

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012224\
 Data File : BG060386.D
 Acq On : 22 Jan 2024 15:46
 Operator : MA/JU
 Sample : P1203-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 16:23:42 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)

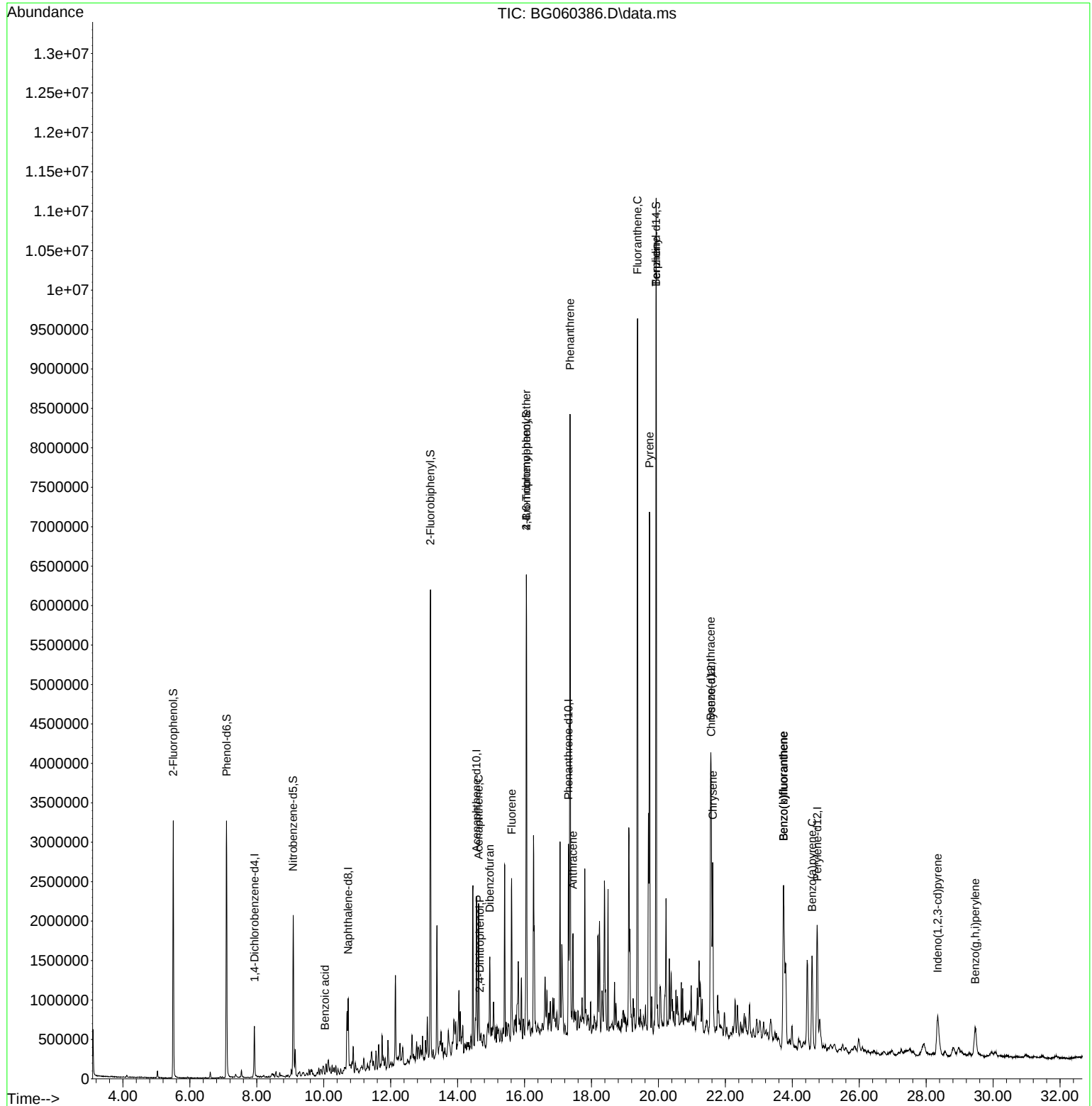
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	204767	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	832748	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	644547	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1586834	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1470753	20.000	ng	0.00
86) Perylene-d12	24.744	264	1716591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	1526033	122.578	ng	0.00
7) Phenol-d6	7.094	99	2227716	120.843	ng	0.00
23) Nitrobenzene-d5	9.086	82	1421724	80.617	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	1198289	126.360	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	3302019	71.226	ng	0.00
79) Terphenyl-d14	19.932	244	4857535	82.312	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.038	122	242	10.225	ng	# 64
52) Acenaphthene	14.627	154	685850	19.190	ng	99
54) 2,4-Dinitrophenol	14.662	184	82	8.598	ng	# 1
55) Dibenzofuran	14.961	168	596490	9.998	ng	98
58) Fluorene	15.614	166	969890	19.631	ng	98
67) 4-Bromophenyl-phenylether	16.054	248	75194	4.313	ng	# 1
71) Phenanthrene	17.359	178	4778647	62.303	ng	93
72) Anthracene	17.447	178	802267	10.477	ng	94
75) Fluoranthene	19.374	202	5285559	57.374	ng	92
77) Benzidine	19.932	184	82293	2.575	ng	# 91
78) Pyrene	19.732	202	4415655	47.014	ng	97
81) Benzo(a)anthracene	21.560	228	1810782	19.888	ng	94
83) Chrysene	21.624	228	1708067	19.074	ng	92
87) Indeno(1,2,3-cd)pyrene	28.340	276	883121	7.399	ng	# 79
88) Benzo(b)fluoranthene	23.739	252	2557386	25.219	ng	97
89) Benzo(k)fluoranthene	23.739	252	2557386	25.556	ng	98
90) Benzo(a)pyrene	24.591	252	1363830	14.888	ng	100
92) Benzo(g,h,i)perylene	29.468	276	822975	8.238	ng	99

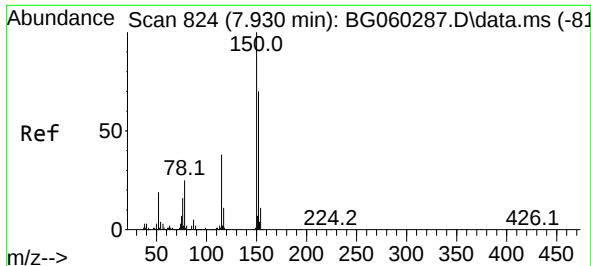
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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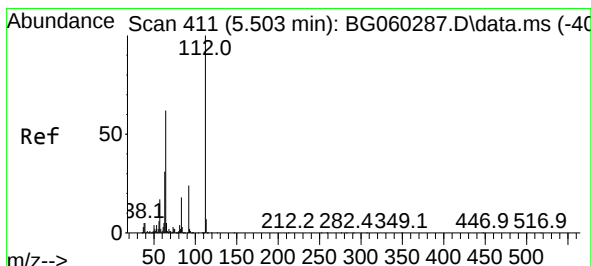
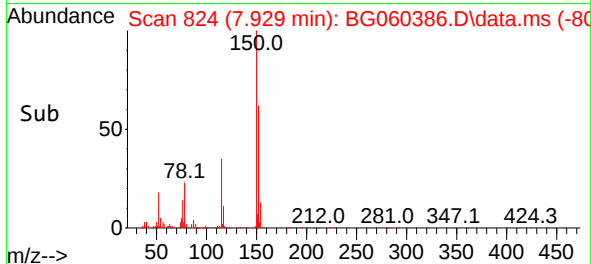
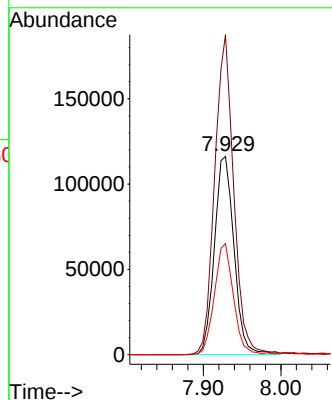
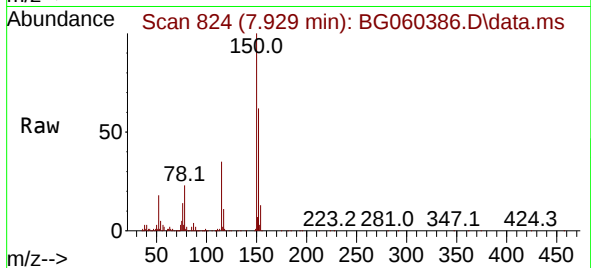




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

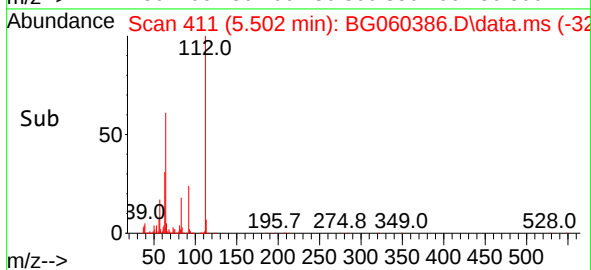
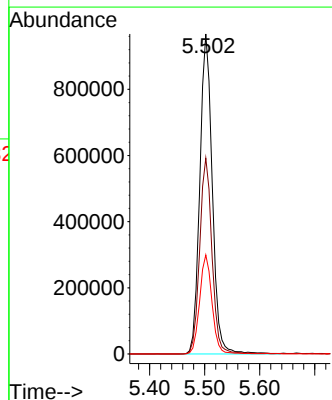
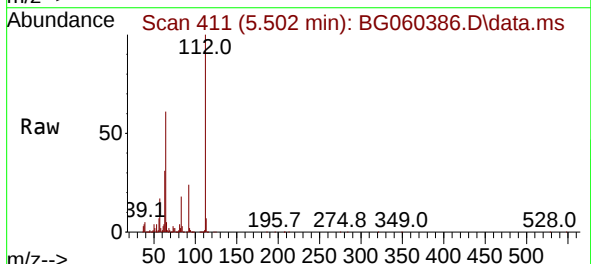
Instrument :
BNA_G
ClientSampleId :

