

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060865.D
 Acq On : 11 Apr 2024 18:56
 Operator : MA/JU
 Sample : P2070-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Apr 12 01:37:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

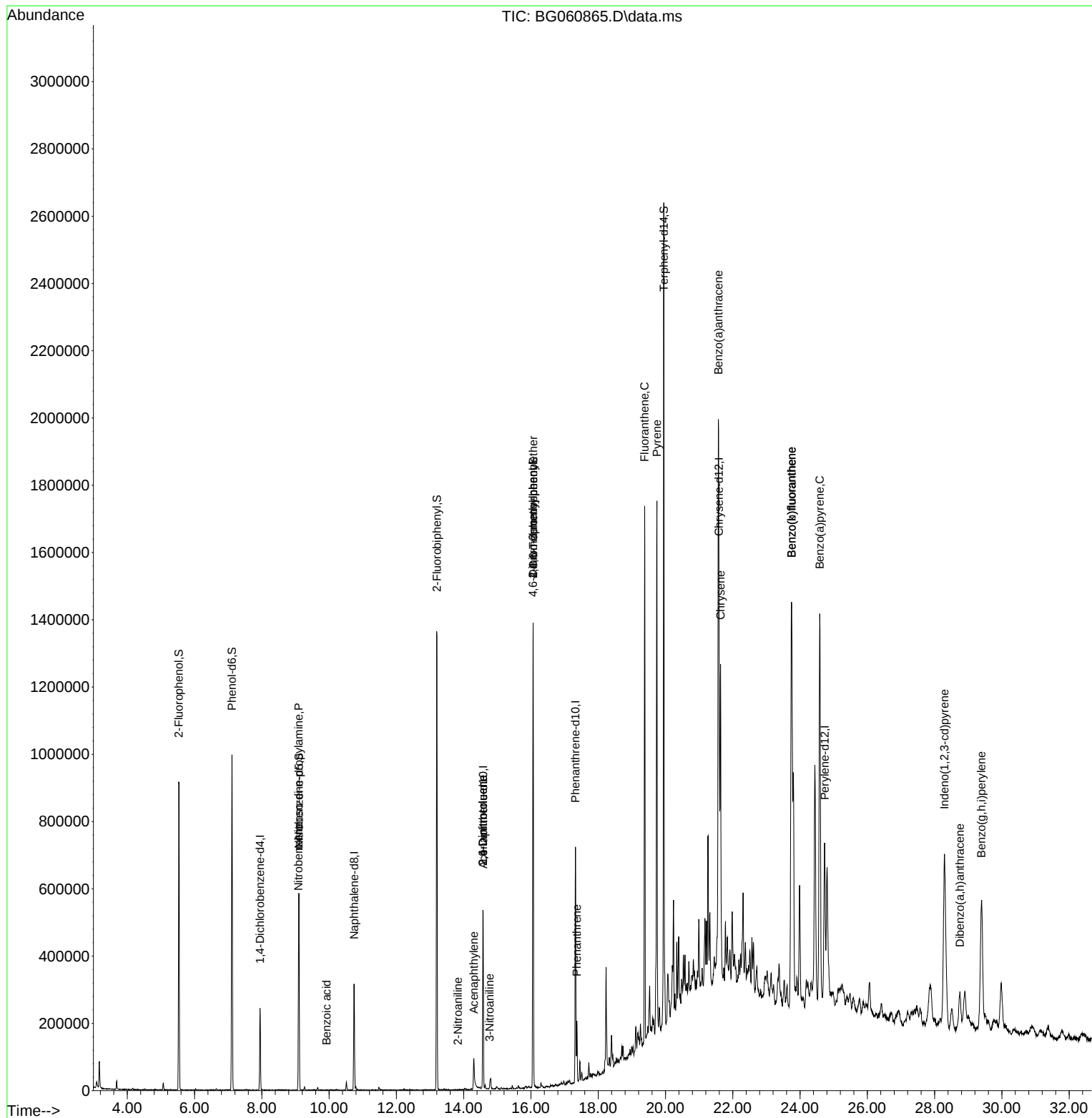
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	63656	20.000	ng	-0.01
21) Naphthalene-d8	10.743	136	249671	20.000	ng	-0.01
39) Acenaphthene-d10	14.580	164	195893	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	450115	20.000	ng	-0.02
76) Chrysene-d12	21.589	240	395866	20.000	ng	-0.02
86) Perylene-d12	24.733	264	482864	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	356862	93.391	ng	0.00
7) Phenol-d6	7.112	99	491673	86.684	ng	0.00
23) Nitrobenzene-d5	9.104	82	324268	74.111	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	280143	125.980	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	719267	53.887	ng	-0.02
79) Terphenyl-d14	19.950	244	1225988	54.533	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	43803	10.127	ng	# 73
24) Nitrobenzene	9.092	77	1274	3.019	ng	# 42
32) Benzoic acid	9.926	122	143	6.882	ng	# 1
48) 2-Nitroaniline	13.828	65	59	2.809	ng	# 11
49) Acenaphthylene	14.304	152	114034	6.456	ng	99
51) 2,6-Dinitrotoluene	14.574	165	25968	12.179	ng	# 20
53) 3-Nitroaniline	14.768	138	68	2.872	ng	# 1
57) 2,4-Dinitrotoluene	14.574	165	25968	10.242	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.060	198	931	7.462	ng	# 1
67) 4-Bromophenyl-phenylether	16.066	248	18918	4.141	ng	# 1
71) Phenanthrene	17.365	178	111593	4.767	ng	98
75) Fluoranthene	19.380	202	1013187	35.668	ng	98
78) Pyrene	19.744	202	1037782	37.484	ng	100
81) Benzo(a)anthracene	21.572	228	907662	32.528	ng	93
83) Chrysene	21.636	228	712892	26.506	ng	98
87) Indeno(1,2,3-cd)pyrene	28.293	276	950805	27.962	ng	98
88) Benzo(b)fluoranthene	23.745	252	1529101	55.122	ng	99
89) Benzo(k)fluoranthene	23.745	252	1529101	53.854	ng	98
90) Benzo(a)pyrene	24.586	252	1242213	46.079	ng	96
91) Dibenzo(a,h)anthracene	28.751	278	173672	6.059	ng	96
92) Benzo(g,h,i)perylene	29.392	276	834760	29.937	ng	96

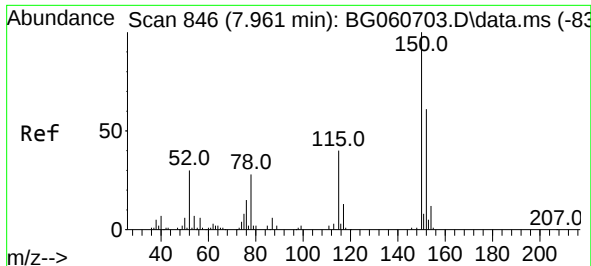
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
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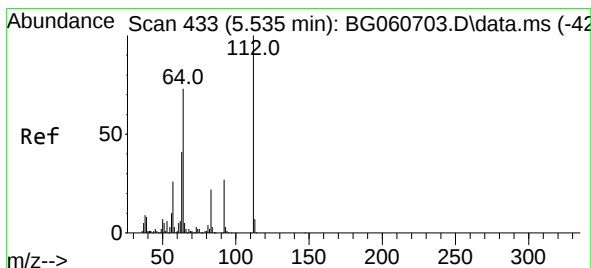
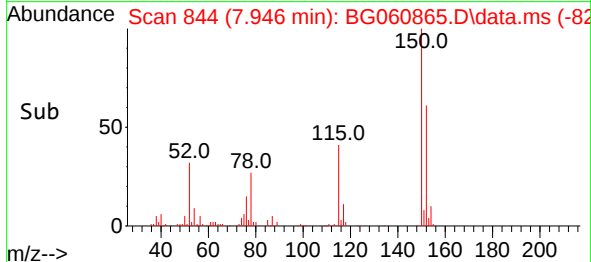
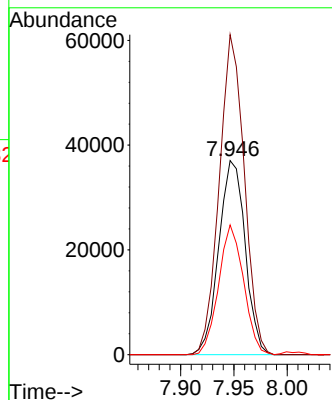
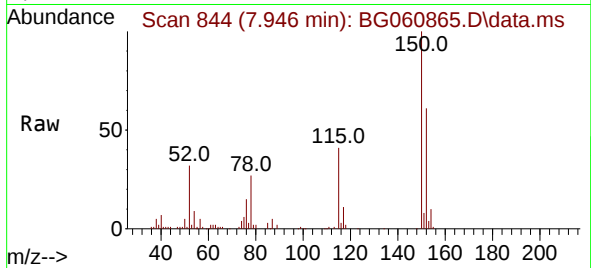




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 846
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

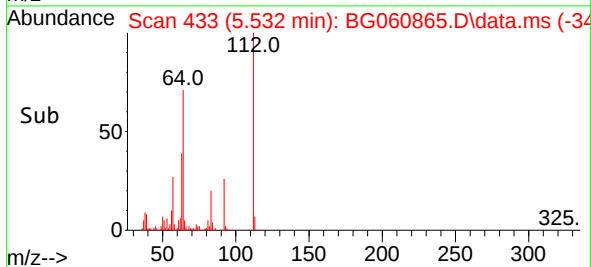
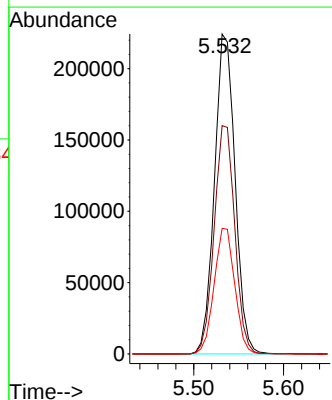
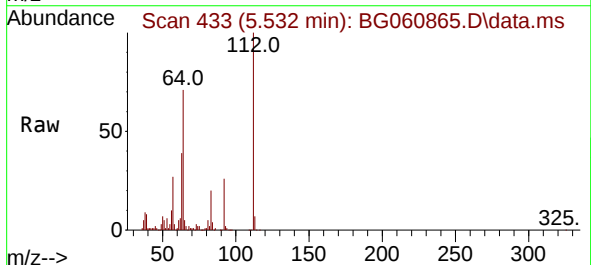
Instrument :
BNA_G
ClientSampleId :
TP-2

