

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024886.D
 Acq On : 09 Jun 2025 20:59
 Operator : RC/JU
 Sample : Q2260-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP10-MHG-WC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 10 01:32:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	403126	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1646656	20.000	ng	0.00
39) Acenaphthene-d10	14.242	164	1022823	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1950083	20.000	ng	-0.02
76) Chrysene-d12	21.471	240	1509343	20.000	ng	-0.01
86) Perylene-d12	24.724	264	1704631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1970441	81.589	ng	0.00
7) Phenol-d6	6.813	99	2515256	78.715	ng	0.00
23) Nitrobenzene-d5	8.760	82	1571895	46.387	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1180279	83.465	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	3640737	47.951	ng	0.00
79) Terphenyl-d14	19.772	244	5058513	60.067	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.083	178	467072	4.334	ng	99
75) Fluoranthene	19.177	202	921237	7.376	ng	99
78) Pyrene	19.554	202	970321	10.290	ng	99
81) Benzo(a)anthracene	21.454	228	355247	3.680	ng	98
83) Chrysene	21.518	228	317703m	3.473	ng	
88) Benzo(b)fluoranthene	23.695	252	383801	3.934	ng	# 92
90) Benzo(a)pyrene	24.571	252	323864	3.399	ng	# 93
92) Benzo(g,h,i)perylene	29.553	276	207061	2.061	ng	# 91

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

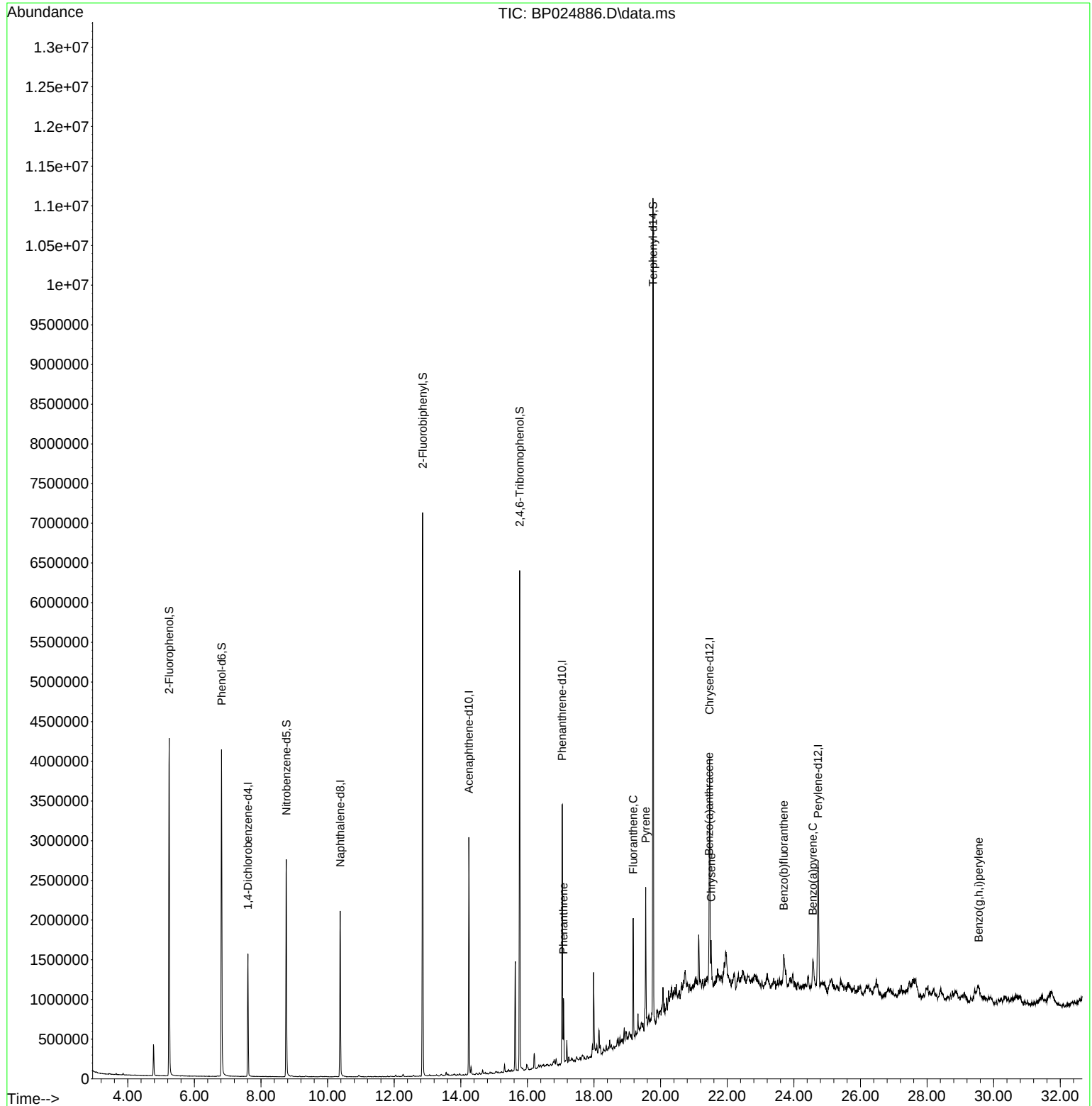
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024886.D
Acq On : 09 Jun 2025 20:59
Operator : RC/JU
Sample : Q2260-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

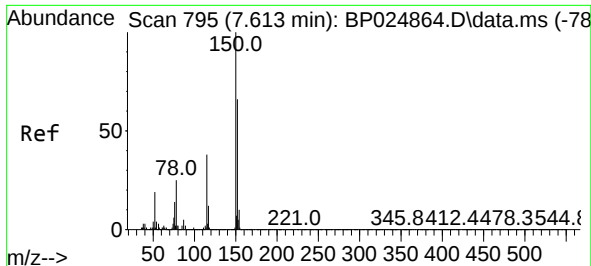
Instrument :
BNA_P
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TP10-MHG-WC

