

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025221.D
 Acq On : 23 Jul 2025 12:47
 Operator : CG/JU
 Sample : Q2638-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-37-071725

Quant Time: Jul 23 13:06:47 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

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	590178	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	2487527	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	1674409	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	3354709	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3283587	20.000	ng	0.01
86) Perylene-d12	24.471	264	3860163	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	2174395	62.251	ng	0.00
7) Phenol-d6	6.637	99	2885297	66.695	ng	0.00
23) Nitrobenzene-d5	8.560	82	1740001	38.873	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1635290	66.248	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4651172	39.162	ng	0.00
79) Terphenyl-d14	19.666	244	6647591	39.964	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.042	202	1096981	5.151	ng	99
78) Pyrene	19.425	202	1355710	6.696	ng	99
81) Benzo(a)anthracene	21.319	228	946758m	4.566	ng	
83) Chrysene	21.383	228	1101898	5.692	ng	97
84) Bis(2-ethylhexyl)phtha...	21.307	149	263136m	2.008	ng	
87) Indeno(1,2,3-cd)pyrene	28.012	276	795063	2.818	ng	# 94
88) Benzo(b)fluoranthene	23.495	252	1351598	6.117	ng	# 96
90) Benzo(a)pyrene	24.318	252	1122675	5.208	ng	96
92) Benzo(g,h,i)perylene	29.100	276	807607	3.571	ng	96

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

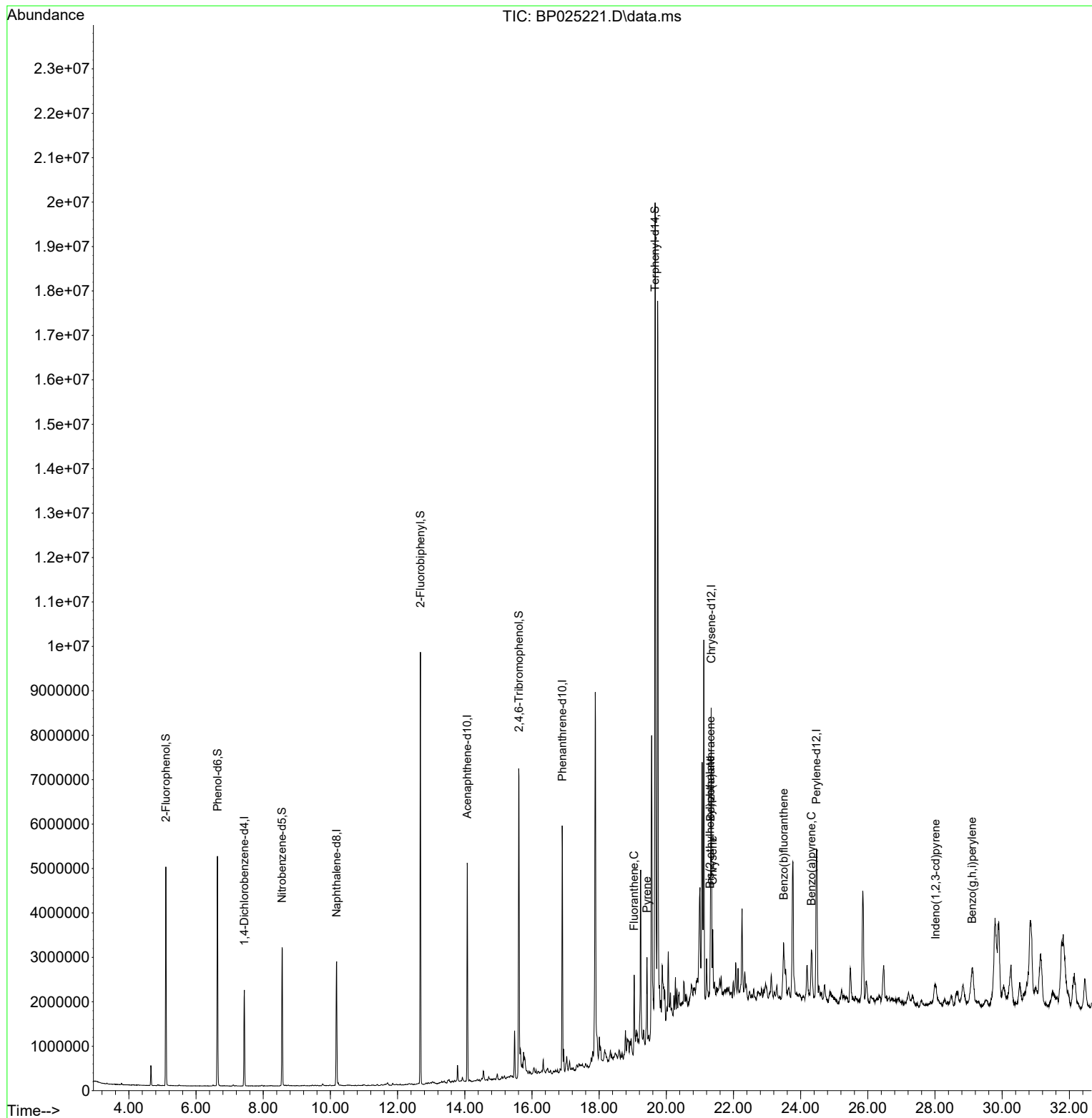
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Data File : BP025221.D
Acq On : 23 Jul 2025 12:47
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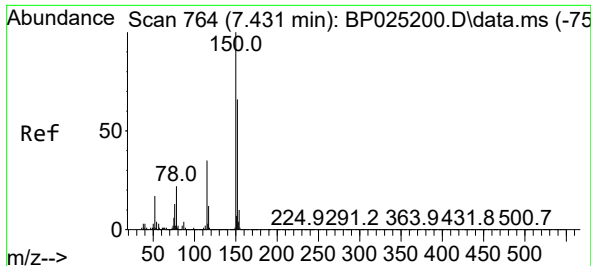
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BNA_P
ClientSampleId :
OU4-TS-37-071725

Quant Time: Jul 23 13:06:47 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

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APPROVED

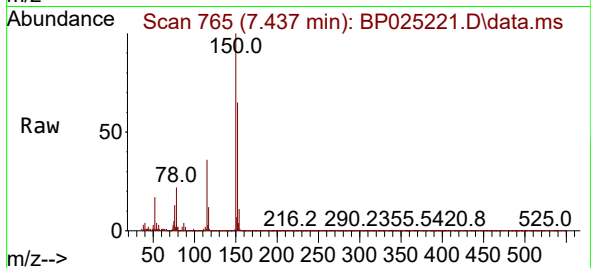
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Supervised By :Jagrut Upadhyay 07/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 764
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

