

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024900.D
 Acq On : 10 Jun 2025 19:10
 Operator : RC/JU
 Sample : Q2240-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Quant Time: Jun 11 02:05:07 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 :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	306678	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1281673	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	789697	20.000	ng	0.01
64) Phenanthrene-d10	17.066	188	1543985	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1593884	20.000	ng	0.01
86) Perylene-d12	24.754	264	1905245	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1651022	89.863	ng	0.00
7) Phenol-d6	6.819	99	2267965	93.297	ng	0.00
23) Nitrobenzene-d5	8.761	82	1312454	49.760	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	1029455	94.290	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2438975	41.606	ng	0.00
79) Terphenyl-d14	19.795	244	3388818	38.106	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.978	152	160727	2.185	ng	98
52) Acenaphthene	14.319	154	137523	3.263	ng	99
58) Fluorene	15.325	166	171179	3.132	ng	# 97
71) Phenanthrene	17.113	178	3482877	40.820	ng	99
72) Anthracene	17.213	178	596319	6.901	ng	99
75) Fluoranthene	19.201	202	4250665	42.983	ng	99
78) Pyrene	19.583	202	4937080	49.581	ng	99
81) Benzo(a)anthracene	21.477	228	2548133	24.996	ng	98
83) Chrysene	21.542	228	2628488	27.212	ng	97
87) Indeno(1,2,3-cd)pyrene	28.448	276	1634722	11.760	ng	96
88) Benzo(b)fluoranthene	23.730	252	2836758m	26.016	ng	
89) Benzo(k)fluoranthene	23.789	252	1195692m	10.773	ng	
90) Benzo(a)pyrene	24.601	252	2480068	23.290	ng	98
91) Dibenzo(a,h)anthracene	28.501	278	433057m	3.827	ng	
92) Benzo(g,h,i)perylene	29.601	276	1744264	15.537	ng	99

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

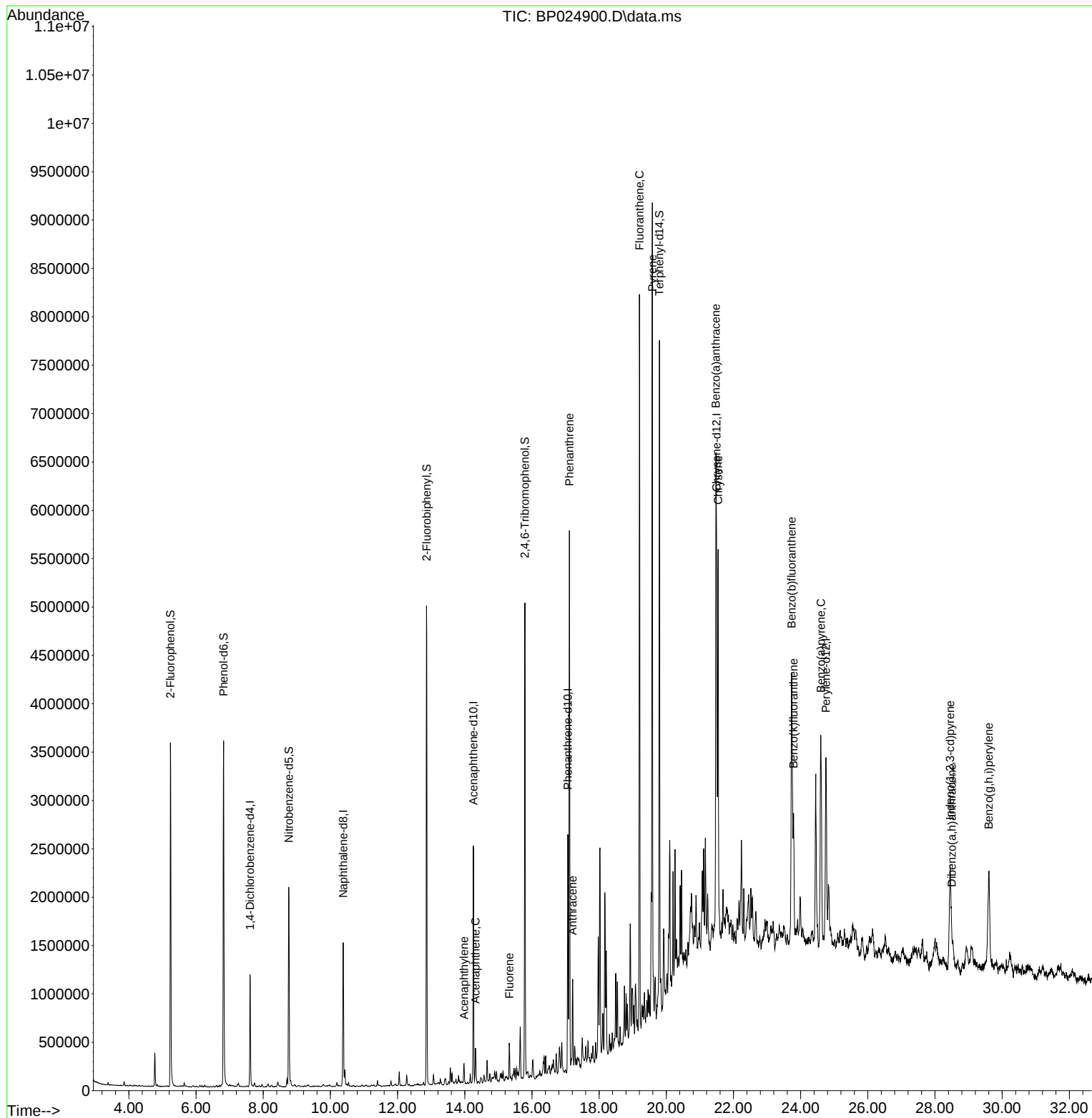
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Data File : BP024900.D
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ALS Vial : 14 Sample Multiplier: 1

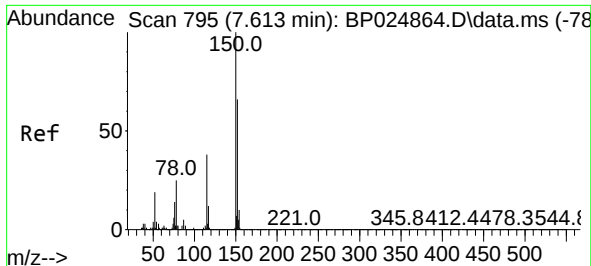
Instrument :
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Quant Time: Jun 11 02:05:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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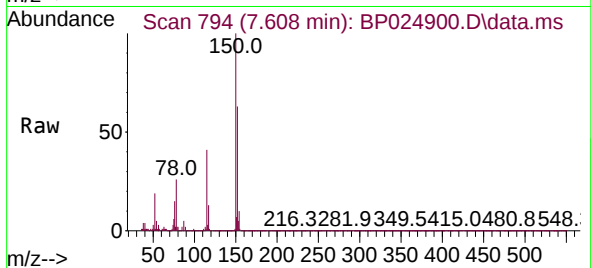
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

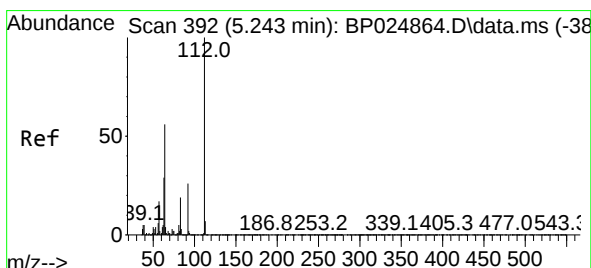
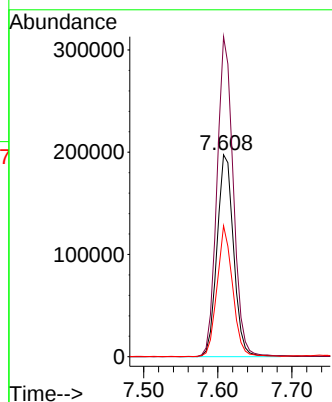
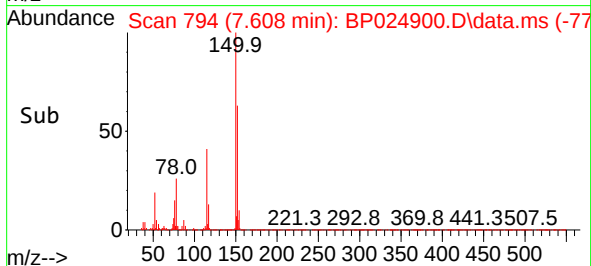
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 306678
Ion Ratio Lower Upper
152 100
150 158.5 122.1 183.1
115 64.8 46.4 69.6

