

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
 Data File : BG060359.D
 Acq On : 18 Jan 2024 19:32
 Operator : MA/JU
 Sample : P1169-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-B-COMP

Quant Time: Jan 19 00:25:23 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)

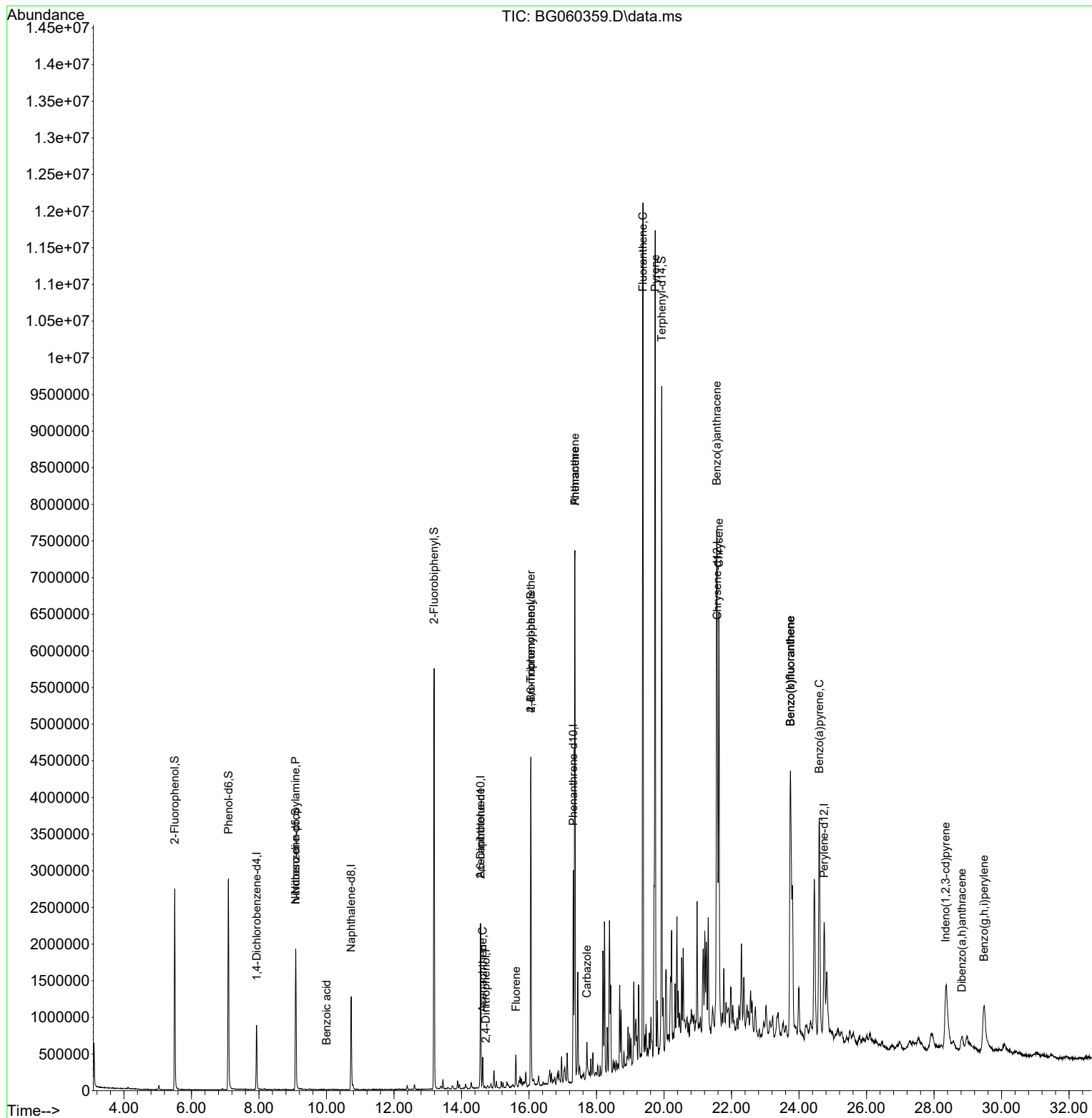
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	283481	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	1137604	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	818190	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1915827	20.000	ng	0.00
76) Chrysene-d12	21.578	240	1632658	20.000	ng	0.00
86) Perylene-d12	24.745	264	1891980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	1336504	77.545	ng	0.00
7) Phenol-d6	7.095	99	2038486	79.874	ng	0.00
23) Nitrobenzene-d5	9.086	82	1374769	57.064	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	1007890	83.726	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	3233037	54.938	ng	0.00
79) Terphenyl-d14	19.933	244	4339857	59.959	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.086	70	160885	9.108	ng	# 84
32) Benzoic acid	10.003	122	153	10.212	ng	# 38
51) 2,6-Dinitrotoluene	14.562	165	114754	8.601	ng	# 34
52) Acenaphthene	14.627	154	153590	3.385	ng	97
54) 2,4-Dinitrophenol	14.715	184	88	8.596	ng	# 1
58) Fluorene	15.614	166	204653	3.263	ng	97
67) 4-Bromophenyl-phenylether	16.055	248	58459	2.777	ng	# 1
71) Phenanthrene	17.359	178	4698969	50.743	ng	95
72) Anthracene	17.359	178	4698969	50.825	ng	94
73) Carbazole	17.718	167	346545	3.976	ng	95
75) Fluoranthene	19.374	202	6306282	56.699	ng	79
78) Pyrene	19.739	202	6524454	62.578	ng	# 82
81) Benzo(a)anthracene	21.560	228	4251006	42.058	ng	100
83) Chrysene	21.625	228	3921621	39.450	ng	97
87) Indeno(1,2,3-cd)pyrene	28.346	276	1992649	15.147	ng	# 92
88) Benzo(b)fluoranthene	23.746	252	4732757	42.344	ng	98
89) Benzo(k)fluoranthene	23.746	252	4732757	42.910	ng	99
90) Benzo(a)pyrene	24.598	252	3739790	37.039	ng	98
91) Dibenzo(a,h)anthracene	28.822	278	351048	3.268	ng	96
92) Benzo(g,h,i)perylene	29.480	276	1901997	17.274	ng	97

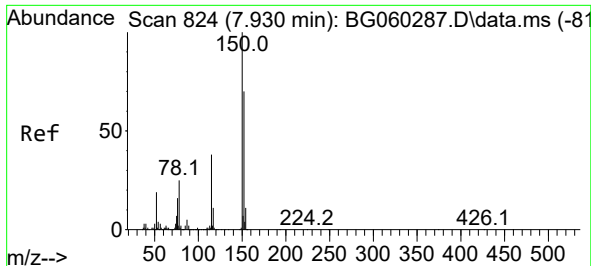
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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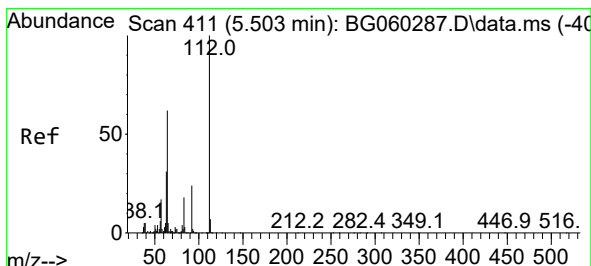
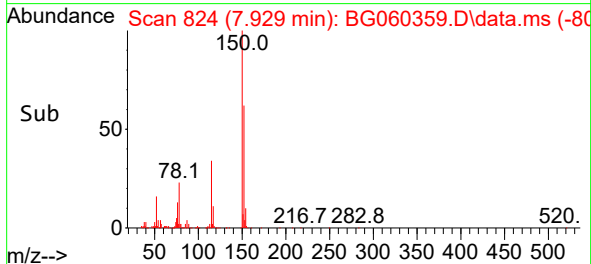
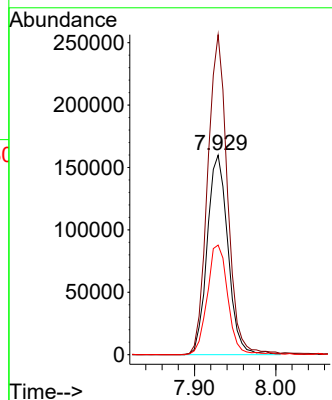
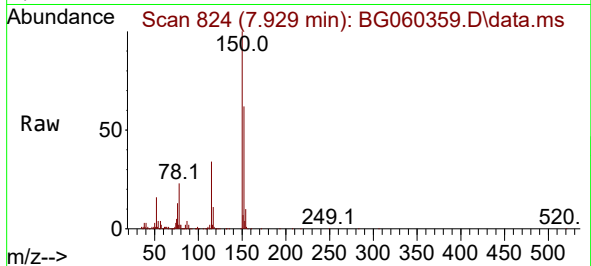




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

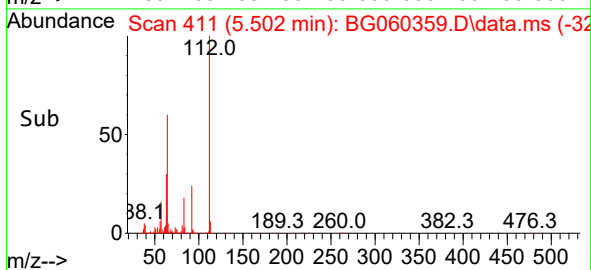
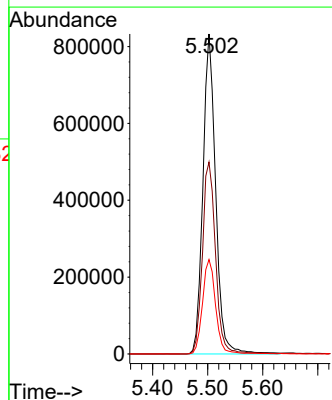
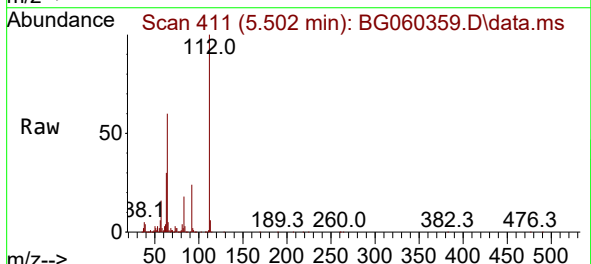
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

