

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
 Data File : BG060361.D
 Acq On : 18 Jan 2024 20:53
 Operator : MA/JU
 Sample : P1169-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

Quant Time: Jan 19 00:26:06 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)

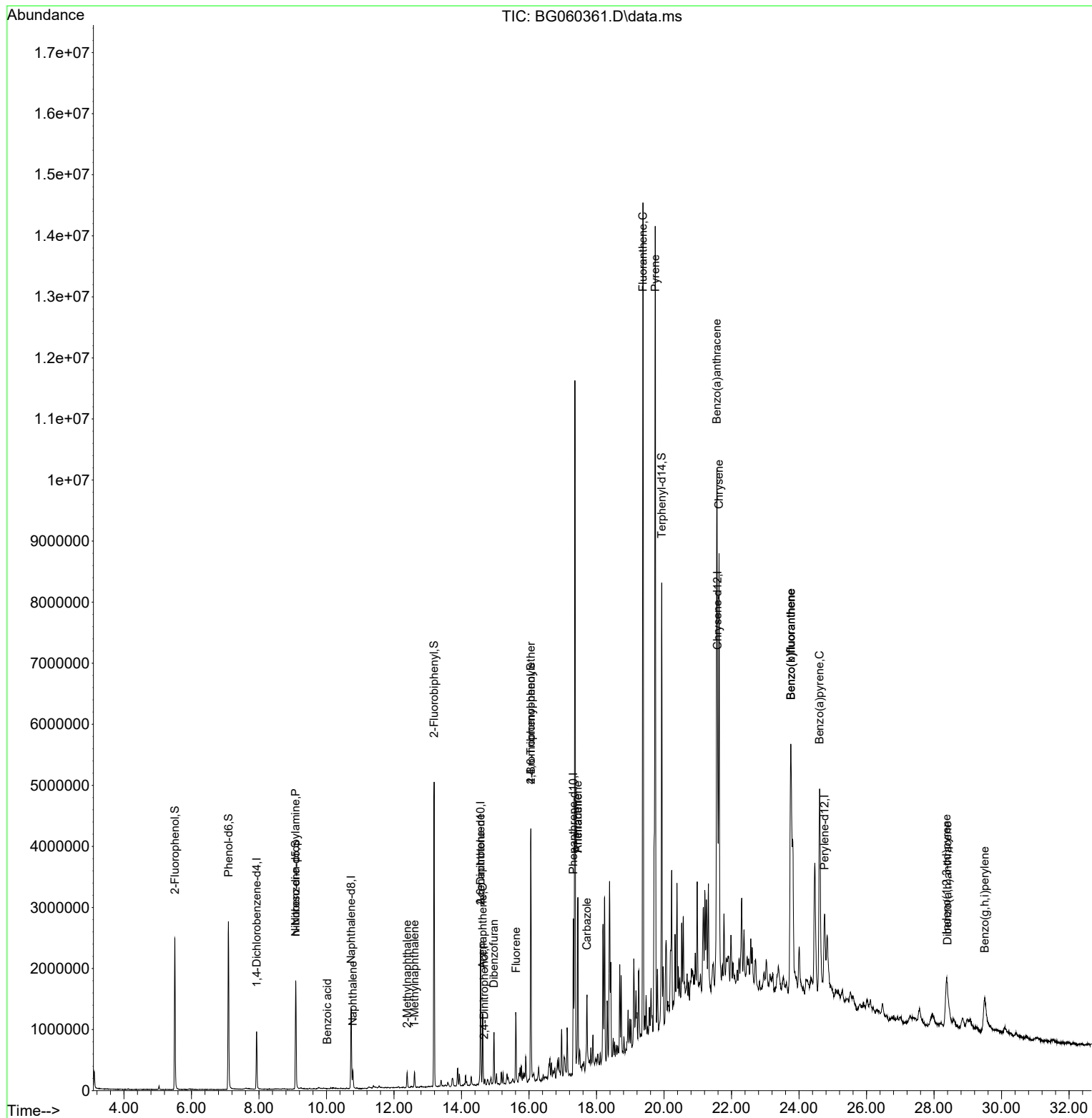
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	302836	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	1182024	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	795957	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	1798738	20.000	ng	0.00
76) Chrysene-d12	21.584	240	1480555	20.000	ng	0.00
86) Perylene-d12	24.757	264	1665498	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.509	112	1279130	69.473	ng	0.00
7) Phenol-d6	7.096	99	1931926	70.861	ng	0.00
23) Nitrobenzene-d5	9.087	82	1248939	49.893	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	866755	74.013	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	2806383	49.020	ng	0.00
79) Terphenyl-d14	19.933	244	3563690	52.389	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	153336	8.126	ng	# 78
31) Naphthalene	10.779	128	247556	3.995	ng	99
32) Benzoic acid	10.022	122	267	10.220	ng	# 1
37) 2-Methylnaphthalene	12.389	142	128339	2.793	ng	97
38) 1-Methylnaphthalene	12.607	142	127637	2.766	ng	100
51) 2,6-Dinitrotoluene	14.563	165	117773	9.074	ng	# 35
52) Acenaphthene	14.628	154	427757	9.692	ng	99
54) 2,4-Dinitrophenol	14.669	184	342	8.625	ng	# 1
55) Dibenzofuran	14.963	168	522817	7.096	ng	99
58) Fluorene	15.615	166	512607	8.402	ng	99
67) 4-Bromophenyl-phenylether	16.056	248	52337	2.648	ng	# 1
71) Phenanthrene	17.448	178	1961938	22.566	ng	95
72) Anthracene	17.448	178	1961938	22.602	ng	96
73) Carbazole	17.718	167	865860	10.581	ng	97
75) Fluoranthene	19.375	202	7220917	69.148	ng	69
78) Pyrene	19.740	202	7283797	77.038	ng	# 71
81) Benzo(a)anthracene	21.567	228	4813676	52.518	ng	95
83) Chrysene	21.631	228	4549882	50.473	ng	96
87) Indeno(1,2,3-cd)pyrene	28.371	276	1787409	15.435	ng	# 91
88) Benzo(b)fluoranthene	23.758	252	5601448	56.931	ng	98
89) Benzo(k)fluoranthene	23.758	252	5601448	57.692	ng	98
90) Benzo(a)pyrene	24.610	252	4523902	50.898	ng	94
91) Dibenzo(a,h)anthracene	28.400	278	404096	4.273	ng	# 83
92) Benzo(g,h,i)perylene	29.505	276	1808006	18.653	ng	96

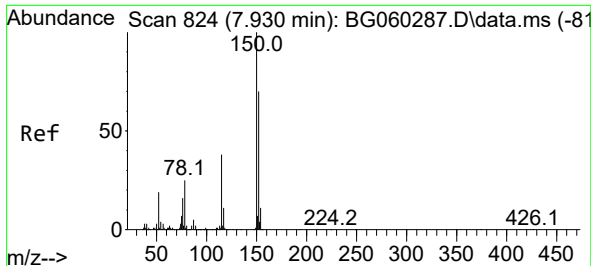
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Time: Jan 19 00:26:06 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

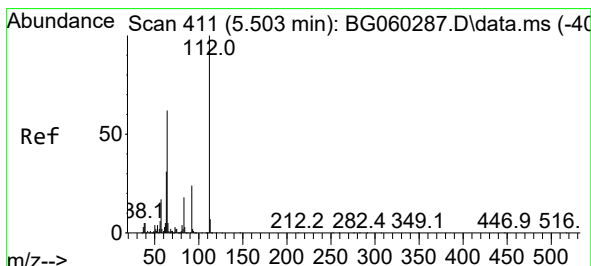
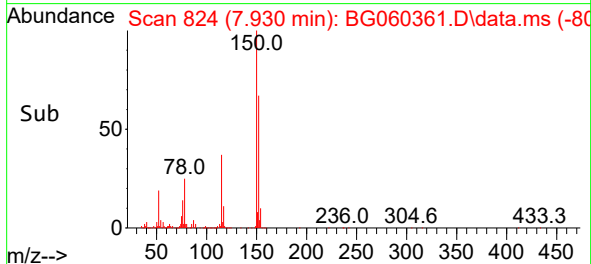
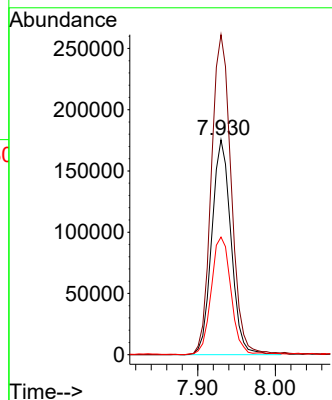
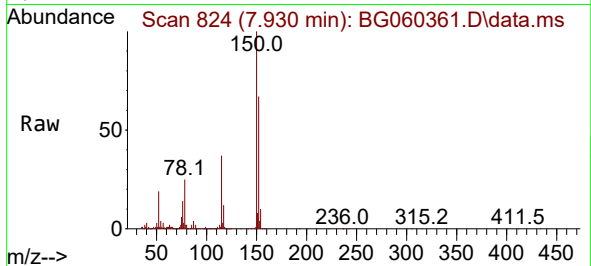




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

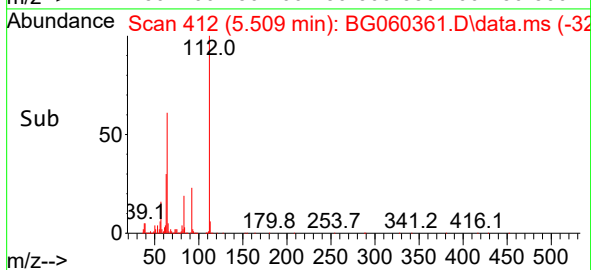
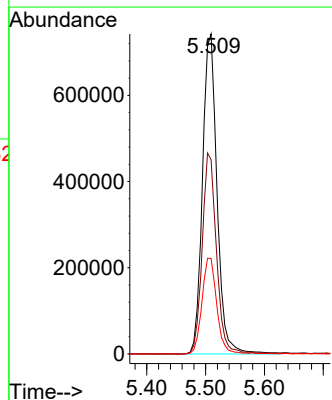
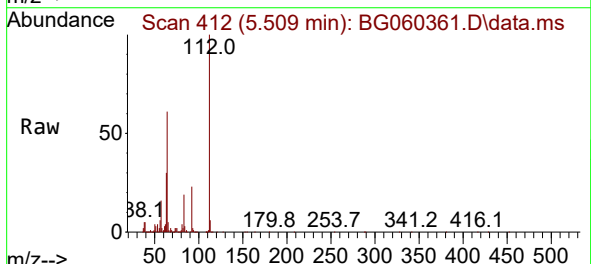
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

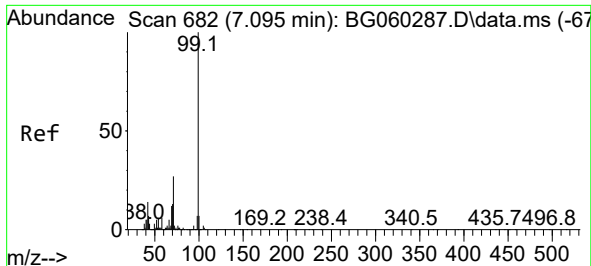
Tgt Ion:152 Resp: 302836
Ion Ratio Lower Upper
152 100
150 148.9 114.5 171.7
115 54.7 43.0 64.6



