

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024878.D
 Acq On : 09 Jun 2025 15:33
 Operator : RC/JU
 Sample : Q2218-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11934

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 16:01:08 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	432133	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	1804026	20.000	ng	0.00
39) Acenaphthene-d10	14.242	164	1165777	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	2330360	20.000	ng	-0.02
76) Chrysene-d12	21.471	240	1865805	20.000	ng	-0.01
86) Perylene-d12	24.724	264	1898676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2133484	82.410	ng	0.00
7) Phenol-d6	6.813	99	2932865	85.623	ng	0.00
23) Nitrobenzene-d5	8.760	82	1852933	49.910	ng	0.00
42) 2,4,6-Tribromophenol	15.760	330	1255449	77.894	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	4275066	49.401	ng	0.00
79) Terphenyl-d14	19.771	244	6674207	64.111	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	13.960	152	551456	5.079	ng	99
71) Phenanthrene	17.083	178	4804033	37.305	ng	99
72) Anthracene	17.171	178	870658	6.676	ng	99
73) Carbazole	17.466	167	257032	2.126	ng	98
75) Fluoranthene	19.177	202	10094961	67.633	ng	98
78) Pyrene	19.554	202	9206892	78.985	ng	98
81) Benzo(a)anthracene	21.454	228	4168410	34.931	ng	96
83) Chrysene	21.518	228	4672742	41.326	ng	98
84) Bis(2-ethylhexyl)phtha...	21.383	149	368162	4.813	ng	99
87) Indeno(1,2,3-cd)pyrene	28.412	276	2886914	20.839	ng	97
88) Benzo(b)fluoranthene	23.695	252	5026250m	46.256	ng	
89) Benzo(k)fluoranthene	23.753	252	2011401m	18.185	ng	
90) Benzo(a)pyrene	24.565	252	3662814	34.517	ng	98
91) Dibenzo(a,h)anthracene	28.430	278	724031	6.421	ng	92
92) Benzo(g,h,i)perylene	29.535	276	2880279	25.744	ng	98

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

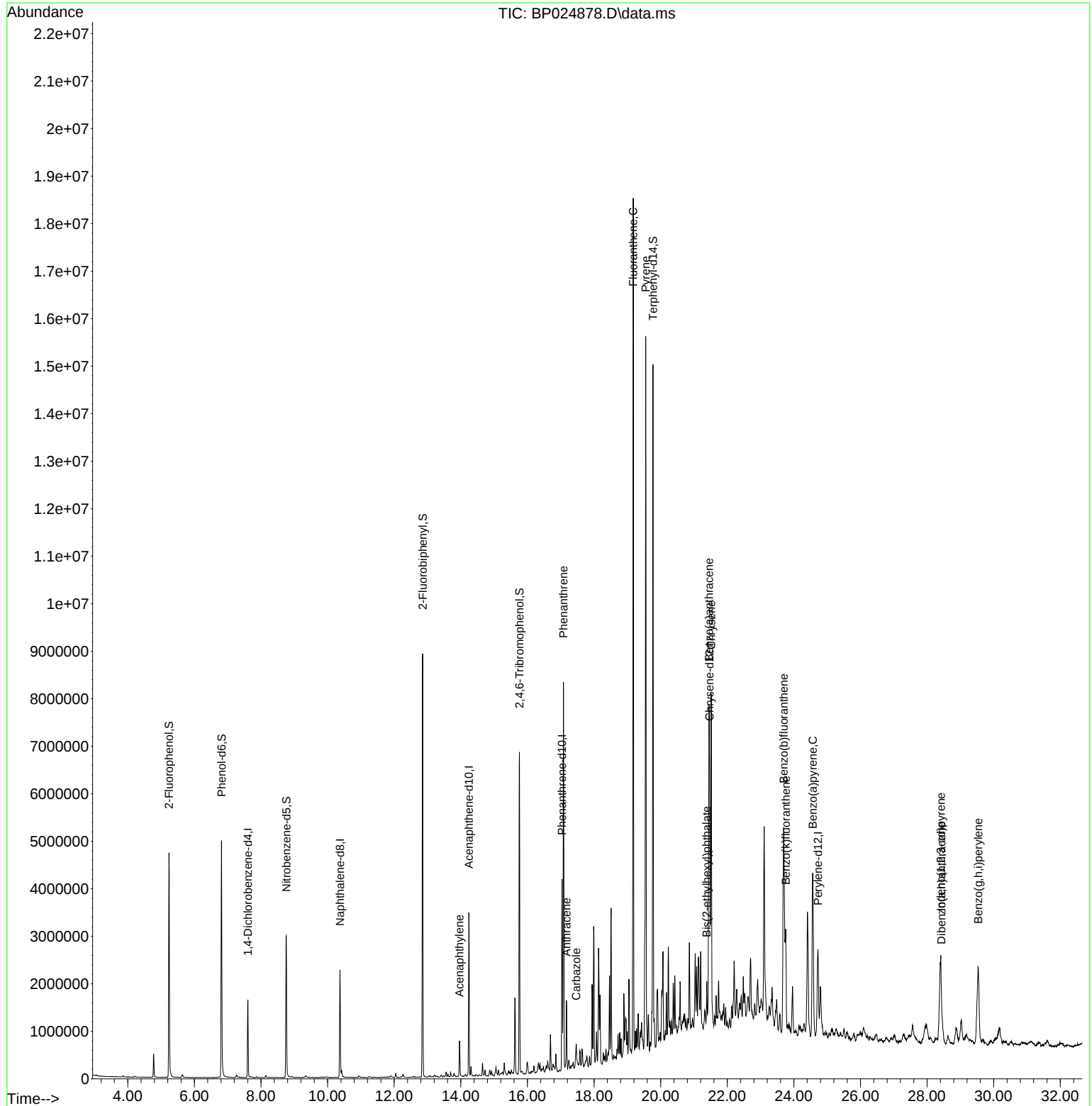
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024878.D
Acq On : 09 Jun 2025 15:33
Operator : RC/JU
Sample : Q2218-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

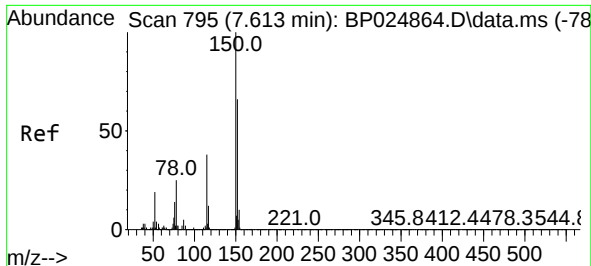
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Supervised By :Jagrut Upadhyay 06/10/2025

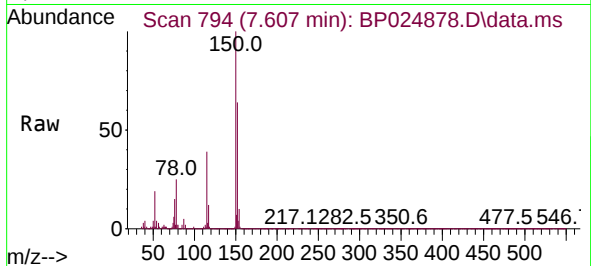
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

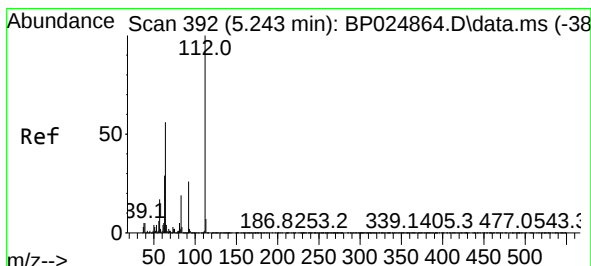
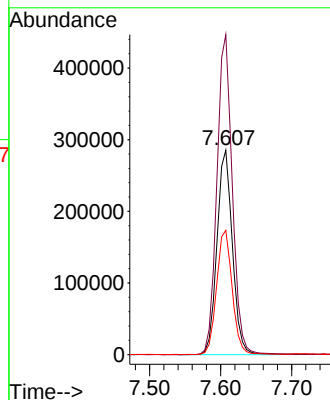
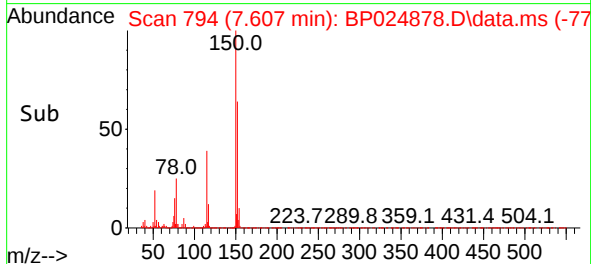
Instrument :
BNA_P
ClientSampleId :
72-11934