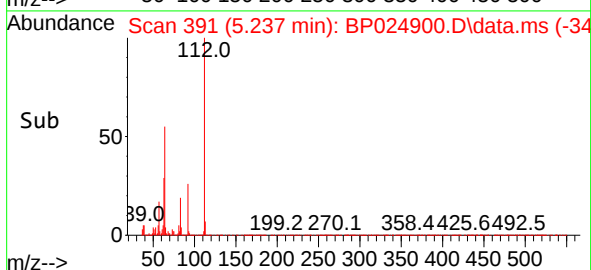
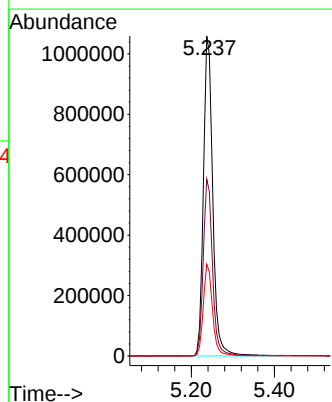
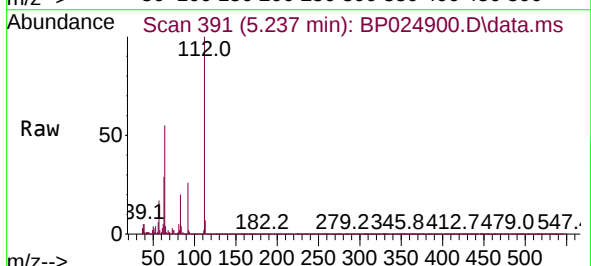
Manual Integrations
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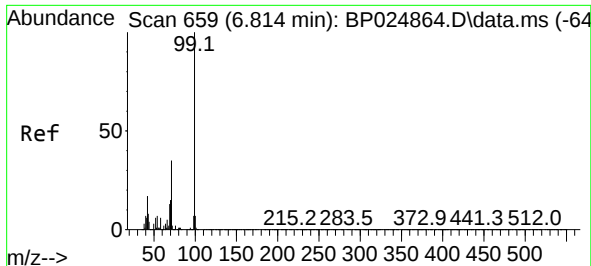
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#5
2-Fluorophenol
Concen: 89.863 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

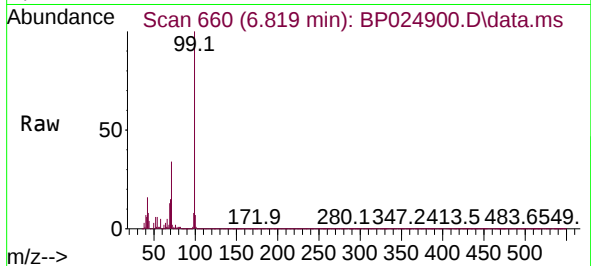
Tgt Ion:112 Resp: 1651022
Ion Ratio Lower Upper
112 100
64 55.2 44.7 67.1
63 28.6 23.5 35.3





#7
Phenol-d6
Concen: 93.297 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

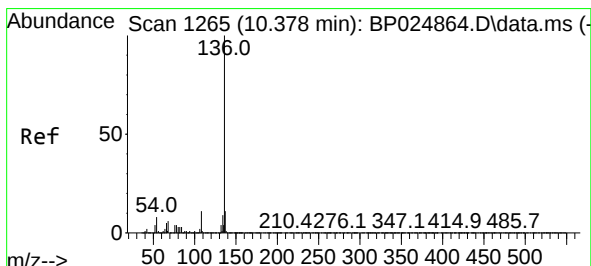
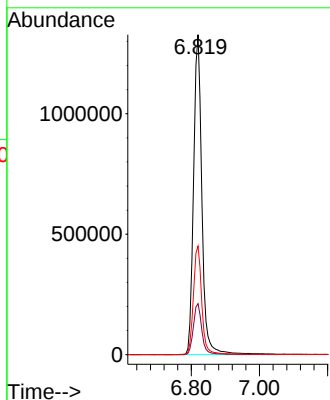
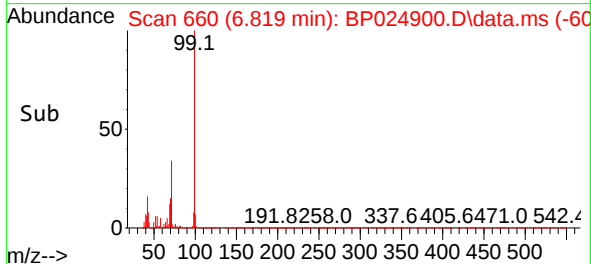
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion: 99 Resp: 226796
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.9 27.6 41.4

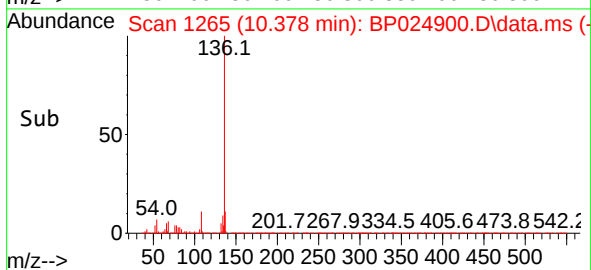
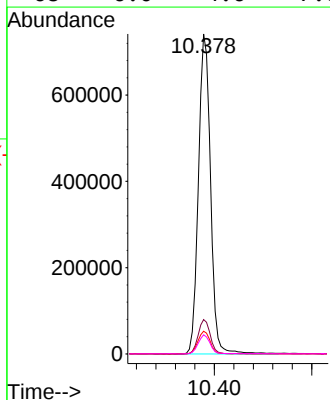
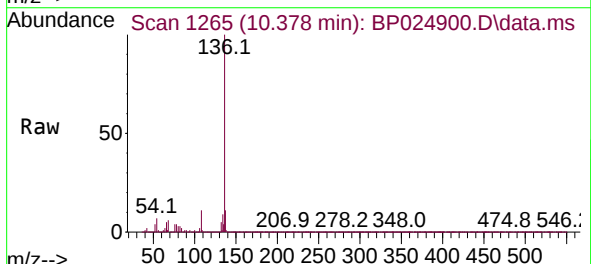
Manual Integrations
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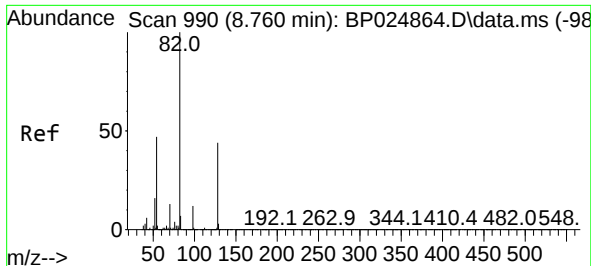
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

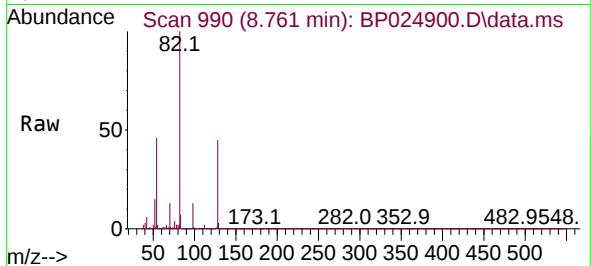
Tgt Ion:136 Resp: 1281673
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.1 6.1 9.1
68 6.0 4.6 7.0





#23
Nitrobenzene-d5
Concen: 49.760 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

