

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060965.D
 Acq On : 19 Apr 2024 18:59
 Operator : MA/JU
 Sample : P2126-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 19 22:43:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

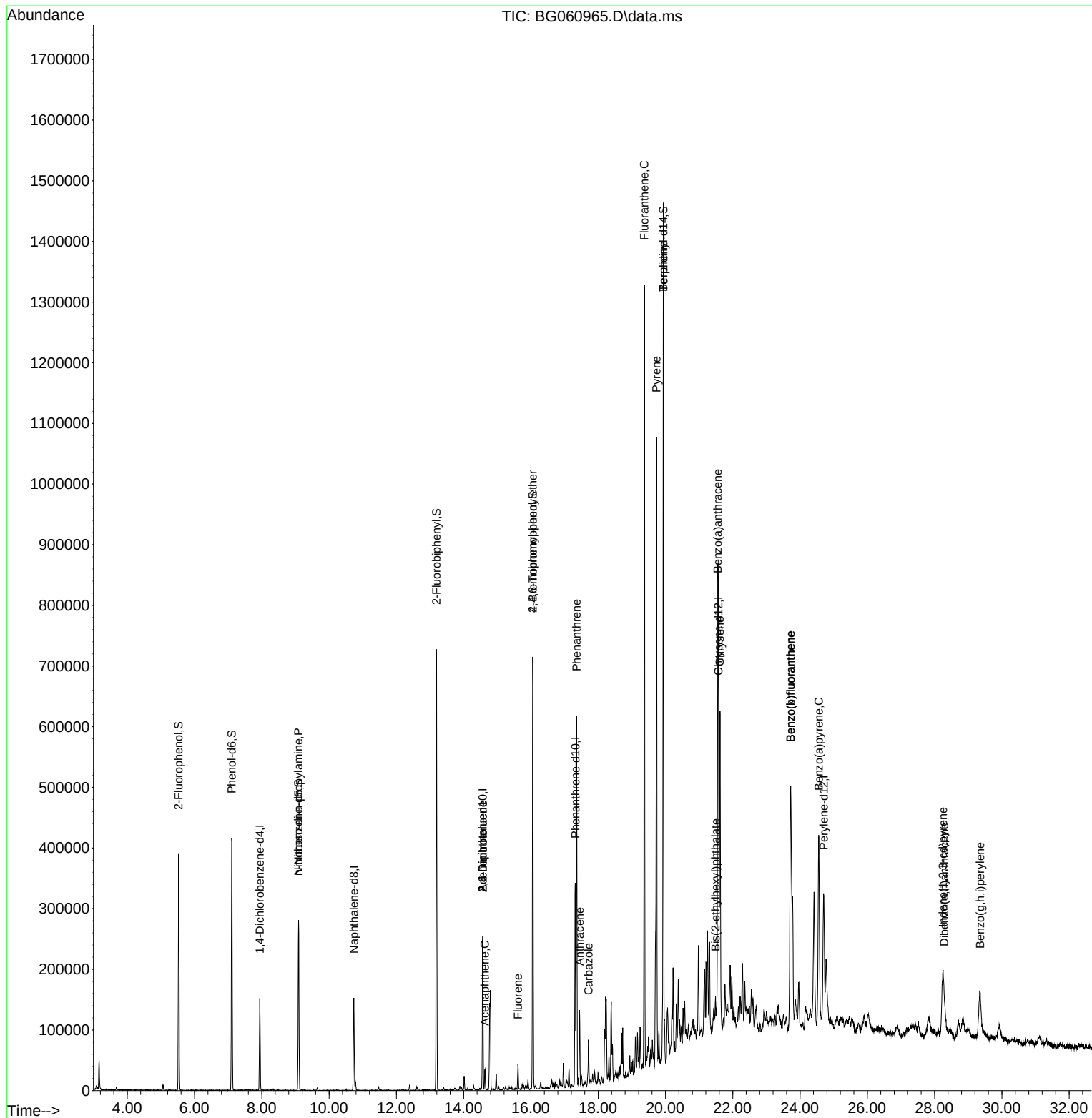
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	37572	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	122192	20.000	ng	# 0.00
39) Acenaphthene-d10	14.569	164	92124	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	214956	20.000	ng	# 0.00
76) Chrysene-d12	21.578	240	210535	20.000	ng	# 0.00
86) Perylene-d12	24.704	264	253721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	139460	64.473	ng	0.00
7) Phenol-d6	7.107	99	188656	60.543	ng	0.00
23) Nitrobenzene-d5	9.093	82	140445	52.179	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	151757	99.714	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	367925	58.607	ng	0.00
79) Terphenyl-d14	19.939	244	684593	56.750	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.093	70	20836	8.779	ng	# 75
51) 2,6-Dinitrotoluene	14.569	165	12999	8.724	ng	# 18
52) Acenaphthene	14.627	154	12112	2.463	ng	96
57) 2,4-Dinitrotoluene	14.569	165	12999	6.105	ng	# 20
58) Fluorene	15.614	166	18158	2.636	ng	98
67) 4-Bromophenyl-phenylether	16.055	248	9737	4.044	ng	# 1
71) Phenanthrene	17.359	178	371717	34.164	ng	99
72) Anthracene	17.448	178	82151	7.350	ng	97
73) Carbazole	17.712	167	40348	4.144	ng	99
75) Fluoranthene	19.375	202	812754	58.687	ng	96
77) Benzidine	19.939	184	12044	2.594	ng	# 79
78) Pyrene	19.733	202	701818	48.594	ng	99
81) Benzo(a)anthracene	21.555	228	440311	29.617	ng	98
83) Chrysene	21.619	228	399666	28.156	ng	98
84) Bis(2-ethylhexyl)phtha...	21.490	149	17890	2.281	ng	# 97
87) Indeno(1,2,3-cd)pyrene	28.247	276	234344	13.357	ng	# 89
88) Benzo(b)fluoranthene	23.723	252	520162	36.235	ng	# 94
89) Benzo(k)fluoranthene	23.723	252	520162	35.420	ng	# 97
90) Benzo(a)pyrene	24.557	252	374640	26.470	ng	# 97
91) Dibenzo(a,h)anthracene	28.282	278	32464	2.248	ng	# 83
92) Benzo(g,h,i)perylene	29.357	276	209367	14.828	ng	# 90

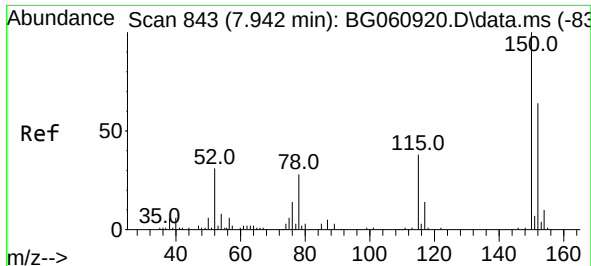
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
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Acq On : 19 Apr 2024 18:59
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

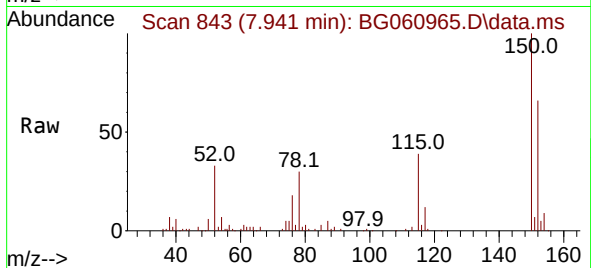
Quant Time: Apr 19 22:43:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 02:02:19 2024
Response via : Initial Calibration



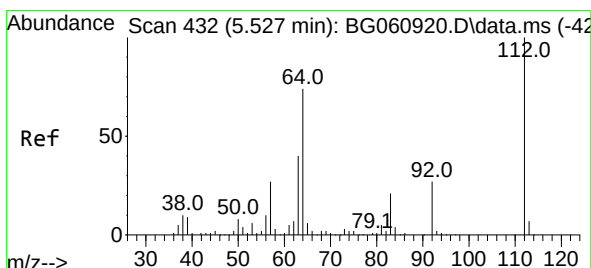
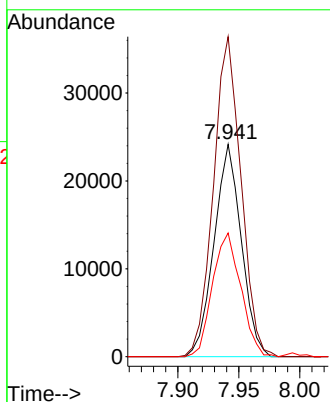
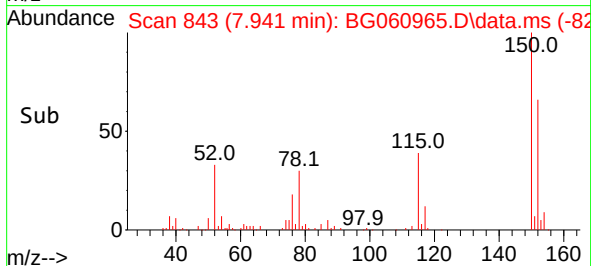


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.001 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

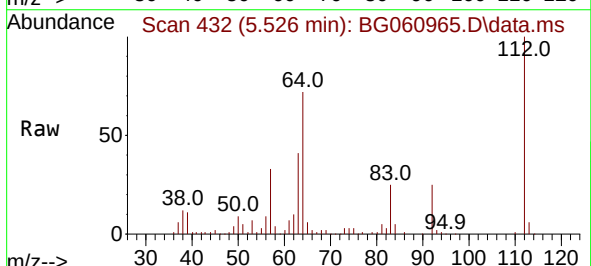
Instrument :
BNA_G
ClientSampleId :



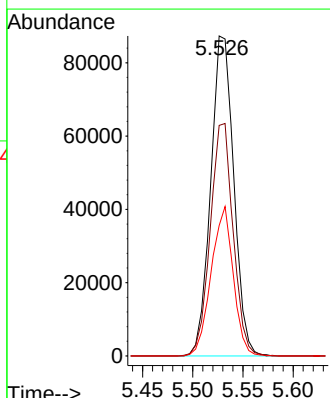
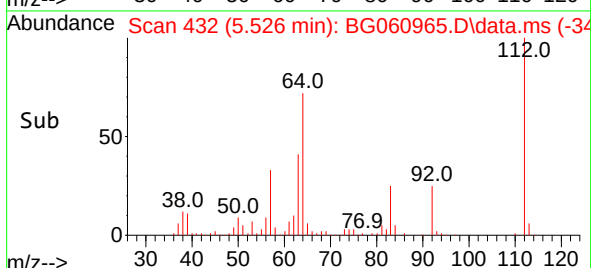
Tgt Ion:152 Resp: 37572
Ion Ratio Lower Upper
152 100
150 150.7 125.6 188.4
115 58.2 47.1 70.7

