

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060503.D
 Acq On : 31 Jan 2024 4:06
 Operator : MA/JU
 Sample : P1277-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-40

Quant Time: Jan 31 04:44:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

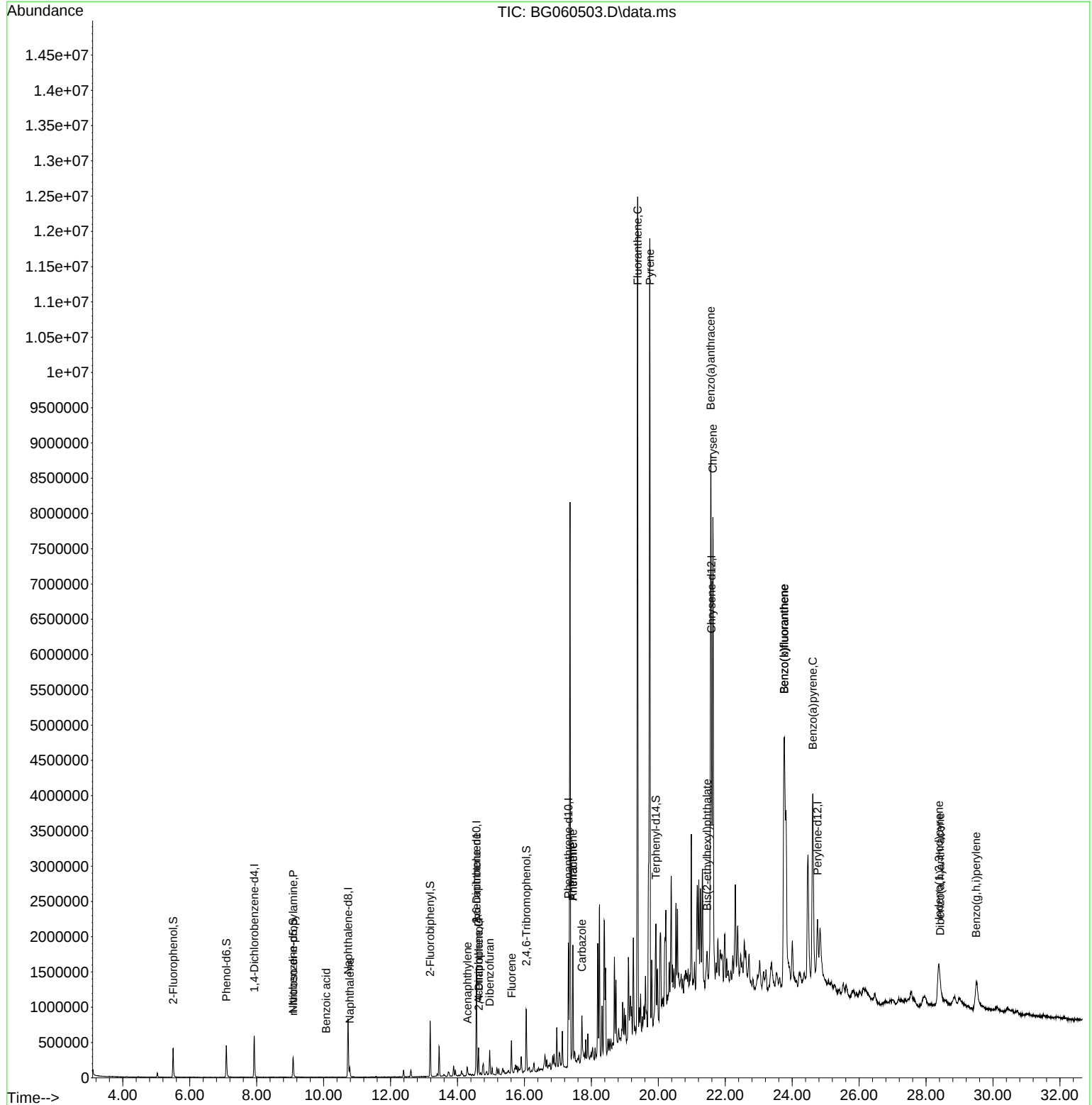
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	188143	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	773810	20.000	ng	0.00
39) Acenaphthene-d10	14.565	164	550980	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1237591	20.000	ng	0.00
76) Chrysene-d12	21.586	240	1053285	20.000	ng	0.00
86) Perylene-d12	24.759	264	1064713	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	221788	19.389	ng	0.00
7) Phenol-d6	7.091	99	328072	19.369	ng	0.00
23) Nitrobenzene-d5	9.089	82	205288	12.527	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	162908	20.096	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	453313	11.439	ng	0.00
79) Terphenyl-d14	19.929	244	582552	7.021	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	9.095	70	25390	2.166	ng	# 81
31) Naphthalene	10.781	128	111370	2.746	ng	98
32) Benzoic acid	10.076	122	62	10.207	ng	# 58
49) Acenaphthylene	14.295	152	121082	2.468	ng	98
51) 2,6-Dinitrotoluene	14.565	165	80823	8.996	ng	# 33
52) Acenaphthene	14.630	154	138041	4.518	ng	93
54) 2,4-Dinitrophenol	14.635	184	58	8.596	ng	# 1
55) Dibenzofuran	14.964	168	218713	4.288	ng	99
58) Fluorene	15.617	166	224135	5.307	ng	97
71) Phenanthrene	17.450	178	1193401	19.950	ng	92
72) Anthracene	17.450	178	1193401	19.982	ng	93
73) Carbazole	17.720	167	478571	8.500	ng	# 95
75) Fluoranthene	19.383	202	6825661	95.000	ng	80
78) Pyrene	19.747	202	6890327	102.440	ng	# 79
81) Benzo(a)anthracene	21.569	228	4946774	75.864	ng	98
83) Chrysene	21.633	228	4722103	73.632	ng	97
84) Bis(2-ethylhexyl)phtha...	21.463	149	95922	2.743	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.384	276	1457224	19.684	ng	# 86
88) Benzo(b)fluoranthene	23.760	252	5129810	81.557	ng	99
89) Benzo(k)fluoranthene	23.760	252	5129810	82.647	ng	99
90) Benzo(a)pyrene	24.618	252	4038964	71.084	ng	97
91) Dibenzo(a,h)anthracene	28.425	278	364272	6.025	ng	# 93
92) Benzo(g,h,i)perylene	29.500	276	1149742	18.555	ng	97

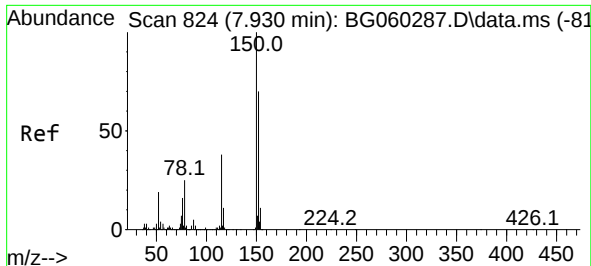
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060503.D
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Operator : MA/JU
Sample : P1277-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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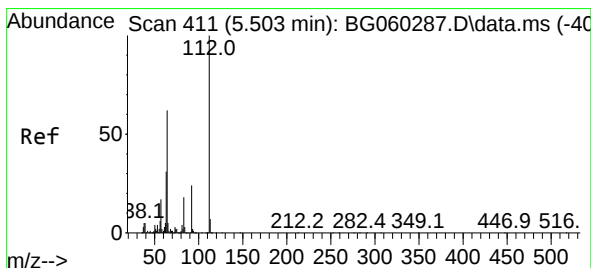
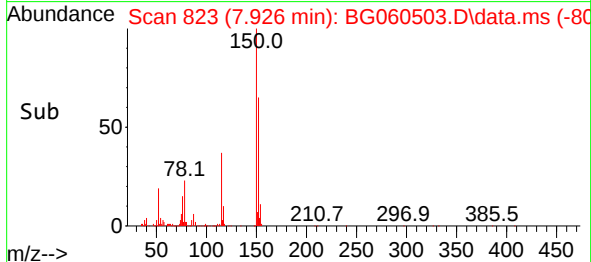
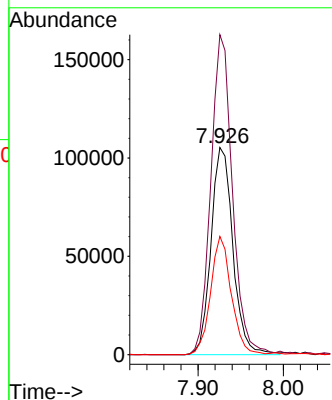
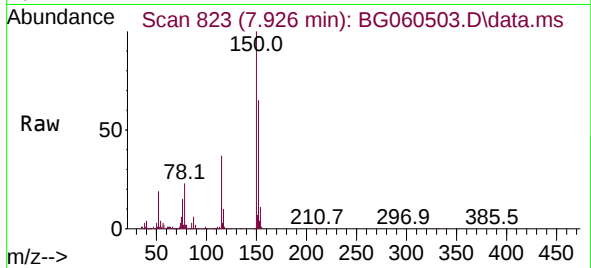




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

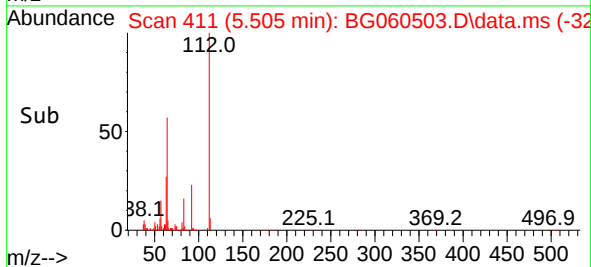
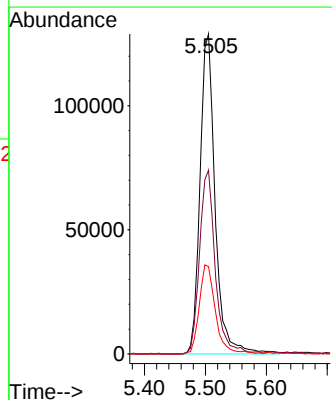
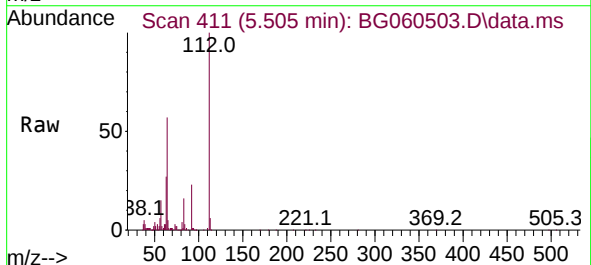
Instrument :
BNA_G
ClientSampleId :
TP-40