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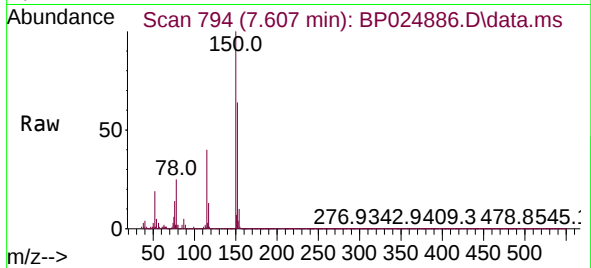
Quant Time: Jun 10 01:32:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

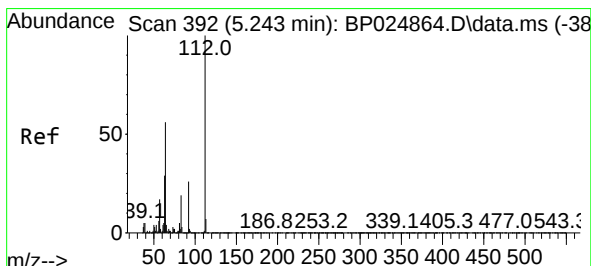
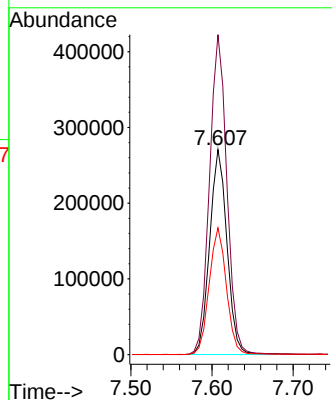
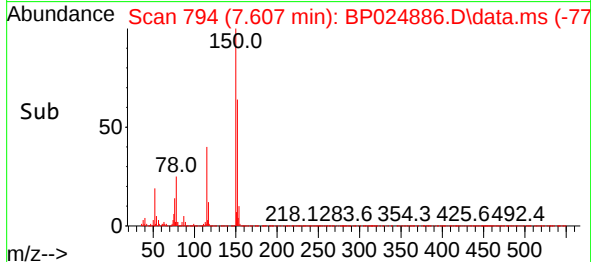
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC



Tgt Ion:152 Resp: 403126
Ion Ratio Lower Upper
152 100
150 156.0 122.1 183.1
115 61.9 46.4 69.6

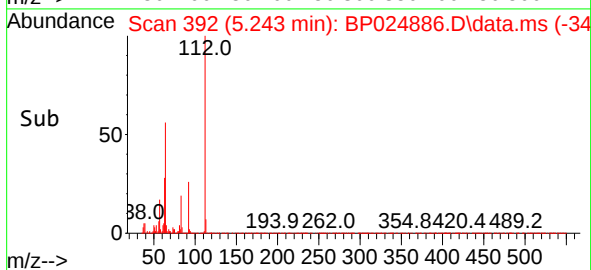
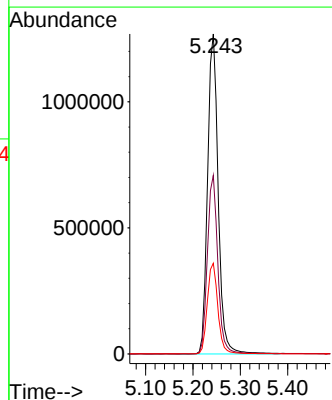
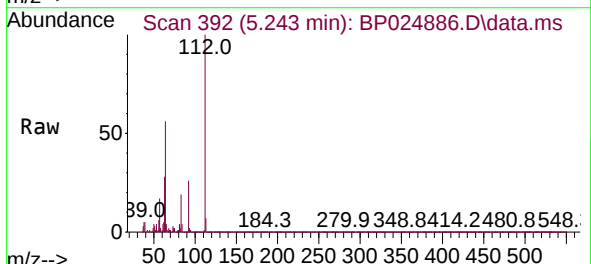
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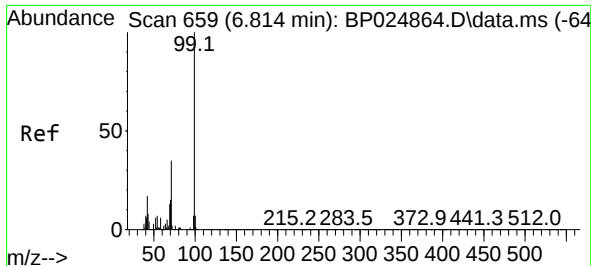
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#5
2-Fluorophenol
Concen: 81.589 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

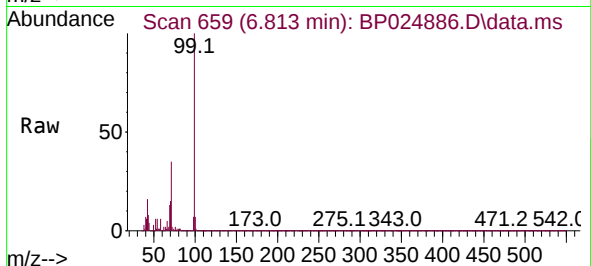
Tgt Ion:112 Resp: 1970441
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 28.3 23.5 35.3





#7
Phenol-d6
Concen: 78.715 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

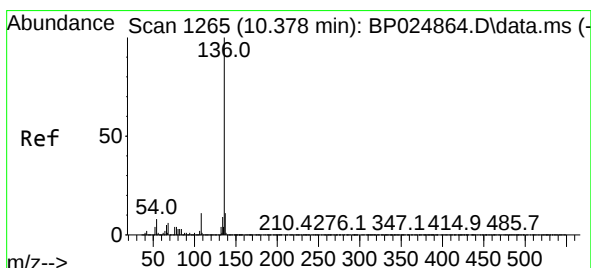
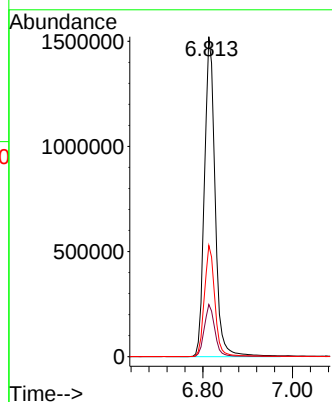
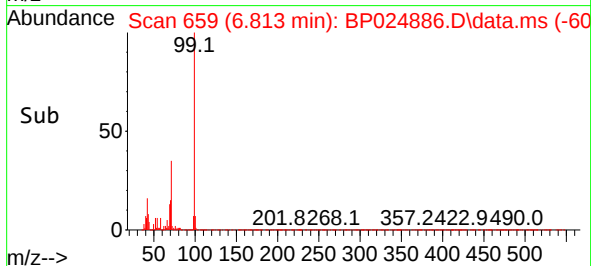
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC



