

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060721.D
 Acq On : 1 Apr 2024 18:53
 Operator : MA/JU
 Sample : P1927-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

Quant Time: Apr 02 01:17:10 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)

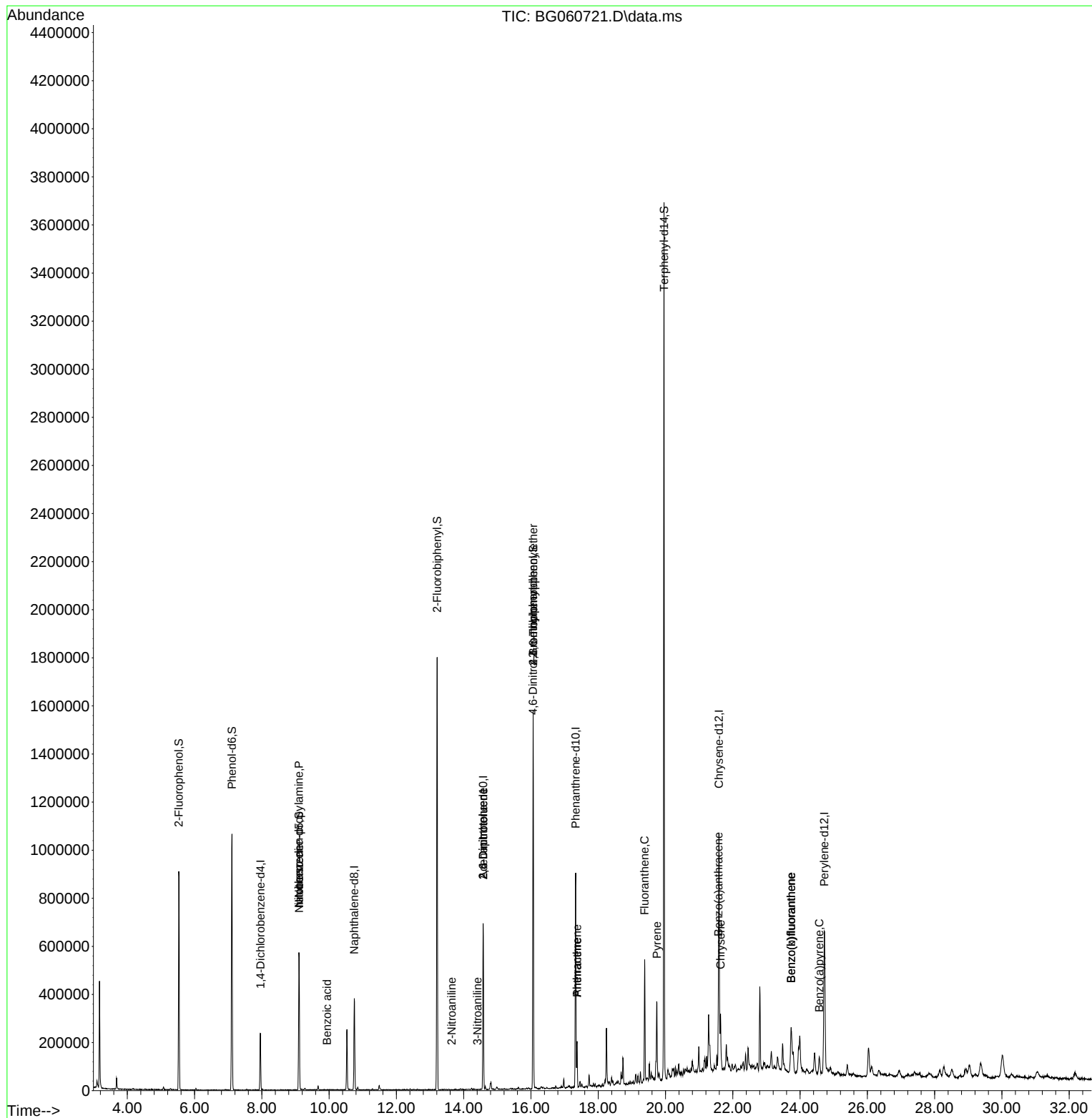
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	62882	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	306444	20.000	ng	0.00
39) Acenaphthene-d10	14.579	164	245913	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	565105	20.000	ng	0.00
76) Chrysene-d12	21.589	240	529213	20.000	ng	-0.02
86) Perylene-d12	24.720	264	627164	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	359407	95.215	ng	0.00
7) Phenol-d6	7.112	99	541825	96.701	ng	0.00
23) Nitrobenzene-d5	9.103	82	303632	56.538	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	287250	102.901	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	932170	55.633	ng	0.00
79) Terphenyl-d14	19.955	244	1778192	59.165	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.103	70	39761	9.305	ng	# 80
24) Nitrobenzene	9.109	77	1114	2.948	ng	# 40
32) Benzoic acid	9.938	122	126	6.869	ng	# 1
48) 2-Nitroaniline	13.645	65	59	2.805	ng	# 11
51) 2,6-Dinitrotoluene	14.579	165	31045	11.765	ng	# 18
53) 3-Nitroaniline	14.409	138	64	2.867	ng	# 1
57) 2,4-Dinitrotoluene	14.579	165	31045	9.911	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.060	198	945	7.380	ng	# 1
67) 4-Bromophenyl-phenylether	16.066	248	19549	3.409	ng	# 1
71) Phenanthrene	17.370	178	116648	3.969	ng	99
72) Anthracene	17.370	178	116648	3.908	ng	100
75) Fluoranthene	19.380	202	311358	8.731	ng	98
78) Pyrene	19.744	202	210519	5.688	ng	99
81) Benzo(a)anthracene	21.571	228	87243	2.339	ng	95
83) Chrysene	21.636	228	169091	4.703	ng	98
88) Benzo(b)fluoranthene	23.733	252	211033	5.857	ng	99
89) Benzo(k)fluoranthene	23.733	252	211033	5.722	ng	99
90) Benzo(a)pyrene	24.574	252	75226	2.148	ng	# 93

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

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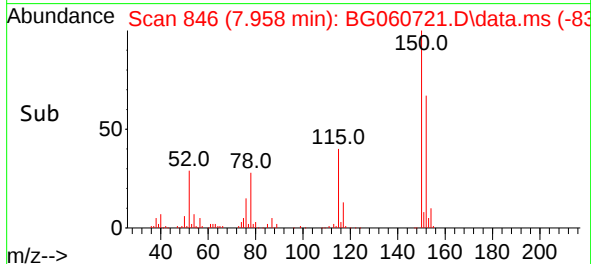
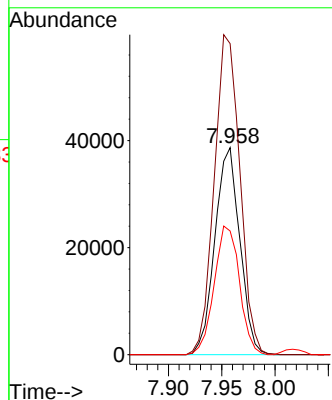
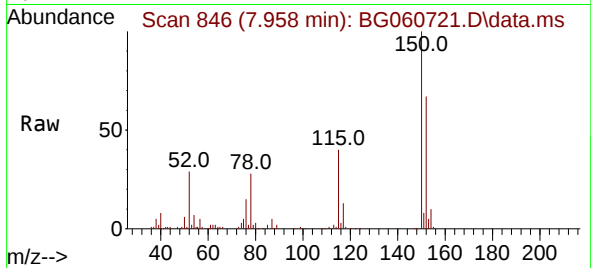




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 846
Delta R.T. -0.003 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

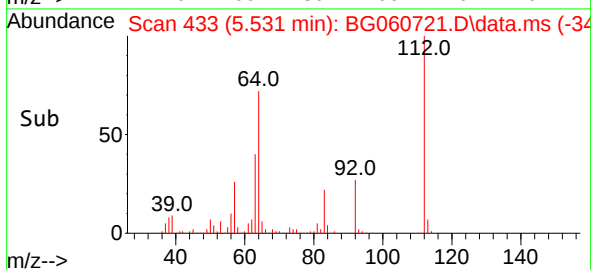
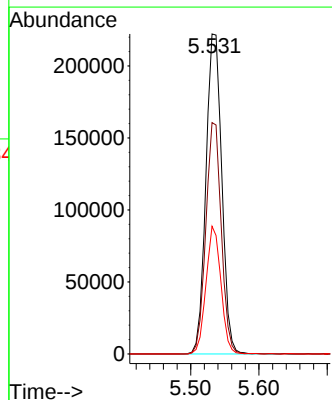
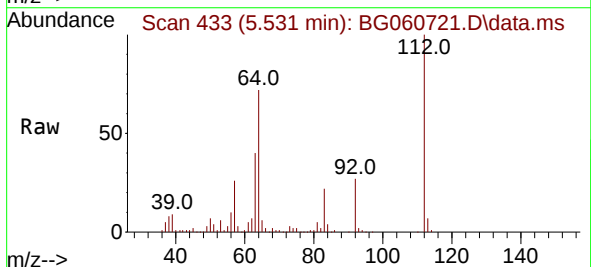
Instrument :
BNA_G
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72-11991

