

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
 Data File : BP025358.D
 Acq On : 11 Aug 2025 21:40
 Operator : CG/JU
 Sample : Q2809-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-08082025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/12/2025
 Supervised By :Jagrut Upadhyay 08/12/2025

Quant Time: Aug 12 01:02:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	247483	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	939296	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	576766	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1160149	20.000	ng	-0.01
76) Chrysene-d12	21.654	240	1186945	20.000	ng	0.00
86) Perylene-d12	25.036	264	1397664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	195910	12.732	ng	0.00
7) Phenol-d6	6.966	99	222241	10.974	ng	0.00
23) Nitrobenzene-d5	8.931	82	143797	8.481	ng	-0.01
42) 2,4,6-Tribromophenol	15.925	330	94086	16.352	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	364492	8.729	ng	0.00
79) Terphenyl-d14	19.936	244	600358	9.553	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.131	152	251769	4.655	ng	99
52) Acenaphthene	14.478	154	85567	2.593	ng	96
58) Fluorene	15.478	166	217479	5.616	ng	97
71) Phenanthrene	17.254	178	2452559	38.597	ng	99
72) Anthracene	17.354	178	876523	13.681	ng	100
75) Fluoranthene	19.342	202	3866510	52.564	ng	99
78) Pyrene	19.719	202	3527145	44.687	ng	99
81) Benzo(a)anthracene	21.630	228	1927470	24.437	ng	97
83) Chrysene	21.707	228	1635737	22.359	ng	97
87) Indeno(1,2,3-cd)pyrene	28.883	276	1244994	12.428	ng	# 92
88) Benzo(b)fluoranthene	23.971	252	2203334	26.335	ng	97
89) Benzo(k)fluoranthene	24.024	252	838258m	10.107	ng	
90) Benzo(a)pyrene	24.877	252	1853011	22.998	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	305416	3.723	ng	# 89
92) Benzo(g,h,i)perylene	30.071	276	1134346	14.087	ng	100

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

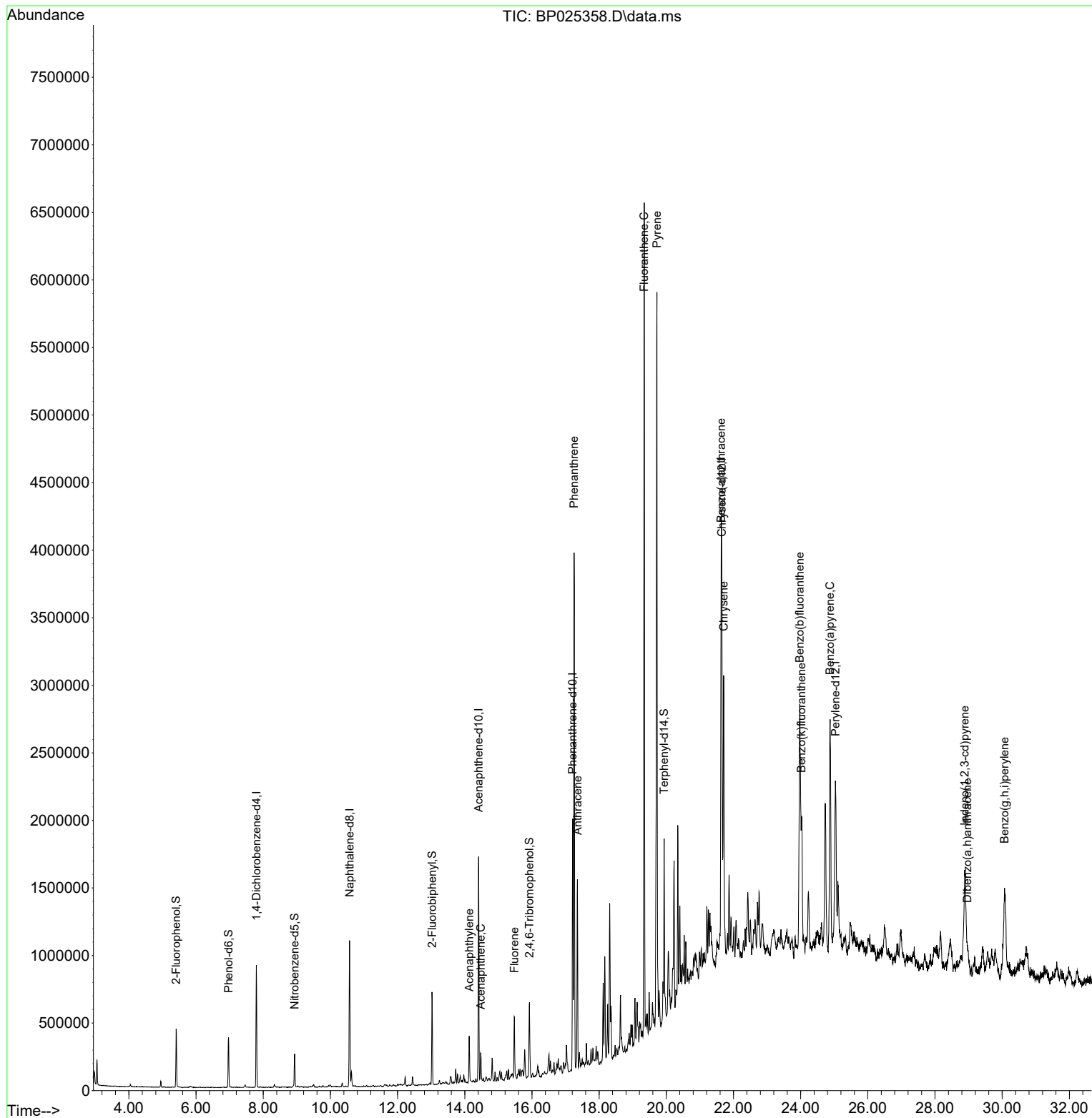
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025358.D
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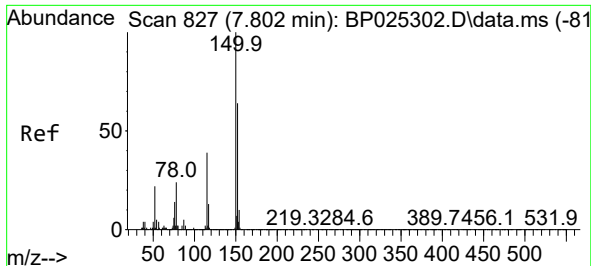
Instrument :
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OR-03-08082025

Quant Time: Aug 12 01:02:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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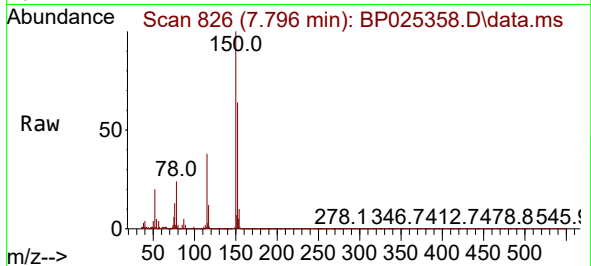
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

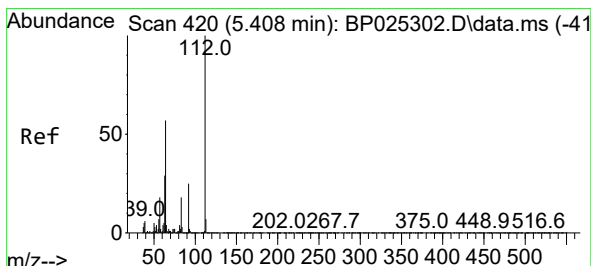
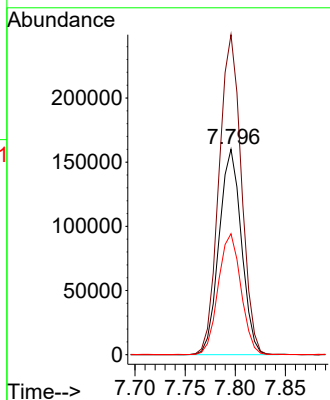
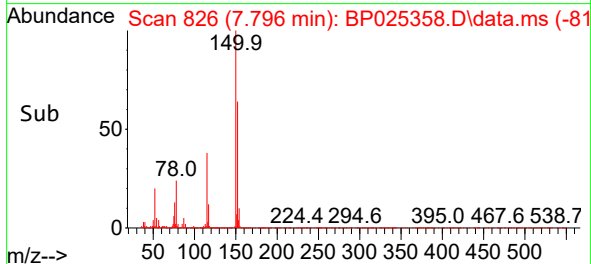
Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



