

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

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
31) Naphthalene	10.779	128	247556	3.995	ng	99
37) 2-Methylnaphthalene	12.389	142	128339	2.793	ng	97
38) 1-Methylnaphthalene	12.607	142	127637	2.766	ng	100
52) Acenaphthene	14.628	154	427757	9.692	ng	99
55) Dibenzofuran	14.963	168	522817	7.096	ng	99
58) Fluorene	15.615	166	512607	8.402	ng	99
71) Phenanthrene	17.360	178	6454314m	74.236	ng	
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	4770929m	52.925	ng	
87) Indeno(1,2,3-cd)pyrene	28.371	276	2061868m	17.805	ng	
88) Benzo(b)fluoranthene	23.758	252	5601448	56.931	ng	98
89) Benzo(k)fluoranthene	23.811	252	2192059m	22.577	ng	
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

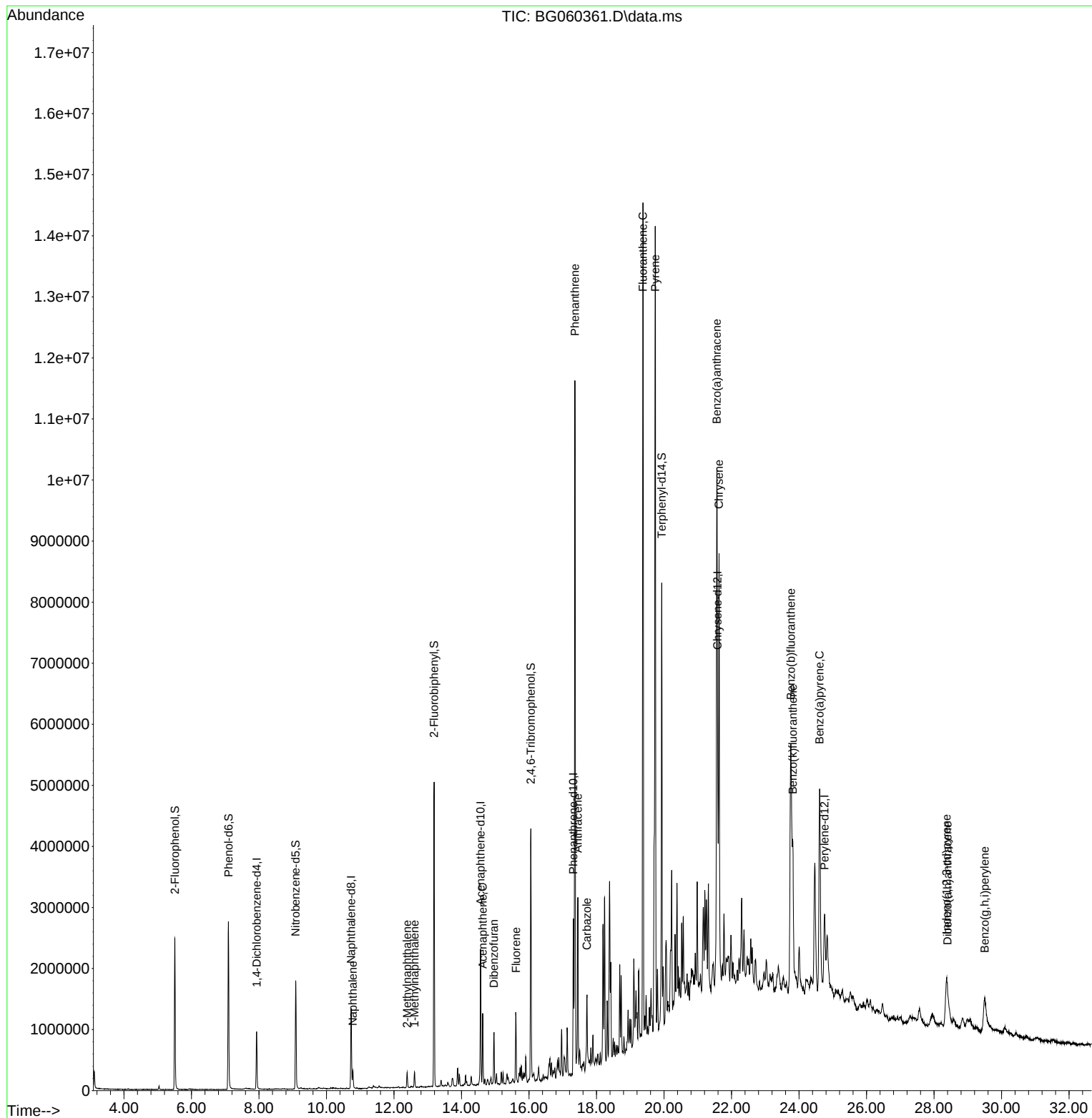
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
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Sample : P1169-01
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ALS Vial : 13 Sample Multiplier: 1

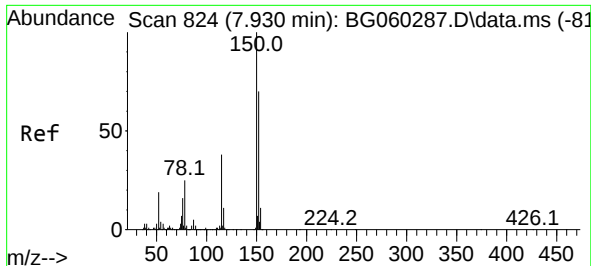
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
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QLast Update : Tue Jan 09 04:07:12 2024
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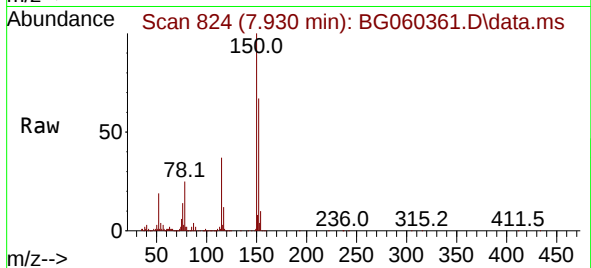
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024





#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

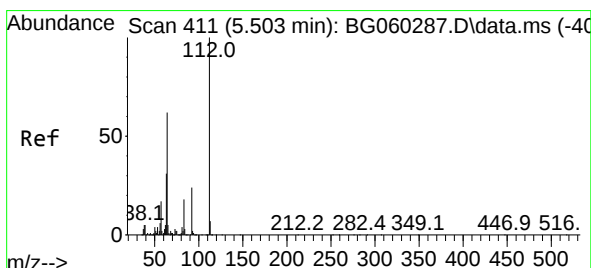
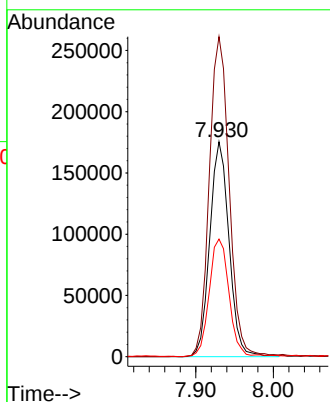
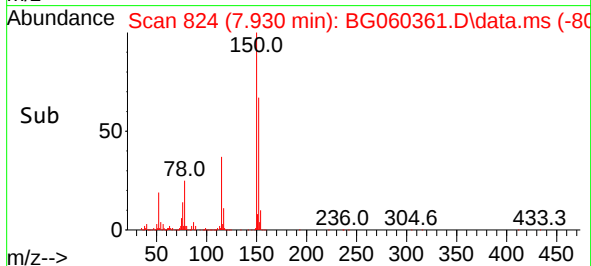
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP



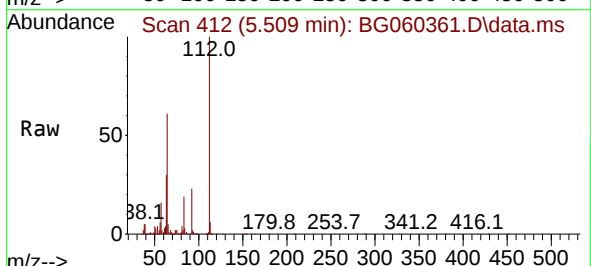
Tgt Ion:152 Resp: 302830
Ion Ratio Lower Upper
152 100
150 148.9 114.5 171.7
115 54.7 43.0 64.6

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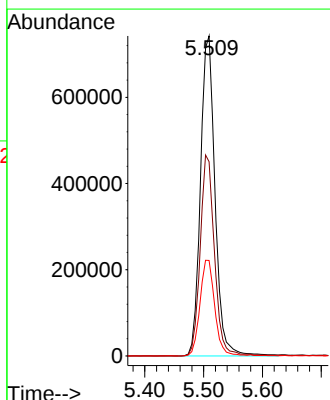
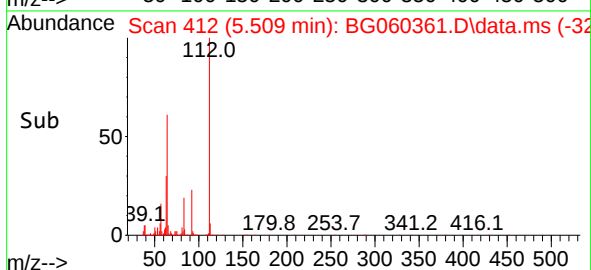
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#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





