

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024936.D
 Acq On : 12 Jun 2025 19:18
 Operator : RC/JU
 Sample : Q2296-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-6

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/13/2025
 Supervised By :Jagrut Upadhyay 06/13/2025

Quant Time: Jun 13 00:03:27 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	7.613	152	283062	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1143370	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	707328	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1335129	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1362258	20.000	ng	0.01
86) Perylene-d12	24.783	264	1658519	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1565076	92.292	ng	0.00
7) Phenol-d6	6.819	99	2052366	91.472	ng	0.00
23) Nitrobenzene-d5	8.760	82	1278481	54.335	ng	0.00
42) 2,4,6-Tribromophenol	15.777	330	940401	96.163	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2735637	52.101	ng	0.00
79) Terphenyl-d14	19.789	244	3683902	48.467	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.977	152	553599	8.404	ng	99
52) Acenaphthene	14.319	154	110424	2.925	ng	99
58) Fluorene	15.324	166	142915	2.920	ng	94
70) Pentachlorophenol	16.719	266	198826	21.036	ng	100
71) Phenanthrene	17.101	178	3631288	49.217	ng	99
72) Anthracene	17.189	178	1090299	14.591	ng	99
73) Carbazole	17.483	167	414532	5.985	ng	98
75) Fluoranthene	19.201	202	10541267	123.267	ng	98
78) Pyrene	19.577	202	9110456	107.048	ng	98
81) Benzo(a)anthracene	21.477	228	5802175	66.594	ng	97
83) Chrysene	21.548	228	5489214	66.491	ng	96
87) Indeno(1,2,3-cd)pyrene	28.494	276	5313049	43.906	ng	# 95
88) Benzo(b)fluoranthene	23.753	252	8646704	91.097	ng	98
89) Benzo(k)fluoranthene	23.812	252	2877360m	29.781	ng	
90) Benzo(a)pyrene	24.630	252	6068778	65.470	ng	97
91) Dibenzo(a,h)anthracene	28.547	278	1278438	12.979	ng	# 89
92) Benzo(g,h,i)perylene	29.659	276	5527045	56.555	ng	98

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

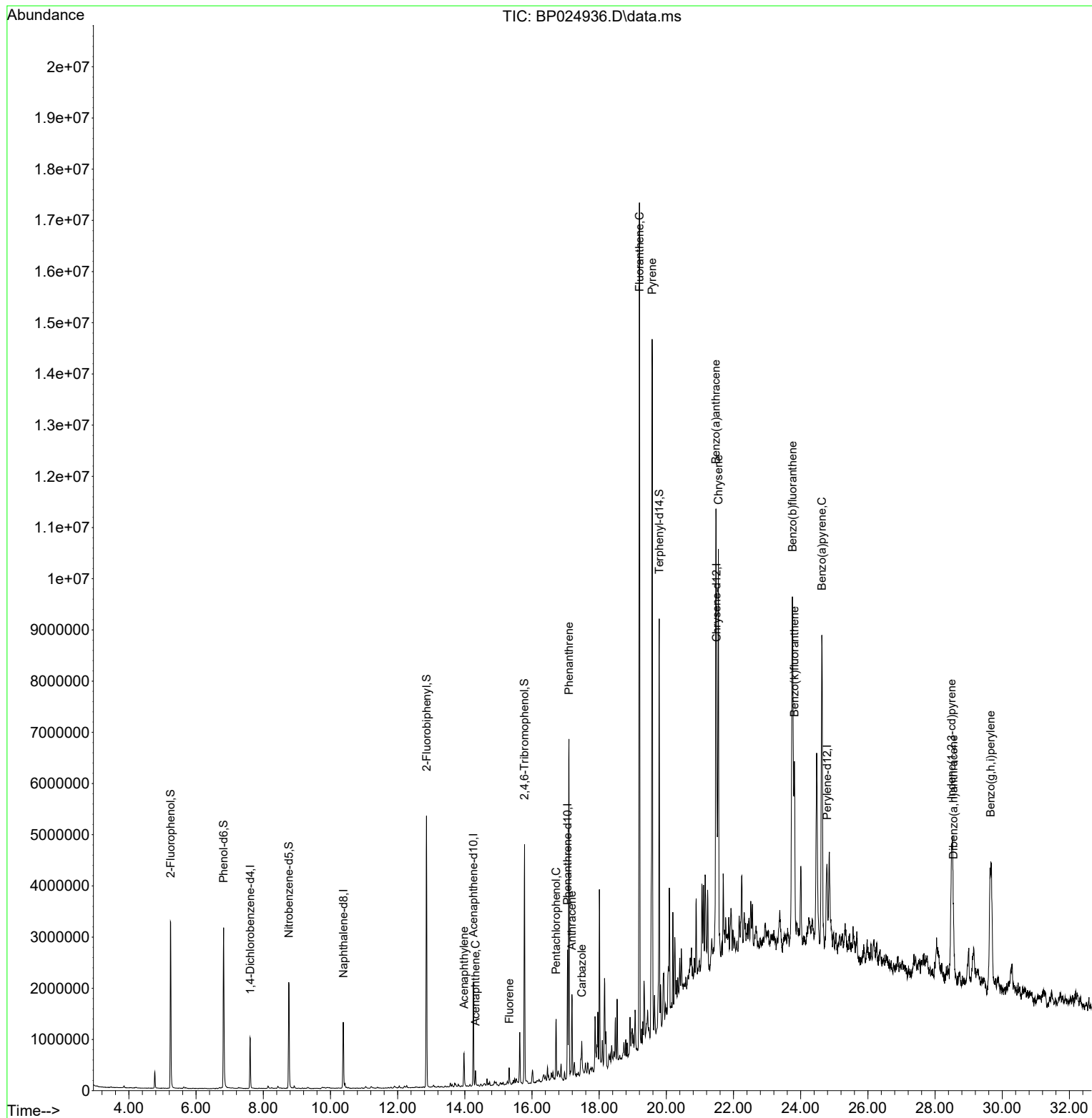
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024936.D
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ALS Vial : 15 Sample Multiplier: 1

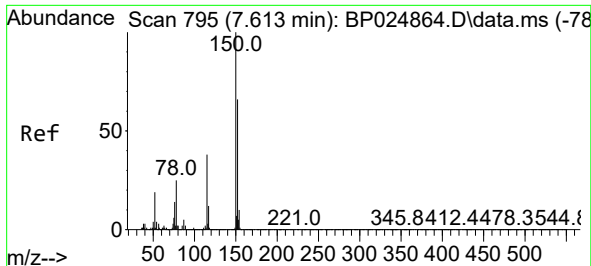
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Quant Time: Jun 13 00:03:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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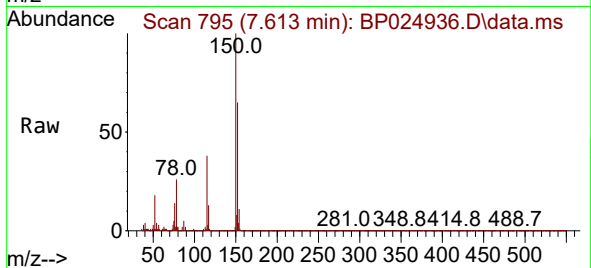
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

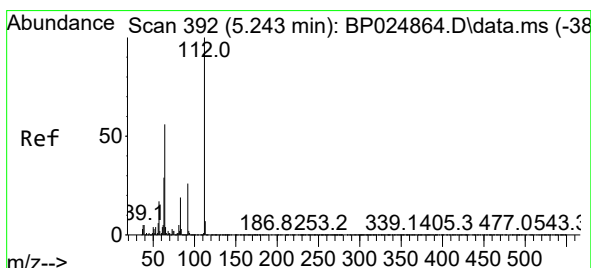
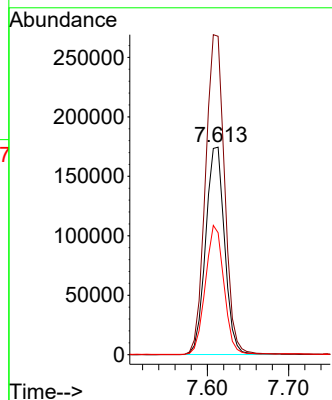
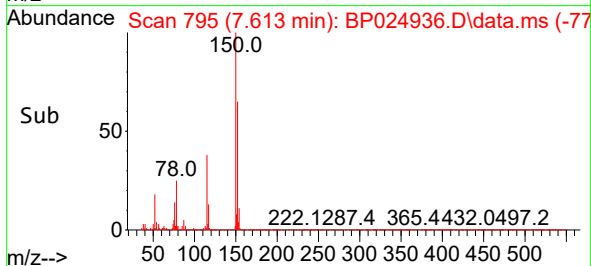
Instrument :
BNA_P
ClientSampleId :
WC-6



