

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025510.D
 Acq On : 20 Aug 2025 16:15
 Operator : CG/JU
 Sample : Q2889-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-02-081525

Quant Time: Aug 20 16:46:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	166678	20.000	ng	-0.01
21) Naphthalene-d8	10.555	136	638810	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	381411	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	752375	20.000	ng	0.00
76) Chrysene-d12	21.642	240	804684	20.000	ng	0.00
86) Perylene-d12	25.013	264	975499	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	205747	20.500	ng	0.00
7) Phenol-d6	6.966	99	254985	19.816	ng	0.00
23) Nitrobenzene-d5	8.919	82	161216	12.766	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	105972	20.642	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	383199	13.731	ng	0.00
79) Terphenyl-d14	19.925	244	595873	13.548	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.460	154	74212	3.543	ng	96
58) Fluorene	15.460	166	74987	2.870	ng	95
71) Phenanthrene	17.237	178	1273376	30.810	ng	99
72) Anthracene	17.331	178	304881	7.224	ng	99
75) Fluoranthene	19.331	202	1576368	31.975	ng	99
78) Pyrene	19.701	202	1465444	28.019	ng	99
81) Benzo(a)anthracene	21.625	228	746771	14.072	ng	98
83) Chrysene	21.689	228	664087	13.362	ng	99
87) Indeno(1,2,3-cd)pyrene	28.848	276	350268	4.896	ng	# 93
88) Benzo(b)fluoranthene	23.954	252	814313m	14.156	ng	
89) Benzo(k)fluoranthene	24.024	252	289759	5.034	ng	95
90) Benzo(a)pyrene	24.854	252	594846	10.623	ng	96
92) Benzo(g,h,i)perylene	30.006	276	293324	5.104	ng	99

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

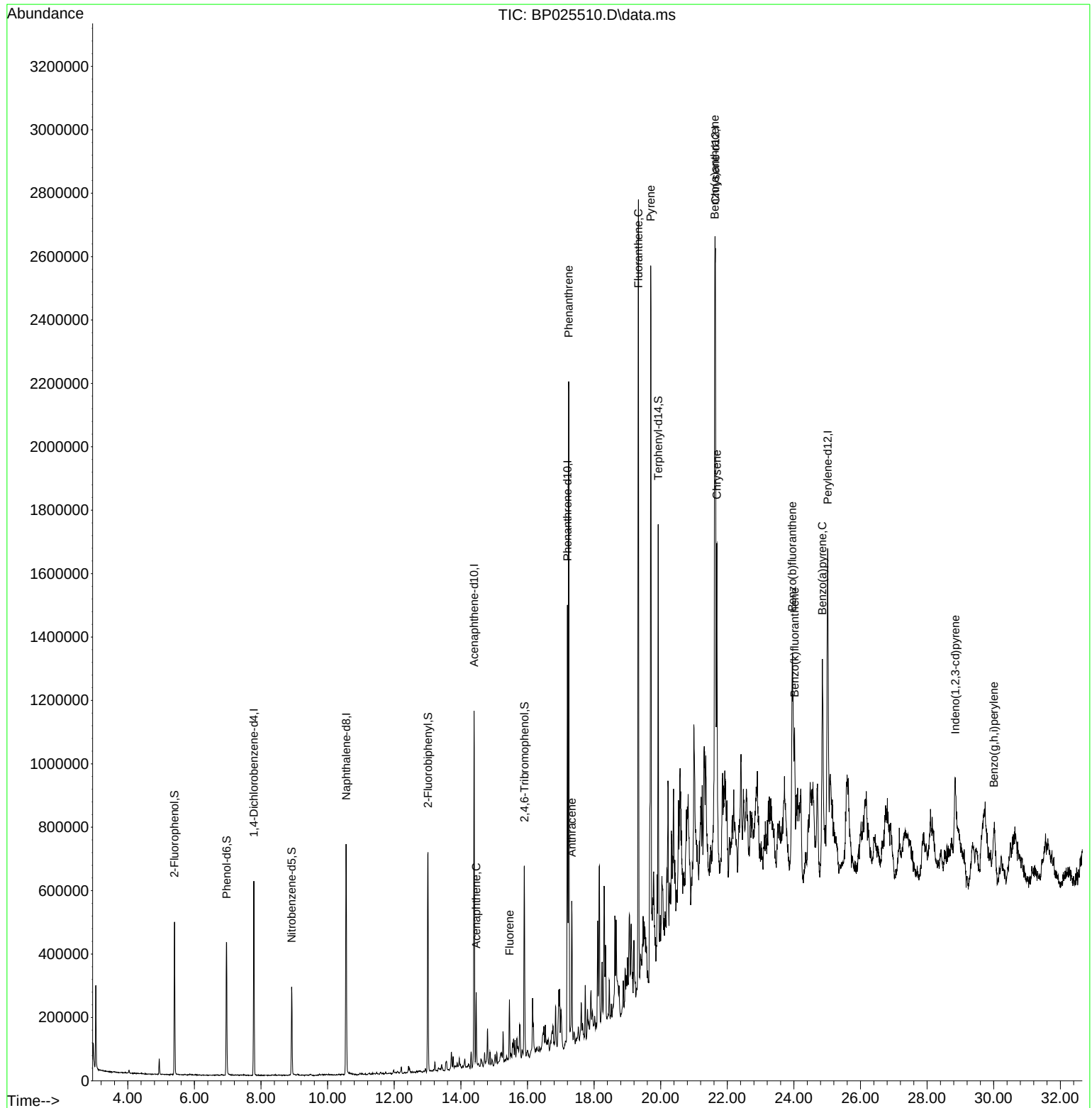
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Data File : BP025510.D
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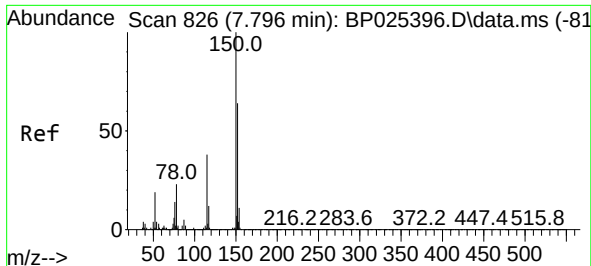
Instrument :
BNA_P
ClientSampleId :
PL-02-081525

Quant Time: Aug 20 16:46:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
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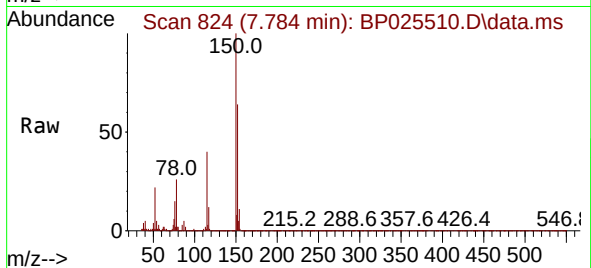
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

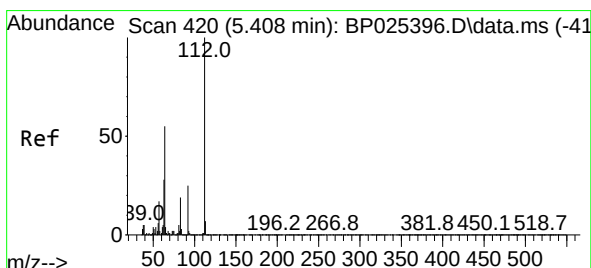
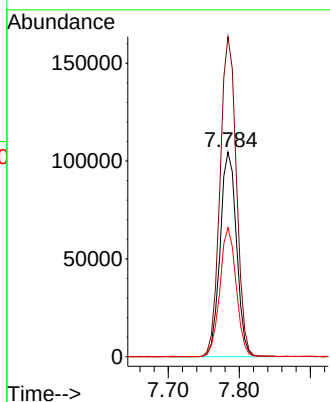
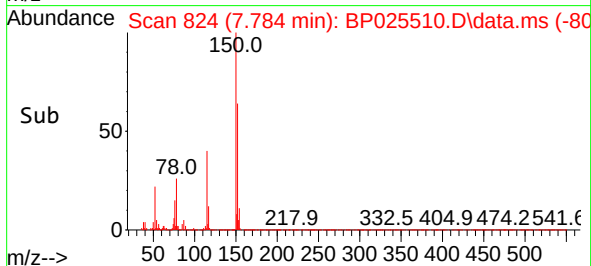
Instrument :
BNA_P
ClientSampleId :
PL-02-081525