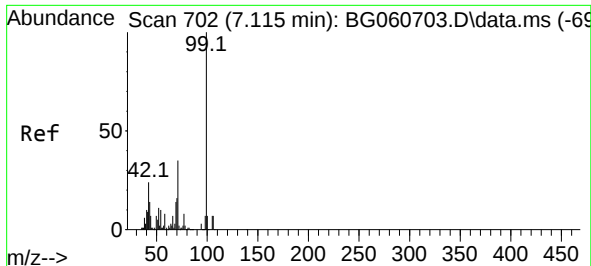
Tgt Ion:152 Resp: 63656
Ion Ratio Lower Upper
152 100
150 164.9 130.2 195.4
115 66.9 51.6 77.4



#5
2-Fluorophenol
Concen: 93.391 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:112 Resp: 356862
Ion Ratio Lower Upper
112 100
64 71.4 58.4 87.6
63 39.2 32.7 49.1

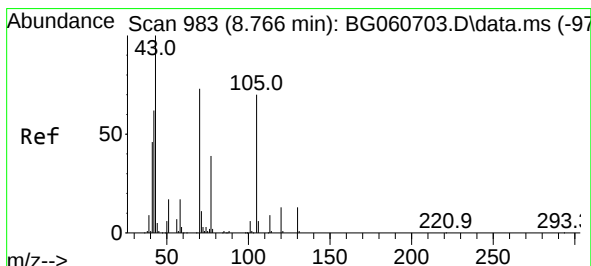
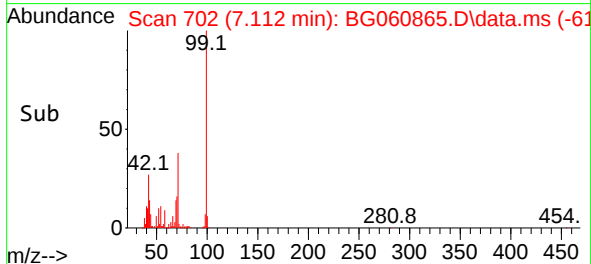
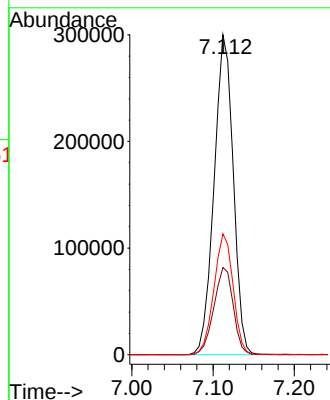
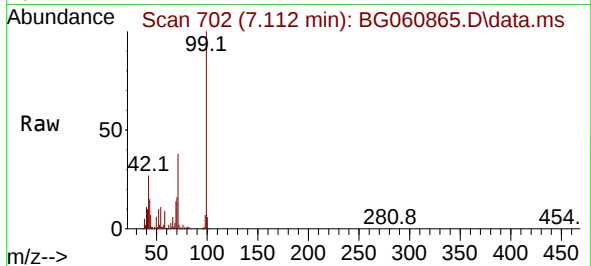




#7
Phenol-d6
Concen: 86.684 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

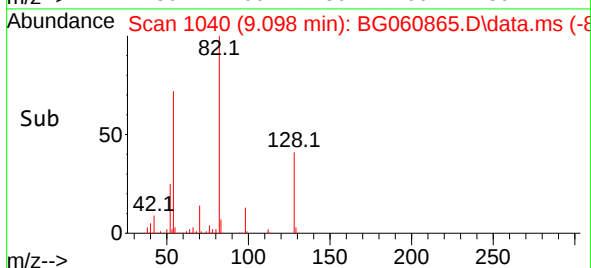
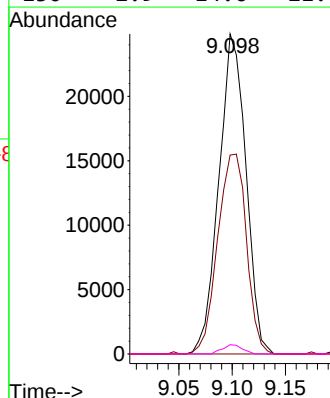
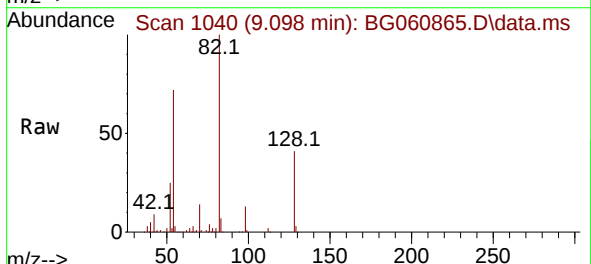
Instrument :
BNA_G
ClientSampleId :
TP-2

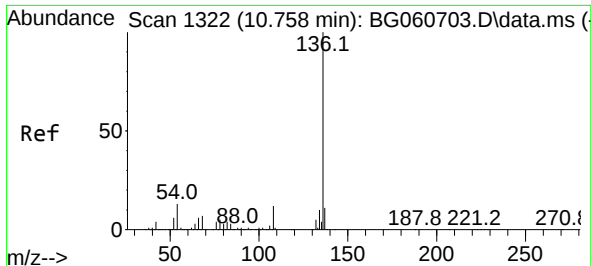
Tgt Ion: 99 Resp: 491673
Ion Ratio Lower Upper
99 100
42 27.2 19.4 29.2
71 37.7 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.127 ng
RT: 9.098 min Scan# 1040
Delta R.T. 0.332 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion: 70 Resp: 43803
Ion Ratio Lower Upper
70 100
42 62.2 68.4 102.6#
101 0.0 6.1 9.1#
130 2.9 14.6 21.8#

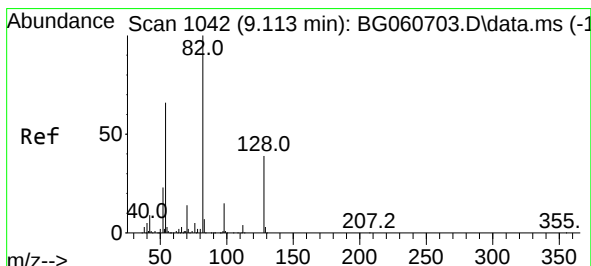
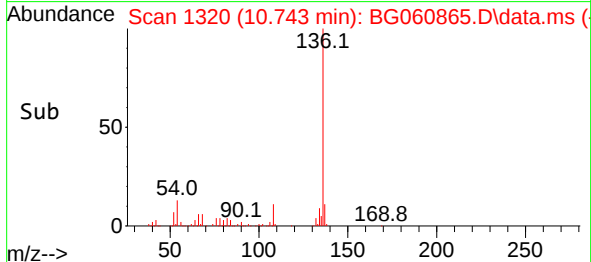
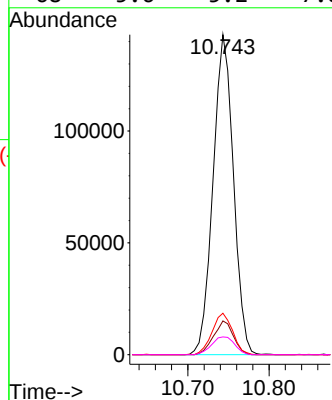
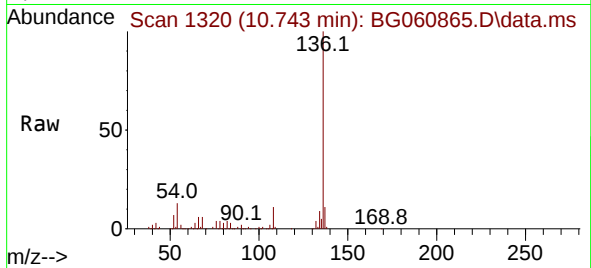




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

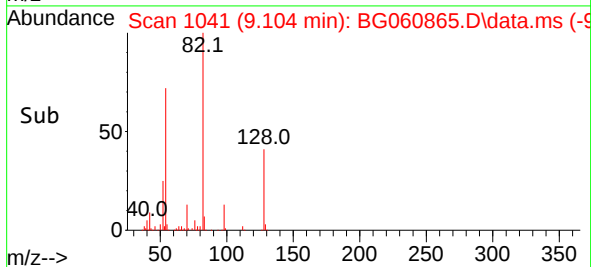
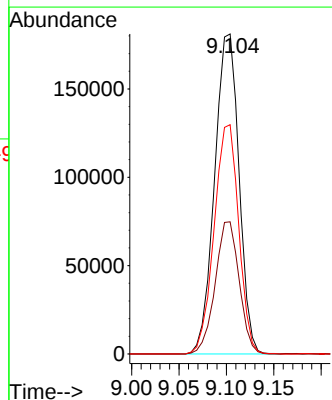
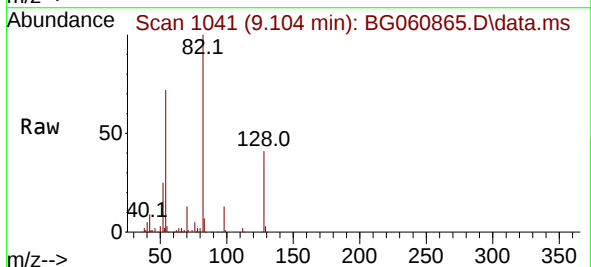
Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 249671
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 13.0 10.2 15.2
68 5.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 74.111 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion: 82 Resp: 324268
Ion Ratio Lower Upper
82 100
128 41.3 31.2 46.8
54 71.6 53.2 79.8

