

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025323.D
 Acq On : 07 Aug 2025 21:18
 Operator : CG/JU
 Sample : Q2788-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-08062025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/08/2025
 Supervised By :Jagrut Upadhyay 08/11/2025

Quant Time: Aug 08 01:05:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.807	152	259750	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1090785	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	700429	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1364961	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1226410	20.000	ng	0.00
86) Perylene-d12	25.048	264	1359401	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	165871	10.271	ng	0.00
7) Phenol-d6	6.966	99	212876	10.016	ng	0.00
23) Nitrobenzene-d5	8.937	82	131552	6.682	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	76588	10.961	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	341265	6.730	ng	0.00
79) Terphenyl-d14	19.936	244	491163	7.564	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.142	152	132528	2.018	ng	98
71) Phenanthrene	17.260	178	637150	8.523	ng	99
72) Anthracene	17.348	178	302113	4.008	ng	99
75) Fluoranthene	19.348	202	1016556	11.746	ng	98
78) Pyrene	19.719	202	1290544	15.824	ng	100
81) Benzo(a)anthracene	21.642	228	633648m	7.775	ng	
83) Chrysene	21.713	228	650096m	8.600	ng	
87) Indeno(1,2,3-cd)pyrene	28.900	276	359476	3.689	ng	# 85
88) Benzo(b)fluoranthene	23.965	252	686717	8.439	ng	# 93
89) Benzo(k)fluoranthene	24.036	252	205679m	2.550	ng	
90) Benzo(a)pyrene	24.883	252	597070	7.619	ng	# 95
92) Benzo(g,h,i)perylene	30.053	276	357322	4.562	ng	94

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

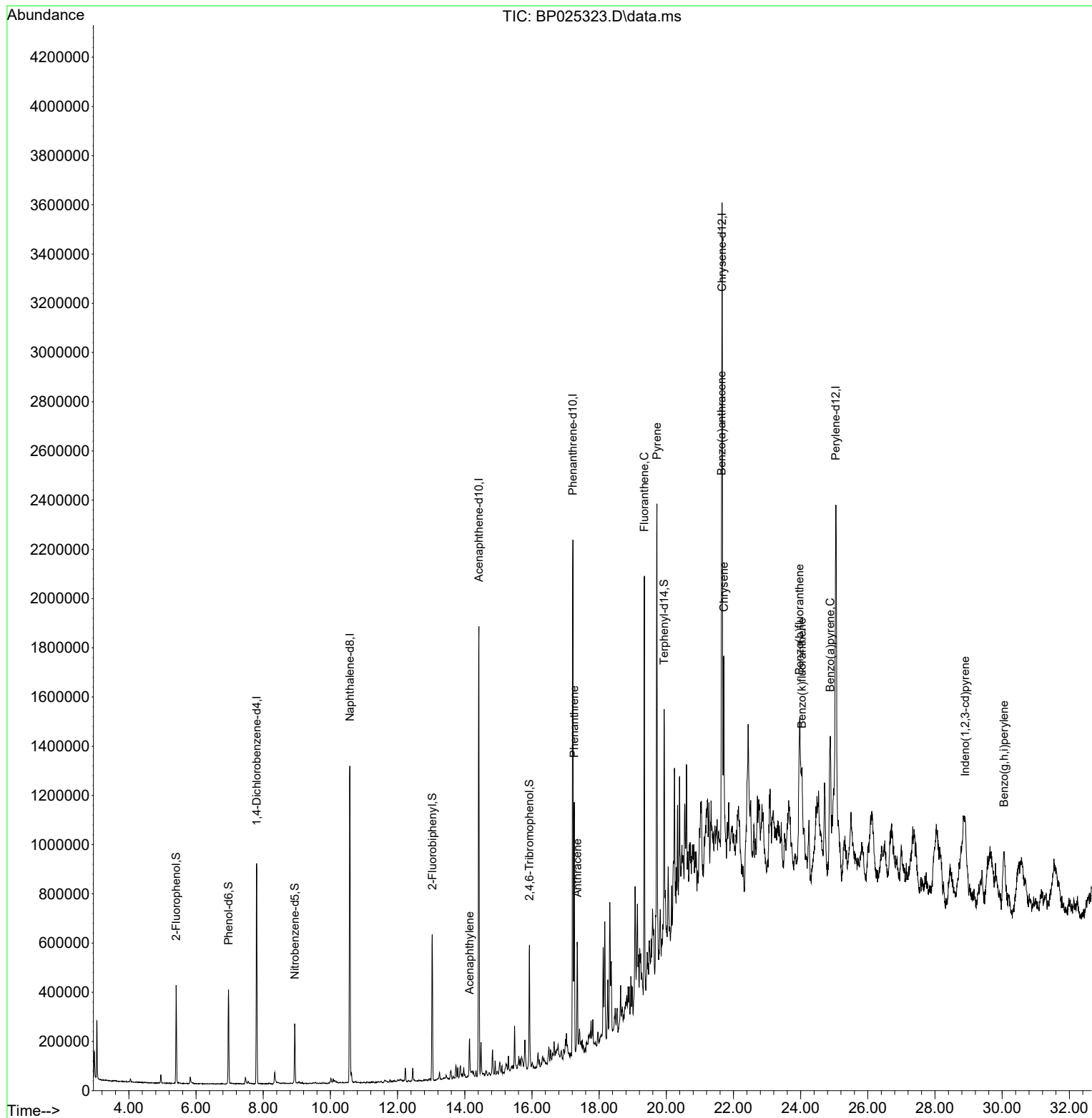
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
Data File : BP025323.D
Acq On : 07 Aug 2025 21:18
Operator : CG/JU
Sample : Q2788-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

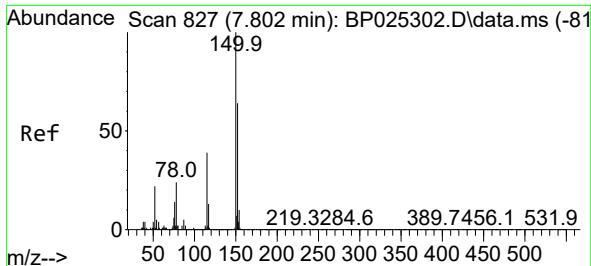
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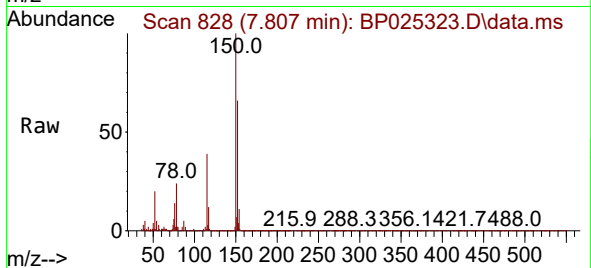
Quant Time: Aug 08 01:05:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.807 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

