

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025601.D
 Acq On : 27 Aug 2025 13:37
 Operator : CG/JU
 Sample : Q2924-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 14:55:28 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	7.778	152	185057	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	347077m	20.000	ng	0.00
39) Acenaphthene-d10	14.389	164	427017	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	842894	20.000	ng	0.00
76) Chrysene-d12	21.636	240	908516	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1056970	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	726325	65.180	ng	0.00
7) Phenol-d6	6.972	99	552294	38.658	ng	0.00
23) Nitrobenzene-d5	8.925	82	1173171	170.986	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	784050	136.411	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2460938	78.763	ng	-0.02
79) Terphenyl-d14	19.913	244	3677080	74.049	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.543	107	137277	9.512	ng	95
31) Naphthalene	10.607	128	53755684m	2979.886	ng	
37) 2-Methylnaphthalene	12.219	142	10214822	870.117	ng	97
38) 1-Methylnaphthalene	12.431	142	7169662	574.282	ng	100
46) 1,1'-Biphenyl	13.213	154	766428	24.714	ng	99
49) Acenaphthylene	14.113	152	6233315	156.029	ng	99
52) Acenaphthene	14.454	154	194323	8.287	ng	98
55) Dibenzofuran	14.795	168	141629	3.820	ng	# 96
58) Fluorene	15.454	166	761442	26.029	ng	99
60) Diethylphthalate	15.225	149	64135	2.019	ng	# 91
71) Phenanthrene	17.242	178	1301280	28.104	ng	98
72) Anthracene	17.336	178	274266	5.800	ng	99
73) Carbazole	17.613	167	585677	13.150	ng	99
74) Di-n-butylphthalate	18.201	149	138046	2.519	ng	99
75) Fluoranthene	19.319	202	119116	2.157	ng	99
78) Pyrene	19.695	202	167520	2.837	ng	99

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

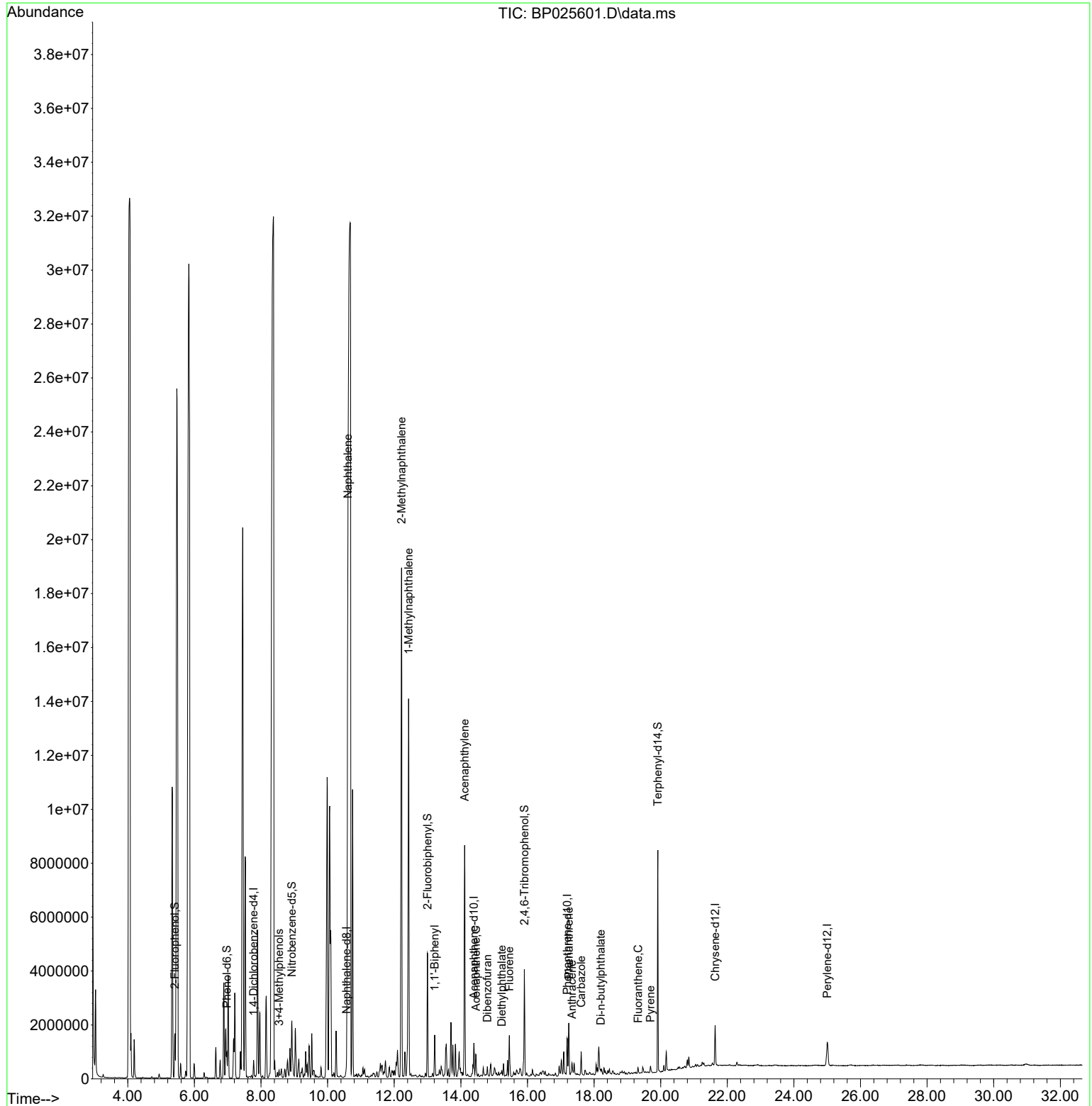
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
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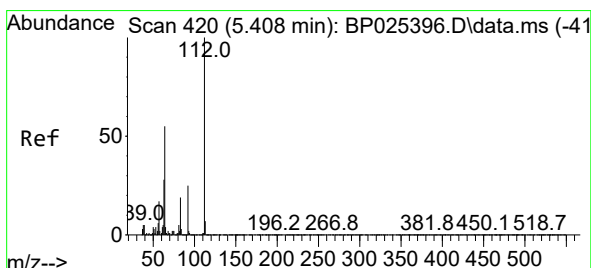
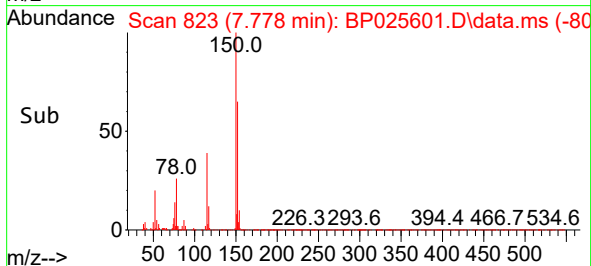
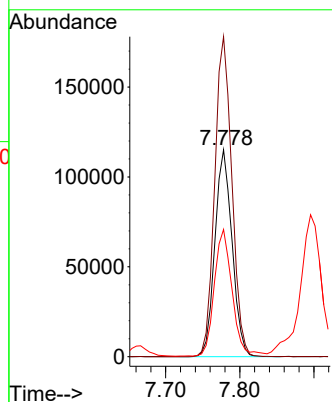
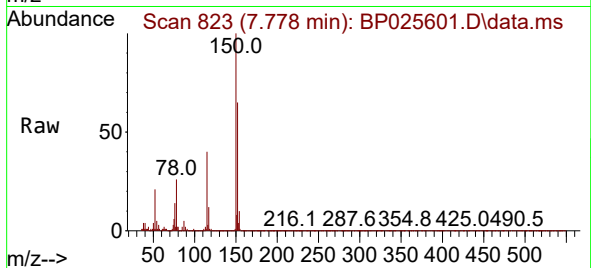
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MW-201-082025

Tgt Ion:152 Resp: 18505
Ion Ratio Lower Upper
152 100
150 154.7 125.9 188.9
115 61.5 48.5 72.7

