

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082825\
 Data File : BP025614.D
 Acq On : 28 Aug 2025 16:39
 Operator : CG/JU
 Sample : Q2971-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/29/2025
 Supervised By :Jagrut Upadhyay 08/29/2025

Quant Time: Aug 28 17:55:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	176367	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	680270	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	428225	20.000	ng	-0.02
64) Phenanthrene-d10	17.183	188	869719	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	986583	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1134368	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	819519	77.167	ng	0.00
7) Phenol-d6	6.960	99	1010917	74.246	ng	0.00
23) Nitrobenzene-d5	8.913	82	628858	46.762	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	442311	76.738	ng	-0.01
45) 2-Fluorobiphenyl	12.995	172	1261091	40.248	ng	-0.02
79) Terphenyl-d14	19.907	244	2240795	41.554	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.230	178	120287	2.518	ng	99
75) Fluoranthene	19.313	202	320617	5.626	ng	99
78) Pyrene	19.689	202	293357	4.575	ng	99
81) Benzo(a)anthracene	21.618	228	201204	3.092	ng	95
83) Chrysene	21.683	228	174531m	2.864	ng	
88) Benzo(b)fluoranthene	23.930	252	206727	3.091	ng	# 94
90) Benzo(a)pyrene	24.836	252	157094	2.413	ng	# 93

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

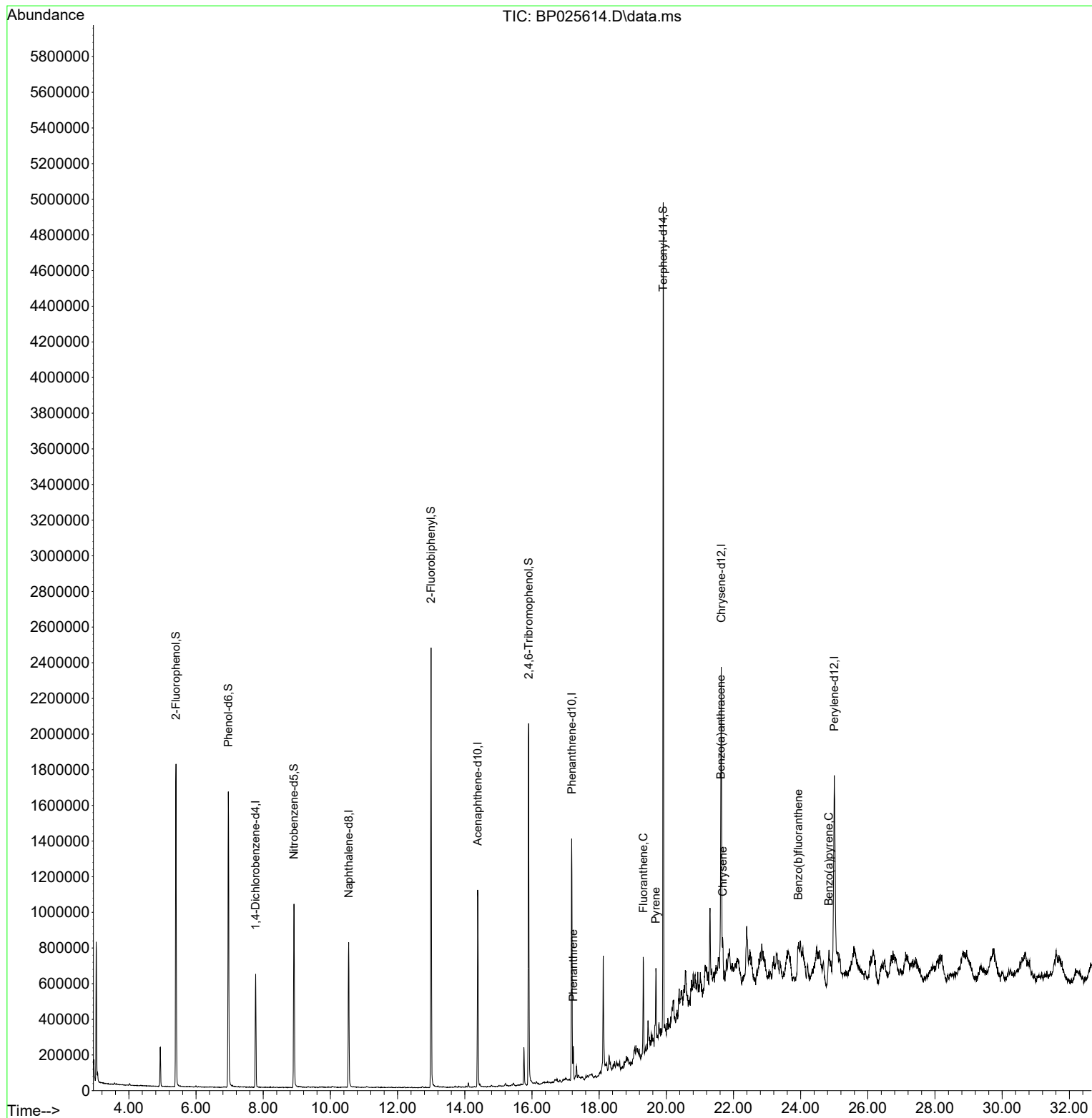
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082825\
Data File : BP025614.D
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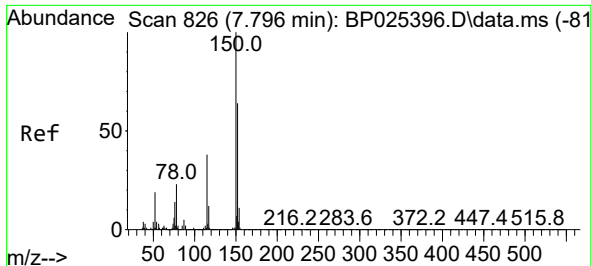
Instrument :
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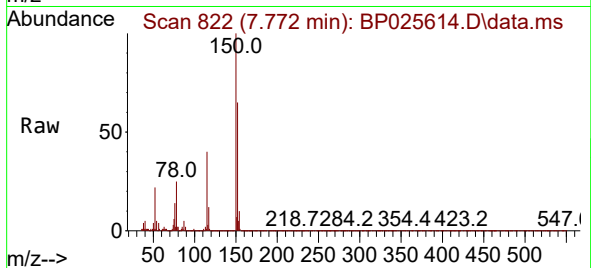
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Supervised By :Jagrut Upadhyay 08/29/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.772 min Scan# 81
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