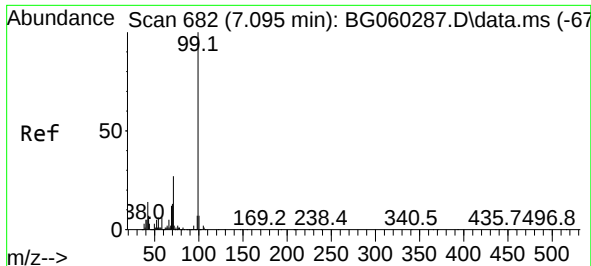
Tgt Ion:152 Resp: 188143
Ion Ratio Lower Upper
152 100
150 154.4 114.5 171.7
115 57.0 43.0 64.6



#5
2-Fluorophenol
Concen: 19.389 ng
RT: 5.505 min Scan# 411
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:112 Resp: 221788
Ion Ratio Lower Upper
112 100
64 57.4 49.8 74.6
63 27.3 24.4 36.6

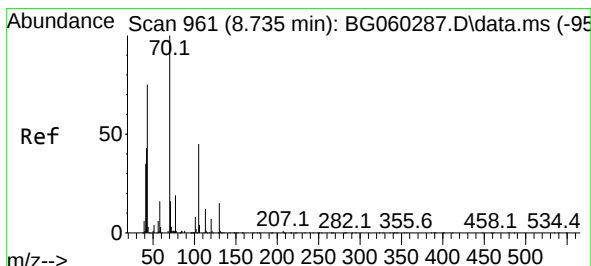
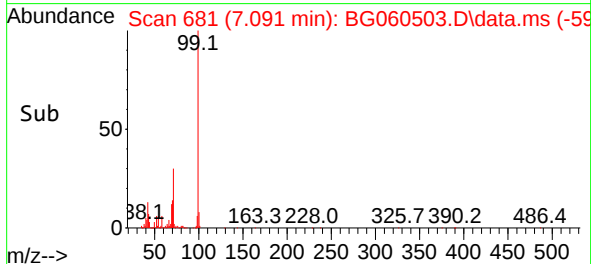
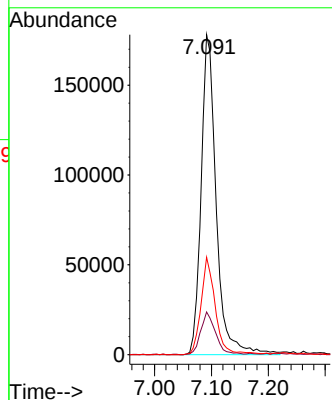
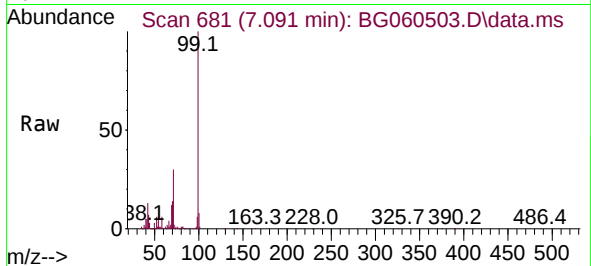




#7
Phenol-d6
Concen: 19.369 ng
RT: 7.091 min Scan# 681
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

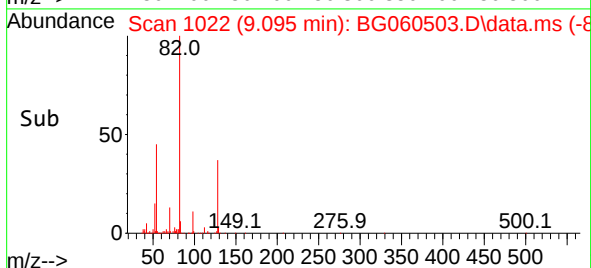
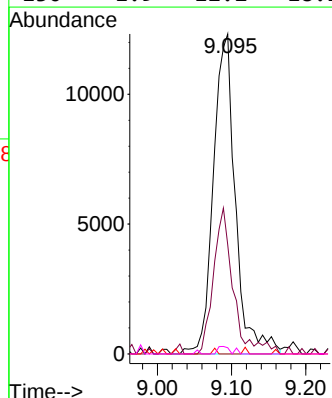
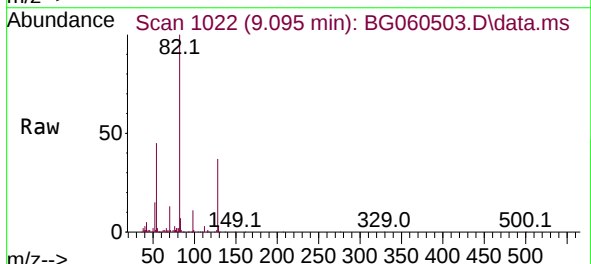
Instrument :
BNA_G
ClientSampleId :
TP-40

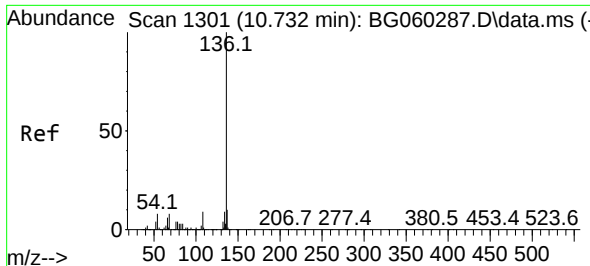
Tgt Ion: 99 Resp: 328072
Ion Ratio Lower Upper
99 100
42 13.3 10.9 16.3
71 30.4 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.166 ng
RT: 9.095 min Scan# 1022
Delta R.T. 0.360 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion: 70 Resp: 25390
Ion Ratio Lower Upper
70 100
42 34.1 34.3 51.5#
101 0.0 6.2 9.2#
130 1.9 12.2 18.2#

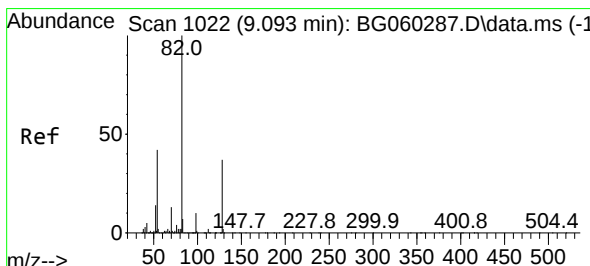
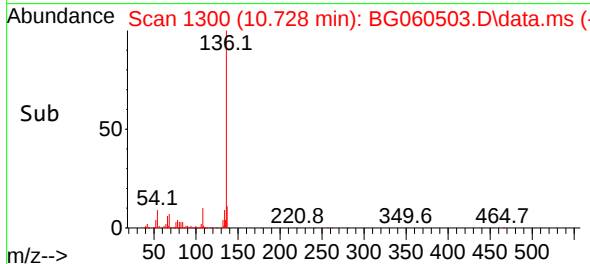
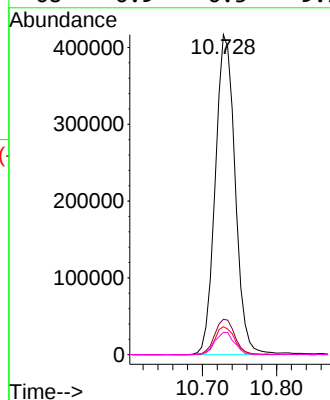
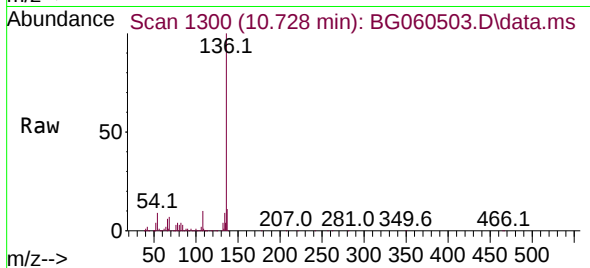




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1301
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

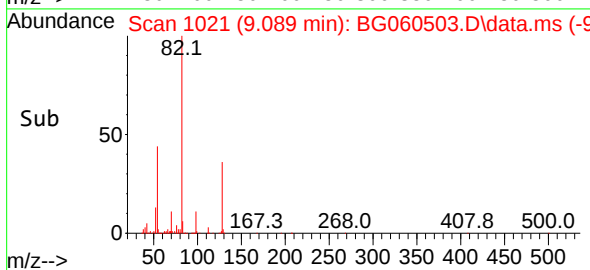
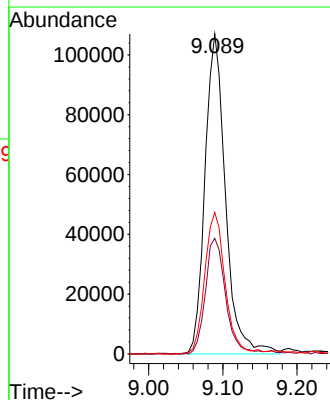
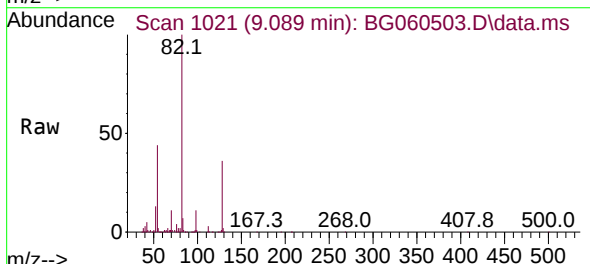
Instrument :
BNA_G
ClientSampleId :
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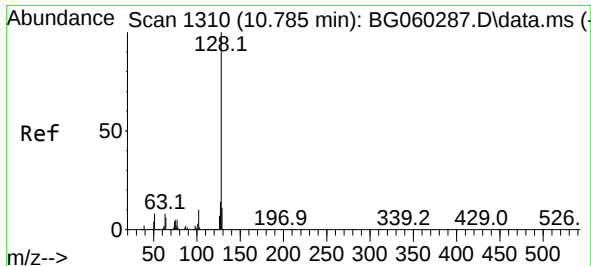
Tgt Ion:	136	Resp:	773810
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.2	12.4
54	8.7	6.2	9.2
68	6.9	6.3	9.5



#23
Nitrobenzene-d5
Concen: 12.527 ng
RT: 9.089 min Scan# 1021
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:	82	Resp:	205288
Ion Ratio	Lower	Upper	
82	100		
128	36.1	29.6	44.4
54	44.2	33.6	50.4