Tgt Ion:152 Resp: 166678
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 63.1 48.5 72.7

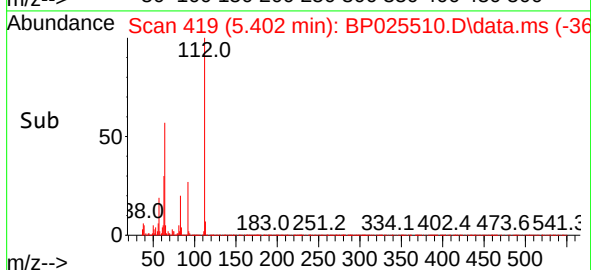
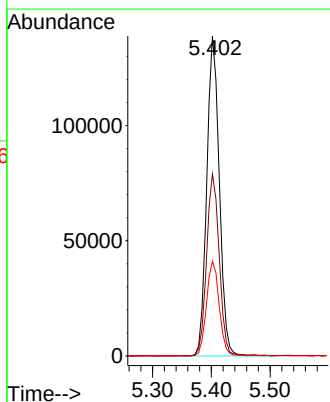
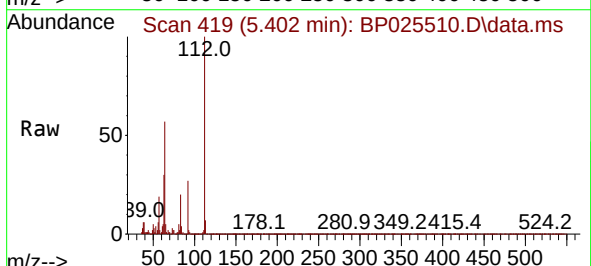
Manual Integrations
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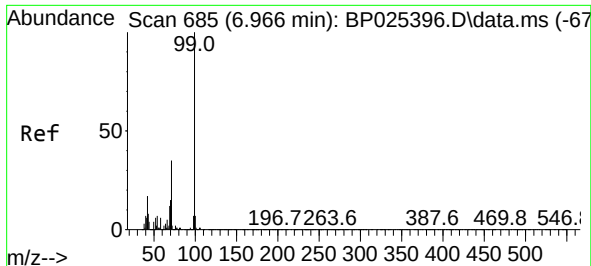
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#5
2-Fluorophenol
Concen: 20.500 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

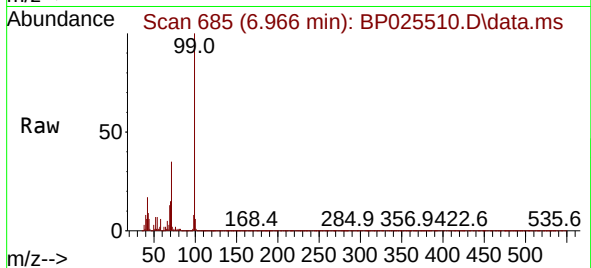
Tgt Ion:112 Resp: 205747
Ion Ratio Lower Upper
112 100
64 56.9 43.8 65.8
63 29.6 22.7 34.1





#7
Phenol-d6
Concen: 19.816 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

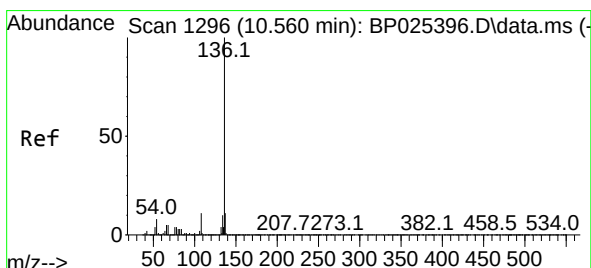
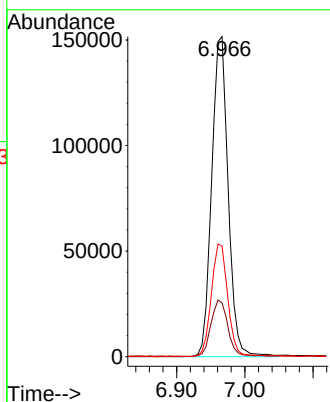
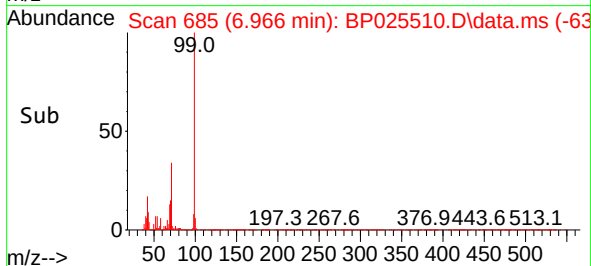
Instrument :
BNA_P
ClientSampleId :
PL-02-081525



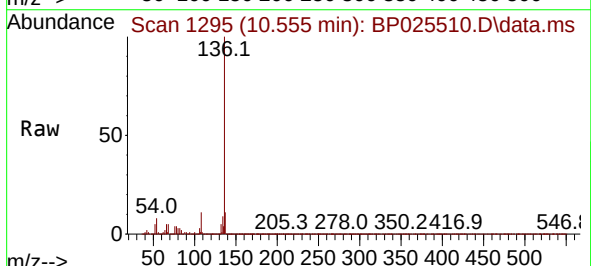
Tgt Ion: 99 Resp: 254985
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 34.5 28.2 42.4

Manual Integrations
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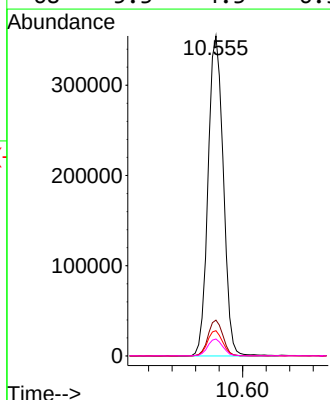
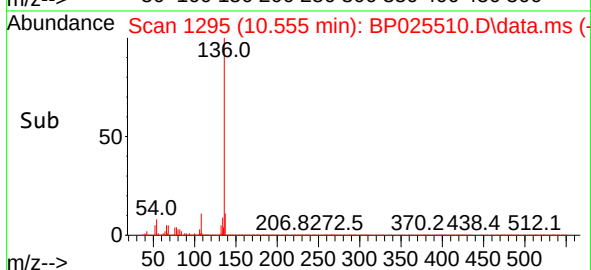
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

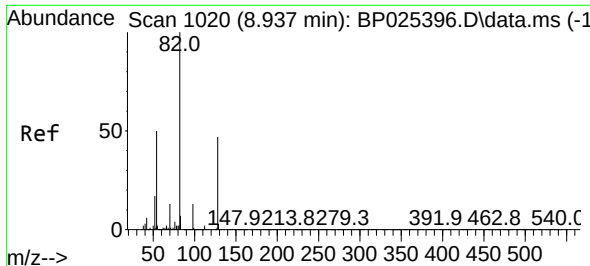


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15



Tgt Ion:136 Resp: 638810
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.9 6.0 9.0
68 5.3 4.3 6.5