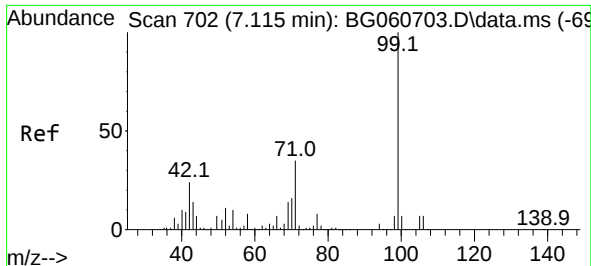
Tgt Ion:152 Resp: 62882
Ion Ratio Lower Upper
152 100
150 150.3 130.2 195.4
115 59.8 51.6 77.4



#5
2-Fluorophenol
Concen: 95.215 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.004 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:112 Resp: 359407
Ion Ratio Lower Upper
112 100
64 72.3 58.4 87.6
63 39.9 32.7 49.1

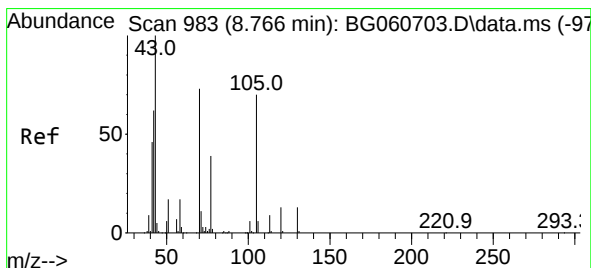
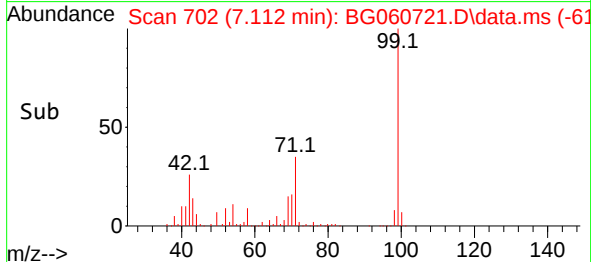
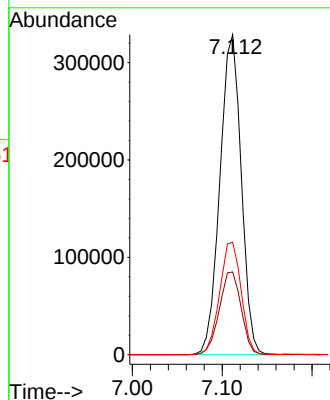
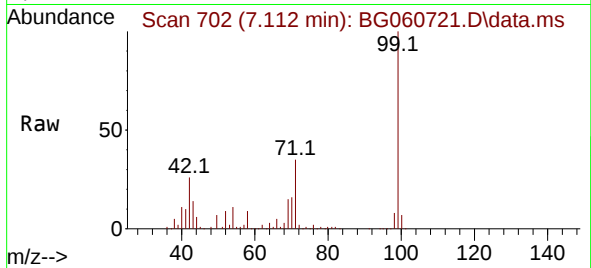




#7
Phenol-d6
Concen: 96.701 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

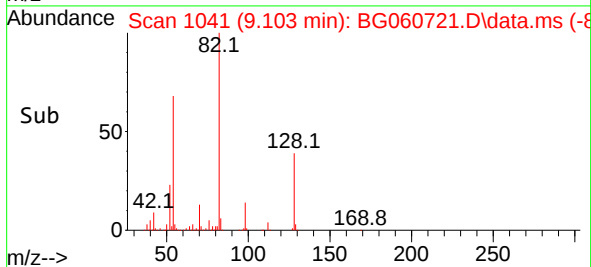
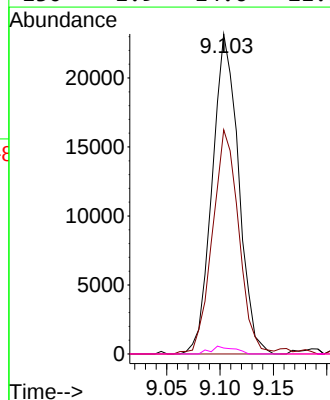
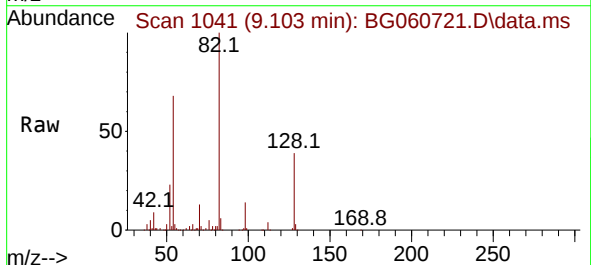
Instrument :
BNA_G
ClientSampleId :
72-11991

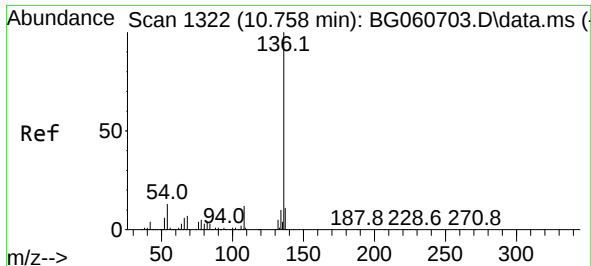
Tgt Ion: 99 Resp: 541825
Ion Ratio Lower Upper
99 100
42 25.9 19.4 29.2
71 35.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.305 ng
RT: 9.103 min Scan# 1041
Delta R.T. 0.337 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion: 70 Resp: 39761
Ion Ratio Lower Upper
70 100
42 70.0 68.4 102.6
101 0.0 6.1 9.1#
130 1.9 14.6 21.8#

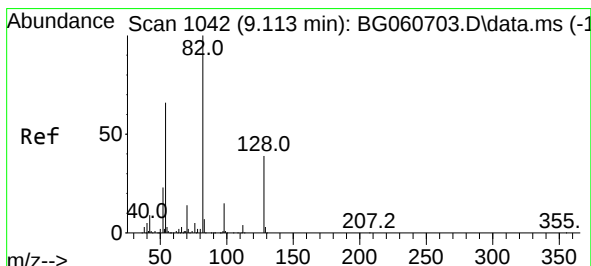
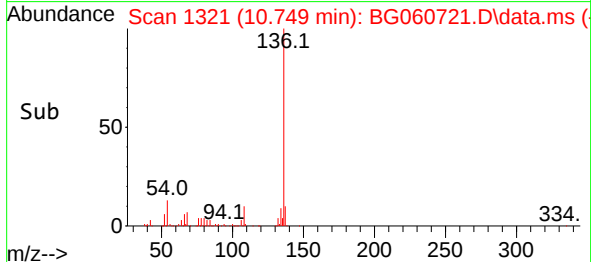
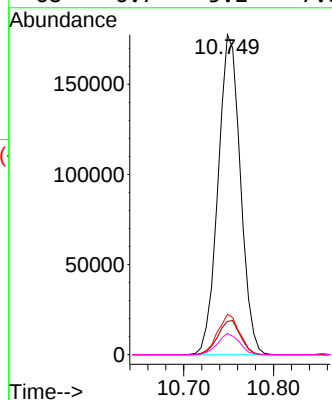
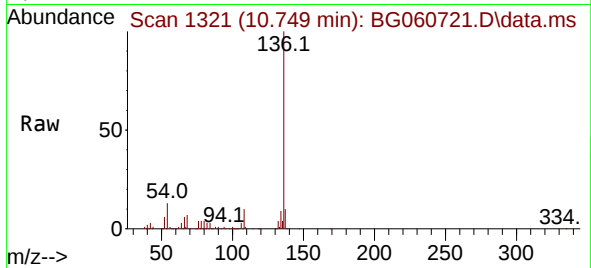




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

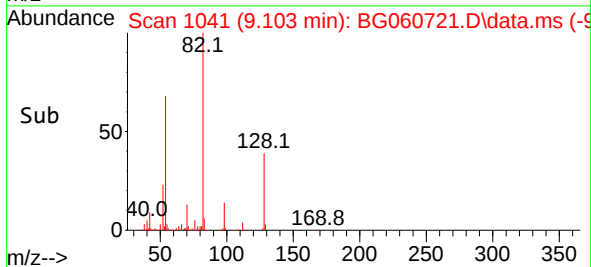
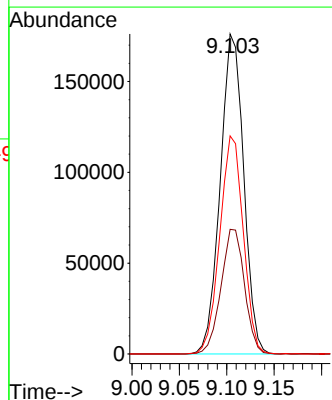
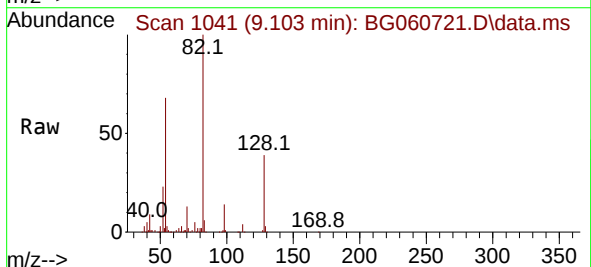
Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion:136 Resp: 306444
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 12.6 10.2 15.2
68 6.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 56.538 ng
RT: 9.103 min Scan# 1041
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion: 82 Resp: 303632
Ion Ratio Lower Upper
82 100
128 38.9 31.2 46.8
54 68.2 53.2 79.8