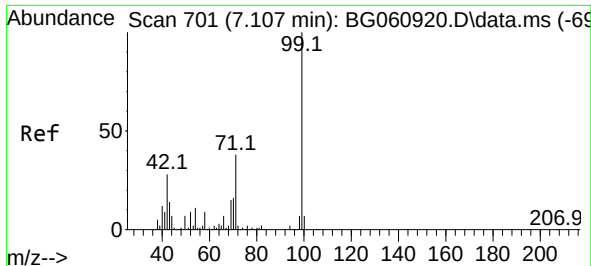


#5
2-Fluorophenol
Concen: 64.473 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59



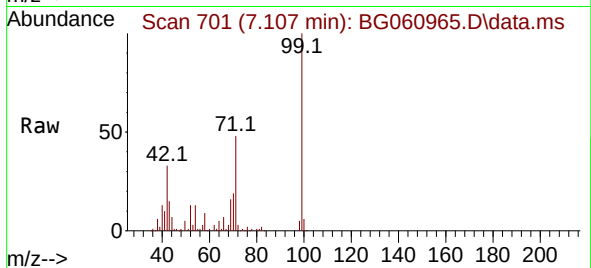
Tgt Ion:112 Resp: 139460
Ion Ratio Lower Upper
112 100
64 72.1 58.9 88.3
63 40.8 32.1 48.1



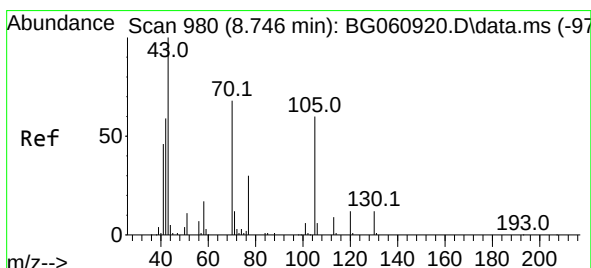
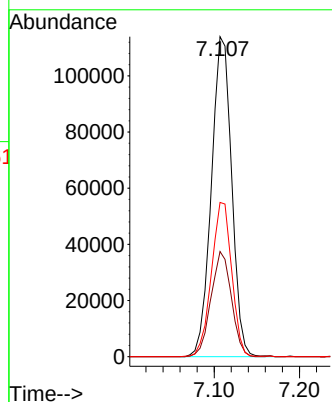
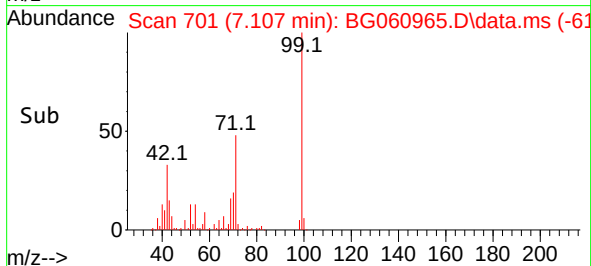


#7
Phenol-d6
Concen: 60.543 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

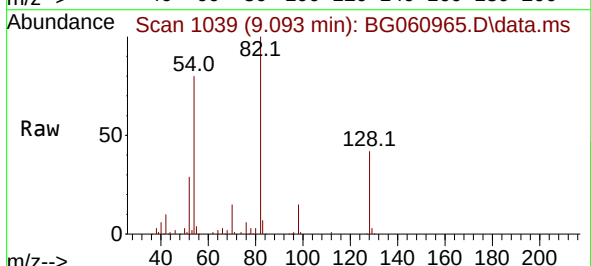
Instrument :
BNA_G
ClientSampleId :



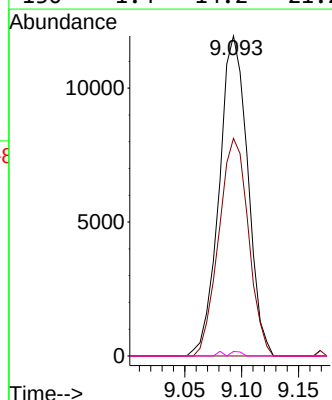
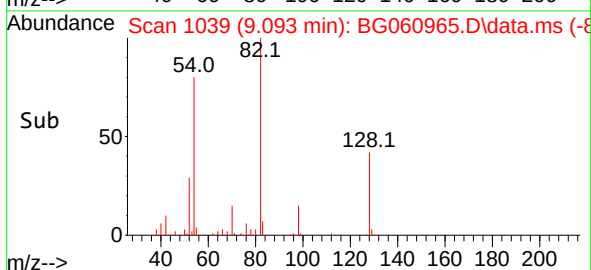
Tgt Ion: 99 Resp: 188656
Ion Ratio Lower Upper
99 100
42 32.9 22.2 33.2
71 48.2 30.5 45.7#

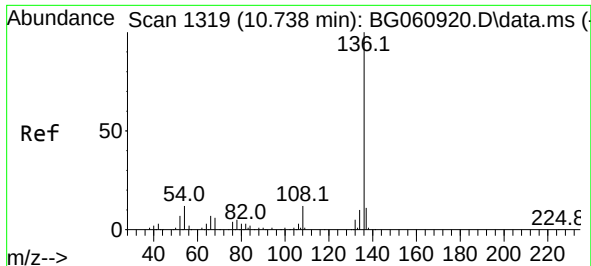


#19
n-Nitroso-di-n-propylamine
Concen: 8.779 ng
RT: 9.093 min Scan# 1039
Delta R.T. 0.346 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59



Tgt Ion: 70 Resp: 20836
Ion Ratio Lower Upper
70 100
42 68.0 70.9 106.3#
101 0.0 7.0 10.4#
130 1.4 14.2 21.2#

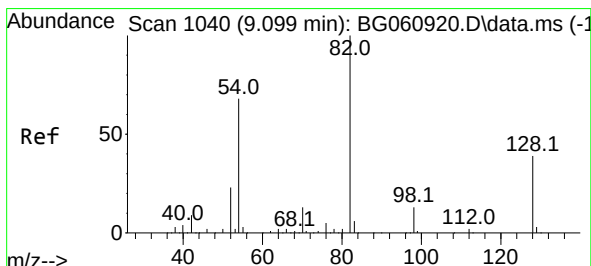
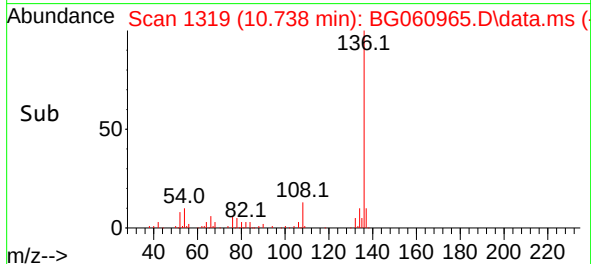
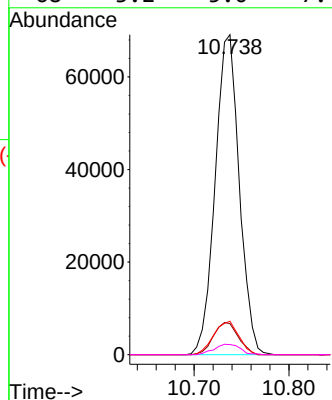
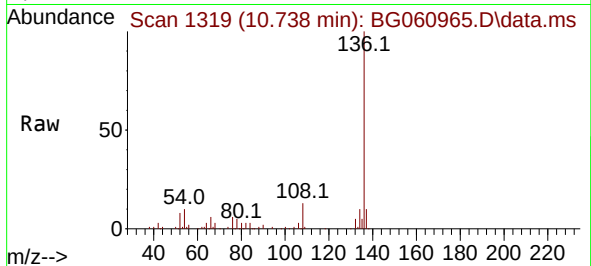




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

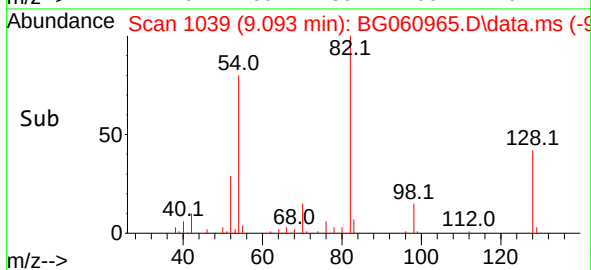
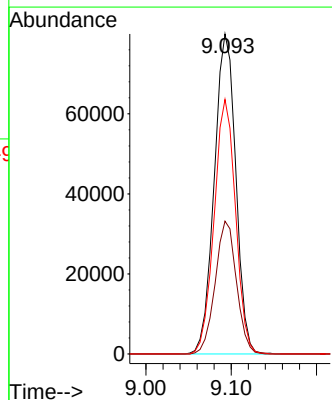
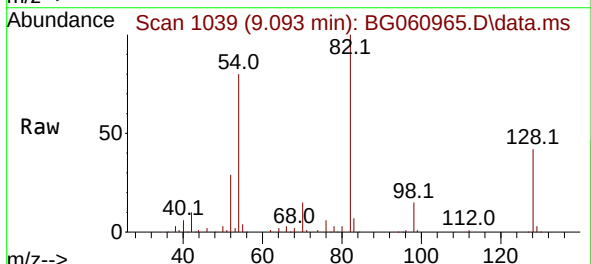
Instrument :
BNA_G
ClientSampleId :

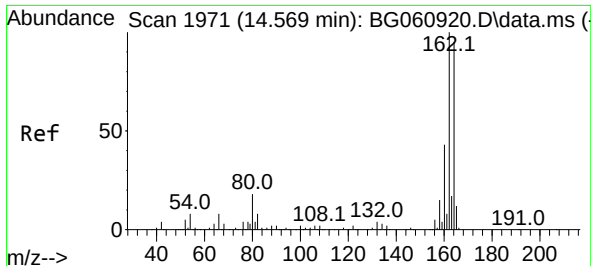
Tgt Ion:136 Resp: 122192
Ion Ratio Lower Upper
136 100
137 9.7 8.8 13.2
54 10.5 9.8 14.8
68 3.2 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 52.179 ng
RT: 9.093 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