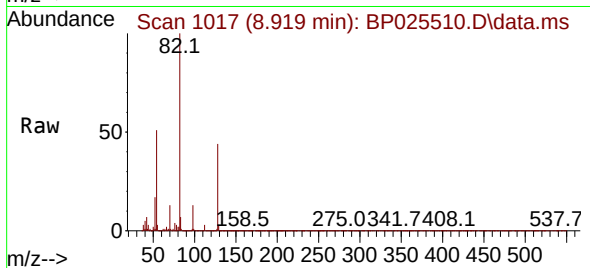
#23
Nitrobenzene-d5
Concen: 12.766 ng
RT: 8.919 min Scan# 1020
Delta R.T. -0.017 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :

BNP_P

ClientSampleId :

PL-02-081525



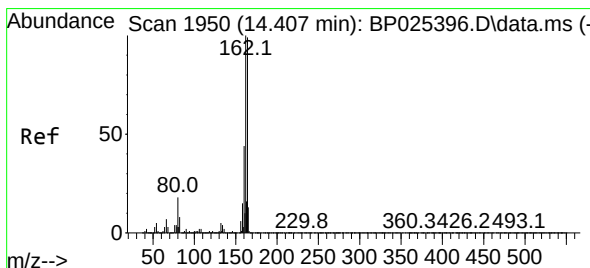
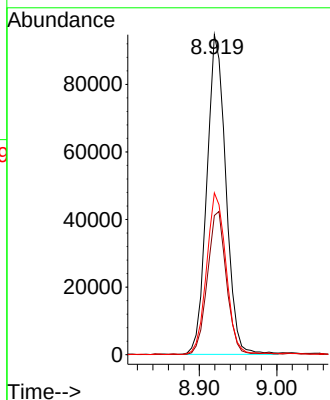
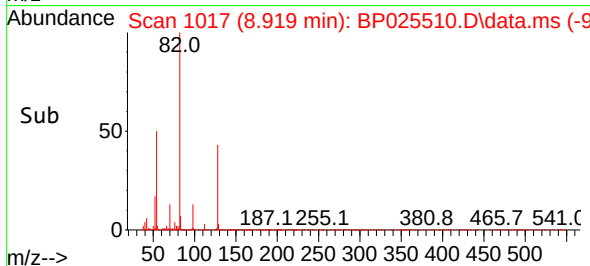
Tgt Ion: 82 Resp: 161210
Ion Ratio Lower Upper
82 100
128 43.5 37.7 56.5
54 50.6 39.8 59.6

Manual Integrations

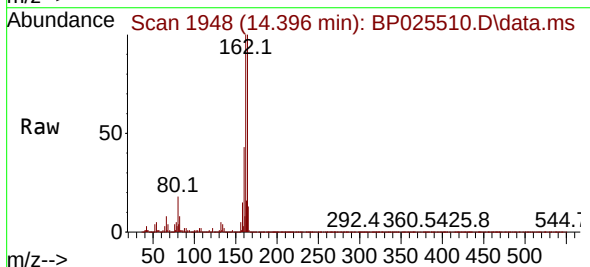
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Reviewed By :Rahul Chavli 08/21/2025

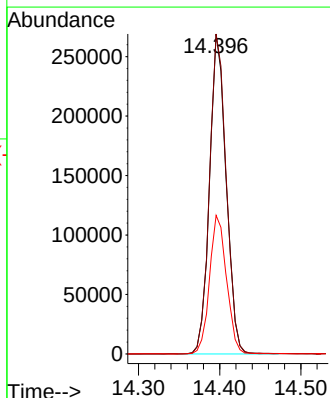
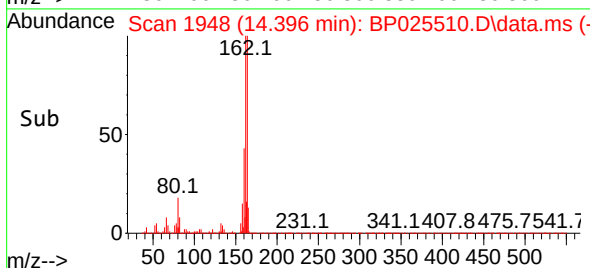
Supervised By :mohammad ahmed 08/22/2025

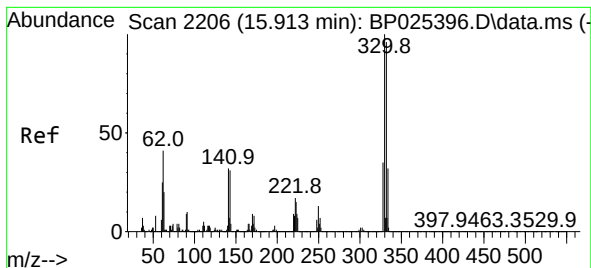


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15



Tgt Ion:164 Resp: 381411
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.6
160 43.3 35.4 53.2





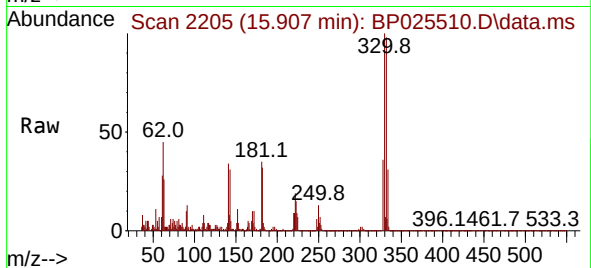
#42
2,4,6-Tribromophenol
Concen: 20.642 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

PL-02-081525

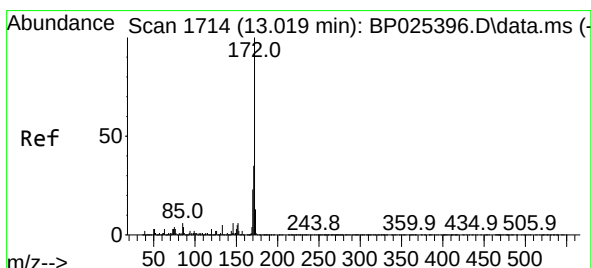
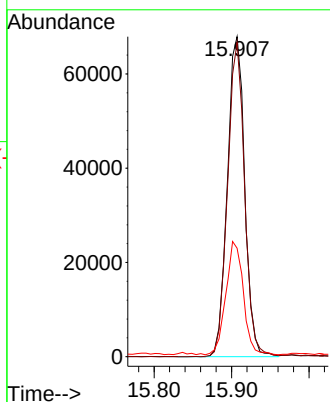
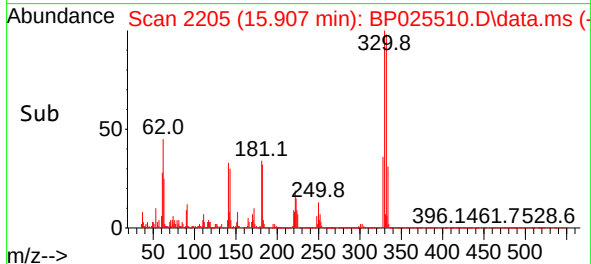


Tgt Ion:330 Resp: 105972
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 35.6 26.6 39.8

Manual Integrations

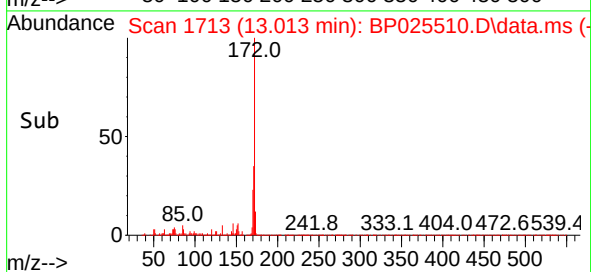
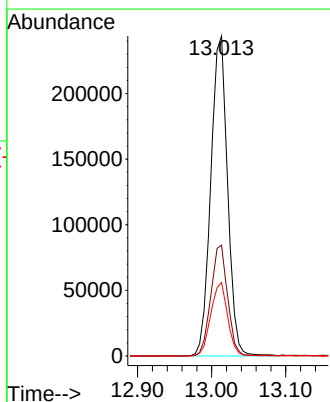
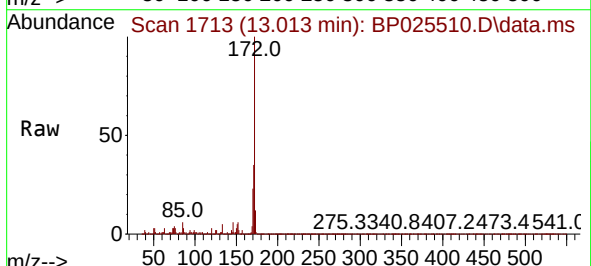
APPROVED