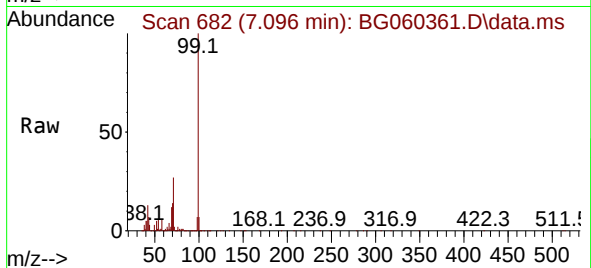
#7
Phenol-d6
Concen: 70.861 ng
RT: 7.096 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

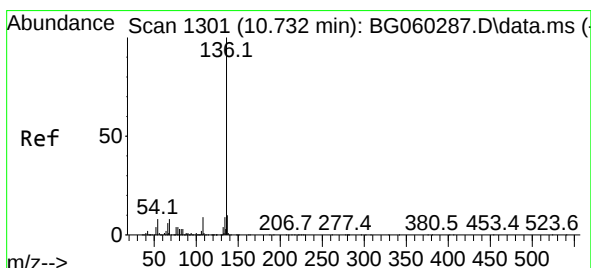
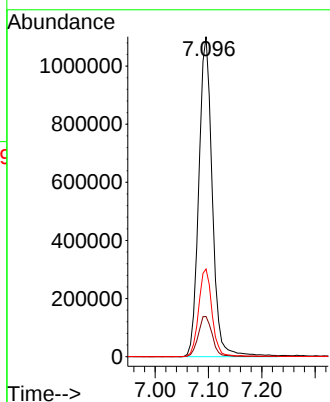
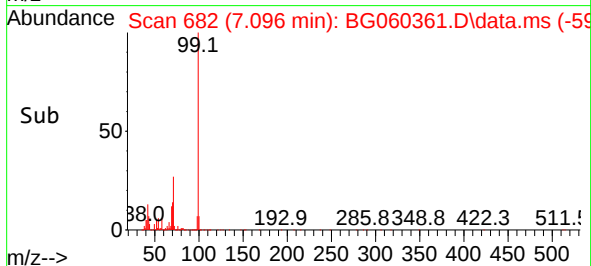


Tgt Ion: 99 Resp: 1931920
Ion Ratio Lower Upper
99 100
42 12.6 10.9 16.3
71 27.4 21.5 32.3

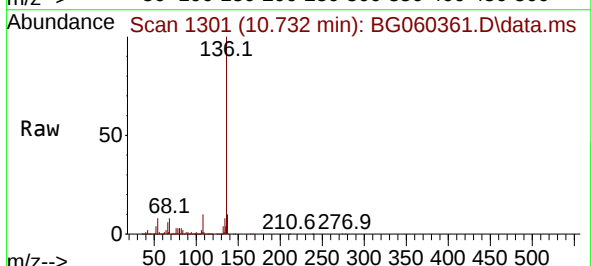
Manual Integrations

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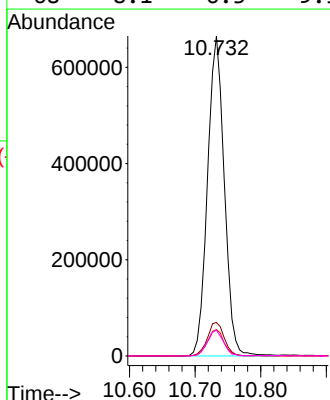
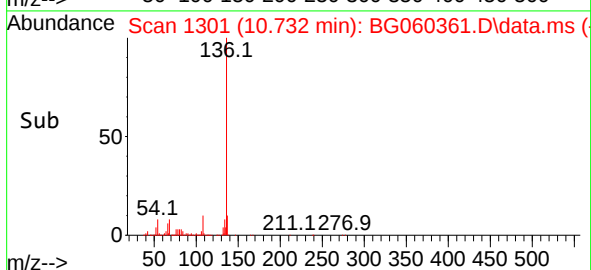
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

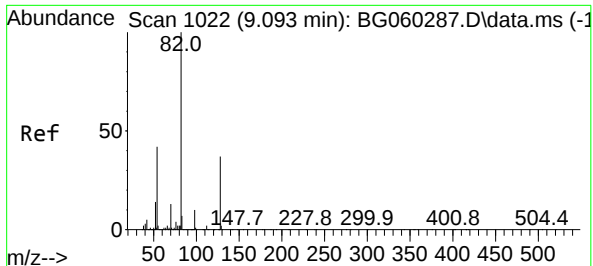


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53



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# 1022
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

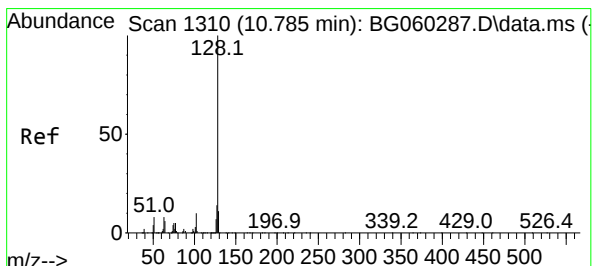
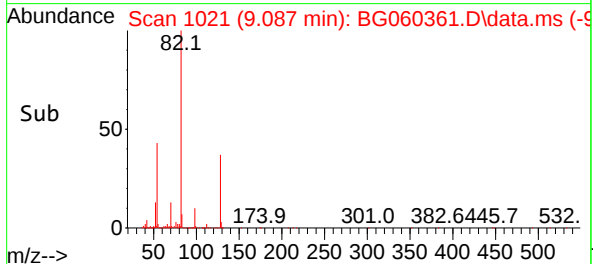
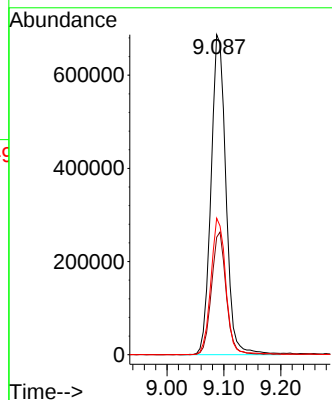
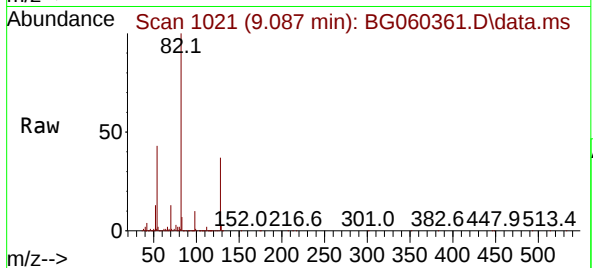
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Tgt Ion: 82 Resp: 1248939
Ion Ratio Lower Upper
82 100
128 36.7 29.6 44.4
54 42.7 33.6 50.4

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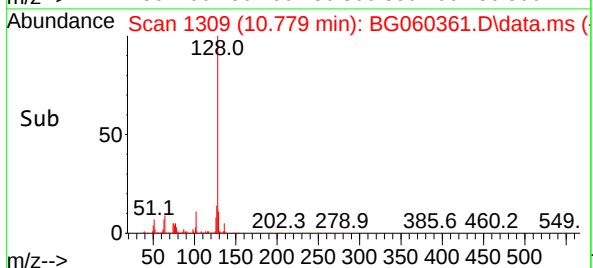
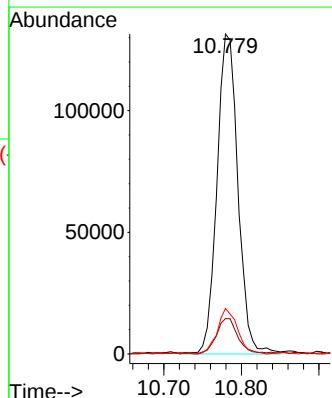
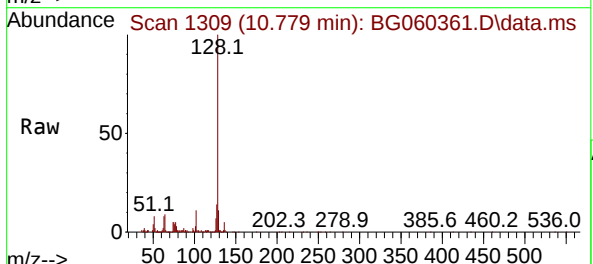
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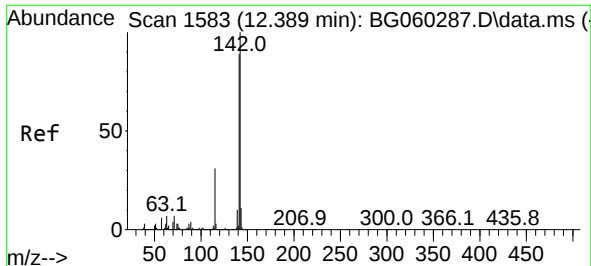
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#31
Naphthalene
Concen: 3.995 ng
RT: 10.779 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

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





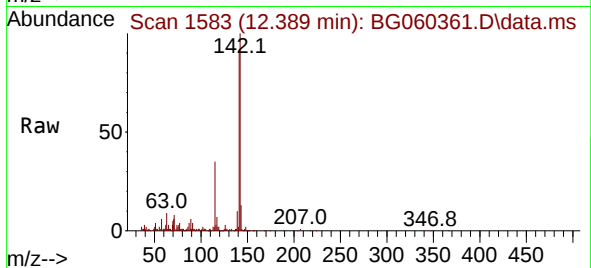
#37
2-Methylnaphthalene
Concen: 2.793 ng
RT: 12.389 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