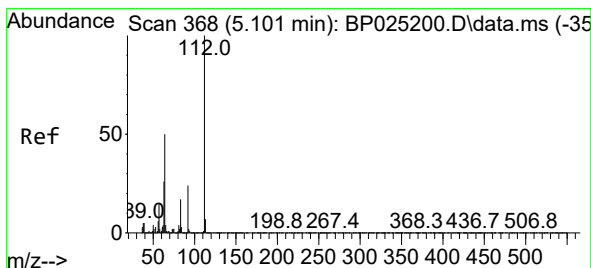
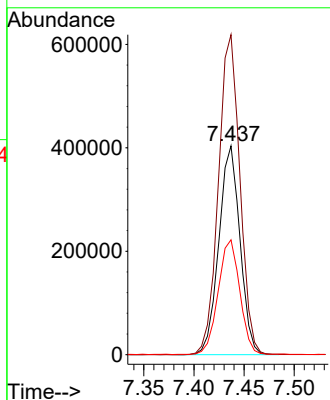
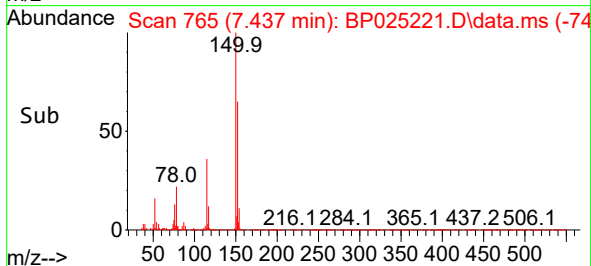
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725



Tgt Ion:152 Resp: 590178
Ion Ratio Lower Upper
152 100
150 153.2 121.9 182.9
115 55.0 43.0 64.6

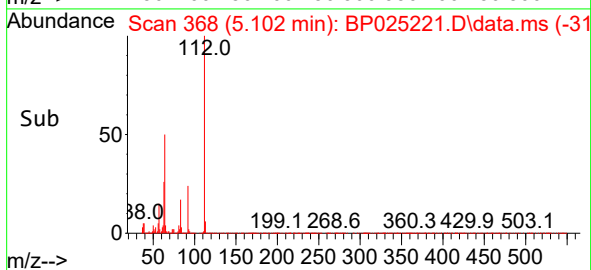
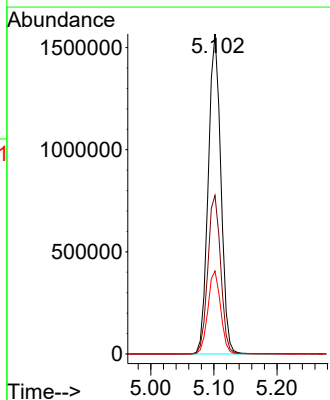
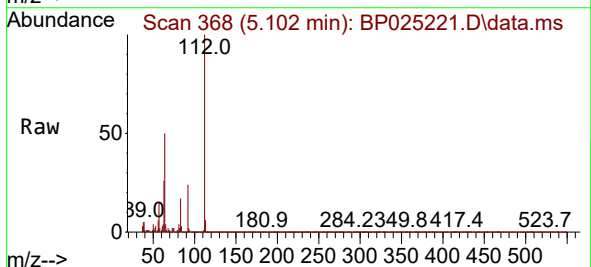
Manual Integrations
APPROVED

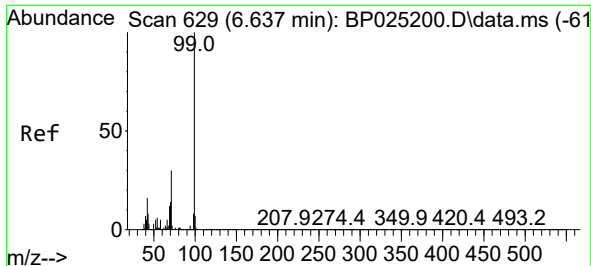
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#5
2-Fluorophenol
Concen: 62.251 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

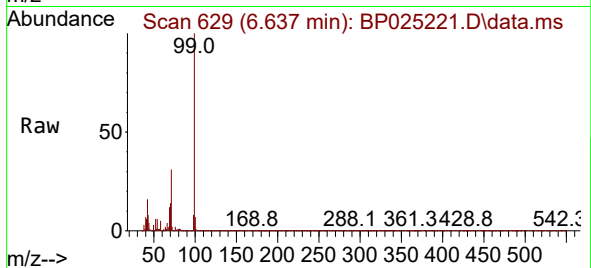
Tgt Ion:112 Resp: 2174395
Ion Ratio Lower Upper
112 100
64 49.6 39.8 59.6
63 26.0 20.5 30.7





#7
Phenol-d6
Concen: 66.695 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

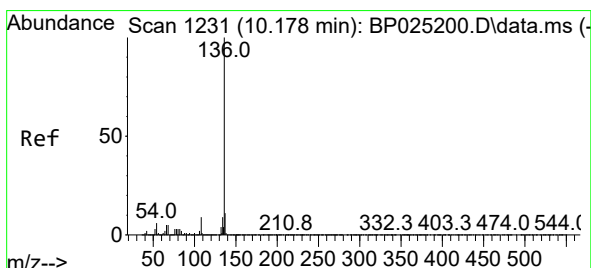
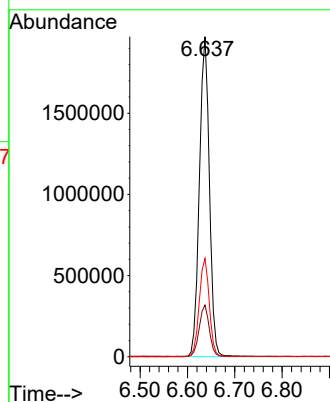
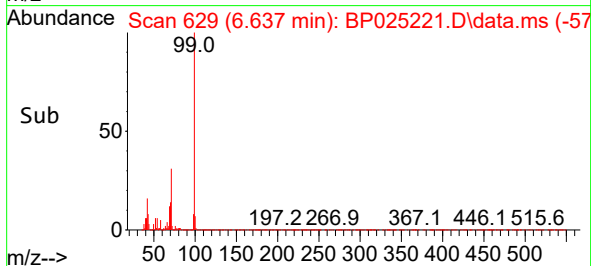
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725