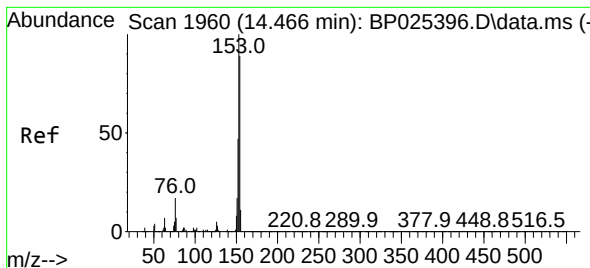
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#45
2-Fluorobiphenyl
Concen: 13.731 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion:172 Resp: 383199
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.0 18.6 28.0





#52
Acenaphthene
Concen: 3.543 ng
RT: 14.460 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

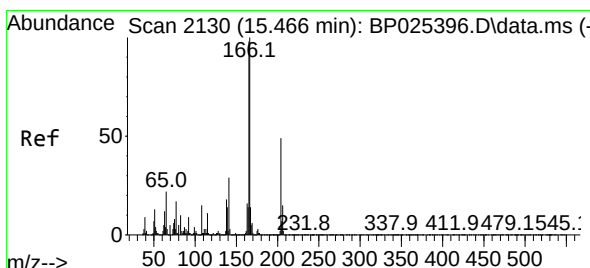
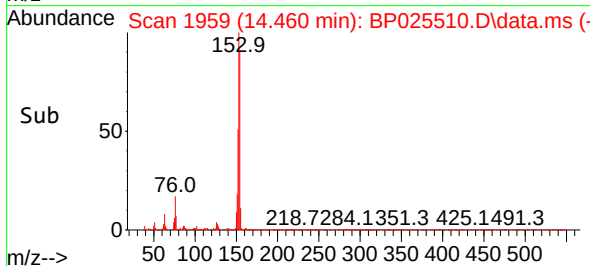
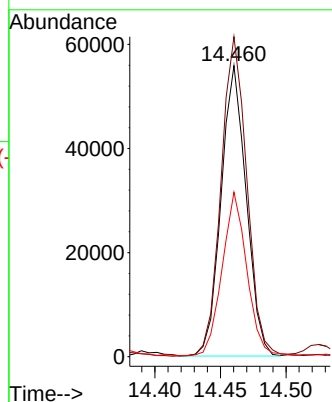
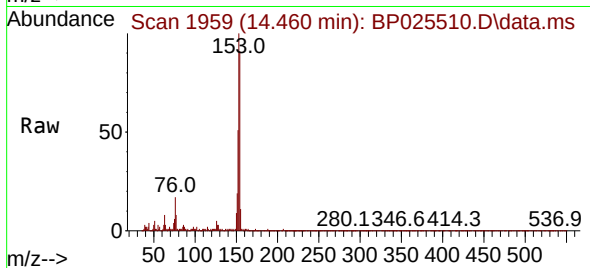
PL-02-081525

Tgt Ion:154 Resp: 7421
Ion Ratio Lower Upper
154 100
153 109.9 90.2 135.2
152 56.5 42.1 63.1

Manual Integrations

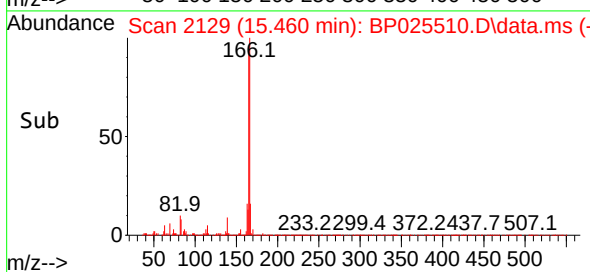
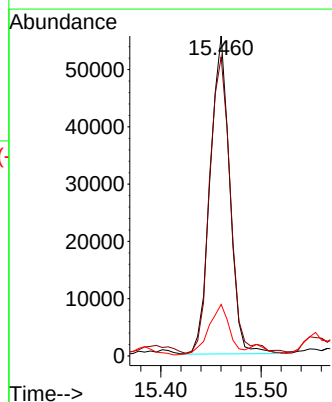
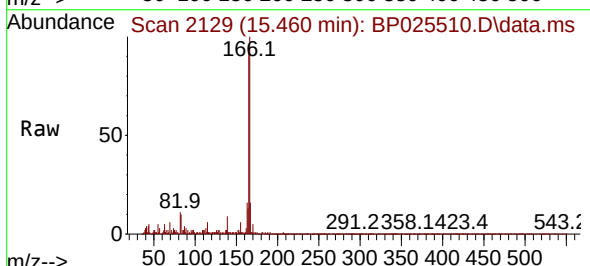
APPROVED

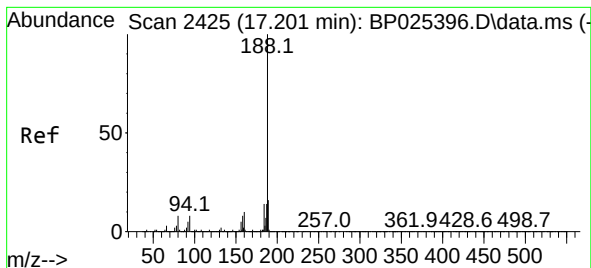
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#58
Fluorene
Concen: 2.870 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion:166 Resp: 74987
Ion Ratio Lower Upper
166 100
165 93.5 78.8 118.2
167 16.1 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

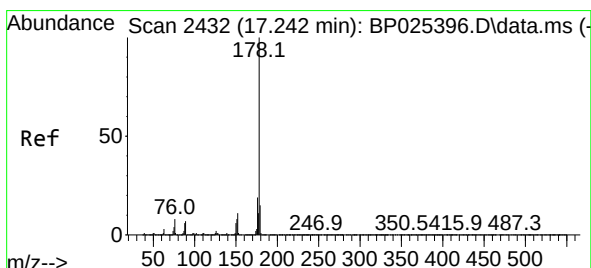
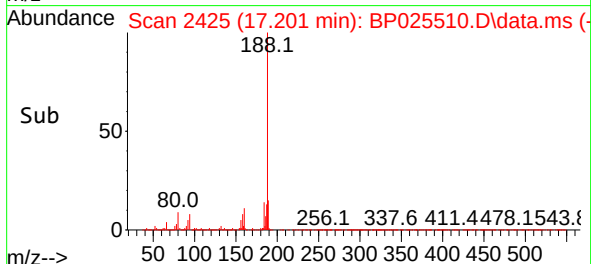
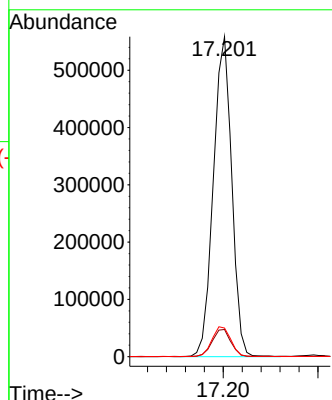
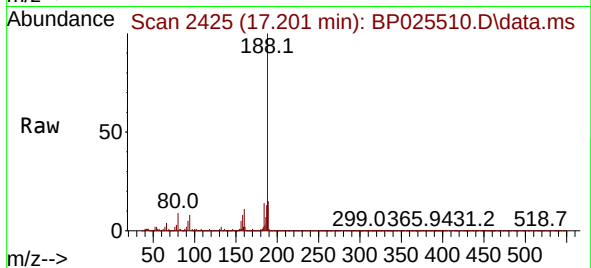
PL-02-081525