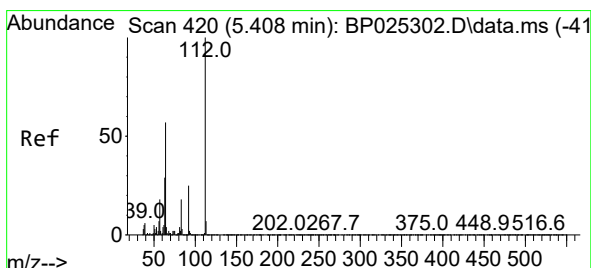
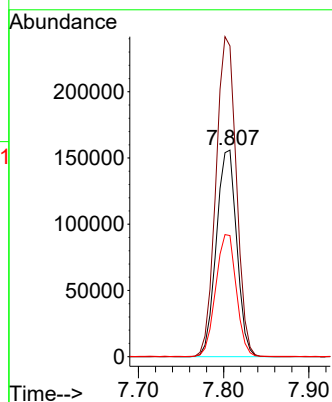
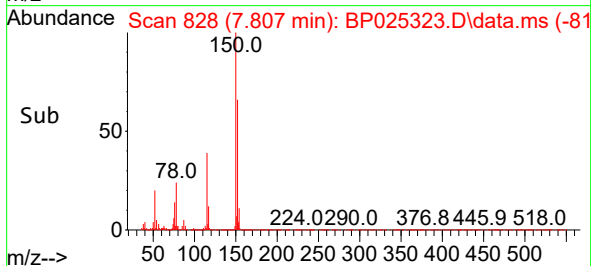
Instrument :
BNA_P
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OK-01-08062025



Tgt Ion:152 Resp: 259750
Ion Ratio Lower Upper
152 100
150 150.5 125.1 187.7
115 58.6 48.4 72.6

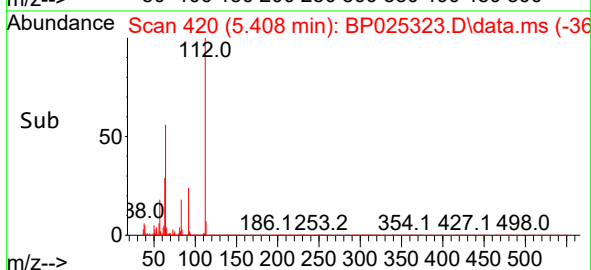
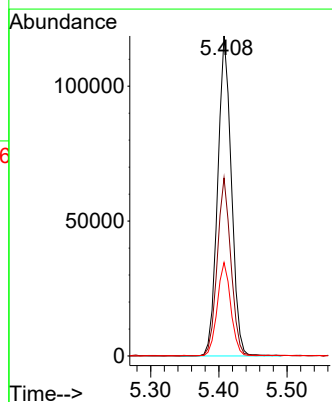
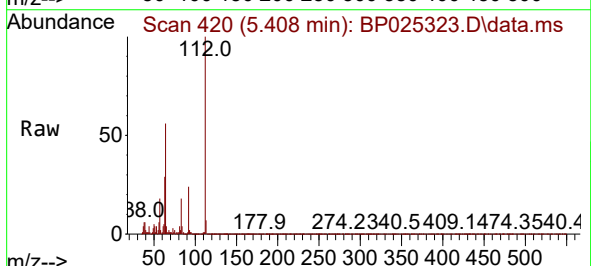
Manual Integrations
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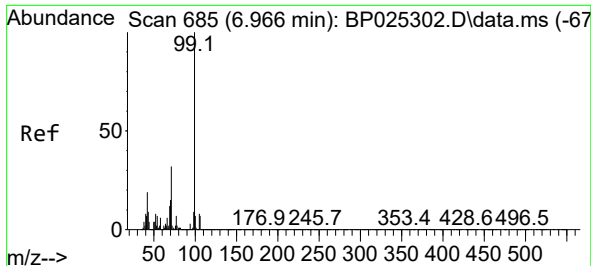
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#5
2-Fluorophenol
Concen: 10.271 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

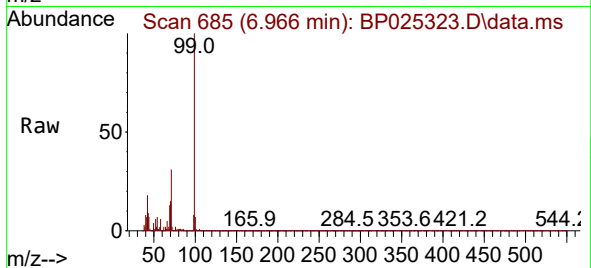
Tgt Ion:112 Resp: 165871
Ion Ratio Lower Upper
112 100
64 55.7 45.3 67.9
63 29.2 23.0 34.6





#7
Phenol-d6
Concen: 10.016 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

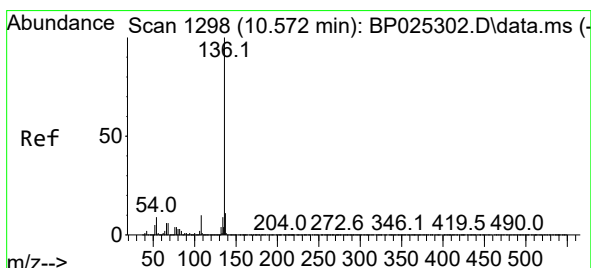
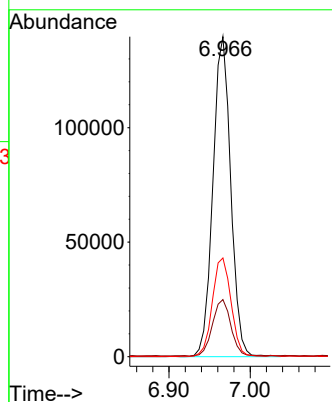
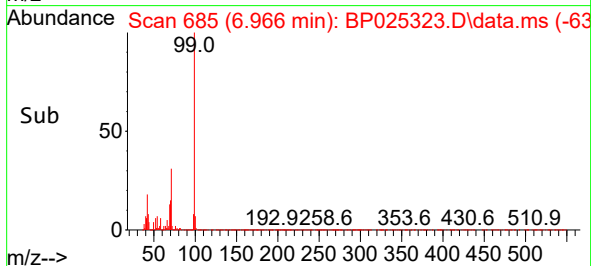
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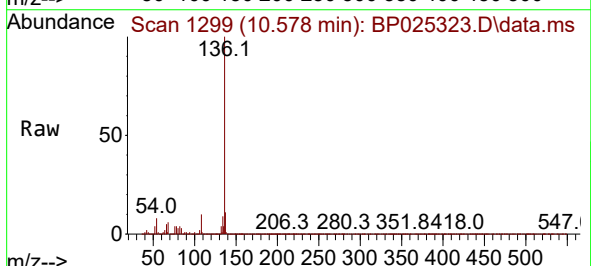
Tgt Ion: 99 Resp: 212870
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.6
71 30.9 25.5 38.3

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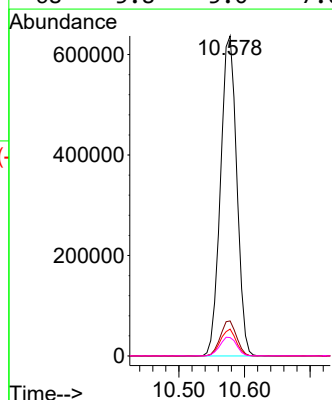
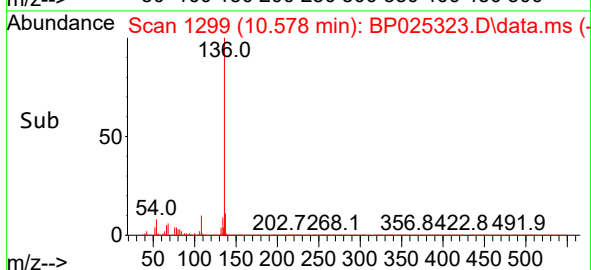
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025

