

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060964.D
 Acq On : 19 Apr 2024 18:17
 Operator : MA/JU
 Sample : P2126-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 19 18:51:54 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)

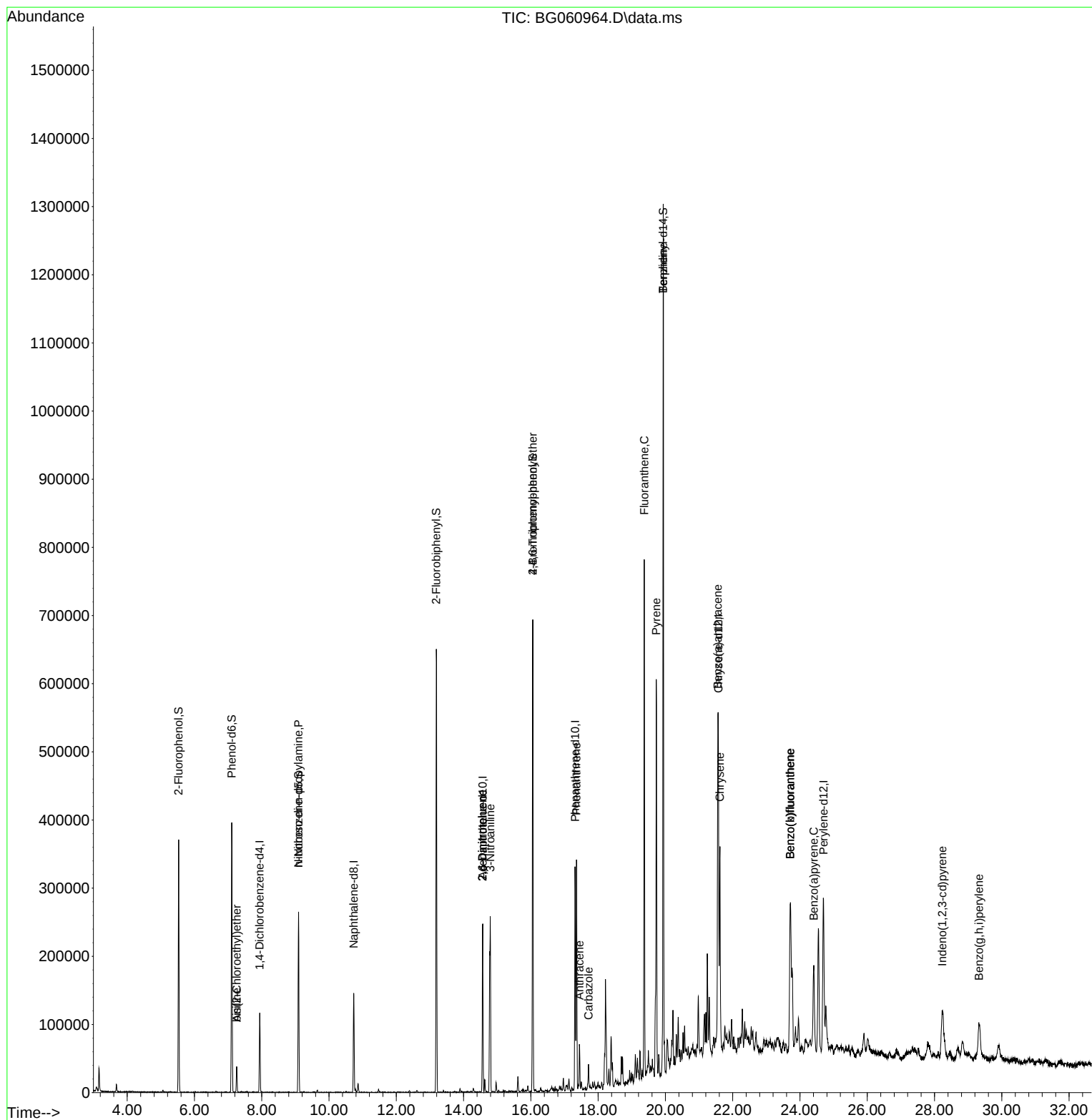
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	31147	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	114684	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	90796	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	208591	20.000	ng	# 0.00
76) Chrysene-d12	21.573	240	207661	20.000	ng	# 0.00
86) Perylene-d12	24.699	264	254659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	128986	71.932	ng	0.00
7) Phenol-d6	7.108	99	172118	66.629	ng	0.00
23) Nitrobenzene-d5	9.094	82	128600	50.906	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	141991	94.662	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	335113	54.162	ng	0.00
79) Terphenyl-d14	19.934	244	642238	53.975	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.255	93	12385	3.935	ng	# 46
11) bis(2-Chloroethyl)ether	7.255	93	12385	6.167	ng	# 15
19) n-Nitroso-di-n-propyla...	9.094	70	19700	10.012	ng	# 79
51) 2,6-Dinitrotoluene	14.564	165	11524	7.848	ng	# 20
53) 3-Nitroaniline	14.793	138	3309	2.053	ng	# 1
57) 2,4-Dinitrotoluene	14.564	165	11524	5.492	ng	# 22
67) 4-Bromophenyl-phenylether	16.056	248	9222	3.947	ng	# 1
71) Phenanthrene	17.355	178	218577	20.702	ng	97
72) Anthracene	17.443	178	45584	4.203	ng	97
73) Carbazole	17.713	167	23350	2.471	ng	99
75) Fluoranthene	19.370	202	464997	34.601	ng	96
77) Benzidine	19.934	184	11032	2.409	ng	# 84
78) Pyrene	19.729	202	388893	27.300	ng	98
81) Benzo(a)anthracene	21.556	228	241521	16.470	ng	98
83) Chrysene	21.620	228	214733	15.337	ng	98
87) Indeno(1,2,3-cd)pyrene	28.230	276	141639	8.043	ng	# 90
88) Benzo(b)fluoranthene	23.712	252	298246	20.700	ng	# 96
89) Benzo(k)fluoranthene	23.712	252	298246	20.234	ng	# 98
90) Benzo(a)pyrene	24.411	252	142252	10.014	ng	95
92) Benzo(g,h,i)perylene	29.323	276	59175	4.176	ng	# 89

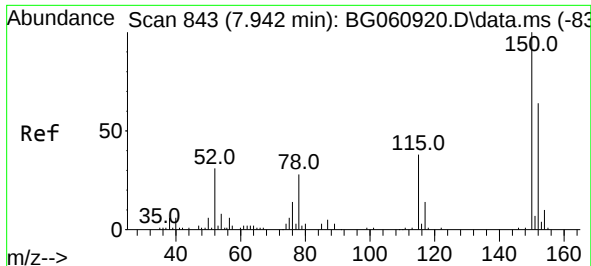
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
Data File : BG060964.D
Acq On : 19 Apr 2024 18:17
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

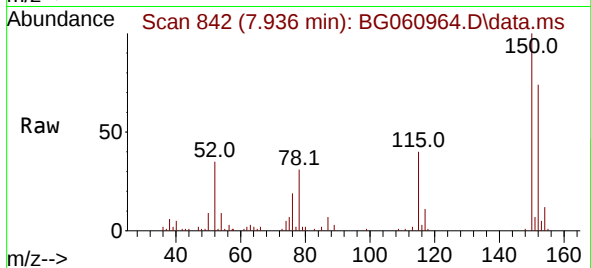
Quant Time: Apr 19 18:51:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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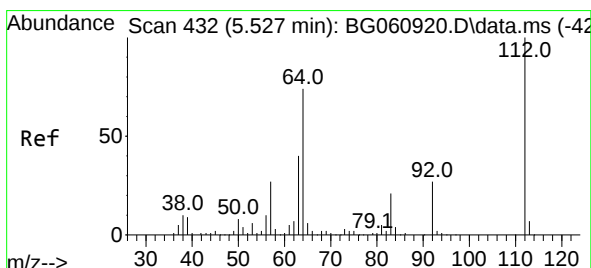
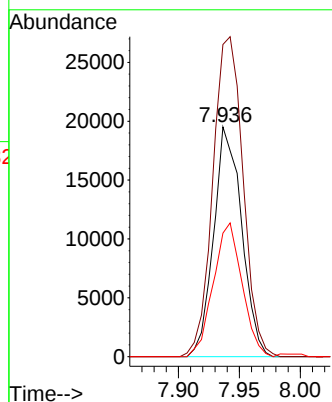
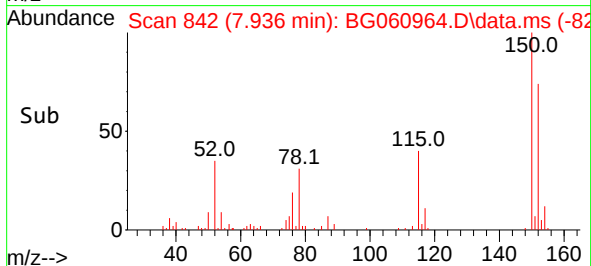


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.936 min Scan# 84
 Delta R.T. -0.006 min
 Lab File: BG060964.D
 Acq: 19 Apr 2024 18:17

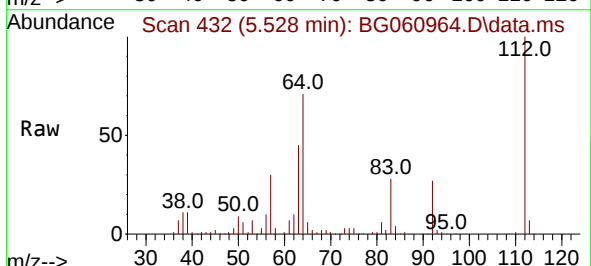
Instrument :
 BNA_G
 ClientSampleId :