Tgt Ion:152 Resp: 24748
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 58.9 48.4 72.6

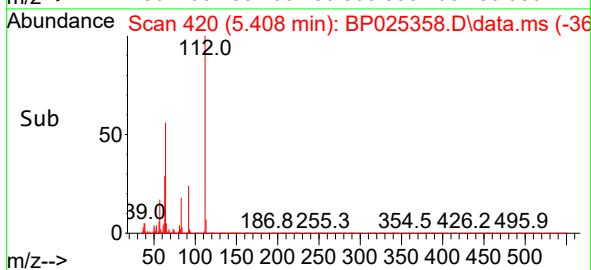
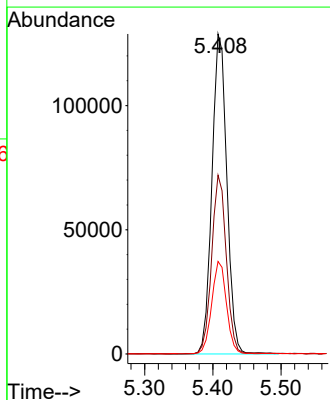
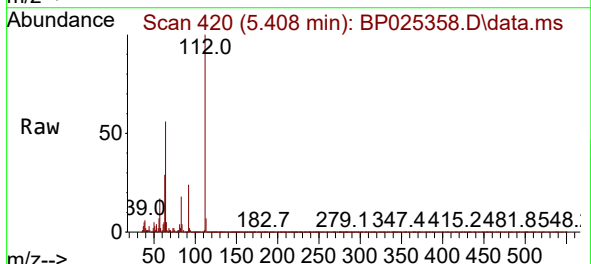
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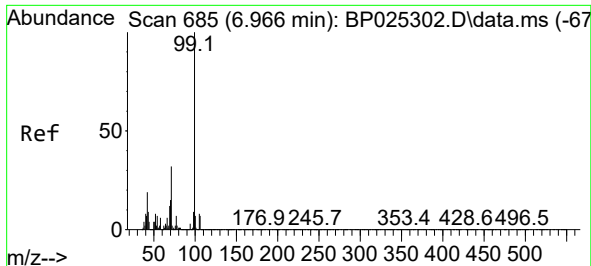
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#5
2-Fluorophenol
Concen: 12.732 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

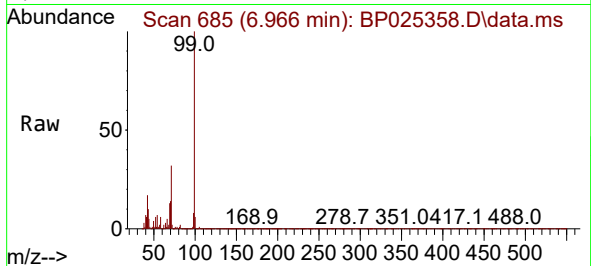
Tgt Ion:112 Resp: 195910
Ion Ratio Lower Upper
112 100
64 55.9 45.3 67.9
63 28.9 23.0 34.6





#7
Phenol-d6
Concen: 10.974 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

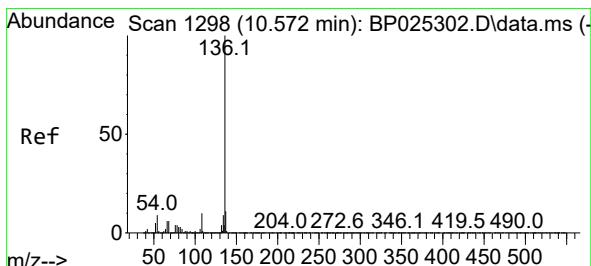
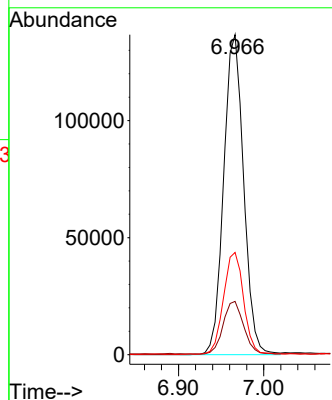
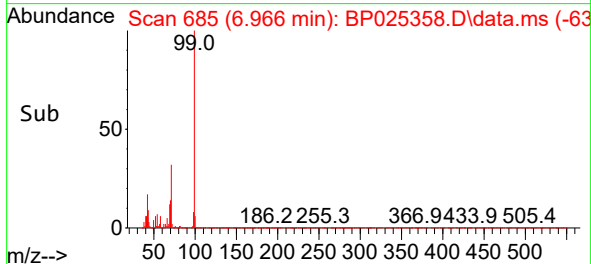
Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



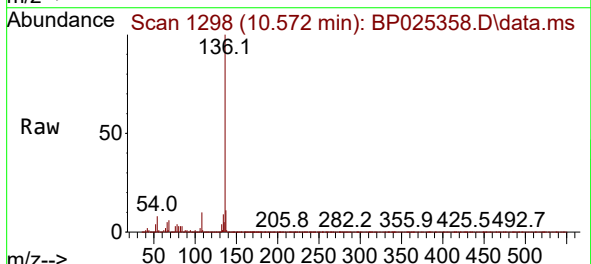
Tgt Ion: 99 Resp: 22224
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 32.0 25.5 38.3

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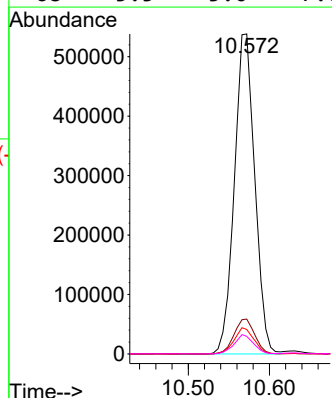
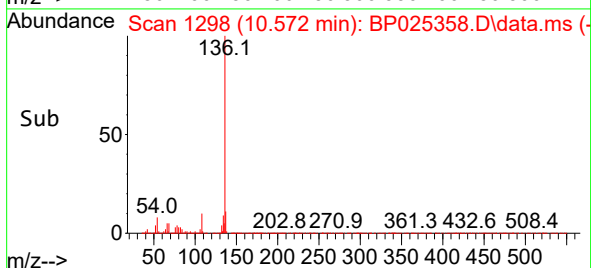
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

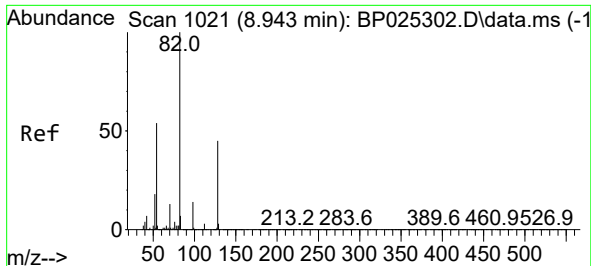


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40



Tgt Ion:136 Resp: 939296
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 7.0 10.6
68 5.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 8.481 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

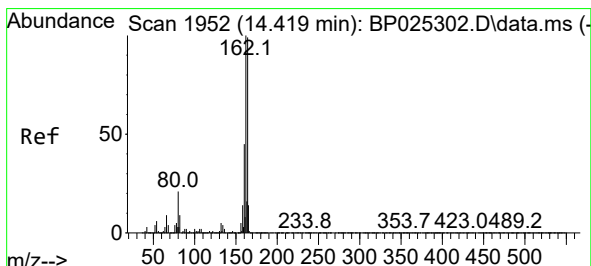
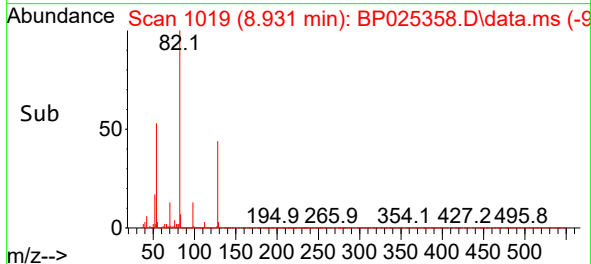
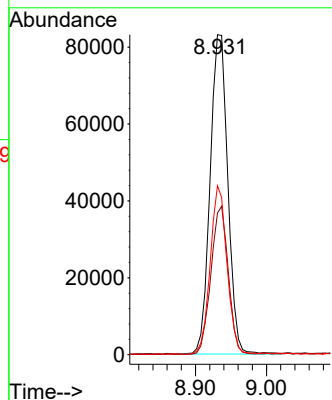
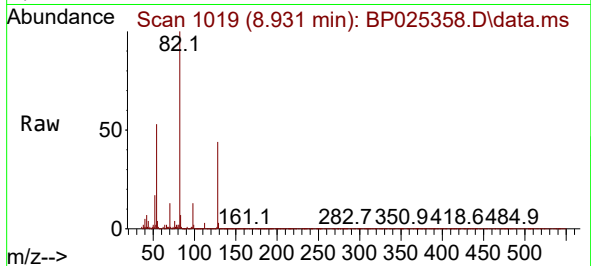
OR-03-08082025