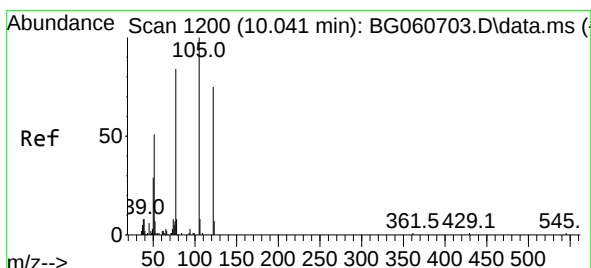
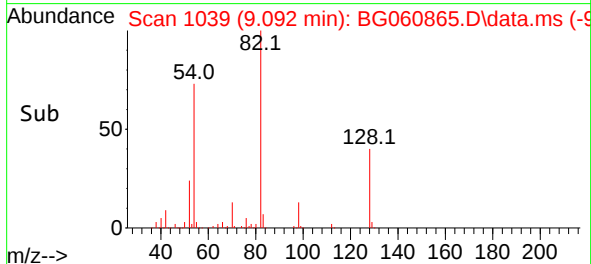
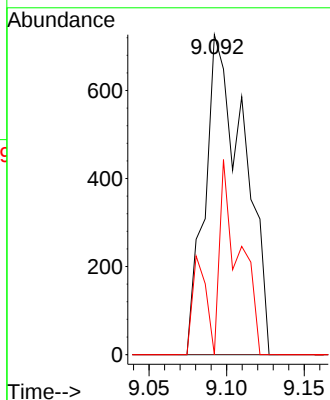
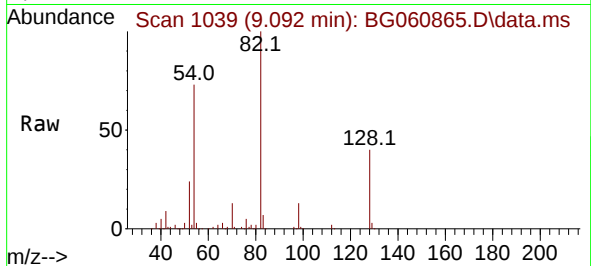




#24
Nitrobenzene
Concen: 3.019 ng
RT: 9.092 min Scan# 1181
Delta R.T. -0.062 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

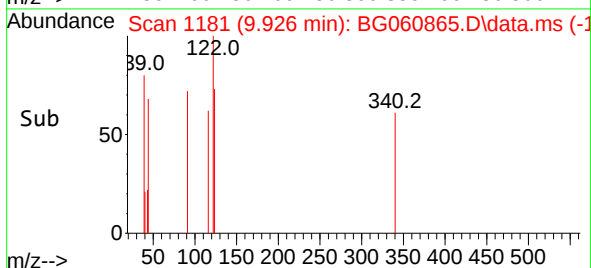
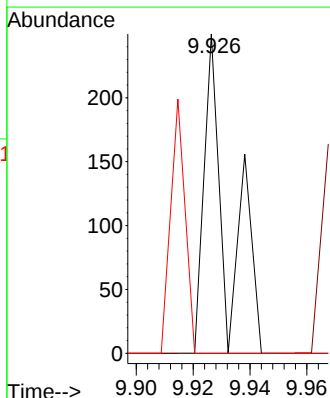
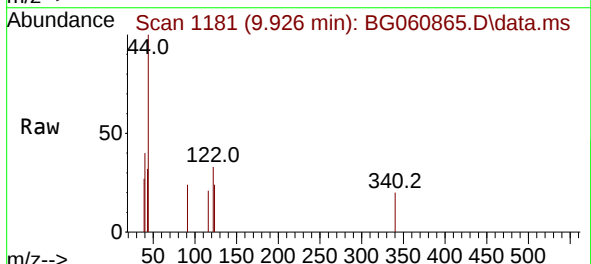
Instrument :
BNA_G
ClientSampleId :
TP-2

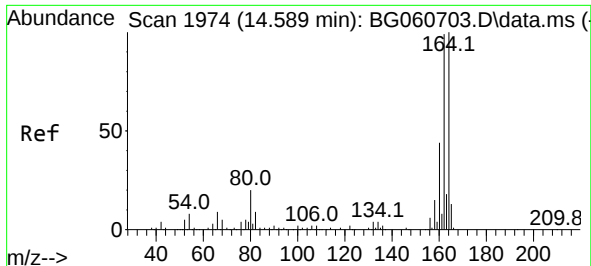
Tgt Ion: 77 Resp: 1274
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 0.0 11.3 16.9#



#32
Benzoic acid
Concen: 6.882 ng
RT: 9.926 min Scan# 1181
Delta R.T. -0.115 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion: 122 Resp: 143
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

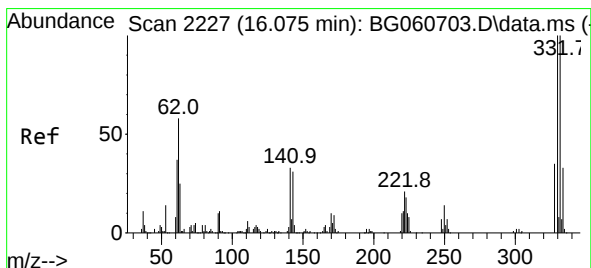
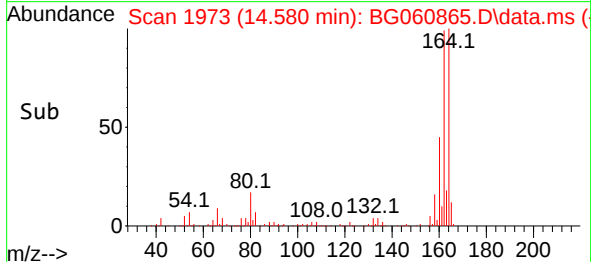
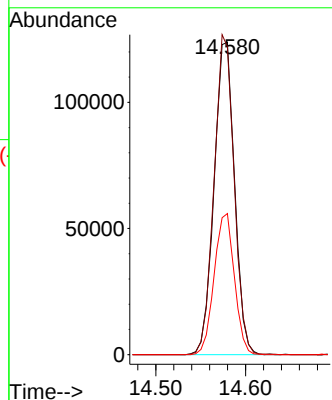
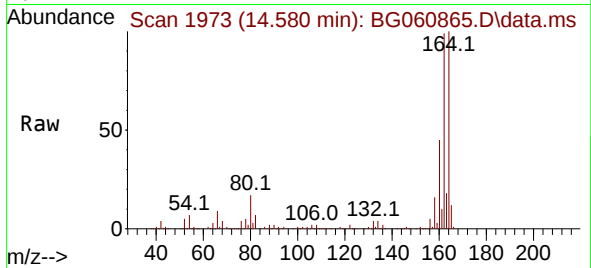




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

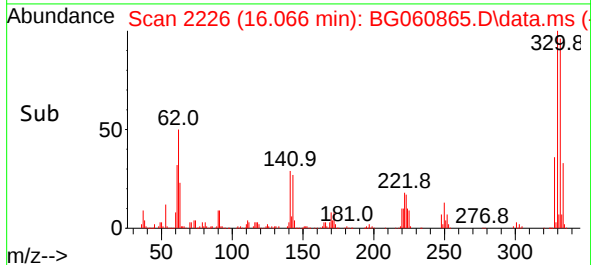
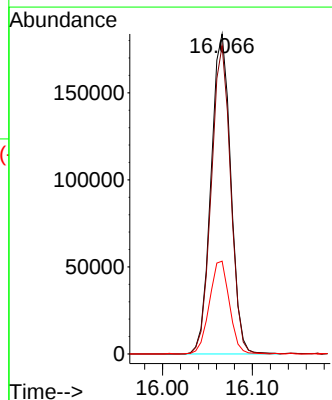
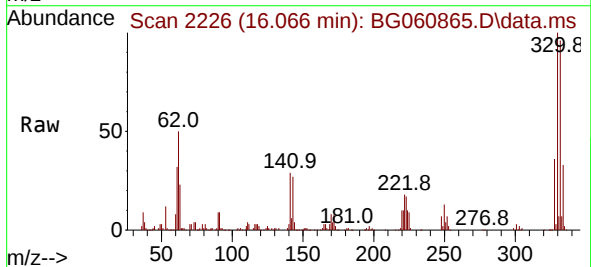
Instrument :
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TP-2

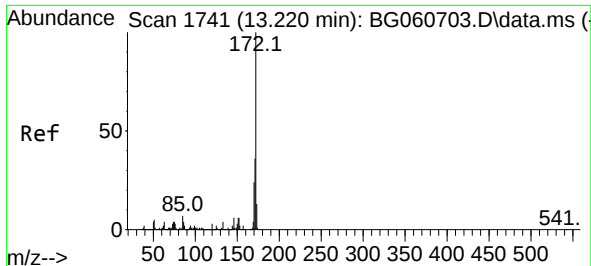
Tgt Ion:164 Resp: 195893
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 45.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 125.980 ng
RT: 16.066 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:330 Resp: 280143
Ion Ratio Lower Upper
330 100
332 94.4 78.2 117.4
141 29.5 27.0 40.6

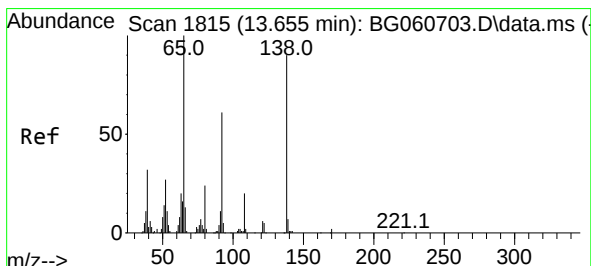
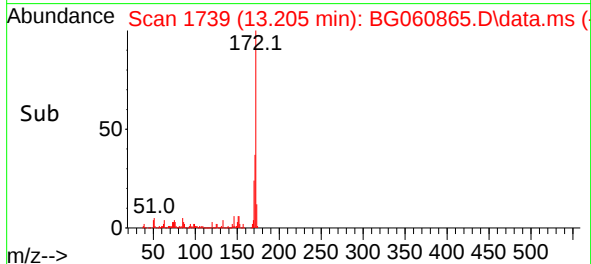
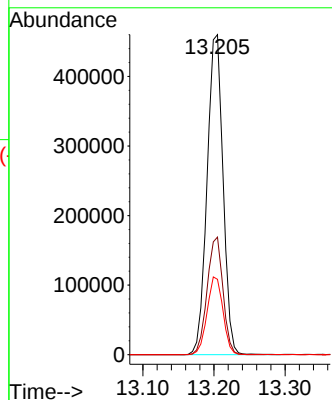
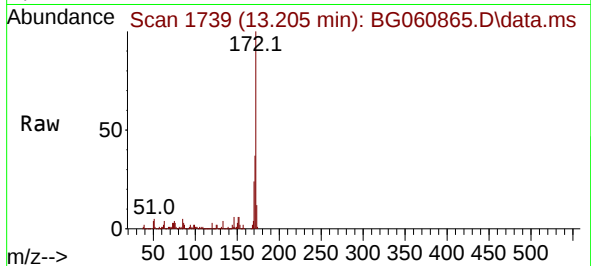