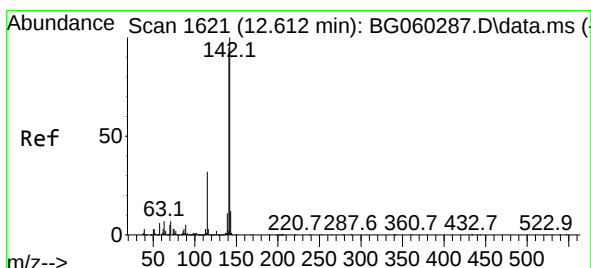
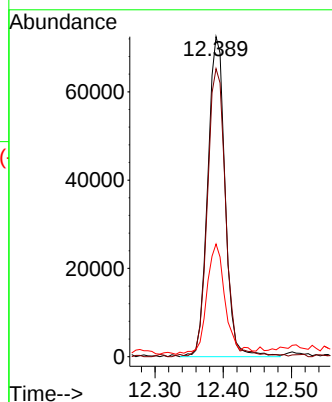
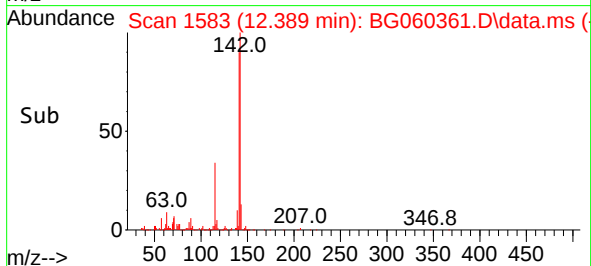


Tgt Ion:142 Resp: 128339
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.4
115 35.2 24.7 37.1

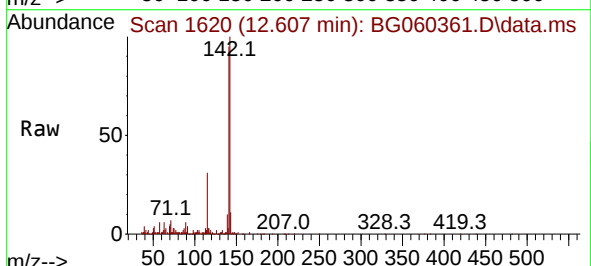
Manual Integrations

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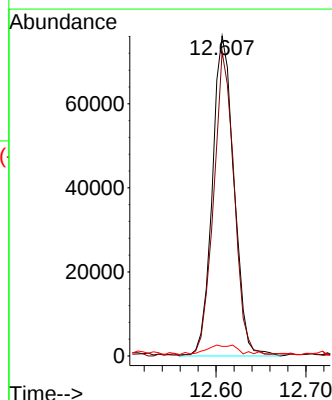
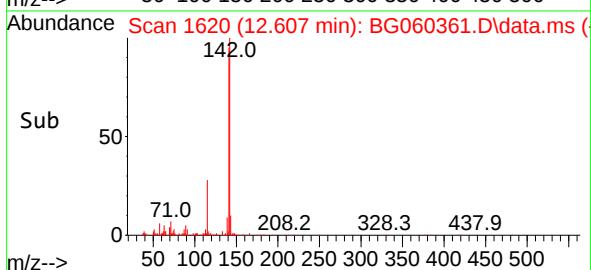
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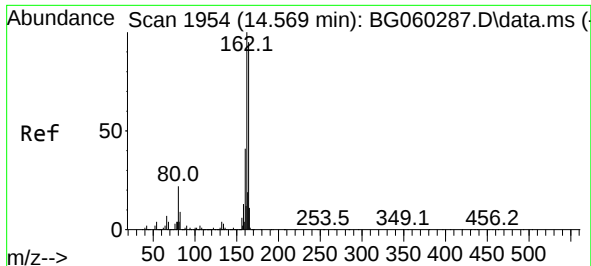


#38
1-Methylnaphthalene
Concen: 2.766 ng
RT: 12.607 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53



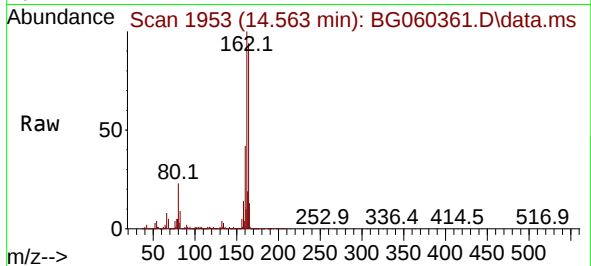
Tgt Ion:142 Resp: 127637
Ion Ratio Lower Upper
142 100
141 95.1 76.2 114.2
116 3.0 2.6 3.8





#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

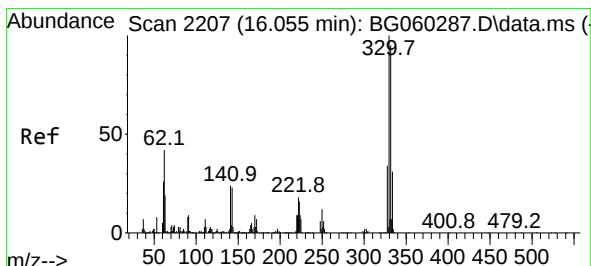
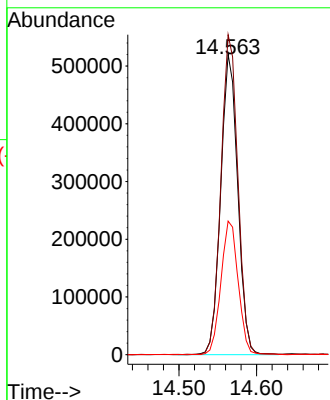
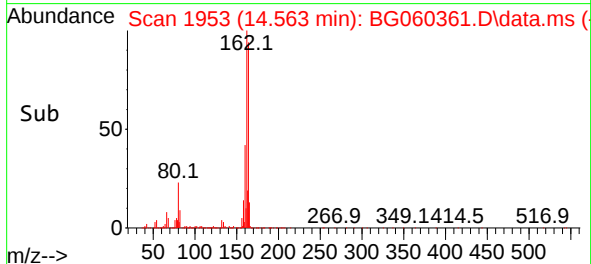
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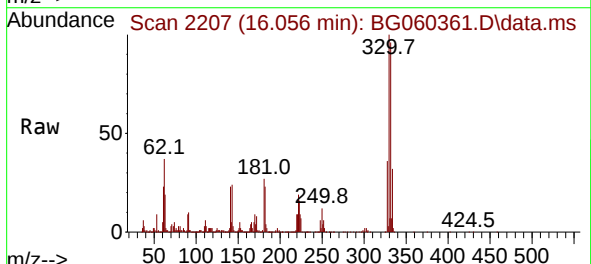
Tgt Ion:164 Resp: 79595
Ion Ratio Lower Upper
164 100
162 106.5 84.4 126.6
160 44.5 34.6 52.0

Manual Integrations
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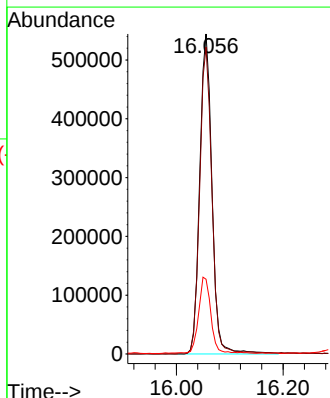
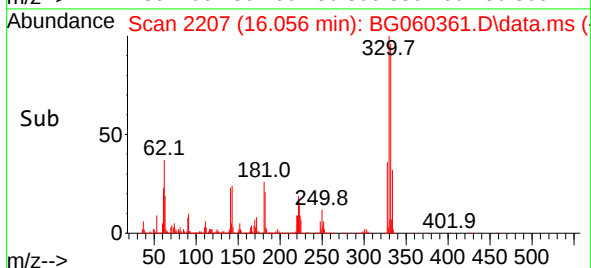
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

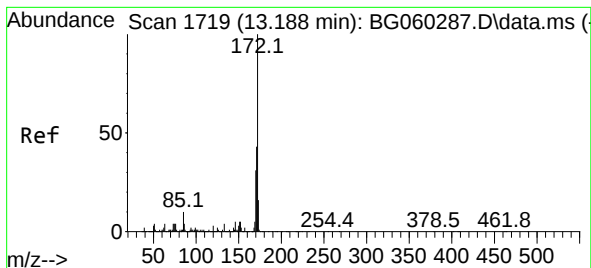


#42
2,4,6-Tribromophenol
Concen: 74.013 ng
RT: 16.056 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53



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# 1719
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

