

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025557.D
 Acq On : 22 Aug 2025 20:24
 Operator : CG/JU
 Sample : Q2917-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-082025

Quant Time: Aug 25 01:19:53 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

Manual Integrations
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Reviewed By :Rahul
 Chavli

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/25/2025
1) 1,4-Dichlorobenzene-d4	7.778	152	197250	20.000	ng	-0.02	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.543	136	784325	20.000	ng	-0.02	
39) Acenaphthene-d10	14.395	164	511472	20.000	ng	-0.01	
64) Phenanthrene-d10	17.195	188	1022068	20.000	ng	0.00	
76) Chrysene-d12	21.636	240	1044043	20.000	ng	-0.01	
86) Perylene-d12	25.006	264	1205992	20.000	ng	-0.02	08/25/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.396	112	145749	12.271	ng	-0.01	
7) Phenol-d6	6.960	99	187615	12.320	ng	0.00	
23) Nitrobenzene-d5	8.919	82	113999	7.352	ng	-0.02	
42) 2,4,6-Tribromophenol	15.913	330	79143	11.496	ng	0.00	
45) 2-Fluorobiphenyl	13.001	172	291565	7.791	ng	-0.02	
79) Terphenyl-d14	19.907	244	488677	8.564	ng	-0.01	
Target Compounds							Qvalue
49) Acenaphthylene	14.113	152	97799	2.044	ng		99
71) Phenanthrene	17.236	178	410958	7.320	ng		99
72) Anthracene	17.325	178	151387	2.640	ng		99
75) Fluoranthene	19.324	202	793973	11.855	ng		99
78) Pyrene	19.701	202	852220	12.559	ng		99
81) Benzo(a)anthracene	21.618	228	424098	6.159	ng		92
83) Chrysene	21.683	228	415746	6.447	ng		96
87) Indeno(1,2,3-cd)pyrene	28.806	276	331635	3.750	ng	#	91
88) Benzo(b)fluoranthene	23.930	252	593436	8.345	ng	#	94
89) Benzo(k)fluoranthene	23.995	252	176516m	2.480	ng		
90) Benzo(a)pyrene	24.830	252	463625	6.697	ng		94
92) Benzo(g,h,i)perylene	29.989	276	336261	4.733	ng		97

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

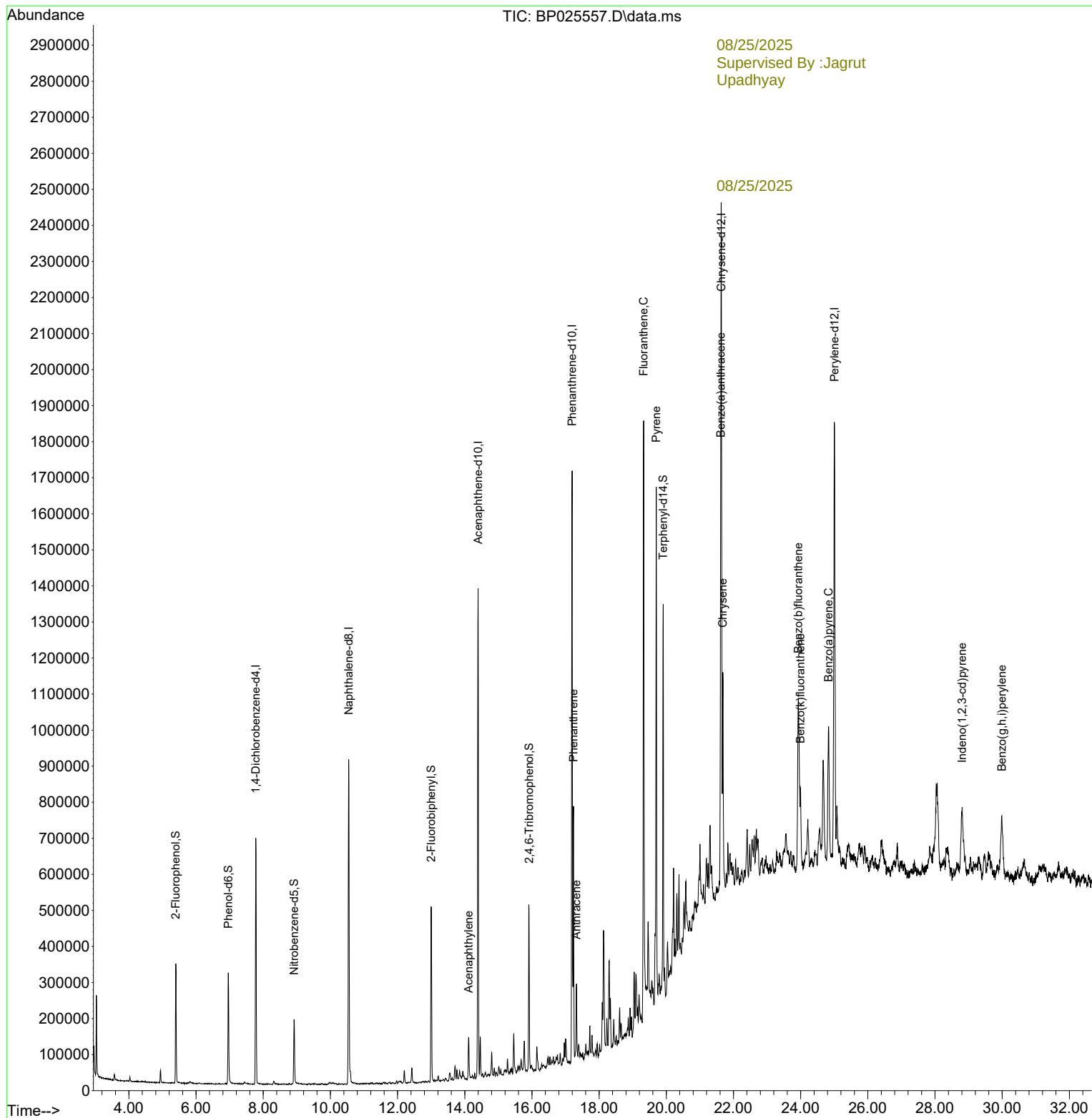
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025557.D
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Operator : CG/JU
Sample : Q2917-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

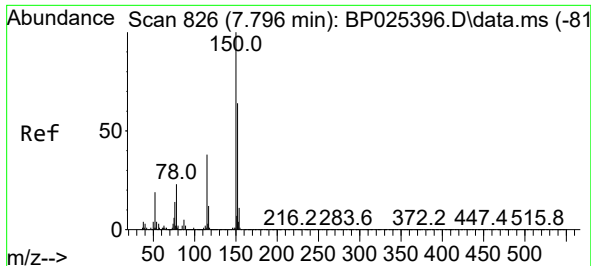
Instrument :
BNA_P
ClientSampleId :
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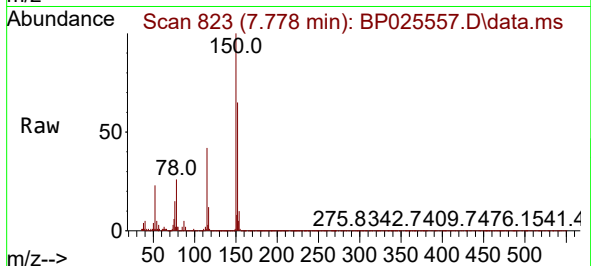
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