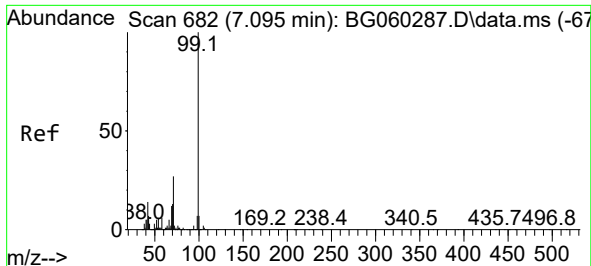
Tgt Ion:152 Resp: 283481
Ion Ratio Lower Upper
152 100
150 160.4 114.5 171.7
115 54.9 43.0 64.6



#5
2-Fluorophenol
Concen: 77.545 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:112 Resp: 1336504
Ion Ratio Lower Upper
112 100
64 59.9 49.8 74.6
63 29.5 24.4 36.6

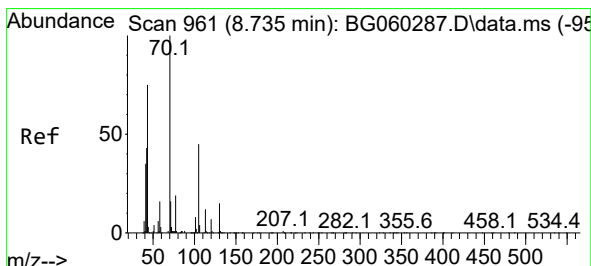
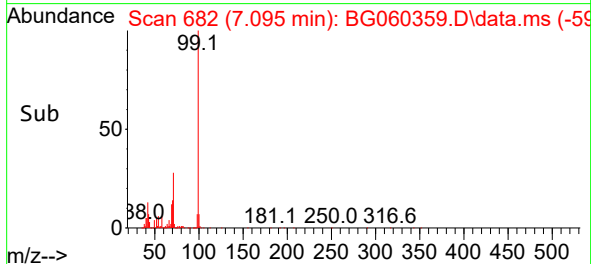
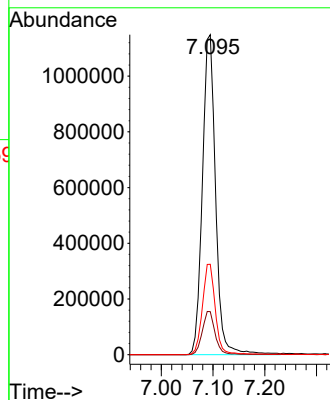
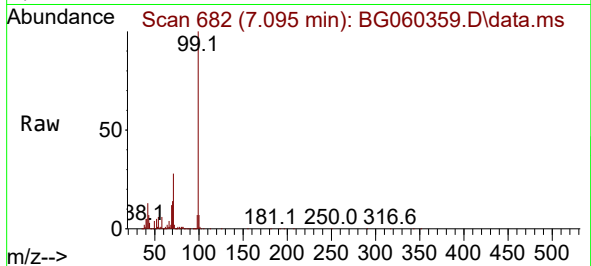




#7
Phenol-d6
Concen: 79.874 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

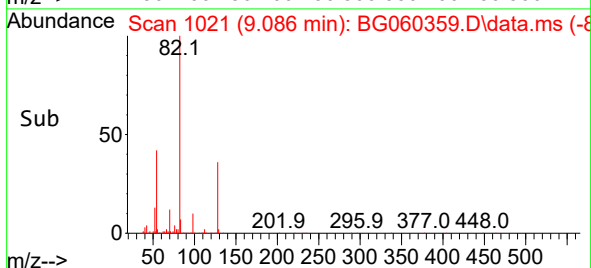
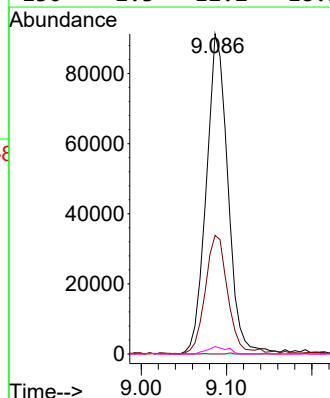
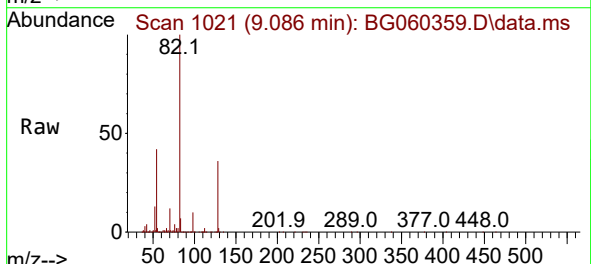
Instrument :
BNA_G
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WC-B-COMP

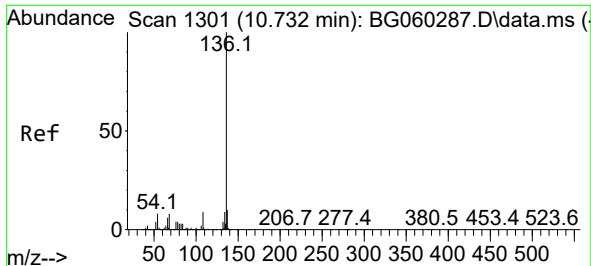
Tgt Ion: 99 Resp: 2038486
Ion Ratio Lower Upper
99 100
42 13.5 10.9 16.3
71 28.3 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.108 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion: 70 Resp: 160885
Ion Ratio Lower Upper
70 100
42 37.0 34.3 51.5
101 0.0 6.2 9.2#
130 2.3 12.2 18.2#

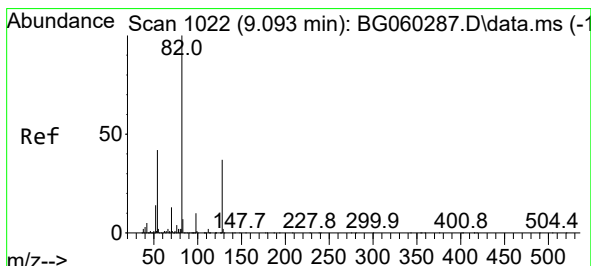
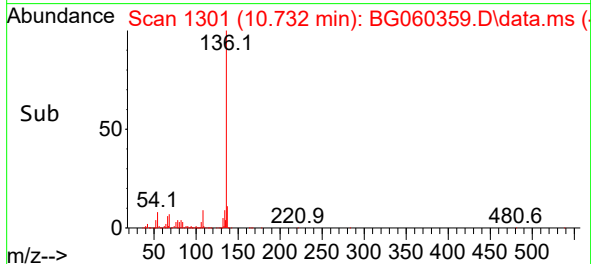
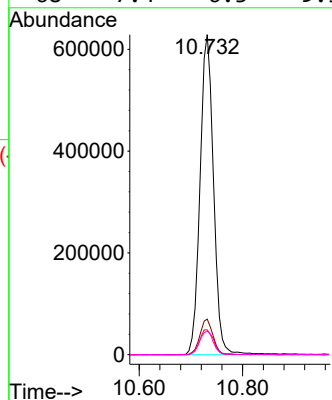
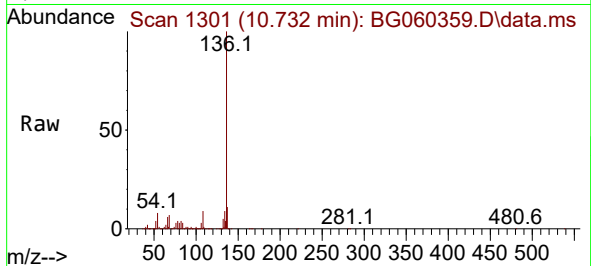




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

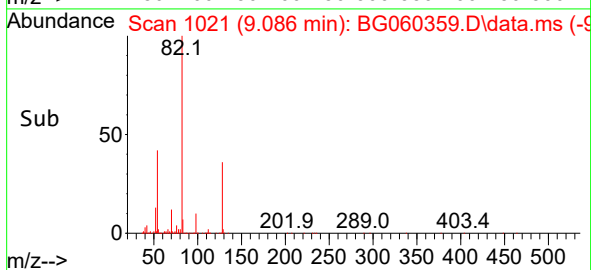
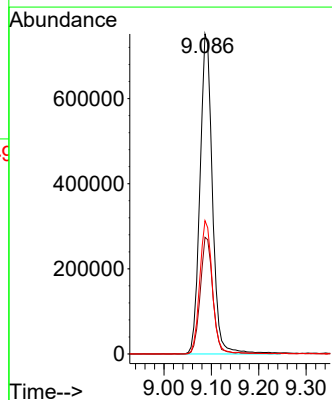
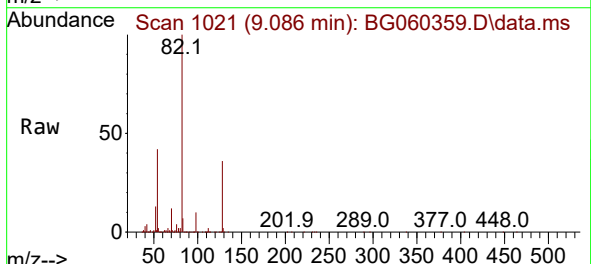
Instrument :
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ClientSampleId :
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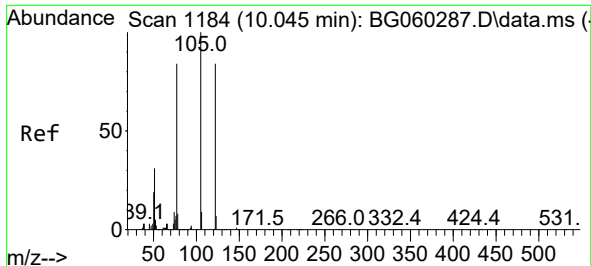
Tgt Ion:136 Resp: 1137604
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 7.8 6.2 9.2
68 7.4 6.3 9.5