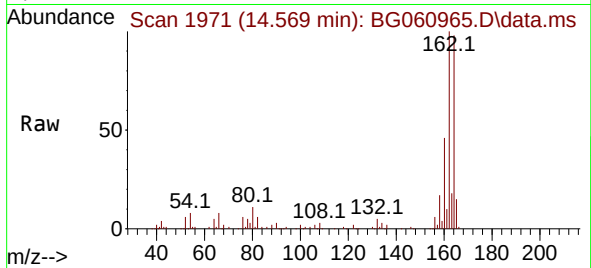
Tgt Ion: 82 Resp: 140445
Ion Ratio Lower Upper
82 100
128 41.5 31.4 47.0
54 79.6 54.2 81.4



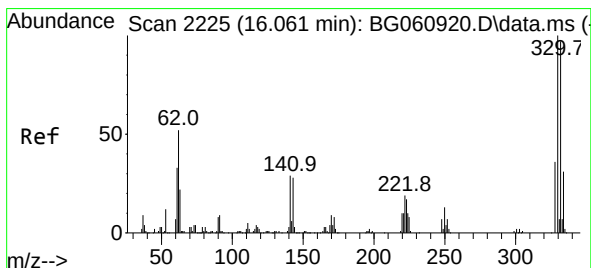
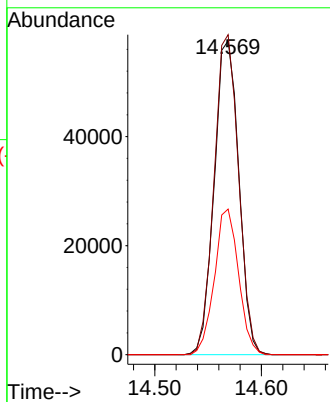
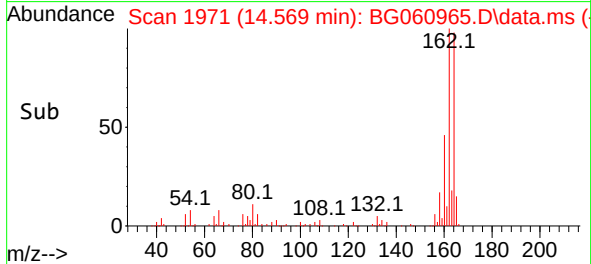


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

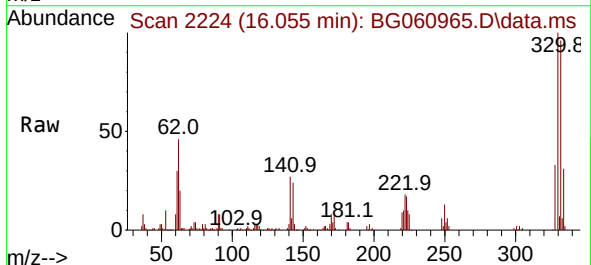
Instrument :
BNA_G
ClientSampleId :



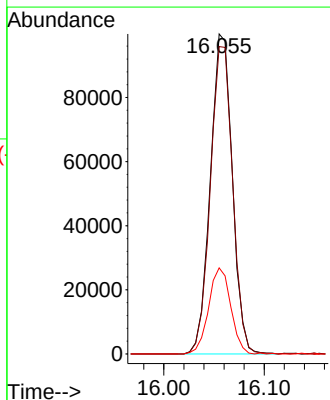
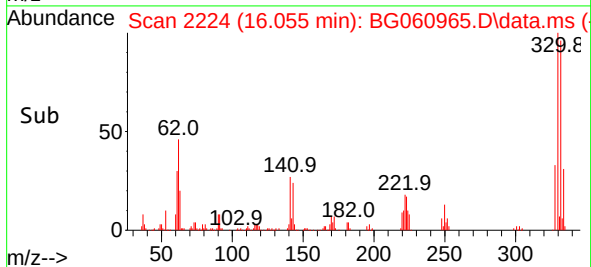
Tgt Ion:164 Resp: 92124
Ion Ratio Lower Upper
164 100
162 102.0 84.1 126.1
160 46.4 35.9 53.9

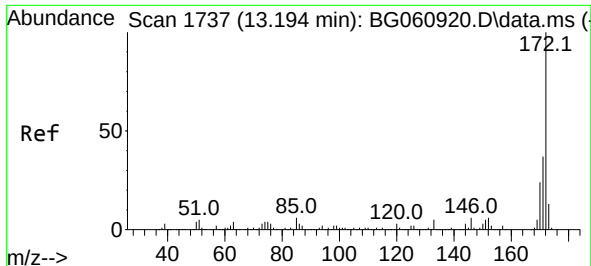


#42
2,4,6-Tribromophenol
Concen: 99.714 ng
RT: 16.055 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59



Tgt Ion:330 Resp: 151757
Ion Ratio Lower Upper
330 100
332 97.5 76.9 115.3
141 27.0 23.7 35.5

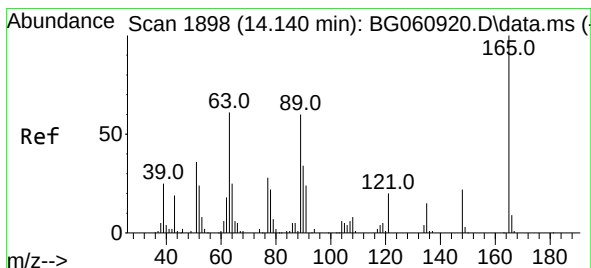
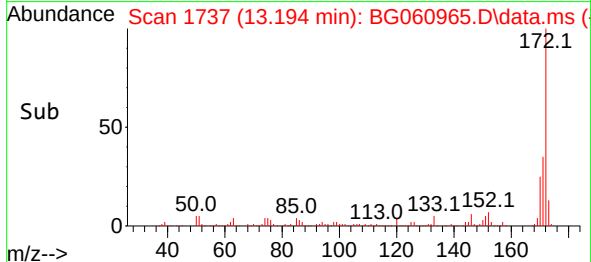
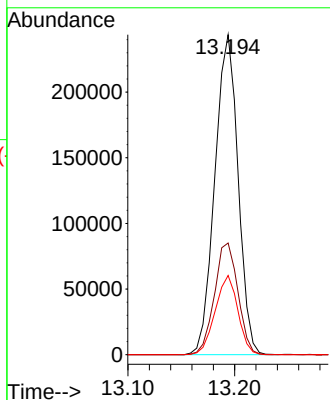
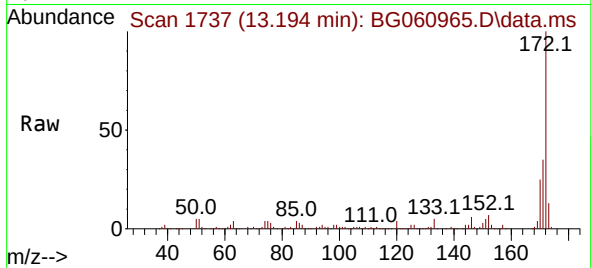




#45
 2-Fluorobiphenyl
 Concen: 58.607 ng
 RT: 13.194 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BG060965.D
 Acq: 19 Apr 2024 18:59

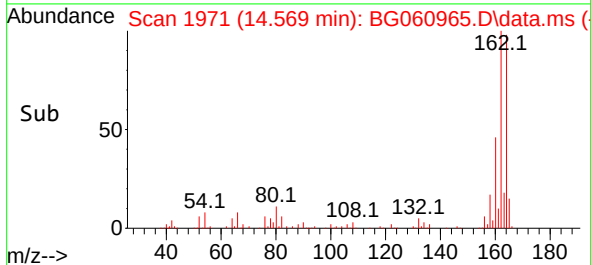
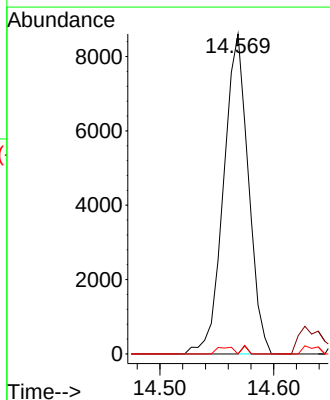
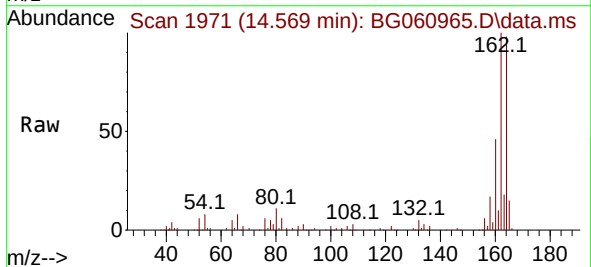
Instrument :
 BNA_G
 ClientSampleId :

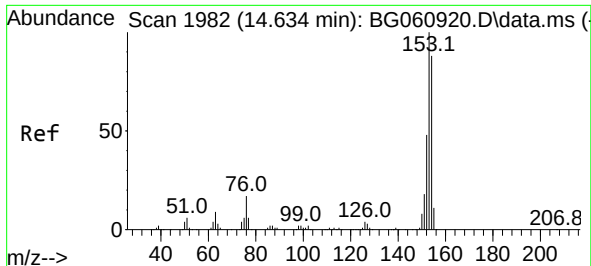
Tgt Ion:172 Resp: 367925
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.3 43.9
 170 24.8 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 8.724 ng
 RT: 14.569 min Scan# 1971
 Delta R.T. 0.428 min
 Lab File: BG060965.D
 Acq: 19 Apr 2024 18:59

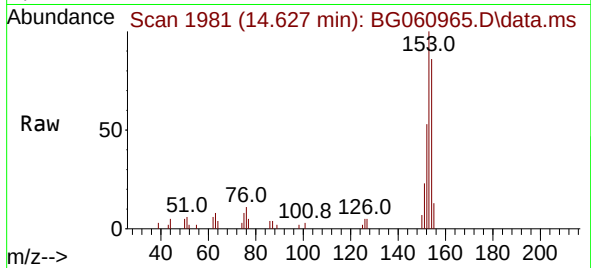
Tgt Ion:165 Resp: 12999
 Ion Ratio Lower Upper
 165 100
 63 0.0 53.8 80.8#
 89 0.0 48.2 72.4#