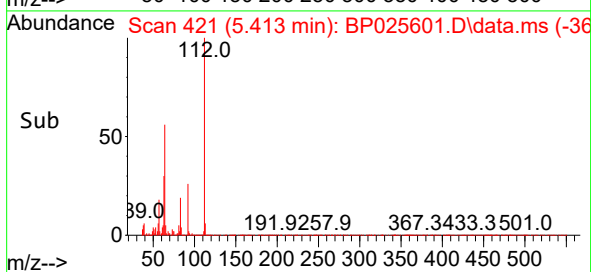
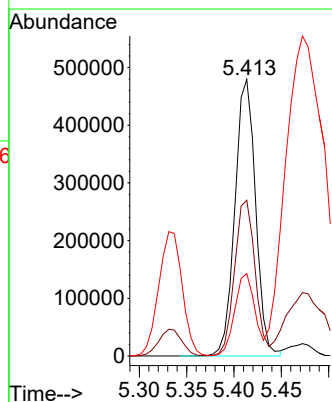
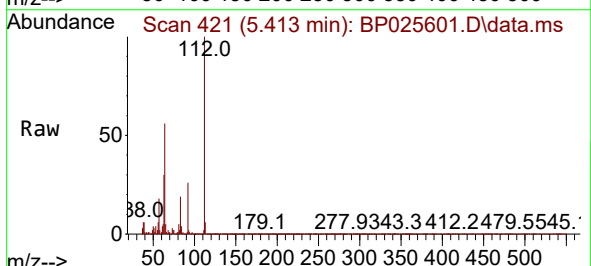
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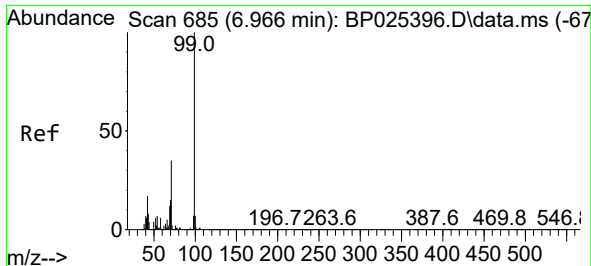
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



#5
2-Fluorophenol
Concen: 65.180 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

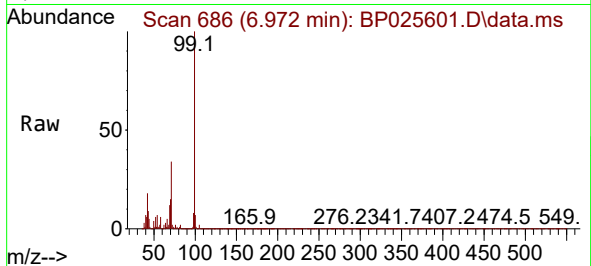
Tgt Ion:112 Resp: 726325
Ion Ratio Lower Upper
112 100
64 56.3 43.8 65.8
63 29.8 22.7 34.1





#7
Phenol-d6
Concen: 38.658 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

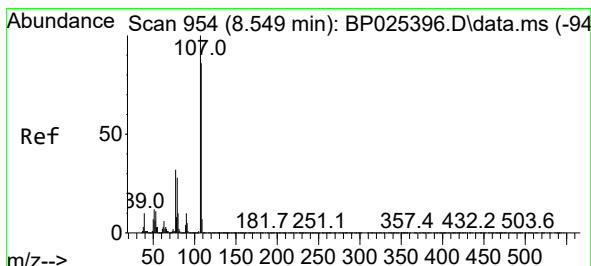
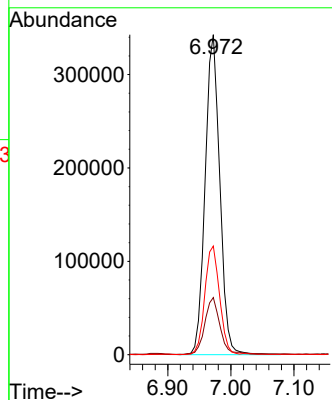
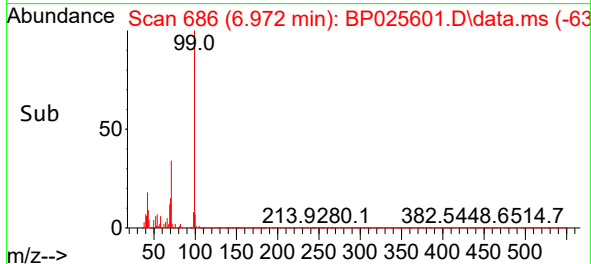
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MW-201-082025



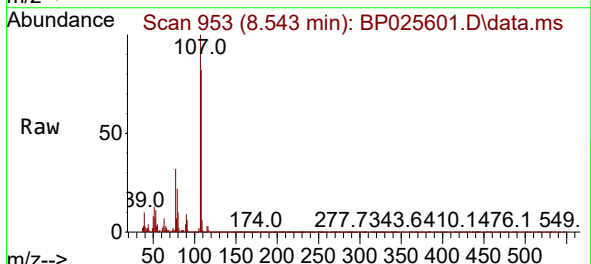
Tgt Ion: 99 Resp: 552294
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 34.0 28.2 42.4

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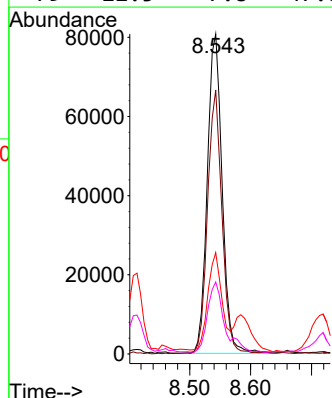
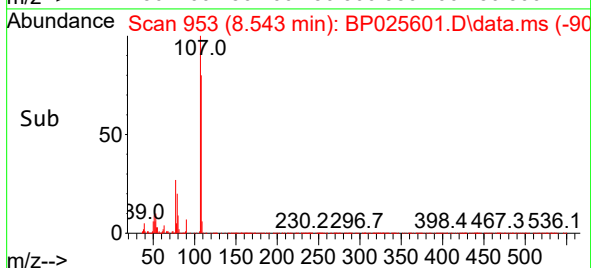
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

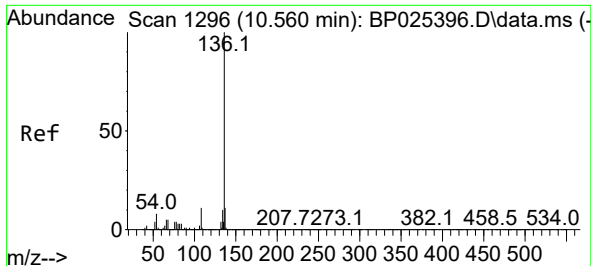


#20
3+4-Methylphenols
Concen: 9.512 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37



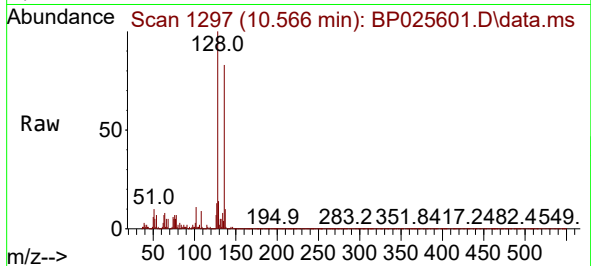
Tgt Ion:107 Resp: 137277
Ion Ratio Lower Upper
107 100
108 82.5 66.3 106.3
77 31.7 12.3 52.3
79 22.5 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 10.566 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

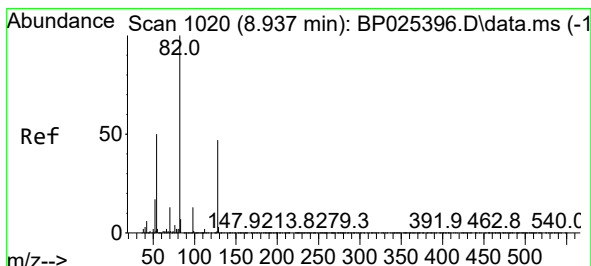
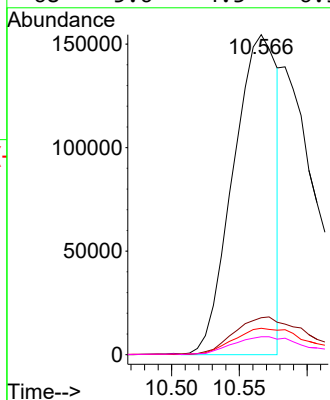
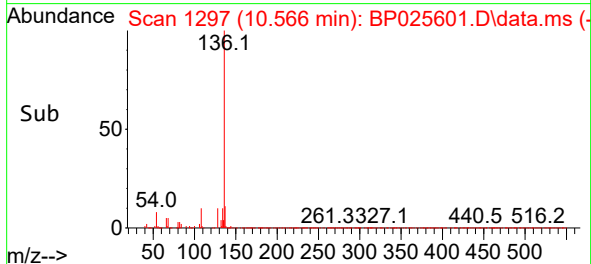
Instrument :
BNA_P
ClientSampleId :
MW-201-082025



Tgt Ion:136 Resp: 34707
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 8.3 6.0 9.0
68 5.6 4.3 6.5