Tgt Ion:188 Resp: 752375
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.9 6.7 10.1

Manual Integrations

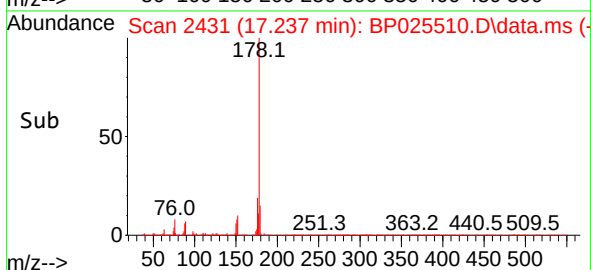
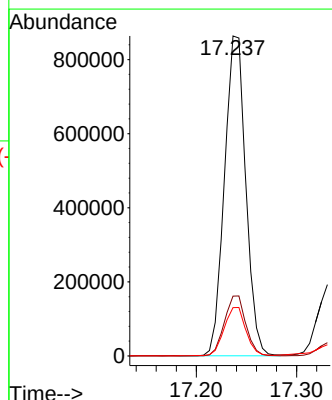
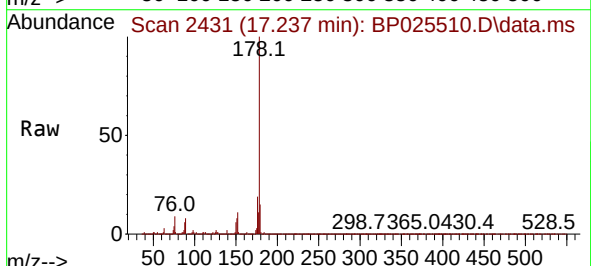
APPROVED

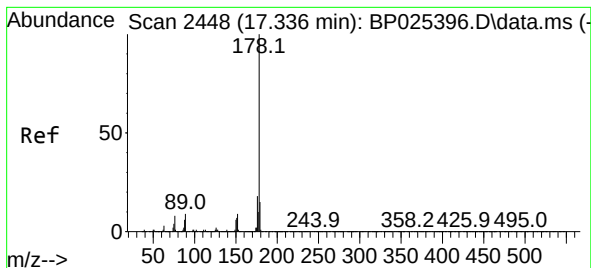
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#71
Phenanthrene
Concen: 30.810 ng
RT: 17.237 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion:178 Resp: 1273376
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.2 18.4





#72

Anthracene

Concen: 7.224 ng

RT: 17.331 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

PL-02-081525

Tgt Ion:178 Resp: 30488

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

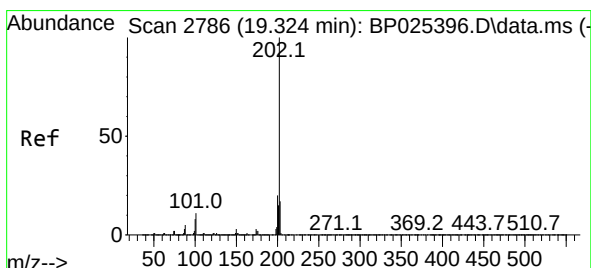
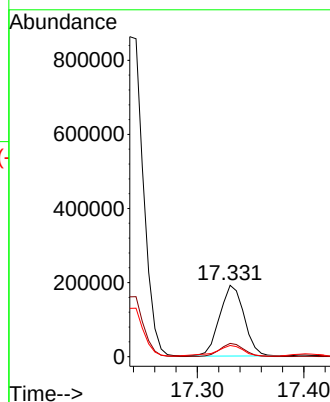
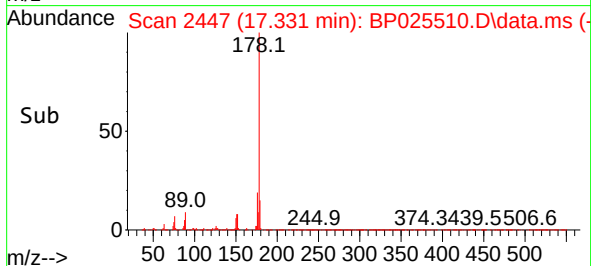
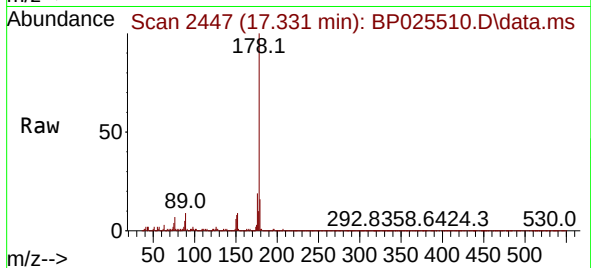
179 15.6 12.2 18.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#75

Fluoranthene

Concen: 31.975 ng

RT: 19.331 min Scan# 2787

Delta R.T. 0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

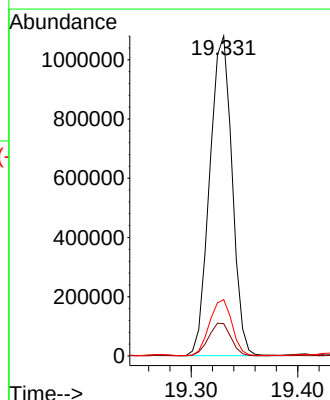
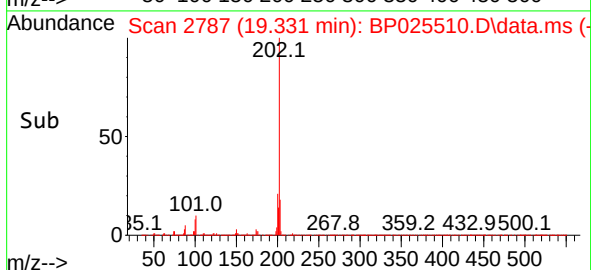
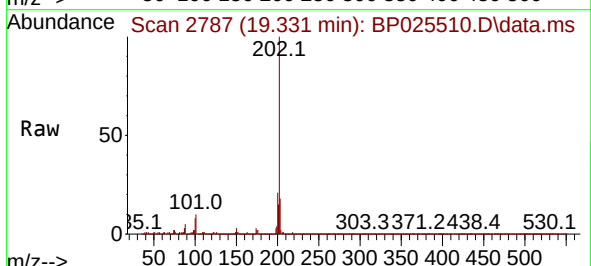
Tgt Ion:202 Resp: 1576368

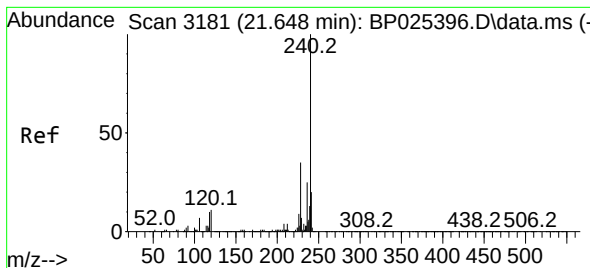
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