Tgt Ion: 82 Resp: 14379
Ion Ratio Lower Upper
82 100
128 44.3 35.4 53.2
54 52.8 42.9 64.3

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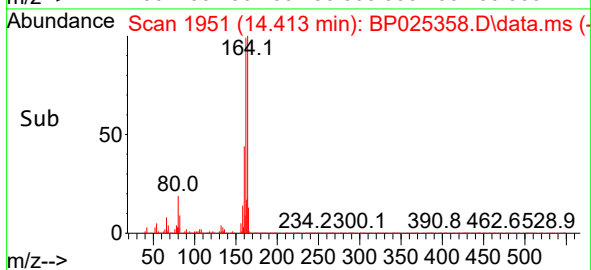
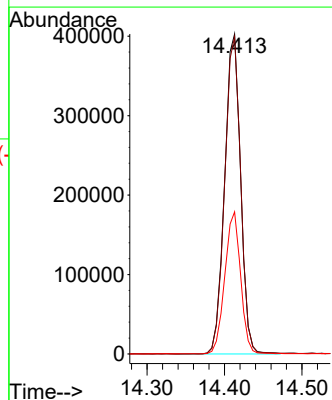
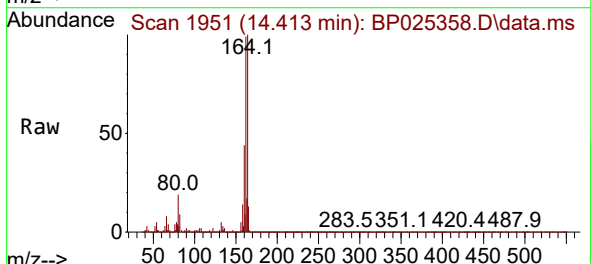
Reviewed By :Rahul Chavli 08/12/2025

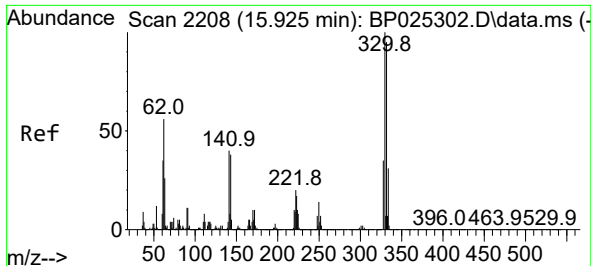
Supervised By :Jagrut Upadhyay 08/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Tgt Ion:164 Resp: 576766
Ion Ratio Lower Upper
164 100
162 99.1 80.6 120.8
160 44.4 35.9 53.9





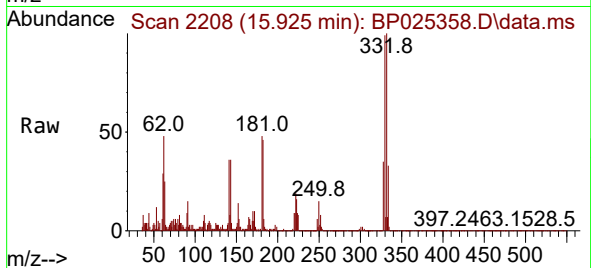
#42
2,4,6-Tribromophenol
Concen: 16.352 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025



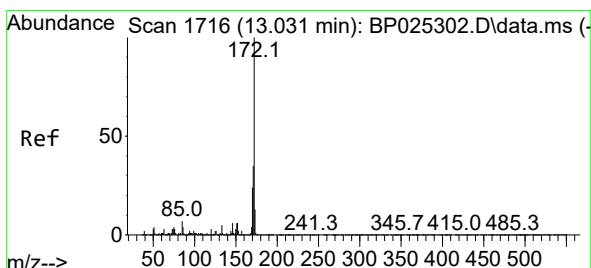
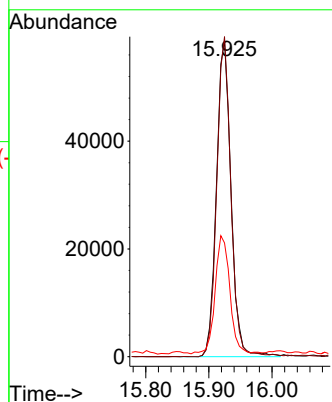
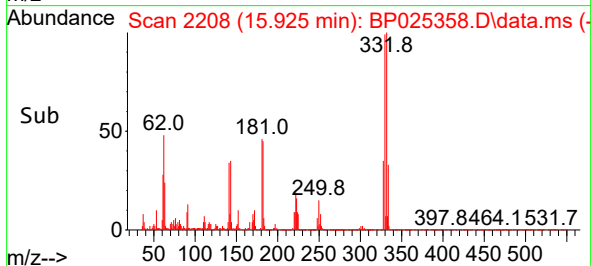
Tgt Ion:330 Resp: 94080
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 38.0 31.7 47.5

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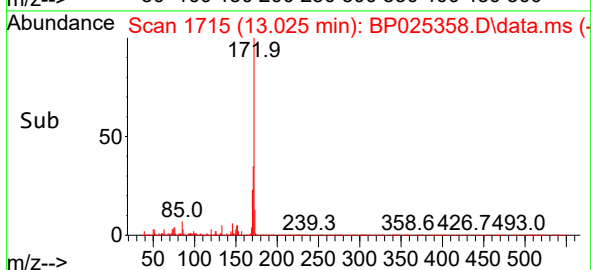
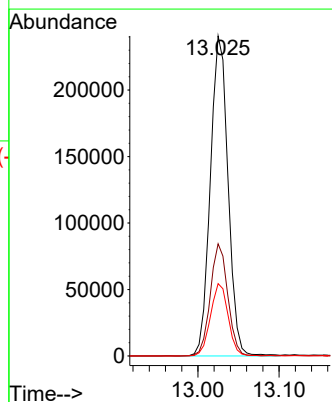
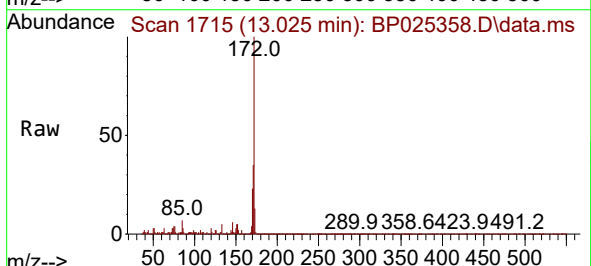
Reviewed By :Rahul Chavli 08/12/2025

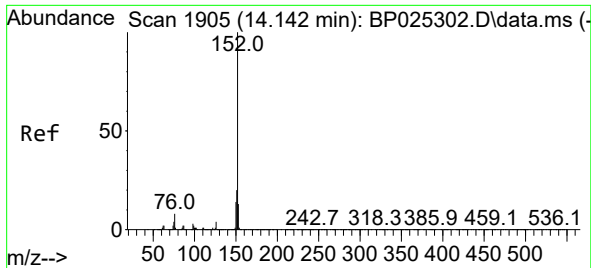
Supervised By :Jagrut Upadhyay 08/12/2025



#45
2-Fluorobiphenyl
Concen: 8.729 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Tgt Ion:172 Resp: 364492
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 22.6 18.9 28.3