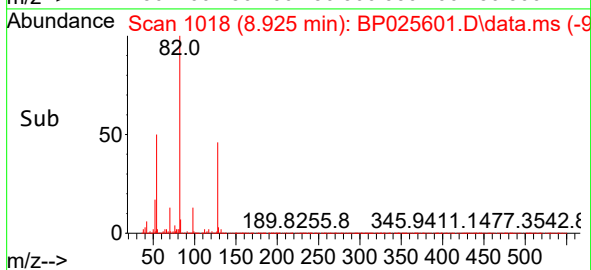
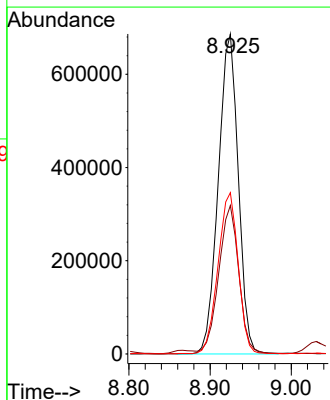
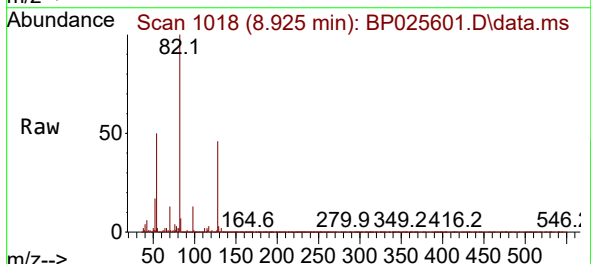
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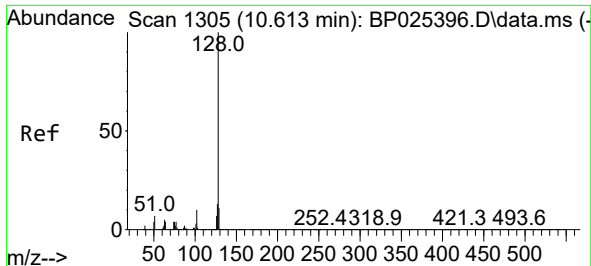
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



#23
Nitrobenzene-d5
Concen: 170.986 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

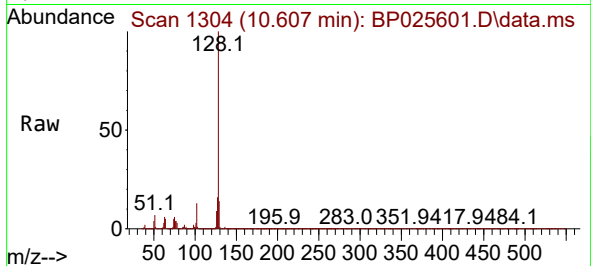
Tgt Ion: 82 Resp: 1173171
Ion Ratio Lower Upper
82 100
128 46.4 37.7 56.5
54 50.4 39.8 59.6





#31
Naphthalene
Concen: 2979.886 ng m
RT: 10.607 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

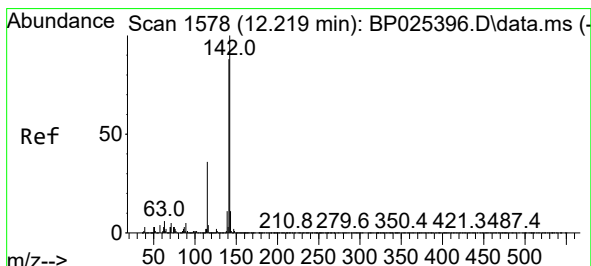
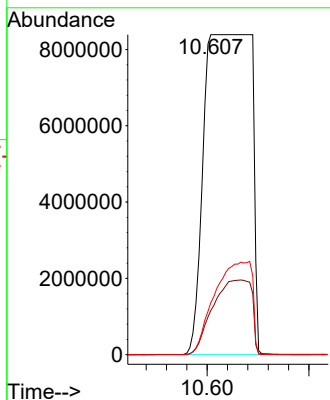
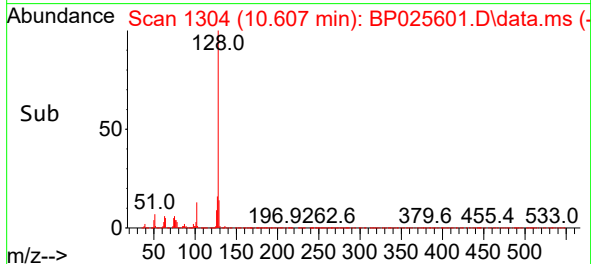
Instrument :
BNA_P
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MW-201-082025



Tgt Ion:128 Resp:53755684
Ion Ratio Lower Upper
128 100
129 13.8 8.6 13.0
127 16.2 10.7 16.1

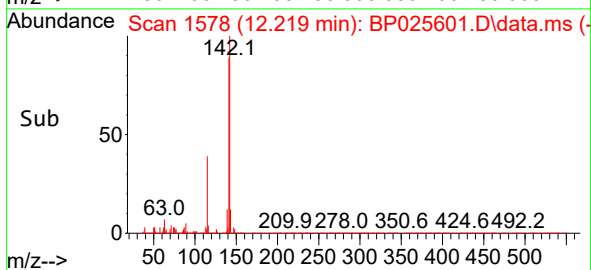
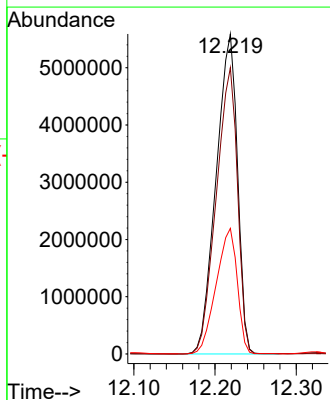
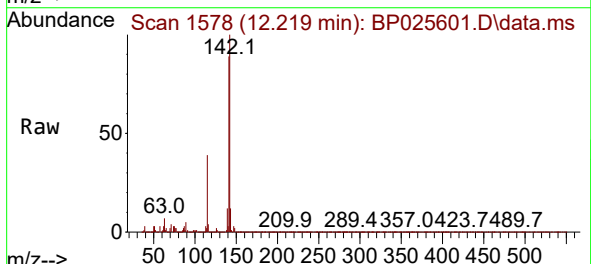
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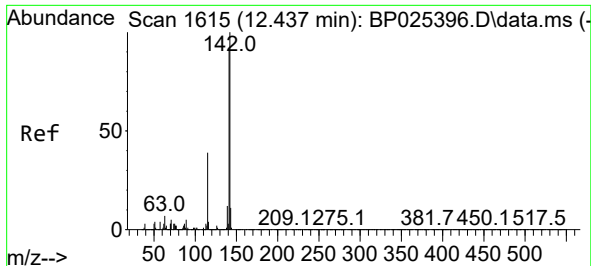
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



#37
2-Methylnaphthalene
Concen: 870.117 ng
RT: 12.219 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

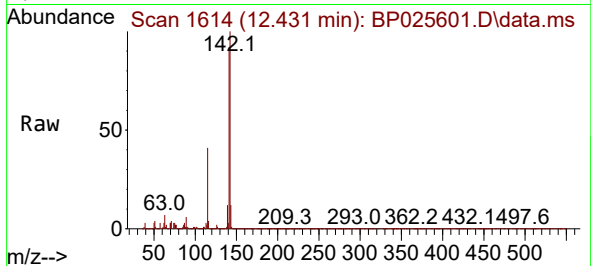
Tgt Ion:142 Resp:10214822
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 39.2 28.9 43.3





#38
1-Methylnaphthalene
Concen: 574.282 ng
RT: 12.431 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