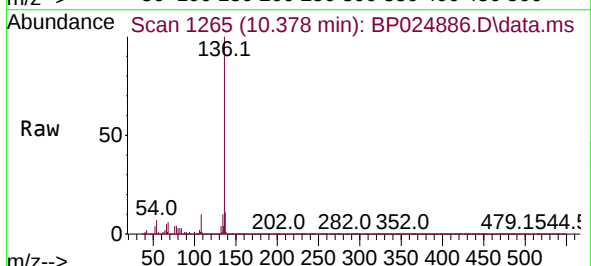
Tgt Ion: 99 Resp: 2515256
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.7 27.6 41.4

Manual Integrations
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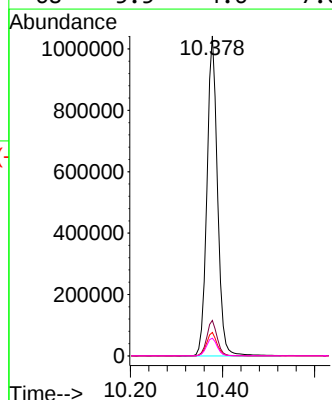
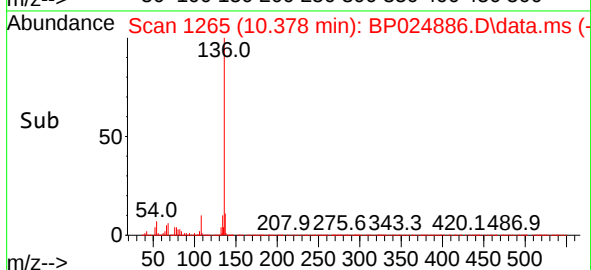
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

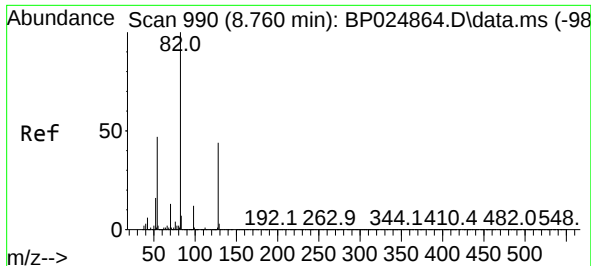


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59



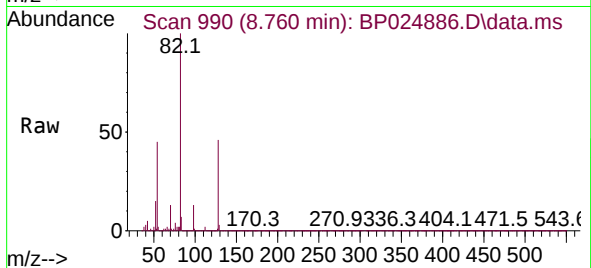
Tgt Ion:136 Resp: 1646656
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 6.1 9.1
68 5.5 4.6 7.0





#23
Nitrobenzene-d5
Concen: 46.387 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

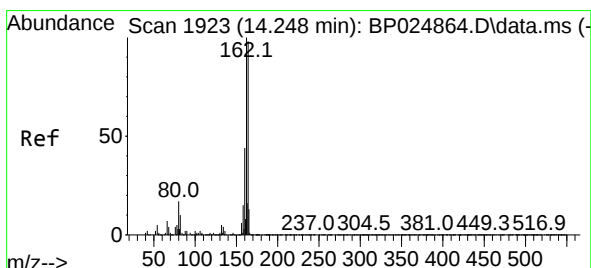
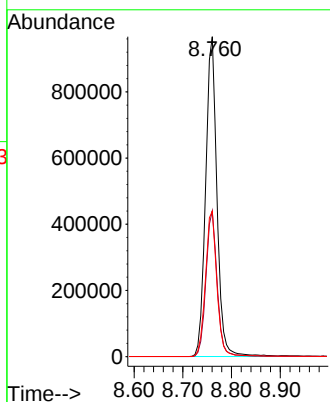
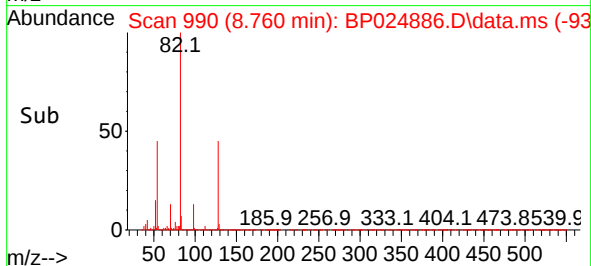
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC



Tgt Ion: 82 Resp: 1571895
Ion Ratio Lower Upper
82 100
128 45.5 35.3 52.9
54 45.4 37.4 56.0

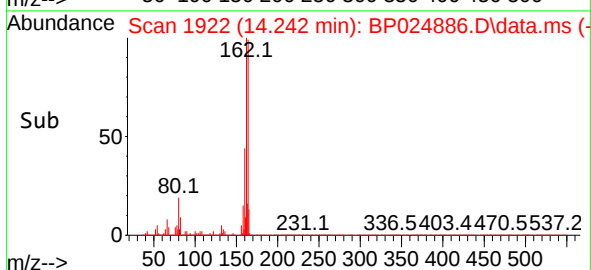
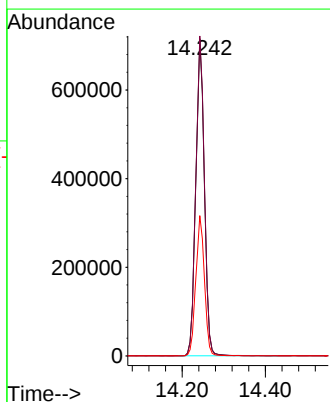
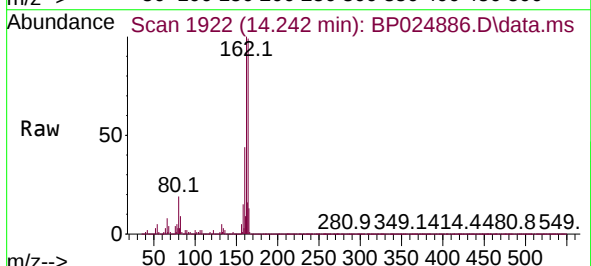
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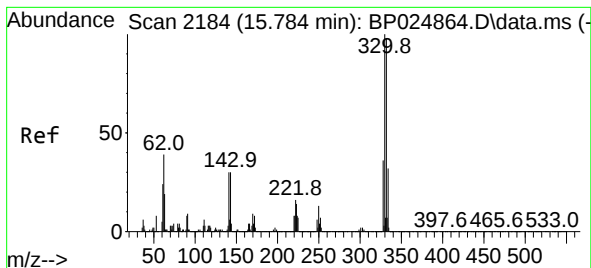
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.242 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