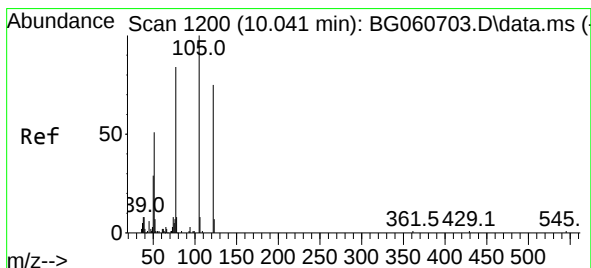
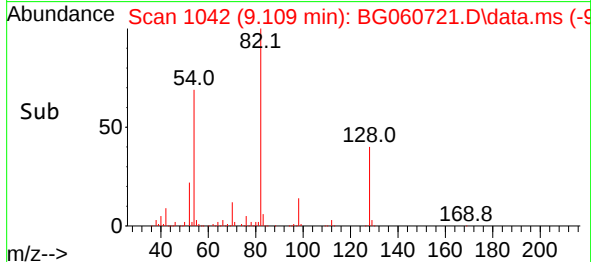
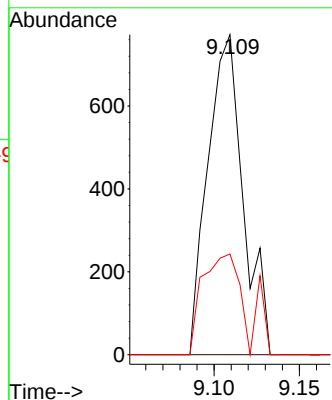
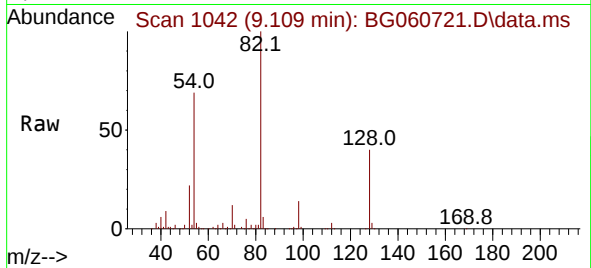




#24
Nitrobenzene
Concen: 2.948 ng
RT: 9.109 min Scan# 110
Delta R.T. -0.045 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

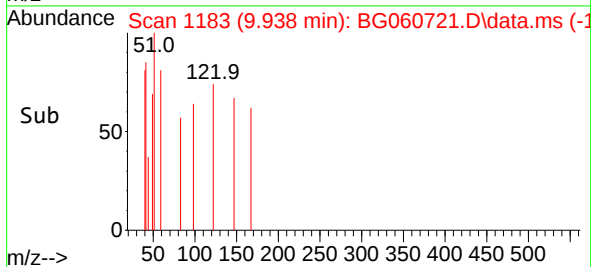
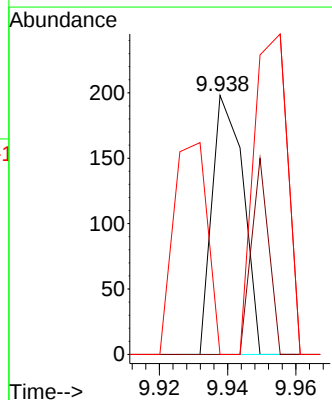
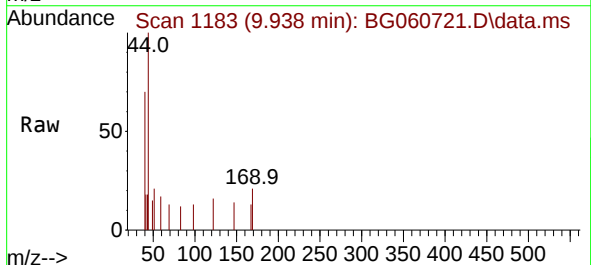
Instrument :
BNA_G
ClientSampleId :
72-11991

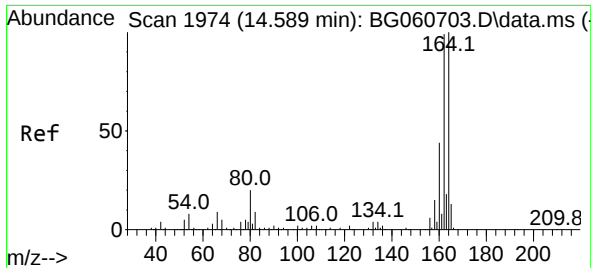
Tgt Ion: 77 Resp: 1114
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 31.5 11.3 16.9#



#32
Benzoic acid
Concen: 6.869 ng
RT: 9.938 min Scan# 1183
Delta R.T. -0.103 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion: 122 Resp: 126
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

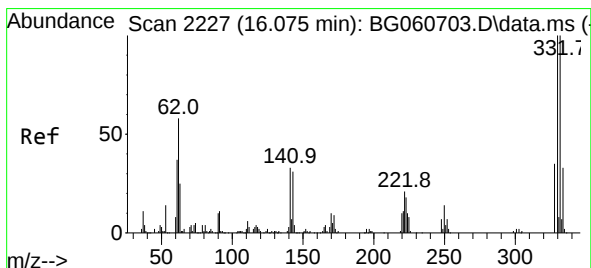
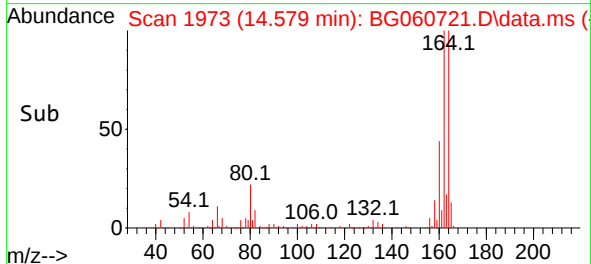
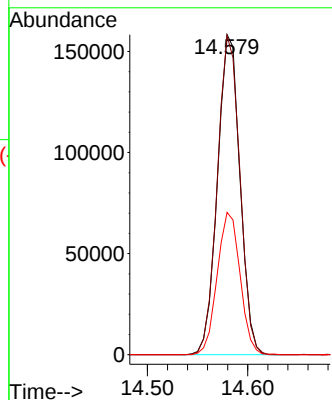
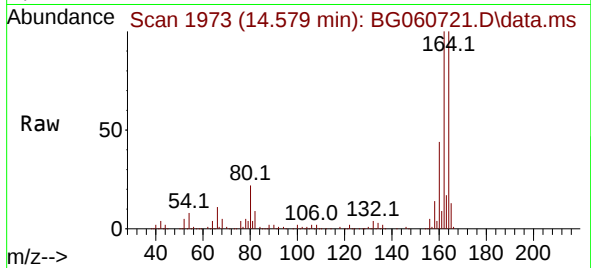




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.579 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

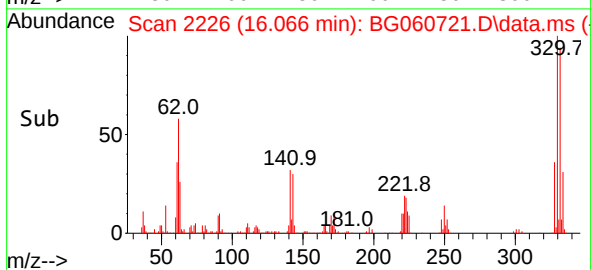
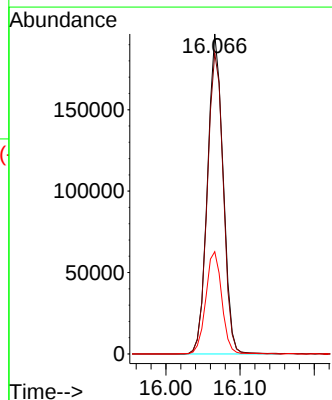
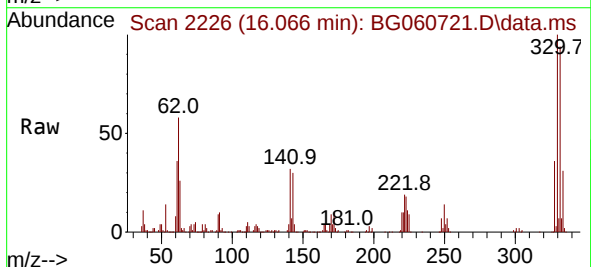
Instrument :
BNA_G
ClientSampleId :
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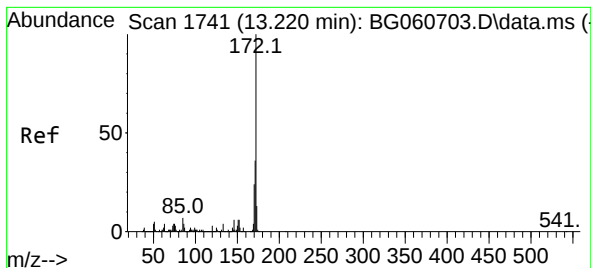
Tgt Ion:164 Resp: 245913
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 44.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 102.901 ng
RT: 16.066 min Scan# 2226
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:330 Resp: 287250
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 33.0 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 55.633 ng