#23
Nitrobenzene-d5
Concen: 57.064 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion: 82 Resp: 1374769
Ion Ratio Lower Upper
82 100
128 36.4 29.6 44.4
54 41.7 33.6 50.4

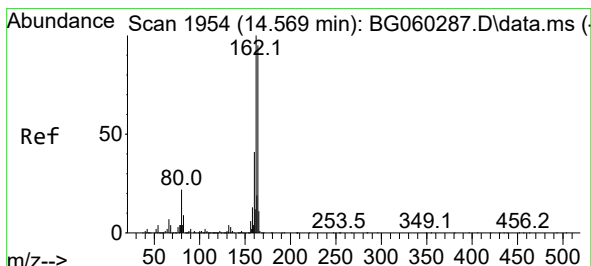
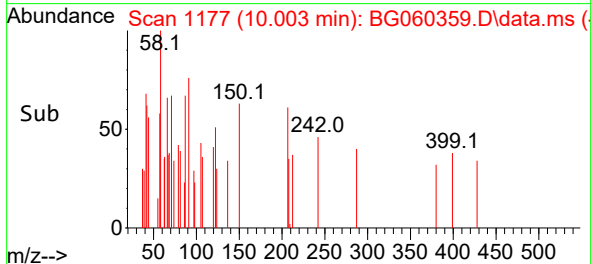
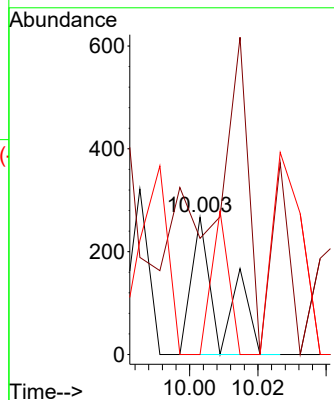
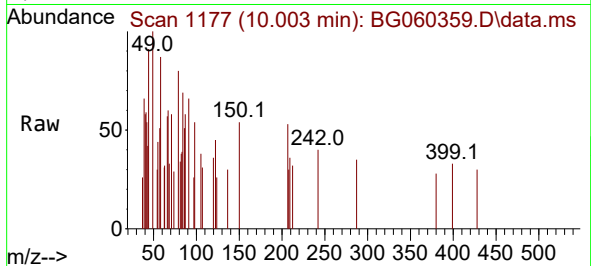




#32
Benzoic acid
Concen: 10.212 ng
RT: 10.003 min Scan# 1184
Delta R.T. -0.042 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

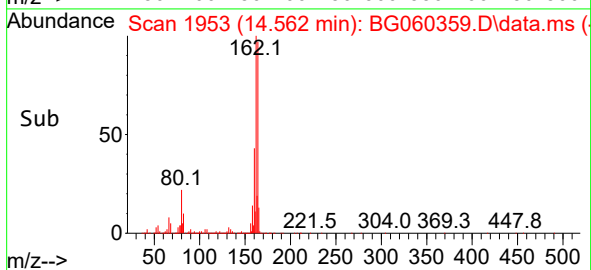
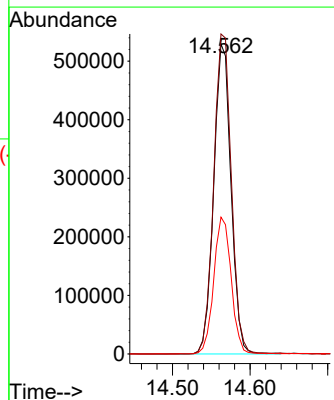
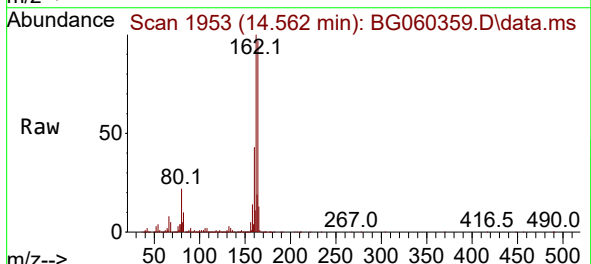
Instrument :
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ClientSampleId :
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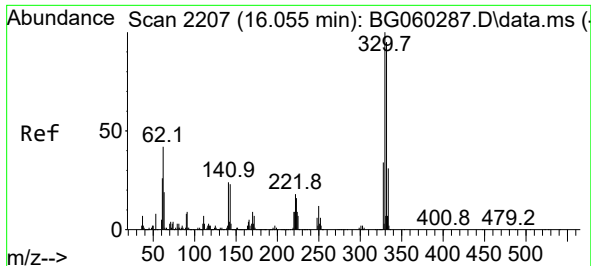
Tgt Ion:122 Resp: 153
Ion Ratio Lower Upper
122 100
105 84.6 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:164 Resp: 818190
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 44.1 34.6 52.0

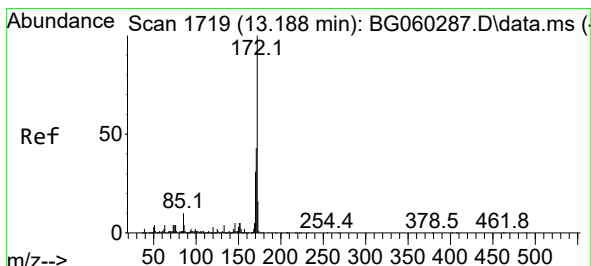
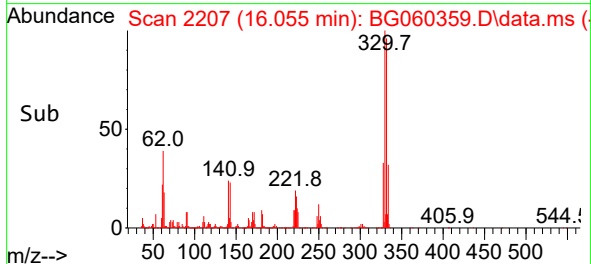
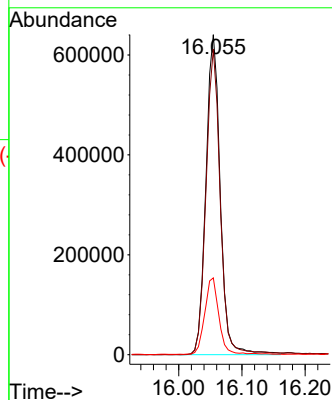
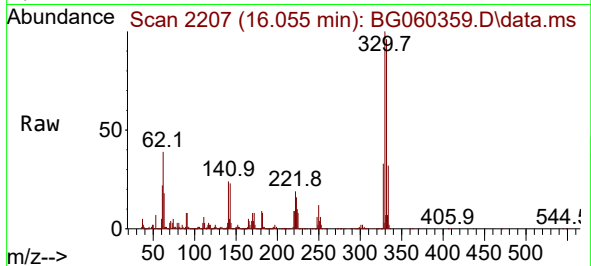




#42
2,4,6-Tribromophenol
Concen: 83.726 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

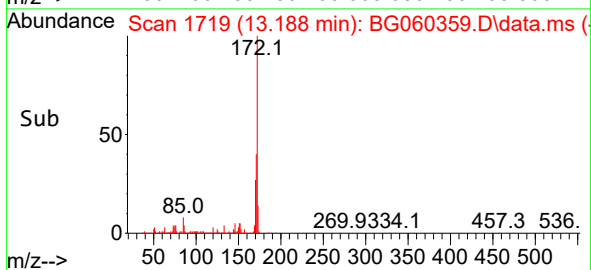
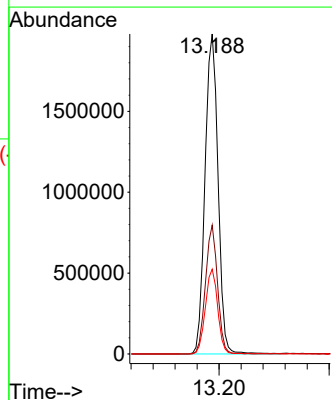
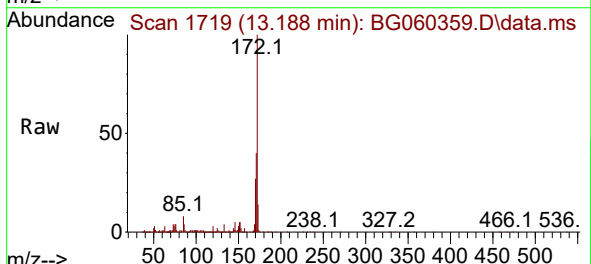
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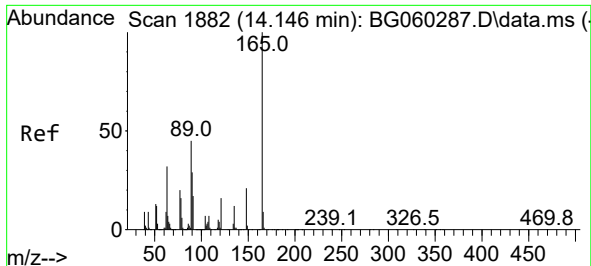
Tgt Ion:330 Resp: 1007890
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 23.4 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 54.938 ng
RT: 13.188 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:172 Resp: 3233037
Ion Ratio Lower Upper
172 100
171 40.3 34.6 51.8
170 26.5 24.4 36.6

