

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025883.D
 Acq On : 29 Sep 2025 16:26
 Operator : CG/JU
 Sample : Q3206-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-06-092525

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/30/2025
 Supervised By :Jagrut Upadhyay 09/30/2025

Quant Time: Sep 29 16:50:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.748	152	200847	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	701994	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	399464	20.000	ng	0.00
64) Phenanthrene-d10	17.171	188	811317	20.000	ng	-0.01
76) Chrysene-d12	21.618	240	988600	20.000	ng	-0.02
86) Perylene-d12	24.959	264	1164207	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	487599	39.172	ng	0.00
7) Phenol-d6	6.954	99	568346	34.351	ng	0.00
23) Nitrobenzene-d5	8.895	82	339234	21.316	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	207971	41.740	ng	-0.01
45) 2-Fluorobiphenyl	12.978	172	648542	21.617	ng	-0.01
79) Terphenyl-d14	19.889	244	1065277	19.385	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.436	154	62880	2.850	ng	97
58) Fluorene	15.430	166	85630	2.995	ng	# 98
71) Phenanthrene	17.213	178	780857	16.967	ng	99
72) Anthracene	17.307	178	226778	4.856	ng	99
73) Carbazole	17.595	167	110566	2.547	ng	98
75) Fluoranthene	19.301	202	1054521	19.105	ng	100
78) Pyrene	19.677	202	917880	13.915	ng	98
81) Benzo(a)anthracene	21.595	228	490517	7.247	ng	98
83) Chrysene	21.659	228	464807	7.204	ng	97
87) Indeno(1,2,3-cd)pyrene	28.800	276	297530	3.514	ng	# 85
88) Benzo(b)fluoranthene	23.918	252	594138	8.345	ng	# 95
89) Benzo(k)fluoranthene	23.977	252	254178m	3.499	ng	
90) Benzo(a)pyrene	24.812	252	448841	6.438	ng	95
92) Benzo(g,h,i)perylene	29.983	276	279796	4.106	ng	94

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

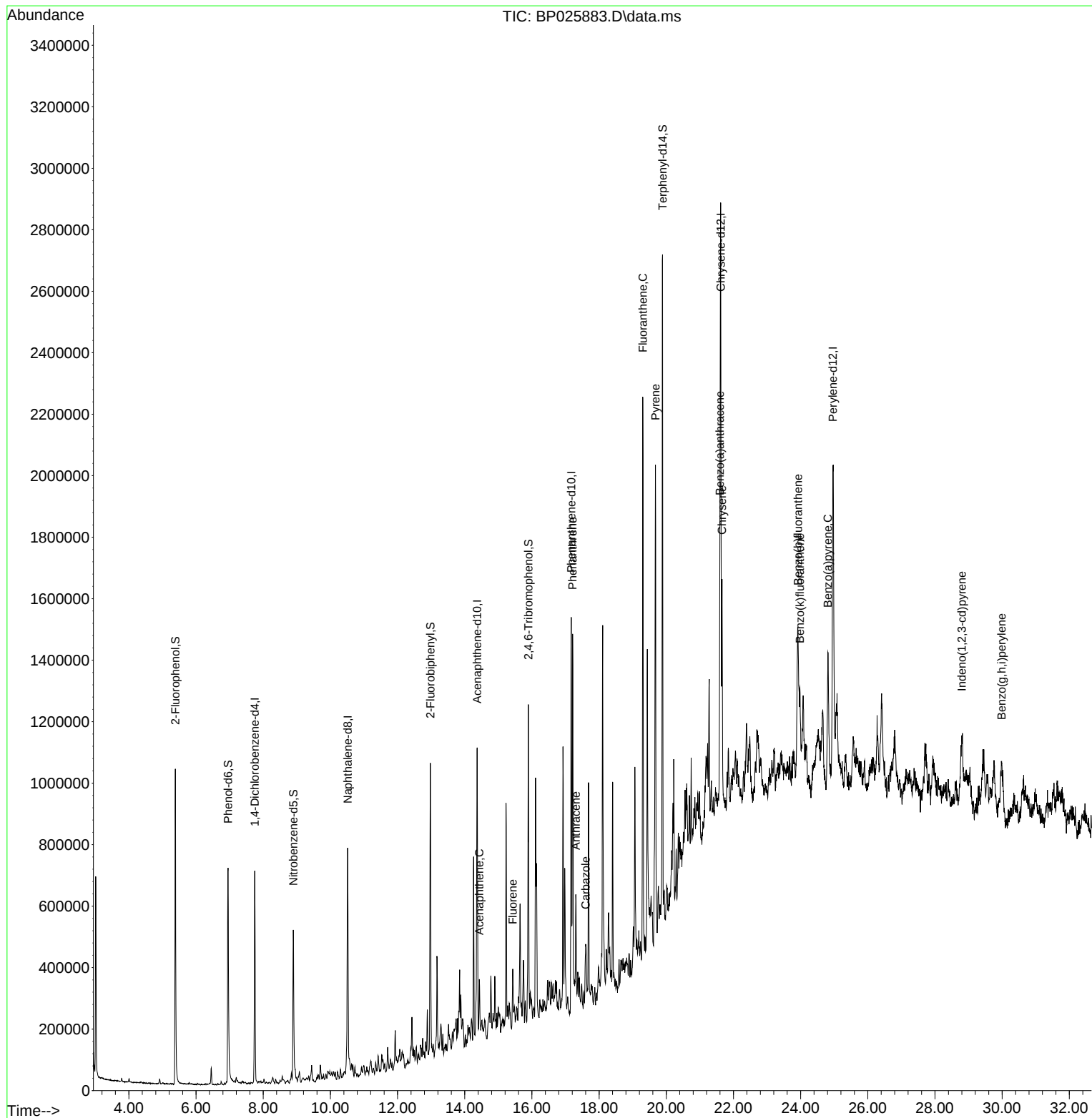
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025883.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