Tgt Ion:152 Resp: 432133
Ion Ratio Lower Upper
152 100
150 156.5 122.1 183.1
115 60.8 46.4 69.6

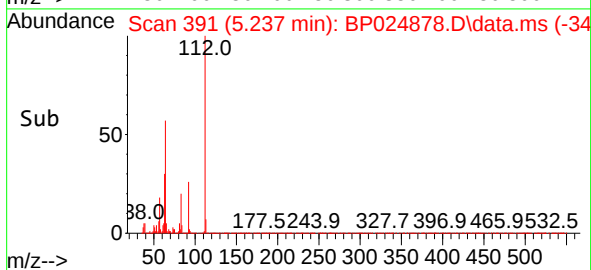
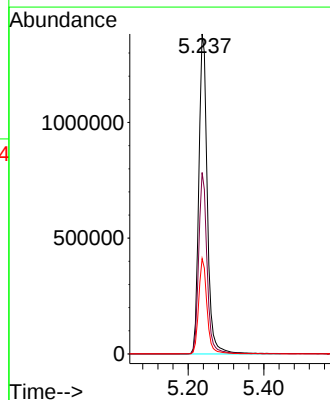
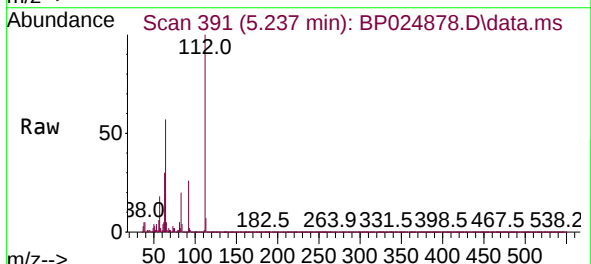
Manual Integrations
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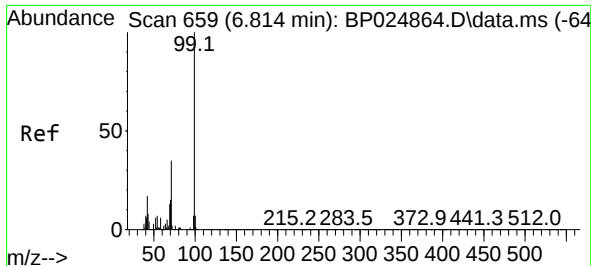
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#5
2-Fluorophenol
Concen: 82.410 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

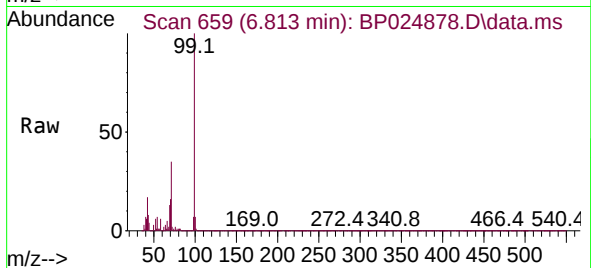
Tgt Ion:112 Resp: 2133484
Ion Ratio Lower Upper
112 100
64 56.7 44.7 67.1
63 29.8 23.5 35.3





#7
Phenol-d6
Concen: 85.623 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

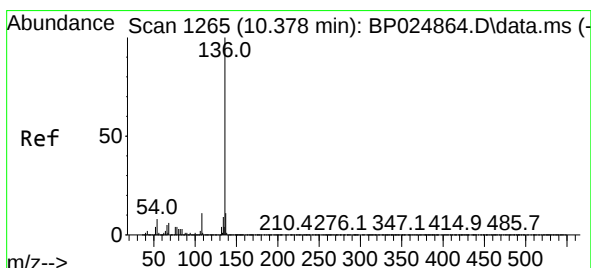
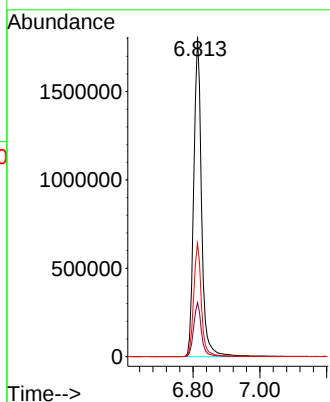
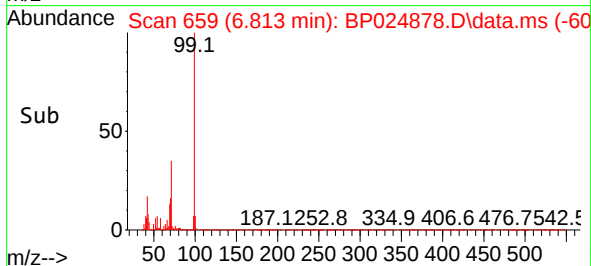
Instrument :
BNA_P
ClientSampleId :
72-11934



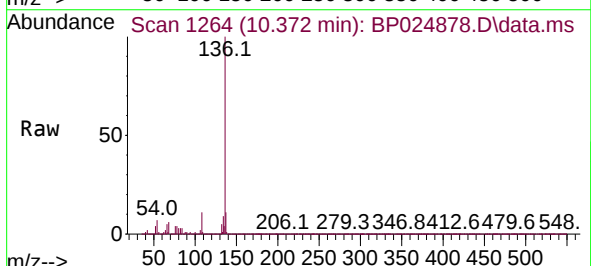
Tgt Ion: 99 Resp: 293286
Ion Ratio Lower Upper
99 100
42 16.9 13.4 20.2
71 35.3 27.6 41.4

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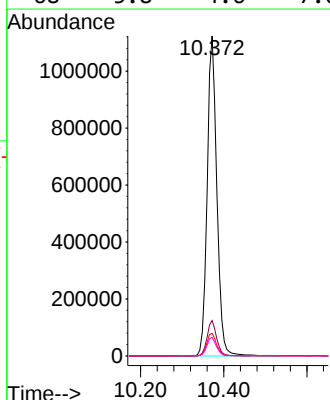
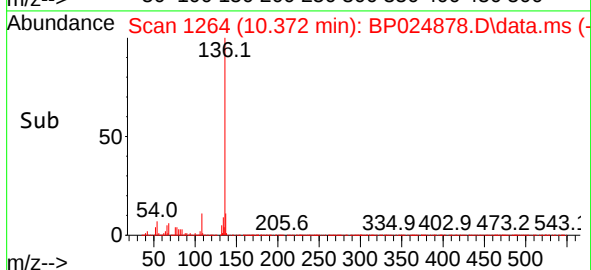
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

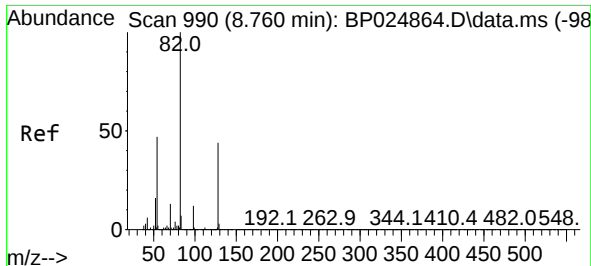


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33



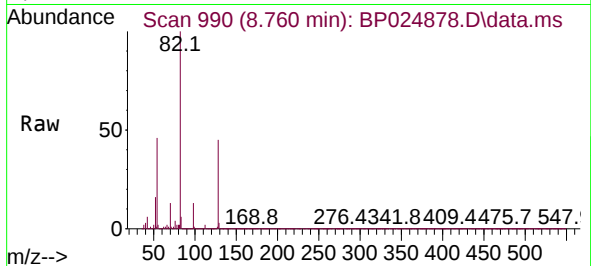
Tgt Ion:136 Resp: 1804026
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.1 9.1
68 5.8 4.6 7.0





#23
Nitrobenzene-d5
Concen: 49.910 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