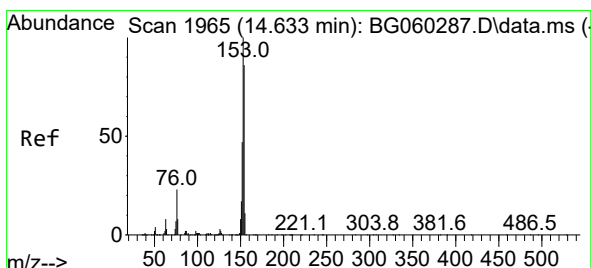
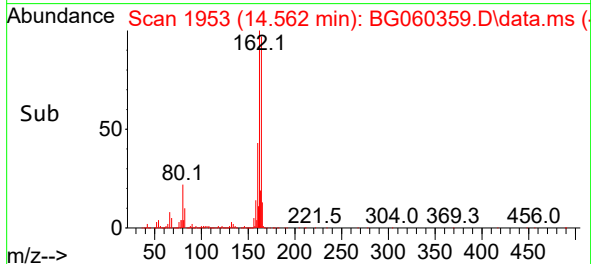
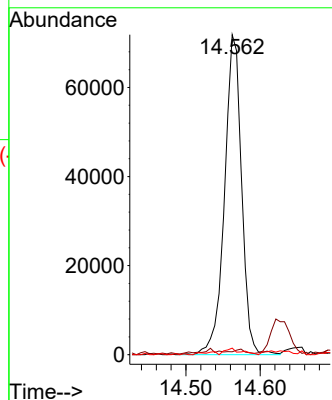
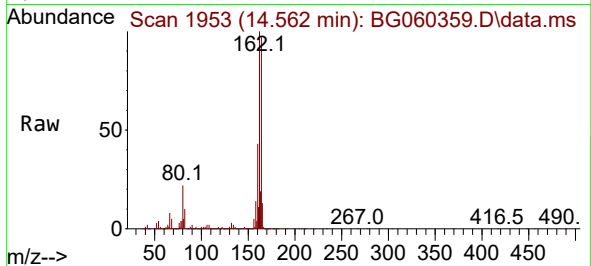




#51
2,6-Dinitrotoluene
Concen: 8.601 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.416 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

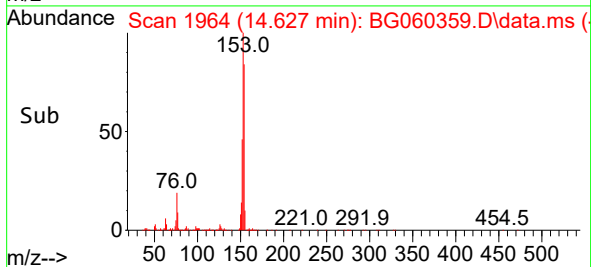
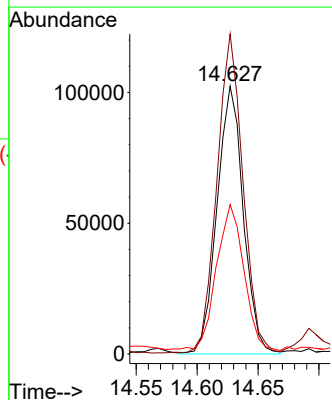
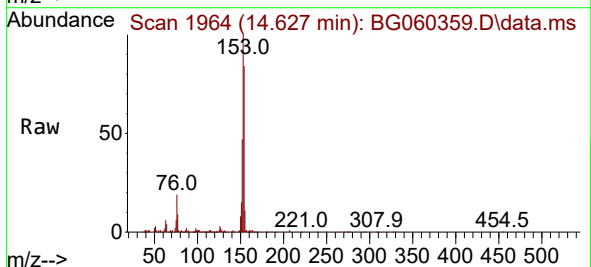
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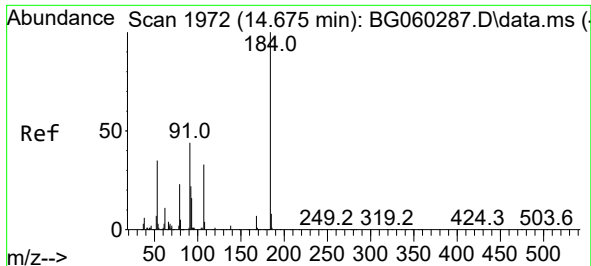
Tgt Ion:165 Resp: 114754
Ion Ratio Lower Upper
165 100
63 0.9 35.0 52.4#
89 2.0 36.2 54.2#



#52
Acenaphthene
Concen: 3.385 ng
RT: 14.627 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:154 Resp: 153590
Ion Ratio Lower Upper
154 100
153 119.5 92.6 138.8
152 55.8 43.8 65.8

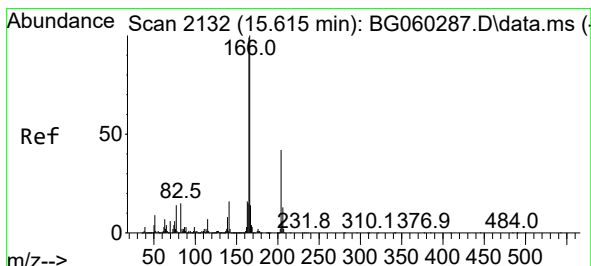
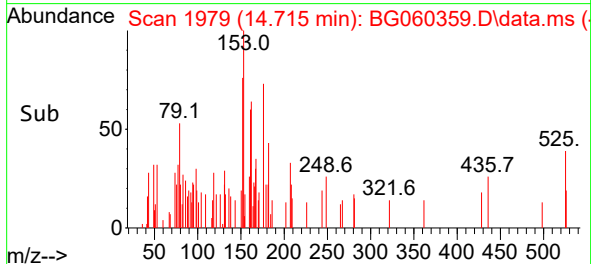
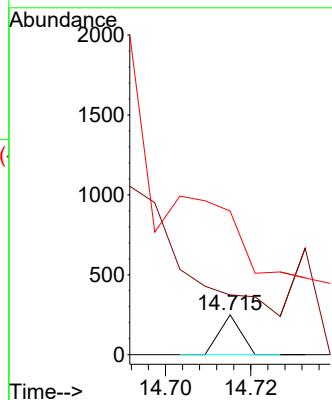
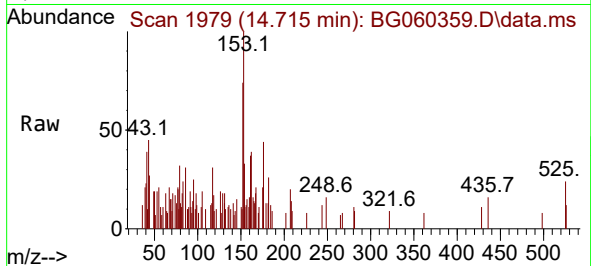




#54
2,4-Dinitrophenol
Concen: 8.596 ng
RT: 14.715 min Scan# 1972
Delta R.T. 0.040 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

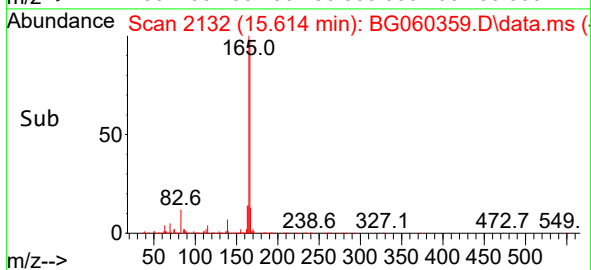
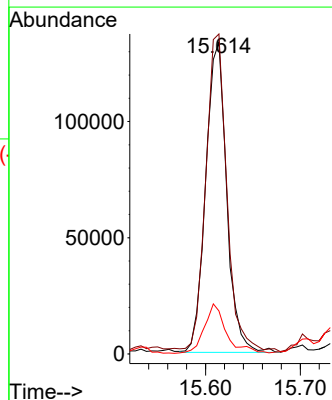
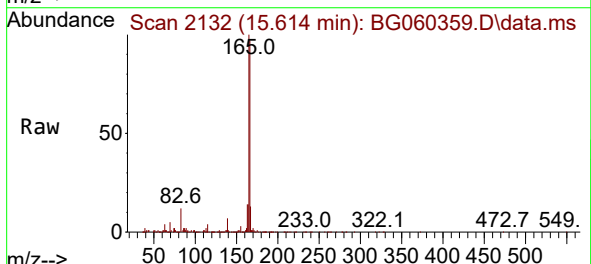
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

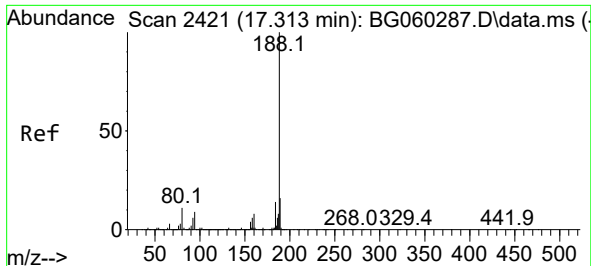
Tgt Ion:184 Resp: 88
Ion Ratio Lower Upper
184 100
63 149.8 41.0 61.4#
154 361.0 39.2 58.8#



#58
Fluorene
Concen: 3.263 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:166 Resp: 204653
Ion Ratio Lower Upper
166 100
165 102.6 79.0 118.6
167 13.8 11.4 17.0

