

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060078.D
 Acq On : 18 Dec 2023 22:58
 Operator : MA/JU
 Sample : 05592-02DL 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 04:43:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	67110	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	249036	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	214406	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	610727	20.000	ng	# 0.00
76) Chrysene-d12	21.609	240	704208	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	791734	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	736	0.188	ng	0.00
7) Phenol-d6	7.109	99	924	0.168	ng	0.00
23) Nitrobenzene-d5	9.124	82	334	0.061	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	334	0.067	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	3019	0.172	ng	0.00
79) Terphenyl-d14	19.958	244	8482	0.220	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.816	128	1571728	121.235	ng	97
37) 2-Methylnaphthalene	12.420	142	501341	49.305	ng	98
38) 1-Methylnaphthalene	12.638	142	302328	30.100	ng	95
46) 1,1'-Biphenyl	13.425	154	81025	5.096	ng	98
49) Acenaphthylene	14.312	152	356201	18.910	ng	99
52) Acenaphthene	14.653	154	68896	5.313	ng	99
58) Fluorene	15.640	166	197771	11.113	ng	98
71) Phenanthrene	17.385	178	1049562	35.480	ng	98
72) Anthracene	17.473	178	276098	9.283	ng	97
75) Fluoranthene	19.394	202	478509	11.085	ng	99
78) Pyrene	19.759	202	741533	17.371	ng	99
81) Benzo(a)anthracene	21.592	228	289870m	6.128	ng	
83) Chrysene	21.656	228	243242	5.428	ng	95
88) Benzo(b)fluoranthene	23.789	252	175825	3.596	ng	# 92
90) Benzo(a)pyrene	24.647	252	222615	5.139	ng	# 96
92) Benzo(g,h,i)perylene	29.565	276	105187m	2.238	ng	

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

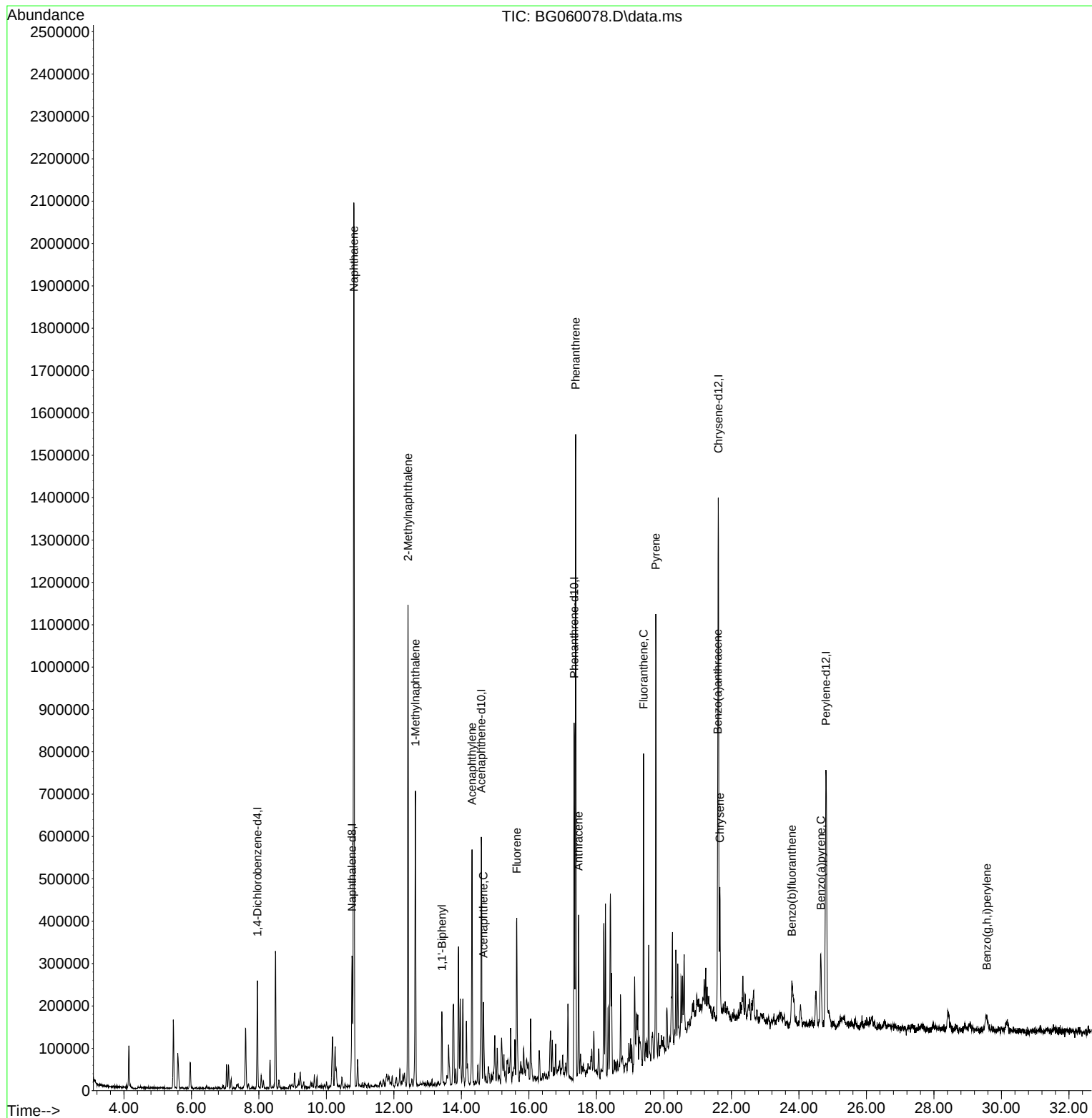
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
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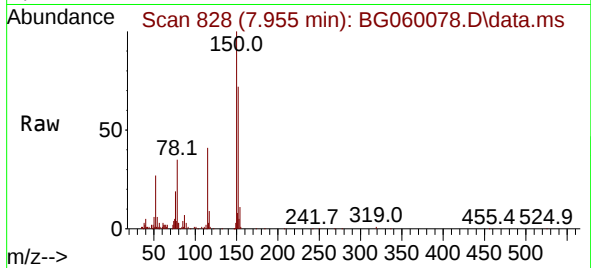
Quant Time: Dec 19 04:43:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 828
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

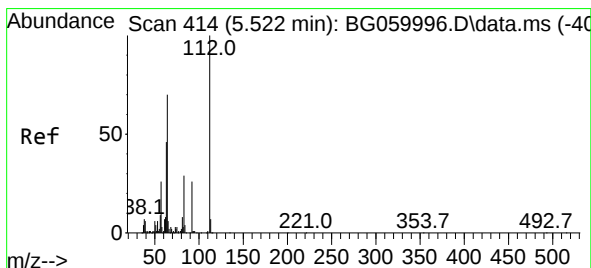
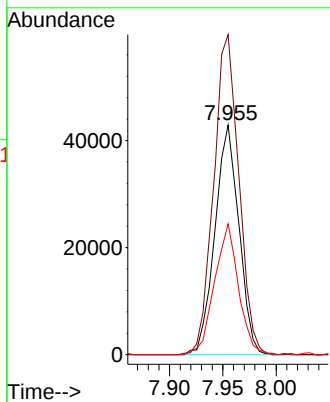
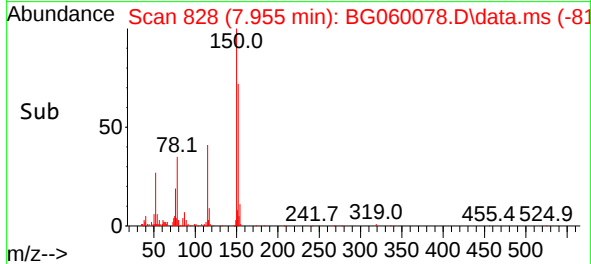
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL



Tgt Ion:152 Resp: 67110
Ion Ratio Lower Upper
152 100
150 139.4 127.0 190.6
115 57.0 45.7 68.5

