

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060019.D
 Acq On : 14 Dec 2023 19:43
 Operator : MA/JU
 Sample : 05612-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06S

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 02:37:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	90638	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	322601	20.000	ng	# 0.02
39) Acenaphthene-d10	14.593	164	283979	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	848072	20.000	ng	0.00
76) Chrysene-d12	21.608	240	777151	20.000	ng	# 0.00
86) Perylene-d12	24.798	264	936186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	241275	45.569	ng	0.00
7) Phenol-d6	7.107	99	235102	31.566	ng	0.00
23) Nitrobenzene-d5	9.117	82	463903	65.297	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	707827	106.954	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1501862	64.727	ng	0.00
79) Terphenyl-d14	19.963	244	3022321	71.001	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.868	128	15969849	950.930	ng	# 11
37) 2-Methylnaphthalene	12.431	142	2225494	168.959	ng	91
38) 1-Methylnaphthalene	12.654	142	3697948m	284.215	ng	
46) 1,1'-Biphenyl	13.424	154	379309	18.011	ng	98
49) Acenaphthylene	14.311	152	54001	2.164	ng	# 68
52) Acenaphthene	14.663	154	2232605	130.001	ng	97
55) Dibenzofuran	14.992	168	133178	4.764	ng	# 97
58) Fluorene	15.639	166	719607	30.529	ng	98
70) Pentachlorophenol	16.984	266	75694	8.353	ng	96
71) Phenanthrene	17.384	178	1102594	26.841	ng	99
72) Anthracene	17.472	178	196317	4.753	ng	99
73) Carbazole	17.742	167	213409	6.080	ng	99
78) Pyrene	19.757	202	128596	2.730	ng	97

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

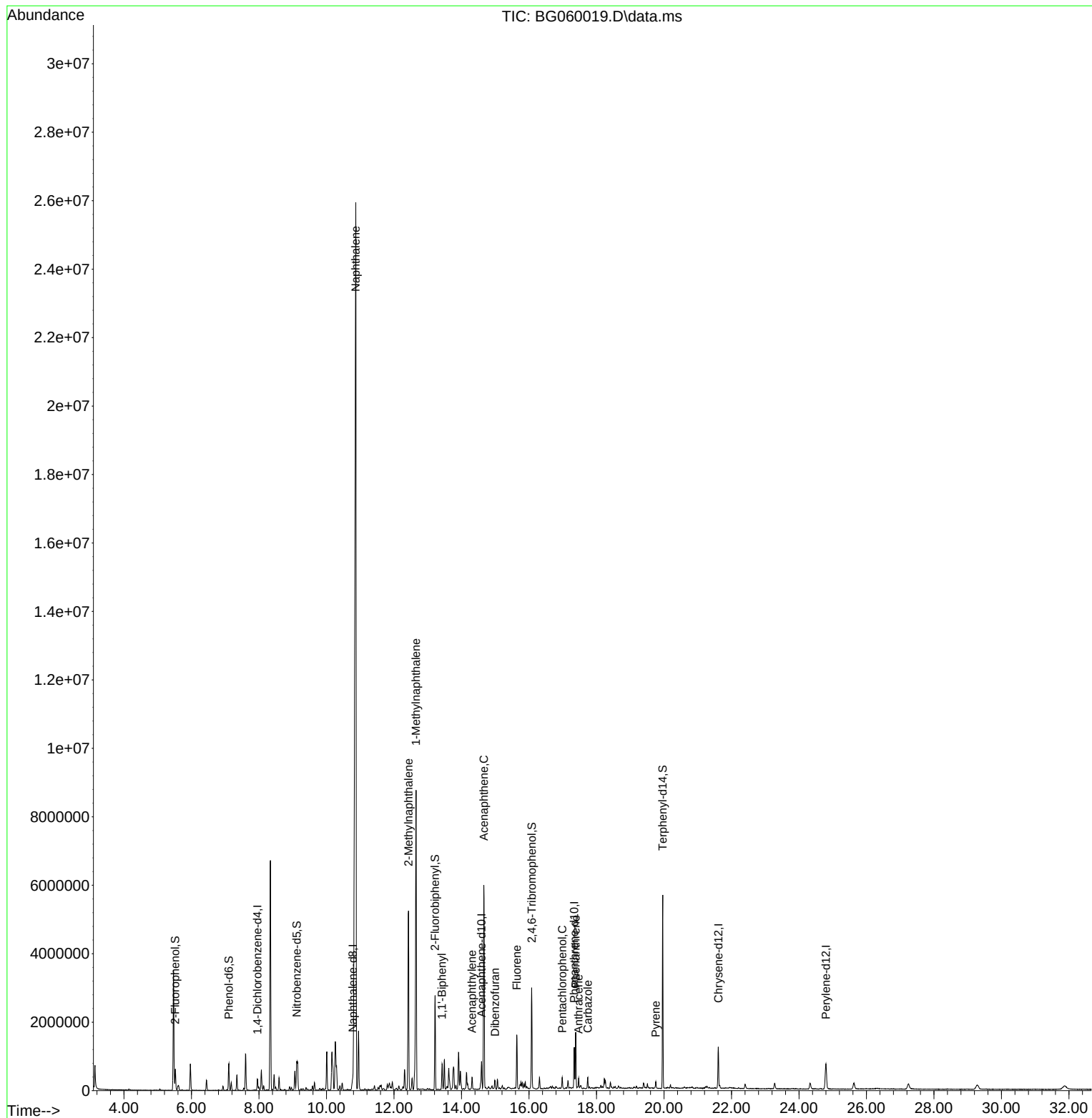
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
Data File : BG060019.D
Acq On : 14 Dec 2023 19:43
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Sample : 05612-05
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ALS Vial : 8 Sample Multiplier: 1

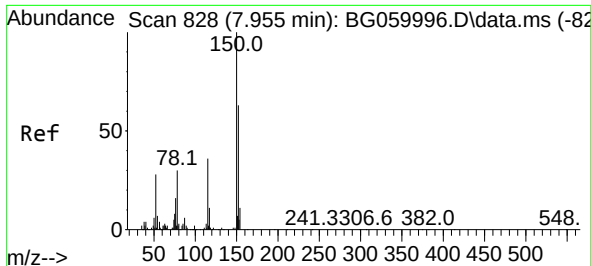
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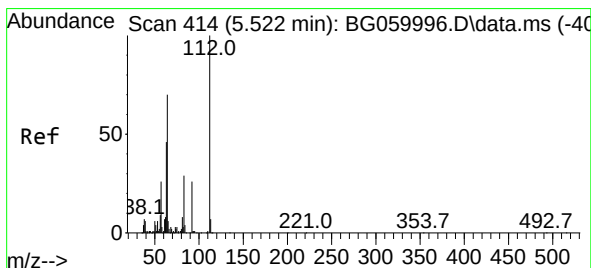
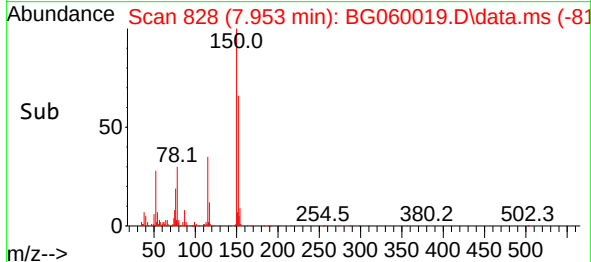
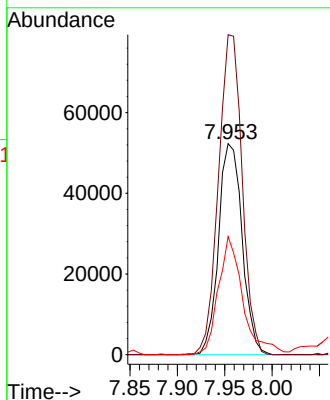
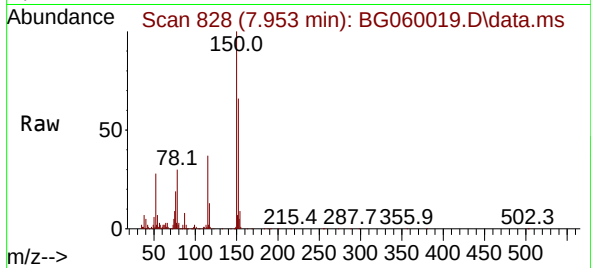
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :
BNA_G
ClientSampleId :
MW-06S

