

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
 Data File : BG060377.D
 Acq On : 19 Jan 2024 20:23
 Operator : MA/JU
 Sample : P1182-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-011824

Quant Time: Jan 20 01:22:45 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)

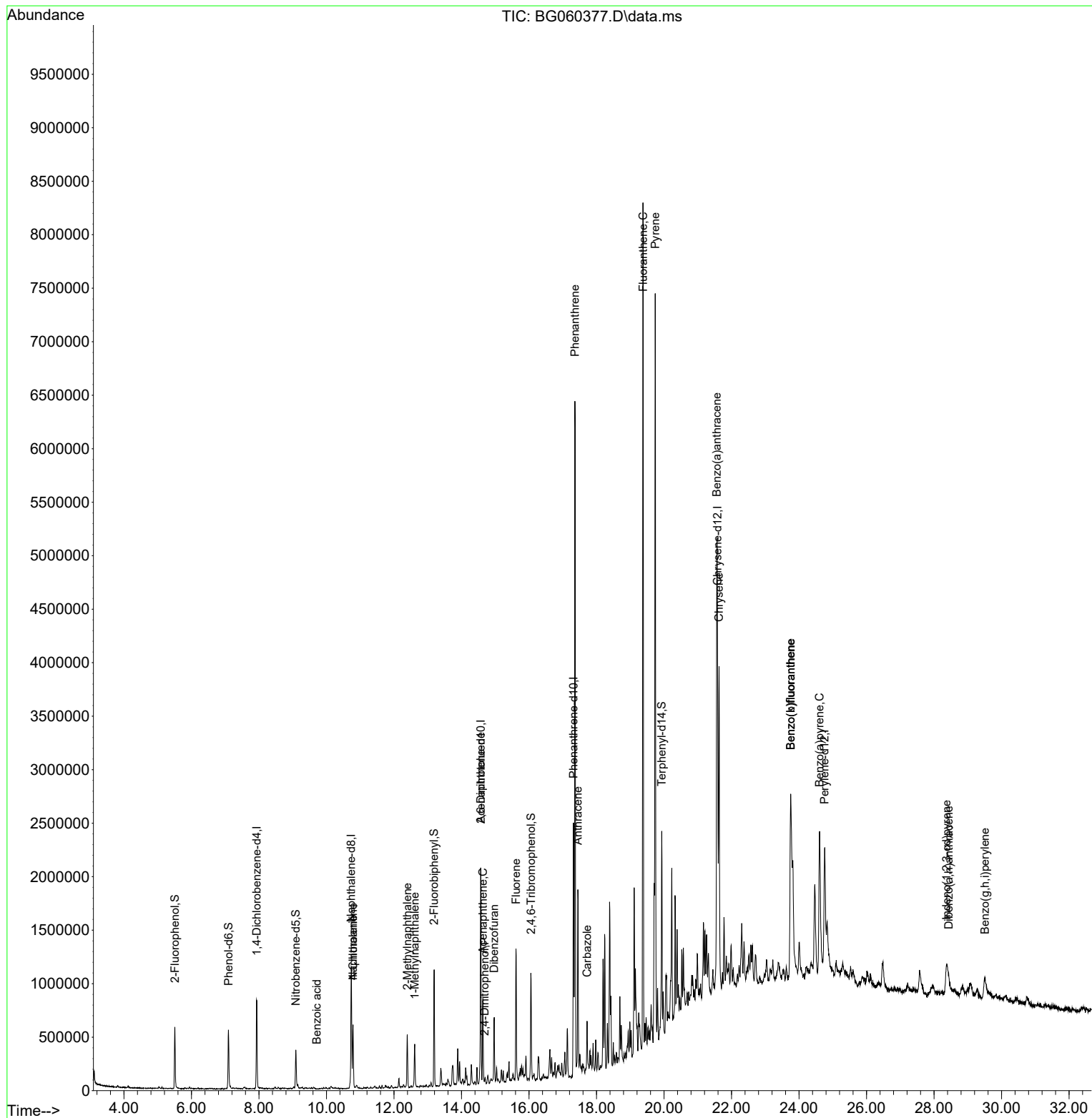
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	270215	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	1034965	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	713965	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	1595531	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1372589	20.000	ng	0.00
86) Perylene-d12	24.756	264	1532719	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.508	112	311213	18.943	ng	0.00
7) Phenol-d6	7.094	99	407792	16.763	ng	0.00
23) Nitrobenzene-d5	9.092	82	265568	12.116	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	177040	16.854	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	635942	12.384	ng	0.00
79) Terphenyl-d14	19.932	244	936311	9.764	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.784	128	510845	9.416	ng	99
32) Benzoic acid	9.709	122	135	10.212	ng	92
33) 4-Chloroaniline	10.784	127	67145	3.212	ng	# 28
37) 2-Methylnaphthalene	12.394	142	259773	6.456	ng	95
38) 1-Methylnaphthalene	12.611	142	202180	5.004	ng	96
51) 2,6-Dinitrotoluene	14.568	165	106935	9.185	ng	# 34
52) Acenaphthene	14.632	154	294311	7.434	ng	99
54) 2,4-Dinitrophenol	14.685	184	292	8.624	ng	# 1
55) Dibenzofuran	14.967	168	376587	5.698	ng	97
58) Fluorene	15.614	166	569886	10.413	ng	97
71) Phenanthrene	17.359	178	4070681	52.783	ng	98
72) Anthracene	17.447	178	1170650	15.204	ng	95
73) Carbazole	17.723	167	327985	4.518	ng	92
75) Fluoranthene	19.380	202	4735153	51.119	ng	98
78) Pyrene	19.738	202	4377003	49.936	ng	98
81) Benzo(a)anthracene	21.565	228	2382301	28.036	ng	95
83) Chrysene	21.630	228	2172905	26.000	ng	95
87) Indeno(1,2,3-cd)pyrene	28.369	276	721498	6.770	ng	# 92
88) Benzo(b)fluoranthene	23.751	252	2436018	26.903	ng	98
89) Benzo(k)fluoranthene	23.751	252	2436018	27.263	ng	98
90) Benzo(a)pyrene	24.609	252	1910668	23.359	ng	97
91) Dibenzo(a,h)anthracene	28.434	278	186994	2.149	ng	# 85
92) Benzo(g,h,i)perylene	29.509	276	475079	5.326	ng	# 96

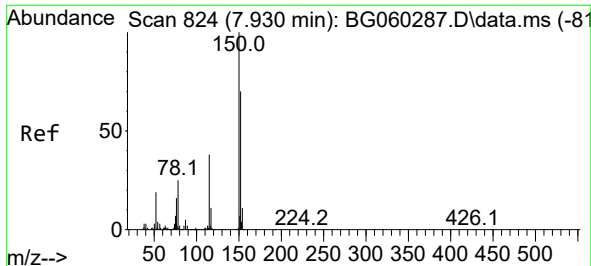
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

Quant Time: Jan 20 01:22:45 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

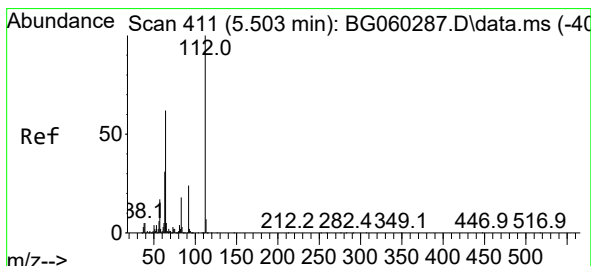
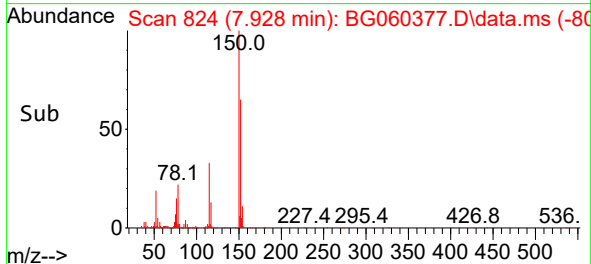
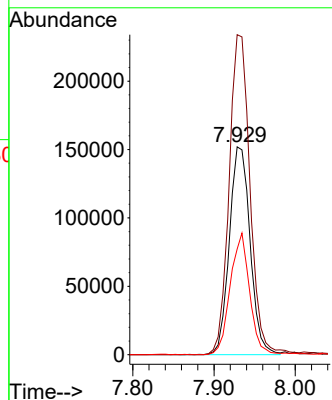
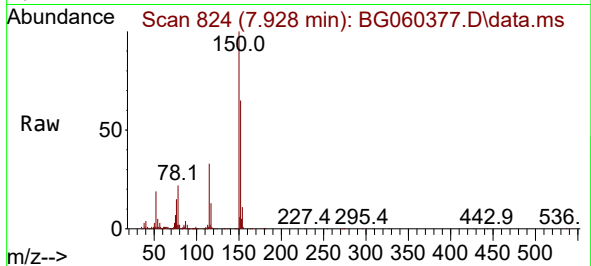




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

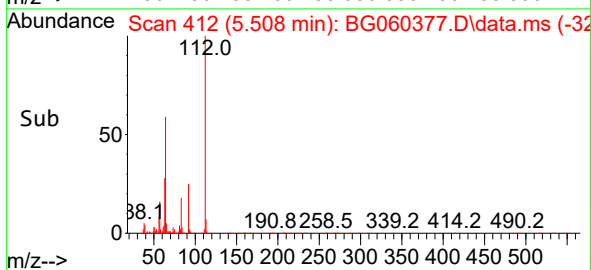
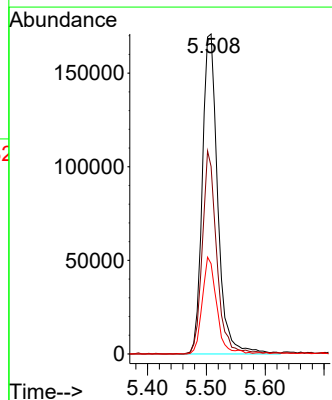
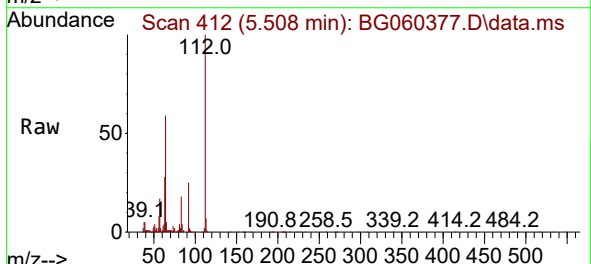
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