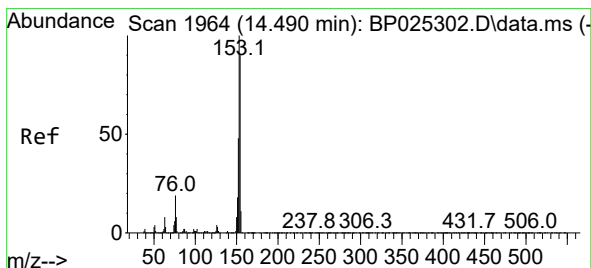
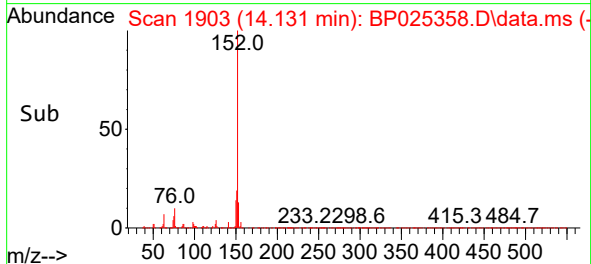
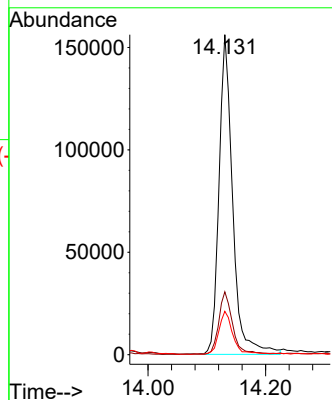
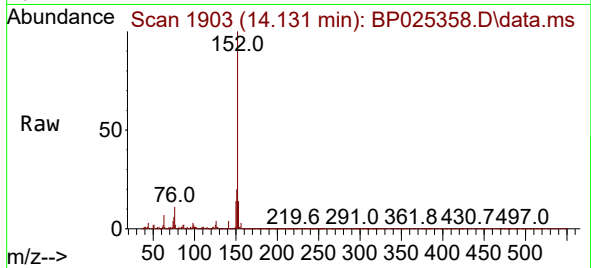
#49
Acenaphthylene
Concen: 4.655 ng
RT: 14.131 min Scan# 1903
Delta R.T. -0.011 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Instrument :
BNA_P
ClientSampleId :
OR-03-08082025

Tgt Ion:152 Resp: 251769
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.6 10.4 15.6

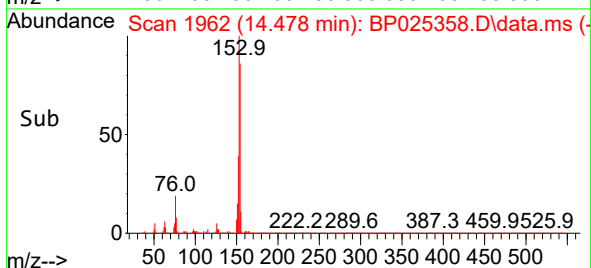
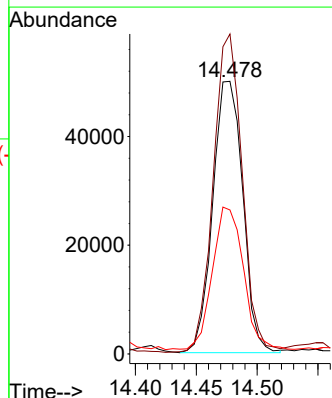
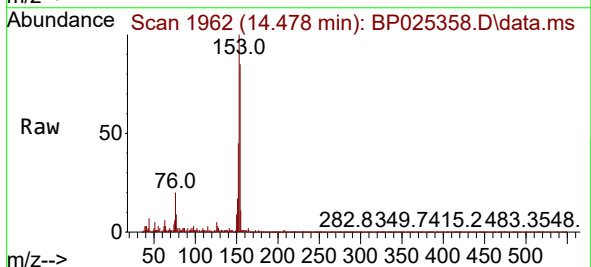
Manual Integrations
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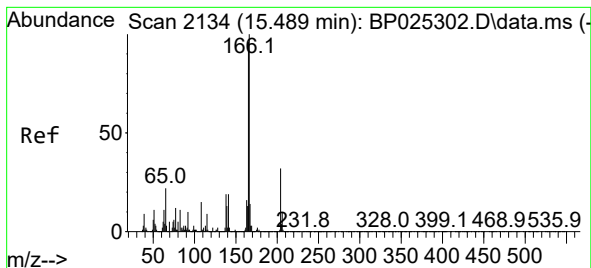
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#52
Acenaphthene
Concen: 2.593 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Tgt Ion:154 Resp: 85567
Ion Ratio Lower Upper
154 100
153 117.4 89.4 134.0
152 52.8 43.0 64.6





#58

Fluorene

Concen: 5.616 ng

RT: 15.478 min Scan# 2134

Delta R.T. -0.011 min

Lab File: BP025358.D

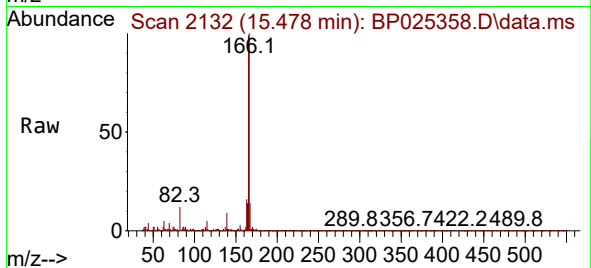
Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025



Tgt Ion:166 Resp: 217479

Ion Ratio Lower Upper

166 100

165 99.2 76.7 115.1

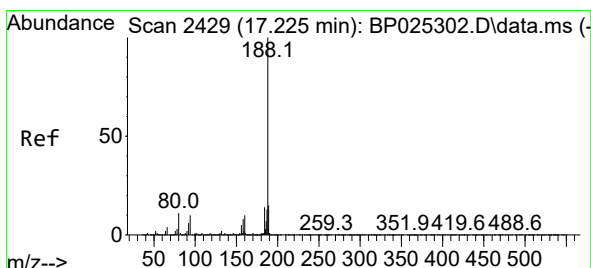
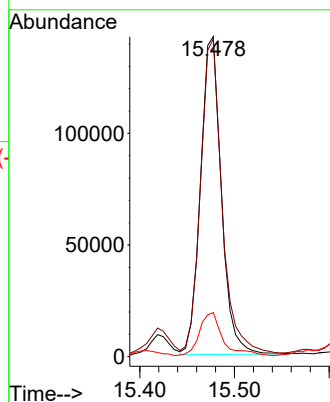
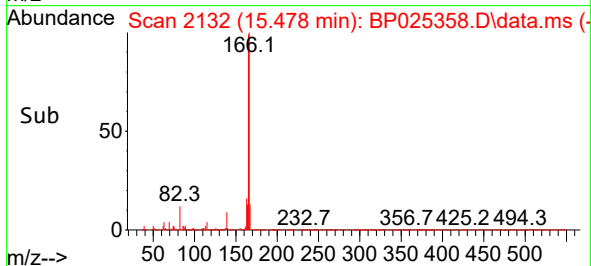
167 13.8 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/12/2025

Supervised By :Jagrut Upadhyay 08/12/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2427

Delta R.T. -0.012 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

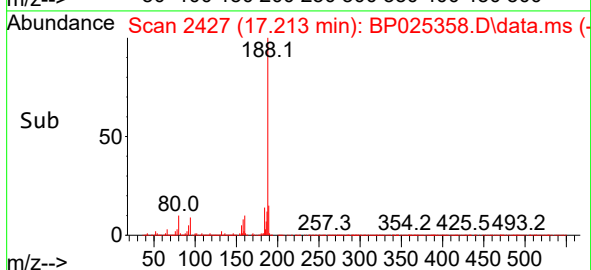
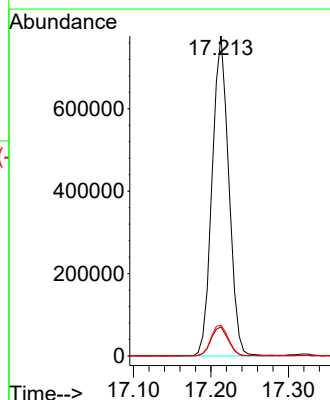
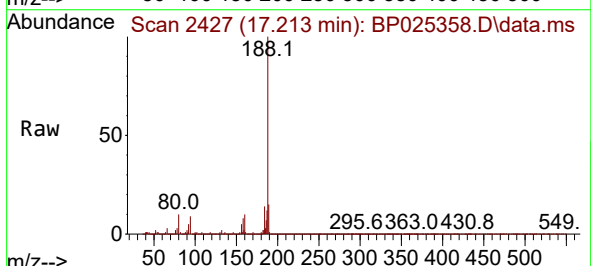
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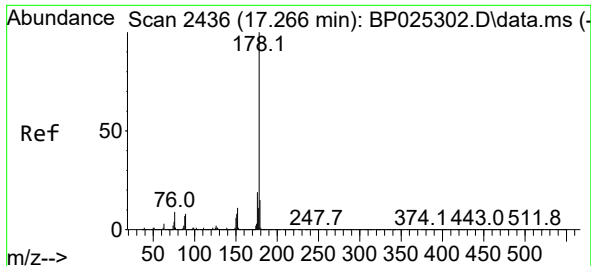
Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