#45
2-Fluorobiphenyl
Concen: 53.887 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

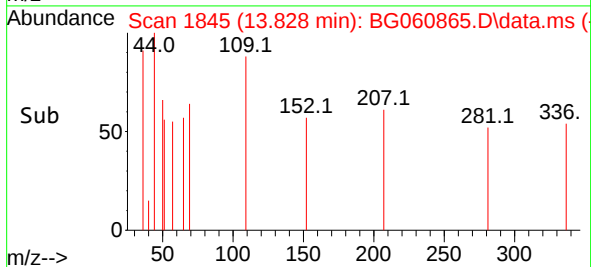
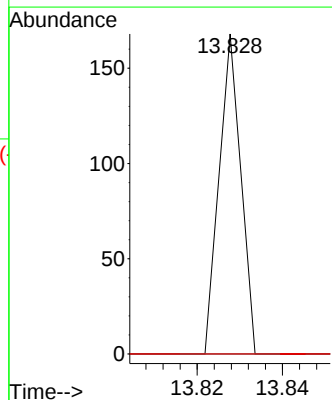
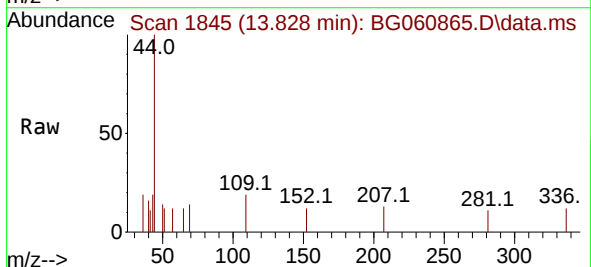
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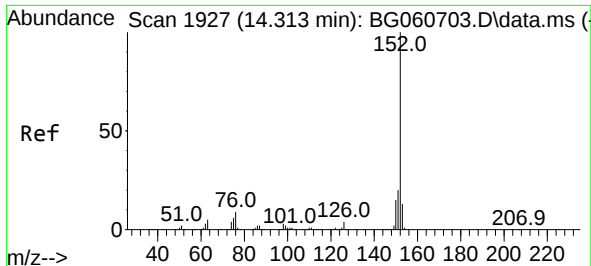
Tgt Ion:172 Resp: 719267
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 23.6 19.4 29.0



#48
2-Nitroaniline
Concen: 2.809 ng
RT: 13.828 min Scan# 1845
Delta R.T. 0.173 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#





#49

Acenaphthylene

Concen: 6.456 ng

RT: 14.304 min Scan# 1926

Delta R.T. -0.009 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

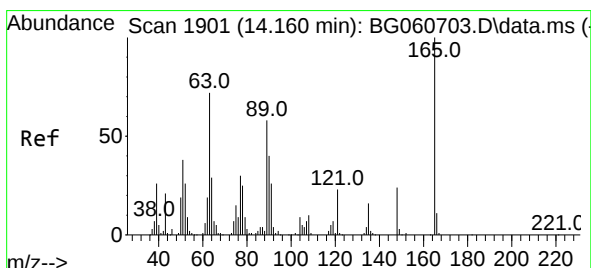
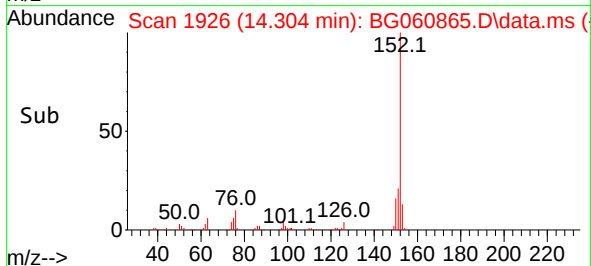
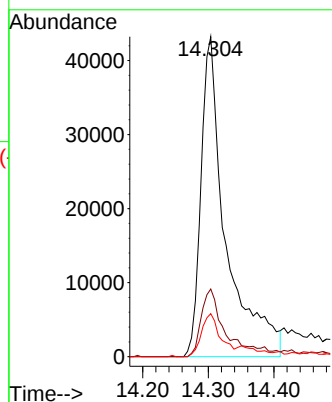
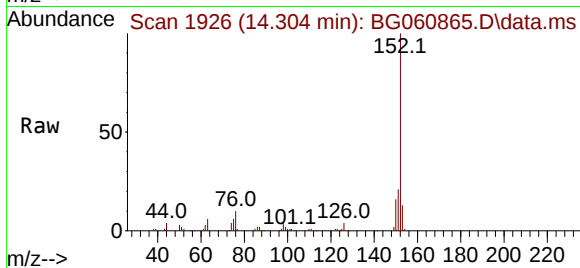
Tgt Ion:152 Resp: 114034

Ion Ratio Lower Upper

152 100

151 21.2 16.4 24.6

153 13.5 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 12.179 ng

RT: 14.574 min Scan# 1972

Delta R.T. 0.414 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

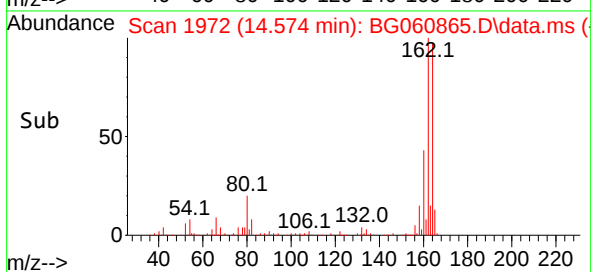
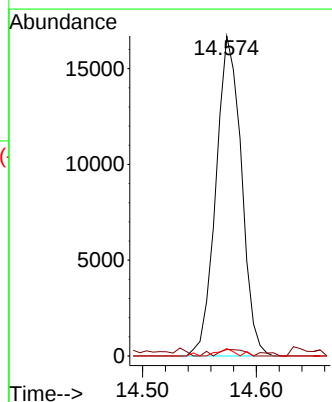
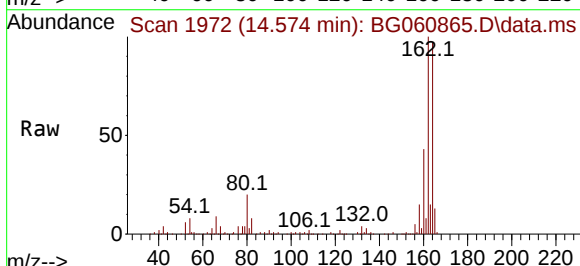
Tgt Ion:165 Resp: 25968

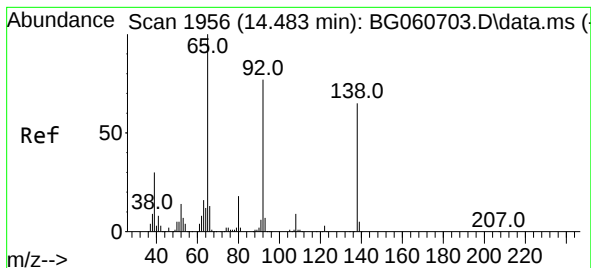
Ion Ratio Lower Upper

165 100

63 2.0 58.2 87.4#

89 2.3 46.1 69.1#

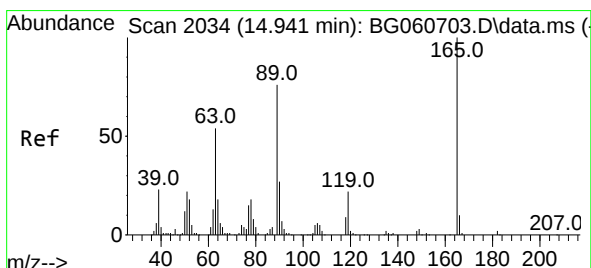
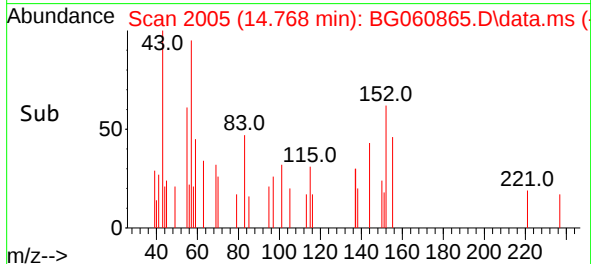
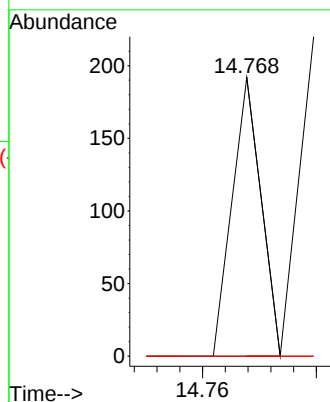
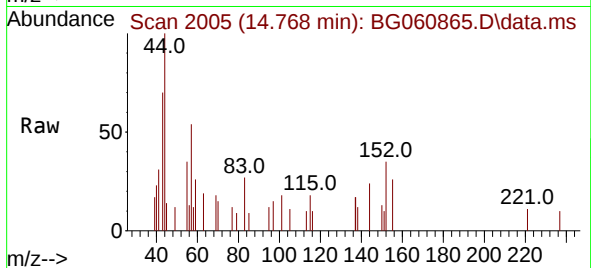