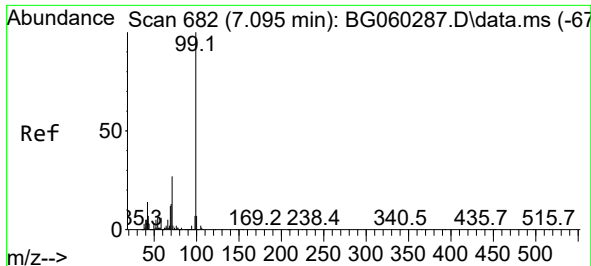
Tgt Ion:152 Resp: 270215
Ion Ratio Lower Upper
152 100
150 154.0 114.5 171.7
115 50.9 43.0 64.6



#5
2-Fluorophenol
Concen: 18.943 ng
RT: 5.508 min Scan# 412
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:112 Resp: 311213
Ion Ratio Lower Upper
112 100
64 58.6 49.8 74.6
63 28.2 24.4 36.6

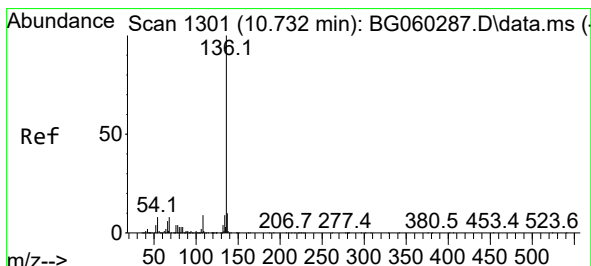
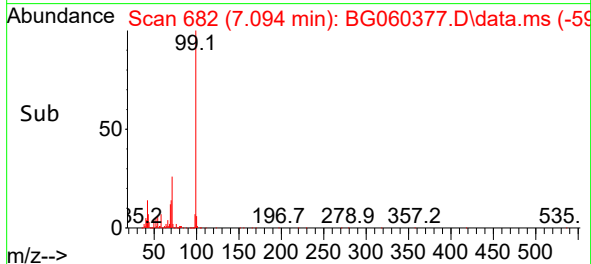
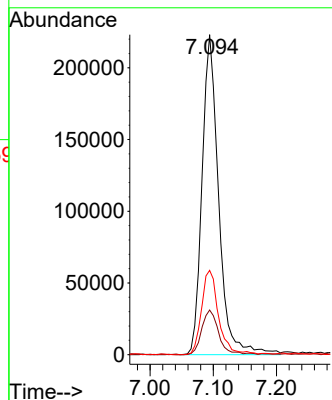
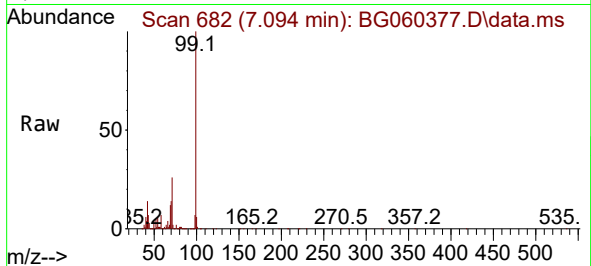




#7
Phenol-d6
Concen: 16.763 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

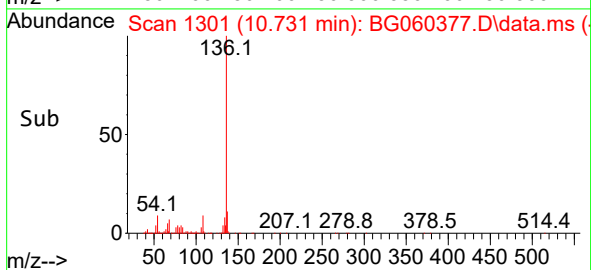
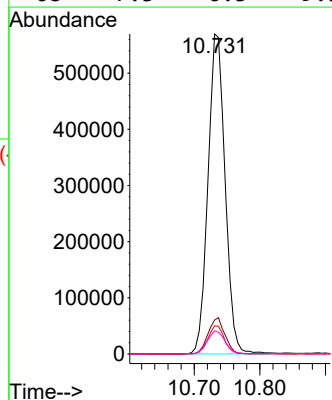
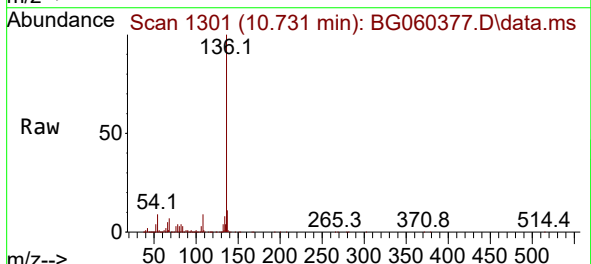
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

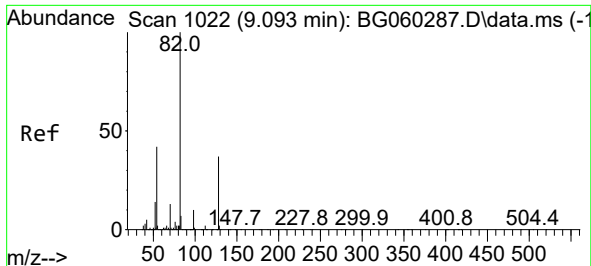
Tgt Ion: 99 Resp: 407792
Ion Ratio Lower Upper
99 100
42 13.9 10.9 16.3
71 26.4 21.5 32.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion: 136 Resp: 1034965
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.8 6.2 9.2
68 7.3 6.3 9.5

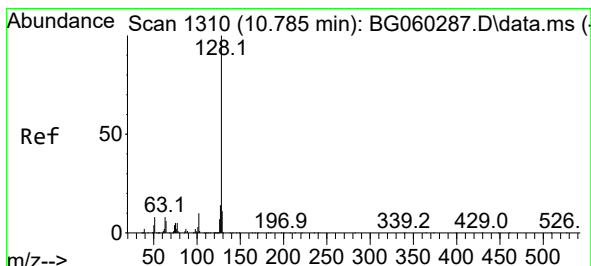
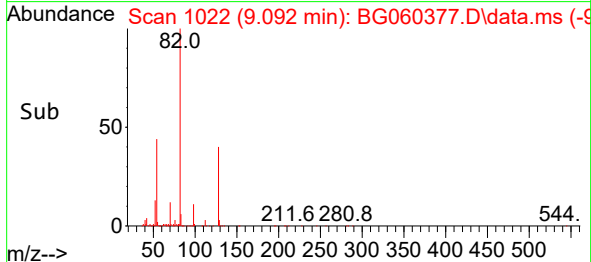
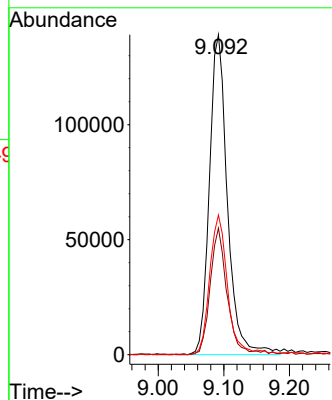
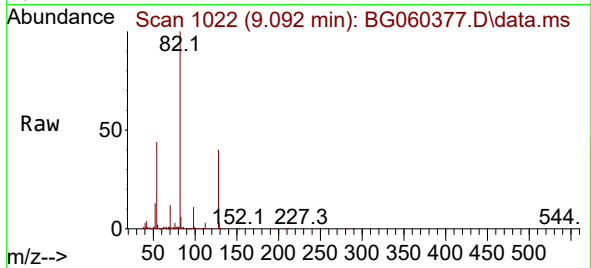




#23
Nitrobenzene-d5
Concen: 12.116 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

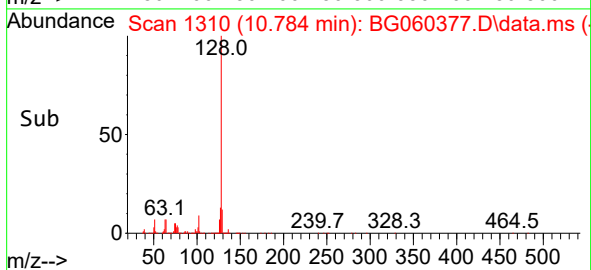
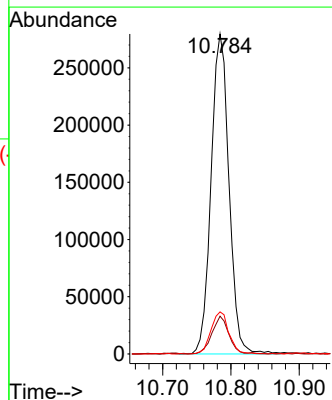
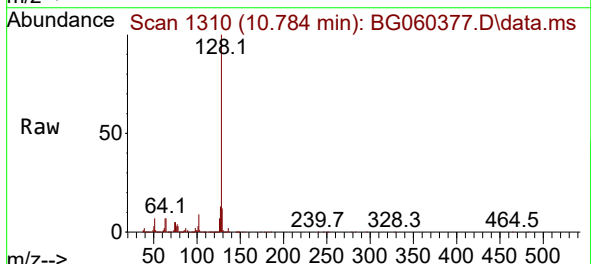
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

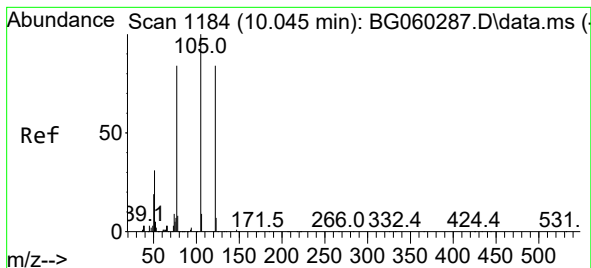
Tgt Ion: 82 Resp: 265568
Ion Ratio Lower Upper
82 100
128 39.5 29.6 44.4
54 43.7 33.6 50.4



#31
Naphthalene
Concen: 9.416 ng
RT: 10.784 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:128 Resp: 510845
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 13.1 10.9 16.3