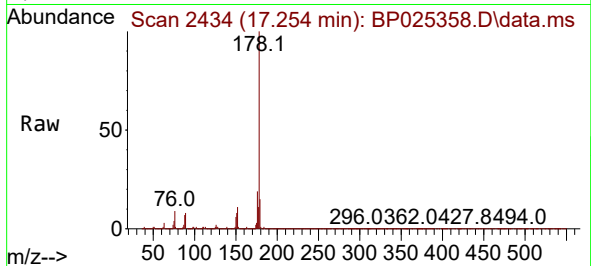
80 9.6 8.5 12.7





#71
Phenanthrene
Concen: 38.597 ng
RT: 17.254 min Scan# 2436
Delta R.T. -0.012 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

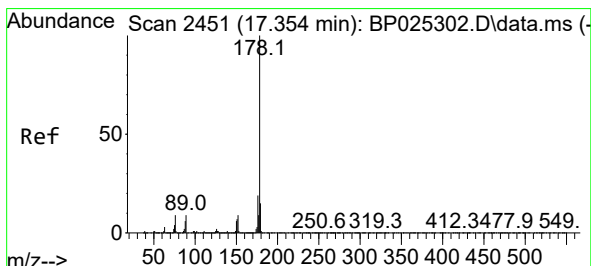
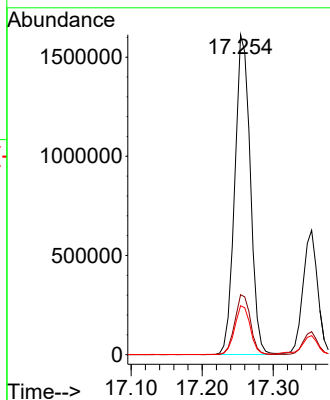
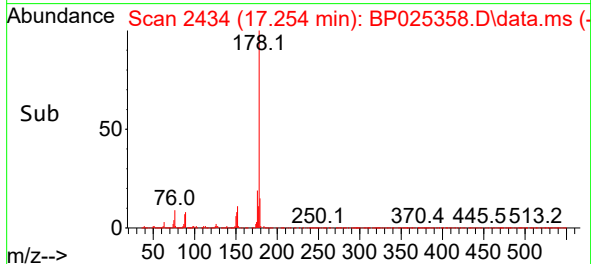
Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



Tgt Ion:178 Resp: 245255
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.3 12.1 18.1

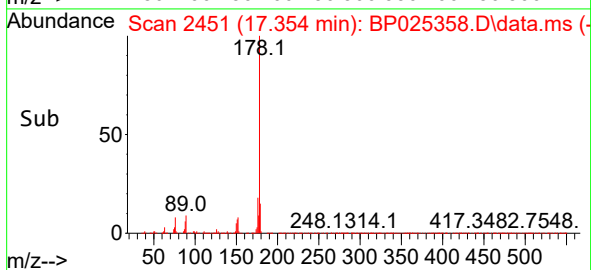
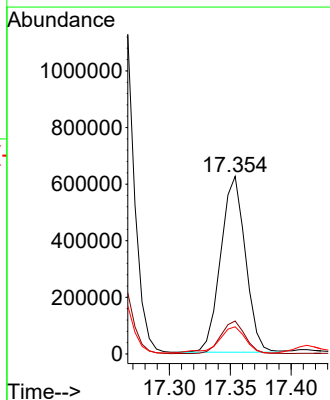
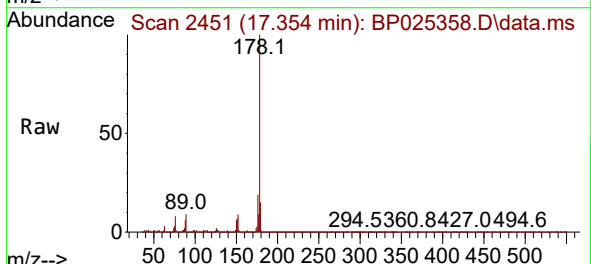
Manual Integrations
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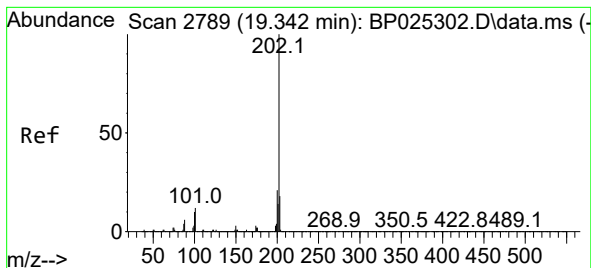
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#72
Anthracene
Concen: 13.681 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

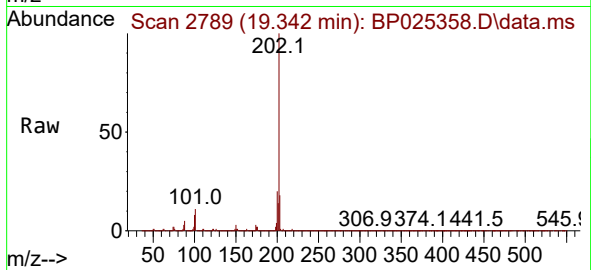
Tgt Ion:178 Resp: 876523
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 52.564 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

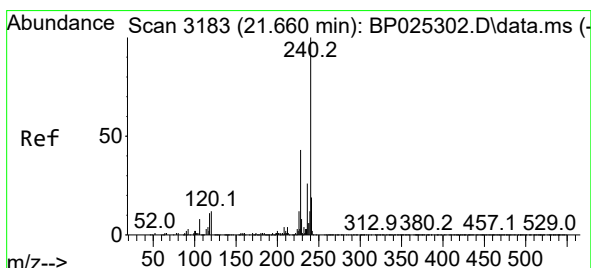
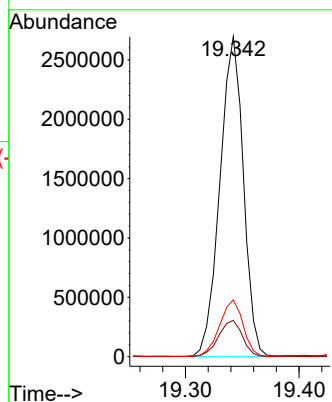
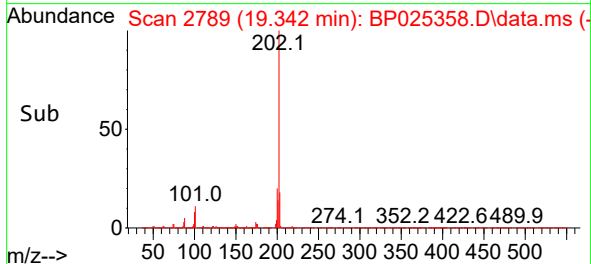
Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



Tgt Ion:202 Resp: 3866510
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.5
203 17.8 0.0 37.6

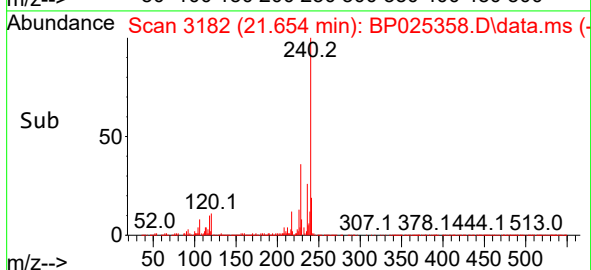
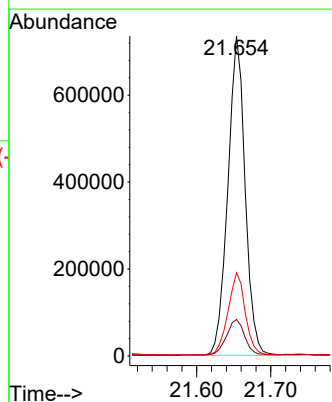
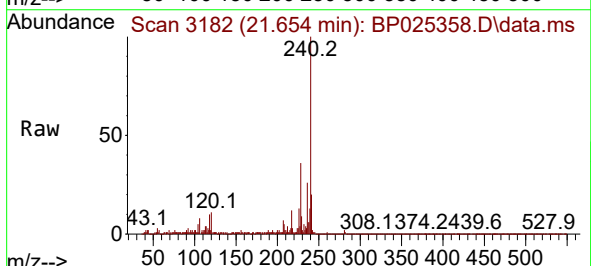
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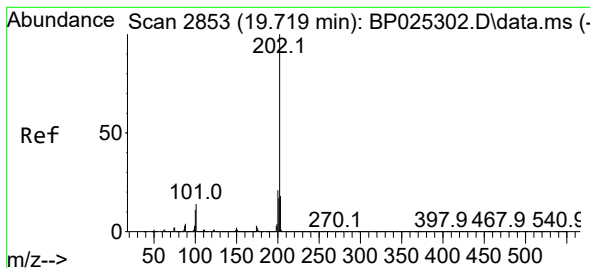
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Tgt Ion:240 Resp: 1186945
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 26.0 20.4 30.6





