

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024901.D
 Acq On : 10 Jun 2025 19:51
 Operator : RC/JU
 Sample : Q2176-04 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-26

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 02:05:32 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	7.608	152	331428	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1353167	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	851560	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1568912	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1528631	20.000	ng	0.02
86) Perylene-d12	24.766	264	1800536	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	986538	49.686	ng	0.00
7) Phenol-d6	6.814	99	1286457	48.969	ng	0.00
23) Nitrobenzene-d5	8.761	82	811243	29.132	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	571255	48.521	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1994483	31.552	ng	0.00
79) Terphenyl-d14	19.801	244	2816385	33.021	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.101	178	892175	10.290	ng	100
72) Anthracene	17.201	178	222160	2.530	ng	100
75) Fluoranthene	19.195	202	1979200	19.696	ng	99
78) Pyrene	19.578	202	1639303	17.165	ng	100
81) Benzo(a)anthracene	21.483	228	716631	7.330	ng	99
83) Chrysene	21.548	228	744662	8.038	ng	96
87) Indeno(1,2,3-cd)pyrene	28.459	276	441583	3.361	ng	# 95
88) Benzo(b)fluoranthene	23.736	252	884835	8.587	ng	# 95
89) Benzo(k)fluoranthene	23.795	252	371610m	3.543	ng	
90) Benzo(a)pyrene	24.607	252	620829	6.169	ng	# 93
92) Benzo(g,h,i)perylene	29.618	276	431887	4.071	ng	95

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

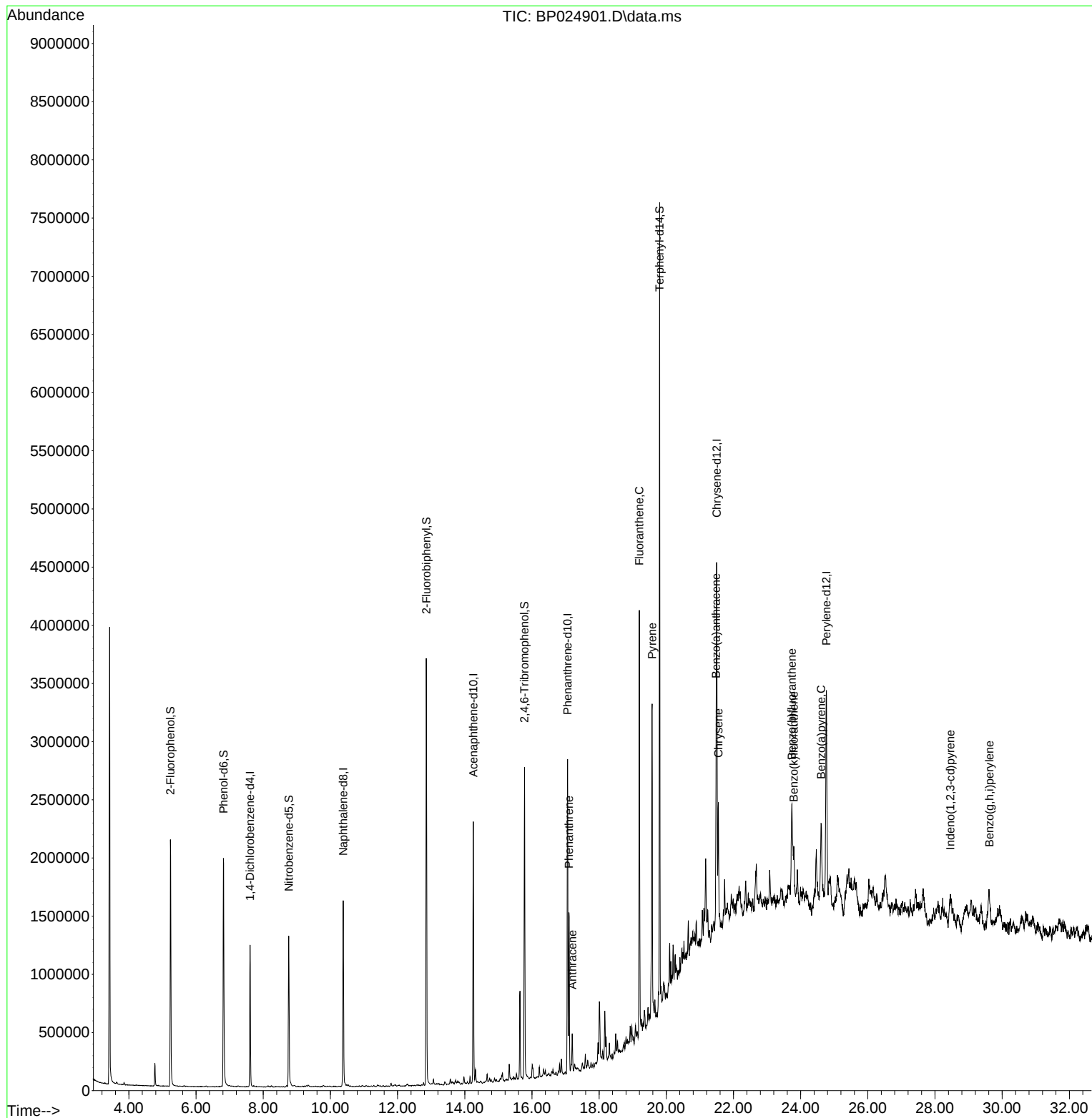
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

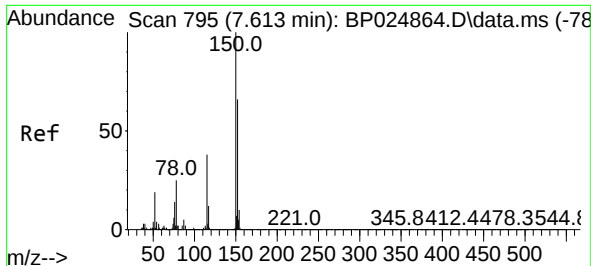
Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Time: Jun 11 02:05:32 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

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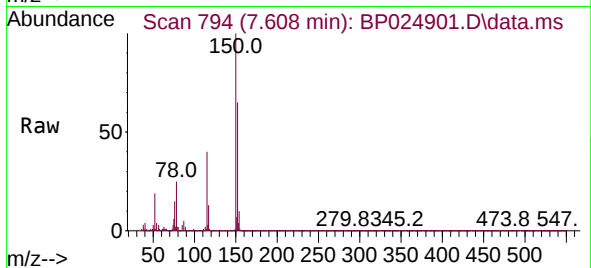
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