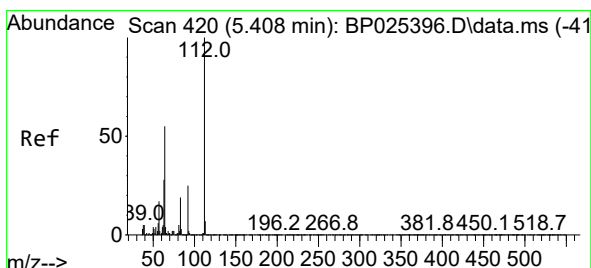
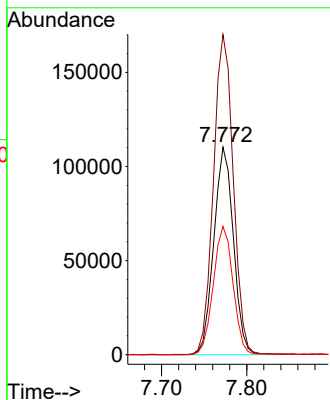
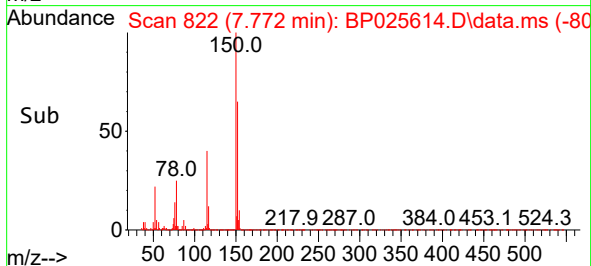
Instrument :
BNA_P
ClientSampleId :
TP5



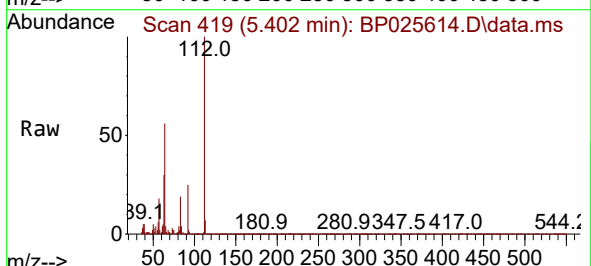
Tgt Ion:152 Resp: 17636
Ion Ratio Lower Upper
152 100
150 154.2 125.9 188.9
115 61.8 48.5 72.7

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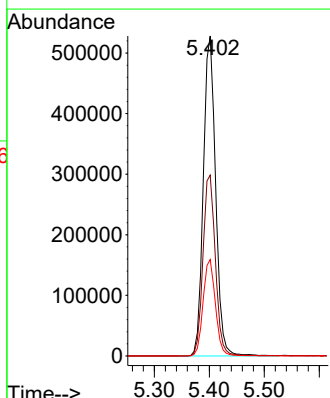
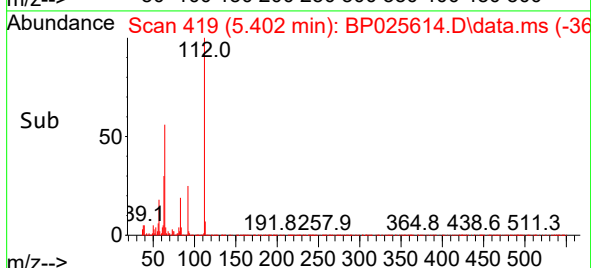
Reviewed By :Rahul Chavli 08/29/2025
Supervised By :Jagrut Upadhyay 08/29/2025

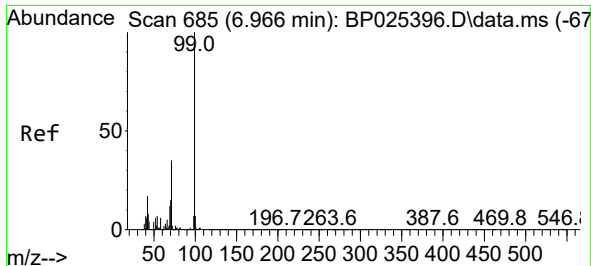


#5
2-Fluorophenol
Concen: 77.167 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39



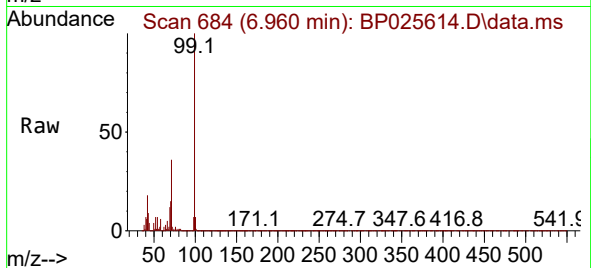
Tgt Ion:112 Resp: 819519
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.2 22.7 34.1





#7
Phenol-d6
Concen: 74.246 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

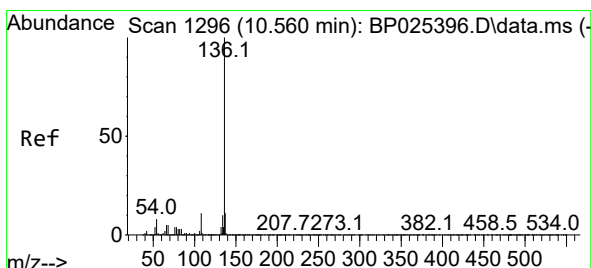
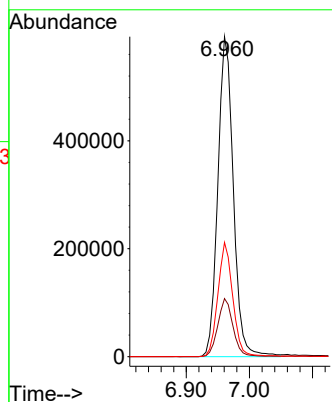
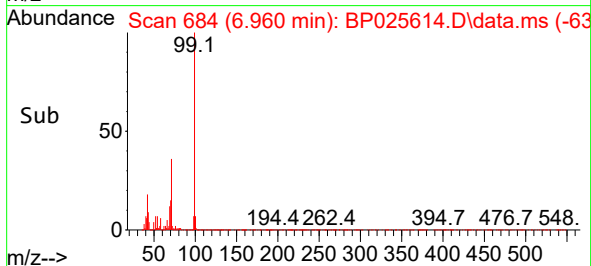
Instrument :
BNA_P
ClientSampleId :
TP5