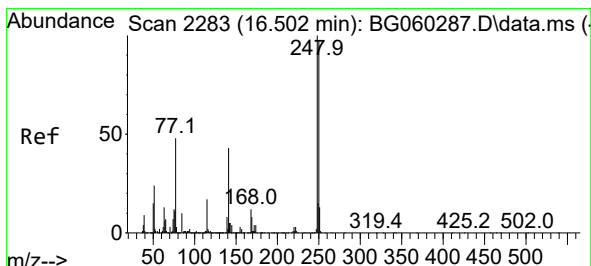
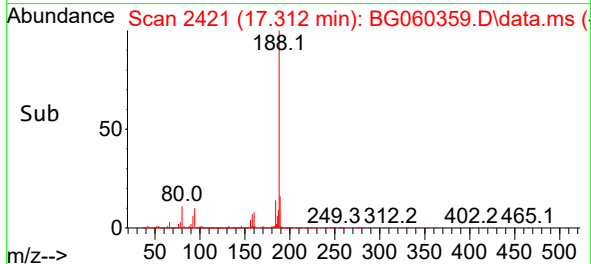
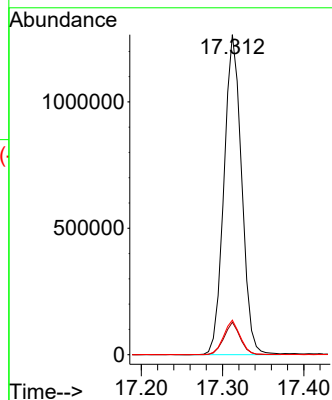
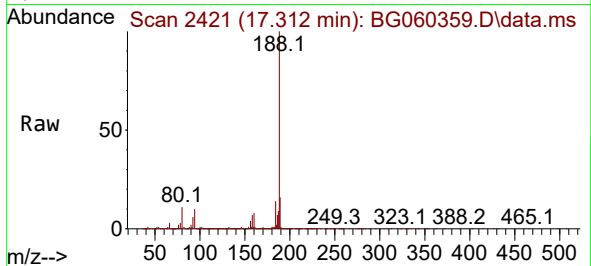




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

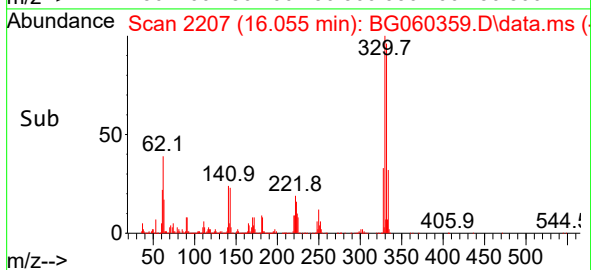
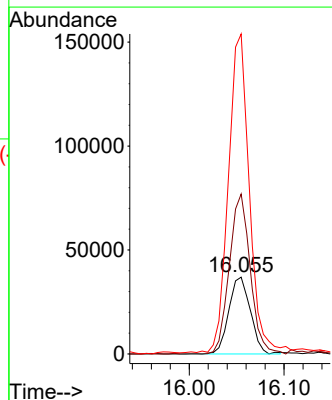
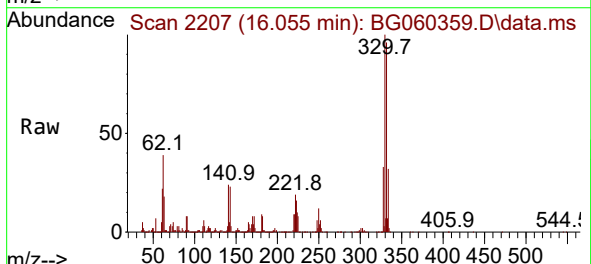
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

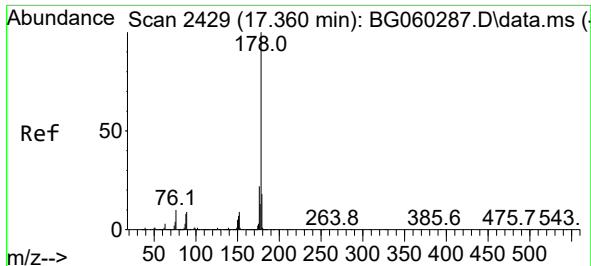
Tgt Ion:188 Resp: 1915827
Ion Ratio Lower Upper
188 100
94 10.1 7.1 10.7
80 10.8 8.5 12.7



#67
4-Bromophenyl-phenylether
Concen: 2.777 ng
RT: 16.055 min Scan# 2207
Delta R.T. -0.447 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:248 Resp: 58459
Ion Ratio Lower Upper
248 100
250 208.2 77.6 116.4#
141 416.5 34.2 51.4#

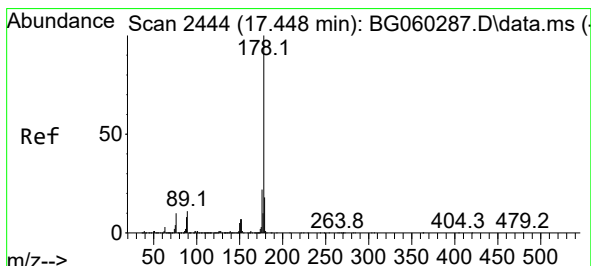
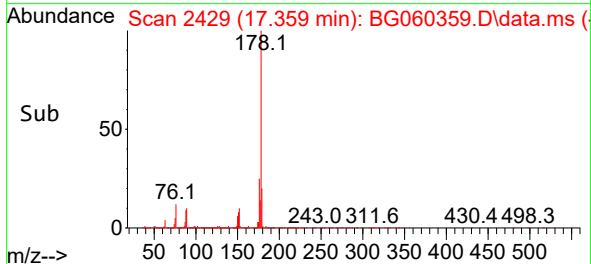
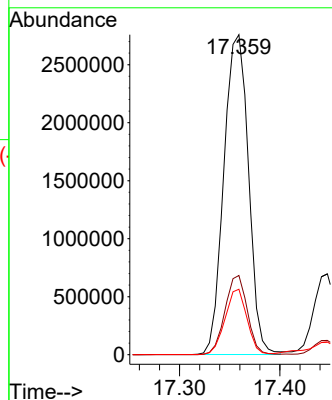
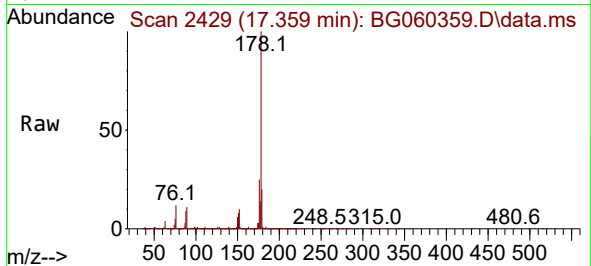




#71
Phenanthrene
Concen: 50.743 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

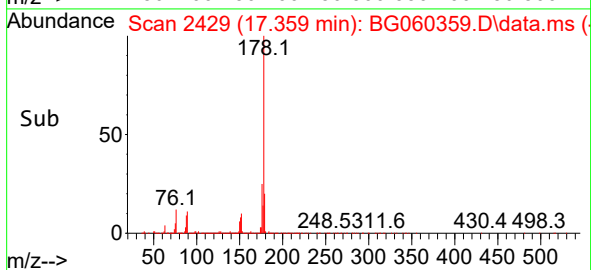
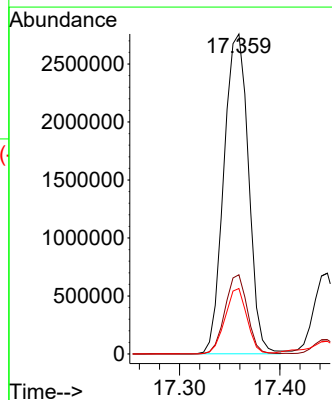
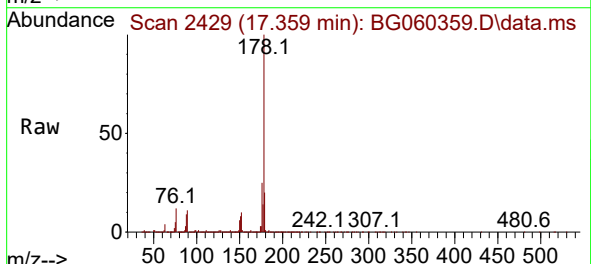
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

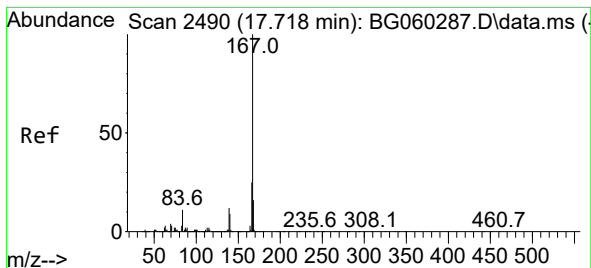
Tgt Ion:178 Resp: 4698969
Ion Ratio Lower Upper
178 100
176 24.8 17.4 26.2
179 20.4 14.7 22.1



#72
Anthracene
Concen: 50.825 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.089 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:178 Resp: 4698969
Ion Ratio Lower Upper
178 100
176 24.8 17.8 26.6
179 20.4 14.1 21.1