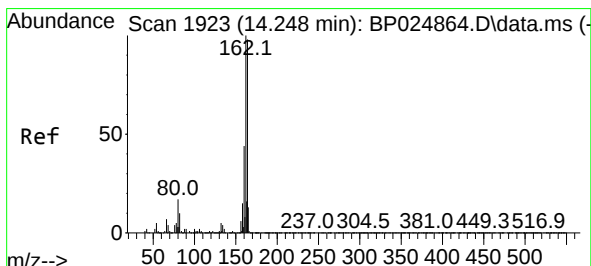
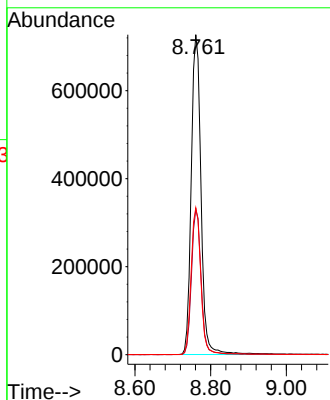
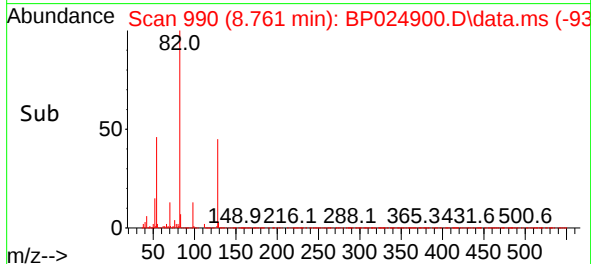
Instrument :
BNA_P
ClientSampleId :
TP-1



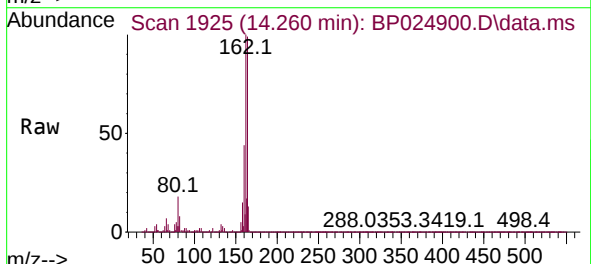
Tgt Ion: 82 Resp: 1312454
Ion Ratio Lower Upper
82 100
128 45.3 35.3 52.9
54 45.9 37.4 56.0

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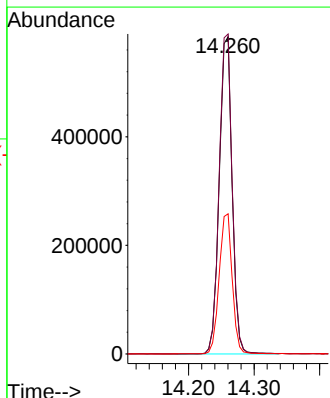
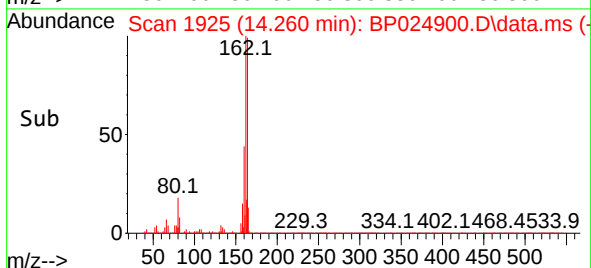
Reviewed By :Anahy Claudio 06/11/2025
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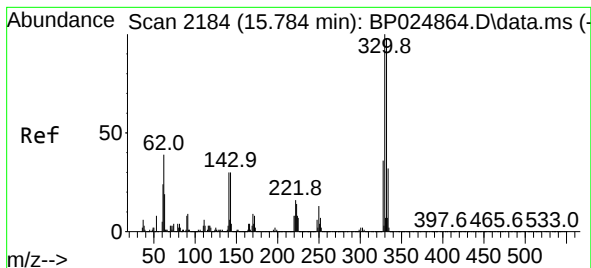


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10



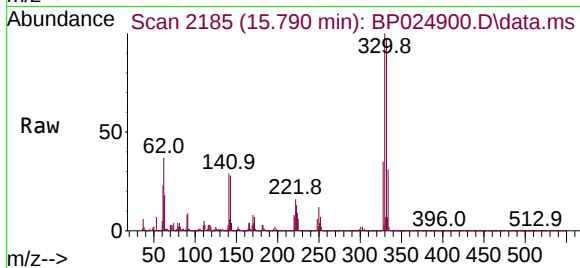
Tgt Ion:164 Resp: 789697
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.2 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 94.290 ng
RT: 15.790 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

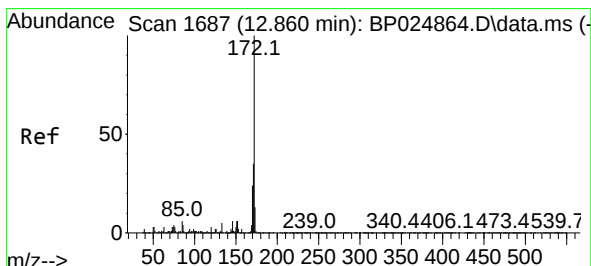
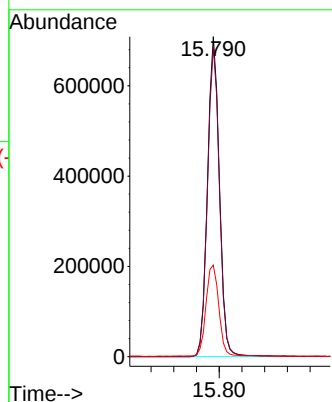
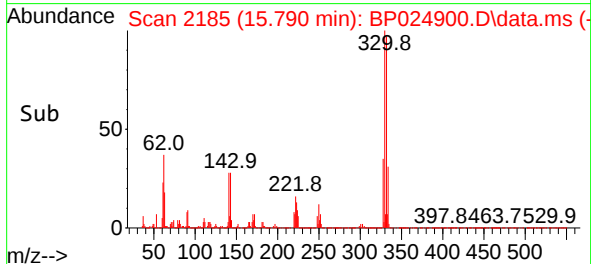
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:330 Resp: 102945
Ion Ratio Lower Upper
330 100
332 97.5 77.7 116.5
141 31.2 26.4 39.6

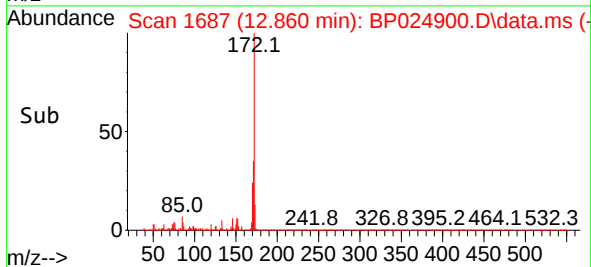
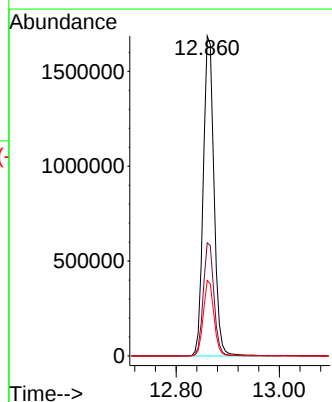
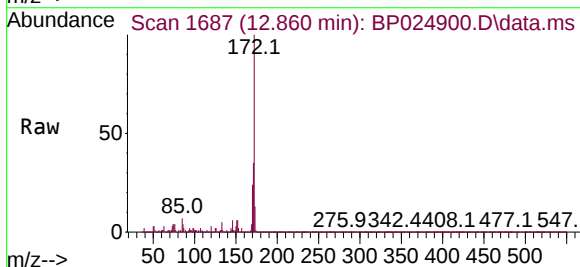
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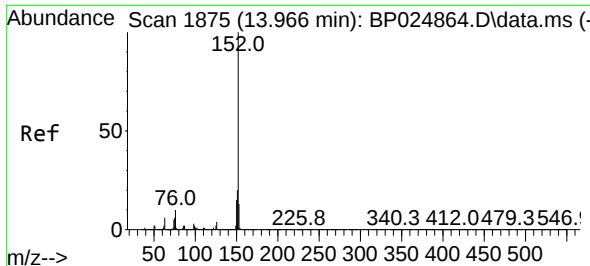
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#45
2-Fluorobiphenyl
Concen: 41.606 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

Tgt Ion:172 Resp: 2438975
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.6 19.0 28.4