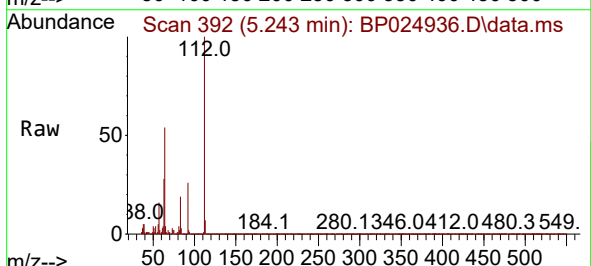
Tgt Ion:152 Resp: 283062
Ion Ratio Lower Upper
152 100
150 153.3 122.1 183.1
115 58.7 46.4 69.6

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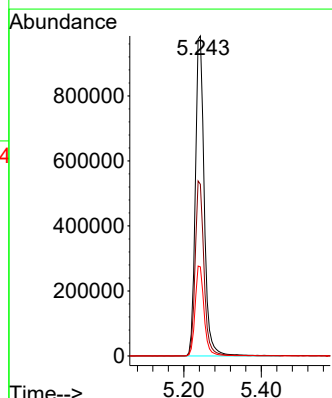
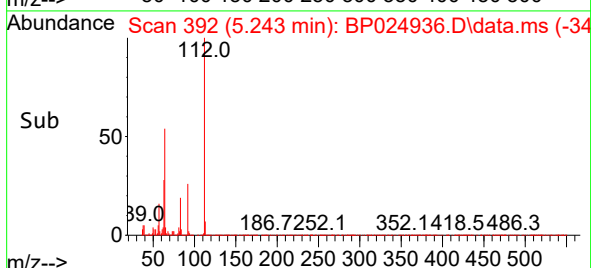
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Supervised By :Jagrut Upadhyay 06/13/2025

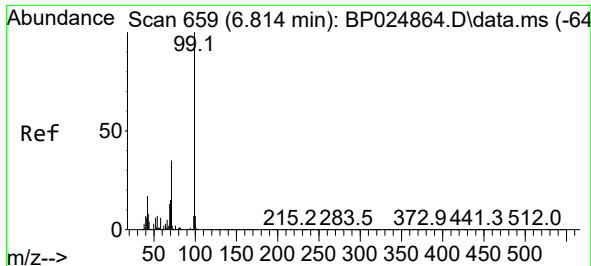


#5
2-Fluorophenol
Concen: 92.292 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18



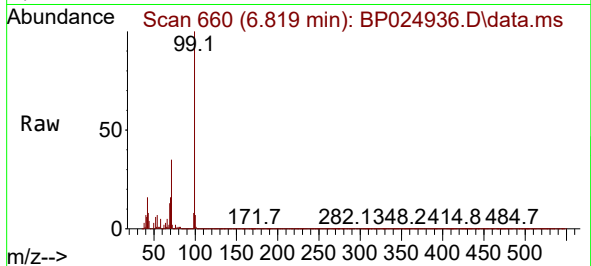
Tgt Ion:112 Resp: 1565076
Ion Ratio Lower Upper
112 100
64 53.6 44.7 67.1
63 27.8 23.5 35.3





#7
Phenol-d6
Concen: 91.472 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

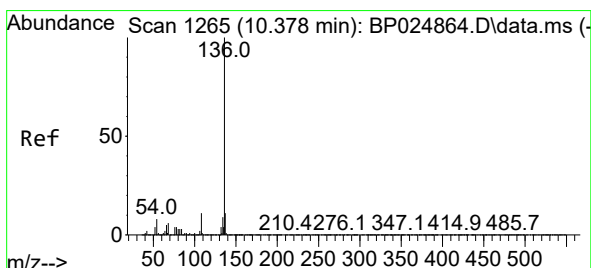
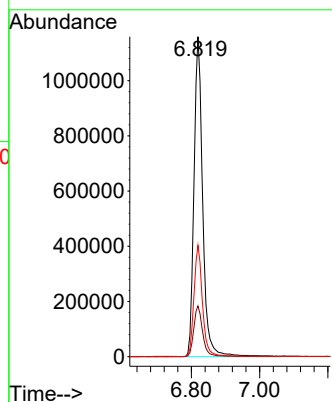
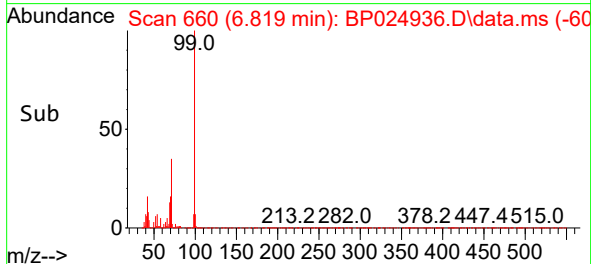
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Tgt Ion: 99 Resp: 2052360
Ion Ratio Lower Upper
99 100
42 15.9 13.4 20.2
71 34.8 27.6 41.4

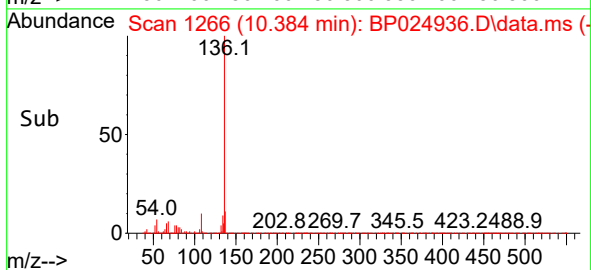
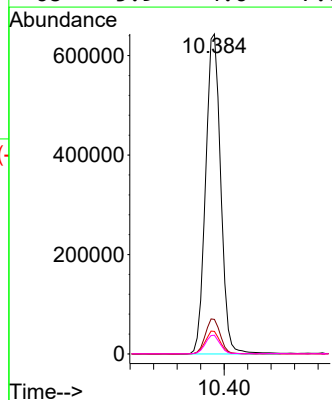
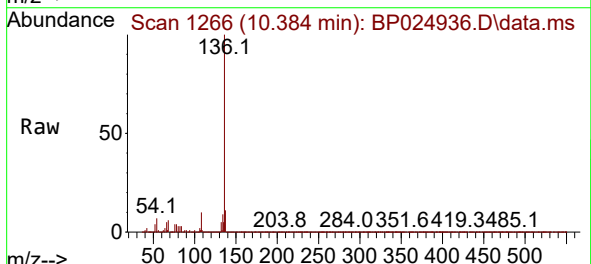
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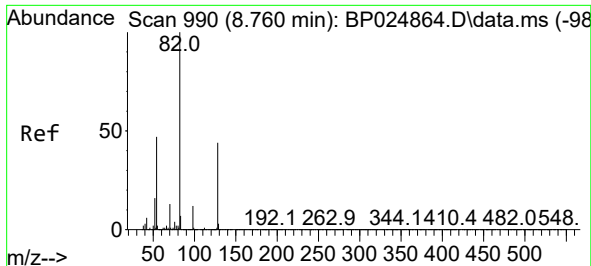
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

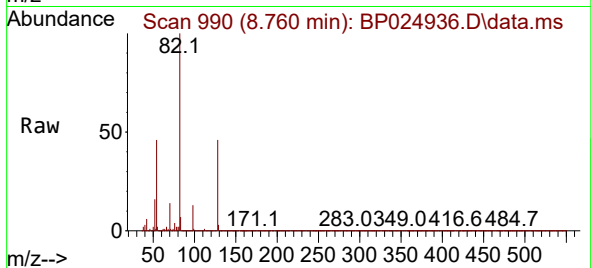
Tgt Ion:136 Resp: 1143370
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.1 9.1
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 54.335 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

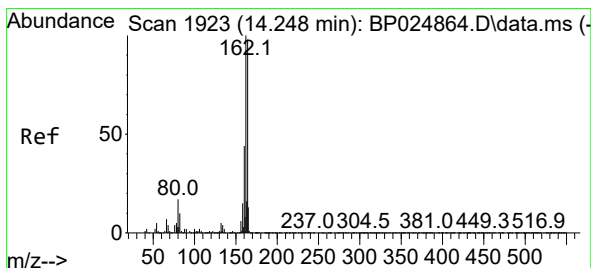
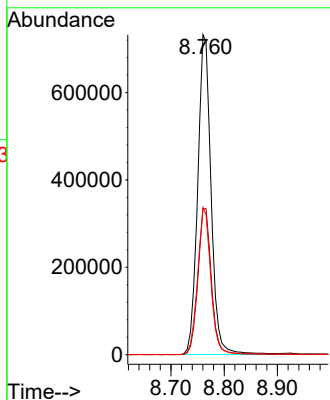
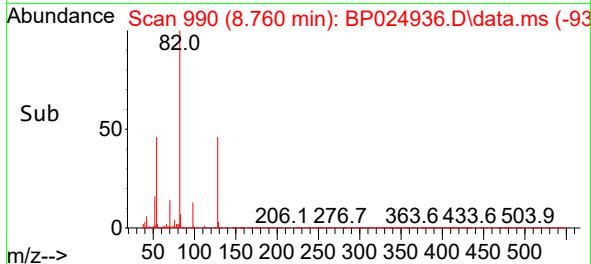
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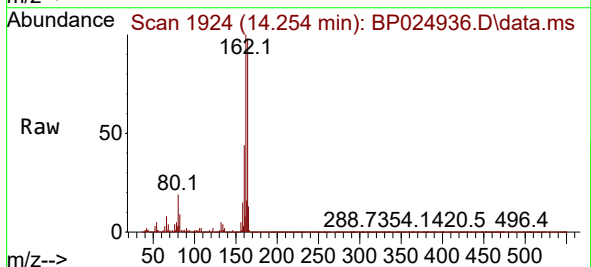
Tgt Ion: 82 Resp: 127848
Ion Ratio Lower Upper
82 100
128 45.7 35.3 52.9
54 46.0 37.4 56.0