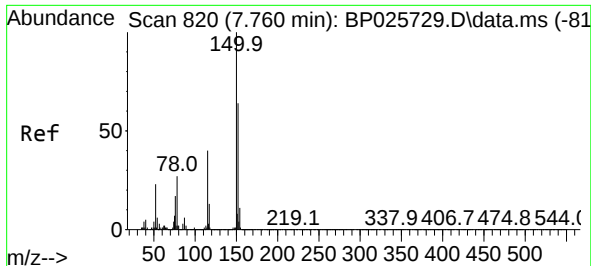
Instrument :
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Quant Time: Sep 29 16:50:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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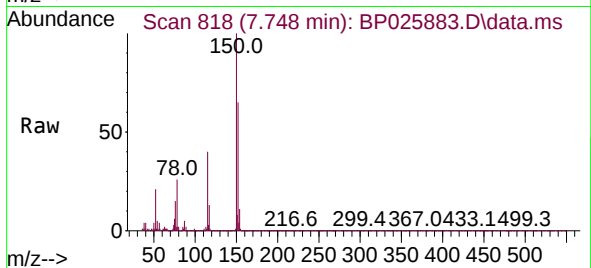
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.748 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

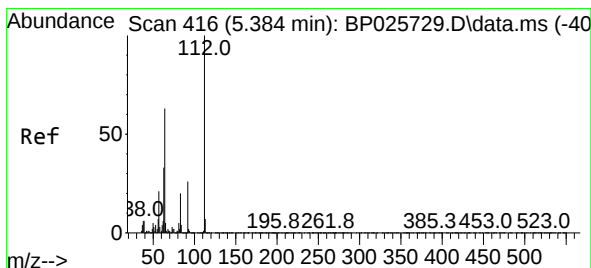
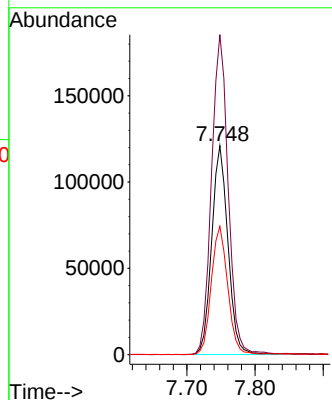
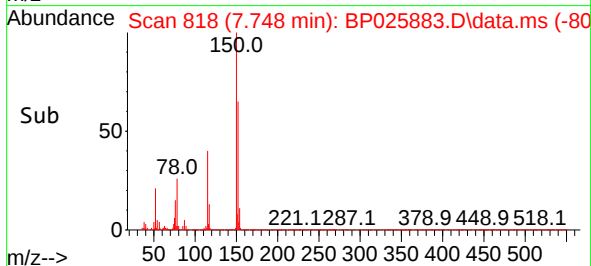
Instrument :
BNA_P
ClientSampleId :
TR-06-092525



Tgt Ion:152 Resp: 20084
Ion Ratio Lower Upper
152 100
150 153.2 124.3 186.5
115 61.4 50.3 75.5

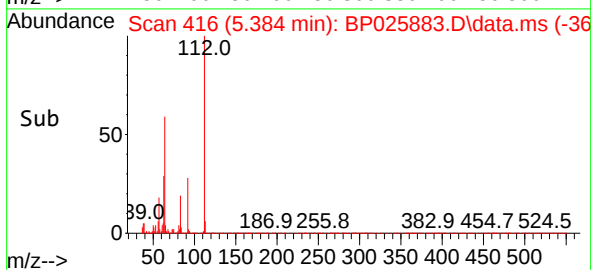
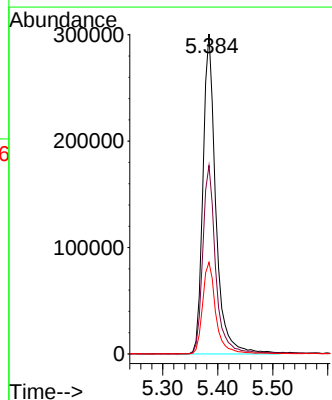
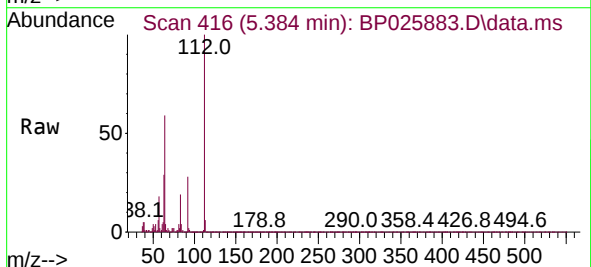
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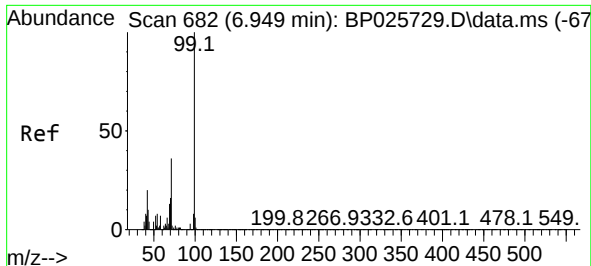
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#5
2-Fluorophenol
Concen: 39.172 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Tgt Ion:112 Resp: 487599
Ion Ratio Lower Upper
112 100
64 58.9 50.2 75.4
63 28.6 26.7 40.1