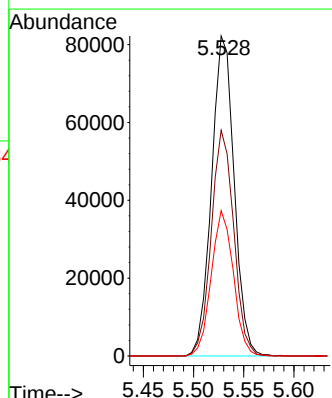
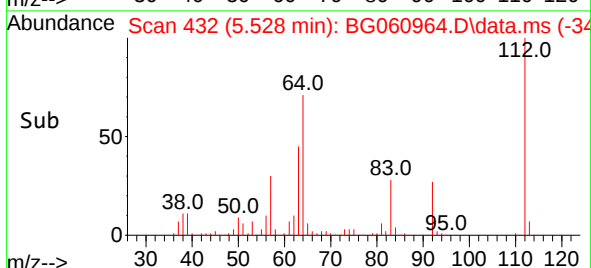
Tgt Ion:152 Resp: 31147
 Ion Ratio Lower Upper
 152 100
 150 135.9 125.6 188.4
 115 53.8 47.1 70.7

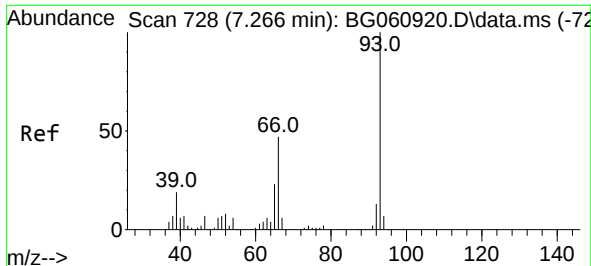


#5
 2-Fluorophenol
 Concen: 71.932 ng
 RT: 5.528 min Scan# 432
 Delta R.T. 0.001 min
 Lab File: BG060964.D
 Acq: 19 Apr 2024 18:17



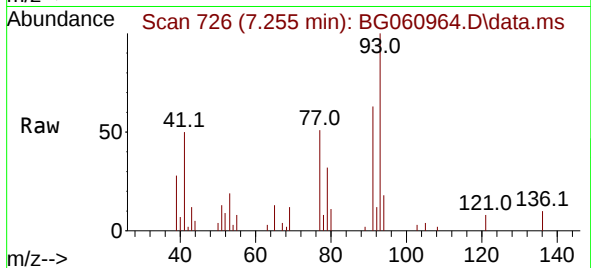
Tgt Ion:112 Resp: 128986
 Ion Ratio Lower Upper
 112 100
 64 70.5 58.9 88.3
 63 45.4 32.1 48.1



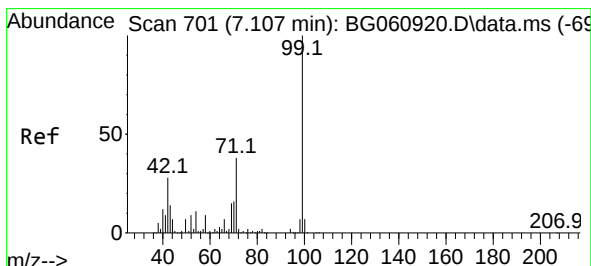
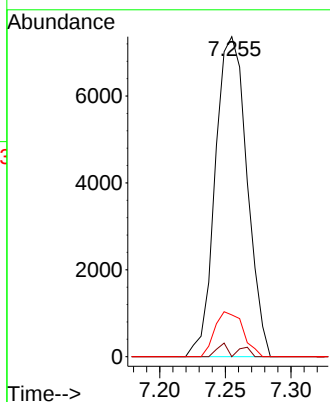
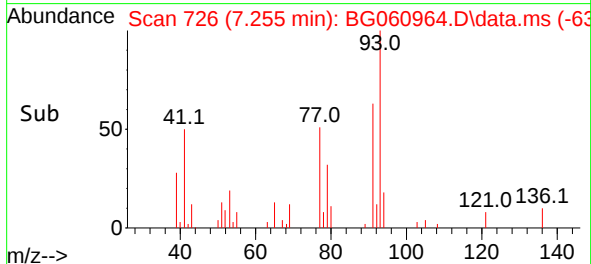


#6
Aniline
Concen: 3.935 ng
RT: 7.255 min Scan# 71
Delta R.T. -0.011 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

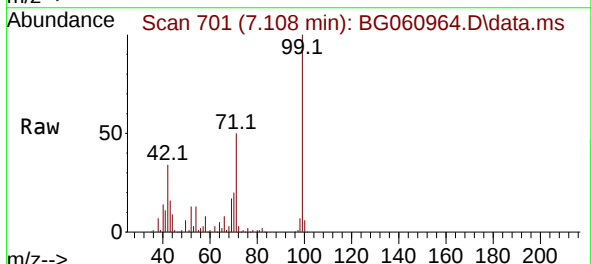
Instrument :
BNA_G
ClientSampleId :



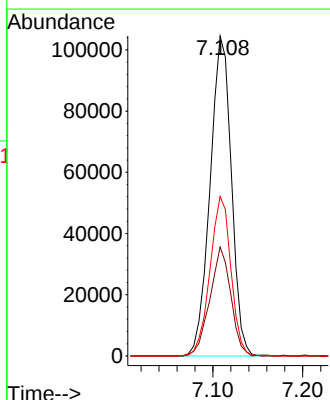
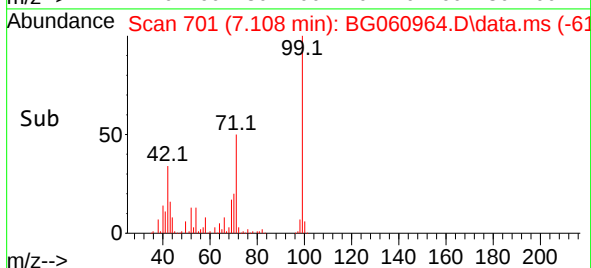
Tgt Ion: 93 Resp: 12385
Ion Ratio Lower Upper
93 100
66 0.0 37.8 56.8#
65 13.1 18.7 28.1#

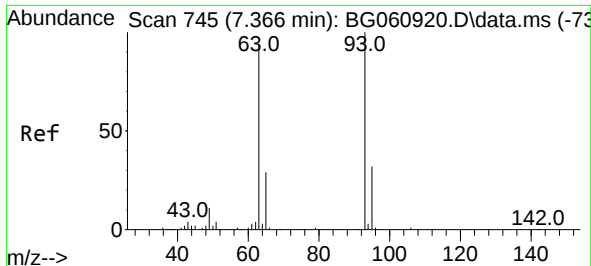


#7
Phenol-d6
Concen: 66.629 ng
RT: 7.108 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17



Tgt Ion: 99 Resp: 172118
Ion Ratio Lower Upper
99 100
42 34.0 22.2 33.2#
71 49.9 30.5 45.7#

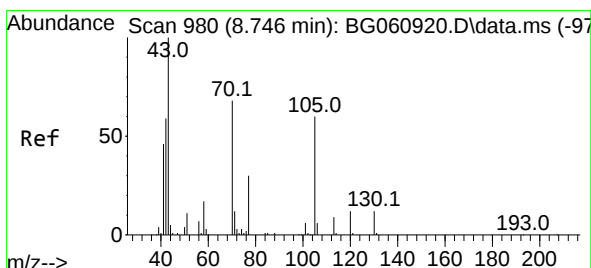
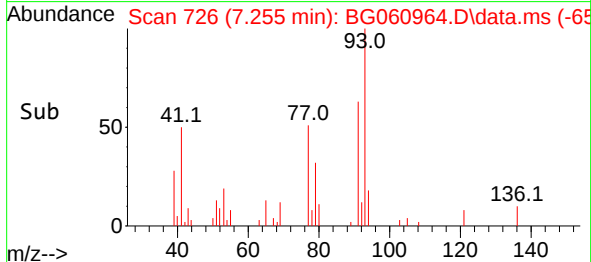
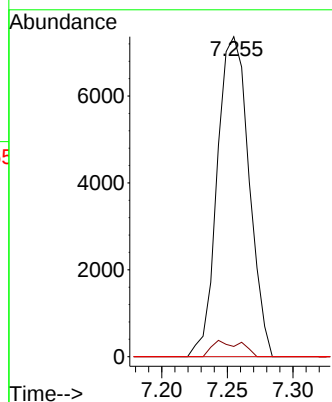
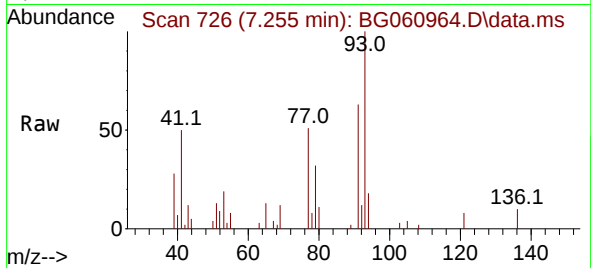




#11
bis(2-Chloroethyl)ether
Concen: 6.167 ng
RT: 7.255 min Scan# 71
Delta R.T. -0.111 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

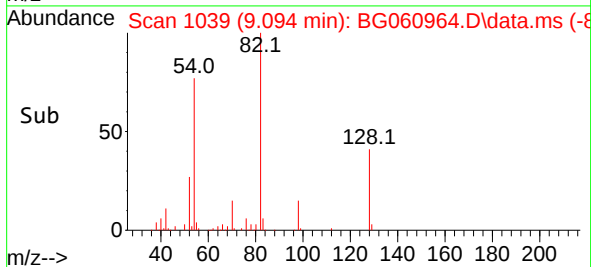
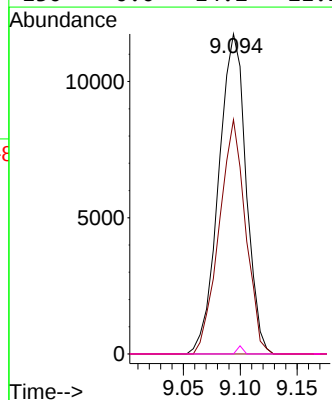
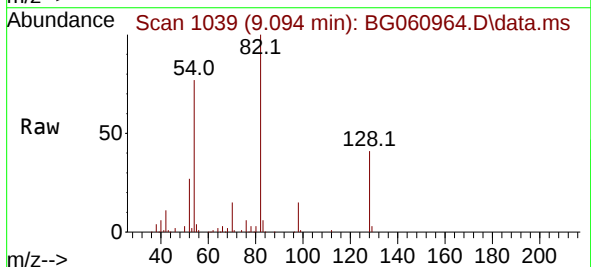
Instrument :
BNA_G
ClientSampleId :