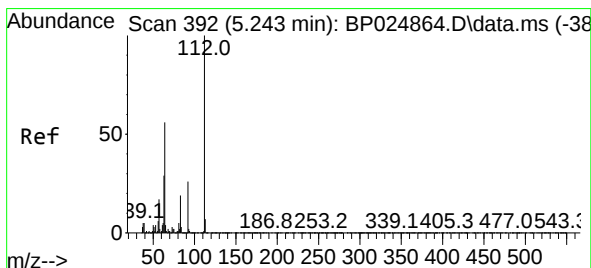
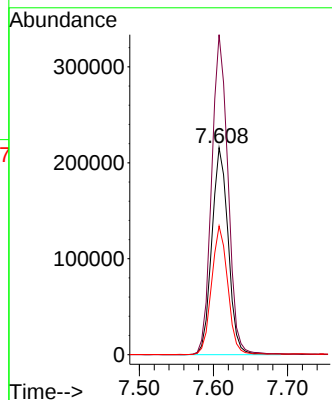
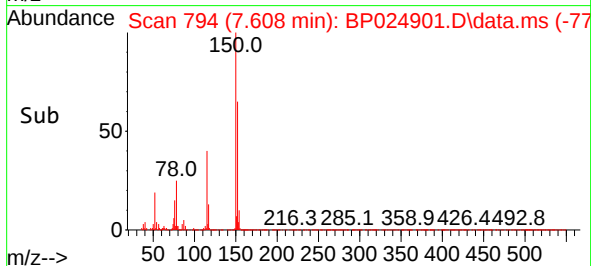
Instrument :
BNA_P
ClientSampleId :
TP-26



Tgt Ion:152 Resp: 331428
Ion Ratio Lower Upper
152 100
150 154.6 122.1 183.1
115 62.2 46.4 69.6

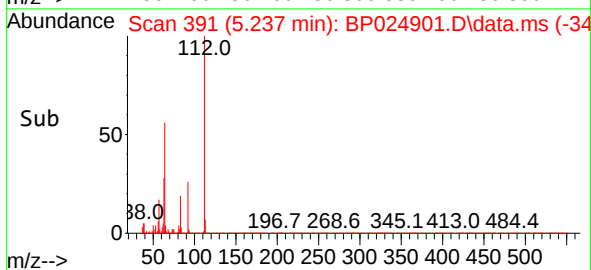
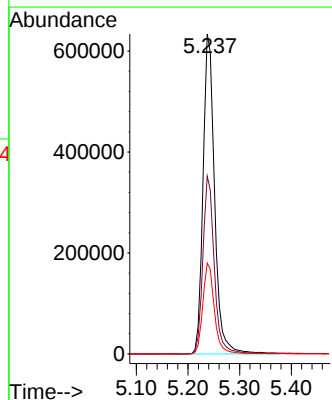
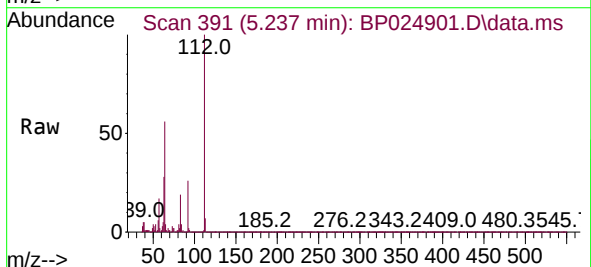
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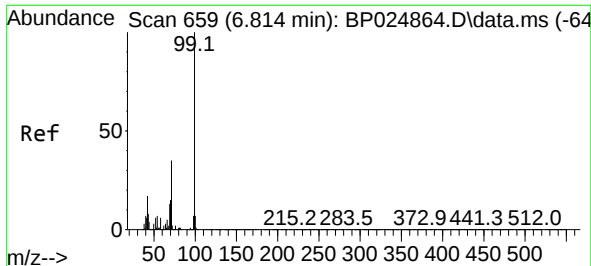
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#5
2-Fluorophenol
Concen: 49.686 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

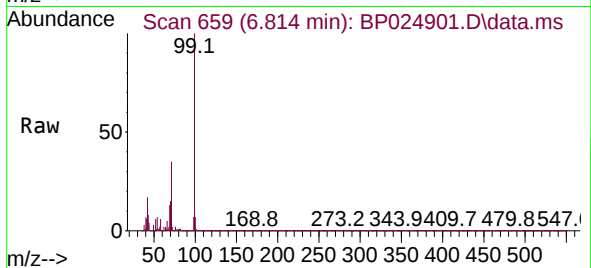
Tgt Ion:112 Resp: 986538
Ion Ratio Lower Upper
112 100
64 55.6 44.7 67.1
63 28.4 23.5 35.3





#7
Phenol-d6
Concen: 48.969 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

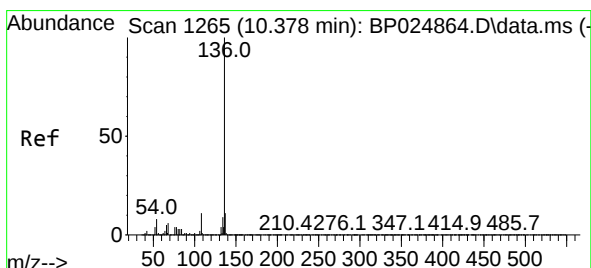
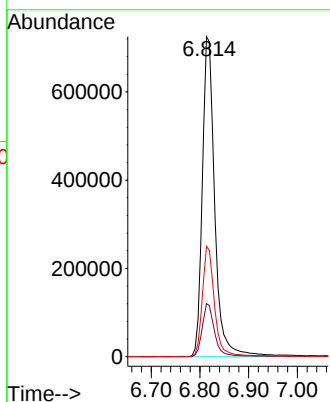
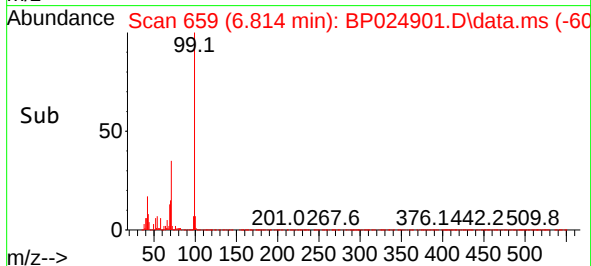
Instrument :
BNA_P
ClientSampleId :
TP-26



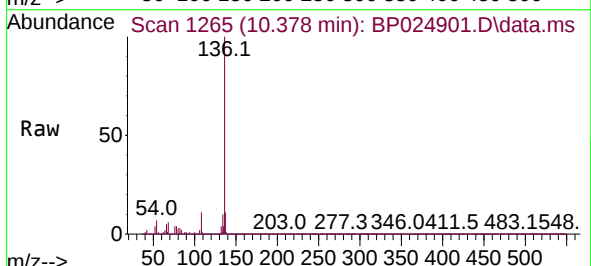
Tgt Ion: 99 Resp: 128645
Ion Ratio Lower Upper
99 100
42 16.6 13.4 20.2
71 34.5 27.6 41.4

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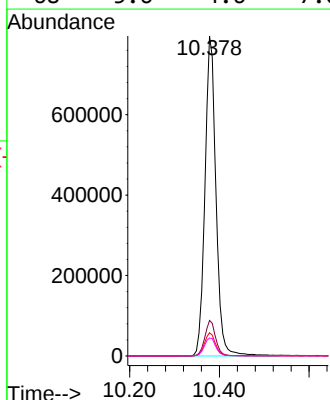
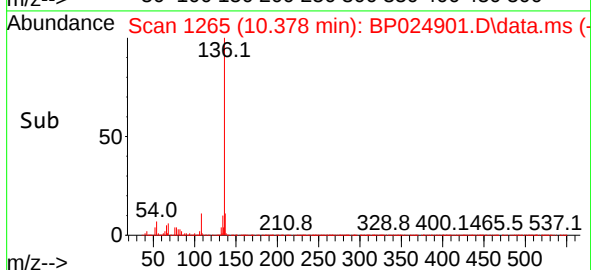
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

