

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
 Data File : BP025211.D
 Acq On : 22 Jul 2025 12:32
 Operator : CG/JU
 Sample : Q2639-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-41-071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 22 12:58:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	881585	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	3356745	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	2011979	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	3659937	20.000	ng	0.01
76) Chrysene-d12	21.336	240	3519090	20.000	ng	0.01
86) Perylene-d12	24.454	264	4080535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	4289251	82.207	ng	0.00
7) Phenol-d6	6.637	99	5256369	81.340	ng	0.00
23) Nitrobenzene-d5	8.566	82	3257079	53.923	ng	0.00
42) 2,4,6-Tribromophenol	15.601	330	2459070	82.906	ng	-0.01
45) 2-Fluorobiphenyl	12.678	172	7771013	54.452	ng	0.00
79) Terphenyl-d14	19.660	244	9829821	55.140	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.789	152	540680	2.936	ng	100
71) Phenanthrene	16.948	178	582814	2.952	ng	99
75) Fluoranthene	19.054	202	1781552	7.669	ng	100
78) Pyrene	19.430	202	2183157	10.061	ng	99
81) Benzo(a)anthracene	21.318	228	1477913m	6.650	ng	
83) Chrysene	21.383	228	1644272	7.926	ng	97
87) Indeno(1,2,3-cd)pyrene	27.977	276	1268094	4.253	ng	# 95
88) Benzo(b)fluoranthene	23.483	252	1967135	8.422	ng	98
89) Benzo(k)fluoranthene	23.536	252	726165m	3.149	ng	
90) Benzo(a)pyrene	24.307	252	1768051	7.758	ng	97
92) Benzo(g,h,i)perylene	29.071	276	1271085	5.316	ng	96

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

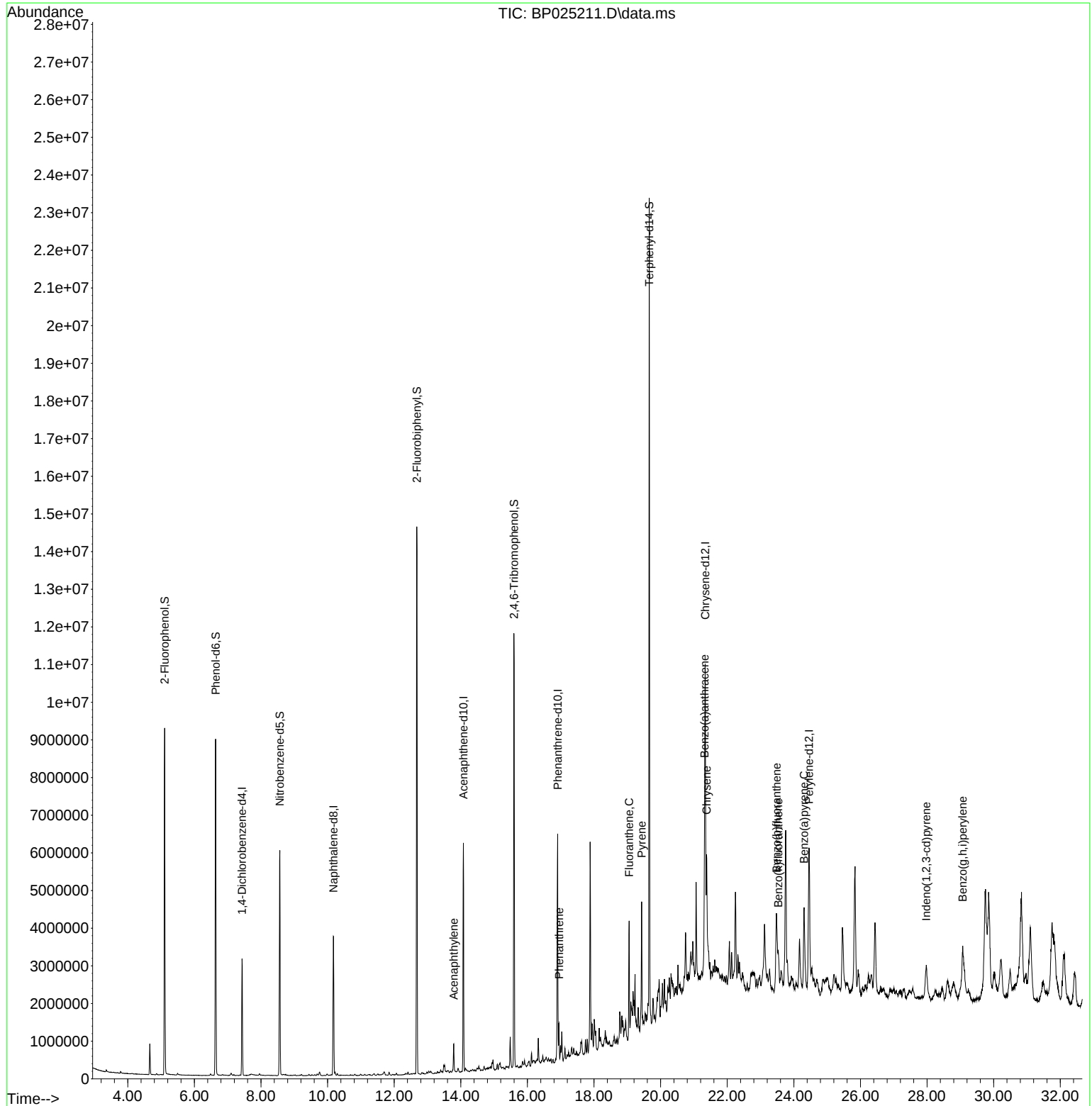
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
Data File : BP025211.D
Acq On : 22 Jul 2025 12:32
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

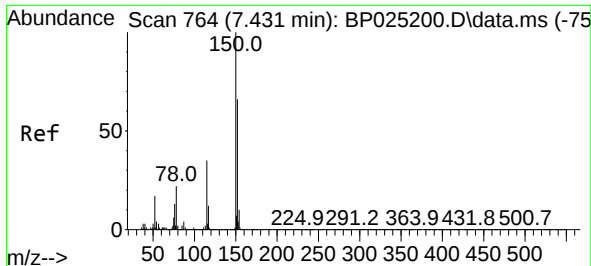
Instrument :
BNA_P
ClientSampleId :
OU4-TS-41-071725

Quant Time: Jul 22 12:58:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
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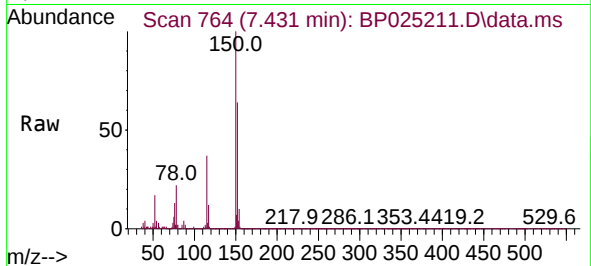
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.431 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