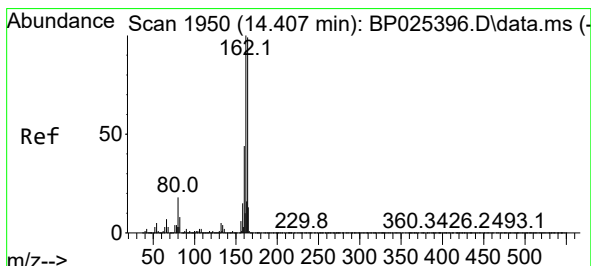
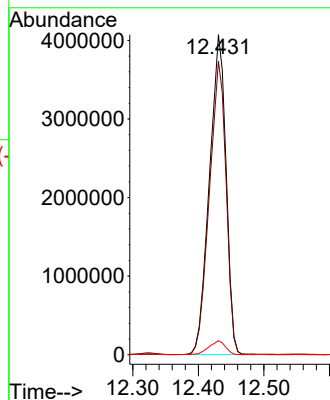
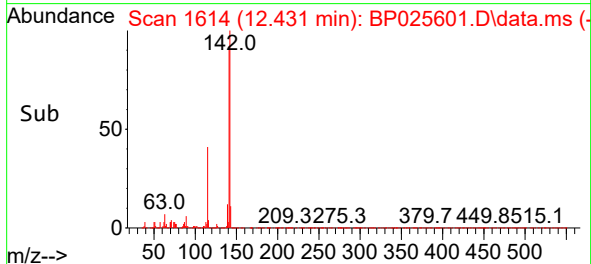
Instrument :
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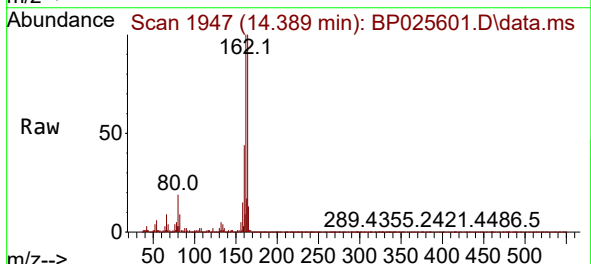
Tgt Ion:142 Resp: 716966
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.4 3.2 4.8

Manual Integrations
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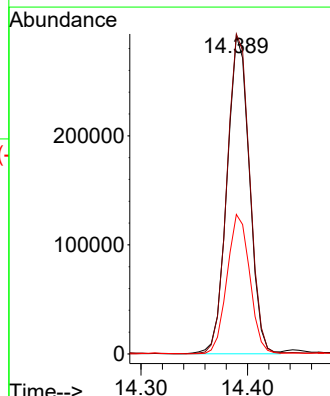
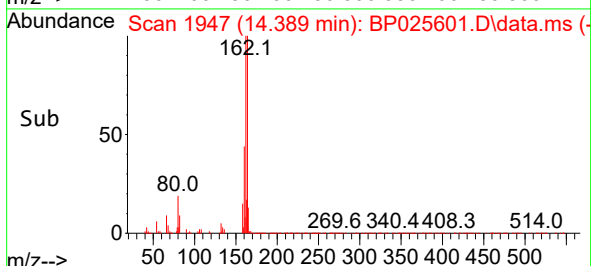
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

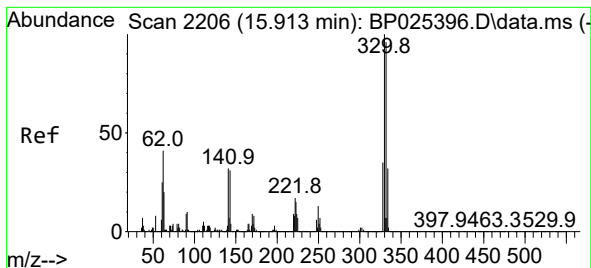


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37



Tgt Ion:164 Resp: 427017
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.6
160 43.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 136.411 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025601.D

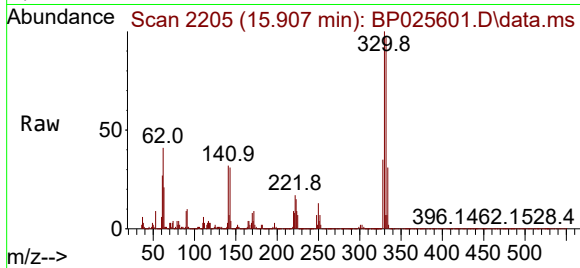
Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025



Tgt Ion:330 Resp: 784050

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

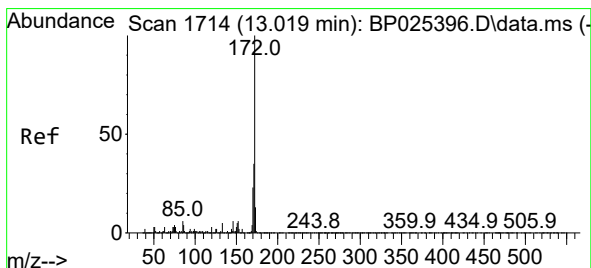
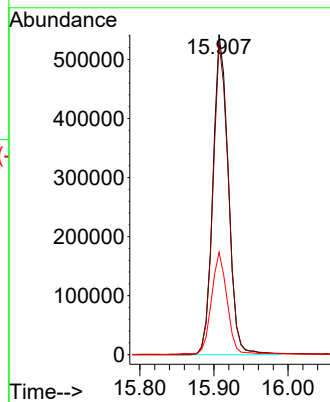
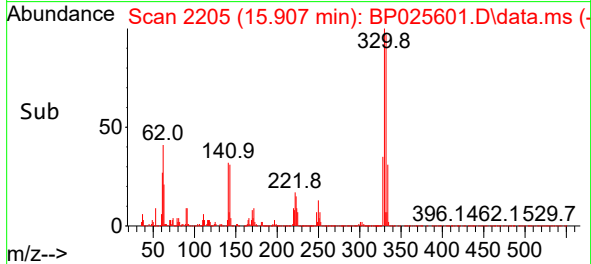
141 32.8 26.6 39.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#45

2-Fluorobiphenyl

Concen: 78.763 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

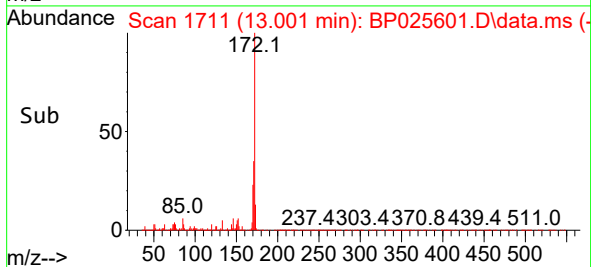
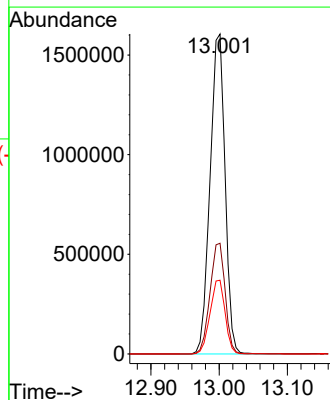
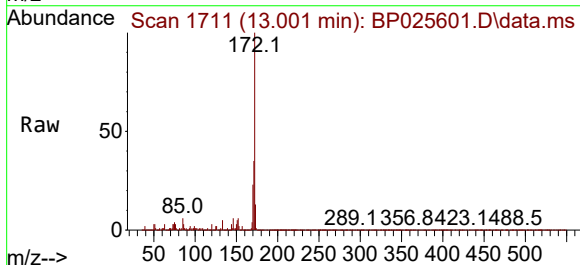
Tgt Ion:172 Resp: 2460938

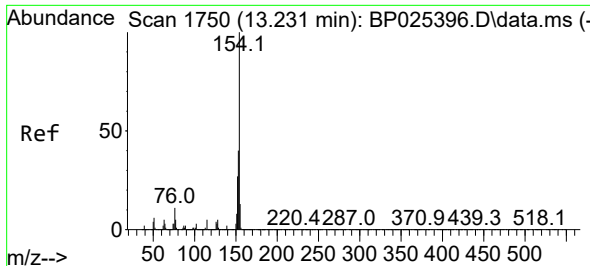
Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 23.1 18.6 28.0





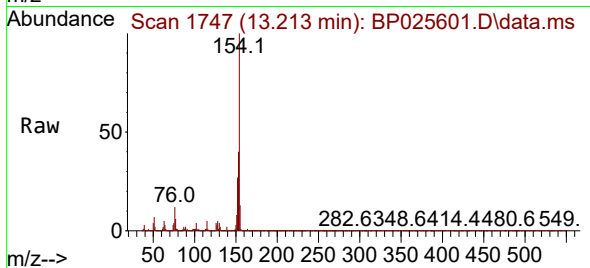
#46
1,1'-Biphenyl
Concen: 24.714 ng
RT: 13.213 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025