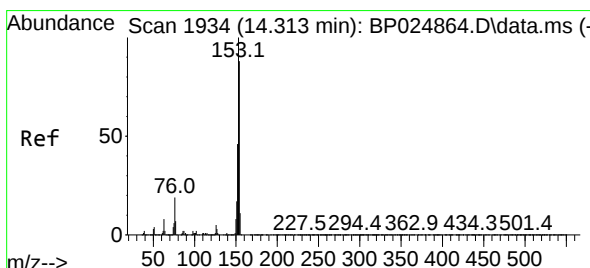
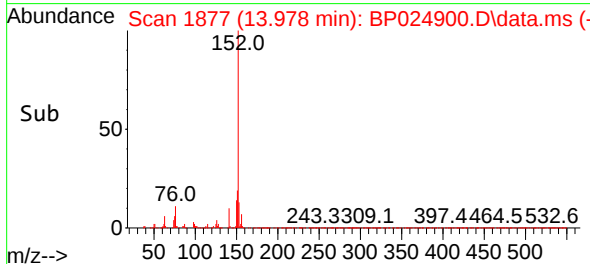
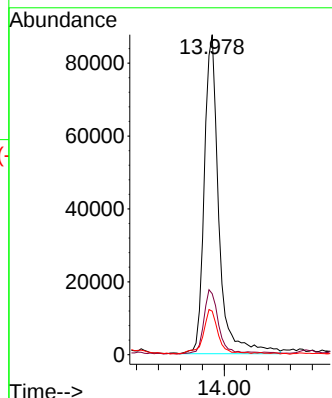
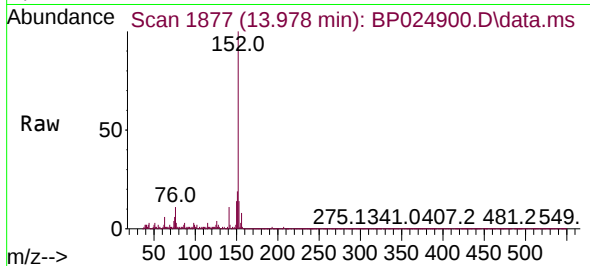
#49
Acenaphthylene
Concen: 2.185 ng
RT: 13.978 min Scan# 1877
Delta R.T. 0.012 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 16072
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 13.6 10.6 15.8

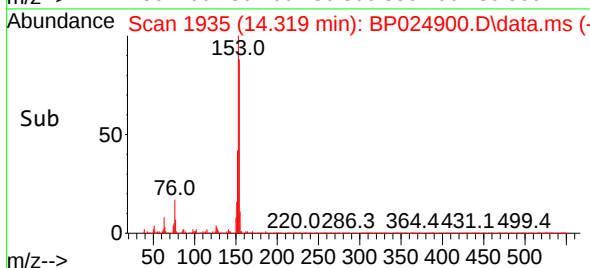
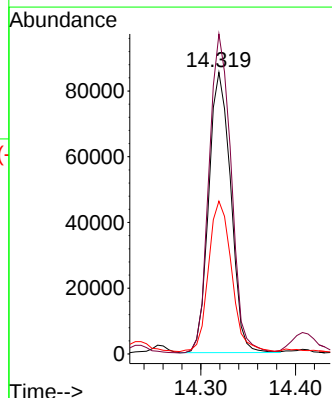
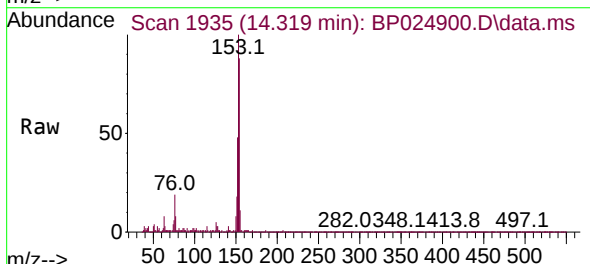
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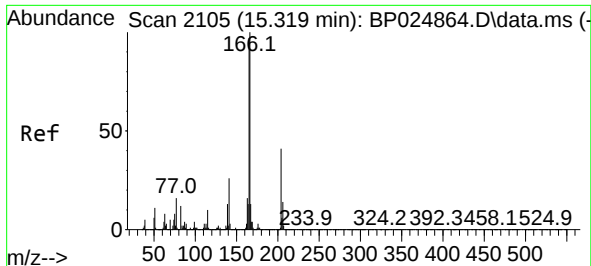
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#52
Acenaphthene
Concen: 3.263 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

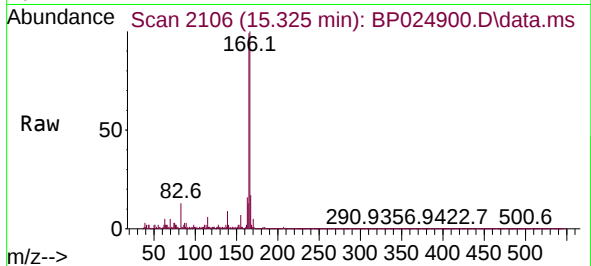
Tgt Ion:154 Resp: 137523
Ion Ratio Lower Upper
154 100
153 113.6 90.5 135.7
152 54.3 42.1 63.1





#58
Fluorene
Concen: 3.132 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

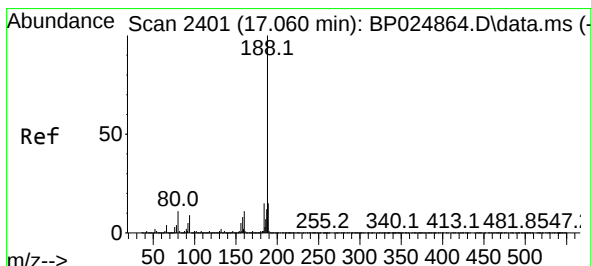
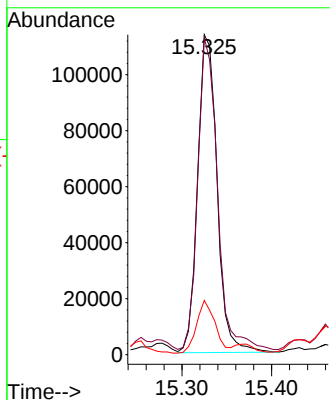
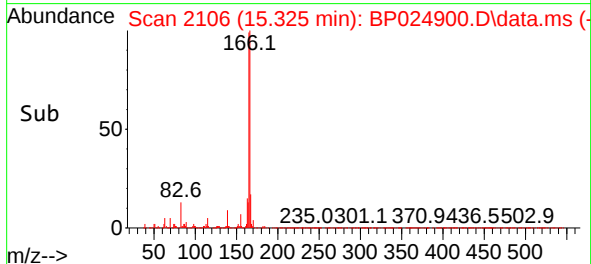
Instrument :
BNA_P
ClientSampleId :
TP-1



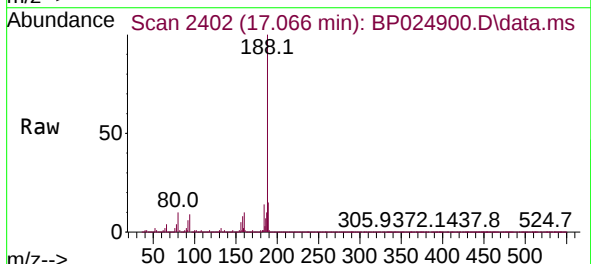
Tgt Ion:166 Resp: 171179
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 16.9 10.6 16.0

Manual Integrations
APPROVED

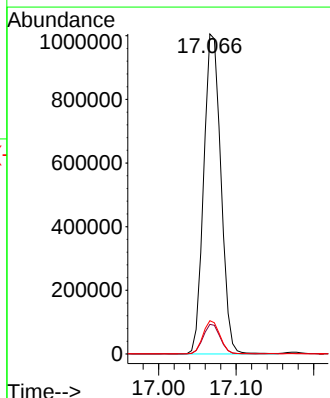
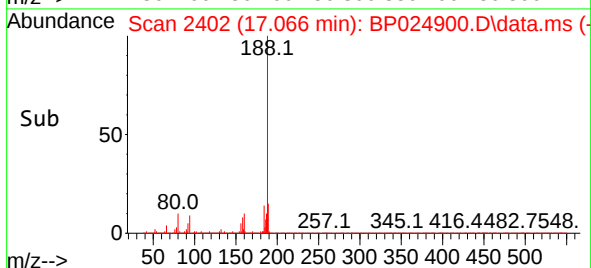
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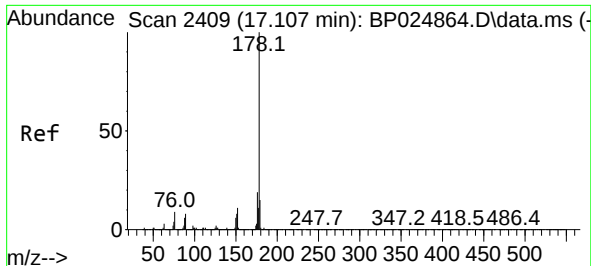