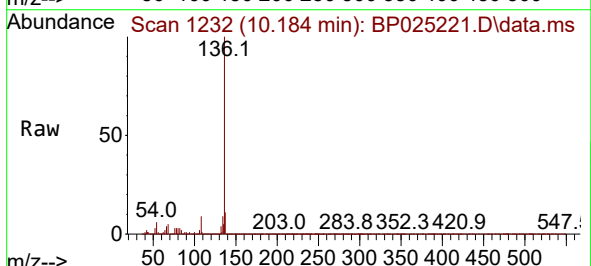
Tgt Ion: 99 Resp: 288529
Ion Ratio Lower Upper
99 100
42 16.1 12.5 18.7
71 30.7 24.2 36.2

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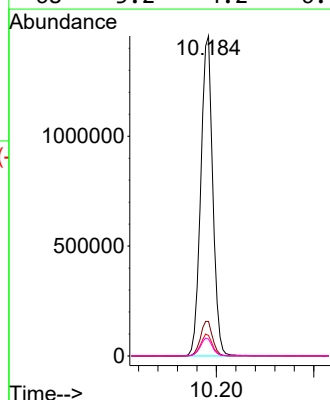
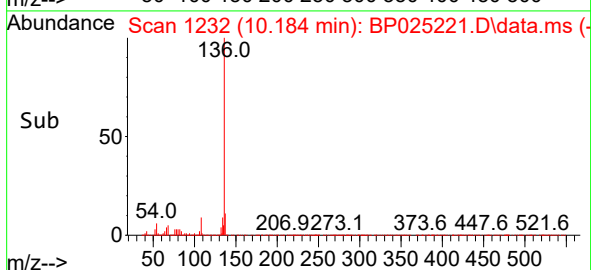
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47



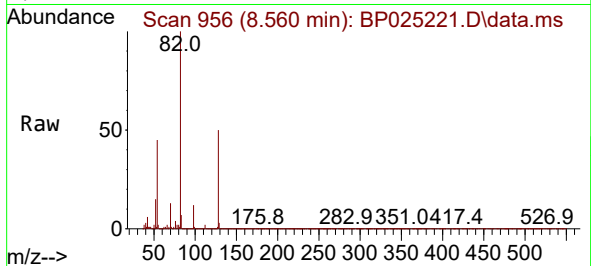
Tgt Ion:136 Resp: 2487527
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.1 7.7
68 5.2 4.2 6.4





#23
Nitrobenzene-d5
Concen: 38.873 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

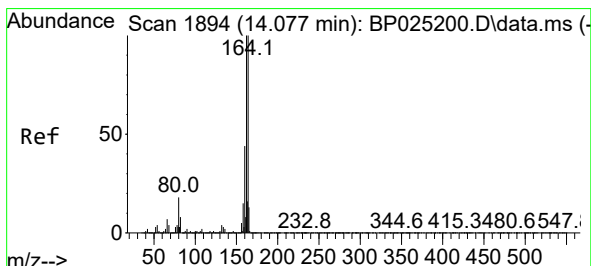
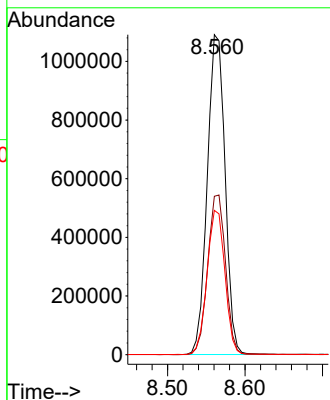
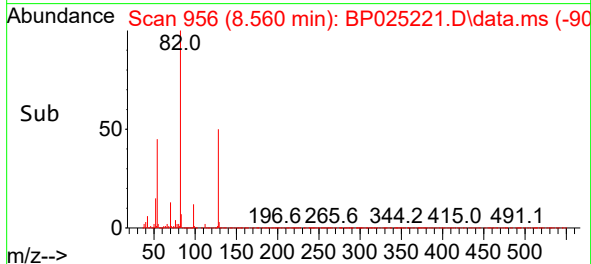
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725



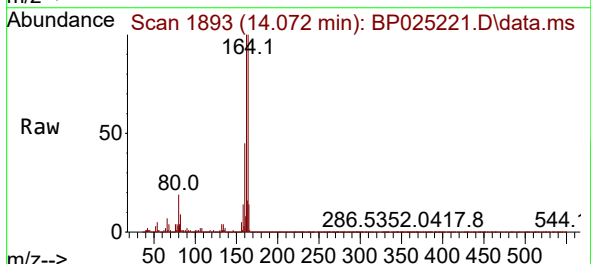
Tgt Ion: 82 Resp: 174000
Ion Ratio Lower Upper
82 100
128 49.5 40.2 60.4
54 45.1 36.3 54.5

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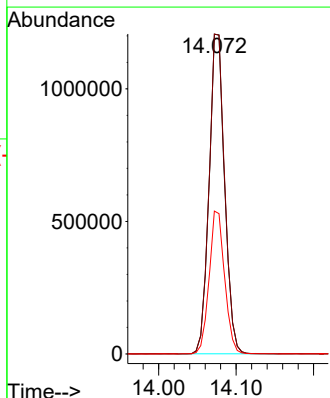
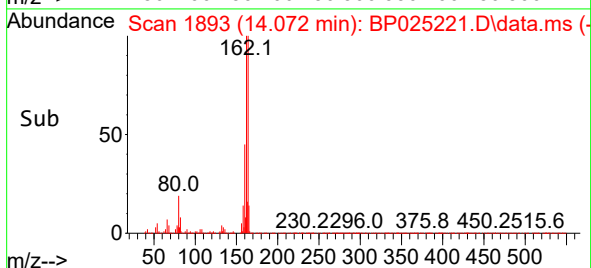
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

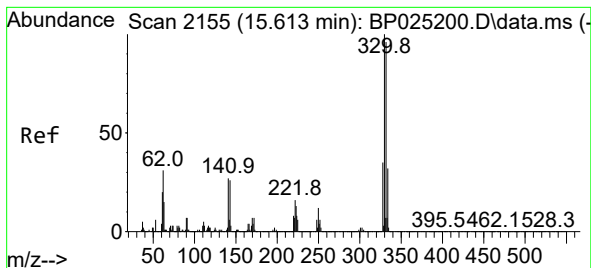


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.072 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47



