

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024884.D
 Acq On : 09 Jun 2025 19:38
 Operator : RC/JU
 Sample : Q2248-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-060525

Quant Time: Jun 10 01:31:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	440947	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	1775579	20.000	ng	0.00
39) Acenaphthene-d10	14.243	164	1093533	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	2041613	20.000	ng	-0.02
76) Chrysene-d12	21.466	240	1547318	20.000	ng	-0.02
86) Perylene-d12	24.718	264	1754333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2272165	86.013	ng	0.00
7) Phenol-d6	6.814	99	2987397	85.472	ng	0.00
23) Nitrobenzene-d5	8.755	82	1886654	51.633	ng	0.00
42) 2,4,6-Tribromophenol	15.760	330	1351905	89.419	ng	-0.02
45) 2-Fluorobiphenyl	12.848	172	4119445	50.747	ng	-0.01
79) Terphenyl-d14	19.772	244	5322418	61.649	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	13.966	152	208233	2.045	ng	99
52) Acenaphthene	14.307	154	156942	2.689	ng	99
58) Fluorene	15.307	166	168327	2.224	ng	99
71) Phenanthrene	17.084	178	2448923	21.706	ng	100
72) Anthracene	17.178	178	924998	8.095	ng	99
75) Fluoranthene	19.172	202	7754425	59.300	ng	99
78) Pyrene	19.548	202	6882043	71.193	ng	99
81) Benzo(a)anthracene	21.448	228	4463255	45.100	ng	99
83) Chrysene	21.513	228	4228870	45.098	ng	97
87) Indeno(1,2,3-cd)pyrene	28.418	276	3530068	27.579	ng	96
88) Benzo(b)fluoranthene	23.695	252	6581891	65.556	ng	98
89) Benzo(k)fluoranthene	23.754	252	2336895m	22.866	ng	
90) Benzo(a)pyrene	24.560	252	4765662	48.604	ng	98
91) Dibenzo(a,h)anthracene	28.442	278	929921m	8.925	ng	
92) Benzo(g,h,i)perylene	29.565	276	3566490	34.500	ng	98

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

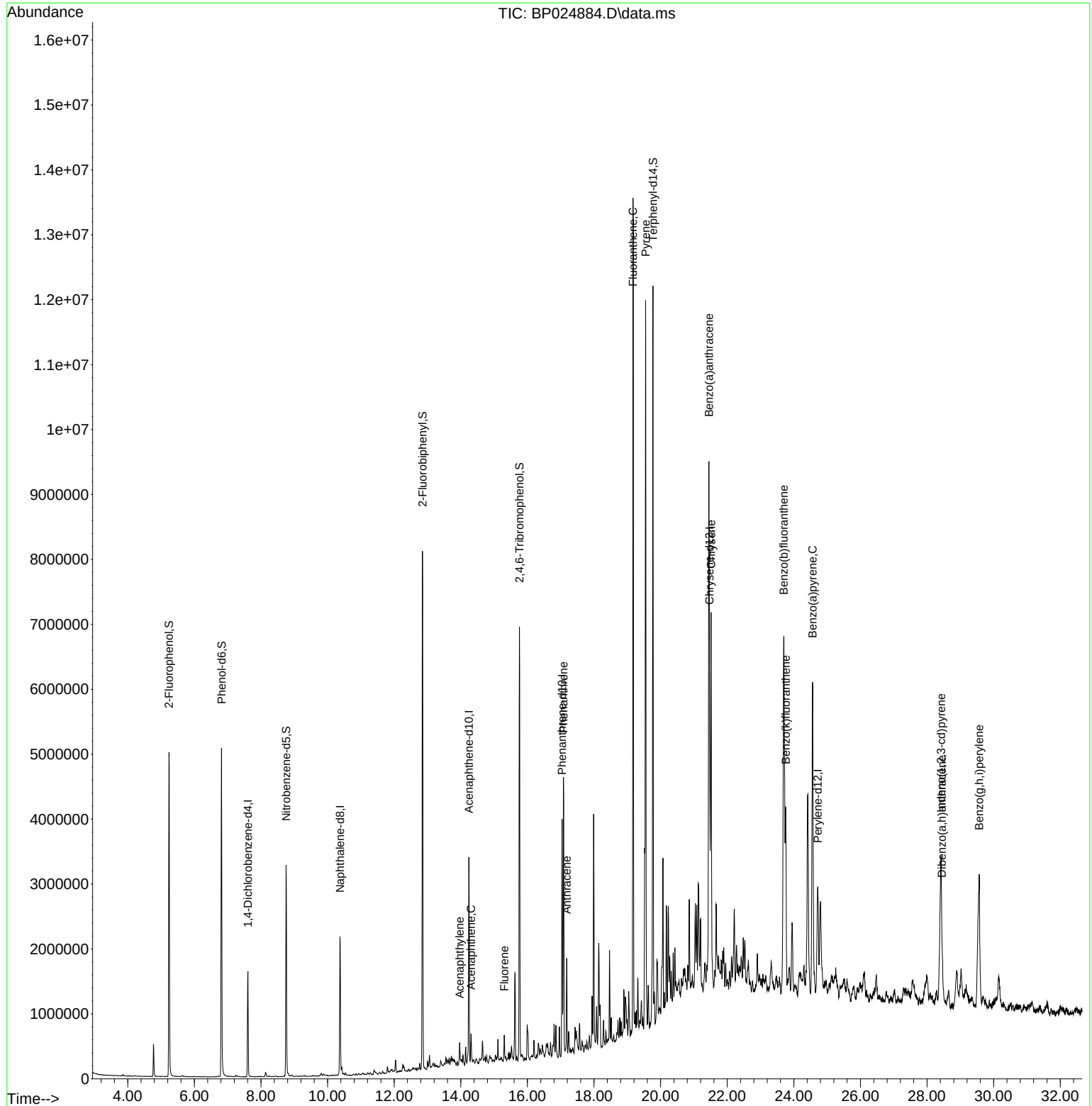
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024884.D
Acq On : 09 Jun 2025 19:38
Operator : RC/JU
Sample : Q2248-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

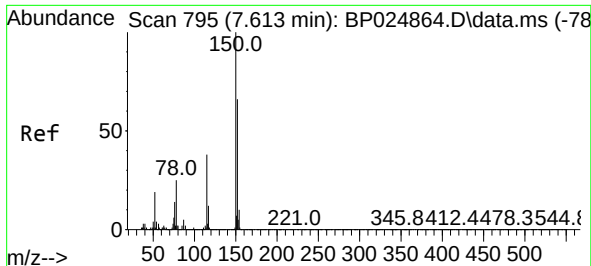
Instrument :
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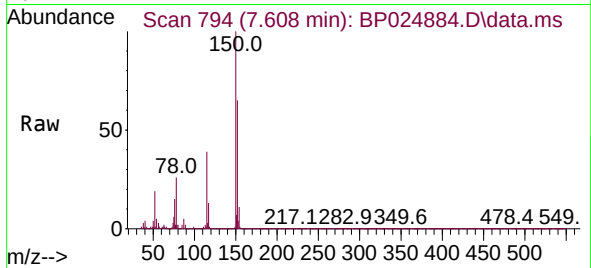
Quant Time: Jun 10 01:31:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

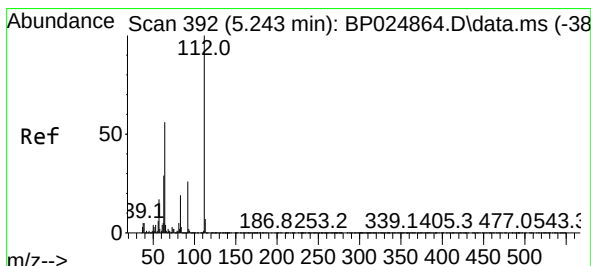
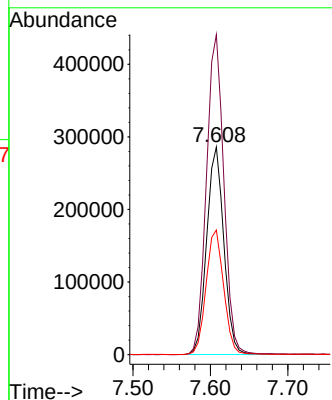
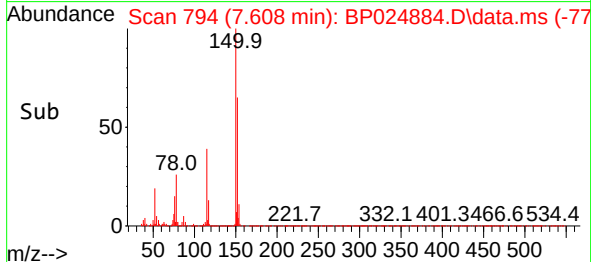
Instrument :
BNA_P
ClientSampleId :
TR-05-060525