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10



Tgt Ion:188 Resp: 1543985
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.4 8.5 12.7





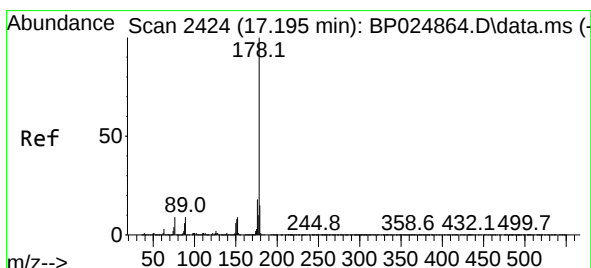
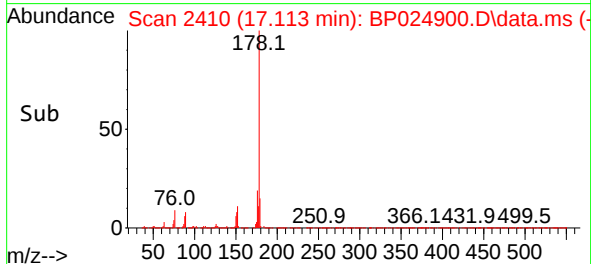
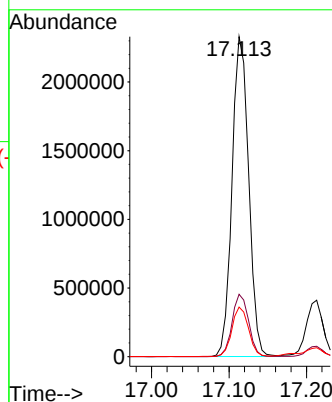
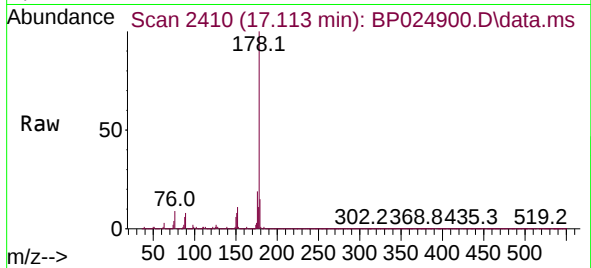
#71
Phenanthrene
Concen: 40.820 ng
RT: 17.113 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:178 Resp: 348287
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.5 12.1 18.1

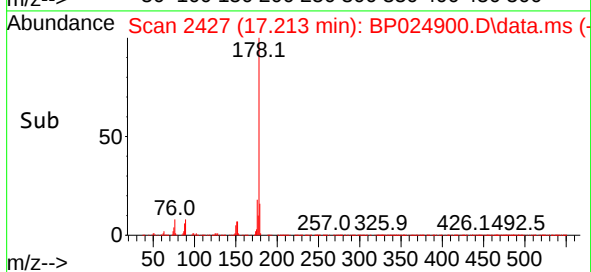
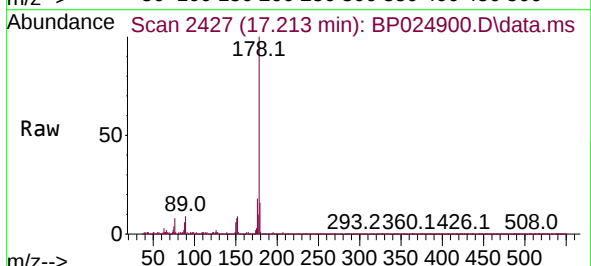
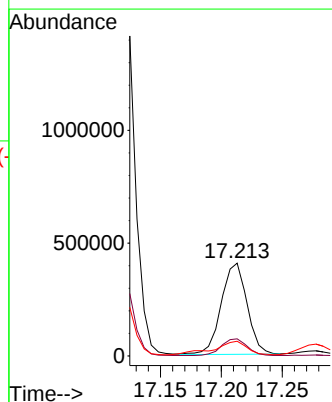
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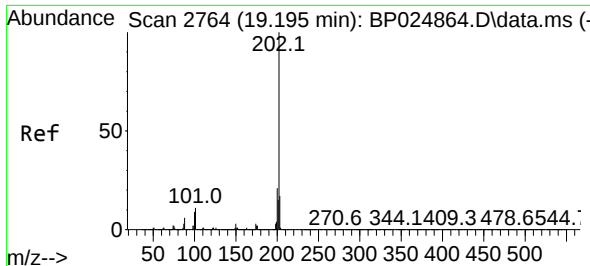
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#72
Anthracene
Concen: 6.901 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.018 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

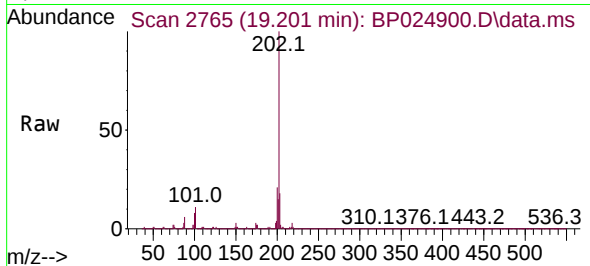
Tgt Ion:178 Resp: 596319
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.8 12.3 18.5





#75
Fluoranthene
Concen: 42.983 ng
RT: 19.201 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

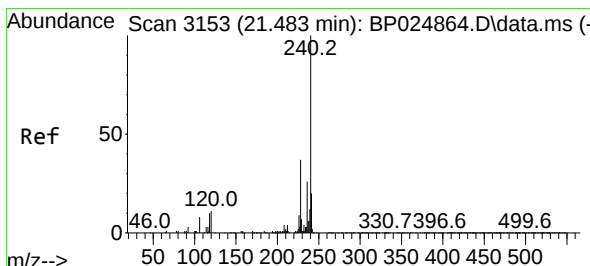
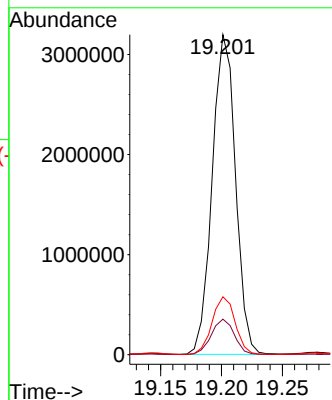
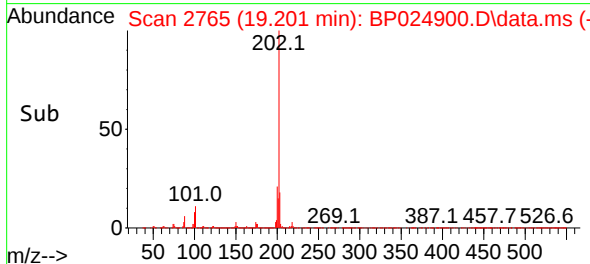
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 425066
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 18.1 0.0 37.5

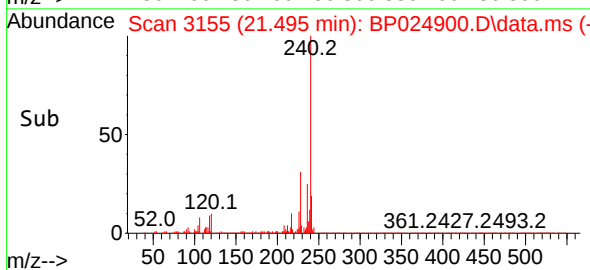
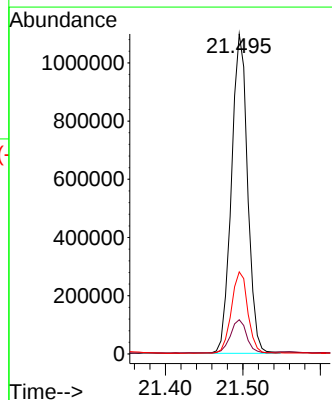
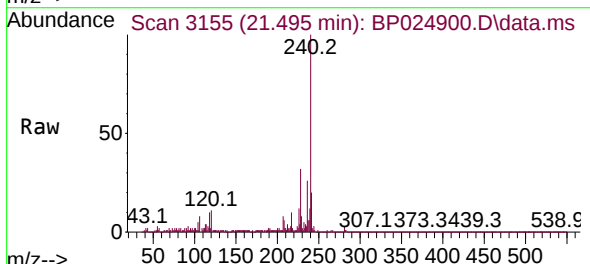
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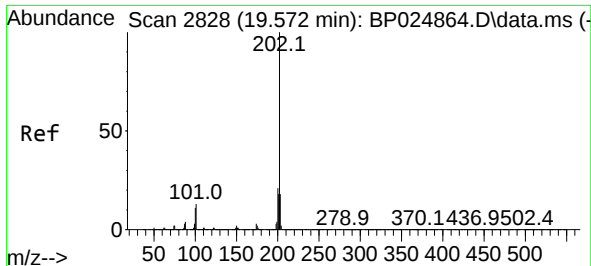
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