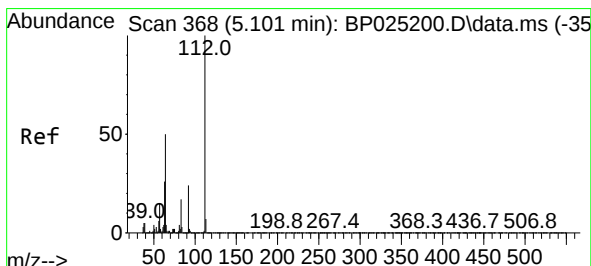
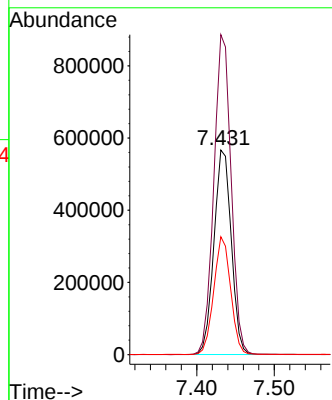
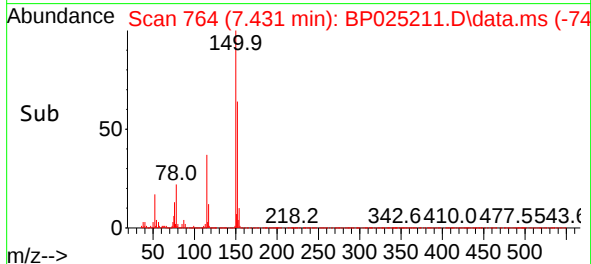
Instrument :
BNA_P
ClientSampleId :
OU4-TS-41-071725



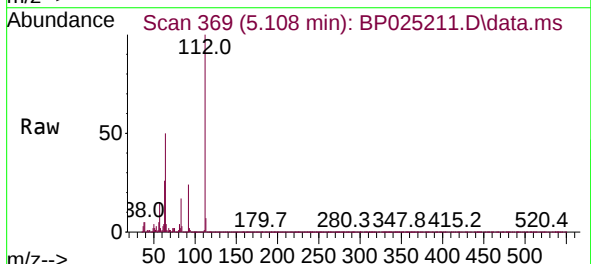
Tgt Ion:152 Resp: 881585
Ion Ratio Lower Upper
152 100
150 156.5 121.9 182.9
115 57.6 43.0 64.6

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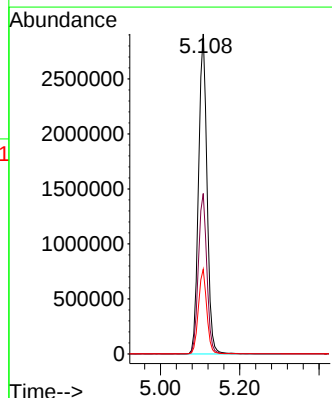
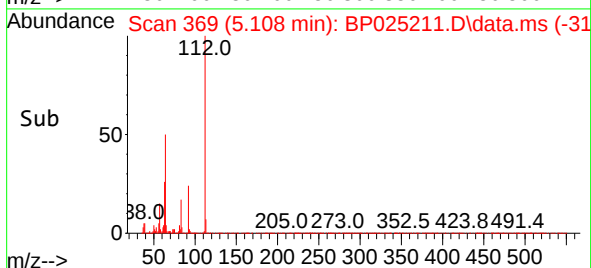
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

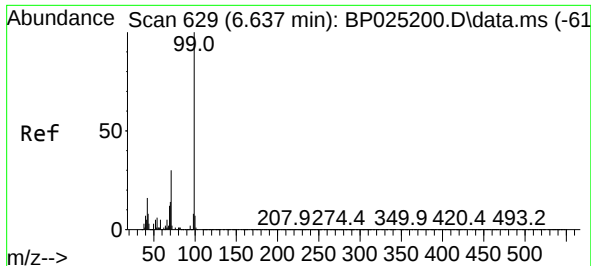


#5
2-Fluorophenol
Concen: 82.207 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32



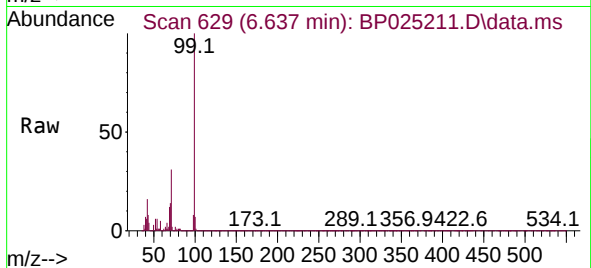
Tgt Ion:112 Resp: 4289251
Ion Ratio Lower Upper
112 100
64 50.1 39.8 59.6
63 26.4 20.5 30.7





#7
Phenol-d6
Concen: 81.340 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

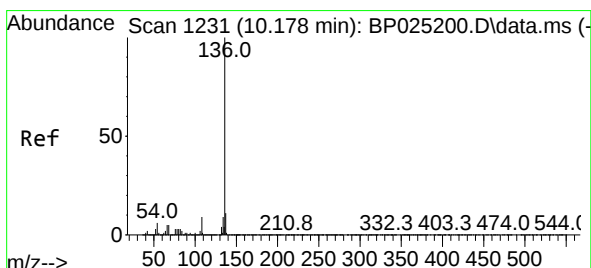
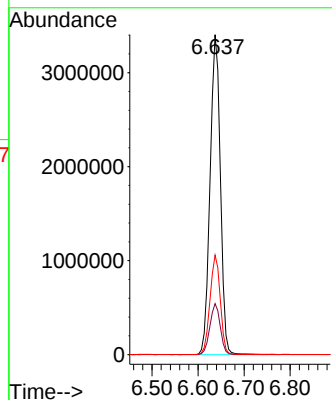
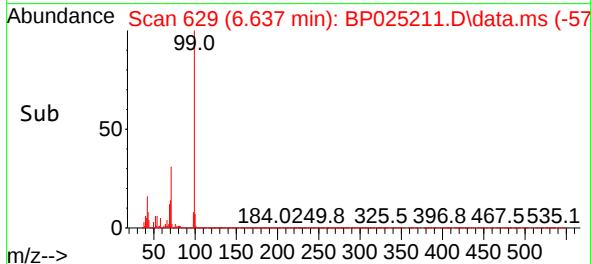
Instrument :
BNA_P
ClientSampleId :
OU4-TS-41-071725



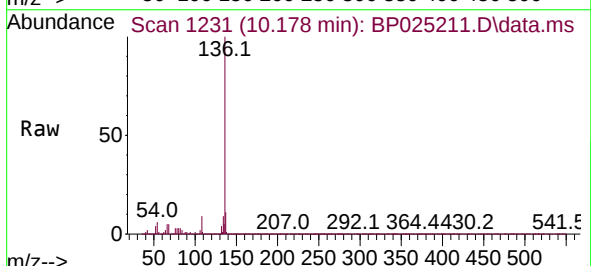
Tgt Ion: 99 Resp: 5256369
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 31.1 24.2 36.2

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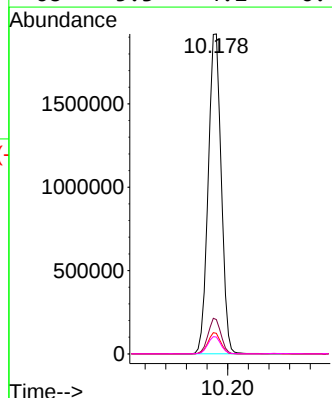
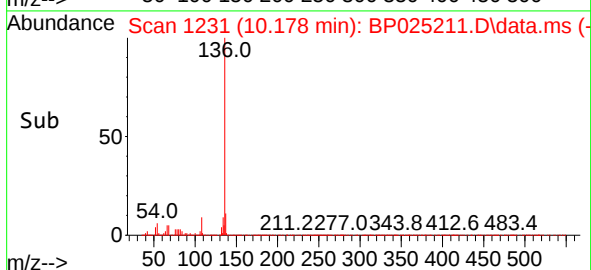
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