#5
2-Fluorophenol
Concen: 69.473 ng
RT: 5.509 min Scan# 412
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:112 Resp: 1279130
Ion Ratio Lower Upper
112 100
64 60.7 49.8 74.6
63 29.8 24.4 36.6

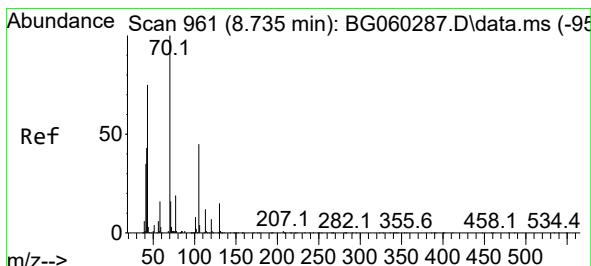
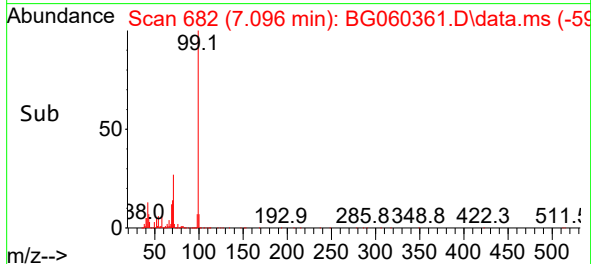
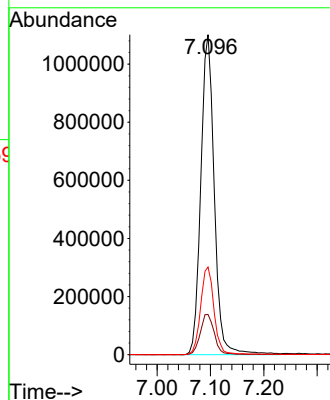
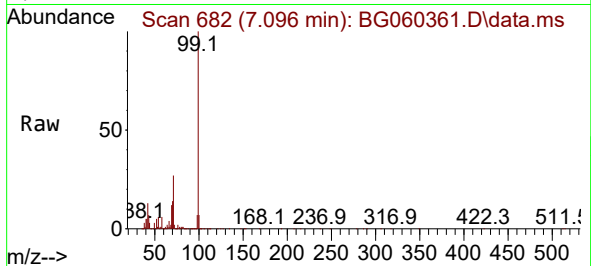




#7
Phenol-d6
Concen: 70.861 ng
RT: 7.096 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

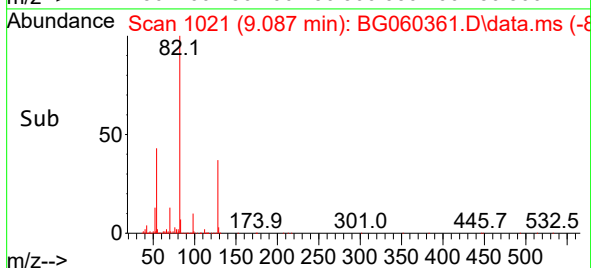
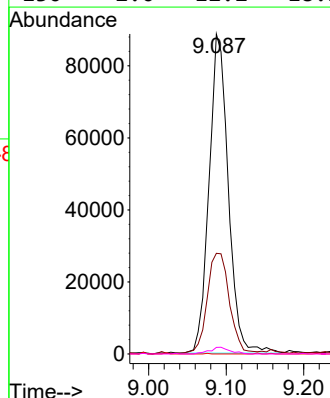
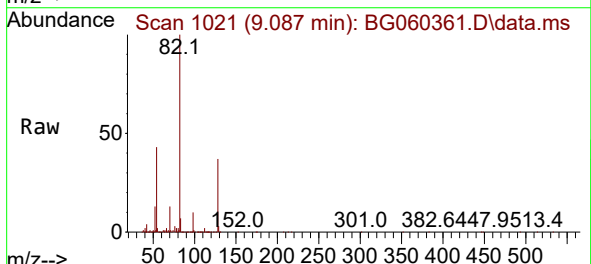
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

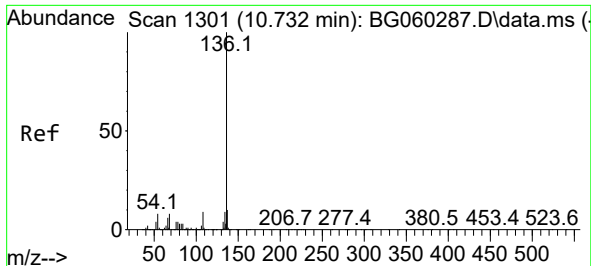
Tgt Ion: 99 Resp: 1931926
Ion Ratio Lower Upper
99 100
42 12.6 10.9 16.3
71 27.4 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.126 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion: 70 Resp: 153336
Ion Ratio Lower Upper
70 100
42 31.5 34.3 51.5#
101 0.0 6.2 9.2#
130 2.0 12.2 18.2#

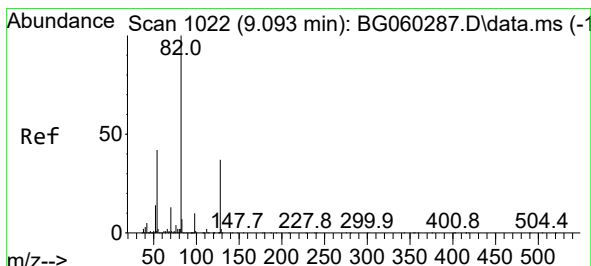
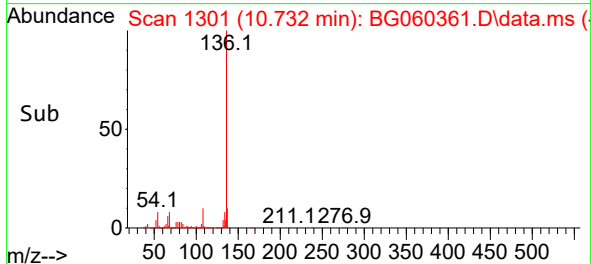
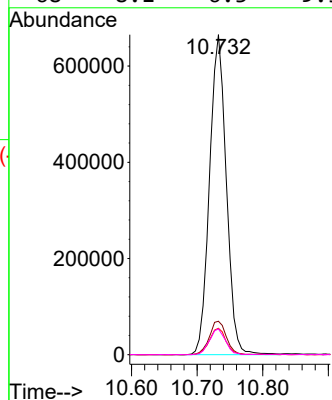
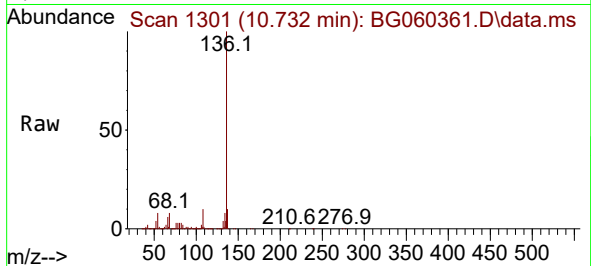




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

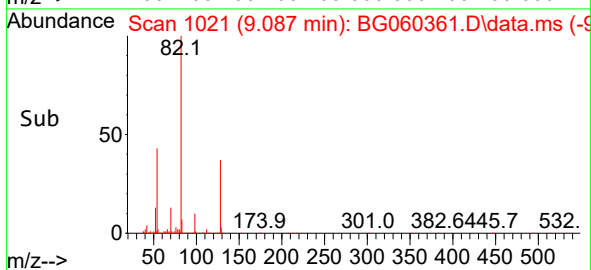
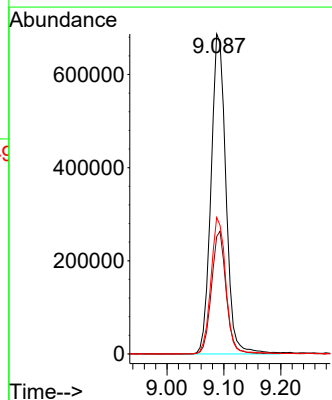
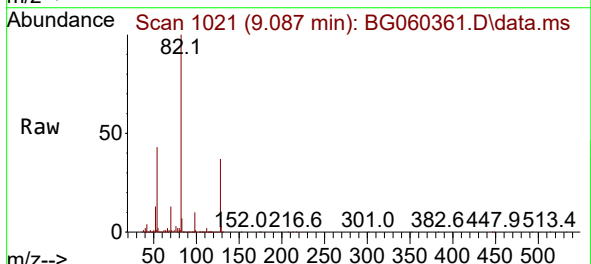
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

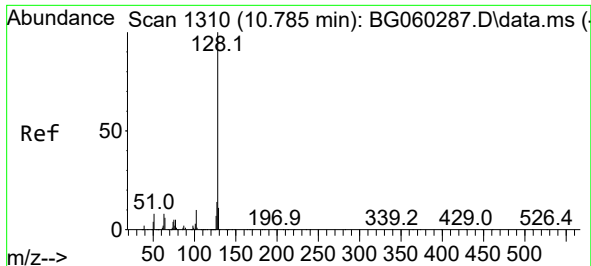
Tgt Ion:136 Resp: 1182024
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 8.2 6.2 9.2
68 8.1 6.3 9.5



#23
Nitrobenzene-d5
Concen: 49.893 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion: 82 Resp: 1248939
Ion Ratio Lower Upper
82 100
128 36.7 29.6 44.4
54 42.7 33.6 50.4

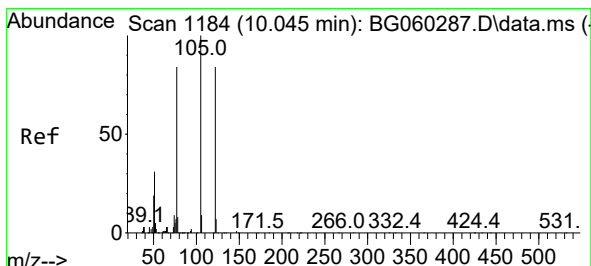
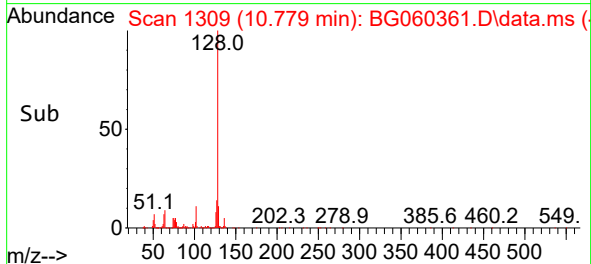
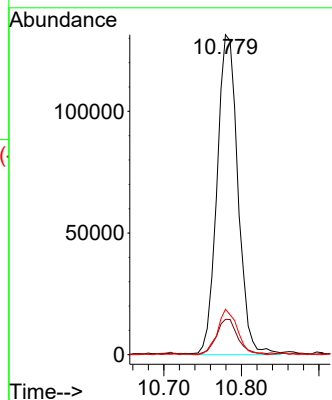
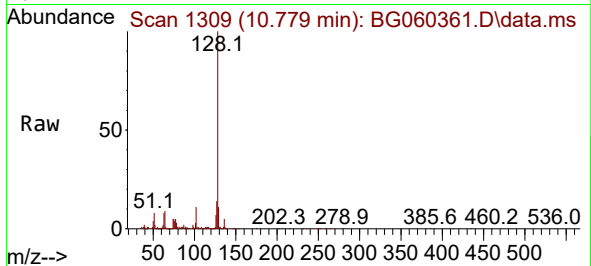