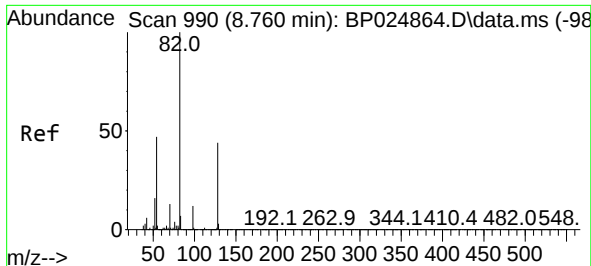


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51



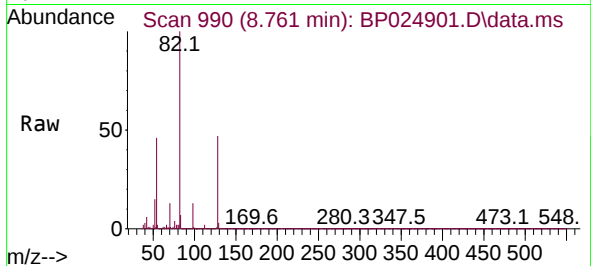
Tgt Ion:136 Resp: 1353167
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 6.1 9.1
68 5.6 4.6 7.0





#23
Nitrobenzene-d5
Concen: 29.132 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

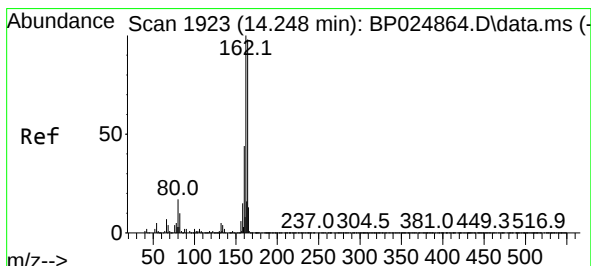
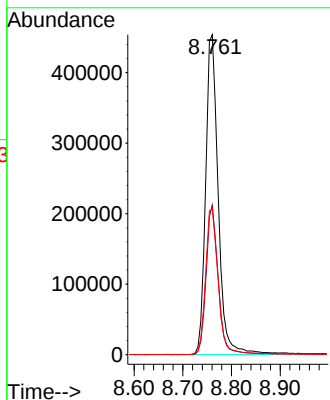
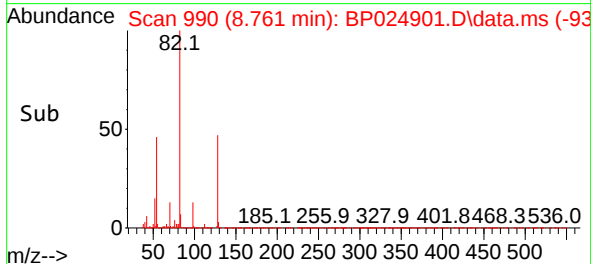
Instrument :
BNA_P
ClientSampleId :
TP-26



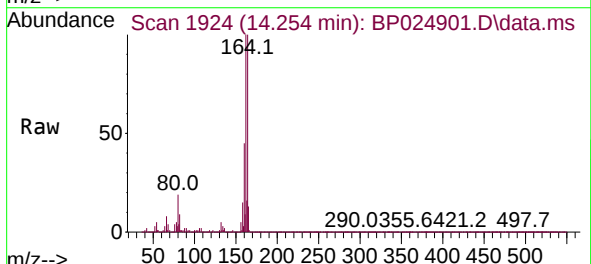
Tgt Ion: 82 Resp: 81124
Ion Ratio Lower Upper
82 100
128 46.7 35.3 52.9
54 45.7 37.4 56.0

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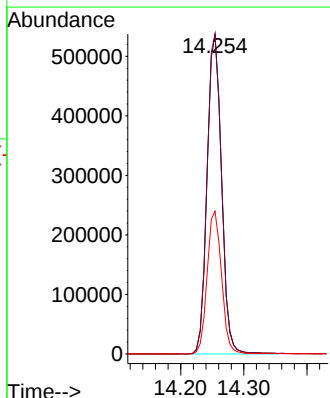
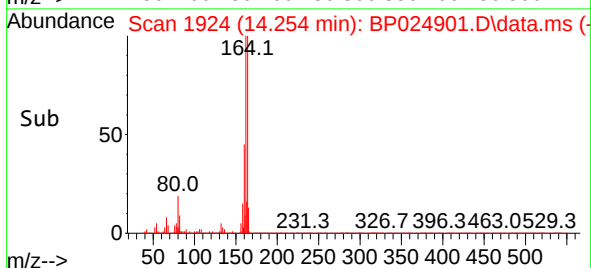
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

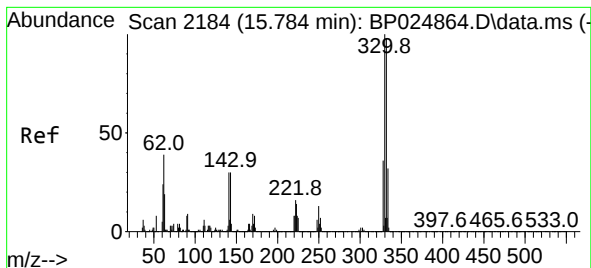


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51



Tgt Ion:164 Resp: 851560
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 44.7 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 48.521 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

Tgt Ion:330 Resp: 57125

Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

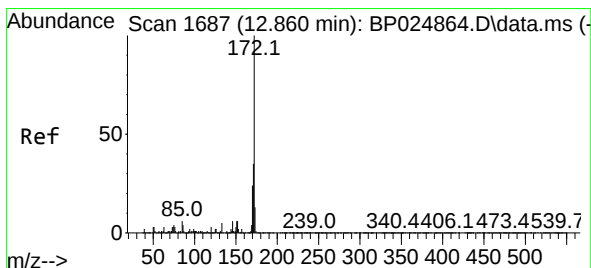
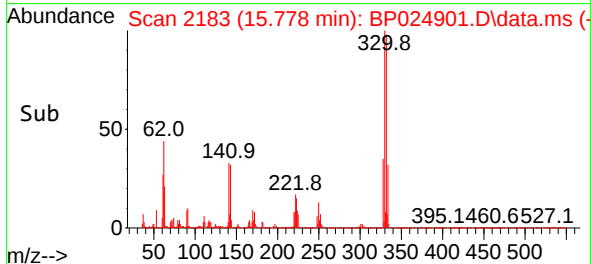
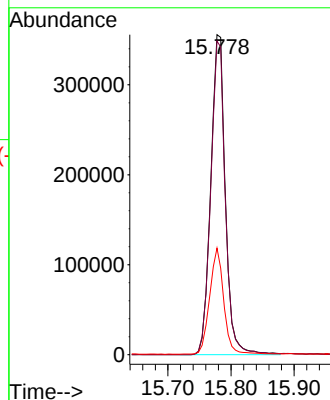
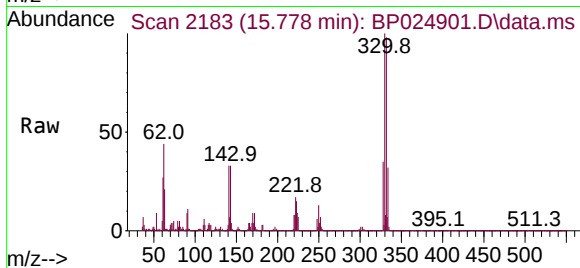
141 31.9 26.4 39.6