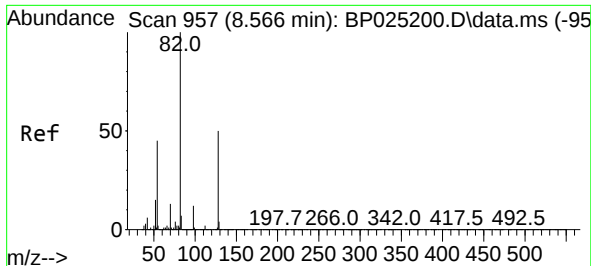


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32



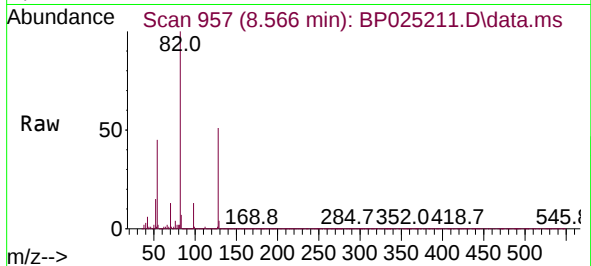
Tgt Ion:136 Resp: 3356745
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.4 5.1 7.7
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 53.923 ng
RT: 8.566 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

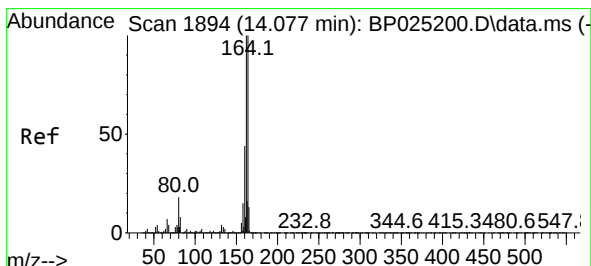
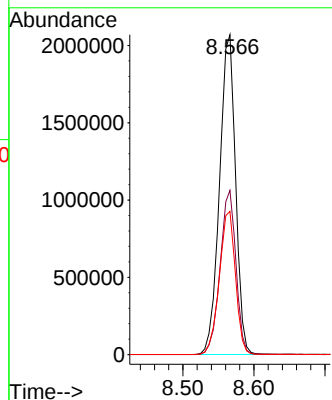
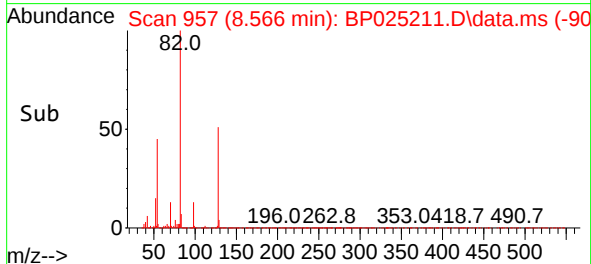
Instrument :
BNA_P
ClientSampleId :
OU4-TS-41-071725



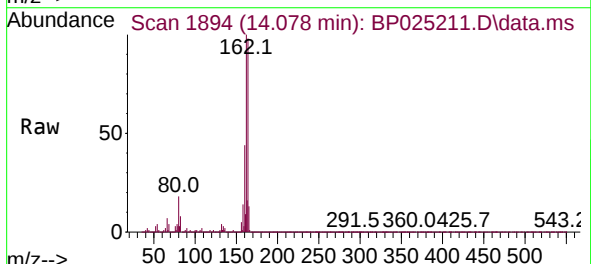
Tgt Ion: 82 Resp: 3257079
Ion Ratio Lower Upper
82 100
128 51.3 40.2 60.4
54 44.8 36.3 54.5

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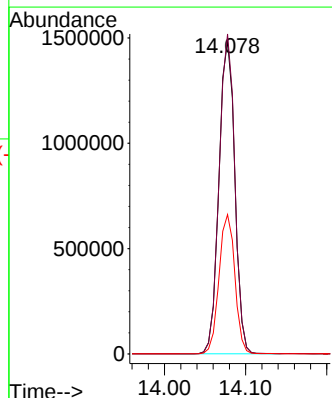
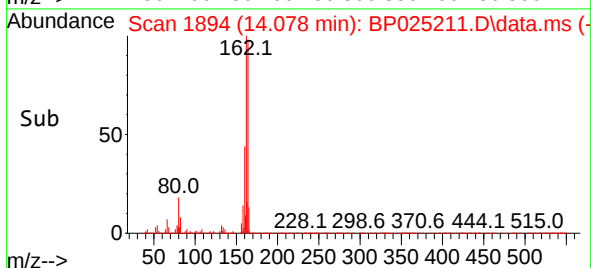
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

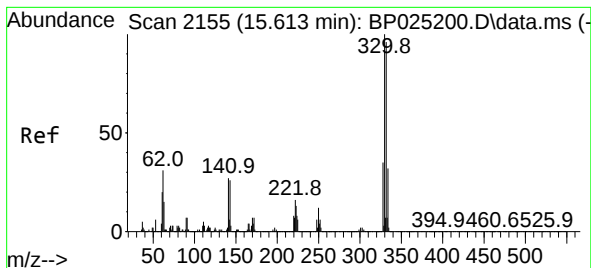


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32



Tgt Ion:164 Resp: 2011979
Ion Ratio Lower Upper
164 100
162 102.3 80.3 120.5
160 44.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 82.906 ng

RT: 15.601 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP025211.D

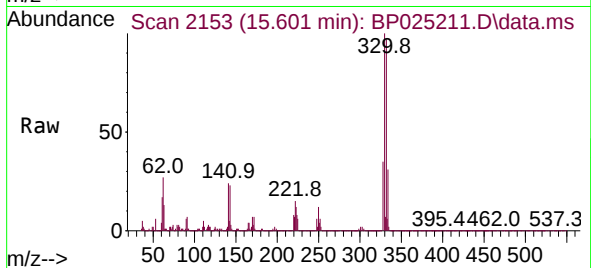
Acq: 22 Jul 2025 12:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-41-071725



Tgt Ion:330 Resp: 2459076

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

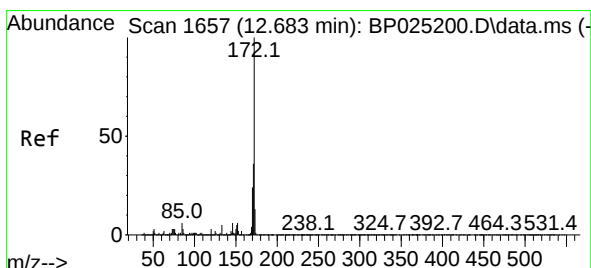
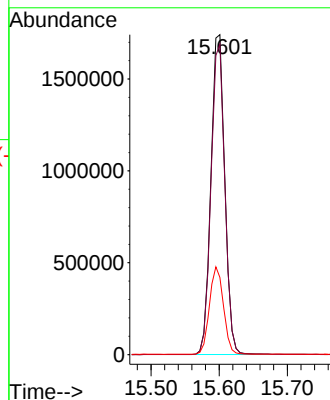
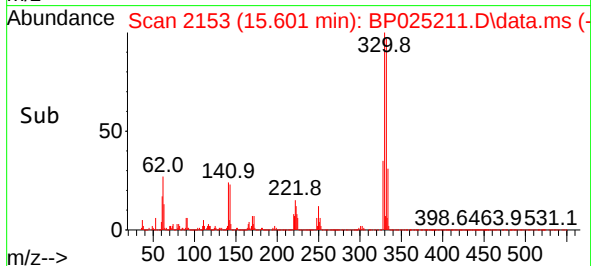
141 27.4 22.4 33.6