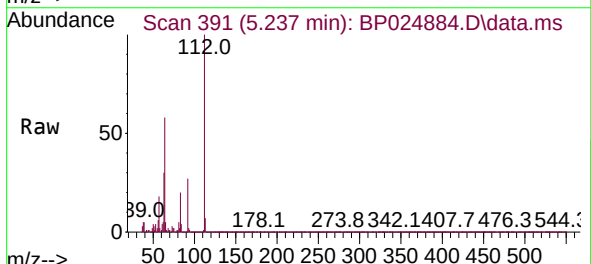
Tgt Ion:152 Resp: 440947
Ion Ratio Lower Upper
152 100
150 154.1 122.1 183.1
115 60.0 46.4 69.6

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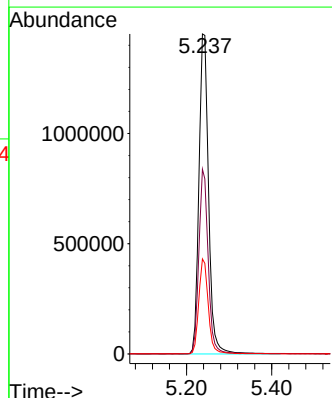
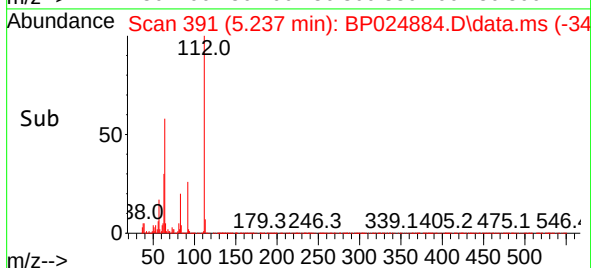
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

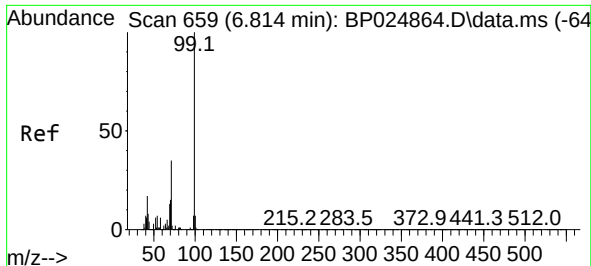


#5
2-Fluorophenol
Concen: 86.013 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38



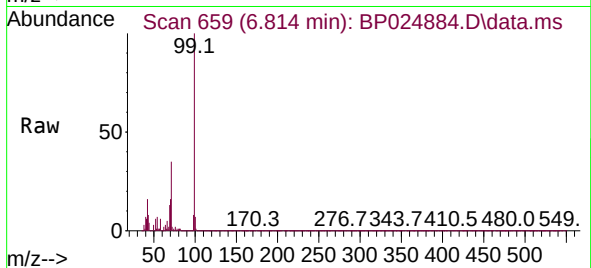
Tgt Ion:112 Resp: 2272165
Ion Ratio Lower Upper
112 100
64 57.7 44.7 67.1
63 29.7 23.5 35.3





#7
Phenol-d6
Concen: 85.472 ng
RT: 6.814 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

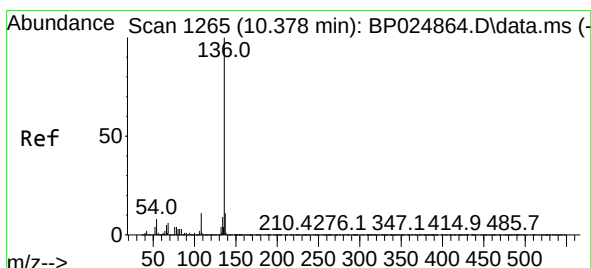
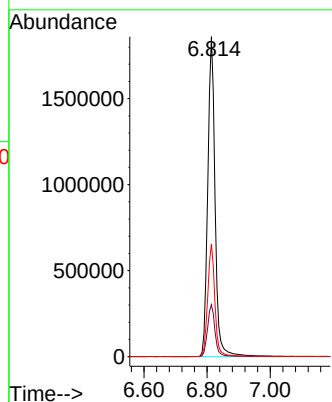
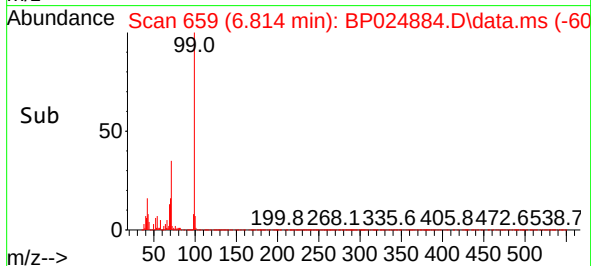
Instrument :
BNA_P
ClientSampleId :
TR-05-060525



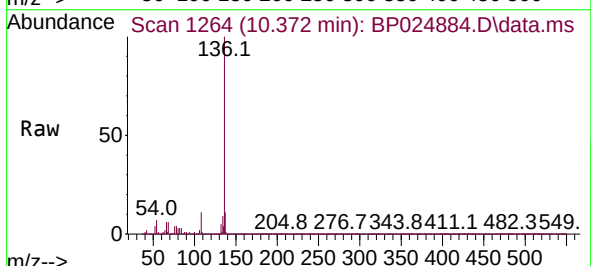
Tgt Ion: 99 Resp: 298739
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 35.2 27.6 41.4

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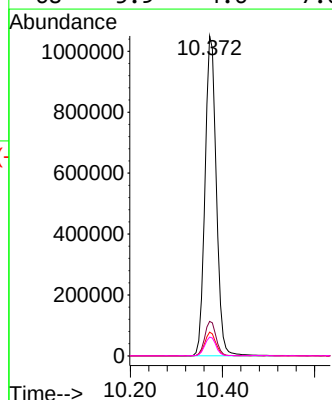
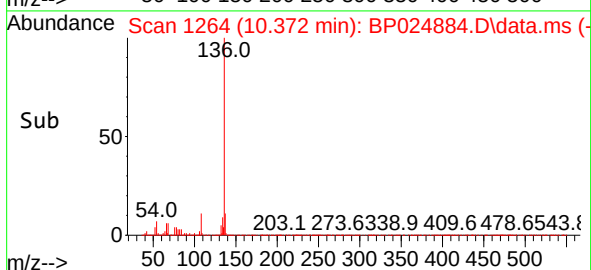
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

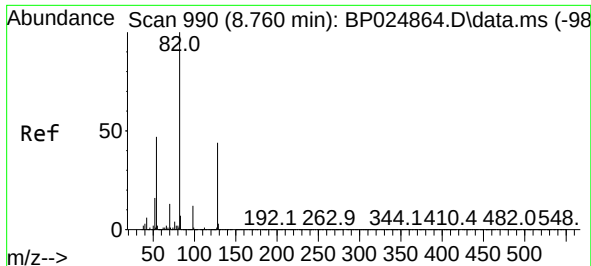


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38



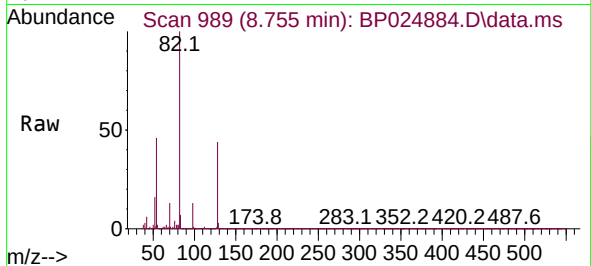
Tgt Ion:136 Resp: 1775579
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.4 6.1 9.1
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 51.633 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