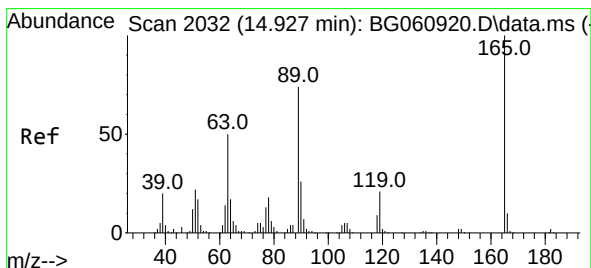
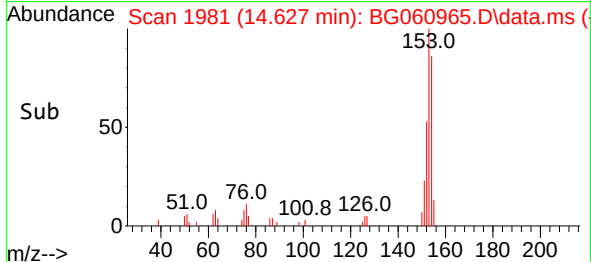
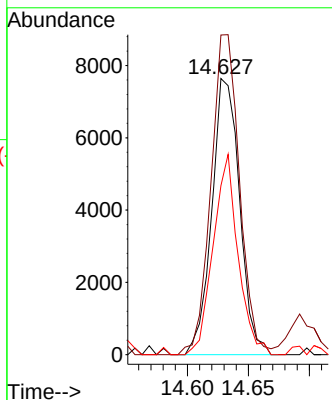


#52
Acenaphthene
Concen: 2.463 ng
RT: 14.627 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Instrument :
BNA_G
ClientSampleId :

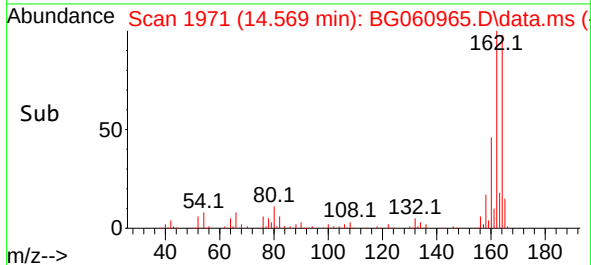
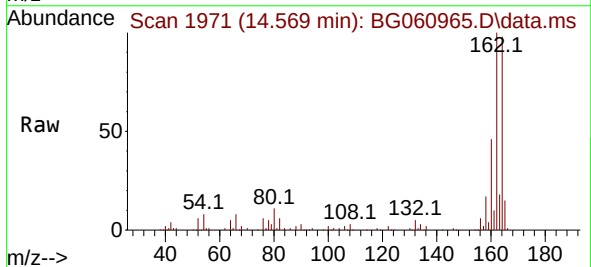
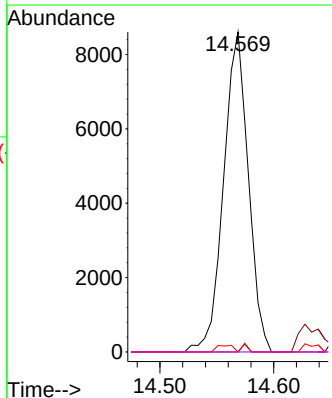


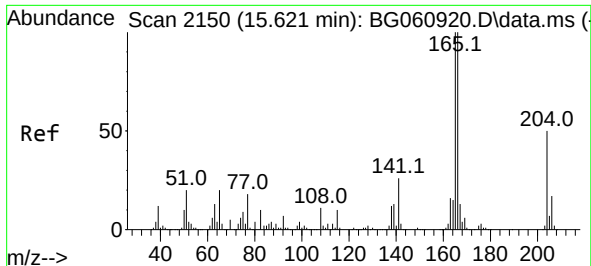
Tgt Ion:154 Resp: 12112
Ion Ratio Lower Upper
154 100
153 115.7 91.4 137.0
152 61.2 44.1 66.1



#57
2,4-Dinitrotoluene
Concen: 6.105 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.359 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

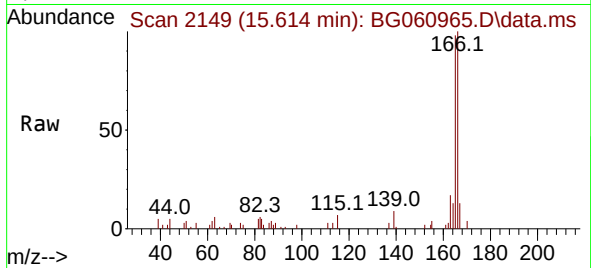
Tgt Ion:165 Resp: 12999
Ion Ratio Lower Upper
165 100
63 0.0 40.2 60.2#
89 0.0 59.0 88.4#
182 0.0 2.1 3.1#



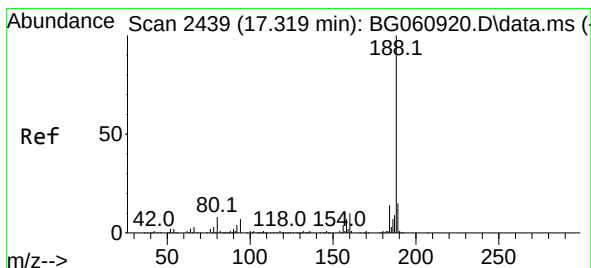
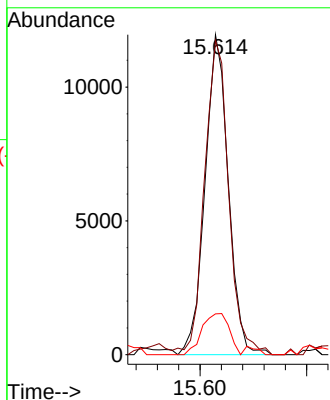
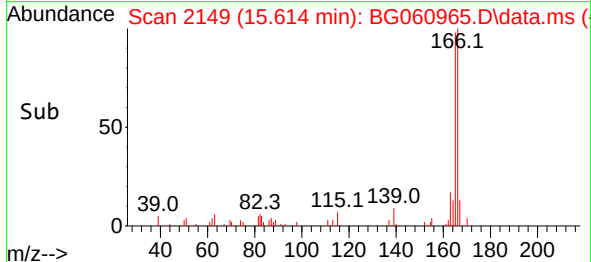


#58
 Fluorene
 Concen: 2.636 ng
 RT: 15.614 min Scan# 2150
 Delta R.T. -0.006 min
 Lab File: BG060965.D
 Acq: 19 Apr 2024 18:59

Instrument :
 BNA_G
 ClientSampleId :

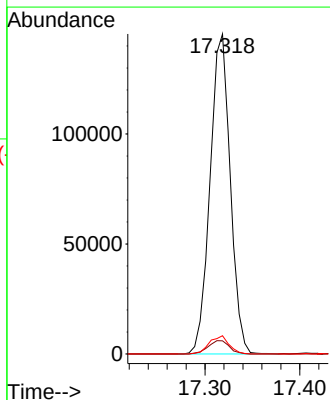
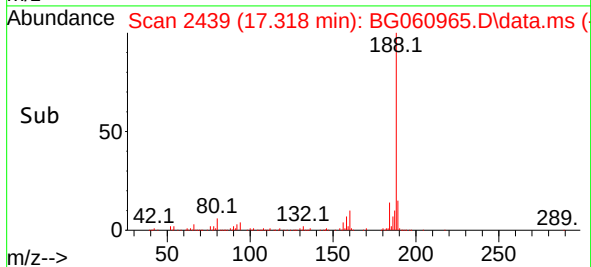
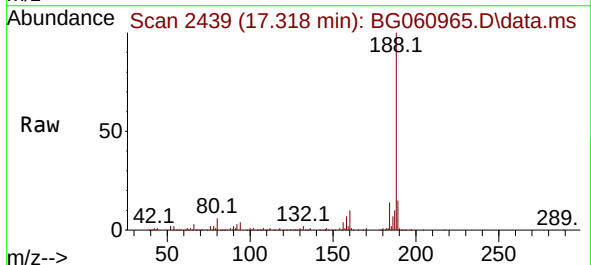


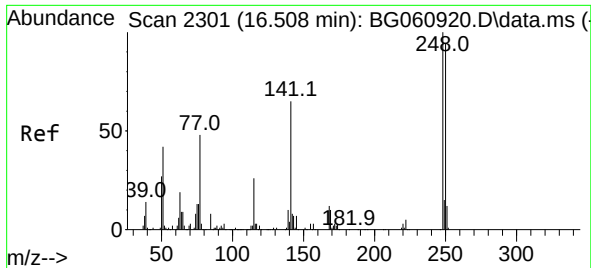
Tgt Ion:166 Resp: 18158
 Ion Ratio Lower Upper
 166 100
 165 98.3 80.2 120.4
 167 12.7 10.4 15.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.318 min Scan# 2439
 Delta R.T. -0.000 min
 Lab File: BG060965.D
 Acq: 19 Apr 2024 18:59

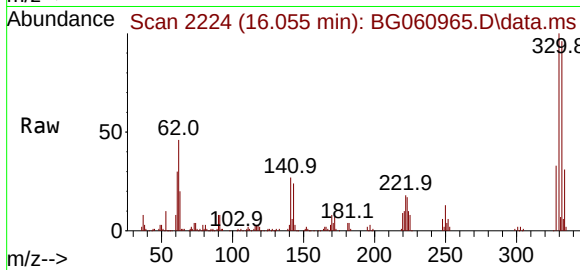
Tgt Ion:188 Resp: 214956
 Ion Ratio Lower Upper
 188 100
 94 4.1 5.7 8.5#
 80 5.7 6.6 9.8#