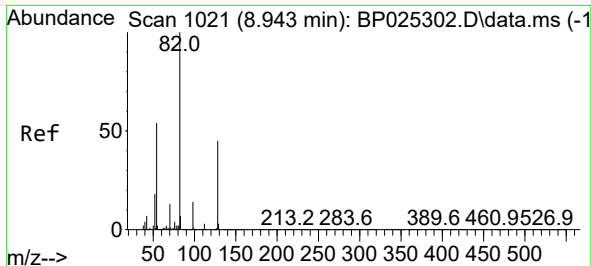


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18



Tgt Ion:136 Resp: 1090785
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.4 7.0 10.6
68 5.8 5.0 7.6





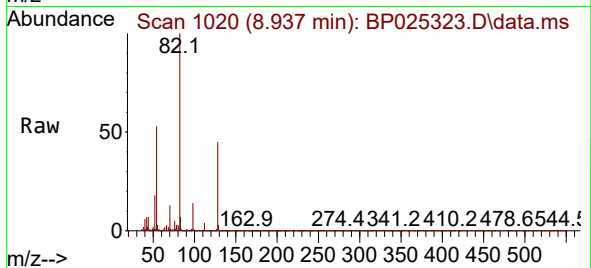
#23
Nitrobenzene-d5
Concen: 6.682 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025



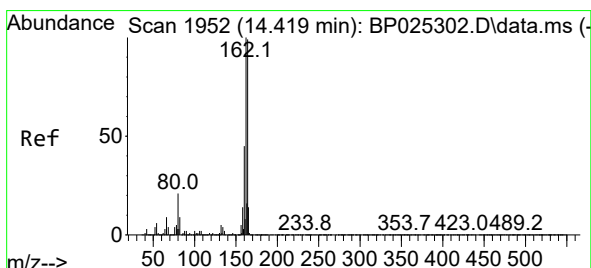
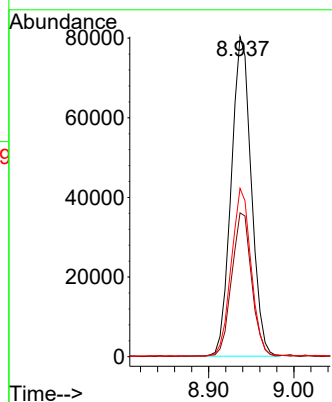
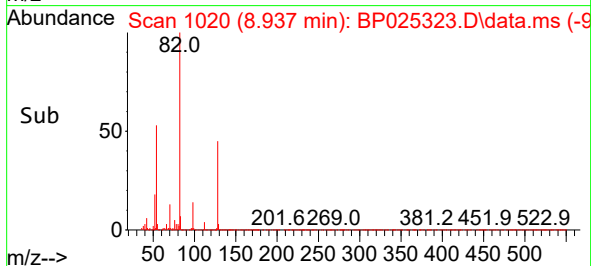
Tgt Ion: 82 Resp: 131552
Ion Ratio Lower Upper
82 100
128 45.0 35.4 53.2
54 52.6 42.9 64.3

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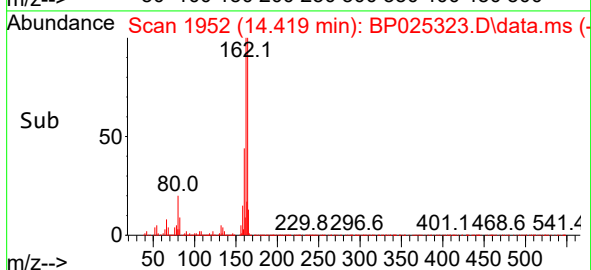
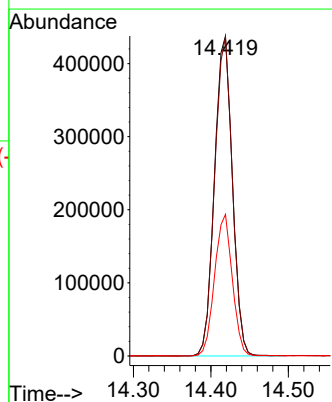
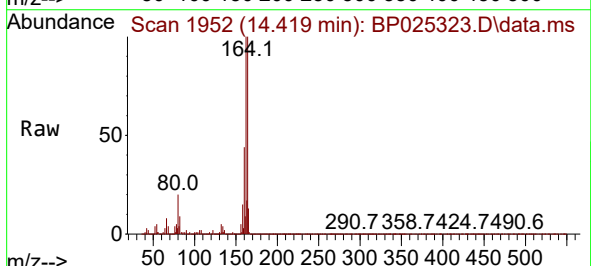
Reviewed By :Rahul Chavli 08/08/2025

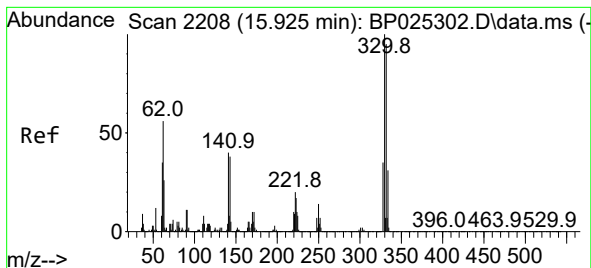
Supervised By :Jagrut Upadhyay 08/11/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

Tgt Ion:164 Resp: 700429
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 44.2 35.9 53.9





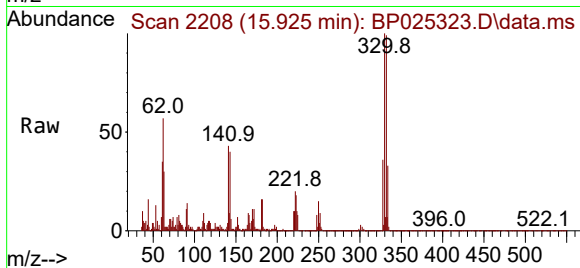
#42
2,4,6-Tribromophenol
Concen: 10.961 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

Instrument :

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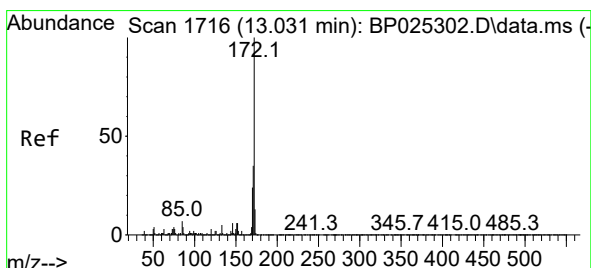
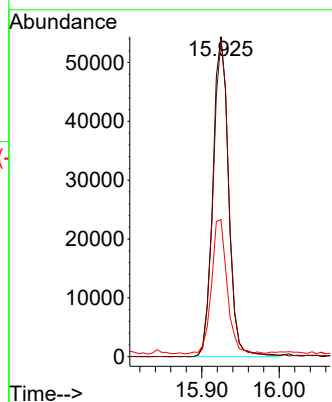
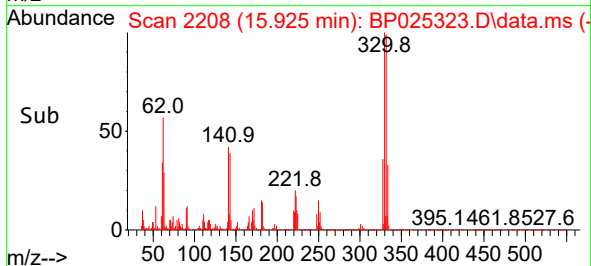
Tgt Ion:330 Resp: 76588
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 41.8 31.7 47.5