Tgt Ion:152 Resp: 90638
Ion Ratio Lower Upper
152 100
150 151.6 127.0 190.6
115 55.9 45.7 68.5

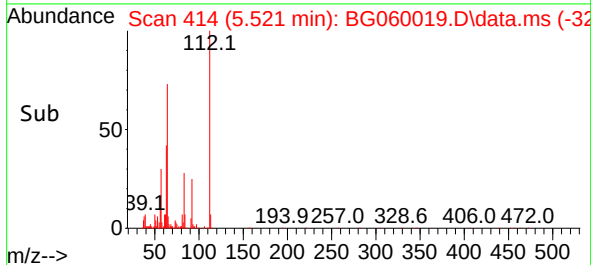
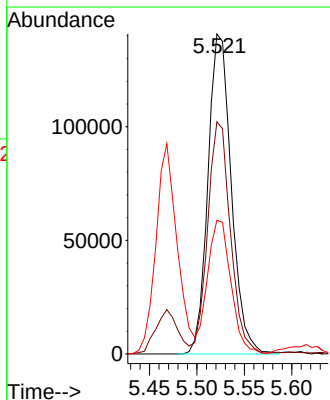
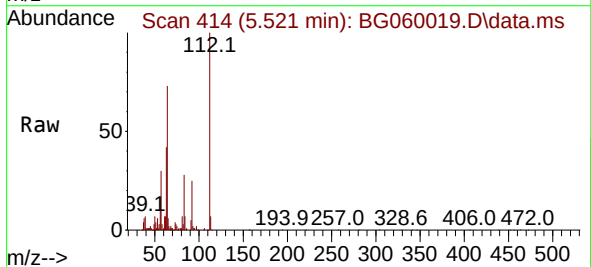
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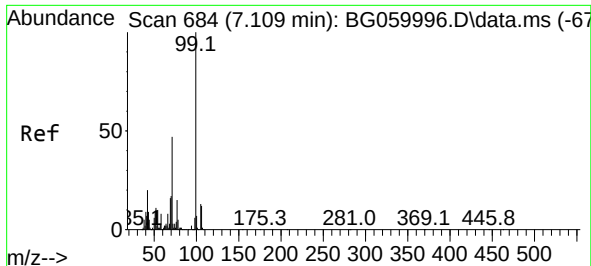
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#5
2-Fluorophenol
Concen: 45.569 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:112 Resp: 241275
Ion Ratio Lower Upper
112 100
64 72.6 55.9 83.9
63 41.8 36.5 54.7





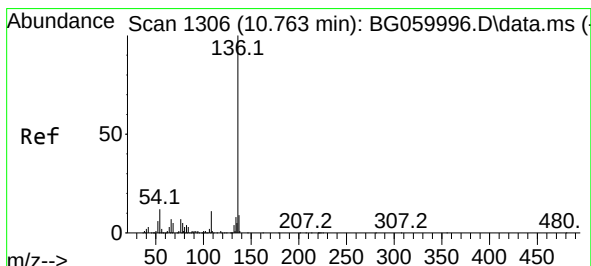
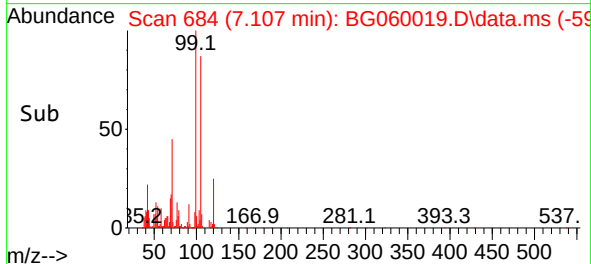
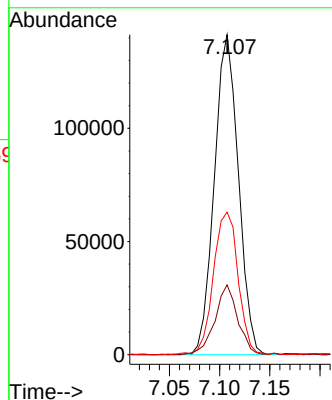
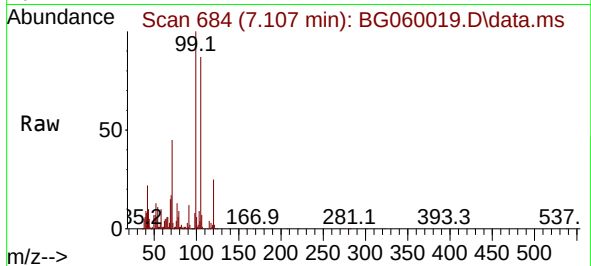
#7
Phenol-d6
Concen: 31.566 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :
BNA_G
ClientSampleId :
MW-06S

Tgt Ion: 99 Resp: 235102
Ion Ratio Lower Upper
99 100
42 21.8 16.2 24.4
71 44.5 37.6 56.4

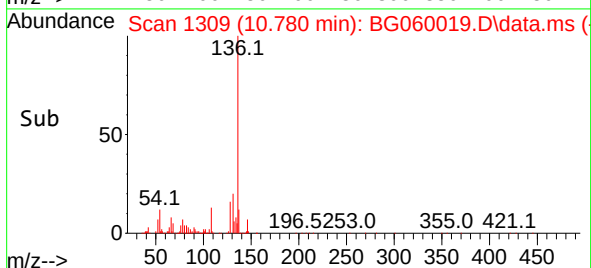
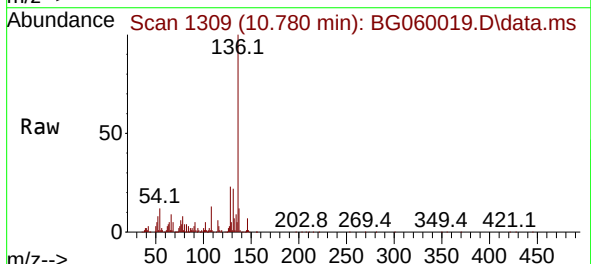
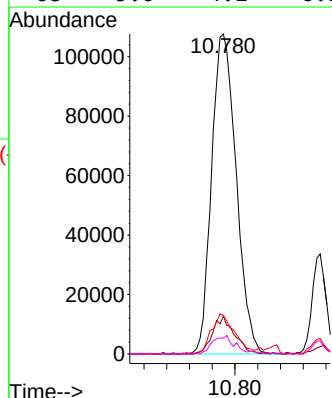
Manual Integrations
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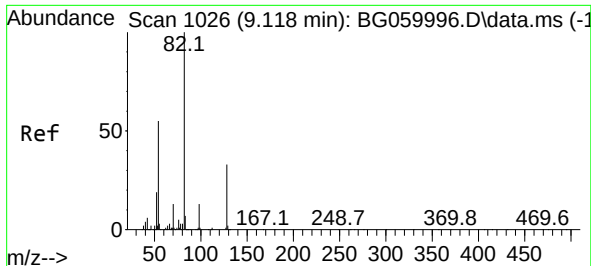
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1309
Delta R.T. 0.016 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:136 Resp: 322601
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 12.0 9.6 14.4
68 5.0 4.1 6.1





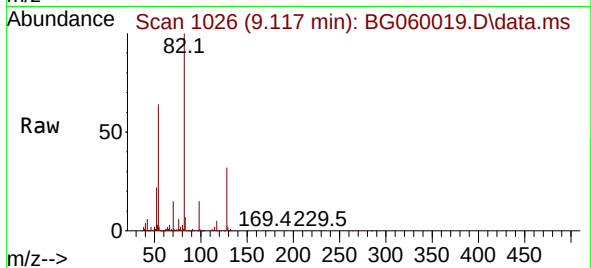
#23
Nitrobenzene-d5
Concen: 65.297 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S