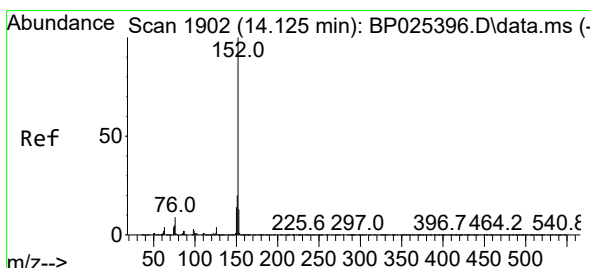
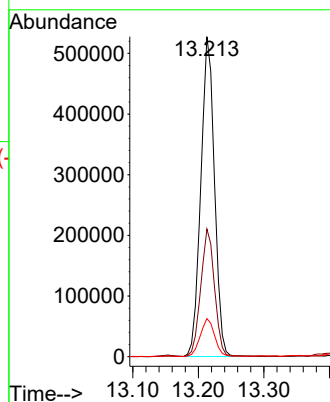
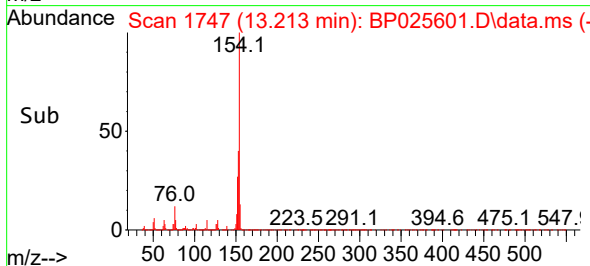
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Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 11.9 0.0 31.1

Manual Integrations

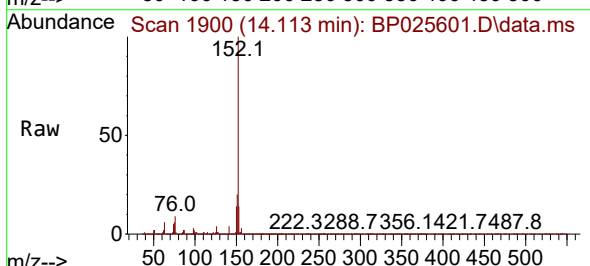
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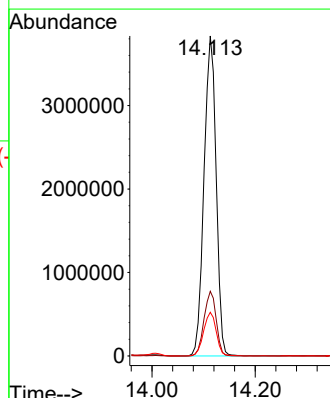
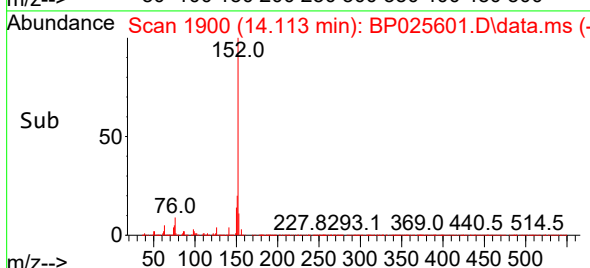
Supervised By :Jagrut Upadhyay 08/28/2025

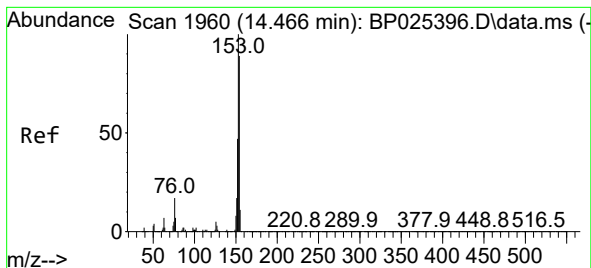


#49
Acenaphthylene
Concen: 156.029 ng
RT: 14.113 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37



Tgt Ion:152 Resp: 6233315
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.7 10.6 15.8





#52

Acenaphthene

Concen: 8.287 ng

RT: 14.454 min Scan# 1960

Delta R.T. -0.012 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025

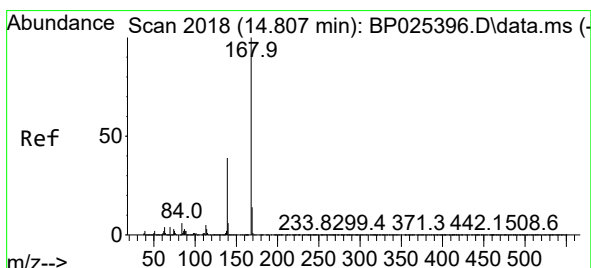
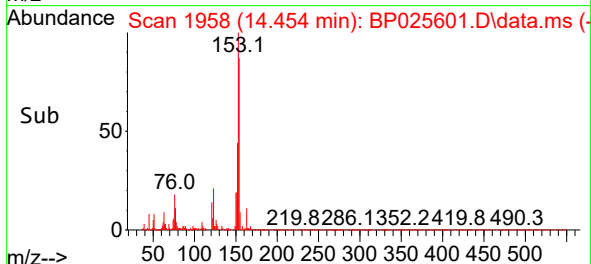
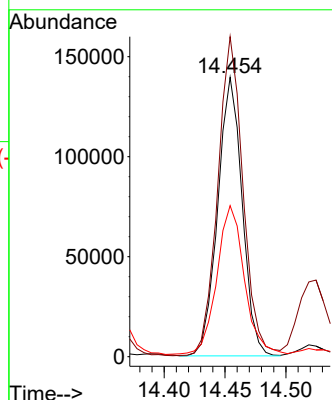
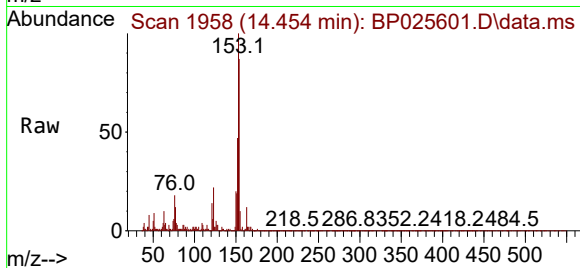
Tgt Ion:154	Resp: 19432
Ion Ratio	Lower Upper
154	100
153	114.6 90.2 135.2
152	54.1 42.1 63.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#55

Dibenzofuran

Concen: 3.820 ng

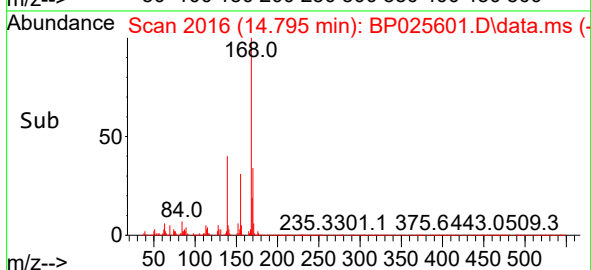
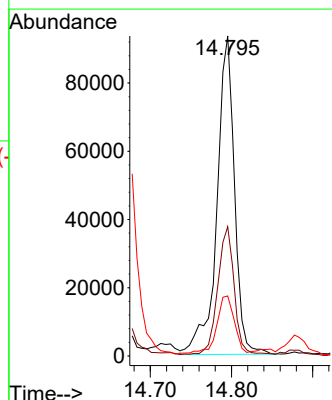
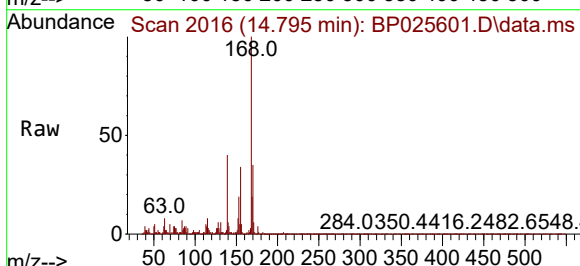
RT: 14.795 min Scan# 2016

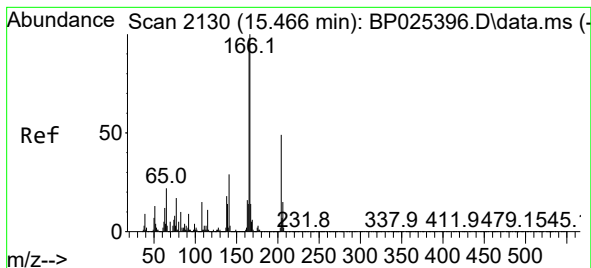
Delta R.T. -0.012 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Tgt Ion:168	Resp: 141629
Ion Ratio	Lower Upper
168	100
139	40.4 31.5 47.3
169	18.7 10.9 16.3