#73

Carbazole

Concen: 3.976 ng

RT: 17.718 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

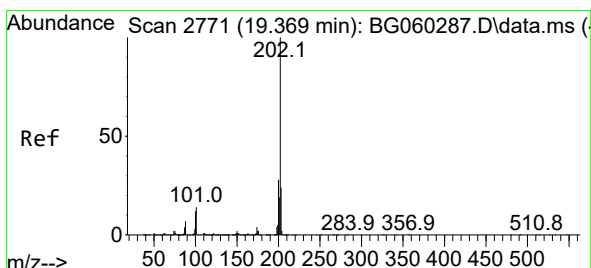
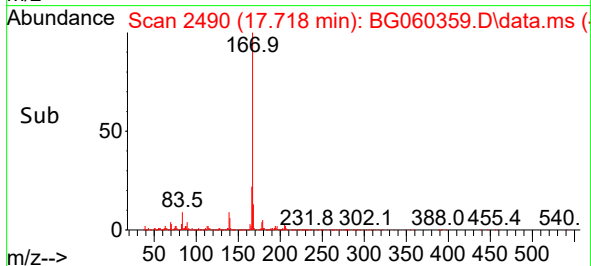
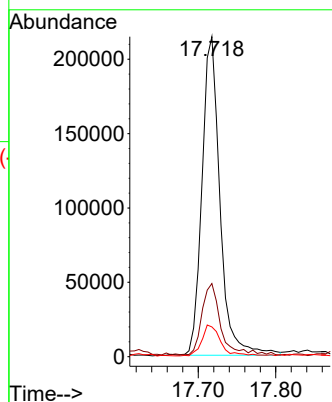
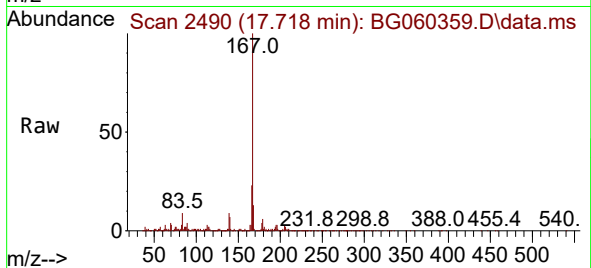
Tgt Ion:167 Resp: 346545

Ion Ratio Lower Upper

167 100

166 22.9 19.8 29.8

139 9.3 9.3 13.9



#75

Fluoranthene

Concen: 56.699 ng

RT: 19.374 min Scan# 2772

Delta R.T. 0.005 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

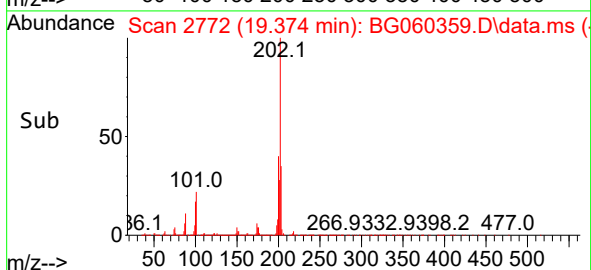
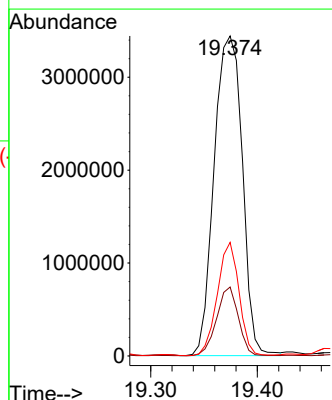
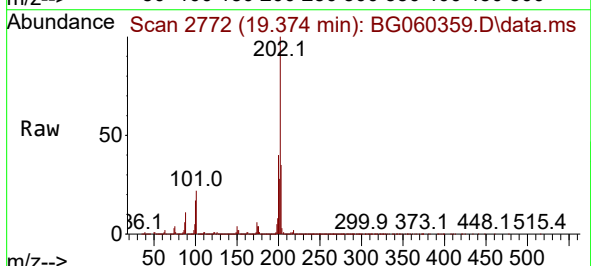
Tgt Ion:202 Resp: 6306282

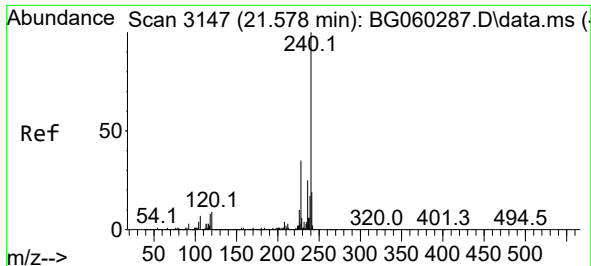
Ion Ratio Lower Upper

202 100

101 21.6 0.0 34.4

203 35.5 4.0 44.0

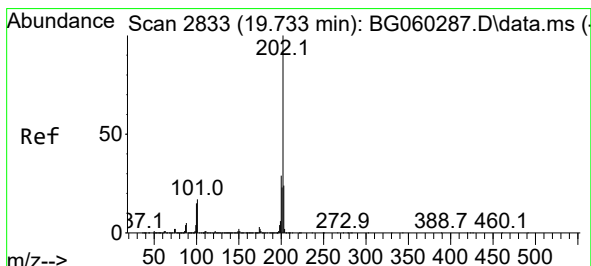
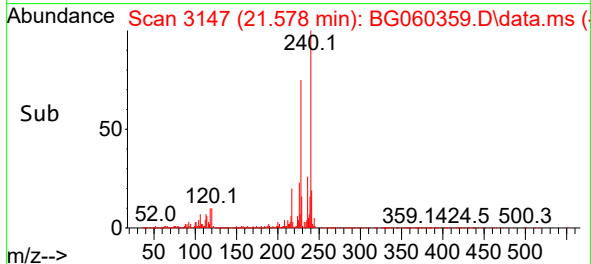
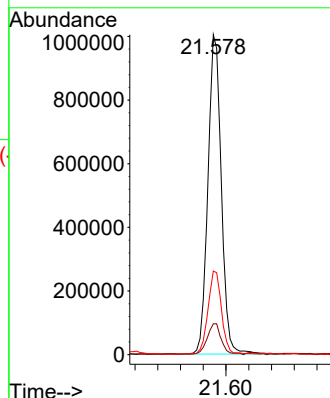
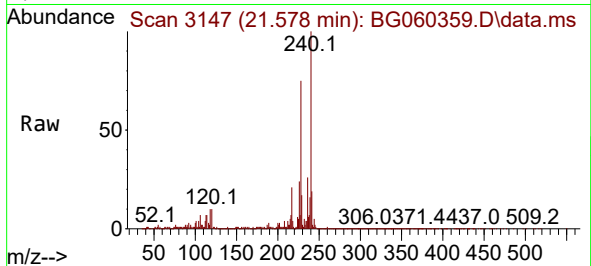




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

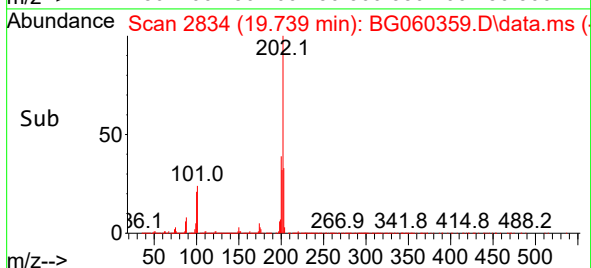
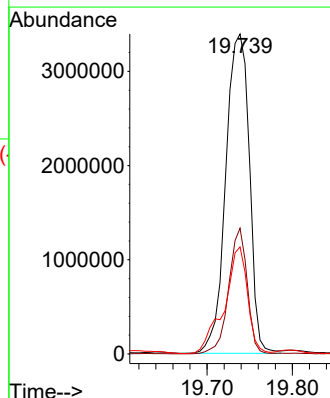
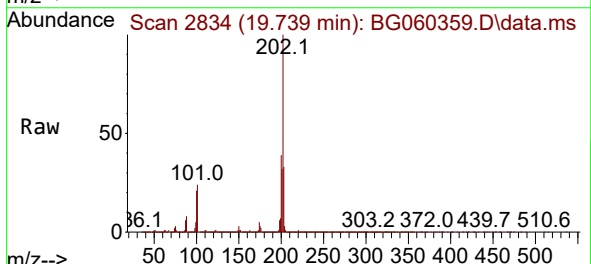
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

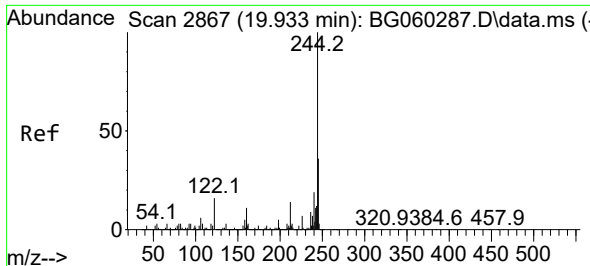
Tgt Ion:240 Resp: 1632658
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.1 20.3 30.5



#78
Pyrene
Concen: 62.578 ng
RT: 19.739 min Scan# 2834
Delta R.T. 0.005 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:202 Resp: 6524454
Ion Ratio Lower Upper
202 100
200 39.3 23.5 35.3#
203 33.4 19.6 29.4#





#79

Terphenyl-d14

Concen: 59.959 ng

RT: 19.933 min Scan# 2

Delta R.T. -0.000 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

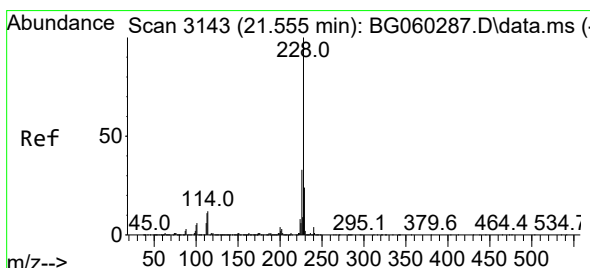
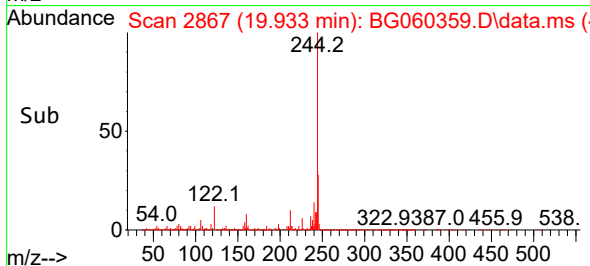
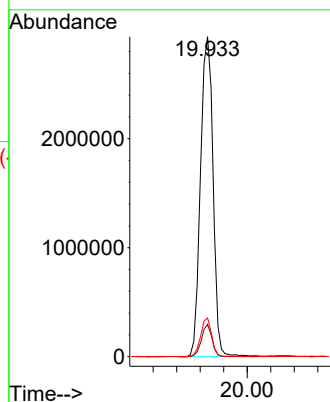
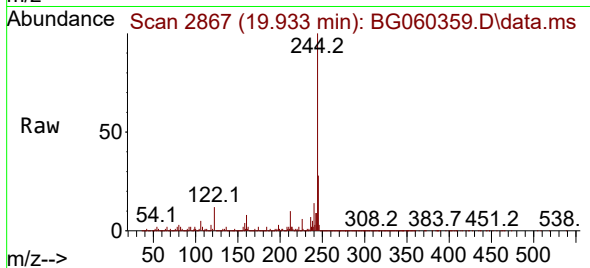
Tgt Ion:244 Resp: 4339857