RT: 13.210 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991

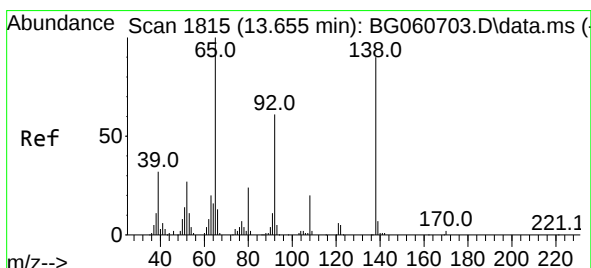
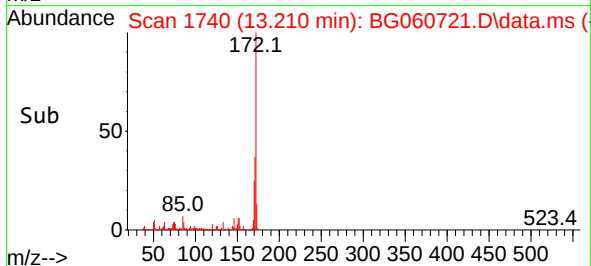
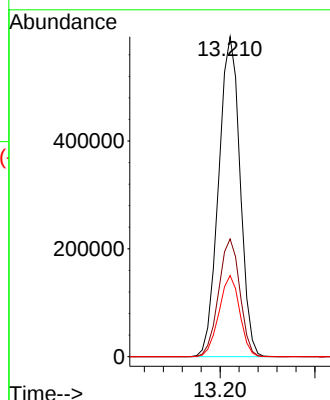
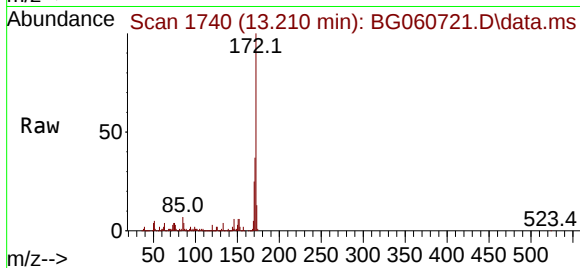
Tgt Ion:172 Resp: 932170

Ion Ratio Lower Upper

172 100

171 36.8 28.7 43.1

170 25.4 19.4 29.0



#48

2-Nitroaniline

Concen: 2.805 ng

RT: 13.645 min Scan# 1814

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

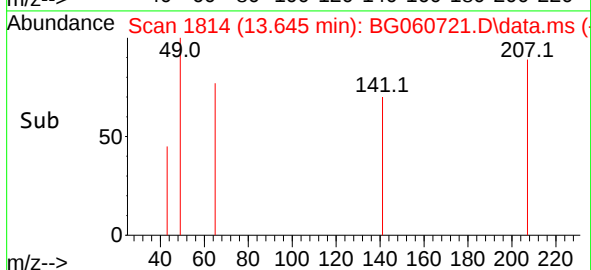
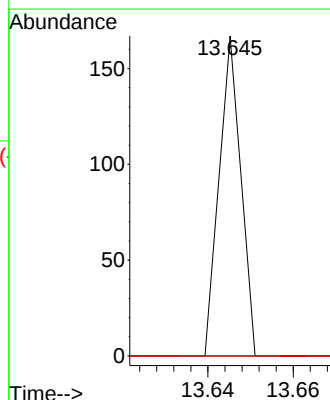
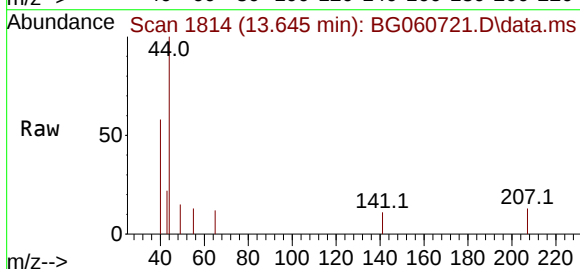
Tgt Ion: 65 Resp: 59

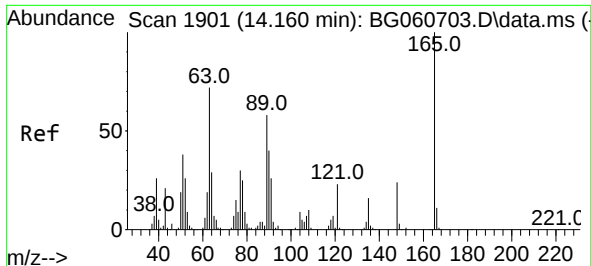
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

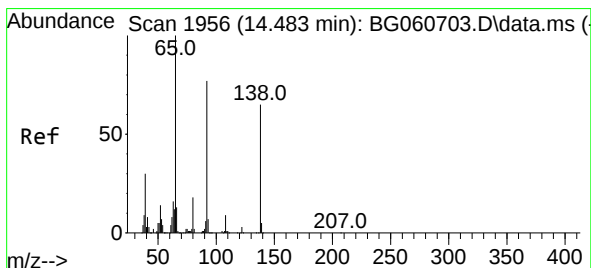
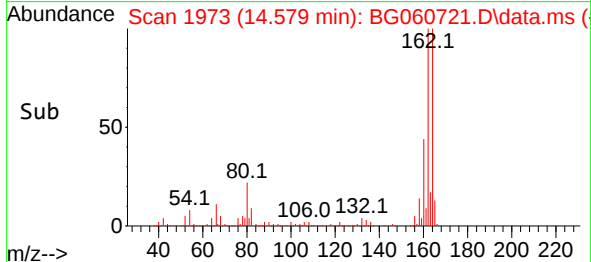
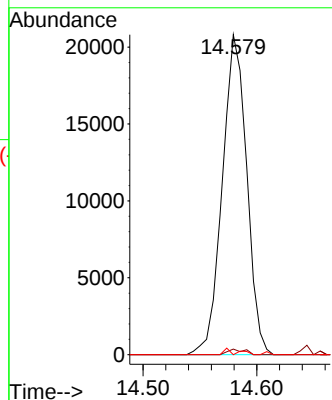
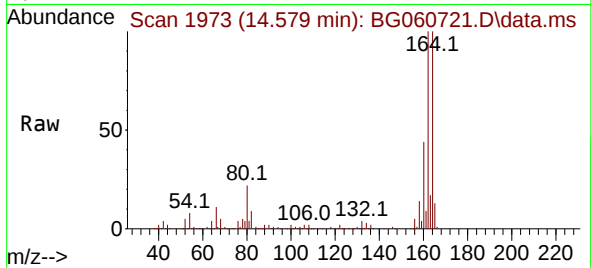




#51
2,6-Dinitrotoluene
Concen: 11.765 ng
RT: 14.579 min Scan# 1901
Delta R.T. 0.419 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

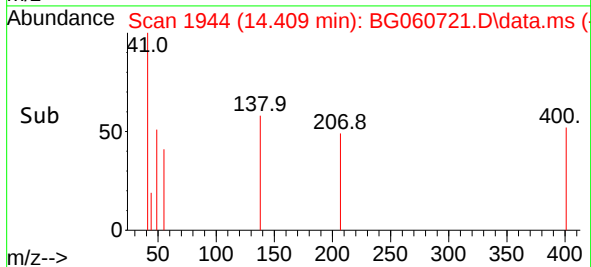
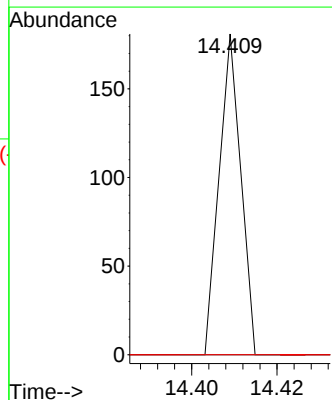
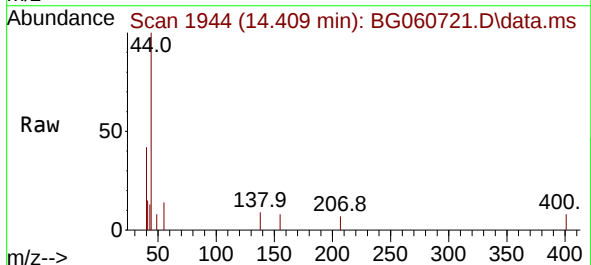
Instrument :
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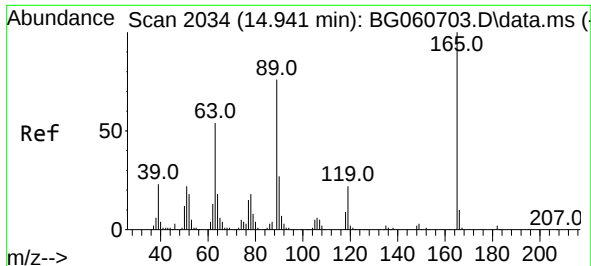
Tgt Ion:165 Resp: 31045
Ion Ratio Lower Upper
165 100
63 1.8 58.2 87.4#
89 0.0 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.867 ng
RT: 14.409 min Scan# 1944
Delta R.T. -0.074 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:138 Resp: 64
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: 9.911 ng