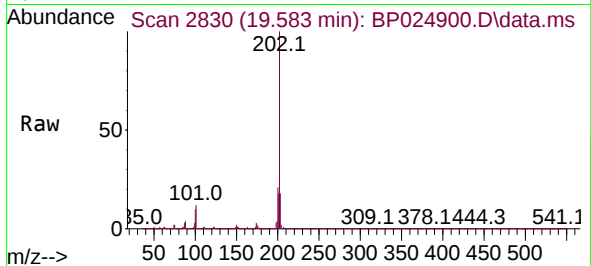
Tgt Ion:240 Resp: 1593884
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.7 20.9 31.3





#78
Pyrene
Concen: 49.581 ng
RT: 19.583 min Scan# 2830
Delta R.T. 0.012 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

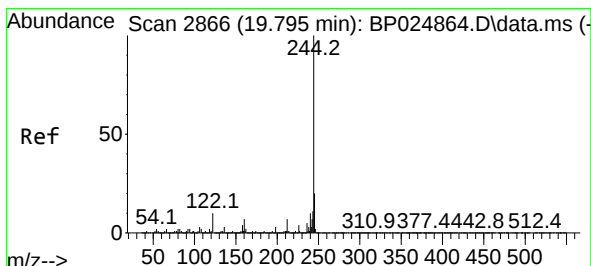
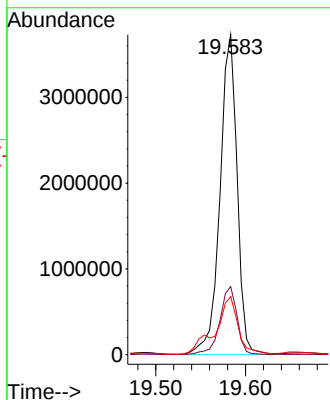
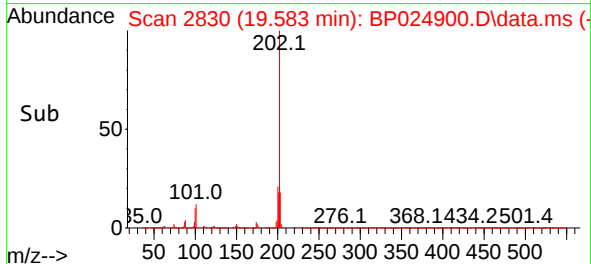
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 4937080
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.1 14.0 21.0

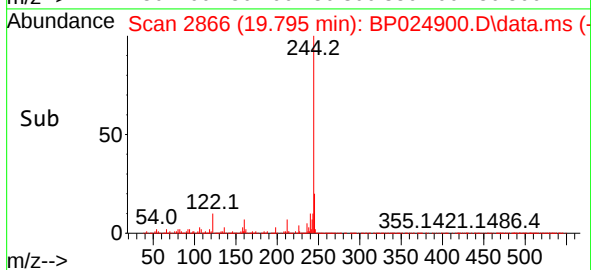
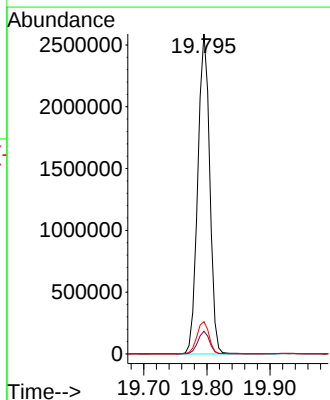
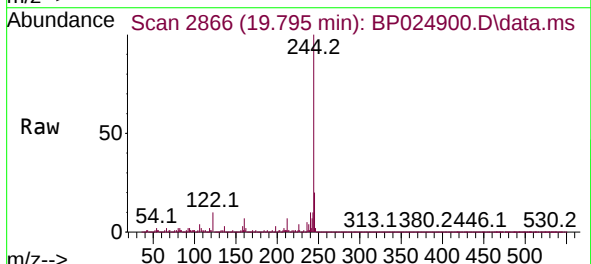
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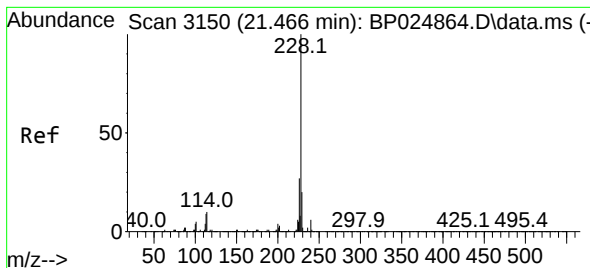
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#79
Terphenyl-d14
Concen: 38.106 ng
RT: 19.795 min Scan# 2866
Delta R.T. 0.000 min
Lab File: BP024900.D
Acq: 10 Jun 2025 19:10

Tgt Ion:244 Resp: 3388818
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.1 7.7 11.5





#81

Benzo(a)anthracene

Concen: 24.996 ng

RT: 21.477 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:228 Resp: 254813

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

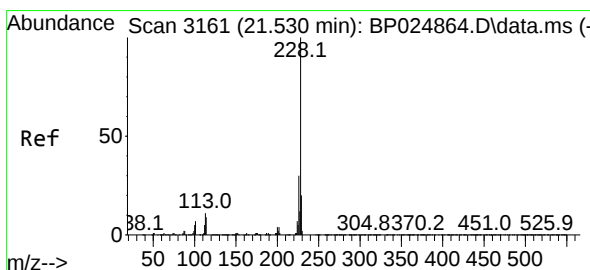
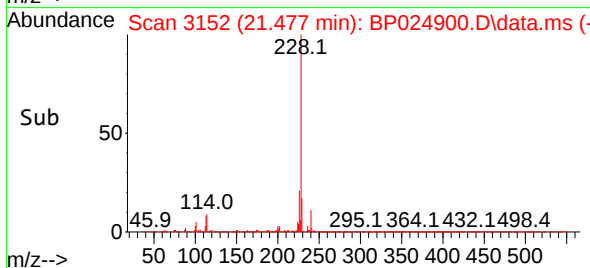
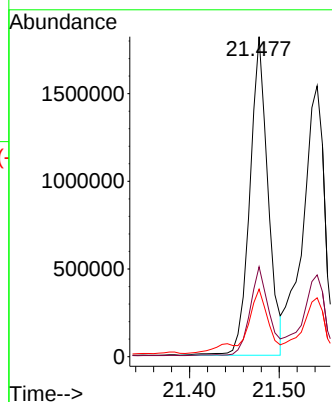
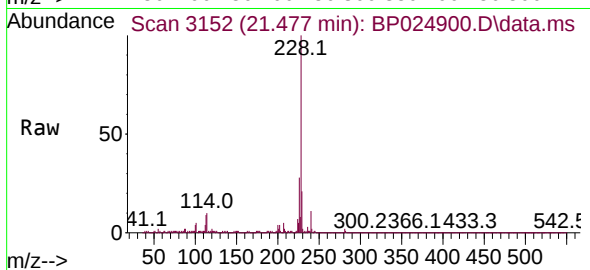
229 21.1 15.9 23.9

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Supervised By :Jagrut Upadhyay 06/11/2025