Ion Ratio Lower Upper

244 100

212 10.0 10.9 16.3#

122 12.1 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 42.058 ng

RT: 21.560 min Scan# 3144

Delta R.T. 0.005 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

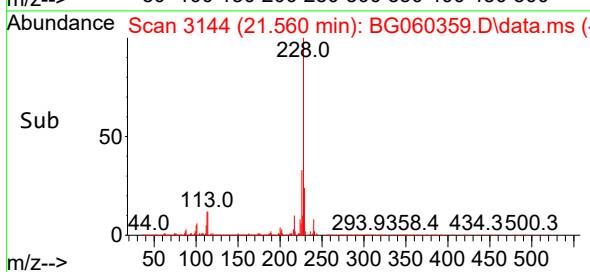
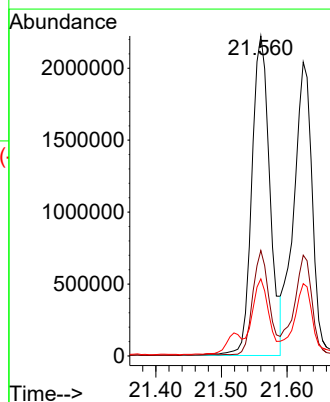
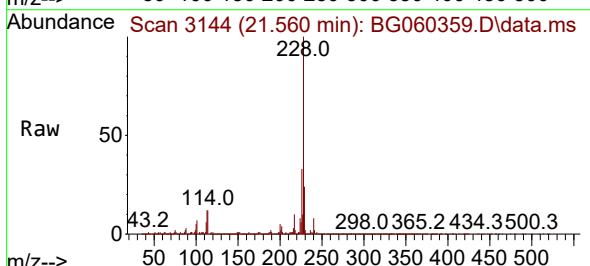
Tgt Ion:228 Resp: 4251006

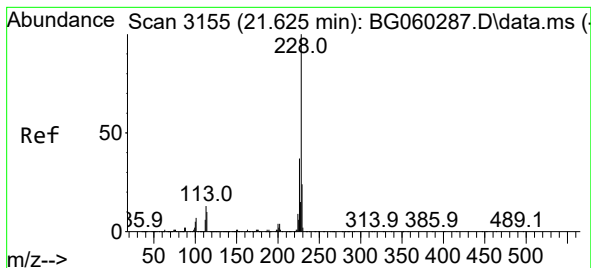
Ion Ratio Lower Upper

228 100

226 33.0 26.2 39.2

229 24.1 19.4 29.2





#83

Chrysene

Concen: 39.450 ng

RT: 21.625 min Scan# 3155

Delta R.T. -0.001 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

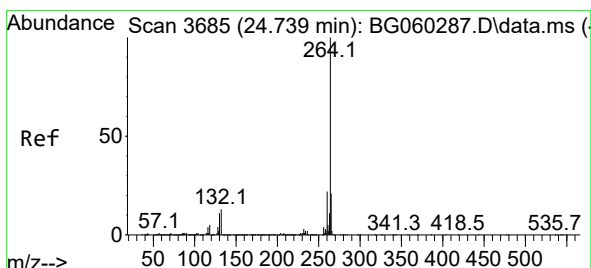
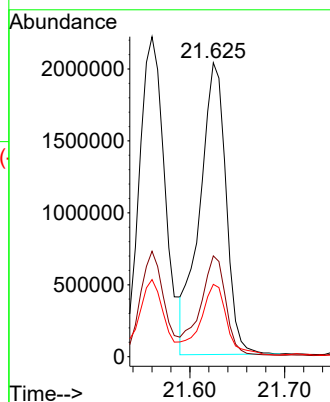
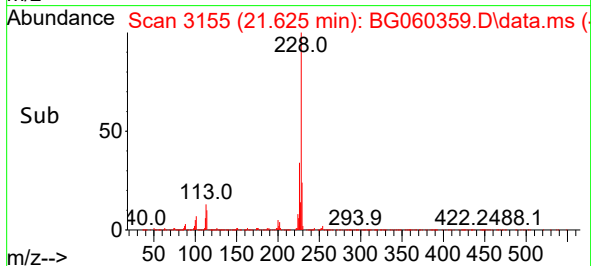
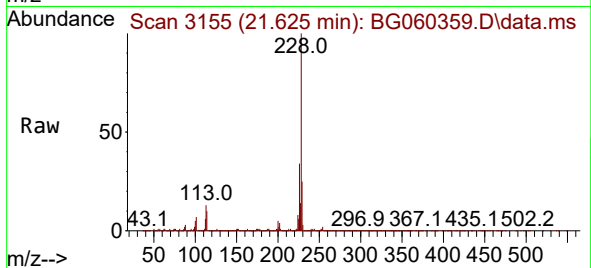
Tgt Ion:228 Resp: 3921621

Ion Ratio Lower Upper

228 100

226 34.3 29.4 44.2

229 24.6 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.745 min Scan# 3686

Delta R.T. 0.005 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

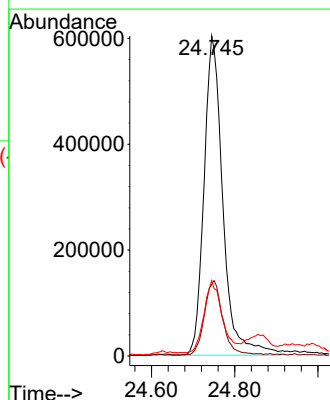
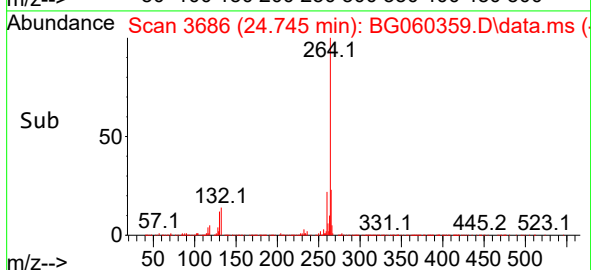
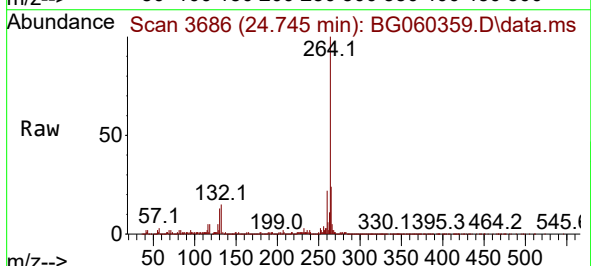
Tgt Ion:264 Resp: 1891980

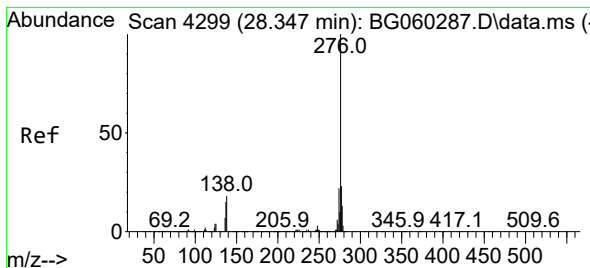
Ion Ratio Lower Upper

264 100

260 22.5 17.8 26.6

265 23.6 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.147 ng

RT: 28.346 min Scan# 4299

Delta R.T. -0.001 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

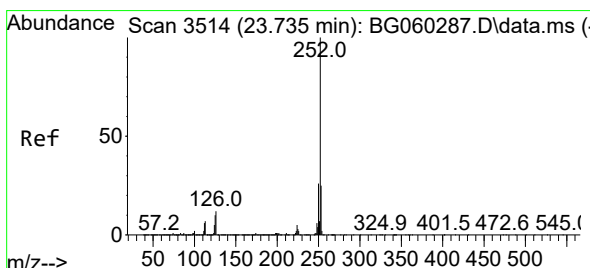
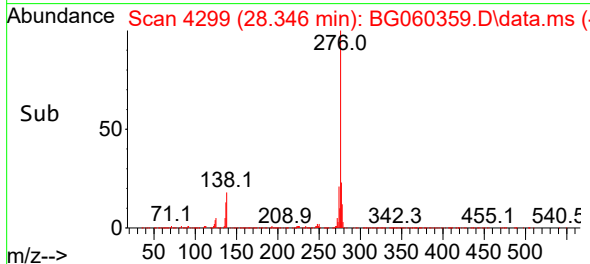
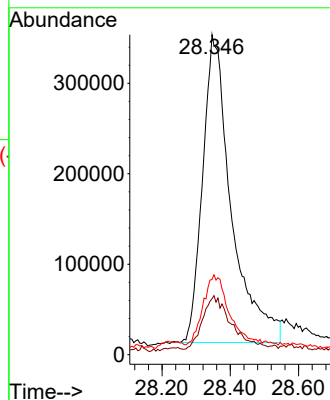
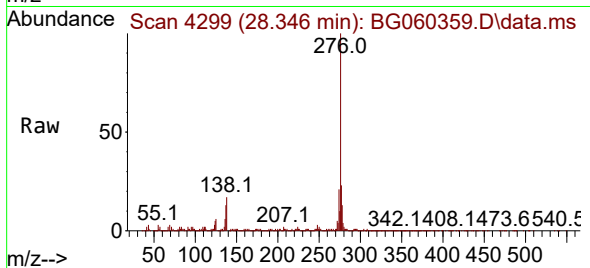
Tgt Ion:276 Resp: 1992649