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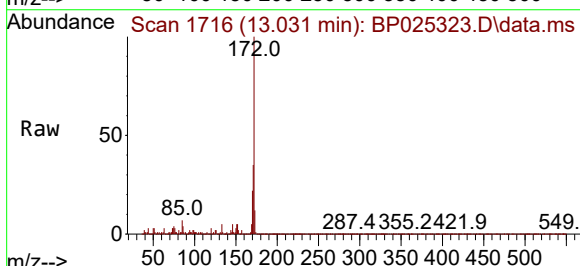
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Reviewed By :Rahul Chavli 08/08/2025

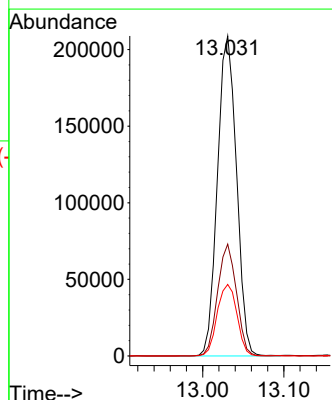
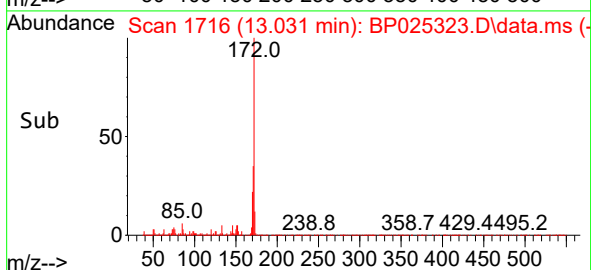
Supervised By :Jagrut Upadhyay 08/11/2025

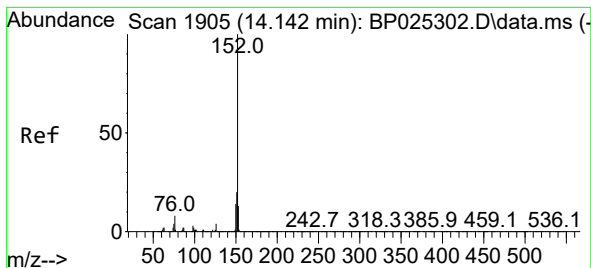


#45
2-Fluorobiphenyl
Concen: 6.730 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18



Tgt Ion:172 Resp: 341265
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 22.3 18.9 28.3





#49

Acenaphthylene

Concen: 2.018 ng

RT: 14.142 min Scan# 1905

Delta R.T. 0.000 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025

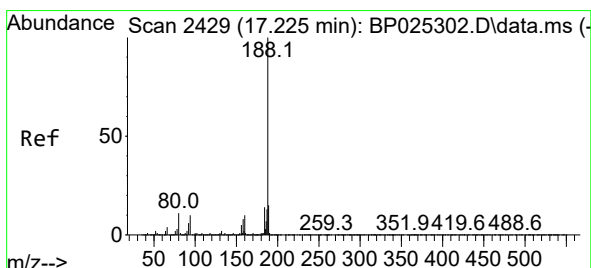
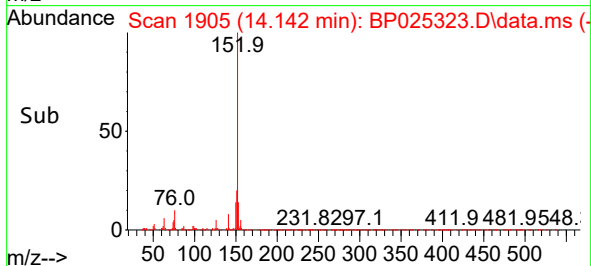
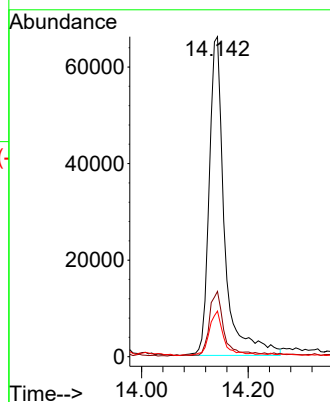
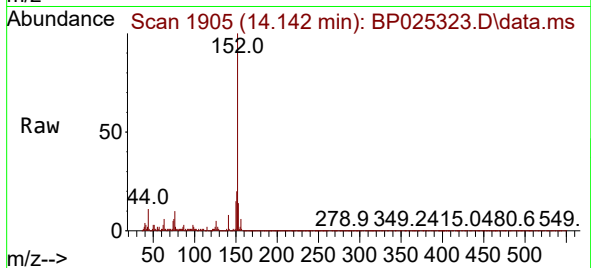
Tgt Ion:152	Resp: 132528
Ion Ratio	Lower Upper
152 100	
151 20.4	15.8 23.6
153 14.2	10.4 15.6

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

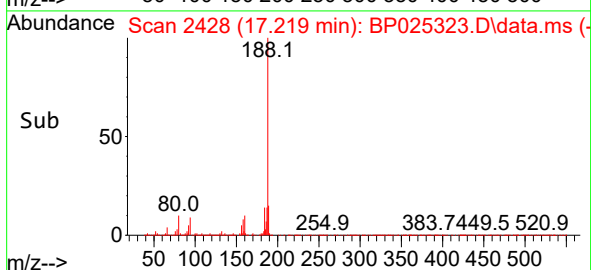
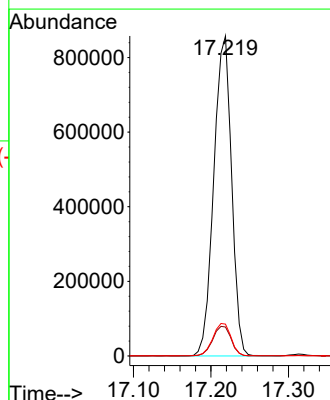
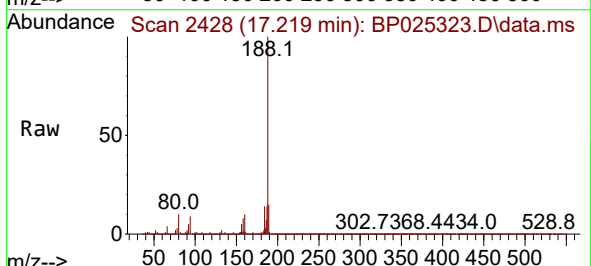
RT: 17.219 min Scan# 2428

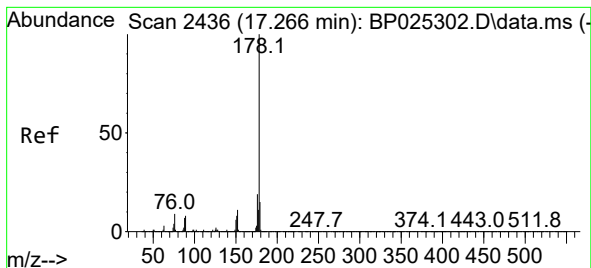
Delta R.T. -0.006 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Tgt Ion:188	Resp: 1364961
Ion Ratio	Lower Upper
188 100	
94 9.1	8.0 12.0
80 10.0	8.5 12.7





#71

Phenanthrene

Concen: 8.523 ng

RT: 17.260 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Instrument :

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ClientSampleId :