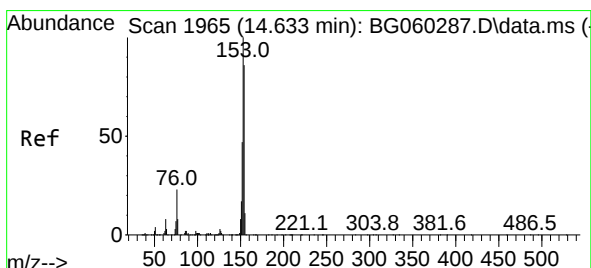
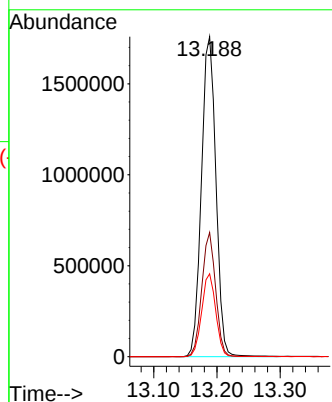
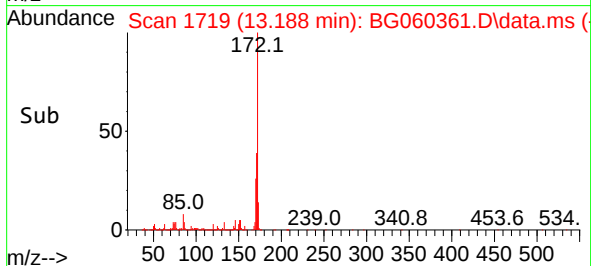
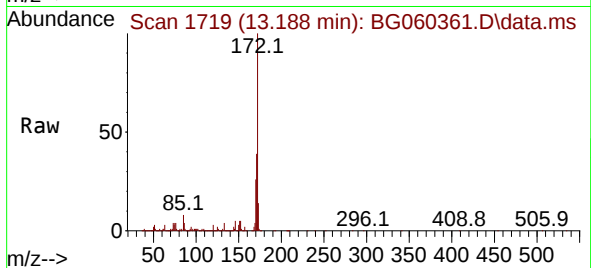
WC-A-COMP

Tgt Ion:172 Resp: 280638
Ion Ratio Lower Upper
172 100
171 38.8 34.6 51.8
170 25.9 24.4 36.6

Manual Integrations

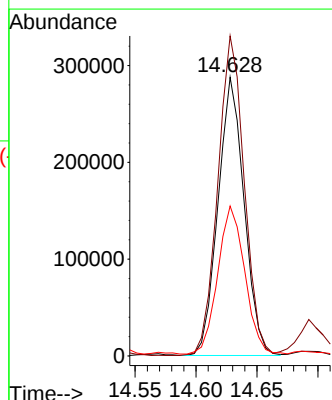
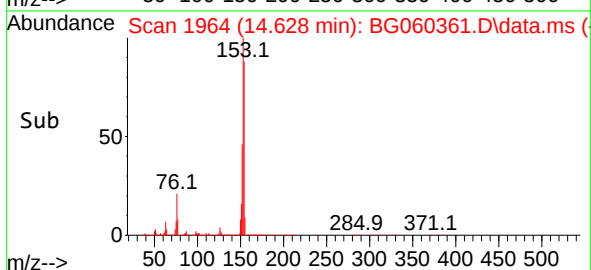
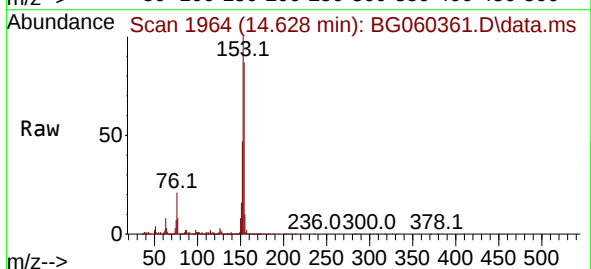
APPROVED

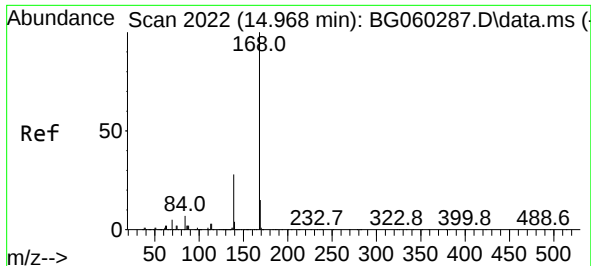
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#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

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





#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

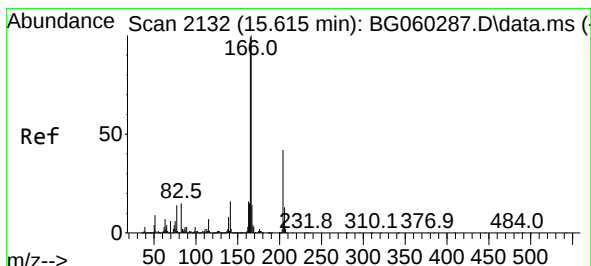
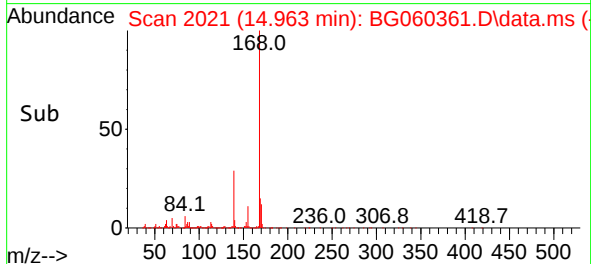
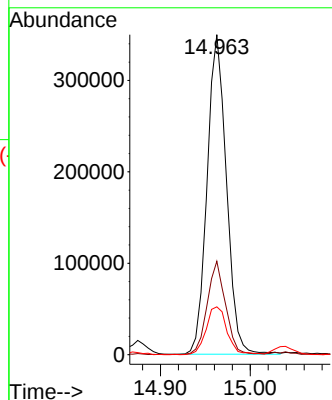
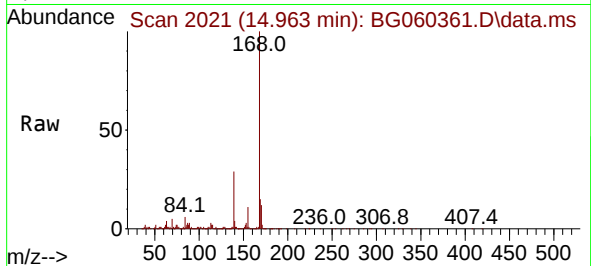
ClientSampleId :

WC-A-COMP

Tgt Ion:168 Resp: 52281
Ion Ratio Lower Upper
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139 29.2 22.6 34.0
169 15.0 12.1 18.1

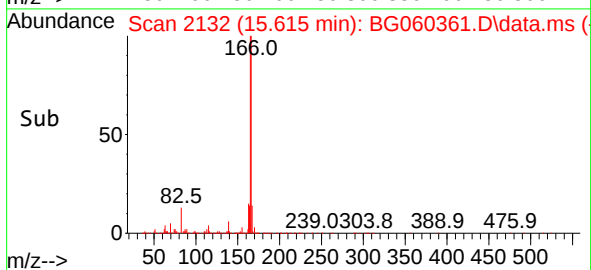
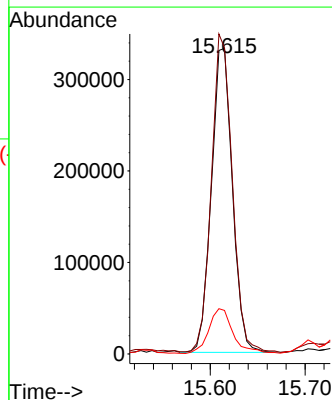
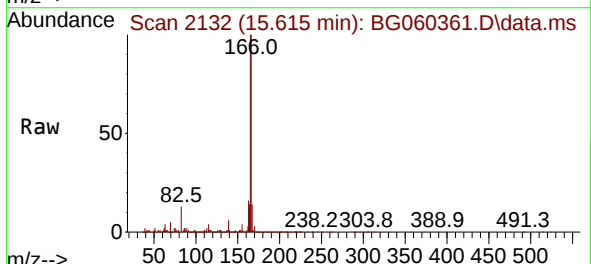
Manual Integrations
APPROVED

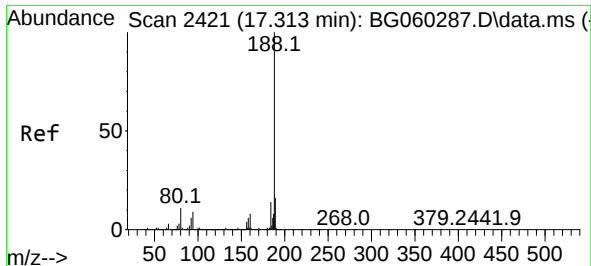
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#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

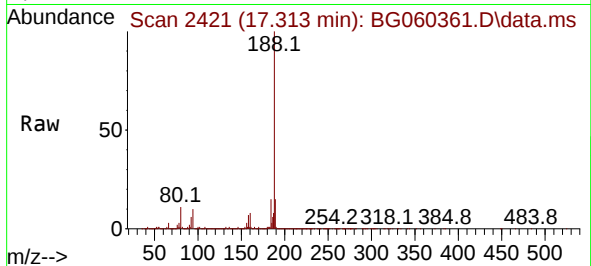
Tgt Ion:166 Resp: 512607
Ion Ratio Lower Upper
166 100
165 100.2 79.0 118.6
167 14.2 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