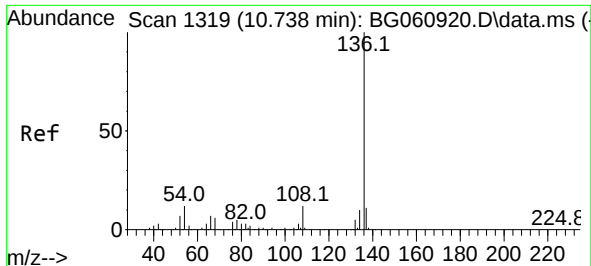
Tgt Ion: 93 Resp: 12385
Ion Ratio Lower Upper
93 100
63 3.2 74.0 114.0#
95 0.0 12.7 52.7#



#19
n-Nitroso-di-n-propylamine
Concen: 10.012 ng
RT: 9.094 min Scan# 1039
Delta R.T. 0.347 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion: 70 Resp: 19700
Ion Ratio Lower Upper
70 100
42 73.2 70.9 106.3
101 0.0 7.0 10.4#
130 0.0 14.2 21.2#

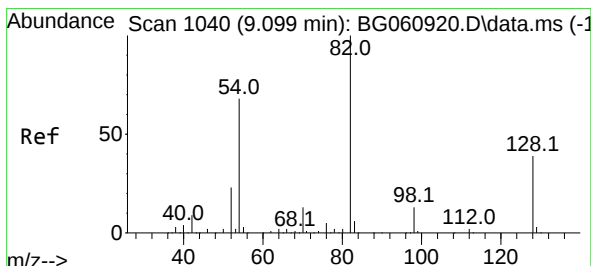
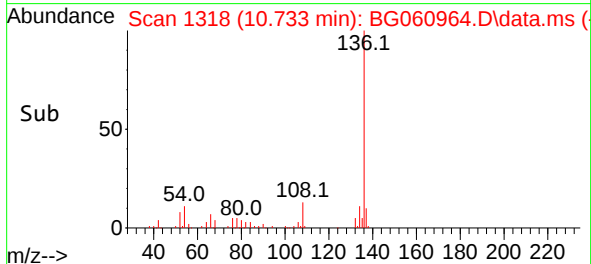
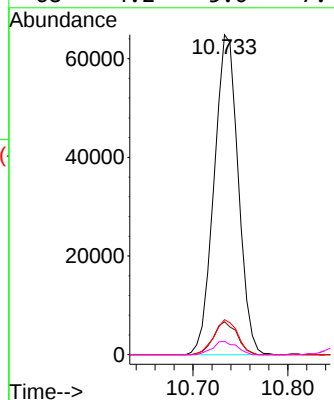
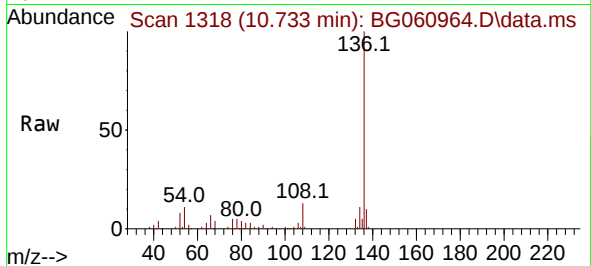




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

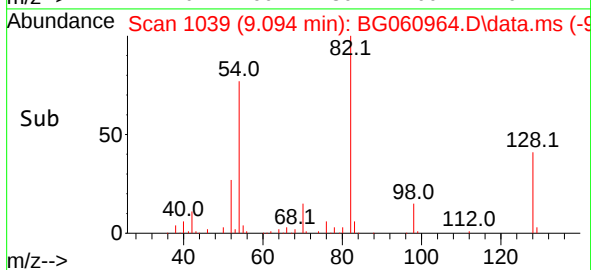
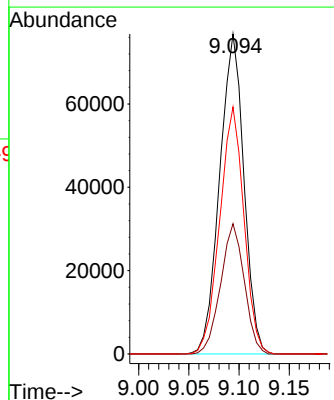
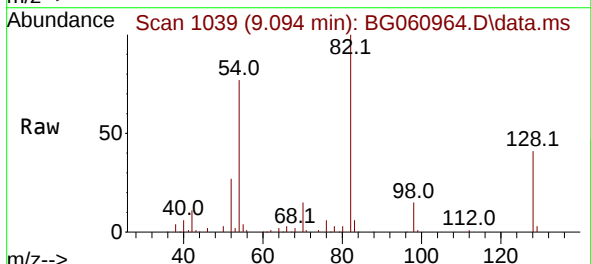
Instrument :
BNA_G
ClientSampleId :

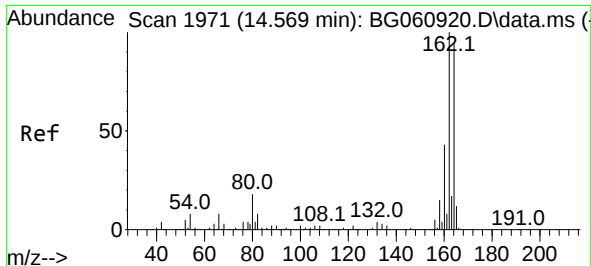
Tgt Ion:136 Resp: 114684
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 11.0 9.8 14.8
68 4.2 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 50.906 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion: 82 Resp: 128600
Ion Ratio Lower Upper
82 100
128 40.7 31.4 47.0
54 77.1 54.2 81.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.570 min Scan# 1971

Delta R.T. 0.001 min

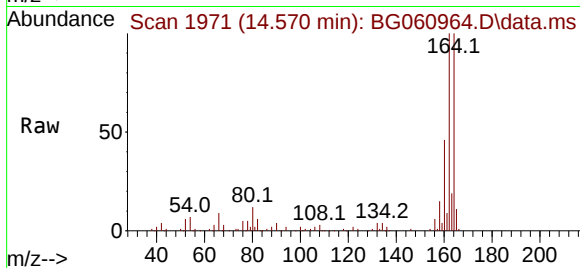
Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

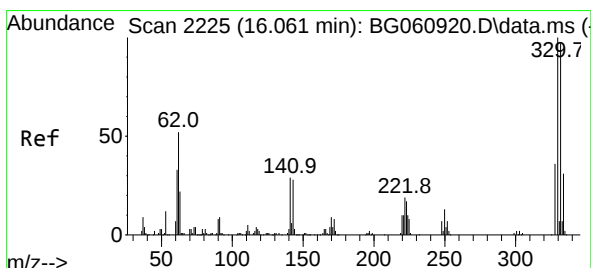
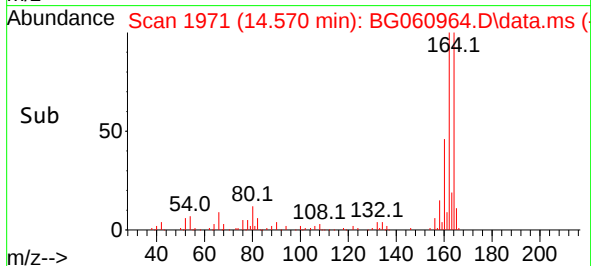
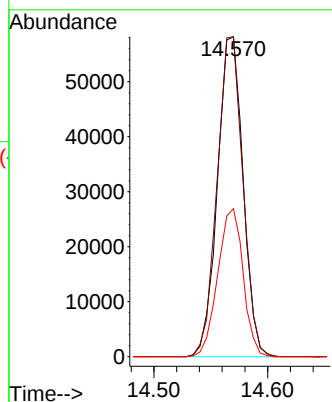
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	164	Resp:	90796
Ion Ratio	Lower	Upper	
164	100		
162	100.0	84.1	126.1
160	46.3	35.9	53.9



#42

2,4,6-Tribromophenol

Concen: 94.662 ng

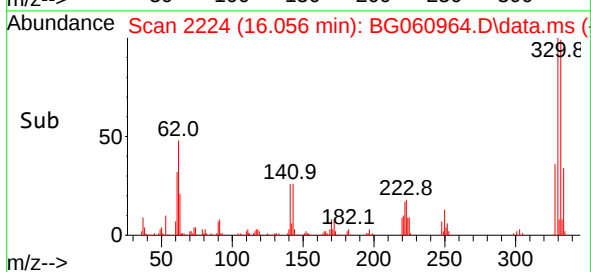
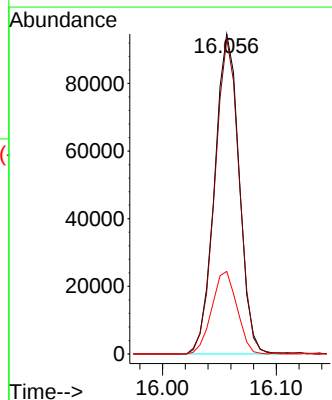
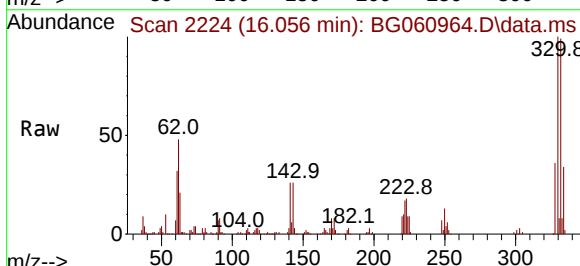
RT: 16.056 min Scan# 2224