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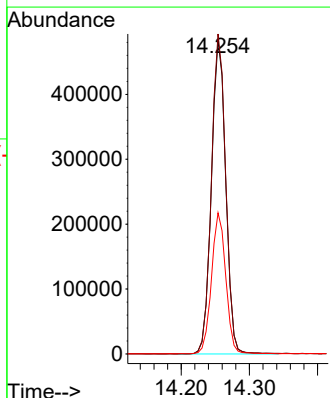
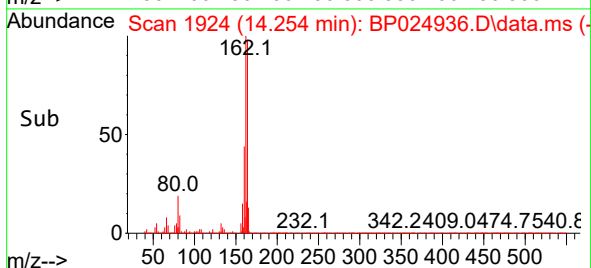
Reviewed By :Anahy Claudio 06/13/2025
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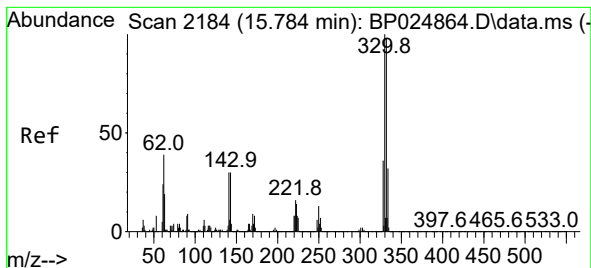


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18



Tgt Ion:164 Resp: 707328
Ion Ratio Lower Upper
164 100
162 102.0 81.6 122.4
160 45.0 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 96.163 ng

RT: 15.777 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024936.D

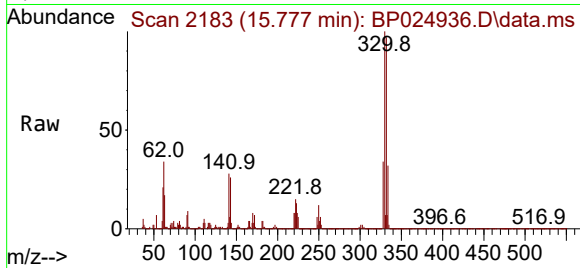
Acq: 12 Jun 2025 19:18

Instrument :

BNA_P

ClientSampleId :

WC-6



Tgt Ion:330 Resp: 94040

Ion Ratio Lower Upper

330 100

332 97.4 77.7 116.5

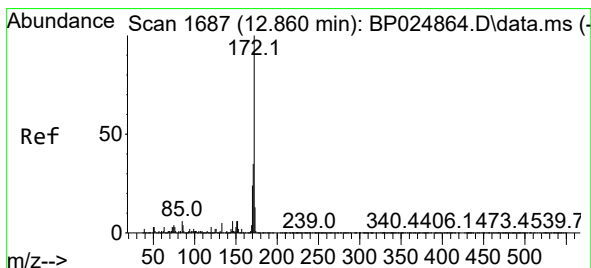
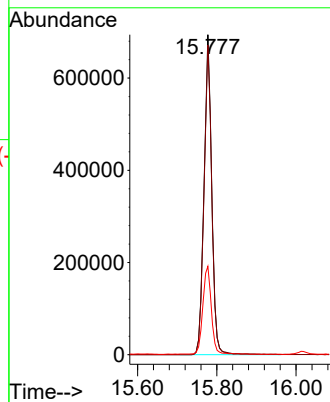
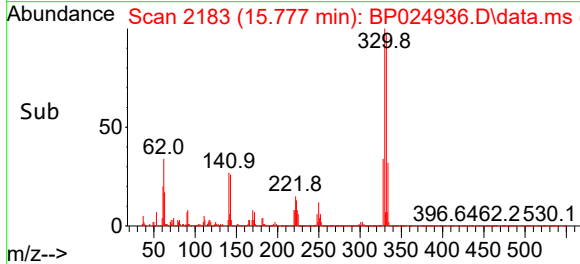
141 30.1 26.4 39.6

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 52.101 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

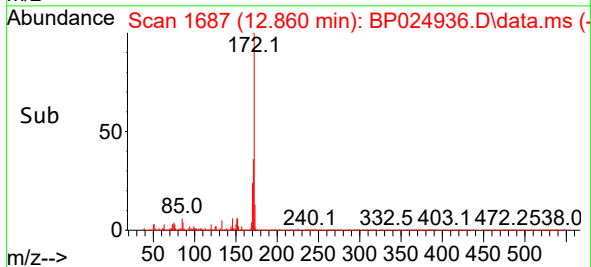
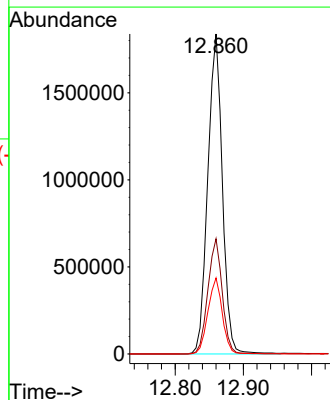
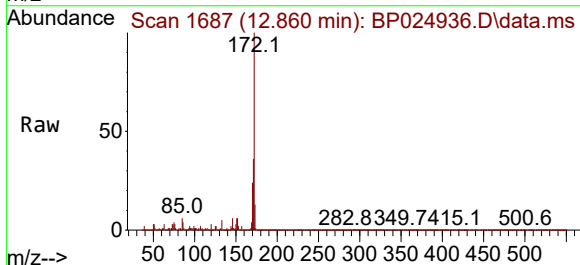
Tgt Ion:172 Resp: 2735637

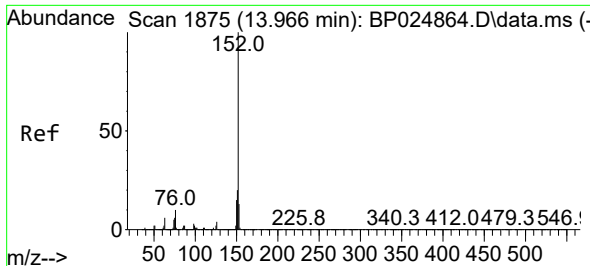
Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

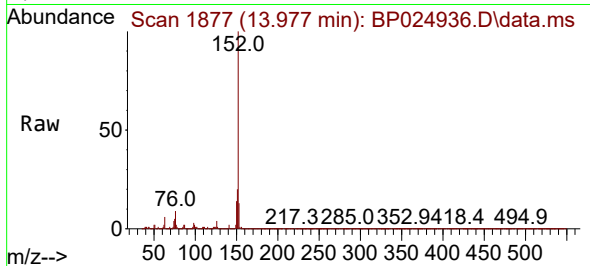
170 23.7 19.0 28.4





#49
Acenaphthylene
Concen: 8.404 ng
RT: 13.977 min Scan# 1877
Delta R.T. 0.011 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

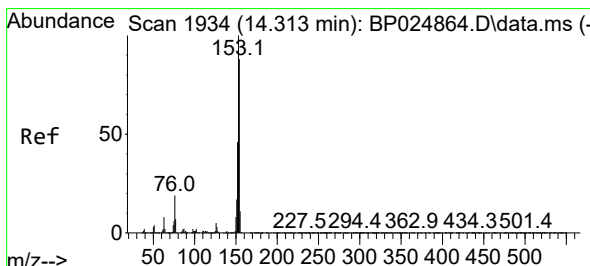
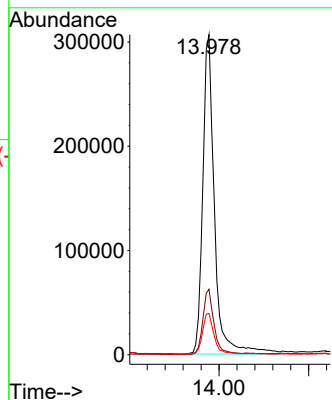
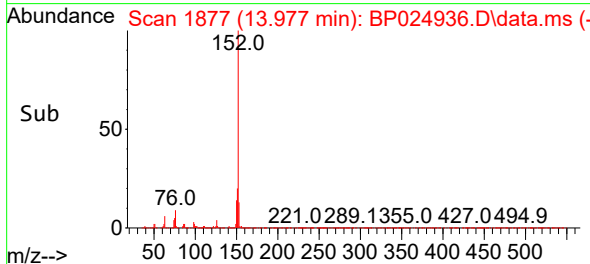
Instrument :
BNA_P
ClientSampleId :
WC-6