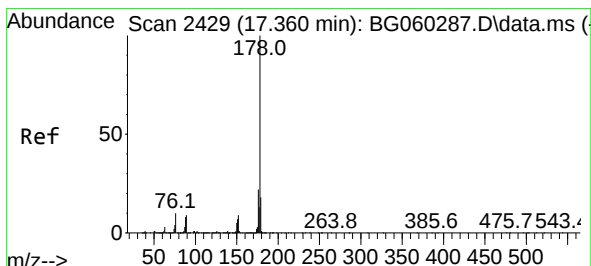
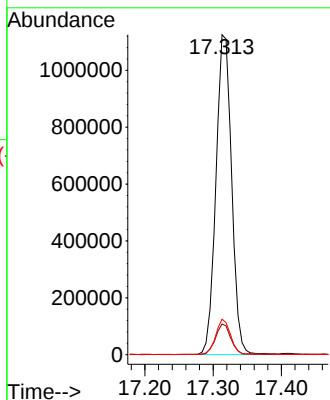
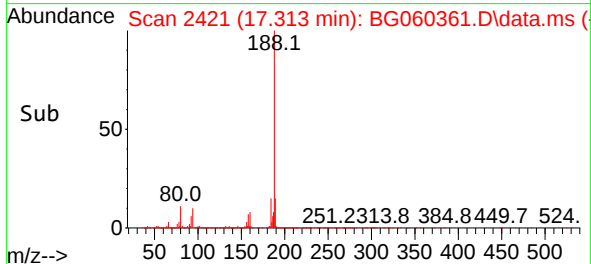
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP



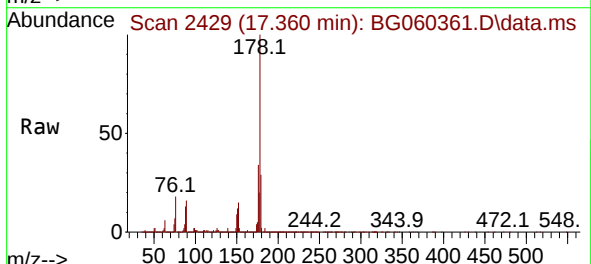
Tgt Ion:188 Resp: 1798738
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 11.1 8.5 12.7

Manual Integrations
APPROVED

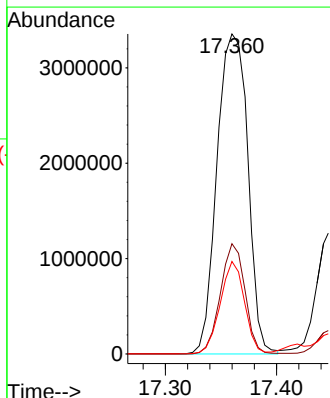
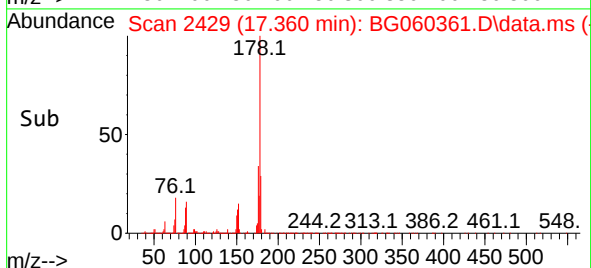
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

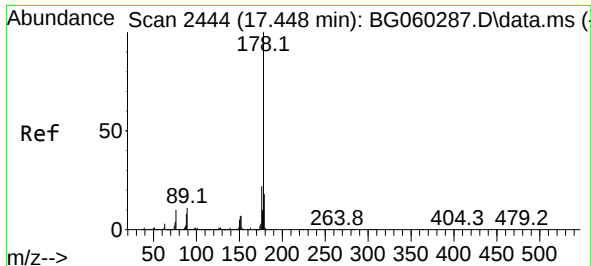


#71
Phenanthrene
Concen: 74.236 ng m
RT: 17.360 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53



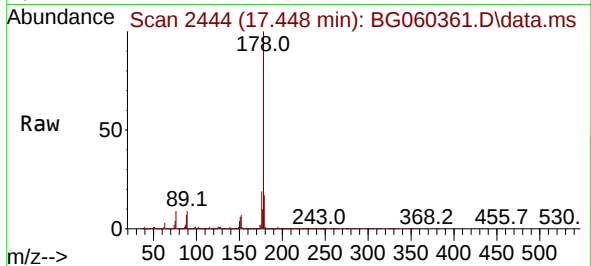
Tgt Ion:178 Resp: 6454314
Ion Ratio Lower Upper
178 100
176 34.4 17.4 26.2#
179 28.9 14.7 22.1#





#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

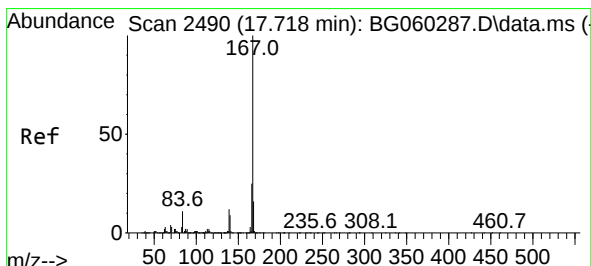
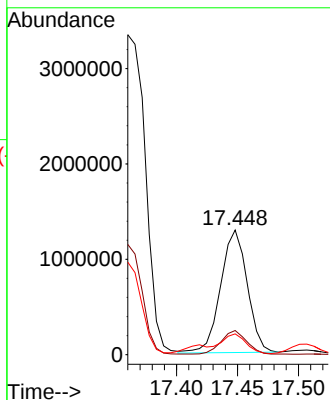
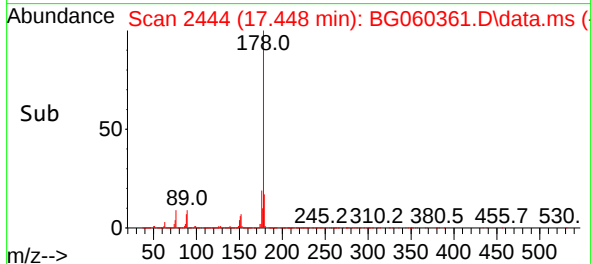
Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP



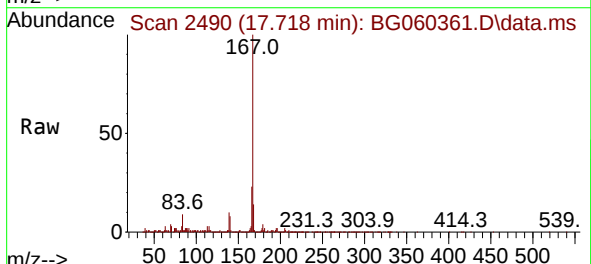
Tgt Ion:178 Resp: 1961938
 Ion Ratio Lower Upper
 178 100
 176 19.3 17.8 26.6
 179 16.8 14.1 21.1

Manual Integrations
 APPROVED

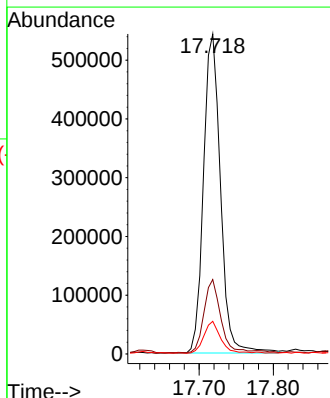
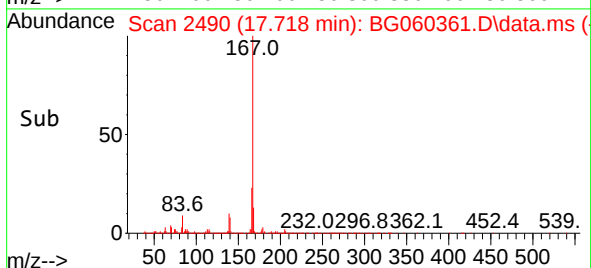
Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

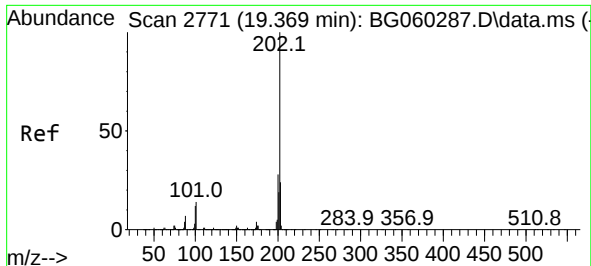


#73
 Carbazole
 Concen: 10.581 ng
 RT: 17.718 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: BG060361.D
 Acq: 18 Jan 2024 20:53



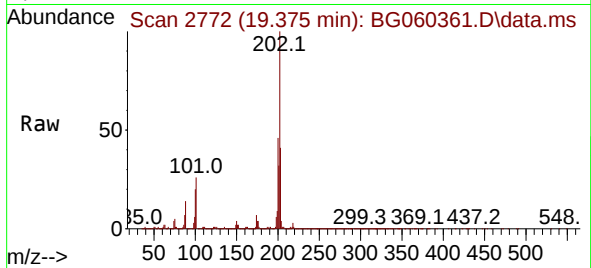
Tgt Ion:167 Resp: 865860
 Ion Ratio Lower Upper
 167 100
 166 23.3 19.8 29.8
 139 10.2 9.3 13.9





#75
Fluoranthene
Concen: 69.148 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