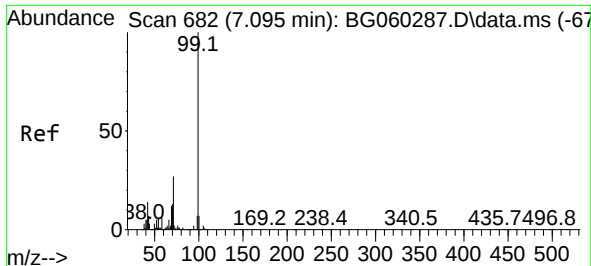
Tgt Ion:152 Resp: 204767
Ion Ratio Lower Upper
152 100
150 161.4 114.5 171.7
115 56.0 43.0 64.6



#5
2-Fluorophenol
Concen: 122.578 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

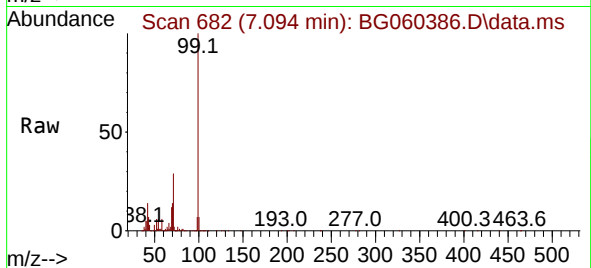
Tgt Ion:112 Resp: 1526033
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.6
63 31.0 24.4 36.6





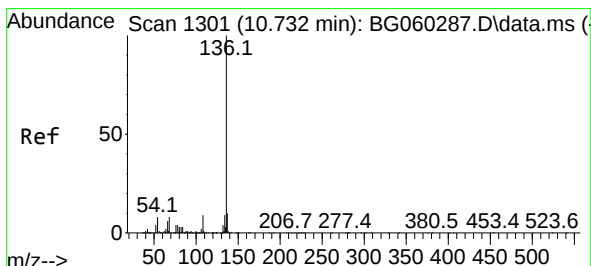
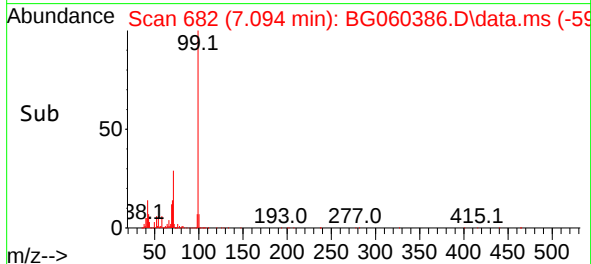
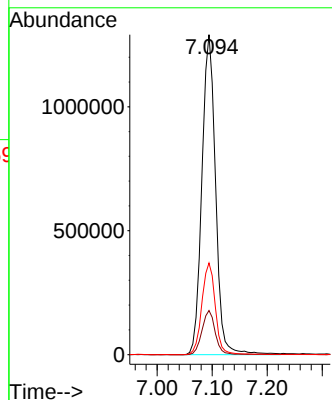
#7
Phenol-d6
Concen: 120.843 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Instrument :
BNA_G
ClientSampleId :



Tgt Ion: 99 Resp: 2227716

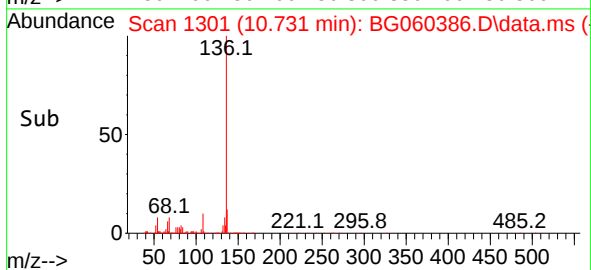
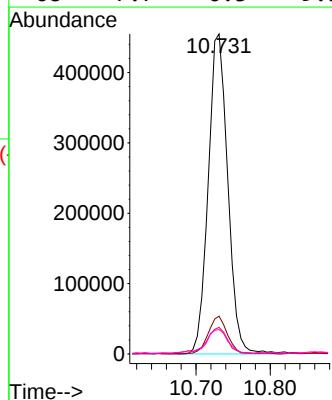
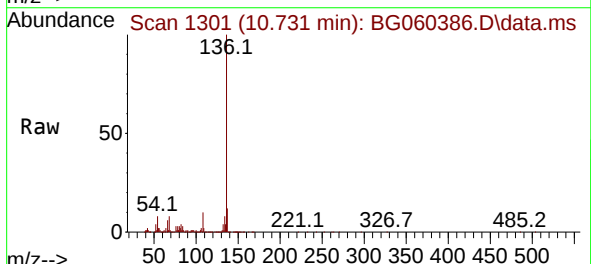
Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.9	16.3
71	28.7	21.5	32.3

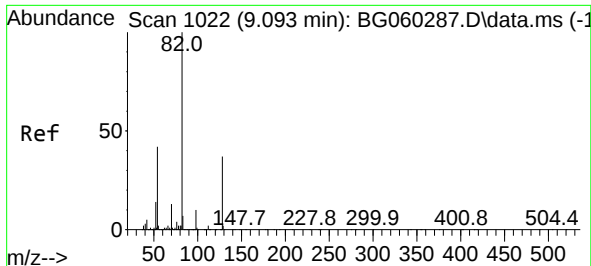


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion: 136 Resp: 832748

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.4
54	8.3	6.2	9.2
68	7.7	6.3	9.5

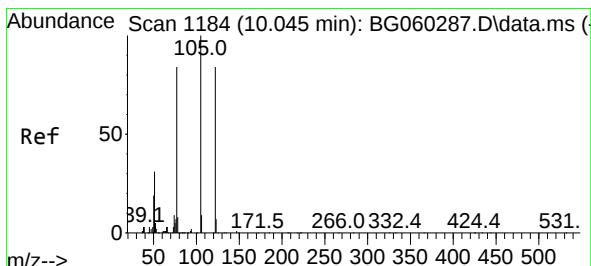
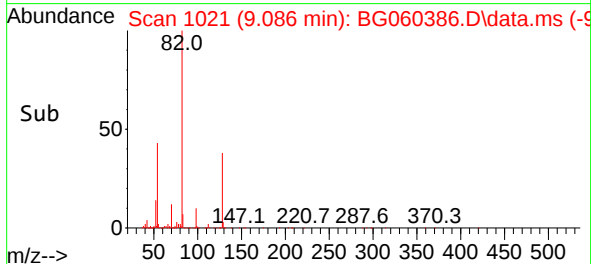
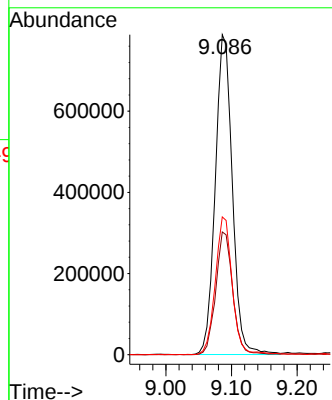
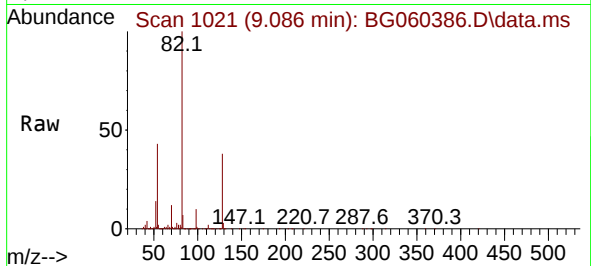




#23
Nitrobenzene-d5
Concen: 80.617 ng
RT: 9.086 min Scan# 1022
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

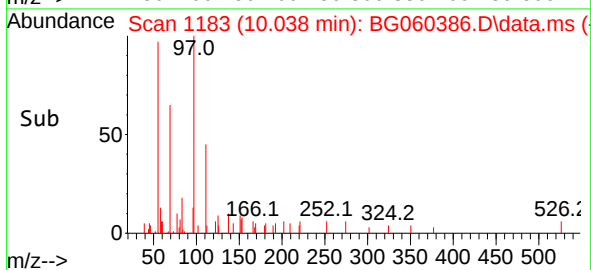
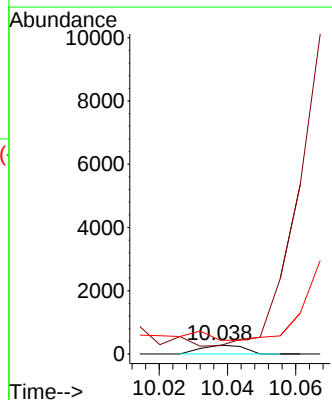
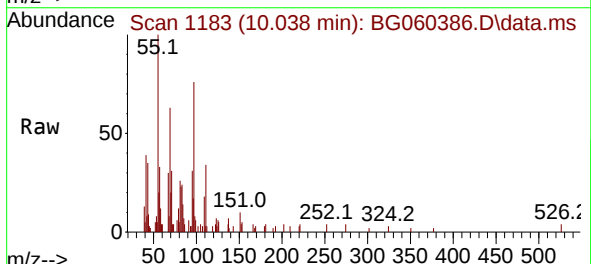
Instrument :
BNA_G
ClientSampleId :