#58

Fluorene

Concen: 26.029 ng

RT: 15.454 min Scan# 2130

Delta R.T. -0.012 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025

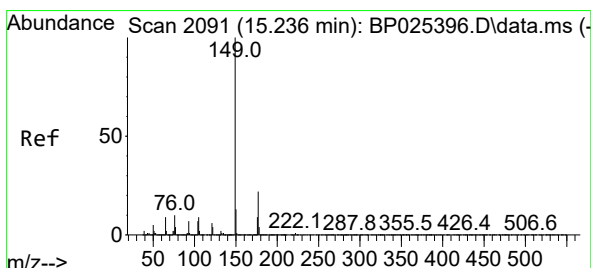
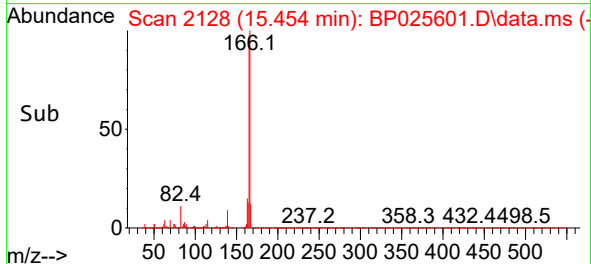
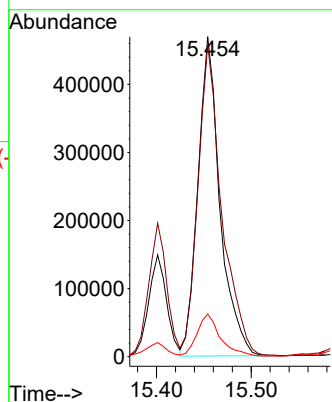
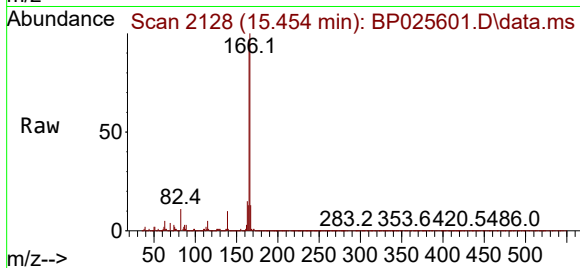
Tgt Ion:166	Resp:	76144	
Ion Ratio	Lower	Upper	
166	100		
165	97.5	78.8	118.2
167	13.3	11.0	16.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#60

Diethylphthalate

Concen: 2.019 ng

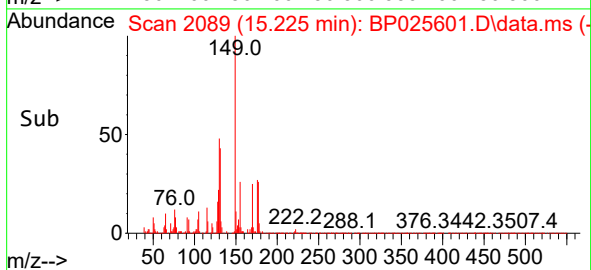
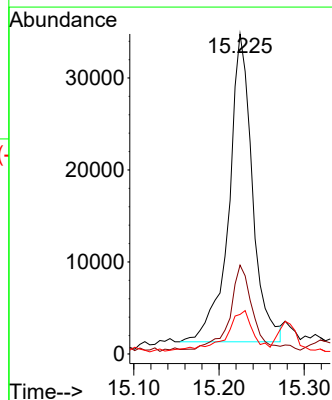
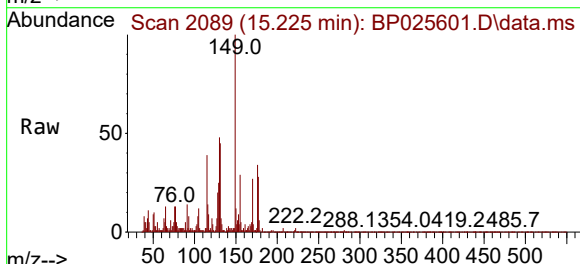
RT: 15.225 min Scan# 2089

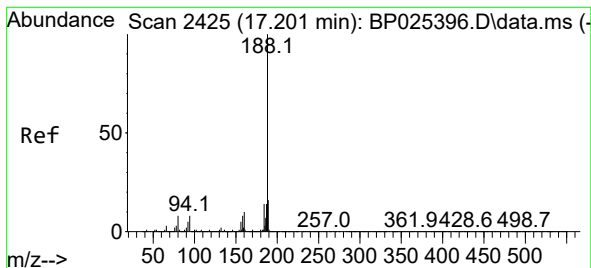
Delta R.T. -0.012 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Tgt Ion:149	Resp:	64135	
Ion Ratio	Lower	Upper	
149	100		
177	27.7	17.3	25.9#
150	12.3	10.3	15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025

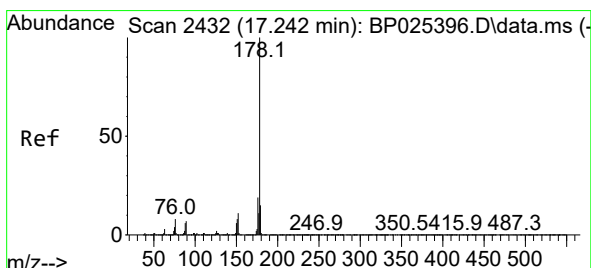
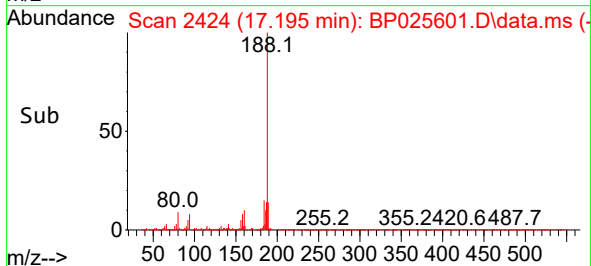
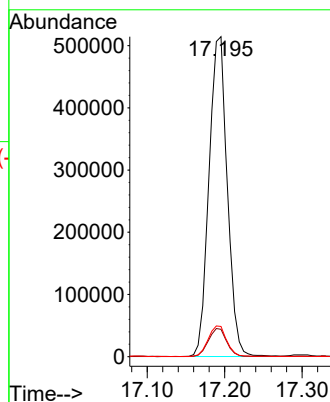
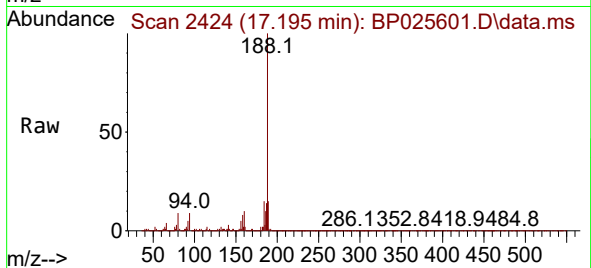
Tgt Ion:188	Resp: 842894
Ion Ratio	Lower Upper
188 100	
94 8.5	6.6 10.0
80 9.4	6.7 10.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#71

Phenanthrene

Concen: 28.104 ng

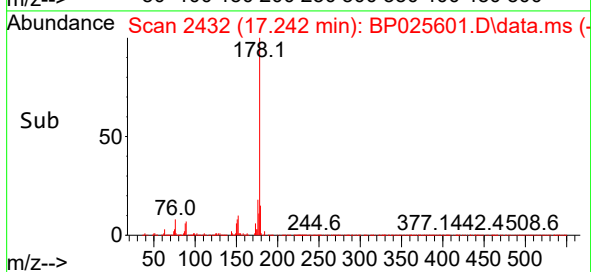
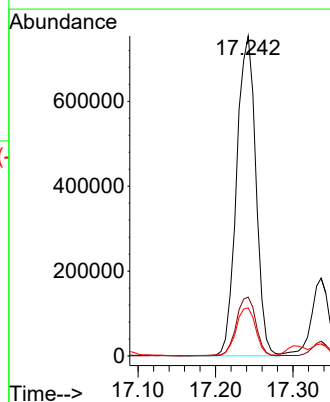
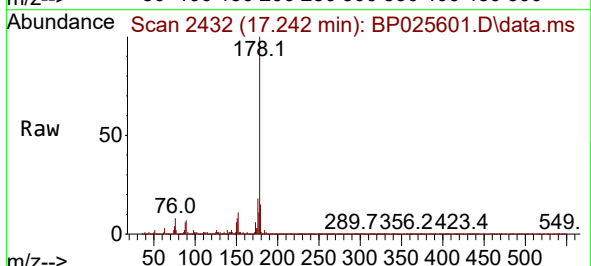
RT: 17.242 min Scan# 2432

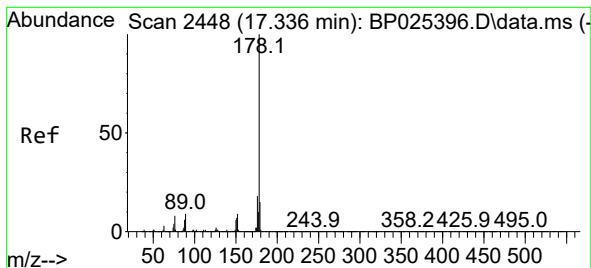
Delta R.T. -0.000 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Tgt Ion:178	Resp: 1301280
Ion Ratio	Lower Upper
178 100	
176 18.4	15.5 23.3
179 15.0	12.2 18.4