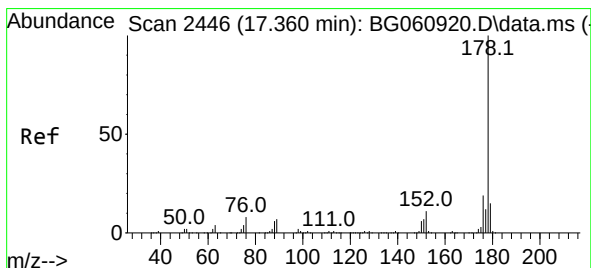
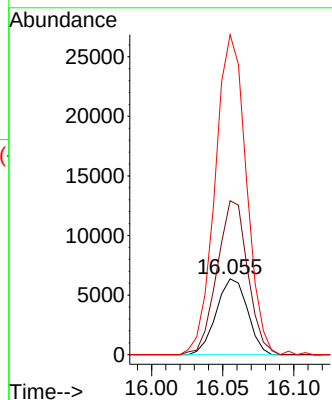
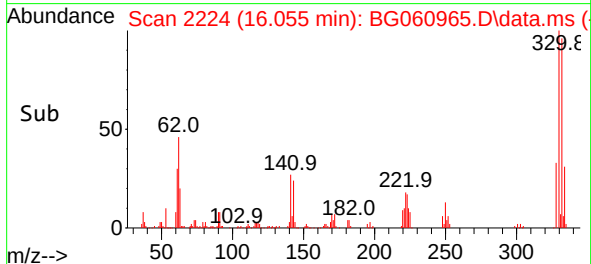


#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 16.055 min Scan# 211
Delta R.T. -0.453 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Instrument :
BNA_G
ClientSampleId :

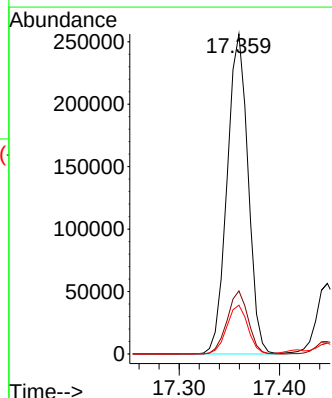
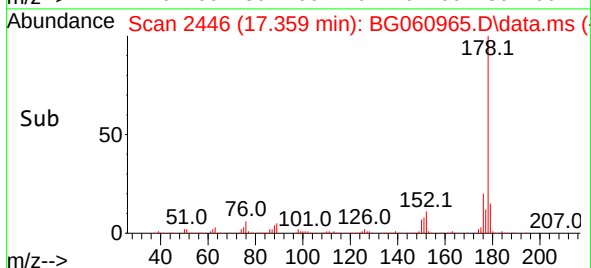
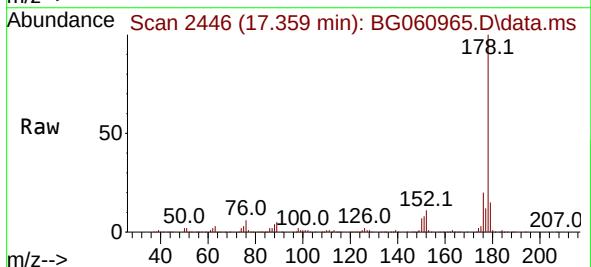


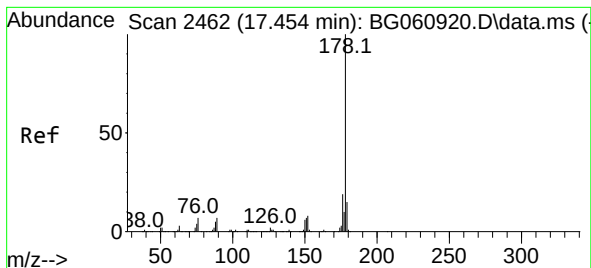
Tgt Ion:248 Resp: 9737
Ion Ratio Lower Upper
248 100
250 202.9 75.4 113.2#
141 421.5 52.2 78.2#



#71
Phenanthrene
Concen: 34.164 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Tgt Ion:178 Resp: 371717
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.3 12.0 18.0





#72

Anthracene

Concen: 7.350 ng

RT: 17.448 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

Instrument :

BNA_G

ClientSampleId :

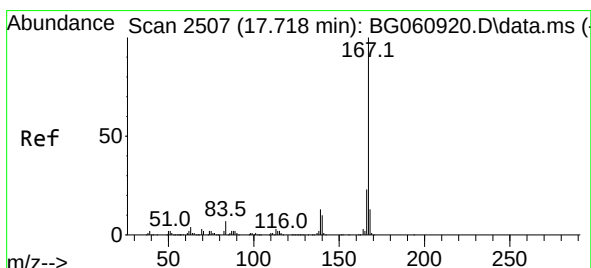
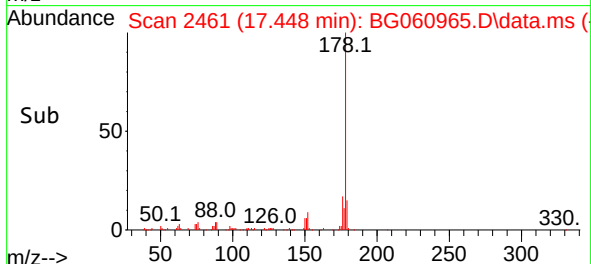
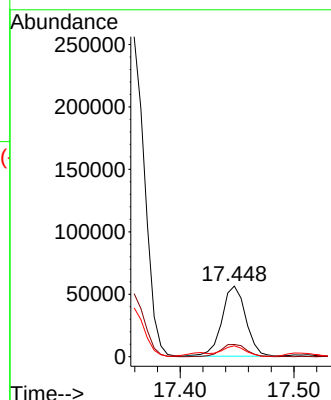
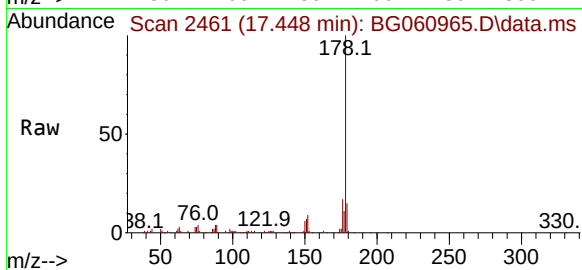
Tgt Ion:178 Resp: 82151

Ion Ratio Lower Upper

178 100

176 17.3 15.0 22.4

179 15.3 11.6 17.4



#73

Carbazole

Concen: 4.144 ng

RT: 17.712 min Scan# 2506

Delta R.T. -0.006 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

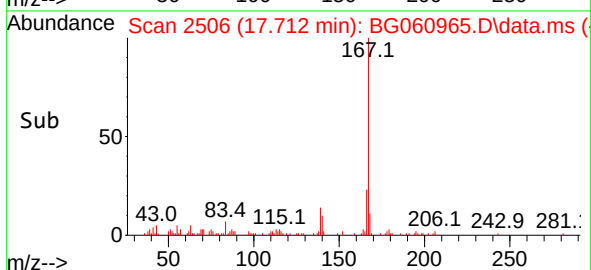
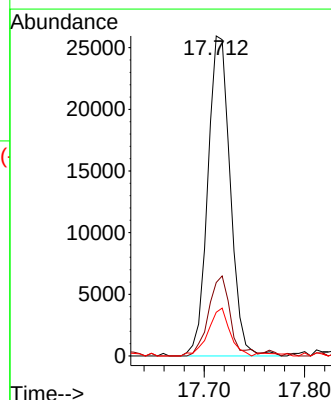
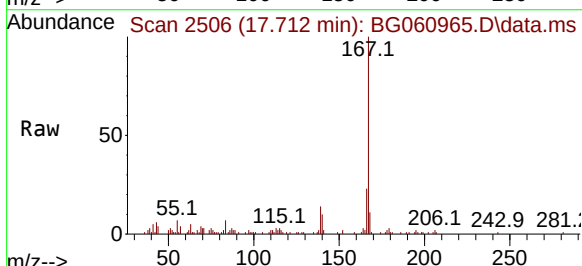
Tgt Ion:167 Resp: 40348

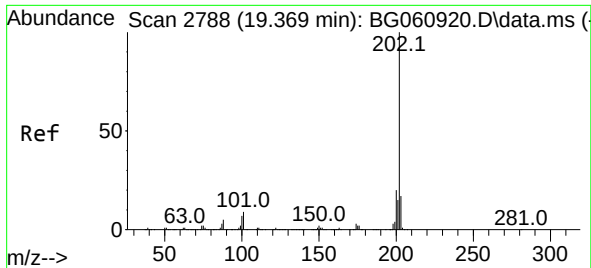
Ion Ratio Lower Upper

167 100

166 23.0 18.4 27.6

139 13.7 10.1 15.1

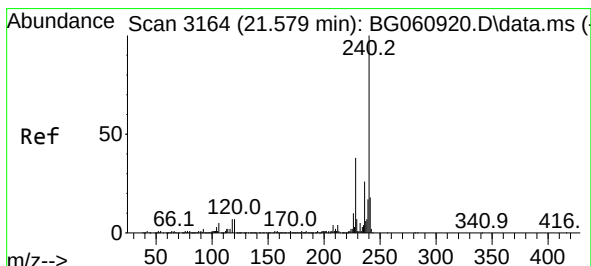
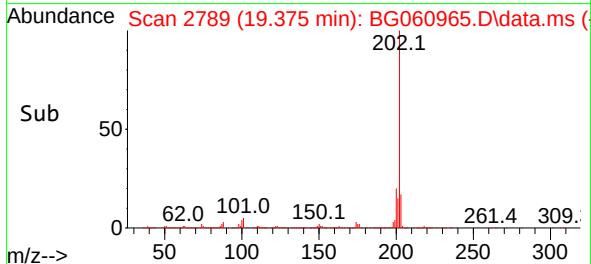
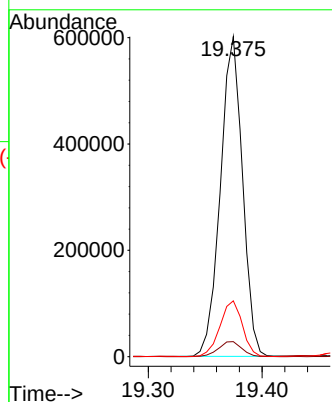
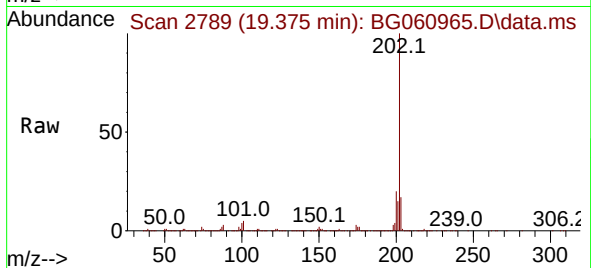




#75
Fluoranthene
Concen: 58.687 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