#78

Pyrene

Concen: 44.687 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025

Tgt Ion:202 Resp: 352714

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

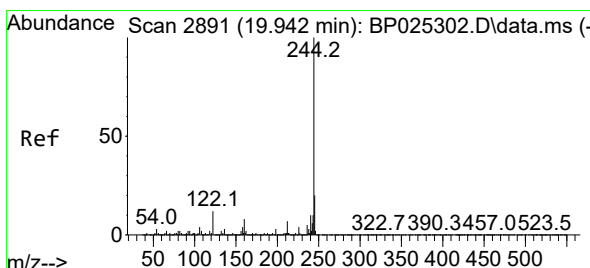
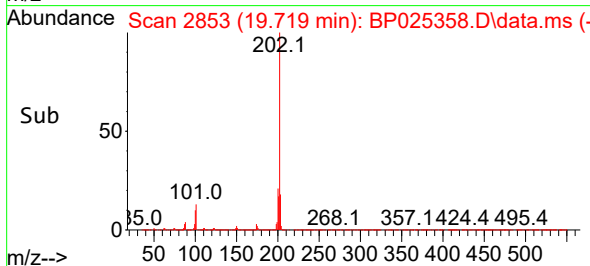
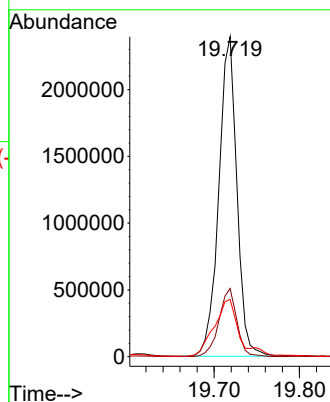
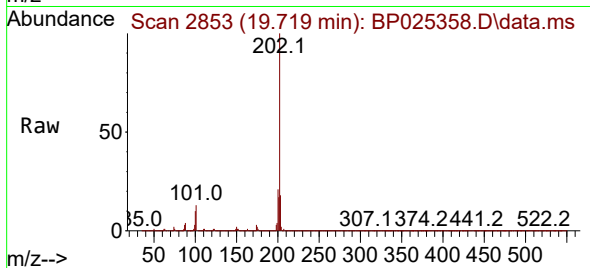
203 17.9 14.1 21.1

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Reviewed By :Rahul Chavli 08/12/2025

Supervised By :Jagrut Upadhyay 08/12/2025



#79

Terphenyl-d14

Concen: 9.553 ng

RT: 19.936 min Scan# 2890

Delta R.T. -0.006 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

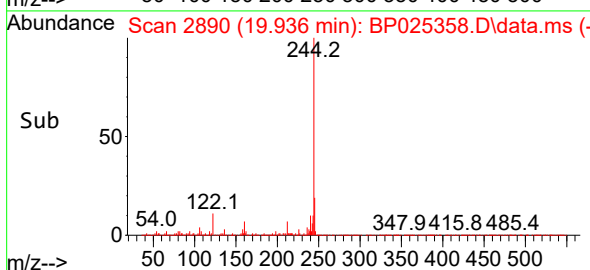
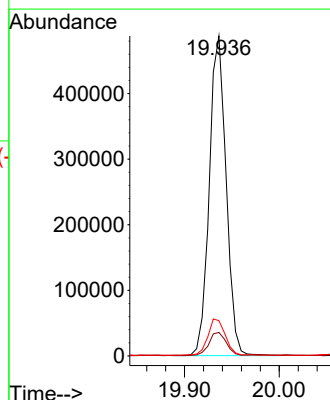
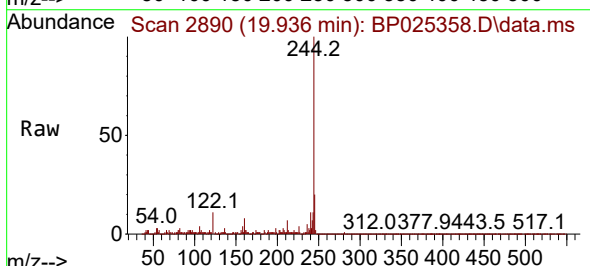
Tgt Ion:244 Resp: 600358

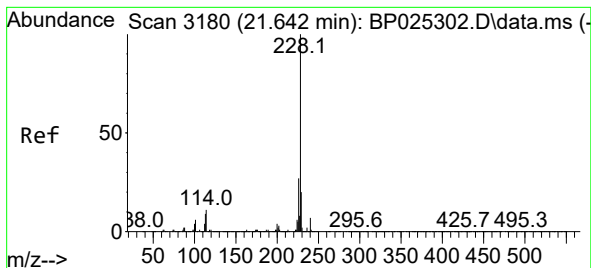
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 11.1 9.5 14.3





#81

Benzo(a)anthracene

Concen: 24.437 ng

RT: 21.630 min Scan# 3180

Delta R.T. -0.012 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025

Tgt Ion:228 Resp: 1927470

Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.8

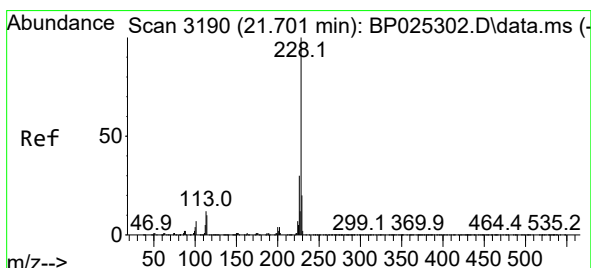
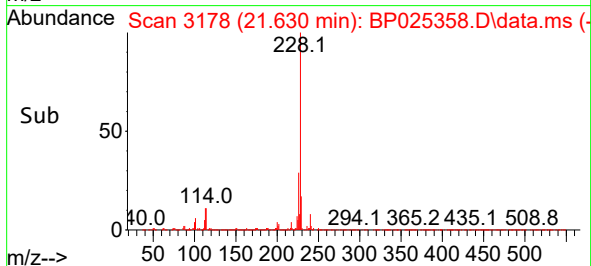
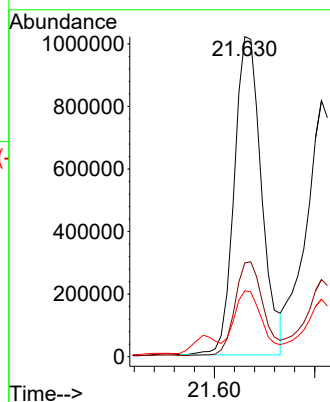
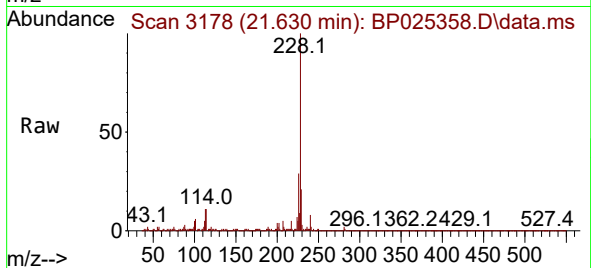
229 20.6 16.0 24.0

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Reviewed By :Rahul Chavli 08/12/2025