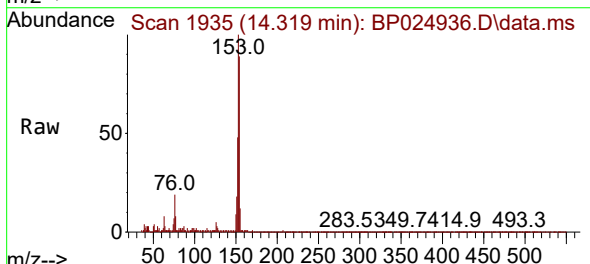
Tgt Ion:152 Resp: 55359
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 12.8 10.6 15.8

Manual Integrations
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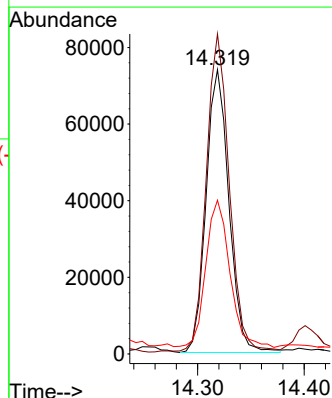
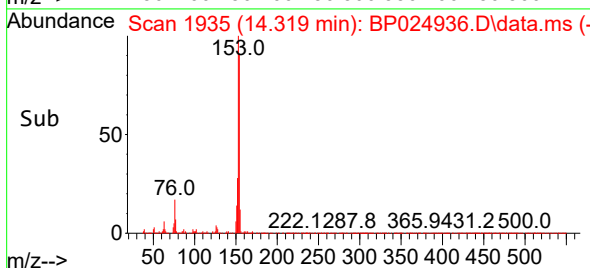
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

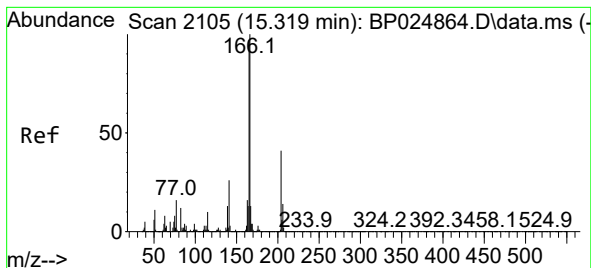


#52
Acenaphthene
Concen: 2.925 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18



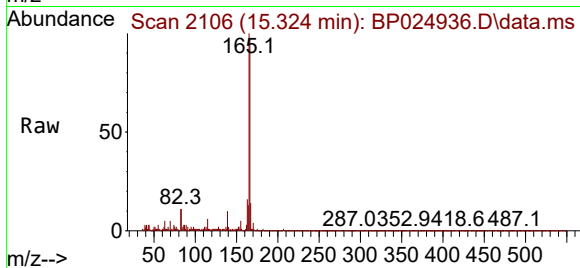
Tgt Ion:154 Resp: 110424
Ion Ratio Lower Upper
154 100
153 112.6 90.5 135.7
152 54.1 42.1 63.1





#58
Fluorene
Concen: 2.920 ng
RT: 15.324 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

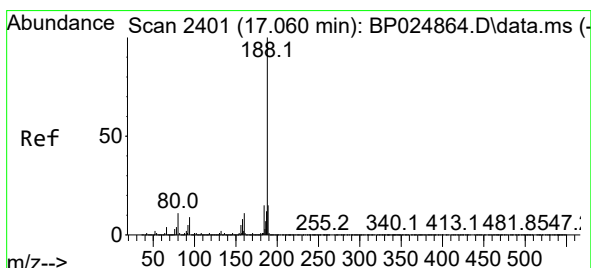
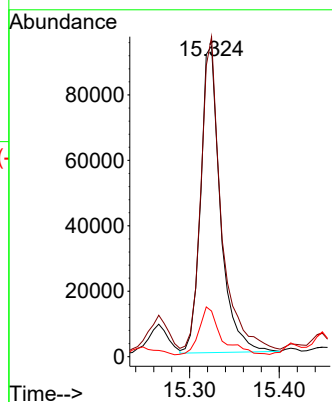
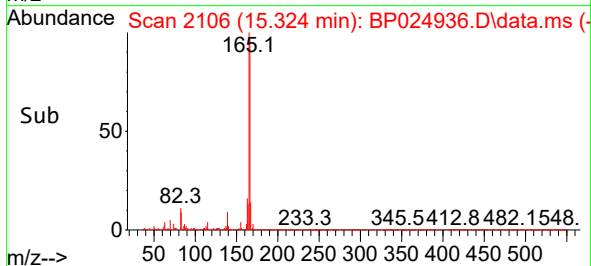
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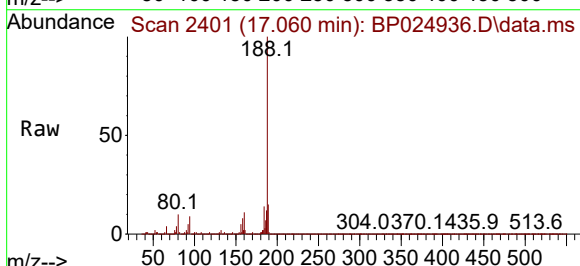
Tgt Ion:166 Resp: 142915
Ion Ratio Lower Upper
166 100
165 103.0 77.7 116.5
167 14.7 10.6 16.0

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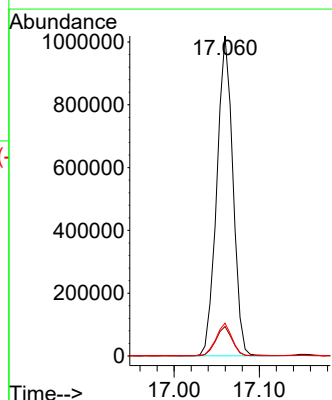
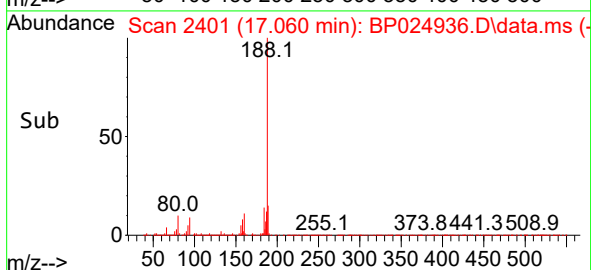
Reviewed By :Anahy Claudio 06/13/2025
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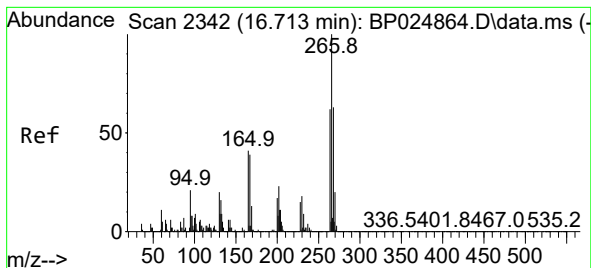


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18



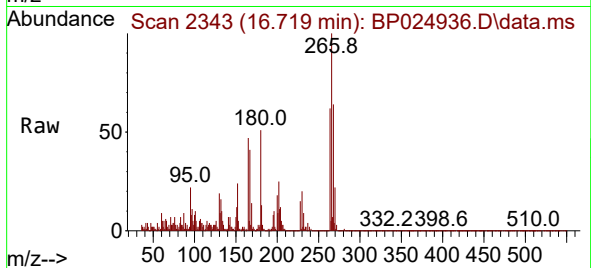
Tgt Ion:188 Resp: 1335129
Ion Ratio Lower Upper
188 100
94 9.2 7.3 10.9
80 10.2 8.5 12.7





#70
Pentachlorophenol
Concen: 21.036 ng
RT: 16.719 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

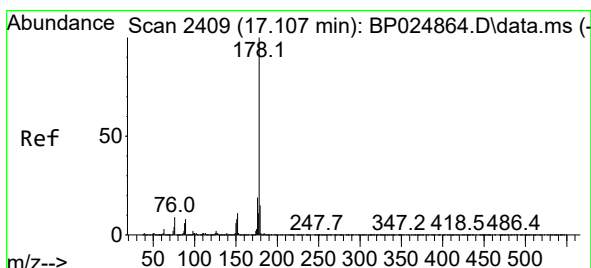
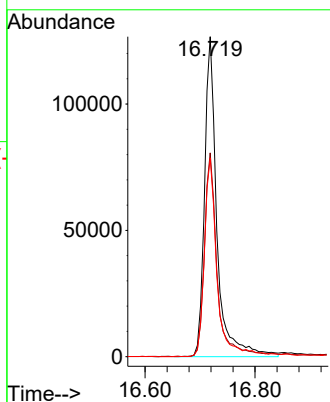
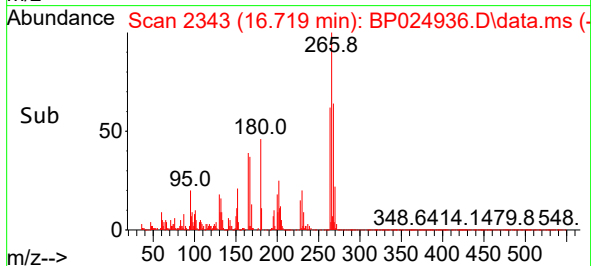
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WC-6