#32

Benzoic acid

Concen: 10.212 ng

RT: 9.709 min Scan# 1184

Delta R.T. -0.336 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

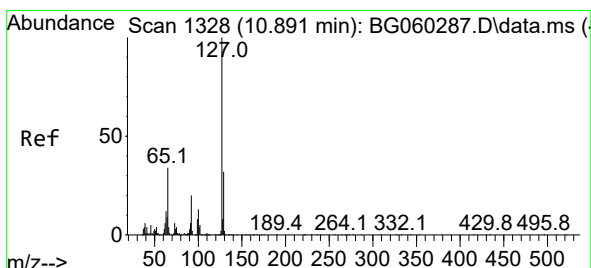
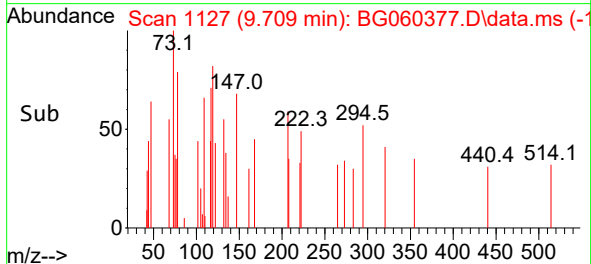
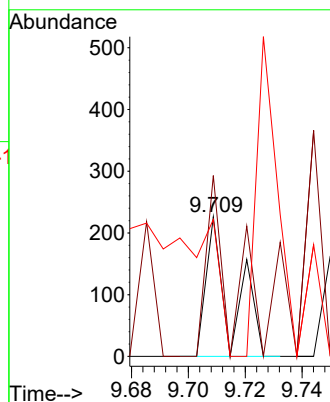
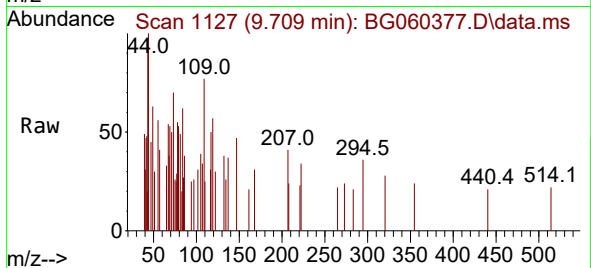
Tgt Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 129.6 96.0 136.0

77 98.2 80.1 120.1



#33

4-Chloroaniline

Concen: 3.212 ng

RT: 10.784 min Scan# 1310

Delta R.T. -0.107 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Tgt Ion:127 Resp: 67145

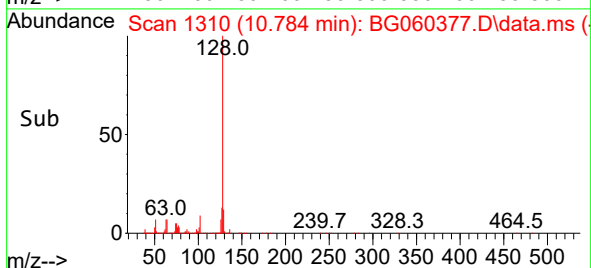
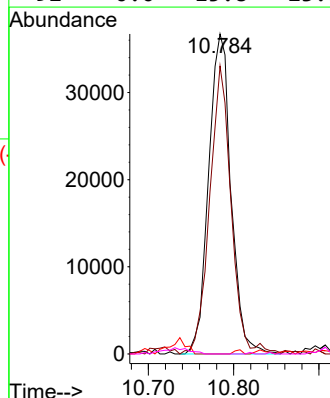
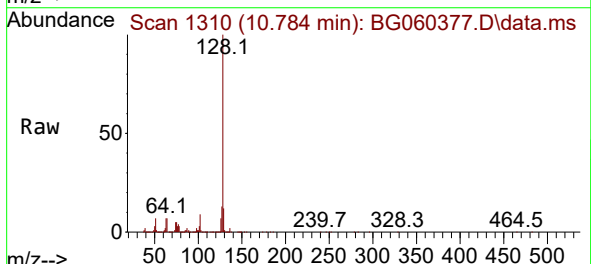
Ion Ratio Lower Upper

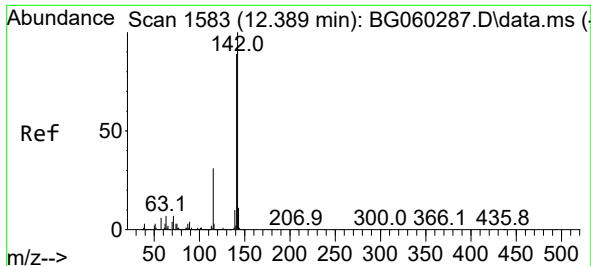
127 100

129 90.0 25.5 38.3#

65 0.0 27.5 41.3#

92 0.0 15.8 23.8#

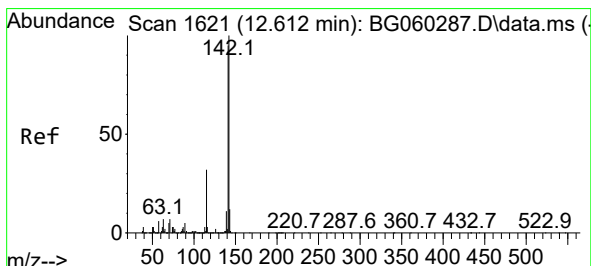
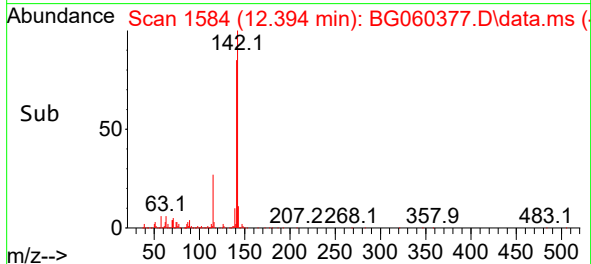
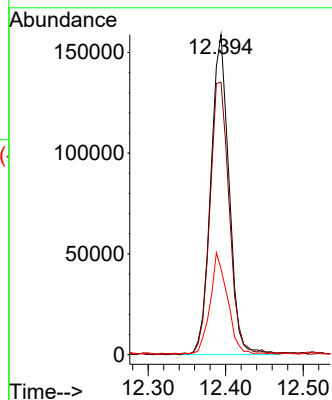
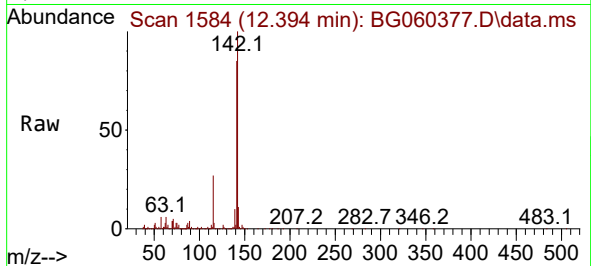




#37
2-Methylnaphthalene
Concen: 6.456 ng
RT: 12.394 min Scan# 1584
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

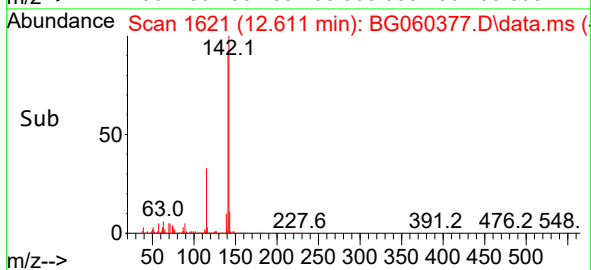
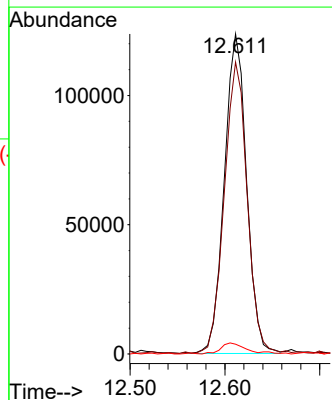
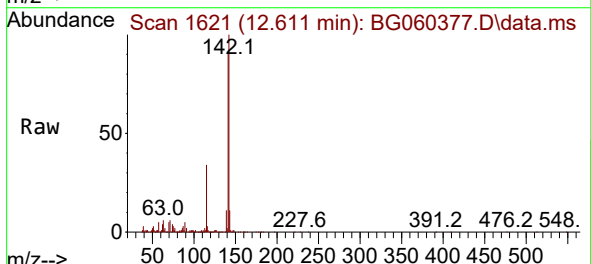
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

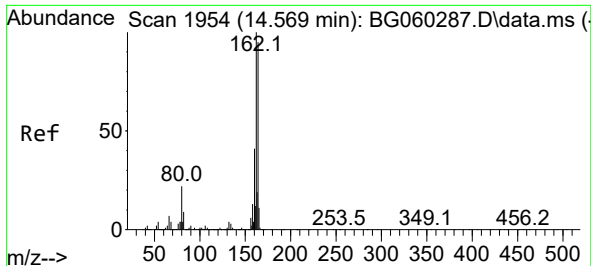
Tgt Ion:142 Resp: 259773
Ion Ratio Lower Upper
142 100
141 85.2 71.0 106.4
115 26.9 24.7 37.1



#38
1-Methylnaphthalene
Concen: 5.004 ng
RT: 12.611 min Scan# 1621
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:142 Resp: 202180
Ion Ratio Lower Upper
142 100
141 91.2 76.2 114.2
116 3.0 2.6 3.8

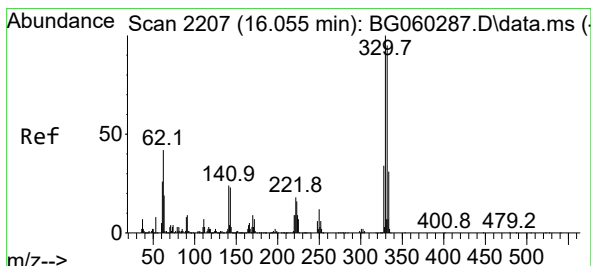
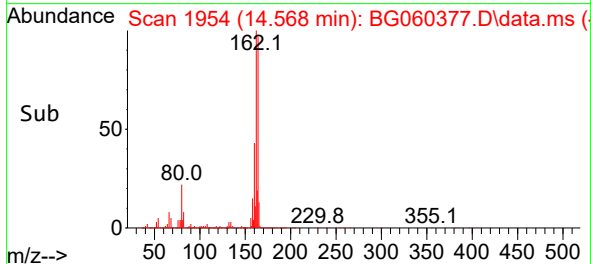
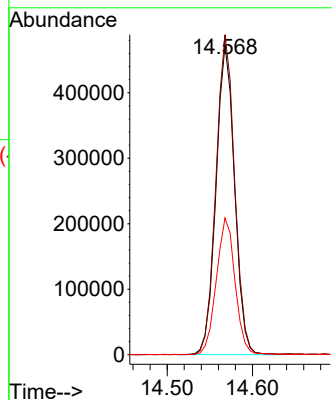
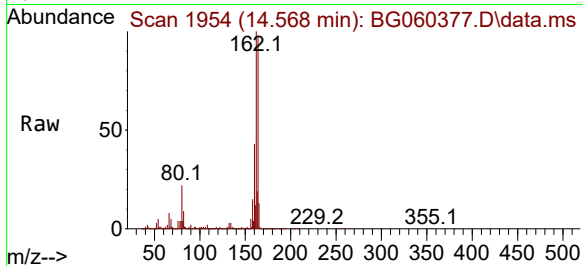