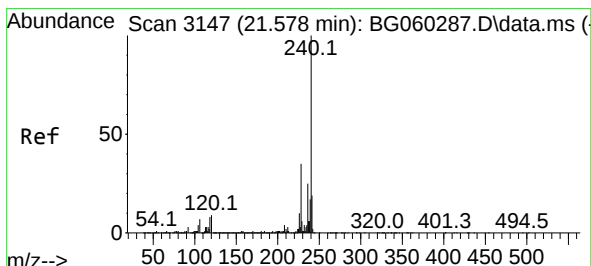
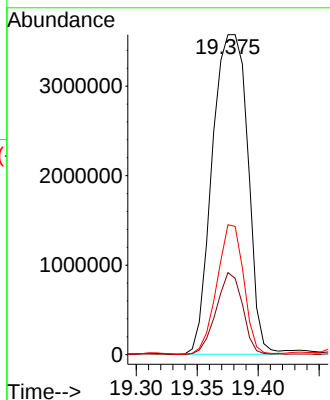
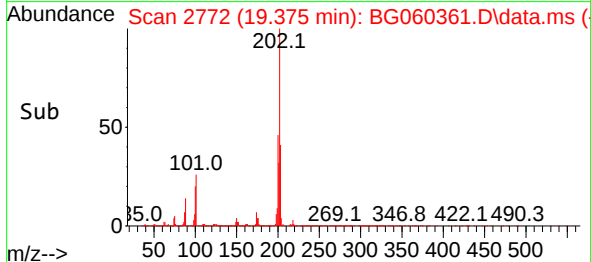
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP



Tgt Ion:202 Resp: 722091
Ion Ratio Lower Upper
202 100
101 25.6 0.0 34.4
203 40.6 4.0 44.0

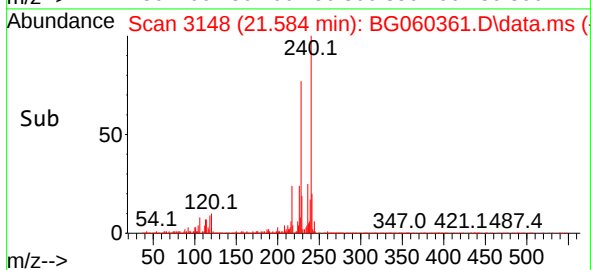
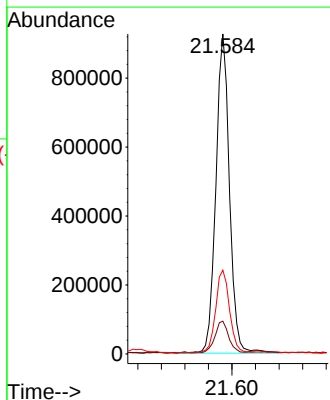
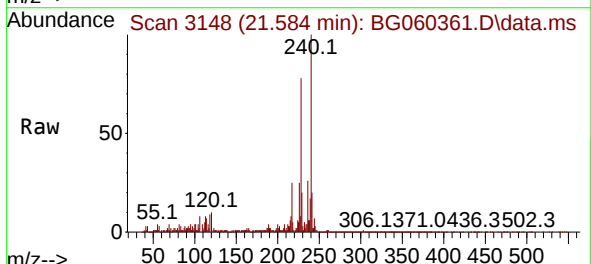
Manual Integrations
APPROVED

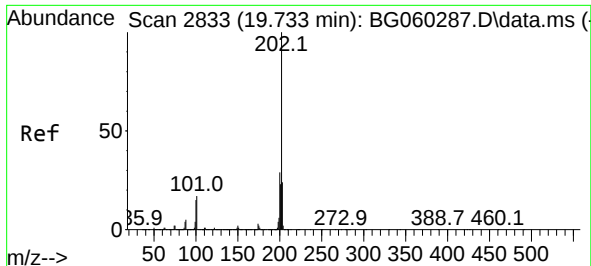
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.584 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

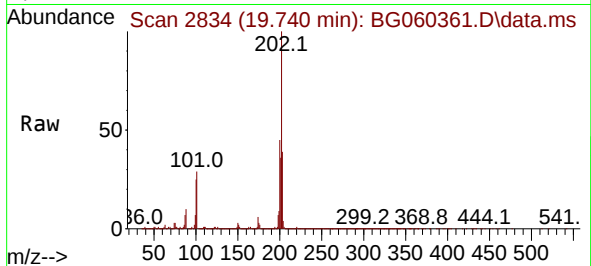
Tgt Ion:240 Resp: 1480555
Ion Ratio Lower Upper
240 100
120 10.2 7.3 10.9
236 26.2 20.3 30.5





#78
 Pyrene
 Concen: 77.038 ng
 RT: 19.740 min Scan# 2833
 Delta R.T. 0.006 min
 Lab File: BG060361.D
 Acq: 18 Jan 2024 20:53

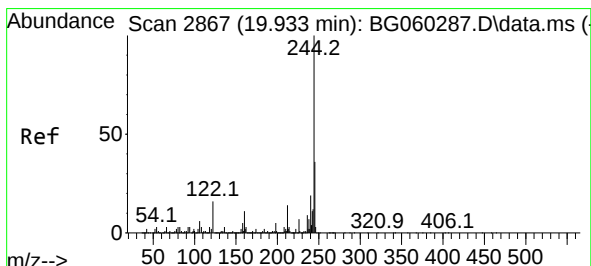
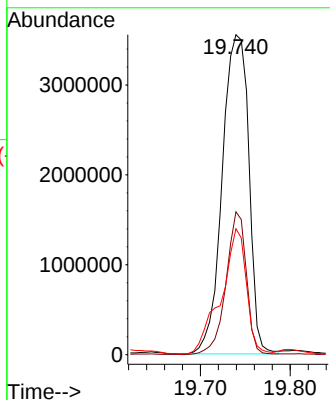
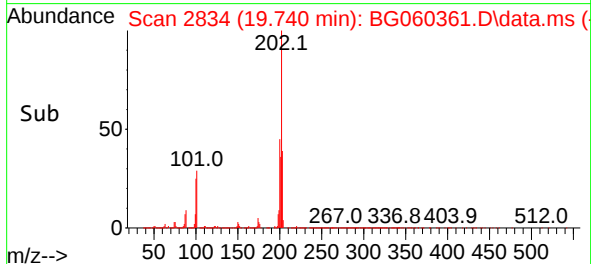
Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP



Tgt Ion:202 Resp: 728379
 Ion Ratio Lower Upper
 202 100
 200 44.7 23.5 35.3#
 203 39.3 19.6 29.4#

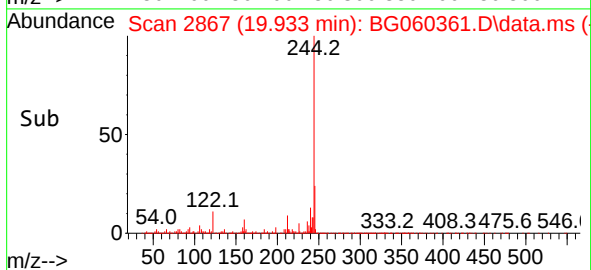
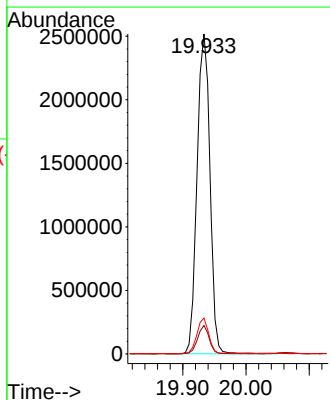
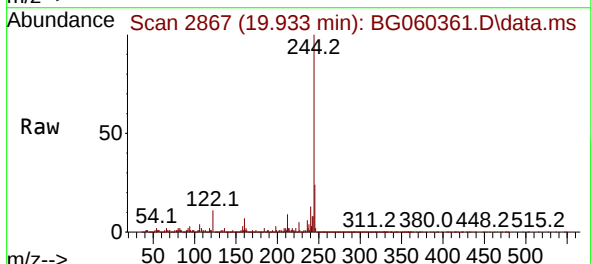
Manual Integrations
 APPROVED

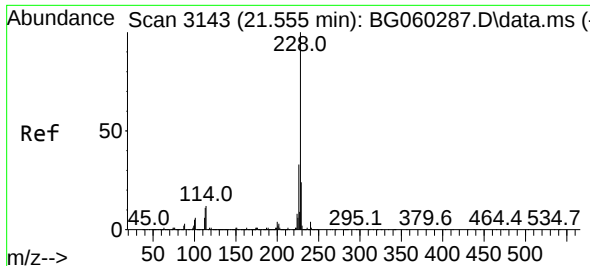
Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024



#79
 Terphenyl-d14
 Concen: 52.389 ng
 RT: 19.933 min Scan# 2867
 Delta R.T. 0.000 min
 Lab File: BG060361.D
 Acq: 18 Jan 2024 20:53

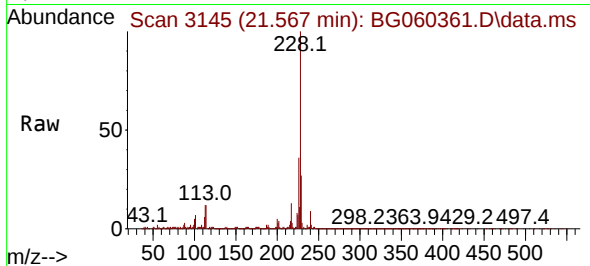
Tgt Ion:244 Resp: 3563690
 Ion Ratio Lower Upper
 244 100
 212 8.9 10.9 16.3#
 122 11.2 12.6 18.8#