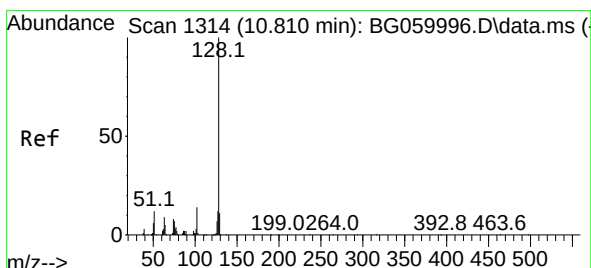
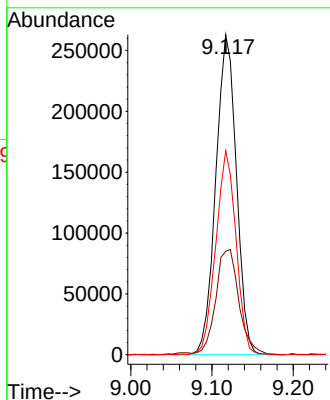
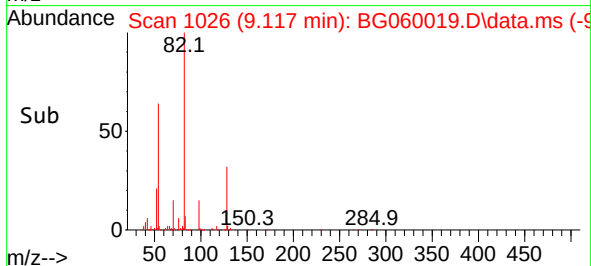
Tgt Ion: 82 Resp: 46390
Ion Ratio Lower Upper
82 100
128 32.3 26.3 39.5
54 63.8 44.3 66.5

Manual Integrations

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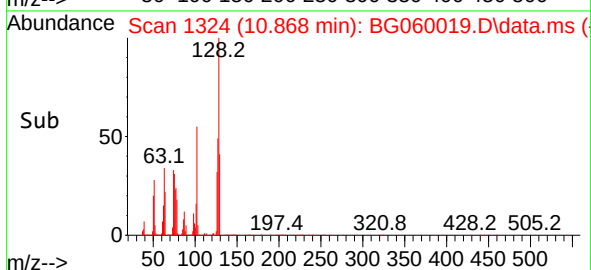
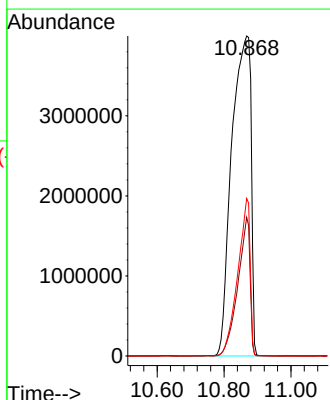
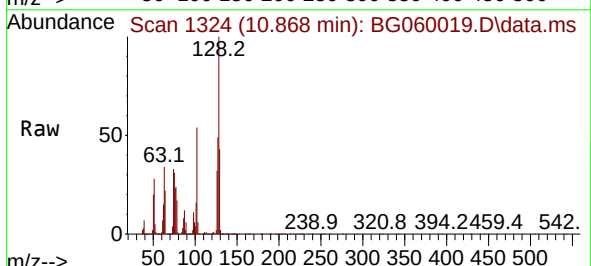
Reviewed By :Yogesh Patel 12/15/2023

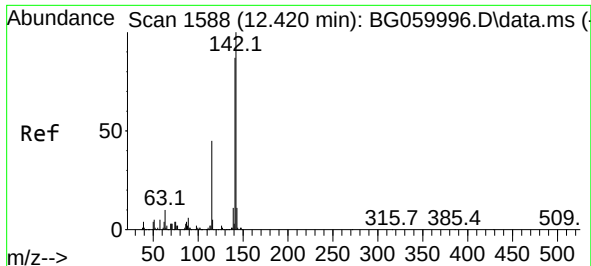
Supervised By :mohammad ahmed 12/16/2023



#31
Naphthalene
Concen: 950.930 ng
RT: 10.868 min Scan# 1324
Delta R.T. 0.057 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:128 Resp:15969849
Ion Ratio Lower Upper
128 100
129 43.3 9.2 13.8#
127 49.2 9.7 14.5#





#37

2-Methylnaphthalene

Concen: 168.959 ng

RT: 12.431 min Scan# 1

Delta R.T. 0.010 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

Tgt Ion:142 Resp: 2225494

Ion Ratio Lower Upper

142 100

141 93.5 69.9 104.9

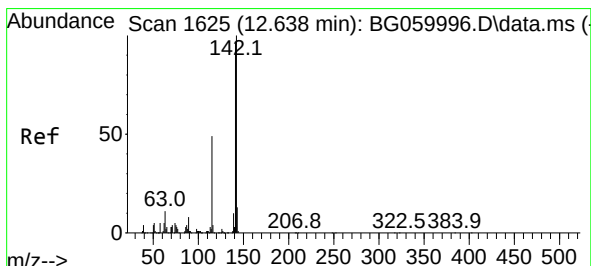
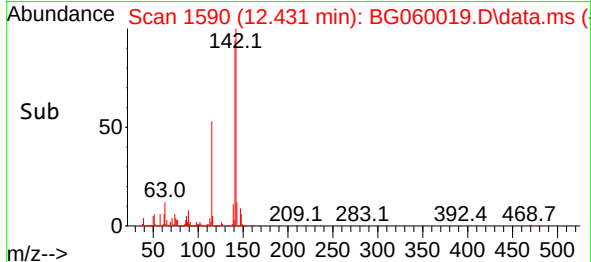
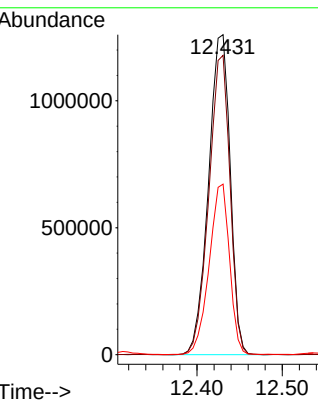
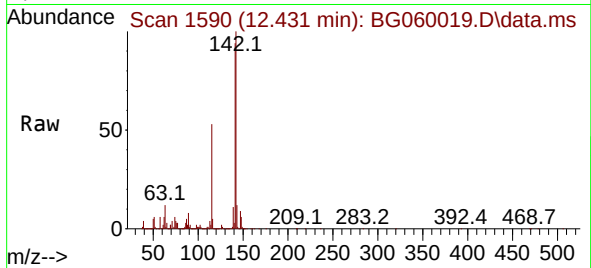
115 53.3 36.1 54.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/16/2023



#38

1-Methylnaphthalene

Concen: 284.215 ng m

RT: 12.654 min Scan# 1628

Delta R.T. 0.016 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

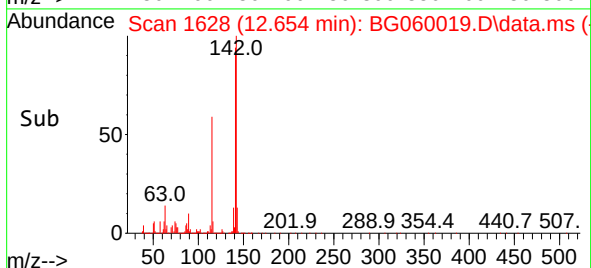
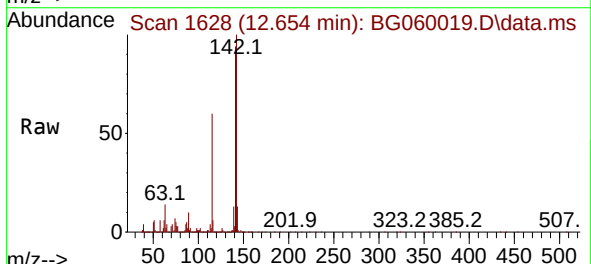
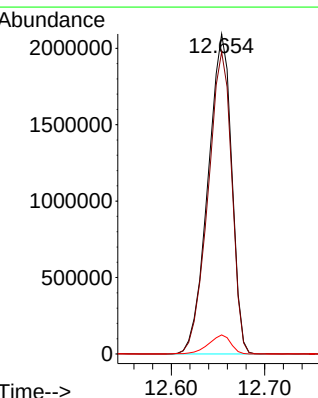
Tgt Ion:142 Resp: 3697948