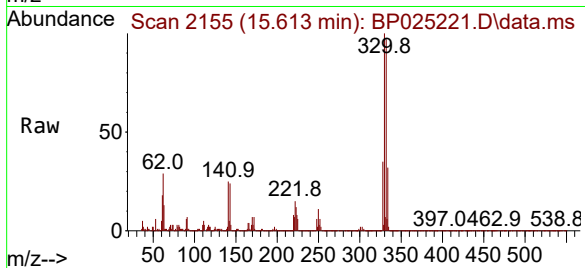
Tgt Ion:164 Resp: 1674409
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 44.7 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 66.248 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

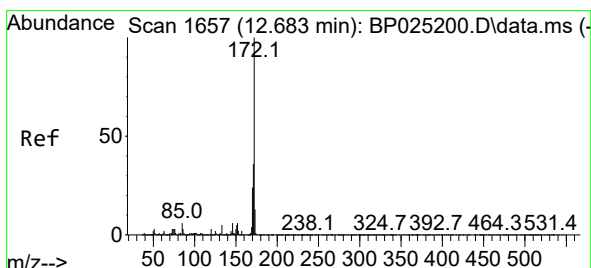
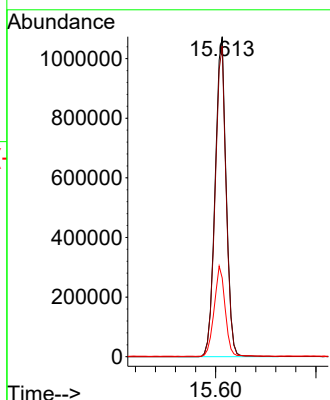
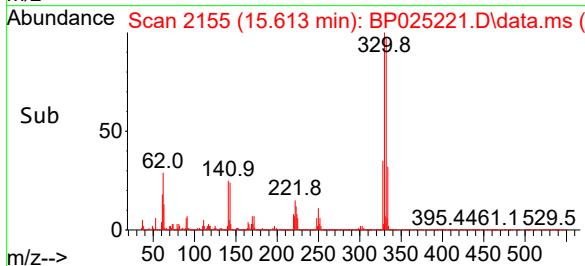
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725



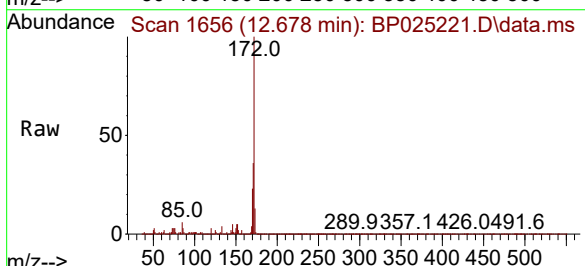
Tgt Ion:330 Resp: 1635290
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 28.0 22.4 33.6

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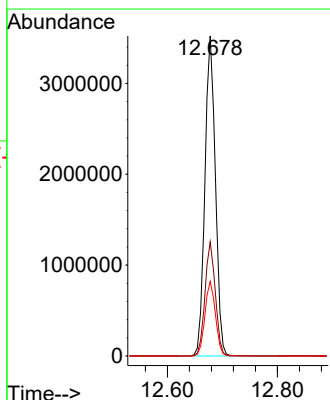
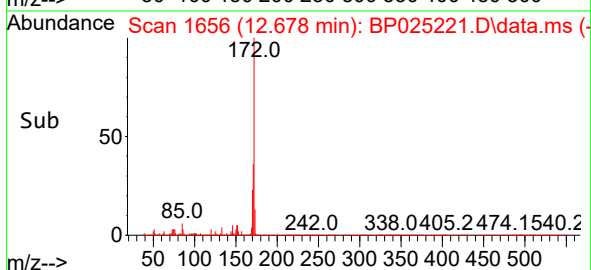
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

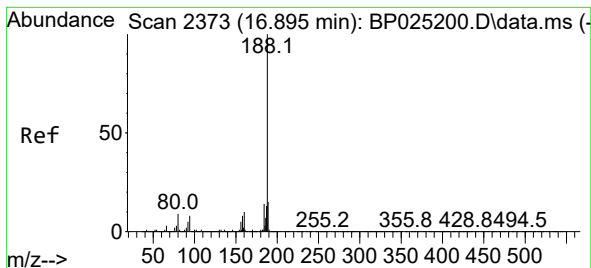


#45
2-Fluorobiphenyl
Concen: 39.162 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47



Tgt Ion:172 Resp: 4651172
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 19.2 28.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.901 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:188 Resp: 3354709

Ion Ratio Lower Upper

188 100

94 8.7 6.8 10.2

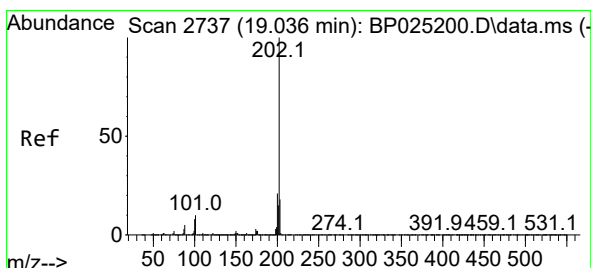
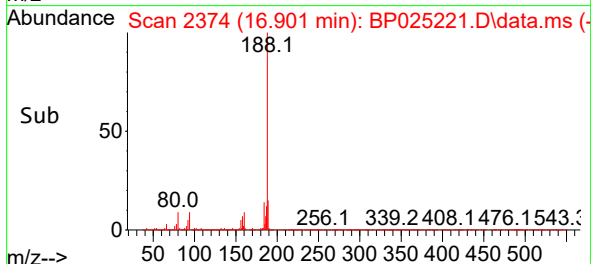
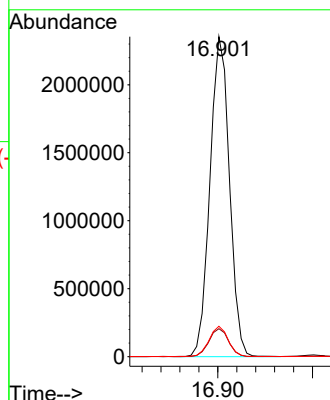
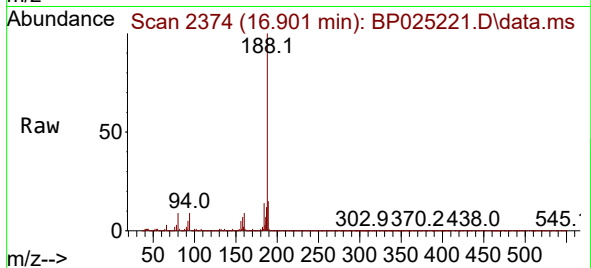
80 9.5 7.3 10.9