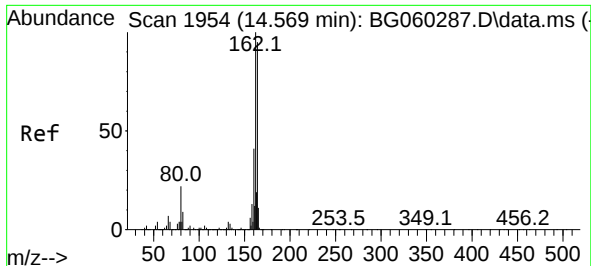
Tgt Ion: 82 Resp: 1421724
Ion Ratio Lower Upper
82 100
128 38.4 29.6 44.4
54 43.0 33.6 50.4



#32
Benzoic acid
Concen: 10.225 ng
RT: 10.038 min Scan# 1183
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:122 Resp: 242
Ion Ratio Lower Upper
122 100
105 95.0 96.0 136.0#
77 156.1 80.1 120.1#

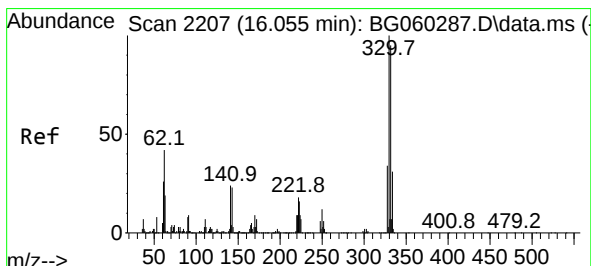
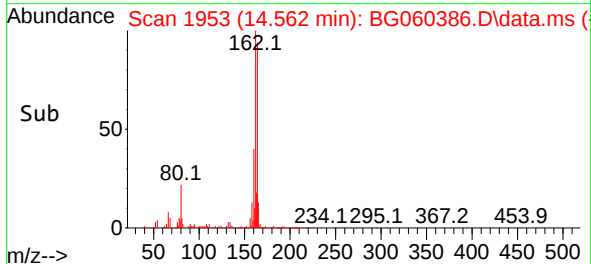
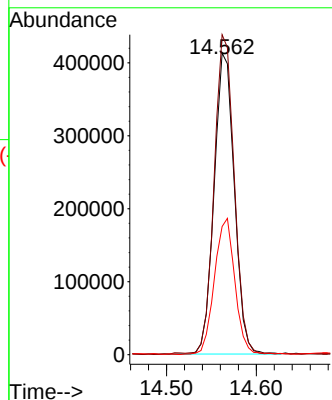
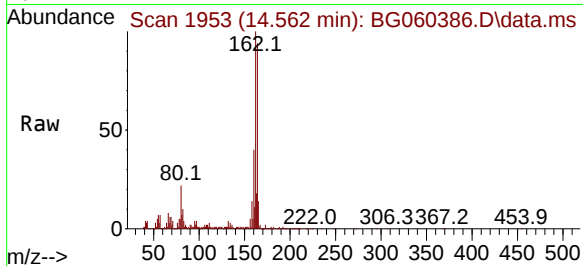




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

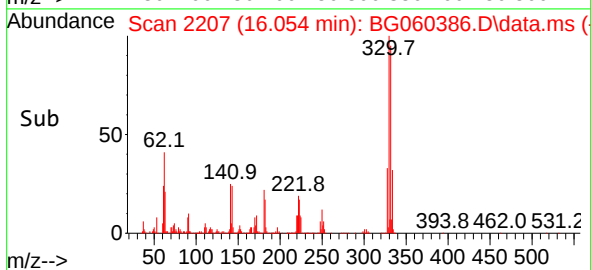
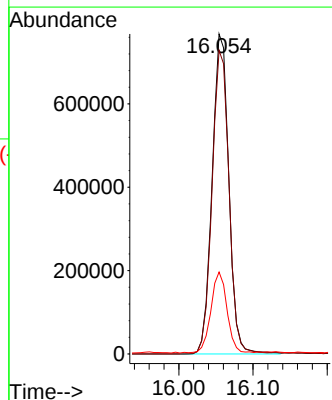
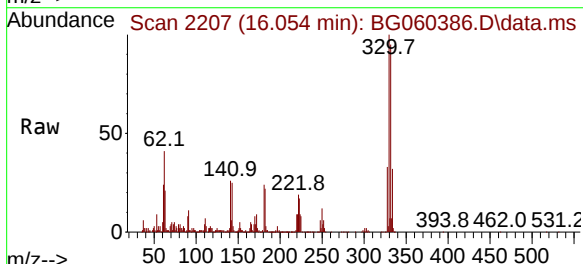
Instrument :
BNA_G
ClientSampleId :

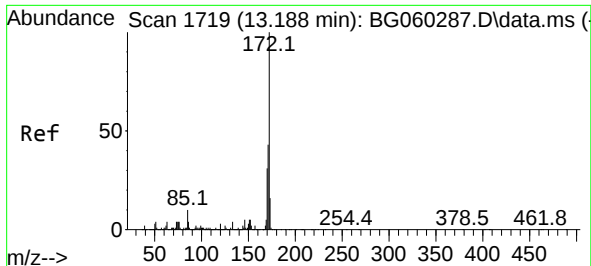
Tgt Ion:164 Resp: 644547
Ion Ratio Lower Upper
164 100
162 106.1 84.4 126.6
160 42.5 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 126.360 ng
RT: 16.054 min Scan# 2207
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

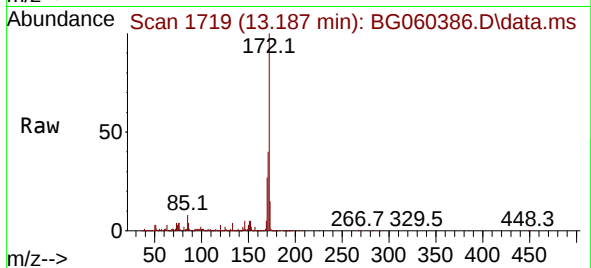
Tgt Ion:330 Resp: 1198289
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 24.4 18.6 28.0



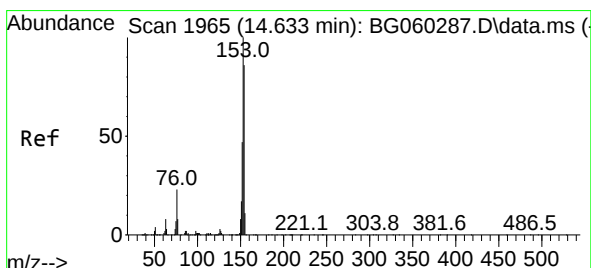
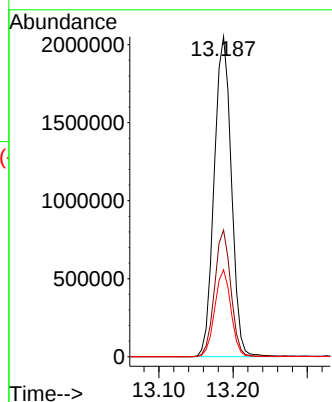
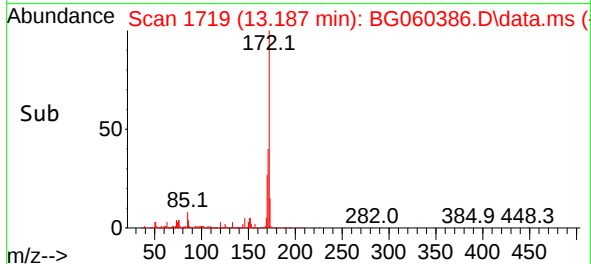


#45
2-Fluorobiphenyl
Concen: 71.226 ng
RT: 13.187 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

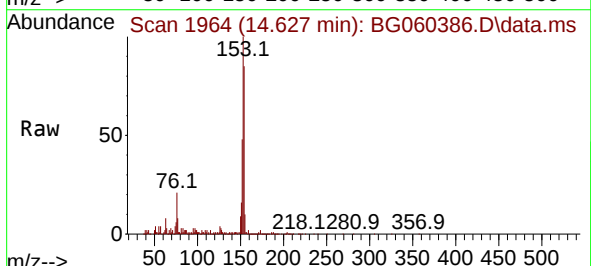
Instrument :
BNA_G
ClientSampleId :