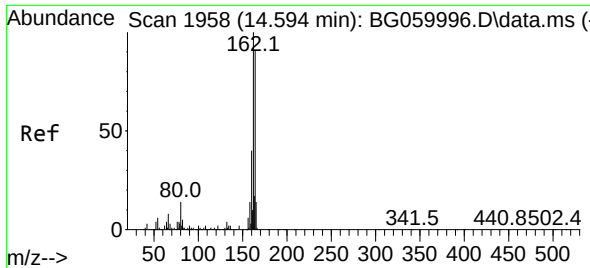
Ion Ratio Lower Upper

142 100

141 94.4 76.9 115.3

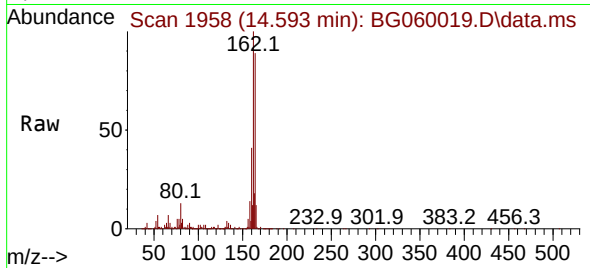
116 6.0 3.5 5.3#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

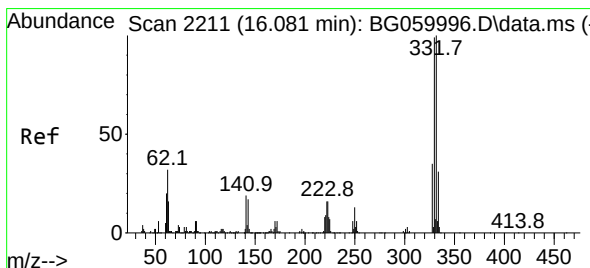
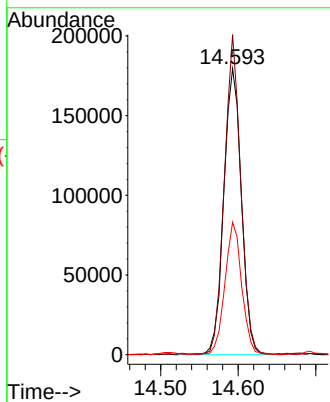
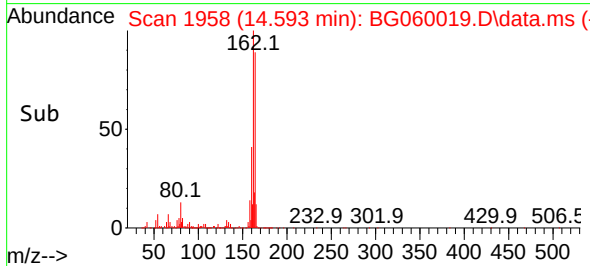
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ClientSampleId :
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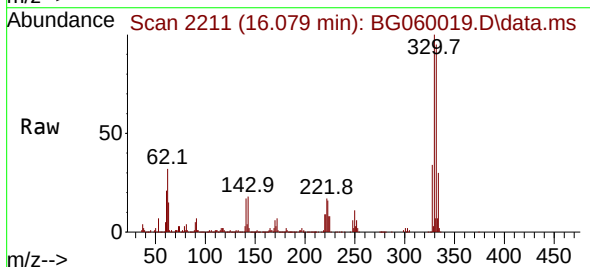
Tgt Ion:164 Resp: 283979
Ion Ratio Lower Upper
164 100
162 111.9 88.1 132.1
160 46.3 35.4 53.0

Manual Integrations
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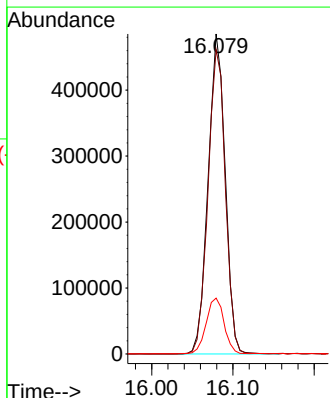
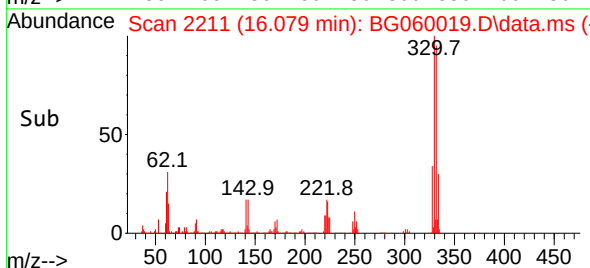
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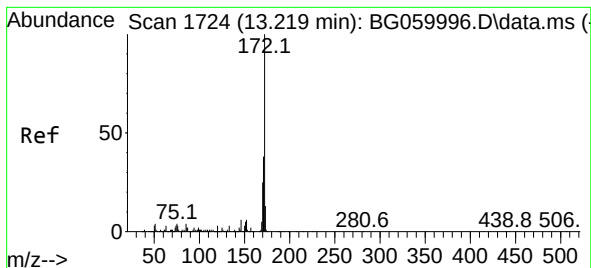


#42
2,4,6-Tribromophenol
Concen: 106.954 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43



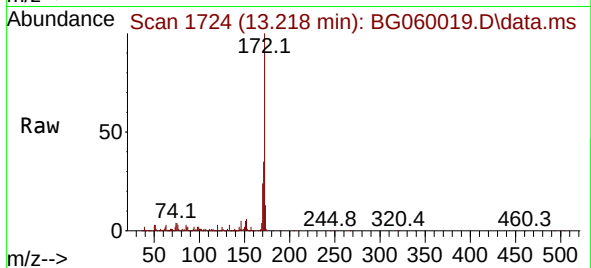
Tgt Ion:330 Resp: 707827
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 18.2 14.3 21.5





#45
2-Fluorobiphenyl
Concen: 64.727 ng
RT: 13.218 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

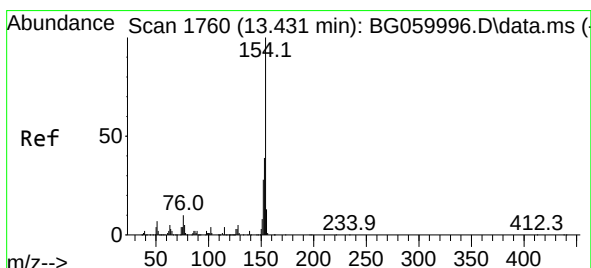
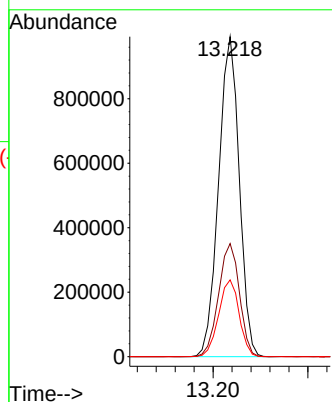
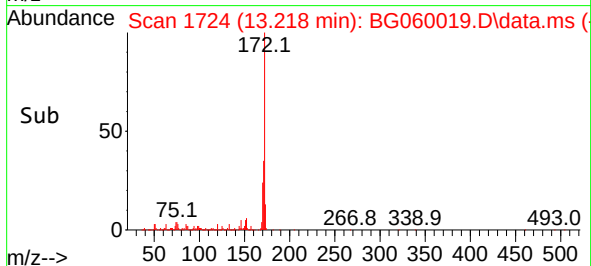
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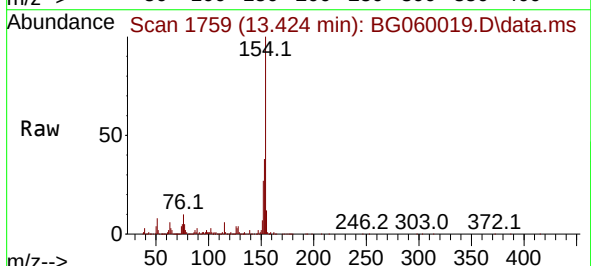
Tgt Ion:172 Resp: 150186
Ion Ratio Lower Upper
172 100
171 35.4 30.1 45.1
170 24.0 20.0 30.0