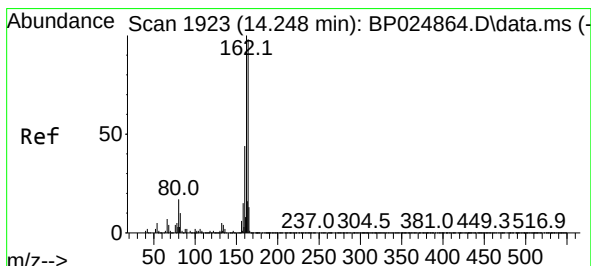
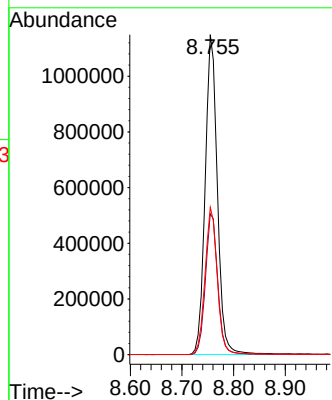
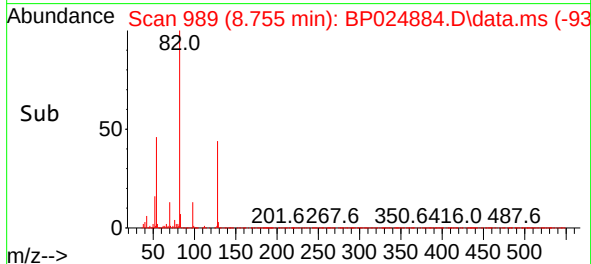
Instrument :
BNA_P
ClientSampleId :
TR-05-060525



Tgt Ion: 82 Resp: 1886654
Ion Ratio Lower Upper
82 100
128 44.0 35.3 52.9
54 46.0 37.4 56.0

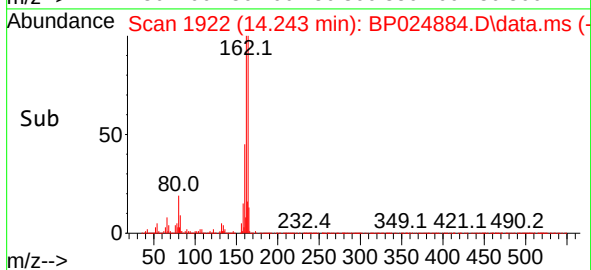
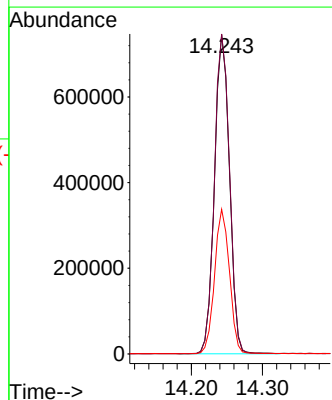
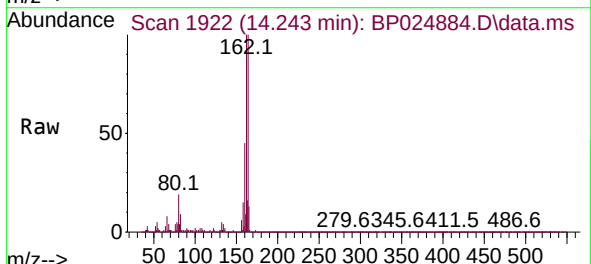
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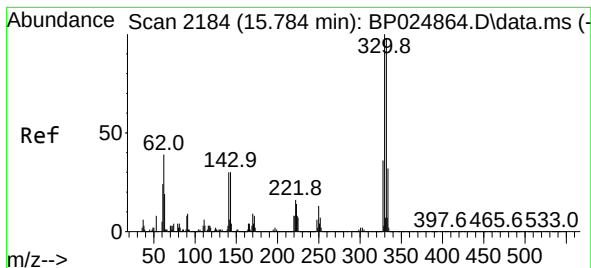
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.243 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:164 Resp: 1093533
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 89.419 ng

RT: 15.760 min Scan# 2184

Delta R.T. -0.024 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

Tgt Ion:330 Resp: 1351905

Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

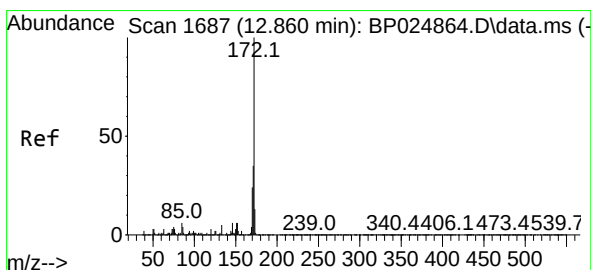
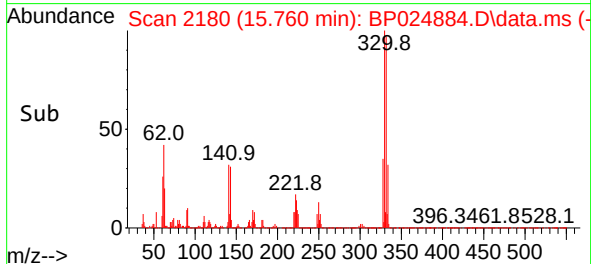
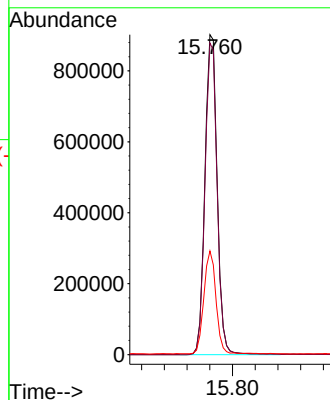
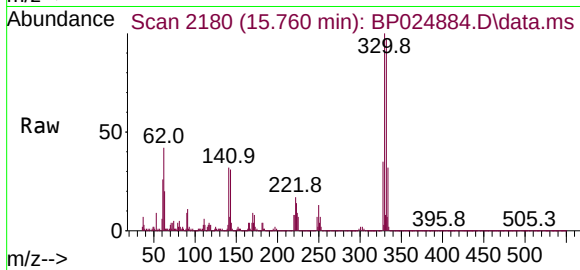
141 31.5 26.4 39.6

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#45

2-Fluorobiphenyl

Concen: 50.747 ng

RT: 12.848 min Scan# 1685

Delta R.T. -0.012 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

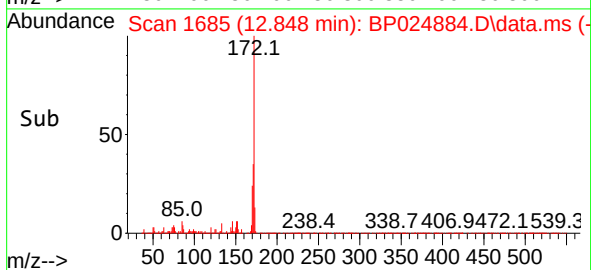
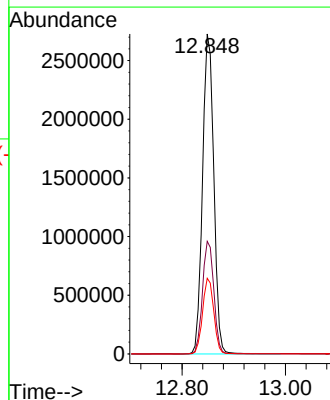
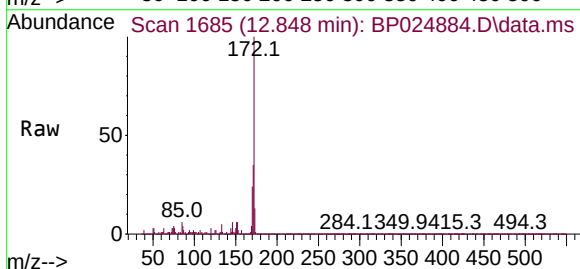
Tgt Ion:172 Resp: 4119445

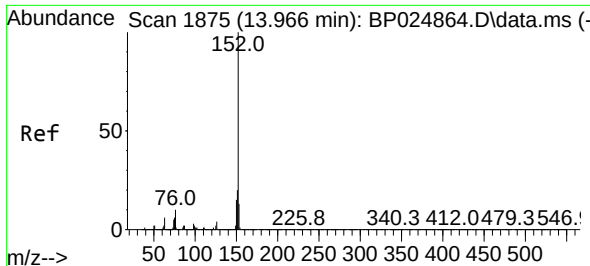
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 19.0 28.4





#49
Acenaphthylene
Concen: 2.045 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