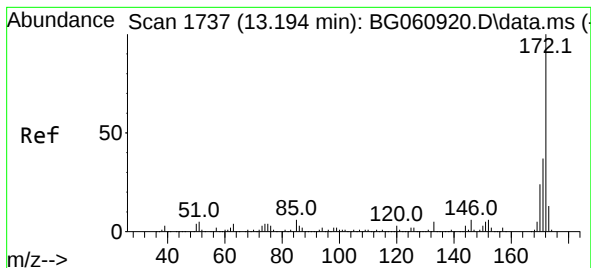
Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

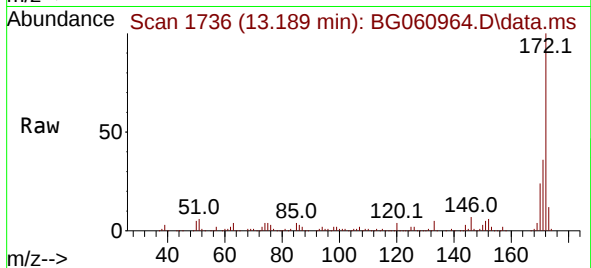
Tgt Ion:	330	Resp:	141991
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.9	115.3
141	26.4	23.7	35.5



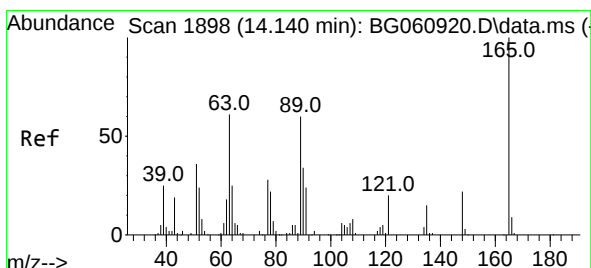
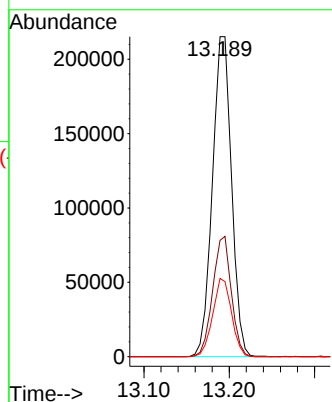
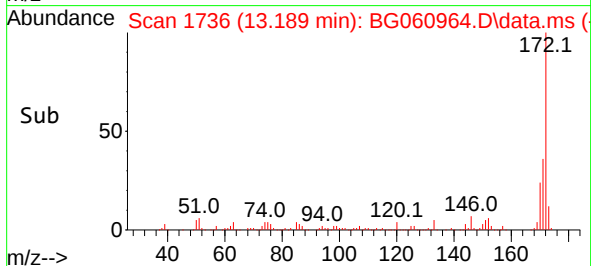


#45
2-Fluorobiphenyl
Concen: 54.162 ng
RT: 13.189 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Instrument :
BNA_G
ClientSampleId :

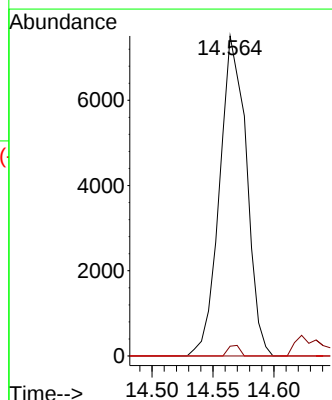
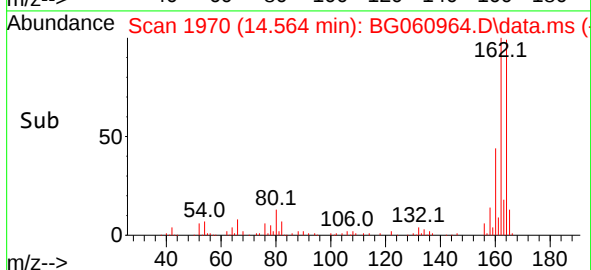
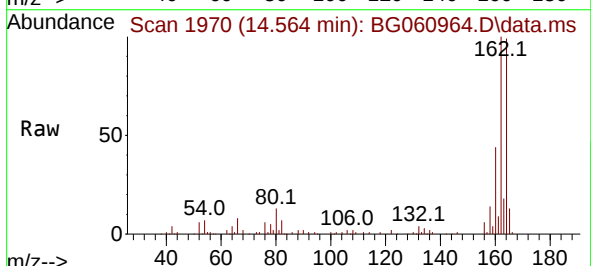


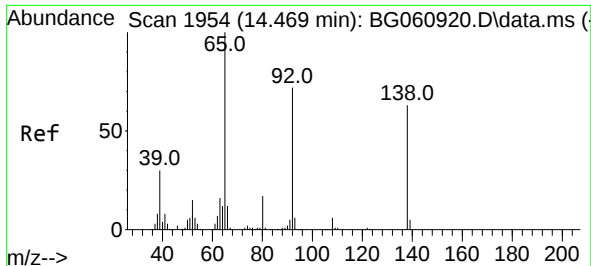
Tgt Ion:172 Resp: 335113
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.5 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.848 ng
RT: 14.564 min Scan# 1970
Delta R.T. 0.424 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

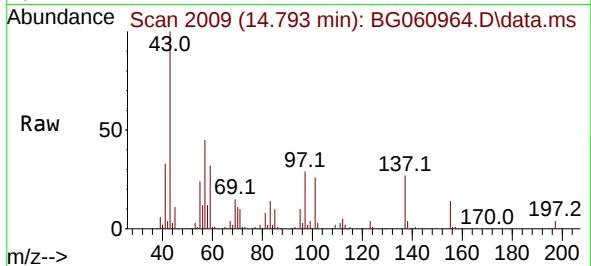
Tgt Ion:165 Resp: 11524
Ion Ratio Lower Upper
165 100
63 3.1 53.8 80.8#
89 0.0 48.2 72.4#



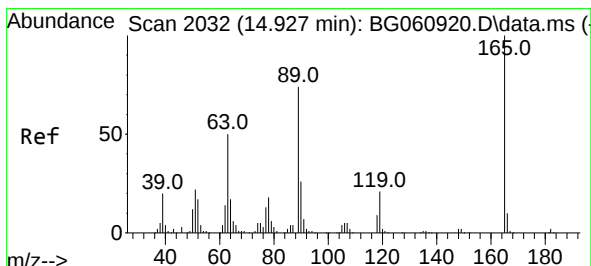
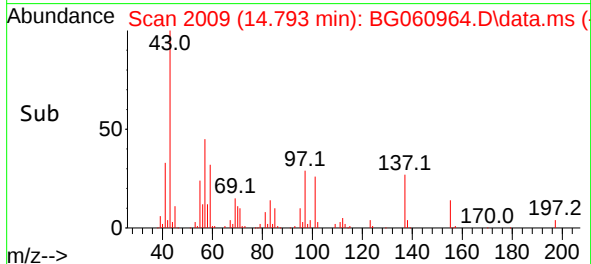
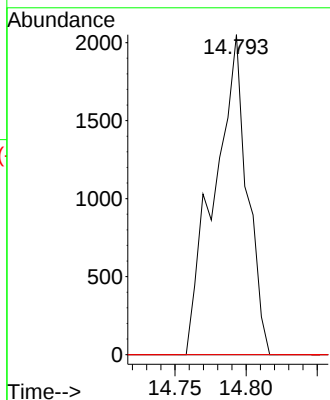


#53
3-Nitroaniline
Concen: 2.053 ng
RT: 14.793 min Scan# 20
Delta R.T. 0.324 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Instrument :
BNA_G
ClientSampleId :

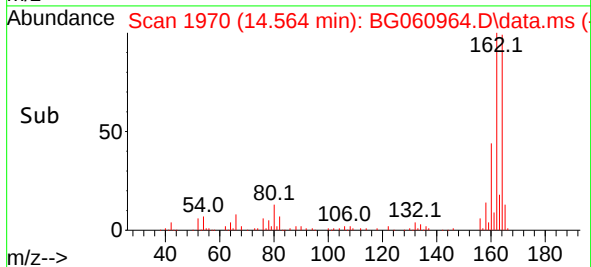
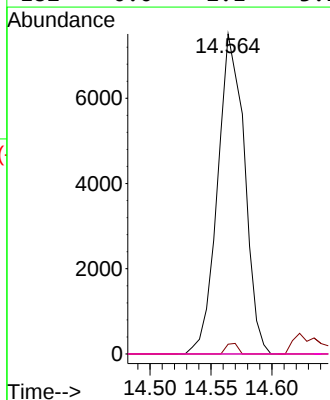
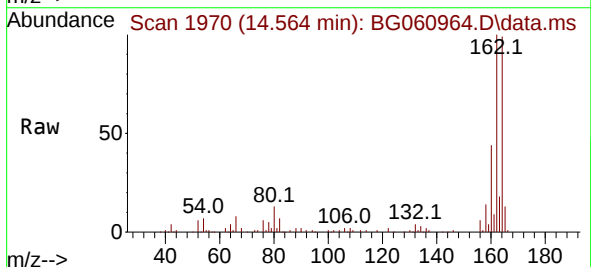


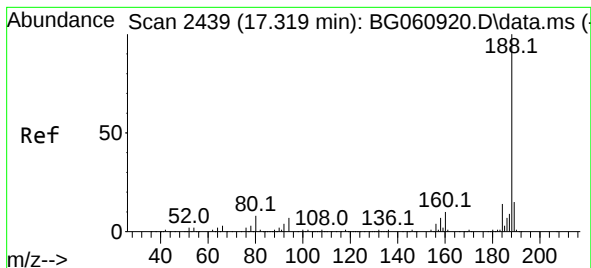
Tgt Ion:138 Resp: 3309
Ion Ratio Lower Upper
138 100
108 0.0 7.5 11.3#
92 0.0 92.5 138.7#