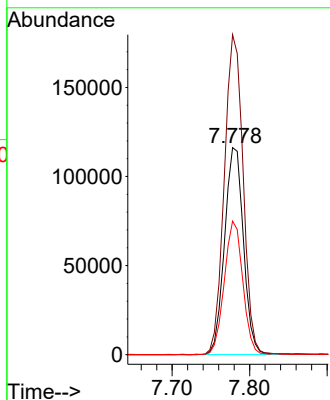
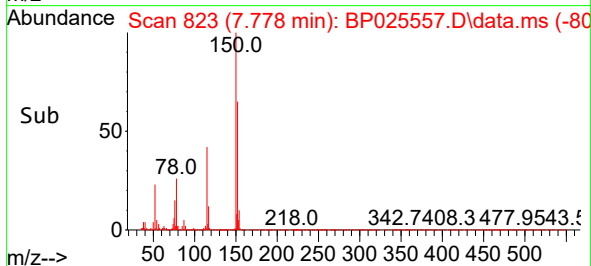
OR-02-082025



Tgt Ion:152 Resp: 197250
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 64.5 48.5 72.7

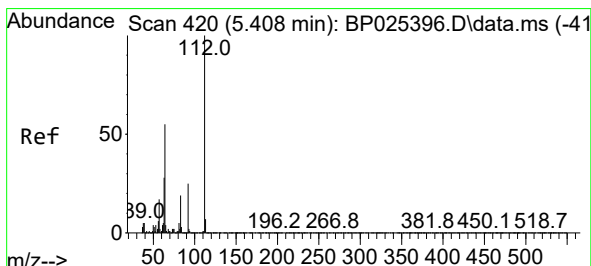
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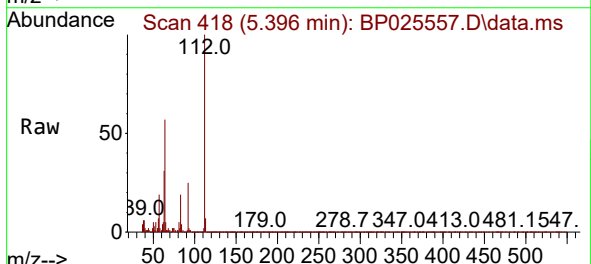


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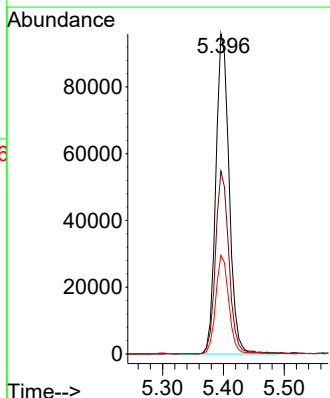
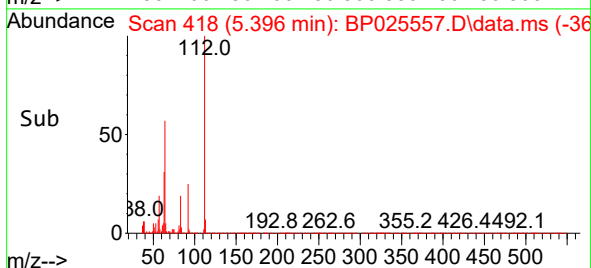
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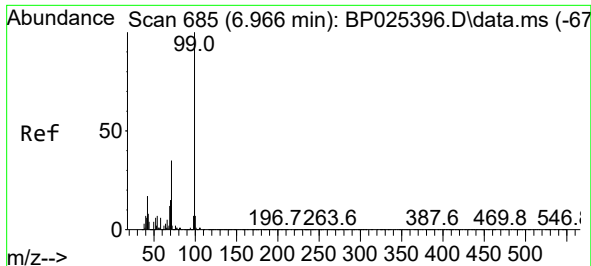


#5
2-Fluorophenol
Concen: 12.271 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24



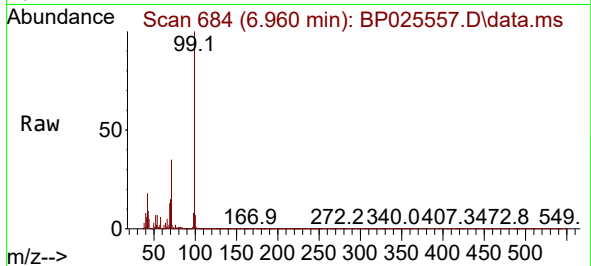
Tgt Ion:112 Resp: 145749
Ion Ratio Lower Upper
112 100
64 57.1 43.8 65.8
63 30.8 22.7 34.1





#7
Phenol-d6
Concen: 12.320 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

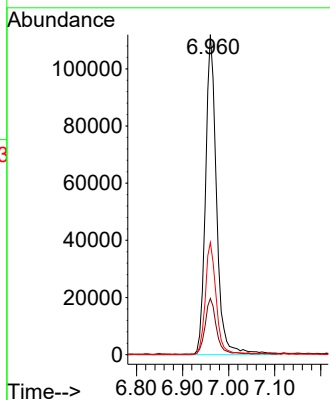
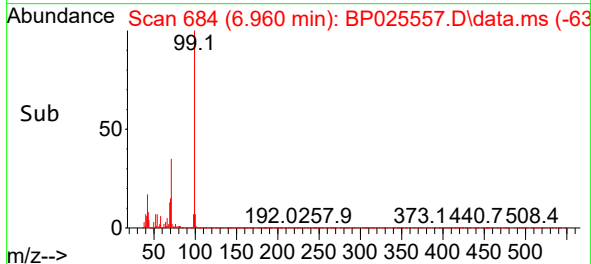
Instrument :
BNA_P
ClientSampleId :
OR-02-082025



Tgt Ion: 99 Resp: 18761
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 35.1 28.2 42.4

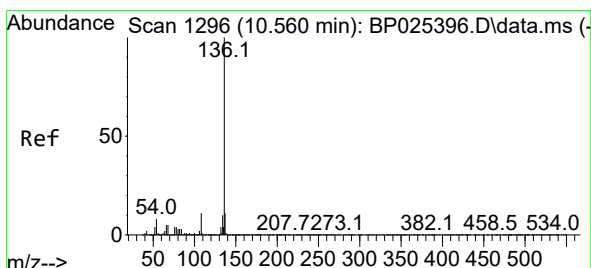
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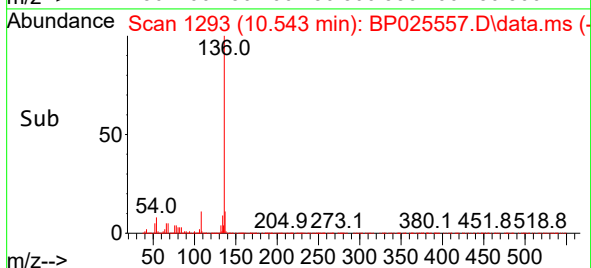
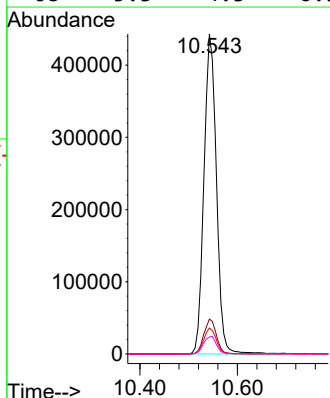
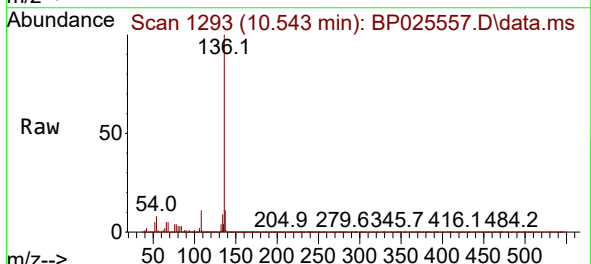
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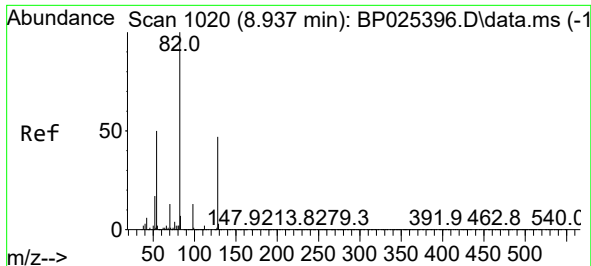
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