Tgt Ion:266 Resp: 198820
Ion Ratio Lower Upper
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268 63.7 50.6 76.0
264 62.2 49.7 74.5

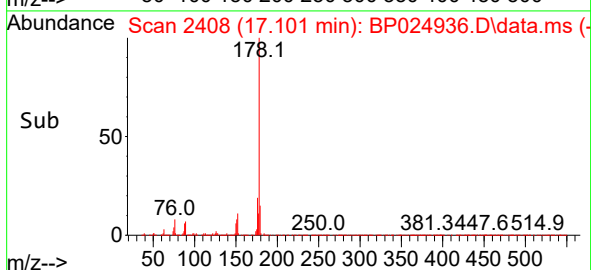
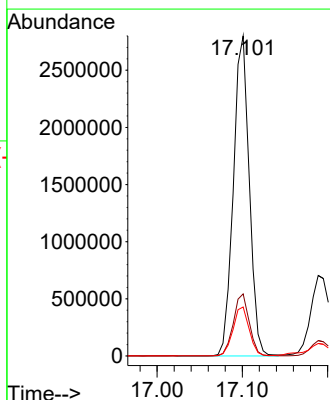
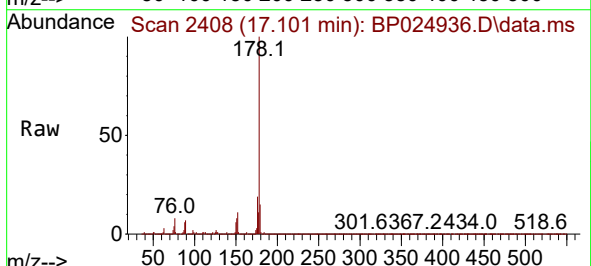
Manual Integrations
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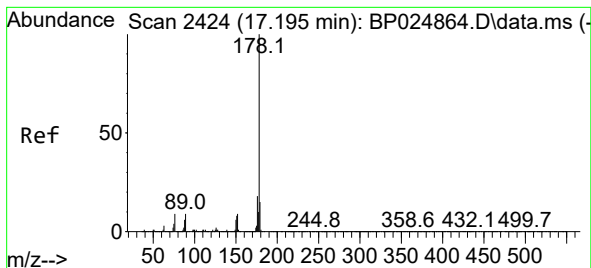
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#71
Phenanthrene
Concen: 49.217 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

Tgt Ion:178 Resp: 3631288
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.3 12.1 18.1





#72

Anthracene

Concen: 14.591 ng

RT: 17.189 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

Instrument :

BNA_P

ClientSampleId :

WC-6

Tgt Ion:178 Resp: 1090299

Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

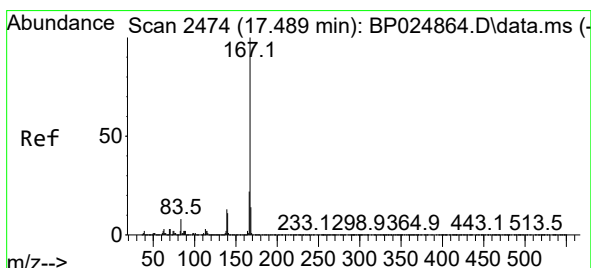
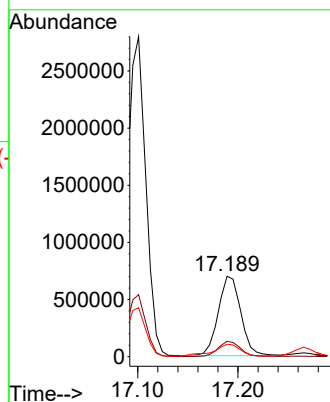
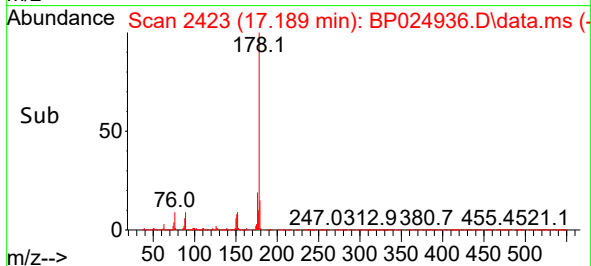
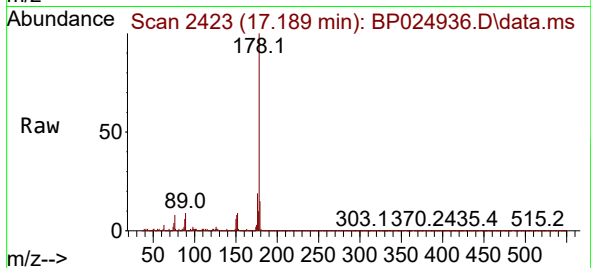
179 15.5 12.3 18.5

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Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#73

Carbazole

Concen: 5.985 ng

RT: 17.483 min Scan# 2473

Delta R.T. -0.006 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

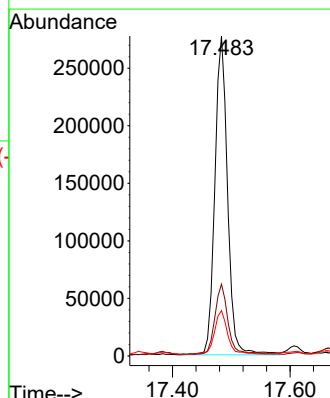
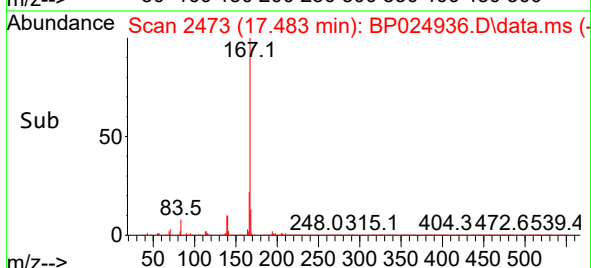
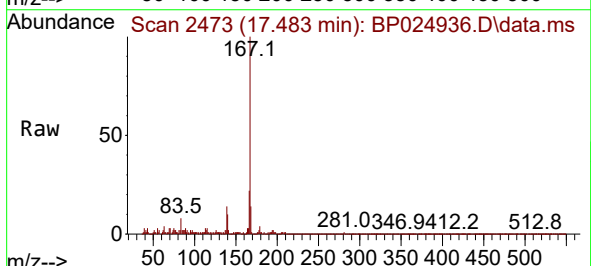
Tgt Ion:167 Resp: 414532

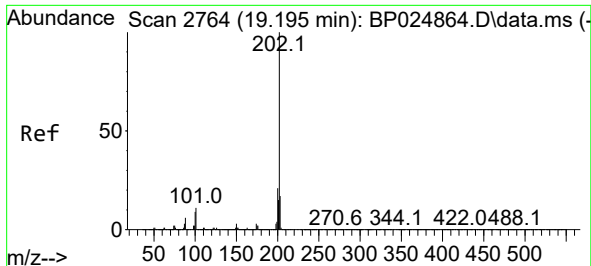
Ion Ratio Lower Upper

167 100

166 22.5 17.3 25.9

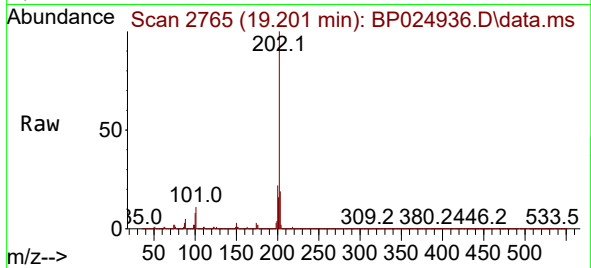
139 14.1 10.8 16.2





#75
Fluoranthene
Concen: 123.267 ng
RT: 19.201 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

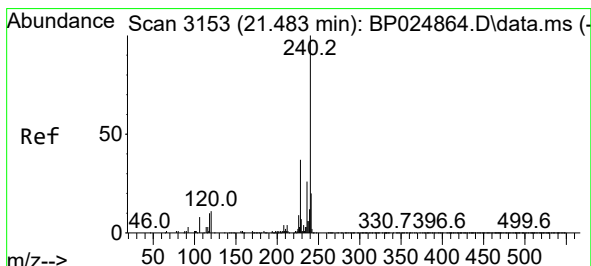
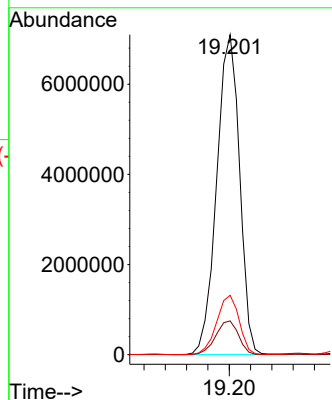
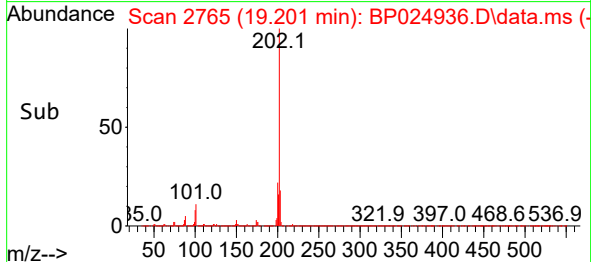
Instrument :
BNA_P
ClientSampleId :
WC-6