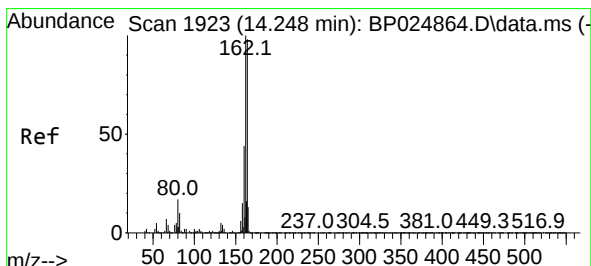
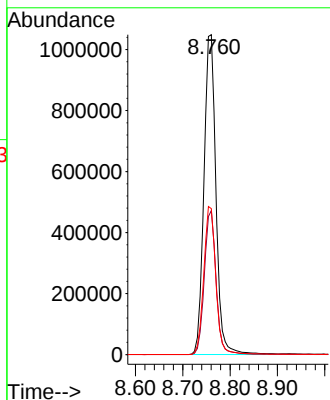
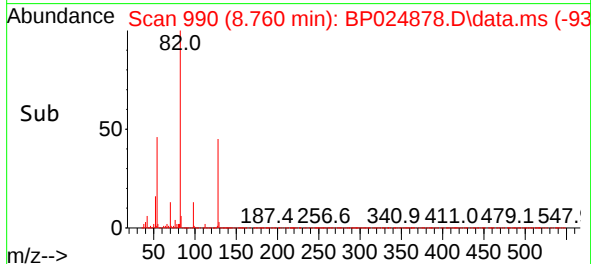
Instrument :
BNA_P
ClientSampleId :
72-11934



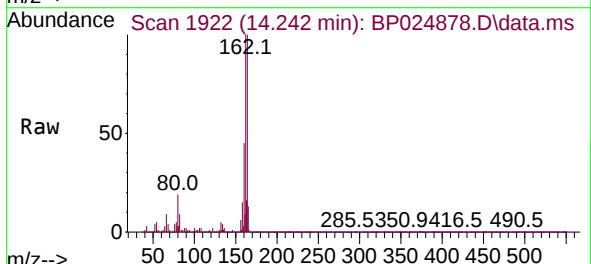
Tgt Ion: 82 Resp: 1852933
Ion Ratio Lower Upper
82 100
128 45.0 35.3 52.9
54 45.7 37.4 56.0

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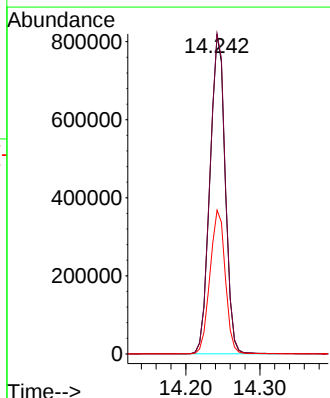
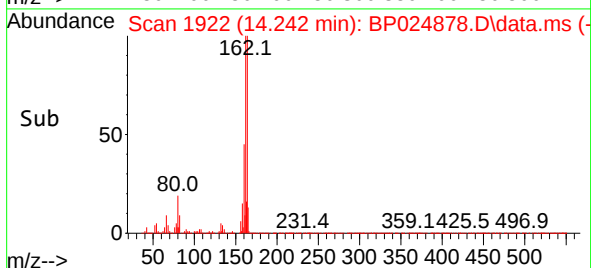
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

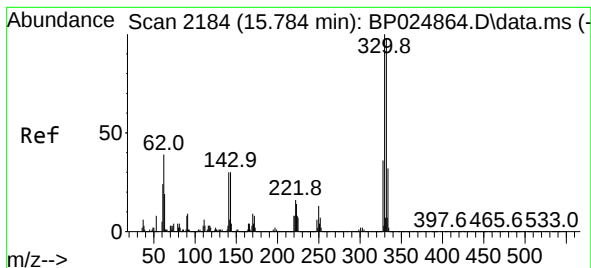


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.242 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33



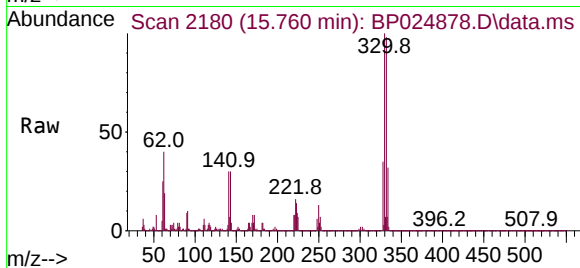
Tgt Ion:164 Resp: 1165777
Ion Ratio Lower Upper
164 100
162 100.4 81.6 122.4
160 45.1 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 77.894 ng
RT: 15.760 min Scan# 2184
Delta R.T. -0.024 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

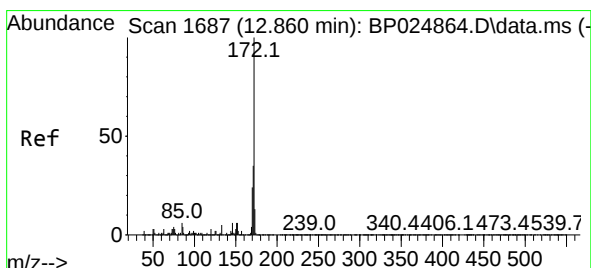
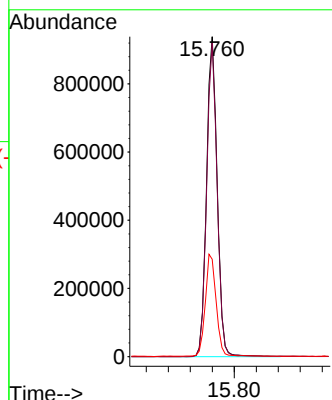
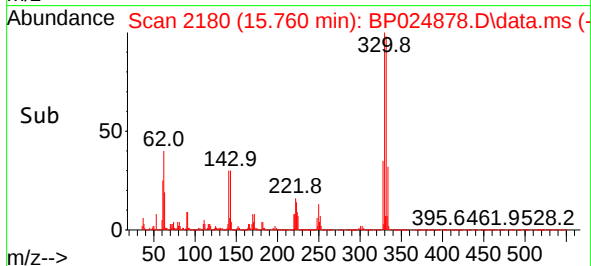
Instrument :
BNA_P
ClientSampleId :
72-11934



Tgt Ion: 330 Resp: 1255449
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 32.6 26.4 39.6

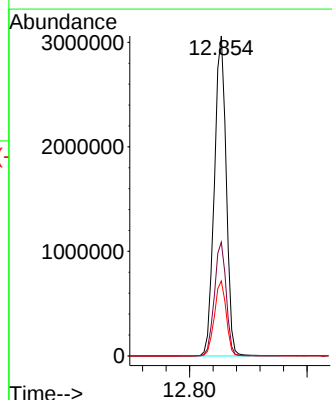
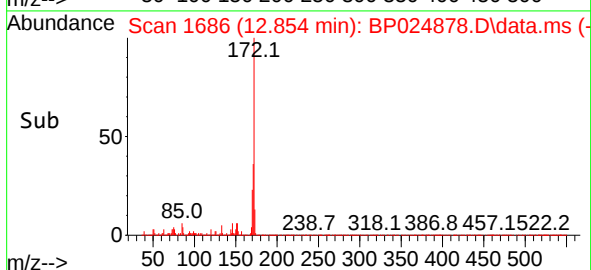
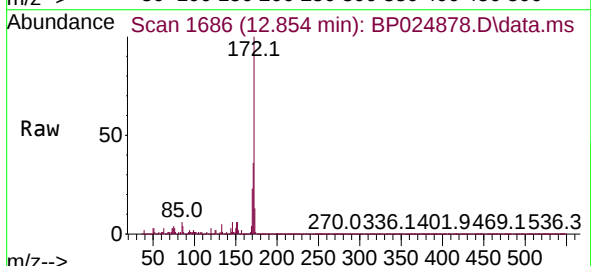
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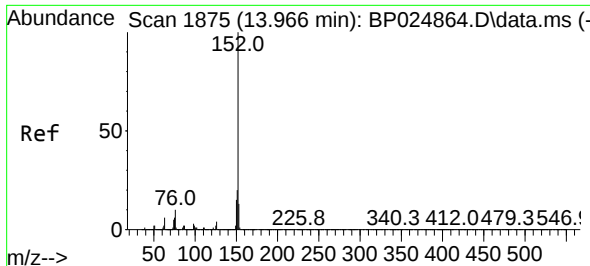
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#45
2-Fluorobiphenyl
Concen: 49.401 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

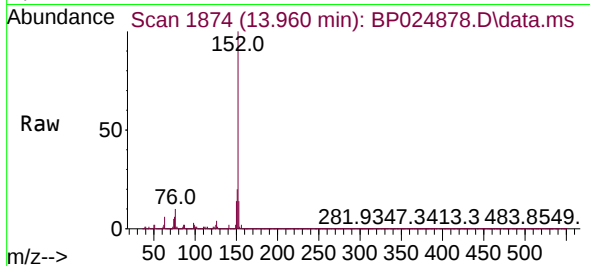
Tgt Ion: 172 Resp: 4275066
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.4 19.0 28.4