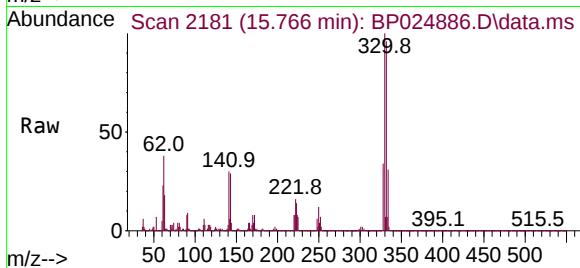
Tgt Ion:164 Resp: 1022823
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.2 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 83.465 ng
RT: 15.766 min Scan# 2184
Delta R.T. -0.018 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

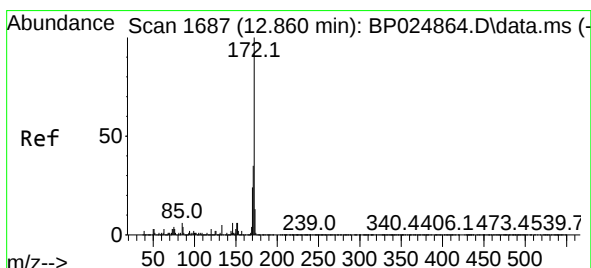
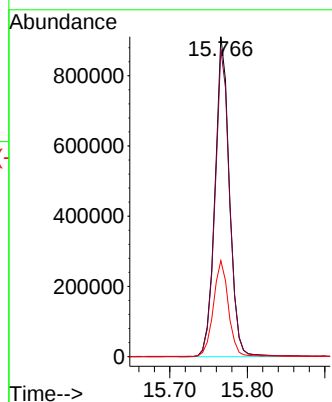
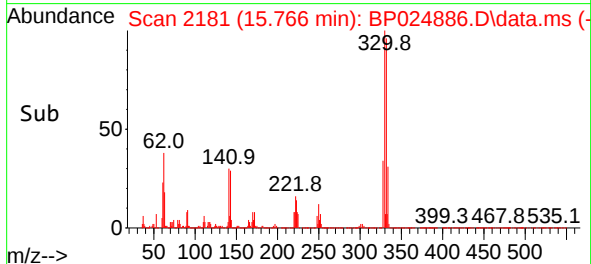
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC



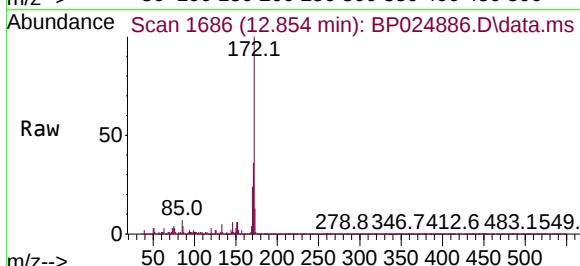
Tgt Ion: 330 Resp: 1180279
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 31.1 26.4 39.6

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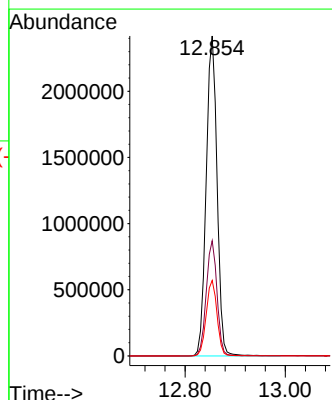
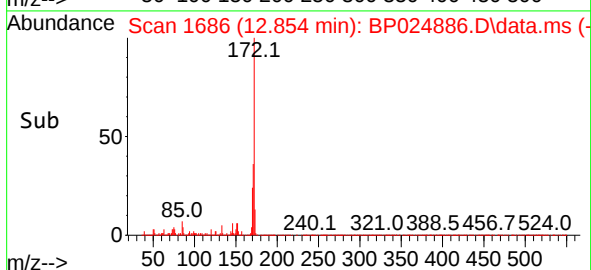
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Supervised By :Jagrut Upadhyay 06/10/2025

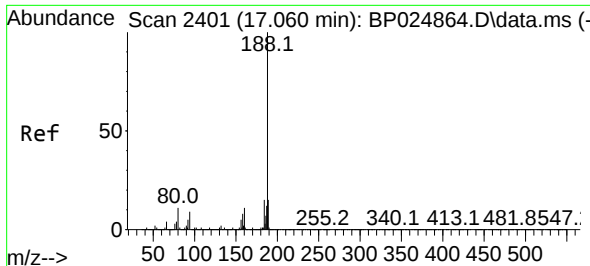


#45
2-Fluorobiphenyl
Concen: 47.951 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59



Tgt Ion: 172 Resp: 3640737
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.6 19.0 28.4