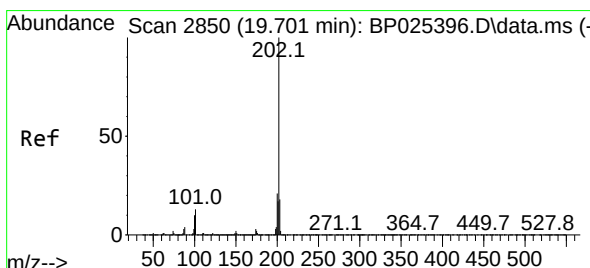
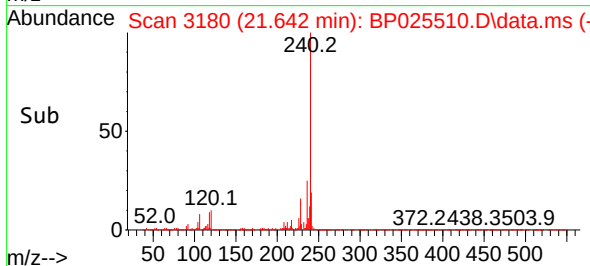
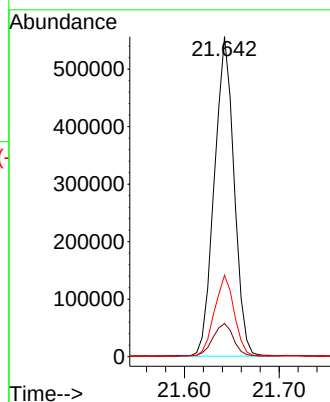
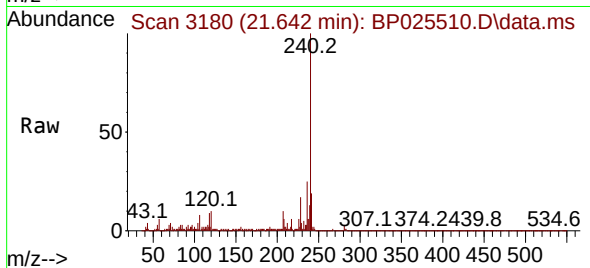
PL-02-081525

Tgt Ion:240 Resp: 804684
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.9 13.3
 236 25.4 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025



#78

Pyrene

Concen: 28.019 ng

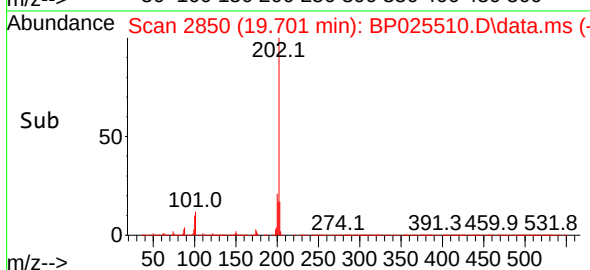
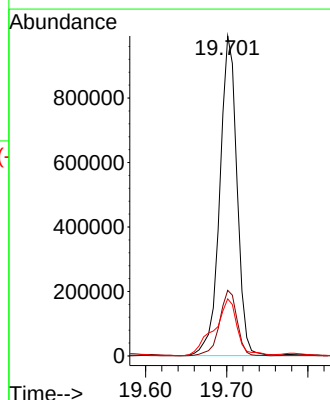
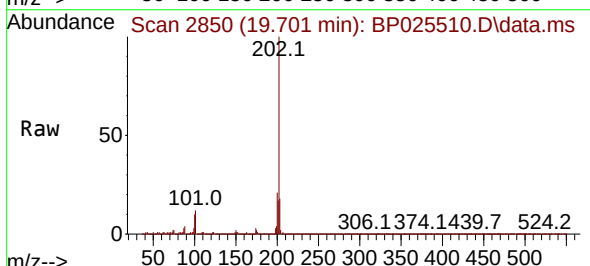
RT: 19.701 min Scan# 2850

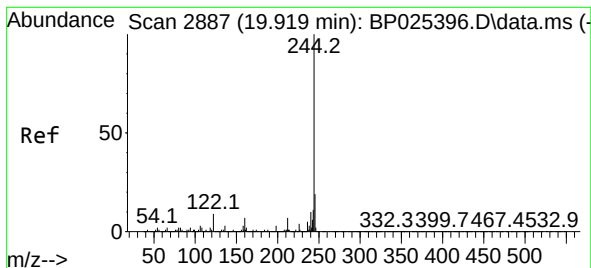
Delta R.T. 0.000 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Tgt Ion:202 Resp: 1465444
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.9 25.3
 203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 13.548 ng

RT: 19.925 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

PL-02-081525

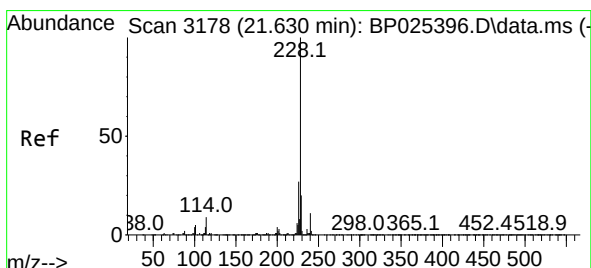
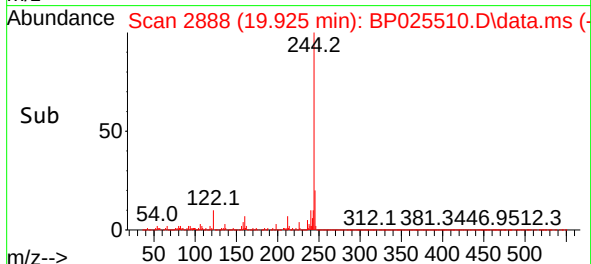
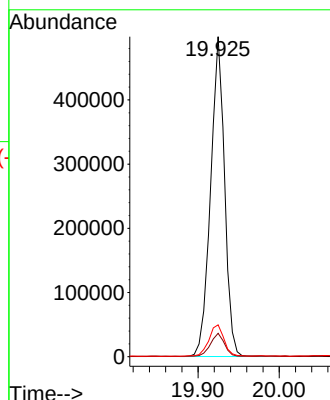
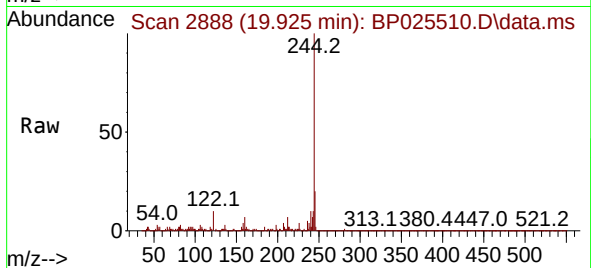
Tgt Ion:244	Resp: 59587
Ion Ratio	Lower Upper
244 100	
212 7.3	5.8 8.6
122 10.0	7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#81

Benzo(a)anthracene

Concen: 14.072 ng

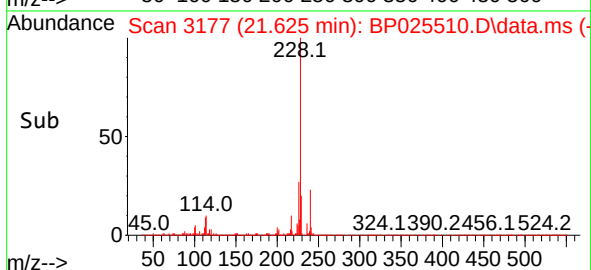
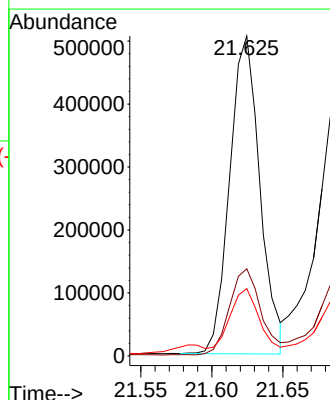
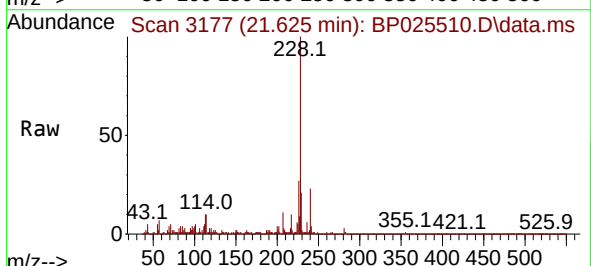
RT: 21.625 min Scan# 3177