RT: 14.579 min Scan# 1973

Delta R.T. -0.362 min

Lab File: BG060721.D

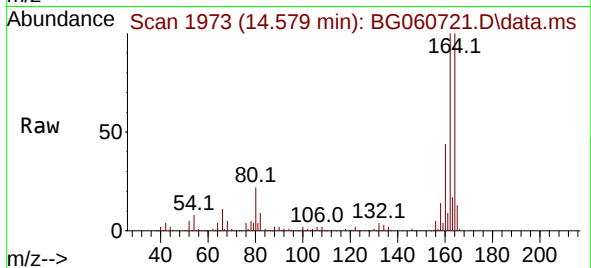
Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991



Tgt Ion:165 Resp: 31045

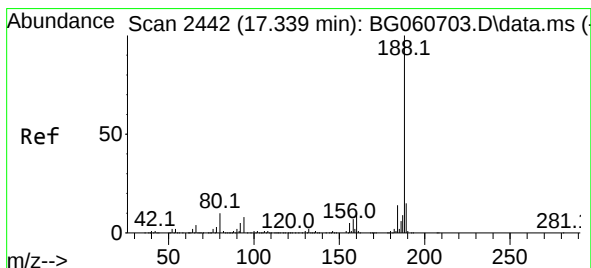
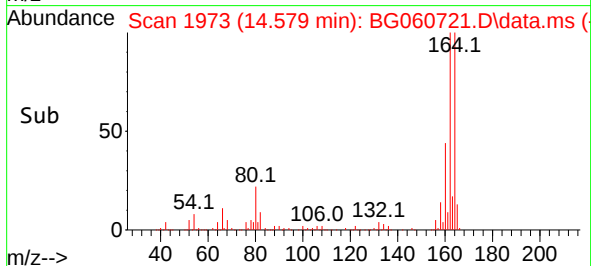
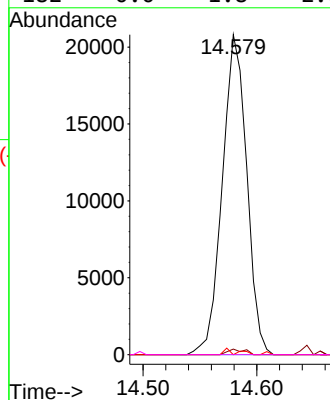
Ion Ratio Lower Upper

165 100

63 1.8 43.4 65.0#

89 0.0 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.329 min Scan# 2441

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

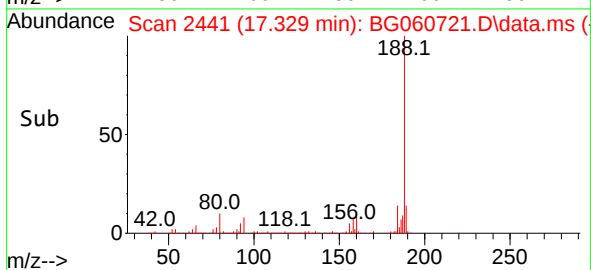
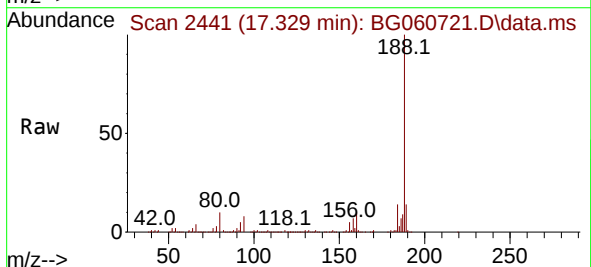
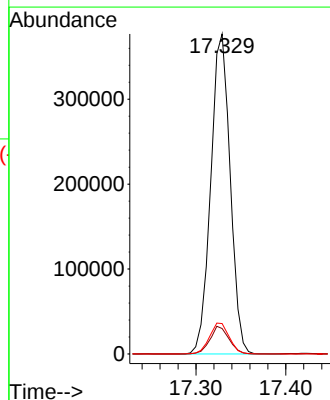
Tgt Ion:188 Resp: 565105

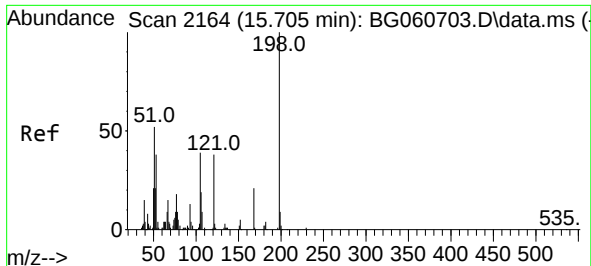
Ion Ratio Lower Upper

188 100

94 8.0 6.6 9.8

80 9.5 7.6 11.4

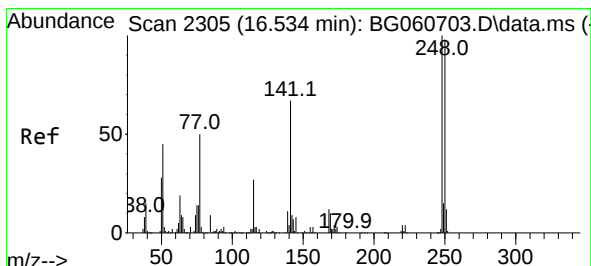
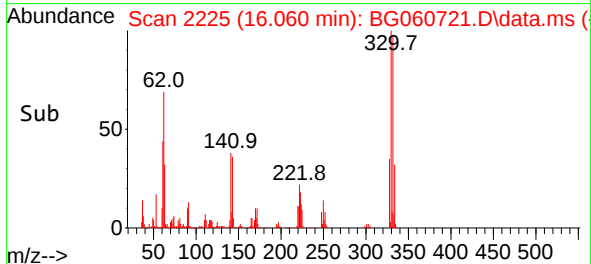
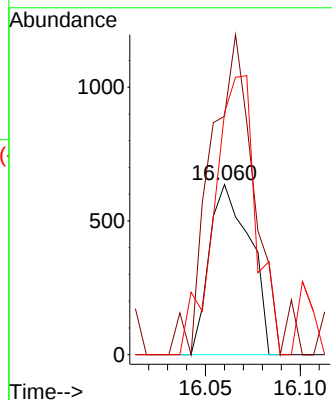
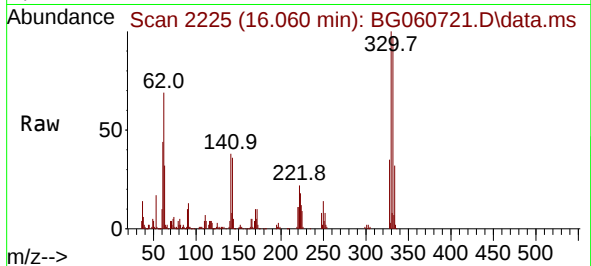




#65
4,6-Dinitro-2-methylphenol
Concen: 7.380 ng
RT: 16.060 min Scan# 2164
Delta R.T. 0.355 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

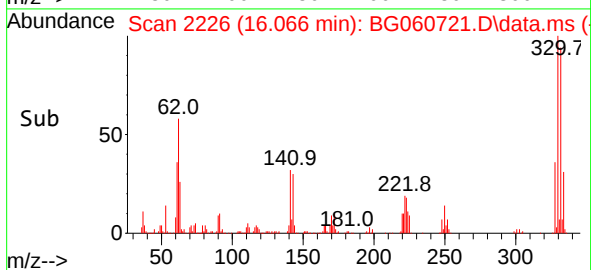
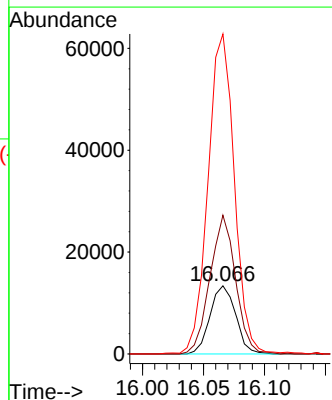
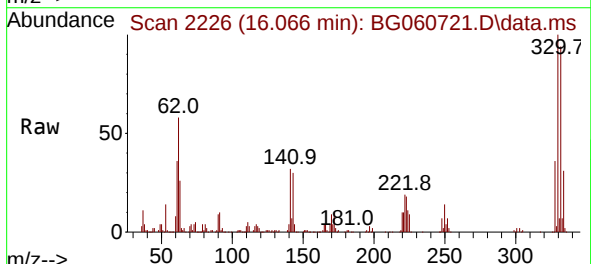
Instrument :
BNA_G
ClientSampleId :
72-11991