#57
2,4-Dinitrotoluene
Concen: 5.492 ng
RT: 14.564 min Scan# 1970
Delta R.T. -0.364 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion:165 Resp: 11524
Ion Ratio Lower Upper
165 100
63 3.1 40.2 60.2#
89 0.0 59.0 88.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.314 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

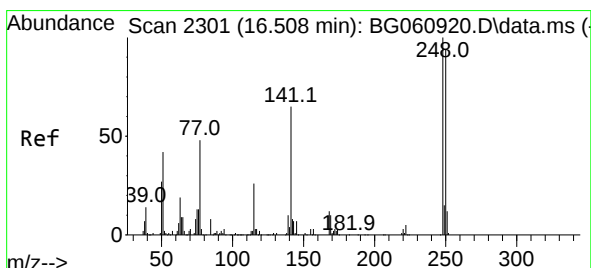
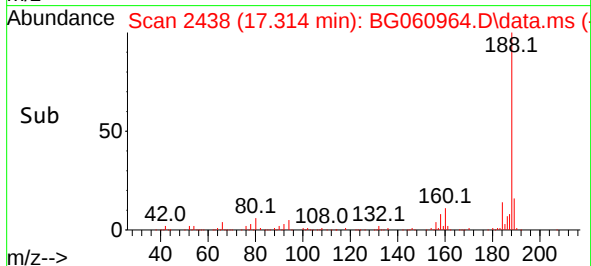
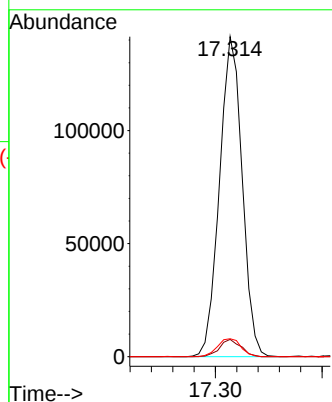
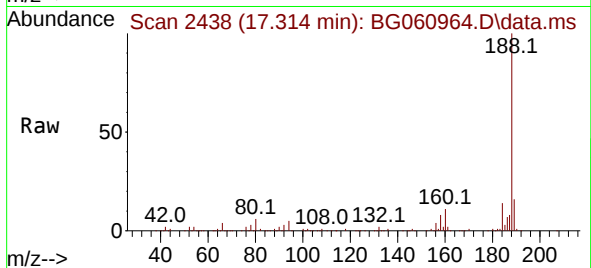
Tgt Ion:188 Resp: 208591

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

80 5.6 6.6 9.8#



#67

4-Bromophenyl-phenylether

Concen: 3.947 ng

RT: 16.056 min Scan# 2224

Delta R.T. -0.452 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

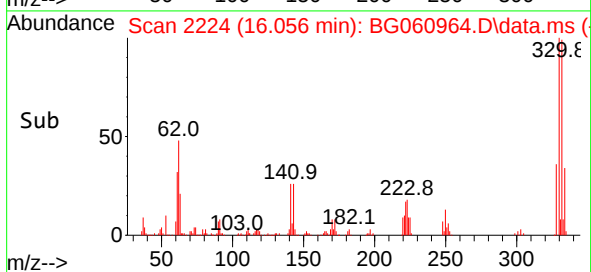
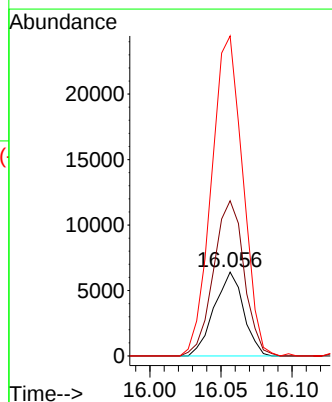
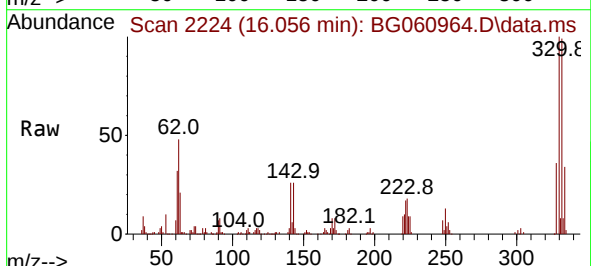
Tgt Ion:248 Resp: 9222

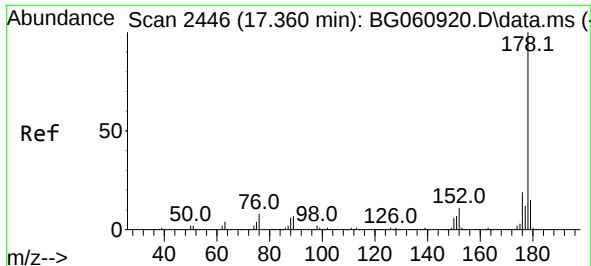
Ion Ratio Lower Upper

248 100

250 185.0 75.4 113.2#

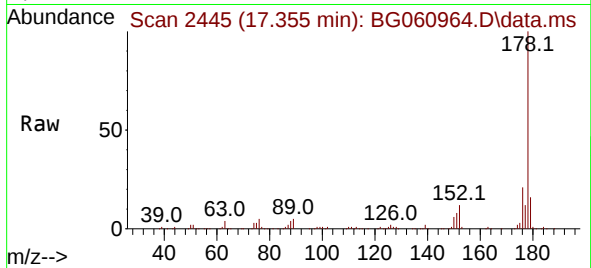
141 381.3 52.2 78.2#



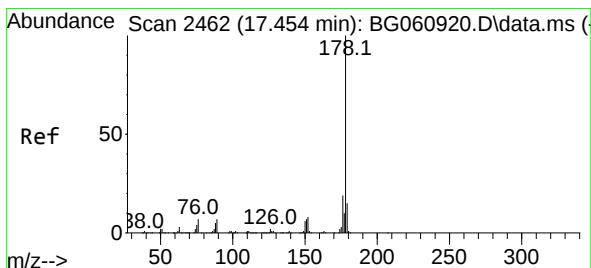
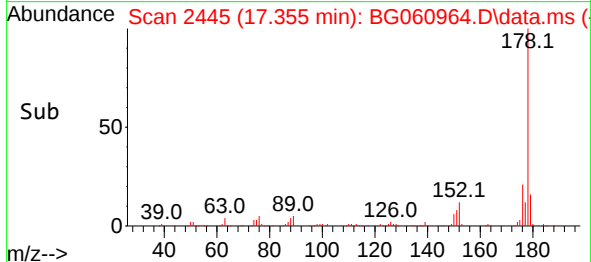
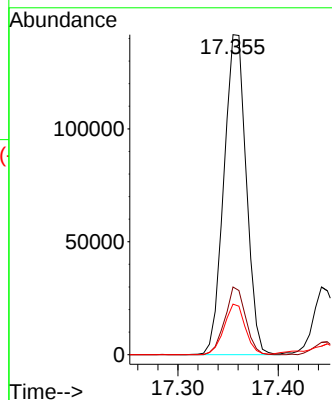


#71
 Phenanthrene
 Concen: 20.702 ng
 RT: 17.355 min Scan# 2446
 Delta R.T. -0.005 min
 Lab File: BG060964.D
 Acq: 19 Apr 2024 18:17

Instrument :
 BNA_G
 ClientSampleId :

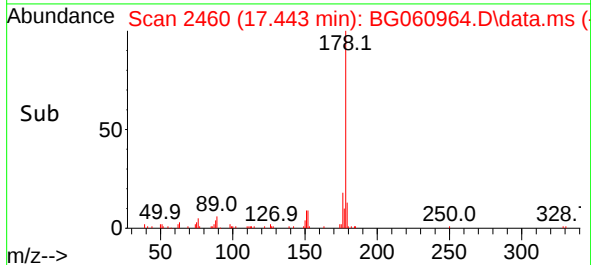
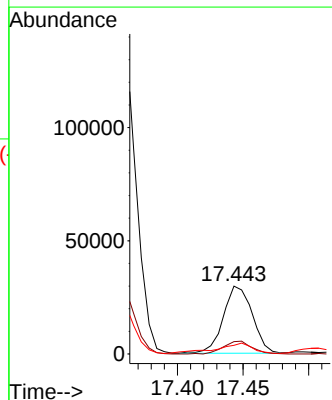
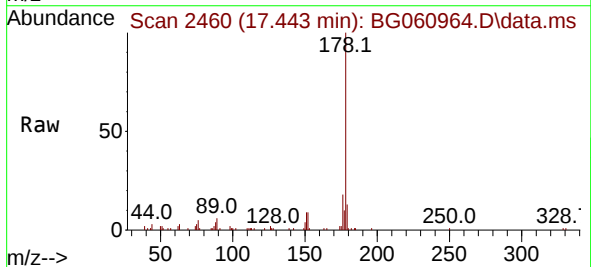


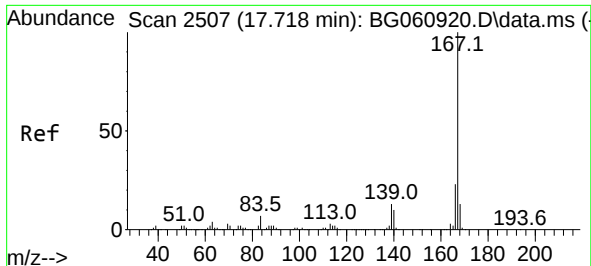
Tgt Ion:178 Resp: 218577
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.4 23.2
 179 15.8 12.0 18.0



#72
 Anthracene
 Concen: 4.203 ng
 RT: 17.443 min Scan# 2460
 Delta R.T. -0.011 min
 Lab File: BG060964.D
 Acq: 19 Apr 2024 18:17