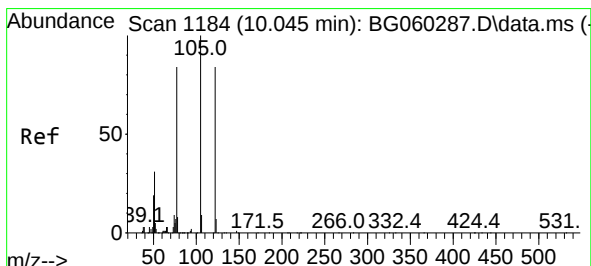
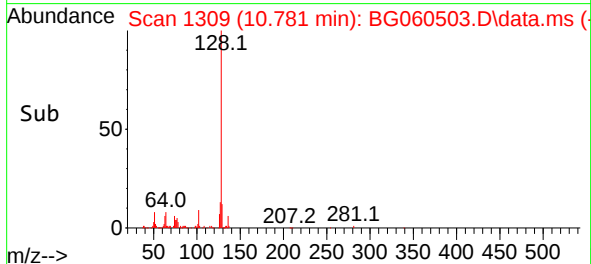
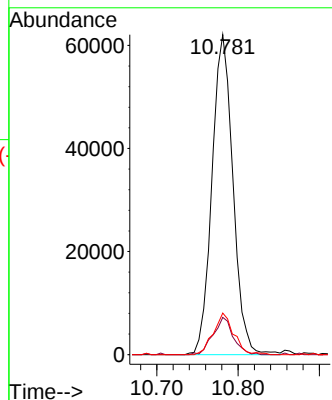
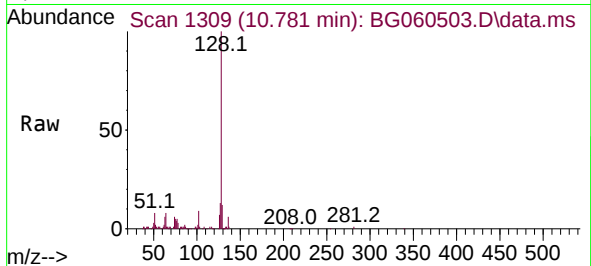




#31
Naphthalene
Concen: 2.746 ng
RT: 10.781 min Scan# 1189
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

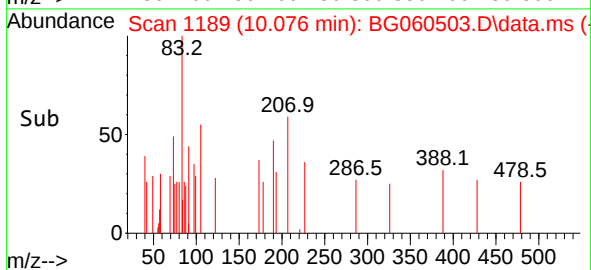
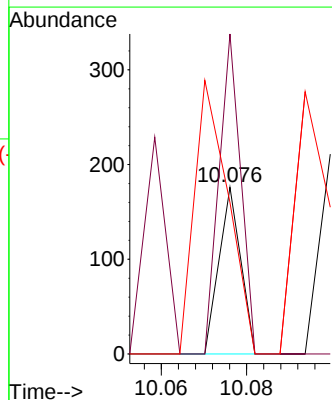
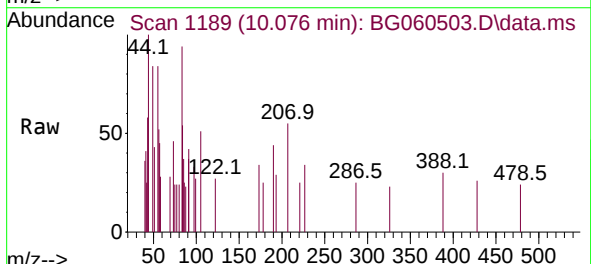
Instrument :
BNA_G
ClientSampleId :
TP-40

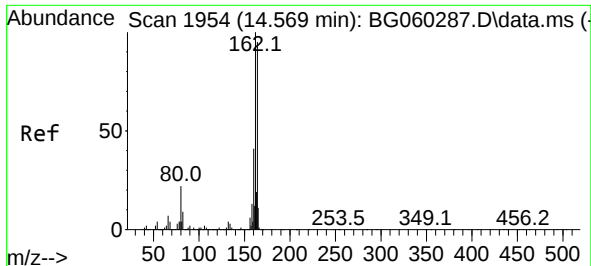
Tgt Ion:128 Resp: 111370
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.0 10.9 16.3



#32
Benzoic acid
Concen: 10.207 ng
RT: 10.076 min Scan# 1189
Delta R.T. 0.031 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 192.0 96.0 136.0#
77 90.9 80.1 120.1

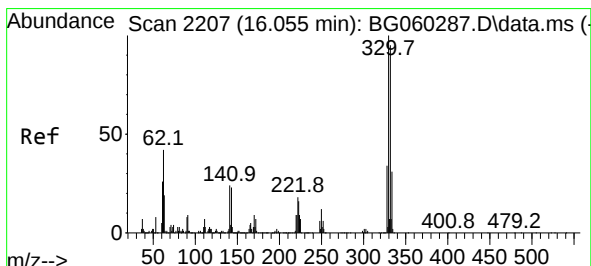
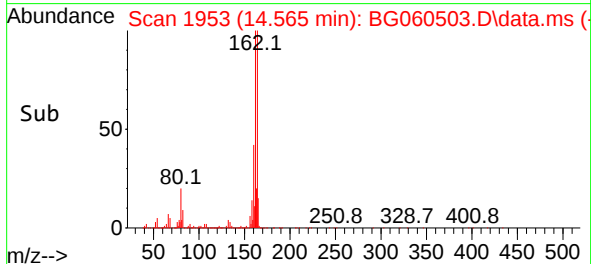
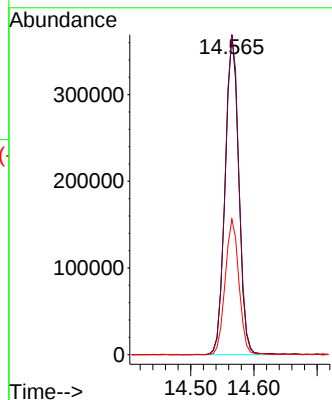
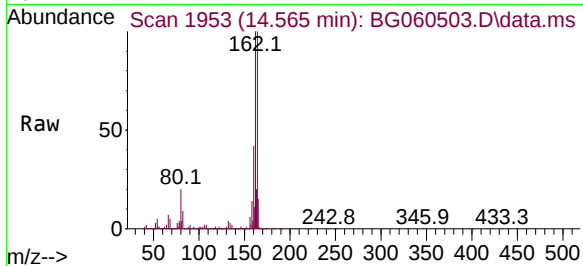




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

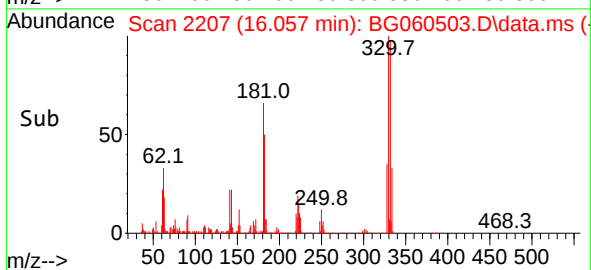
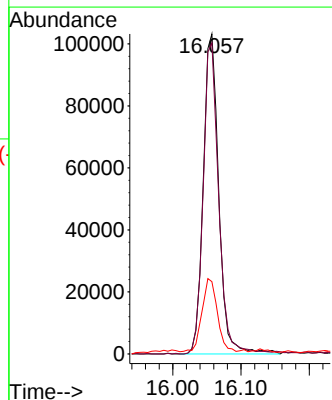
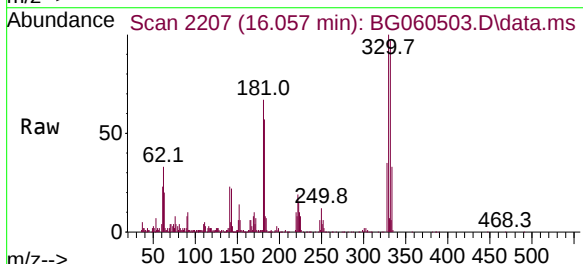
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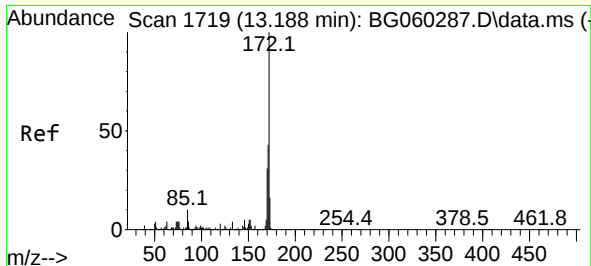
Tgt Ion:164 Resp: 550980
Ion Ratio Lower Upper
164 100
162 99.9 84.4 126.6
160 42.3 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 20.096 ng
RT: 16.057 min Scan# 2207
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:330 Resp: 162908
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 23.9 18.6 28.0

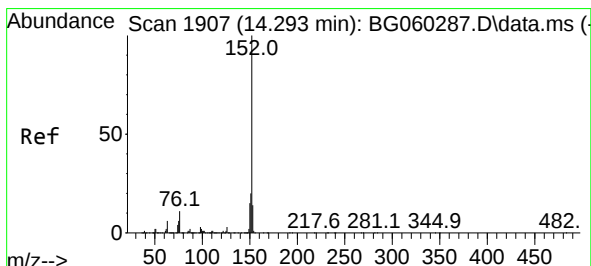
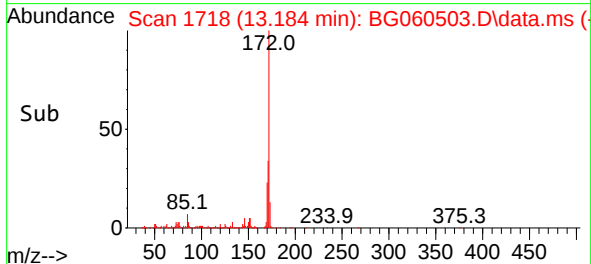
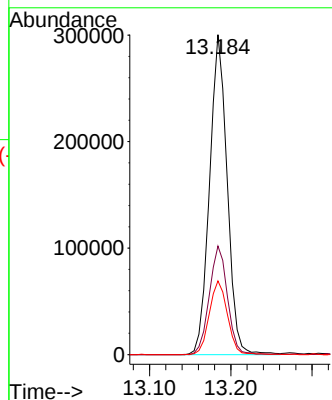
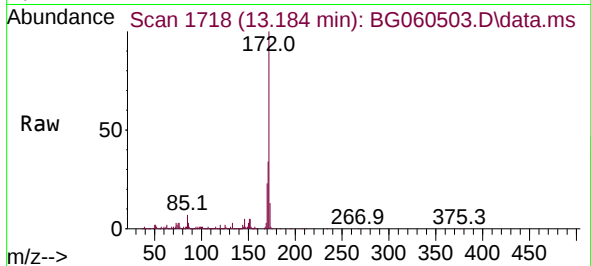




#45
2-Fluorobiphenyl
Concen: 11.439 ng
RT: 13.184 min Scan# 1719
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