#31
Naphthalene
Concen: 3.995 ng
RT: 10.779 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

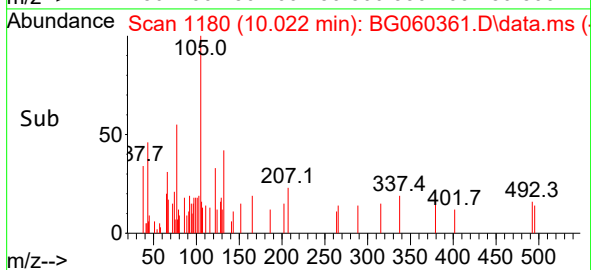
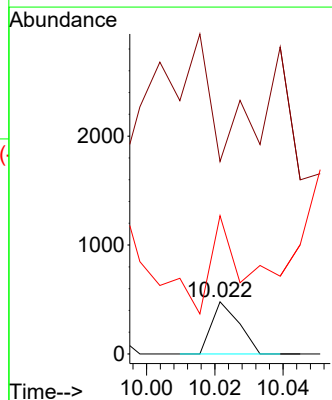
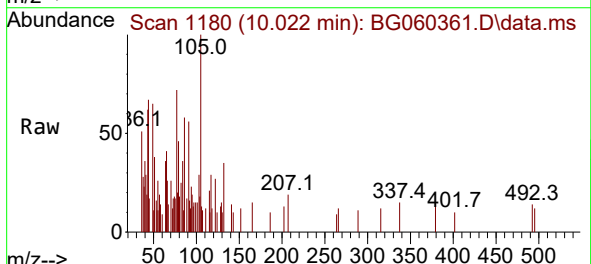
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

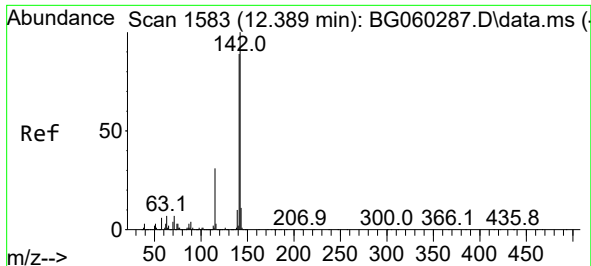
Tgt Ion:128 Resp: 247556
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 14.2 10.9 16.3



#32
Benzoic acid
Concen: 10.220 ng
RT: 10.022 min Scan# 1180
Delta R.T. -0.024 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:122 Resp: 267
Ion Ratio Lower Upper
122 100
105 369.1 96.0 136.0#
77 265.1 80.1 120.1#





#37

2-Methylnaphthalene

Concen: 2.793 ng

RT: 12.389 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

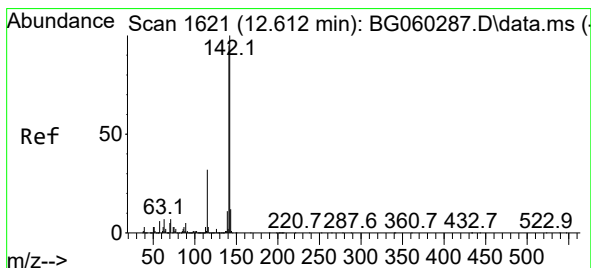
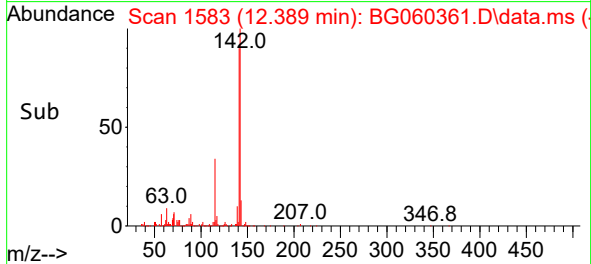
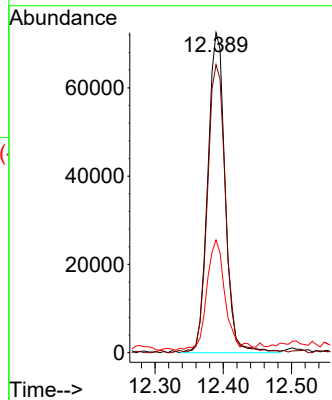
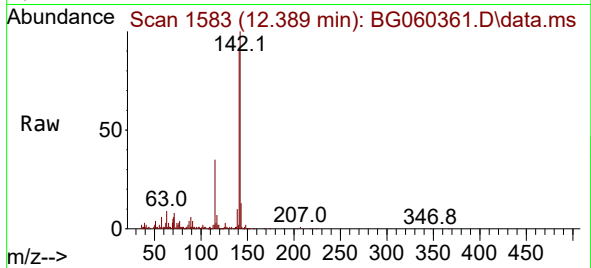
Tgt Ion:142 Resp: 128339

Ion Ratio Lower Upper

142 100

141 90.0 71.0 106.4

115 35.2 24.7 37.1



#38

1-Methylnaphthalene

Concen: 2.766 ng

RT: 12.607 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

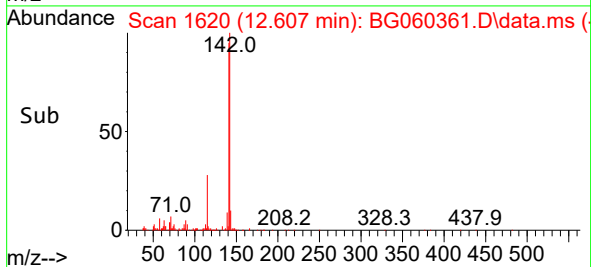
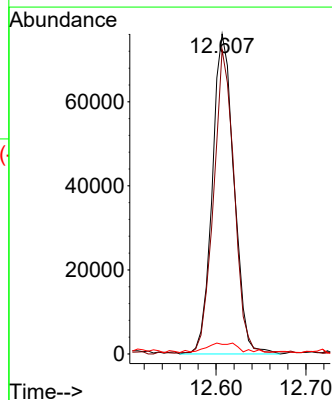
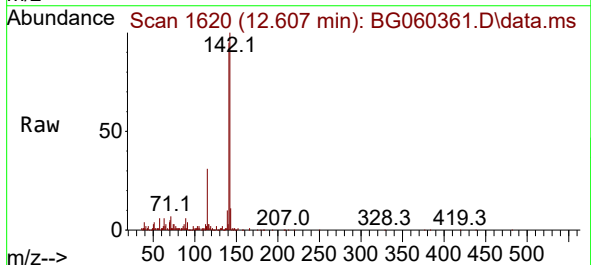
Tgt Ion:142 Resp: 127637

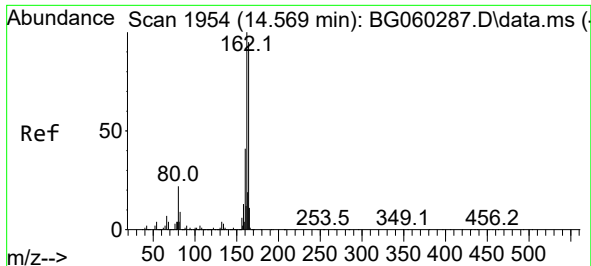
Ion Ratio Lower Upper

142 100

141 95.1 76.2 114.2

116 3.0 2.6 3.8

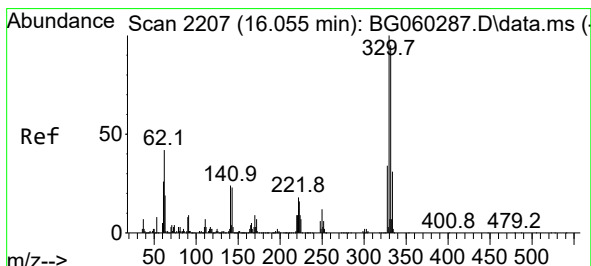
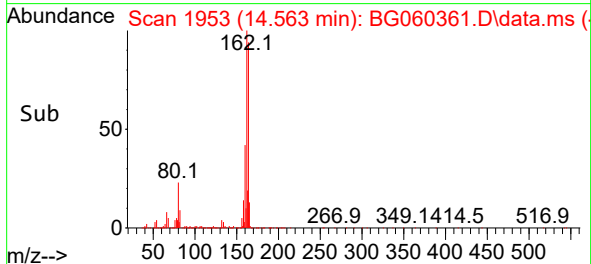
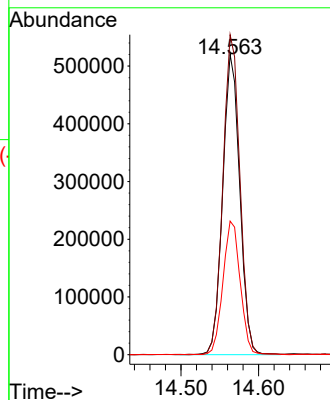
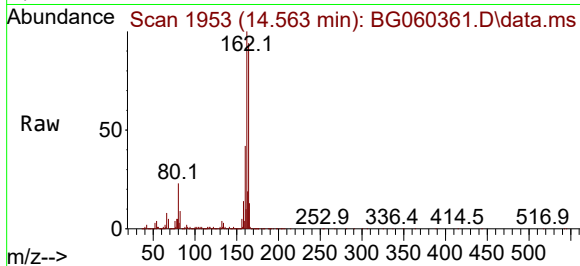




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

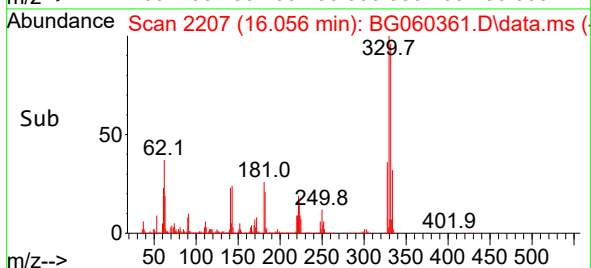
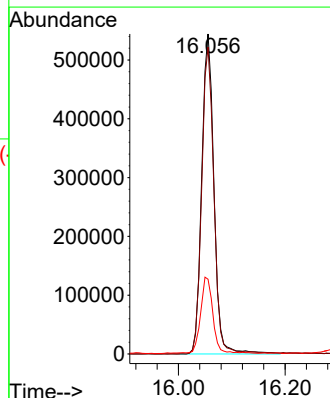
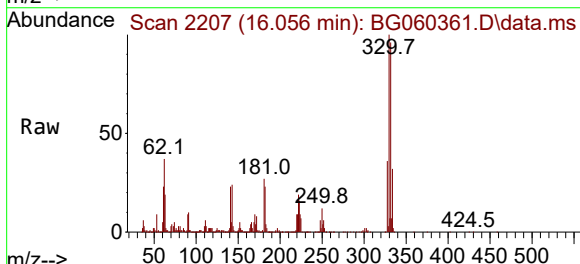
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