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

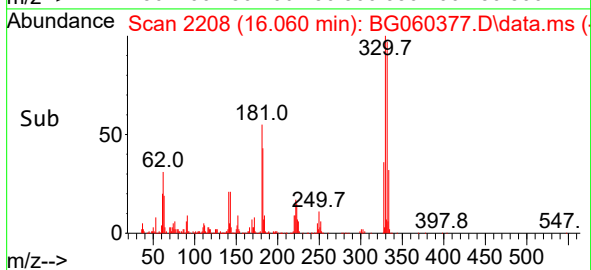
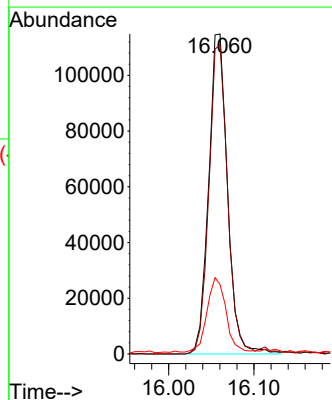
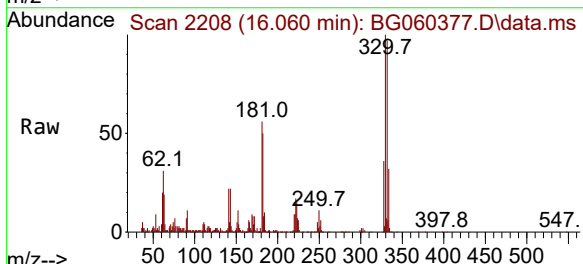
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

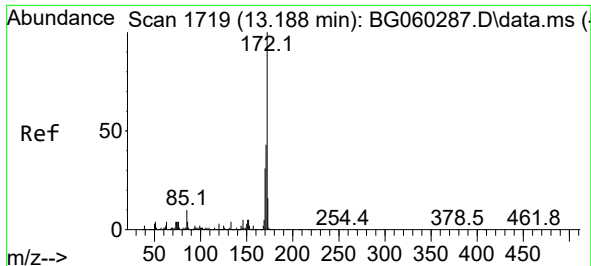
Tgt Ion:164 Resp: 713965
Ion Ratio Lower Upper
164 100
162 103.3 84.4 126.6
160 44.1 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 16.854 ng
RT: 16.060 min Scan# 2208
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:330 Resp: 177040
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 23.5 18.6 28.0

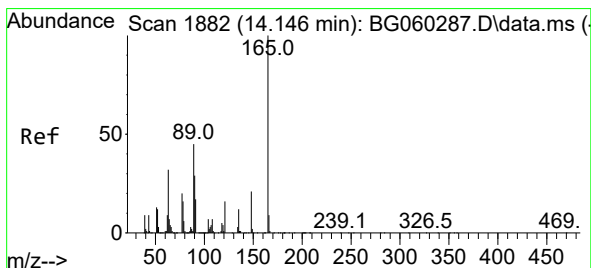
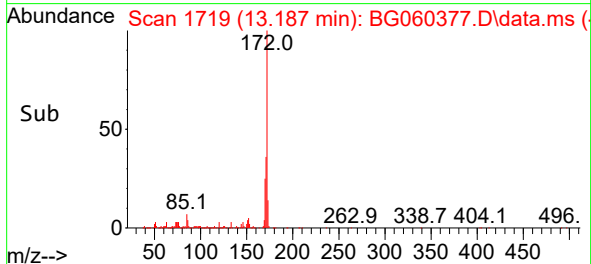
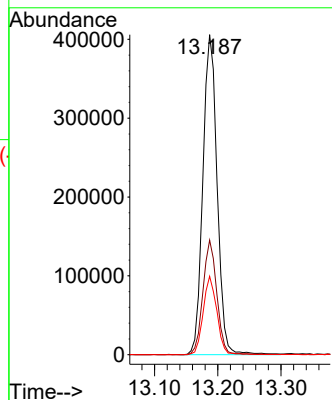
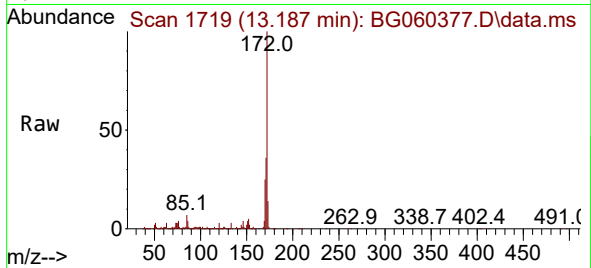




#45
2-Fluorobiphenyl
Concen: 12.384 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

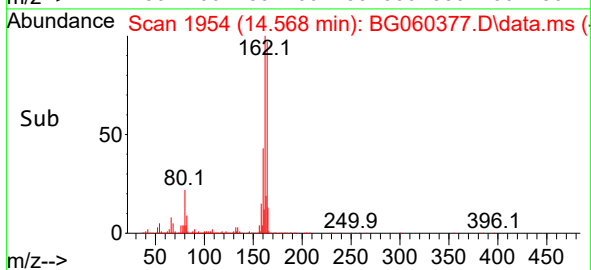
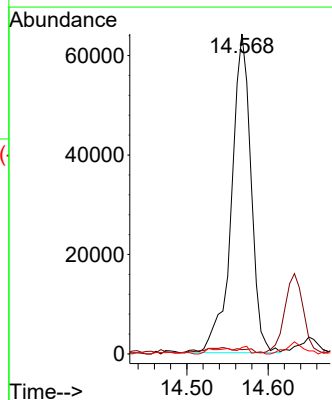
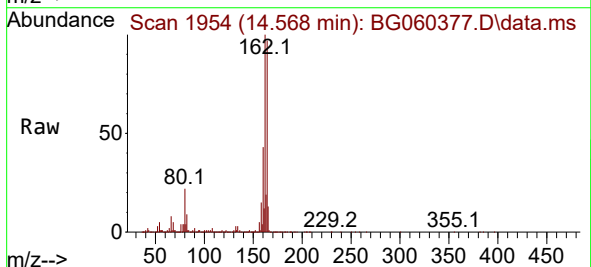
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

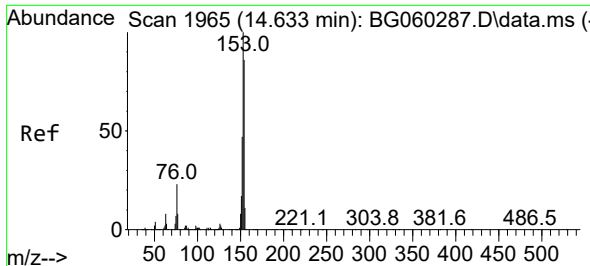
Tgt Ion:172 Resp: 635942
Ion Ratio Lower Upper
172 100
171 35.8 34.6 51.8
170 24.5 24.4 36.6



#51
2,6-Dinitrotoluene
Concen: 9.185 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.422 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:165 Resp: 106935
Ion Ratio Lower Upper
165 100
63 1.3 35.0 52.4#
89 2.1 36.2 54.2#

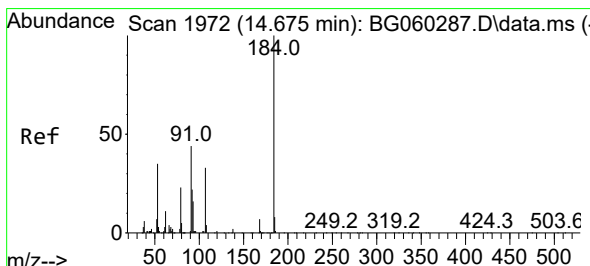
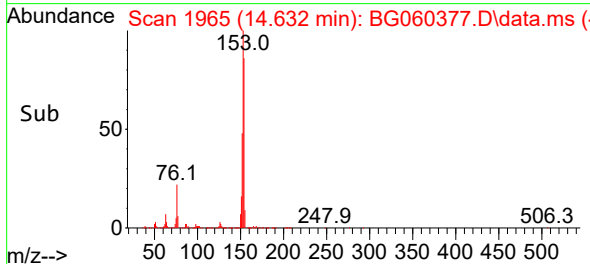
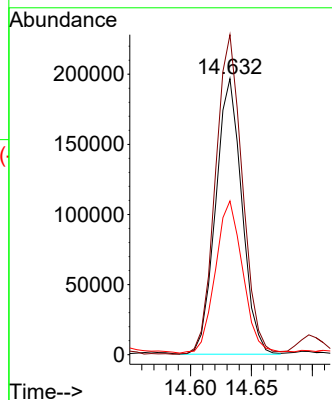
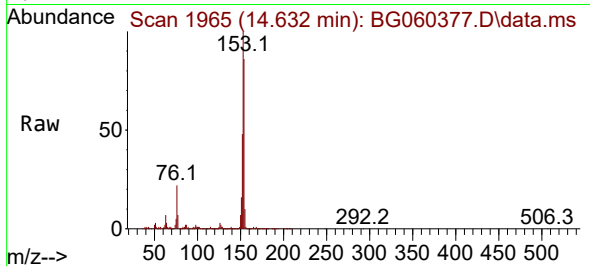




#52
Acenaphthene
Concen: 7.434 ng
RT: 14.632 min Scan# 1965
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

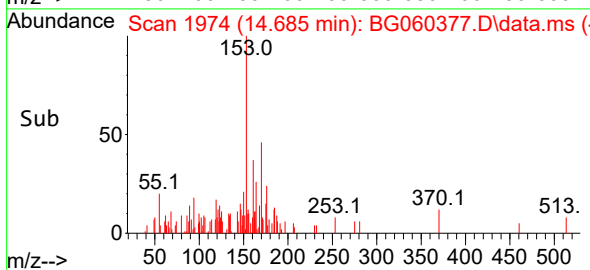
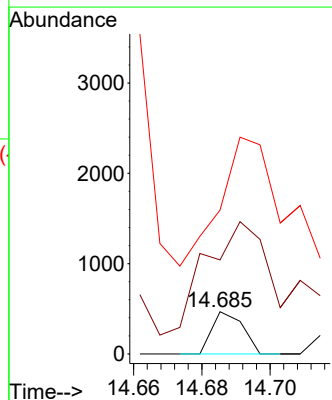
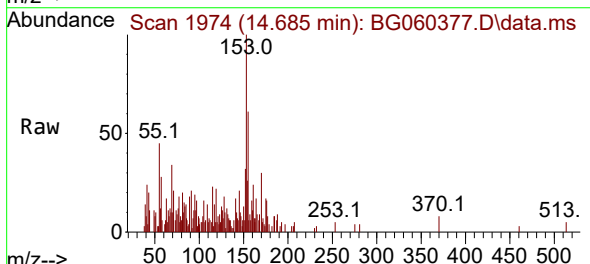
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