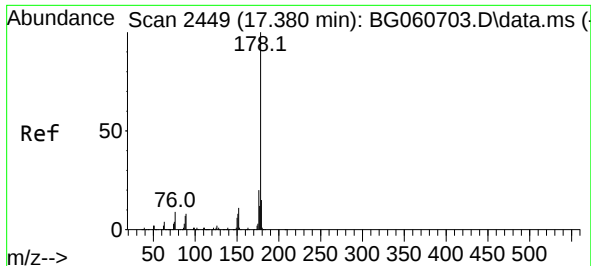
Tgt Ion:198 Resp: 945
Ion Ratio Lower Upper
198 100
51 140.1 36.7 76.7#
105 142.3 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.409 ng
RT: 16.066 min Scan# 2226
Delta R.T. -0.468 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:248 Resp: 19549
Ion Ratio Lower Upper
248 100
250 203.7 78.3 117.5#
141 469.9 53.7 80.5#

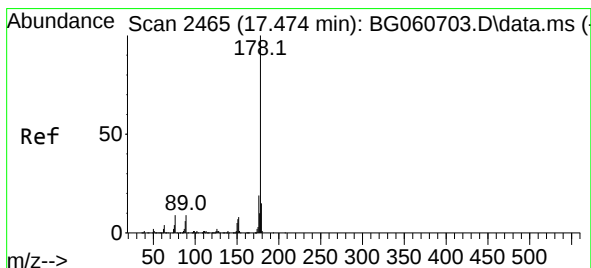
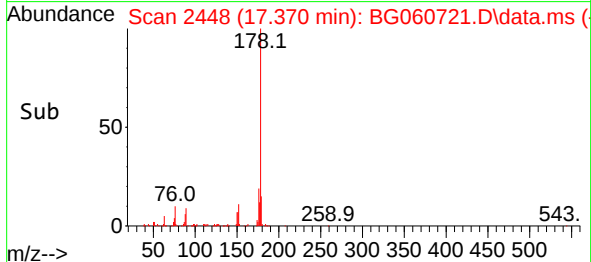
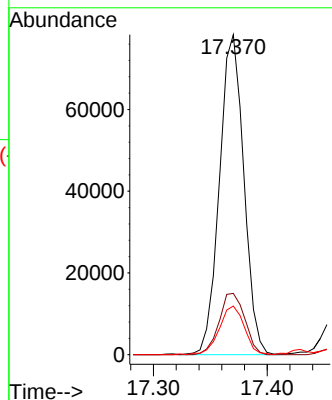
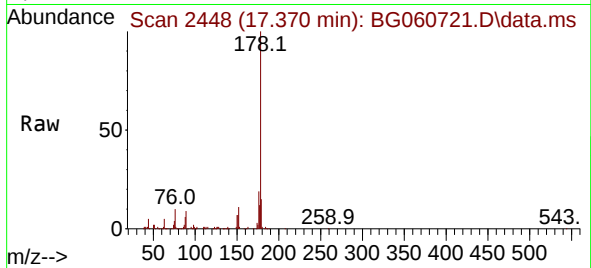




#71
Phenanthrene
Concen: 3.969 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

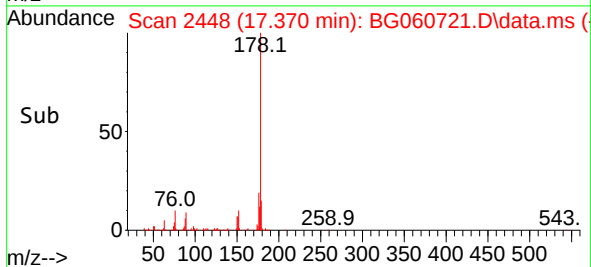
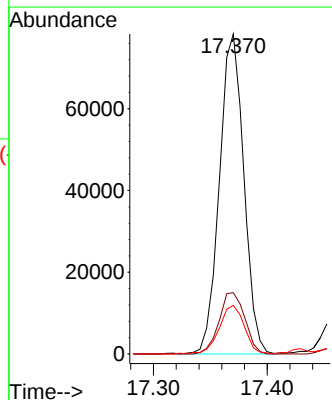
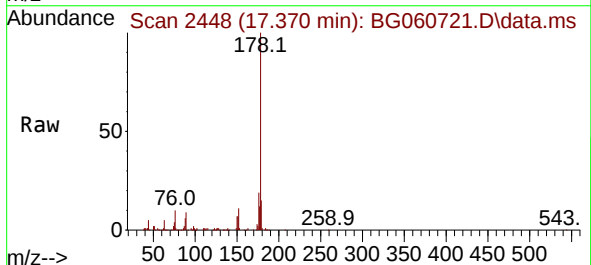
Instrument :
BNA_G
ClientSampleId :
72-11991

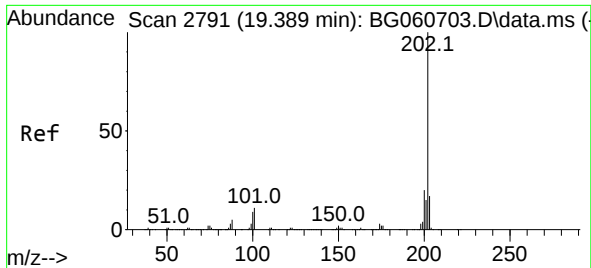
Tgt Ion:178 Resp: 116648
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.2 12.2 18.4



#72
Anthracene
Concen: 3.908 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.104 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:178 Resp: 116648
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.2

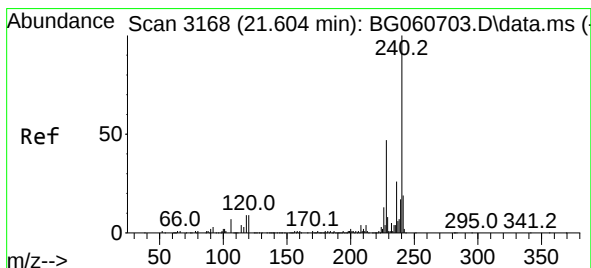
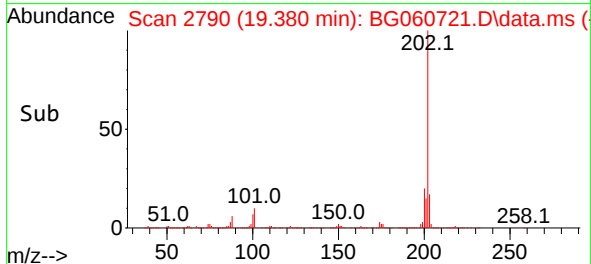
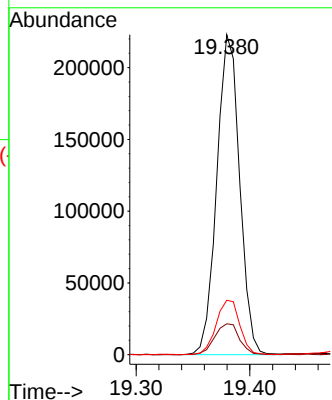
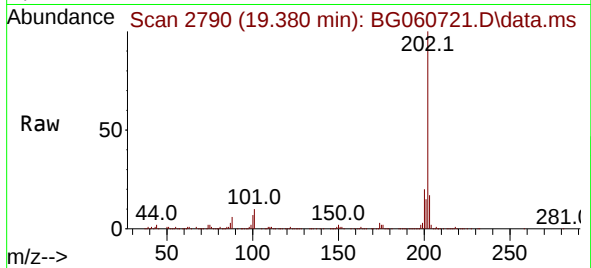




#75
Fluoranthene
Concen: 8.731 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