#49
Acenaphthylene
Concen: 5.079 ng
RT: 13.960 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

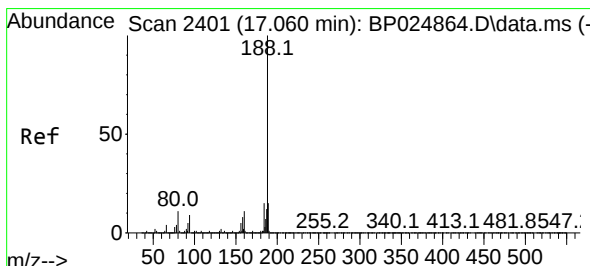
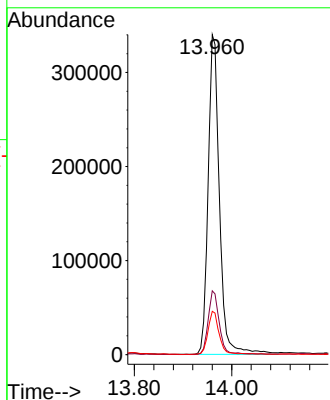
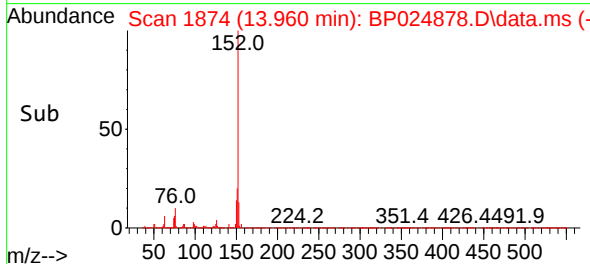
Instrument :
BNA_P
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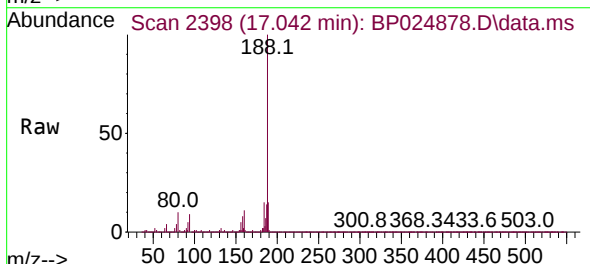
Tgt Ion:152 Resp: 551456
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.5 10.6 15.8

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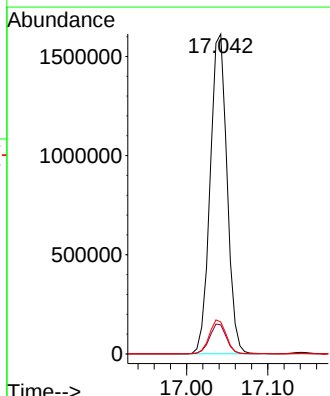
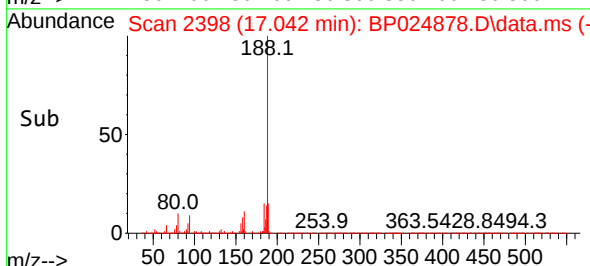
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

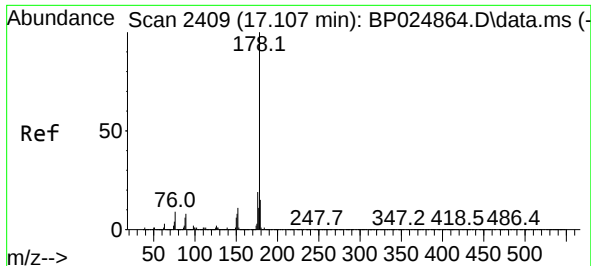


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33



Tgt Ion:188 Resp: 2330360
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 10.0 8.5 12.7





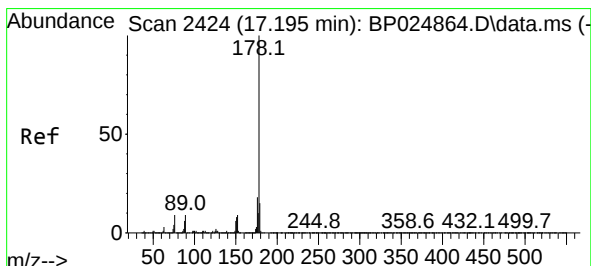
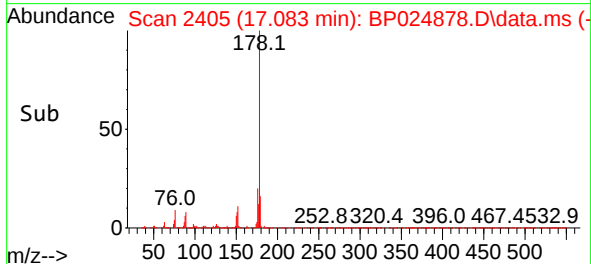
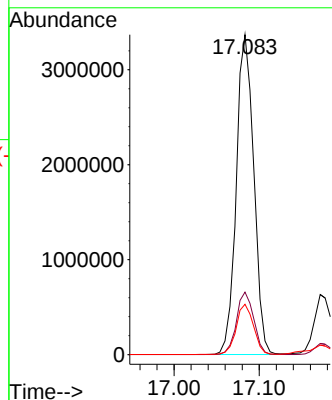
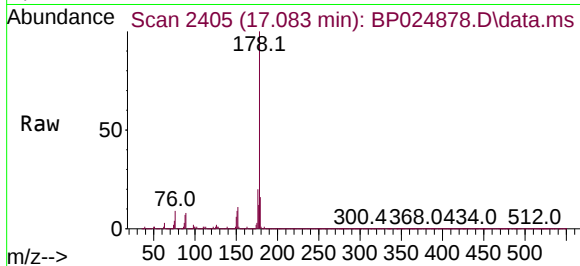
#71
Phenanthrene
Concen: 37.305 ng
RT: 17.083 min Scan# 2405
Delta R.T. -0.024 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

Instrument :
BNA_P
ClientSampleId :
72-11934

Tgt Ion:178 Resp: 4804033
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.7 12.1 18.1

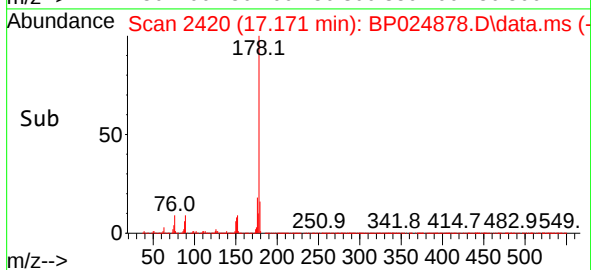
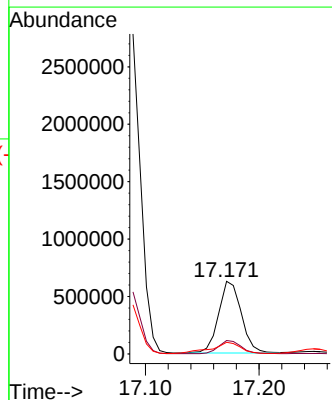
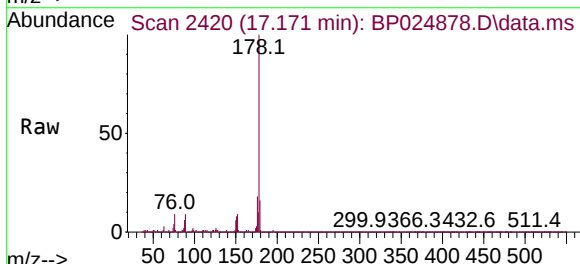
Manual Integrations
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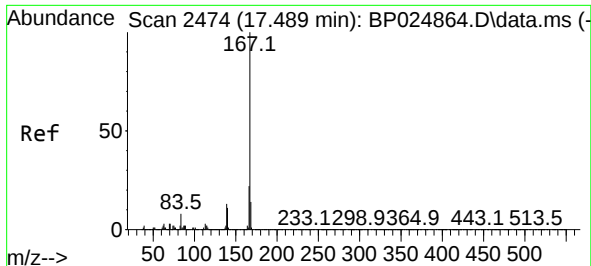
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#72
Anthracene
Concen: 6.676 ng
RT: 17.171 min Scan# 2420
Delta R.T. -0.024 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