#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

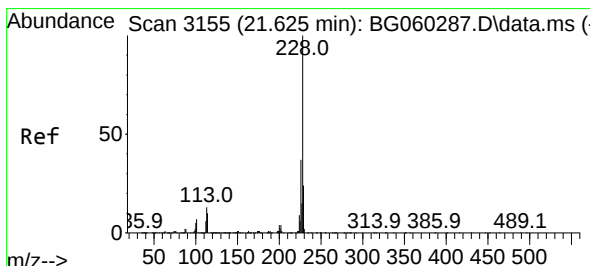
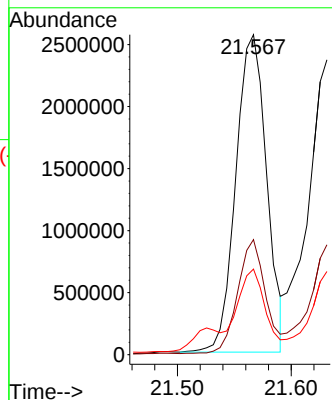
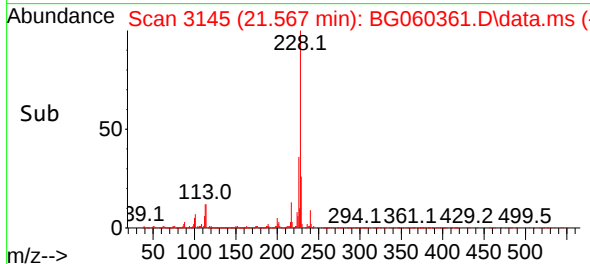
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP



Tgt Ion:228 Resp: 4813670
Ion Ratio Lower Upper
228 100
226 35.9 26.2 39.2
229 26.7 19.4 29.2

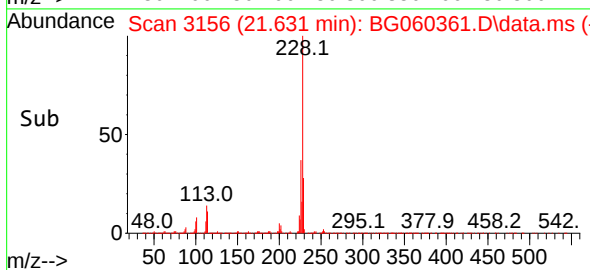
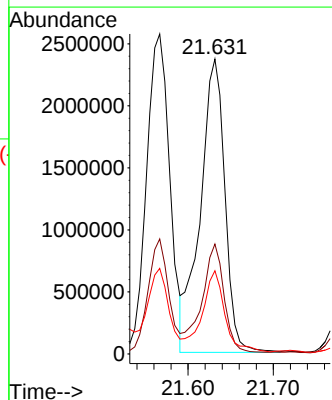
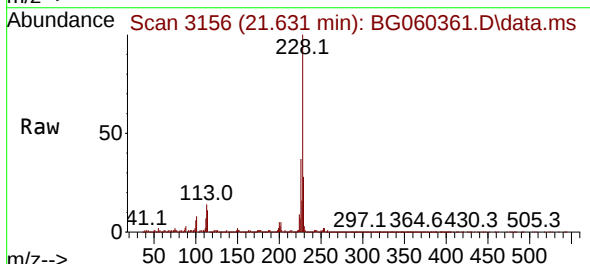
Manual Integrations
APPROVED

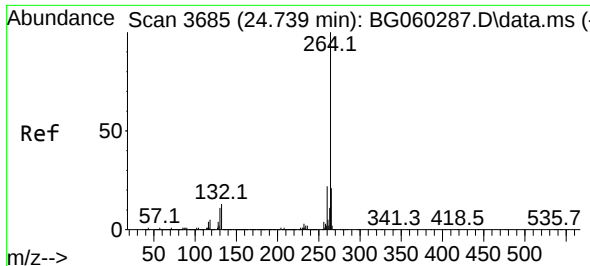
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#83
Chrysene
Concen: 52.925 ng m
RT: 21.631 min Scan# 3156
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:228 Resp: 4770929
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# 30
Delta R.T. 0.018 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :

BNA_G

ClientSampleId :

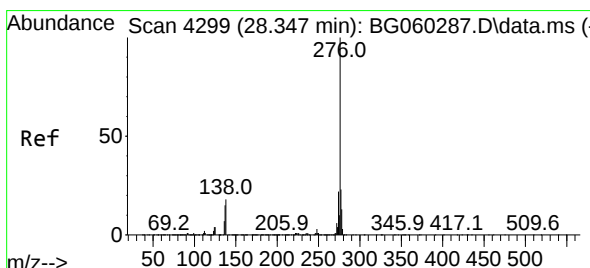
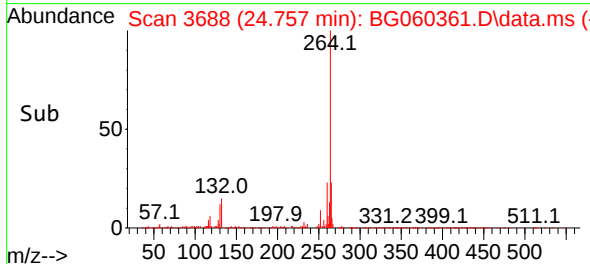
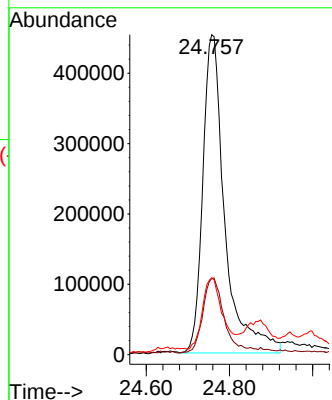
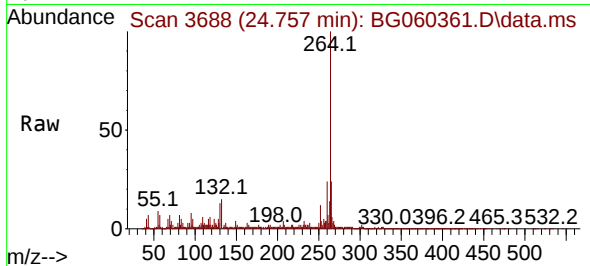
WC-A-COMP

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

Manual Integrations

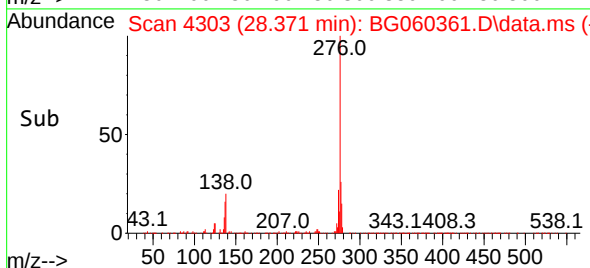
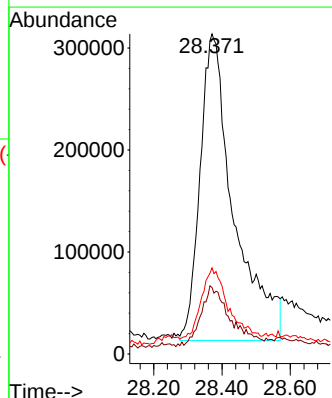
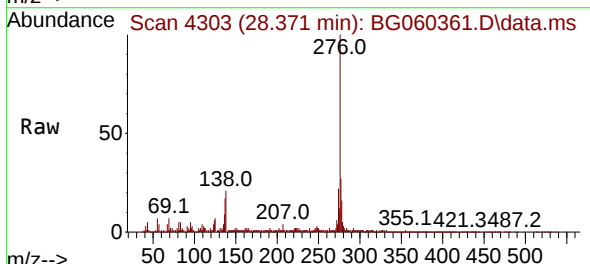
APPROVED

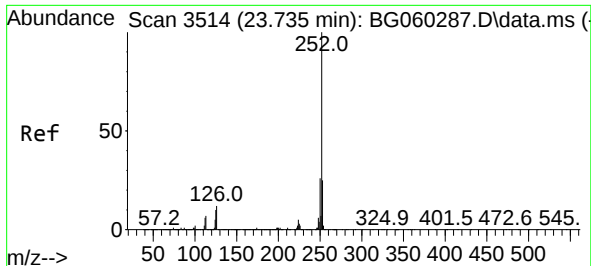
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.805 ng m
RT: 28.371 min Scan# 4303
Delta R.T. 0.024 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:276 Resp: 2061868
Ion Ratio Lower Upper
276 100
138 17.6 12.5 18.7
277 19.0 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

Instrument :

BNA_G

ClientSampleId :