Manual Integrations

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#75

Fluoranthene

Concen: 5.151 ng

RT: 19.042 min Scan# 2738

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

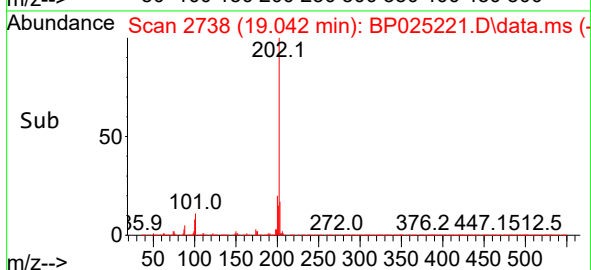
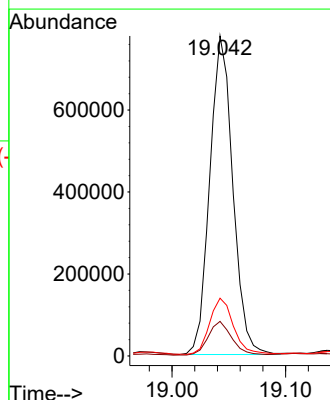
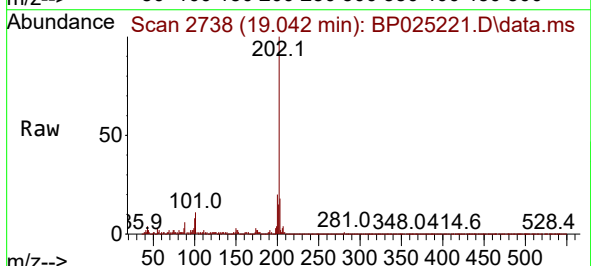
Tgt Ion:202 Resp: 1096981

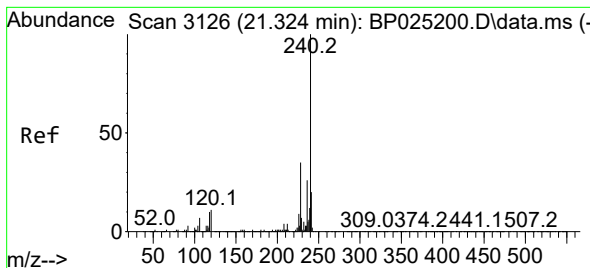
Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

203 18.0 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: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:240 Resp: 328358

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

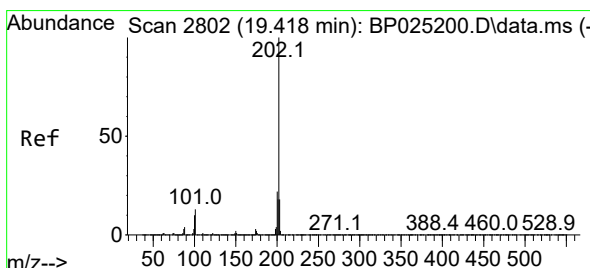
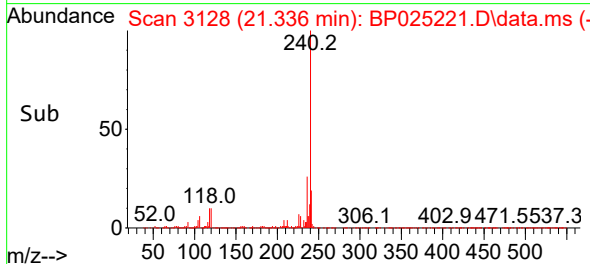
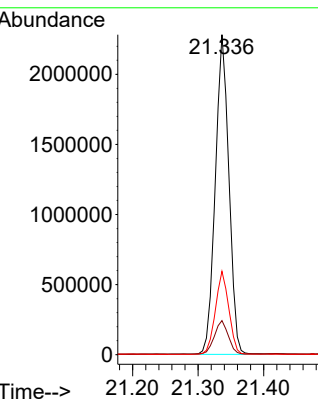
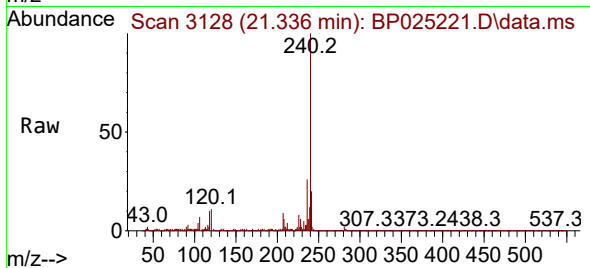
236 26.0 20.9 31.3

Manual Integrations

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#78

Pyrene

Concen: 6.696 ng

RT: 19.425 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

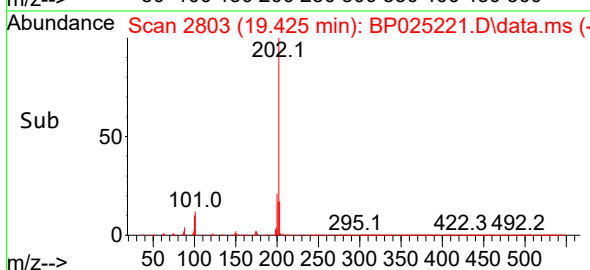
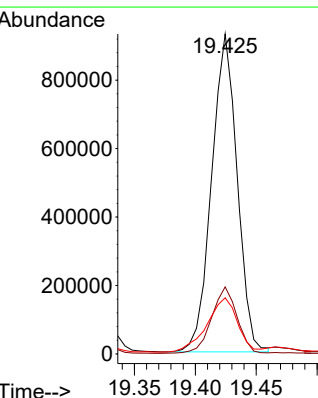
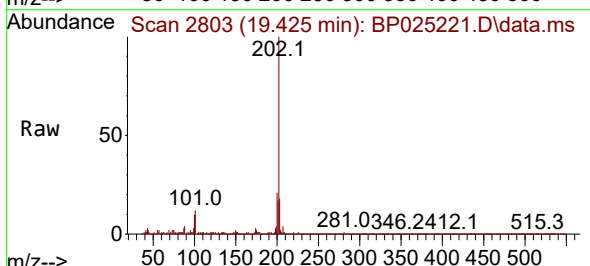
Tgt Ion:202 Resp: 1355710

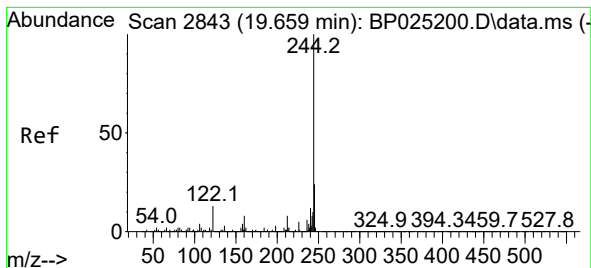
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 39.964 ng