Tgt Ion:202 Resp:1054126
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 18.6 0.0 37.5

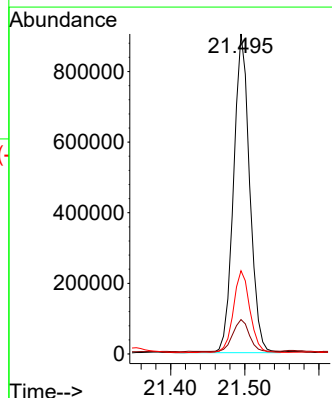
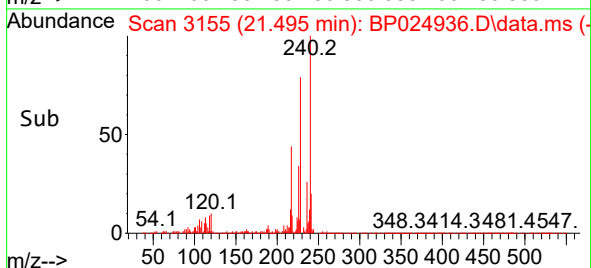
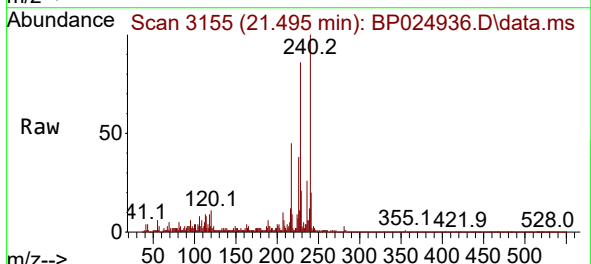
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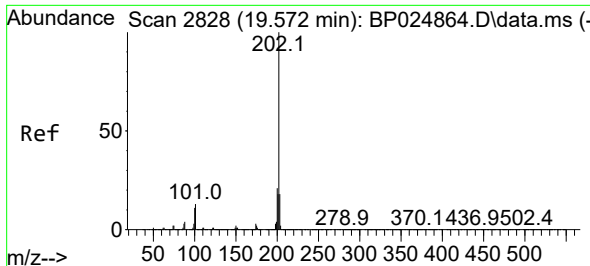
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.011 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

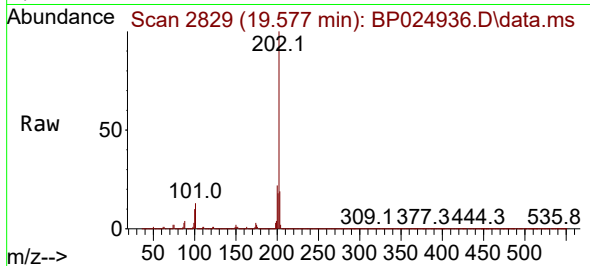
Tgt Ion:240 Resp: 1362258
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.0 20.9 31.3





#78
Pyrene
Concen: 107.048 ng
RT: 19.577 min Scan# 2828
Delta R.T. 0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

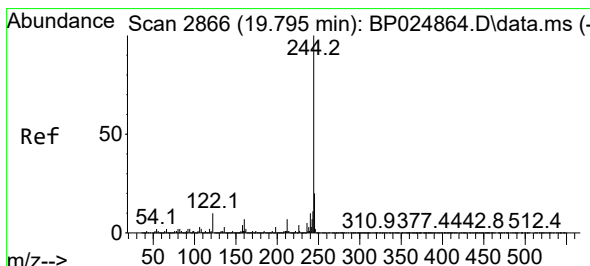
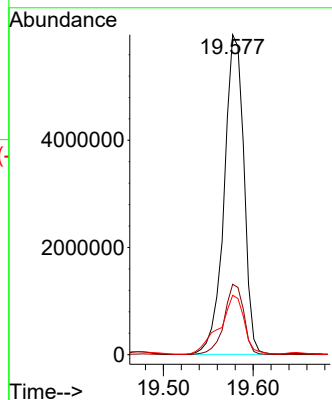
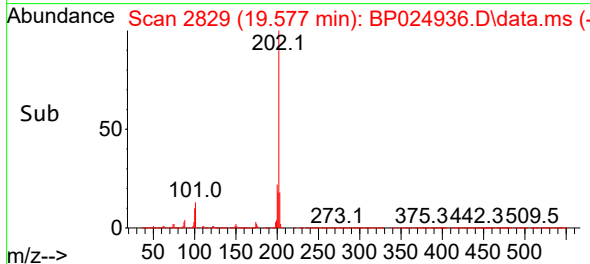
Instrument :
BNA_P
ClientSampleId :
WC-6



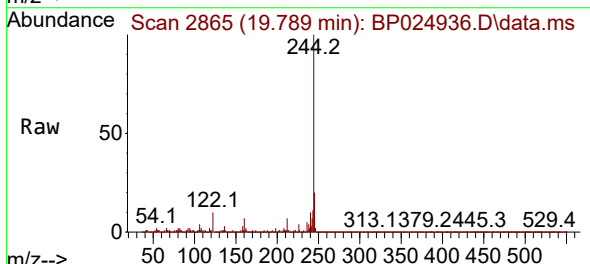
Tgt Ion:202 Resp: 9110450
Ion Ratio Lower Upper
202 100
200 22.0 17.1 25.7
203 18.5 14.0 21.0

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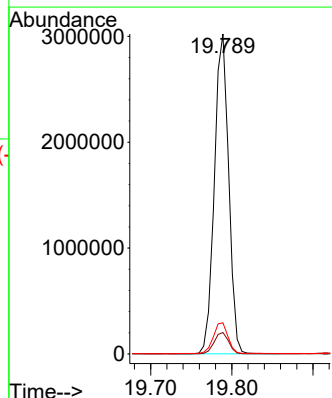
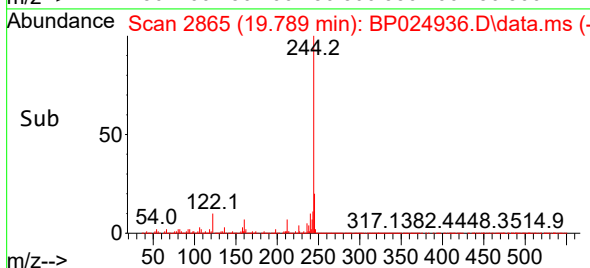
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

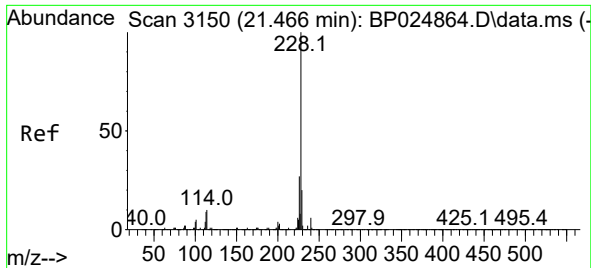


#79
Terphenyl-d14
Concen: 48.467 ng
RT: 19.789 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18



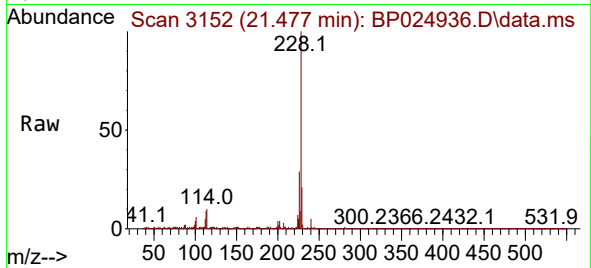
Tgt Ion:244 Resp: 3683902
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.8 7.7 11.5





#81
Benzo(a)anthracene
Concen: 66.594 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.011 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

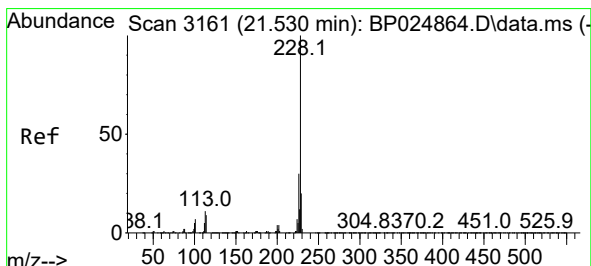
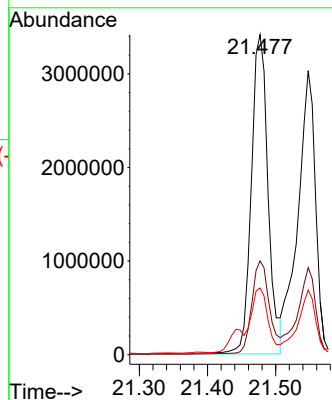
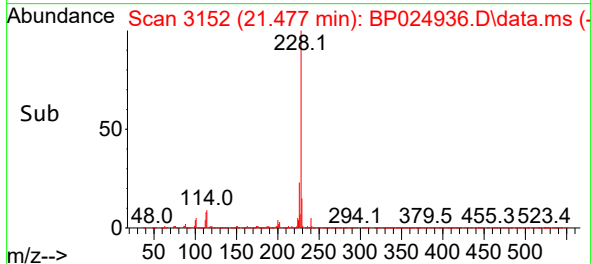
Instrument :
BNA_P
ClientSampleId :
WC-6