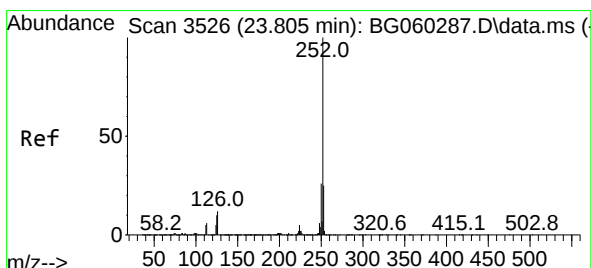
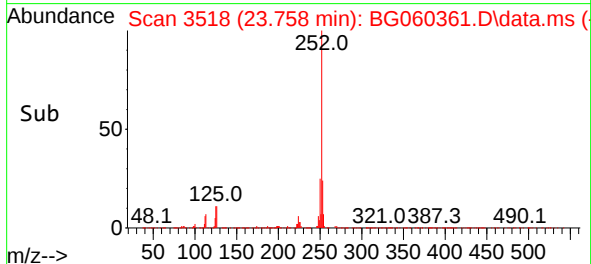
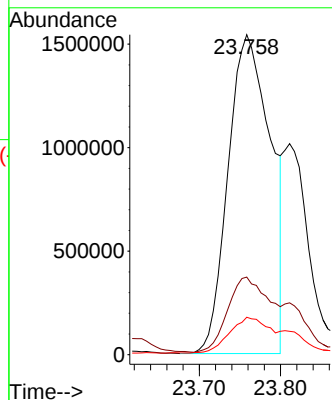
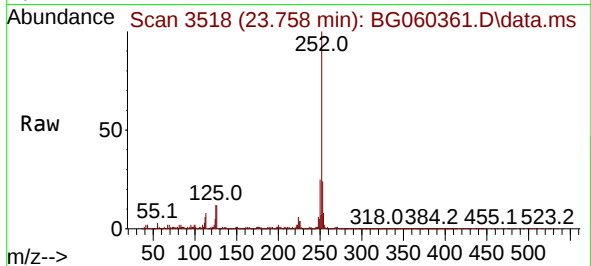
WC-A-COMP

Tgt Ion:252 Resp: 560144
Ion Ratio Lower Upper
252 100
253 24.3 20.0 30.0
125 11.7 8.1 12.1

Manual Integrations

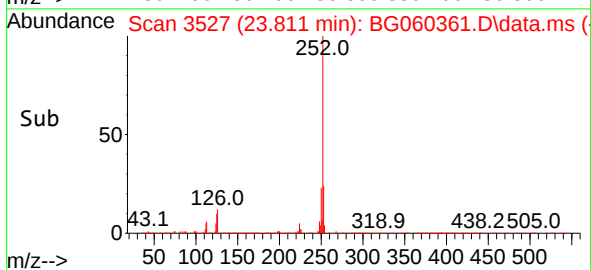
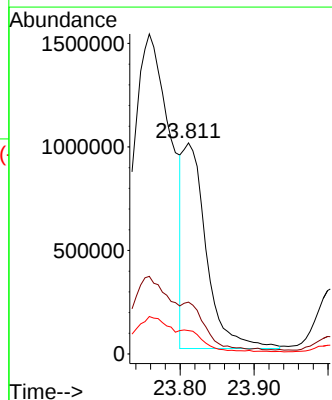
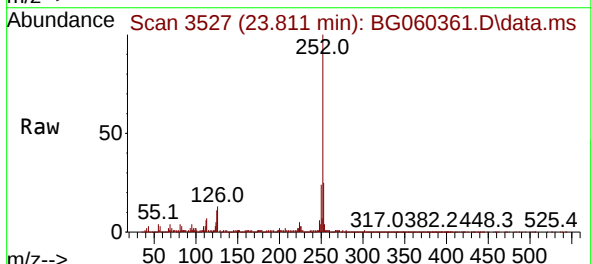
APPROVED

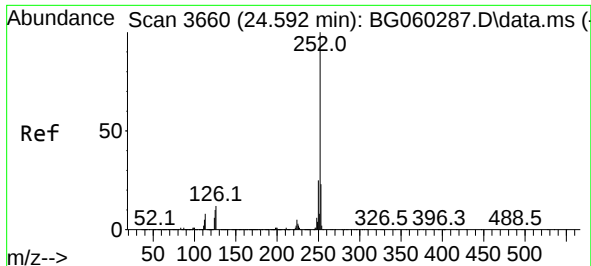
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#89
Benzo(k)fluoranthene
Concen: 22.577 ng m
RT: 23.811 min Scan# 3527
Delta R.T. 0.006 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Tgt Ion:252 Resp: 2192059
Ion Ratio Lower Upper
252 100
253 24.5 19.6 29.4
125 11.1 8.2 12.2





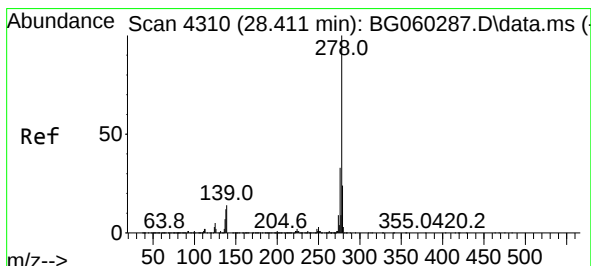
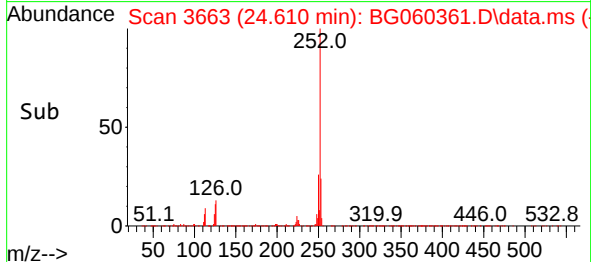
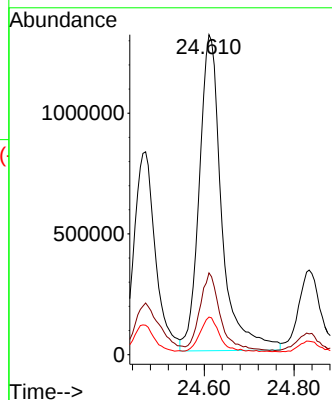
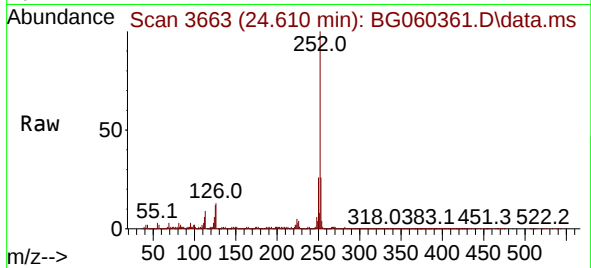
#90
Benzo(a)pyrene
Concen: 50.898 ng
RT: 24.610 min Scan# 3663
Delta R.T. 0.018 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Tgt Ion:252 Resp: 452390
Ion Ratio Lower Upper
252 100
253 25.5 18.1 27.1
125 11.8 8.1 12.1

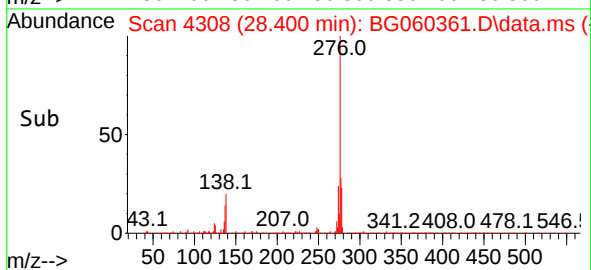
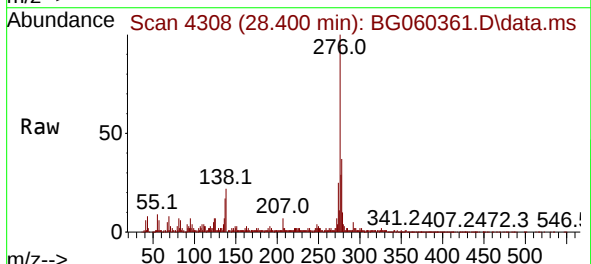
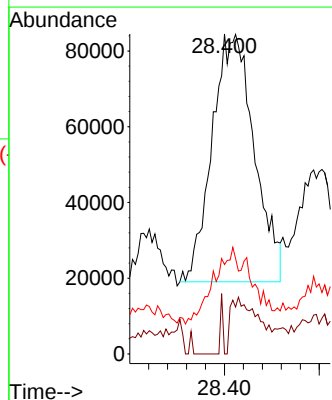
Manual Integrations
APPROVED

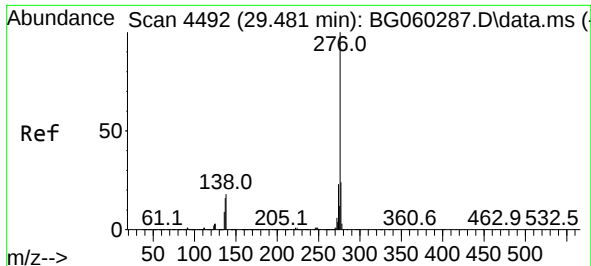
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#91
Dibenzo(a,h)anthracene
Concen: 4.273 ng
RT: 28.400 min Scan# 4308
Delta R.T. -0.011 min
Lab File: BG060361.D
Acq: 18 Jan 2024 20:53

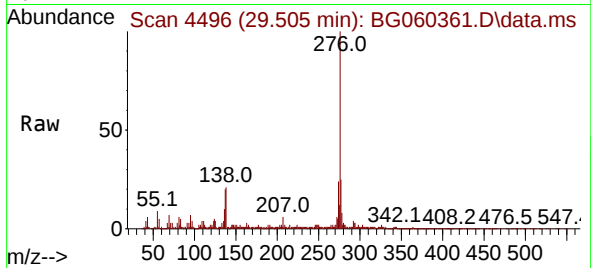
Tgt Ion:278 Resp: 404096
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 27.9 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 18.653 ng
RT: 29.505 min Scan# 44
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: 1808000
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.0
138 20.6 14.2 21.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