Supervised By :Jagrut Upadhyay 08/12/2025



#83

Chrysene

Concen: 22.359 ng

RT: 21.707 min Scan# 3191

Delta R.T. 0.006 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

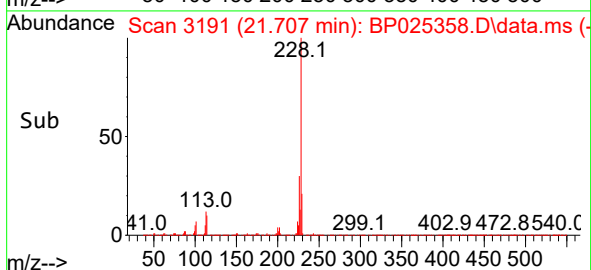
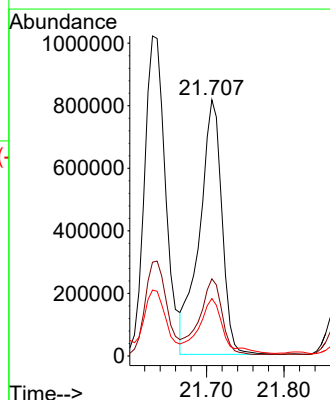
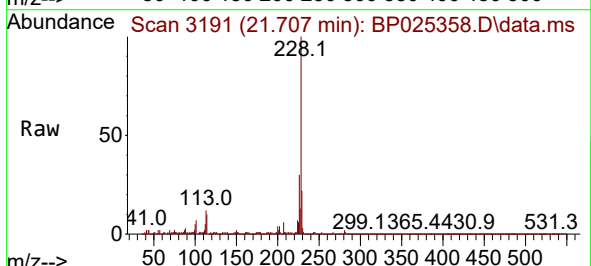
Tgt Ion:228 Resp: 1635737

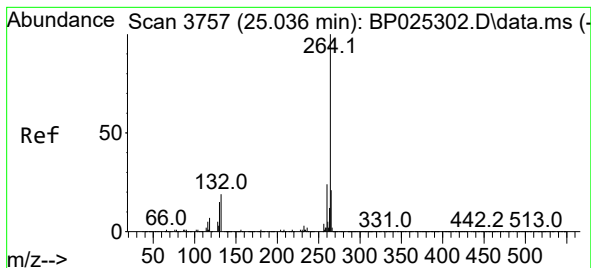
Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

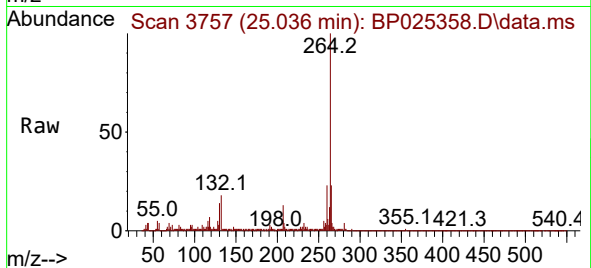
229 22.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

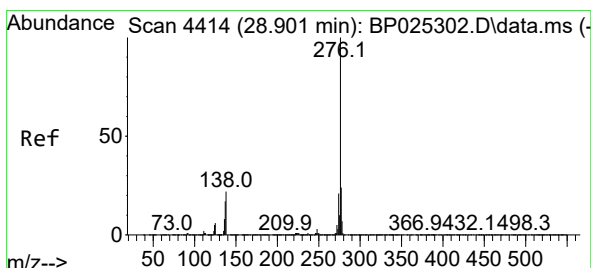
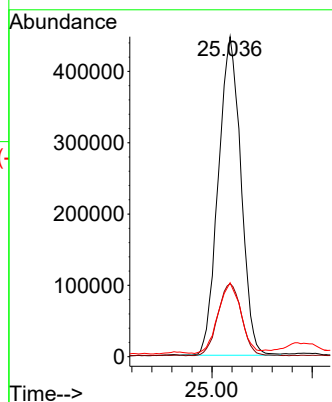
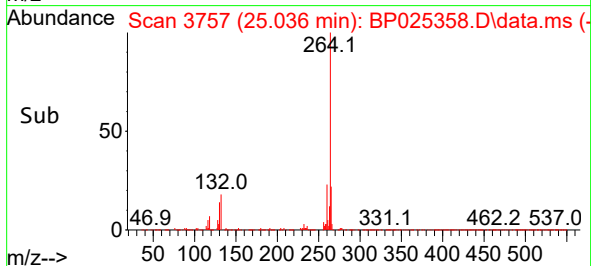
Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



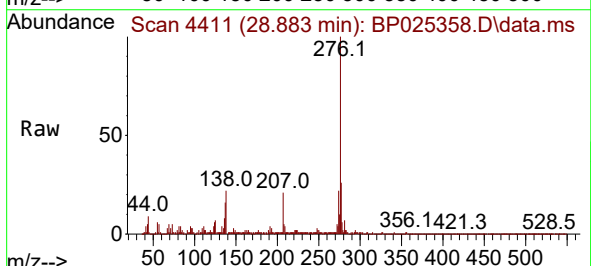
Tgt Ion:264 Resp: 1397664
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 23.1 17.1 25.7

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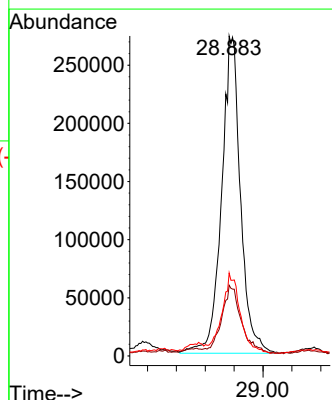
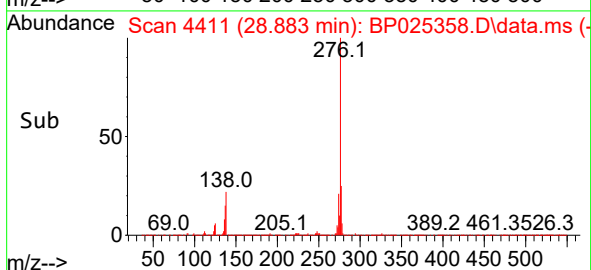
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

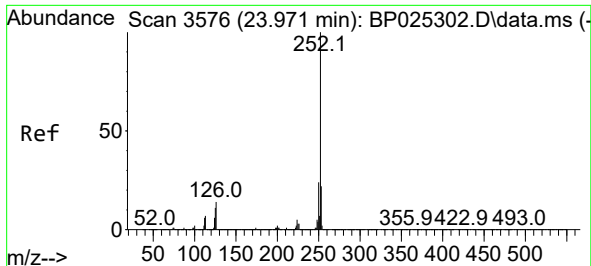


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.428 ng
RT: 28.883 min Scan# 4411
Delta R.T. -0.018 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40



Tgt Ion:276 Resp: 1244994
Ion Ratio Lower Upper
276 100
138 22.2 14.6 22.0#
277 24.1 16.8 25.2





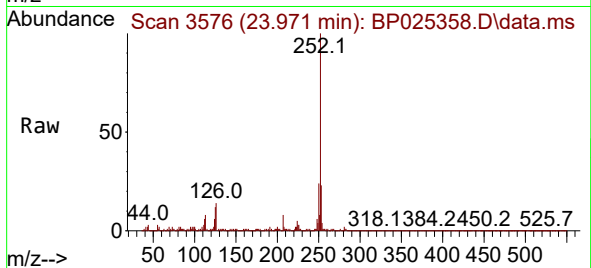
#88
Benzo(b)fluoranthene
Concen: 26.335 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025



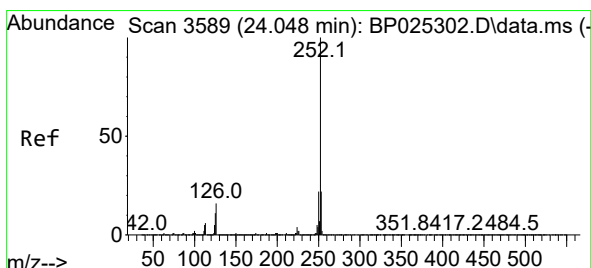
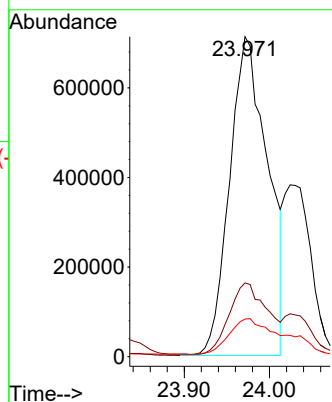
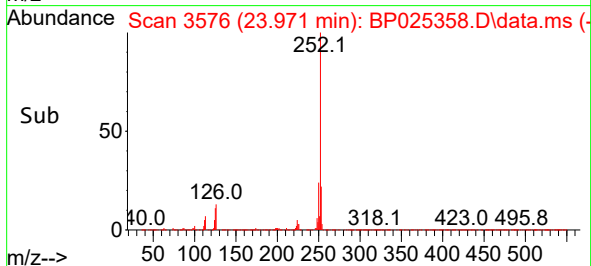
Tgt Ion:252 Resp: 2203334
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.8 8.5 12.7