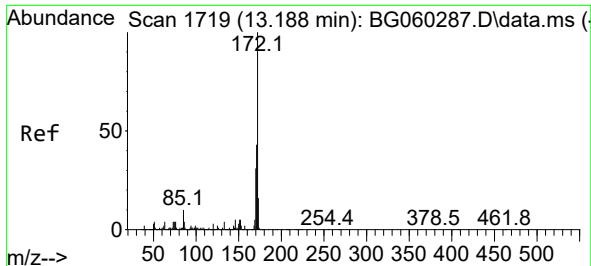
Tgt Ion:164 Resp: 795957
Ion Ratio Lower Upper
164 100
162 106.5 84.4 126.6
160 44.5 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 74.013 ng
RT: 16.056 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:330 Resp: 866755
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 24.5 18.6 28.0

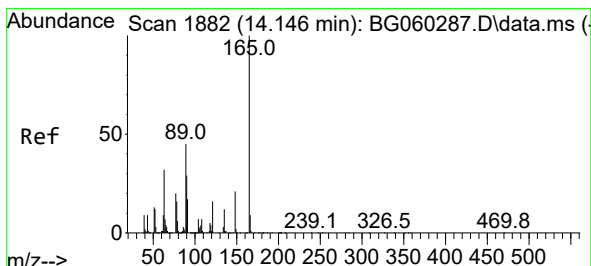
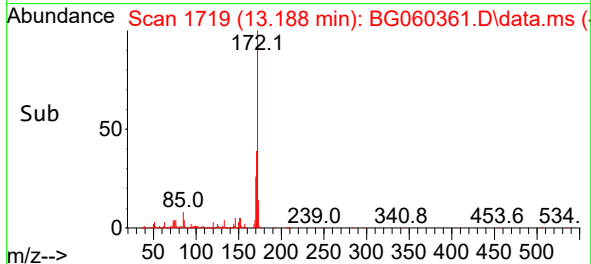
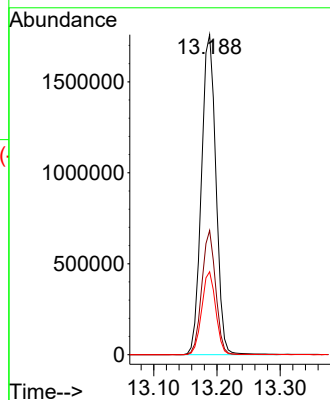
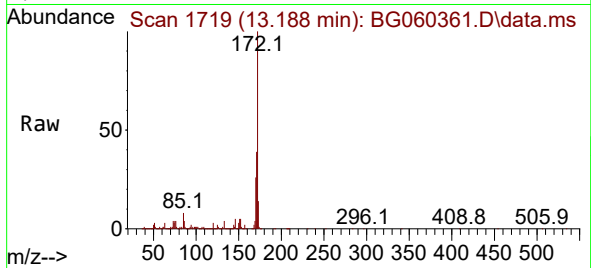




#45
2-Fluorobiphenyl
Concen: 49.020 ng
RT: 13.188 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

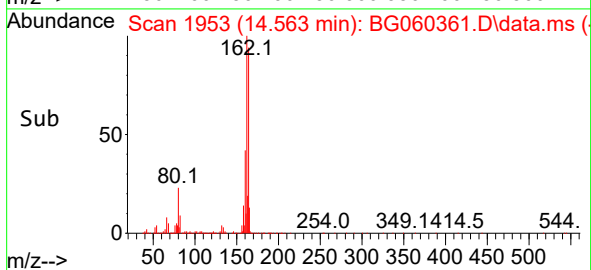
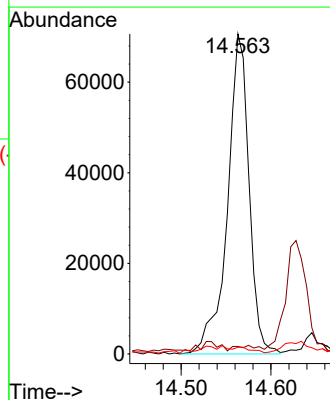
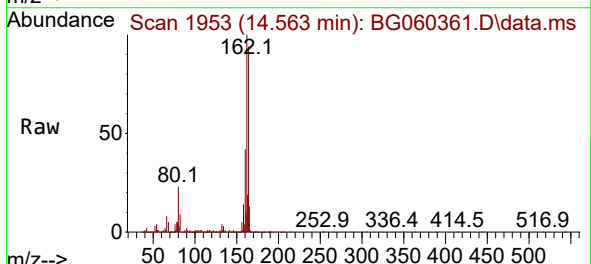
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

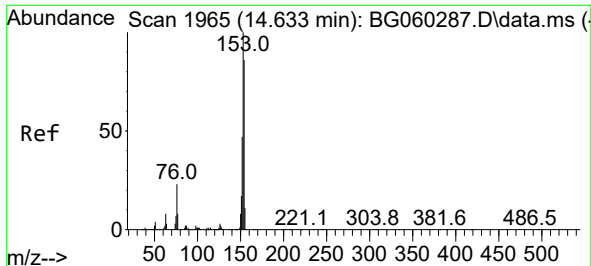
Tgt Ion:172 Resp: 2806383
Ion Ratio Lower Upper
172 100
171 38.8 34.6 51.8
170 25.9 24.4 36.6



#51
2,6-Dinitrotoluene
Concen: 9.074 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.417 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:165 Resp: 117773
Ion Ratio Lower Upper
165 100
63 2.4 35.0 52.4#
89 2.1 36.2 54.2#

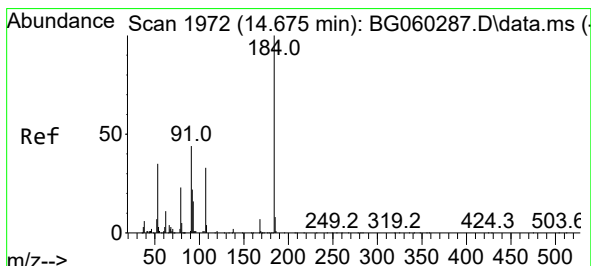
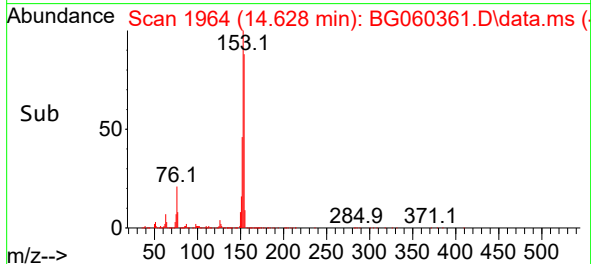
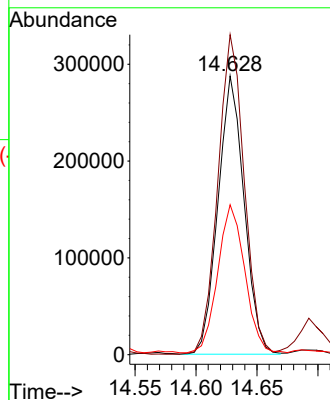
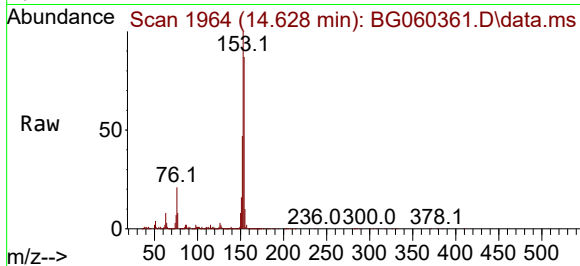




#52
Acenaphthene
Concen: 9.692 ng
RT: 14.628 min Scan# 1964
Delta R.T. -0.005 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

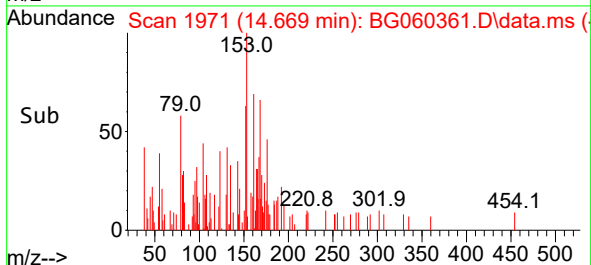
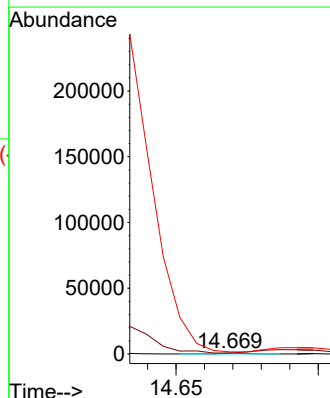
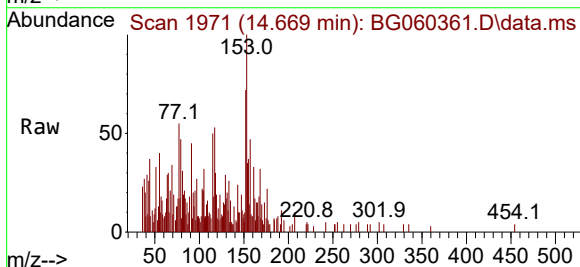
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

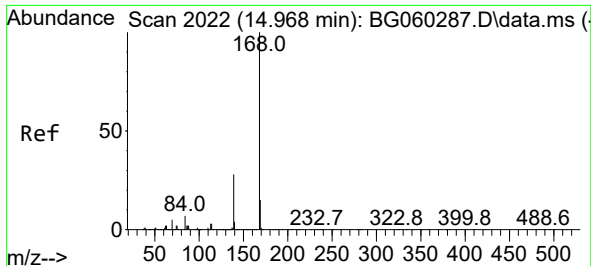
Tgt Ion:154 Resp: 427757
Ion Ratio Lower Upper
154 100
153 114.8 92.6 138.8
152 53.8 43.8 65.8



#54
2,4-Dinitrophenol
Concen: 8.625 ng
RT: 14.669 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:184 Resp: 342
Ion Ratio Lower Upper
184 100
63 122.9 41.0 61.4#
154 257.8 39.2 58.8#