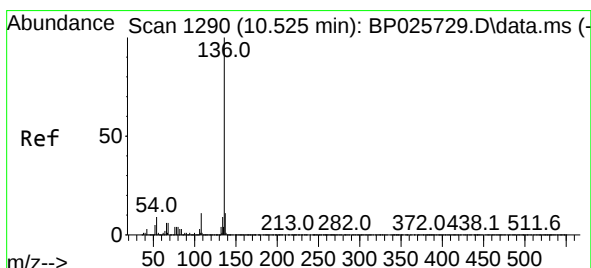
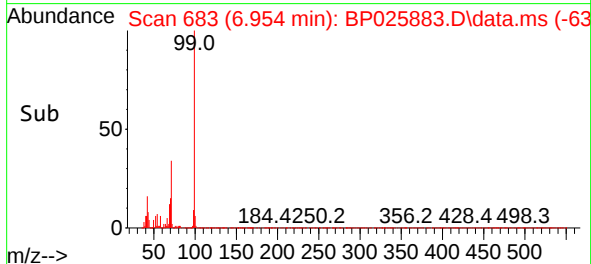
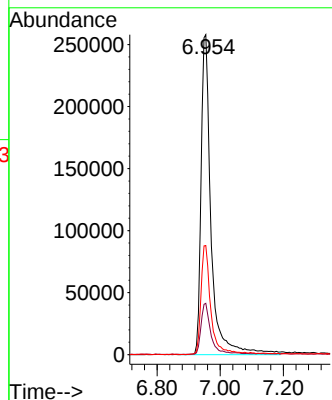
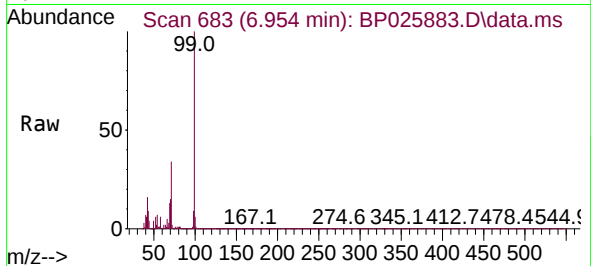
#7
Phenol-d6
Concen: 34.351 ng
RT: 6.954 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Instrument :
BNA_P
ClientSampleId :
TR-06-092525

Tgt Ion: 99 Resp: 568346
Ion Ratio Lower Upper
99 100
42 16.0 15.6 23.4
71 34.1 28.6 43.0

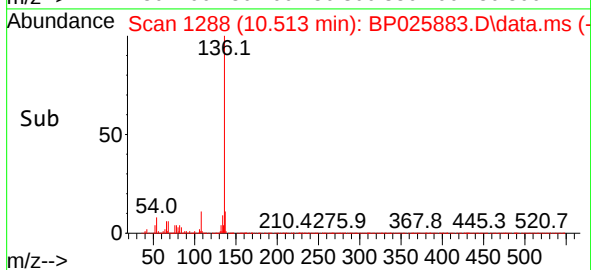
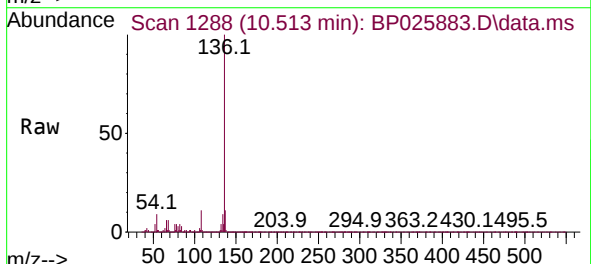
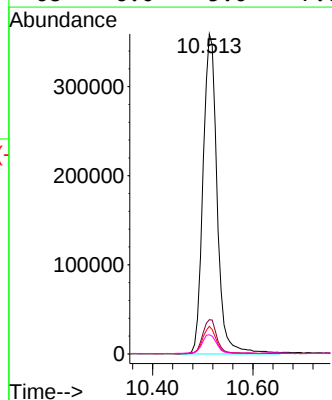
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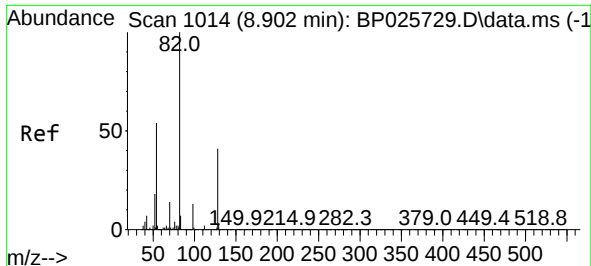
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

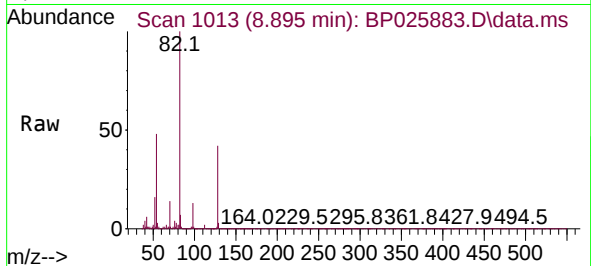
Tgt Ion:136 Resp: 701994
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 8.6 7.5 11.3
68 6.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 21.316 ng
RT: 8.895 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

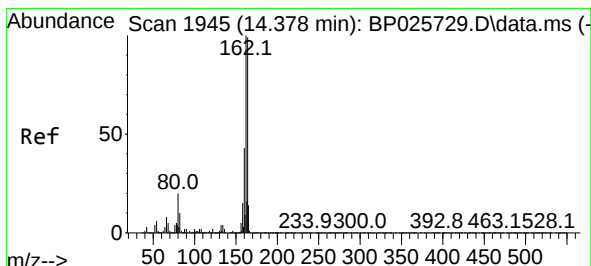
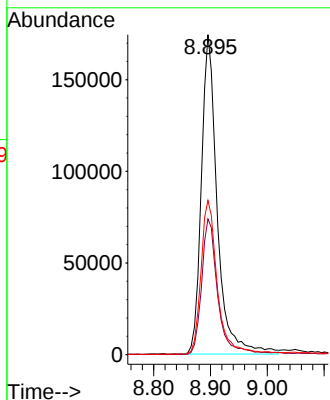
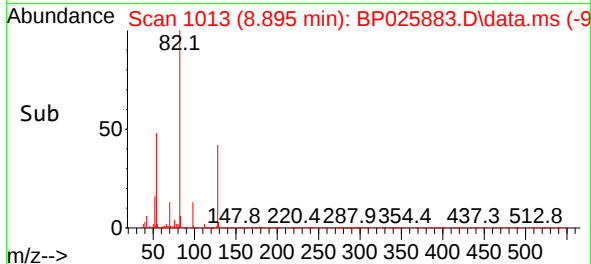
Instrument :
BNA_P
ClientSampleId :
TR-06-092525