#72

Anthracene

Concen: 5.800 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025601.D

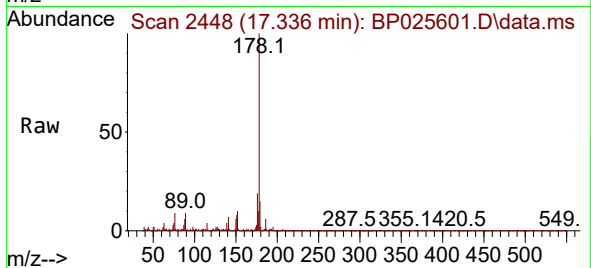
Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025



Tgt Ion:178 Resp: 274260

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

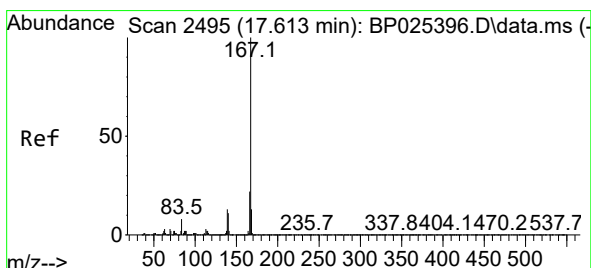
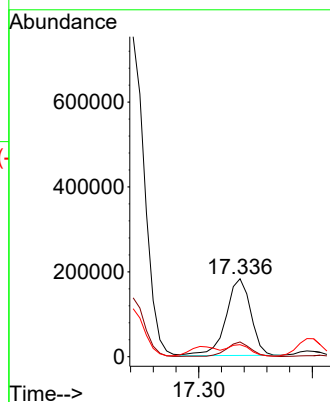
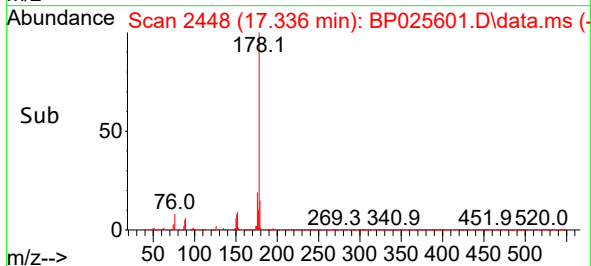
179 15.4 12.2 18.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#73

Carbazole

Concen: 13.150 ng

RT: 17.613 min Scan# 2495

Delta R.T. -0.000 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

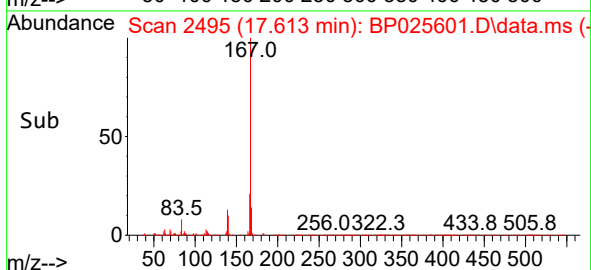
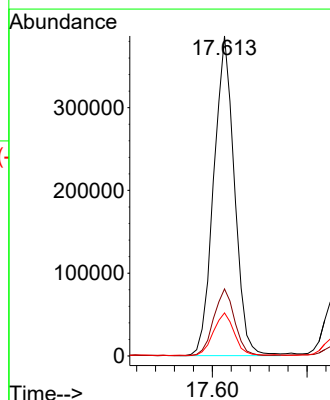
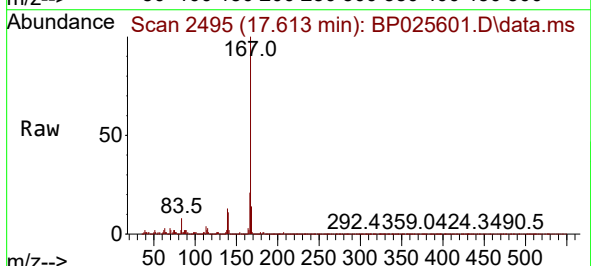
Tgt Ion:167 Resp: 585677

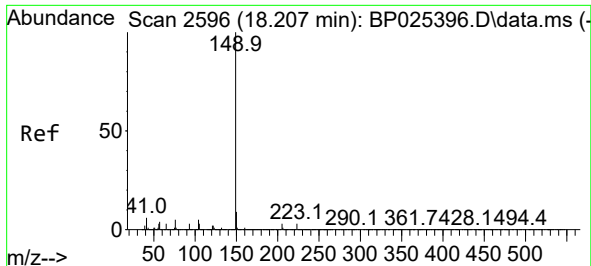
Ion Ratio Lower Upper

167 100

166 20.9 17.5 26.3

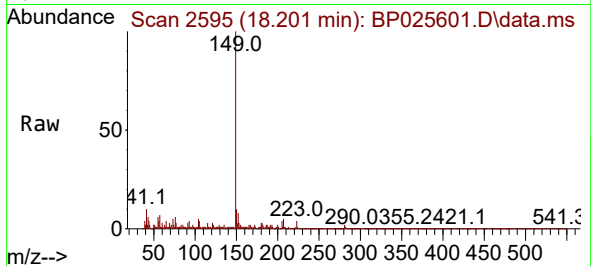
139 13.5 10.6 16.0





#74
Di-n-butylphthalate
Concen: 2.519 ng
RT: 18.201 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

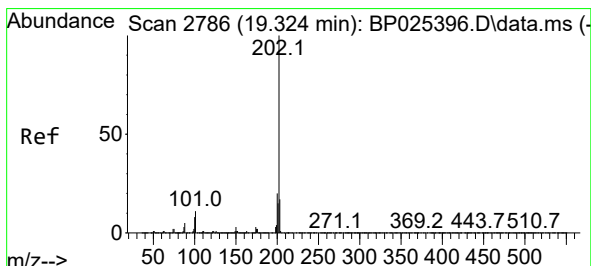
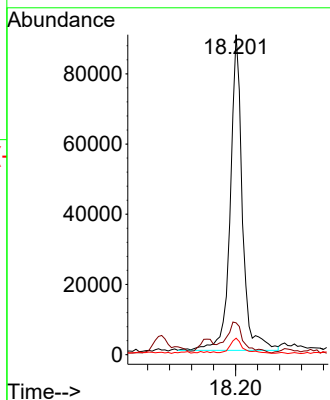
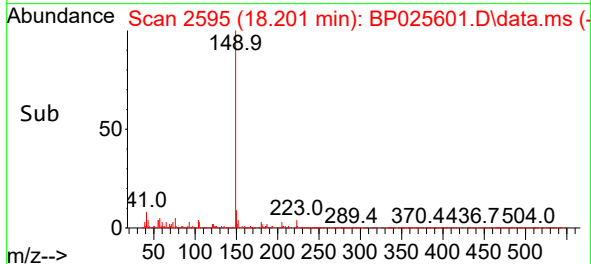
Instrument :
BNA_P
ClientSampleId :
MW-201-082025



Tgt Ion:149 Resp: 138040
Ion Ratio Lower Upper
149 100
150 9.9 7.4 11.0
104 5.1 4.2 6.2

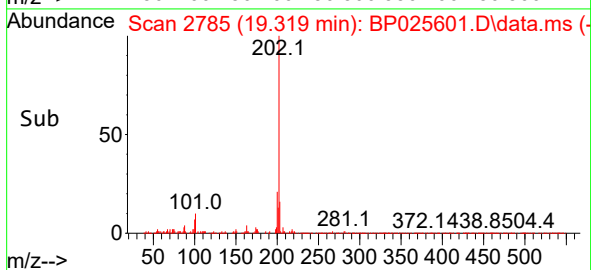
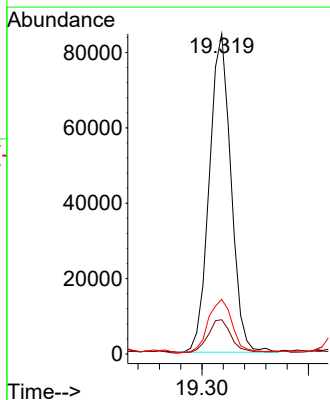
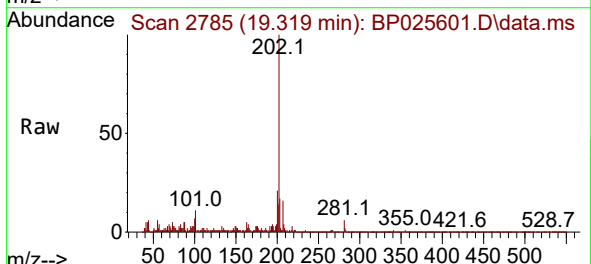
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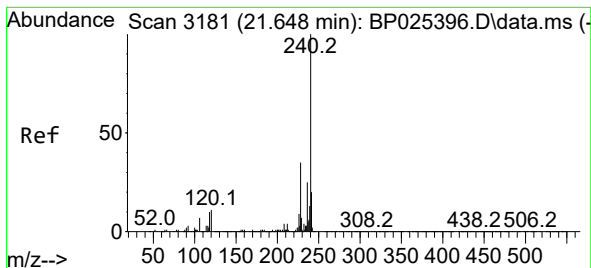
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