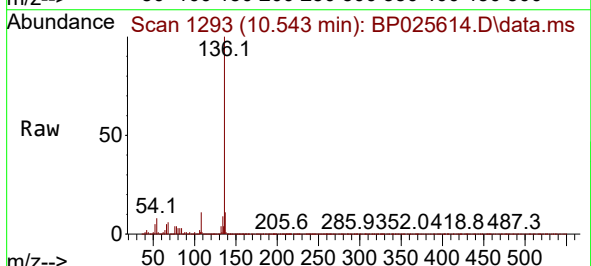
Tgt Ion: 99 Resp: 101091
Ion Ratio Lower Upper
99 100
42 18.1 13.7 20.5
71 35.7 28.2 42.4

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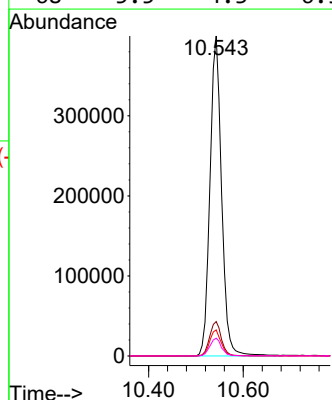
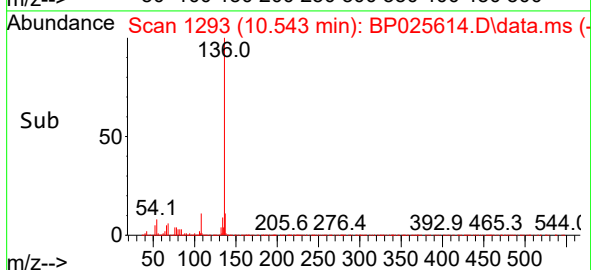
Reviewed By :Rahul Chavli 08/29/2025
Supervised By :Jagrut Upadhyay 08/29/2025

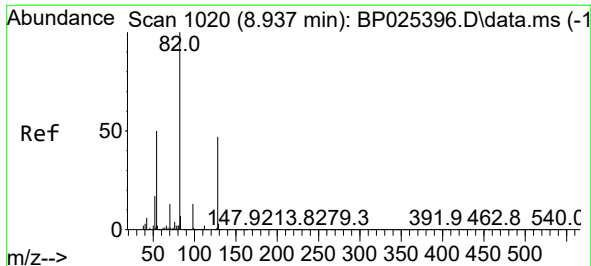


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39



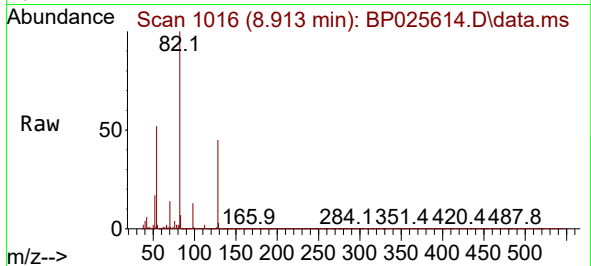
Tgt Ion:136 Resp: 680270
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.2 6.0 9.0
68 5.5 4.3 6.5





#23
Nitrobenzene-d5
Concen: 46.762 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

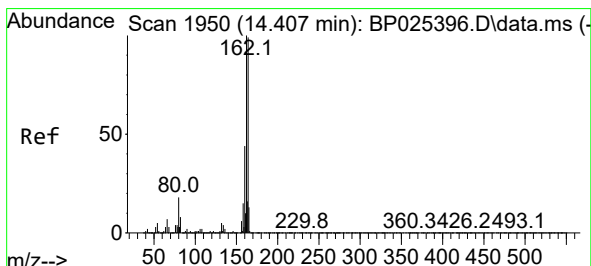
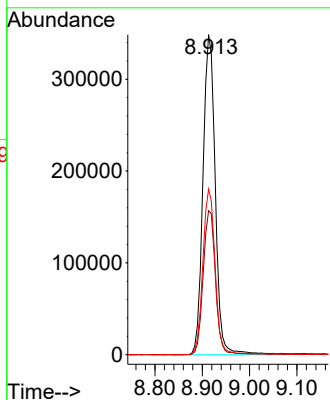
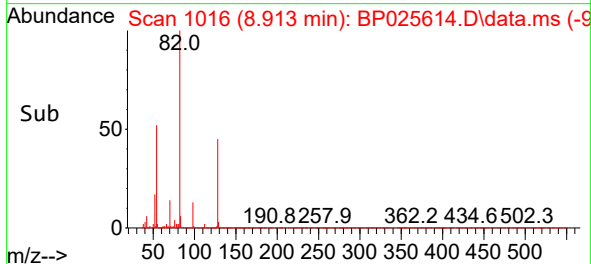
Instrument :
BNA_P
ClientSampleId :
TP5



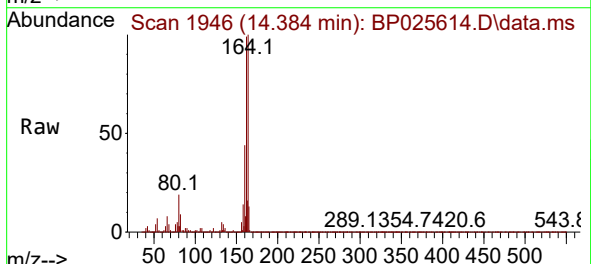
Tgt Ion: 82 Resp: 62885
Ion Ratio Lower Upper
82 100
128 45.0 37.7 56.5
54 51.8 39.8 59.6