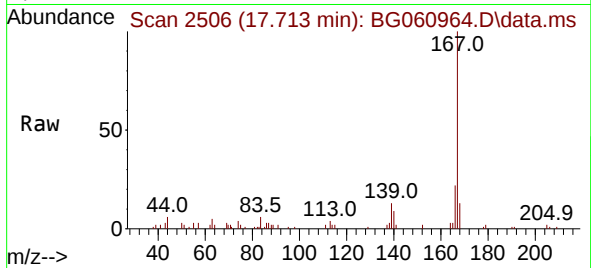
Tgt Ion:178 Resp: 45584
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.4
 179 12.6 11.6 17.4



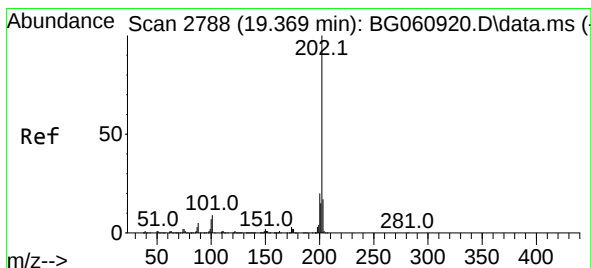
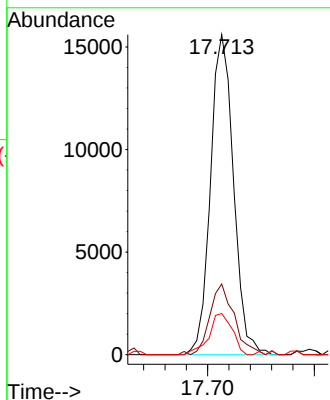
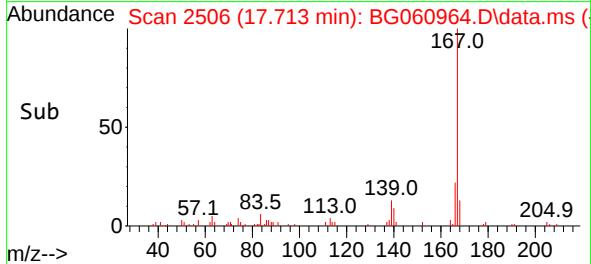


#73
Carbazole
Concen: 2.471 ng
RT: 17.713 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Instrument :
BNA_G
ClientSampleId :

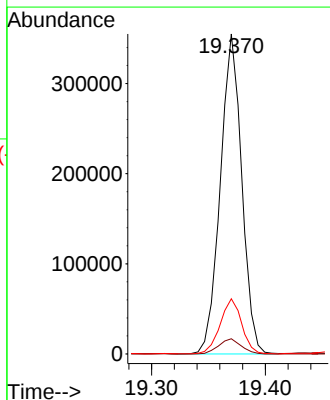
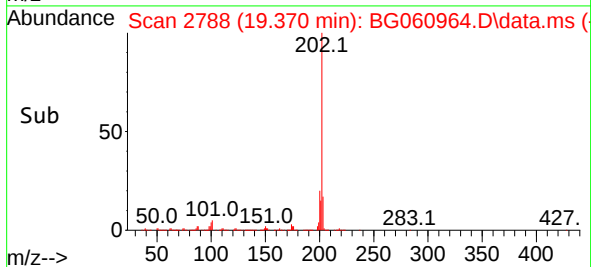
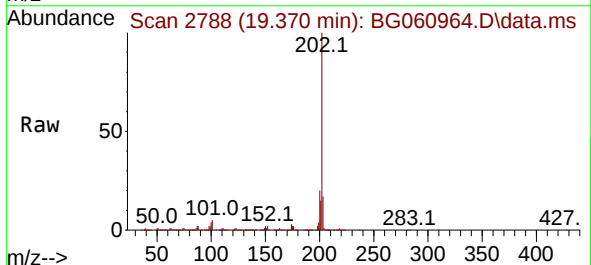


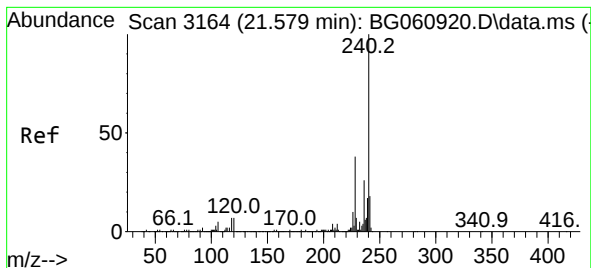
Tgt Ion:167 Resp: 23350
Ion Ratio Lower Upper
167 100
166 22.1 18.4 27.6
139 12.9 10.1 15.1



#75
Fluoranthene
Concen: 34.601 ng
RT: 19.370 min Scan# 2788
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion:202 Resp: 464997
Ion Ratio Lower Upper
202 100
101 4.8 0.0 28.6
203 17.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.573 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

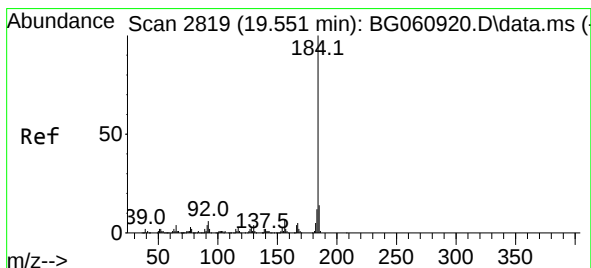
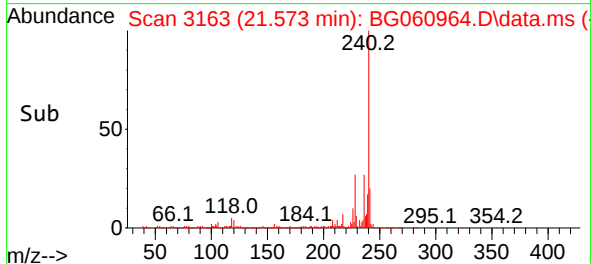
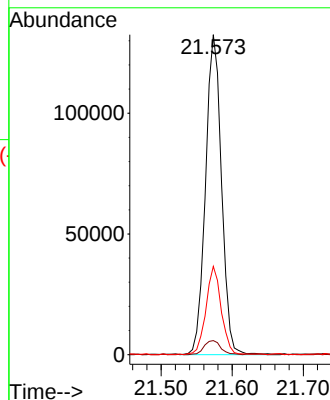
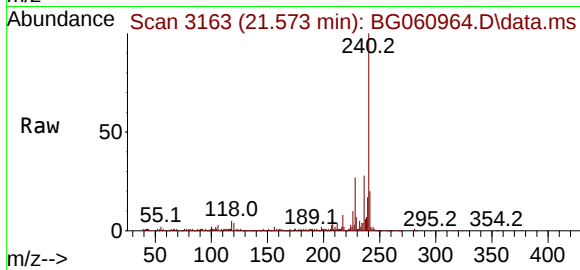
Tgt Ion:240 Resp: 207661

Ion Ratio Lower Upper

240 100

120 4.4 5.7 8.5#

236 27.6 21.1 31.7



#77

Benzidine

Concen: 2.409 ng

RT: 19.934 min Scan# 2884

Delta R.T. 0.383 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

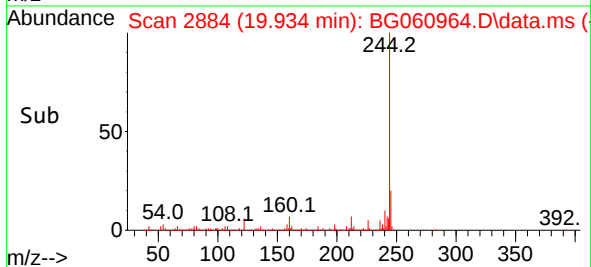
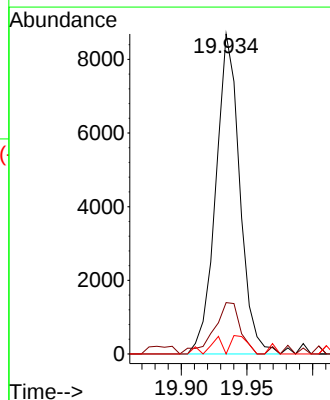
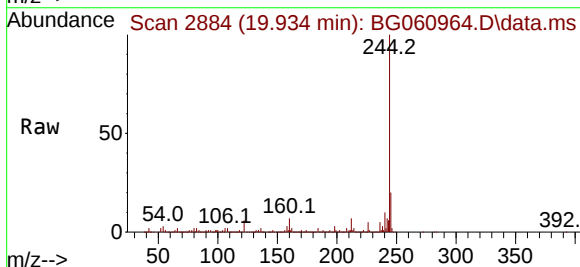
Tgt Ion:184 Resp: 11032

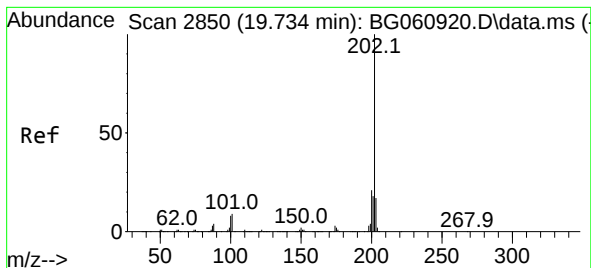
Ion Ratio Lower Upper

184 100

185 16.0 11.4 17.0

183 0.0 9.4 14.2#





#78

Pyrene

Concen: 27.300 ng

RT: 19.729 min Scan# 2

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

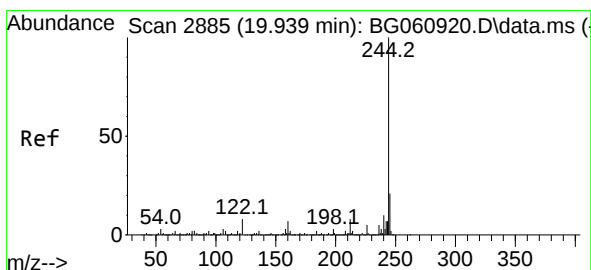
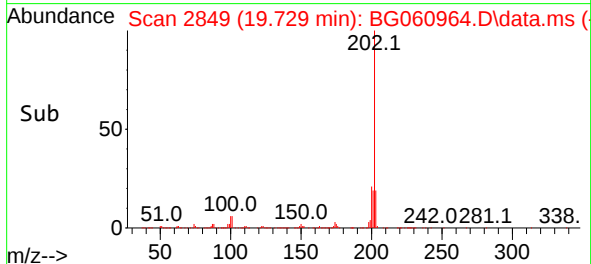
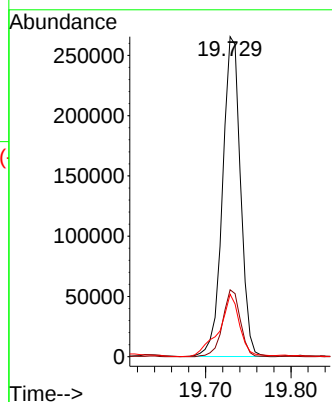
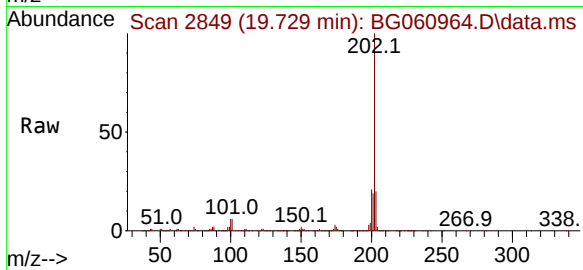
Tgt Ion:202 Resp: 388893