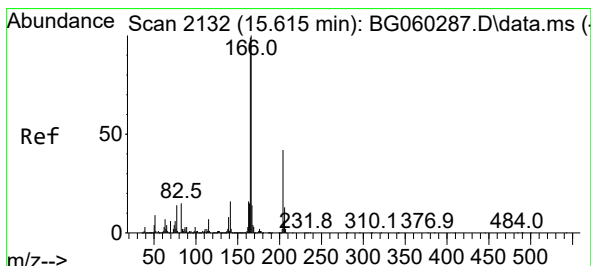
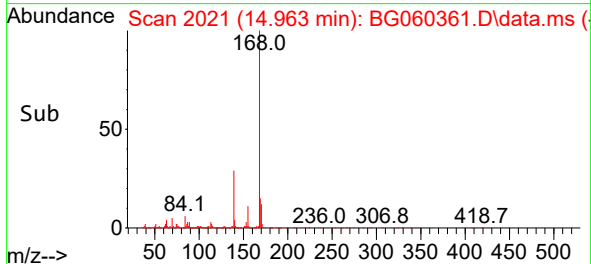
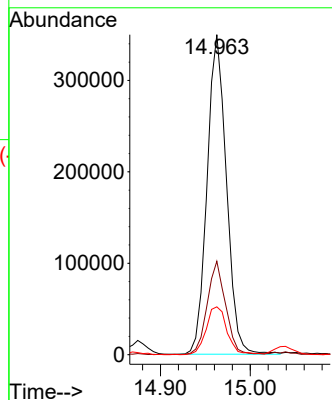
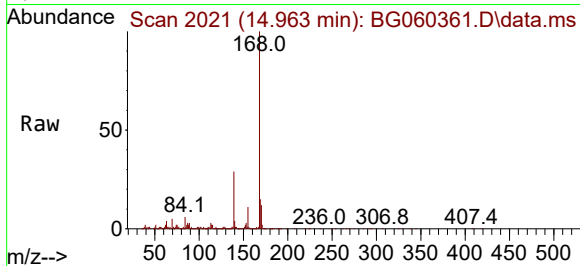




#55
Dibenzenofuran
Concen: 7.096 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.005 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

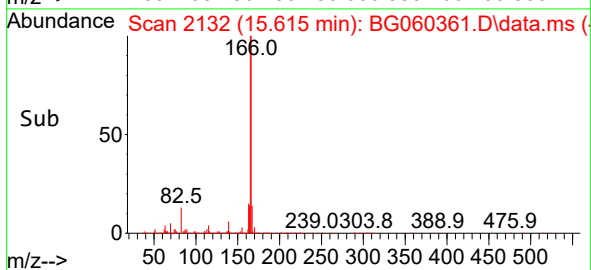
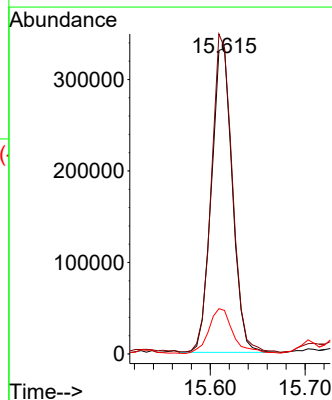
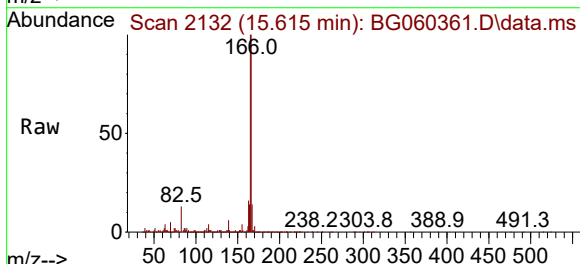
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

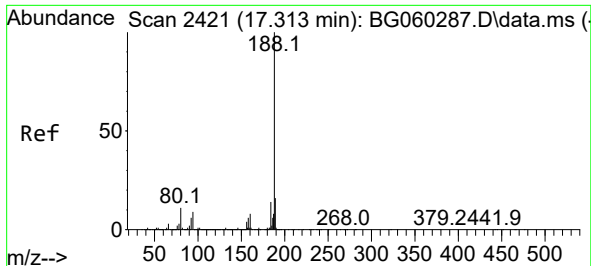
Tgt Ion:168 Resp: 522817
Ion Ratio Lower Upper
168 100
139 29.2 22.6 34.0
169 15.0 12.1 18.1



#58
Fluorene
Concen: 8.402 ng
RT: 15.615 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:166 Resp: 512607
Ion Ratio Lower Upper
166 100
165 100.2 79.0 118.6
167 14.2 11.4 17.0

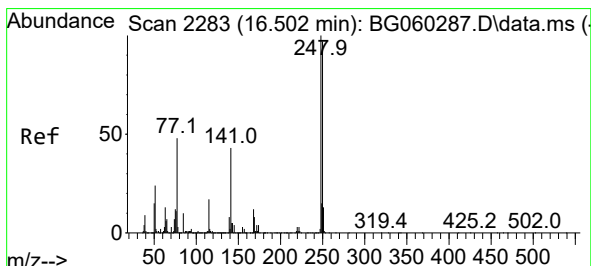
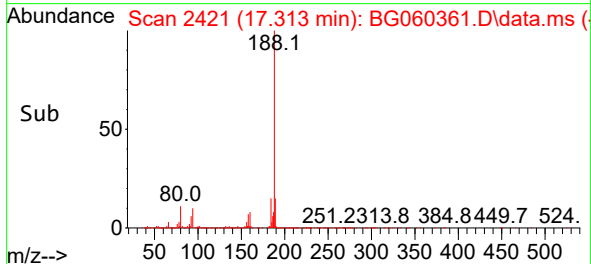
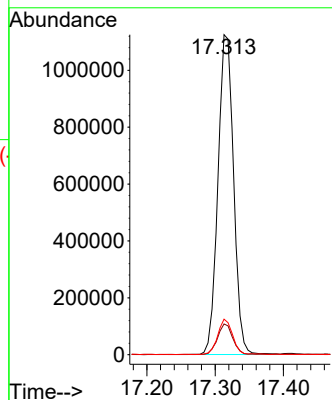
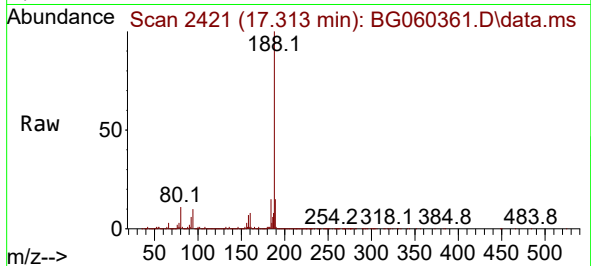




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

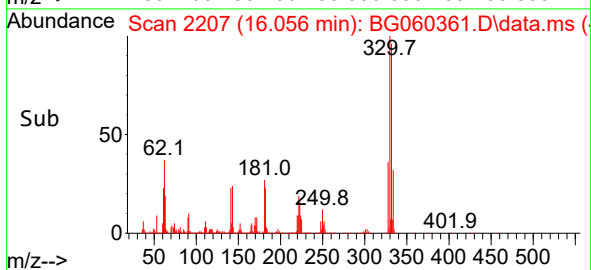
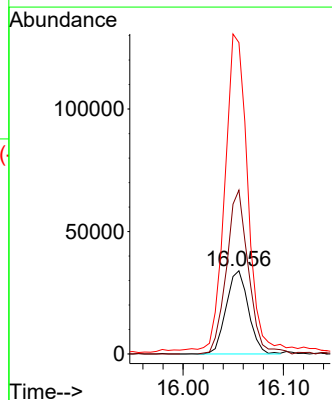
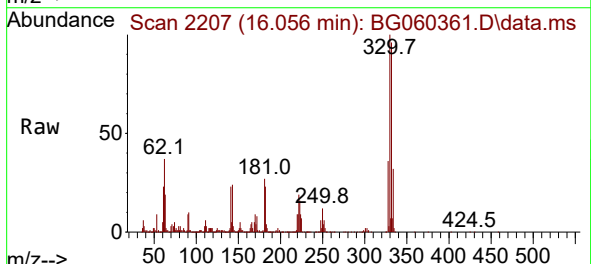
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

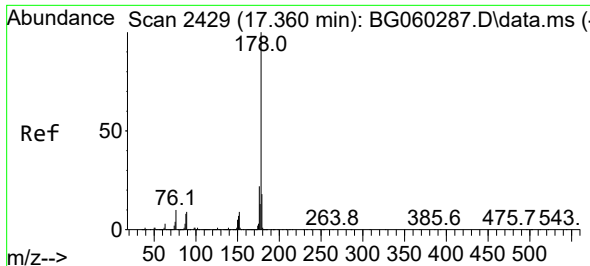
Tgt Ion:188 Resp: 1798738
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 11.1 8.5 12.7



#67
4-Bromophenyl-phenylether
Concen: 2.648 ng
RT: 16.056 min Scan# 2207
Delta R.T. -0.446 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:248 Resp: 52337
Ion Ratio Lower Upper
248 100
250 196.8 77.6 116.4#
141 374.0 34.2 51.4#

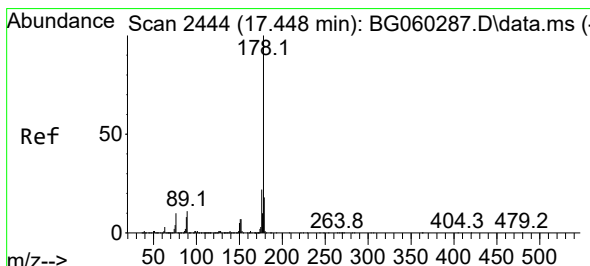
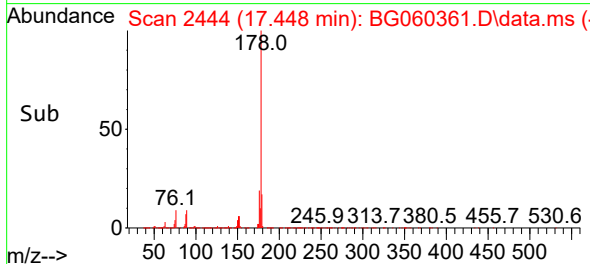
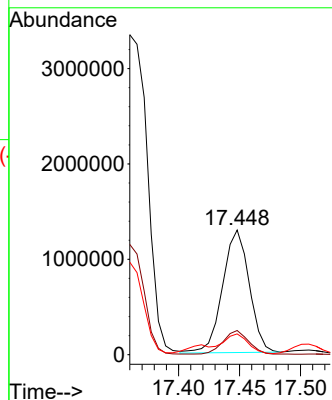
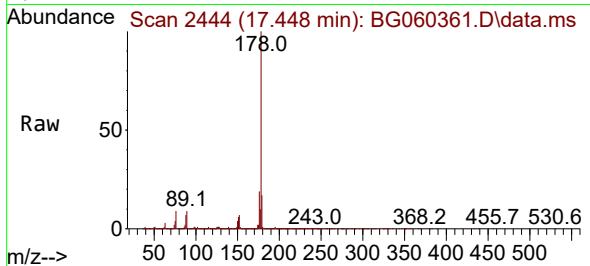




#71
Phenanthrene
Concen: 22.566 ng
RT: 17.448 min Scan# 2444
Delta R.T. 0.088 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