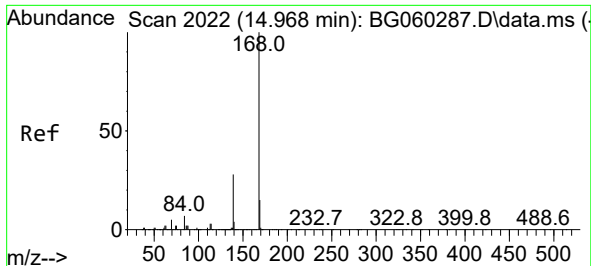
Tgt Ion:154 Resp: 294311
Ion Ratio Lower Upper
154 100
153 115.9 92.6 138.8
152 55.7 43.8 65.8



#54
2,4-Dinitrophenol
Concen: 8.624 ng
RT: 14.685 min Scan# 1974
Delta R.T. 0.010 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:184 Resp: 292
Ion Ratio Lower Upper
184 100
63 222.6 41.0 61.4#
154 340.2 39.2 58.8#

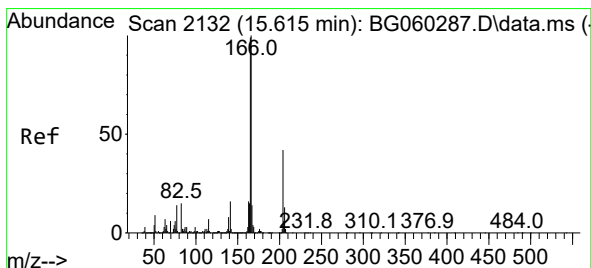
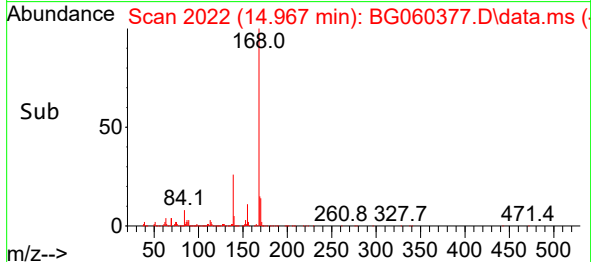
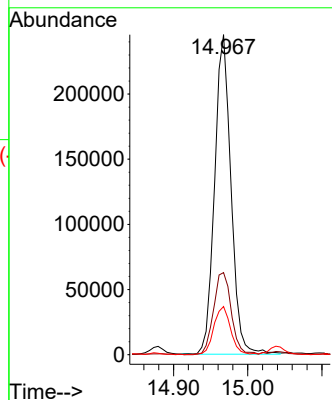
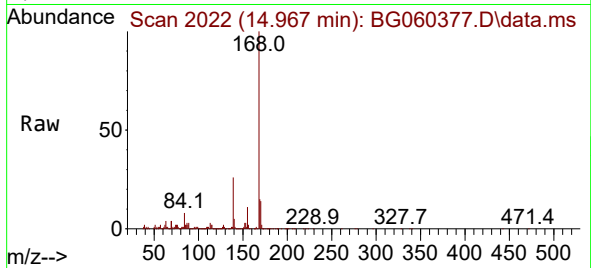




#55
Dibenzofuran
Concen: 5.698 ng
RT: 14.967 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

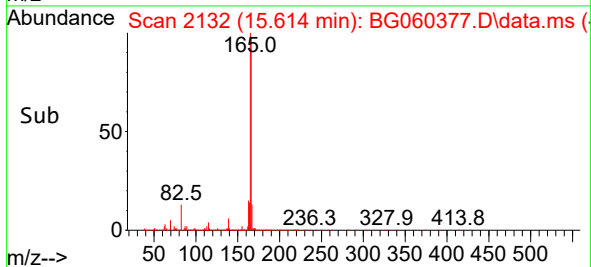
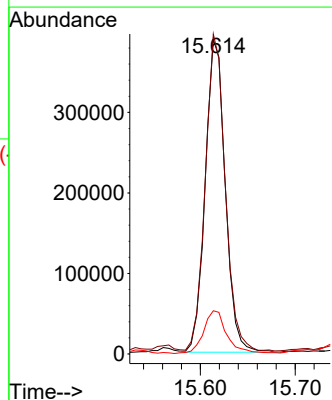
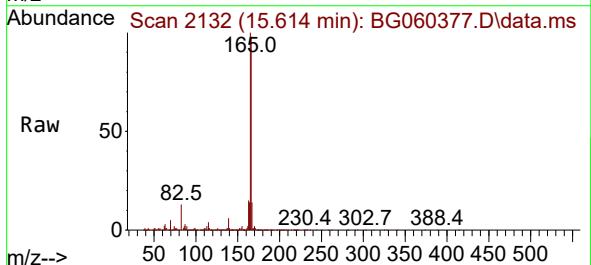
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

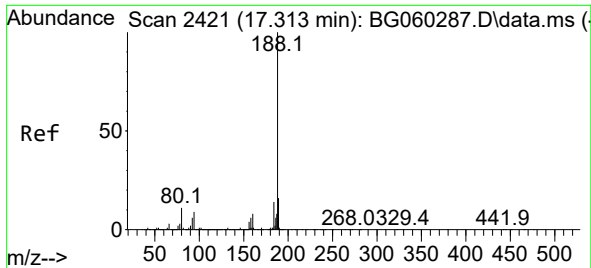
Tgt Ion:168 Resp: 376587
Ion Ratio Lower Upper
168 100
139 25.7 22.6 34.0
169 15.0 12.1 18.1



#58
Fluorene
Concen: 10.413 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:166 Resp: 569886
Ion Ratio Lower Upper
166 100
165 101.7 79.0 118.6
167 13.8 11.4 17.0

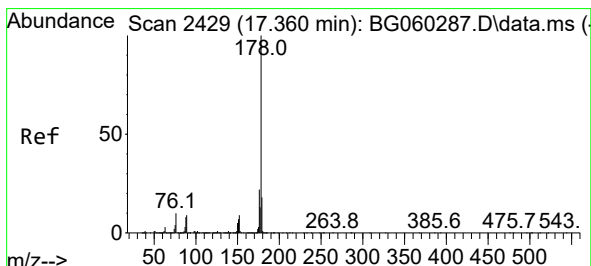
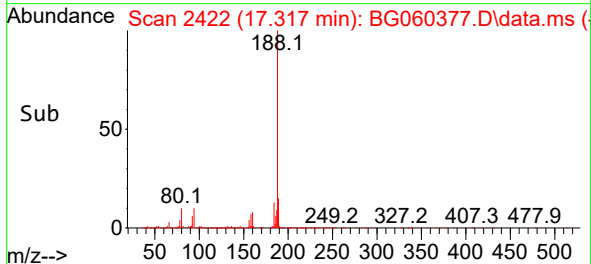
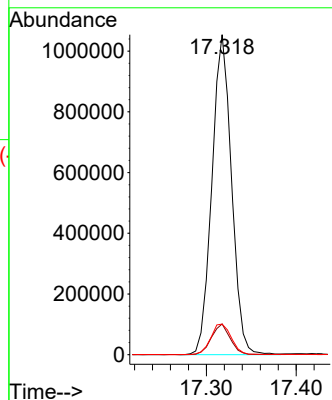
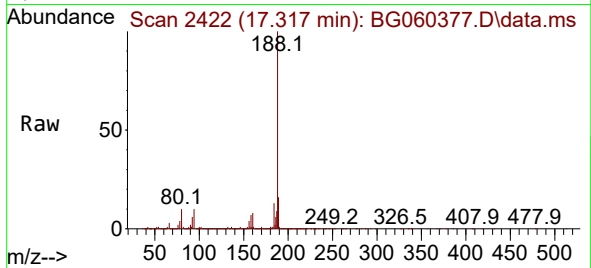




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2421
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

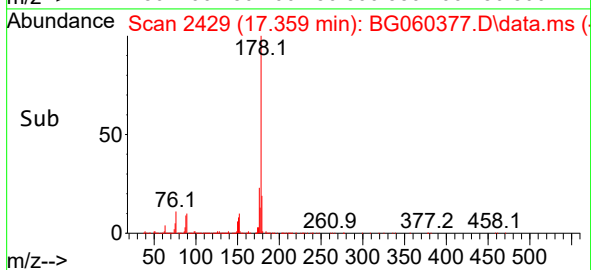
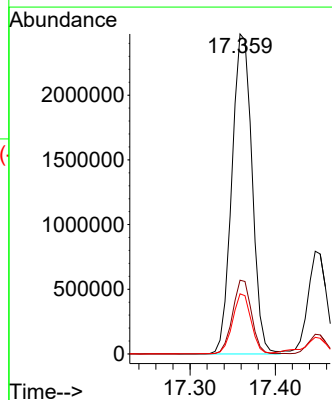
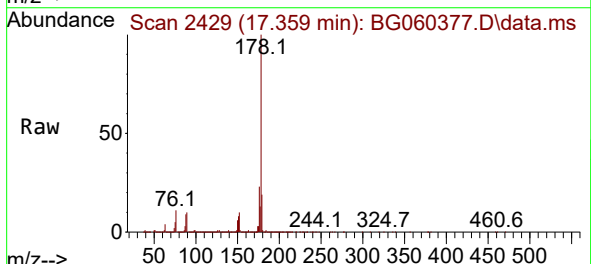
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

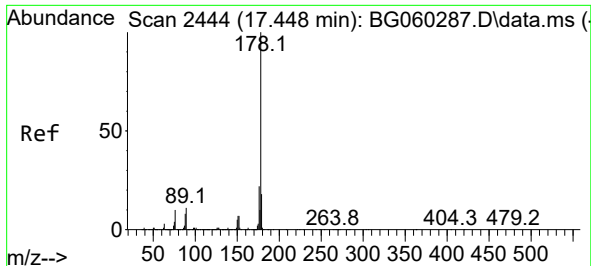
Tgt Ion:188 Resp: 1595531
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 9.6 8.5 12.7



#71
Phenanthrene
Concen: 52.783 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:178 Resp: 4070681
Ion Ratio Lower Upper
178 100
176 23.1 17.4 26.2
179 18.8 14.7 22.1