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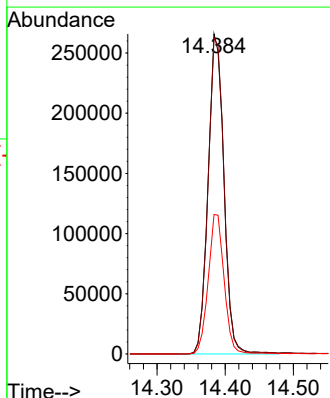
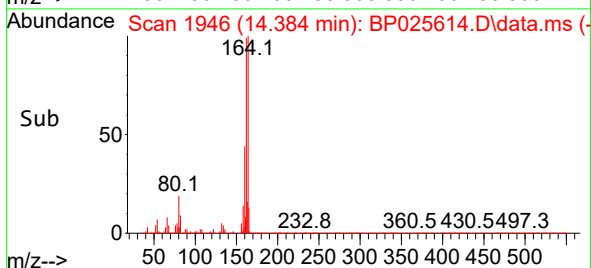
Reviewed By :Rahul Chavli 08/29/2025
Supervised By :Jagrut Upadhyay 08/29/2025

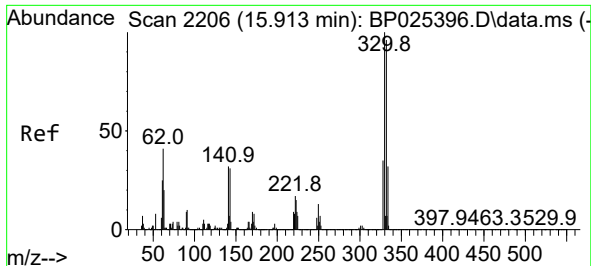


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39



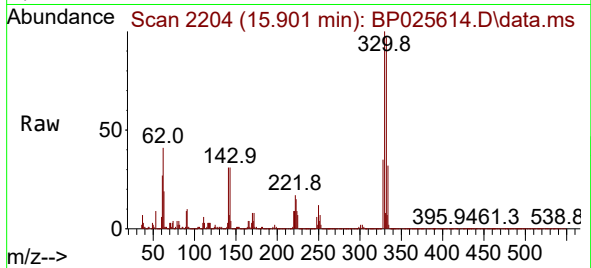
Tgt Ion:164 Resp: 428225
Ion Ratio Lower Upper
164 100
162 98.8 81.0 121.6
160 43.6 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 76.738 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

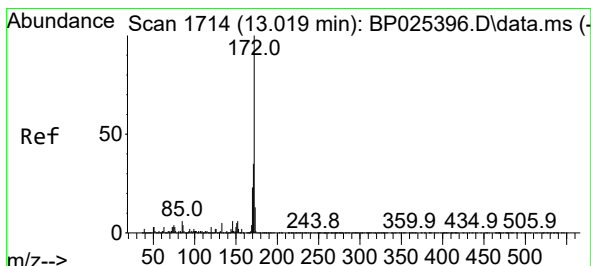
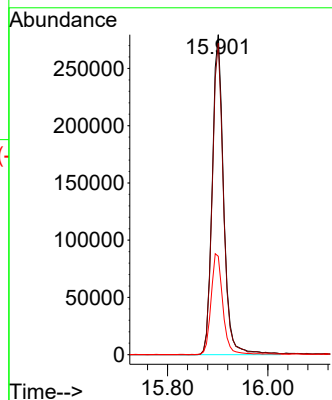
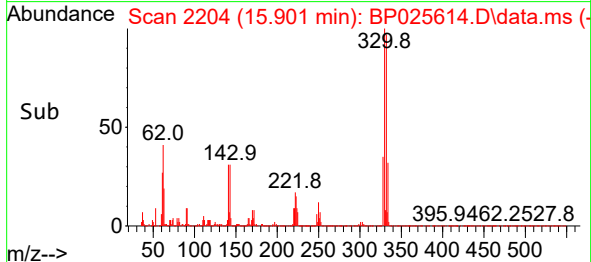
Instrument :
BNA_P
ClientSampleId :
TP5



Tgt Ion:330 Resp: 44231
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 32.5 26.6 39.8

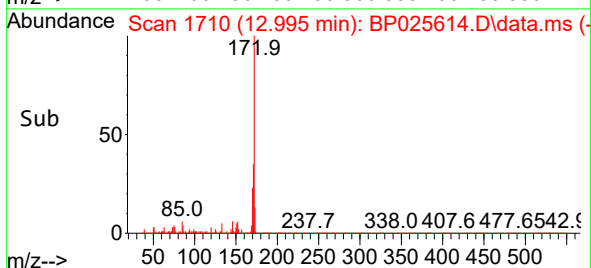
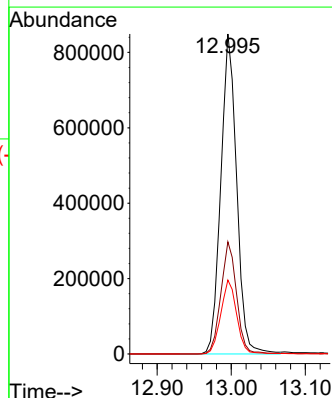
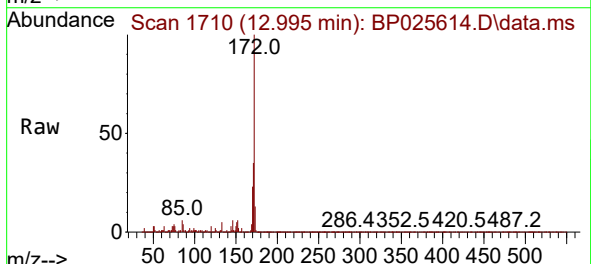
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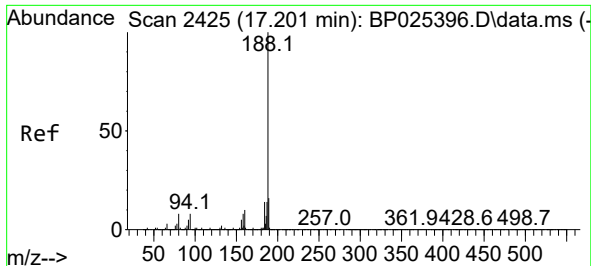
Reviewed By :Rahul Chavli 08/29/2025
Supervised By :Jagrut Upadhyay 08/29/2025