#53
3-Nitroaniline
Concen: 2.872 ng
RT: 14.768 min Scan# 20
Delta R.T. 0.285 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

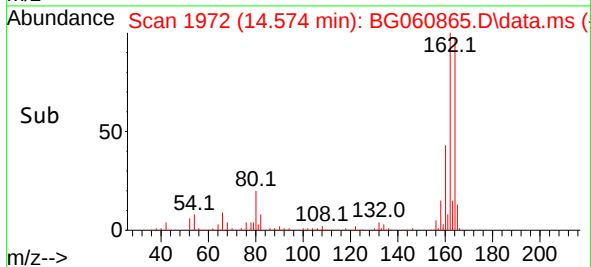
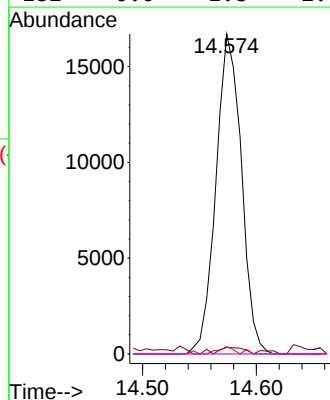
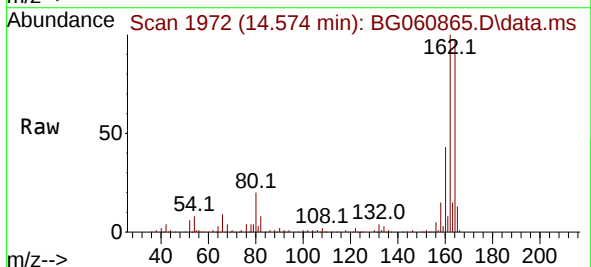
Instrument :
BNA_G
ClientSampleId :
TP-2

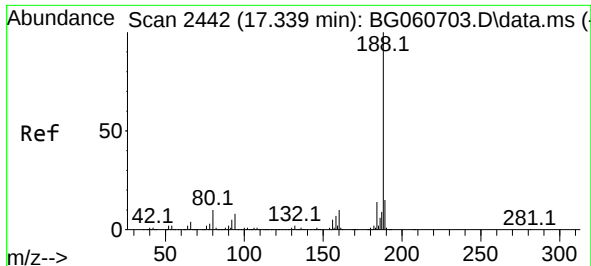
Tgt Ion:138 Resp: 68
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 10.242 ng
RT: 14.574 min Scan# 1972
Delta R.T. -0.367 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:165 Resp: 25968
Ion Ratio Lower Upper
165 100
63 2.0 43.4 65.0#
89 2.3 61.0 91.6#
182 0.0 1.8 2.6#

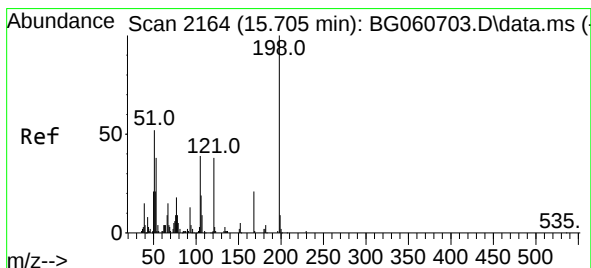
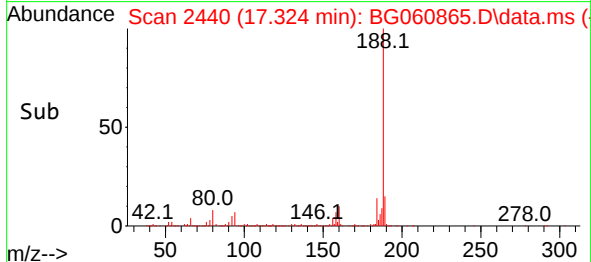
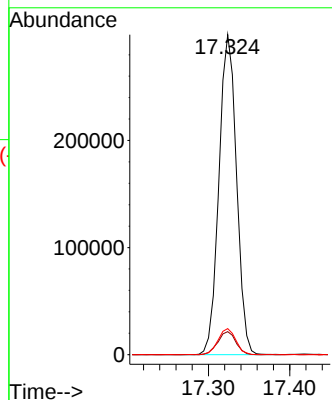
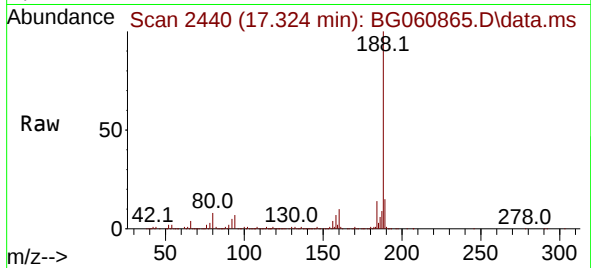




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 24
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

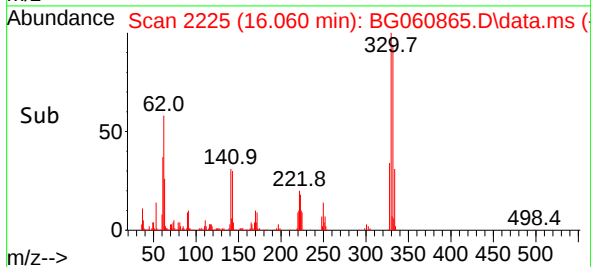
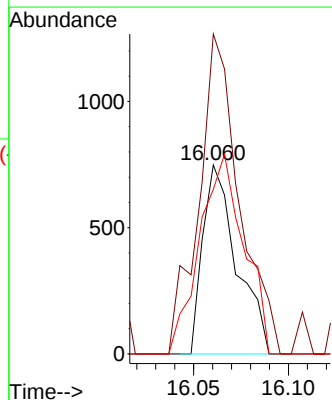
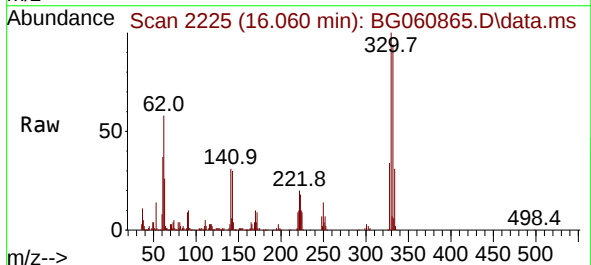
Instrument :
BNA_G
ClientSampleId :
TP-2

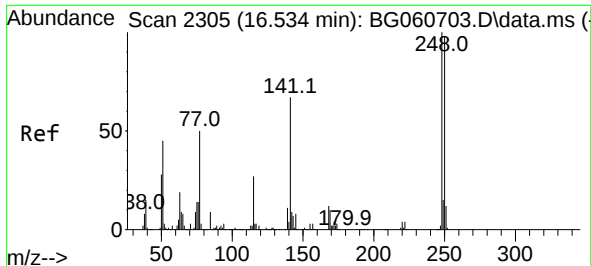
Tgt Ion:188 Resp: 450115
Ion Ratio Lower Upper
188 100
94 7.2 6.6 9.8
80 8.1 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.462 ng
RT: 16.060 min Scan# 2225
Delta R.T. 0.355 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:198 Resp: 931
Ion Ratio Lower Upper
198 100
51 169.4 36.7 76.7#
105 87.0 19.1 59.1#

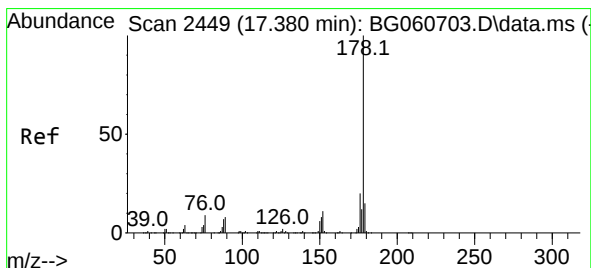
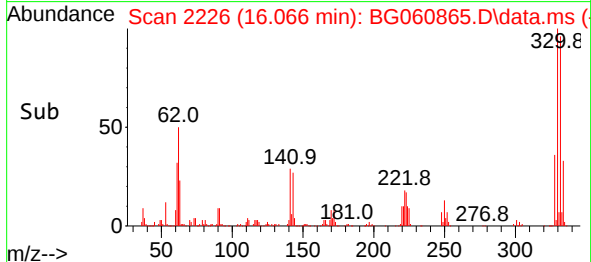
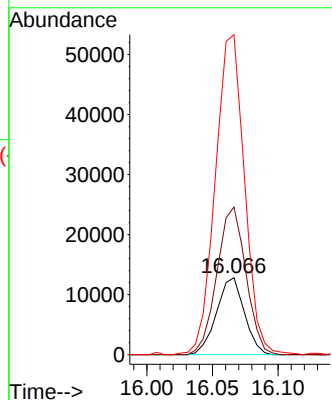
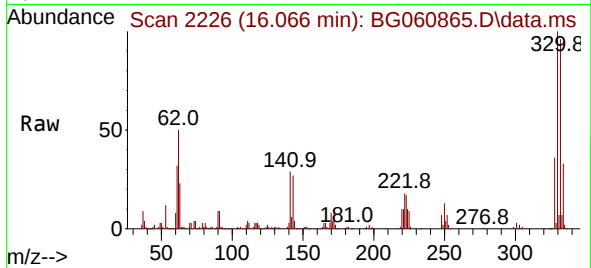




#67
4-Bromophenyl-phenylether
Concen: 4.141 ng
RT: 16.066 min Scan# 21
Delta R.T. -0.468 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