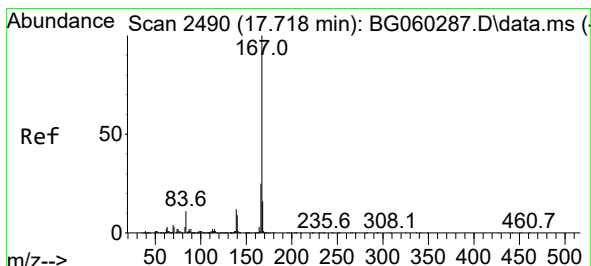
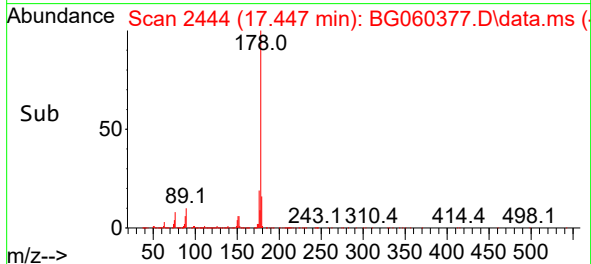
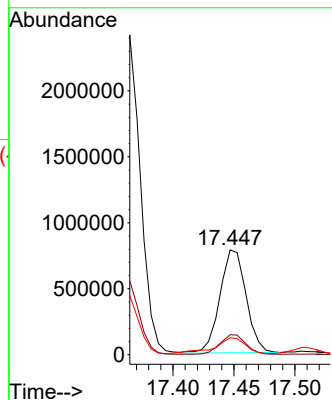
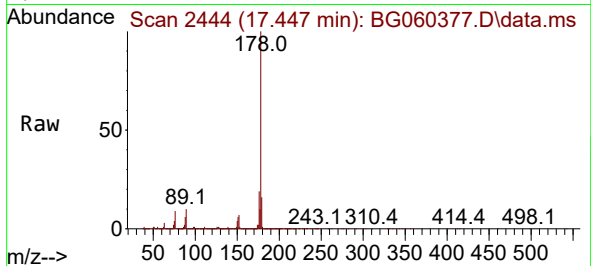




#72
 Anthracene
 Concen: 15.204 ng
 RT: 17.447 min Scan# 2444
 Delta R.T. -0.001 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

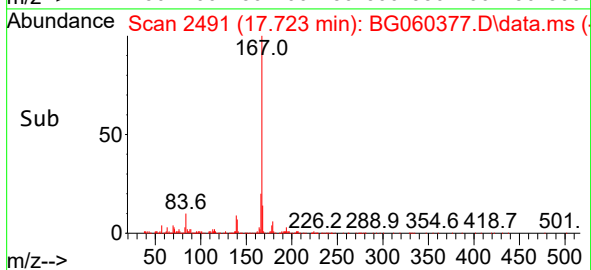
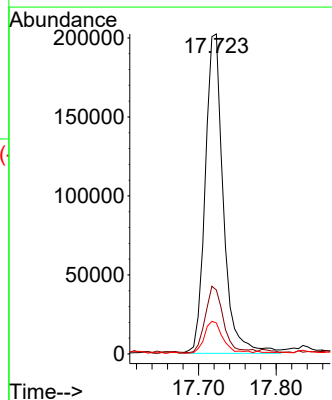
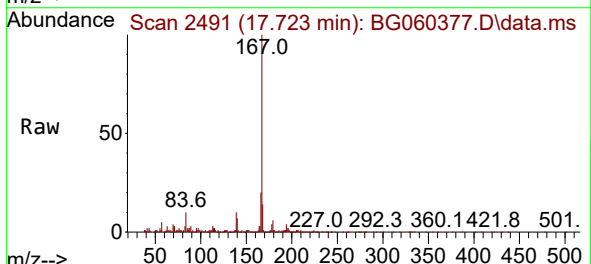
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-011824

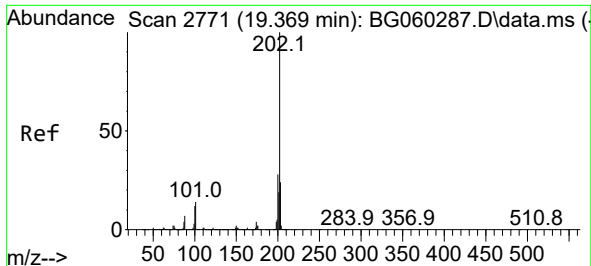
Tgt Ion:178 Resp: 1170650
 Ion Ratio Lower Upper
 178 100
 176 19.1 17.8 26.6
 179 16.3 14.1 21.1



#73
 Carbazole
 Concen: 4.518 ng
 RT: 17.723 min Scan# 2491
 Delta R.T. 0.005 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Tgt Ion:167 Resp: 327985
 Ion Ratio Lower Upper
 167 100
 166 20.0 19.8 29.8
 139 9.7 9.3 13.9

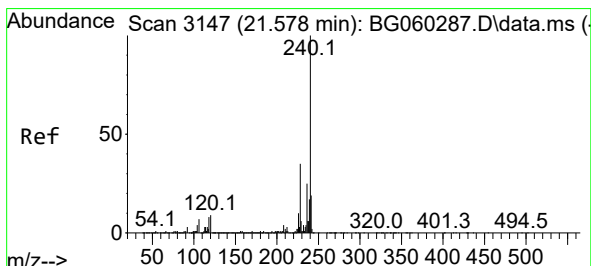
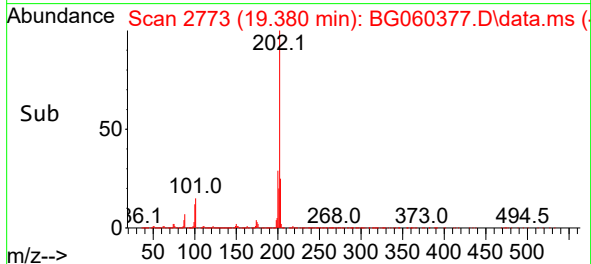
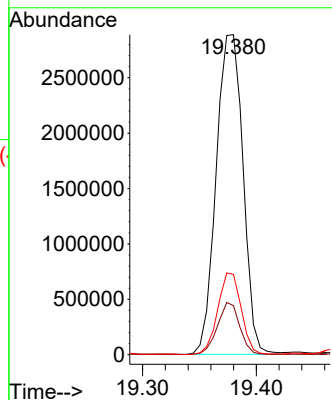
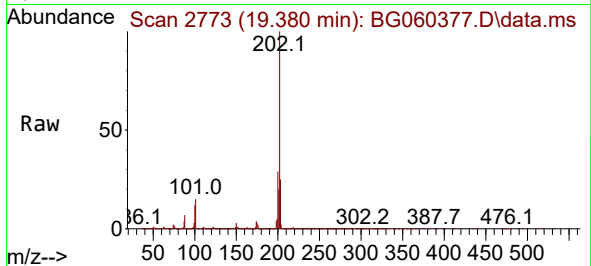




#75
Fluoranthene
Concen: 51.119 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

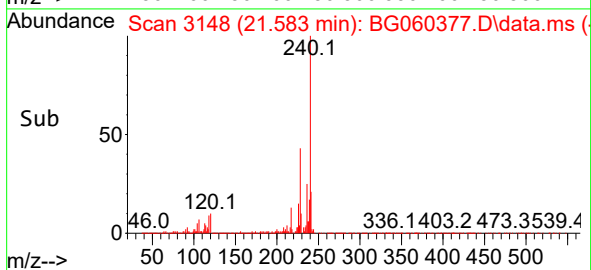
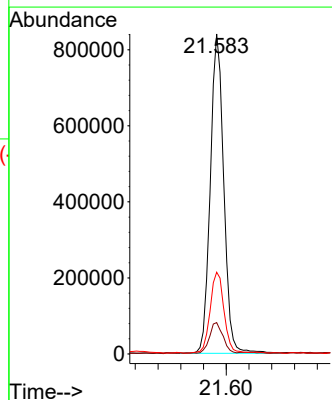
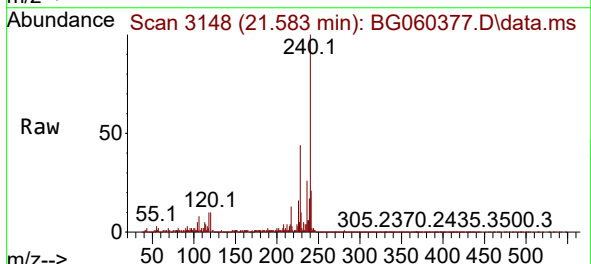
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

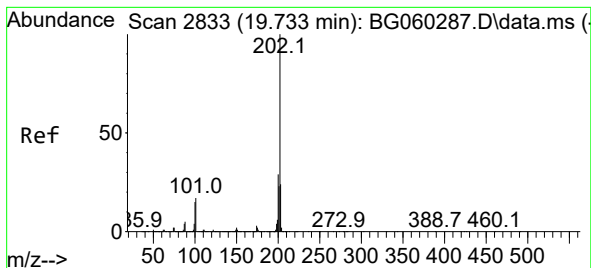
Tgt Ion:202 Resp: 4735153
Ion Ratio Lower Upper
202 100
101 15.3 0.0 34.4
203 25.1 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3148
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:240 Resp: 1372589
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.6 20.3 30.5





#78

Pyrene

Concen: 49.936 ng

RT: 19.738 min Scan# 2833

Delta R.T. 0.005 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

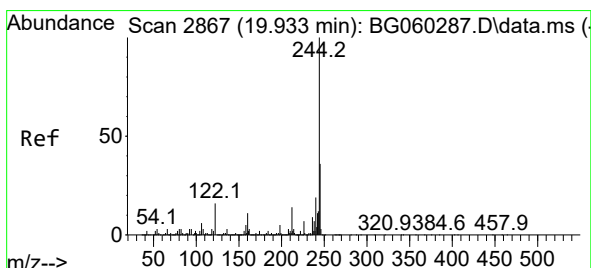
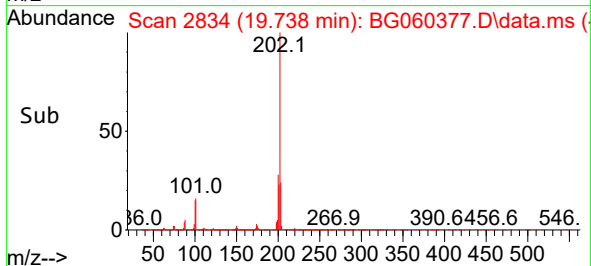
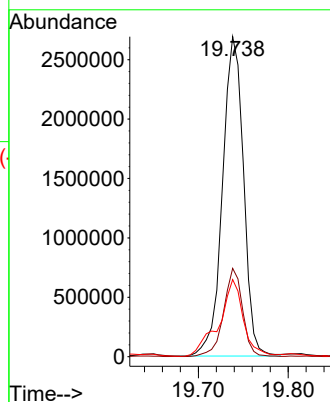
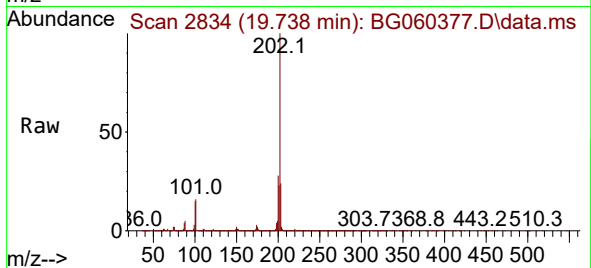
Tgt Ion:202 Resp: 4377003