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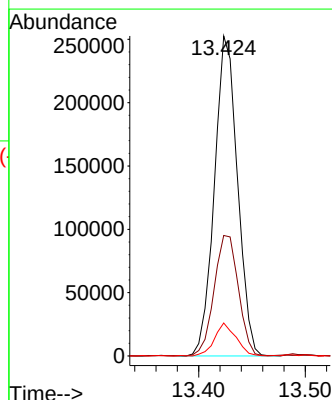
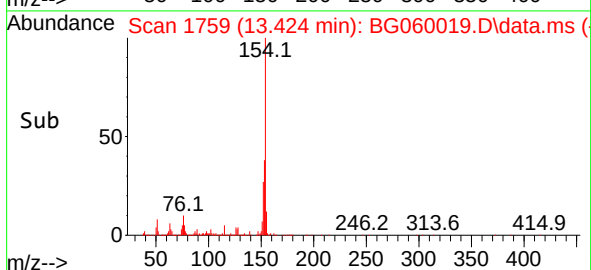
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023

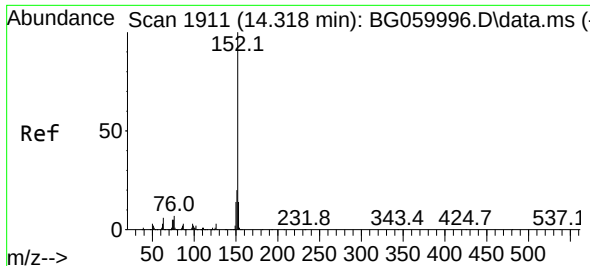


#46
1,1'-Biphenyl
Concen: 18.011 ng
RT: 13.424 min Scan# 1759
Delta R.T. -0.007 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43



Tgt Ion:154 Resp: 379309
Ion Ratio Lower Upper
154 100
153 37.7 19.2 59.2
76 10.3 0.0 29.9





#49
Acenaphthylene
Concen: 2.164 ng
RT: 14.311 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

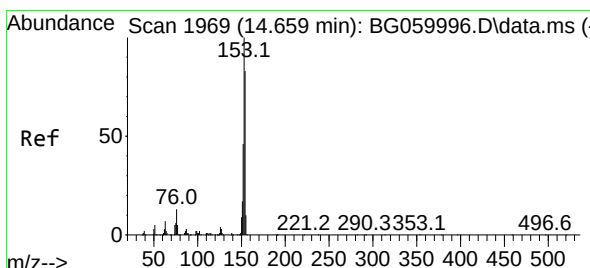
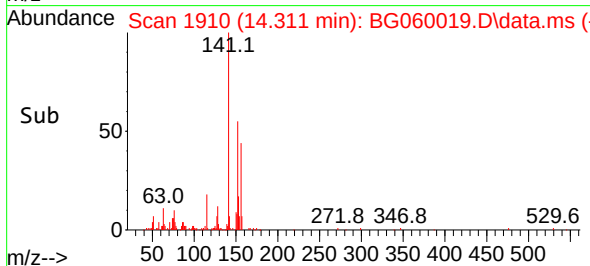
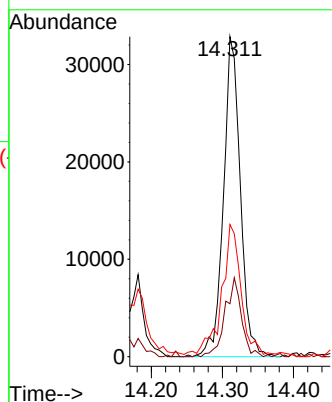
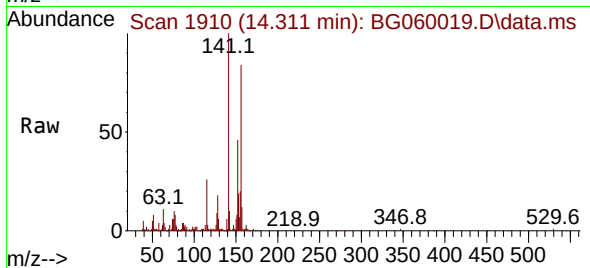
MW-06S

Tgt Ion:152 Resp: 5400
Ion Ratio Lower Upper
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151 16.6 15.8 23.8
153 41.3 11.0 16.4

Manual Integrations

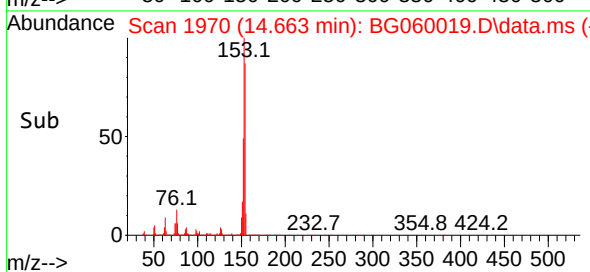
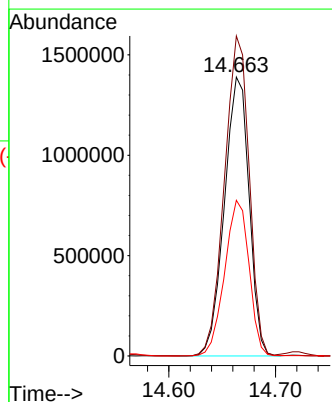
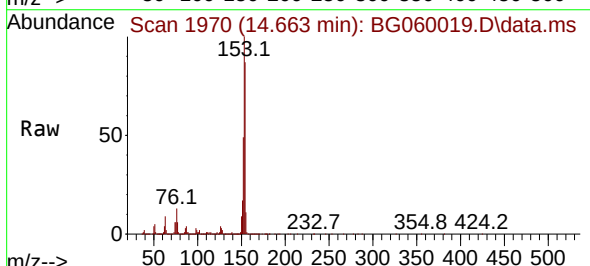
APPROVED

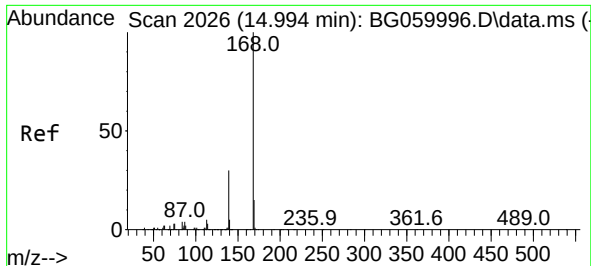
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 130.001 ng
RT: 14.663 min Scan# 1970
Delta R.T. 0.005 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

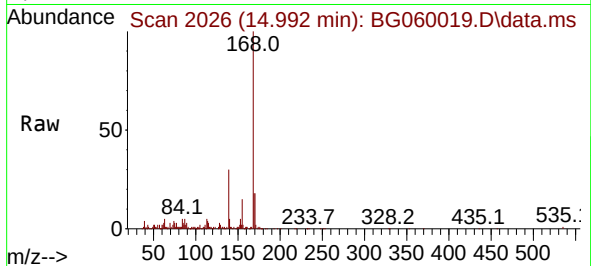
Tgt Ion:154 Resp: 2232605
Ion Ratio Lower Upper
154 100
153 114.7 96.0 144.0
152 55.8 44.3 66.5