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#45

2-Fluorobiphenyl

Concen: 54.452 ng

RT: 12.678 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

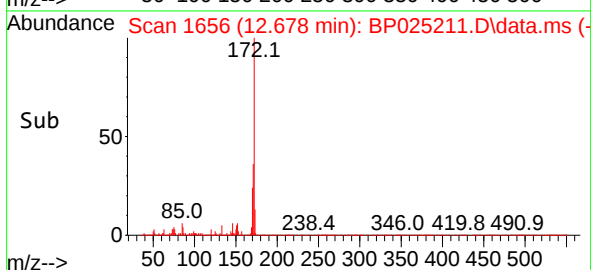
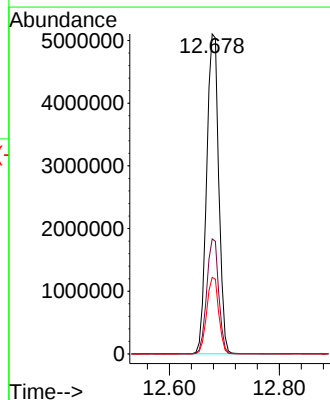
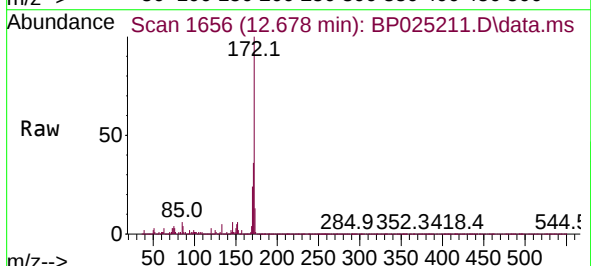
Tgt Ion:172 Resp: 7771013

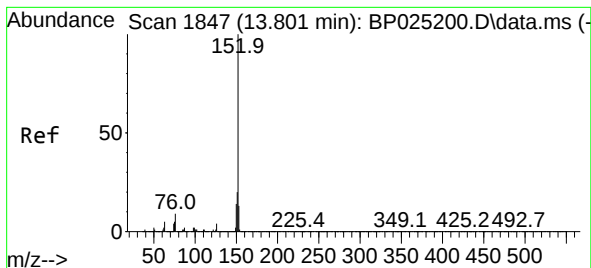
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 19.2 28.8





#49

Acenaphthylene

Concen: 2.936 ng

RT: 13.789 min Scan# 1845

Delta R.T. -0.011 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-41-071725

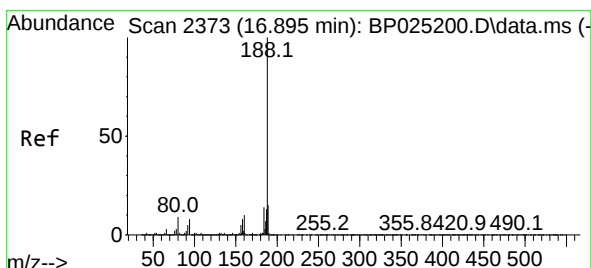
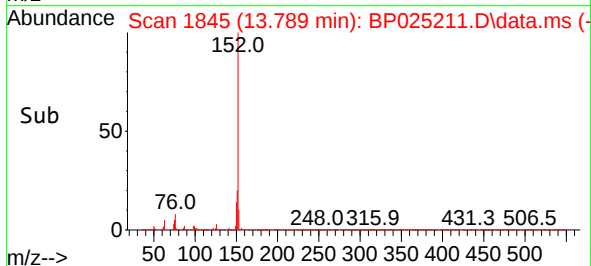
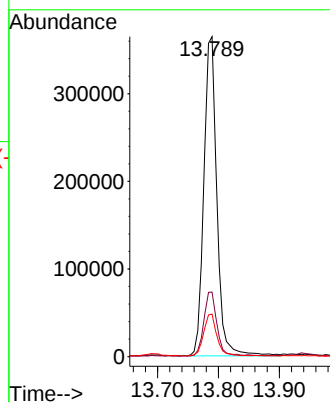
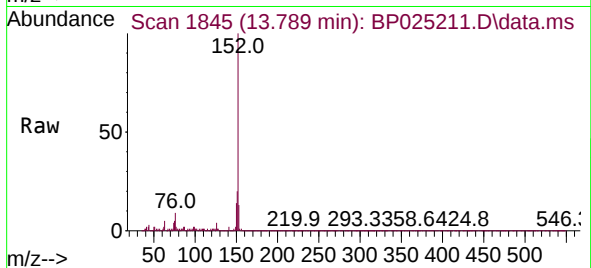
Tgt Ion:152 Resp: 540680
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.2 24.2
 153 13.3 10.6 15.8

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Supervised By :Jagrut Upadhyay 07/23/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

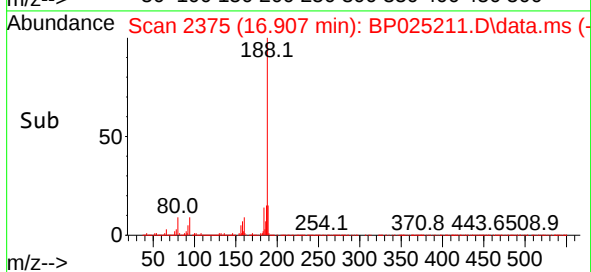
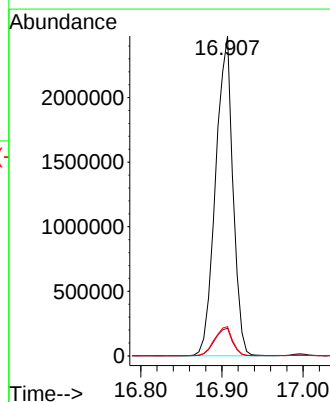
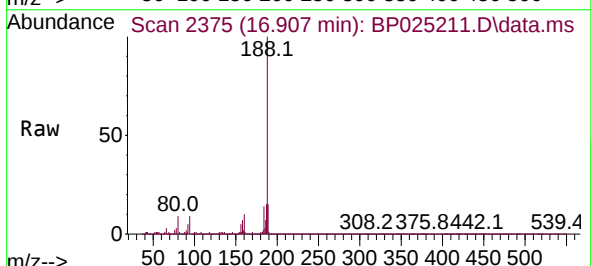
RT: 16.907 min Scan# 2375

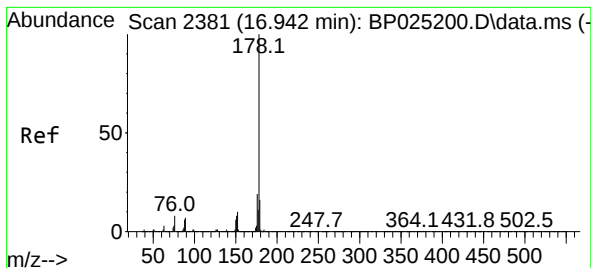
Delta R.T. 0.012 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