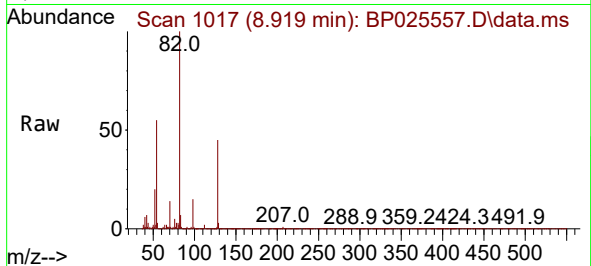
Tgt Ion:136 Resp: 784325
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.1 6.0 9.0
68 5.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 7.352 ng
RT: 8.919 min Scan# 1020
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

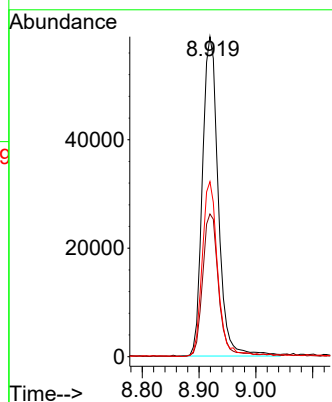
Instrument :
BNA_P
ClientSampleId :
OR-02-082025



Tgt Ion: 82 Resp: 113998
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 54.7 39.8 59.6

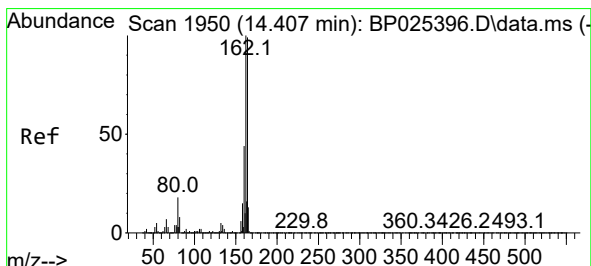
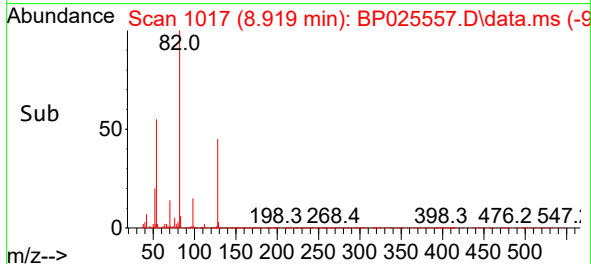
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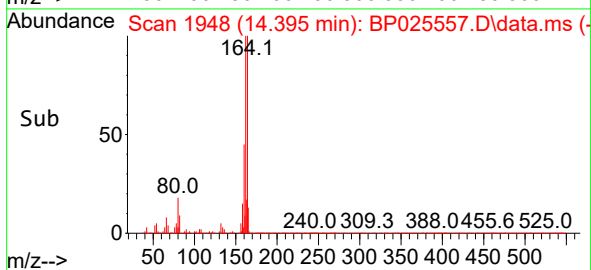
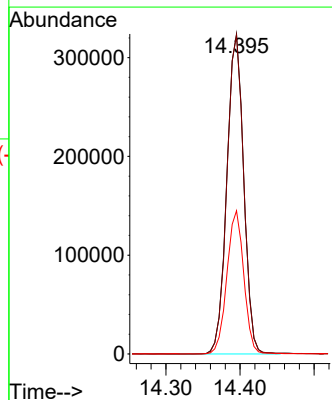
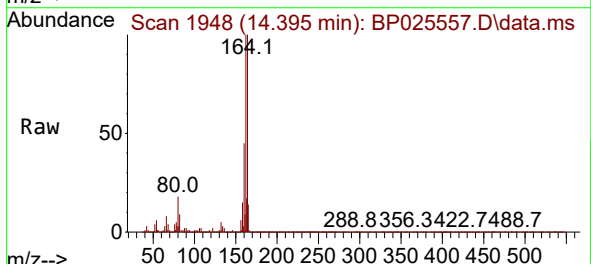
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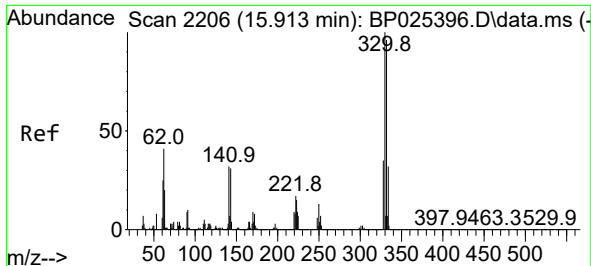
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:164 Resp: 511472
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.6
160 44.7 35.4 53.2





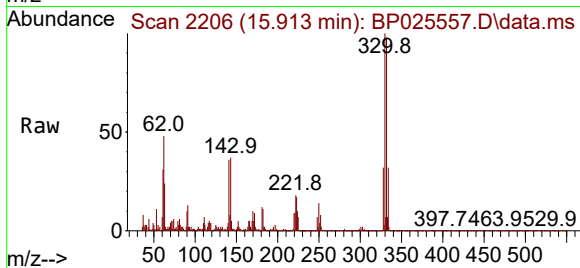
#42
2,4,6-Tribromophenol
Concen: 11.496 ng
RT: 15.913 min Scan# 211
Delta R.T. -0.000 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

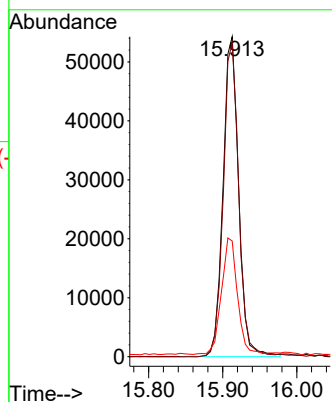
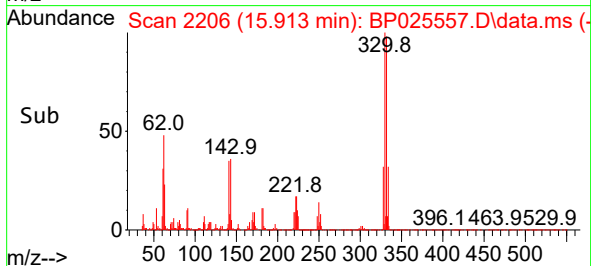
OR-02-082025