Ion Ratio Lower Upper

276 100

138 17.2 12.5 18.7

277 20.4 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 42.344 ng

RT: 23.746 min Scan# 3516

Delta R.T. 0.011 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

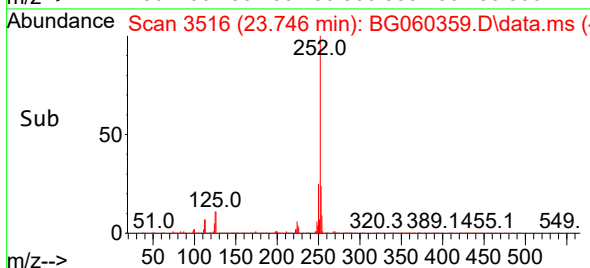
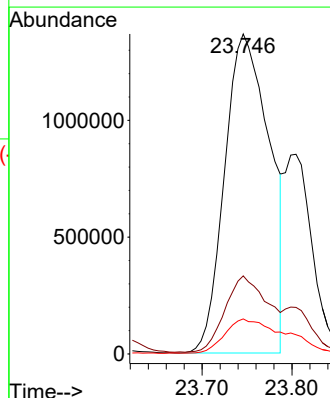
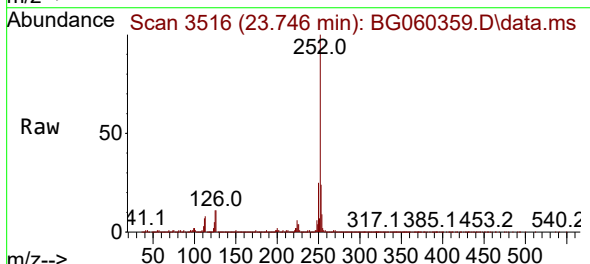
Tgt Ion:252 Resp: 4732757

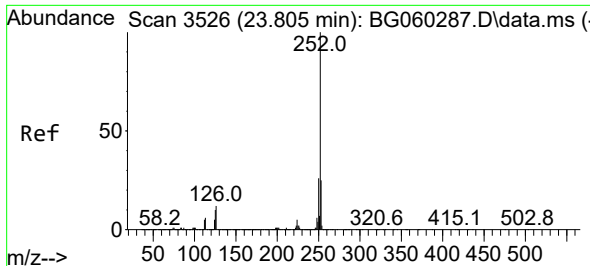
Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

125 11.0 8.1 12.1

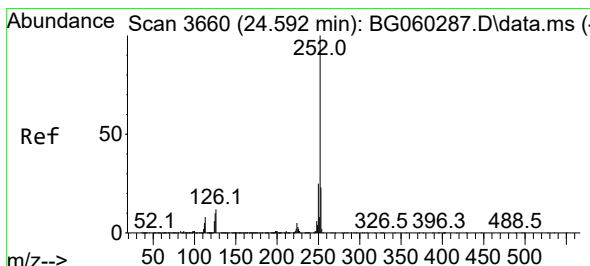
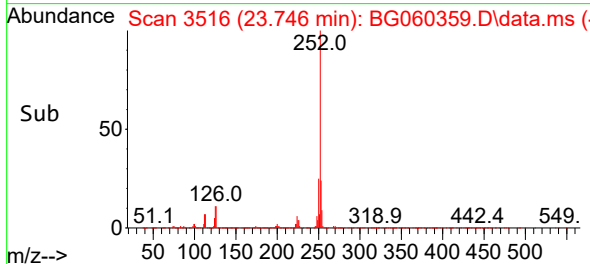
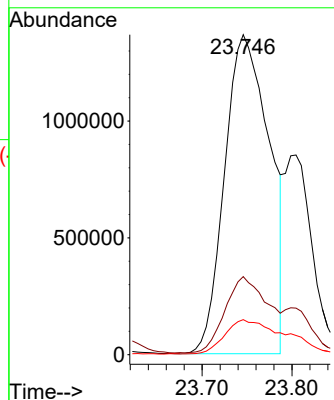
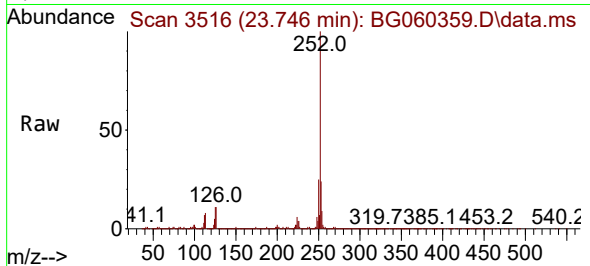




#89
Benzo(k)fluoranthene
Concen: 42.910 ng
RT: 23.746 min Scan# 316
Delta R.T. -0.059 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

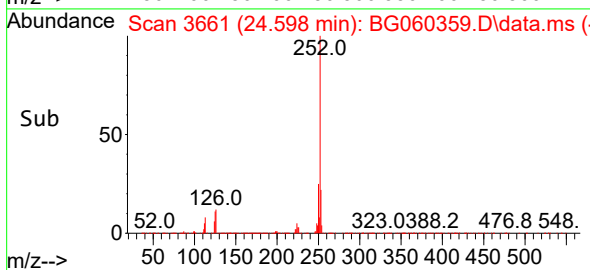
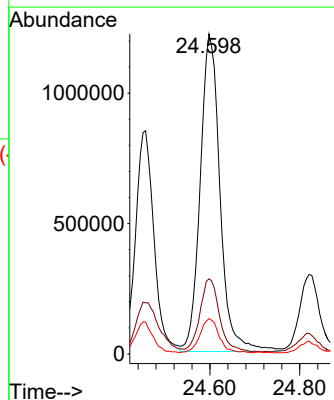
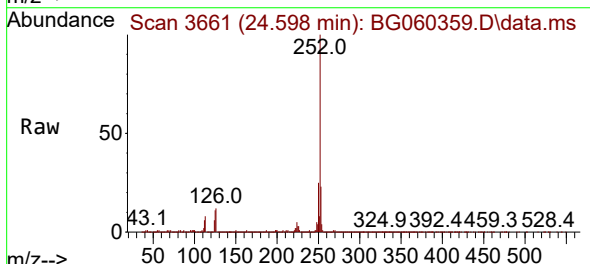
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

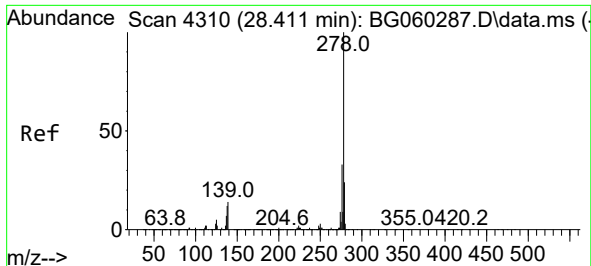
Tgt Ion:252 Resp: 4732757
Ion Ratio Lower Upper
252 100
253 24.4 19.6 29.4
125 11.0 8.2 12.2



#90
Benzo(a)pyrene
Concen: 37.039 ng
RT: 24.598 min Scan# 3661
Delta R.T. 0.005 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:252 Resp: 3739790
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.0 8.1 12.1

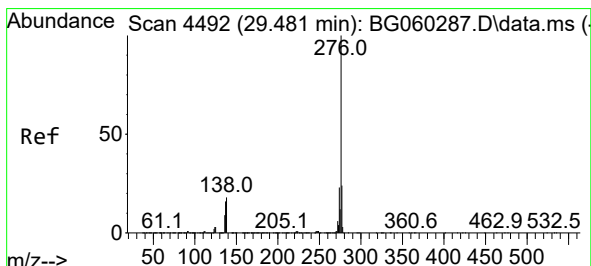
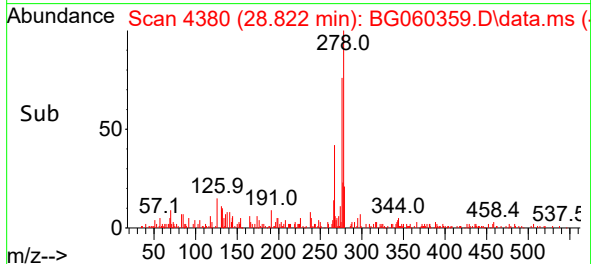
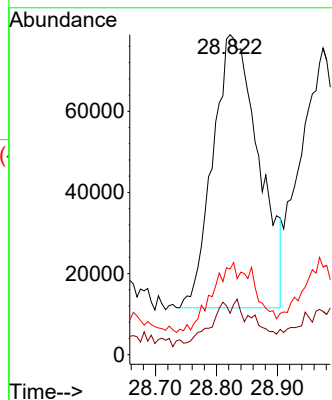
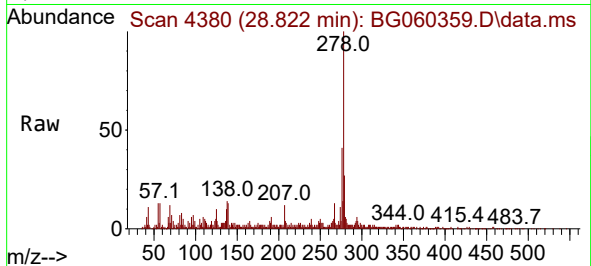




#91
Dibenzo(a,h)anthracene
Concen: 3.268 ng
RT: 28.822 min Scan# 41
Delta R.T. 0.411 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :
BNA_G
ClientSampleId :
WC-B-COMP

Tgt Ion:278 Resp: 351048
Ion Ratio Lower Upper
278 100
139 13.0 10.9 16.3
279 26.8 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 17.274 ng
RT: 29.480 min Scan# 4492
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:276 Resp: 1901997
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 20.9 14.2 21.4