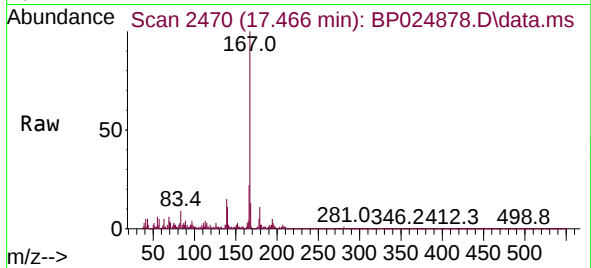
Tgt Ion:178 Resp: 870658
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 16.0 12.3 18.5





#73
 Carbazole
 Concen: 2.126 ng
 RT: 17.466 min Scan# 2474
 Delta R.T. -0.024 min
 Lab File: BP024878.D
 Acq: 09 Jun 2025 15:33

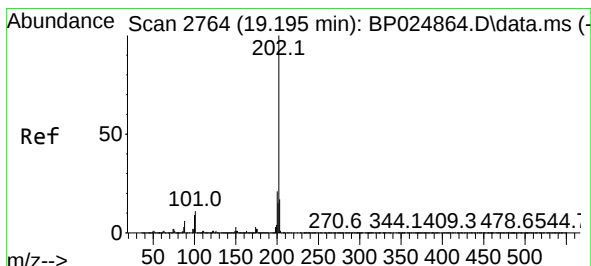
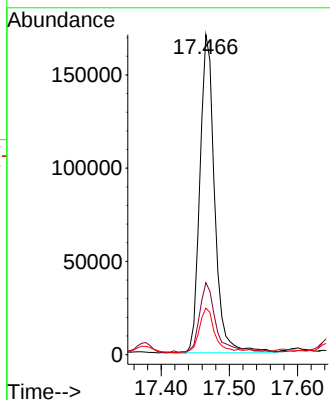
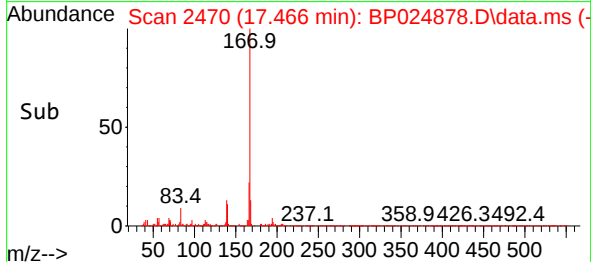
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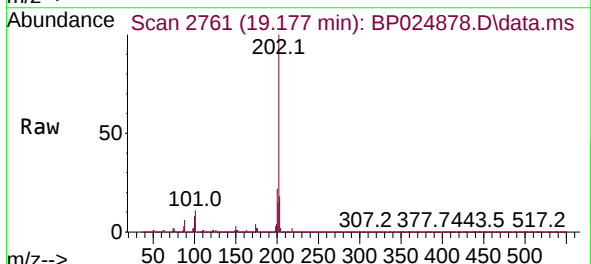
Tgt Ion:167 Resp: 257032
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.3 25.9
 139 14.5 10.8 16.2

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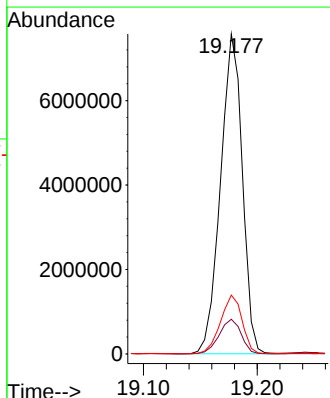
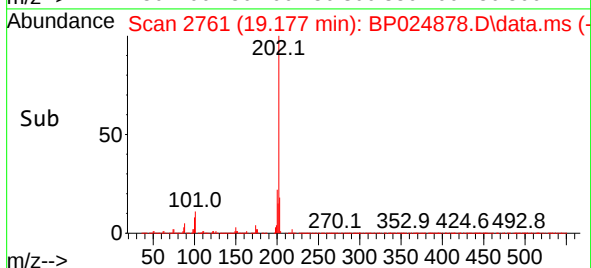
Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

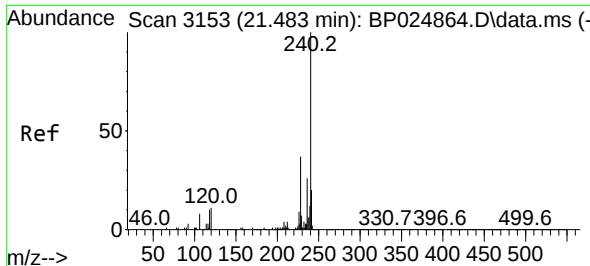


#75
 Fluoranthene
 Concen: 67.633 ng
 RT: 19.177 min Scan# 2761
 Delta R.T. -0.018 min
 Lab File: BP024878.D
 Acq: 09 Jun 2025 15:33



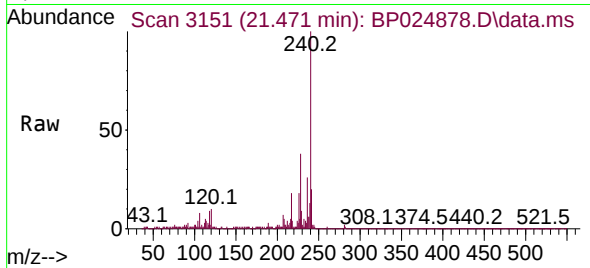
Tgt Ion:202 Resp:10094961
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 18.4 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

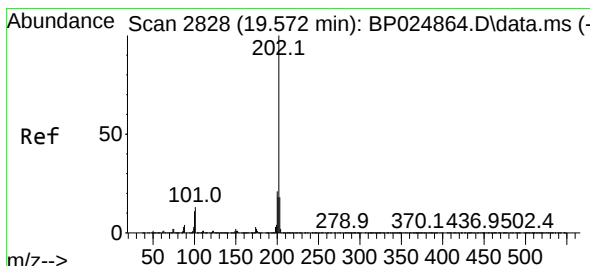
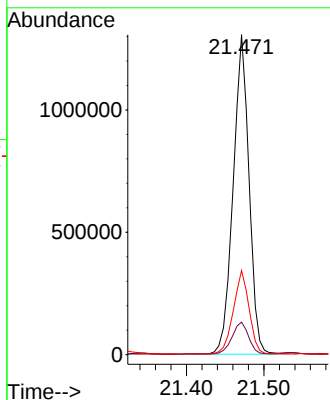
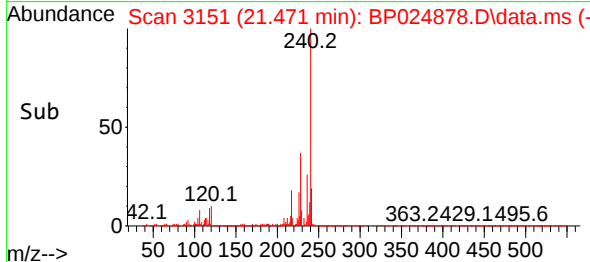
Instrument :
BNA_P
ClientSampleId :
72-11934



Tgt Ion:240 Resp: 1865805
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 26.3 20.9 31.3

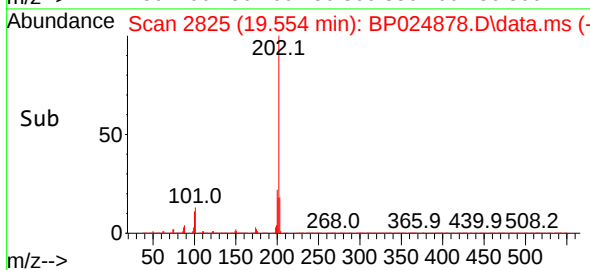
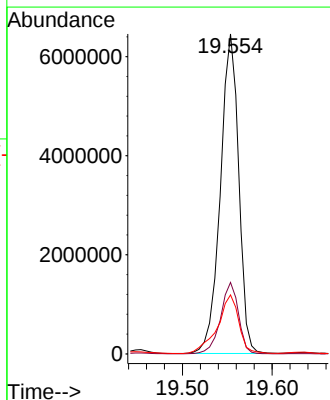
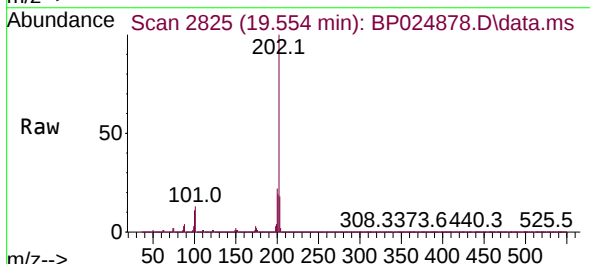
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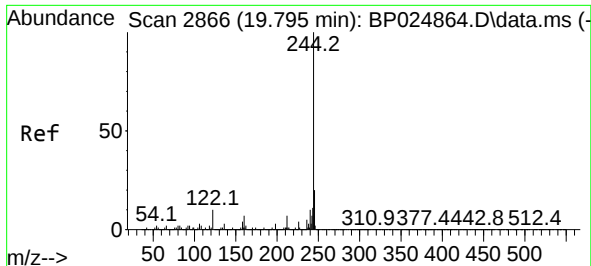
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#78
Pyrene
Concen: 78.985 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