Tgt Ion: 82 Resp: 339234
Ion Ratio Lower Upper
82 100
128 42.4 32.9 49.3
54 48.2 43.4 65.2

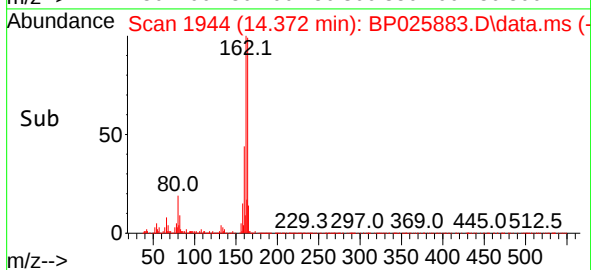
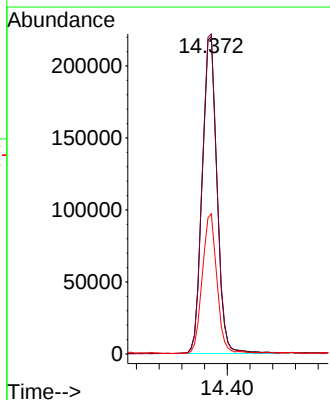
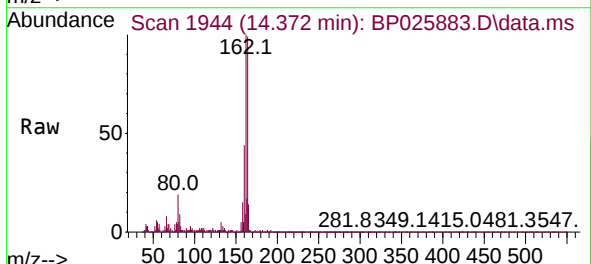
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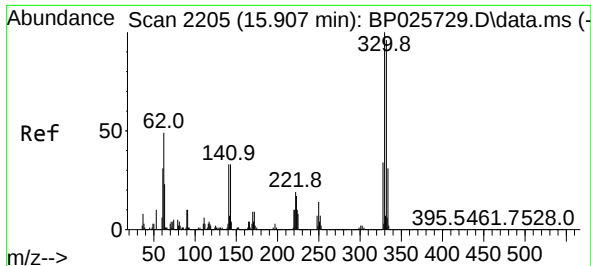
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

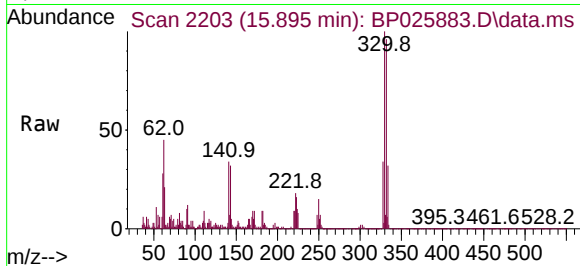
Tgt Ion:164 Resp: 399464
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.1 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 41.740 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

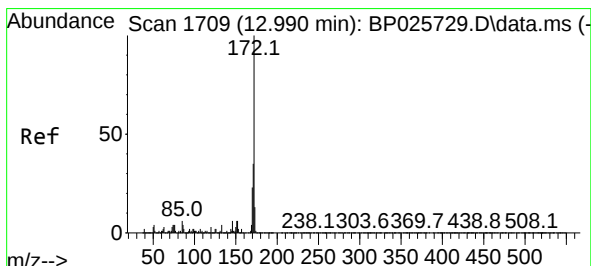
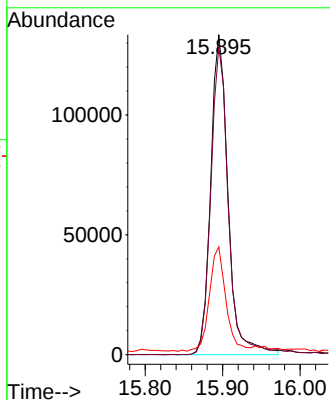
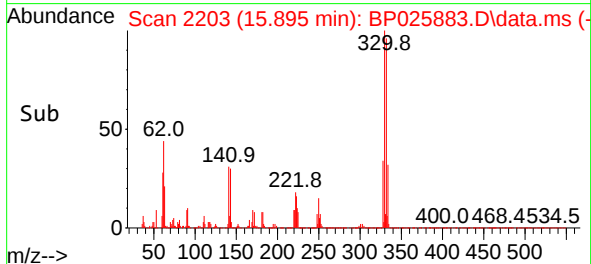
Instrument :
BNA_P
ClientSampleId :
TR-06-092525



Tgt Ion:330 Resp: 20797
Ion Ratio Lower Upper
330 100
332 97.9 76.9 115.3
141 31.0 31.0 46.4