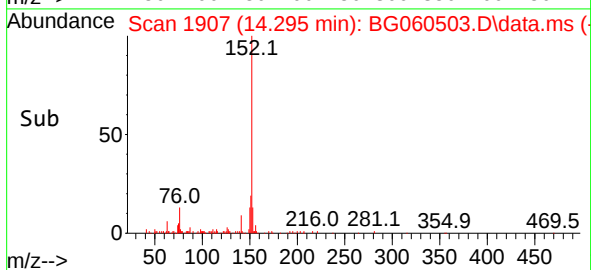
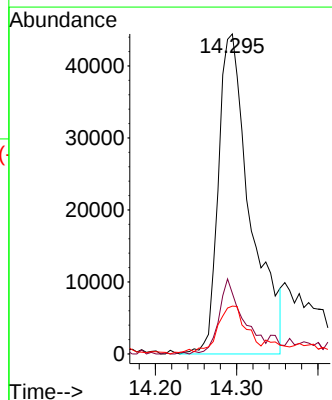
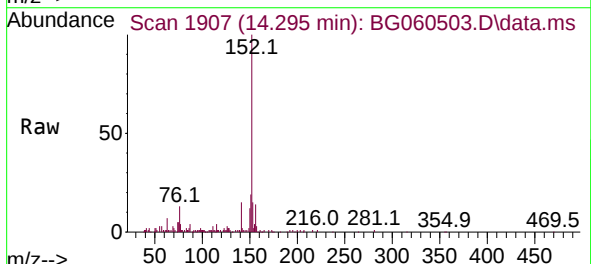
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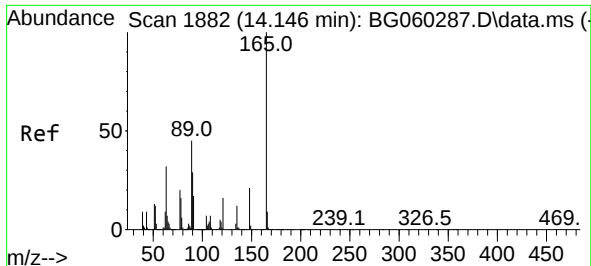
Tgt Ion:172 Resp: 453313
Ion Ratio Lower Upper
172 100
171 33.9 34.6 51.8#
170 23.0 24.4 36.6#



#49
Acenaphthylene
Concen: 2.468 ng
RT: 14.295 min Scan# 1907
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:152 Resp: 121082
Ion Ratio Lower Upper
152 100
151 18.9 16.1 24.1
153 14.9 11.5 17.3

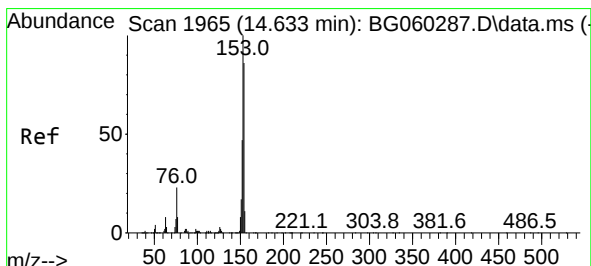
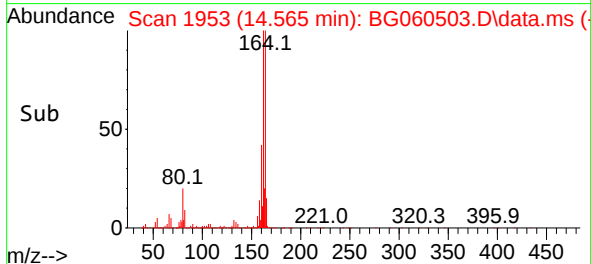
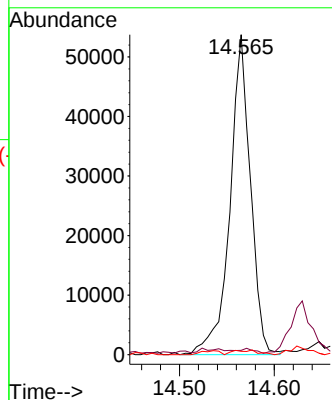
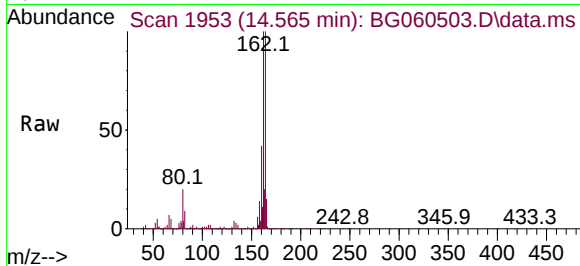




#51
2,6-Dinitrotoluene
Concen: 8.996 ng
RT: 14.565 min Scan# 1953
Delta R.T. 0.419 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

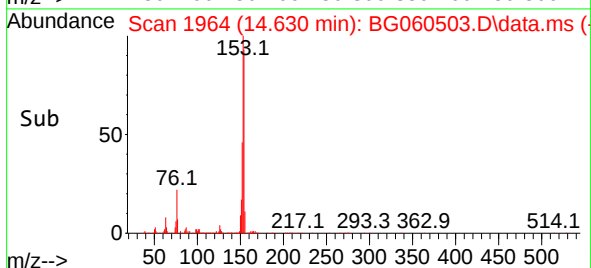
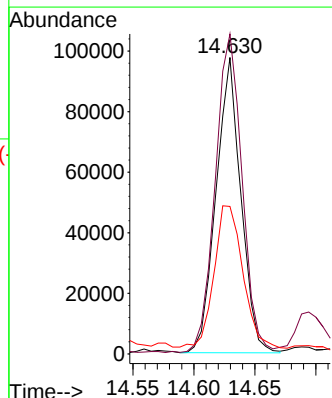
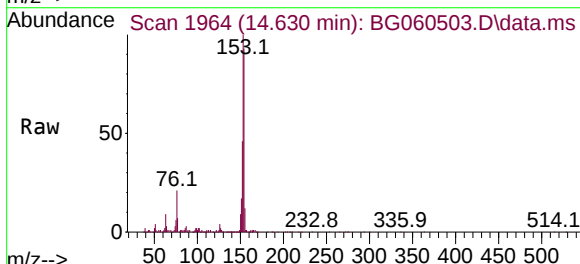
Instrument :
BNA_G
ClientSampleId :
TP-40

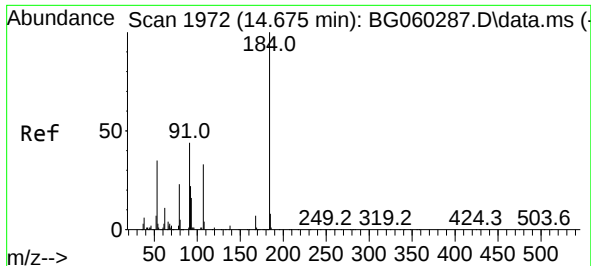
Tgt Ion:165 Resp: 80823
Ion Ratio Lower Upper
165 100
63 1.3 35.0 52.4#
89 1.0 36.2 54.2#



#52
Acenaphthene
Concen: 4.518 ng
RT: 14.630 min Scan# 1964
Delta R.T. -0.003 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:154 Resp: 138041
Ion Ratio Lower Upper
154 100
153 107.9 92.6 138.8
152 49.7 43.8 65.8

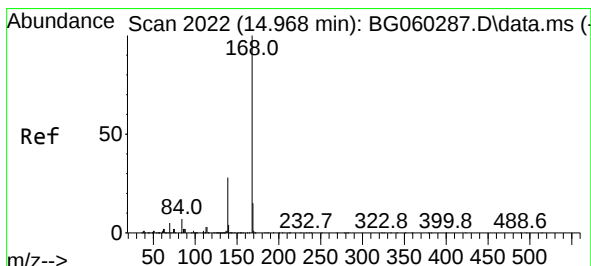
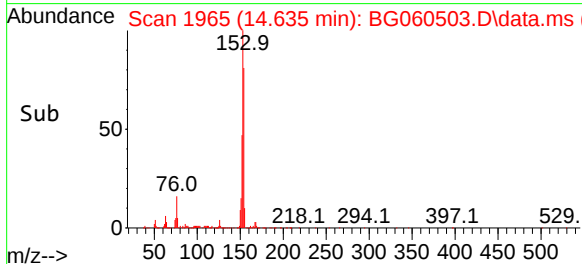
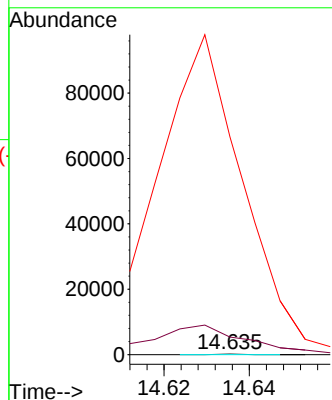
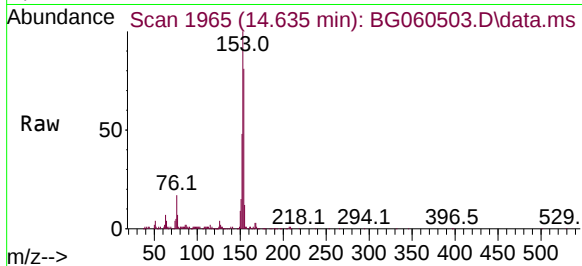




#54
2,4-Dinitrophenol
Concen: 8.596 ng
RT: 14.635 min Scan# 1972
Delta R.T. -0.040 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

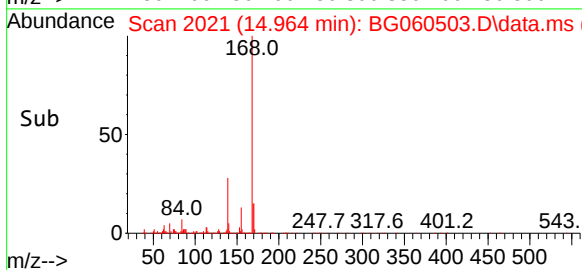
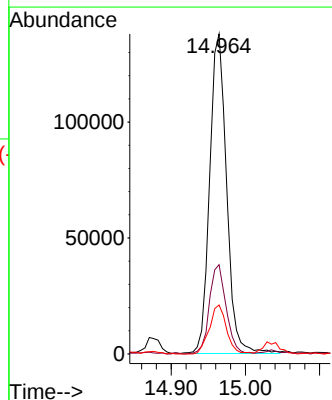
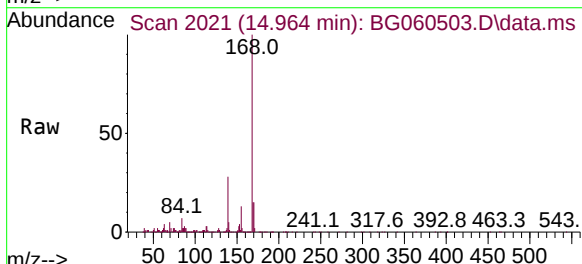
Instrument :
BNA_G
ClientSampleId :
TP-40

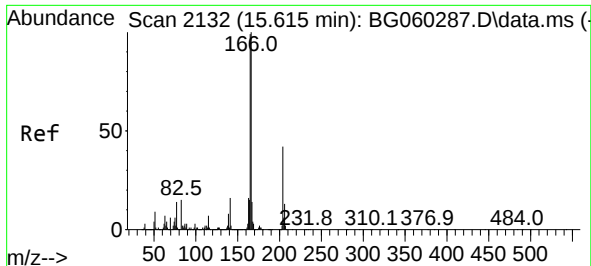
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 3257.0 41.0 61.4#
154 40358.8 39.2 58.8#