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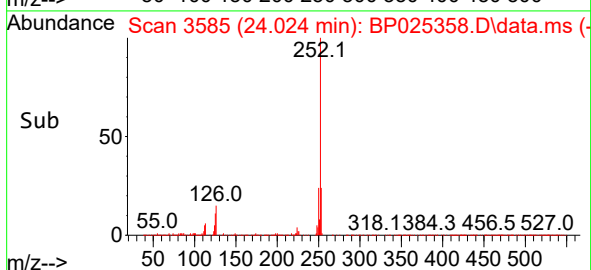
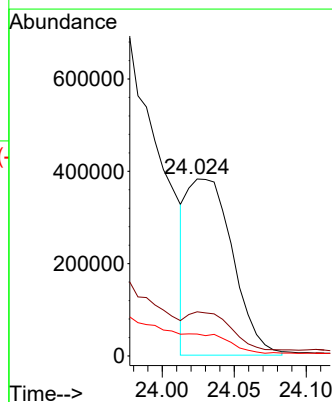
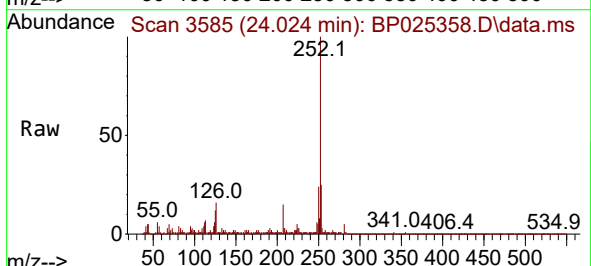
Reviewed By :Rahul Chavli 08/12/2025

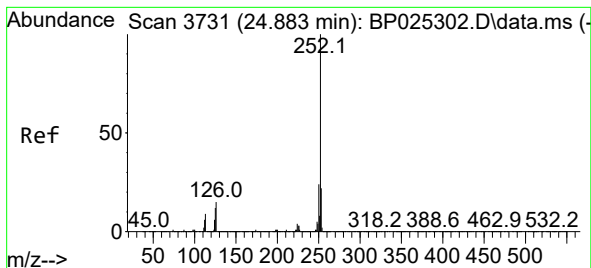
Supervised By :Jagrut Upadhyay 08/12/2025



#89
Benzo(k)fluoranthene
Concen: 10.107 ng m
RT: 24.024 min Scan# 3585
Delta R.T. -0.024 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Tgt Ion:252 Resp: 838258
Ion Ratio Lower Upper
252 100
253 25.0 17.6 26.4
125 12.4 8.5 12.7





#90

Benzo(a)pyrene

Concen: 22.998 ng

RT: 24.877 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

Instrument :

BNA_P

ClientSampleId :

OR-03-08082025

Tgt Ion:252 Resp: 185301

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

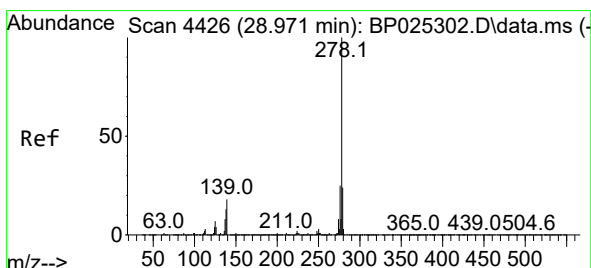
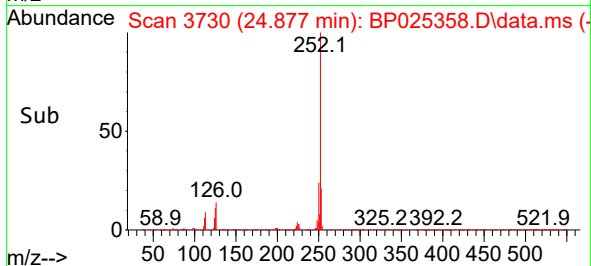
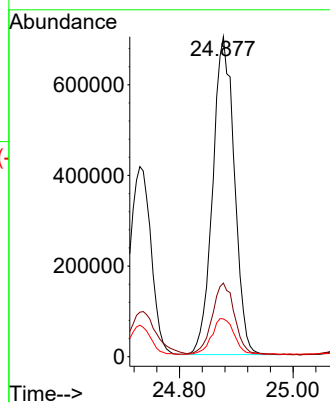
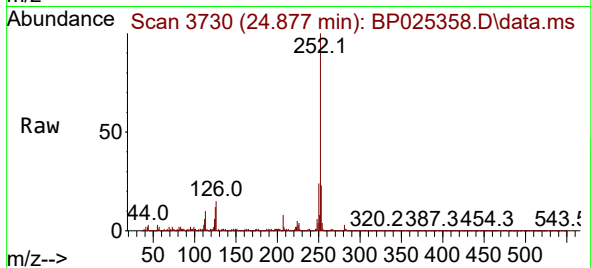
125 11.8 9.4 14.0

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Reviewed By :Rahul Chavli 08/12/2025

Supervised By :Jagrut Upadhyay 08/12/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.723 ng

RT: 28.959 min Scan# 4424

Delta R.T. -0.012 min

Lab File: BP025358.D

Acq: 11 Aug 2025 21:40

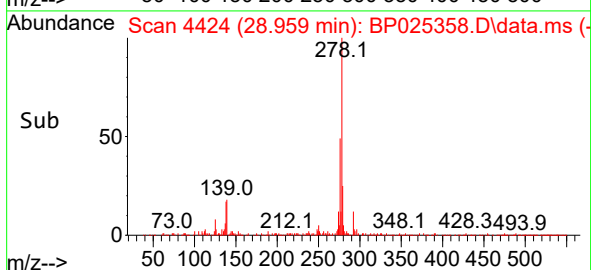
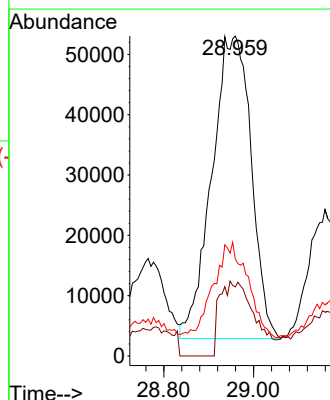
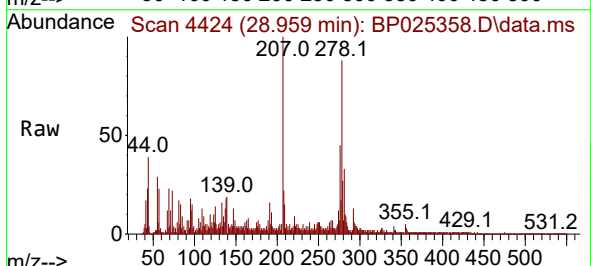
Tgt Ion:278 Resp: 305416

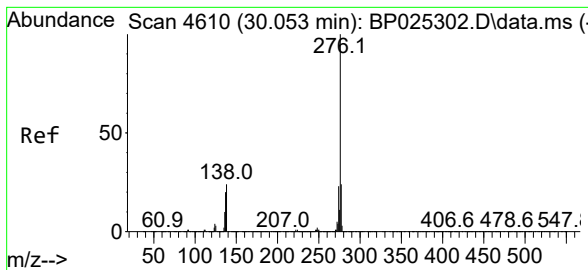
Ion Ratio Lower Upper

278 100

139 21.5 14.6 22.0

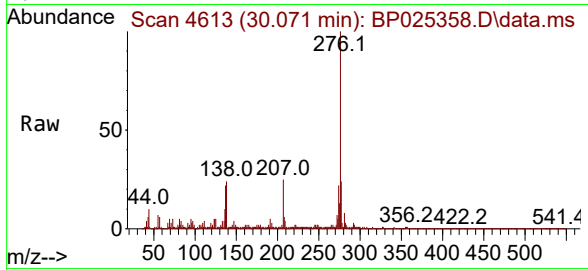
279 30.3 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 14.087 ng
RT: 30.071 min Scan# 4613
Delta R.T. 0.018 min
Lab File: BP025358.D
Acq: 11 Aug 2025 21:40

Instrument :
BNA_P
ClientSampleId :
OR-03-08082025



Tgt Ion: 276 Resp: 113434
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 24.2 19.1 28.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