Tgt Ion:330 Resp: 7914
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 37.7 26.6 39.8

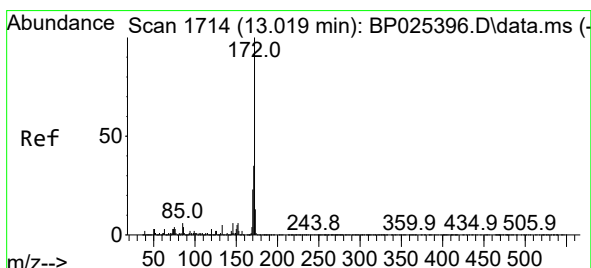
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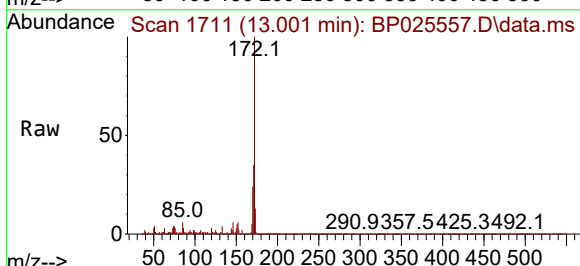


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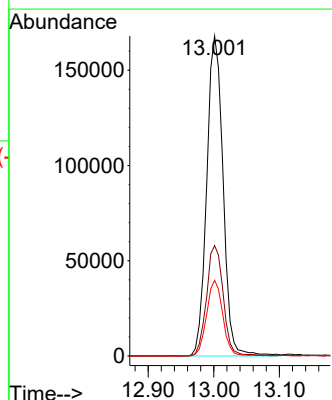
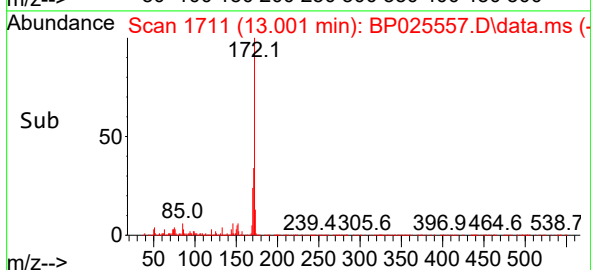
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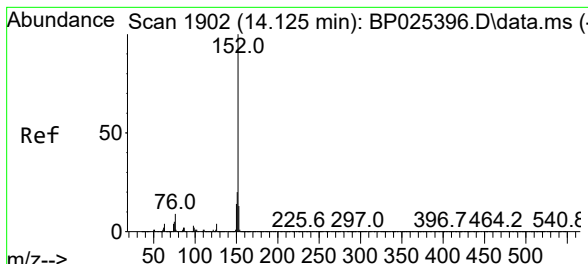


#45
2-Fluorobiphenyl
Concen: 7.791 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24



Tgt Ion:172 Resp: 291565
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.6 18.6 28.0



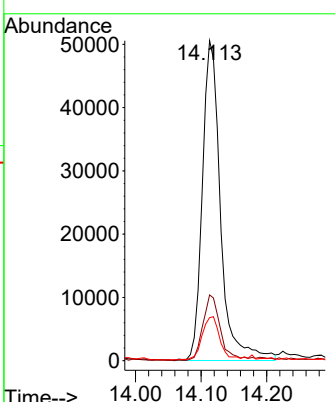
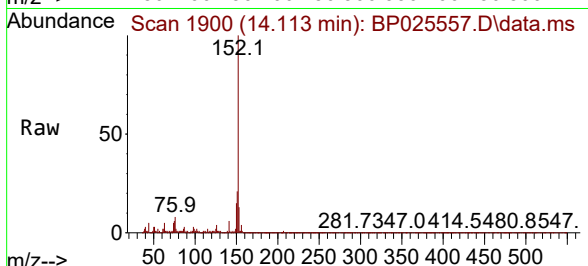


#49
 Acenaphthylene
 Concen: 2.044 ng
 RT: 14.113 min Scan# 1900
 Delta R.T. -0.012 min
 Lab File: BP025557.D
 Acq: 22 Aug 2025 20:24

Instrument : BNA_P
 ClientSampleId : OR-02-082025

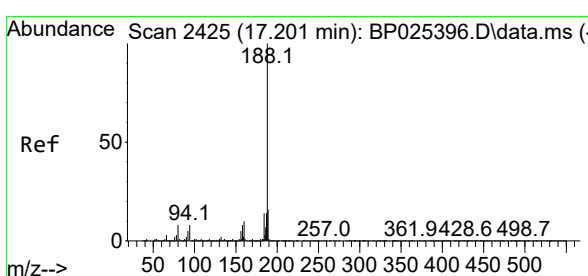
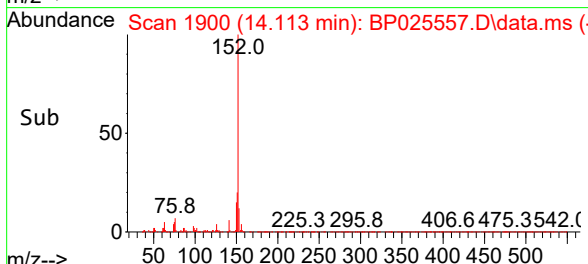
Tgt Ion:	152	Resp:	97799
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.0	24.0
153	13.5	10.6	15.8

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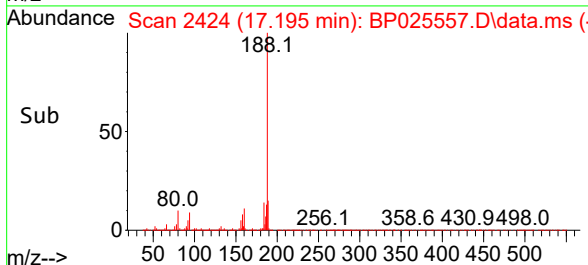
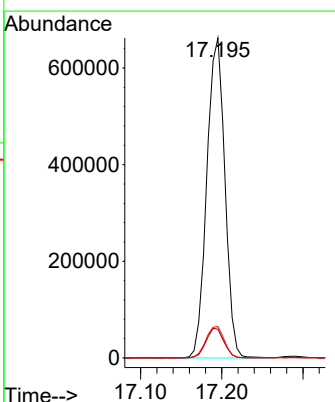
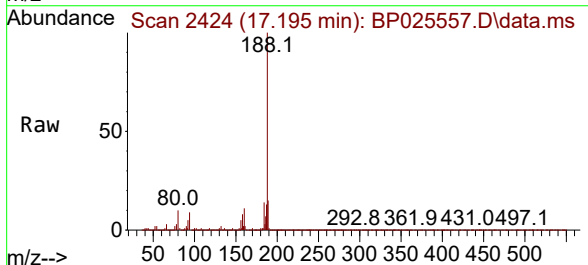
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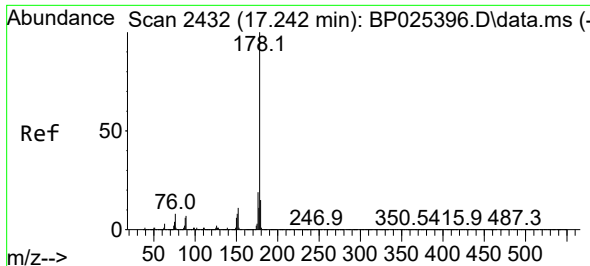
08/25/2025