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 31.552 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

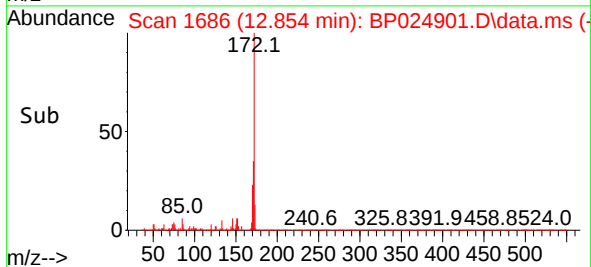
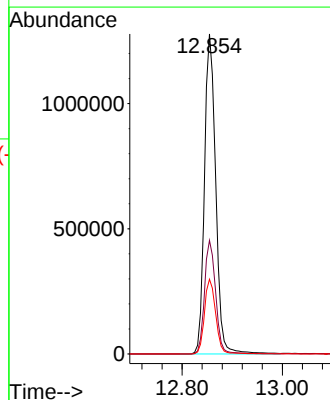
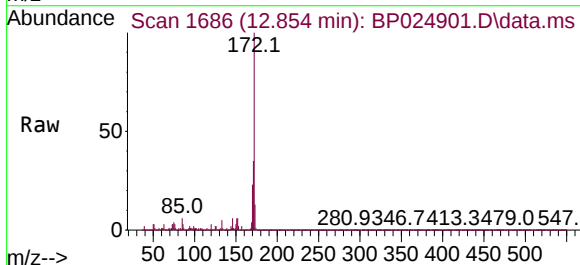
Tgt Ion:172 Resp: 1994483

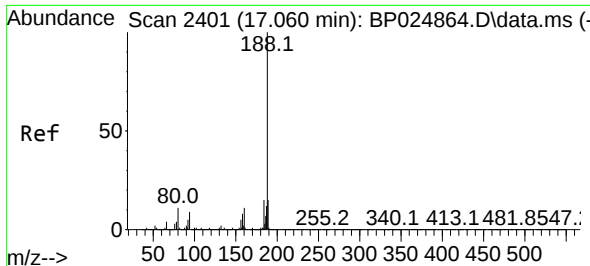
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.4 19.0 28.4





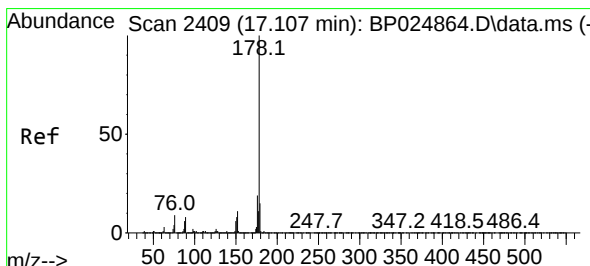
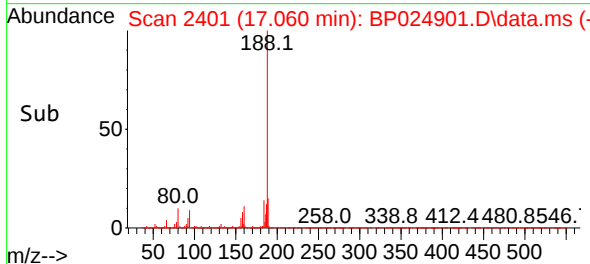
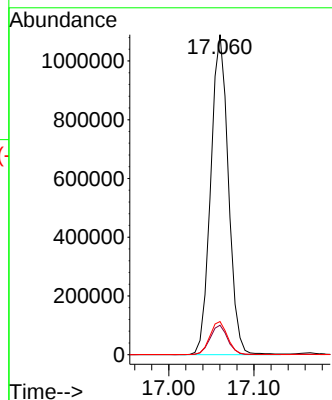
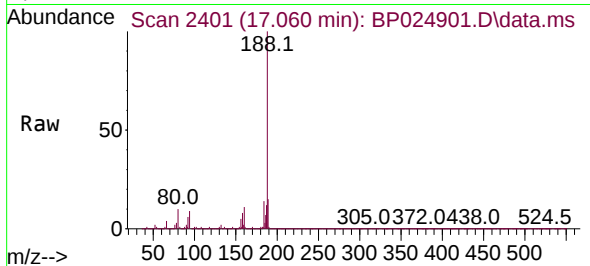
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
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ClientSampleId :
TP-26

Tgt Ion:188 Resp: 156891
Ion Ratio Lower Upper
188 100
94 9.2 7.3 10.9
80 10.4 8.5 12.7

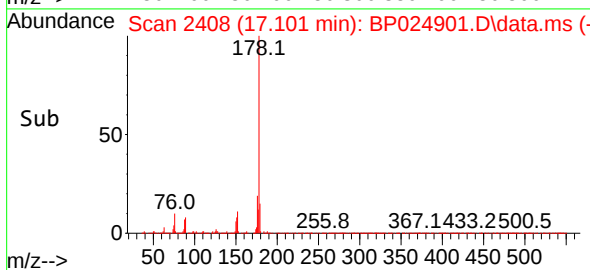
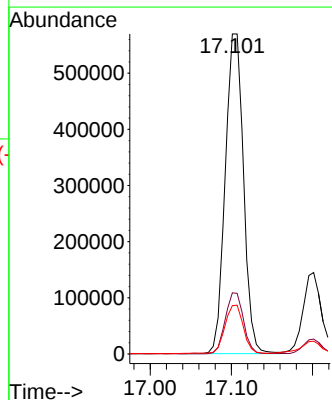
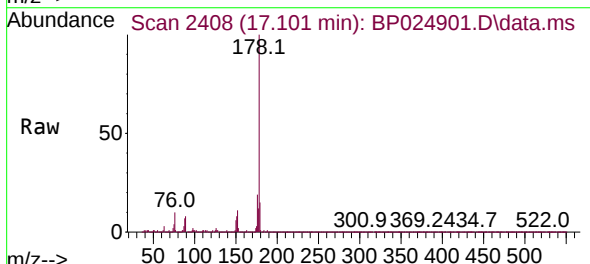
Manual Integrations
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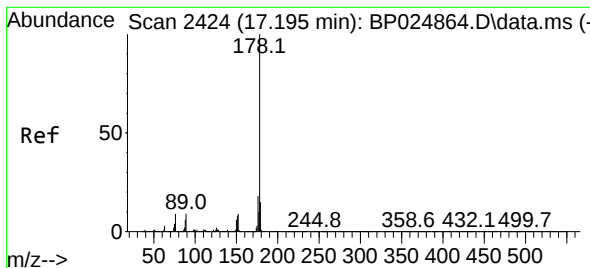
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#71
Phenanthrene
Concen: 10.290 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:178 Resp: 892175
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 12.1 18.1