#83

Chrysene

Concen: 27.212 ng

RT: 21.542 min Scan# 3163

Delta R.T. 0.012 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

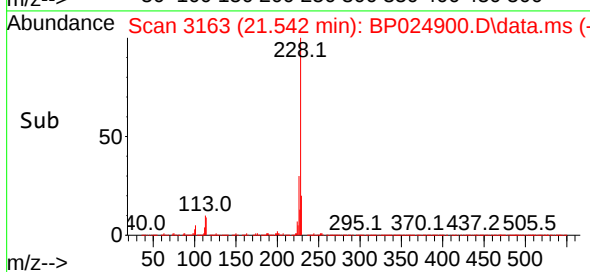
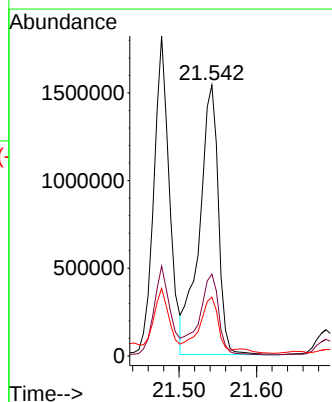
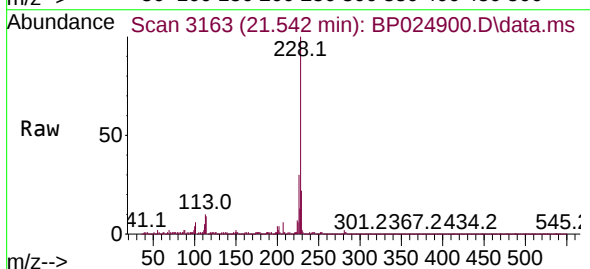
Tgt Ion:228 Resp: 2628488

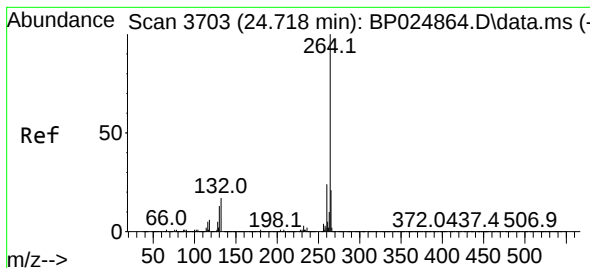
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.754 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:264 Resp: 190524

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

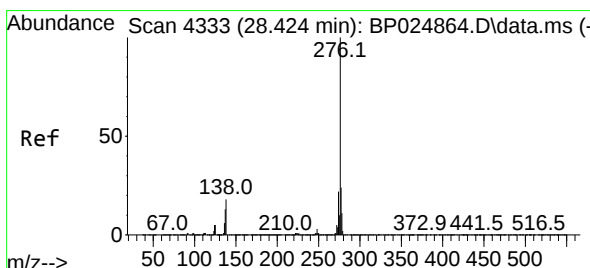
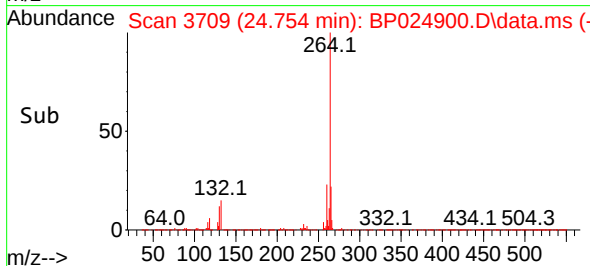
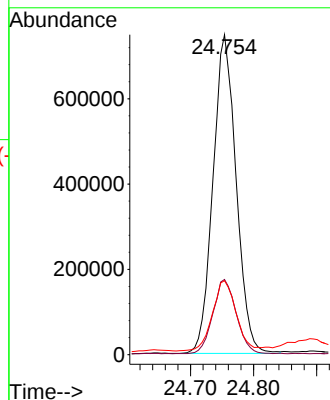
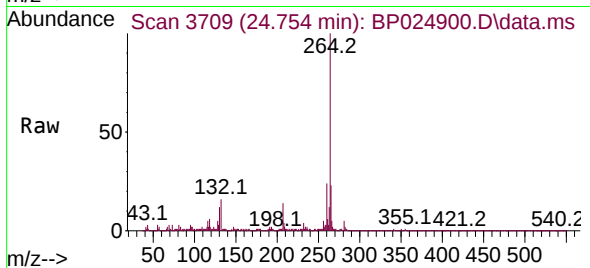
265 23.1 17.4 26.0

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Supervised By :Jagrut Upadhyay 06/11/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.760 ng

RT: 28.448 min Scan# 4337

Delta R.T. 0.024 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

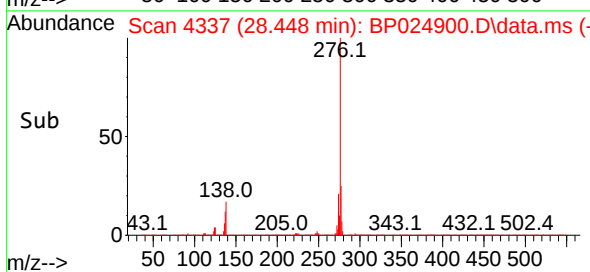
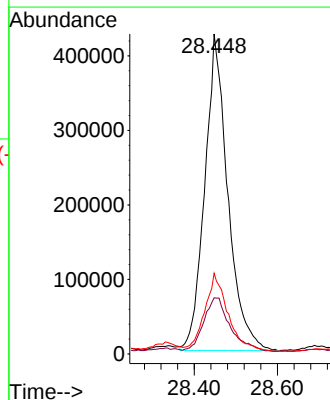
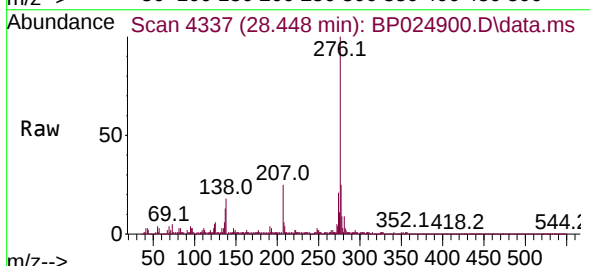
Tgt Ion:276 Resp: 1634722

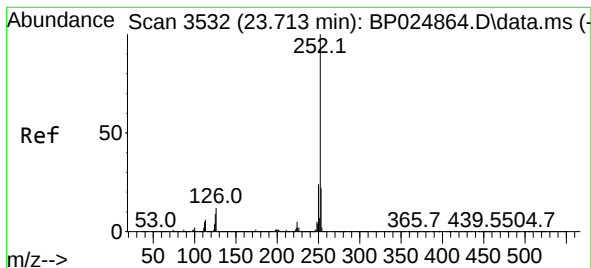
Ion Ratio Lower Upper

276 100

138 19.6 18.6 27.8

277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 26.016 ng m

RT: 23.730 min Scan# 3532

Delta R.T. 0.018 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 283675

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

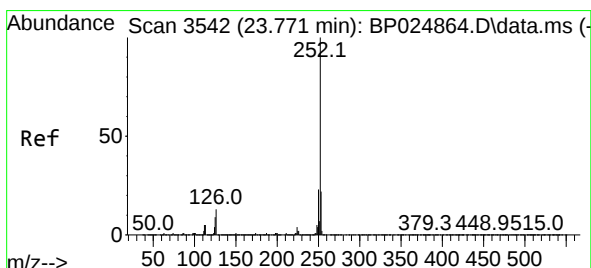
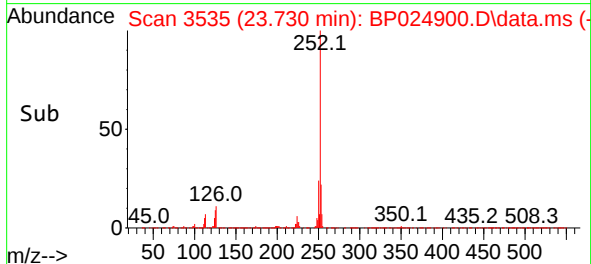
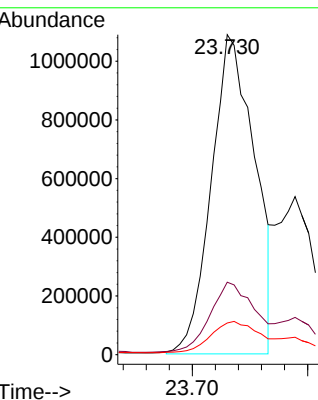
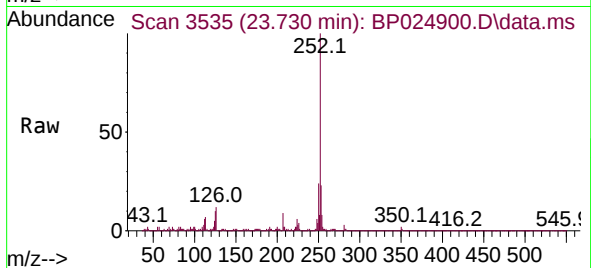
125 9.9 7.1 10.7