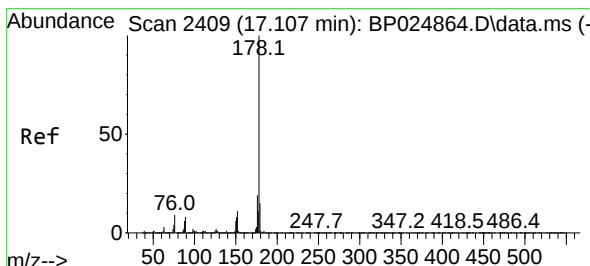
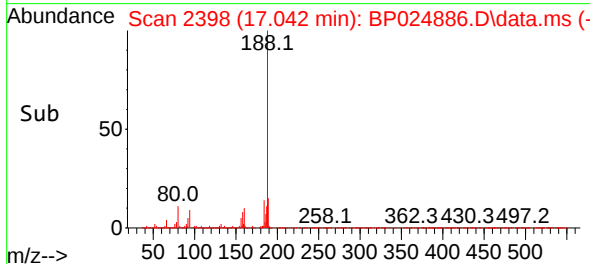
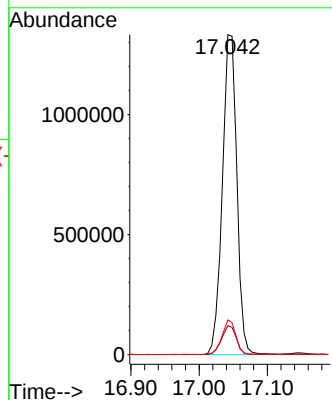
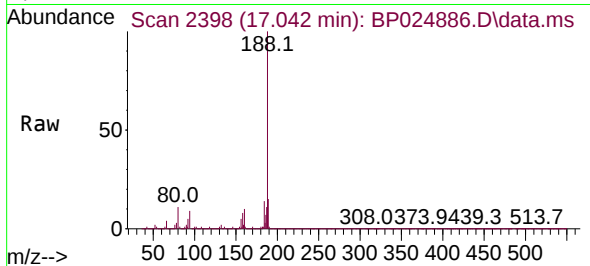
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC

Tgt Ion:188 Resp: 1950083
Ion Ratio Lower Upper
188 100
94 9.0 7.3 10.9
80 10.8 8.5 12.7

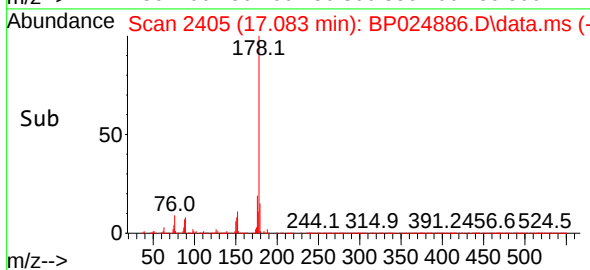
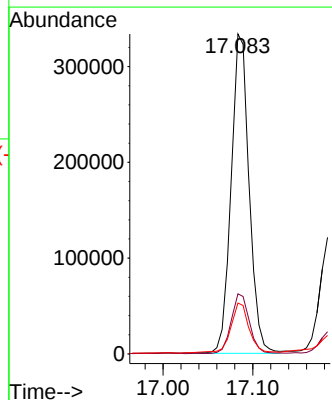
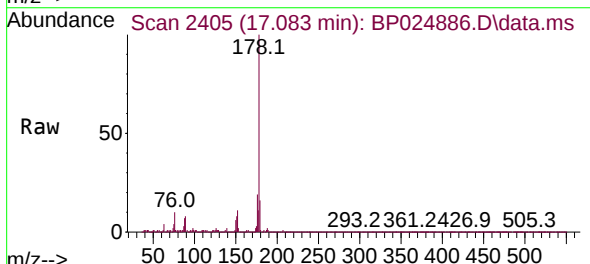
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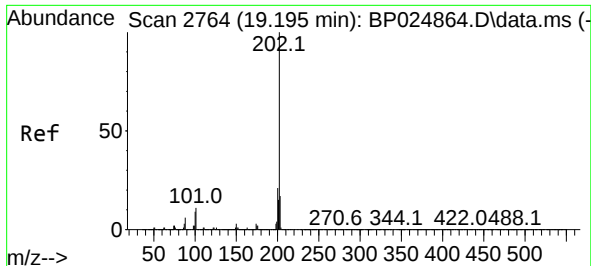
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#71
Phenanthrene
Concen: 4.334 ng
RT: 17.083 min Scan# 2405
Delta R.T. -0.024 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

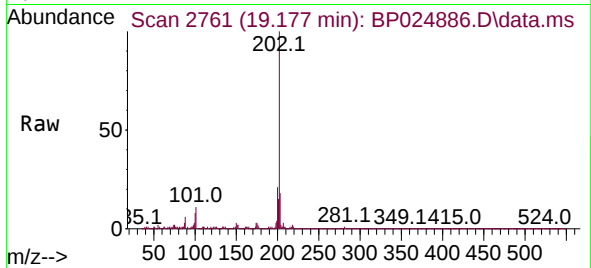
Tgt Ion:178 Resp: 467072
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.9 12.1 18.1





#75
Fluoranthene
Concen: 7.376 ng
RT: 19.177 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

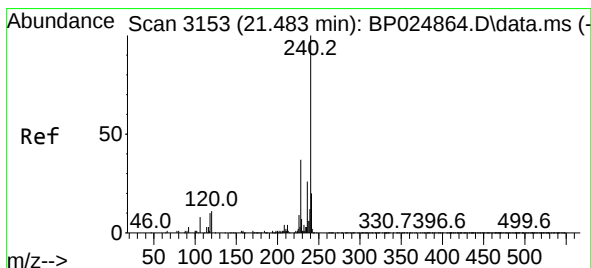
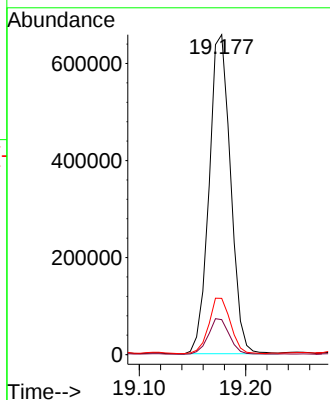
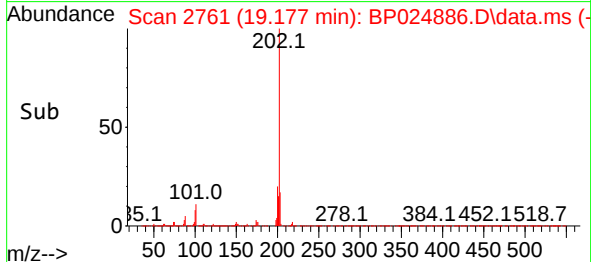
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC



Tgt Ion:202 Resp: 92123
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.6 0.0 37.5

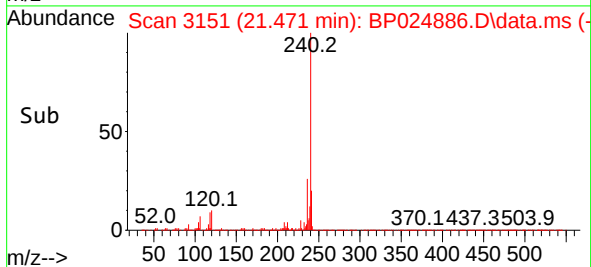
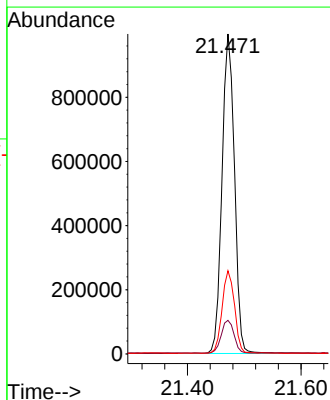
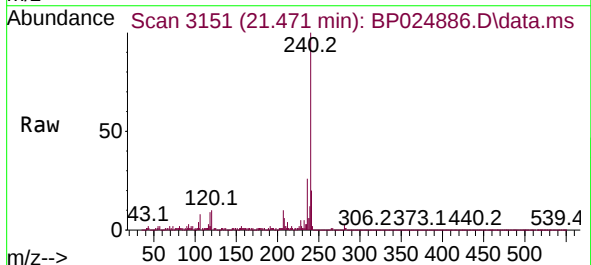
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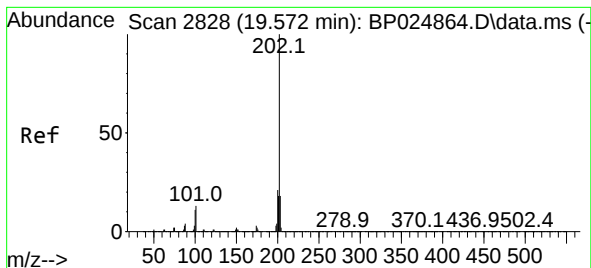
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:240 Resp: 1509343
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 26.0 20.9 31.3





#78

Pyrene

Concen: 10.290 ng

RT: 19.554 min Scan# 2825

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

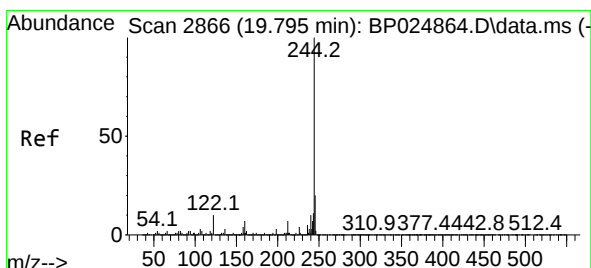
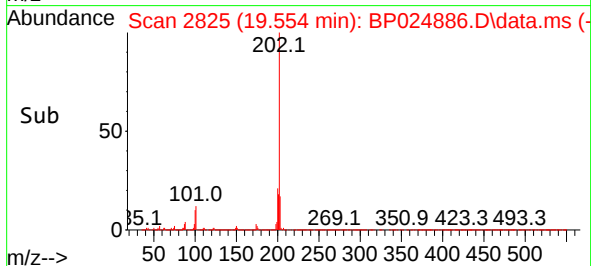
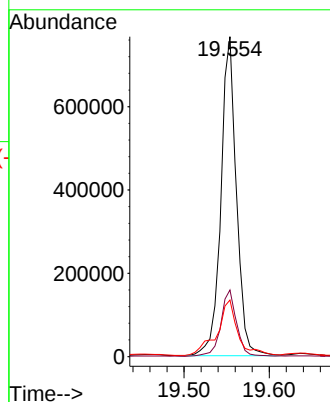
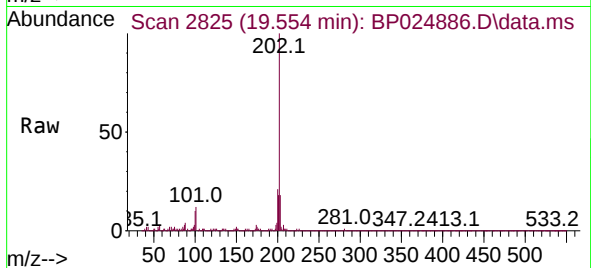
Tgt Ion:	202	Resp:	97032
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.1	25.7
203	17.7	14.0	21.0

Manual Integrations

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#79

Terphenyl-d14

Concen: 60.067 ng

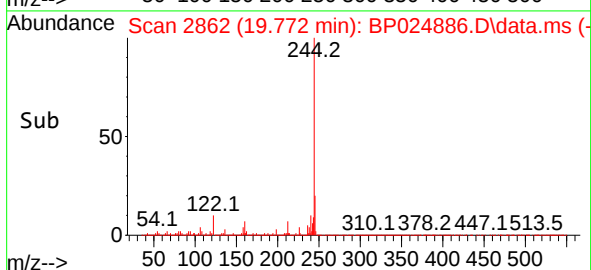
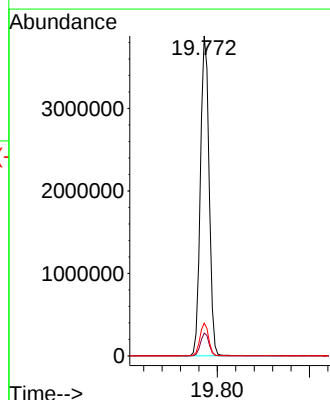
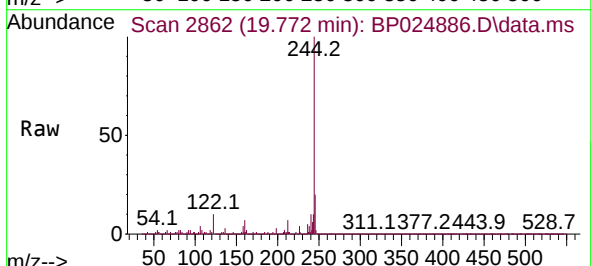
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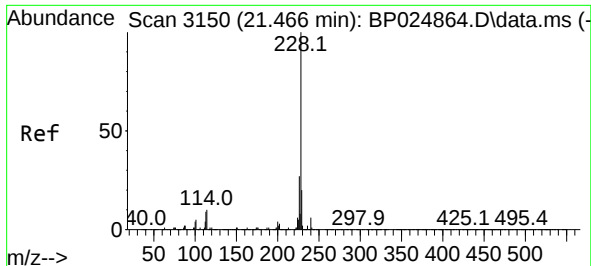
Delta R.T. -0.024 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Tgt Ion:	244	Resp:	5058513
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.6	8.4
122	10.2	7.7	11.5