#72

Anthracene

Concen: 2.530 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

Tgt Ion:178 Resp: 222160

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

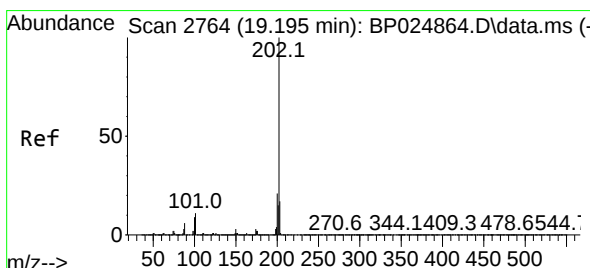
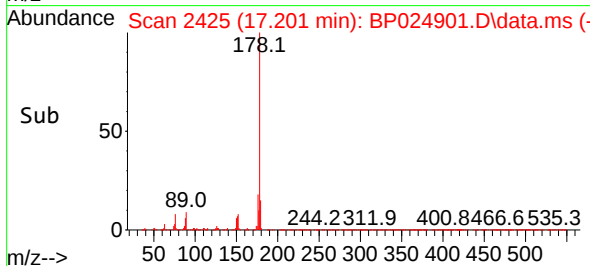
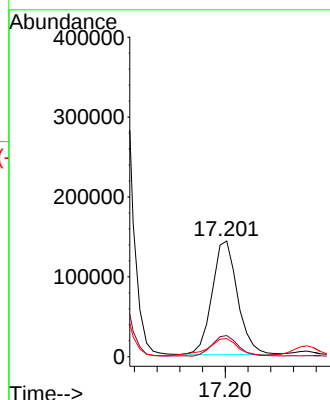
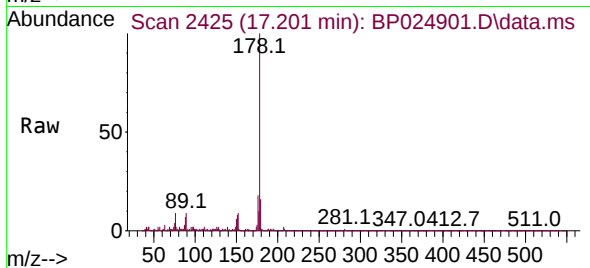
179 15.7 12.3 18.5

Manual Integrations

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#75

Fluoranthene

Concen: 19.696 ng

RT: 19.195 min Scan# 2764

Delta R.T. 0.000 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

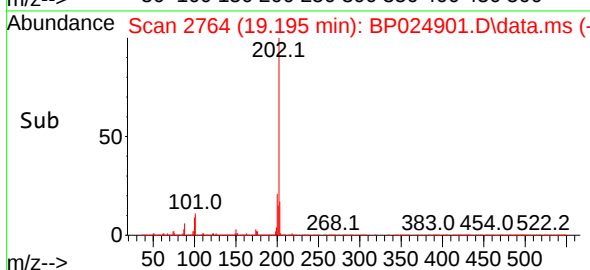
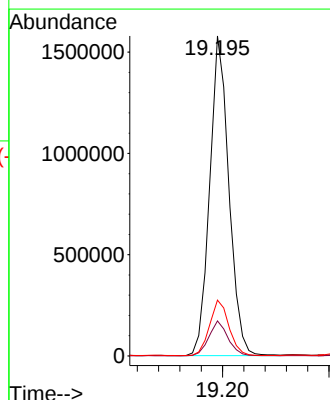
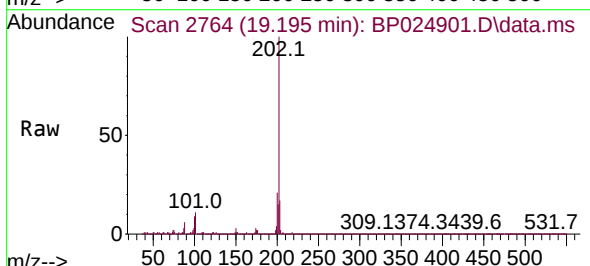
Tgt Ion:202 Resp: 1979200

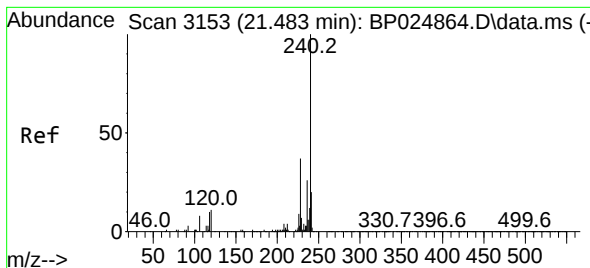
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.501 min Scan# 3156

Delta R.T. 0.018 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

Tgt Ion:240 Resp: 152863

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

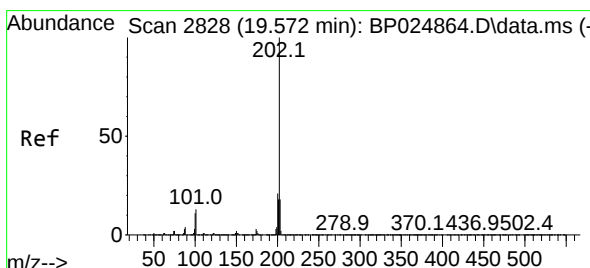
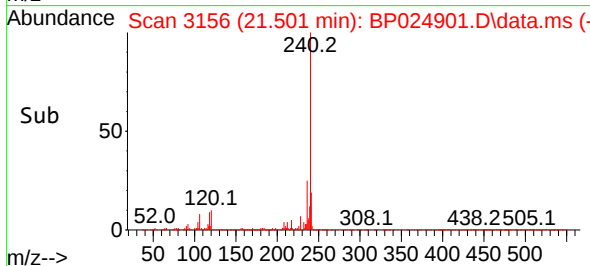
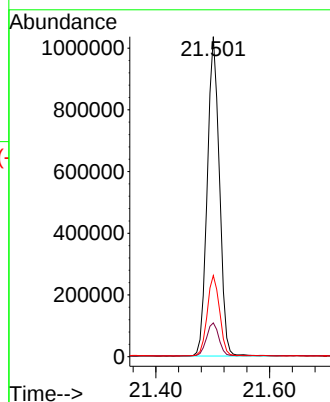
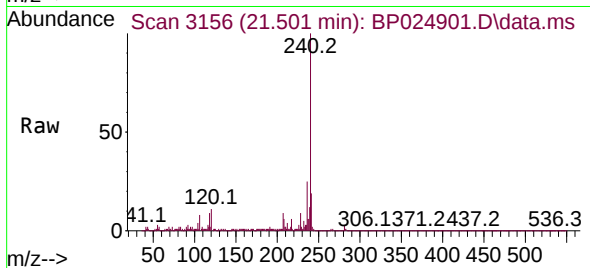
236 25.4 20.9 31.3