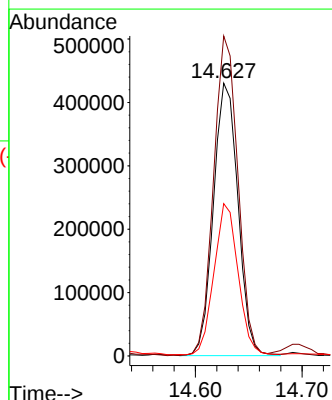
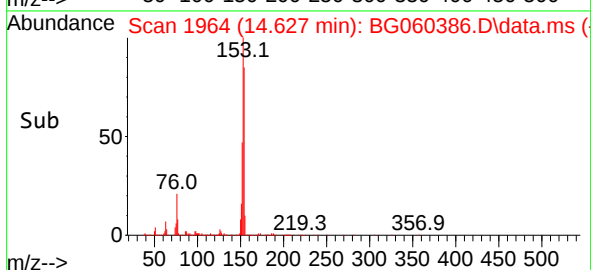
Tgt Ion:172 Resp: 3302019
Ion Ratio Lower Upper
172 100
171 39.5 34.6 51.8
170 27.1 24.4 36.6

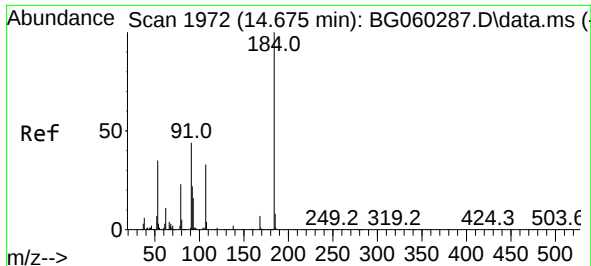


#52
Acenaphthene
Concen: 19.190 ng
RT: 14.627 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46



Tgt Ion:154 Resp: 685850
Ion Ratio Lower Upper
154 100
153 117.3 92.6 138.8
152 55.9 43.8 65.8

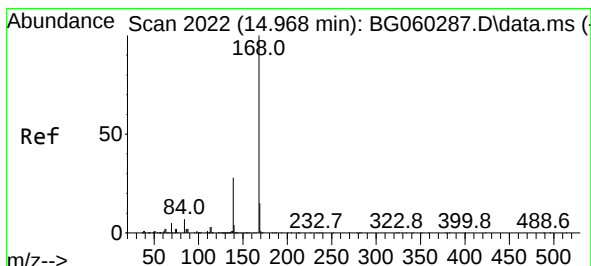
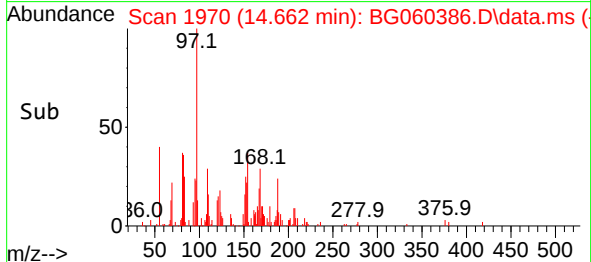
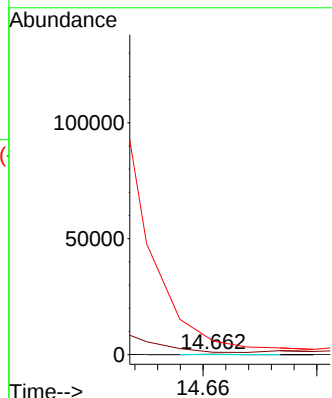
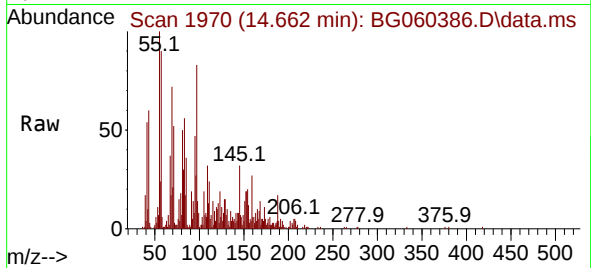




#54
2,4-Dinitrophenol
Concen: 8.598 ng
RT: 14.662 min Scan# 1972
Delta R.T. -0.013 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

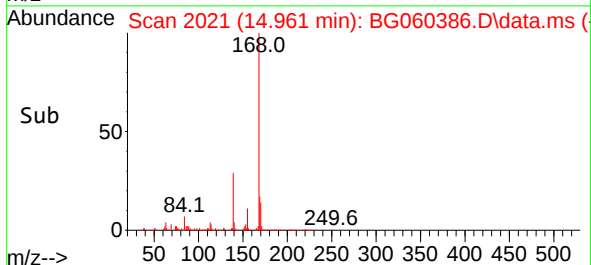
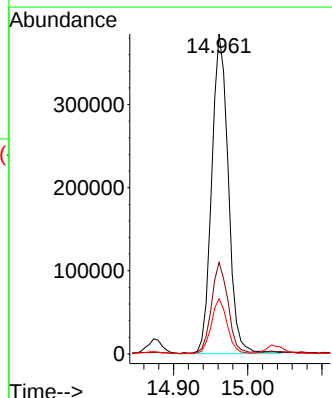
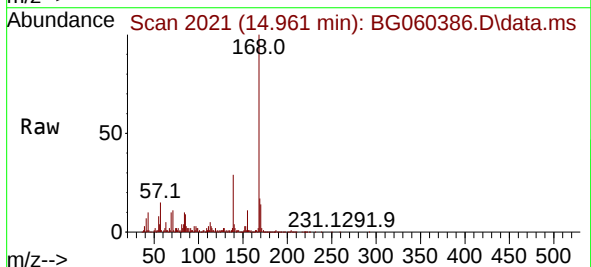
Instrument :
BNA_G
ClientSampleId :

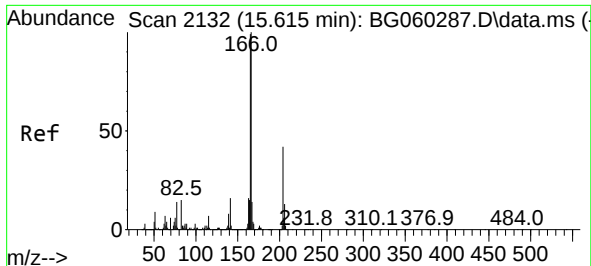
Tgt Ion:184 Resp: 82
Ion Ratio Lower Upper
184 100
63 440.1 41.0 61.4#
154 2516.4 39.2 58.8#



#55
Dibenzofuran
Concen: 9.998 ng
RT: 14.961 min Scan# 2021
Delta R.T. -0.007 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:168 Resp: 596490
Ion Ratio Lower Upper
168 100
139 28.6 22.6 34.0
169 17.3 12.1 18.1

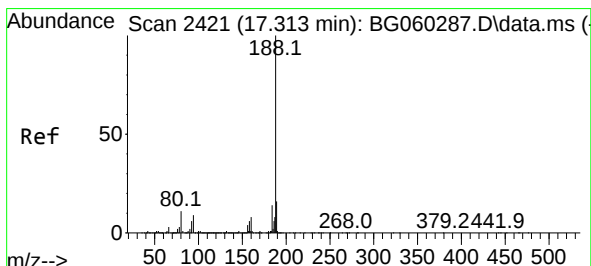
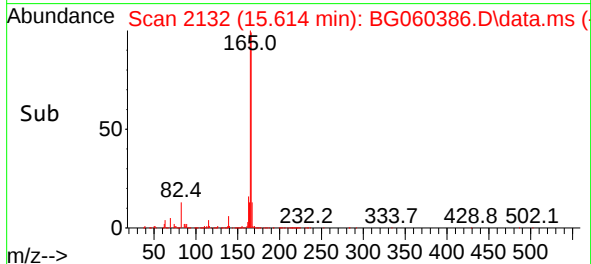
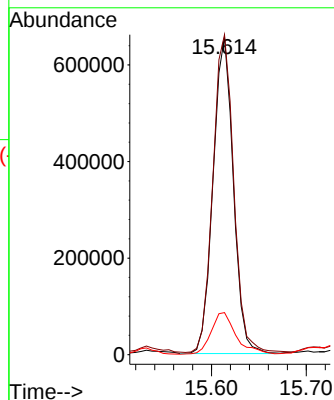
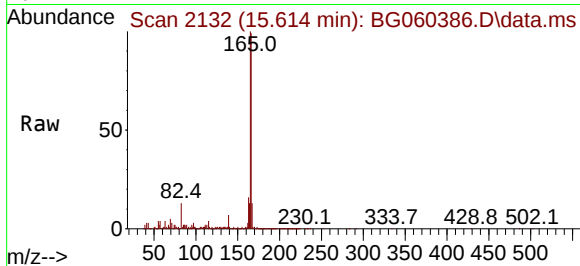




#58
 Fluorene
 Concen: 19.631 ng
 RT: 15.614 min Scan# 2132
 Delta R.T. -0.001 min
 Lab File: BG060386.D
 Acq: 22 Jan 2024 15:46