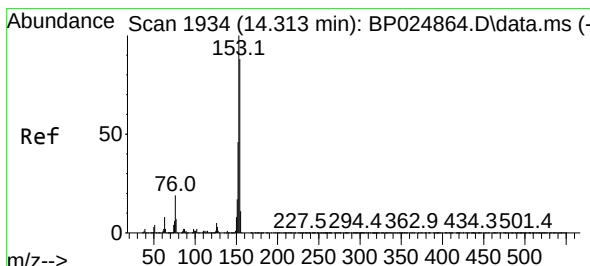
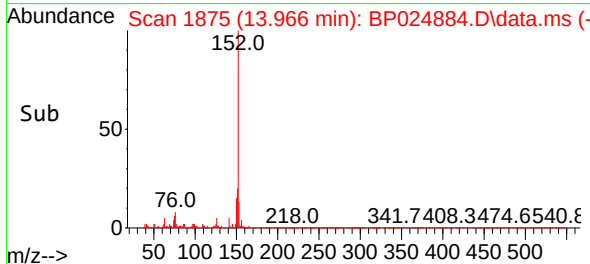
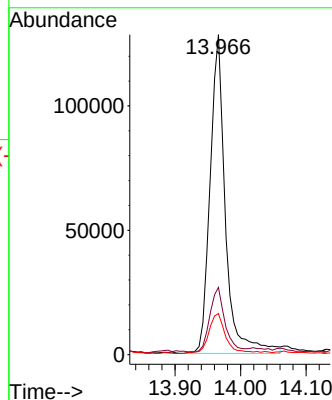
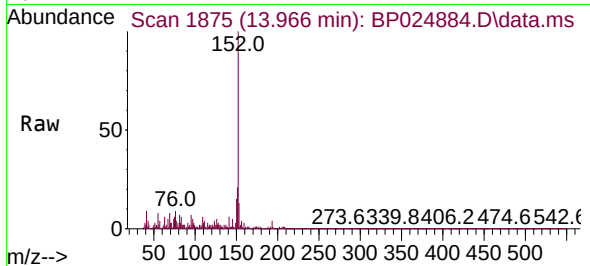
ClientSampleId :

TR-05-060525

Tgt Ion:152 Resp: 208233
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2
153 12.8 10.6 15.8

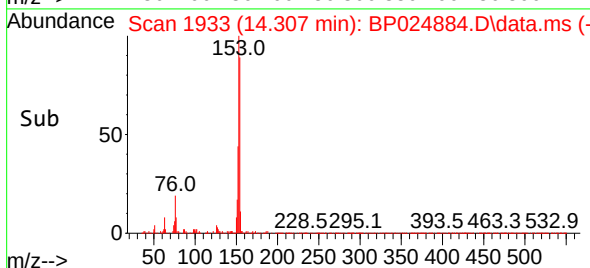
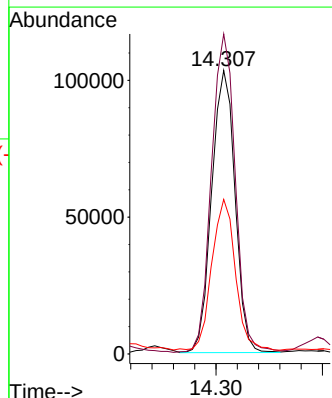
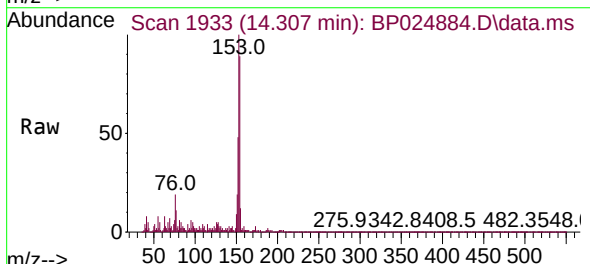
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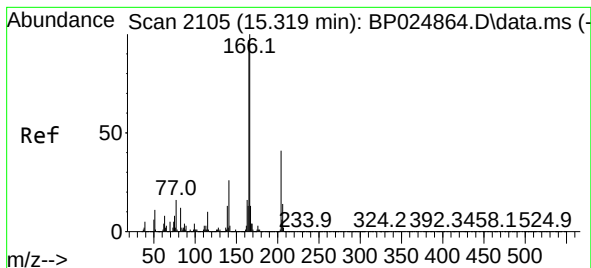
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#52
Acenaphthene
Concen: 2.689 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:154 Resp: 156942
Ion Ratio Lower Upper
154 100
153 112.9 90.5 135.7
152 54.5 42.1 63.1





#58

Fluorene

Concen: 2.224 ng

RT: 15.307 min Scan# 2105

Delta R.T. -0.012 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

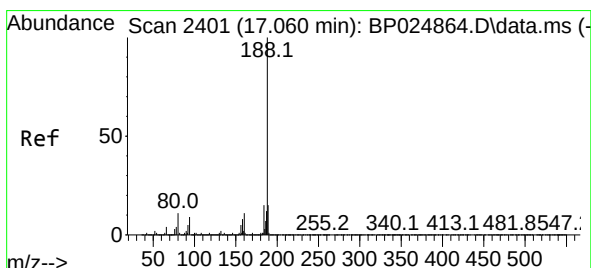
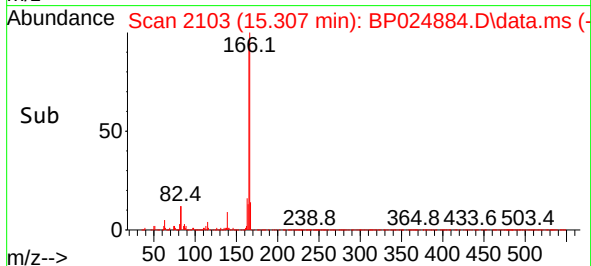
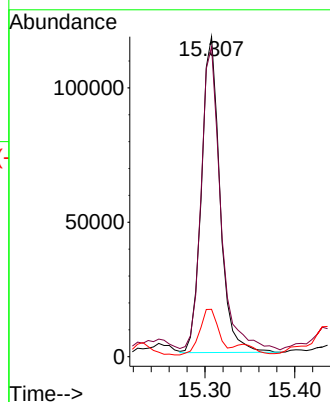
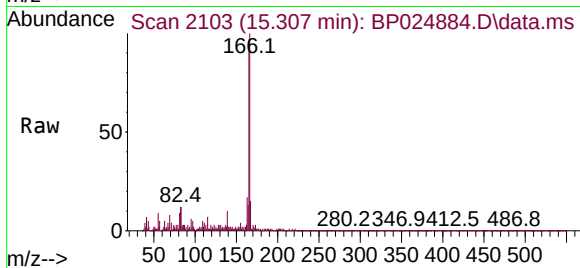
Tgt Ion:166	Resp: 16832
Ion Ratio	Lower Upper
166	100
165	96.8 77.7 116.5
167	14.8 10.6 16.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/10/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

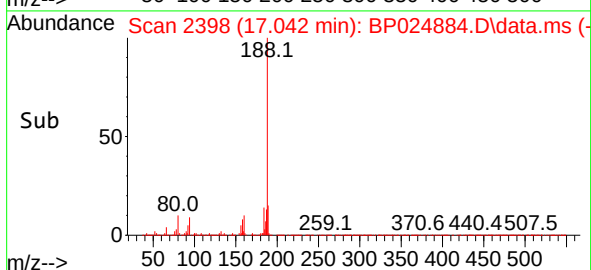
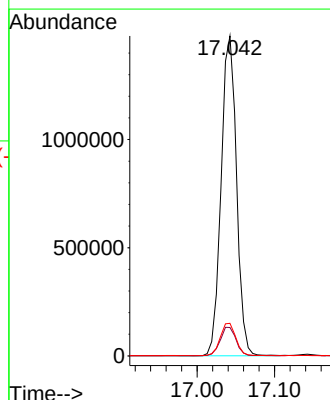
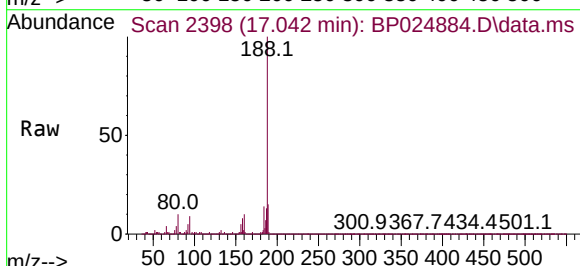
RT: 17.042 min Scan# 2398