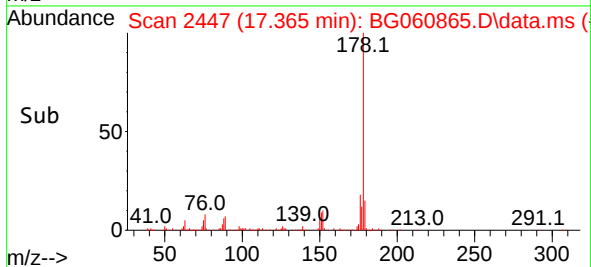
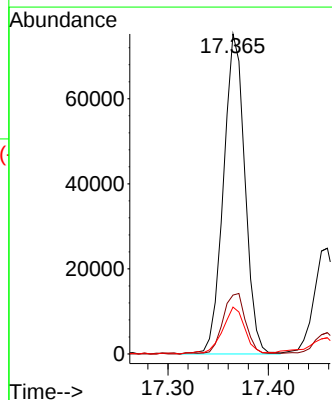
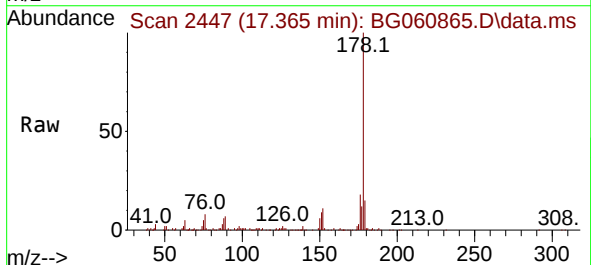
Instrument :
BNA_G
ClientSampleId :
TP-2

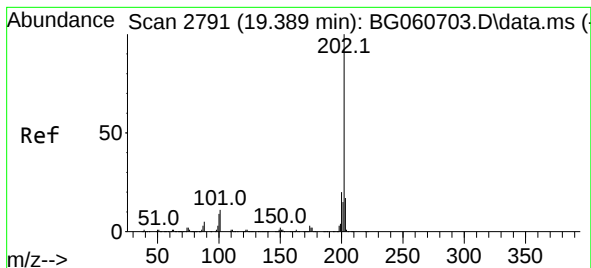
Tgt Ion:248 Resp: 18918
Ion Ratio Lower Upper
248 100
250 192.0 78.3 117.5#
141 415.9 53.7 80.5#



#71
Phenanthrene
Concen: 4.767 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:178 Resp: 111593
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 14.7 12.2 18.4





#75

Fluoranthene

Concen: 35.668 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

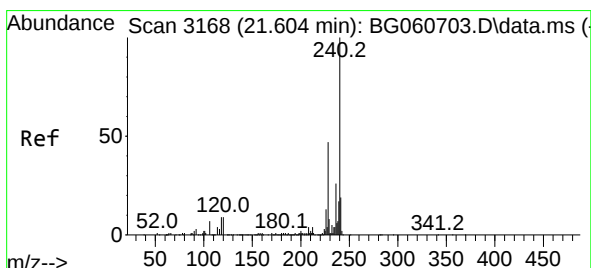
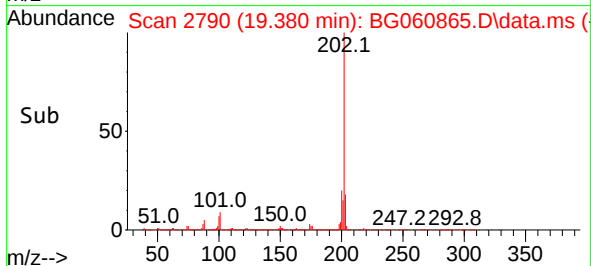
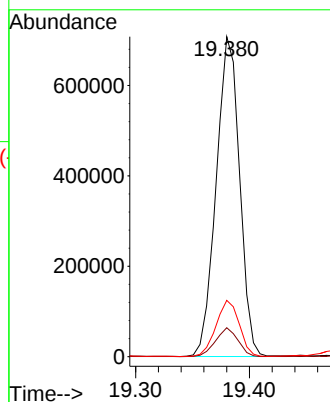
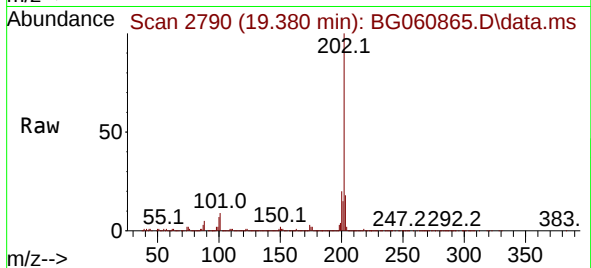
Tgt Ion:202 Resp: 1013187

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.8

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3166

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

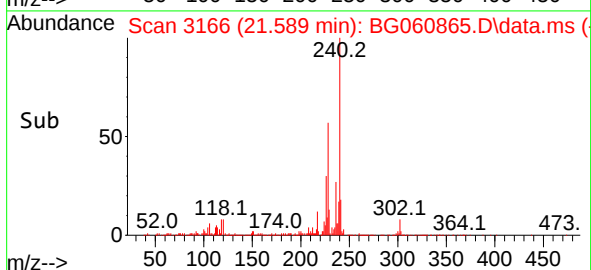
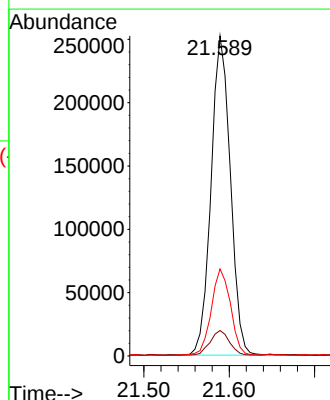
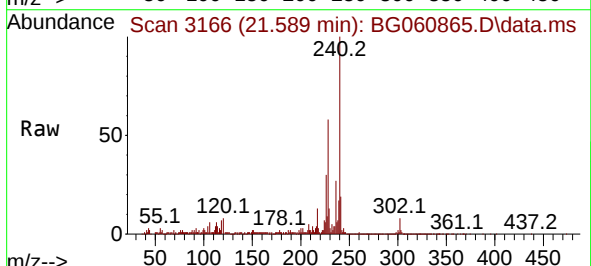
Tgt Ion:240 Resp: 395866

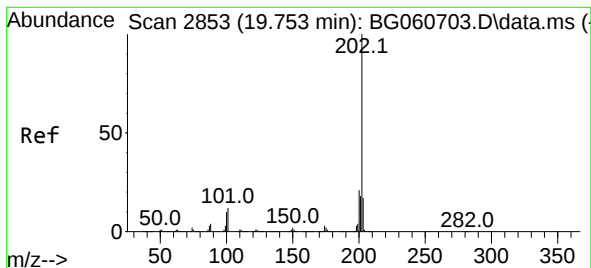
Ion Ratio Lower Upper

240 100

120 8.0 7.1 10.7

236 27.2 20.7 31.1





#78

Pyrene

Concen: 37.484 ng

RT: 19.744 min Scan# 2

Delta R.T. -0.009 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

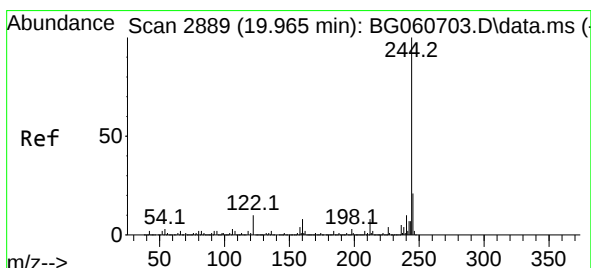
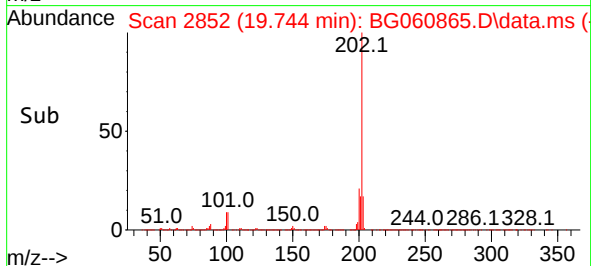
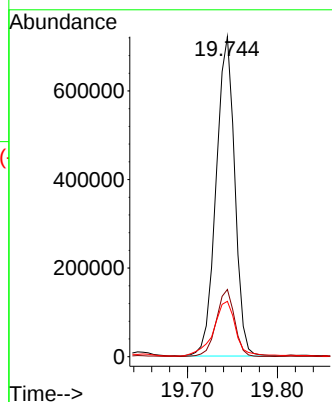
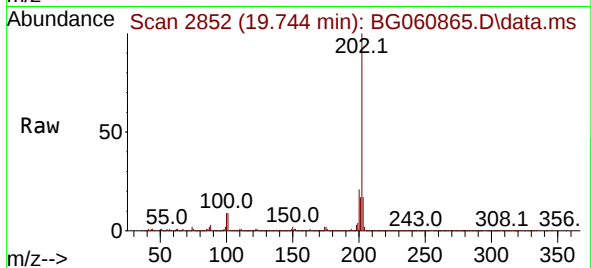
Tgt Ion:202 Resp: 1037782

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.3 14.0 21.0



#79

Terphenyl-d14

Concen: 54.533 ng

RT: 19.950 min Scan# 2887

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

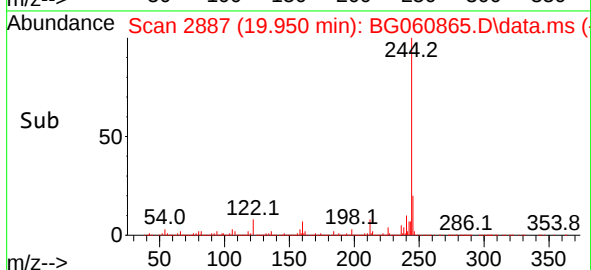
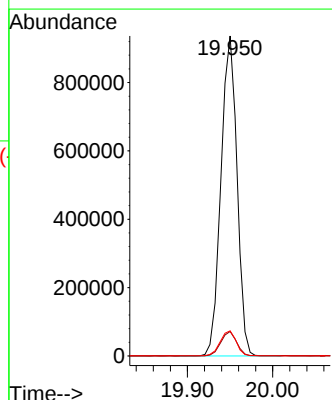
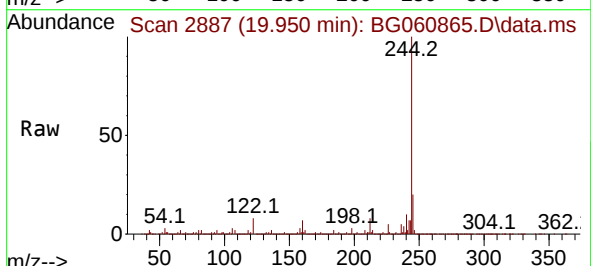
Tgt Ion:244 Resp: 1225988