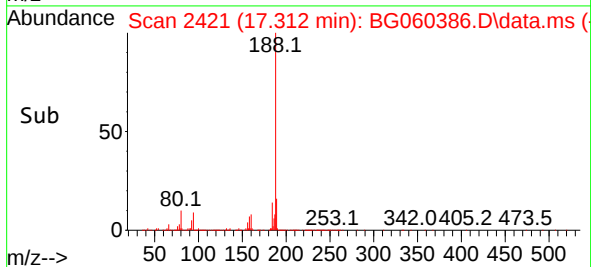
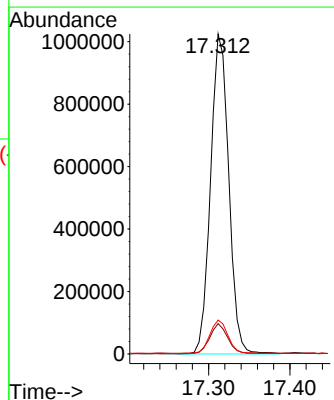
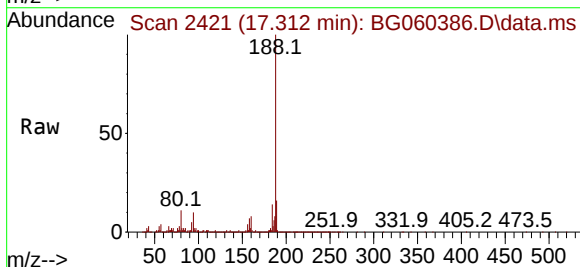
Instrument :
 BNA_G
 ClientSampleId :

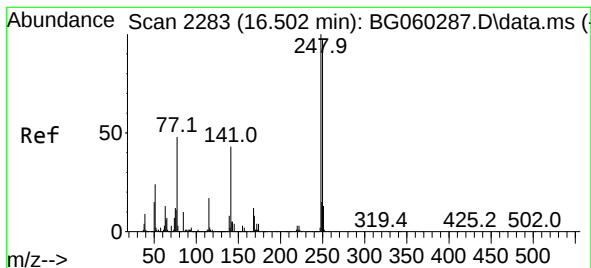
Tgt Ion:166 Resp: 969890
 Ion Ratio Lower Upper
 166 100
 165 100.7 79.0 118.6
 167 13.2 11.4 17.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.312 min Scan# 2421
 Delta R.T. -0.001 min
 Lab File: BG060386.D
 Acq: 22 Jan 2024 15:46

Tgt Ion:188 Resp: 1586834
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.1 10.7
 80 10.6 8.5 12.7

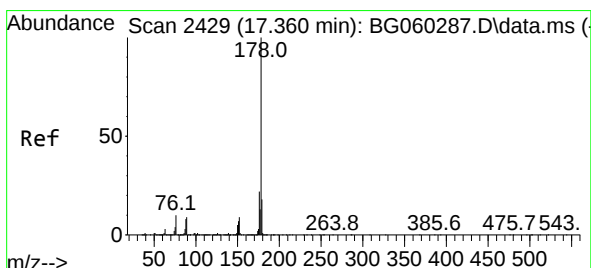
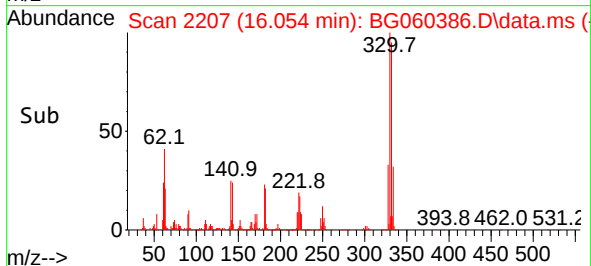
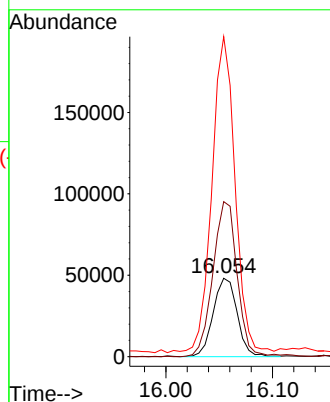
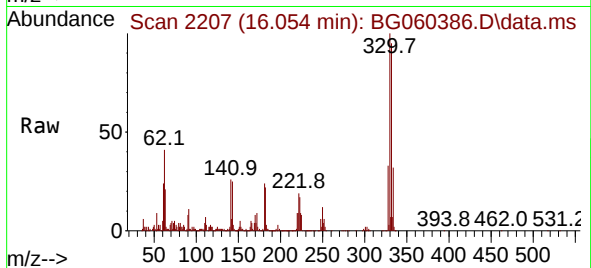




#67
4-Bromophenyl-phenylether
Concen: 4.313 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.448 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

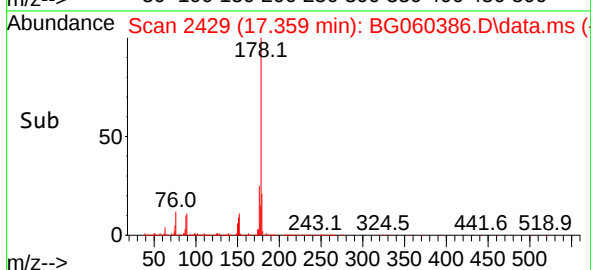
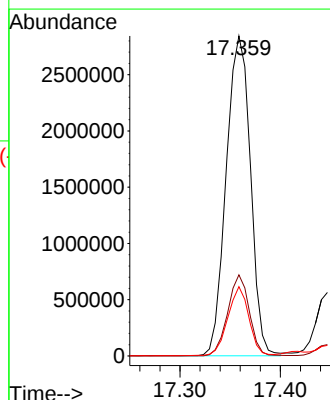
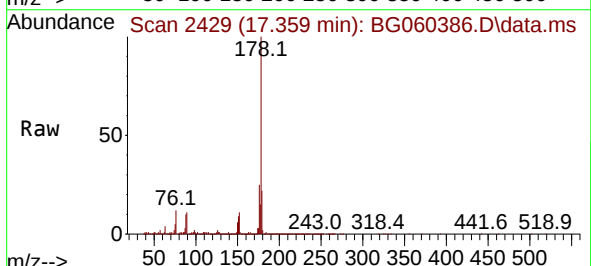
Instrument :
BNA_G
ClientSampleId :

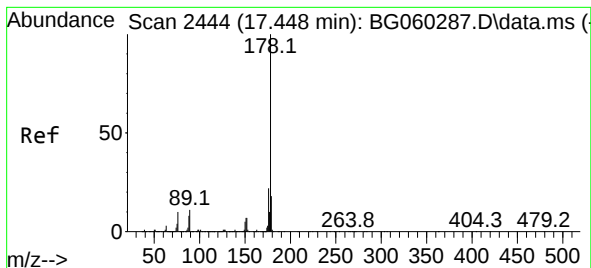
Tgt Ion:248 Resp: 75194
Ion Ratio Lower Upper
248 100
250 197.8 77.6 116.4#
141 408.0 34.2 51.4#



#71
Phenanthrene
Concen: 62.303 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:178 Resp: 4778647
Ion Ratio Lower Upper
178 100
176 25.3 17.4 26.2
179 21.6 14.7 22.1





#72

Anthracene

Concen: 10.477 ng

RT: 17.447 min Scan# 2444

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

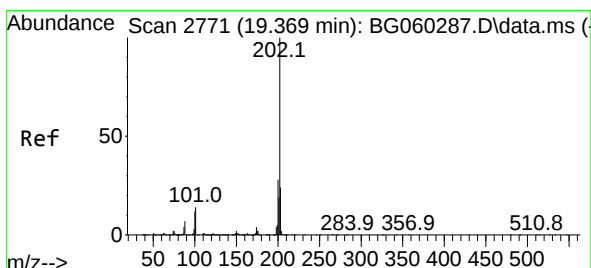
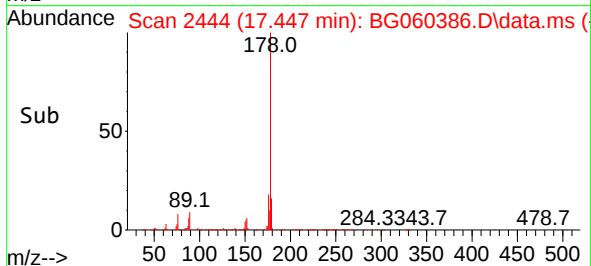
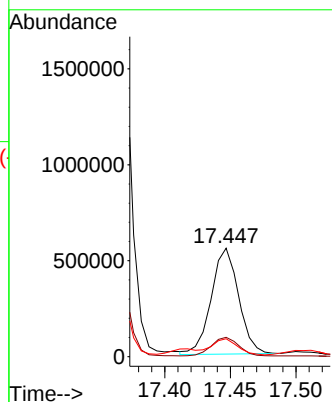
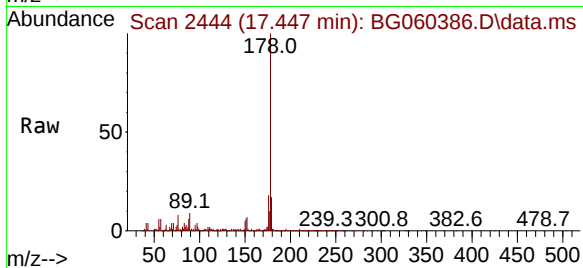
Tgt Ion:178 Resp: 802267