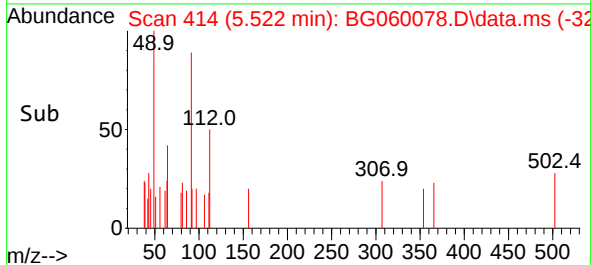
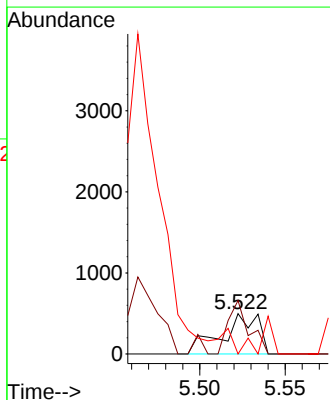
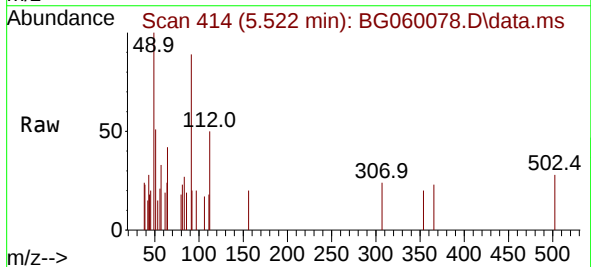
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Supervised By :mohammad ahmed 12/20/2023



#5
2-Fluorophenol
Concen: 0.188 ng
RT: 5.522 min Scan# 414
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

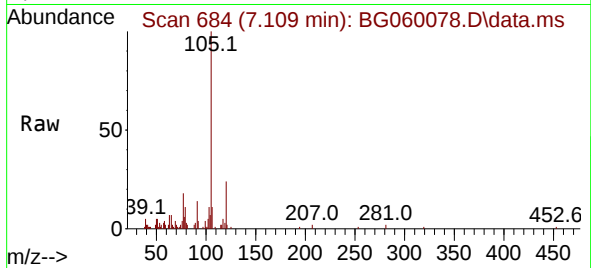
Tgt Ion:112 Resp: 736
Ion Ratio Lower Upper
112 100
64 132.5 55.9 83.9#
63 48.2 36.5 54.7





#7
Phenol-d6
Concen: 0.168 ng
RT: 7.109 min Scan# 684
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

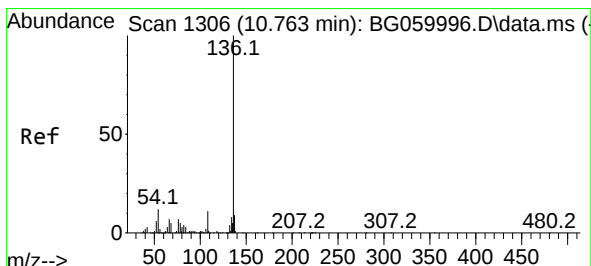
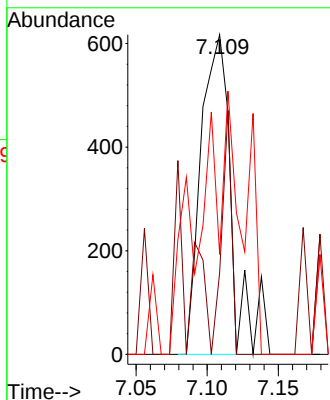
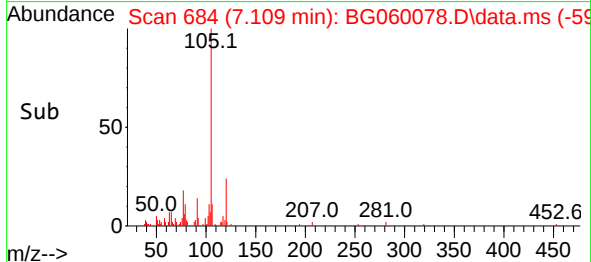
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL



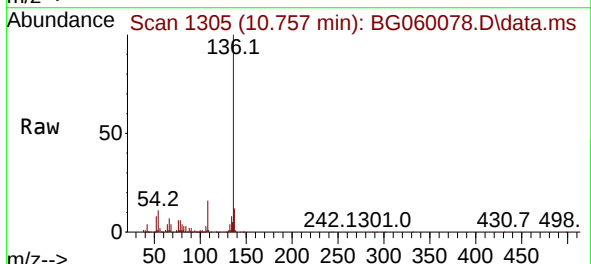
Tgt Ion: 99 Resp: 924
Ion Ratio Lower Upper
99 100
42 25.6 16.2 24.4#
71 31.3 37.6 56.4#

Manual Integrations
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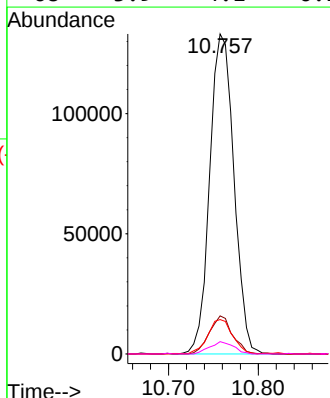
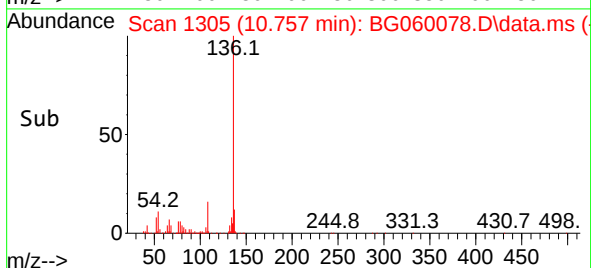
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Supervised By :mohammad ahmed 12/20/2023

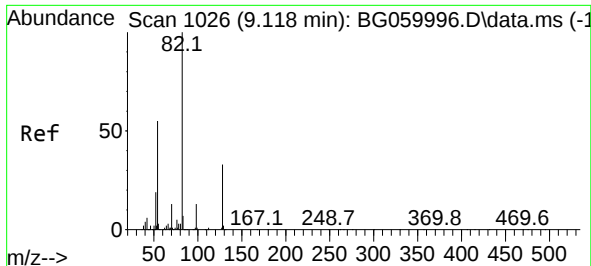


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1305
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58



Tgt Ion:136 Resp: 249036
Ion Ratio Lower Upper
136 100
137 11.9 7.3 10.9#
54 10.8 9.6 14.4
68 3.9 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 0.061 ng
RT: 9.124 min Scan# 1026
Delta R.T. 0.002 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

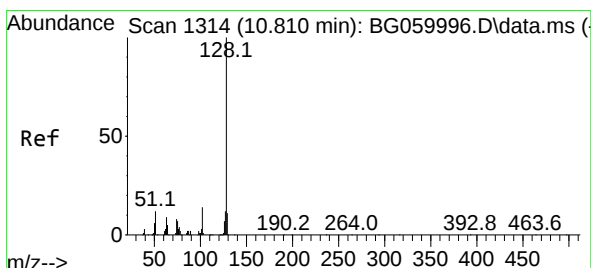
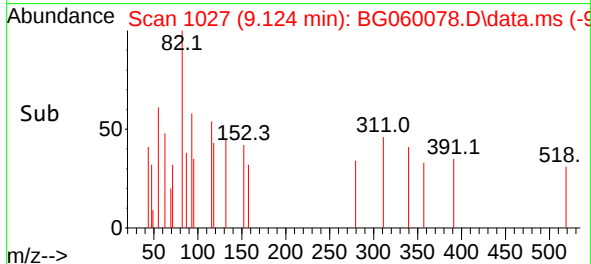
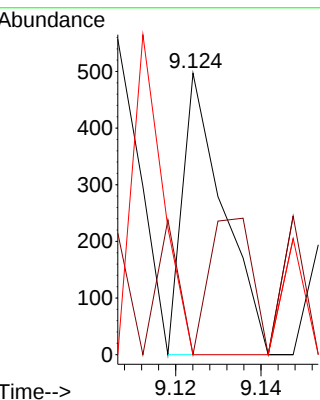
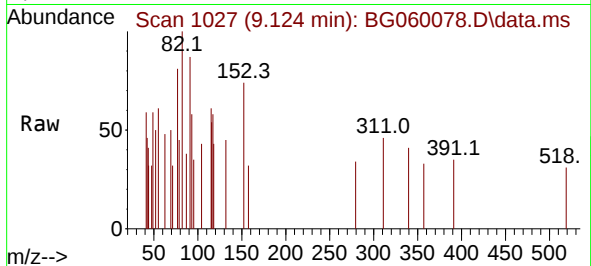
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Tgt Ion: 82 Resp: 334
Ion Ratio Lower Upper
82 100
128 0.0 26.3 39.5
54 0.0 44.3 66.5