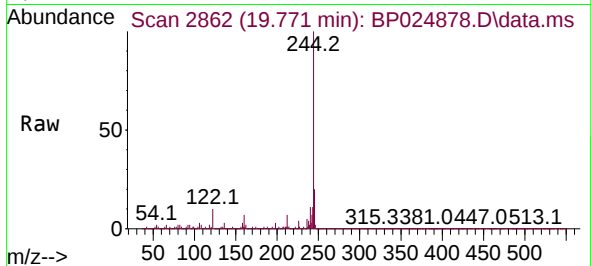
Tgt Ion:202 Resp: 9206892
Ion Ratio Lower Upper
202 100
200 22.3 17.1 25.7
203 18.4 14.0 21.0





#79
 Terphenyl-d14
 Concen: 64.111 ng
 RT: 19.771 min Scan# 2866
 Delta R.T. -0.024 min
 Lab File: BP024878.D
 Acq: 09 Jun 2025 15:33

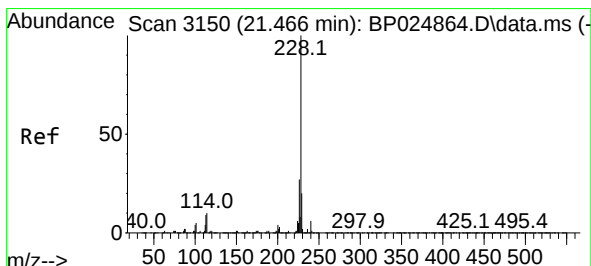
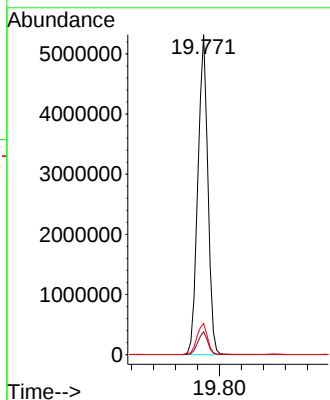
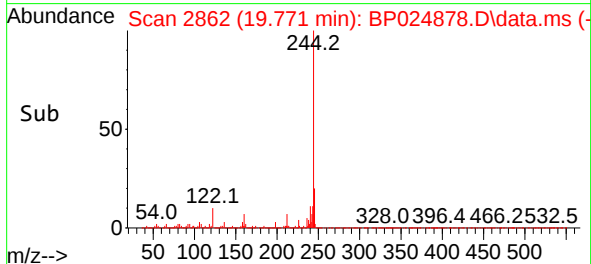
Instrument :
 BNA_P
 ClientSampleId :
 72-11934



Tgt Ion:244 Resp: 667420
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 9.7 7.7 11.5

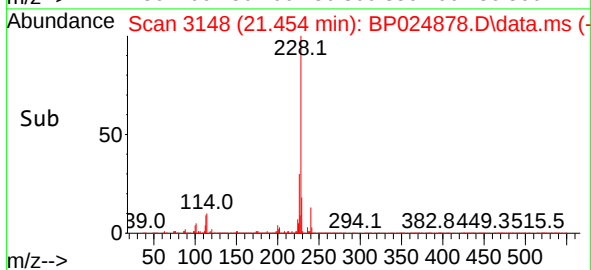
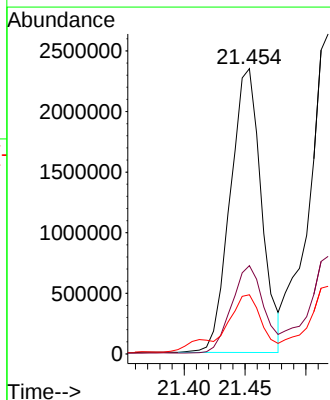
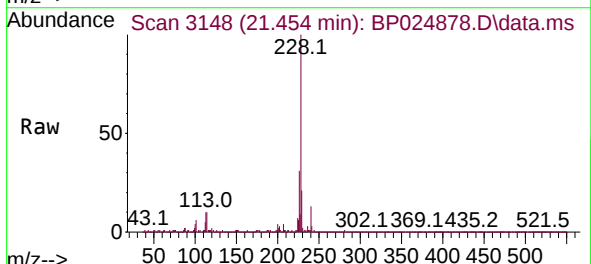
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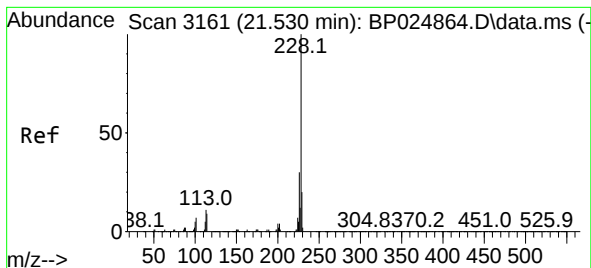
Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025



#81
 Benzo(a)anthracene
 Concen: 34.931 ng
 RT: 21.454 min Scan# 3148
 Delta R.T. -0.012 min
 Lab File: BP024878.D
 Acq: 09 Jun 2025 15:33

Tgt Ion:228 Resp: 4168410
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.1 33.1
 229 20.7 15.9 23.9





#83

Chrysene

Concen: 41.326 ng

RT: 21.518 min Scan# 3161

Delta R.T. -0.012 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

Instrument :

BNA_P

ClientSampleId :

72-11934

Tgt Ion:228 Resp: 467274

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

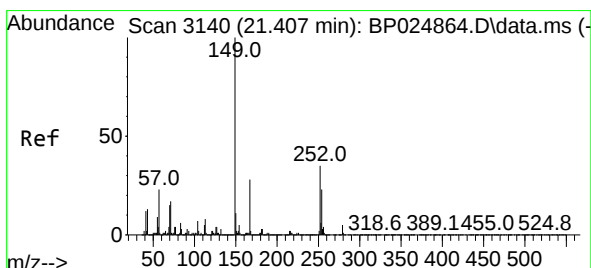
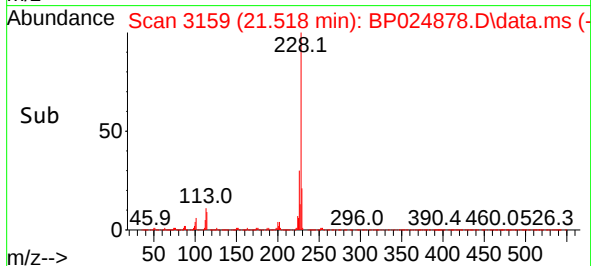
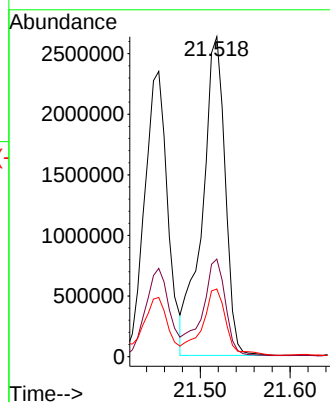
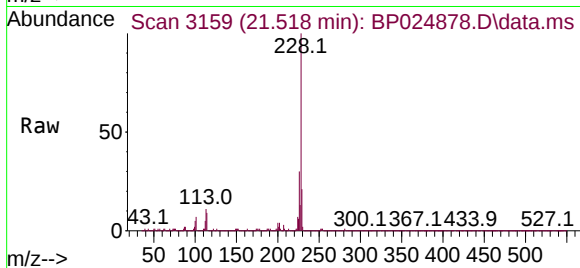
229 21.1 15.6 23.4