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#78

Pyrene

Concen: 17.165 ng

RT: 19.578 min Scan# 2829

Delta R.T. 0.006 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

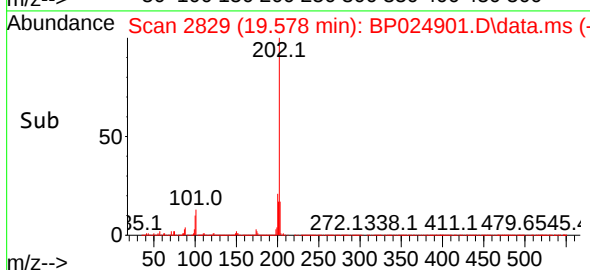
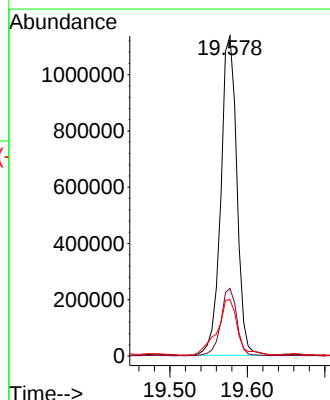
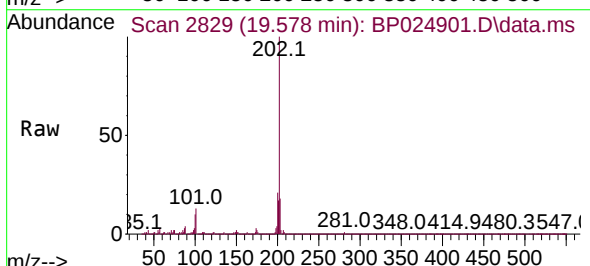
Tgt Ion:202 Resp: 1639303

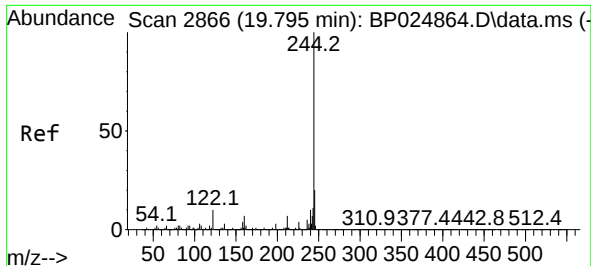
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

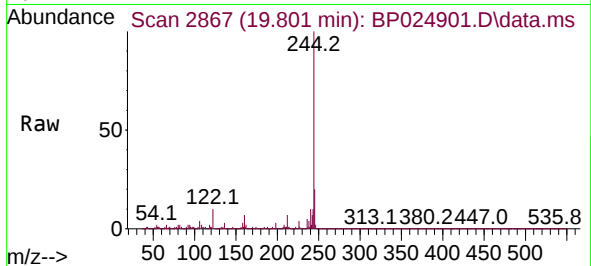
203 17.6 14.0 21.0





#79
 Terphenyl-d14
 Concen: 33.021 ng
 RT: 19.801 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024901.D
 Acq: 10 Jun 2025 19:51

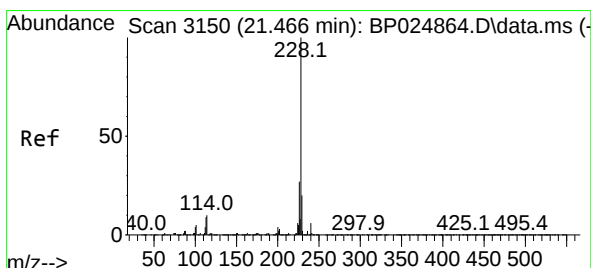
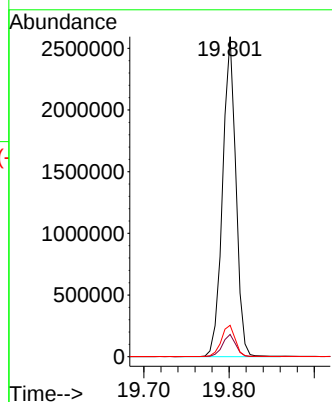
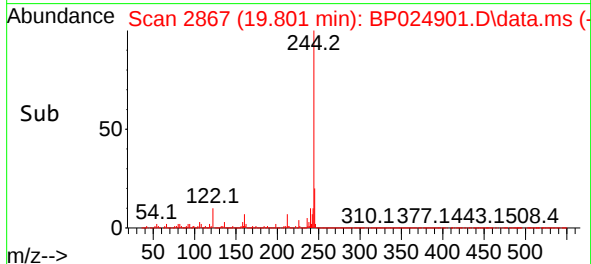
Instrument :
 BNA_P
 ClientSampleId :
 TP-26



Tgt Ion:244 Resp: 281638
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.8 7.7 11.5

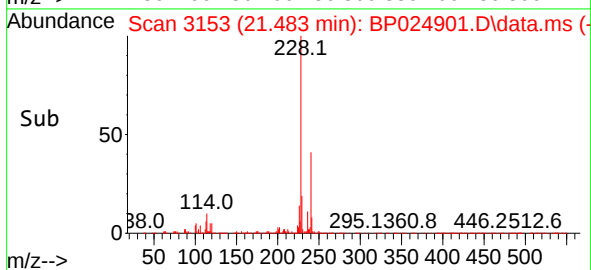
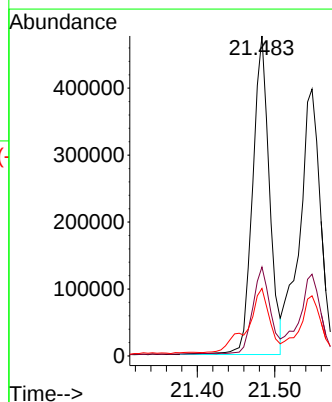
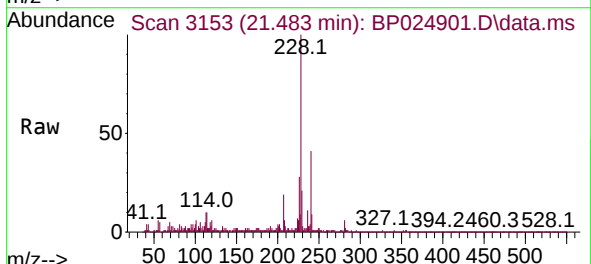
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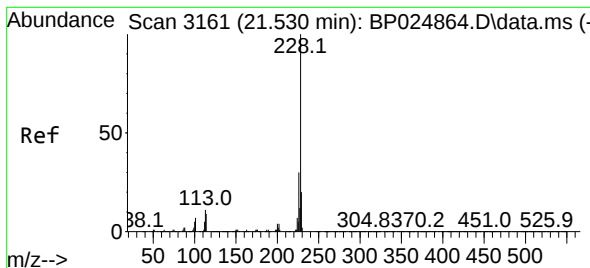
Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025



#81
 Benzo(a)anthracene
 Concen: 7.330 ng
 RT: 21.483 min Scan# 3153
 Delta R.T. 0.018 min
 Lab File: BP024901.D
 Acq: 10 Jun 2025 19:51

Tgt Ion:228 Resp: 716631
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 21.1 15.9 23.9