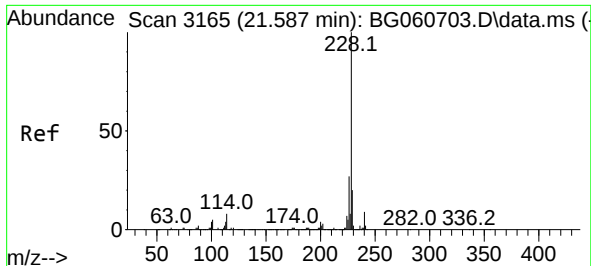
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 7.8 7.8 11.8

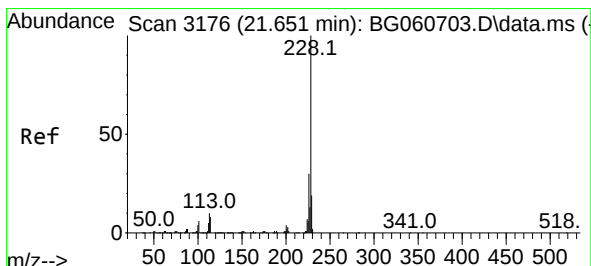
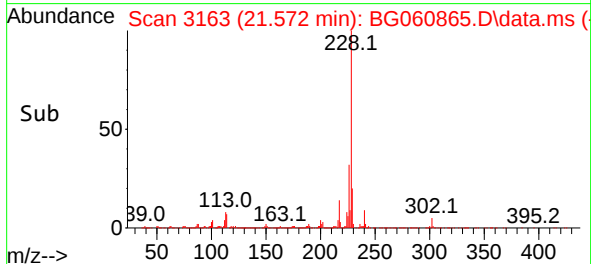
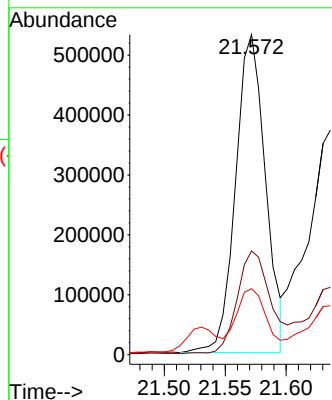
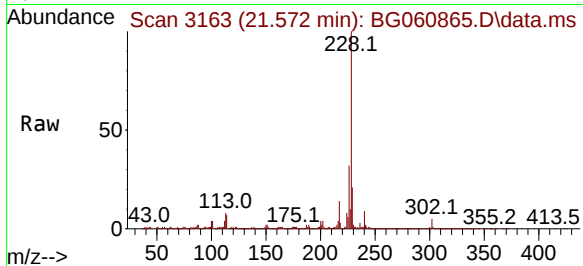




#81
Benzo(a)anthracene
Concen: 32.528 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

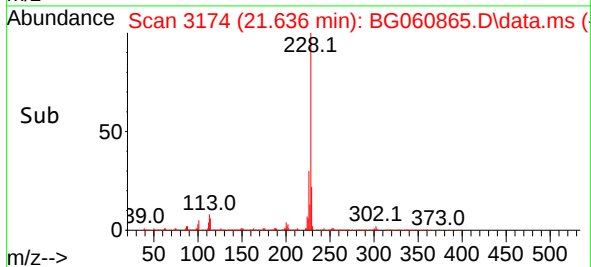
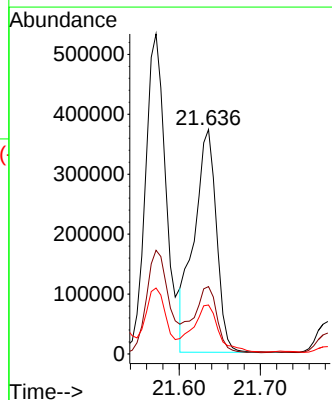
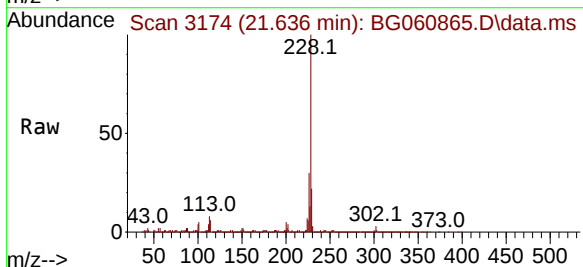
Instrument :
BNA_G
ClientSampleId :
TP-2

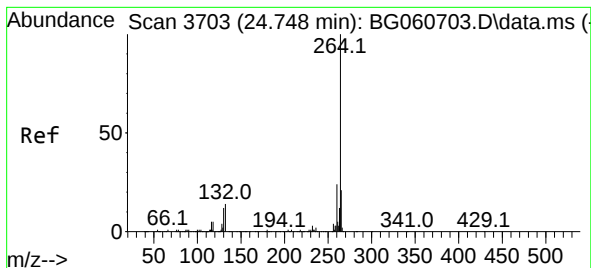
Tgt Ion:228 Resp: 907662
Ion Ratio Lower Upper
228 100
226 32.4 21.7 32.5
229 20.6 15.8 23.8



#83
Chrysene
Concen: 26.506 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG060865.D
Acq: 11 Apr 2024 18:56

Tgt Ion:228 Resp: 712892
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

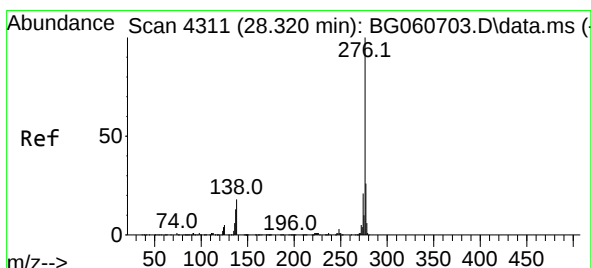
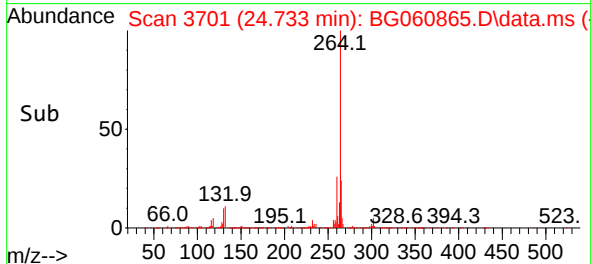
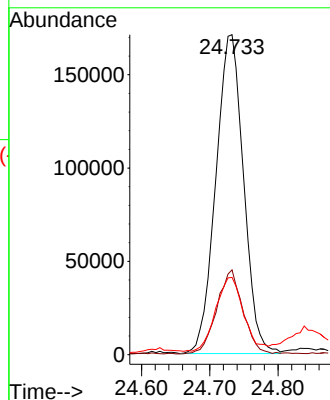
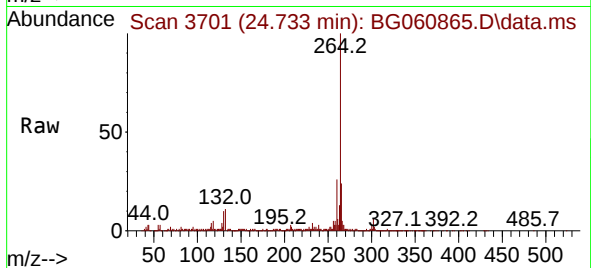
Tgt Ion:264 Resp: 482864

Ion Ratio Lower Upper

264 100

260 26.5 19.5 29.3

265 24.2 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.962 ng

RT: 28.293 min Scan# 4307

Delta R.T. -0.027 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

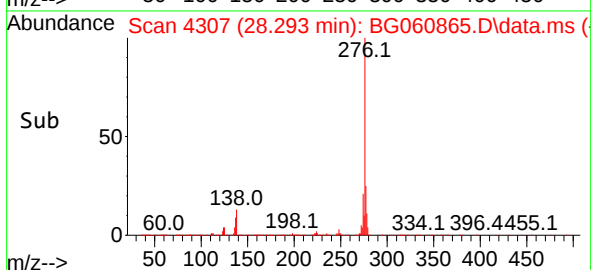
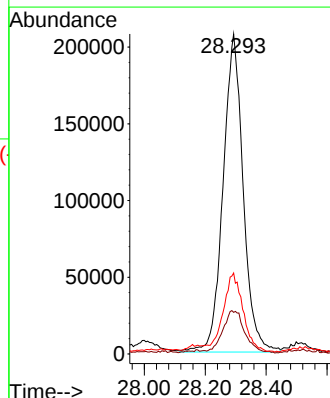
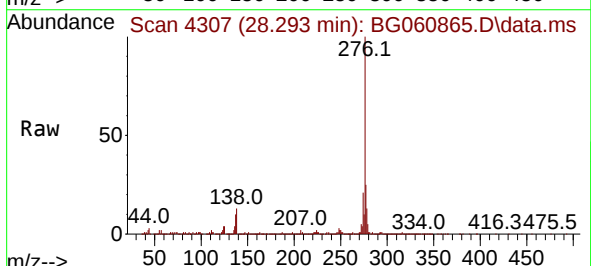
Tgt Ion:276 Resp: 950805