#55
Dibenzofuran
Concen: 4.288 ng
RT: 14.964 min Scan# 2021
Delta R.T. -0.004 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:168 Resp: 218713
Ion Ratio Lower Upper
168 100
139 27.9 22.6 34.0
169 15.3 12.1 18.1

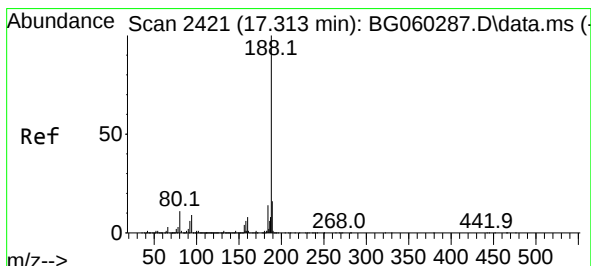
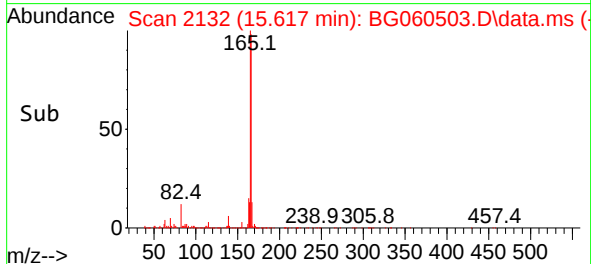
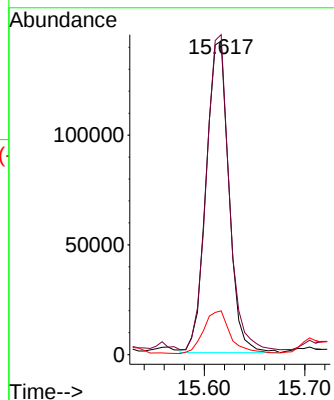
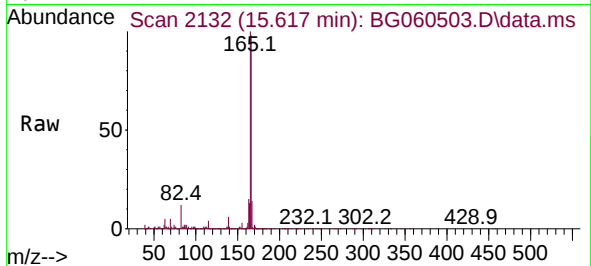




#58
Fluorene
Concen: 5.307 ng
RT: 15.617 min Scan# 2132
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

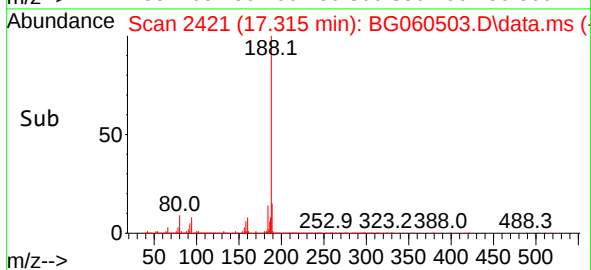
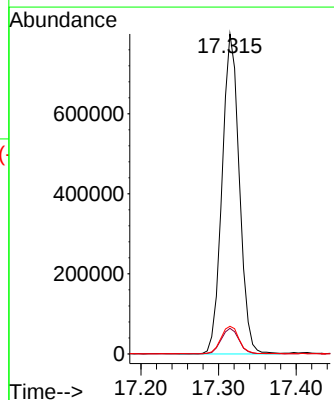
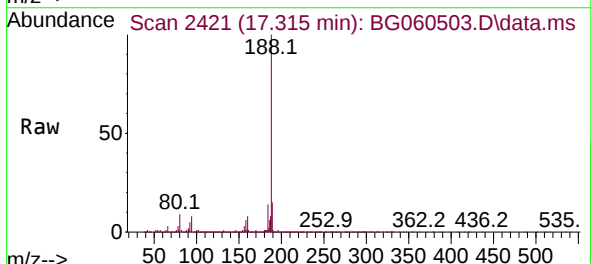
Instrument :
BNA_G
ClientSampleId :
TP-40

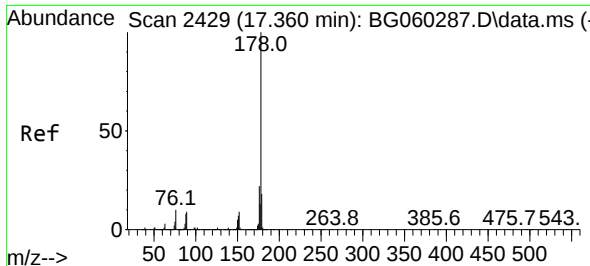
Tgt Ion:166 Resp: 224135
Ion Ratio Lower Upper
166 100
165 102.1 79.0 118.6
167 14.0 11.4 17.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2421
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:188 Resp: 1237591
Ion Ratio Lower Upper
188 100
94 8.0 7.1 10.7
80 8.6 8.5 12.7

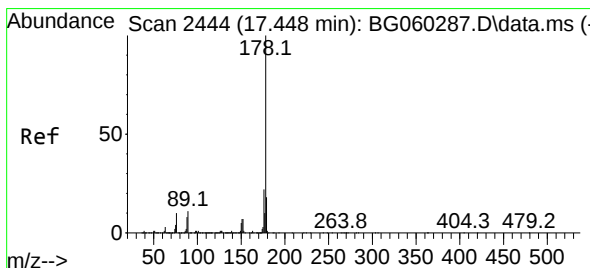
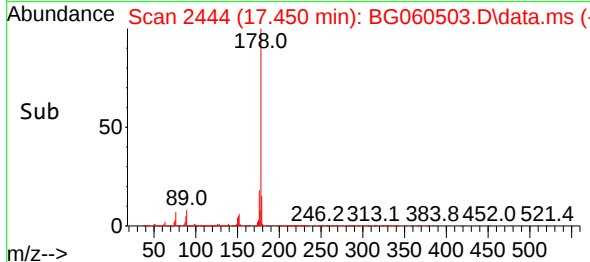
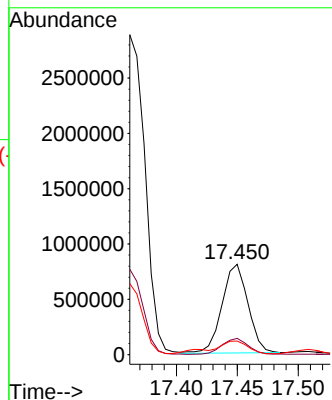
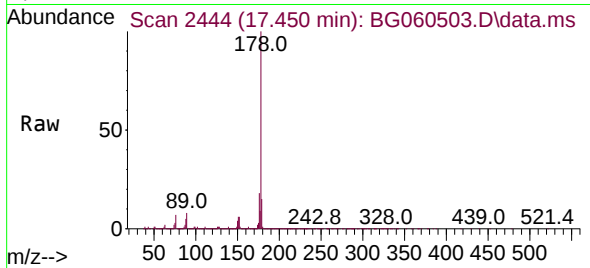




#71
Phenanthrene
Concen: 19.950 ng
RT: 17.450 min Scan# 2444
Delta R.T. 0.090 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

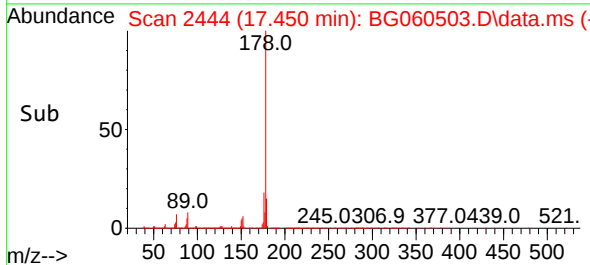
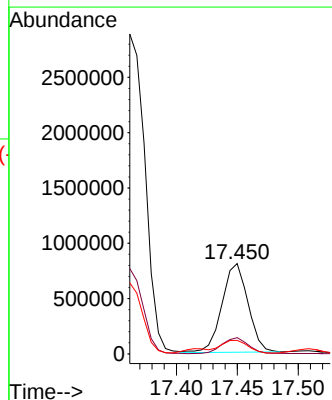
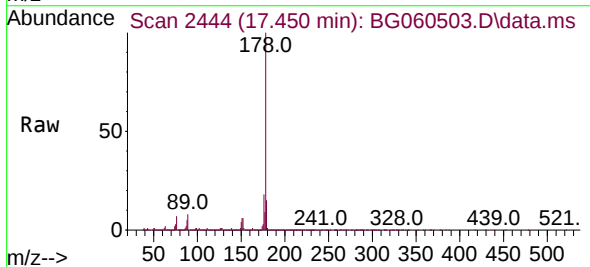
Instrument :
BNA_G
ClientSampleId :
TP-40

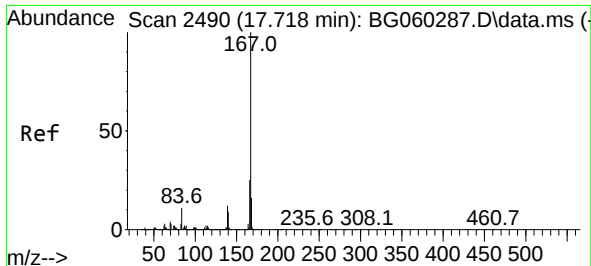
Tgt Ion:178 Resp: 1193401
Ion Ratio Lower Upper
178 100
176 18.1 17.4 26.2
179 15.1 14.7 22.1



#72
Anthracene
Concen: 19.982 ng
RT: 17.450 min Scan# 2444
Delta R.T. 0.002 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

Tgt Ion:178 Resp: 1193401
Ion Ratio Lower Upper
178 100
176 18.1 17.8 26.6
179 15.1 14.1 21.1

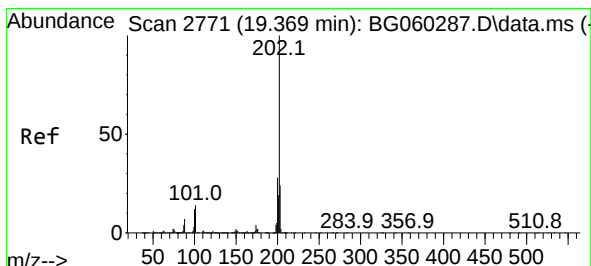
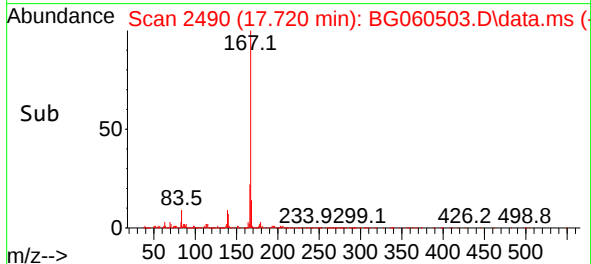
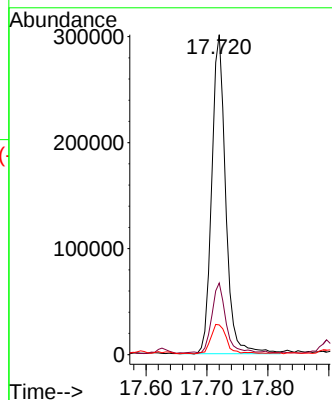
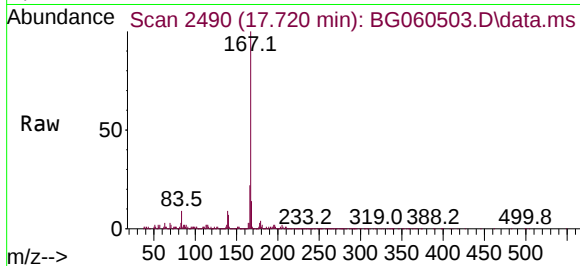