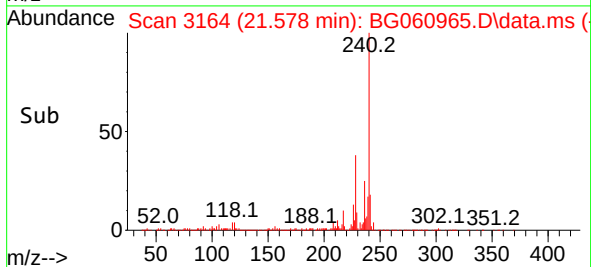
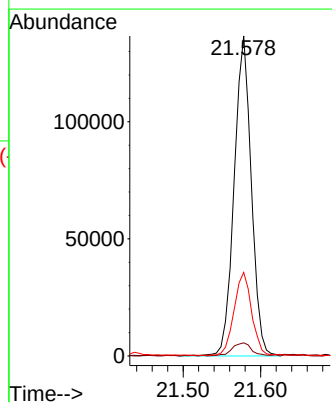
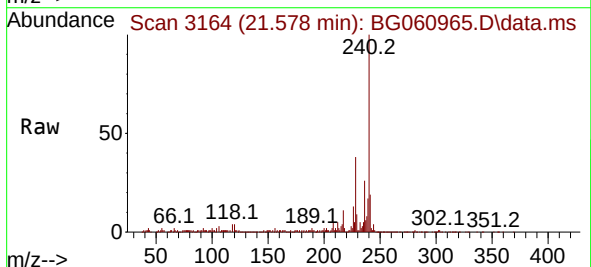
Instrument :
BNA_G
ClientSampleId :

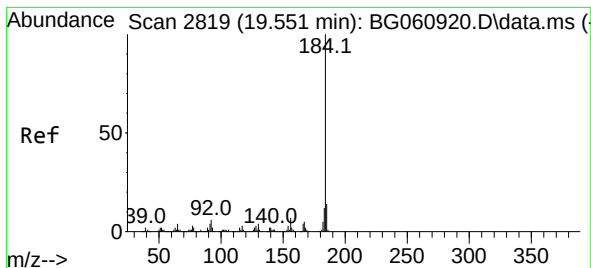
Tgt Ion:202 Resp: 812754
Ion Ratio Lower Upper
202 100
101 4.7 0.0 28.6
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Tgt Ion:240 Resp: 210535
Ion Ratio Lower Upper
240 100
120 4.9 5.7 8.5#
236 26.1 21.1 31.7





#77

Benzidine

Concen: 2.594 ng

RT: 19.939 min Scan# 2885

Delta R.T. 0.387 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

Instrument :

BNA_G

ClientSampleId :

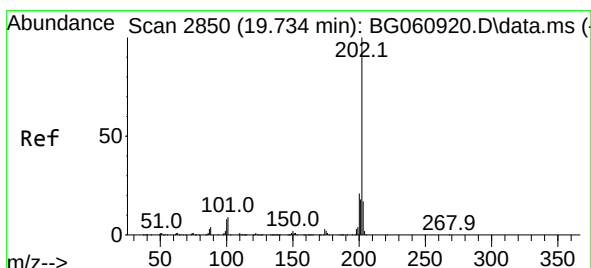
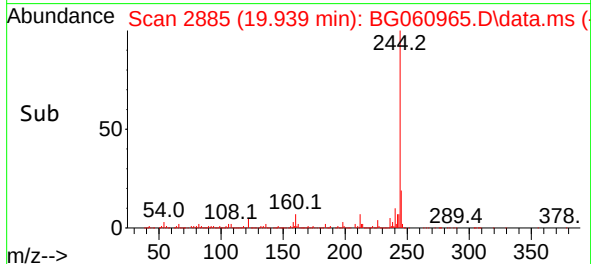
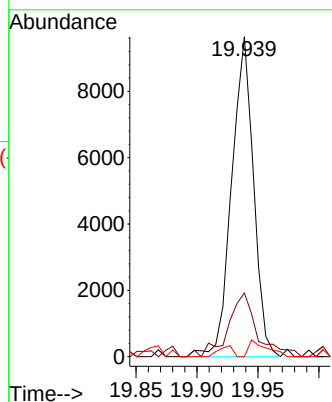
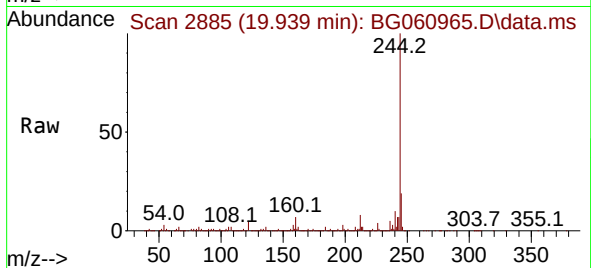
Tgt Ion:184 Resp: 12044

Ion Ratio Lower Upper

184 100

185 19.9 11.4 17.0#

183 0.0 9.4 14.2#



#78

Pyrene

Concen: 48.594 ng

RT: 19.733 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

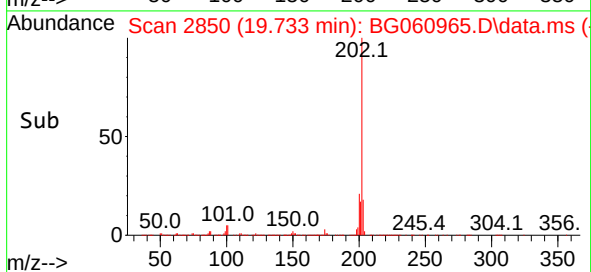
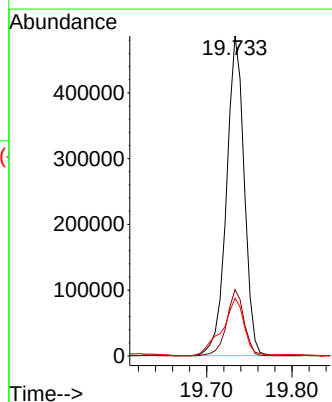
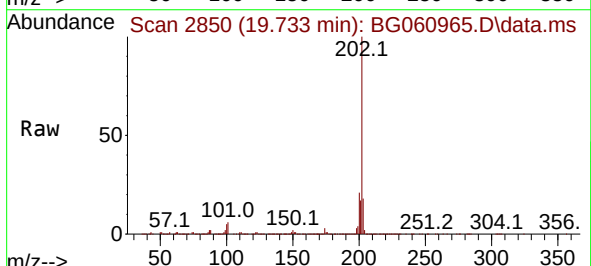
Tgt Ion:202 Resp: 701818

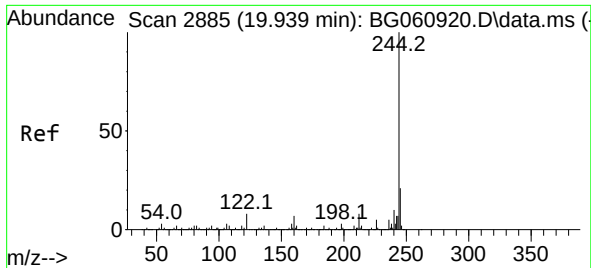
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

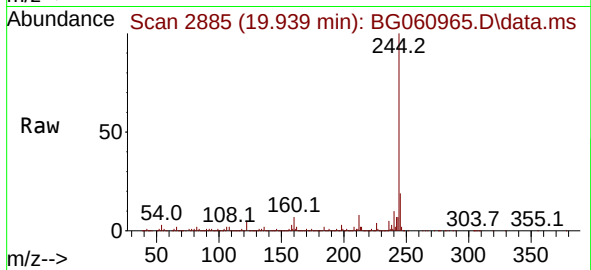
203 18.1 13.8 20.8



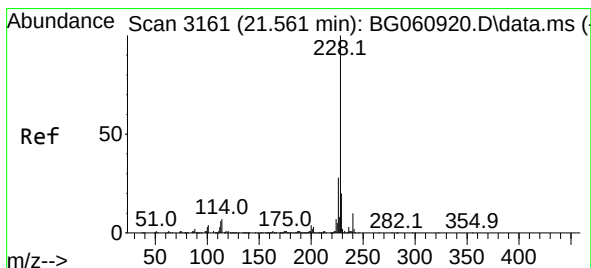
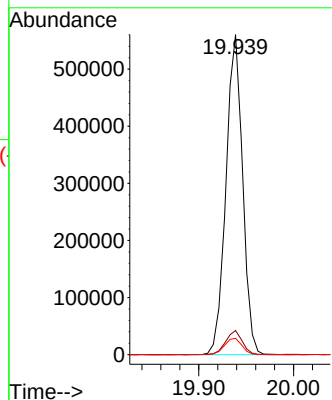
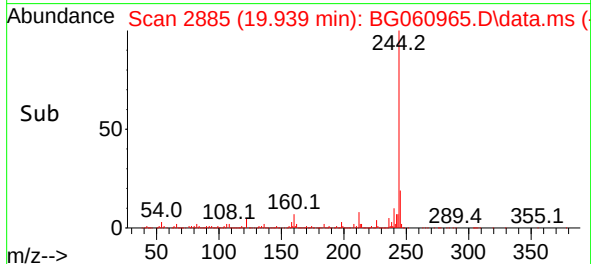


#79
Terphenyl-d14
Concen: 56.750 ng
RT: 19.939 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Instrument :
BNA_G
ClientSampleId :

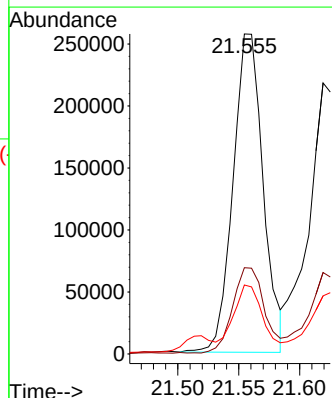
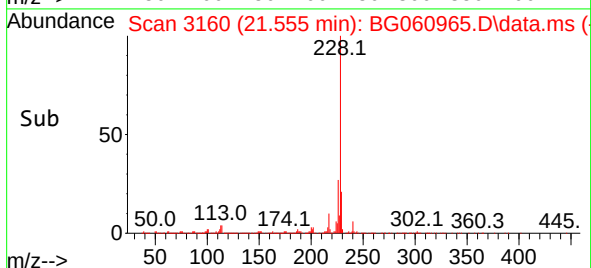
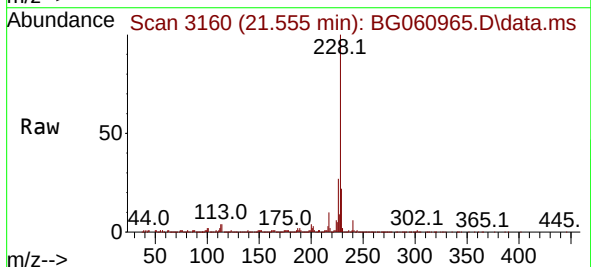