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.813 ng

RT: 21.383 min Scan# 3136

Delta R.T. -0.024 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

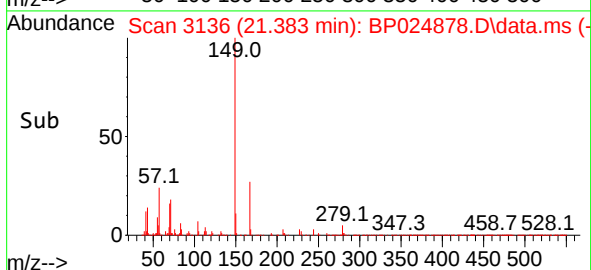
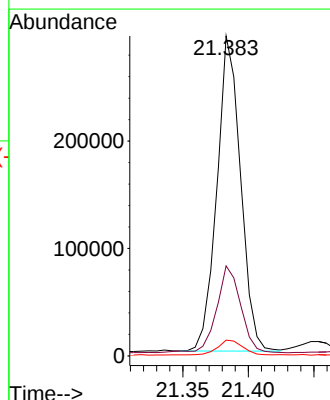
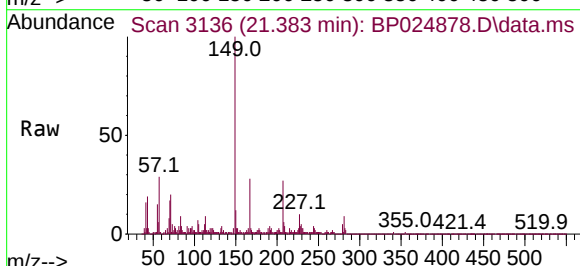
Tgt Ion:149 Resp: 368162

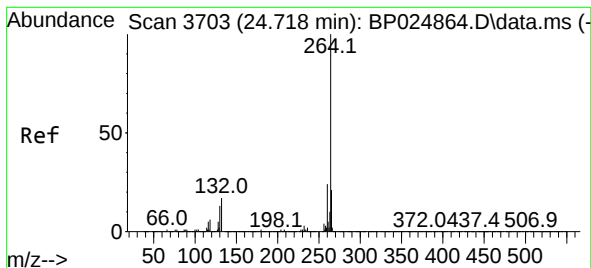
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

279 4.9 4.0 6.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.724 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

Instrument :

BNA_P

ClientSampleId :

72-11934

Tgt Ion:264 Resp: 1898676

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

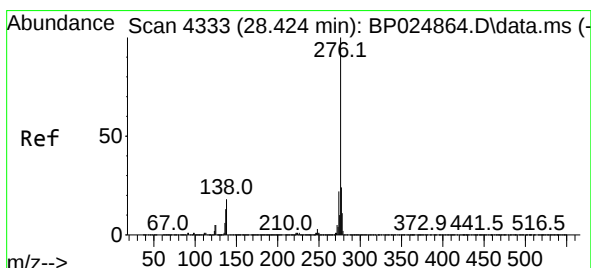
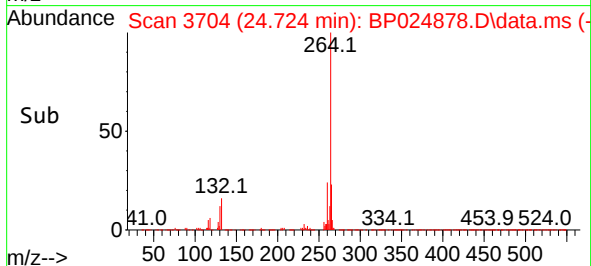
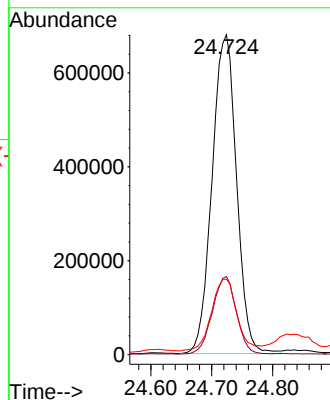
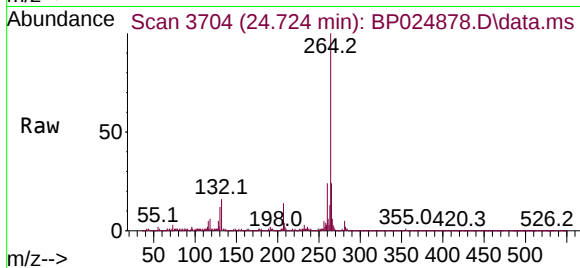
265 23.5 17.4 26.0

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: 20.839 ng

RT: 28.412 min Scan# 4331

Delta R.T. -0.012 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

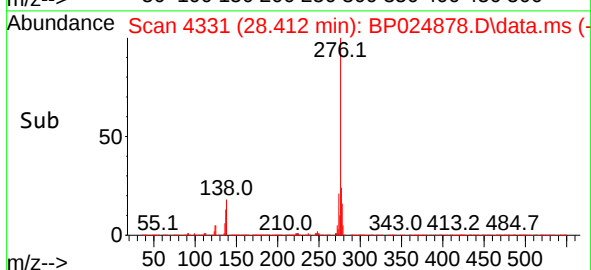
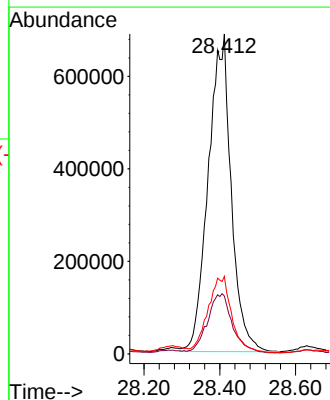
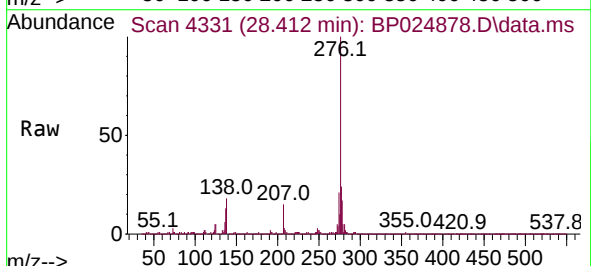
Tgt Ion:276 Resp: 2886914

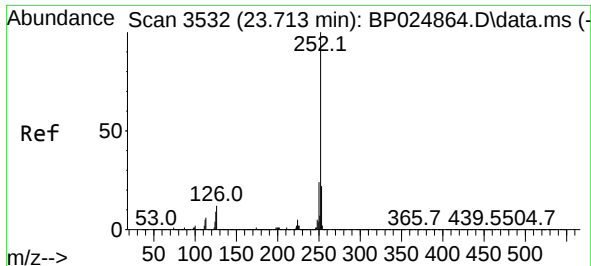
Ion Ratio Lower Upper

276 100

138 20.3 18.6 27.8

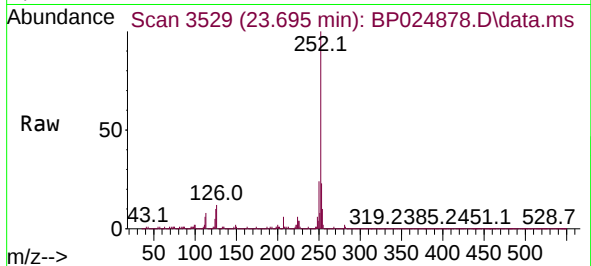
277 25.2 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 46.256 ng m
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

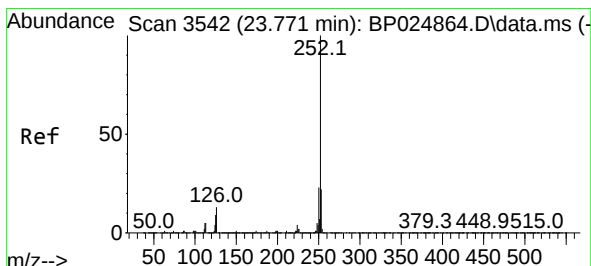
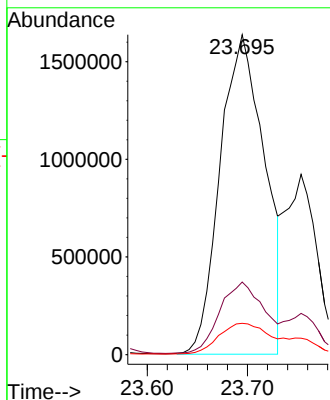
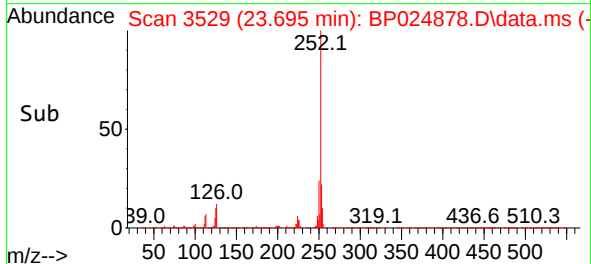
Instrument :
BNA_P
ClientSampleId :
72-11934