Tgt Ion:228 Resp: 580217
Ion Ratio Lower Upper
228 100
226 29.3 22.1 33.1
229 20.9 15.9 23.9

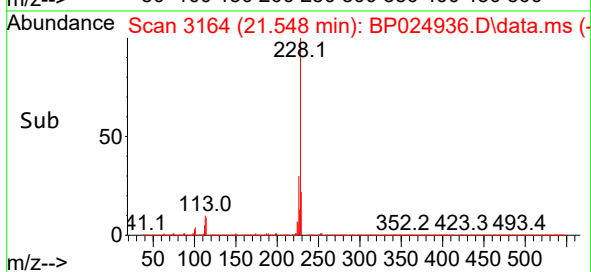
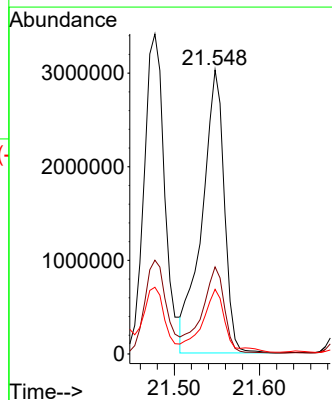
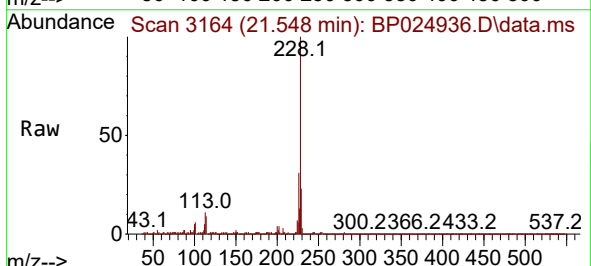
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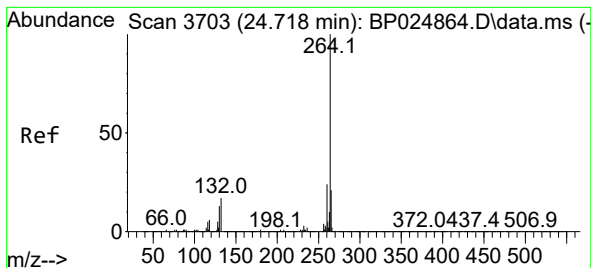
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#83
Chrysene
Concen: 66.491 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.017 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

Tgt Ion:228 Resp: 5489214
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.783 min Scan# 31

Delta R.T. 0.064 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

Instrument :

BNA_P

ClientSampleId :

WC-6

Tgt Ion:264 Resp: 1658519

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

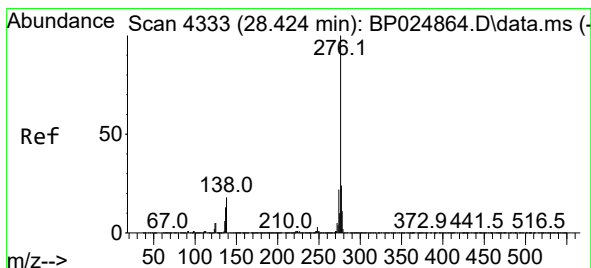
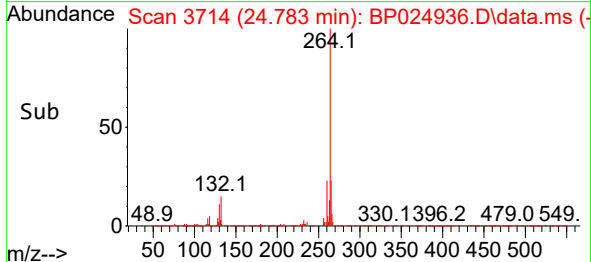
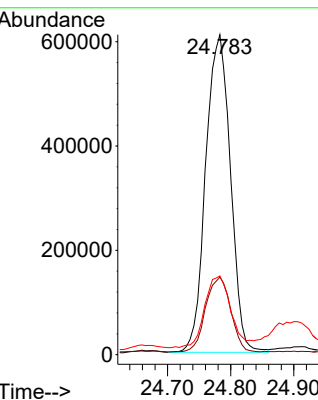
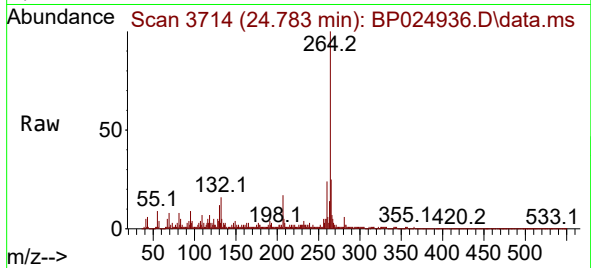
265 24.6 17.4 26.0

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Supervised By :Jagrut Upadhyay 06/13/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 43.906 ng

RT: 28.494 min Scan# 4345

Delta R.T. 0.070 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

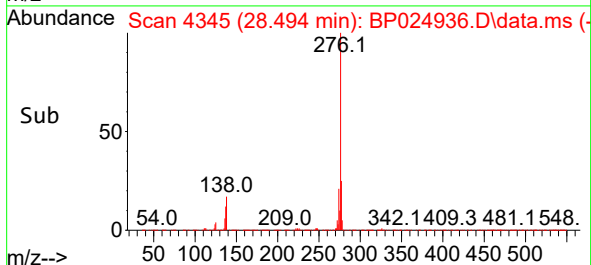
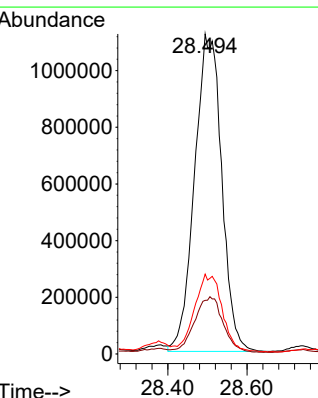
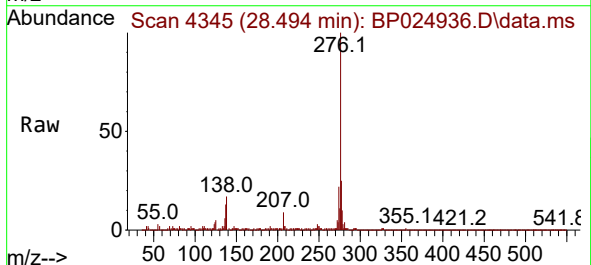
Tgt Ion:276 Resp: 5313049

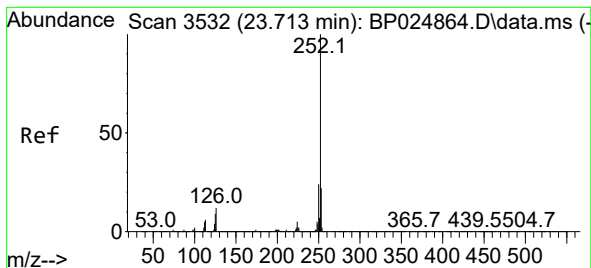
Ion Ratio Lower Upper

276 100

138 18.5 18.6 27.8#

277 24.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 91.097 ng

RT: 23.753 min Scan# 3539

Delta R.T. 0.041 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

Instrument :

BNA_P

ClientSampleId :

WC-6

Tgt Ion:252 Resp: 8646704

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

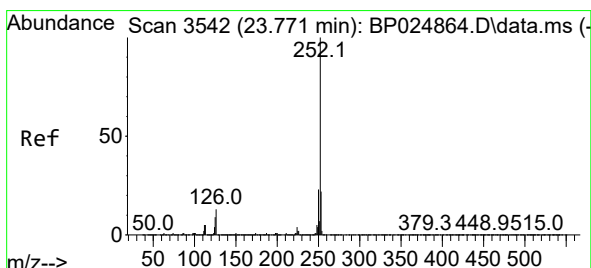
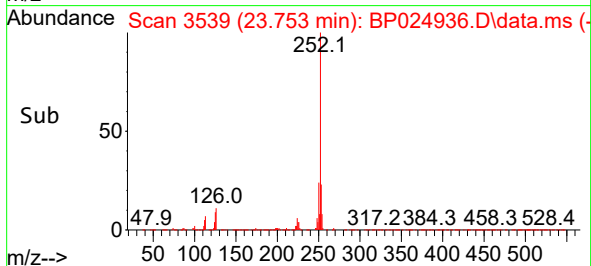
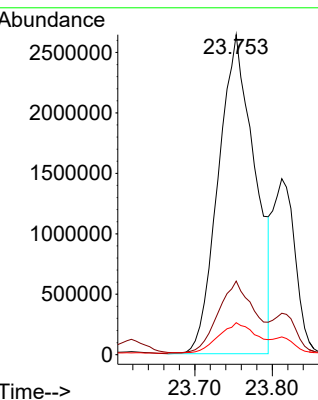
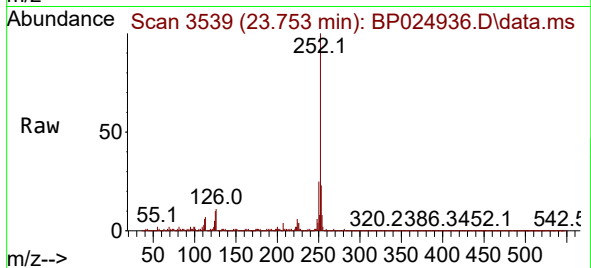
125 10.0 7.1 10.7