#73
 Carbazole
 Concen: 8.500 ng
 RT: 17.720 min Scan# 2490
 Delta R.T. 0.002 min
 Lab File: BG060503.D
 Acq: 31 Jan 2024 4:06

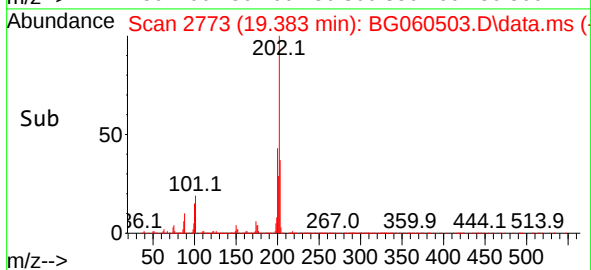
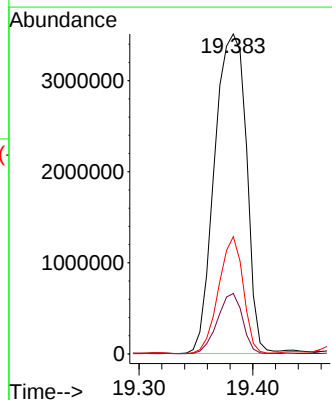
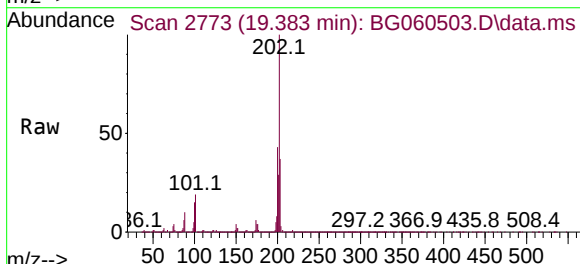
Instrument :
 BNA_G
 ClientSampleId :
 TP-40

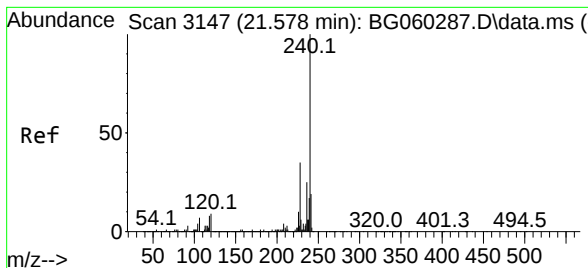
Tgt Ion:167 Resp: 478571
 Ion Ratio Lower Upper
 167 100
 166 22.4 19.8 29.8
 139 9.3 9.3 13.9#



#75
 Fluoranthene
 Concen: 95.000 ng
 RT: 19.383 min Scan# 2773
 Delta R.T. 0.014 min
 Lab File: BG060503.D
 Acq: 31 Jan 2024 4:06

Tgt Ion:202 Resp: 6825661
 Ion Ratio Lower Upper
 202 100
 101 18.9 0.0 34.4
 203 36.6 4.0 44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

Instrument :

BNA_G

ClientSampleId :

TP-40

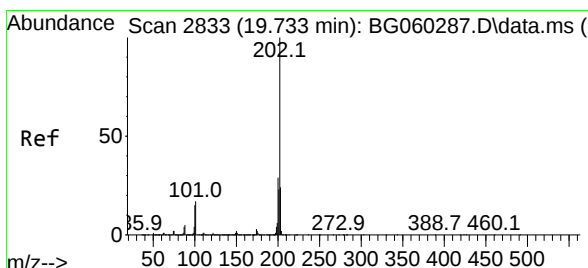
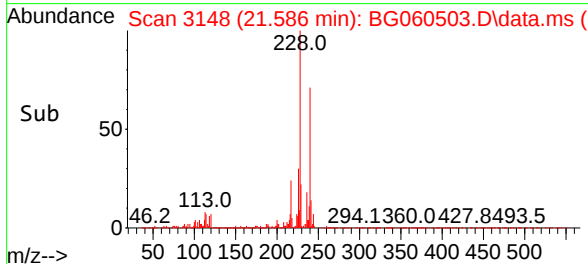
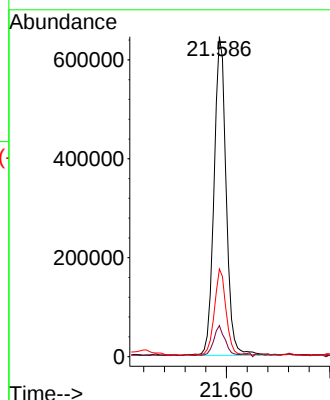
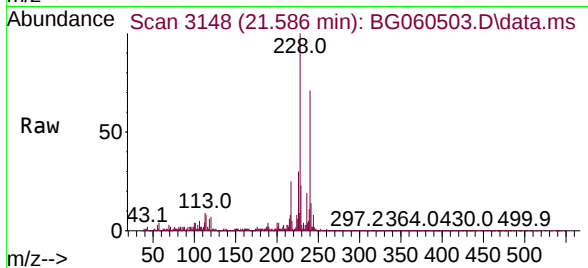
Tgt Ion:240 Resp: 1053285

Ion Ratio Lower Upper

240 100

120 9.7 7.3 10.9

236 27.4 20.3 30.5



#78

Pyrene

Concen: 102.440 ng

RT: 19.747 min Scan# 2835

Delta R.T. 0.014 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

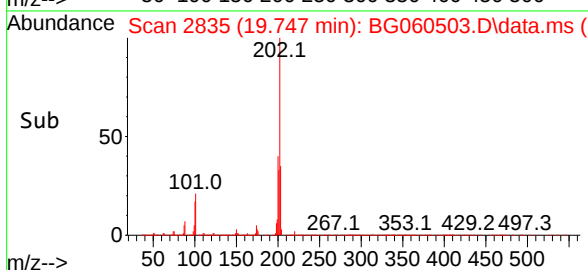
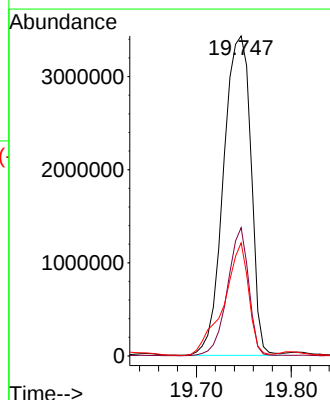
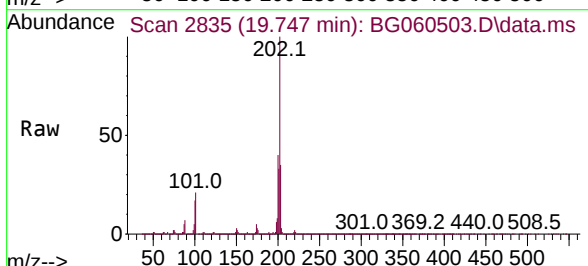
Tgt Ion:202 Resp: 6890327

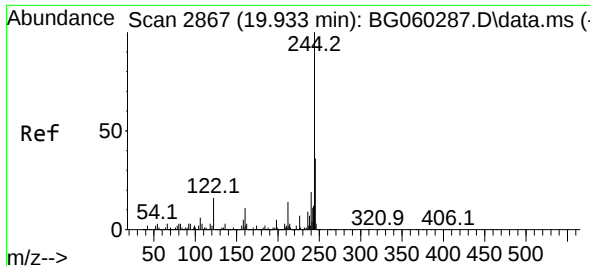
Ion Ratio Lower Upper

202 100

200 40.1 23.5 35.3#

203 35.3 19.6 29.4#





#79

Terphenyl-d14

Concen: 7.021 ng

RT: 19.929 min Scan# 2866

Delta R.T. -0.004 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

Instrument :

BNA_G

ClientSampleId :

TP-40

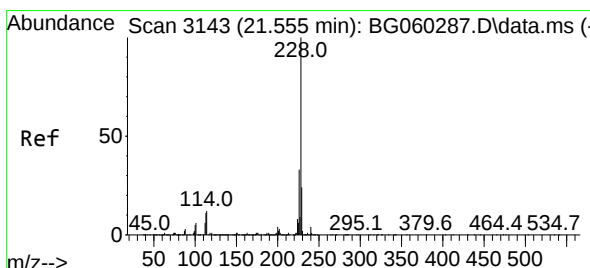
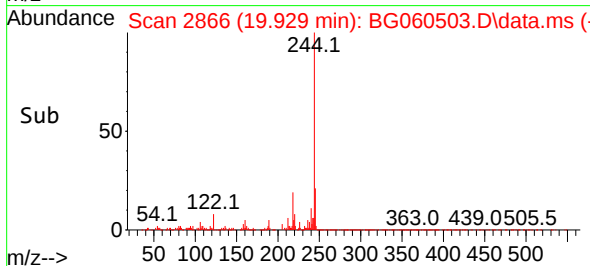
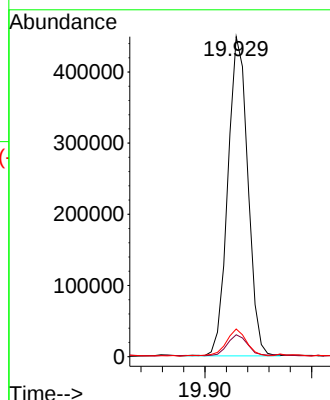
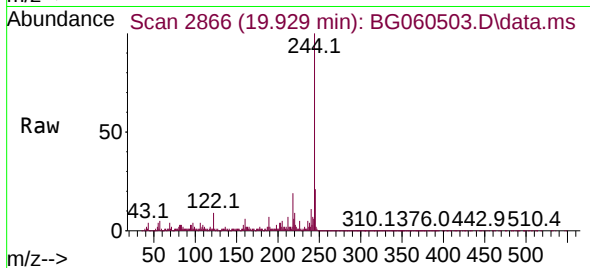
Tgt Ion:244 Resp: 582552