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 19.5 13.8 20.8



#79

Terphenyl-d14

Concen: 53.975 ng

RT: 19.934 min Scan# 2884

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

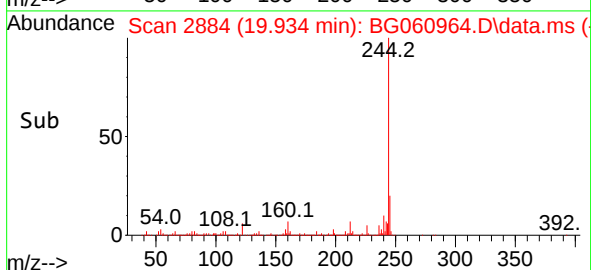
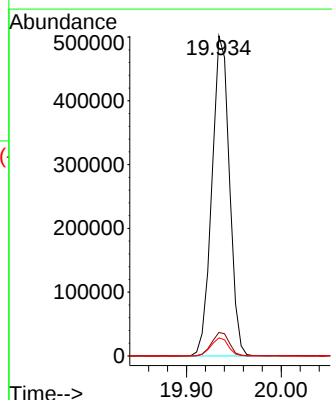
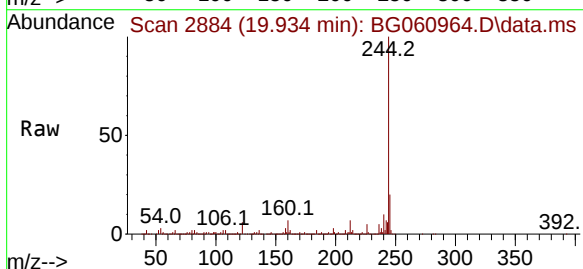
Tgt Ion:244 Resp: 642238

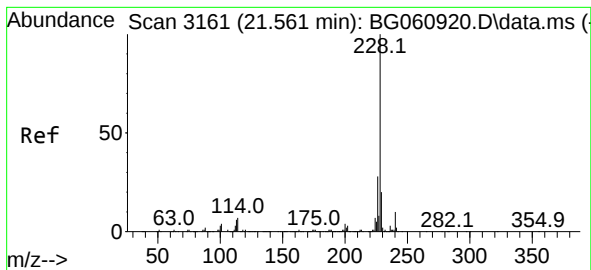
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 5.7 6.6 9.8#





#81

Benzo(a)anthracene

Concen: 16.470 ng

RT: 21.556 min Scan# 3160

Delta R.T. -0.005 min

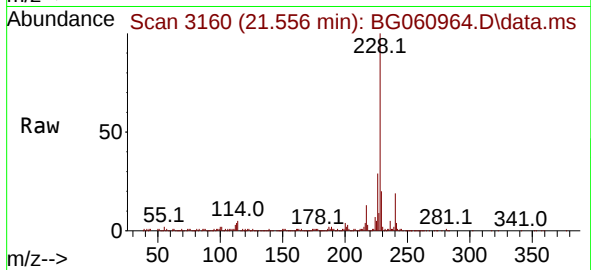
Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :



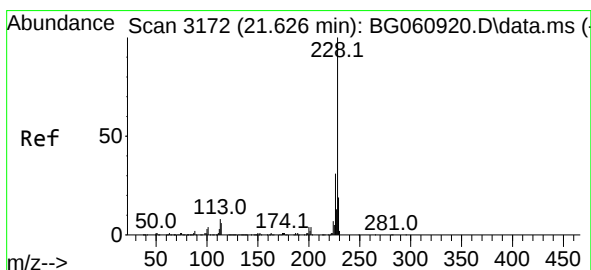
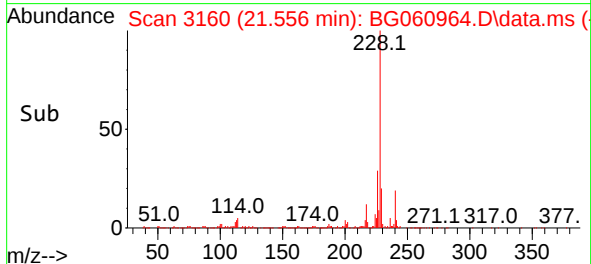
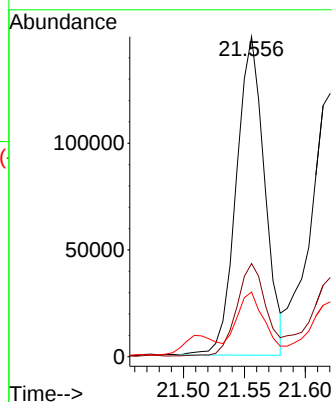
Tgt Ion:228 Resp: 241521

Ion Ratio Lower Upper

228 100

226 29.1 22.0 33.0

229 20.2 15.6 23.4



#83

Chrysene

Concen: 15.337 ng

RT: 21.620 min Scan# 3171

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

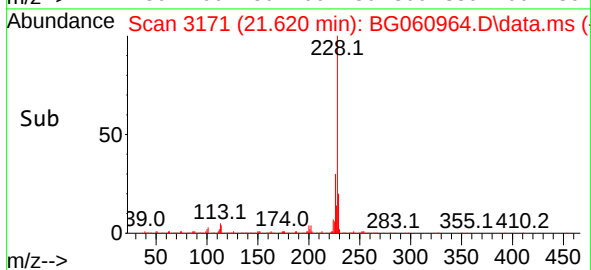
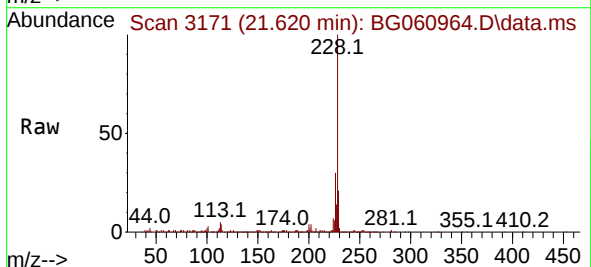
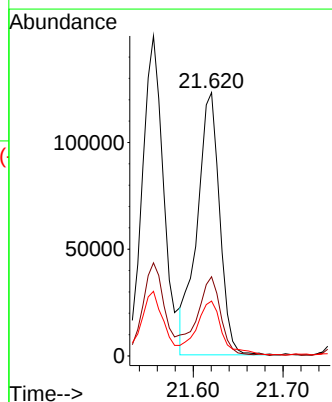
Tgt Ion:228 Resp: 214733

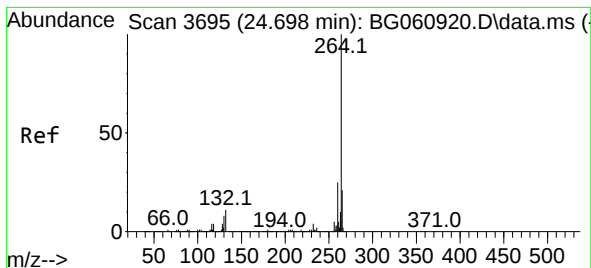
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 20.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.699 min Scan# 30

Delta R.T. 0.001 min

Lab File: BG060964.D

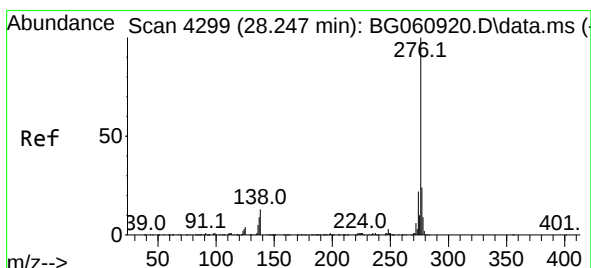
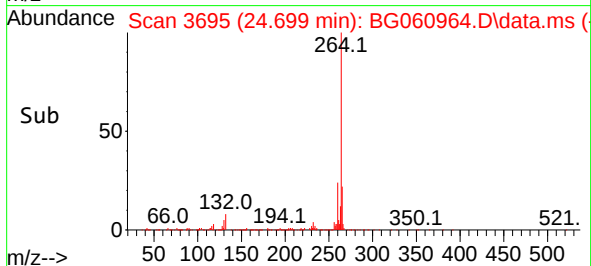
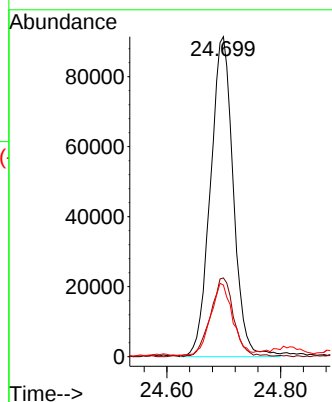
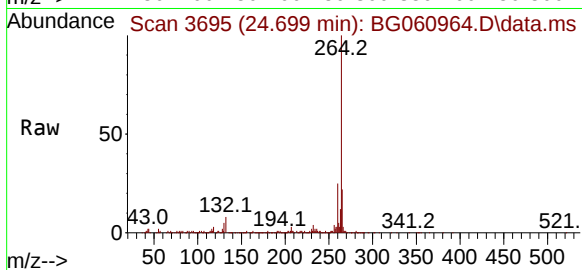
Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	264	Resp:	254659
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.6	29.4
265	22.4	16.6	25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.043 ng