Ion Ratio Lower Upper

178 100

176 17.9 17.8 26.6

179 16.6 14.1 21.1



#75

Fluoranthene

Concen: 57.374 ng

RT: 19.374 min Scan# 2772

Delta R.T. 0.005 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

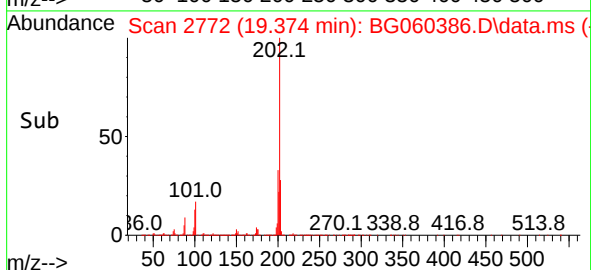
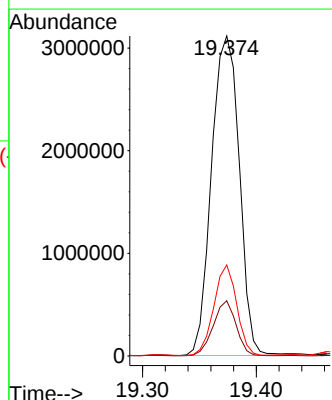
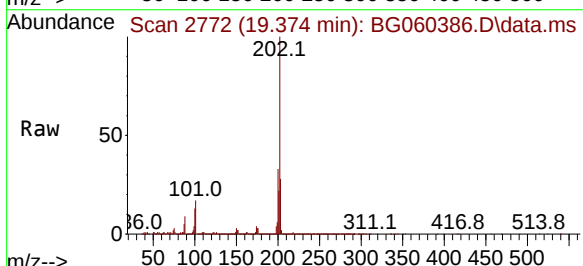
Tgt Ion:202 Resp: 5285559

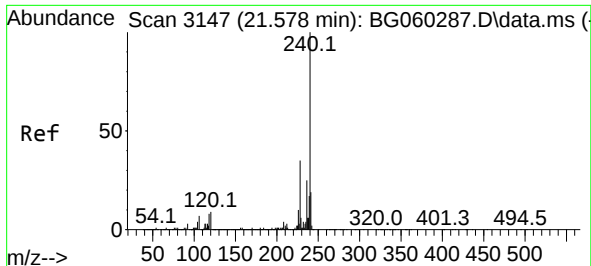
Ion Ratio Lower Upper

202 100

101 17.2 0.0 34.4

203 28.5 4.0 44.0

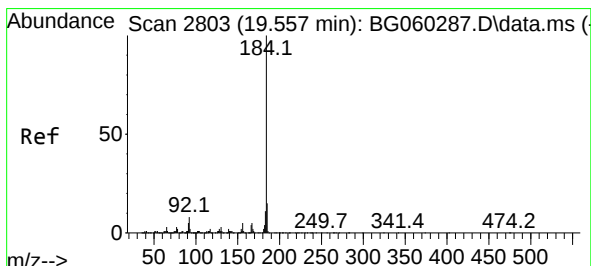
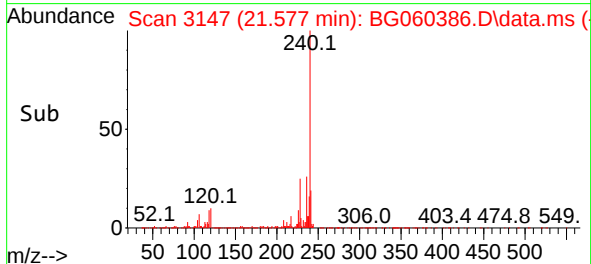
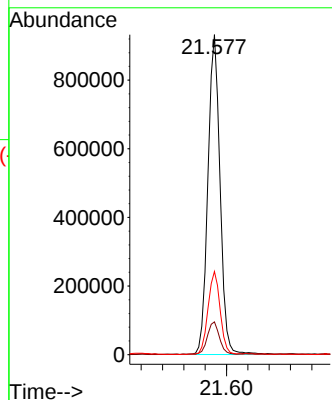
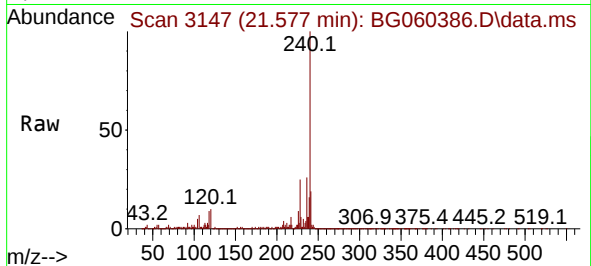




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

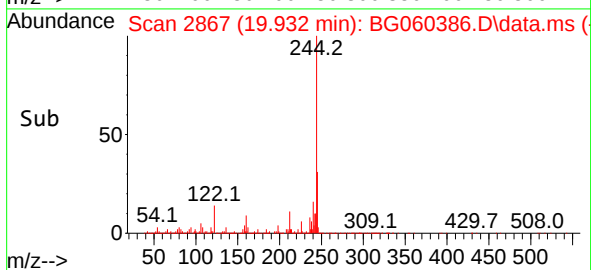
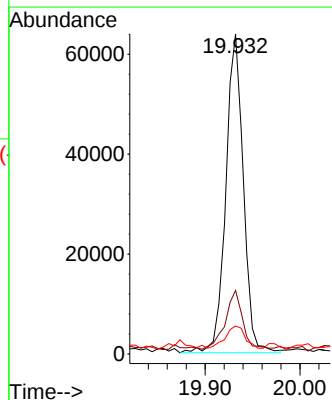
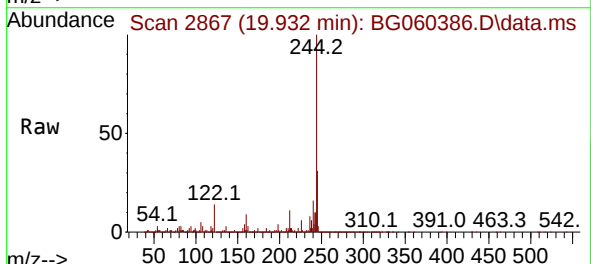
Instrument :
BNA_G
ClientSampleId :

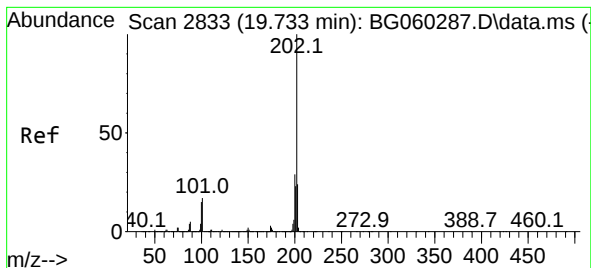
Tgt Ion:240 Resp: 1470753
Ion Ratio Lower Upper
240 100
120 10.3 7.3 10.9
236 26.0 20.3 30.5



#77
Benzidine
Concen: 2.575 ng
RT: 19.932 min Scan# 2867
Delta R.T. 0.375 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:184 Resp: 82293
Ion Ratio Lower Upper
184 100
185 19.8 12.2 18.4#
183 8.8 9.0 13.4#





#78

Pyrene

Concen: 47.014 ng

RT: 19.732 min Scan# 2833

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

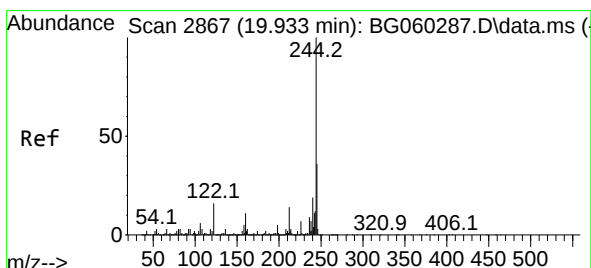
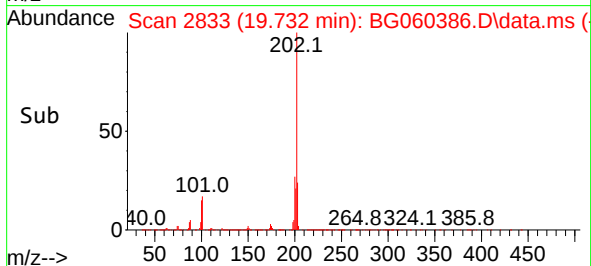
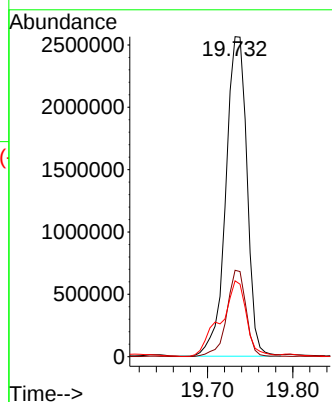
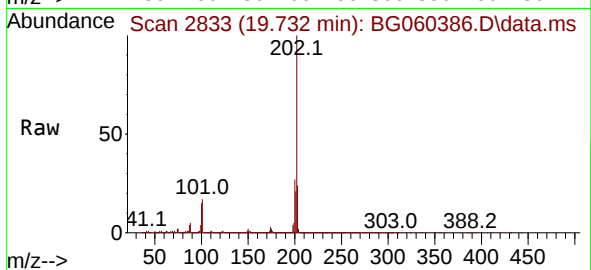
Tgt Ion:202 Resp: 4415655