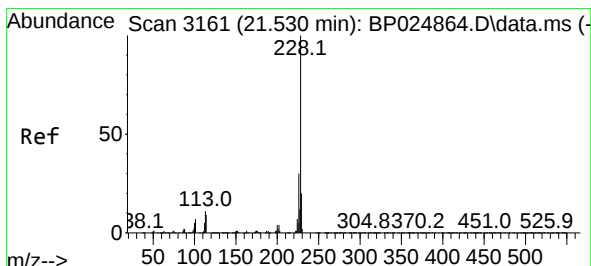
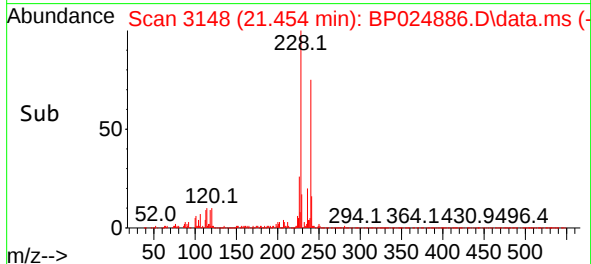
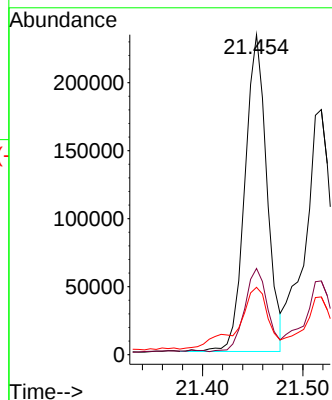
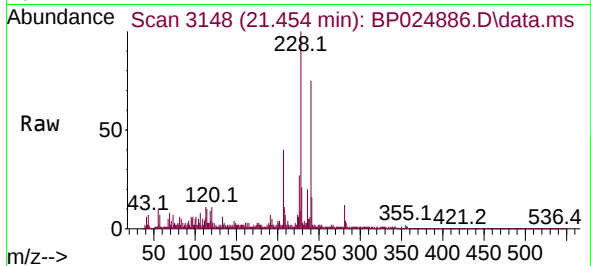
#81
Benzo(a)anthracene
Concen: 3.680 ng
RT: 21.454 min Scan# 3150
Delta R.T. -0.012 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC

Tgt Ion:228 Resp: 35524
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 21.0 15.9 23.9

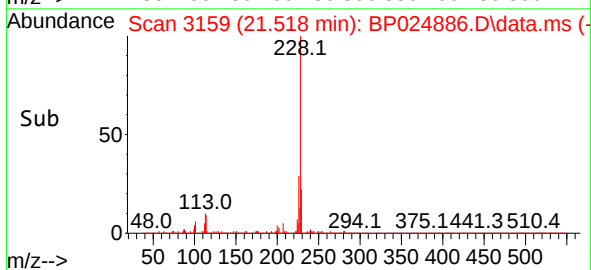
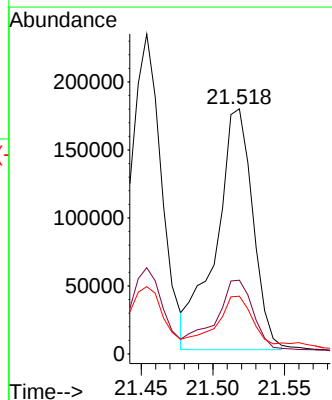
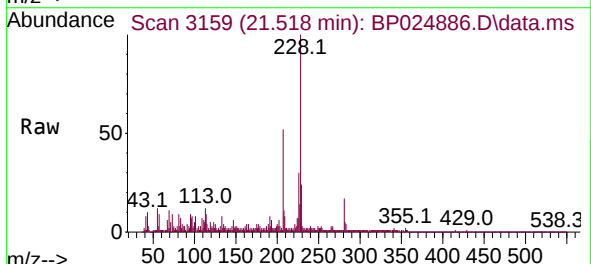
Manual Integrations
APPROVED

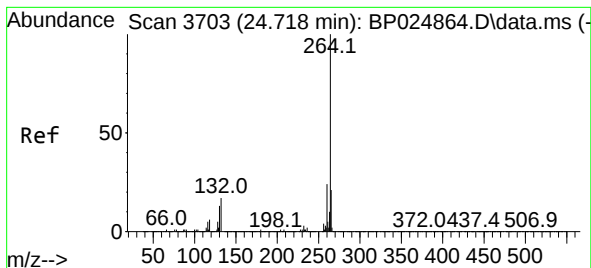
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#83
Chrysene
Concen: 3.473 ng m
RT: 21.518 min Scan# 3159
Delta R.T. -0.012 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:228 Resp: 317703
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 23.5 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.724 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