#45
2-Fluorobiphenyl
Concen: 40.248 ng
RT: 12.995 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:172 Resp: 1261091
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.1 18.6 28.0





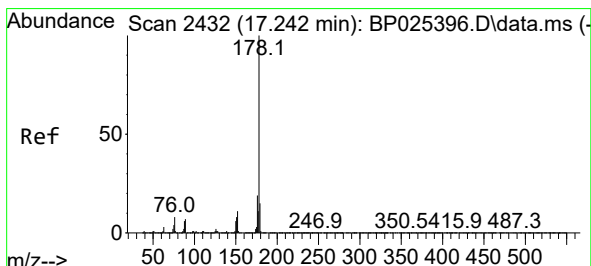
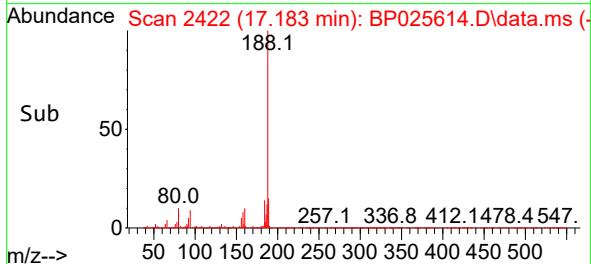
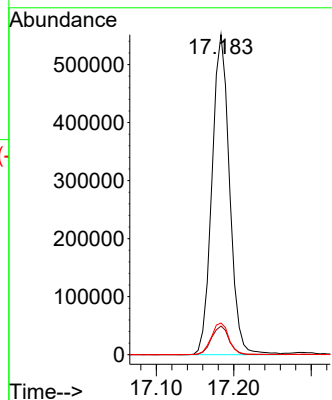
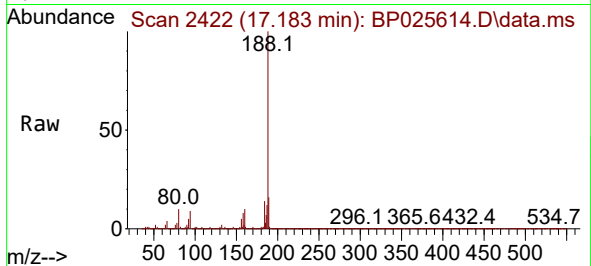
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2425
Delta R.T. -0.018 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Instrument :
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TP5

Tgt Ion:188 Resp: 869719
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.9 6.7 10.1

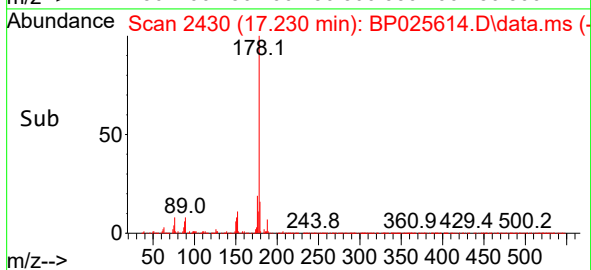
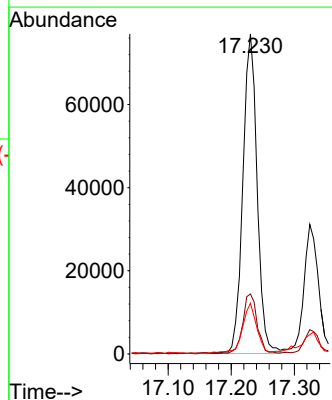
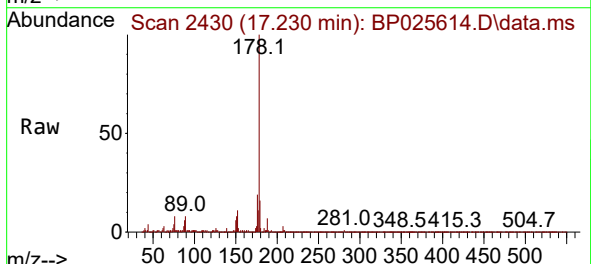
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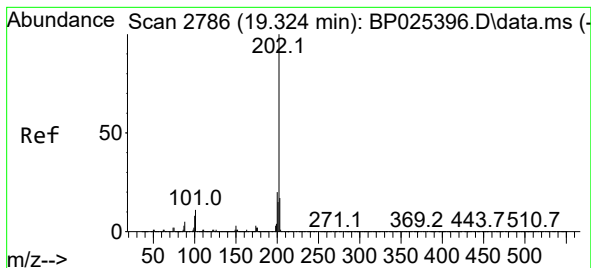
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Supervised By :Jagrut Upadhyay 08/29/2025



#71
Phenanthrene
Concen: 2.518 ng
RT: 17.230 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:178 Resp: 120287
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 5.626 ng