Manual Integrations

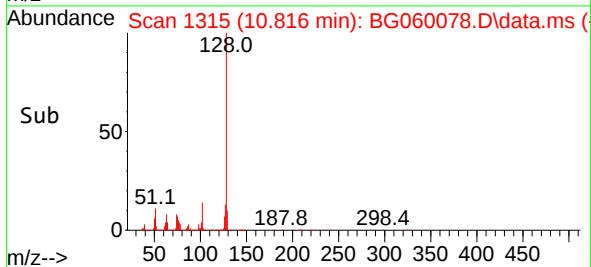
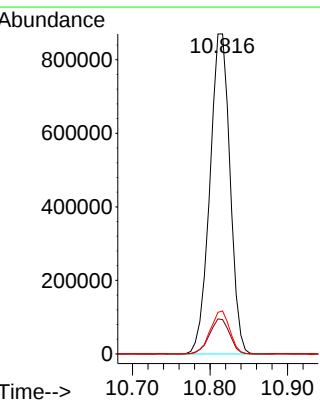
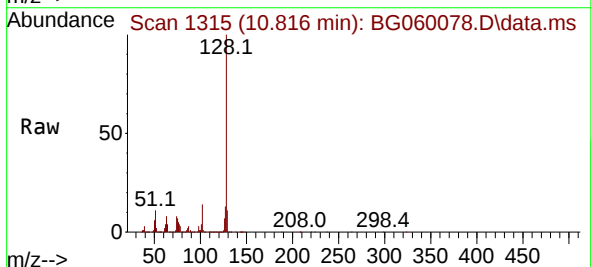
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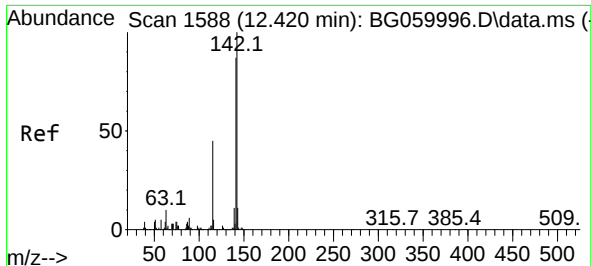
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#31
Naphthalene
Concen: 121.235 ng
RT: 10.816 min Scan# 1315
Delta R.T. 0.002 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:128 Resp: 1571728
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.5 9.7 14.5





#37
2-Methylnaphthalene
Concen: 49.305 ng
RT: 12.420 min Scan# 1588
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

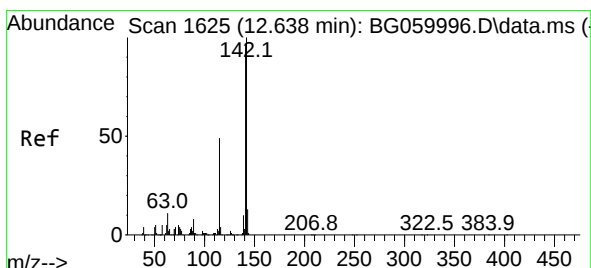
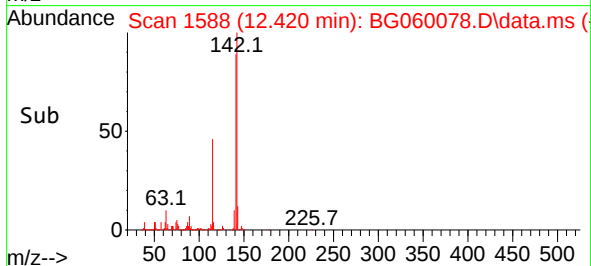
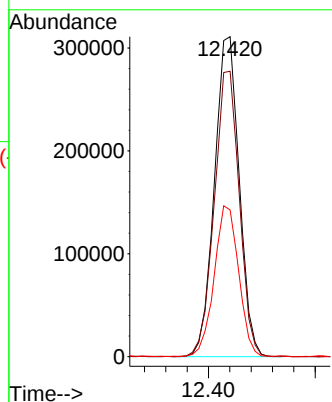
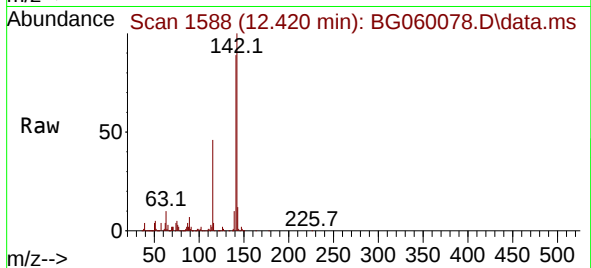
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Tgt Ion:142 Resp: 50134
Ion Ratio Lower Upper
142 100
141 89.2 69.9 104.9
115 45.9 36.1 54.1

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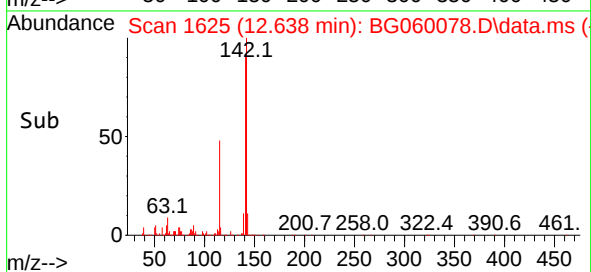
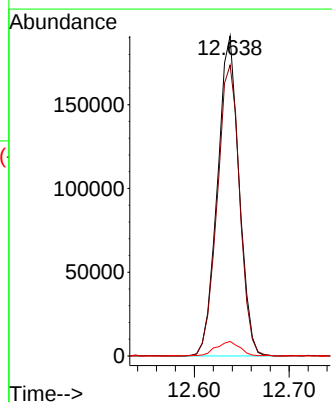
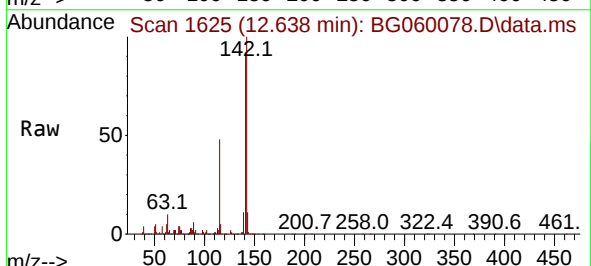
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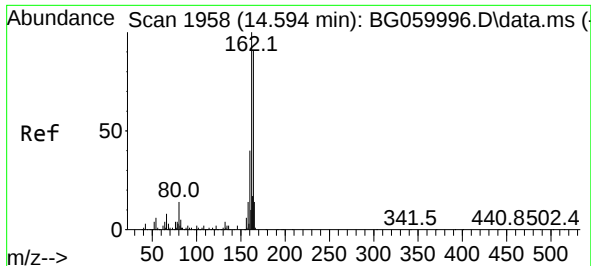
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#38
1-Methylnaphthalene
Concen: 30.100 ng
RT: 12.638 min Scan# 1625
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:142 Resp: 302328
Ion Ratio Lower Upper
142 100
141 90.9 76.9 115.3
116 4.6 3.5 5.3





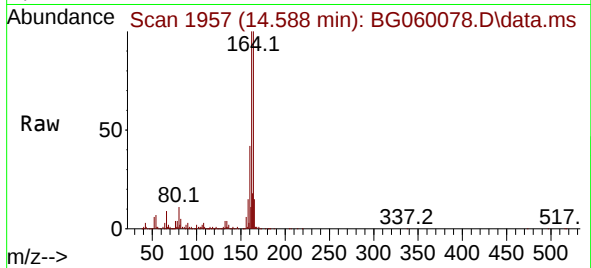
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

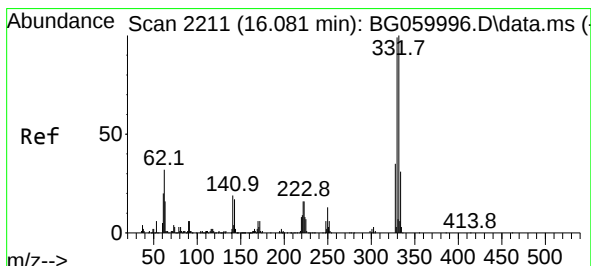
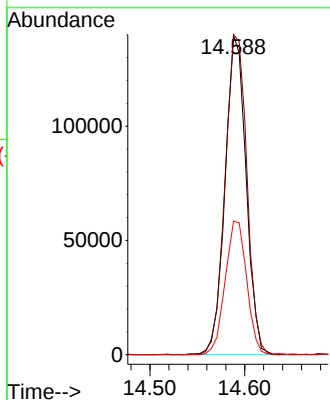
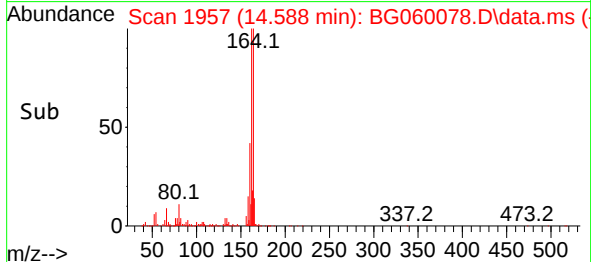