Tgt Ion:264 Resp: 1704631

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

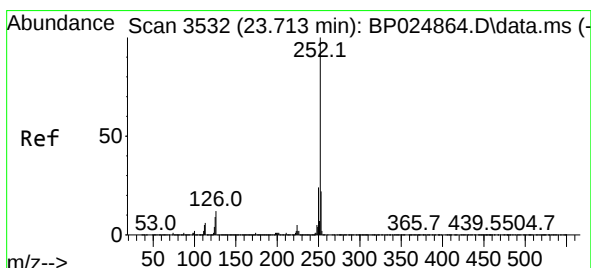
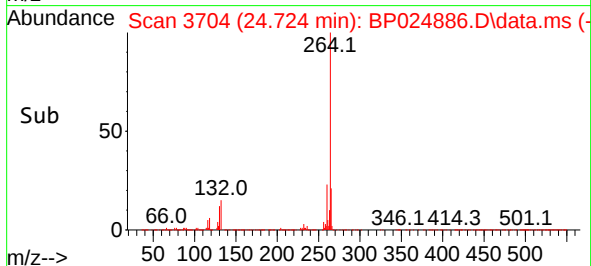
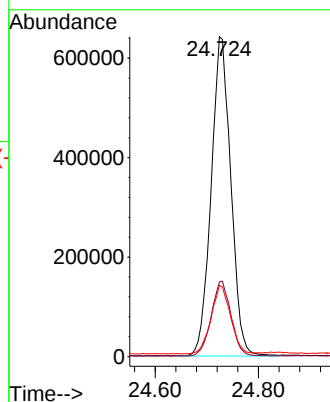
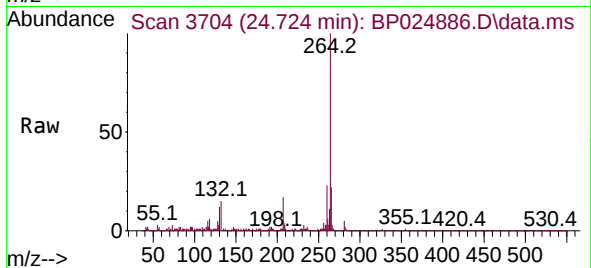
265 22.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#88

Benzo(b)fluoranthene

Concen: 3.934 ng

RT: 23.695 min Scan# 3529

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

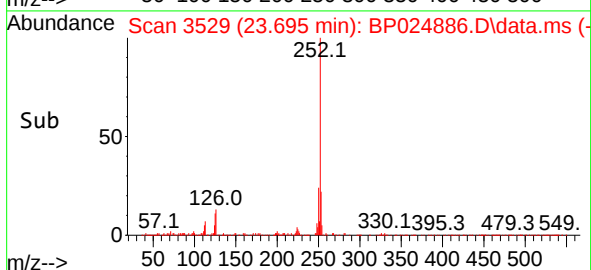
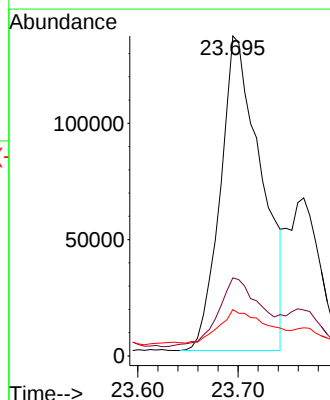
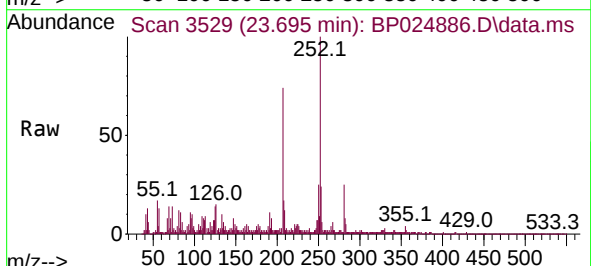
Tgt Ion:252 Resp: 383801

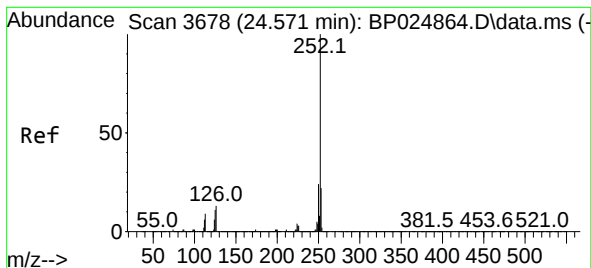
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.5 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 3.399 ng

RT: 24.571 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

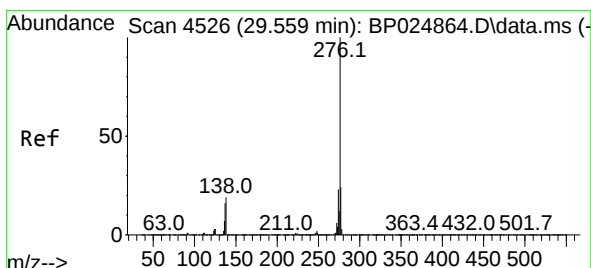
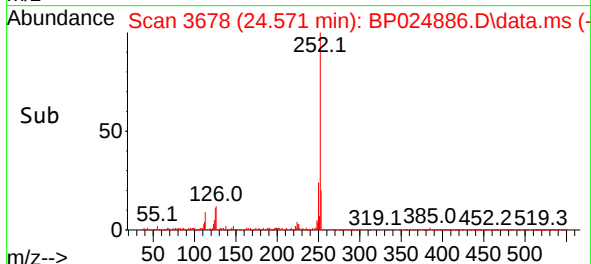
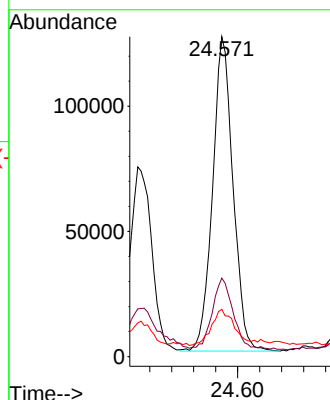
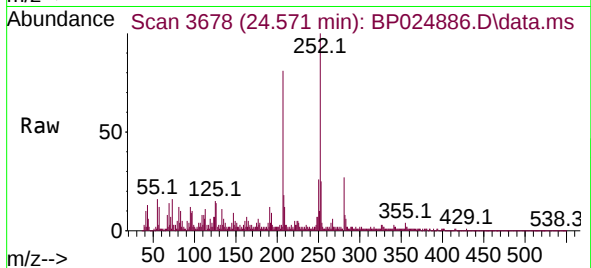
Tgt Ion:	252	Resp:	323864
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	14.8	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#92

Benzo(g,h,i)perylene

Concen: 2.061 ng

RT: 29.553 min Scan# 4525

Delta R.T. -0.006 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Tgt Ion:	276	Resp:	207061
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.1	28.7
138	24.1	15.4	23.2