Ion Ratio Lower Upper

202 100

200 27.6 23.5 35.3

203 24.1 19.6 29.4



#79

Terphenyl-d14

Concen: 9.764 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

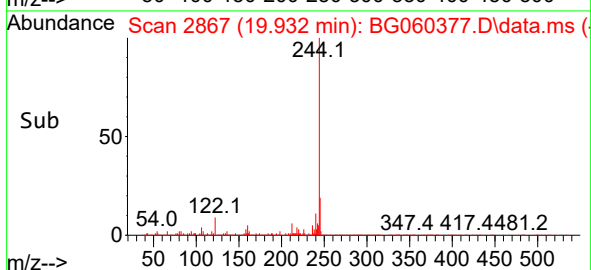
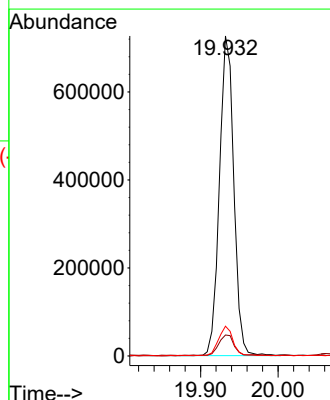
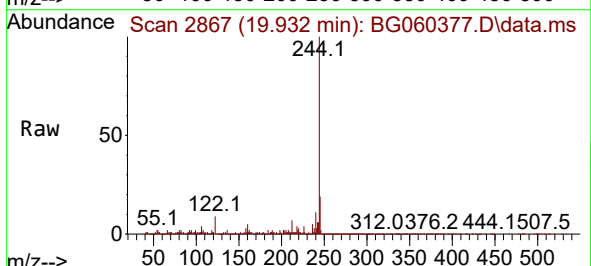
Tgt Ion:244 Resp: 936311

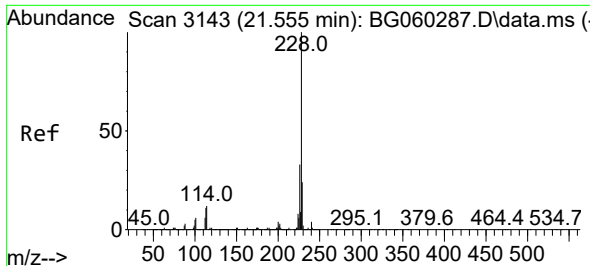
Ion Ratio Lower Upper

244 100

212 6.6 10.9 16.3#

122 9.3 12.6 18.8#

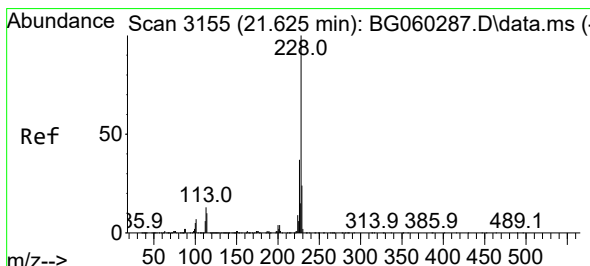
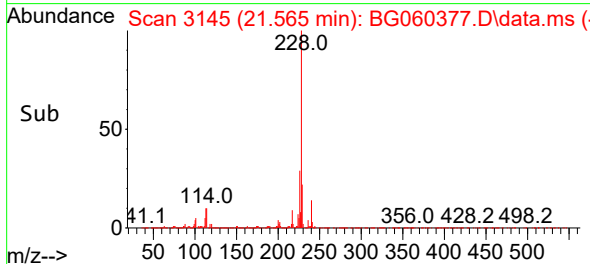
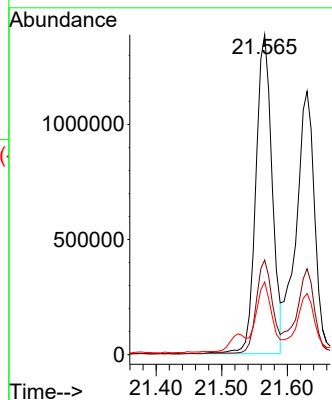
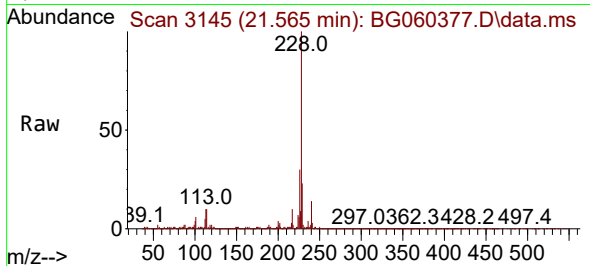




#81
Benzo(a)anthracene
Concen: 28.036 ng
RT: 21.565 min Scan# 3145
Delta R.T. 0.011 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

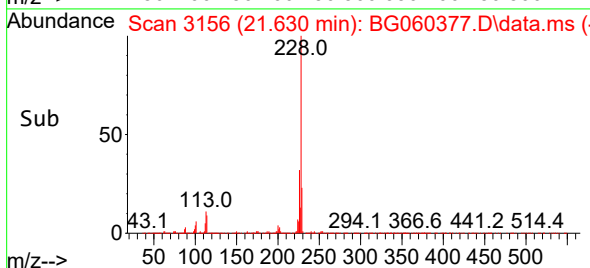
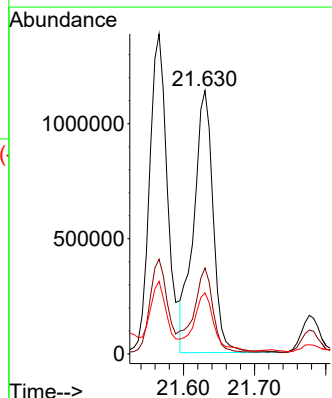
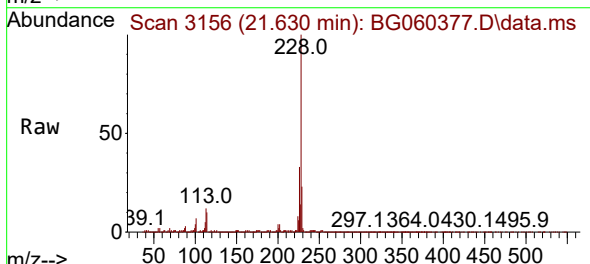
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

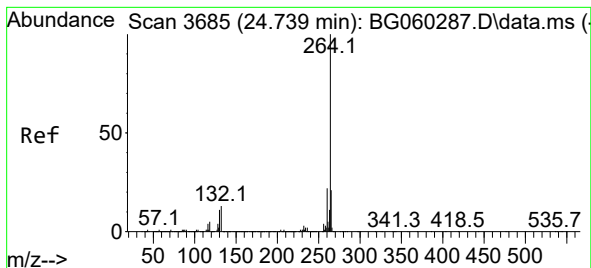
Tgt Ion:228 Resp: 2382301
Ion Ratio Lower Upper
228 100
226 29.6 26.2 39.2
229 22.7 19.4 29.2



#83
Chrysene
Concen: 26.000 ng
RT: 21.630 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:228 Resp: 2172905
Ion Ratio Lower Upper
228 100
226 32.7 29.4 44.2
229 23.2 19.2 28.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.756 min Scan# 30

Delta R.T. 0.017 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

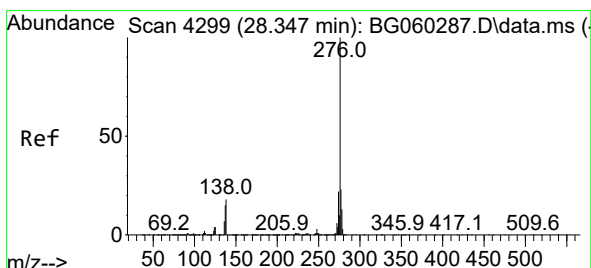
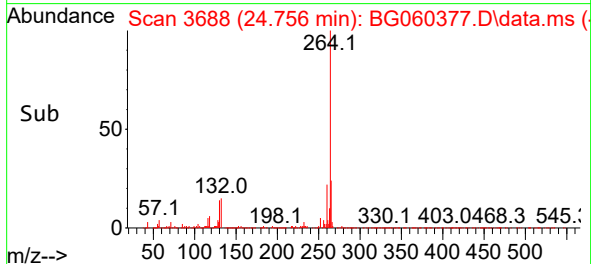
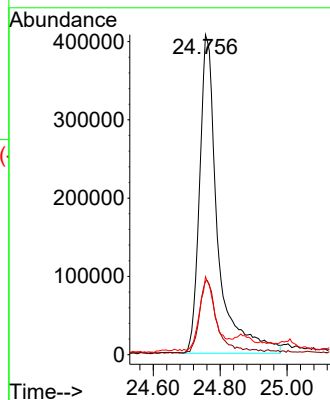
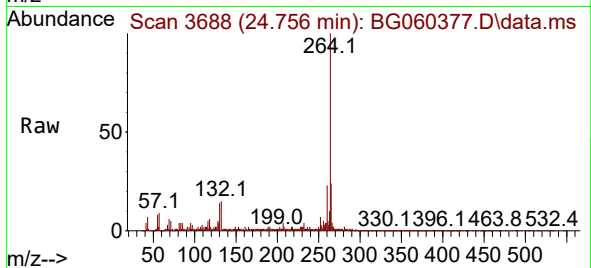
Tgt Ion:264 Resp: 1532719

Ion Ratio Lower Upper

264 100

260 23.0 17.8 26.6

265 24.3 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.770 ng

RT: 28.369 min Scan# 4303

Delta R.T. 0.022 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

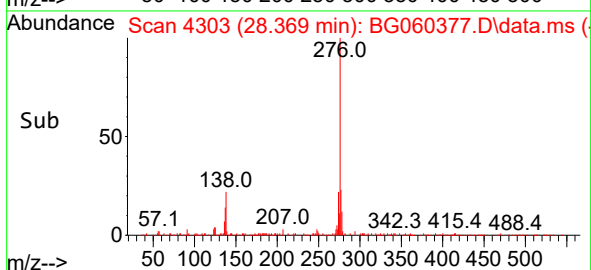
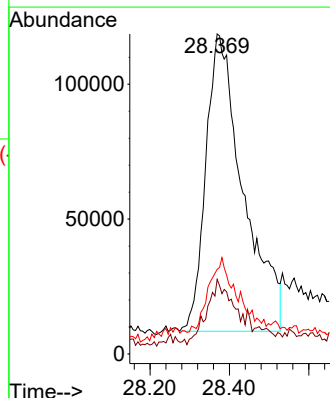
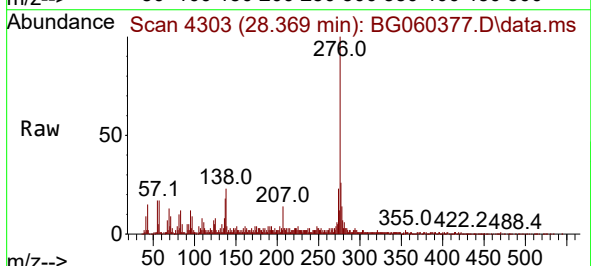
Tgt Ion:276 Resp: 721498