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#89

Benzo(k)fluoranthene

Concen: 29.781 ng m

RT: 23.812 min Scan# 3549

Delta R.T. 0.041 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

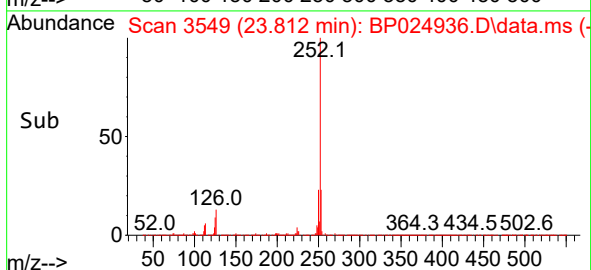
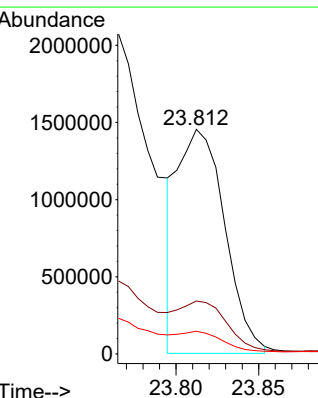
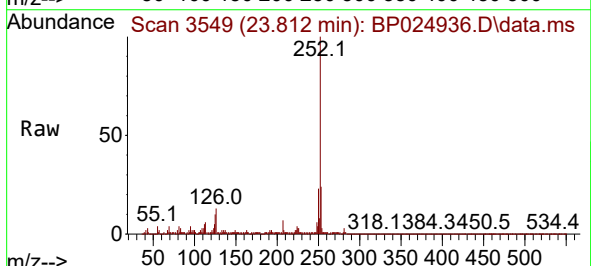
Tgt Ion:252 Resp: 2877360

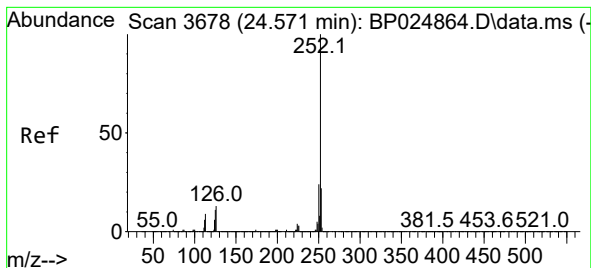
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 10.1 7.4 11.0





#90

Benzo(a)pyrene

Concen: 65.470 ng

RT: 24.630 min Scan# 30

Delta R.T. 0.058 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

Instrument :

BNA_P

ClientSampleId :

WC-6

Tgt Ion:252 Resp: 6068778

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

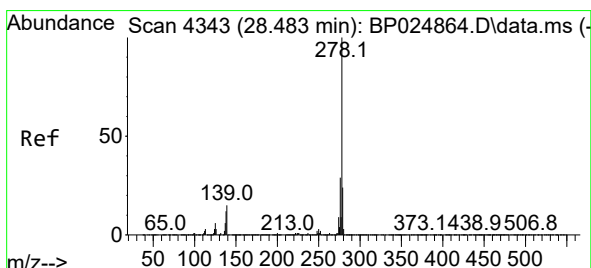
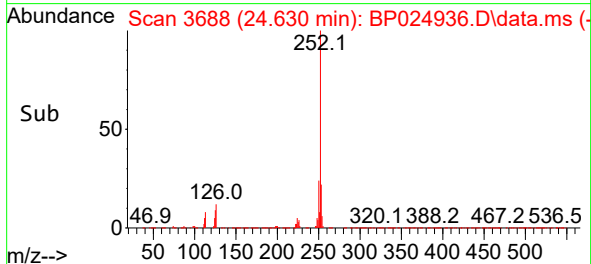
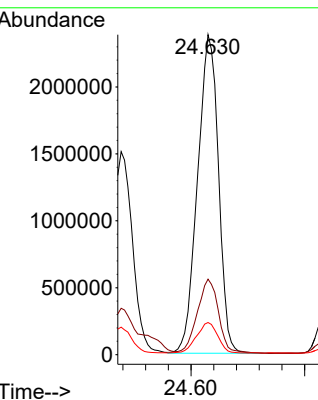
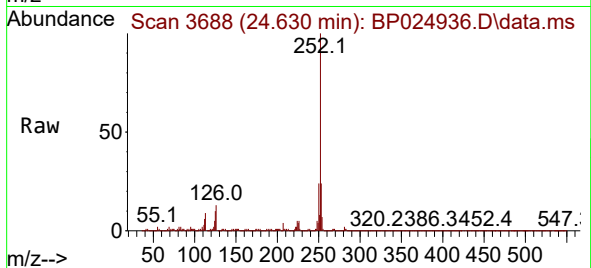
125 10.0 8.8 13.2

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Supervised By :Jagrut Upadhyay 06/13/2025



#91

Dibenzo(a,h)anthracene

Concen: 12.979 ng

RT: 28.547 min Scan# 4354

Delta R.T. 0.064 min

Lab File: BP024936.D

Acq: 12 Jun 2025 19:18

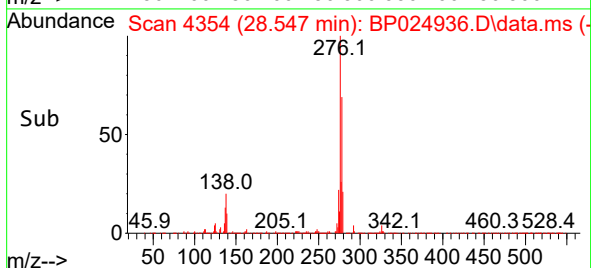
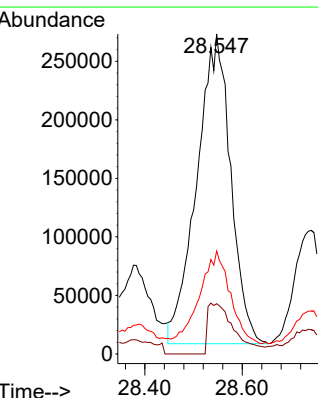
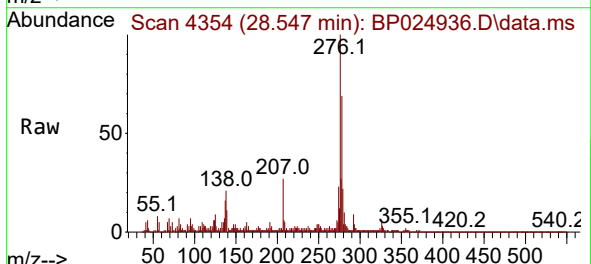
Tgt Ion:278 Resp: 1278438

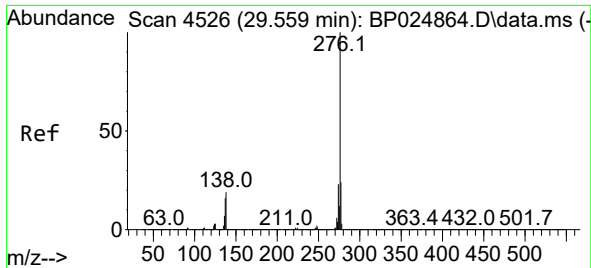
Ion Ratio Lower Upper

278 100

139 15.7 12.0 18.0

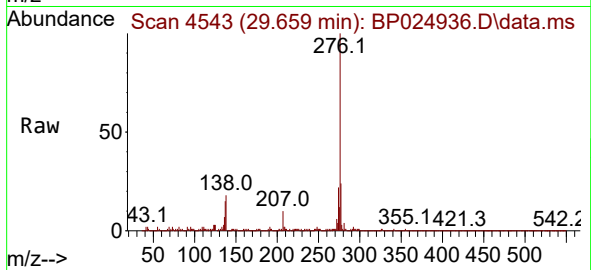
279 32.2 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 56.555 ng
RT: 29.659 min Scan# 4543
Delta R.T. 0.100 min
Lab File: BP024936.D
Acq: 12 Jun 2025 19:18

Instrument :
BNA_P
ClientSampleId :
WC-6



Tgt Ion: 276 Resp: 552704
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 18.1 15.4 23.2

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Supervised By :Jagrut Upadhyay 06/13/2025