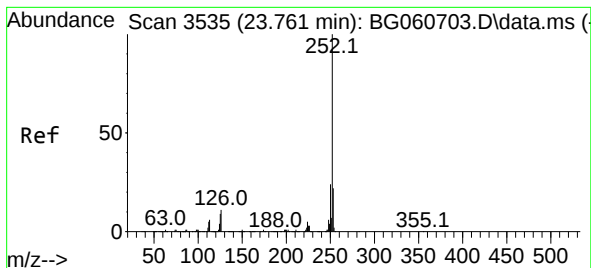
Ion Ratio Lower Upper

276 100

138 14.4 12.4 18.6

277 24.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 55.122 ng

RT: 23.745 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

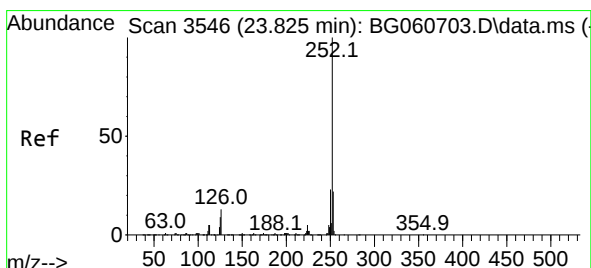
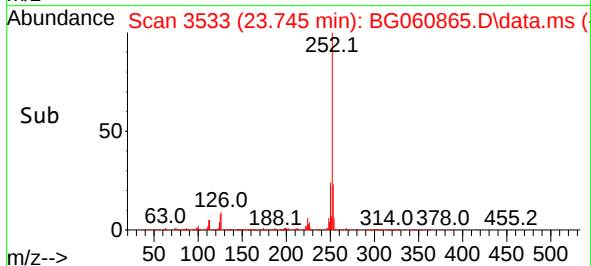
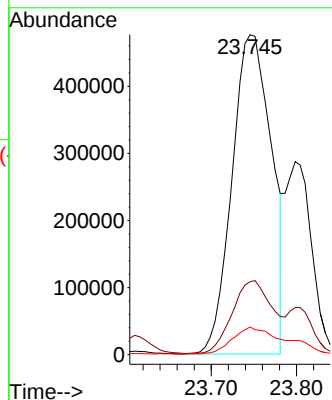
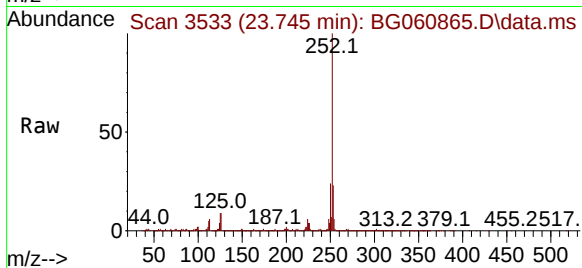
Tgt Ion:252 Resp: 1529101

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 8.6 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 53.854 ng

RT: 23.745 min Scan# 3533

Delta R.T. -0.080 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

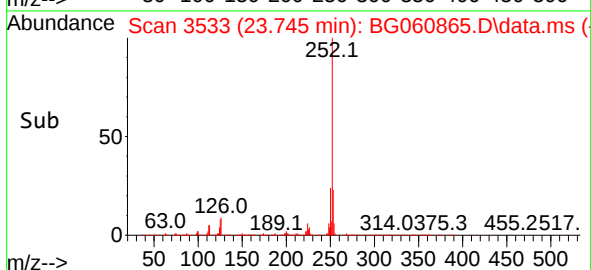
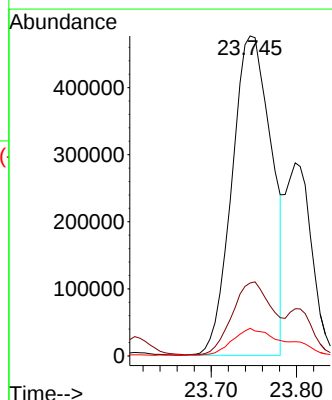
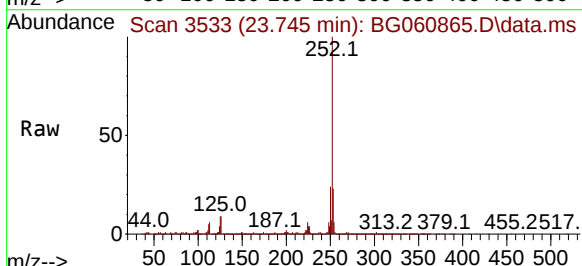
Tgt Ion:252 Resp: 1529101

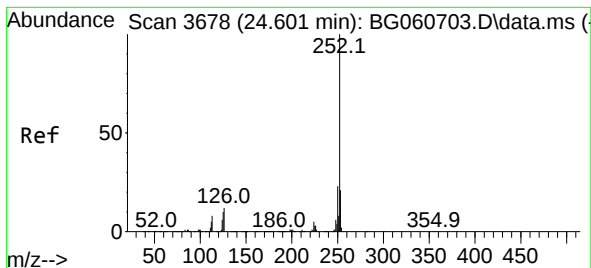
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 8.6 7.5 11.3





#90

Benzo(a)pyrene

Concen: 46.079 ng

RT: 24.586 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

TP-2

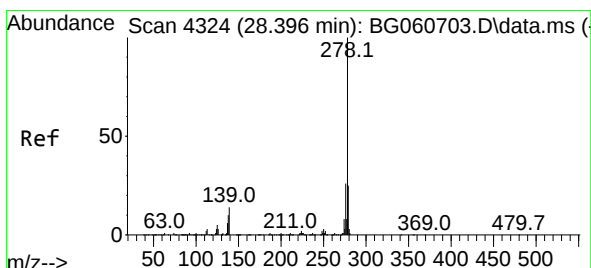
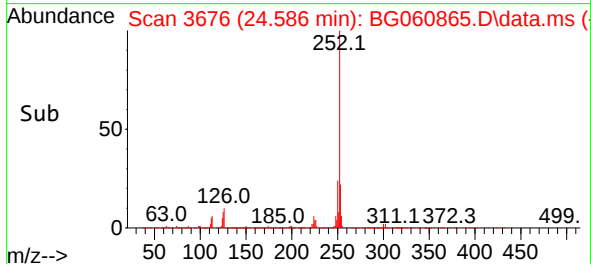
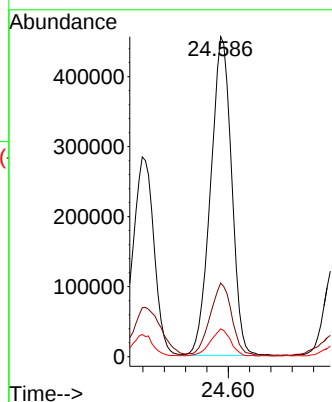
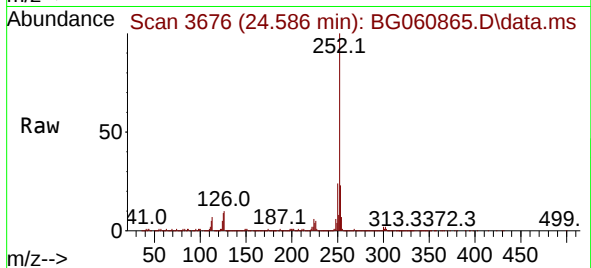
Tgt Ion:252 Resp: 1242213

Ion Ratio Lower Upper

252 100

253 23.0 16.8 25.2

125 8.7 7.6 11.4



#91

Dibenzo(a,h)anthracene

Concen: 6.059 ng

RT: 28.751 min Scan# 4385

Delta R.T. 0.355 min

Lab File: BG060865.D

Acq: 11 Apr 2024 18:56

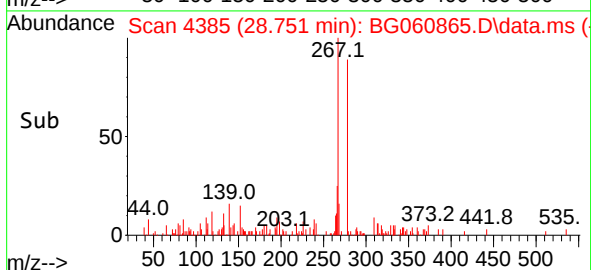
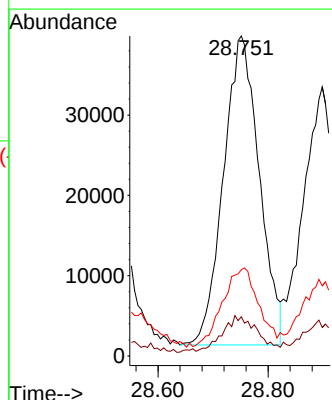
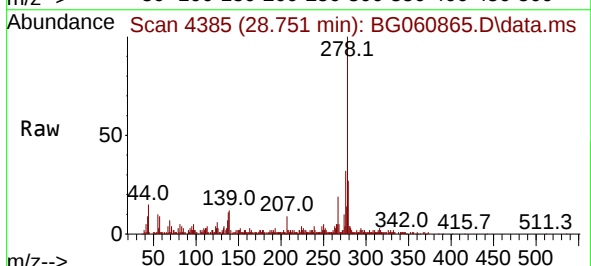
Tgt Ion:278 Resp: 173672

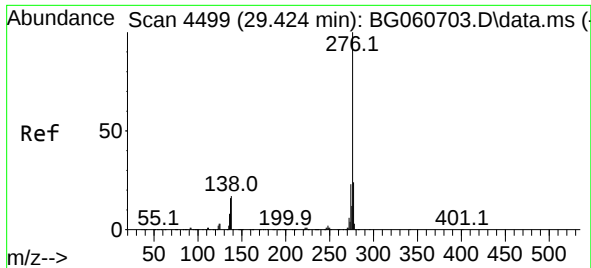
Ion Ratio Lower Upper

278 100

139 12.3 11.1 16.7

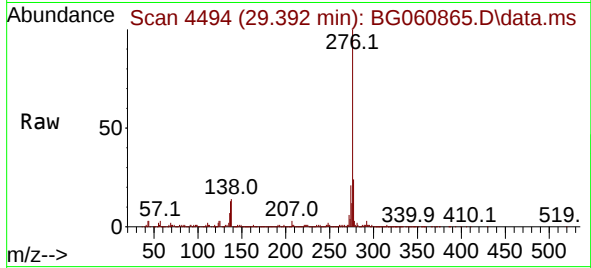
279 26.9 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 29.937 ng
 RT: 29.392 min Scan# 4494
 Delta R.T. -0.033 min
 Lab File: BG060865.D
 Acq: 11 Apr 2024 18:56

Instrument :
 BNA_G
 ClientSampleId :
 TP-2



Tgt Ion:	276	Resp:	834760
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.9	28.3
138	14.2	14.0	21.0