#75
Fluoranthene
Concen: 2.157 ng
RT: 19.319 min Scan# 2785
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

Tgt Ion:202 Resp: 119116
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.1
203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3181

Delta R.T. -0.012 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

Instrument :

BNA_P

ClientSampleId :

MW-201-082025

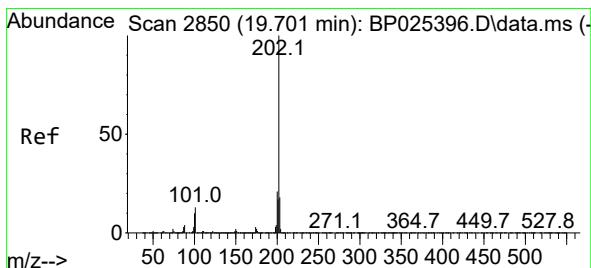
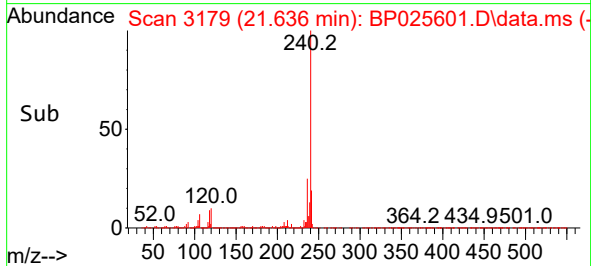
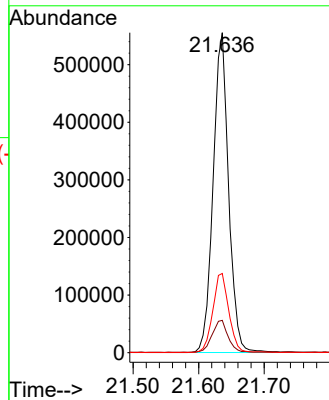
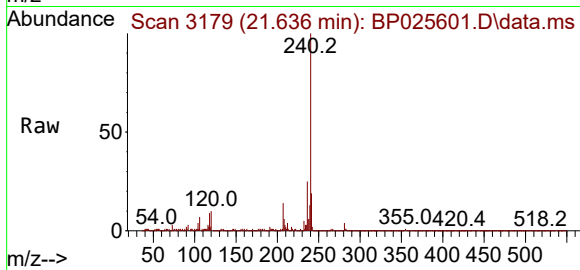
Tgt Ion:240 Resp: 908510
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.9 13.3
 236 24.8 19.8 29.8

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Reviewed By :Rahul Chavli 08/28/2025

Supervised By :Jagrut Upadhyay 08/28/2025



#78

Pyrene

Concen: 2.837 ng

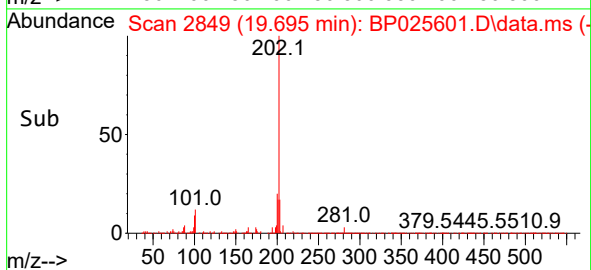
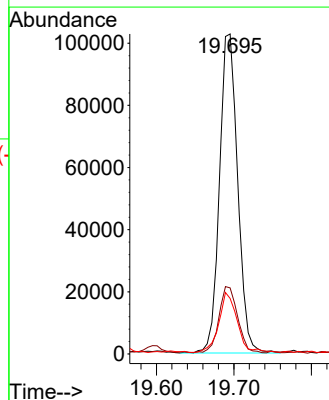
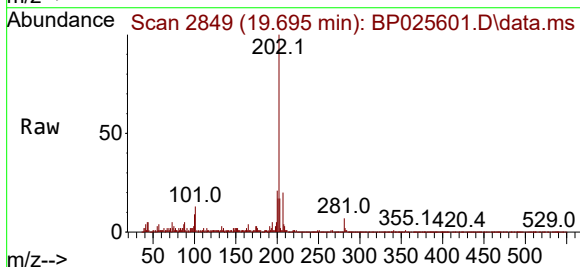
RT: 19.695 min Scan# 2849

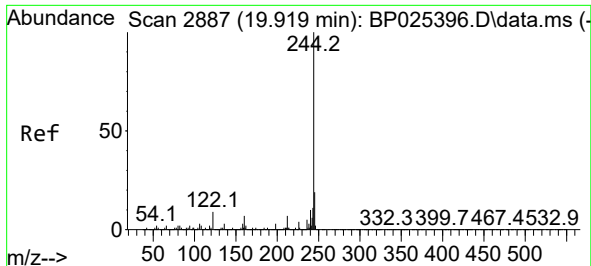
Delta R.T. -0.006 min

Lab File: BP025601.D

Acq: 27 Aug 2025 13:37

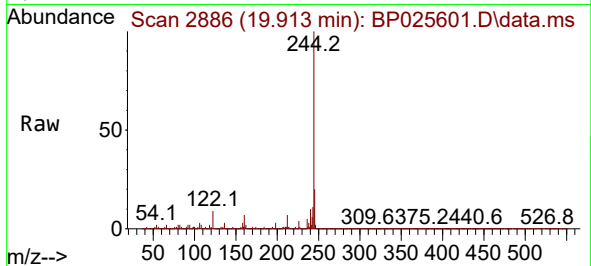
Tgt Ion:202 Resp: 167520
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.9 25.3
 203 17.4 14.2 21.2





#79
Terphenyl-d14
Concen: 74.049 ng
RT: 19.913 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37

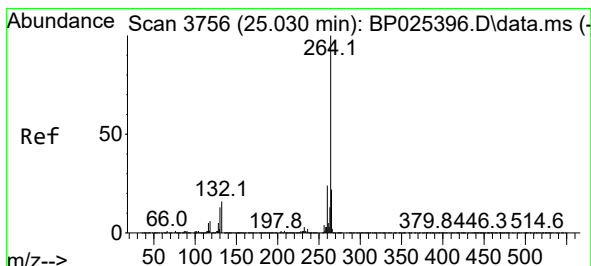
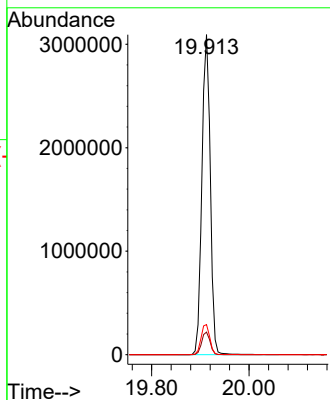
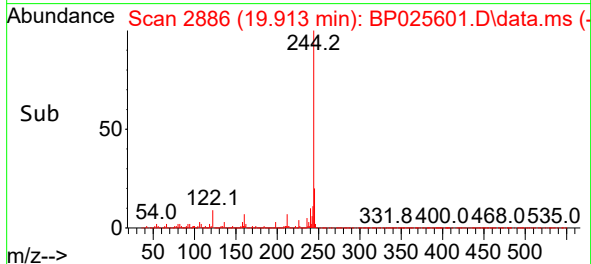
Instrument :
BNA_P
ClientSampleId :
MW-201-082025



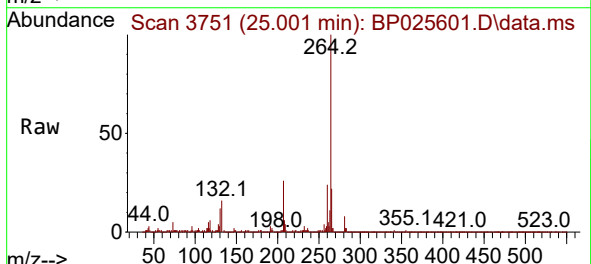
Tgt Ion:244 Resp: 3677080
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 9.4 7.4 11.2

Manual Integrations
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Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025601.D
Acq: 27 Aug 2025 13:37



Tgt Ion:264 Resp: 1056970
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 22.1 17.4 26.0