RT: 19.666 min Scan# 21

Delta R.T. 0.007 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:244 Resp: 664759

Ion Ratio Lower Upper

244 100

212 6.9 6.6 9.8

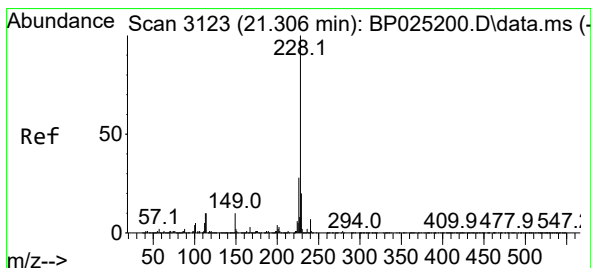
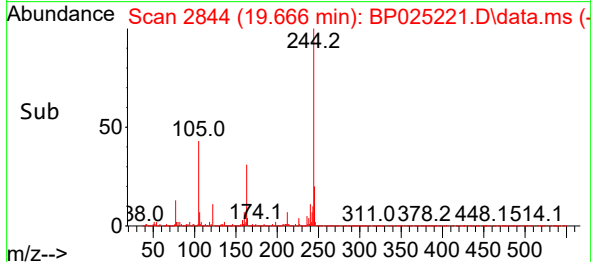
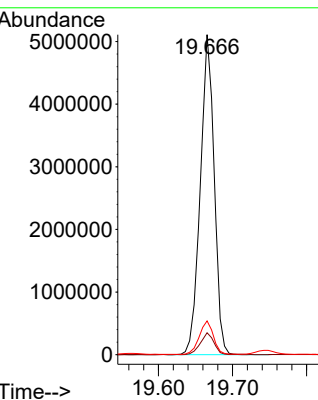
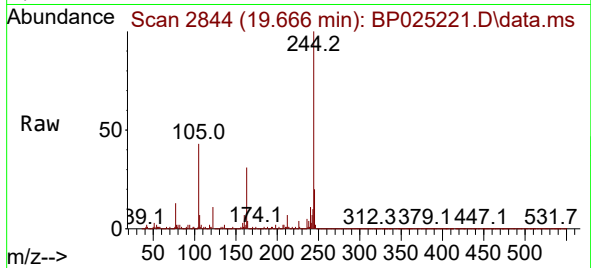
122 10.6 10.3 15.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/24/2025



#81

Benzo(a)anthracene

Concen: 4.566 ng m

RT: 21.319 min Scan# 3125

Delta R.T. 0.012 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

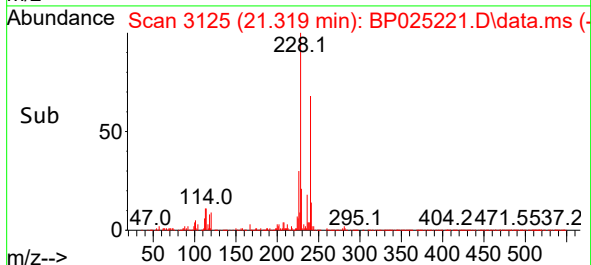
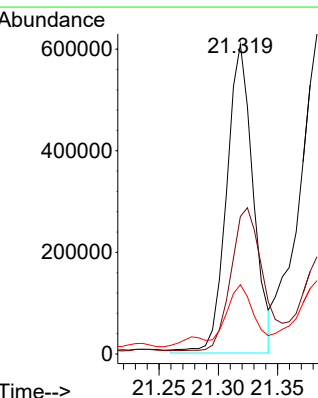
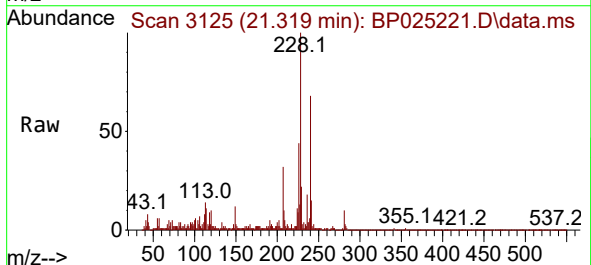
Tgt Ion:228 Resp: 946758

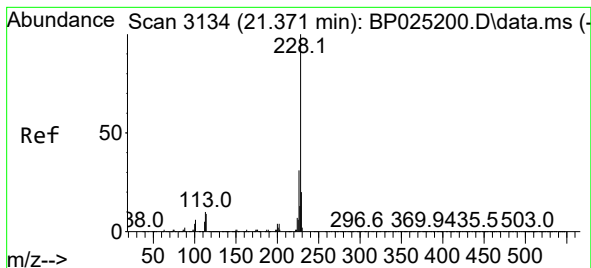
Ion Ratio Lower Upper

228 100

226 44.4 22.3 33.5#

229 22.4 16.2 24.2





#83

Chrysene

Concen: 5.692 ng

RT: 21.383 min Scan# 3136

Delta R.T. 0.012 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:228 Resp: 110189

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

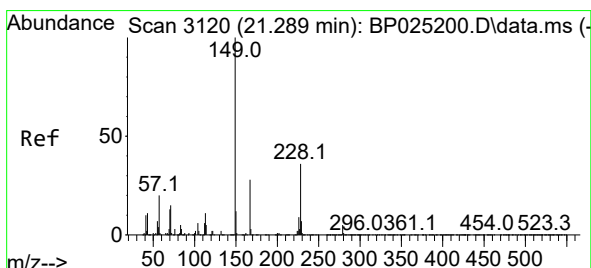
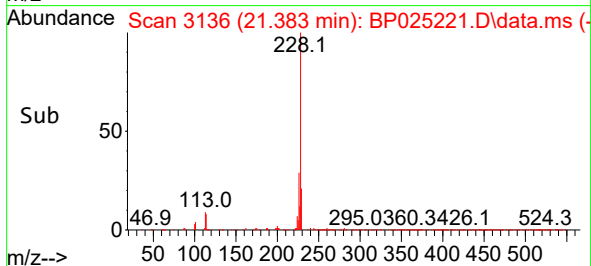
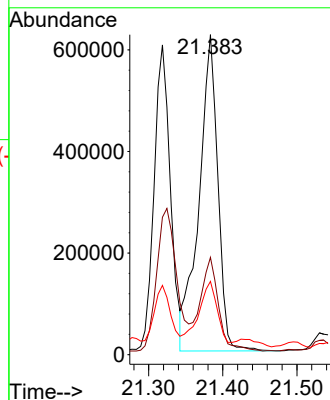
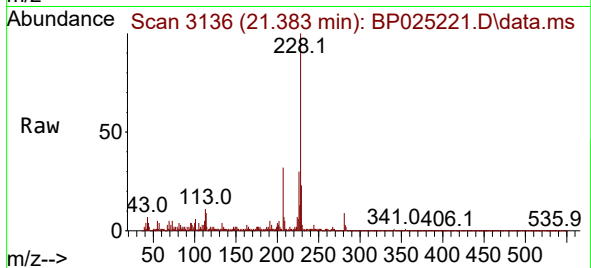
229 22.9 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.008 ng m