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.006 min
 Lab File: BP025557.D
 Acq: 22 Aug 2025 20:24

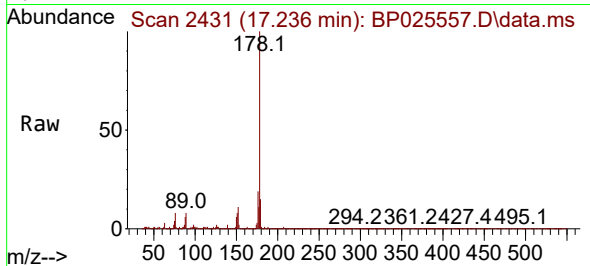
Tgt Ion:	188	Resp:	1022068
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.6	10.0
80	9.8	6.7	10.1





#71
Phenanthrene
Concen: 7.320 ng
RT: 17.236 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

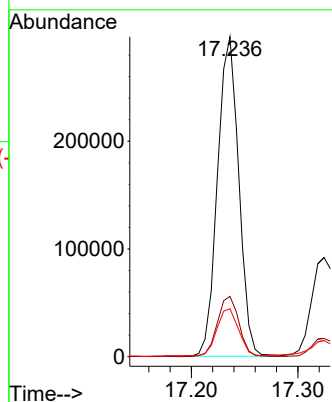
Instrument :
BNA_P
ClientSampleId :
OR-02-082025



Tgt Ion:178 Resp: 410958
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.0 12.2 18.4

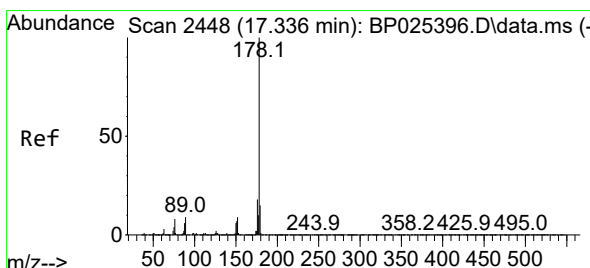
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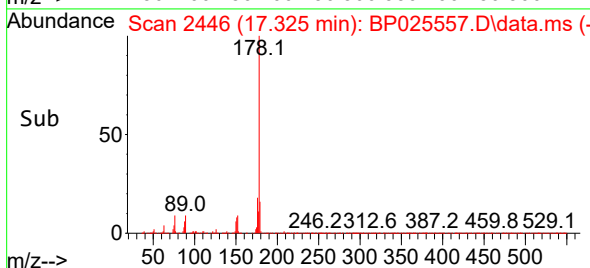
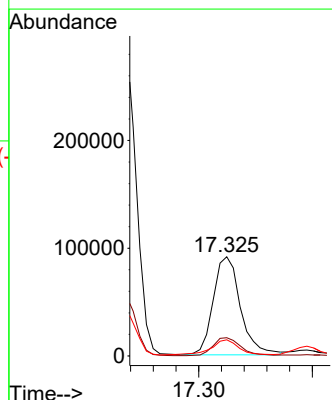
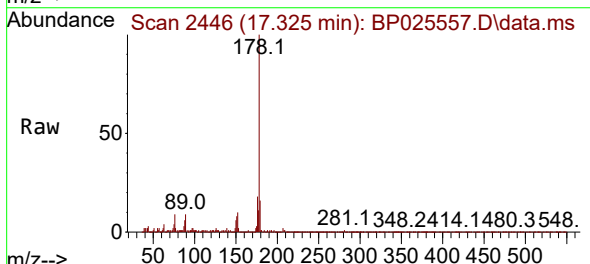
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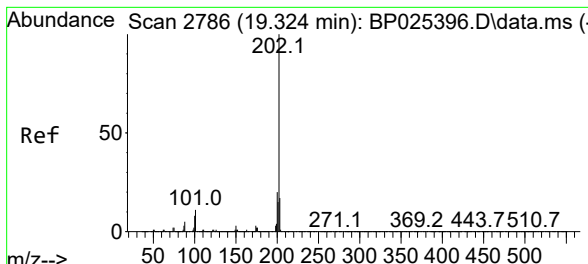
08/25/2025



#72
Anthracene
Concen: 2.640 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:178 Resp: 151387
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 16.3 12.2 18.2



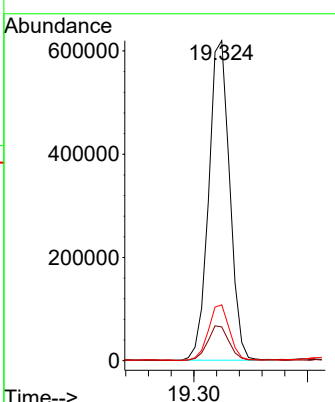
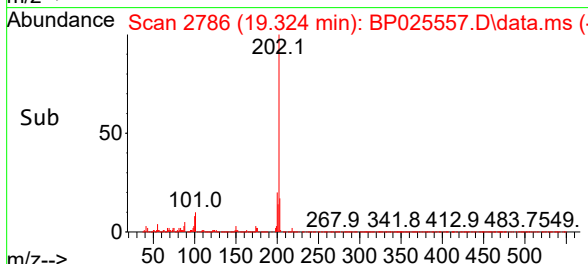
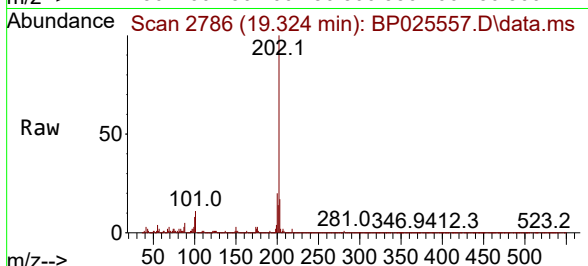


#75
 Fluoranthene
 Concen: 11.855 ng
 RT: 19.324 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025557.D
 Acq: 22 Aug 2025 20:24

Instrument : BNA_P
 ClientSampleId : OR-02-082025

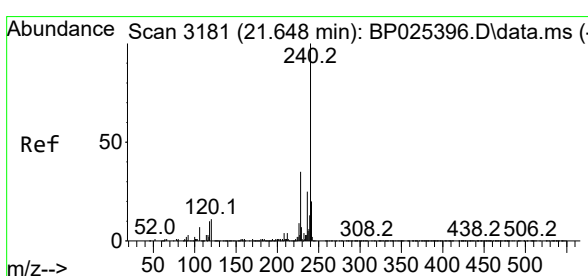
Tgt Ion:	202	Resp:	79397
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.1
203	17.4	0.0	37.3