OK-01-08062025

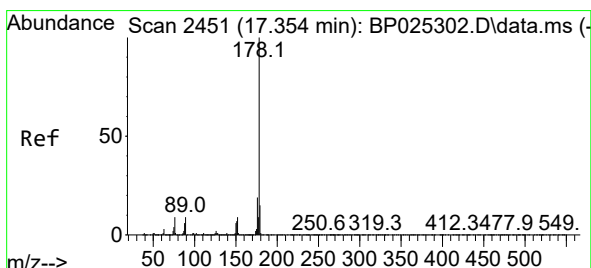
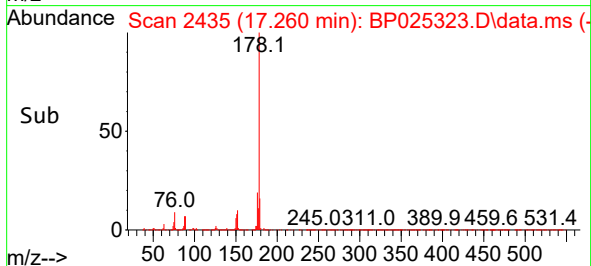
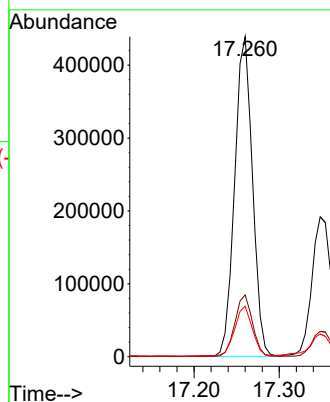
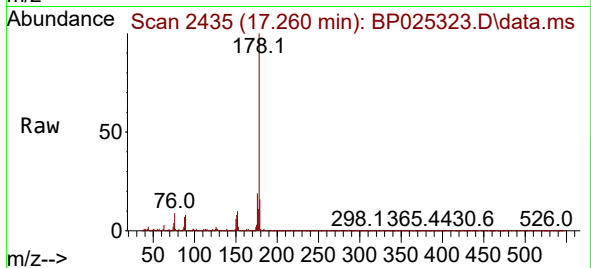
Tgt Ion:178 Resp: 637150
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.7 12.1 18.1

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#72

Anthracene

Concen: 4.008 ng

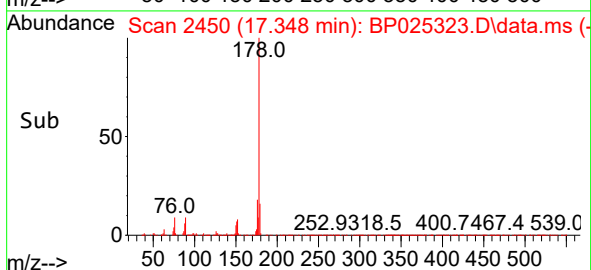
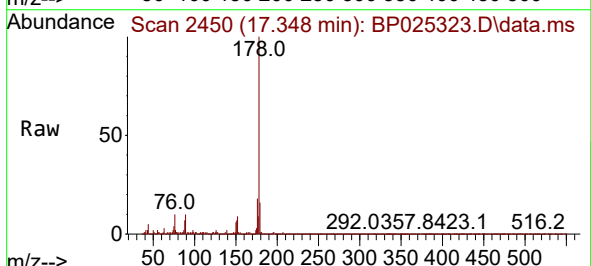
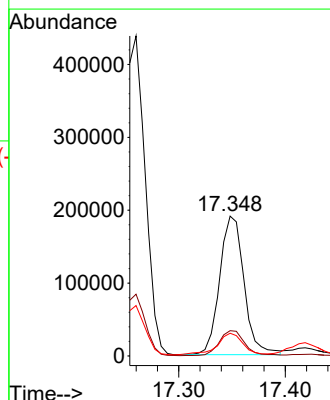
RT: 17.348 min Scan# 2450

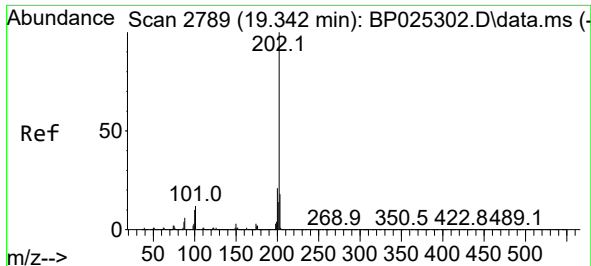
Delta R.T. -0.006 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

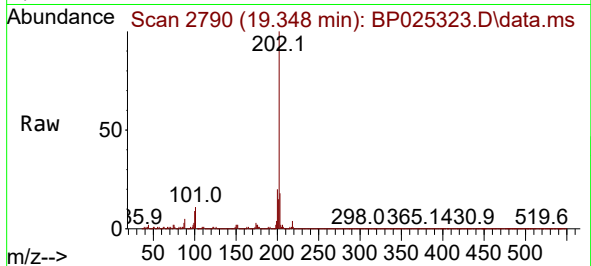
Tgt Ion:178 Resp: 302113
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 16.3 12.3 18.5





#75
Fluoranthene
Concen: 11.746 ng
RT: 19.348 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

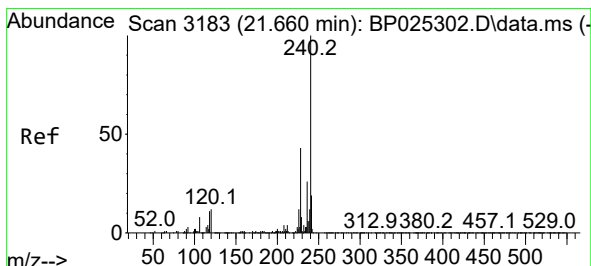
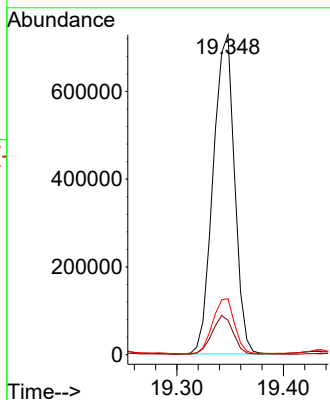
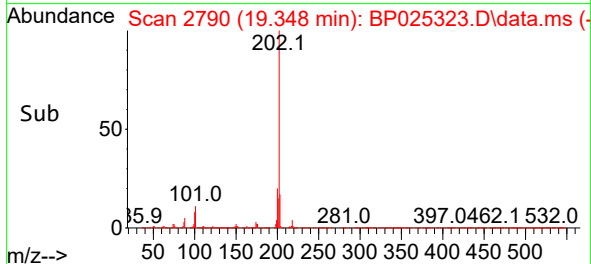
Instrument :
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OK-01-08062025



Tgt Ion:202 Resp: 1016550
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.5
203 17.5 0.0 37.6

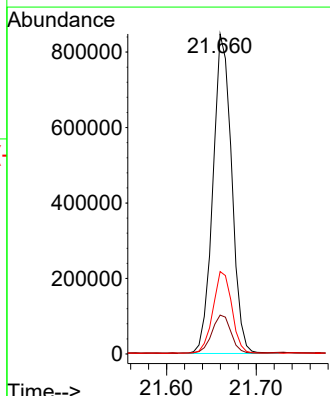
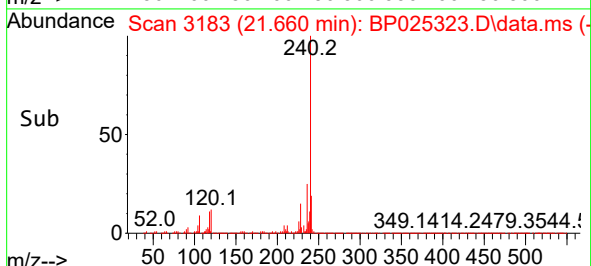
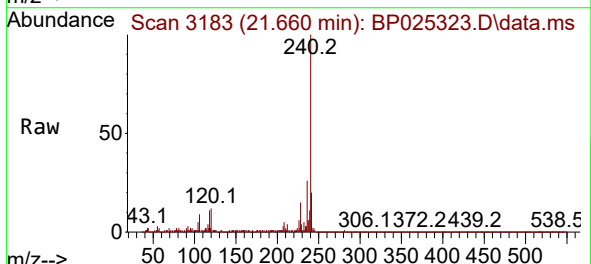
Manual Integrations
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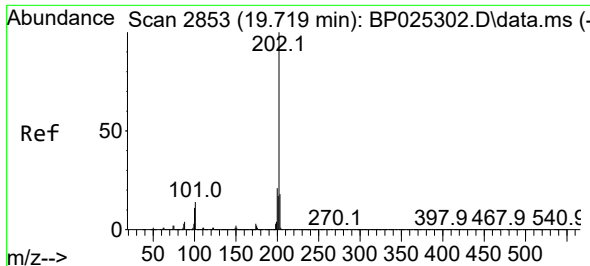
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