RT: 21.307 min Scan# 3123

Delta R.T. 0.018 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

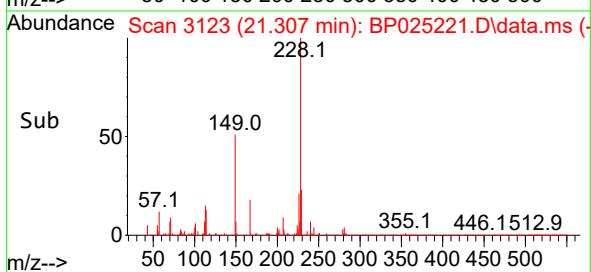
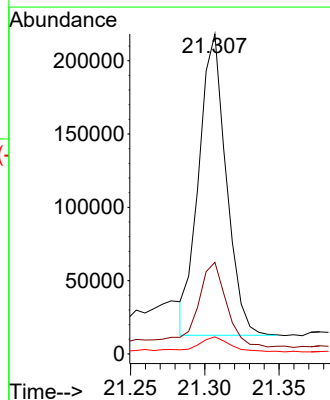
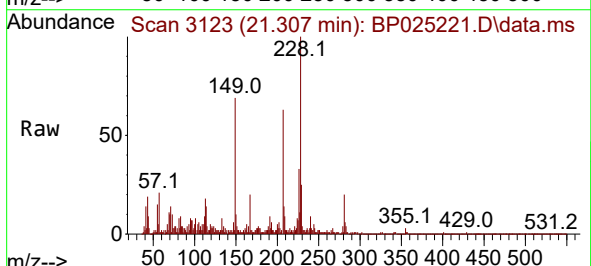
Tgt Ion:149 Resp: 263136

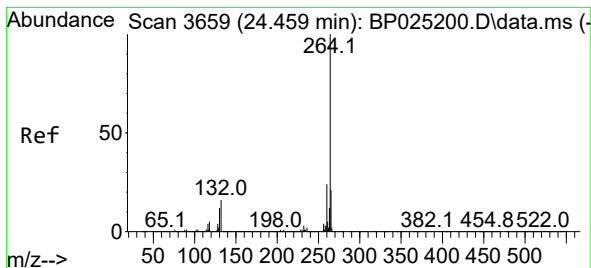
Ion Ratio Lower Upper

149 100

167 28.6 22.6 34.0

279 5.4 4.0 6.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.471 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:264 Resp: 386016

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

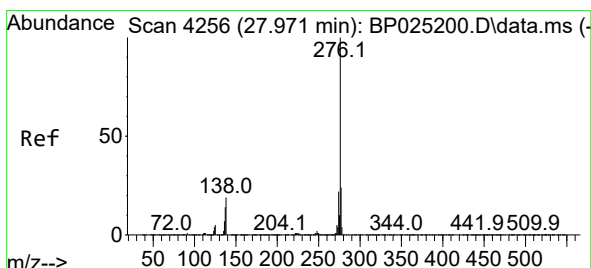
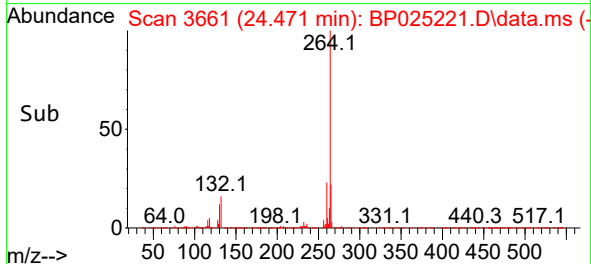
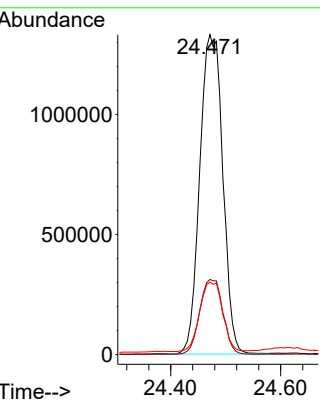
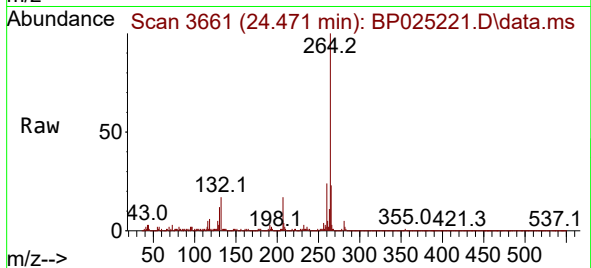
265 22.7 17.5 26.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.818 ng

RT: 28.012 min Scan# 4263

Delta R.T. 0.042 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

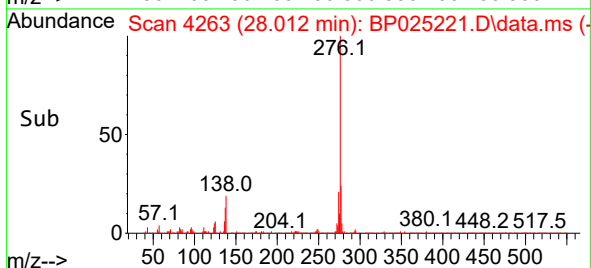
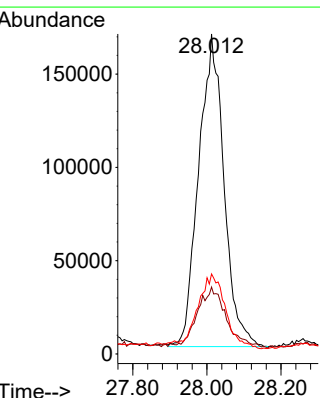
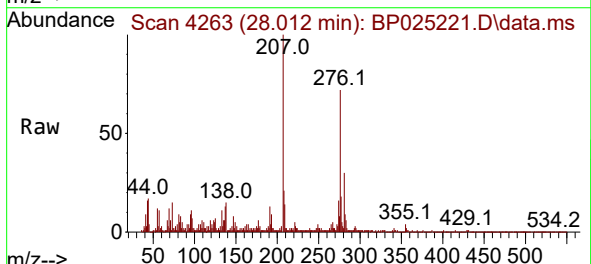
Tgt Ion:276 Resp: 795063