#55
Dibenzenofuran
Concen: 4.764 ng
RT: 14.992 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

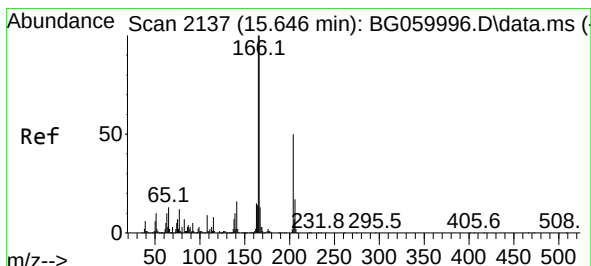
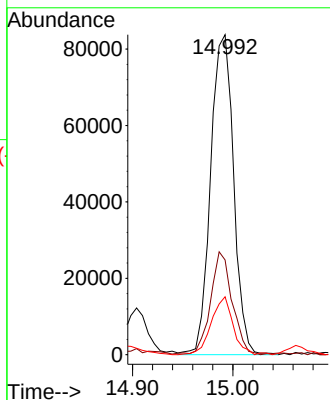
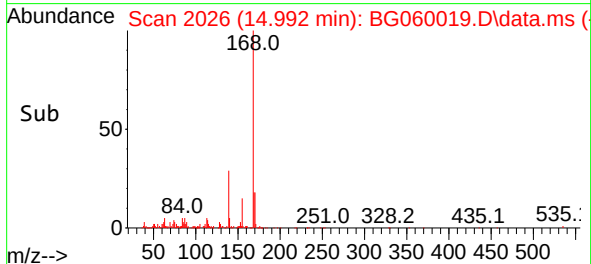
Instrument :
BNA_G
ClientSampleId :
MW-06S



Tgt Ion:168 Resp: 133178
Ion Ratio Lower Upper
168 100
139 29.6 24.0 36.0
169 18.1 11.8 17.8

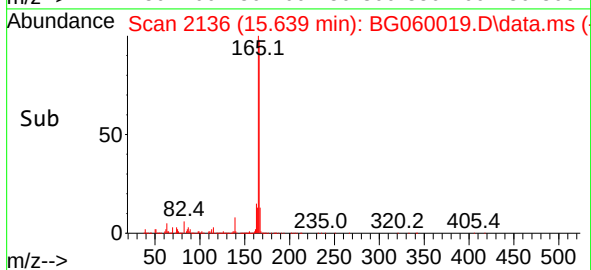
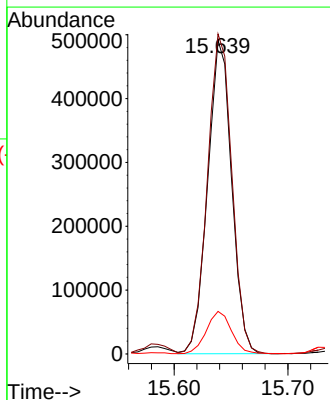
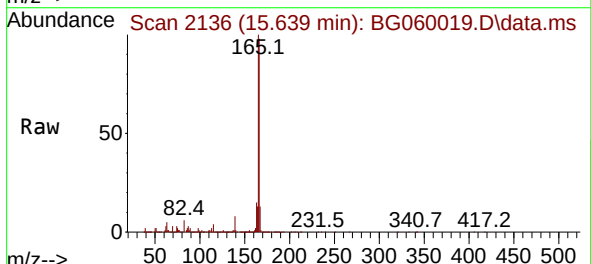
Manual Integrations
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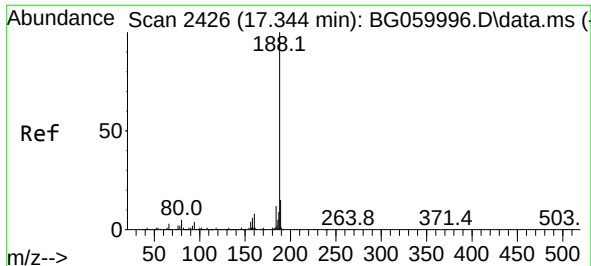
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#58
Fluorene
Concen: 30.529 ng
RT: 15.639 min Scan# 2136
Delta R.T. -0.007 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:166 Resp: 719607
Ion Ratio Lower Upper
166 100
165 102.0 80.2 120.2
167 13.6 10.3 15.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

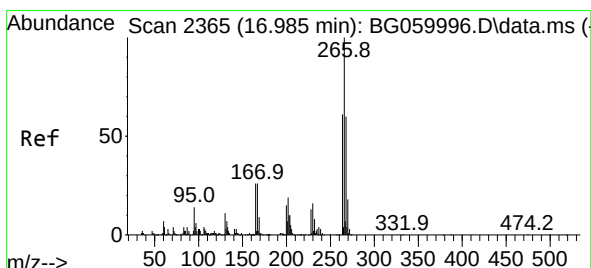
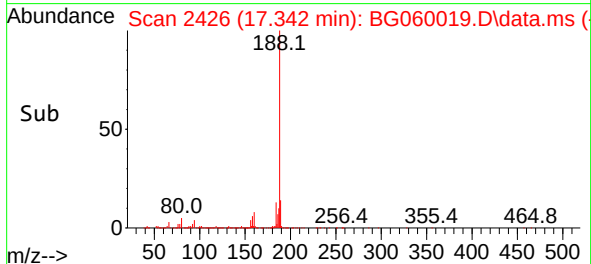
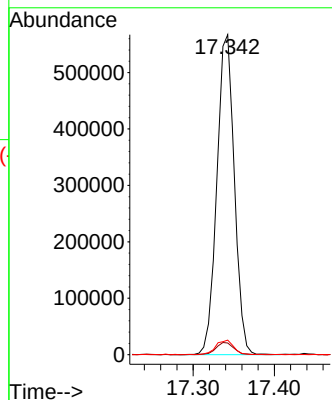
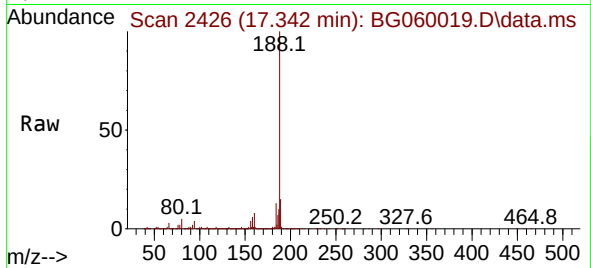
ClientSampleId :

MW-06S

Tgt Ion:188 Resp: 848072
Ion Ratio Lower Upper
188 100
94 3.7 3.0 4.6
80 4.6 4.0 6.0

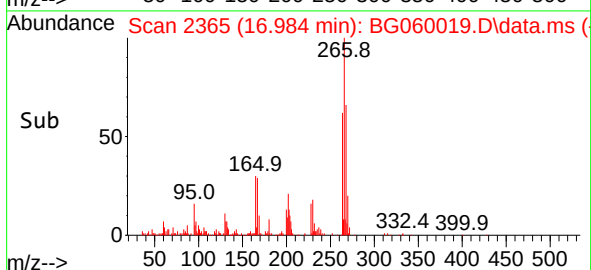
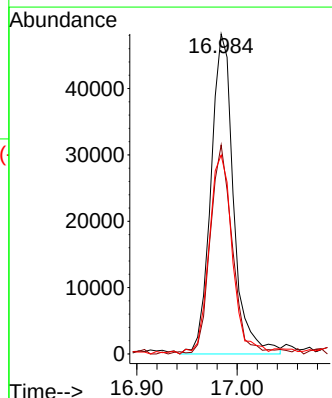
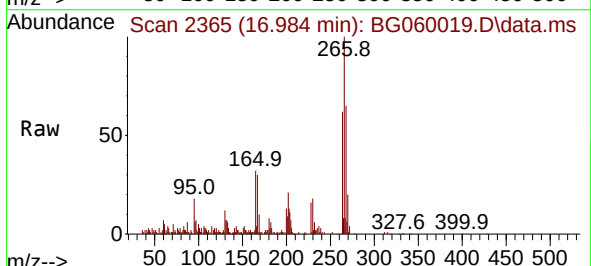
Manual Integrations
APPROVED