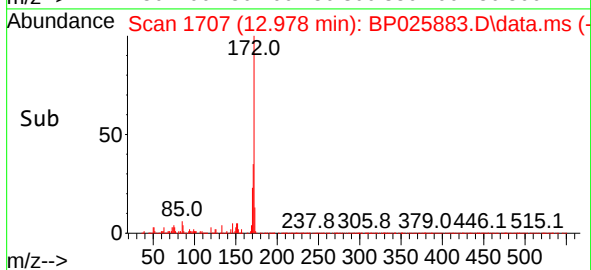
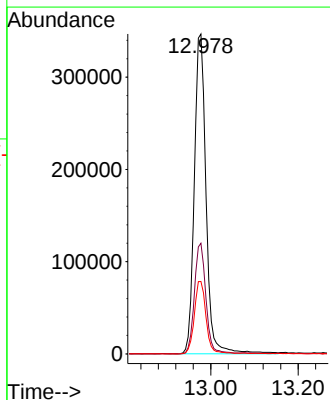
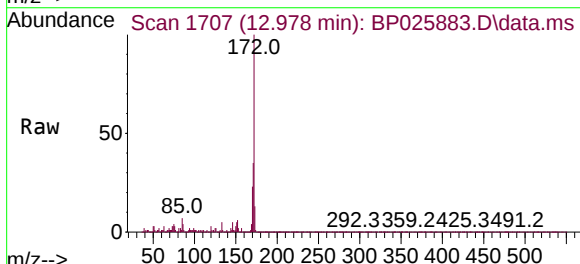
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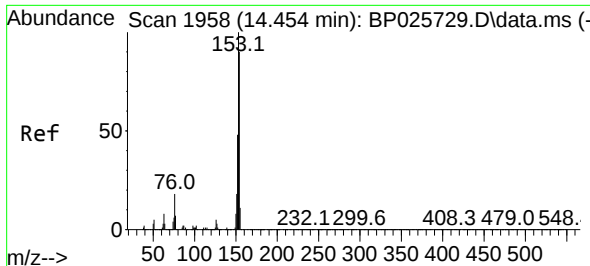
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#45
2-Fluorobiphenyl
Concen: 21.617 ng
RT: 12.978 min Scan# 1707
Delta R.T. -0.012 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Tgt Ion:172 Resp: 648542
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 22.6 18.6 27.8





#52
Acenaphthene
Concen: 2.850 ng
RT: 14.436 min Scan# 1958
Delta R.T. -0.018 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

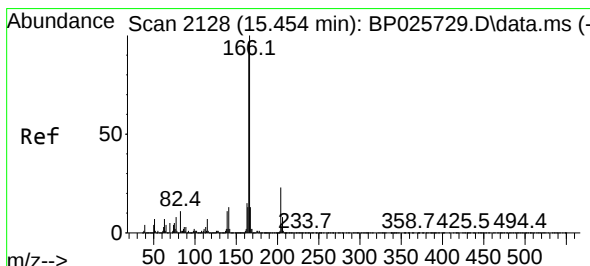
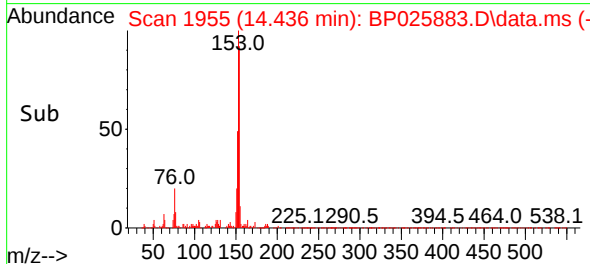
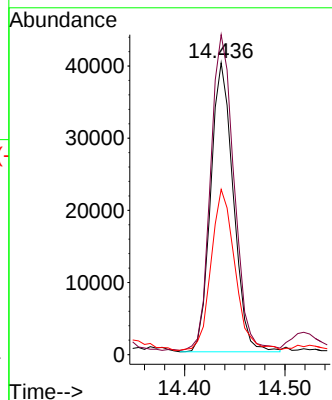
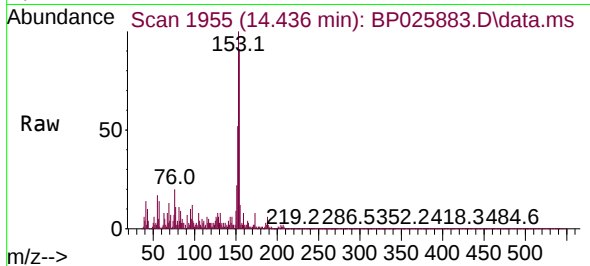
ClientSampleId :

TR-06-092525

Tgt Ion:154 Resp: 62880
Ion Ratio Lower Upper
154 100
153 109.6 89.4 134.0
152 56.6 42.5 63.7

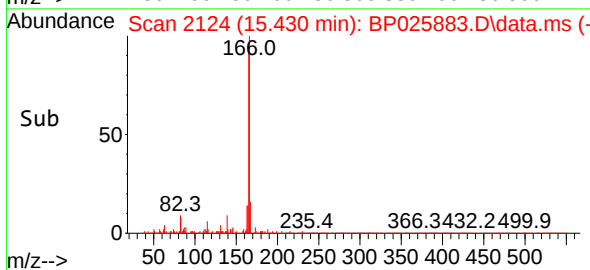
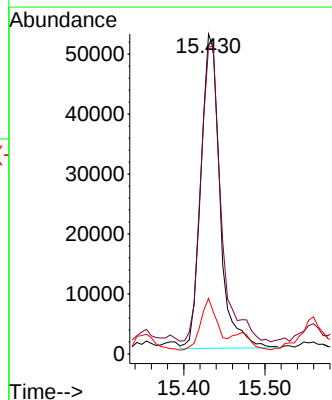
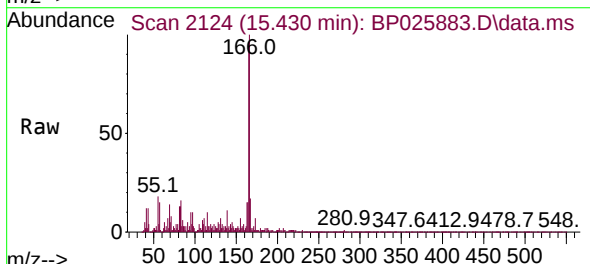
Manual Integrations
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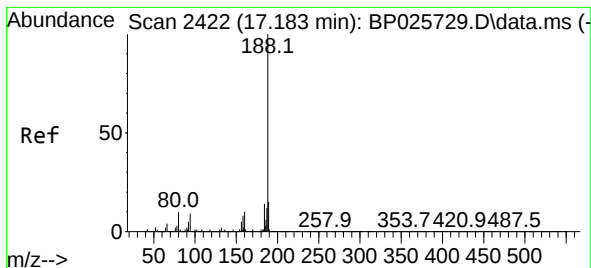
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#58
Fluorene
Concen: 2.995 ng
RT: 15.430 min Scan# 2124
Delta R.T. -0.024 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Tgt Ion:166 Resp: 85630
Ion Ratio Lower Upper
166 100
165 95.9 77.7 116.5
167 17.3 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.171 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