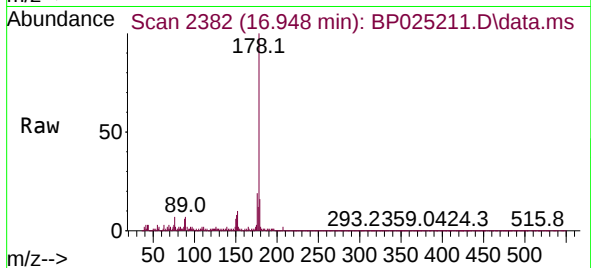
Tgt Ion:188 Resp: 3659937
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.8 10.2
 80 9.1 7.3 10.9





#71
Phenanthrene
Concen: 2.952 ng
RT: 16.948 min Scan# 2381
Delta R.T. 0.006 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

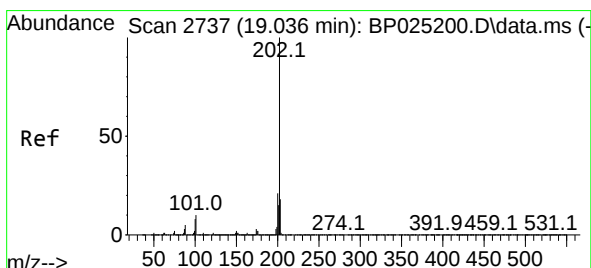
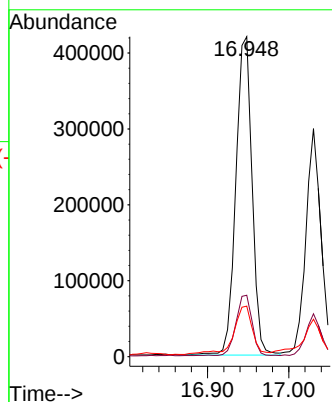
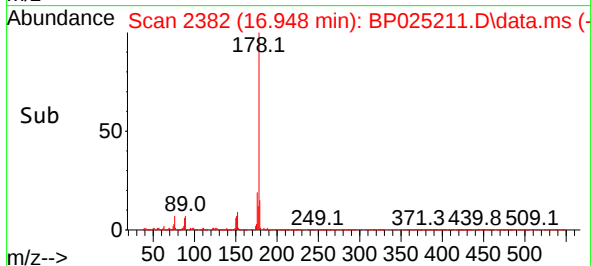
Instrument :
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Tgt Ion:178 Resp: 582814
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.8 12.5 18.7

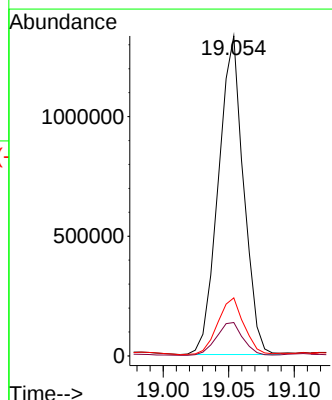
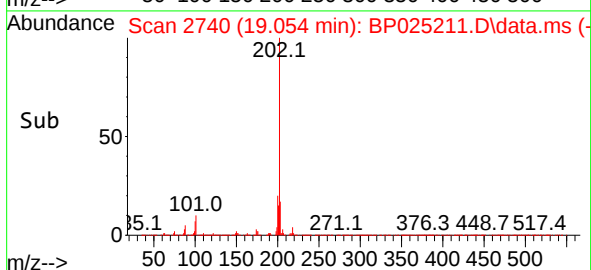
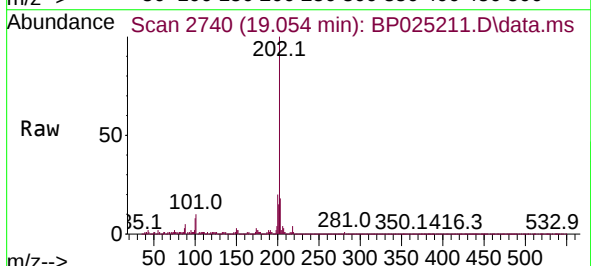
Manual Integrations
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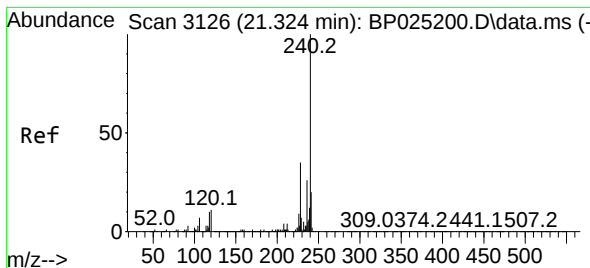
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#75
Fluoranthene
Concen: 7.669 ng
RT: 19.054 min Scan# 2740
Delta R.T. 0.018 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

Tgt Ion:202 Resp: 1781552
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.3
203 18.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.336 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-41-071725

Tgt Ion:240 Resp: 3519090

Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

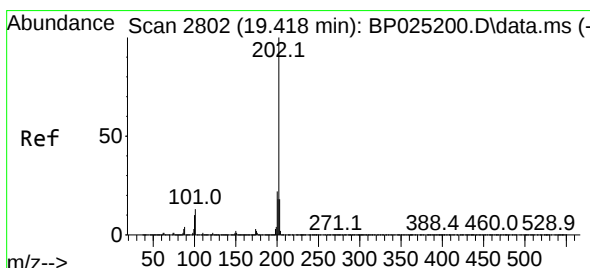
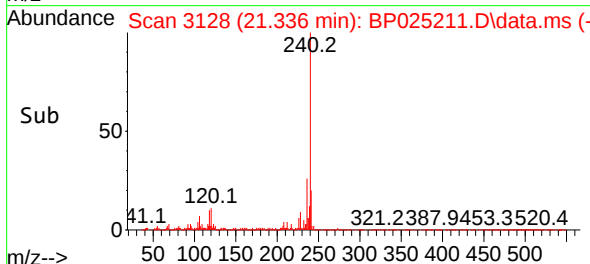
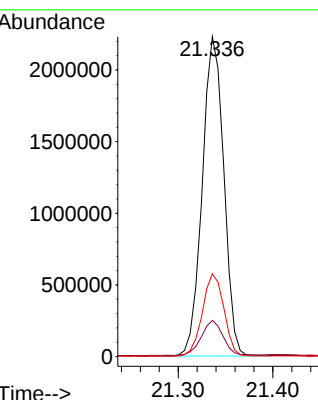
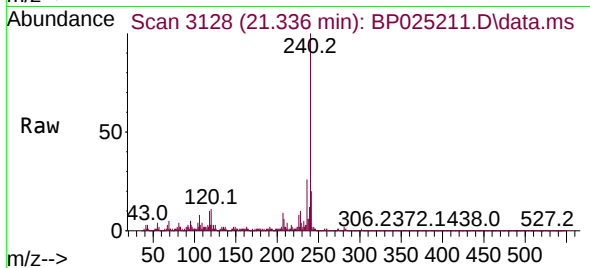
236 25.9 20.9 31.3