RT: 19.313 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5

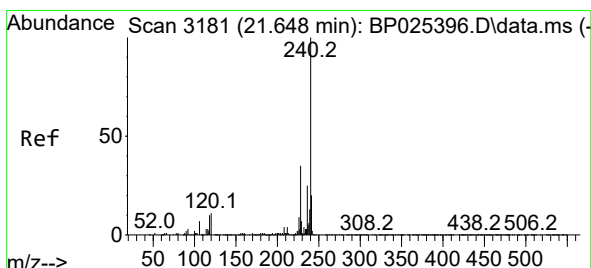
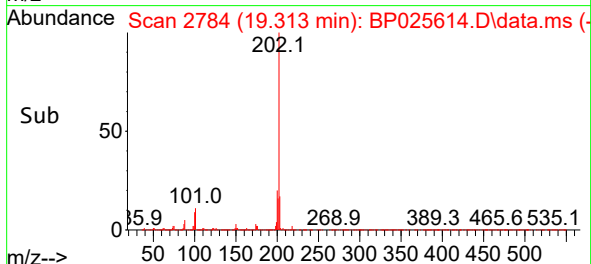
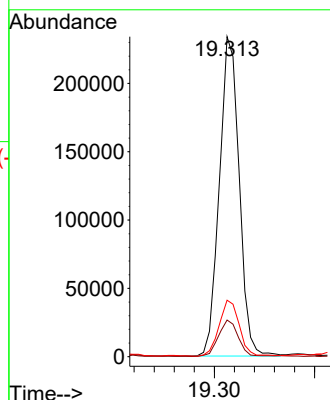
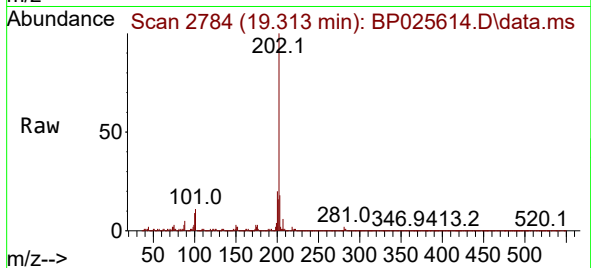
Tgt Ion:	202	Resp:	32061
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.1
203	17.7	0.0	37.3

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#76

Chrysene-d12

Concen: 20.000 ng

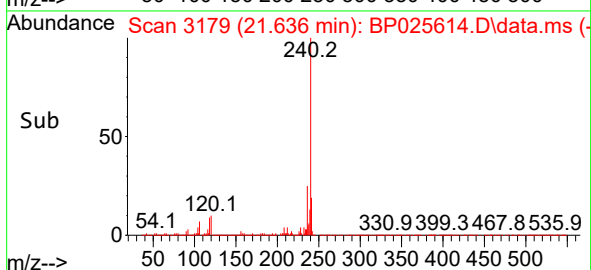
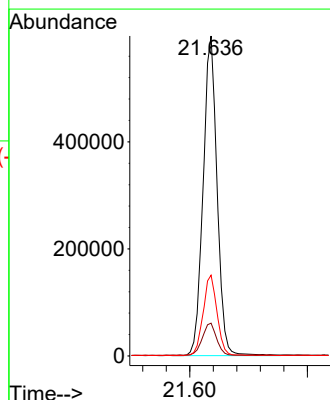
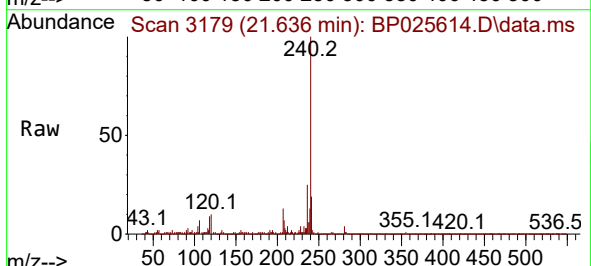
RT: 21.636 min Scan# 3179

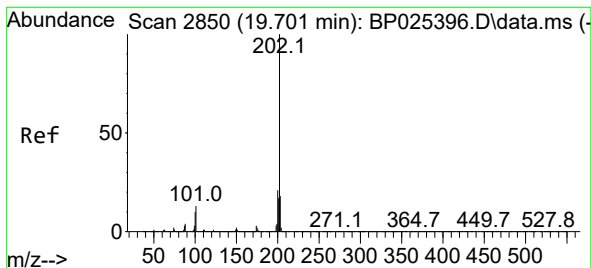
Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Tgt Ion:	240	Resp:	986583
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.9	13.3
236	25.2	19.8	29.8





#78

Pyrene

Concen: 4.575 ng

RT: 19.689 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

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TP5

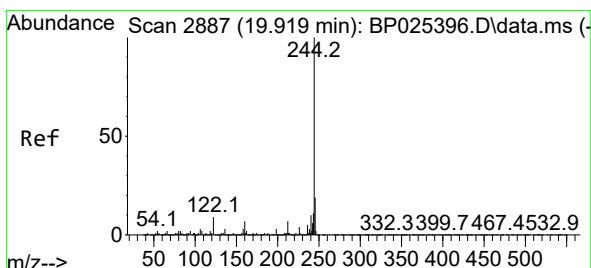
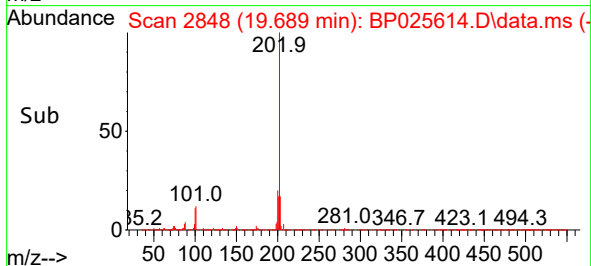
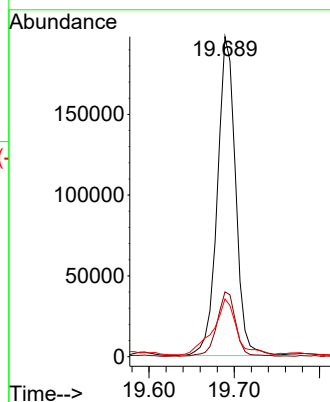
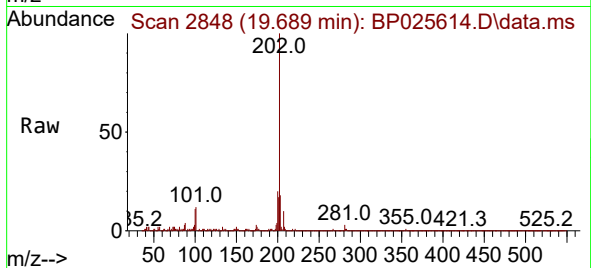
Tgt Ion:202 Resp: 29335
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.9 25.3
 203 18.0 14.2 21.2

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Supervised By :Jagrut Upadhyay 08/29/2025