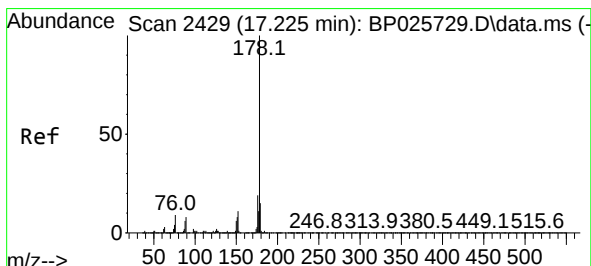
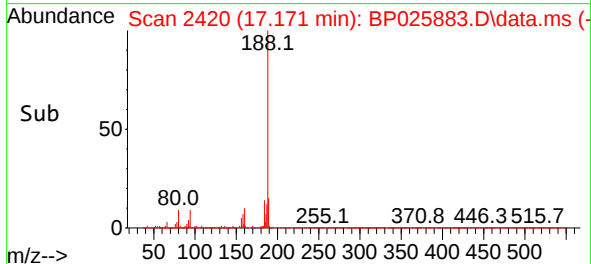
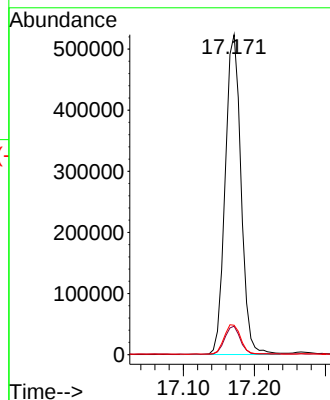
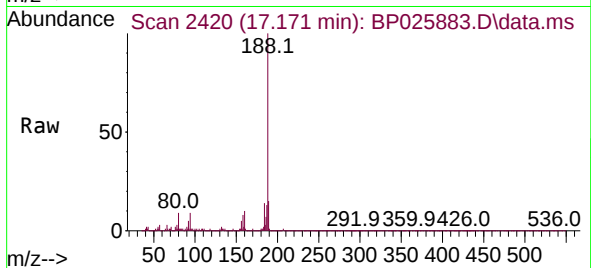
Tgt Ion:188	Resp: 81131
Ion Ratio	Lower Upper
188 100	
94 8.9	7.4 11.0
80 9.2	7.7 11.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/30/2025



#71

Phenanthrene

Concen: 16.967 ng

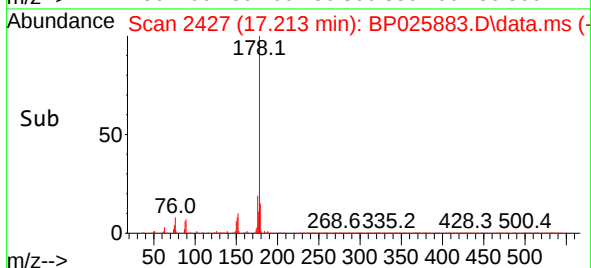
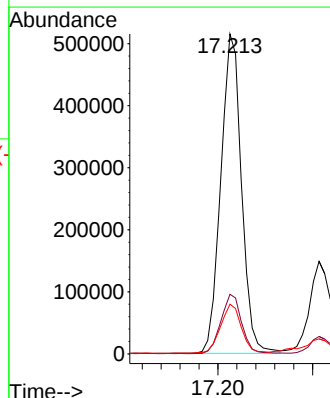
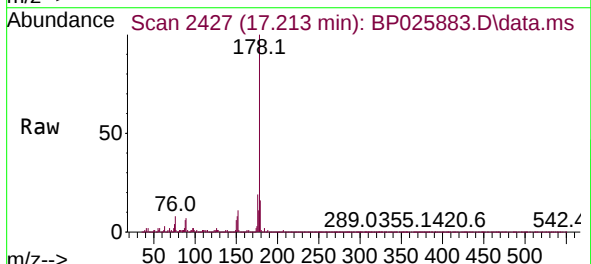
RT: 17.213 min Scan# 2427

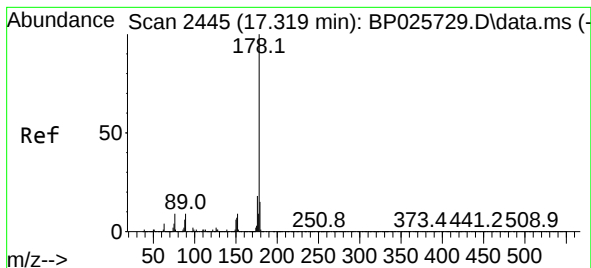
Delta R.T. -0.012 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Tgt Ion:178	Resp: 780857
Ion Ratio	Lower Upper
178 100	
176 18.6	15.4 23.2
179 15.6	12.2 18.4