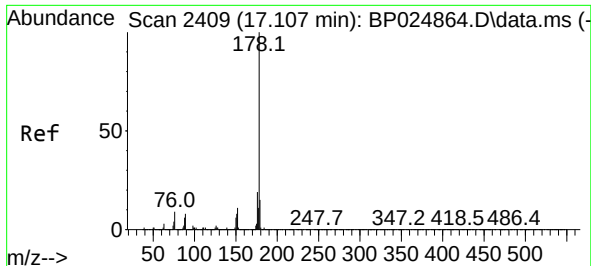
Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Tgt Ion:188	Resp: 2041613
Ion Ratio	Lower Upper
188	100
94	8.9 7.3 10.9
80	10.2 8.5 12.7





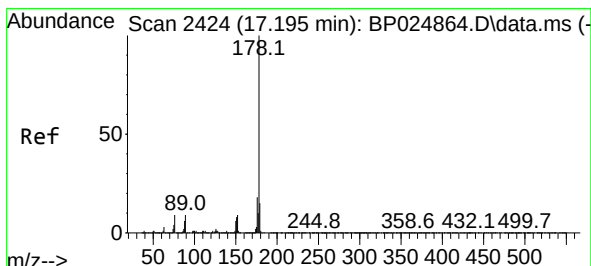
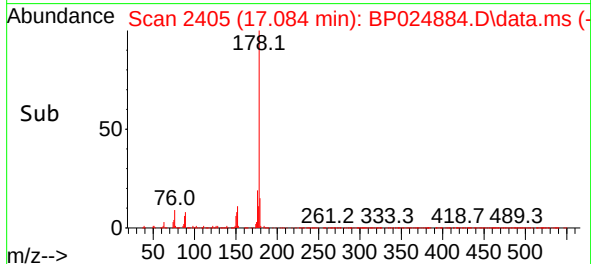
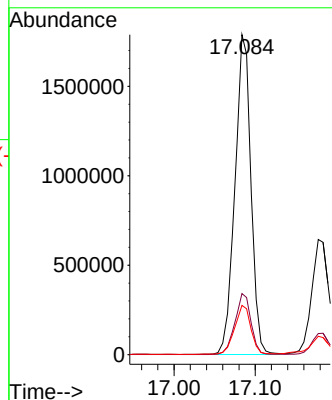
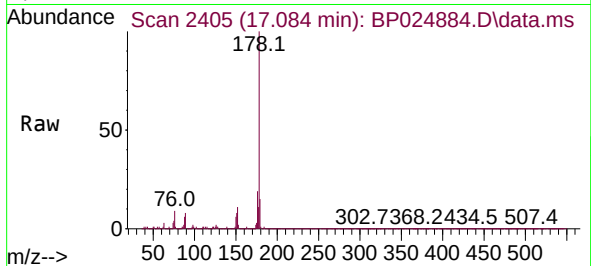
#71
Phenanthrene
Concen: 21.706 ng
RT: 17.084 min Scan# 2405
Delta R.T. -0.024 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :
BNA_P
ClientSampleId :
TR-05-060525

Tgt Ion:178 Resp: 2448923
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.1 18.1

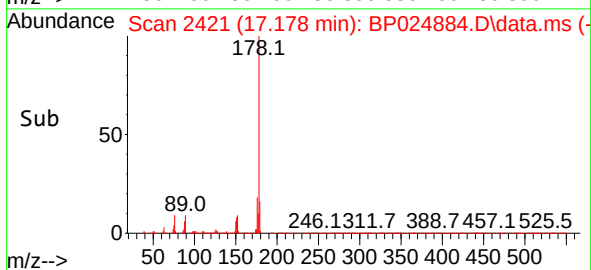
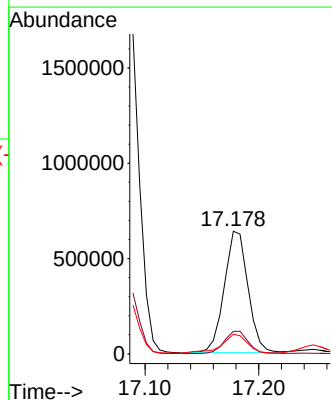
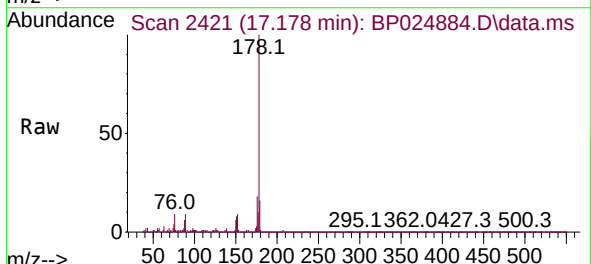
Manual Integrations
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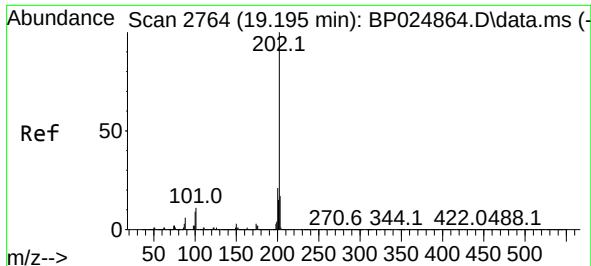
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#72
Anthracene
Concen: 8.095 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.018 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:178 Resp: 924998
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 16.0 12.3 18.5





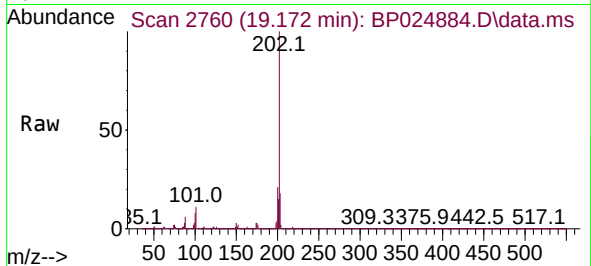
#75
Fluoranthene
Concen: 59.300 ng
RT: 19.172 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525



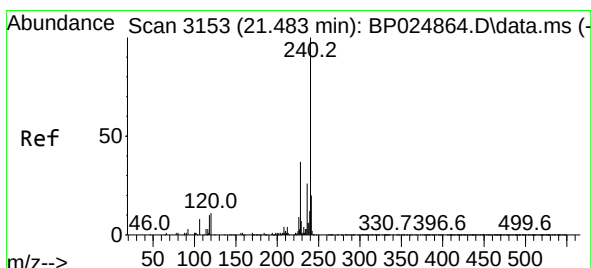
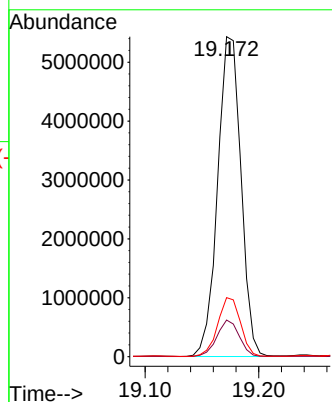
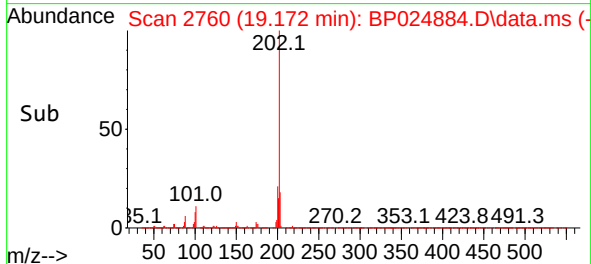
Tgt Ion:202 Resp: 7754425
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.4 0.0 37.5

Manual Integrations

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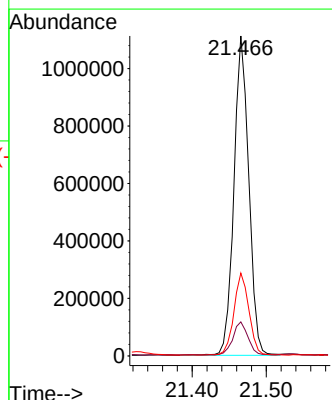
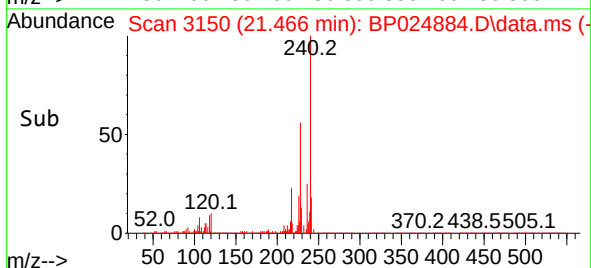
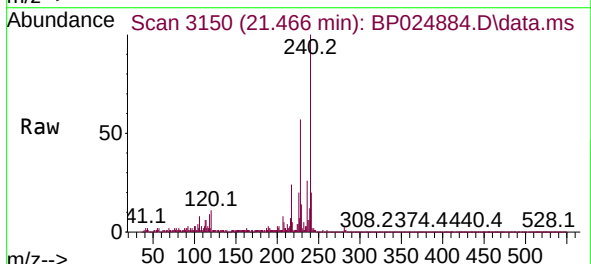
Reviewed By :Rahul Chavli 06/10/2025