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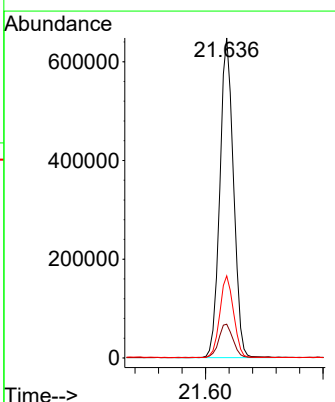
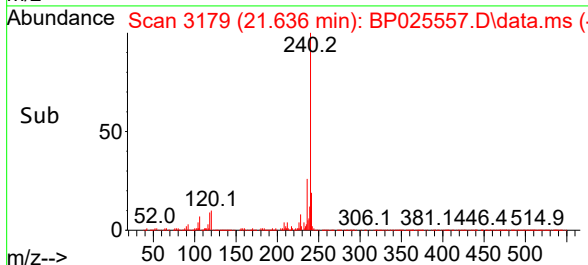
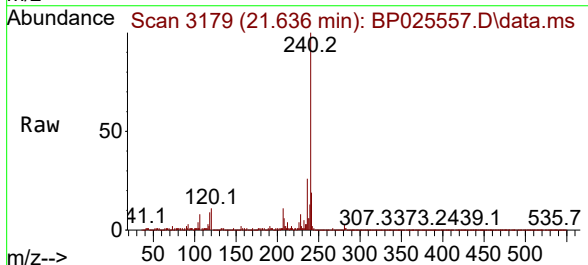
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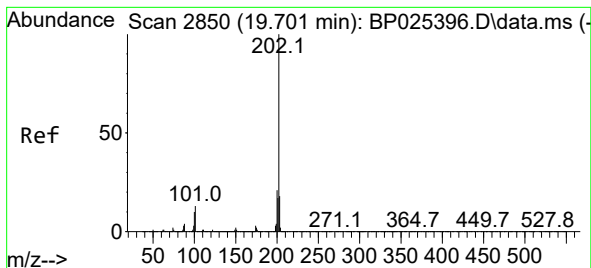
08/25/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.636 min Scan# 3179
 Delta R.T. -0.012 min
 Lab File: BP025557.D
 Acq: 22 Aug 2025 20:24

Tgt Ion:	240	Resp:	1044043
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.9	13.3
236	25.7	19.8	29.8





#78

Pyrene

Concen: 12.559 ng

RT: 19.701 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BP025557.D

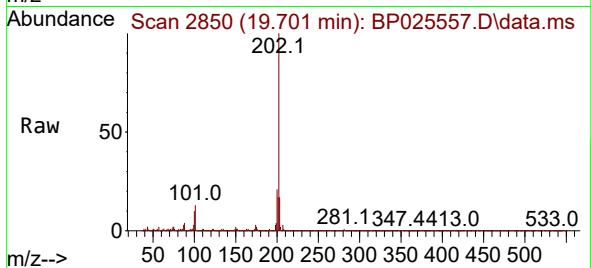
Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025



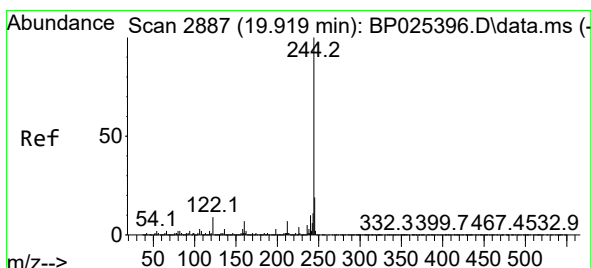
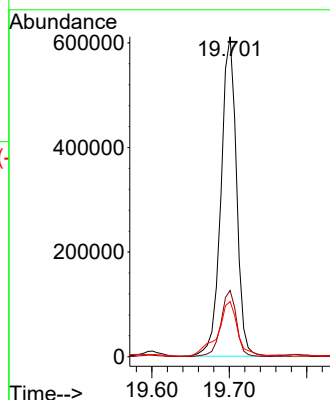
Tgt Ion:	202	Resp:	852220
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.9	25.3
203	17.3	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

08/25/2025
Supervised By :Jagrut
Upadhyay

08/25/2025



#79

Terphenyl-d14

Concen: 8.564 ng

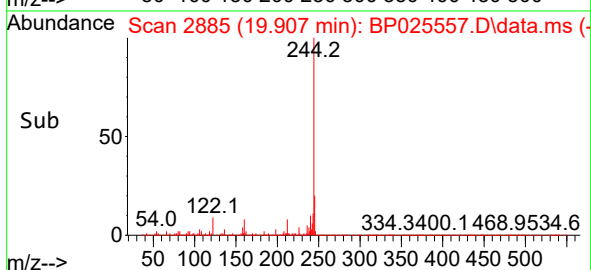
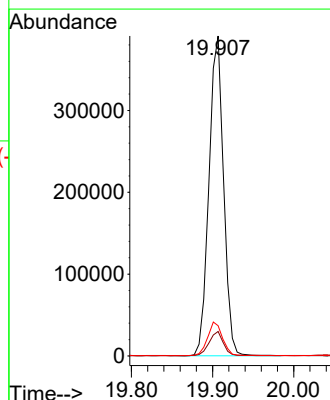
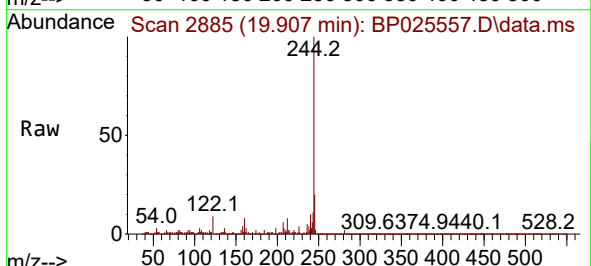
RT: 19.907 min Scan# 2885

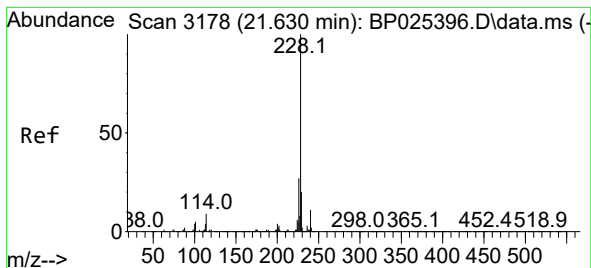
Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Tgt Ion:	244	Resp:	488677
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.8	8.6
122	9.5	7.4	11.2





#81

Benzo(a)anthracene

Concen: 6.159 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

Tgt Ion:228 Resp: 424098

Ion Ratio Lower Upper

228 100

226 32.4 21.7 32.5

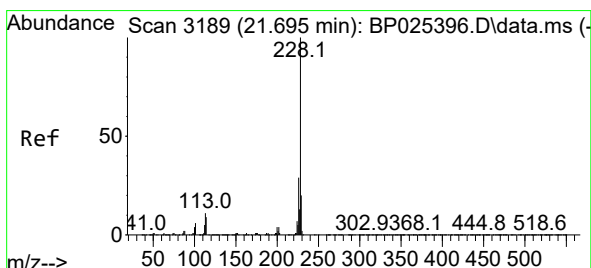
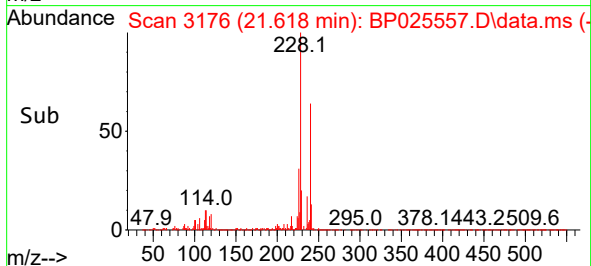
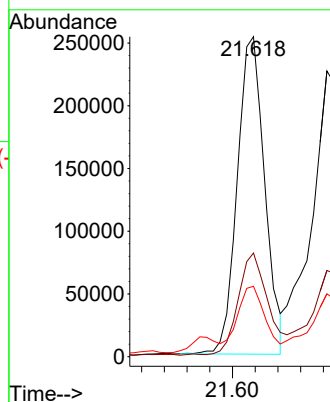
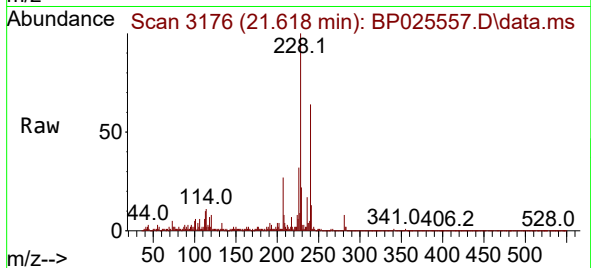
229 22.0 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/25/2025