Tgt Ion:252 Resp: 5026250
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.8 7.1 10.7

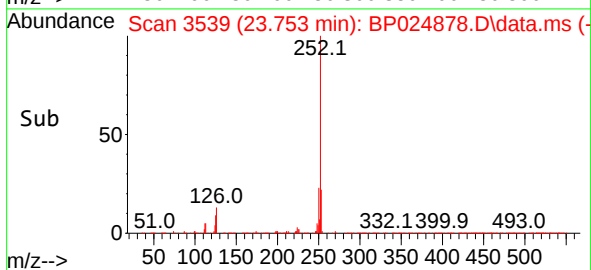
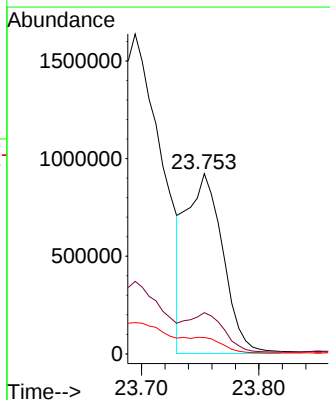
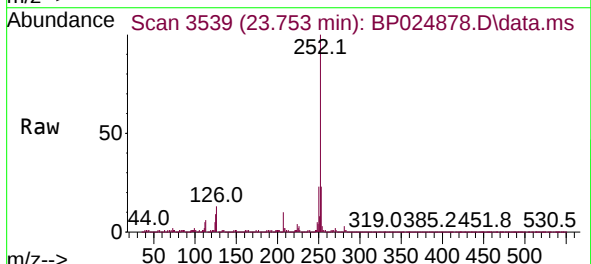
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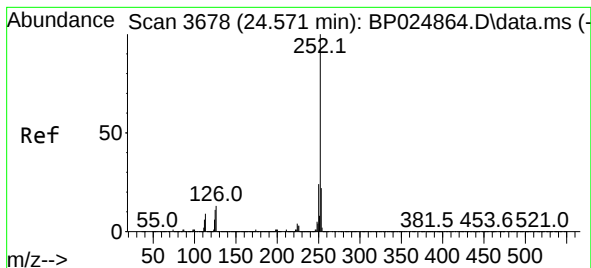
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#89
Benzo(k)fluoranthene
Concen: 18.185 ng m
RT: 23.753 min Scan# 3539
Delta R.T. -0.018 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

Tgt Ion:252 Resp: 2011401
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.1 7.4 11.0





#90

Benzo(a)pyrene

Concen: 34.517 ng

RT: 24.565 min Scan# 3678

Delta R.T. -0.006 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

Instrument :

BNA_P

ClientSampleId :

72-11934

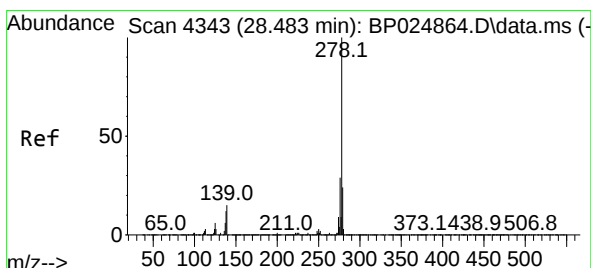
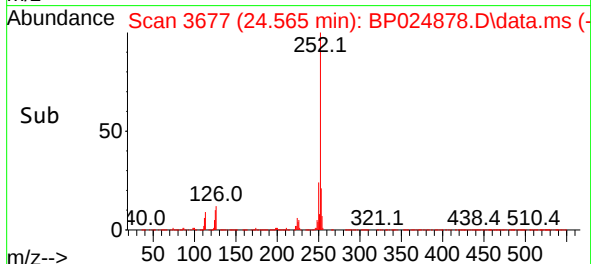
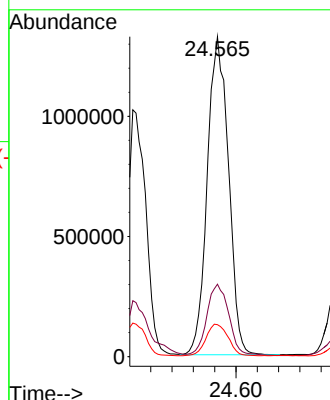
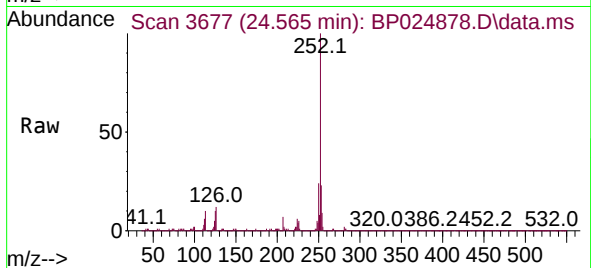
Tgt Ion:252 Resp: 3662814
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 10.0 8.8 13.2

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#91

Dibenzo(a,h)anthracene

Concen: 6.421 ng

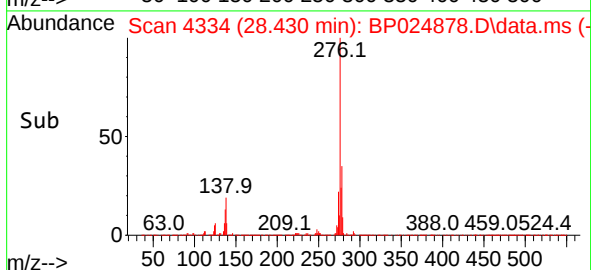
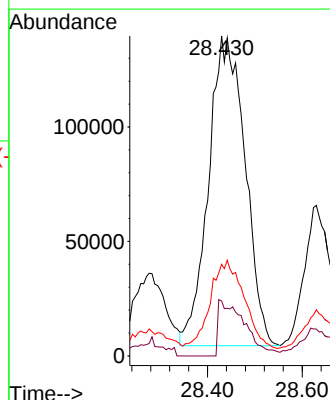
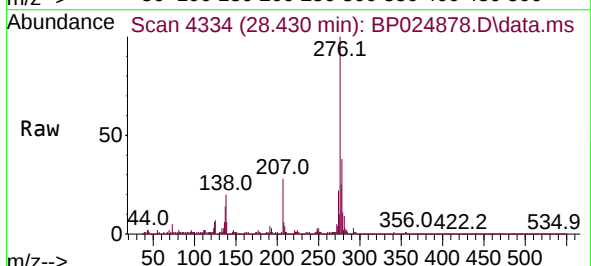
RT: 28.430 min Scan# 4334

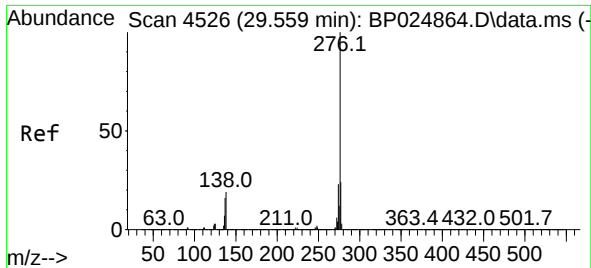
Delta R.T. -0.053 min

Lab File: BP024878.D

Acq: 09 Jun 2025 15:33

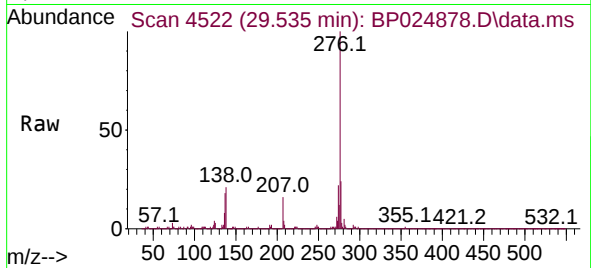
Tgt Ion:278 Resp: 724031
 Ion Ratio Lower Upper
 278 100
 139 17.1 12.0 18.0
 279 28.6 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 25.744 ng
RT: 29.535 min Scan# 4522
Delta R.T. -0.024 min
Lab File: BP024878.D
Acq: 09 Jun 2025 15:33

Instrument :
BNA_P
ClientSampleId :
72-11934



Tgt Ion: 276 Resp: 2880279
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 20.8 15.4 23.2

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

