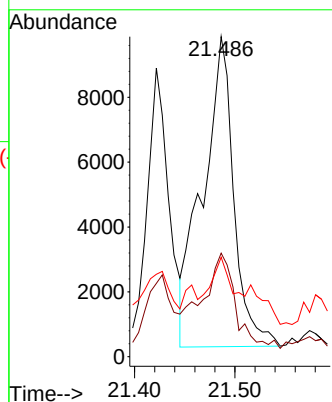
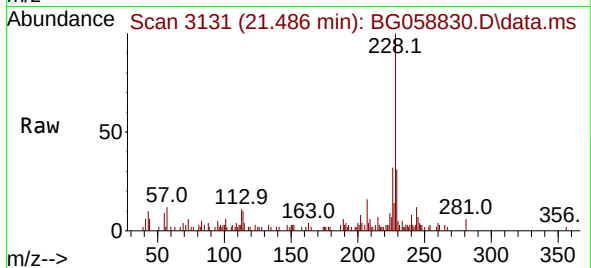
Tgt Ion:228 Resp: 20658

Ion Ratio Lower Upper

228 100

226 32.4 24.4 36.6

229 31.1 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.512 min Scan# 3646

Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

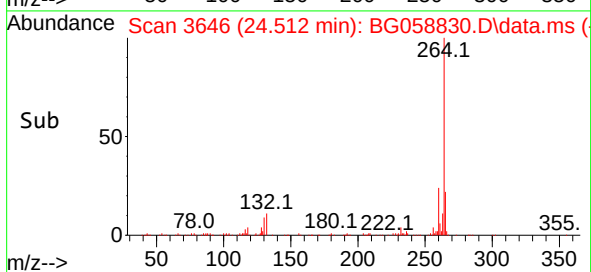
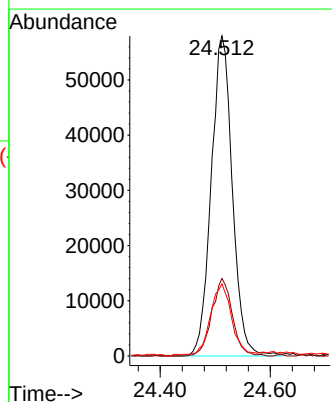
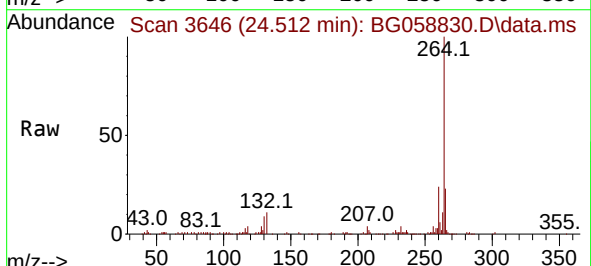
Tgt Ion:264 Resp: 154581

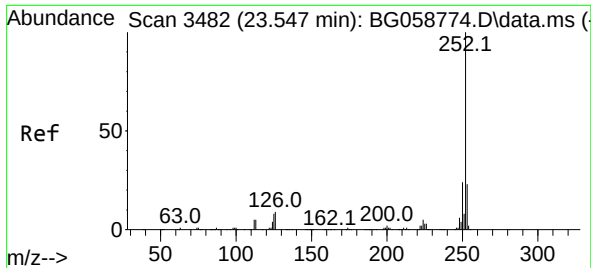
Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 22.6 16.4 24.6

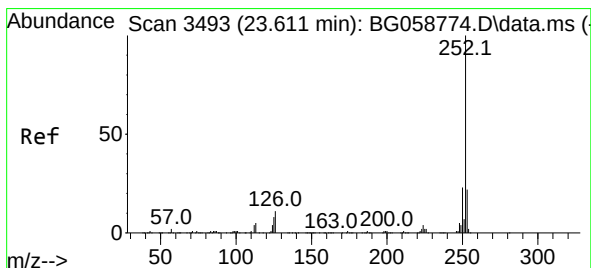
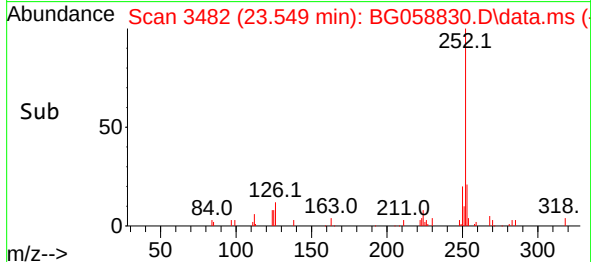
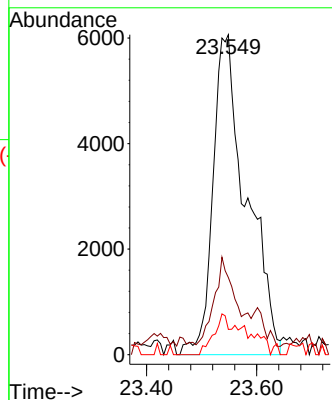
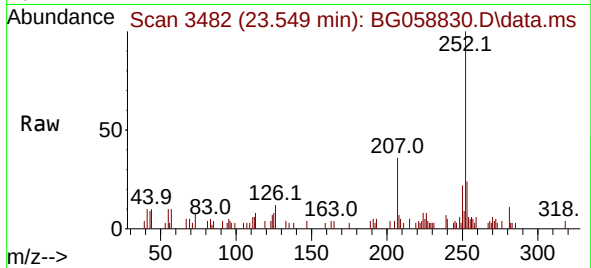




#88
Benzo(b)fluoranthene
Concen: 2.986 ng
RT: 23.549 min Scan# 3482
Delta R.T. 0.002 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

Tgt Ion:252 Resp: 25614
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 7.9 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 2.896 ng
RT: 23.549 min Scan# 3482
Delta R.T. -0.063 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:252 Resp: 25614
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 7.9 6.3 9.5