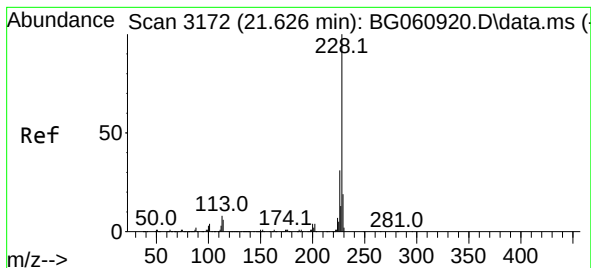
Tgt Ion:244 Resp: 684593
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 5.1 6.6 9.8#



#81
Benzo(a)anthracene
Concen: 29.617 ng
RT: 21.555 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Tgt Ion:228 Resp: 440311
Ion Ratio Lower Upper
228 100
226 26.9 22.0 33.0
229 21.5 15.6 23.4





#83

Chrysene

Concen: 28.156 ng

RT: 21.619 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

Instrument :

BNA_G

ClientSampleId :

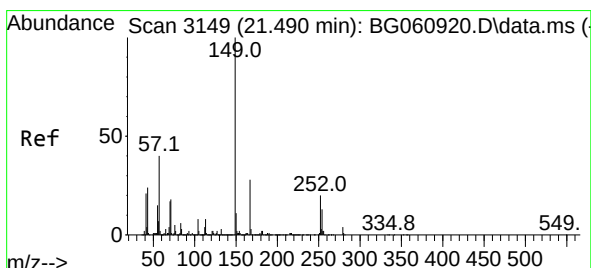
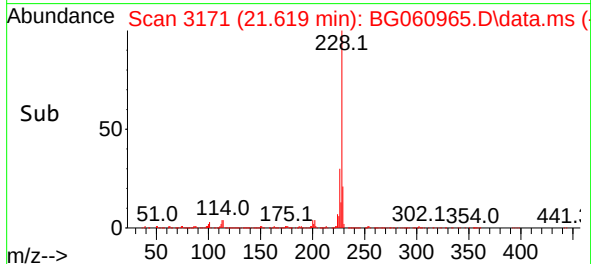
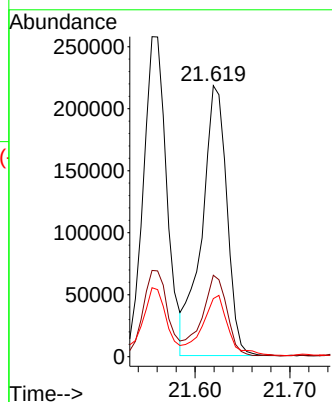
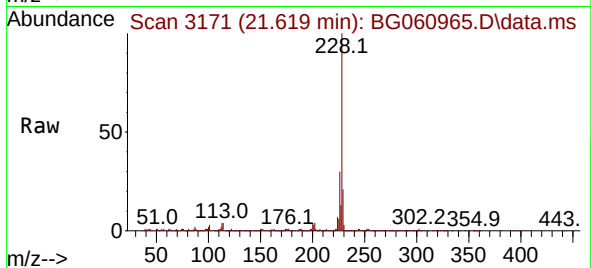
Tgt Ion:228 Resp: 399666

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 21.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.281 ng

RT: 21.490 min Scan# 3149

Delta R.T. -0.000 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

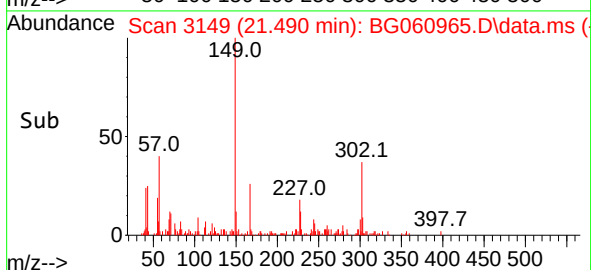
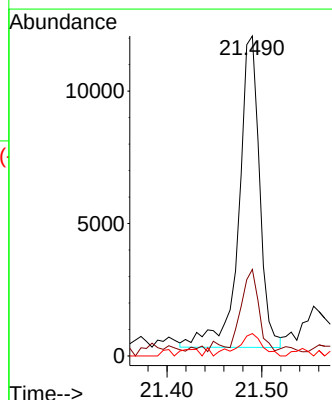
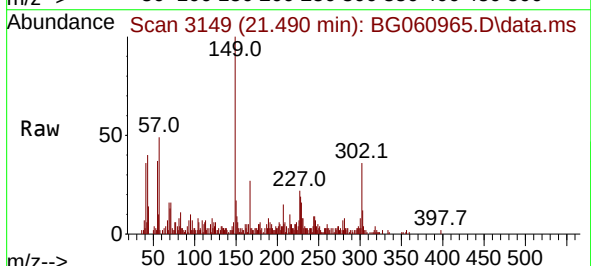
Tgt Ion:149 Resp: 17890

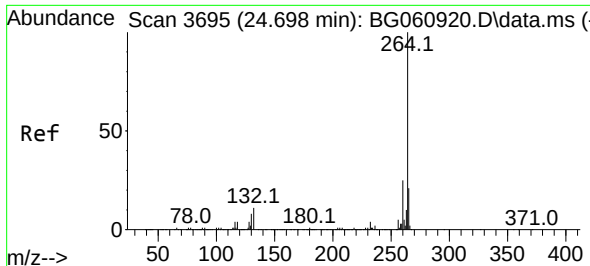
Ion Ratio Lower Upper

149 100

167 27.0 22.4 33.6

279 7.0 3.2 4.8#



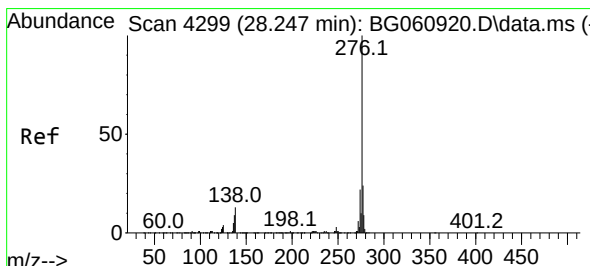
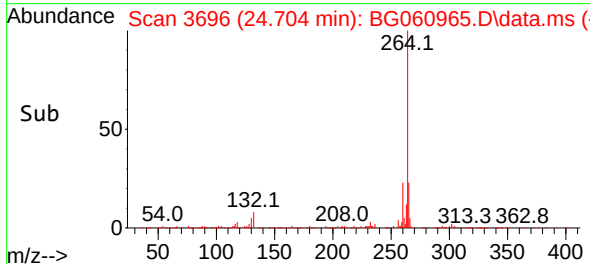
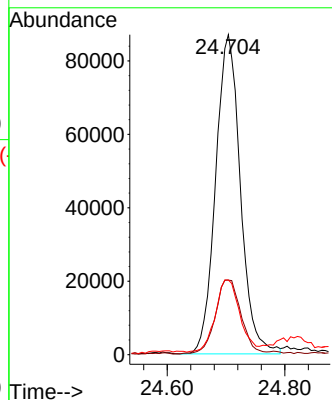
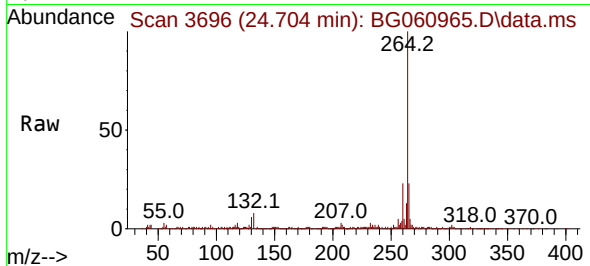


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.704 min Scan# 3696
Delta R.T. 0.005 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 253721

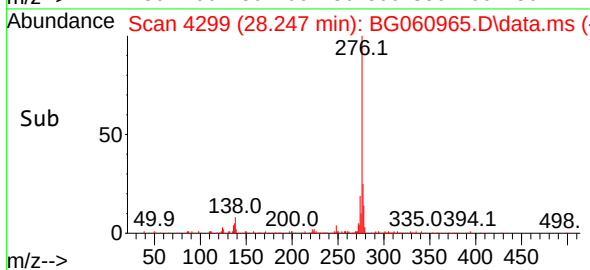
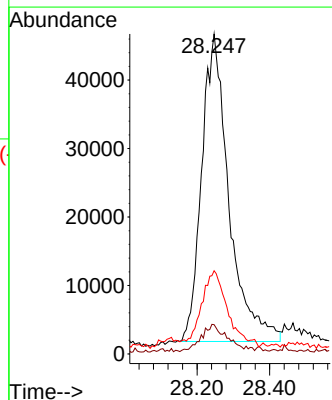
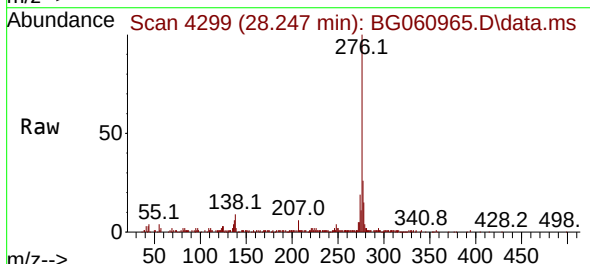
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	23.3	16.6	25.0

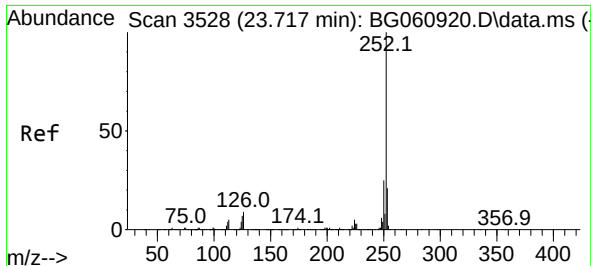


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.357 ng
RT: 28.247 min Scan# 4299
Delta R.T. -0.000 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Tgt Ion:276 Resp: 234344