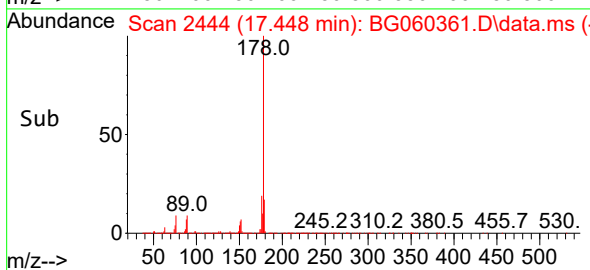
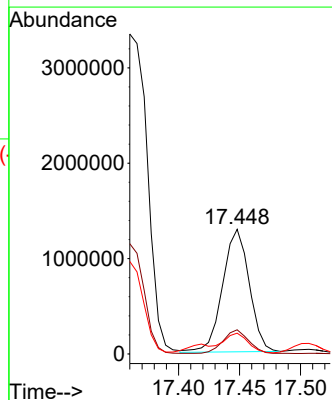
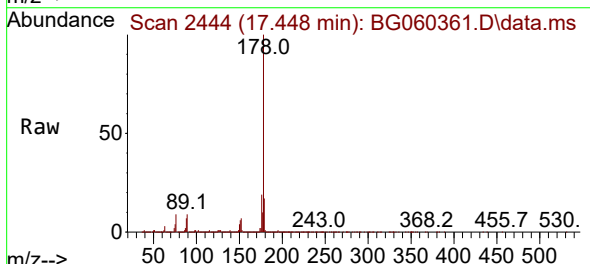
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

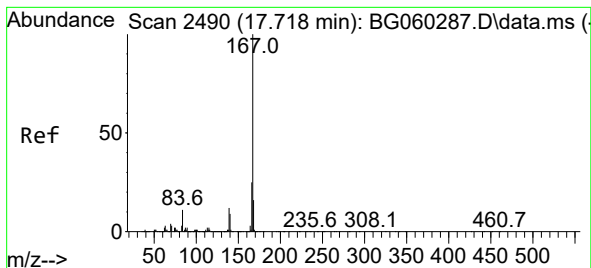
Tgt Ion:178 Resp: 1961938
Ion Ratio Lower Upper
178 100
176 19.3 17.4 26.2
179 16.8 14.7 22.1



#72
Anthracene
Concen: 22.602 ng
RT: 17.448 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:178 Resp: 1961938
Ion Ratio Lower Upper
178 100
176 19.3 17.8 26.6
179 16.8 14.1 21.1





#73

Carbazole

Concen: 10.581 ng

RT: 17.718 min Scan# 2490

Delta R.T. 0.000 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

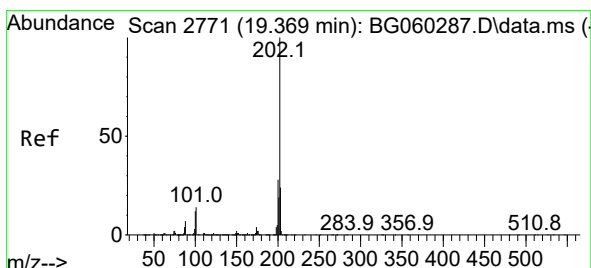
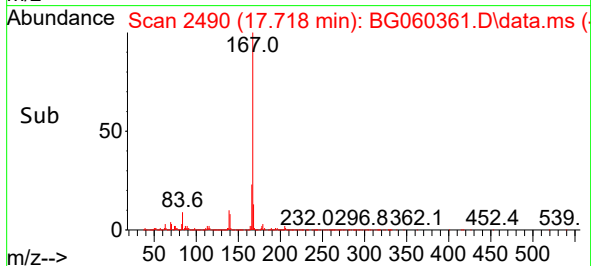
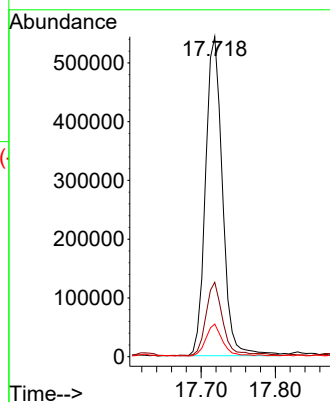
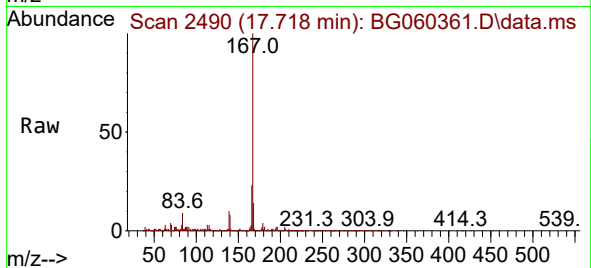
Tgt Ion:167 Resp: 865860

Ion Ratio Lower Upper

167 100

166 23.3 19.8 29.8

139 10.2 9.3 13.9



#75

Fluoranthene

Concen: 69.148 ng

RT: 19.375 min Scan# 2772

Delta R.T. 0.006 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

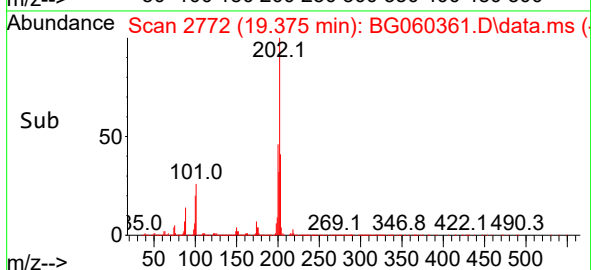
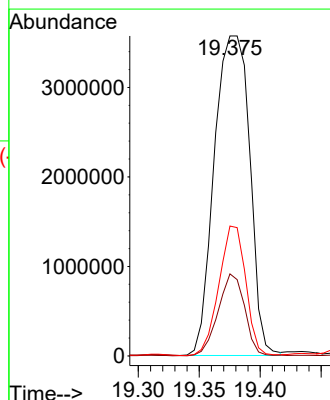
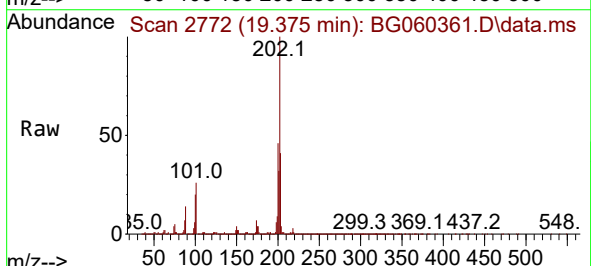
Tgt Ion:202 Resp: 7220917

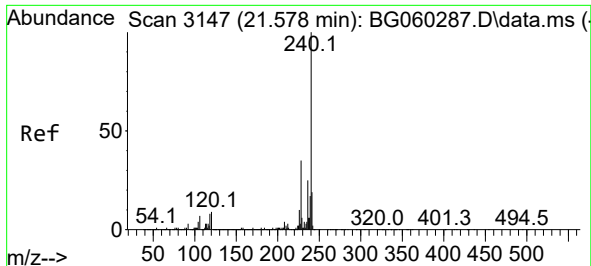
Ion Ratio Lower Upper

202 100

101 25.6 0.0 34.4

203 40.6 4.0 44.0

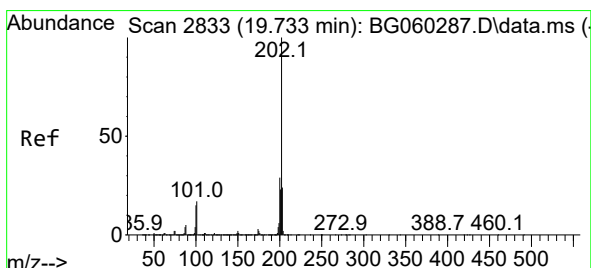
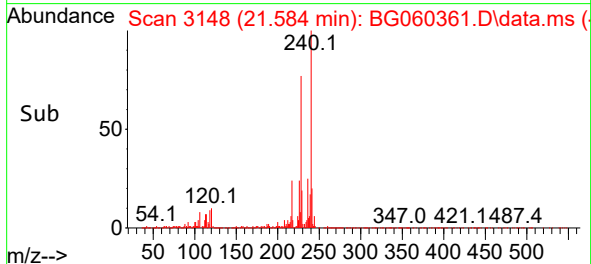
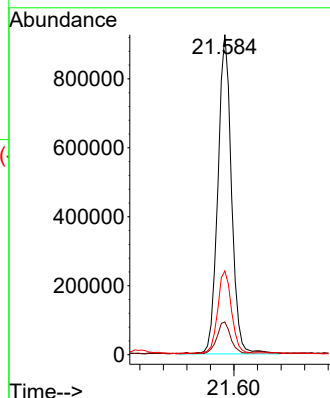
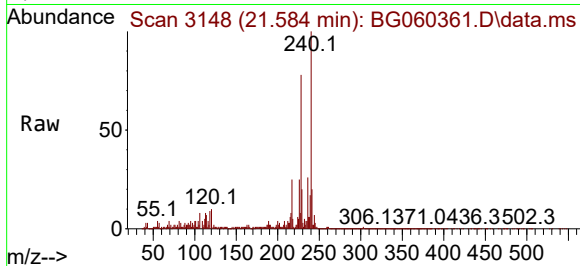




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.584 min Scan# 3147
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

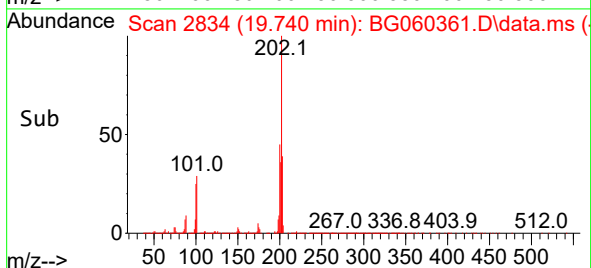
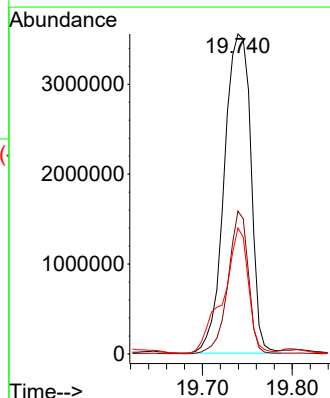
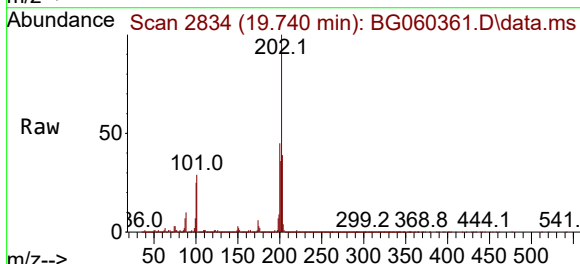
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