Ion Ratio Lower Upper

244 100

212 6.8 10.9 16.3#

122 8.6 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 75.864 ng

RT: 21.569 min Scan# 3145

Delta R.T. 0.014 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

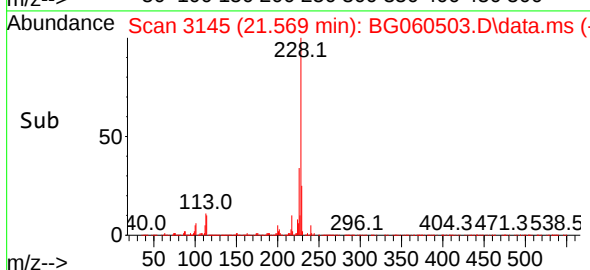
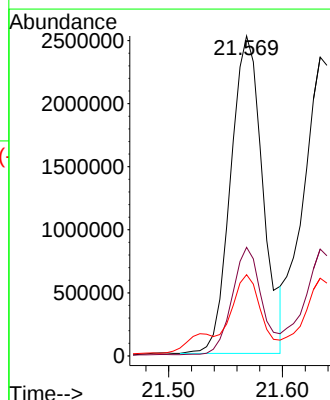
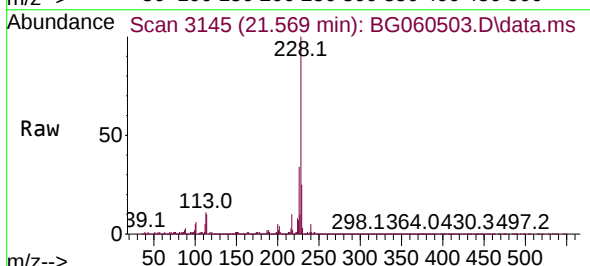
Tgt Ion:228 Resp: 4946774

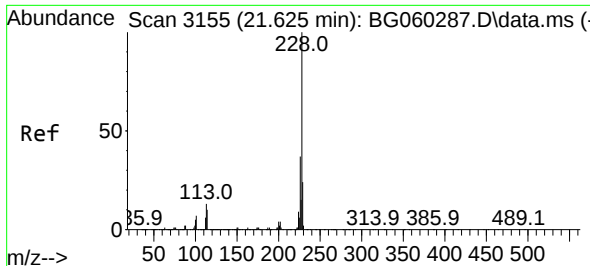
Ion Ratio Lower Upper

228 100

226 33.9 26.2 39.2

229 25.4 19.4 29.2





#83

Chrysene

Concen: 73.632 ng

RT: 21.633 min Scan# 3155

Delta R.T. 0.008 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

Instrument :

BNA_G

ClientSampleId :

TP-40

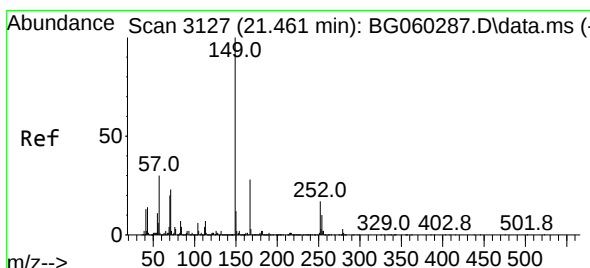
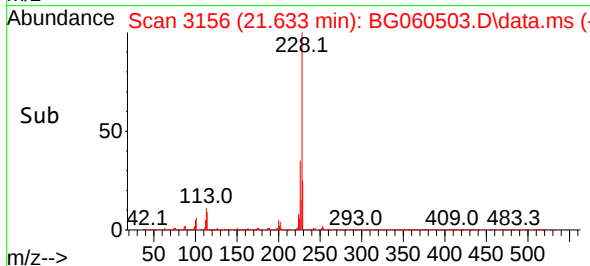
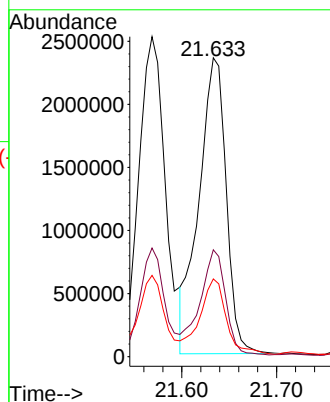
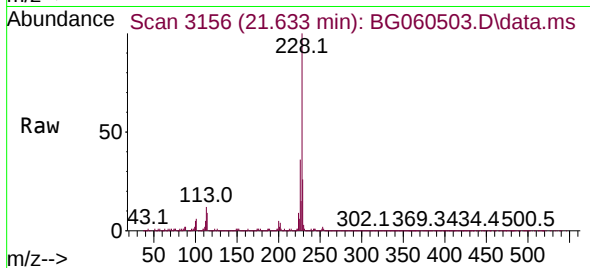
Tgt Ion:228 Resp: 4722103

Ion Ratio Lower Upper

228 100

226 35.7 29.4 44.2

229 26.0 19.2 28.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.743 ng

RT: 21.463 min Scan# 3127

Delta R.T. 0.002 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

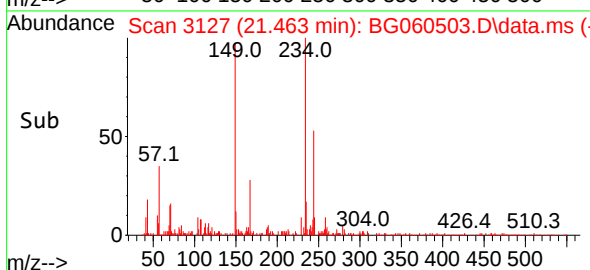
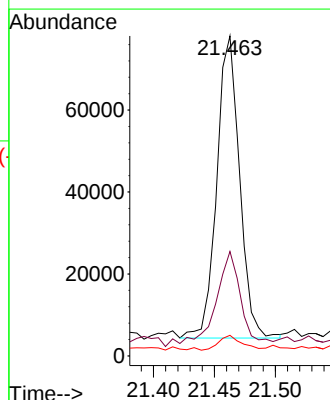
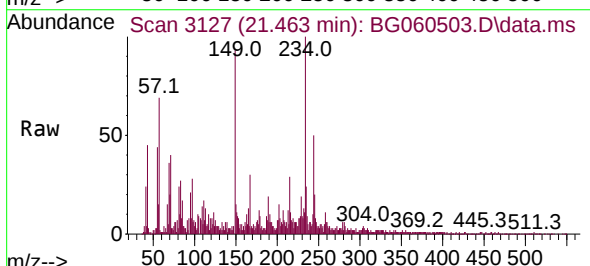
Tgt Ion:149 Resp: 95922

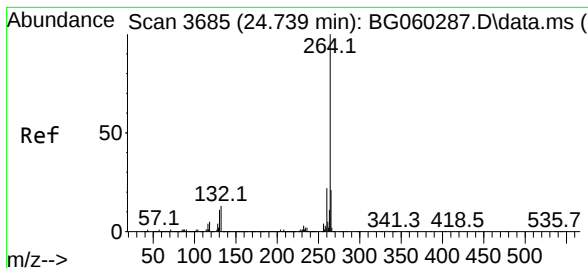
Ion Ratio Lower Upper

149 100

167 32.7 22.2 33.2

279 6.4 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.759 min Scan# 30

Delta R.T. 0.020 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

Instrument :

BNA_G

ClientSampleId :

TP-40

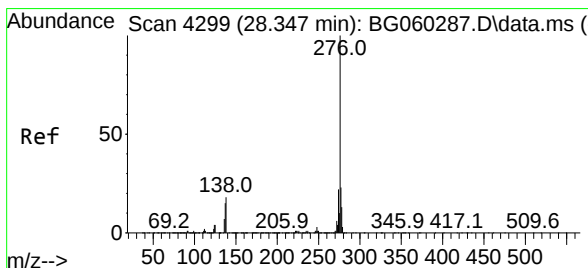
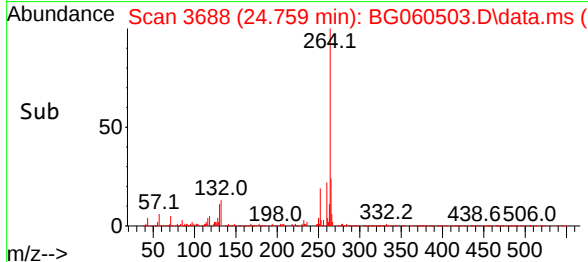
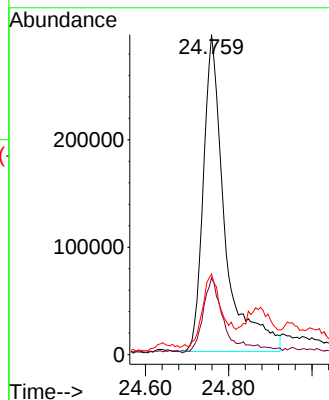
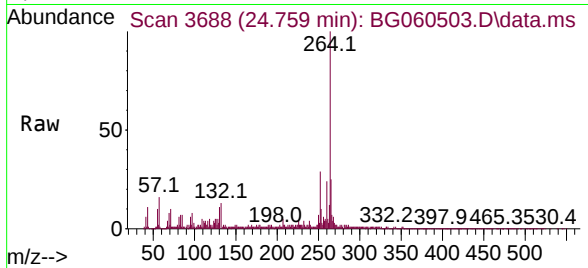
Tgt Ion:264 Resp: 1064713

Ion Ratio Lower Upper

264 100

260 24.0 17.8 26.6

265 25.2 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.684 ng

RT: 28.384 min Scan# 4305

Delta R.T. 0.037 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

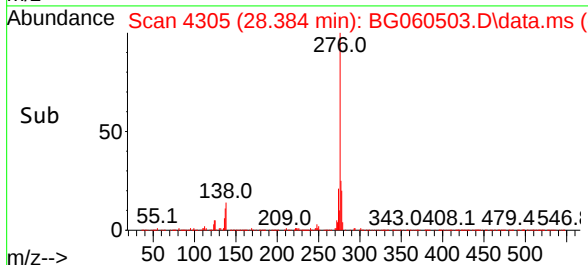
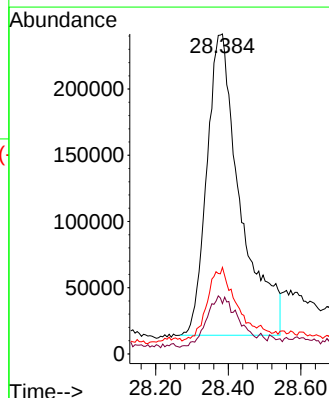
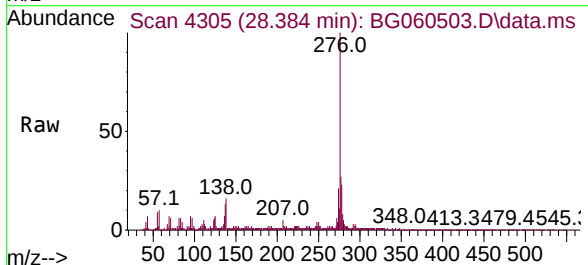
Tgt Ion:276 Resp: 1457224