Supervised By :Jagrut Upadhyay 08/25/2025



#83

Chrysene

Concen: 6.447 ng

RT: 21.683 min Scan# 3187

Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

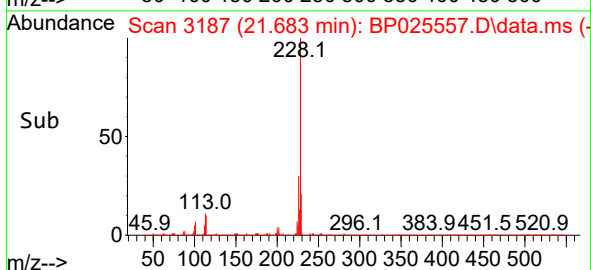
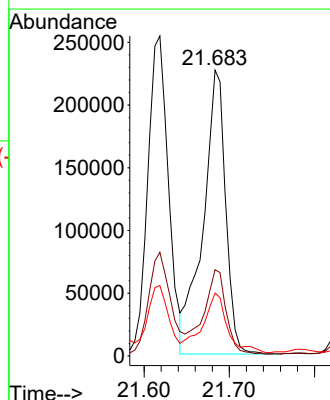
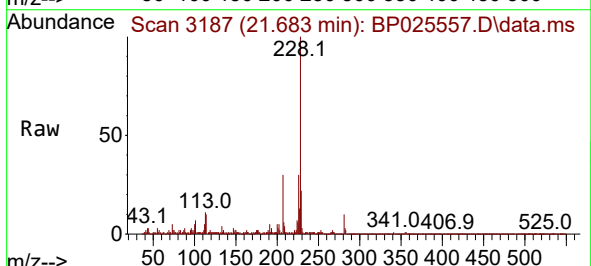
Tgt Ion:228 Resp: 415746

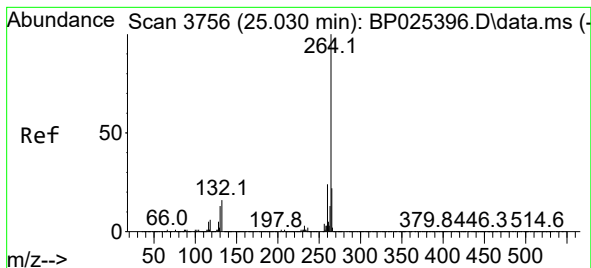
Ion Ratio Lower Upper

228 100

226 30.2 23.2 34.8

229 22.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

Tgt Ion:264 Resp: 120599

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

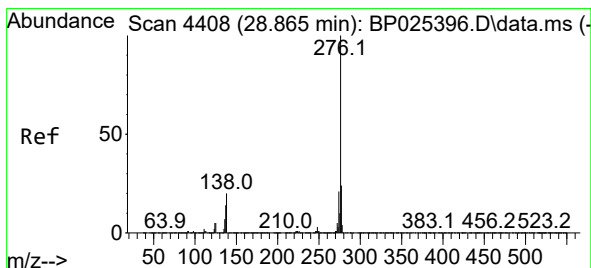
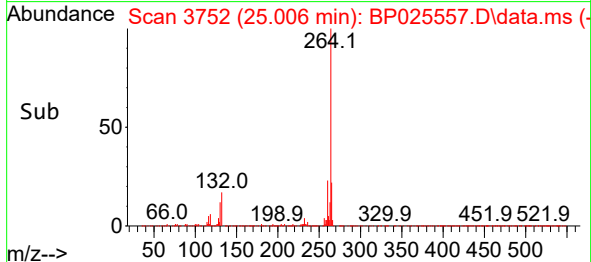
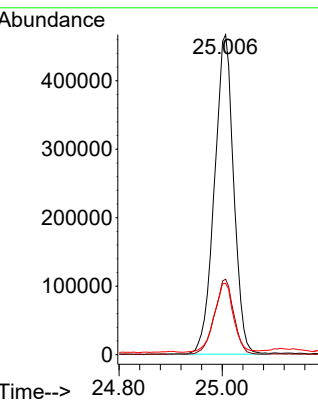
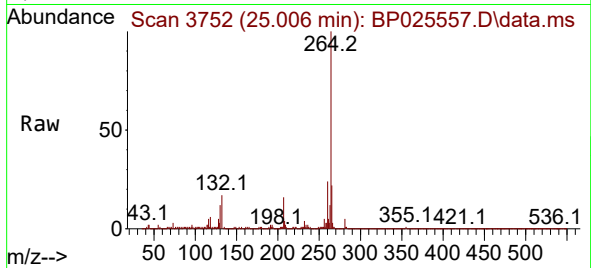
265 22.3 17.4 26.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/25/2025

Supervised By :Jagrut Upadhyay 08/25/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.750 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.059 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

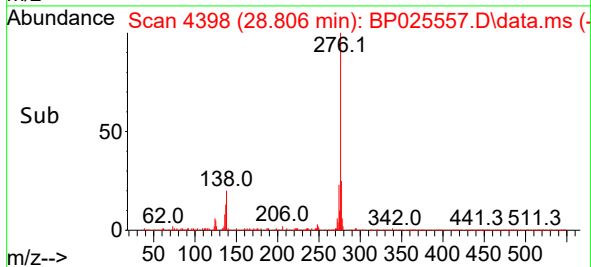
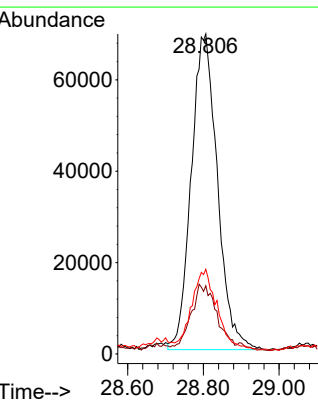
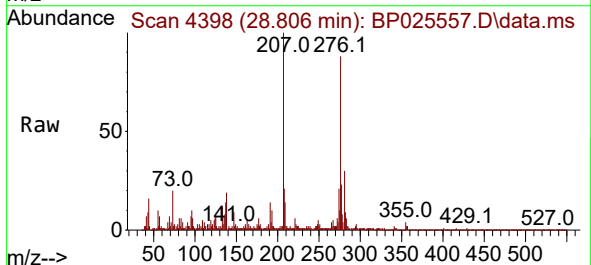
Tgt Ion:276 Resp: 331635

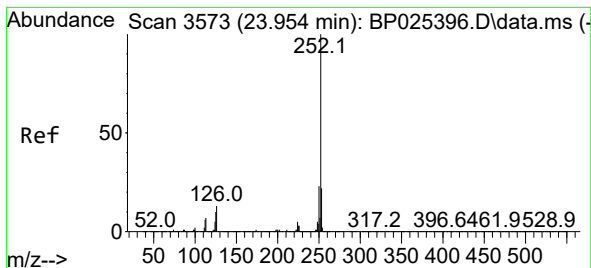
Ion Ratio Lower Upper

276 100

138 20.5 12.9 19.3#

277 24.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 8.345 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