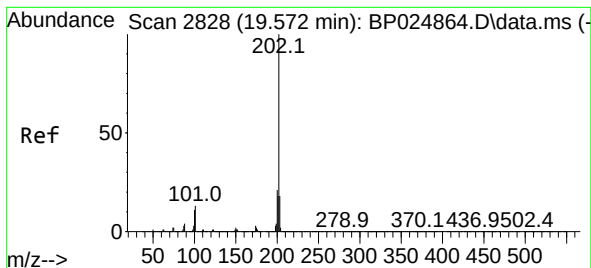
Supervised By :Jagrut Upadhyay 06/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3150
Delta R.T. -0.018 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Tgt Ion:240 Resp: 1547318
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.9 20.9 31.3





#78

Pyrene

Concen: 71.193 ng

RT: 19.548 min Scan# 2828

Delta R.T. -0.024 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

Tgt Ion:202 Resp: 6882043

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

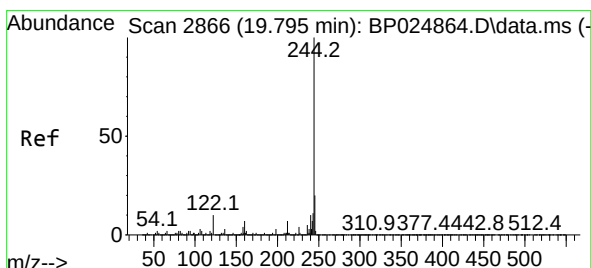
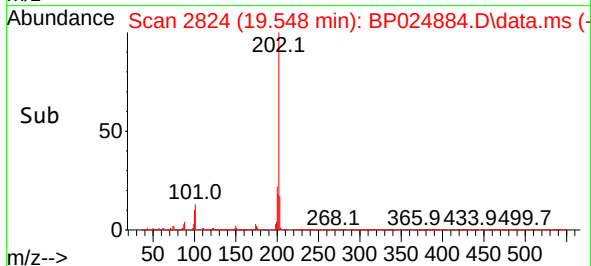
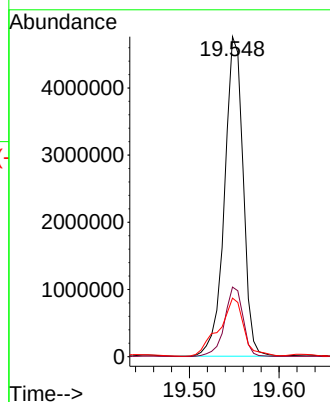
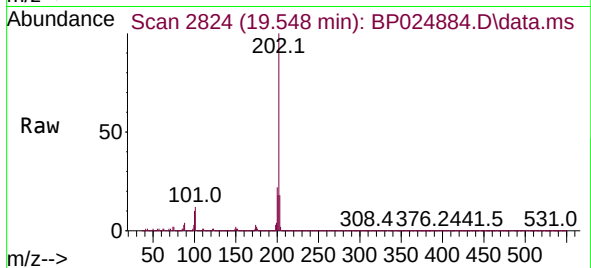
203 18.3 14.0 21.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#79

Terphenyl-d14

Concen: 61.649 ng

RT: 19.772 min Scan# 2862

Delta R.T. -0.024 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

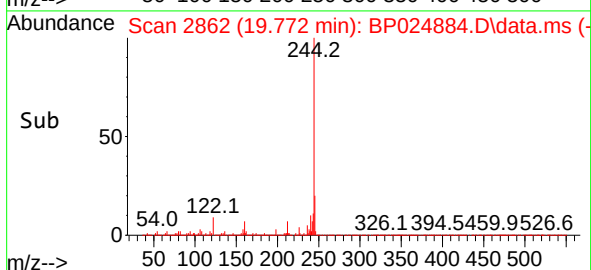
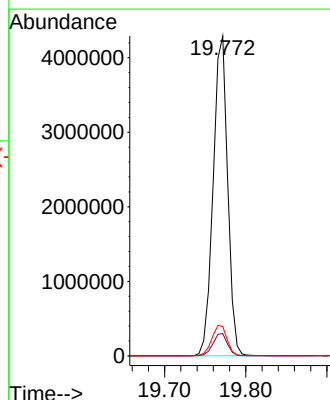
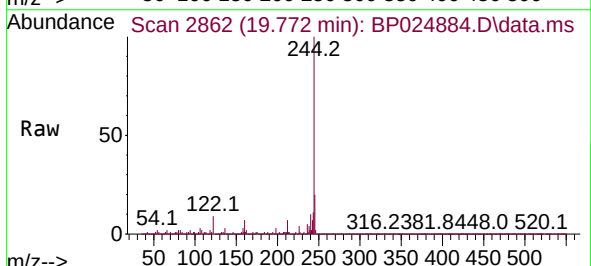
Tgt Ion:244 Resp: 5322418

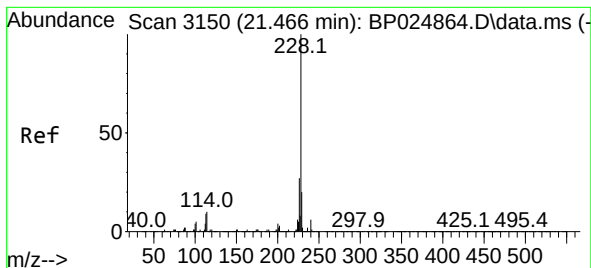
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.2 7.7 11.5





#81

Benzo(a)anthracene

Concen: 45.100 ng

RT: 21.448 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

Tgt Ion:228 Resp: 446325

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

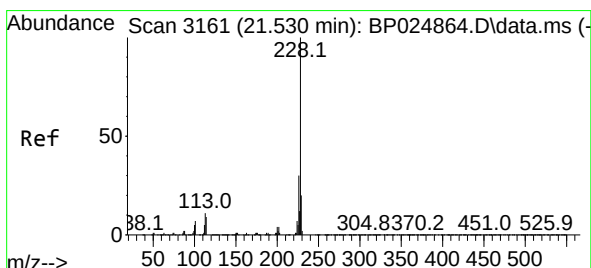
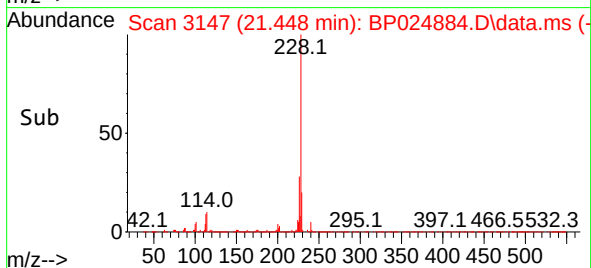
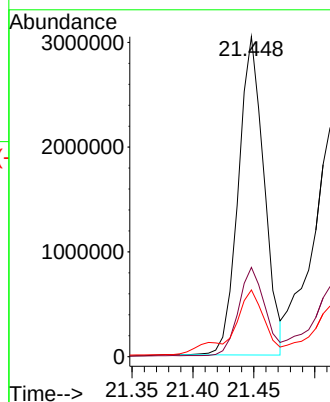
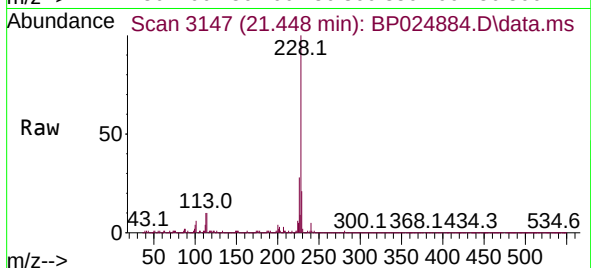
229 20.8 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#83