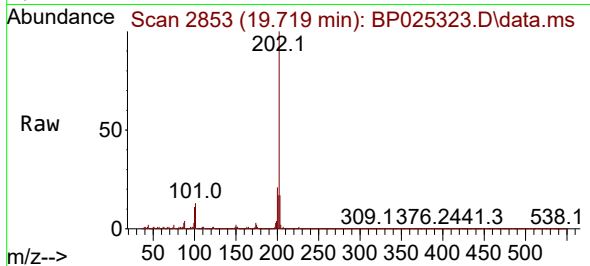
Tgt Ion:240 Resp: 1226410
Ion Ratio Lower Upper
240 100
120 12.2 9.6 14.4
236 25.8 20.4 30.6





#78
Pyrene
Concen: 15.824 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

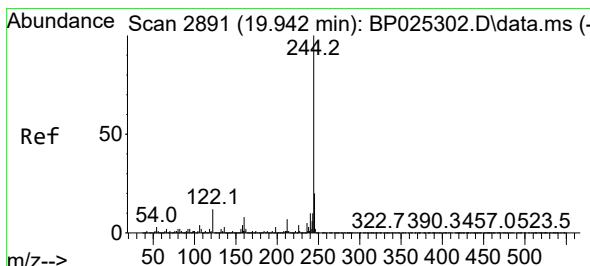
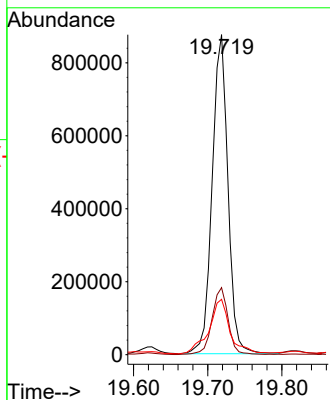
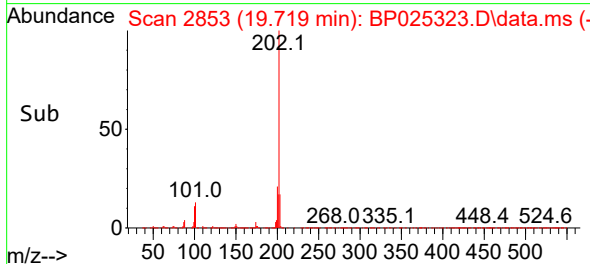
Instrument :
BNA_P
ClientSampleId :
OK-01-08062025



Tgt Ion:202 Resp: 1290544
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.3 14.1 21.1

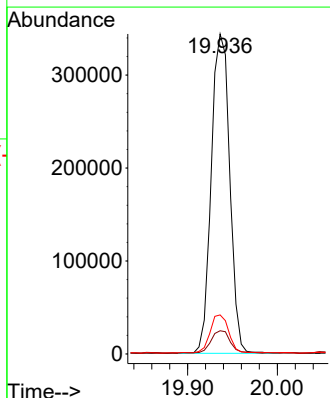
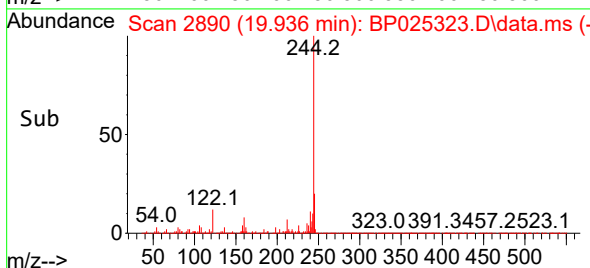
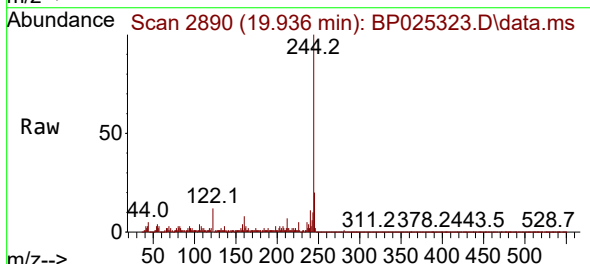
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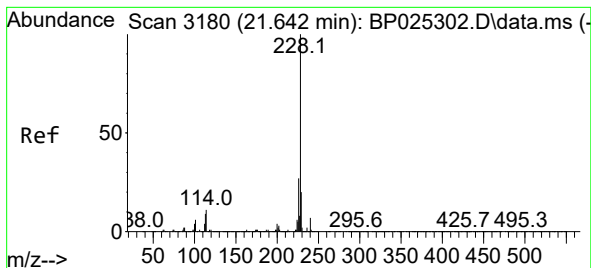
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#79
Terphenyl-d14
Concen: 7.564 ng
RT: 19.936 min Scan# 2890
Delta R.T. -0.006 min
Lab File: BP025323.D
Acq: 07 Aug 2025 21:18

Tgt Ion:244 Resp: 491163
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.2 9.5 14.3





#81

Benzo(a)anthracene

Concen: 7.775 ng m

RT: 21.642 min Scan# 3180

Delta R.T. 0.000 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025

Tgt Ion:228 Resp: 63364

Ion Ratio Lower Upper

228 100

226 29.6 21.8 32.8

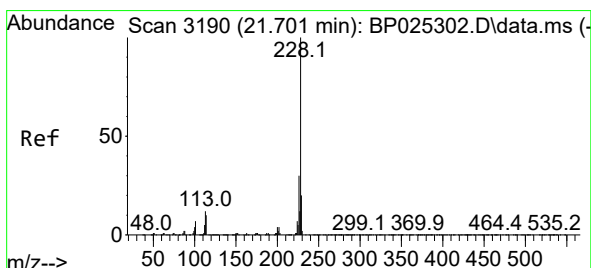
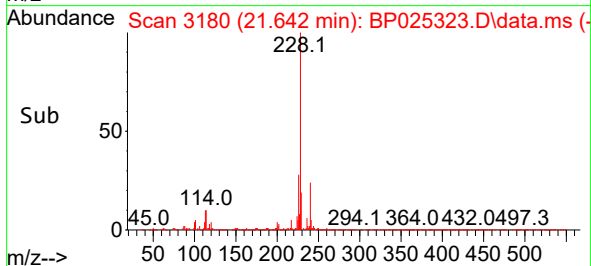
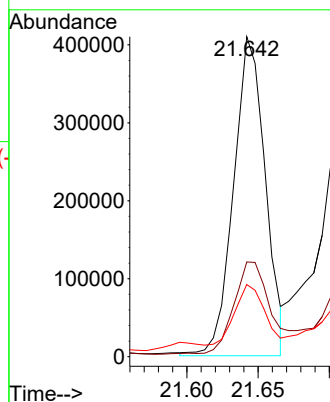
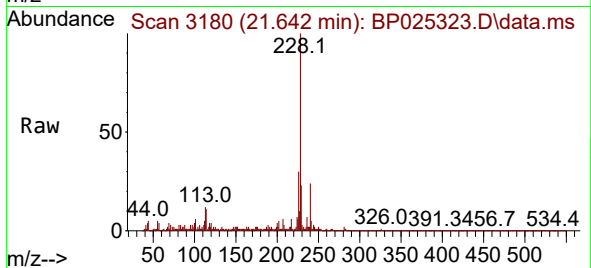
229 22.5 16.0 24.0