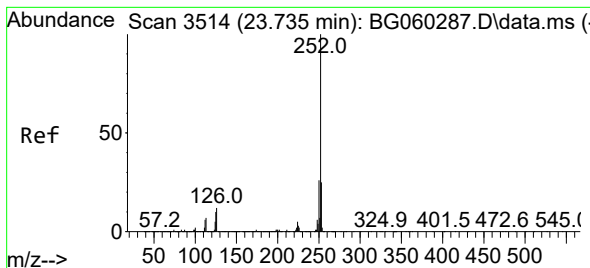
Ion Ratio Lower Upper

276 100

138 15.6 12.5 18.7

277 19.5 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 26.903 ng

RT: 23.751 min Scan# 3517

Delta R.T. 0.017 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

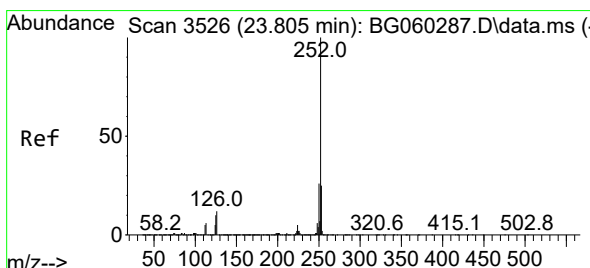
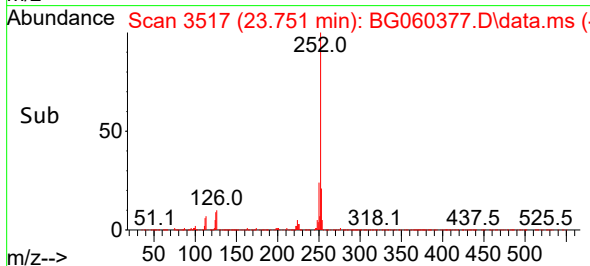
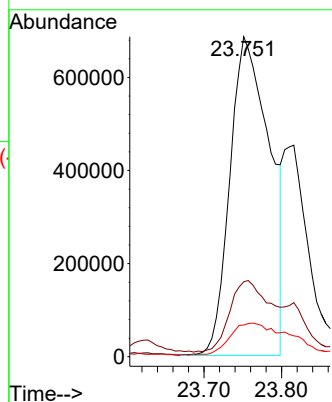
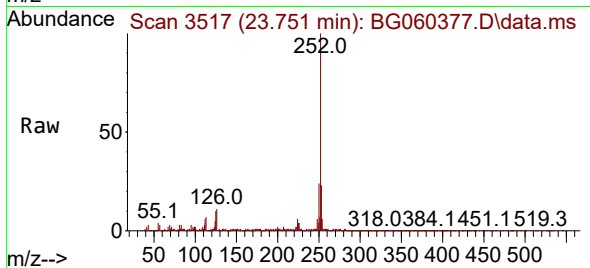
Tgt Ion:252 Resp: 2436018

Ion Ratio Lower Upper

252 100

253 23.4 20.0 30.0

125 9.9 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 27.263 ng

RT: 23.751 min Scan# 3517

Delta R.T. -0.054 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

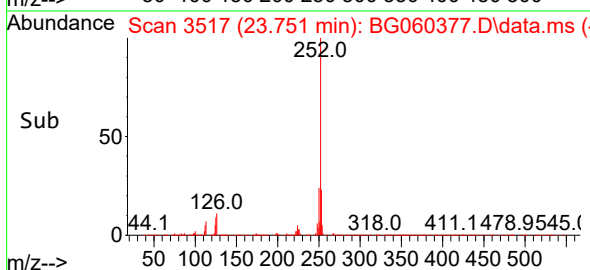
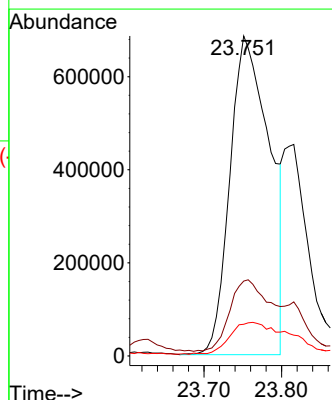
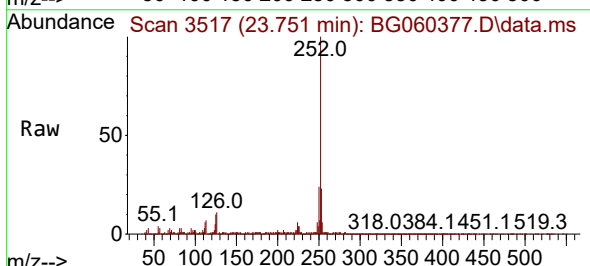
Tgt Ion:252 Resp: 2436018

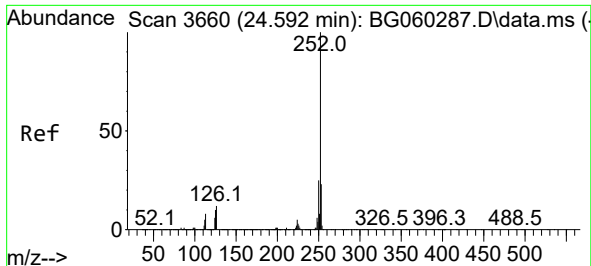
Ion Ratio Lower Upper

252 100

253 23.4 19.6 29.4

125 9.9 8.2 12.2

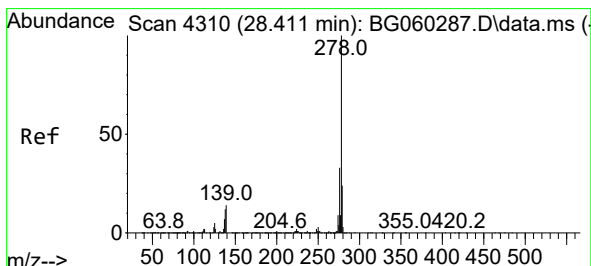
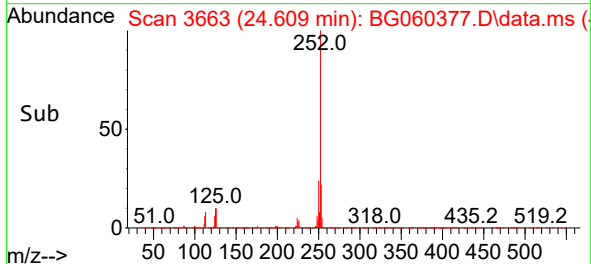
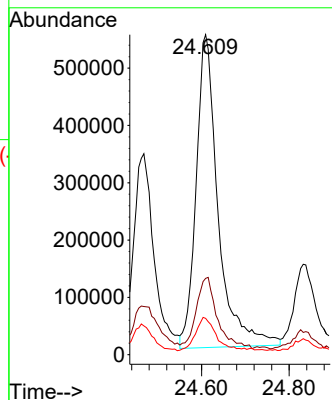
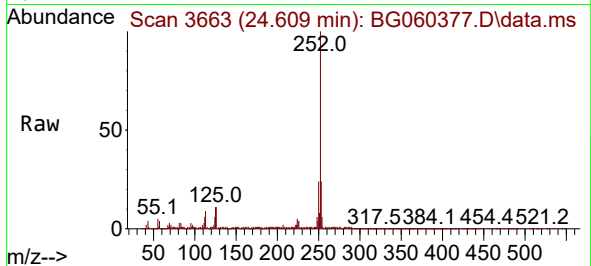




#90
Benzo(a)pyrene
Concen: 23.359 ng
RT: 24.609 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

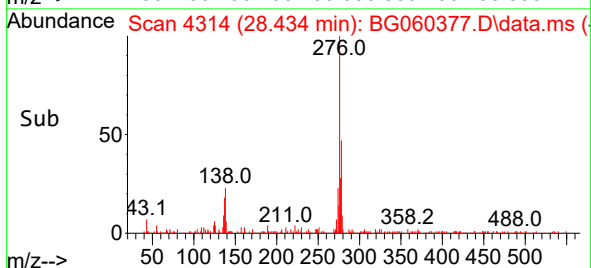
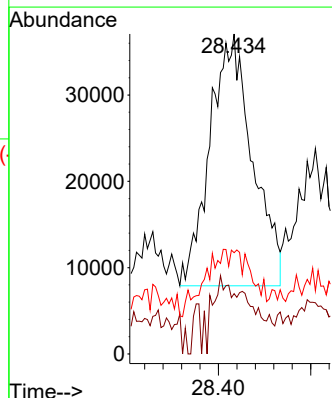
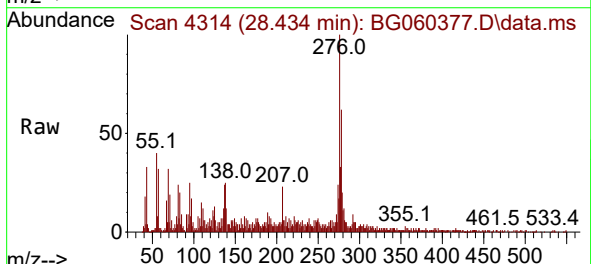
Instrument :
BNA_G
ClientSampleId :
OR-03-011824

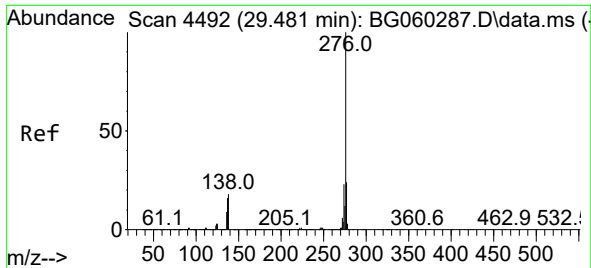
Tgt Ion:252 Resp: 1910668
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 11.4 8.1 12.1



#91
Dibenzo(a,h)anthracene
Concen: 2.149 ng
RT: 28.434 min Scan# 4314
Delta R.T. 0.022 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:278 Resp: 186994
Ion Ratio Lower Upper
278 100
139 18.8 10.9 16.3#
279 31.7 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 5.326 ng
 RT: 29.509 min Scan# 44
 Delta R.T. 0.028 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-011824

Tgt Ion:276 Resp: 475079
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.4 29.0
 138 21.6 14.2 21.4#