Tgt Ion:164 Resp: 214400
Ion Ratio Lower Upper
164 100
162 100.2 88.1 132.1
160 41.8 35.4 53.0

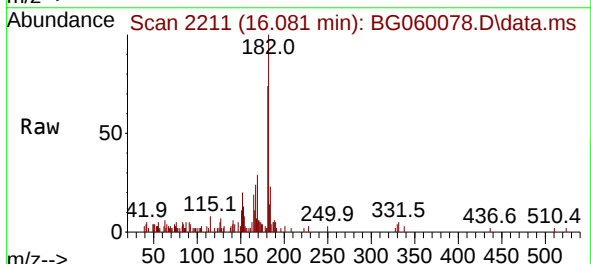
Manual Integrations

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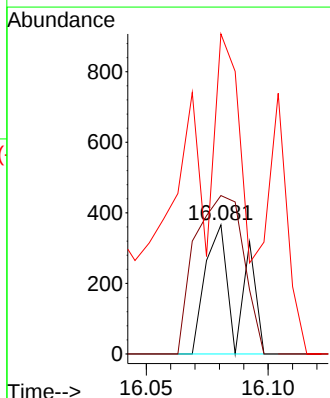
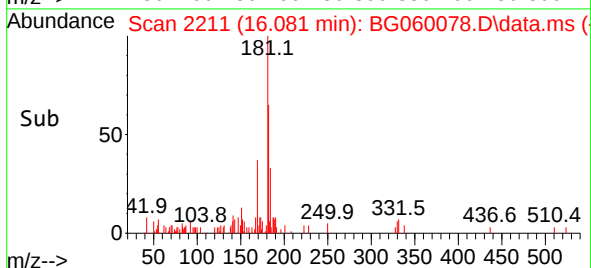
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Supervised By :mohammad ahmed 12/20/2023

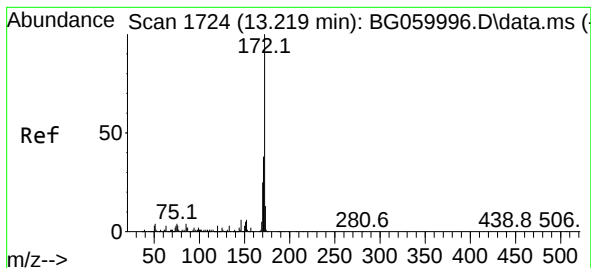


#42
2,4,6-Tribromophenol
Concen: 0.067 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58



Tgt Ion:330 Resp: 334
Ion Ratio Lower Upper
330 100
332 187.1 76.2 114.4#
141 376.6 14.3 21.5#





#45
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 13.208 min Scan# 1722
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

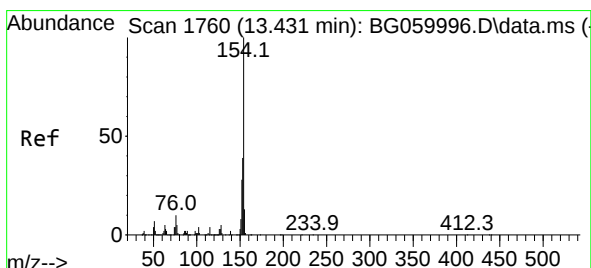
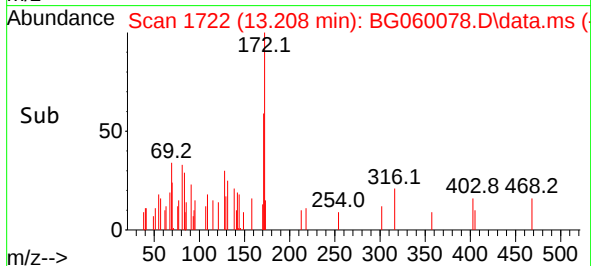
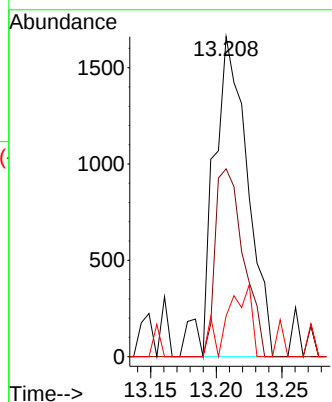
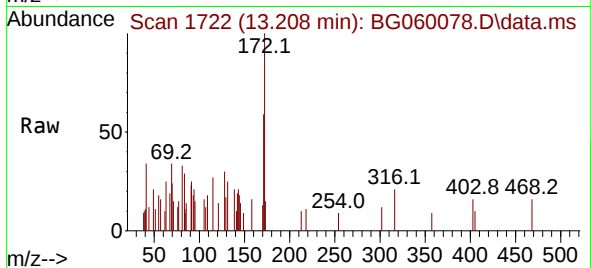
Tgt Ion:172 Resp: 3019
Ion Ratio Lower Upper
172 100
171 58.7 30.1 45.1
170 12.8 20.0 30.0

Manual Integrations

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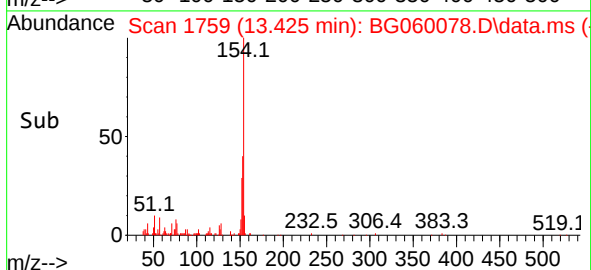
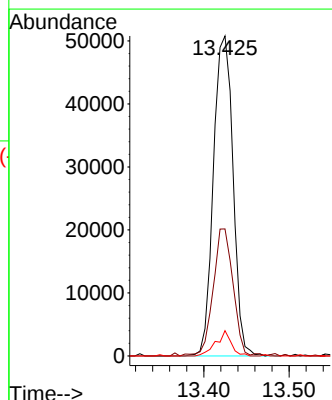
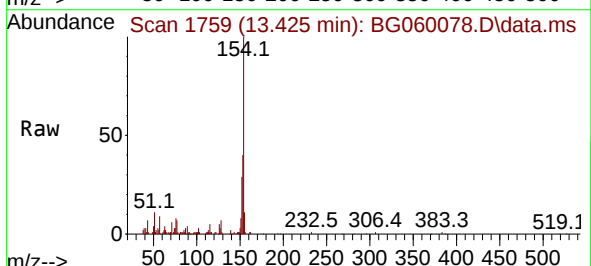
Reviewed By :Yogesh Patel 12/20/2023

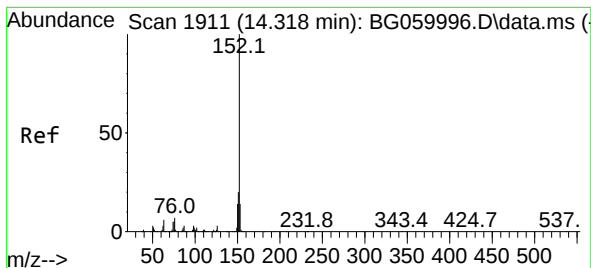
Supervised By :mohammad ahmed 12/20/2023



#46
1,1'-Biphenyl
Concen: 5.096 ng
RT: 13.425 min Scan# 1759
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:154 Resp: 81025
Ion Ratio Lower Upper
154 100
153 39.7 19.2 59.2
76 7.9 0.0 29.9