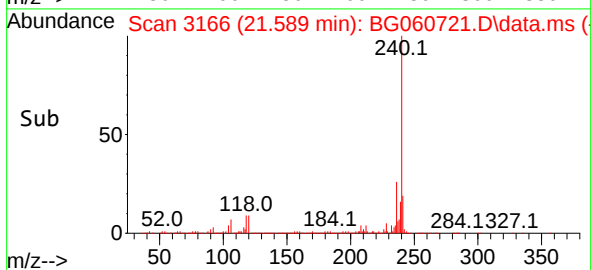
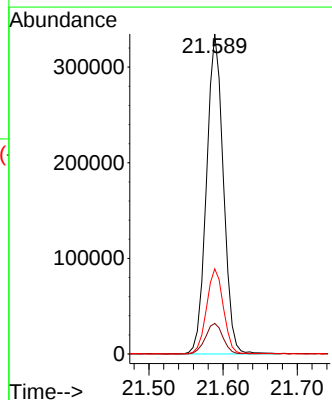
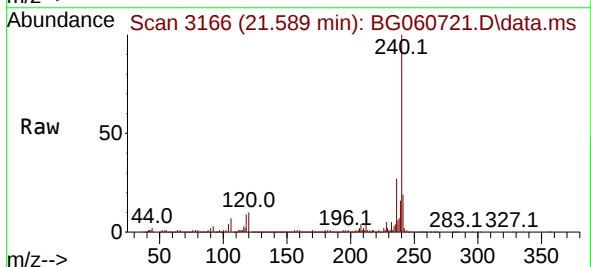
Instrument :
BNA_G
ClientSampleId :
72-11991

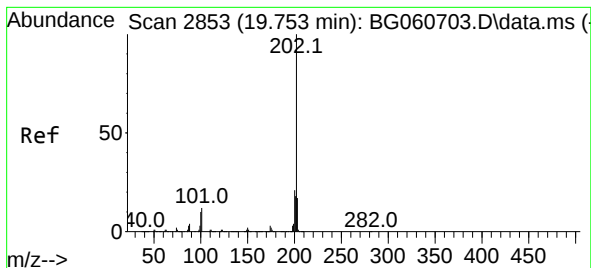
Tgt Ion:202 Resp: 311358
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.8
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:240 Resp: 529213
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.6 20.7 31.1





#78

Pyrene

Concen: 5.688 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

Instrument :

BNA_G

ClientSampleId :

72-11991

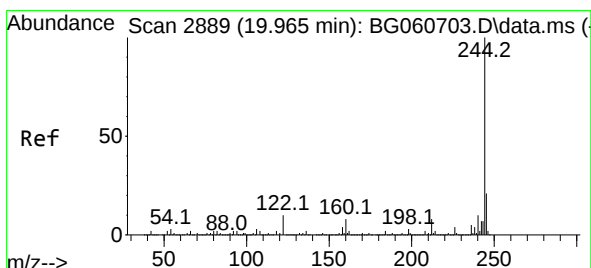
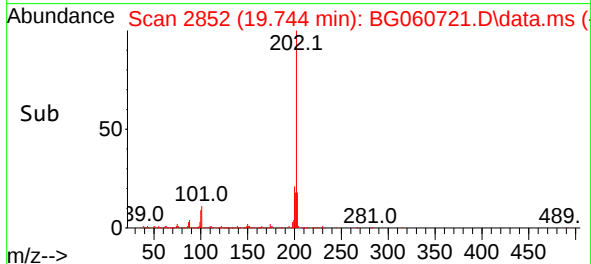
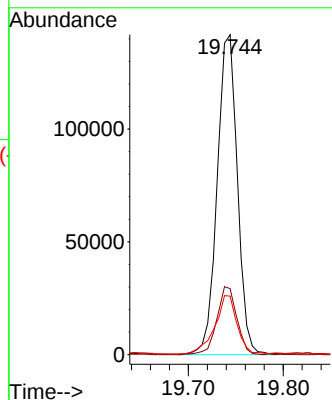
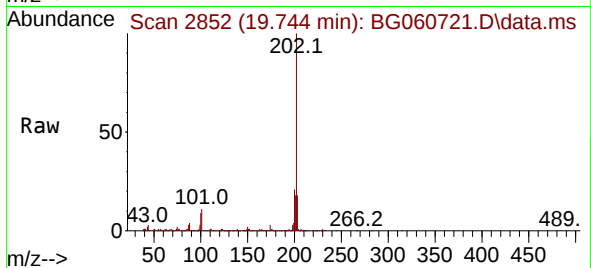
Tgt Ion:202 Resp: 210519

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 18.3 14.0 21.0



#79

Terphenyl-d14

Concen: 59.165 ng

RT: 19.955 min Scan# 2888

Delta R.T. -0.010 min

Lab File: BG060721.D

Acq: 1 Apr 2024 18:53

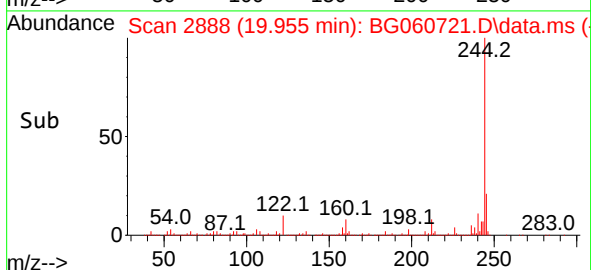
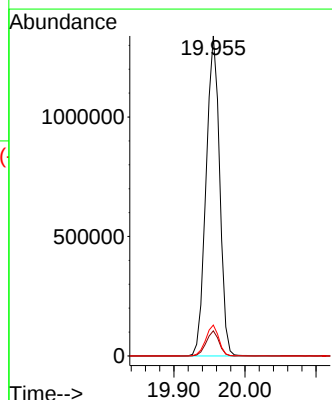
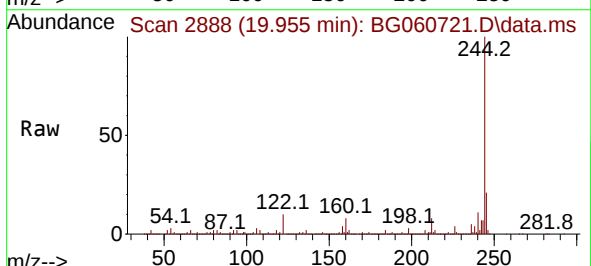
Tgt Ion:244 Resp: 1778192

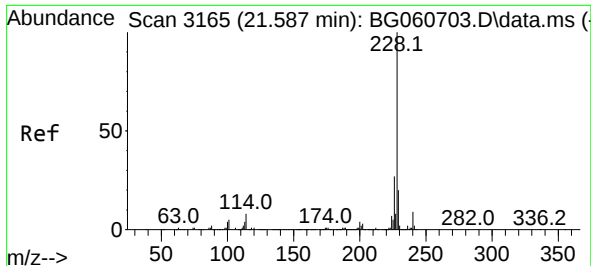
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

122 9.7 7.8 11.8

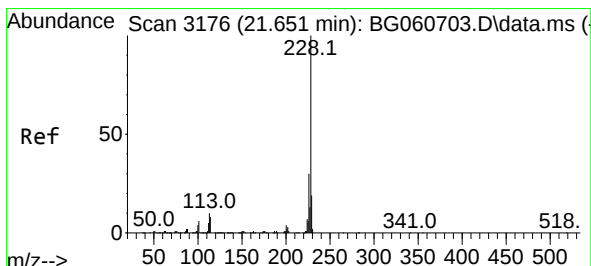
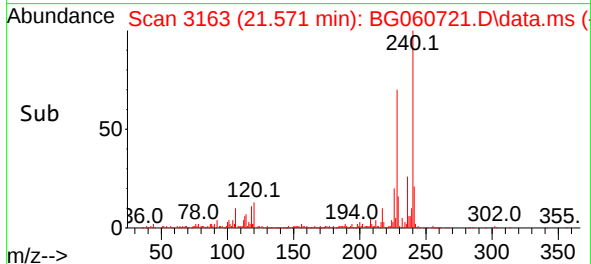
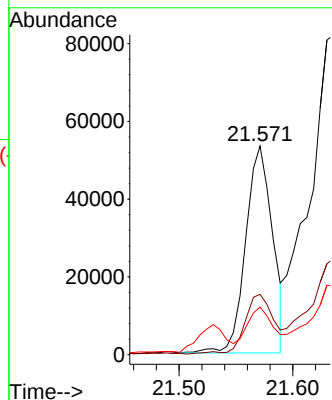
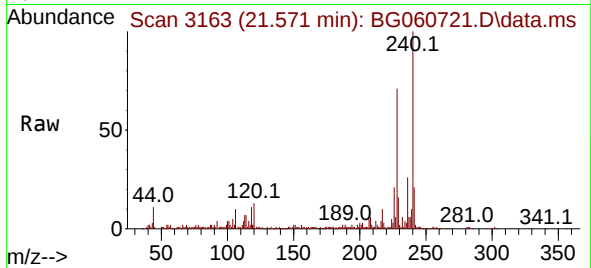




#81
Benzo(a)anthracene
Concen: 2.339 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