Manual Integrations

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#78

Pyrene

Concen: 10.061 ng

RT: 19.430 min Scan# 2804

Delta R.T. 0.012 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

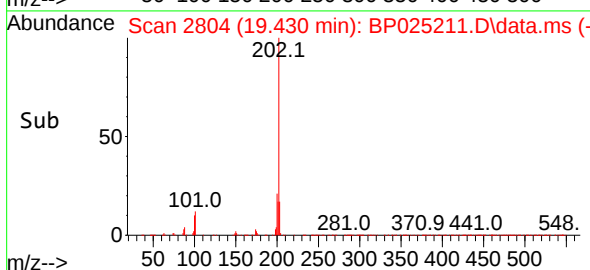
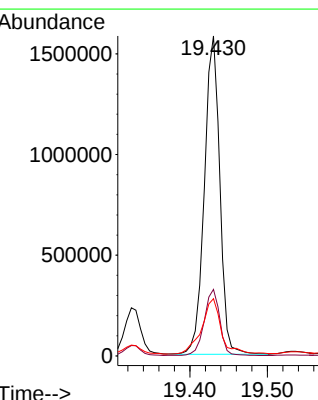
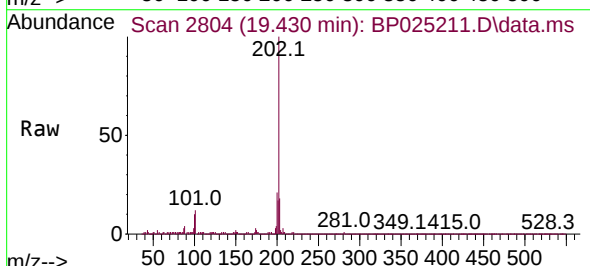
Tgt Ion:202 Resp: 2183157

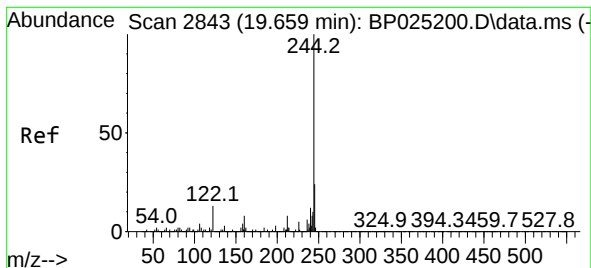
Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 55.140 ng

RT: 19.660 min Scan# 2843

Delta R.T. 0.001 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-41-071725

Tgt Ion:244 Resp: 982982

Ion Ratio Lower Upper

244 100

212 7.1 6.6 9.8

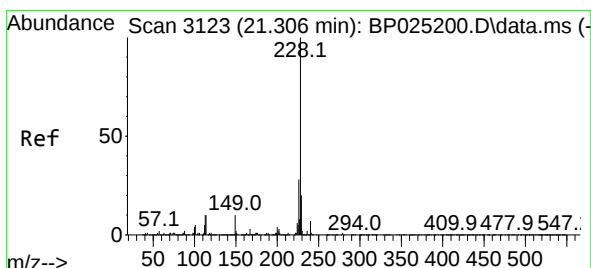
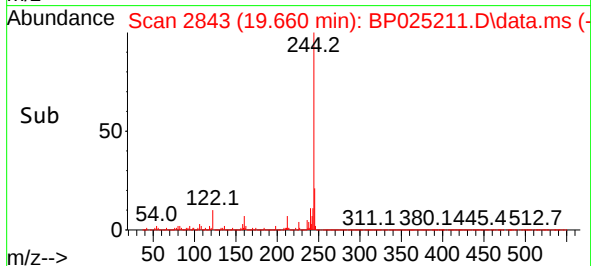
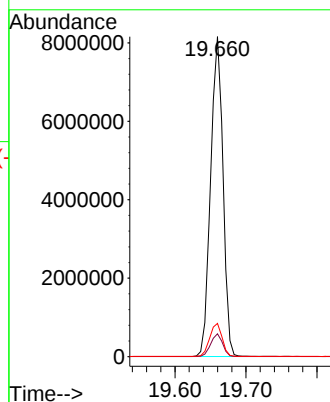
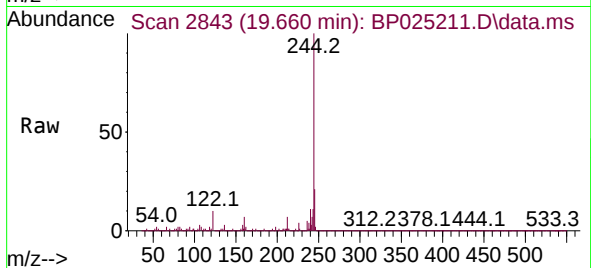
122 10.4 10.3 15.5

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#81

Benzo(a)anthracene

Concen: 6.650 ng m

RT: 21.318 min Scan# 3125

Delta R.T. 0.012 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

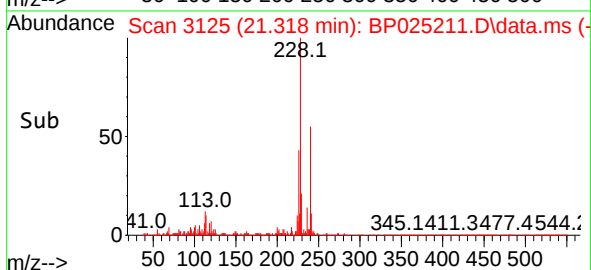
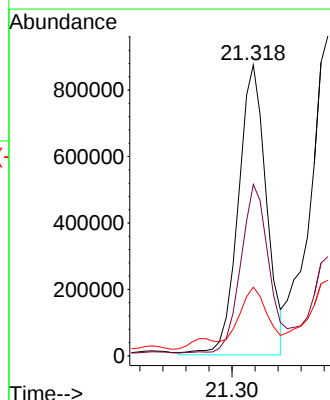
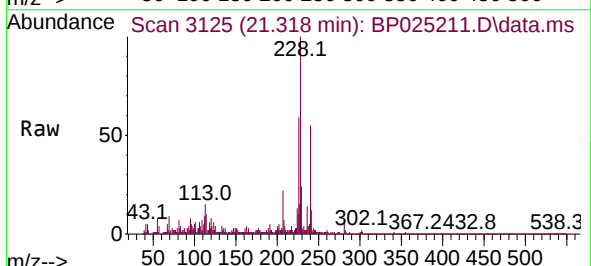
Tgt Ion:228 Resp: 1477913