Ion	Ratio	Lower	Upper
276	100		
138	8.1	10.8	16.2
277	20.3	20.3	30.5

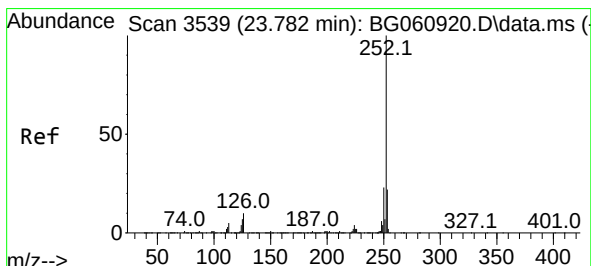
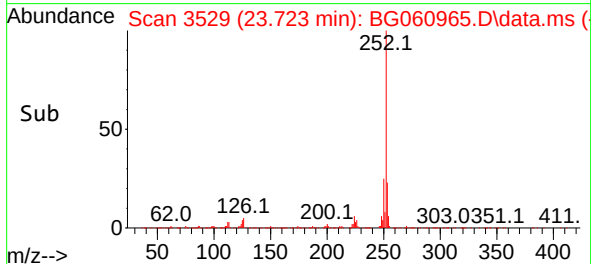
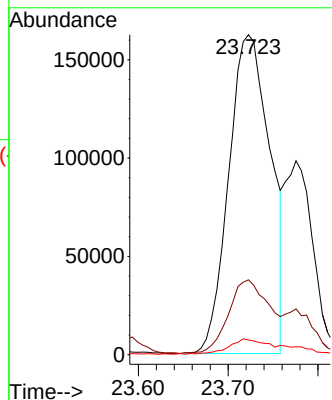
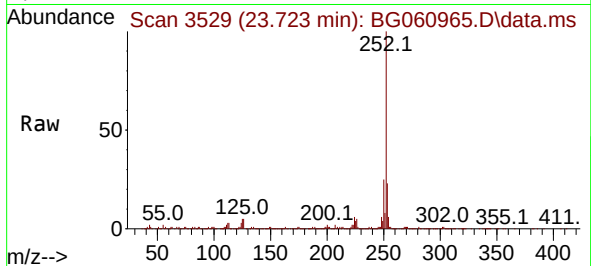




#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 23.723 min Scan# 3529
Delta R.T. 0.005 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

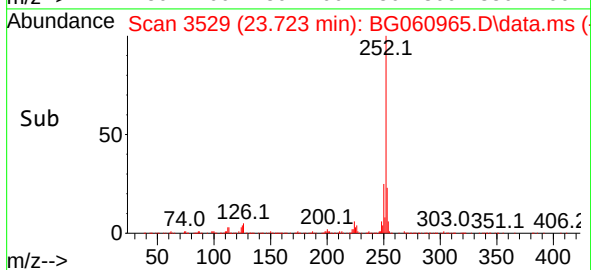
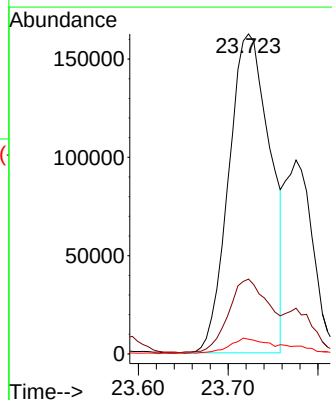
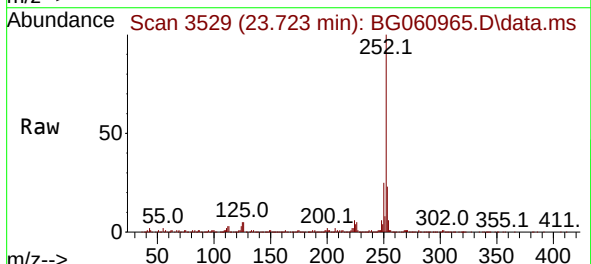
Instrument :
BNA_G
ClientSampleId :

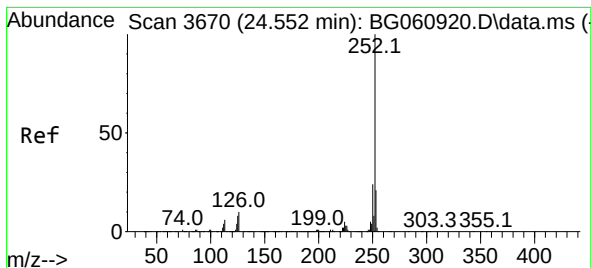
Tgt Ion:252 Resp: 520162
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 4.6 5.6 8.4#



#89
Benzo(k)fluoranthene
Concen: 35.420 ng
RT: 23.723 min Scan# 3529
Delta R.T. -0.059 min
Lab File: BG060965.D
Acq: 19 Apr 2024 18:59

Tgt Ion:252 Resp: 520162
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 4.6 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 26.470 ng

RT: 24.557 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

Instrument :

BNA_G

ClientSampleId :

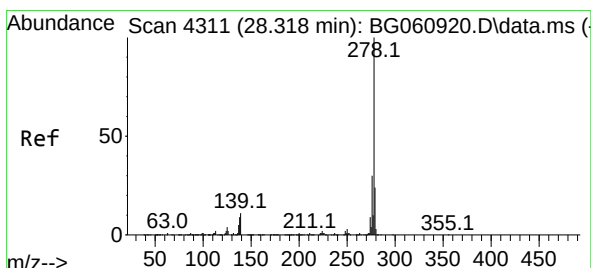
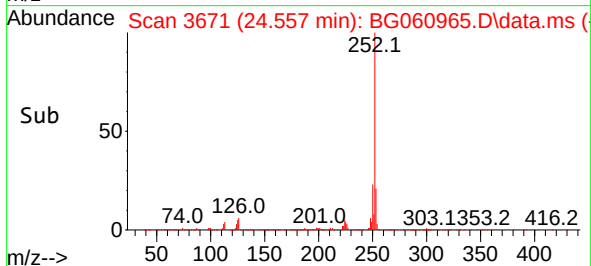
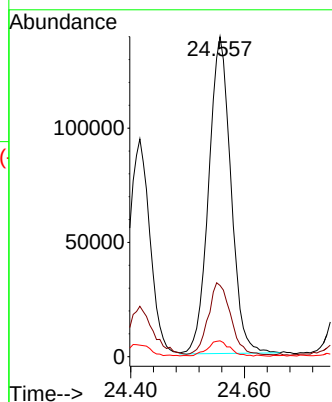
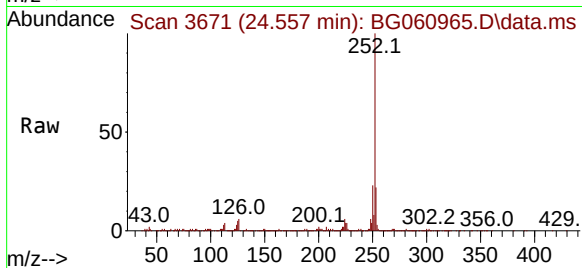
Tgt Ion:252 Resp: 374640

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 4.9 6.1 9.1#



#91

Dibenzo(a,h)anthracene

Concen: 2.248 ng

RT: 28.282 min Scan# 4305

Delta R.T. -0.036 min

Lab File: BG060965.D

Acq: 19 Apr 2024 18:59

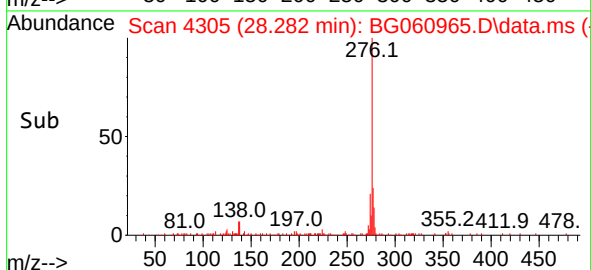
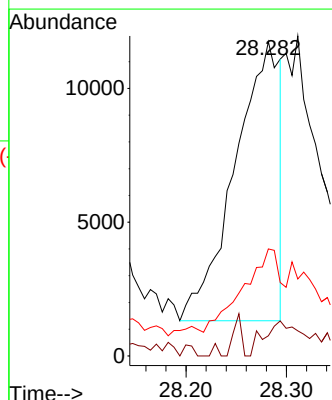
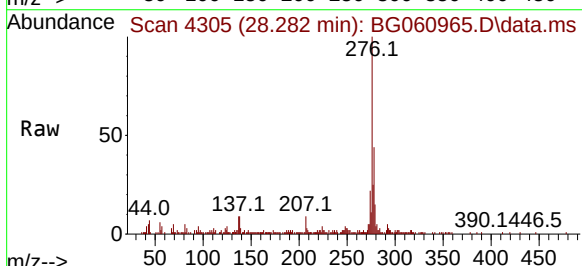
Tgt Ion:278 Resp: 32464

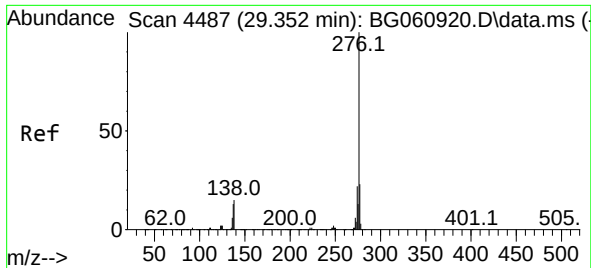
Ion Ratio Lower Upper

278 100

139 6.4 8.6 12.8#

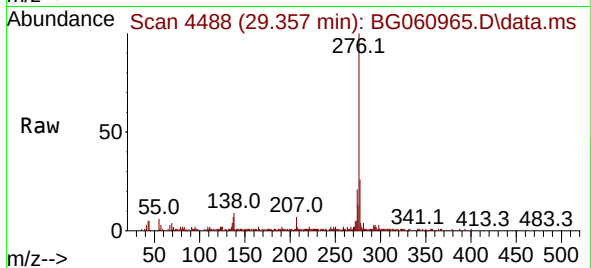
279 34.1 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 14.828 ng
 RT: 29.357 min Scan# 44
 Delta R.T. 0.005 min
 Lab File: BG060965.D
 Acq: 19 Apr 2024 18:59

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:276 Resp: 209367
 Ion Ratio Lower Upper
 276 100
 277 25.9 18.3 27.5
 138 9.2 12.2 18.4#