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Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#83

Chrysene

Concen: 8.600 ng m

RT: 21.713 min Scan# 3192

Delta R.T. 0.012 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

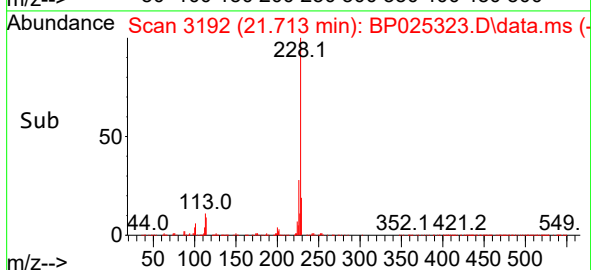
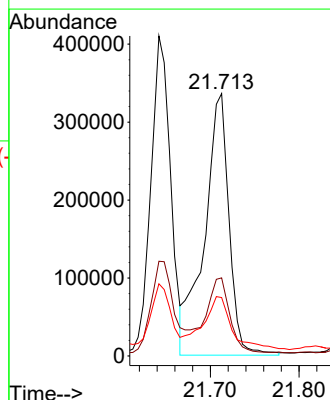
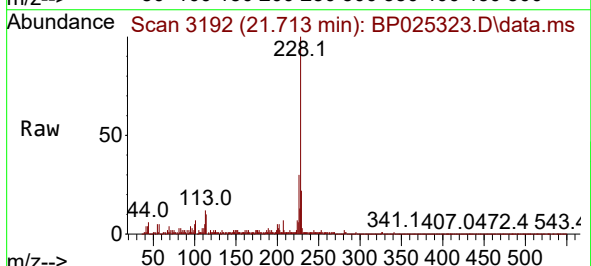
Tgt Ion:228 Resp: 650096

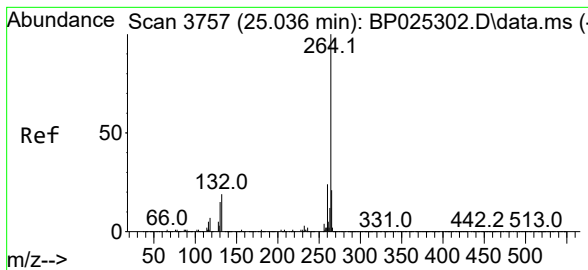
Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 22.3 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.048 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BP025323.D
 Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025

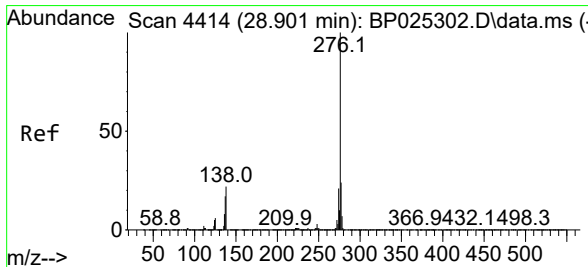
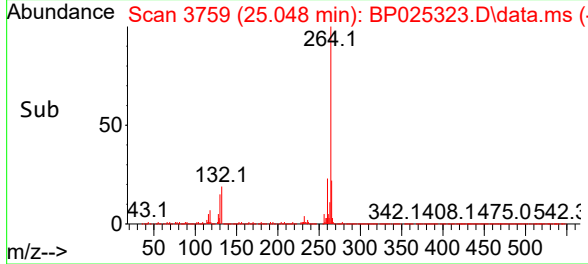
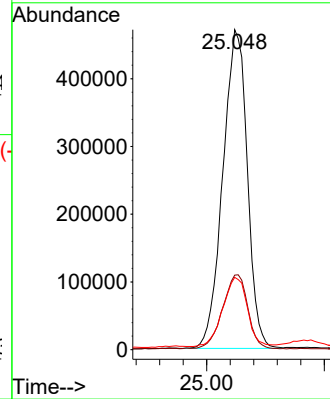
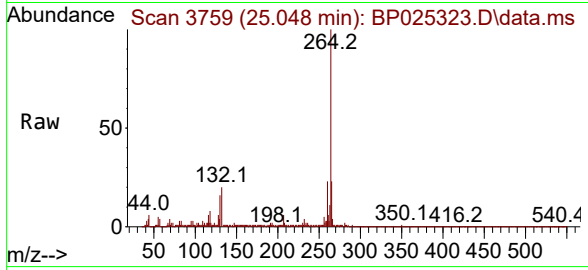
Tgt Ion:264 Resp: 135940
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 22.6 17.1 25.7

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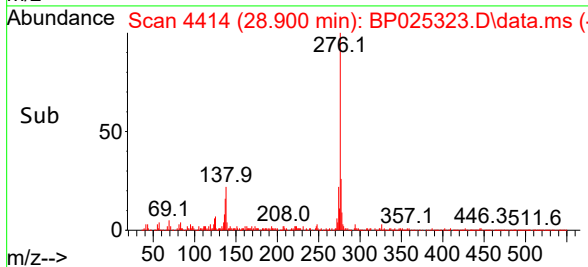
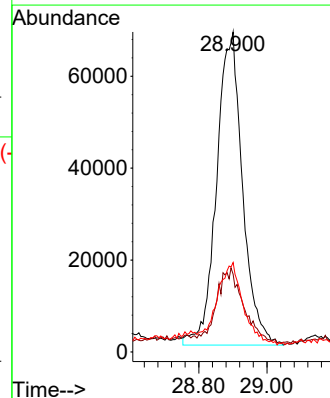
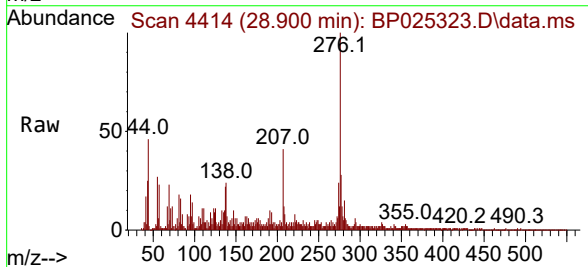
Reviewed By :Rahul Chavli 08/08/2025

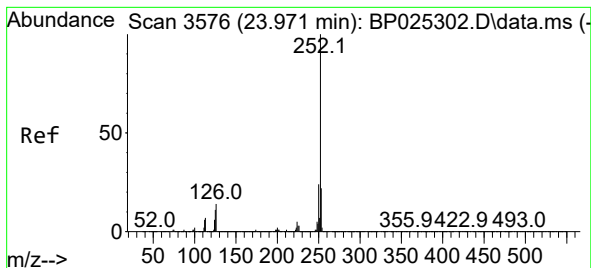
Supervised By :Jagrut Upadhyay 08/11/2025



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.689 ng
 RT: 28.900 min Scan# 4414
 Delta R.T. -0.001 min
 Lab File: BP025323.D
 Acq: 07 Aug 2025 21:18

Tgt Ion:276 Resp: 359476
 Ion Ratio Lower Upper
 276 100
 138 10.4 14.6 22.0#
 277 26.9 16.8 25.2#