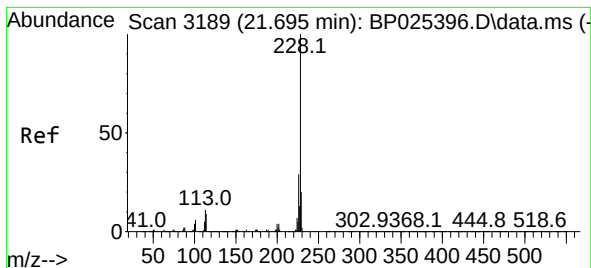
Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Tgt Ion:228	Resp: 746771
Ion Ratio	Lower Upper
228 100	
226 27.3	21.7 32.5
229 21.1	15.6 23.4





#83

Chrysene

Concen: 13.362 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

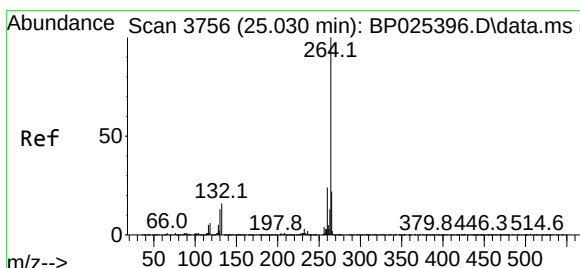
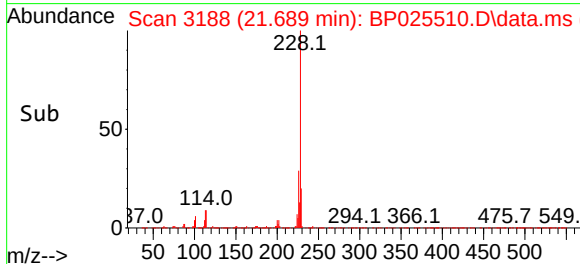
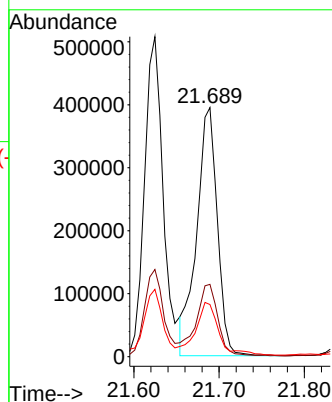
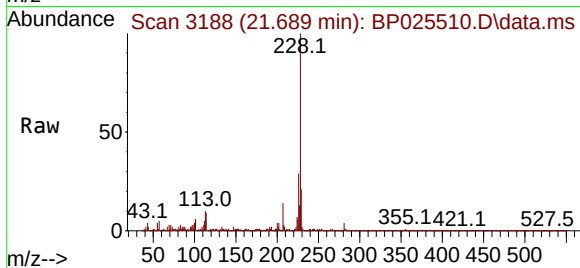
PL-02-081525

Tgt Ion:228 Resp: 66408
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.2 34.8
 229 21.0 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025



#86

Perylene-d12

Concen: 20.000 ng

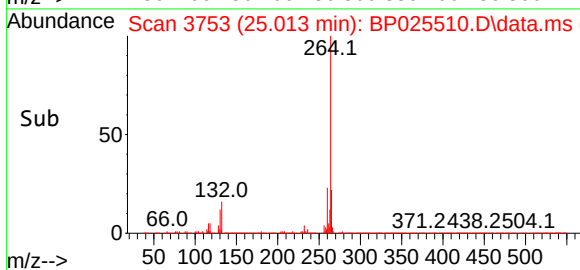
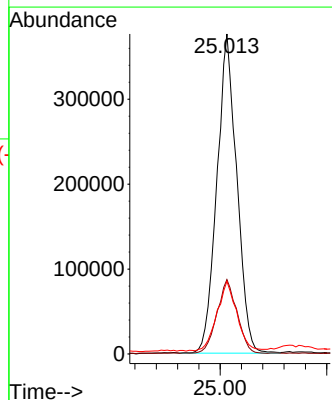
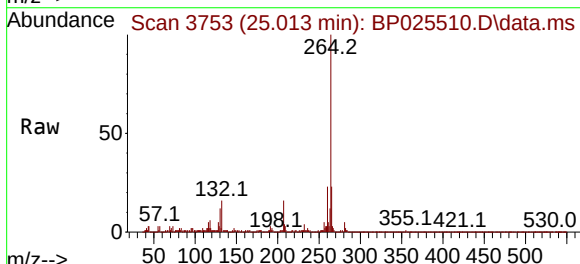
RT: 25.013 min Scan# 3753

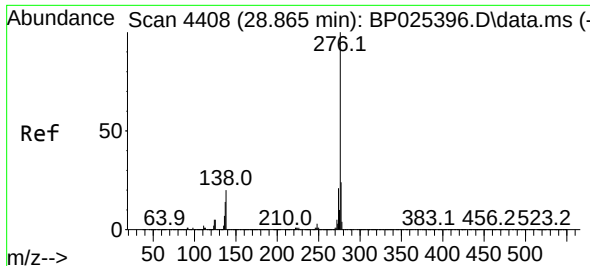
Delta R.T. -0.017 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Tgt Ion:264 Resp: 975499
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.3 28.9
 265 22.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.896 ng
RT: 28.848 min Scan# 4408
Delta R.T. -0.017 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

PL-02-081525

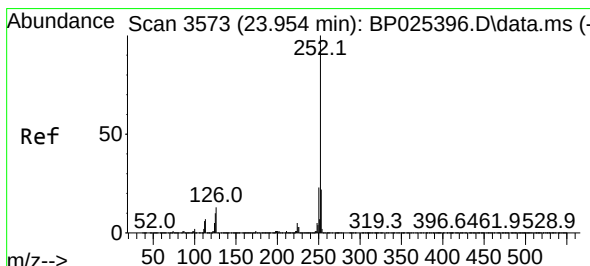
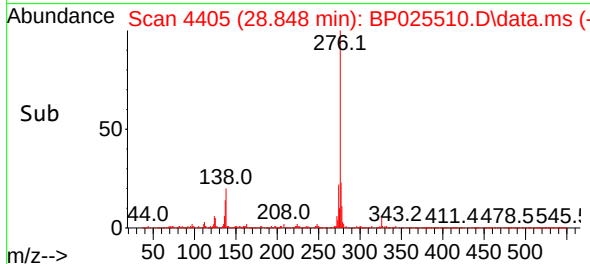
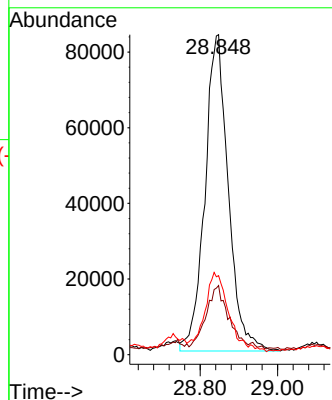
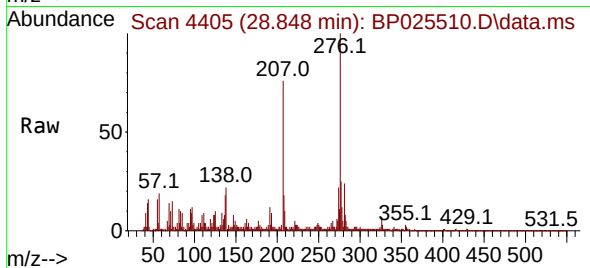
Tgt Ion:276 Resp: 350268
Ion Ratio Lower Upper
276 100
138 17.9 12.9 19.3
277 25.7 17.0 25.6