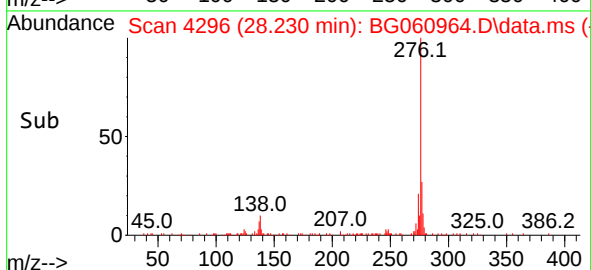
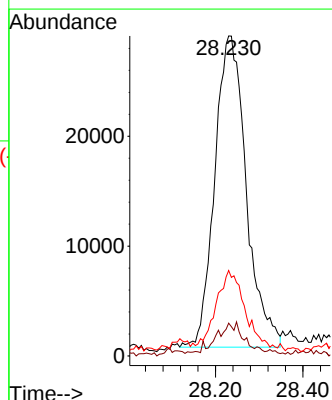
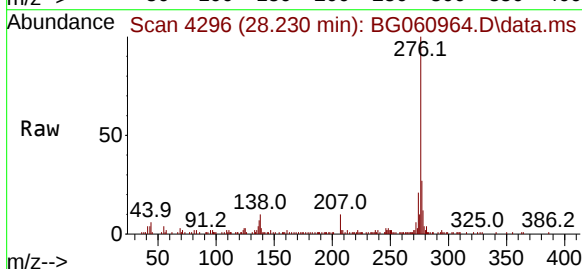
RT: 28.230 min Scan# 4296

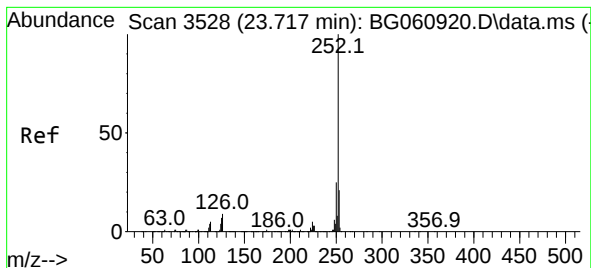
Delta R.T. -0.017 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Tgt Ion:	276	Resp:	141639
Ion Ratio	Lower	Upper	
276	100		
138	5.2	10.8	16.2#
277	22.9	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 20.700 ng

RT: 23.712 min Scan# 3527

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

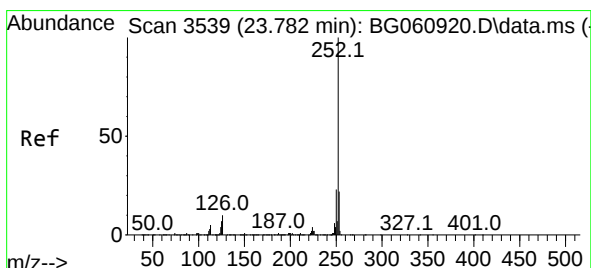
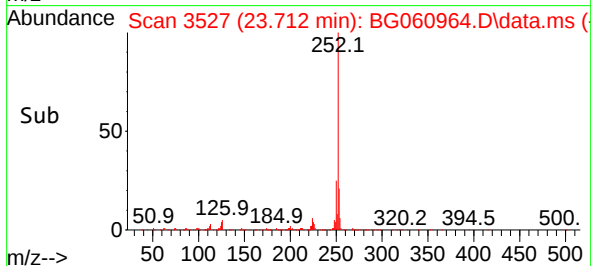
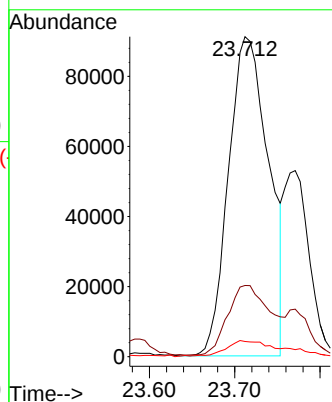
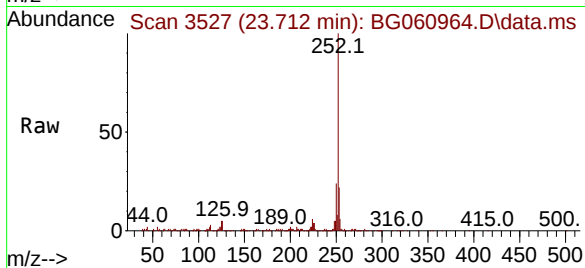
Tgt Ion:252 Resp: 298246

Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

125 4.7 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 20.234 ng

RT: 23.712 min Scan# 3527

Delta R.T. -0.070 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

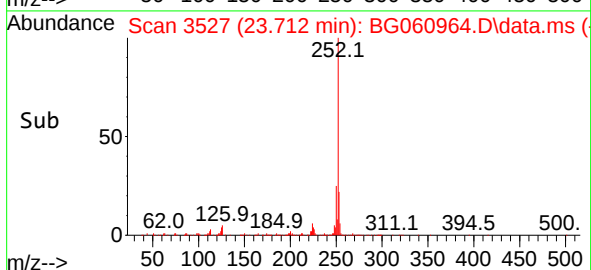
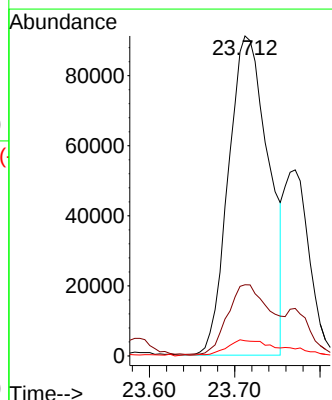
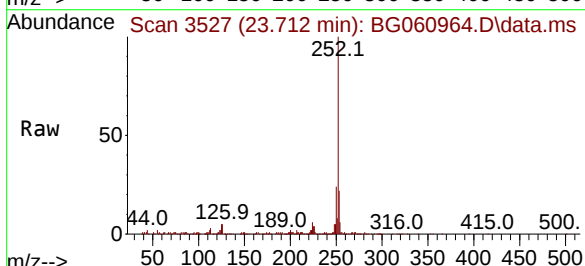
Tgt Ion:252 Resp: 298246

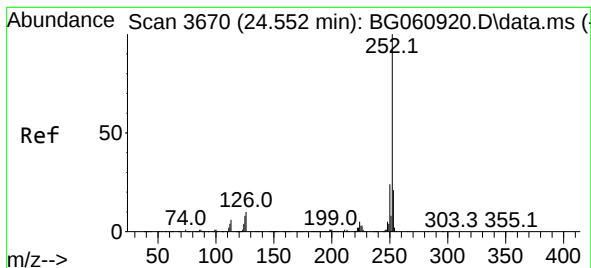
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 4.7 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 10.014 ng

RT: 24.411 min Scan# 3

Delta R.T. -0.140 min

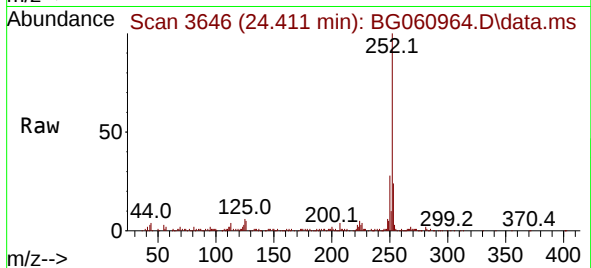
Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :



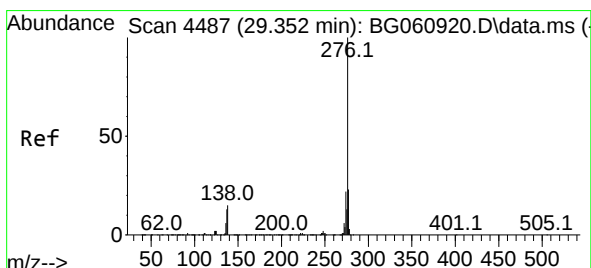
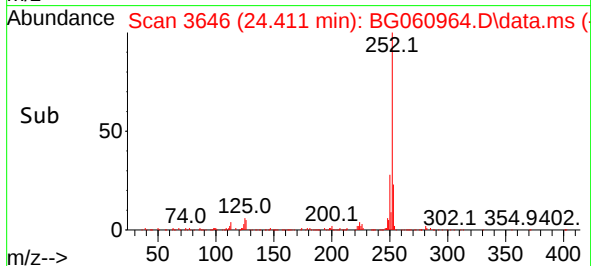
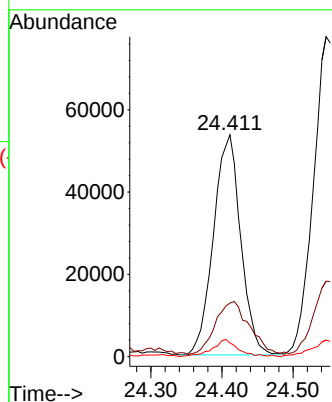
Tgt Ion:252 Resp: 142252

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 6.2 6.1 9.1



#92

Benzo(g,h,i)perylene

Concen: 4.176 ng

RT: 29.323 min Scan# 4482

Delta R.T. -0.029 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Tgt Ion:276 Resp: 59175

Ion Ratio Lower Upper

276 100

277 25.7 18.3 27.5

138 7.6 12.2 18.4#