Chrysene

Concen: 45.098 ng

RT: 21.513 min Scan# 3158

Delta R.T. -0.018 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

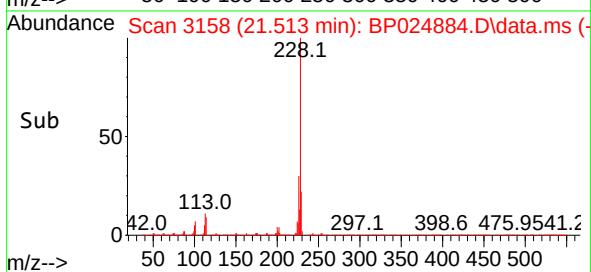
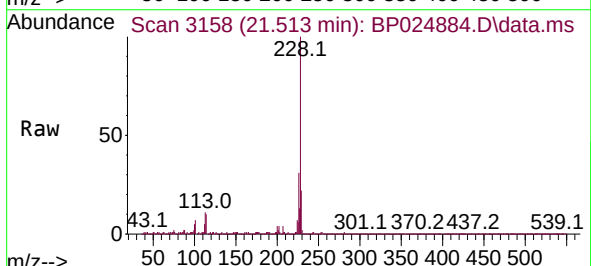
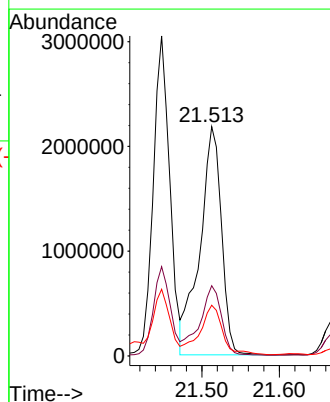
Tgt Ion:228 Resp: 4228870

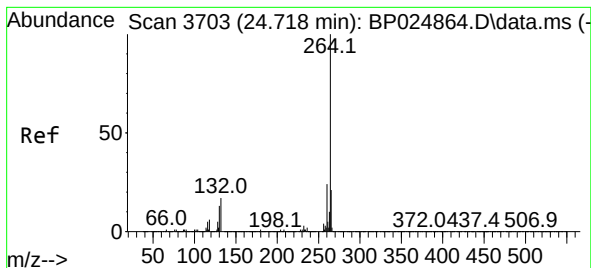
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.718 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

Tgt Ion:264 Resp: 175433

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

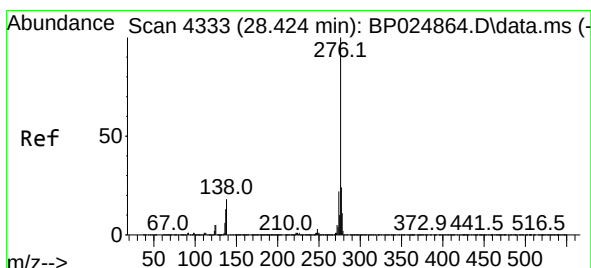
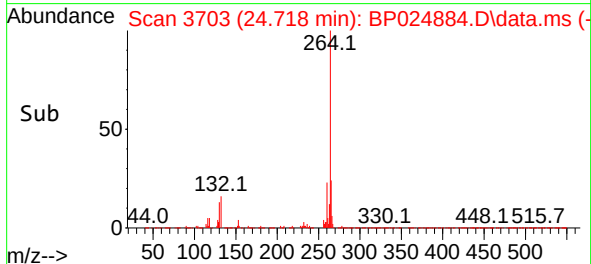
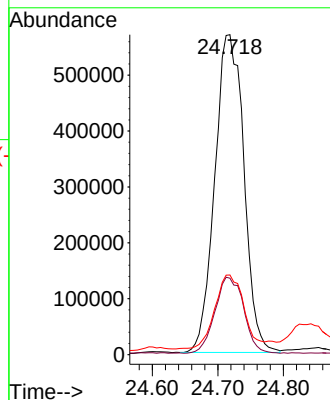
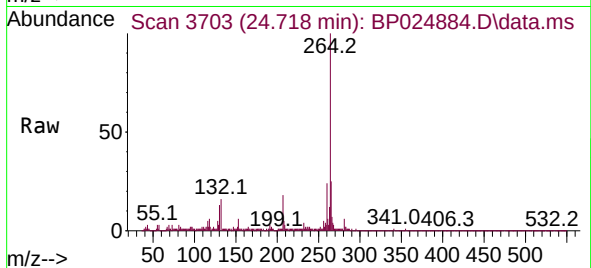
265 24.9 17.4 26.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.579 ng

RT: 28.418 min Scan# 4332

Delta R.T. -0.006 min

Lab File: BP024884.D

Acq: 09 Jun 2025 19:38

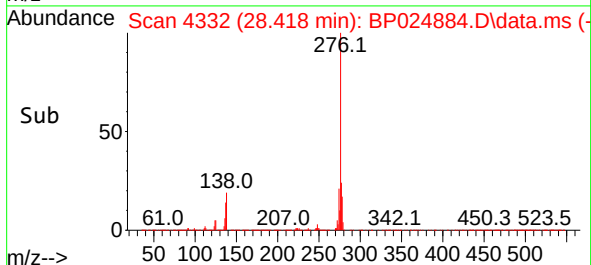
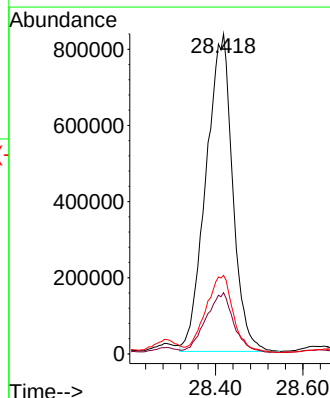
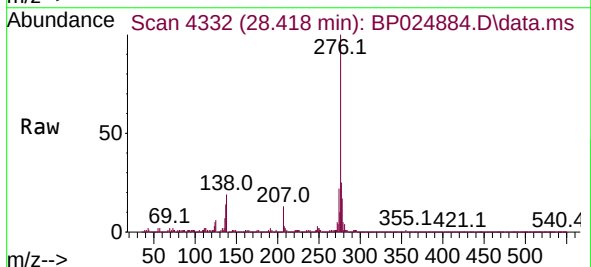
Tgt Ion:276 Resp: 3530068

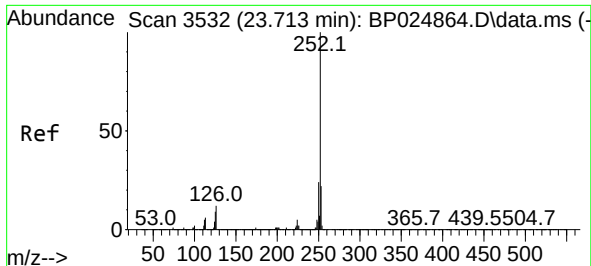
Ion Ratio Lower Upper

276 100

138 19.7 18.6 27.8

277 25.2 20.2 30.4





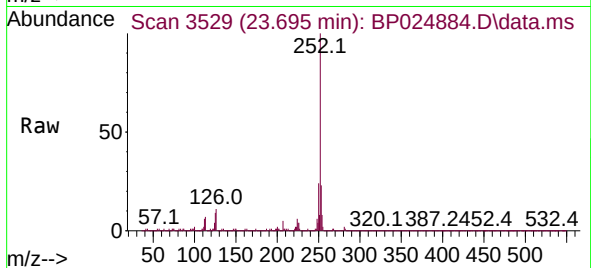
#88
Benzo(b)fluoranthene
Concen: 65.556 ng
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :

BNA_P

ClientSampleId :

TR-05-060525

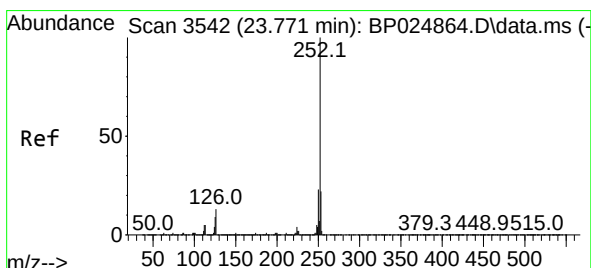
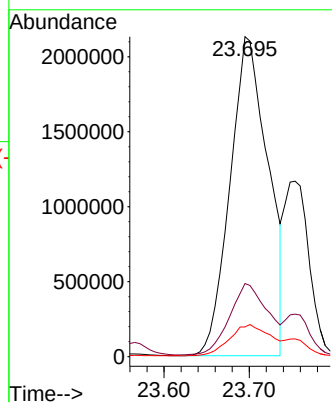
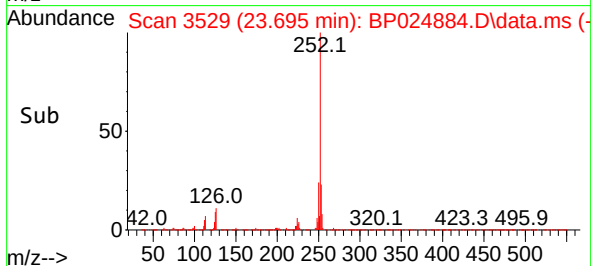