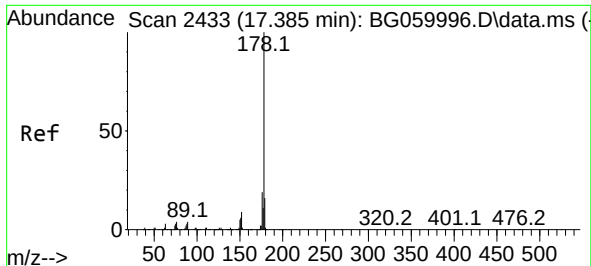
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#70
Pentachlorophenol
Concen: 8.353 ng
RT: 16.984 min Scan# 2365
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:266 Resp: 75694
Ion Ratio Lower Upper
266 100
268 65.3 47.9 71.9
264 62.2 48.8 73.2





#71
Phenanthrene
Concen: 26.841 ng
RT: 17.384 min Scan# 2433
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

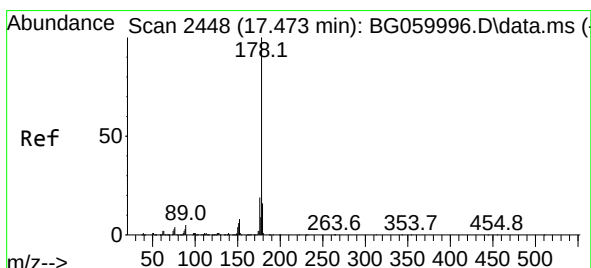
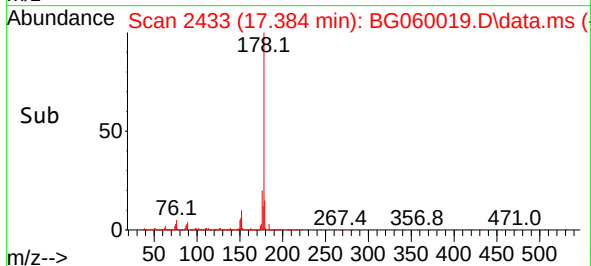
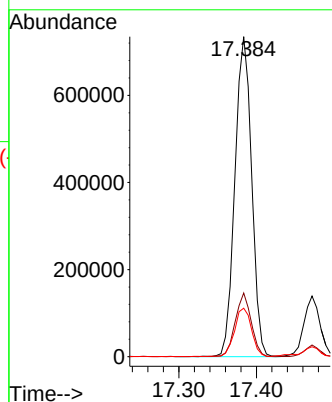
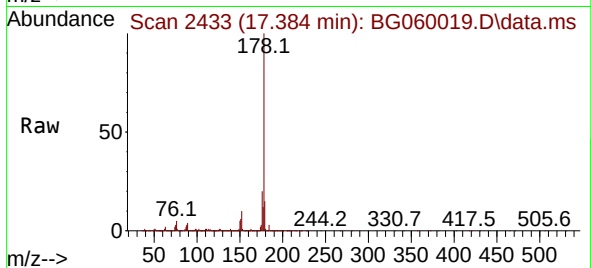
MW-06S

Tgt Ion:178 Resp: 1102594
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.1 12.6 19.0

Manual Integrations

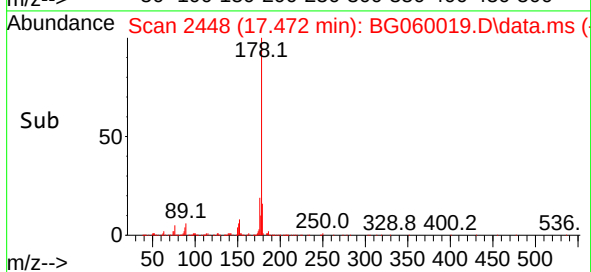
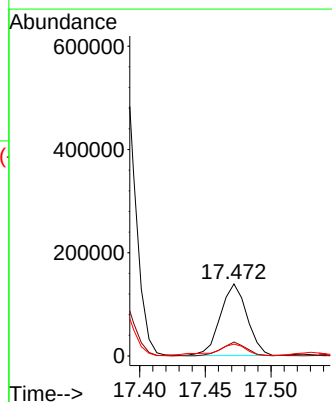
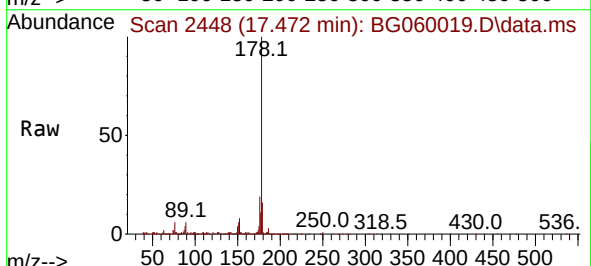
APPROVED

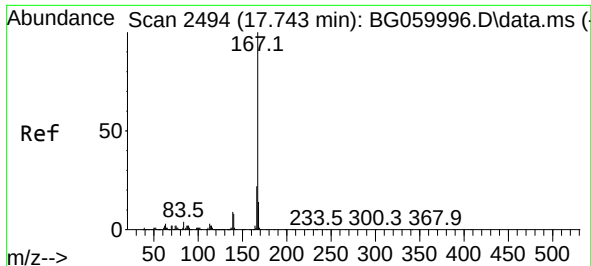
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/16/2023



#72
Anthracene
Concen: 4.753 ng
RT: 17.472 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

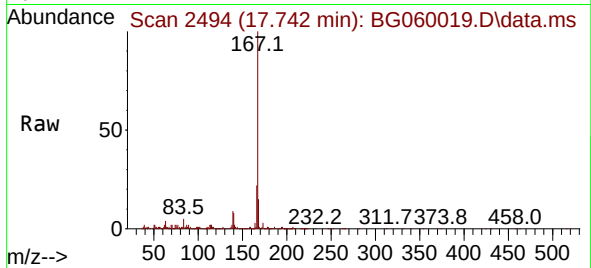
Tgt Ion:178 Resp: 196317
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 16.4 12.6 19.0





#73
 Carbazole
 Concen: 6.080 ng
 RT: 17.742 min Scan# 2494
 Delta R.T. -0.001 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

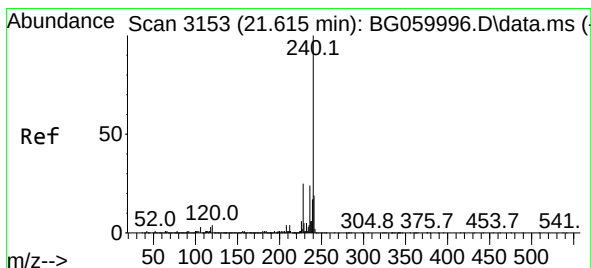
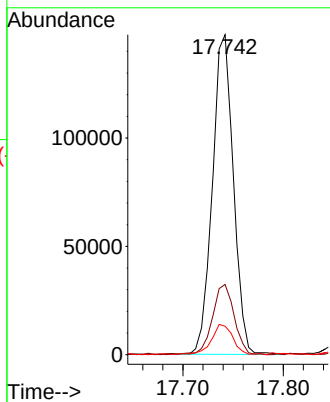
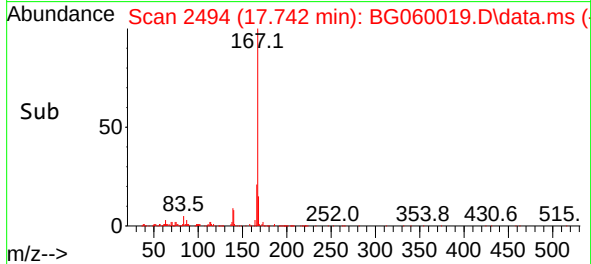
Instrument :
 BNA_G
 ClientSampleId :
 MW-06S