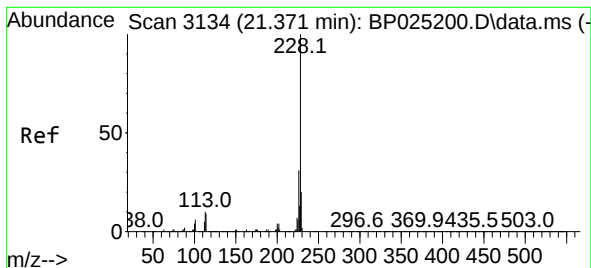
Ion Ratio Lower Upper

228 100

226 58.9 22.3 33.5#

229 23.6 16.2 24.2





#83

Chrysene

Concen: 7.926 ng

RT: 21.383 min Scan# 3134

Delta R.T. 0.012 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-41-071725

Tgt Ion:228 Resp: 1644272

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

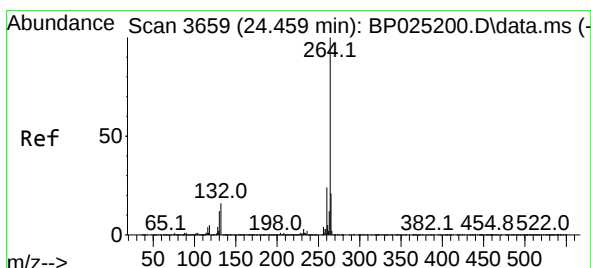
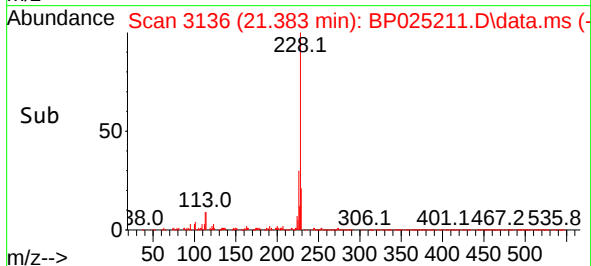
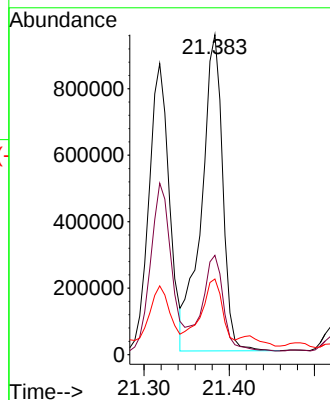
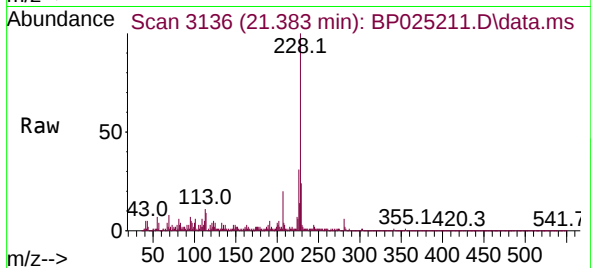
229 23.7 16.0 24.0

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.454 min Scan# 3658

Delta R.T. -0.006 min

Lab File: BP025211.D

Acq: 22 Jul 2025 12:32

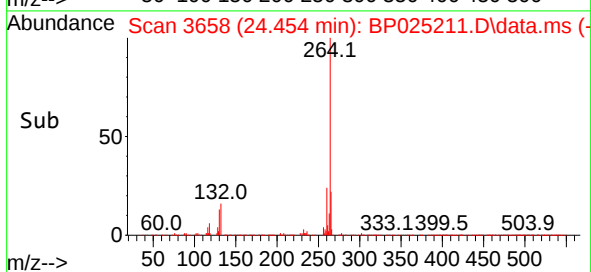
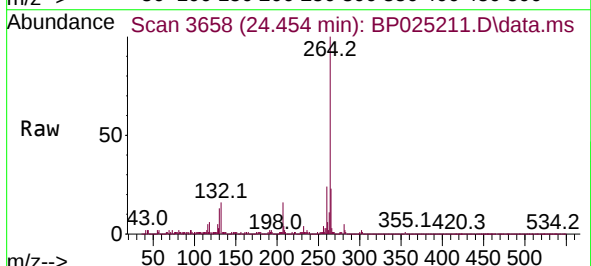
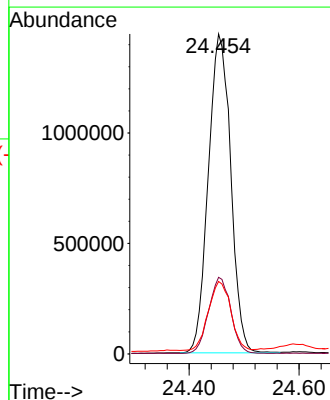
Tgt Ion:264 Resp: 4080535

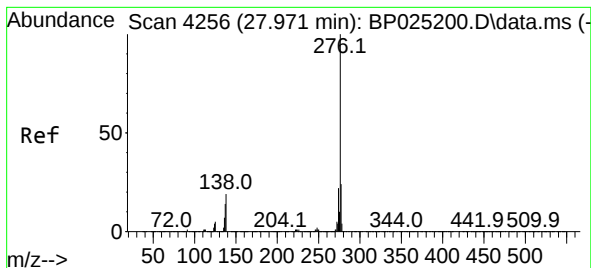
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

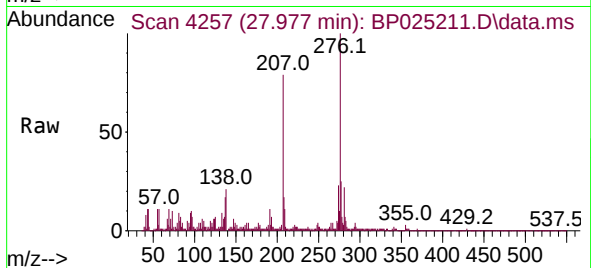
265 22.6 17.5 26.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.253 ng
 RT: 27.977 min Scan# 4256
 Delta R.T. 0.006 min
 Lab File: BP025211.D
 Acq: 22 Jul 2025 12:32

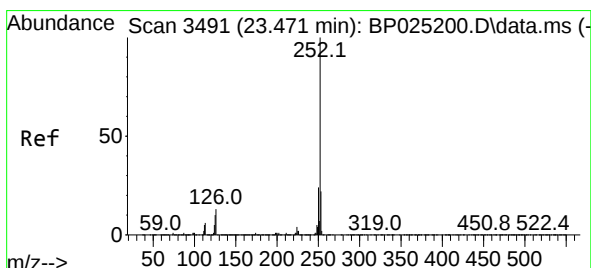
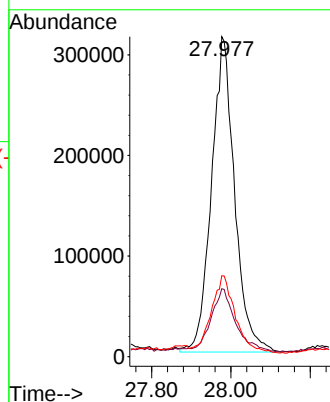
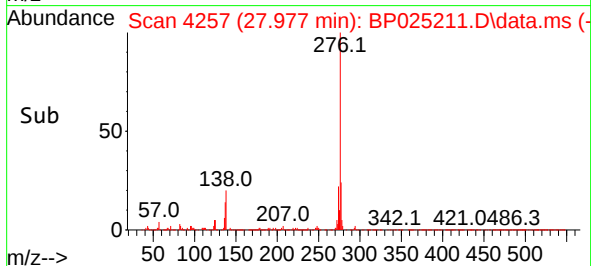
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-41-071725



Tgt Ion: 276 Resp: 1268094
 Ion Ratio Lower Upper
 276 100
 138 20.9 12.8 19.2
 277 25.6 20.3 30.5