#79

Terphenyl-d14

Concen: 41.554 ng

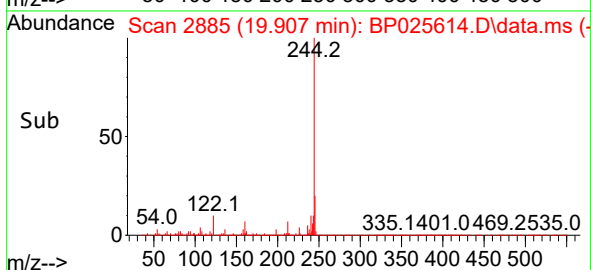
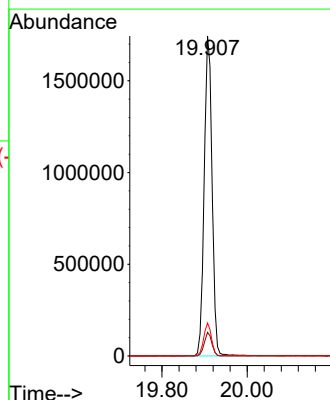
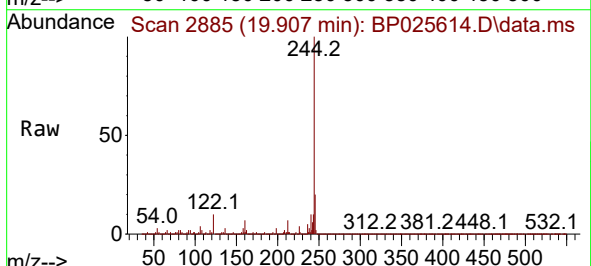
RT: 19.907 min Scan# 2885

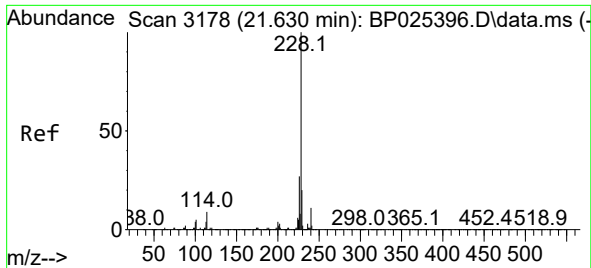
Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

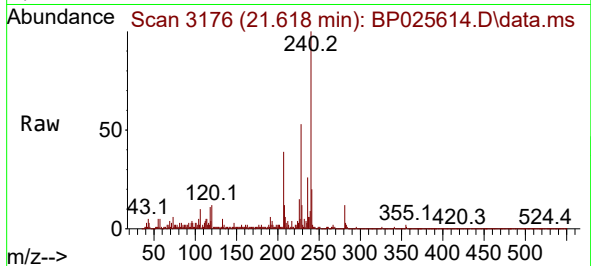
Tgt Ion:244 Resp: 2240795
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.3 7.4 11.2





#81
Benzo(a)anthracene
Concen: 3.092 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

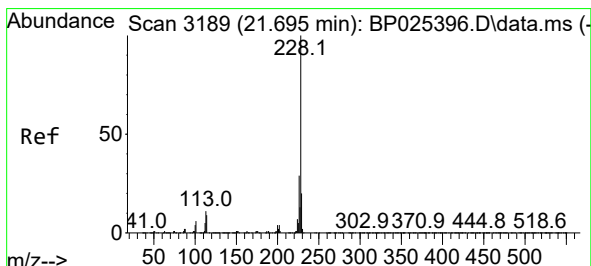
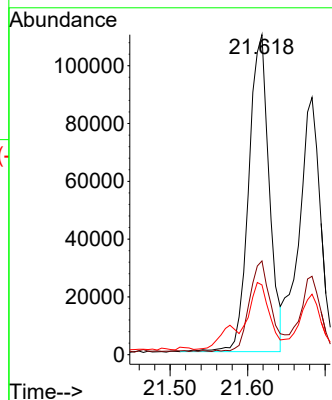
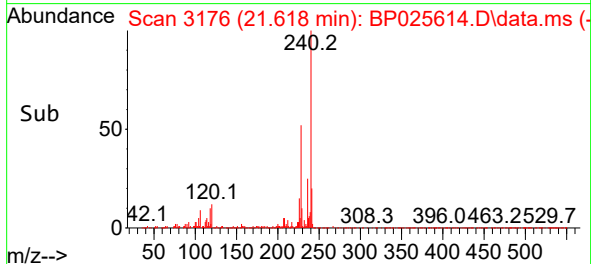
Instrument :
BNA_P
ClientSampleId :
TP5



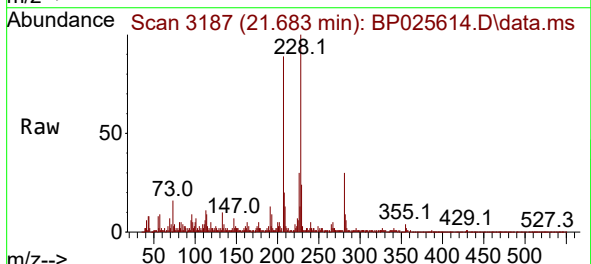
Tgt Ion:228 Resp: 201204
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 21.8 15.6 23.4

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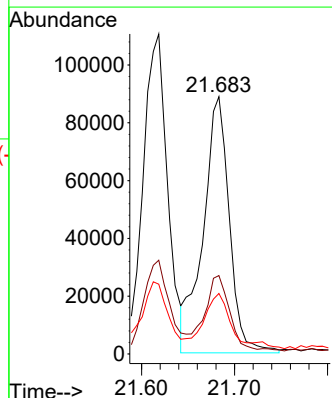
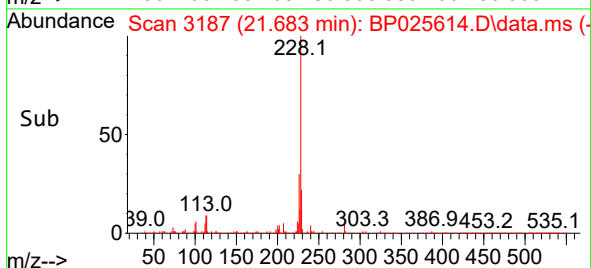
Reviewed By :Rahul Chavli 08/29/2025
Supervised By :Jagrut Upadhyay 08/29/2025