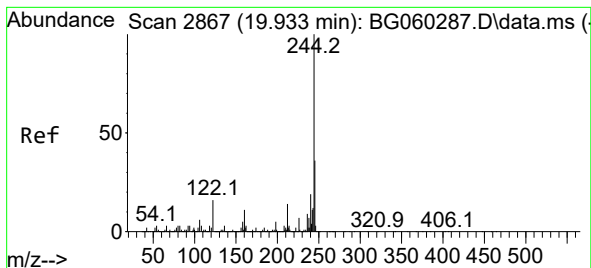
Tgt Ion:240 Resp: 1480555
Ion Ratio Lower Upper
240 100
120 10.2 7.3 10.9
236 26.2 20.3 30.5



#78
Pyrene
Concen: 77.038 ng
RT: 19.740 min Scan# 2834
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:202 Resp: 7283797
Ion Ratio Lower Upper
202 100
200 44.7 23.5 35.3#
203 39.3 19.6 29.4#





#79

Terphenyl-d14

Concen: 52.389 ng

RT: 19.933 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

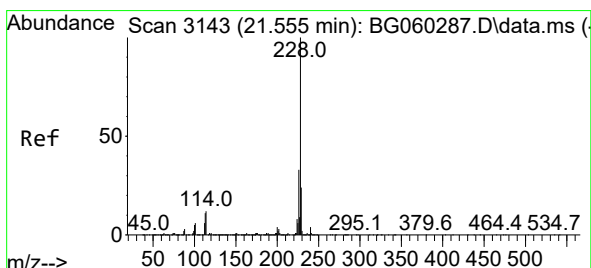
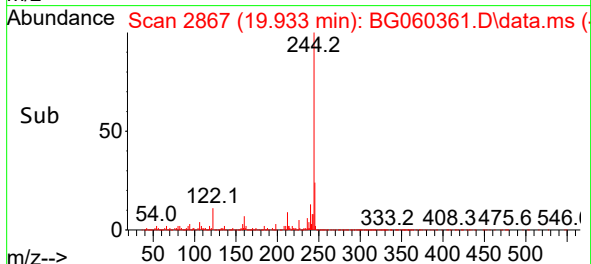
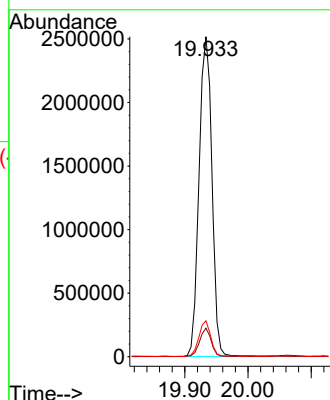
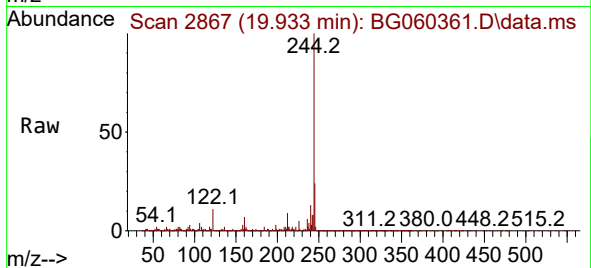
Tgt Ion:244 Resp: 3563690

Ion Ratio Lower Upper

244 100

212 8.9 10.9 16.3#

122 11.2 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 52.518 ng

RT: 21.567 min Scan# 3145

Delta R.T. 0.012 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

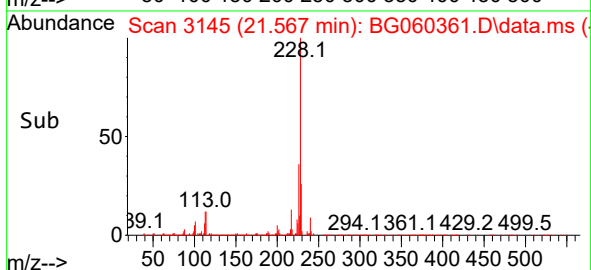
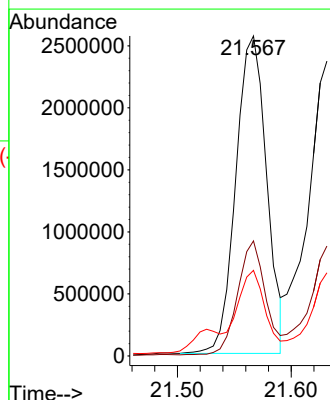
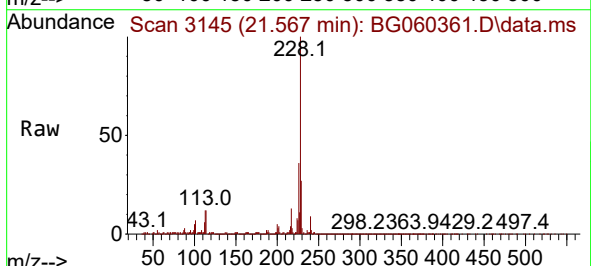
Tgt Ion:228 Resp: 4813676

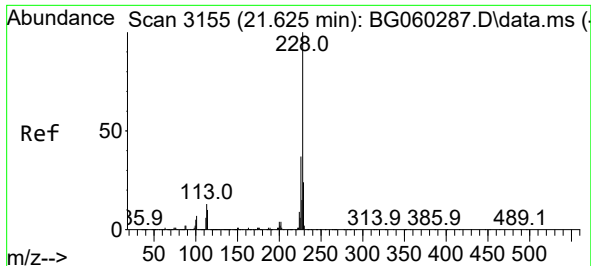
Ion Ratio Lower Upper

228 100

226 35.9 26.2 39.2

229 26.7 19.4 29.2





#83

Chrysene

Concen: 50.473 ng

RT: 21.631 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

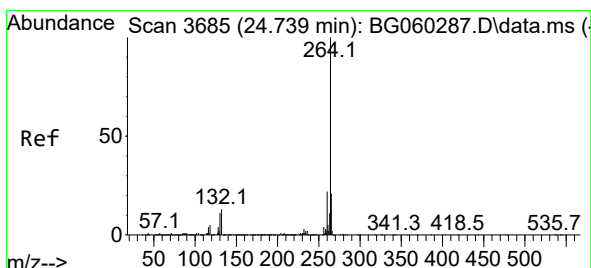
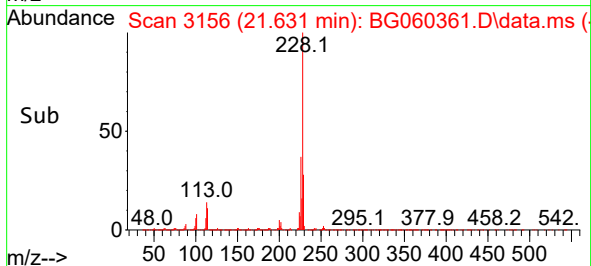
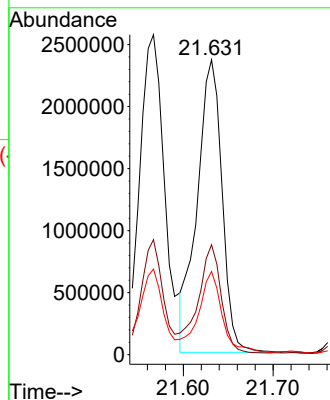
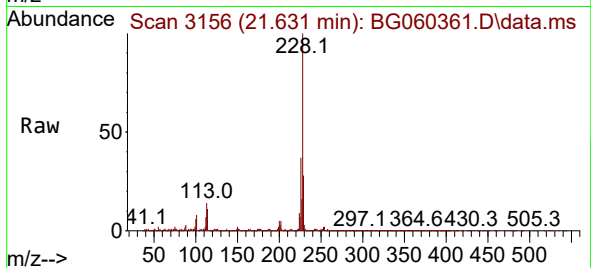
Tgt Ion:228 Resp: 4549882

Ion Ratio Lower Upper

228 100

226 37.3 29.4 44.2

229 28.2 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.757 min Scan# 3688

Delta R.T. 0.018 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

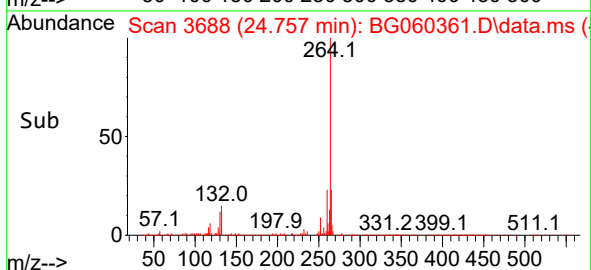
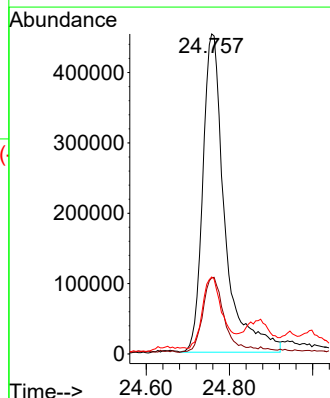
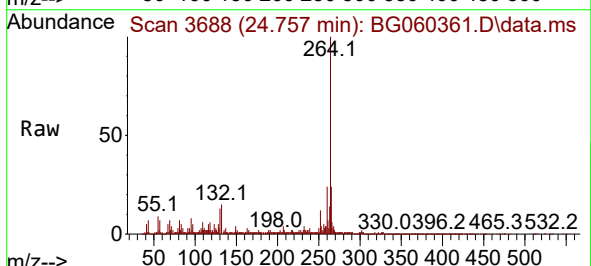
Tgt Ion:264 Resp: 1665498

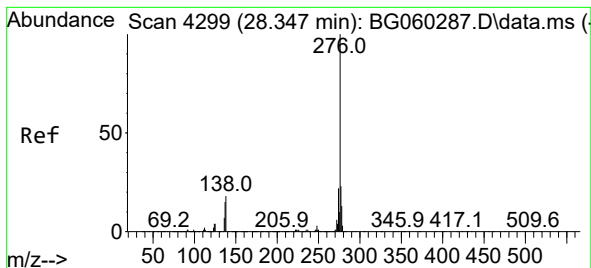
Ion Ratio Lower Upper

264 100

260 23.8 17.8 26.6

265 24.0 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.435 ng

RT: 28.371 min Scan# 41

Delta R.T. 0.024 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

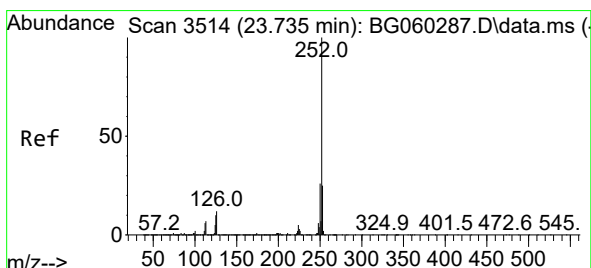
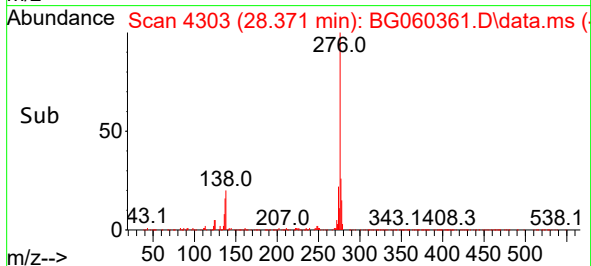
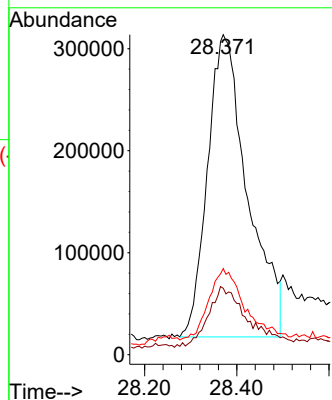
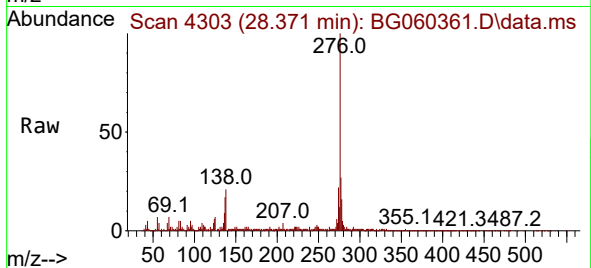
Tgt Ion:276 Resp: 1787409