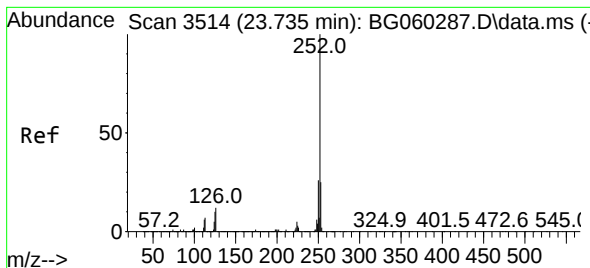
Ion Ratio Lower Upper

276 100

138 8.1 12.5 18.7#

277 19.9 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 81.557 ng

RT: 23.760 min Scan# 3518

Delta R.T. 0.025 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

Instrument :

BNA_G

ClientSampleId :

TP-40

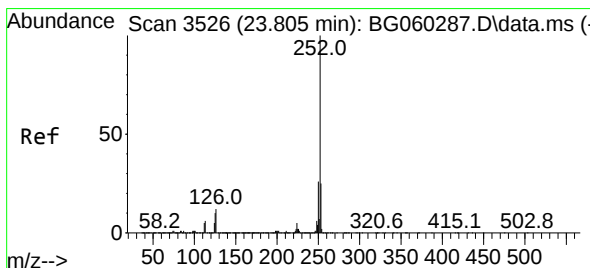
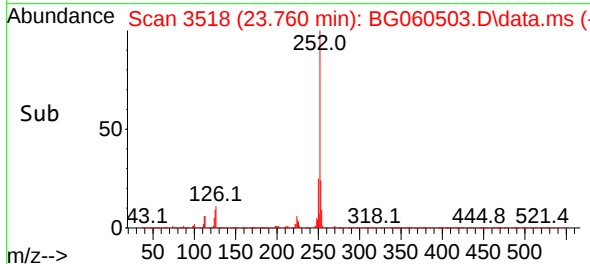
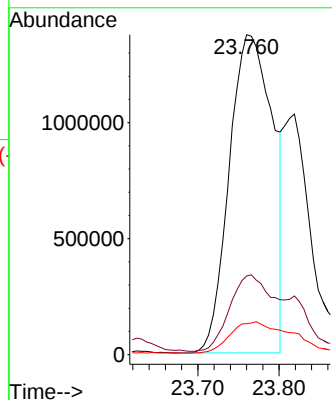
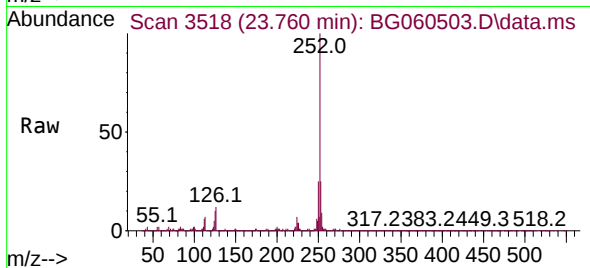
Tgt Ion:252 Resp: 5129810

Ion Ratio Lower Upper

252 100

253 24.6 20.0 30.0

125 9.7 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 82.647 ng

RT: 23.760 min Scan# 3518

Delta R.T. -0.045 min

Lab File: BG060503.D

Acq: 31 Jan 2024 4:06

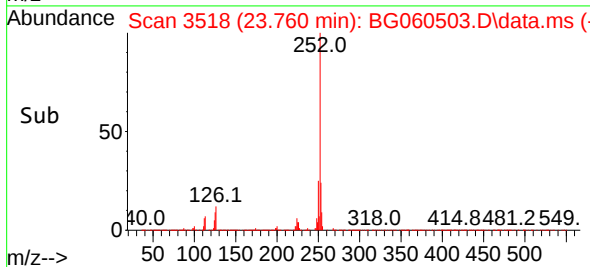
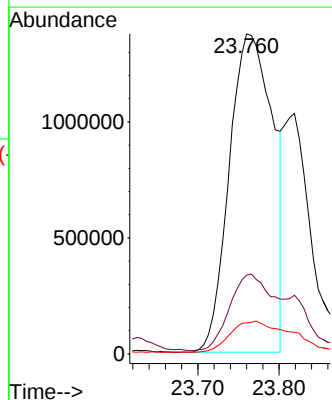
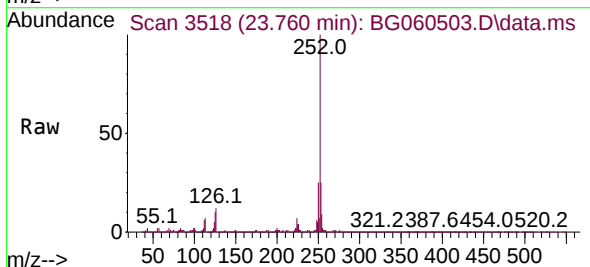
Tgt Ion:252 Resp: 5129810

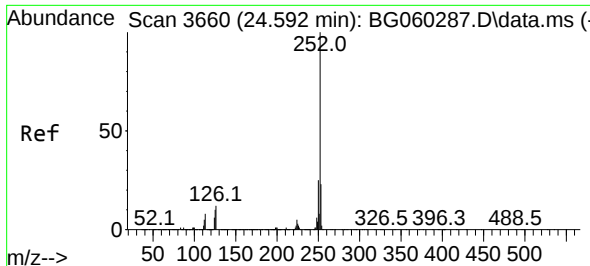
Ion Ratio Lower Upper

252 100

253 24.6 19.6 29.4

125 9.7 8.2 12.2

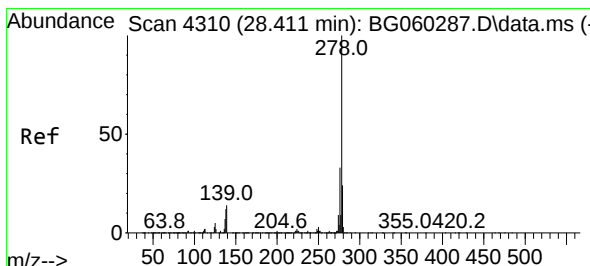
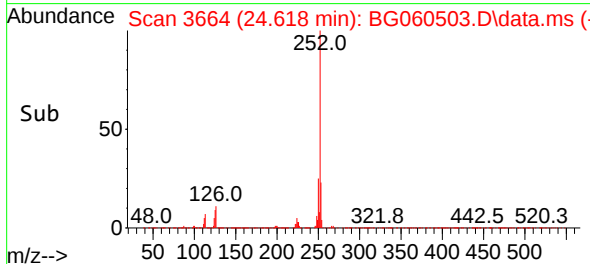
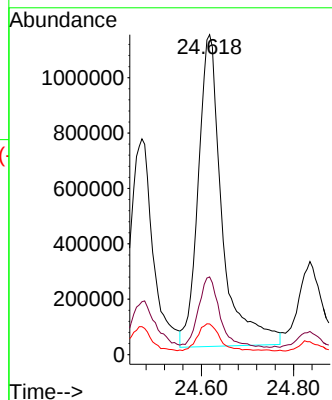
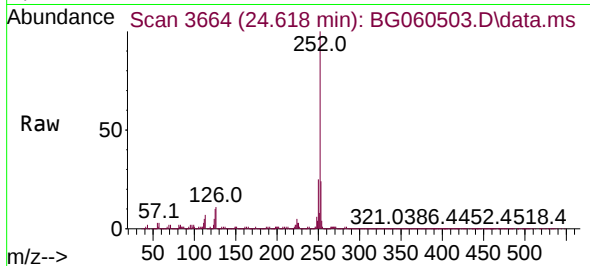




#90
Benzo(a)pyrene
Concen: 71.084 ng
RT: 24.618 min Scan# 3664
Delta R.T. 0.025 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

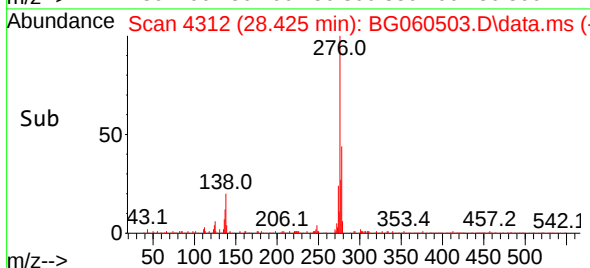
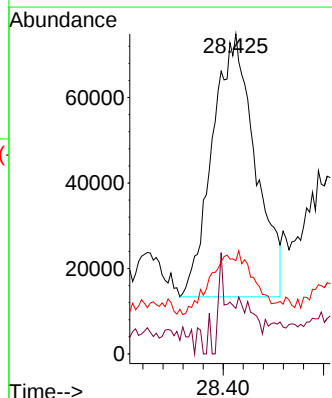
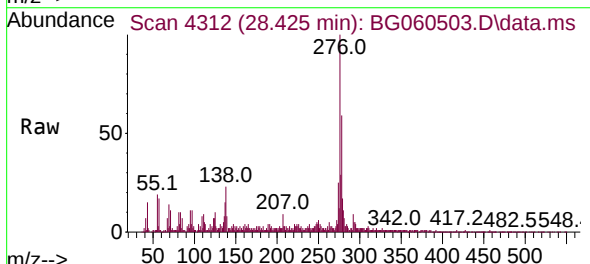
Instrument :
BNA_G
ClientSampleId :
TP-40

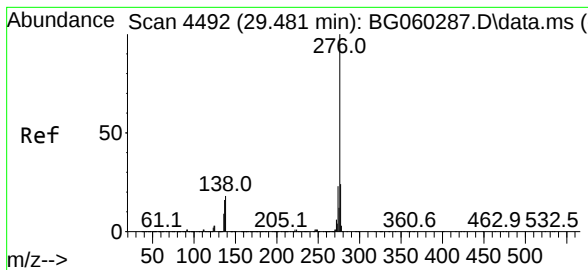
Tgt Ion:252 Resp: 4038964
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 9.6 8.1 12.1



#91
Dibenzo(a,h)anthracene
Concen: 6.025 ng
RT: 28.425 min Scan# 4312
Delta R.T. 0.014 min
Lab File: BG060503.D
Acq: 31 Jan 2024 4:06

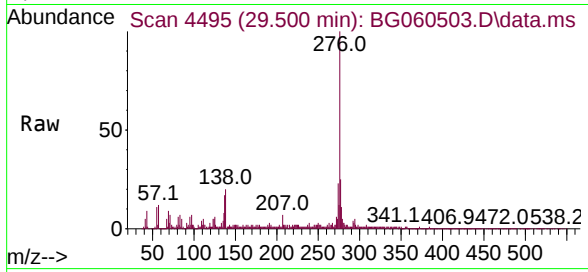
Tgt Ion:278 Resp: 364272
Ion Ratio Lower Upper
278 100
139 14.2 10.9 16.3
279 29.1 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 18.555 ng
 RT: 29.500 min Scan# 44
 Delta R.T. 0.020 min
 Lab File: BG060503.D
 Acq: 31 Jan 2024 4:06

Instrument :
 BNA_G
 ClientSampleId :
 TP-40



Tgt Ion: 276 Resp: 1149742

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.0
138	19.6	14.2	21.4