#72

Anthracene

Concen: 4.856 ng

RT: 17.307 min Scan# 2445

Delta R.T. -0.012 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

Tgt Ion:178 Resp: 226778

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

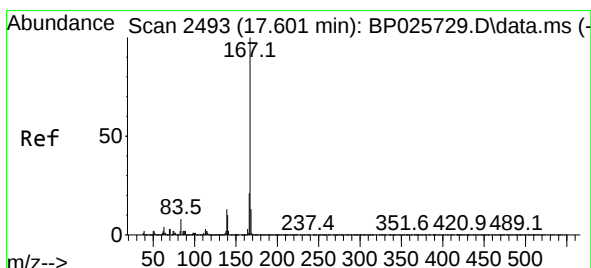
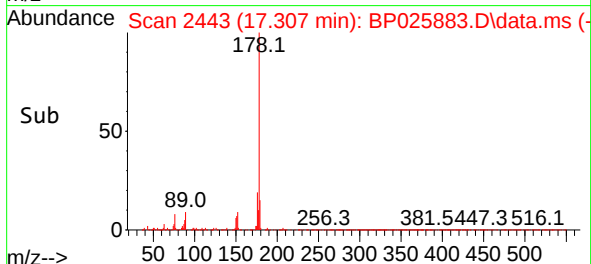
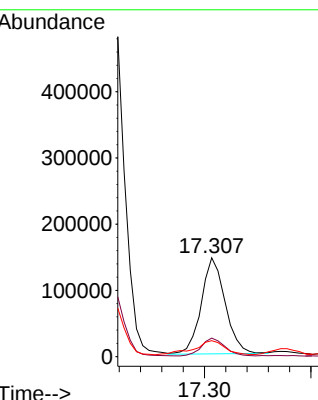
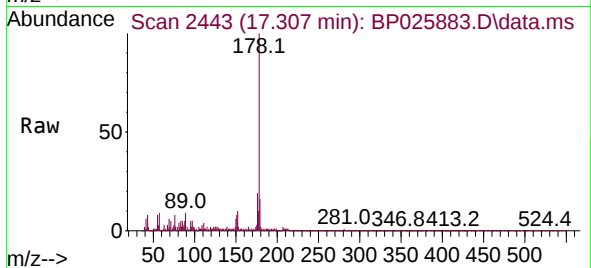
179 16.2 12.2 18.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/30/2025



#73

Carbazole

Concen: 2.547 ng

RT: 17.595 min Scan# 2492

Delta R.T. -0.006 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

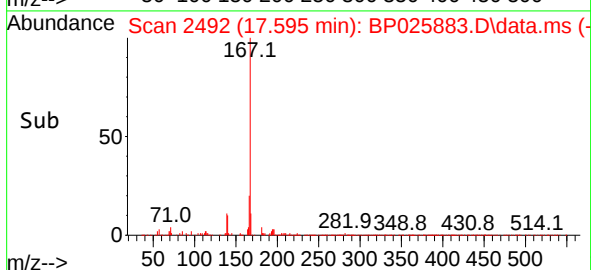
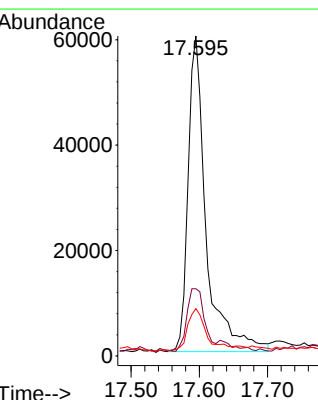
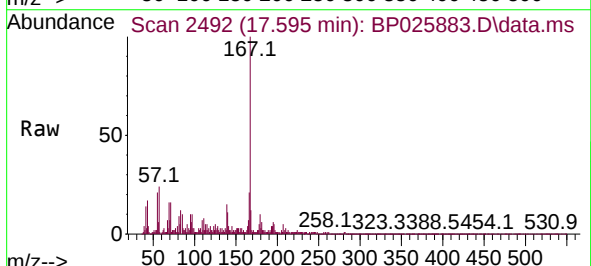
Tgt Ion:167 Resp: 110566

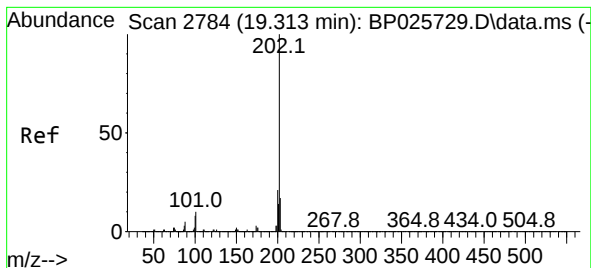
Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.4

139 14.8 10.6 16.0





#75

Fluoranthene

Concen: 19.105 ng

RT: 19.301 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

Tgt Ion:202 Resp: 105452

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

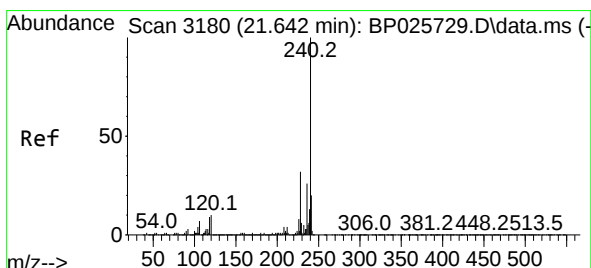
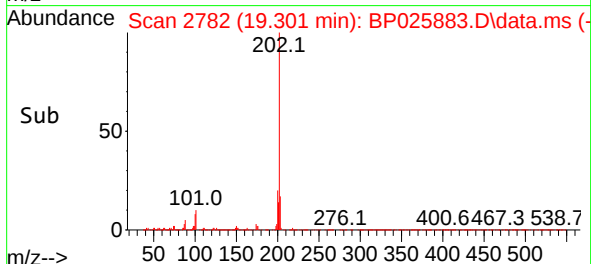
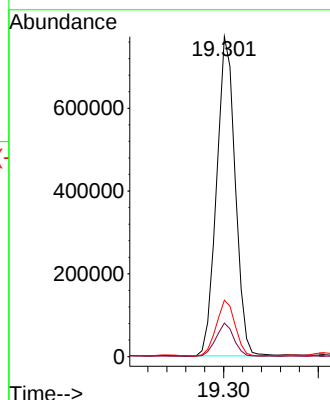
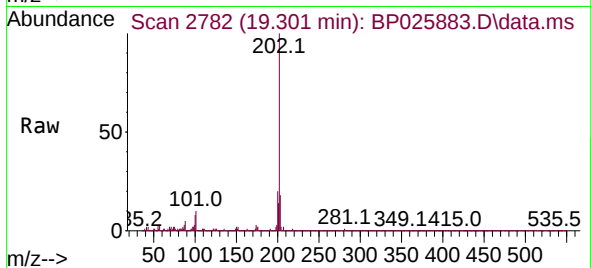
203 17.6 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.024 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