#49

Acenaphthylene

Concen: 18.910 ng

RT: 14.312 min Scan# 1911

Delta R.T. -0.010 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

Tgt Ion:152 Resp: 35620

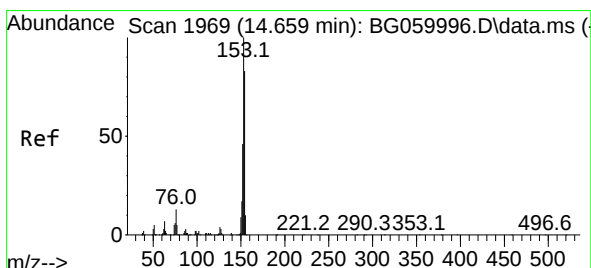
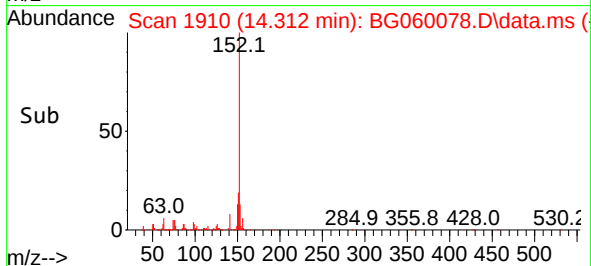
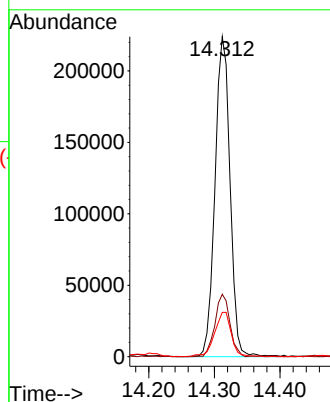
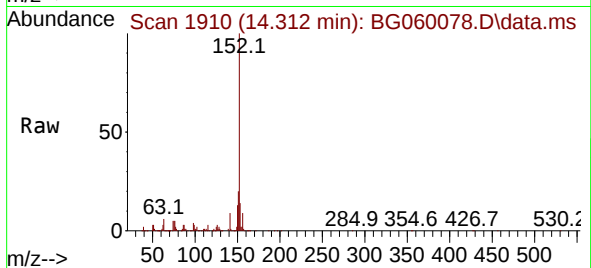
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.8	11.0	16.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#52

Acenaphthene

Concen: 5.313 ng

RT: 14.653 min Scan# 1968

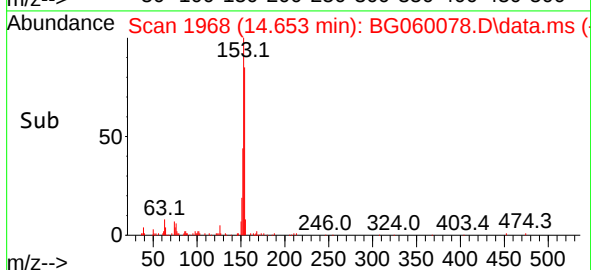
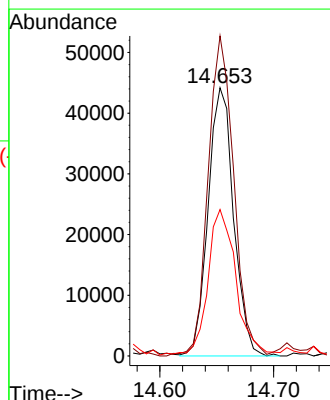
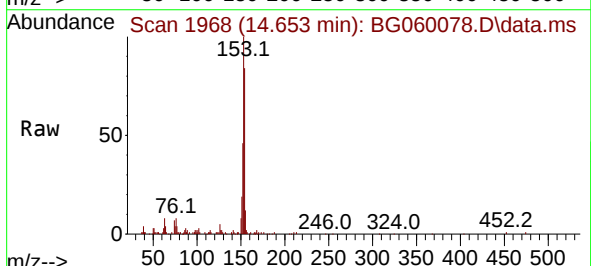
Delta R.T. -0.010 min

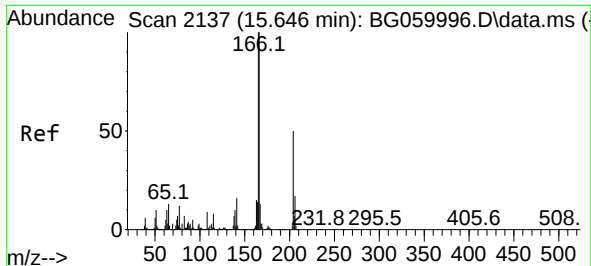
Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Tgt Ion:154 Resp: 68896

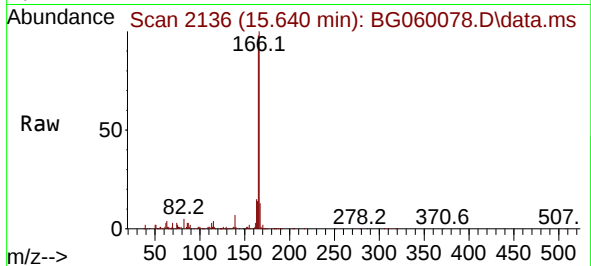
Ion	Ratio	Lower	Upper
154	100		
153	119.3	96.0	144.0
152	54.6	44.3	66.5





#58
 Fluorene
 Concen: 11.113 ng
 RT: 15.640 min Scan# 2137
 Delta R.T. -0.004 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

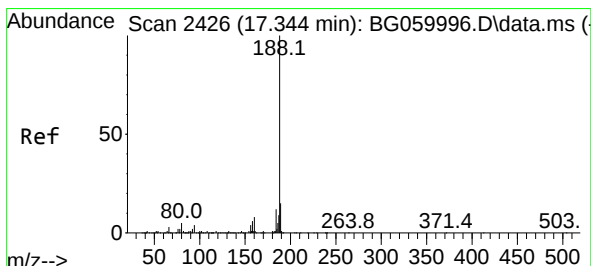
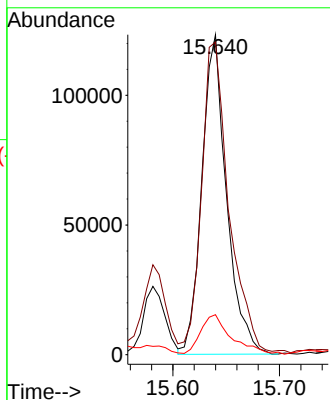
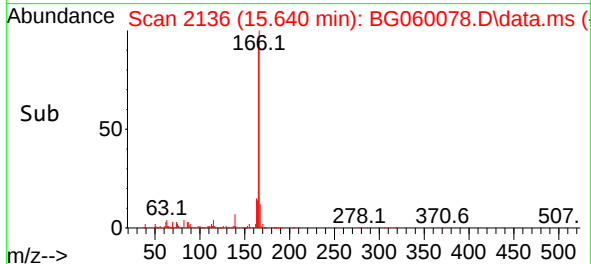
Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL



Tgt Ion:166 Resp: 19777
 Ion Ratio Lower Upper
 166 100
 165 97.7 80.2 120.2
 167 12.5 10.3 15.5

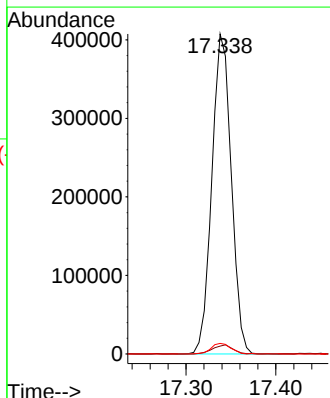
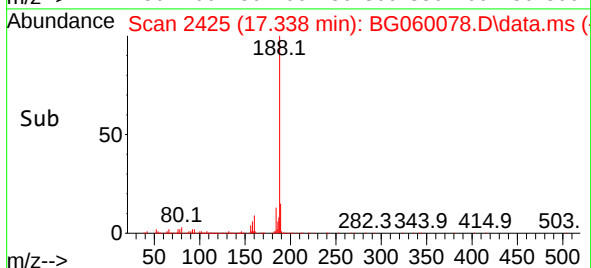
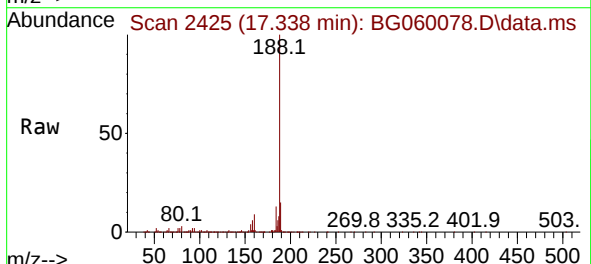
Manual Integrations
 APPROVED

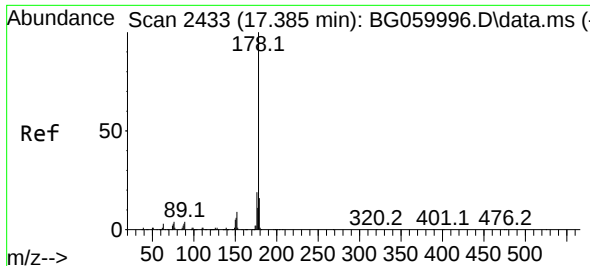
Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.338 min Scan# 2425
 Delta R.T. -0.010 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