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#89

Benzo(k)fluoranthene

Concen: 10.773 ng m

RT: 23.789 min Scan# 3545

Delta R.T. 0.018 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

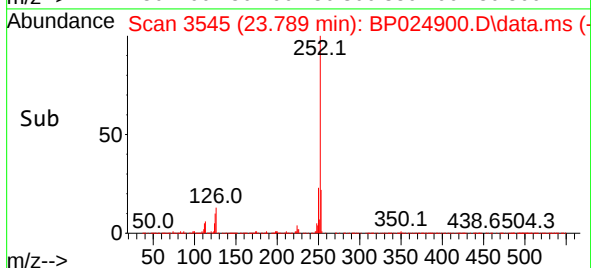
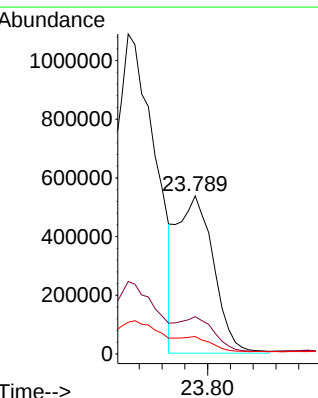
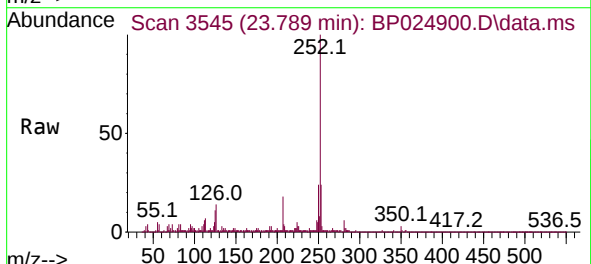
Tgt Ion:252 Resp: 1195692

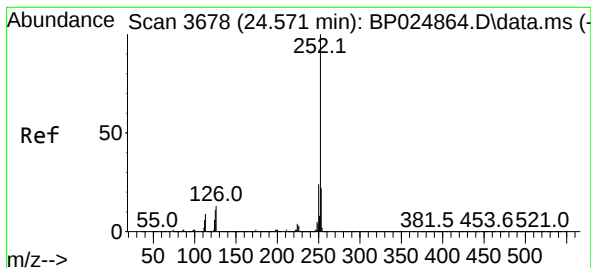
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 11.0 7.4 11.0





#90

Benzo(a)pyrene

Concen: 23.290 ng

RT: 24.601 min Scan# 30

Delta R.T. 0.029 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 248006

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

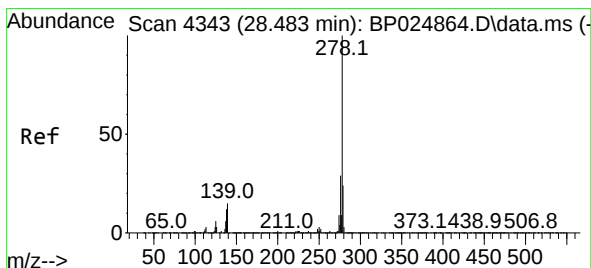
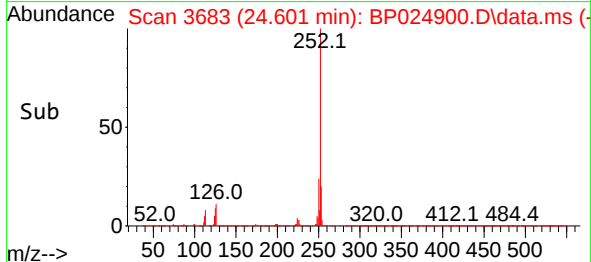
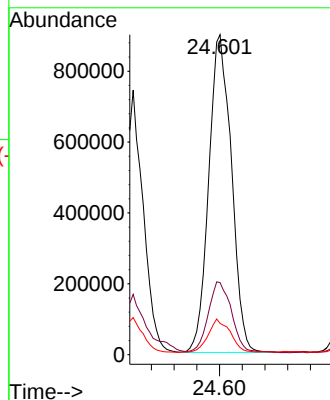
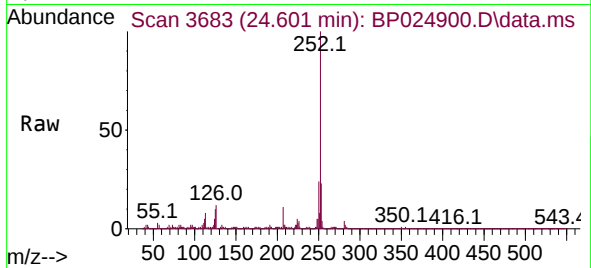
125 9.8 8.8 13.2

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Supervised By :Jagrut Upadhyay 06/11/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.827 ng m

RT: 28.501 min Scan# 4346

Delta R.T. 0.018 min

Lab File: BP024900.D

Acq: 10 Jun 2025 19:10

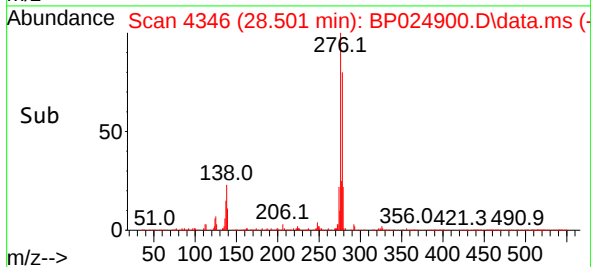
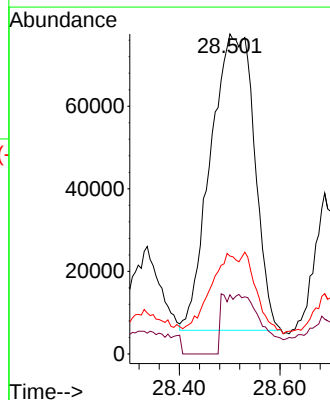
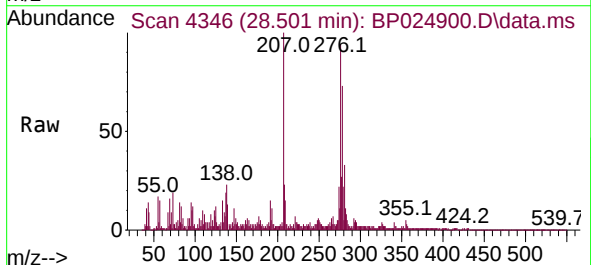
Tgt Ion:278 Resp: 433057

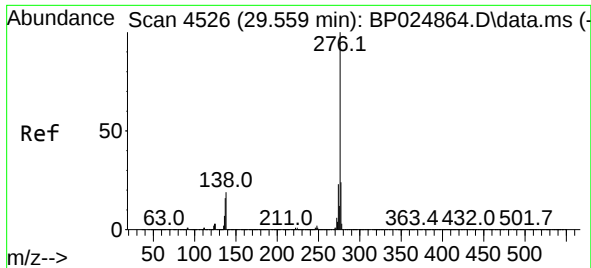
Ion Ratio Lower Upper

278 100

139 18.5 12.0 18.0#

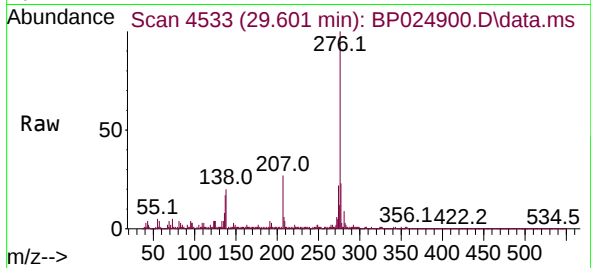
279 30.6 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 15.537 ng
 RT: 29.601 min Scan# 4533
 Delta R.T. 0.041 min
 Lab File: BP024900.D
 Acq: 10 Jun 2025 19:10

Instrument :
 BNA_P
 ClientSampleId :
 TP-1



Tgt Ion: 276 Resp: 1744264
 Ion Ratio Lower Upper
 276 100
 277 23.0 19.1 28.7
 138 19.7 15.4 23.2

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