Tgt Ion:252 Resp: 658189
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.3 7.1 10.7

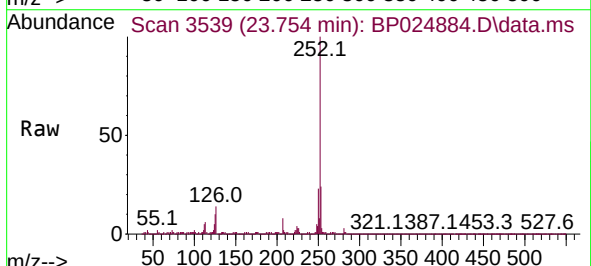
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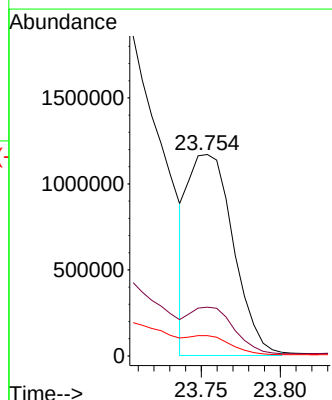
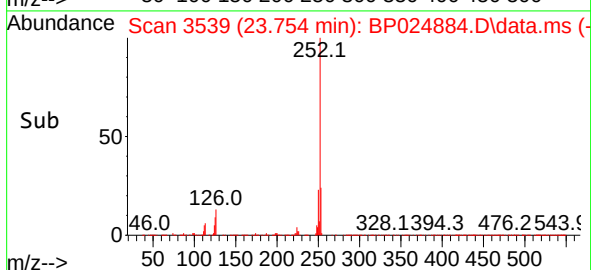
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

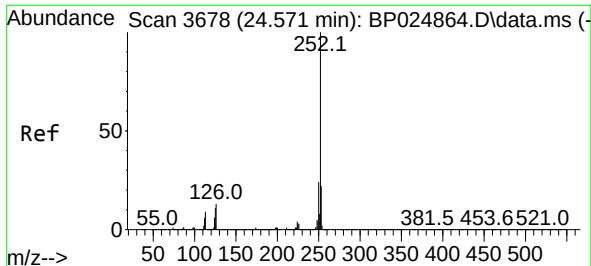


#89
Benzo(k)fluoranthene
Concen: 22.866 ng m
RT: 23.754 min Scan# 3539
Delta R.T. -0.018 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38



Tgt Ion:252 Resp: 2336895
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.0 7.4 11.0





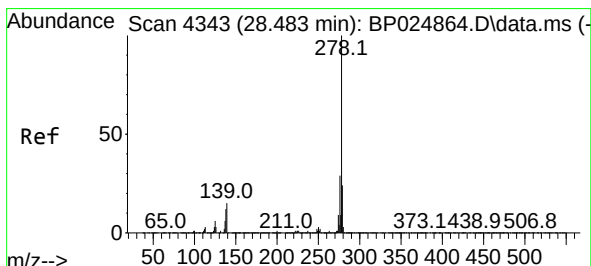
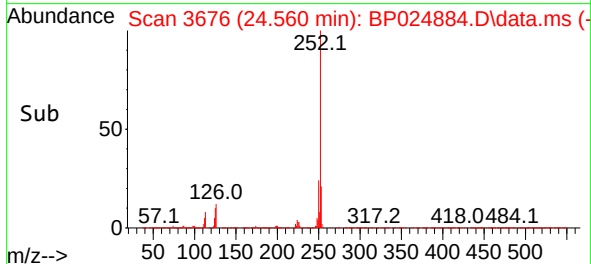
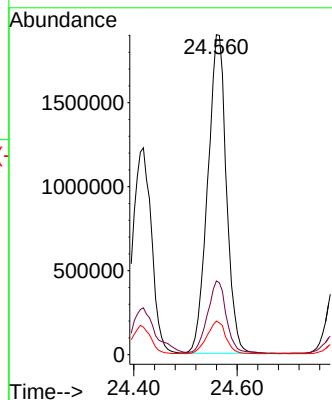
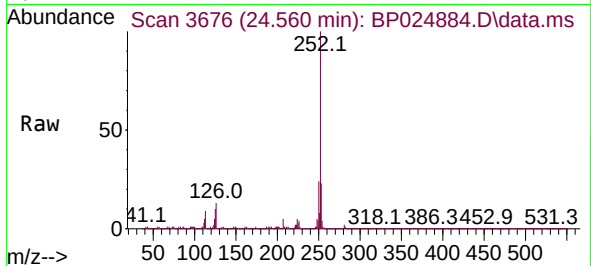
#90
Benzo(a)pyrene
Concen: 48.604 ng
RT: 24.560 min Scan# 30
Delta R.T. -0.012 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :
BNA_P
ClientSampleId :
TR-05-060525

Tgt Ion:252 Resp: 4765662
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.5 8.8 13.2

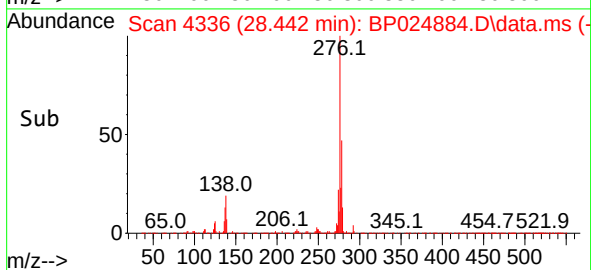
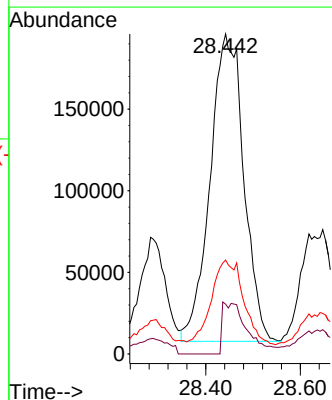
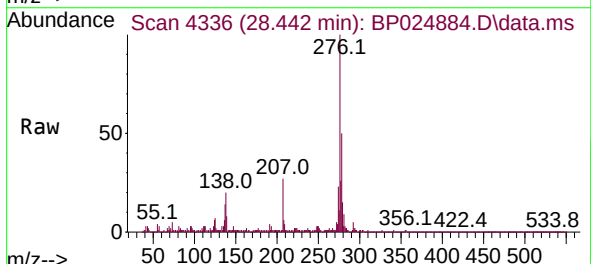
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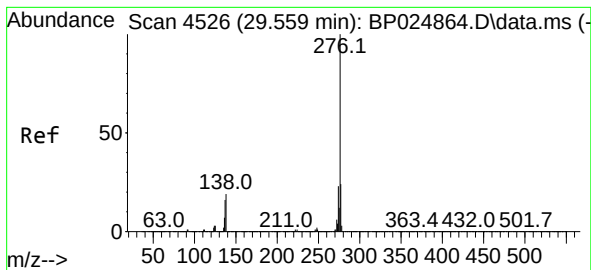
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#91
Dibenzo(a,h)anthracene
Concen: 8.925 ng m
RT: 28.442 min Scan# 4336
Delta R.T. -0.041 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

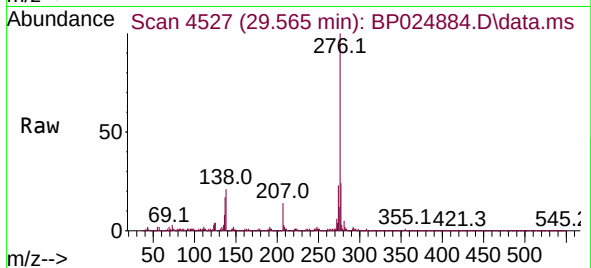
Tgt Ion:278 Resp: 929921
Ion Ratio Lower Upper
278 100
139 15.5 12.0 18.0
279 29.3 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 34.500 ng
RT: 29.565 min Scan# 4527
Delta R.T. 0.006 min
Lab File: BP024884.D
Acq: 09 Jun 2025 19:38

Instrument :
BNA_P
ClientSampleId :
TR-05-060525



Tgt Ion: 276 Resp: 3566490
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 20.6 15.4 23.2

Manual Integrations
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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