Tgt Ion:188 Resp: 610727
 Ion Ratio Lower Upper
 188 100
 94 2.4 3.0 4.6#
 80 3.3 4.0 6.0#





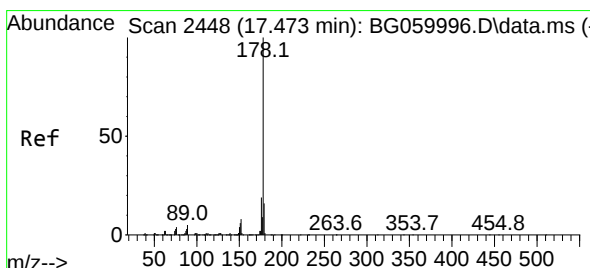
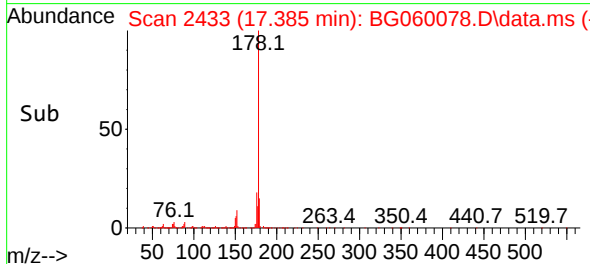
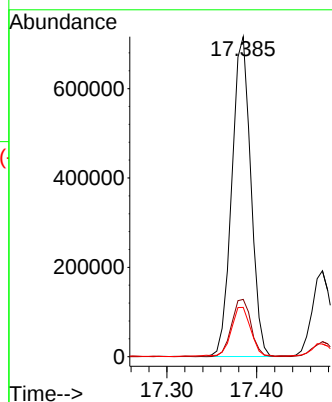
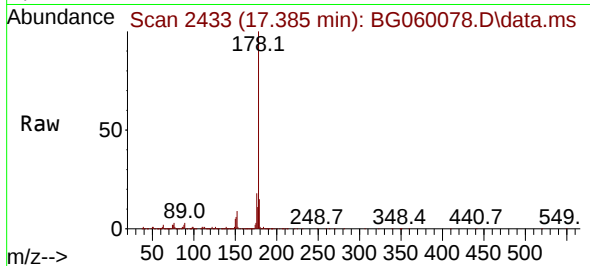
#71
Phenanthrene
Concen: 35.480 ng
RT: 17.385 min Scan# 2433
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

Tgt Ion:178 Resp: 104956
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.4 12.6 19.0

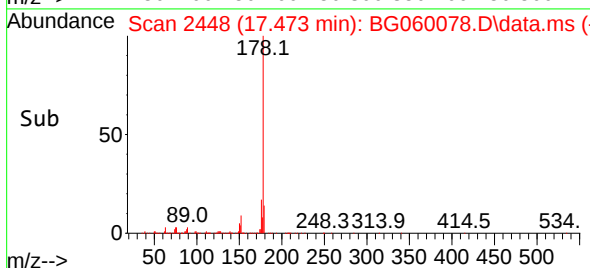
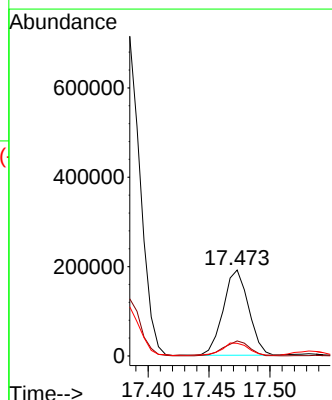
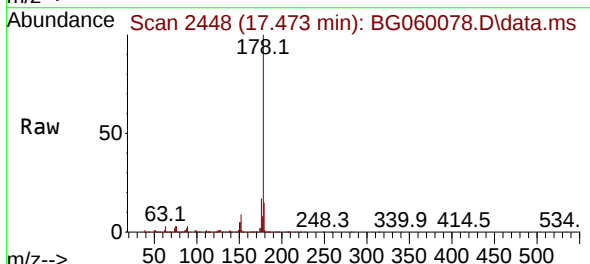
Manual Integrations
APPROVED

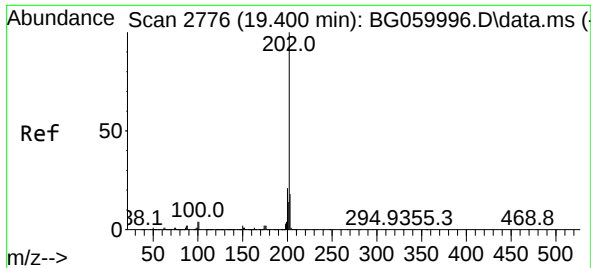
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Anthracene
Concen: 9.283 ng
RT: 17.473 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:178 Resp: 276098
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 14.6 12.6 19.0





#75
Fluoranthene
Concen: 11.085 ng
RT: 19.394 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

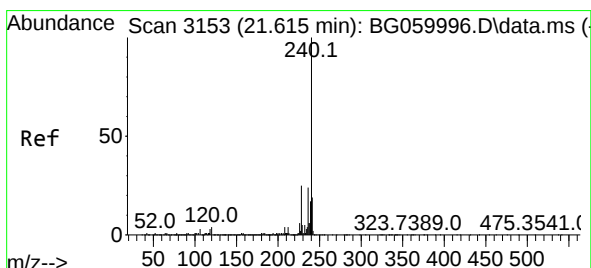
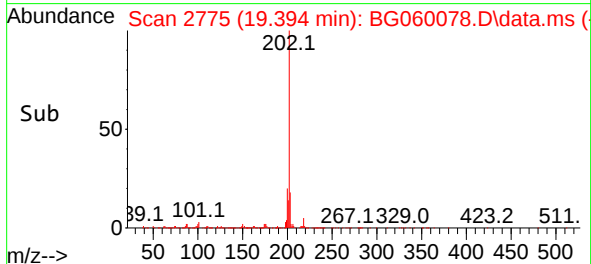
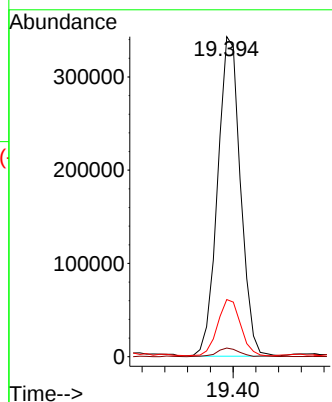
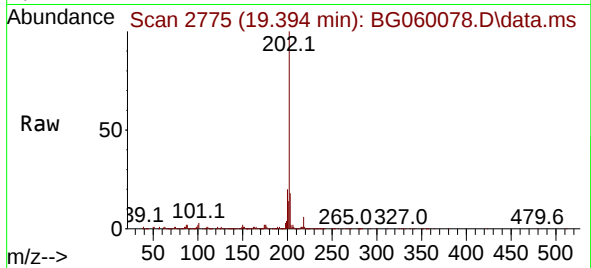
MW05D-NAPLDL

Tgt Ion:202 Resp: 478509
Ion Ratio Lower Upper
202 100
101 2.7 0.0 24.2
203 17.8 0.0 37.6

Manual Integrations

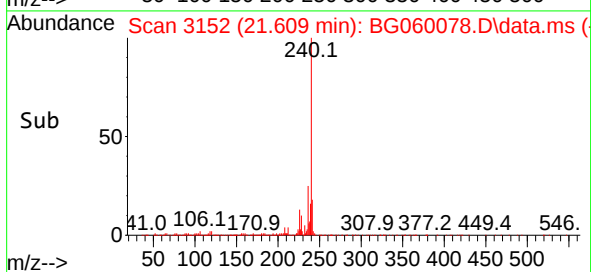
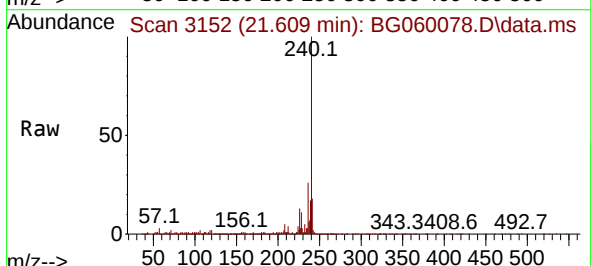
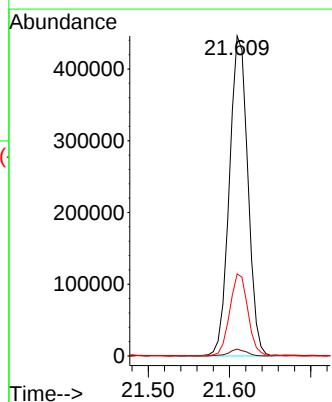
APPROVED