#88

Benzo(b)fluoranthene

Concen: 8.439 ng

RT: 23.965 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025

Tgt Ion:252 Resp: 68671

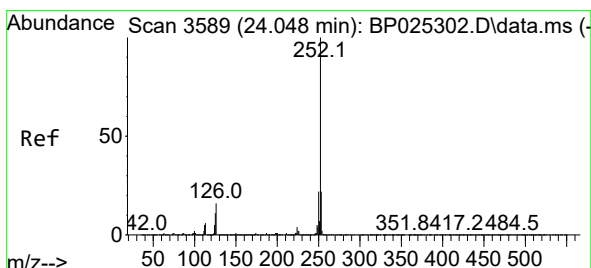
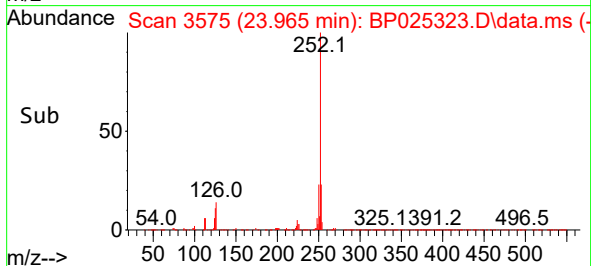
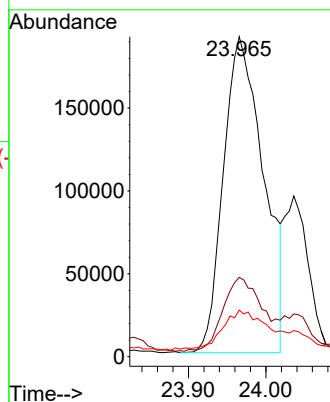
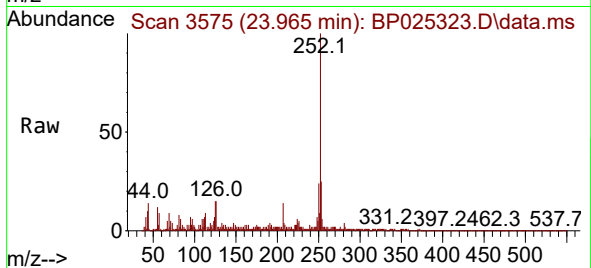
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	14.5	8.5	12.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#89

Benzo(k)fluoranthene

Concen: 2.550 ng m

RT: 24.036 min Scan# 3587

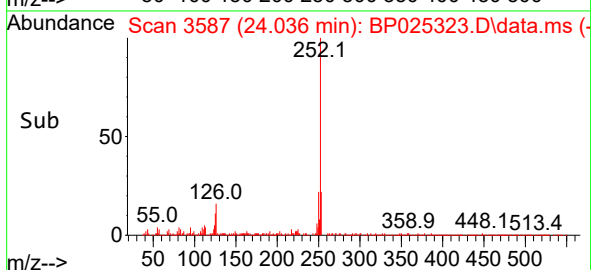
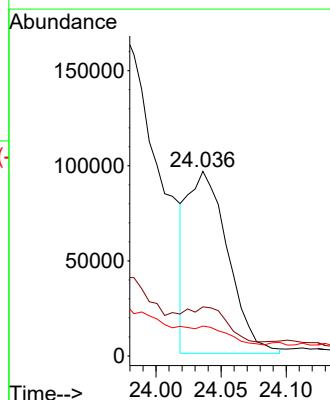
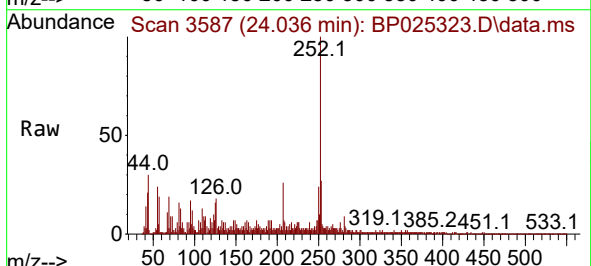
Delta R.T. -0.012 min

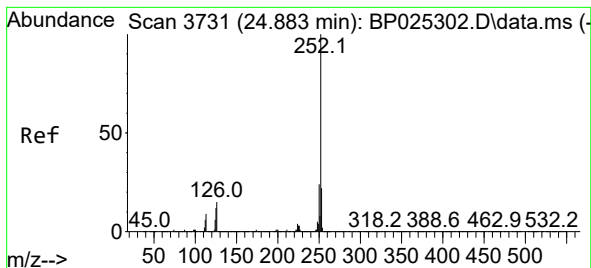
Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Tgt Ion:252 Resp: 205679

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.6	26.4
125	16.2	8.5	12.7





#90

Benzo(a)pyrene

Concen: 7.619 ng

RT: 24.883 min Scan# 3731

Delta R.T. 0.000 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Instrument :

BNA_P

ClientSampleId :

OK-01-08062025

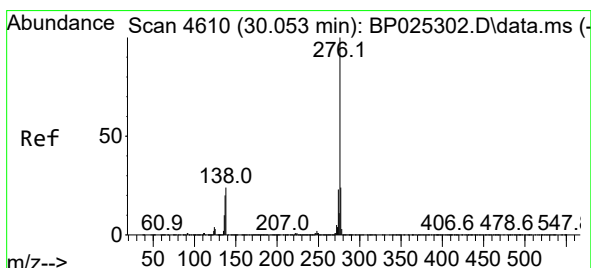
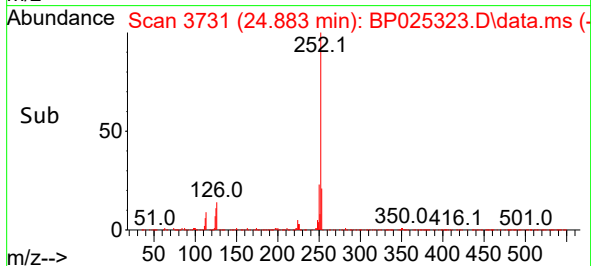
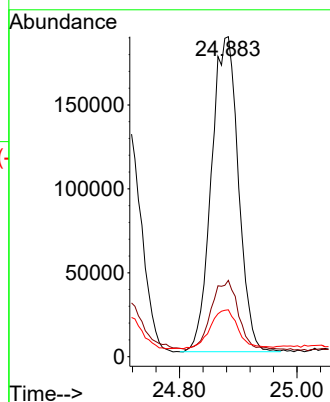
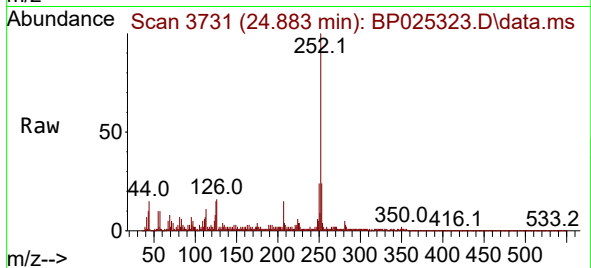
Tgt Ion:252 Resp: 597070
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.6 26.4
 125 14.7 9.4 14.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#92

Benzo(g,h,i)perylene

Concen: 4.562 ng

RT: 30.053 min Scan# 4610

Delta R.T. 0.000 min

Lab File: BP025323.D

Acq: 07 Aug 2025 21:18

Tgt Ion:276 Resp: 357322
 Ion Ratio Lower Upper
 276 100
 277 26.3 19.3 28.9
 138 27.7 19.1 28.7