Ion Ratio Lower Upper

202 100

200 27.0 23.5 35.3

203 23.7 19.6 29.4



#79

Terphenyl-d14

Concen: 82.312 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

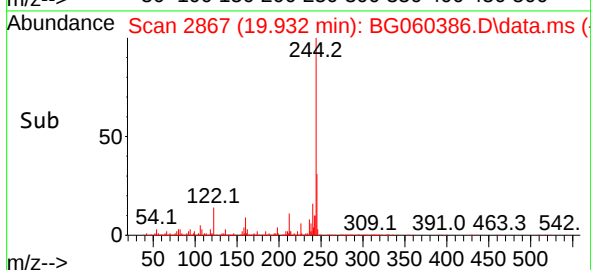
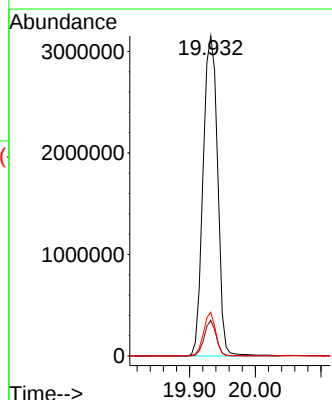
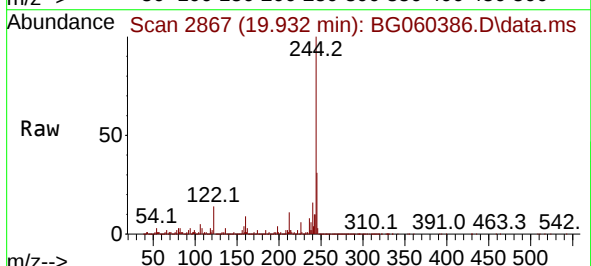
Tgt Ion:244 Resp: 4857535

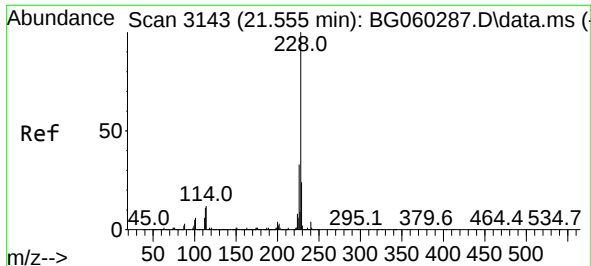
Ion Ratio Lower Upper

244 100

212 11.1 10.9 16.3

122 13.6 12.6 18.8

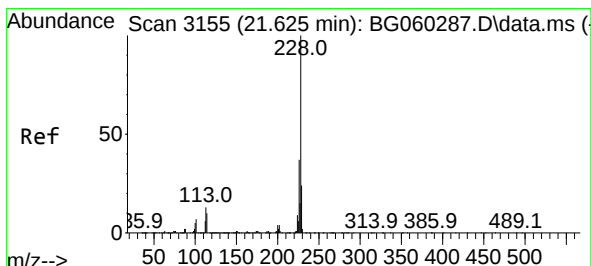
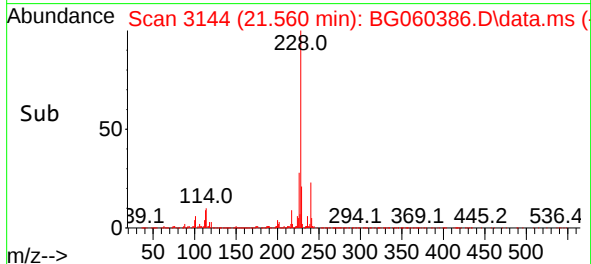
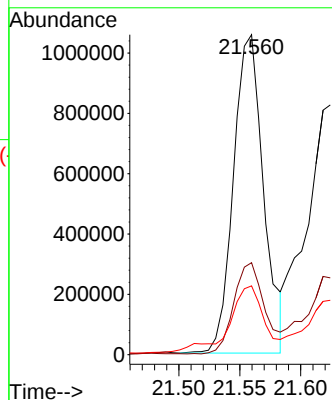
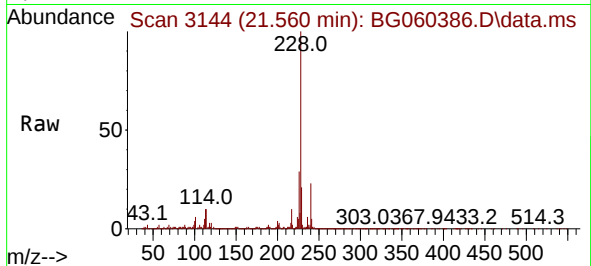




#81
Benzo(a)anthracene
Concen: 19.888 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.005 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

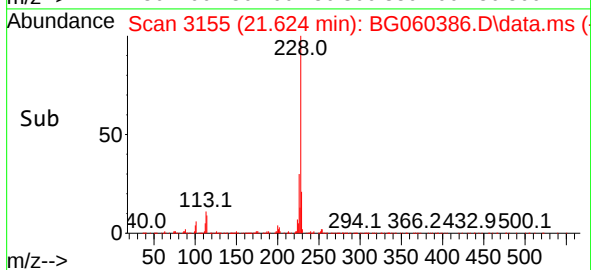
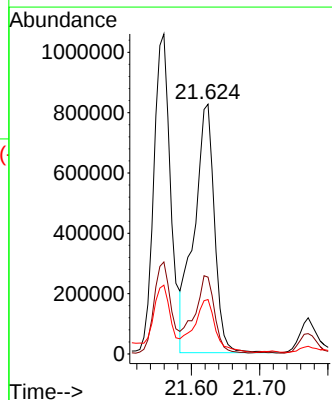
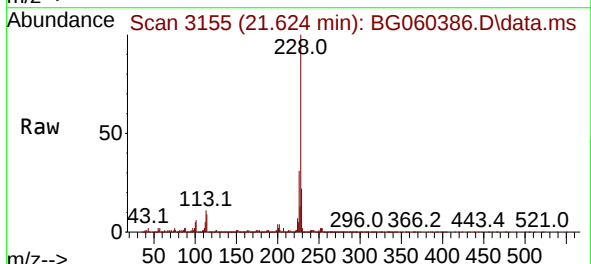
Instrument :
BNA_G
ClientSampleId :

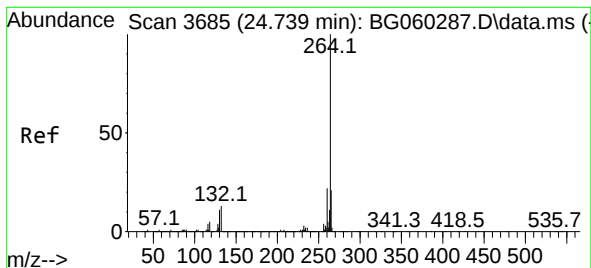
Tgt Ion:228 Resp: 1810782
Ion Ratio Lower Upper
228 100
226 28.7 26.2 39.2
229 21.5 19.4 29.2



#83
Chrysene
Concen: 19.074 ng
RT: 21.624 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG060386.D
Acq: 22 Jan 2024 15:46

Tgt Ion:228 Resp: 1708067
Ion Ratio Lower Upper
228 100
226 30.7 29.4 44.2
229 21.8 19.2 28.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.744 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

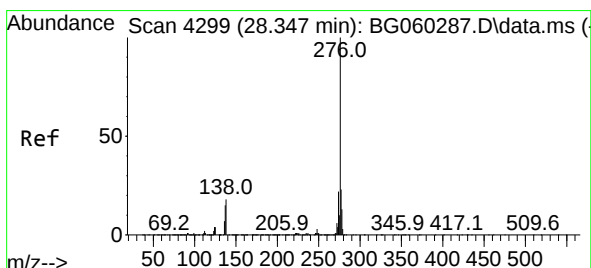
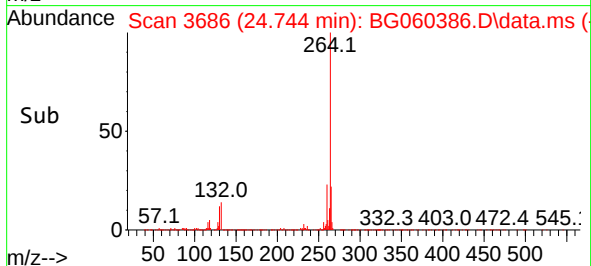
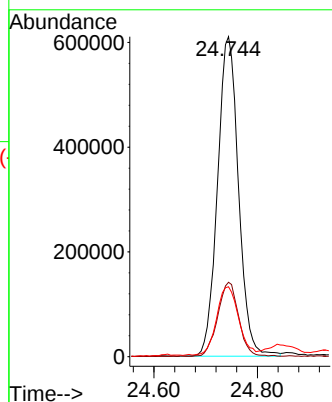
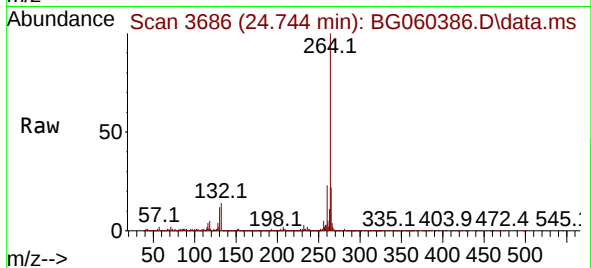
Tgt Ion:264 Resp: 1716591

Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.6

265 21.9 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.399 ng

RT: 28.340 min Scan# 4298

Delta R.T. -0.007 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

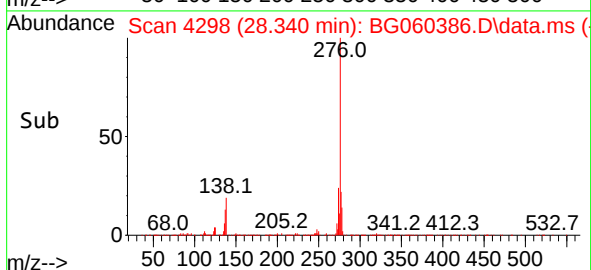
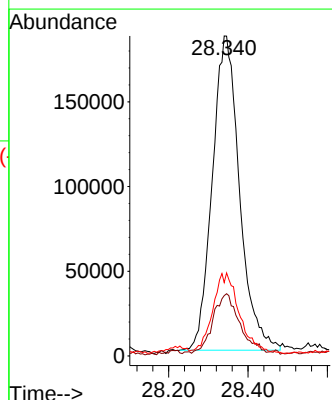
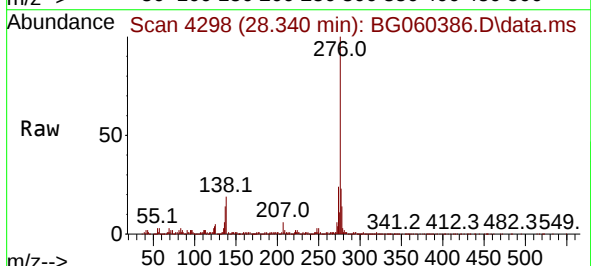
Tgt Ion:276 Resp: 883121

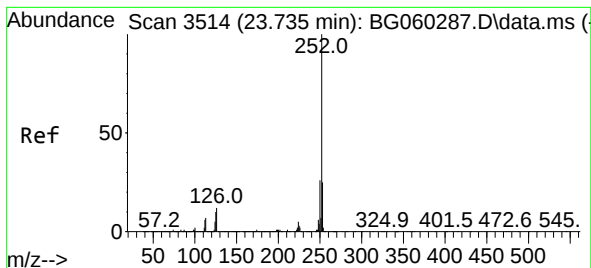
Ion Ratio Lower Upper

276 100

138 19.2 12.5 18.7#

277 10.7 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 25.219 ng

RT: 23.739 min Scan# 3515

Delta R.T. 0.005 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

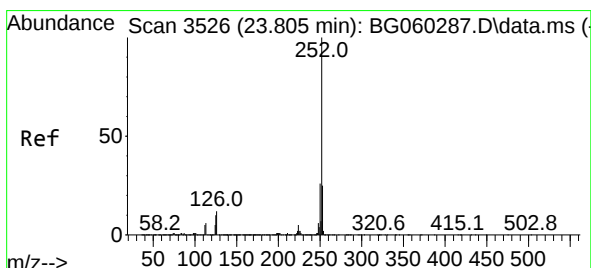
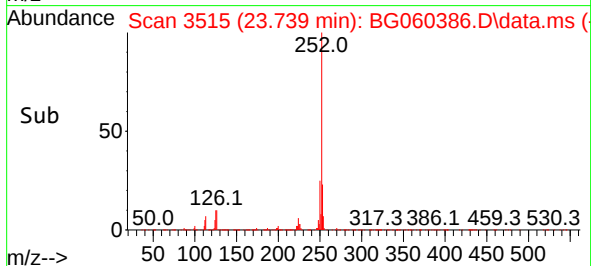
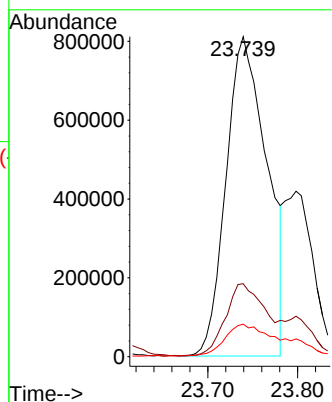
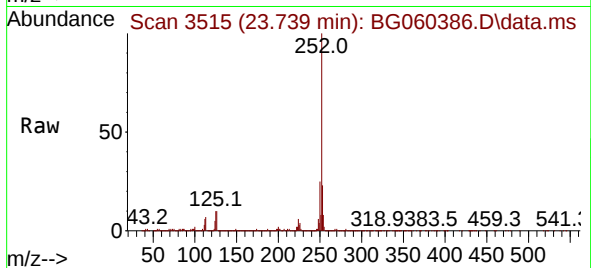
Tgt Ion:252 Resp: 2557386

Ion Ratio Lower Upper

252 100

253 22.8 20.0 30.0

125 10.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 25.556 ng

RT: 23.739 min Scan# 3515

Delta R.T. -0.066 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

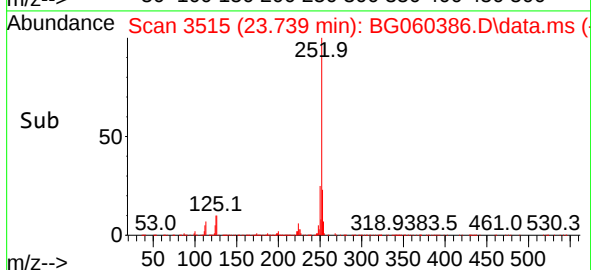
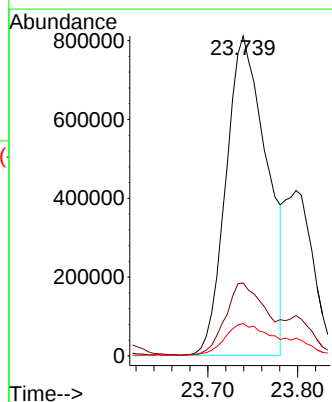
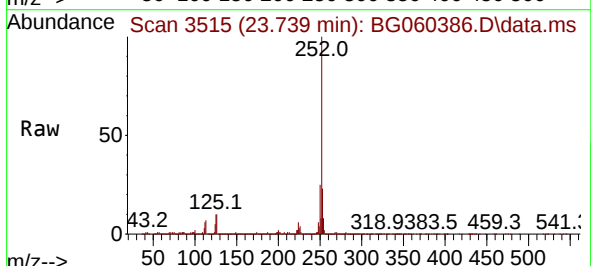
Tgt Ion:252 Resp: 2557386

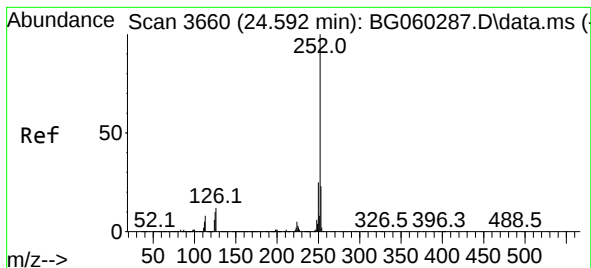
Ion Ratio Lower Upper

252 100

253 22.8 19.6 29.4

125 10.1 8.2 12.2





#90

Benzo(a)pyrene

Concen: 14.888 ng

RT: 24.591 min Scan# 30

Delta R.T. -0.001 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Instrument :

BNA_G

ClientSampleId :

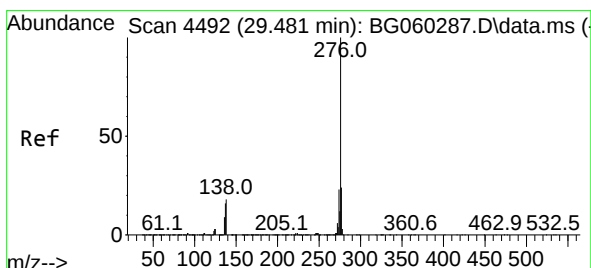
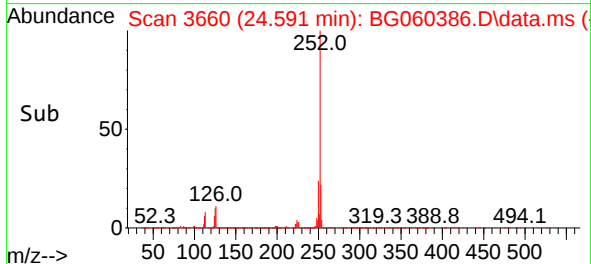
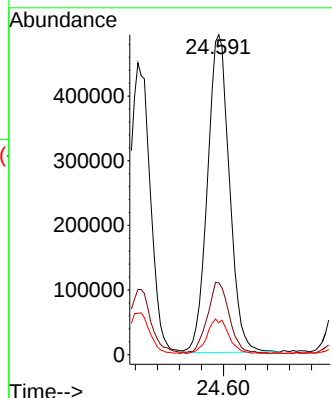
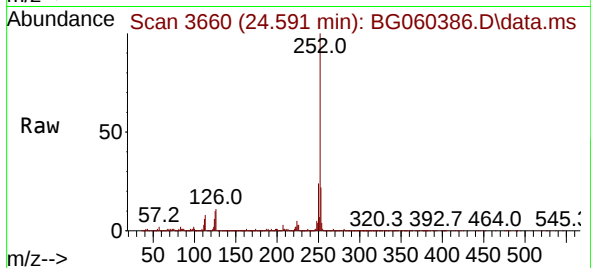
Tgt Ion:252 Resp: 1363830

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 10.0 8.1 12.1



#92

Benzo(g,h,i)perylene

Concen: 8.238 ng

RT: 29.468 min Scan# 4490

Delta R.T. -0.013 min

Lab File: BG060386.D

Acq: 22 Jan 2024 15:46

Tgt Ion:276 Resp: 822975

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 18.4 14.2 21.4