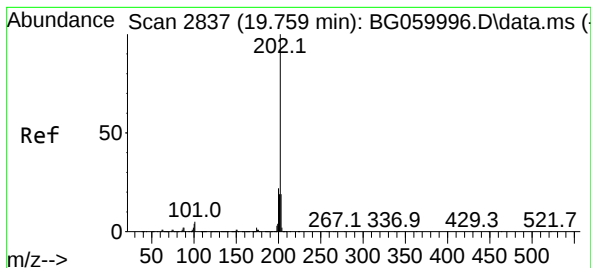
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3152
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:240 Resp: 704208
Ion Ratio Lower Upper
240 100
120 2.1 2.9 4.3#
236 25.7 19.4 29.2





#78

Pyrene

Concen: 17.371 ng

RT: 19.759 min Scan# 2837

Delta R.T. -0.004 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPL

Tgt Ion:202 Resp: 74153

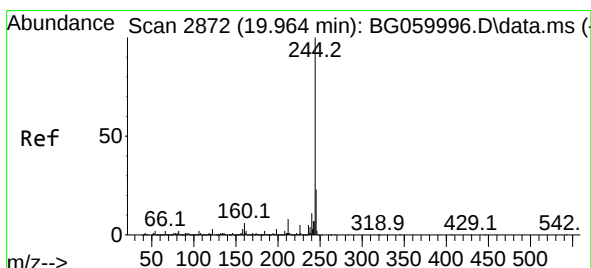
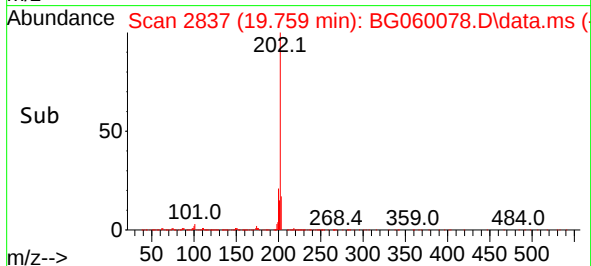
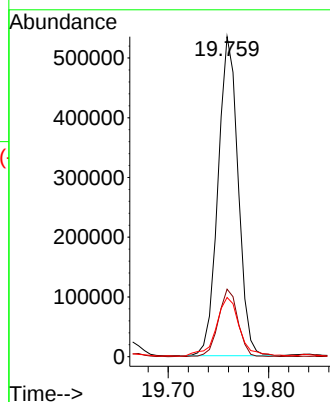
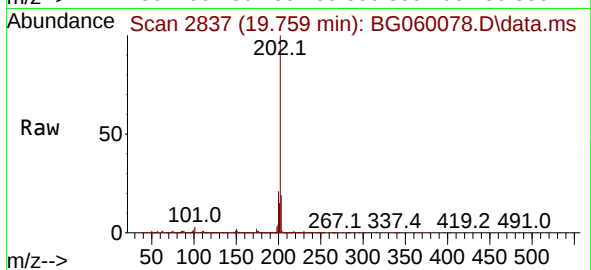
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.5	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#79

Terphenyl-d14

Concen: 0.220 ng

RT: 19.958 min Scan# 2871

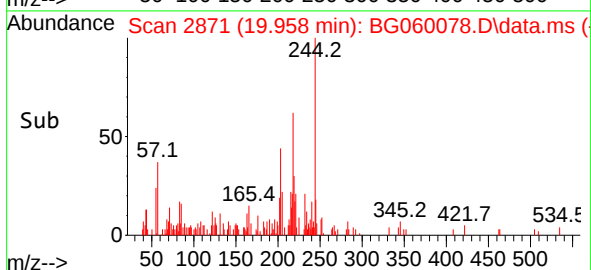
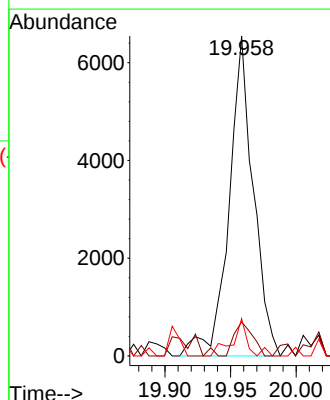
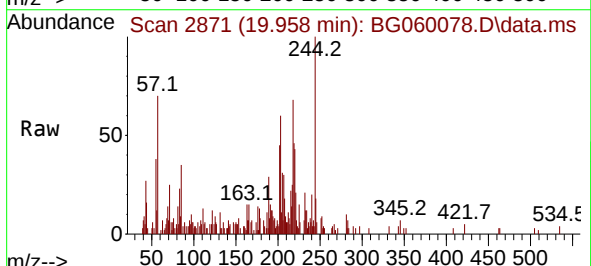
Delta R.T. -0.010 min

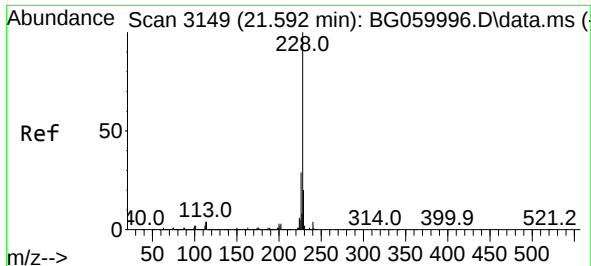
Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Tgt Ion:244 Resp: 8482

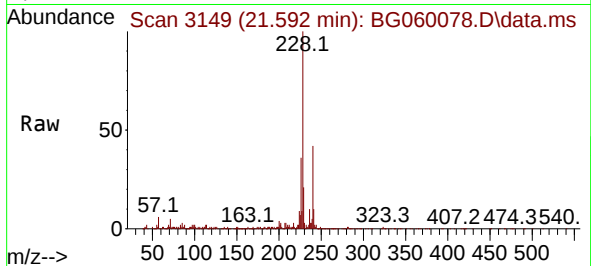
Ion	Ratio	Lower	Upper
244	100		
212	10.7	6.8	10.2#
122	11.6	2.6	3.8#





#81
Benzo(a)anthracene
Concen: 6.128 ng m
RT: 21.592 min Scan# 3149
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

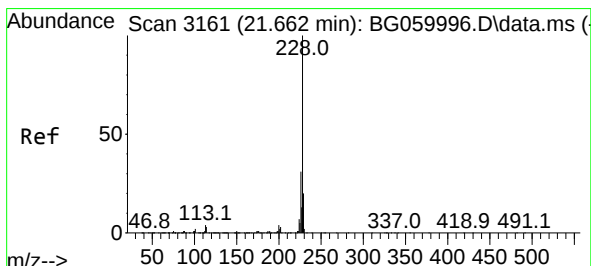
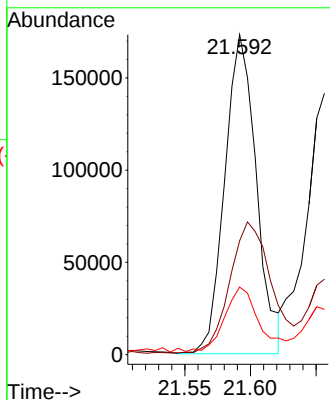
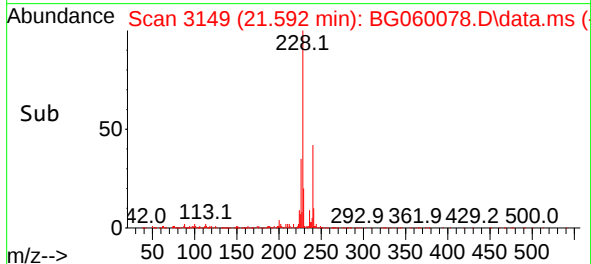
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL



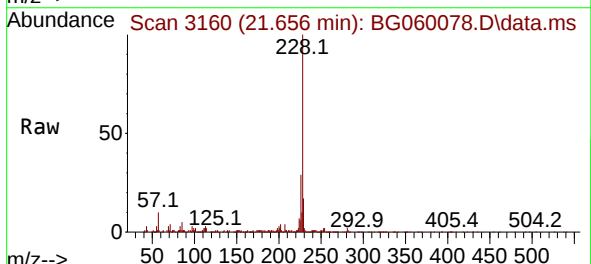
Tgt Ion:228 Resp: 289870
Ion Ratio Lower Upper
228 100
226 35.6 22.9 34.3
229 21.2 16.2 24.2