#83

Chrysene

Concen: 8.038 ng

RT: 21.548 min Scan# 3161

Delta R.T. 0.018 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

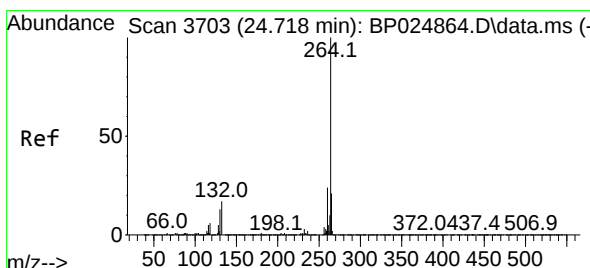
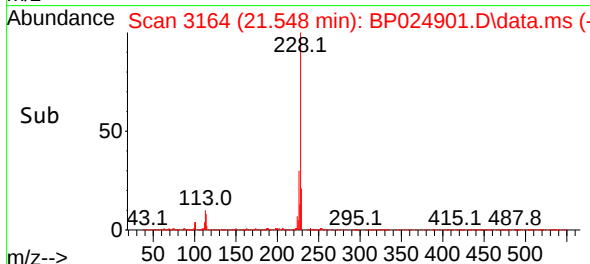
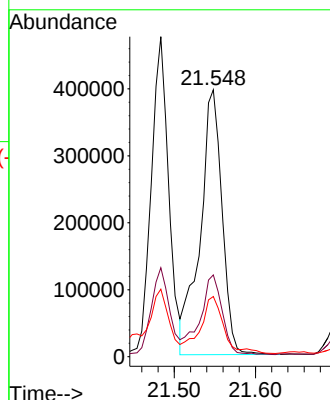
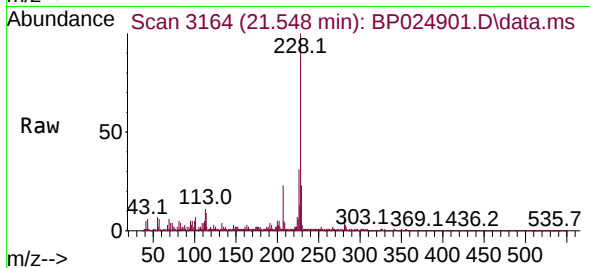
TP-26

Tgt Ion:228 Resp: 744662
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.8 35.6
 229 22.6 15.6 23.4

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Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025



#86

Perylene-d12

Concen: 20.000 ng

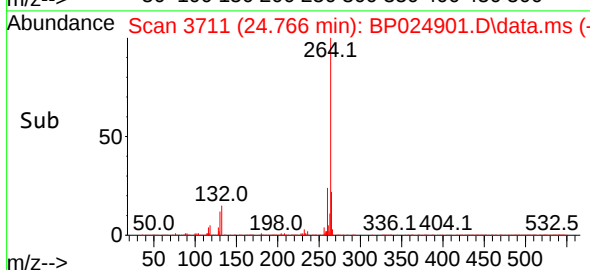
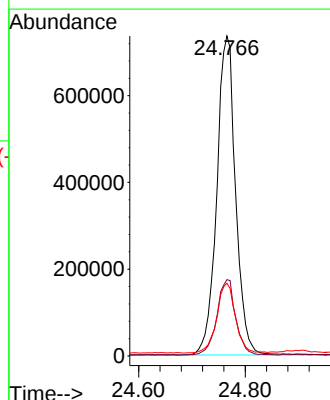
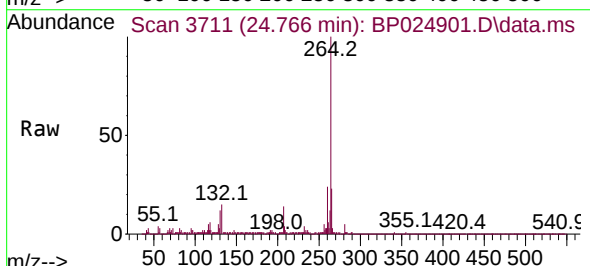
RT: 24.766 min Scan# 3711

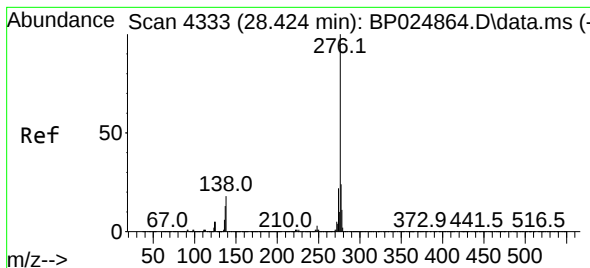
Delta R.T. 0.047 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Tgt Ion:264 Resp: 1800536
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 22.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.361 ng

RT: 28.459 min Scan# 41

Delta R.T. 0.035 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

Instrument :

BNA_P

ClientSampleId :

TP-26

Tgt Ion:276 Resp: 44158

Ion Ratio Lower Upper

276 100

138 18.2 18.6 27.8

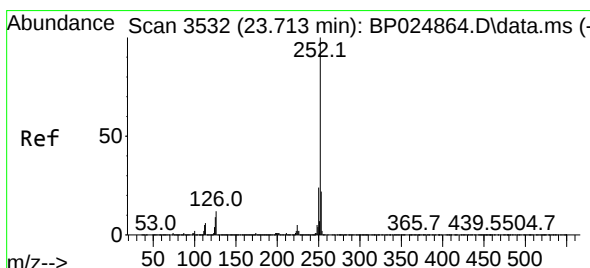
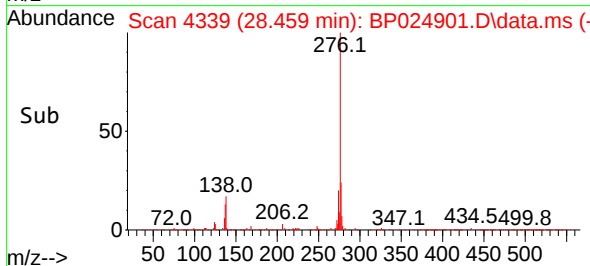
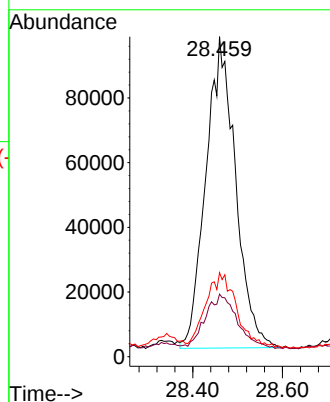
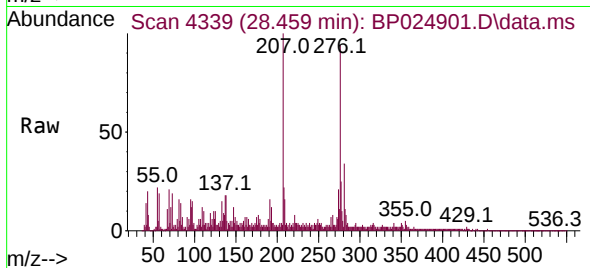
277 25.1 20.2 30.4