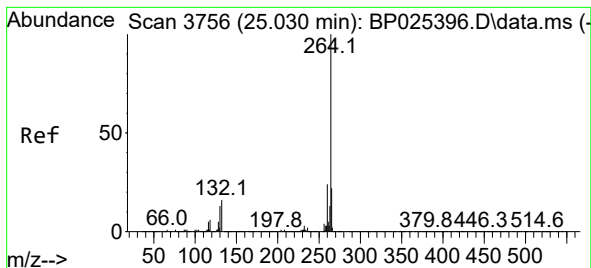


#83
Chrysene
Concen: 2.864 ng m
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39



Tgt Ion:228 Resp: 174531
Ion Ratio Lower Upper
228 100
226 30.5 23.2 34.8
229 23.5 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5

Tgt Ion:264 Resp: 113436

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

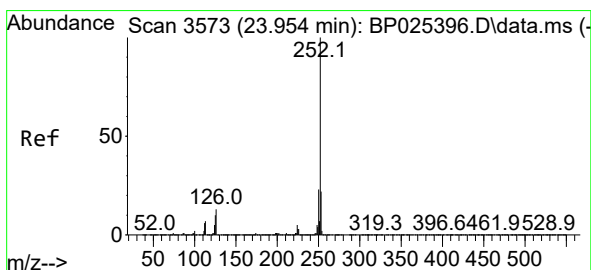
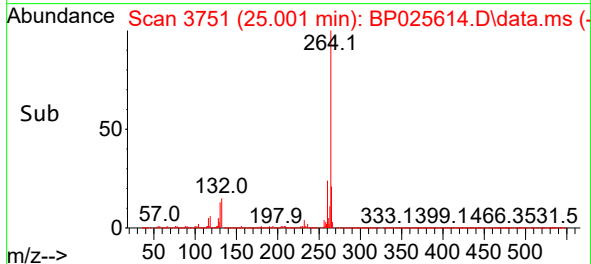
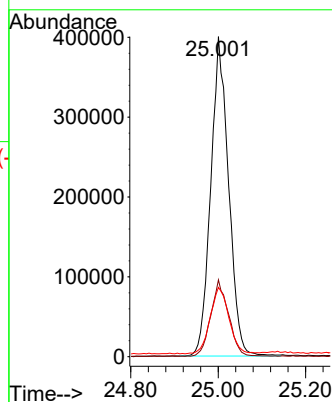
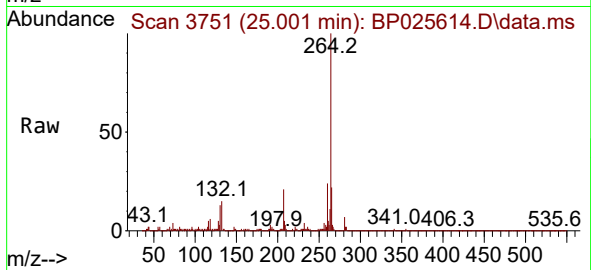
265 21.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/29/2025

Supervised By :Jagrut Upadhyay 08/29/2025



#88

Benzo(b)fluoranthene

Concen: 3.091 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.024 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

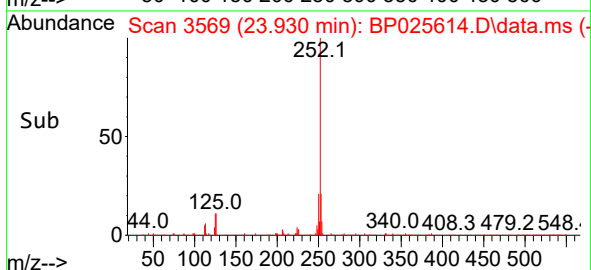
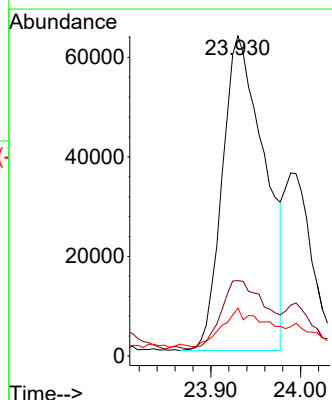
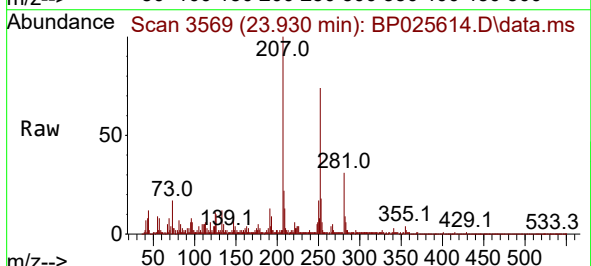
Tgt Ion:252 Resp: 206727

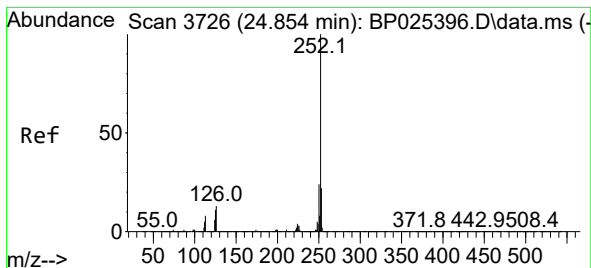
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 14.9 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 2.413 ng

RT: 24.836 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025614.D

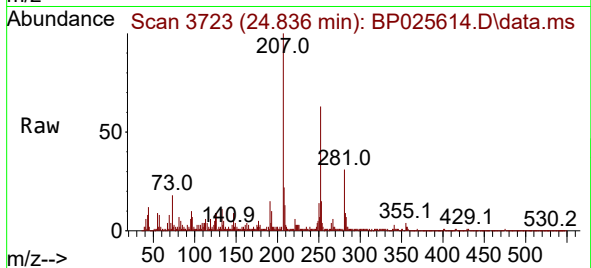
Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5



Tgt Ion:252 Resp: 157094

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/29/2025

Supervised By :Jagrut Upadhyay 08/29/2025