Manual Integrations
APPROVED

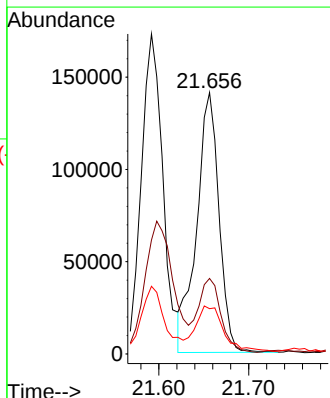
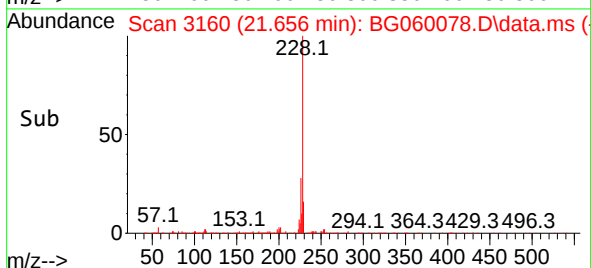
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

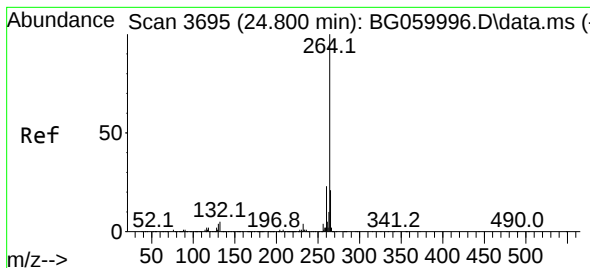


#83
Chrysene
Concen: 5.428 ng
RT: 21.656 min Scan# 3160
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58



Tgt Ion:228 Resp: 243242
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 17.3 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.800 min Scan# 3

Delta R.T. -0.016 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

Tgt Ion:264 Resp: 791734

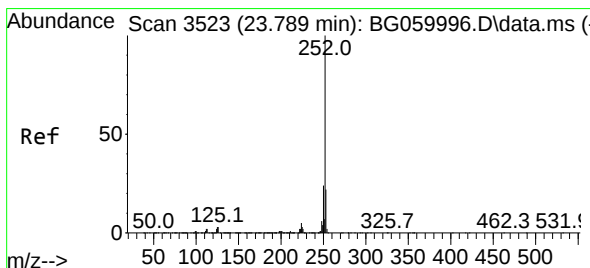
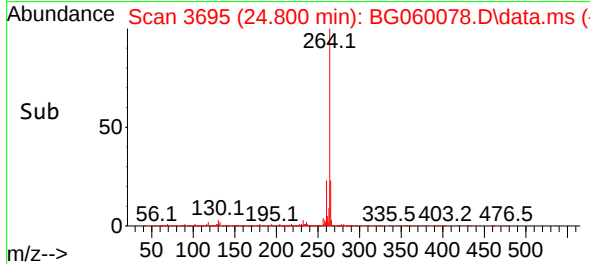
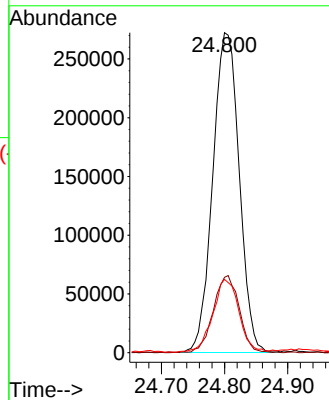
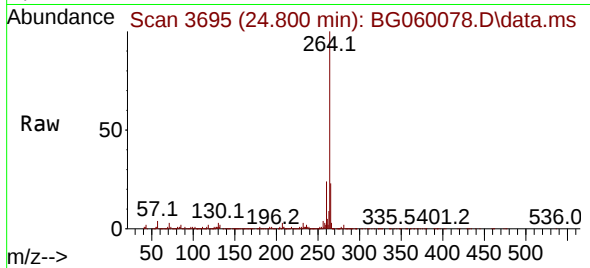
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.9	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#88

Benzo(b)fluoranthene

Concen: 3.596 ng

RT: 23.789 min Scan# 3523

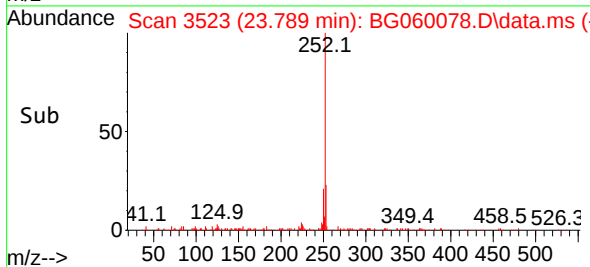
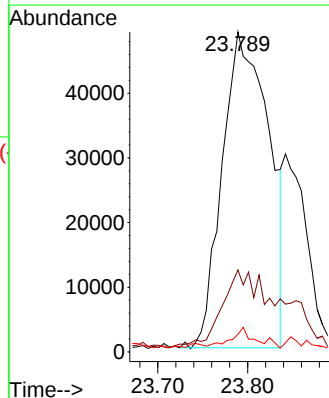
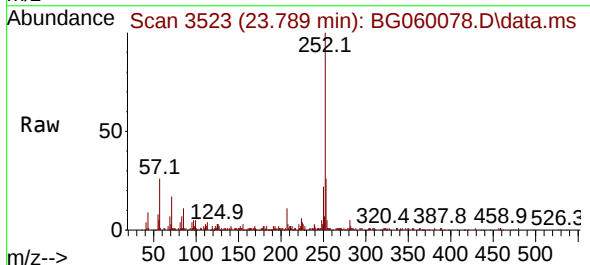
Delta R.T. -0.010 min

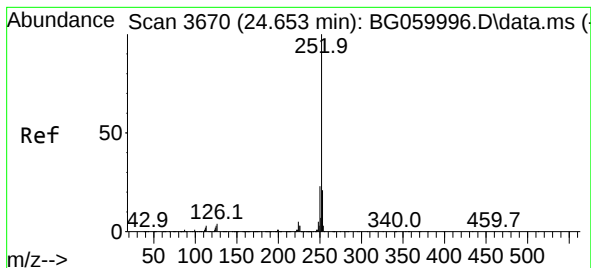
Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Tgt Ion:252 Resp: 175825

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	5.5	2.6	4.0





#90

Benzo(a)pyrene

Concen: 5.139 ng

RT: 24.647 min Scan# 30

Delta R.T. -0.016 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

Tgt Ion:252 Resp: 22261

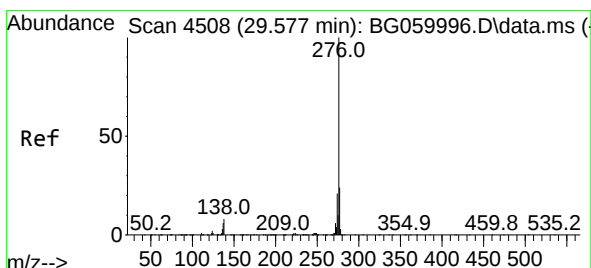
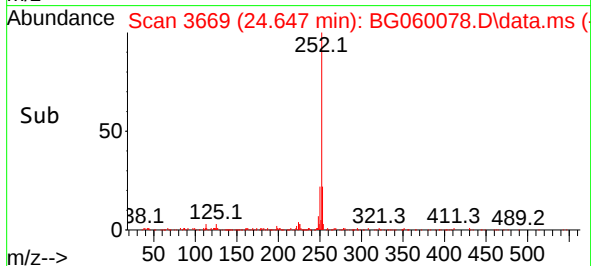
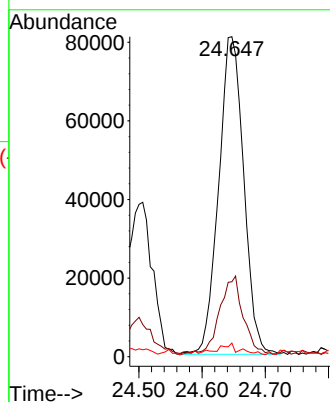
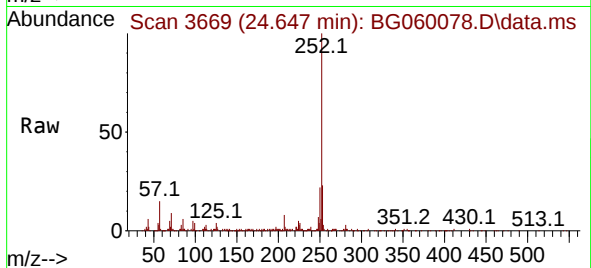
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	4.3	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.238 ng m

RT: 29.565 min Scan# 4506

Delta R.T. -0.033 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Tgt Ion:276 Resp: 105187

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.2
138	3.7	6.0	9.0