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#88

Benzo(b)fluoranthene

Concen: 8.587 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.024 min

Lab File: BP024901.D

Acq: 10 Jun 2025 19:51

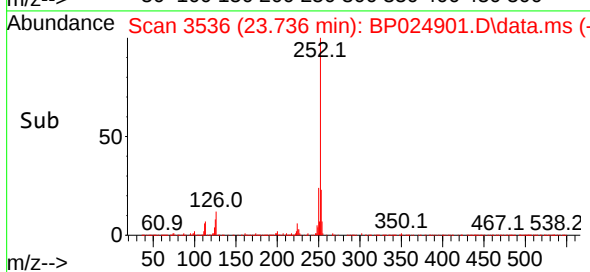
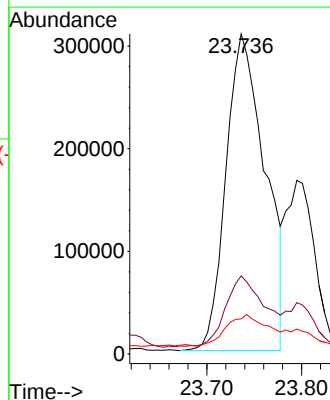
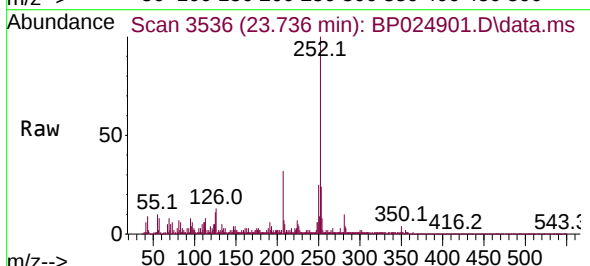
Tgt Ion:252 Resp: 884835

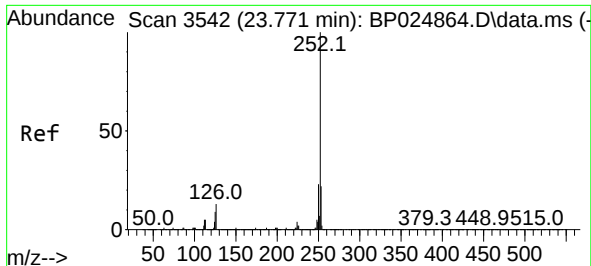
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

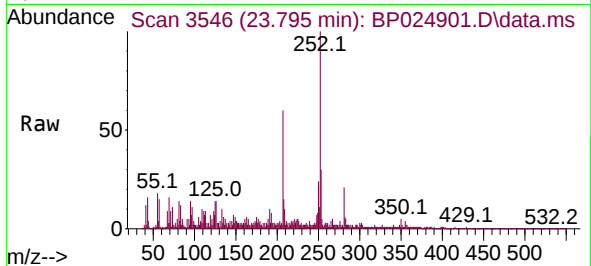
125 10.9 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 3.543 ng m
RT: 23.795 min Scan# 3542
Delta R.T. 0.024 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

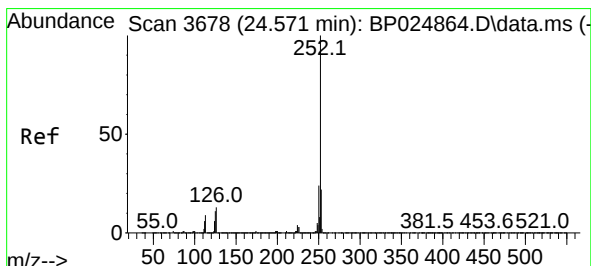
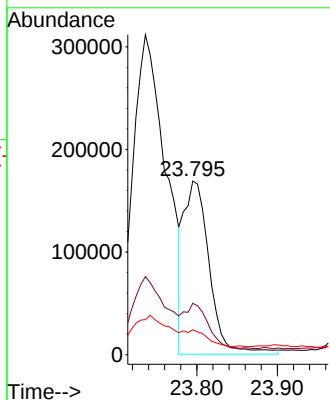
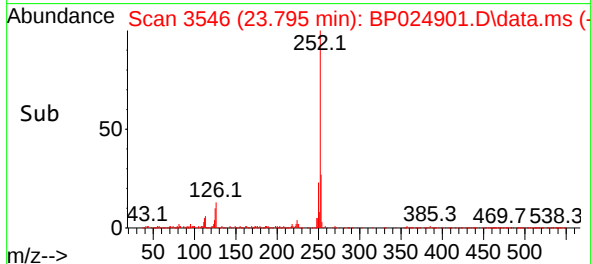
Instrument :
BNA_P
ClientSampleId :
TP-26



Tgt Ion:252 Resp: 371610
Ion Ratio Lower Upper
252 100
253 29.6 17.7 26.5
125 14.4 7.4 11.0

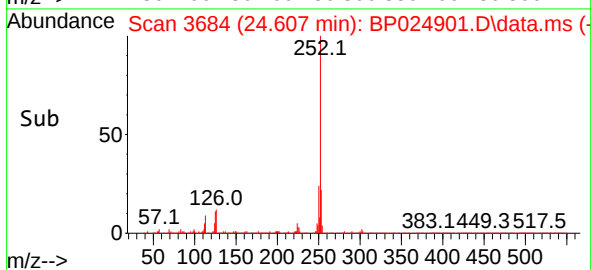
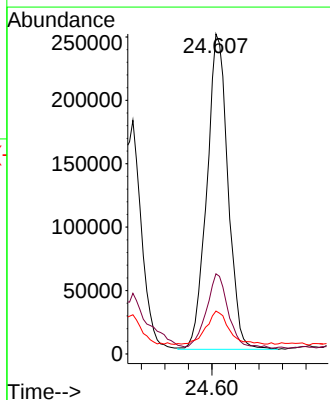
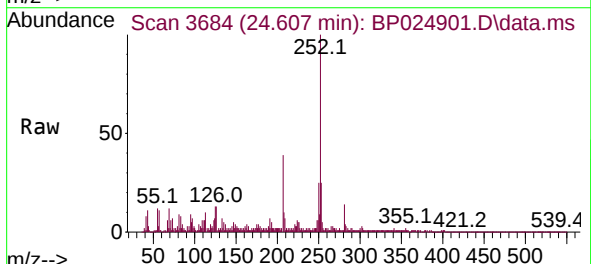
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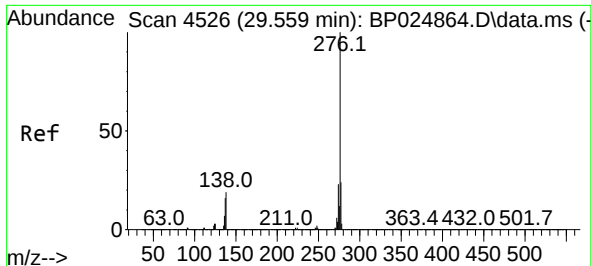
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#90
Benzo(a)pyrene
Concen: 6.169 ng
RT: 24.607 min Scan# 3684
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

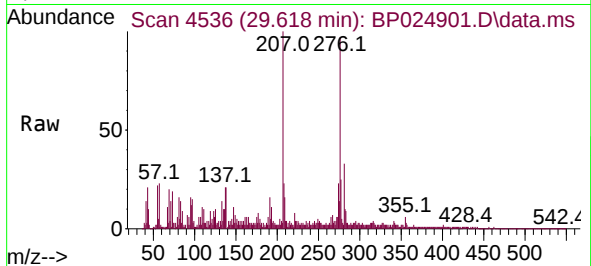
Tgt Ion:252 Resp: 620829
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 13.4 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.071 ng
 RT: 29.618 min Scan# 4536
 Delta R.T. 0.059 min
 Lab File: BP024901.D
 Acq: 10 Jun 2025 19:51

Instrument :
 BNA_P
 ClientSampleId :
 TP-26



Tgt Ion: 276 Resp: 43188
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.1 28.7
 138 21.9 15.4 23.2

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 Supervised By :Jagrut Upadhyay 06/11/2025