Manual Integrations

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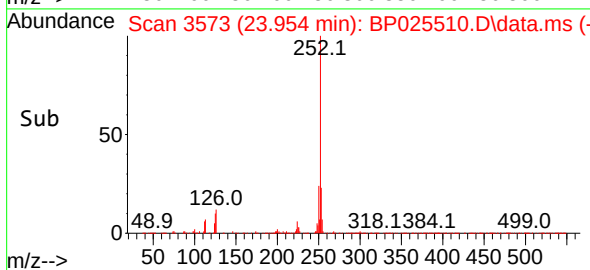
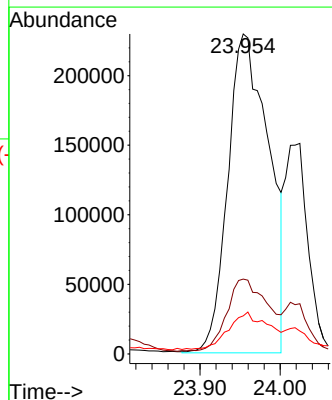
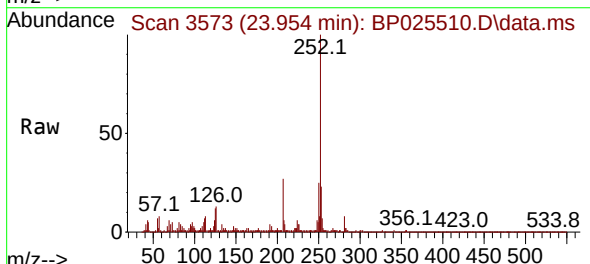
Reviewed By :Rahul Chavli 08/21/2025

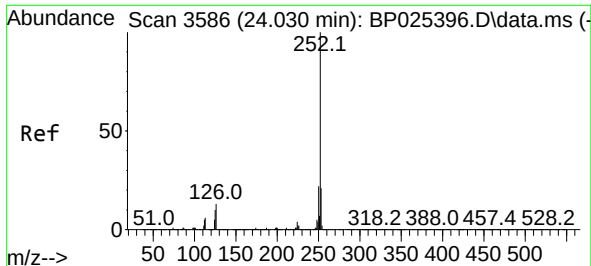
Supervised By :mohammad ahmed 08/22/2025



#88
Benzo(b)fluoranthene
Concen: 14.156 ng m
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

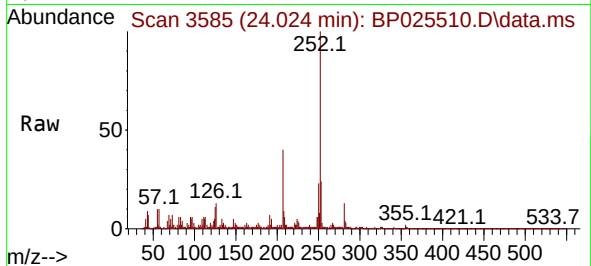
Tgt Ion:252 Resp: 814313
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 11.9 7.9 11.9#





#89
Benzo(k)fluoranthene
Concen: 5.034 ng
RT: 24.024 min Scan# 3586
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

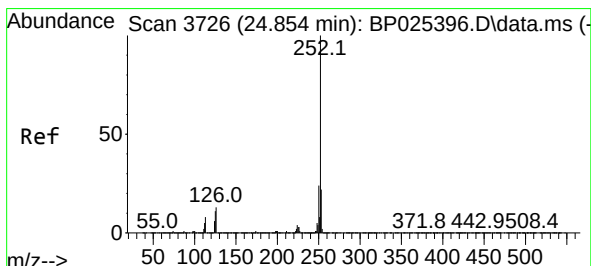
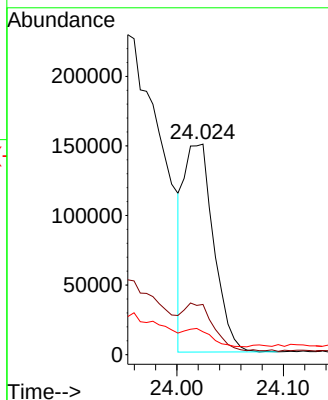
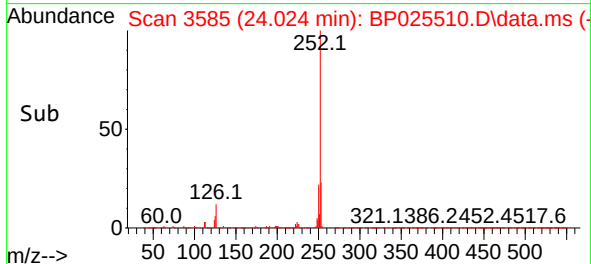
Instrument :
BNA_P
ClientSampleId :
PL-02-081525



Tgt Ion:252 Resp: 289759
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 10.9 7.8 11.6

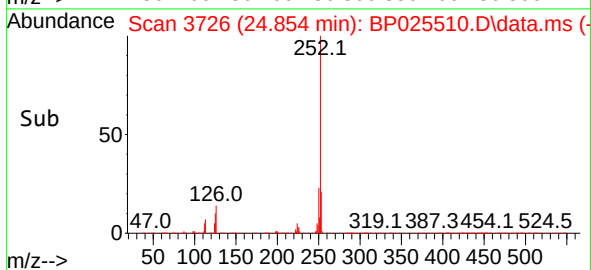
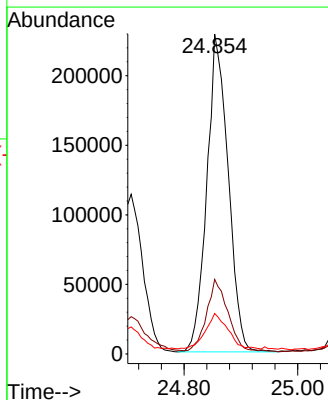
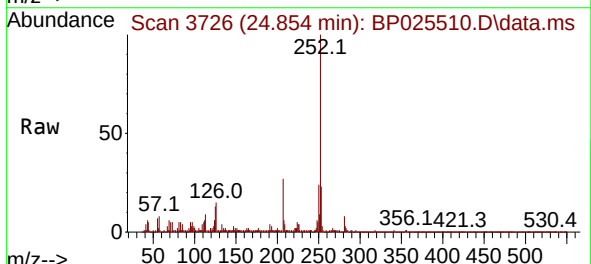
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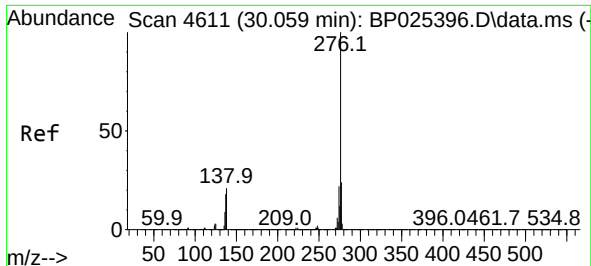
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#90
Benzo(a)pyrene
Concen: 10.623 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

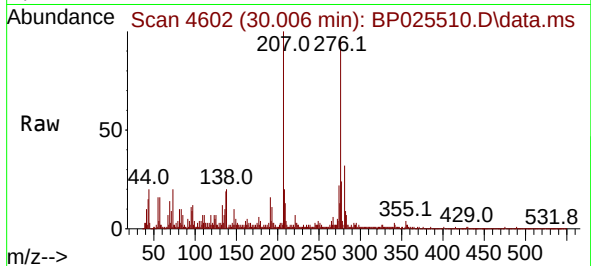
Tgt Ion:252 Resp: 594846
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.6 8.7 13.1





#92
Benzo(g,h,i)perylene
Concen: 5.104 ng
RT: 30.006 min Scan# 40
Delta R.T. -0.053 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_P
ClientSampleId :
PL-02-081525



Tgt Ion:276 Resp: 293324
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 20.6 16.7 25.1

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Supervised By :mohammad ahmed 08/22/2025