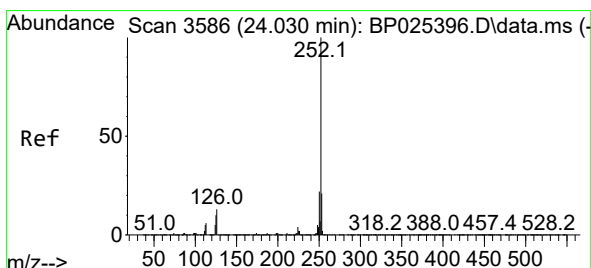
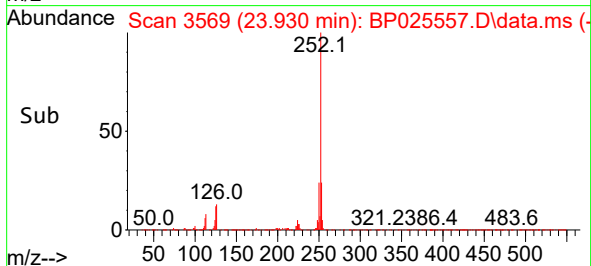
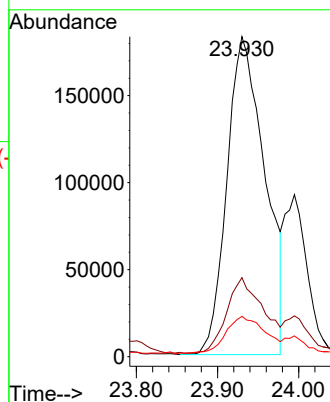
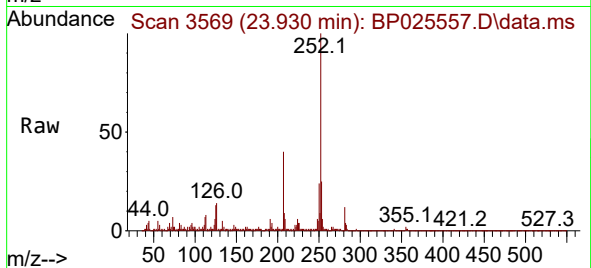
Tgt Ion:252 Resp: 593430
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.7 26.5
 125 12.6 7.9 11.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/25/2025

Supervised By :Jagrut Upadhyay 08/25/2025



#89

Benzo(k)fluoranthene

Concen: 2.480 ng m

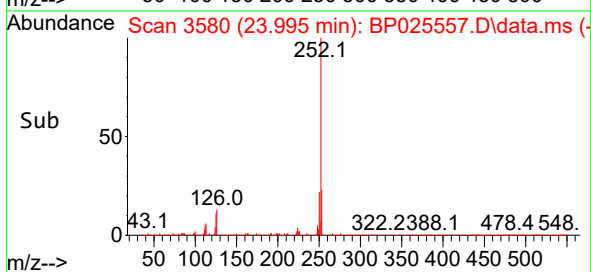
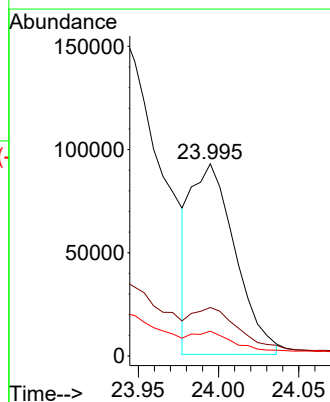
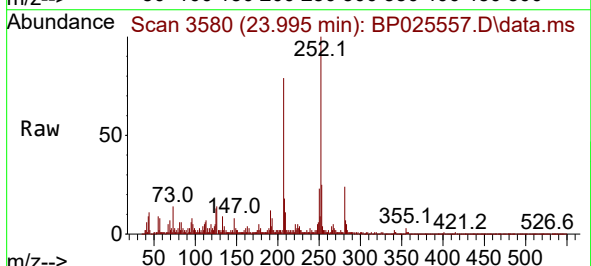
RT: 23.995 min Scan# 3580

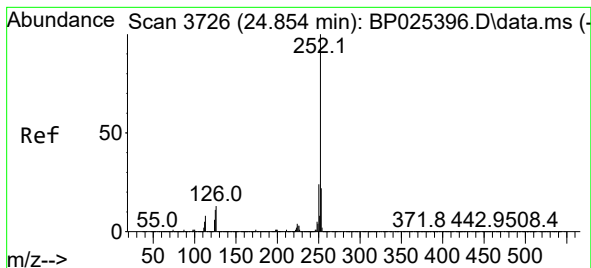
Delta R.T. -0.035 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Tgt Ion:252 Resp: 176516
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.1 25.7
 125 12.9 7.8 11.6





#90

Benzo(a)pyrene

Concen: 6.697 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

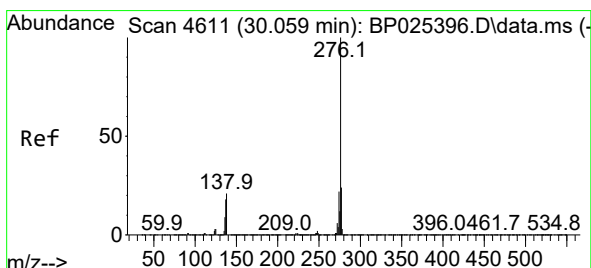
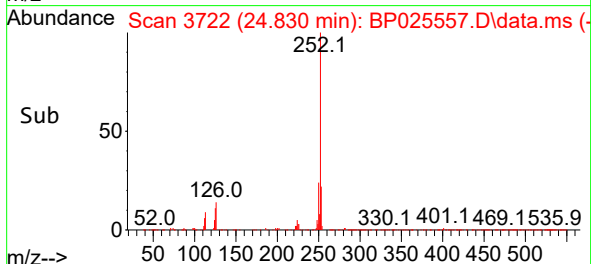
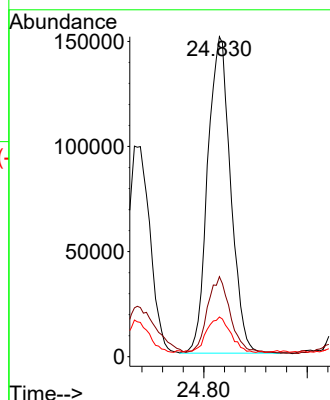
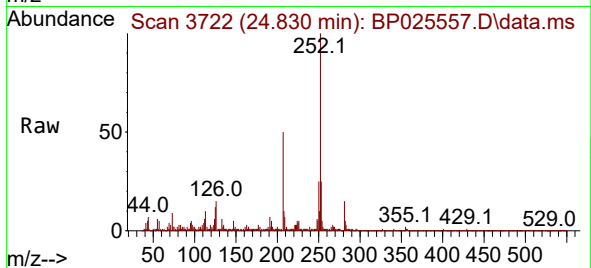
Tgt Ion:252 Resp: 463625
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.5 26.3
 125 12.4 8.7 13.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/25/2025

Supervised By :Jagrut Upadhyay 08/25/2025



#92

Benzo(g,h,i)perylene

Concen: 4.733 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.071 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Tgt Ion:276 Resp: 336261
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.4 29.0
 138 23.1 16.7 25.1