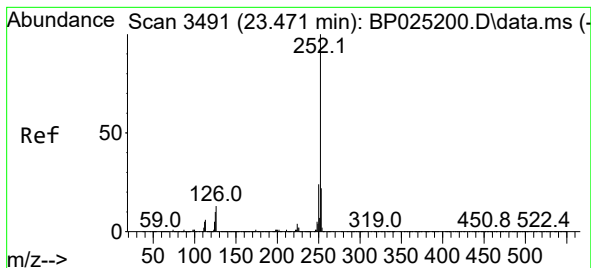
Ion Ratio Lower Upper

276 100

138 22.2 12.8 19.2#

277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.117 ng

RT: 23.495 min Scan# 3495

Delta R.T. 0.024 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

Tgt Ion:252 Resp: 1351598

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

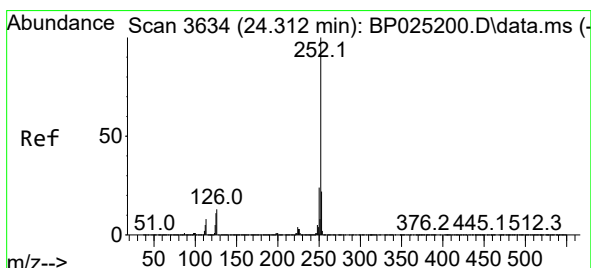
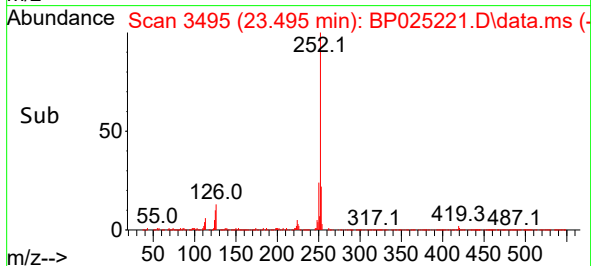
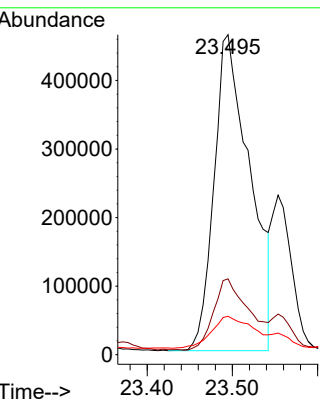
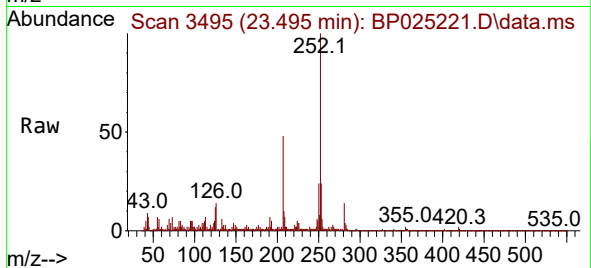
125 12.0 7.8 11.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#90

Benzo(a)pyrene

Concen: 5.208 ng

RT: 24.318 min Scan# 3635

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

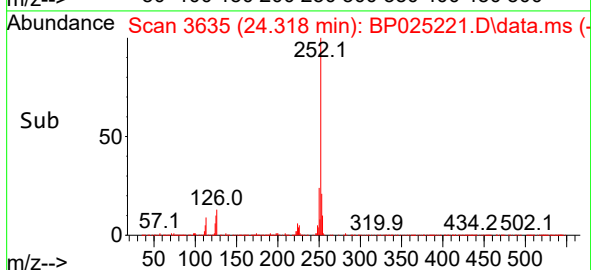
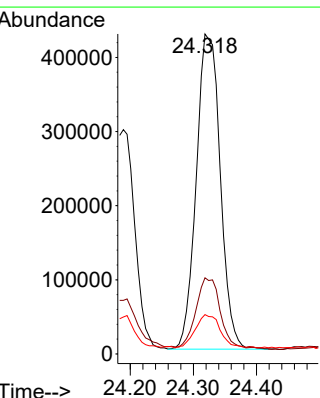
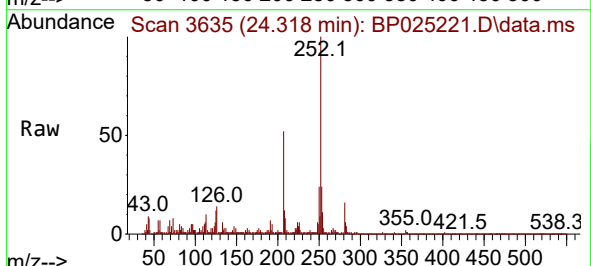
Tgt Ion:252 Resp: 1122675

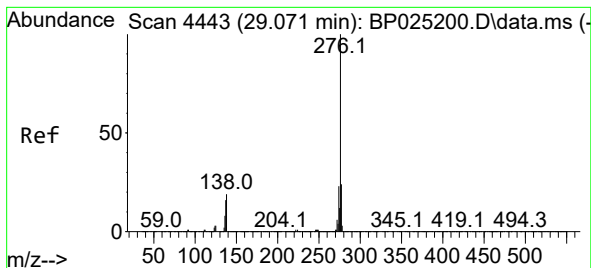
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 12.3 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 3.571 ng

RT: 29.100 min Scan# 44

Delta R.T. 0.030 min

Lab File: BP025221.D

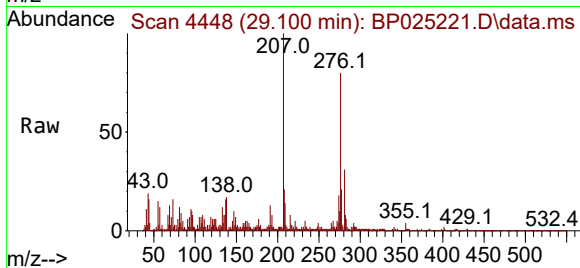
Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725



Tgt Ion: 276 Resp: 80760

Ion Ratio Lower Upper

276 100

277 25.8 19.2 28.8

138 21.7 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025