Tgt Ion:167 Resp: 213409
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 8.9 7.5 11.3

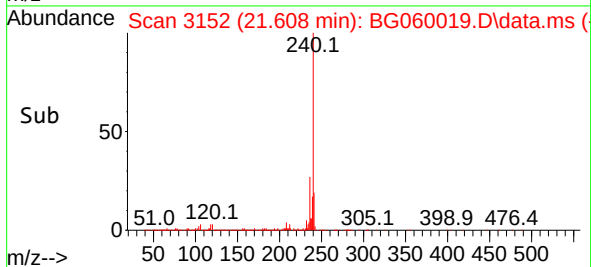
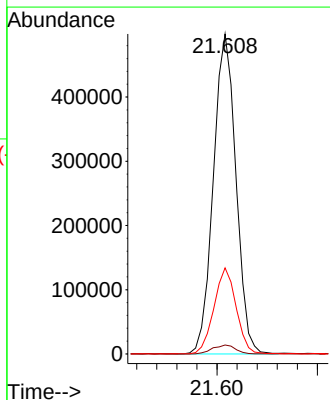
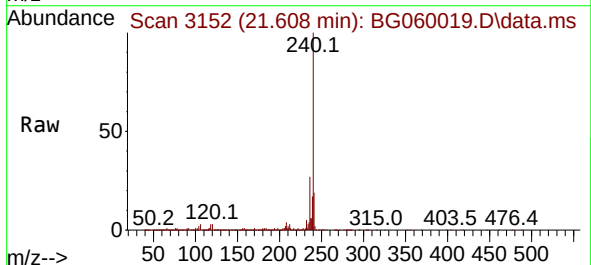
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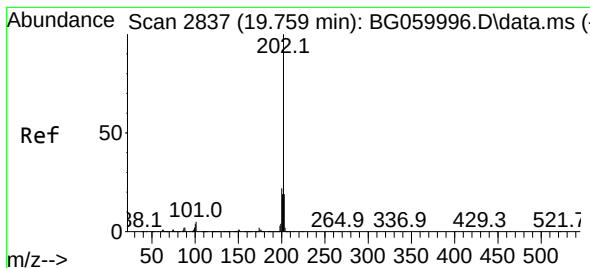
Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/16/2023



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.608 min Scan# 3152
 Delta R.T. -0.007 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

Tgt Ion:240 Resp: 777151
 Ion Ratio Lower Upper
 240 100
 120 2.8 2.9 4.3#
 236 26.9 19.4 29.2





#78

Pyrene

Concen: 2.730 ng

RT: 19.757 min Scan# 2837

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

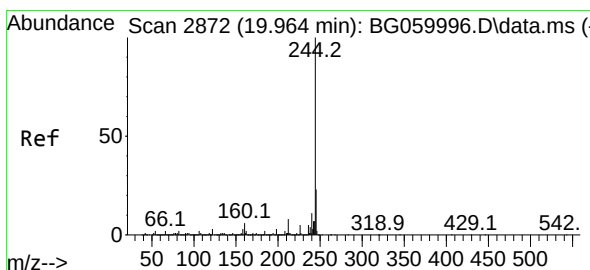
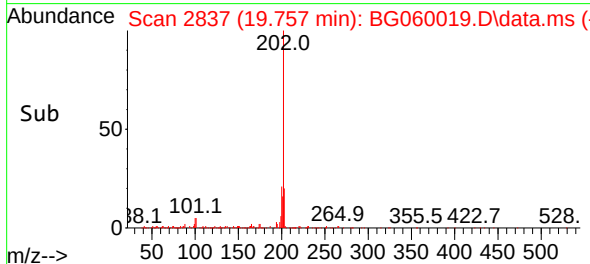
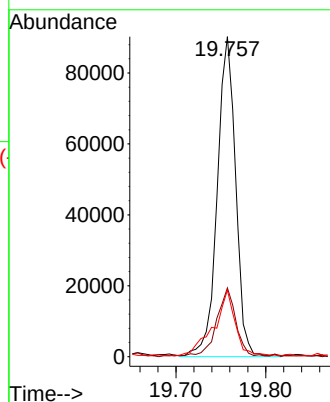
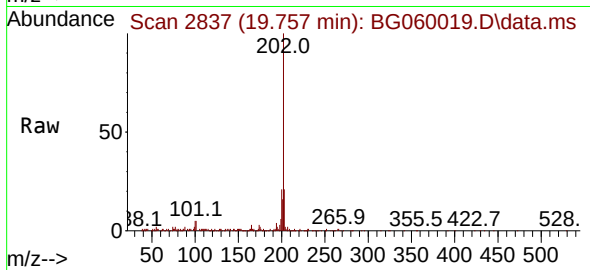
Tgt Ion:	202	Resp:	128590
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	20.8	14.9	22.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/16/2023



#79

Terphenyl-d14

Concen: 71.001 ng

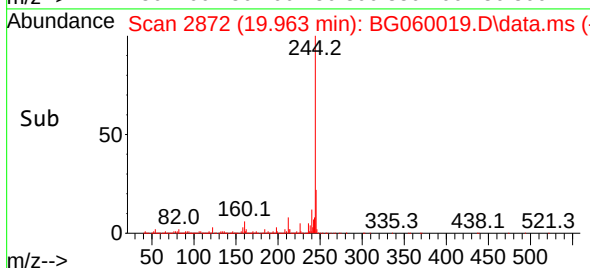
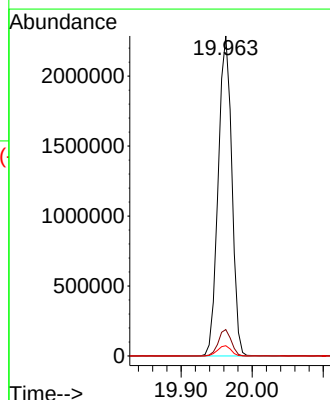
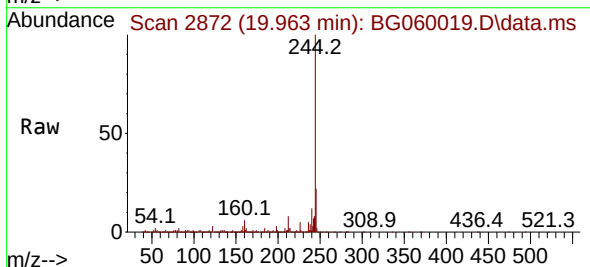
RT: 19.963 min Scan# 2872

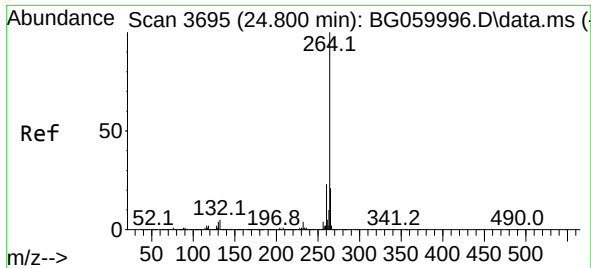
Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

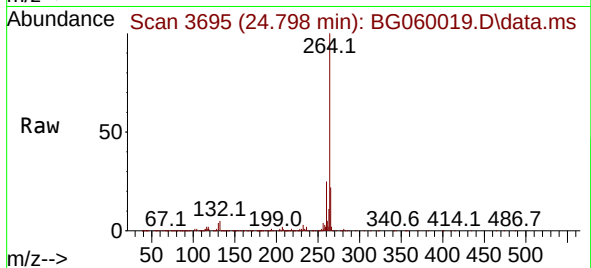
Tgt Ion:	244	Resp:	3022321
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.8	10.2
122	3.2	2.6	3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

Instrument :
 BNA_G
 ClientSampleId :
 MW-06S



Tgt Ion:264 Resp: 936180
 Ion Ratio Lower Upper
 264 100
 260 25.1 18.5 27.7
 265 21.8 17.3 25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/16/2023