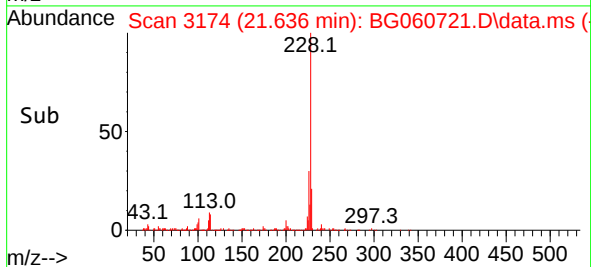
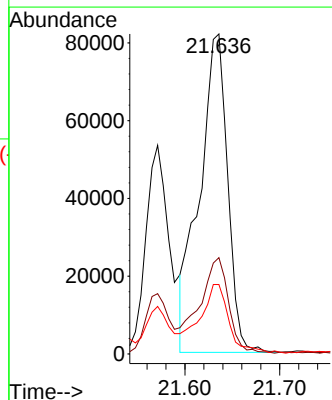
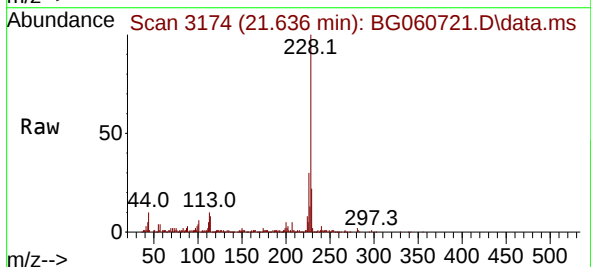
Instrument :
BNA_G
ClientSampleId :
72-11991

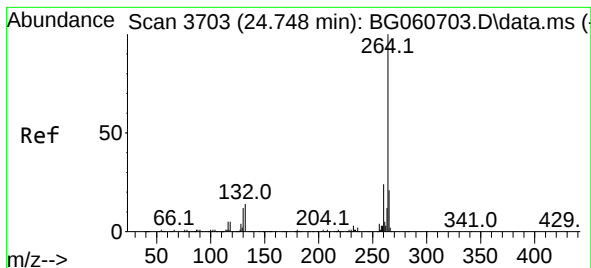
Tgt Ion:228 Resp: 87243
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 22.8 15.8 23.8



#83
Chrysene
Concen: 4.703 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:228 Resp: 169091
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 21.7 15.5 23.3



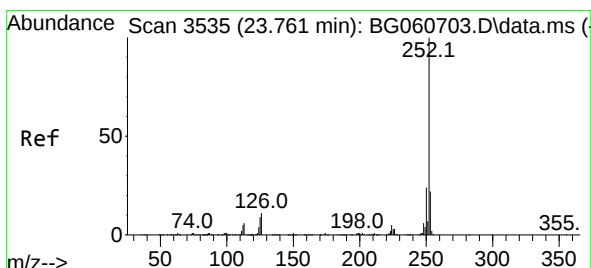
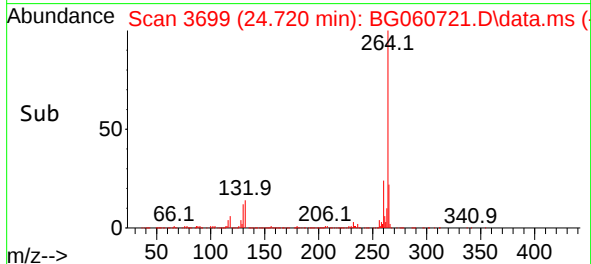
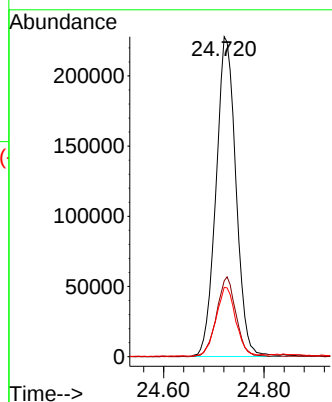
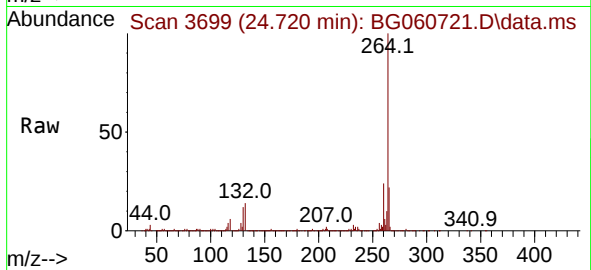


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.720 min Scan# 30
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion:264 Resp: 627164

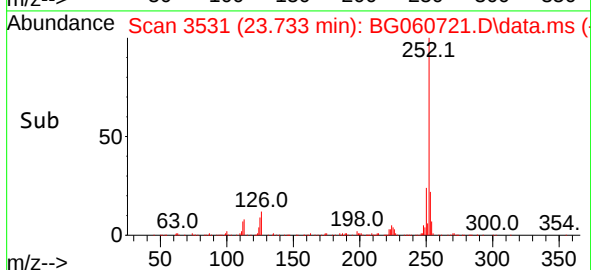
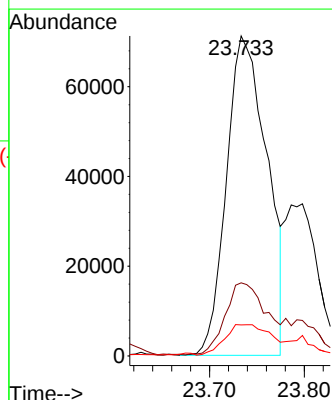
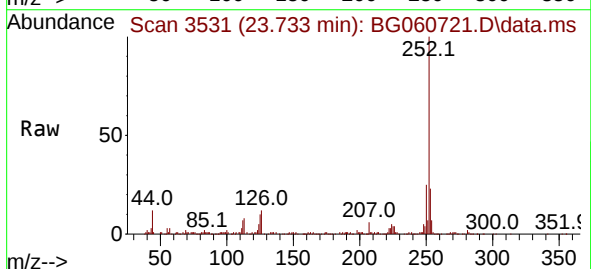
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	16.9	25.3

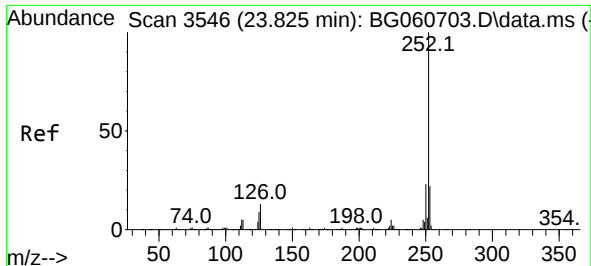


#88
Benzo(b)fluoranthene
Concen: 5.857 ng
RT: 23.733 min Scan# 3531
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:252 Resp: 211033

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	9.7	7.1	10.7

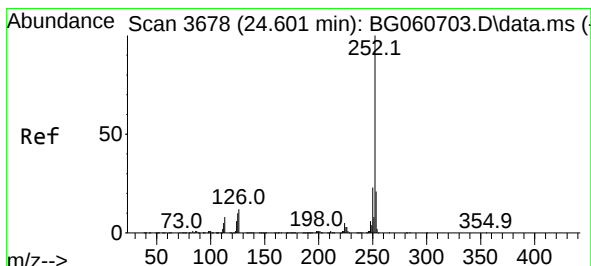
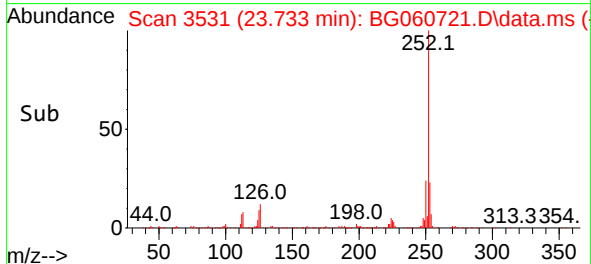
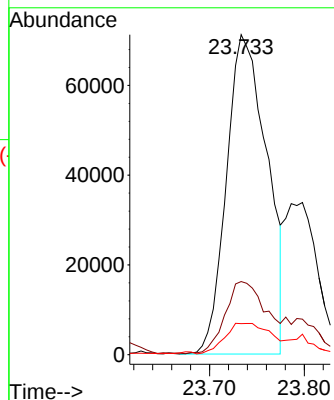
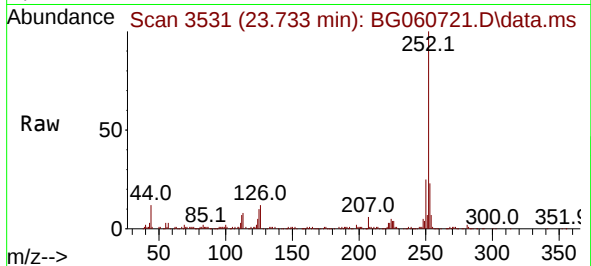




#89
Benzo(k)fluoranthene
Concen: 5.722 ng
RT: 23.733 min Scan# 31
Delta R.T. -0.092 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion:252 Resp: 211033
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.7 7.5 11.3



#90
Benzo(a)pyrene
Concen: 2.148 ng
RT: 24.574 min Scan# 3674
Delta R.T. -0.027 min
Lab File: BG060721.D
Acq: 1 Apr 2024 18:53

Tgt Ion:252 Resp: 75226
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 12.9 7.6 11.4#