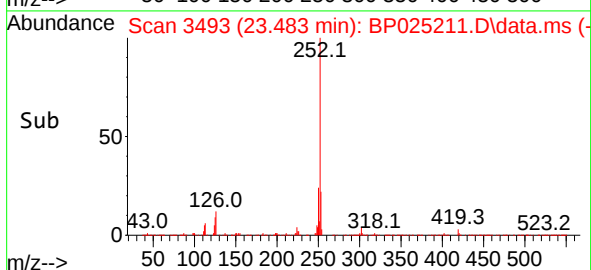
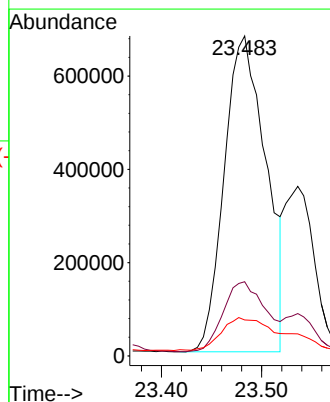
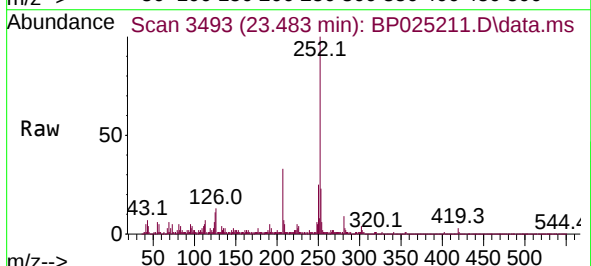
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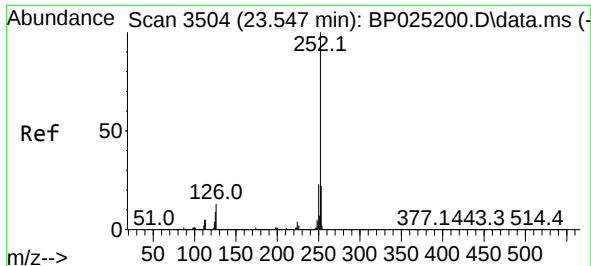
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025



#88
 Benzo(b)fluoranthene
 Concen: 8.422 ng
 RT: 23.483 min Scan# 3493
 Delta R.T. 0.012 min
 Lab File: BP025211.D
 Acq: 22 Jul 2025 12:32

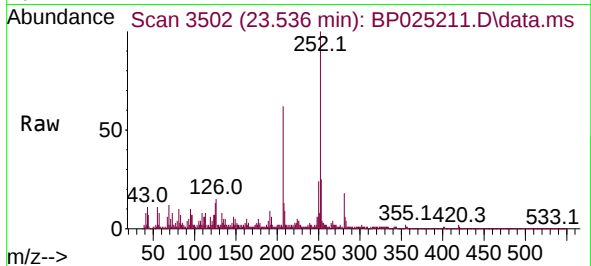
Tgt Ion: 252 Resp: 1967135
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 11.2 7.8 11.8





#89
Benzo(k)fluoranthene
Concen: 3.149 ng m
RT: 23.536 min Scan# 3504
Delta R.T. -0.011 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

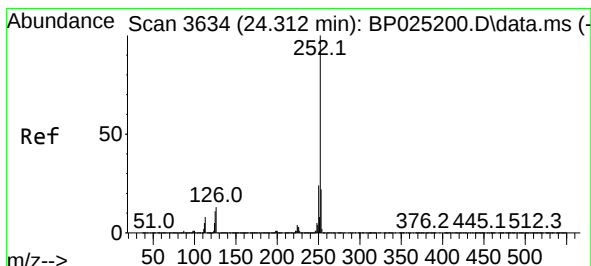
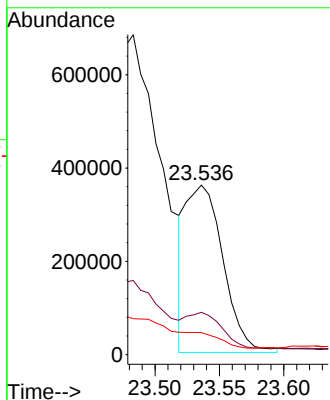
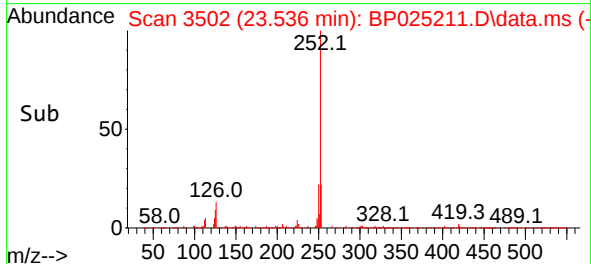
Instrument :
BNA_P
ClientSampleId :
OU4-TS-41-071725



Tgt Ion:252 Resp: 726165
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 12.9 7.5 11.3

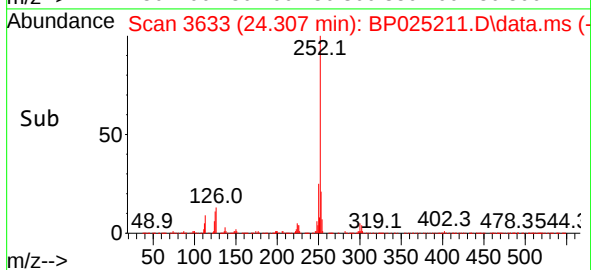
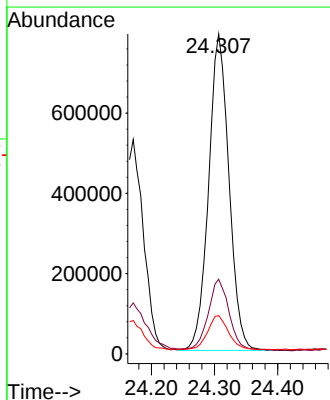
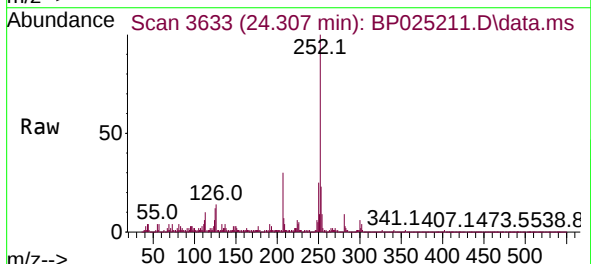
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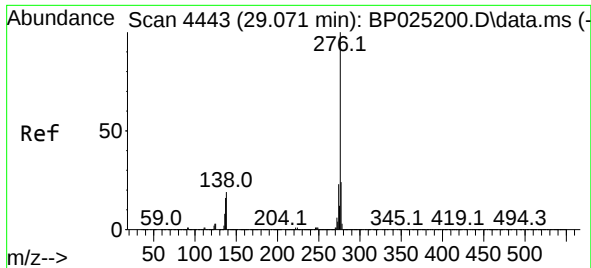
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#90
Benzo(a)pyrene
Concen: 7.758 ng
RT: 24.307 min Scan# 3633
Delta R.T. -0.006 min
Lab File: BP025211.D
Acq: 22 Jul 2025 12:32

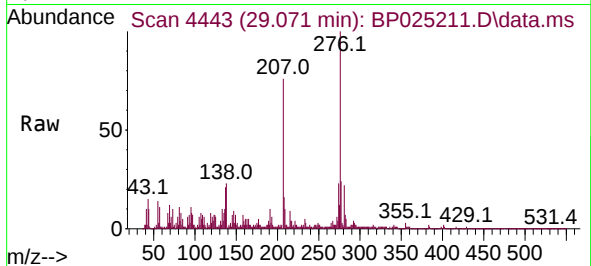
Tgt Ion:252 Resp: 1768051
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.0 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.316 ng
 RT: 29.071 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: BP025211.D
 Acq: 22 Jul 2025 12:32

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-41-071725



Tgt Ion: 276 Resp: 1271085
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.2 28.8
 138 22.9 15.4 23.2

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Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