Ion Ratio Lower Upper

276 100

138 20.3 12.5 18.7#

277 21.9 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 56.931 ng

RT: 23.758 min Scan# 3518

Delta R.T. 0.024 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

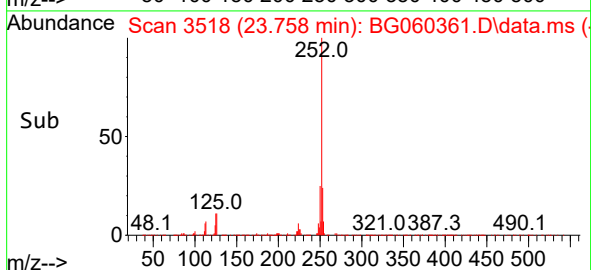
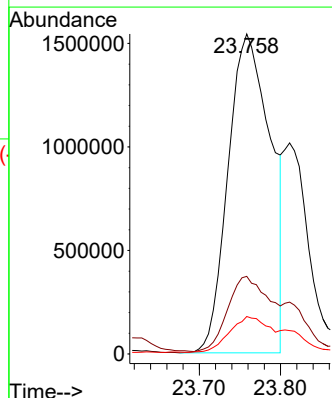
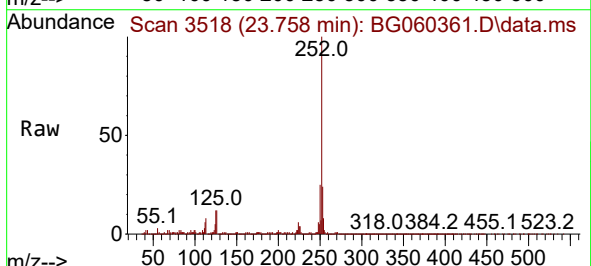
Tgt Ion:252 Resp: 5601448

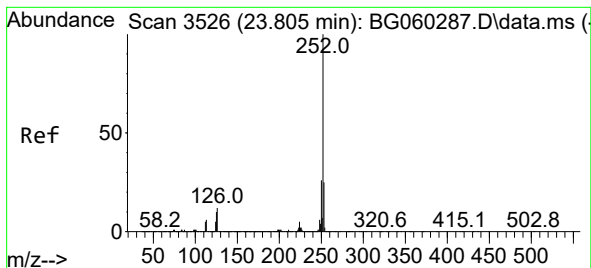
Ion Ratio Lower Upper

252 100

253 24.3 20.0 30.0

125 11.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 57.692 ng

RT: 23.758 min Scan# 3

Delta R.T. -0.047 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

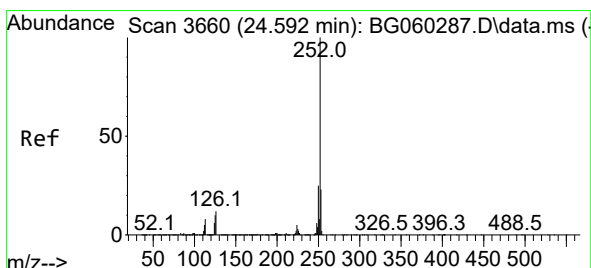
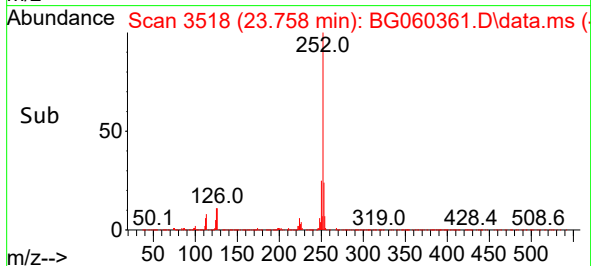
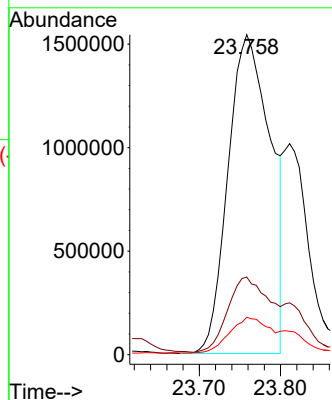
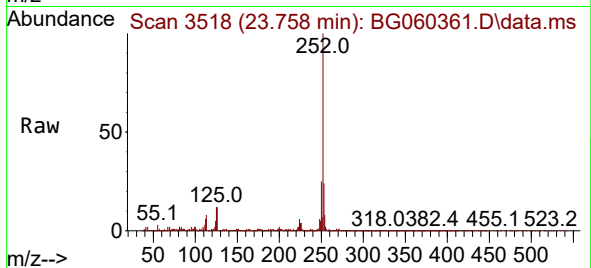
Tgt Ion:252 Resp: 5601448

Ion Ratio Lower Upper

252 100

253 24.3 19.6 29.4

125 11.7 8.2 12.2



#90

Benzo(a)pyrene

Concen: 50.898 ng

RT: 24.610 min Scan# 3663

Delta R.T. 0.018 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

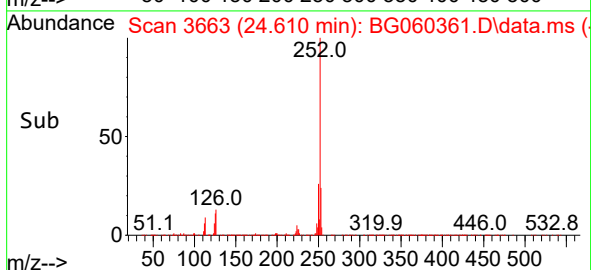
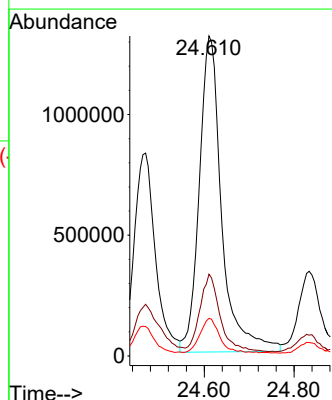
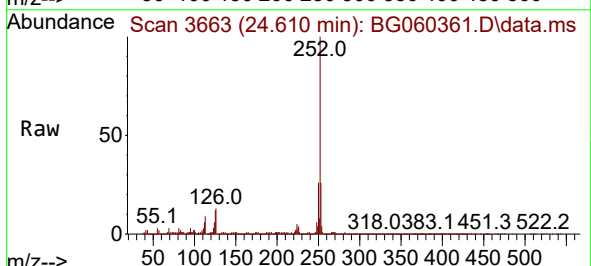
Tgt Ion:252 Resp: 4523902

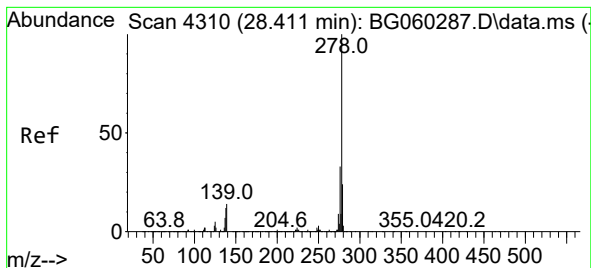
Ion Ratio Lower Upper

252 100

253 25.5 18.1 27.1

125 11.8 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 4.273 ng

RT: 28.400 min Scan# 41

Delta R.T. -0.011 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

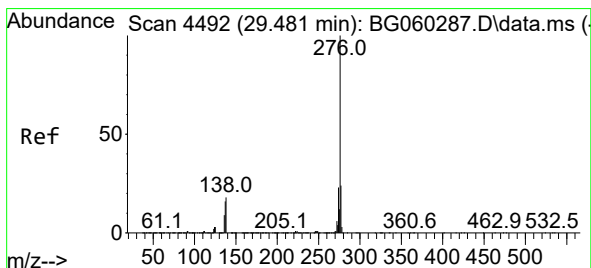
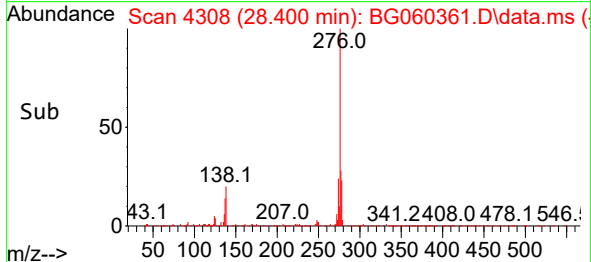
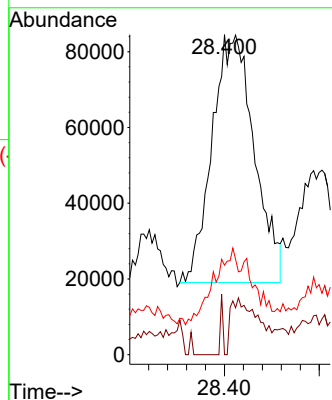
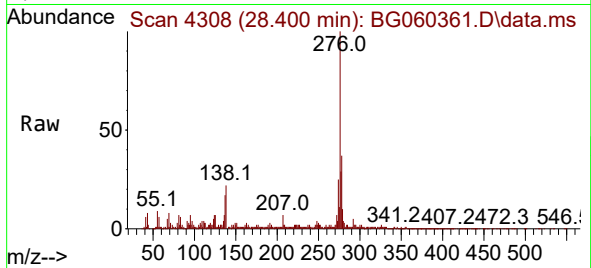
Tgt Ion:278 Resp: 404096

Ion Ratio Lower Upper

278 100

139 0.0 10.9 16.3#

279 27.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 18.653 ng

RT: 29.505 min Scan# 4496

Delta R.T. 0.024 min

Lab File: BG060361.D

Acq: 18 Jan 2024 20:53

Tgt Ion:276 Resp: 1808006

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.0

138 20.6 14.2 21.4