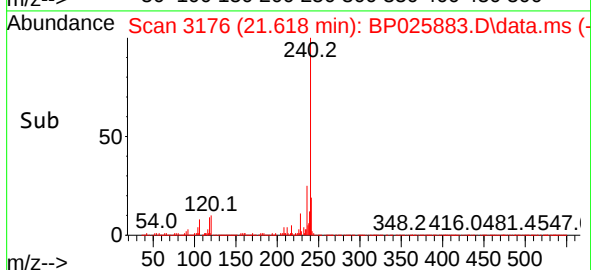
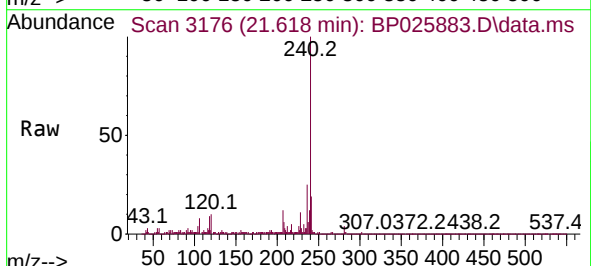
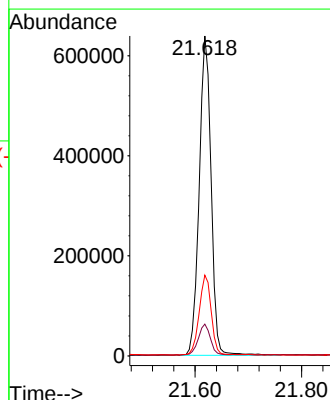
Tgt Ion:240 Resp: 988600

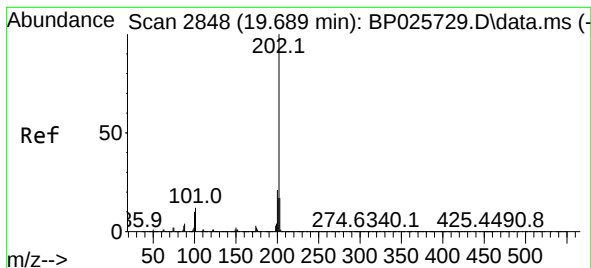
Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.2 20.7 31.1





#78

Pyrene

Concen: 13.915 ng

RT: 19.677 min Scan# 2846

Delta R.T. -0.012 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

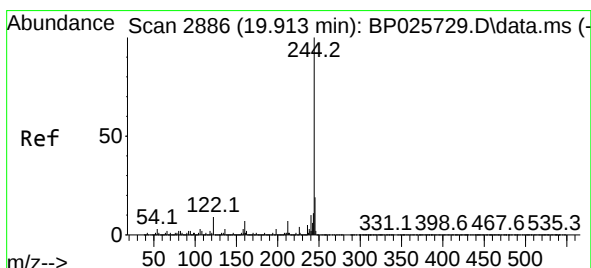
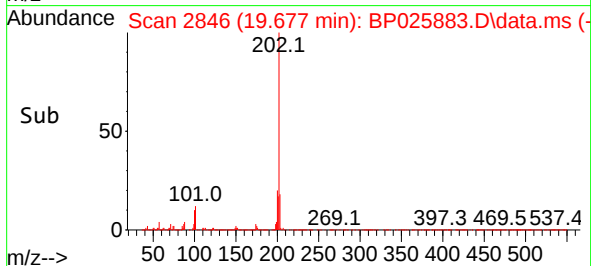
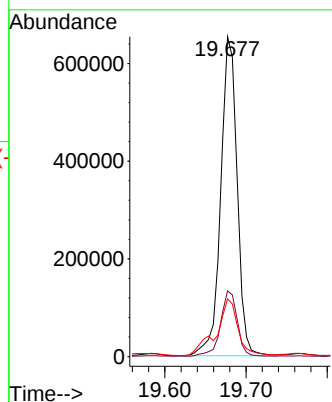
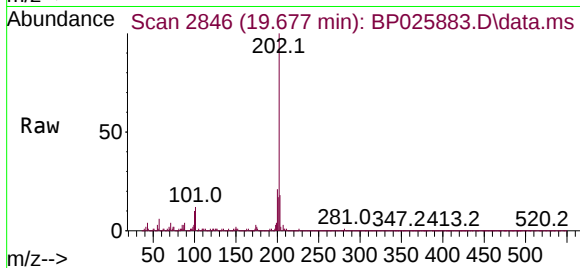
Tgt Ion:	202	Resp:	917880
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.6
203	18.0	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#79

Terphenyl-d14

Concen: 19.385 ng

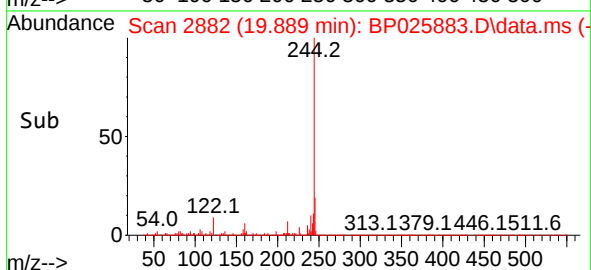
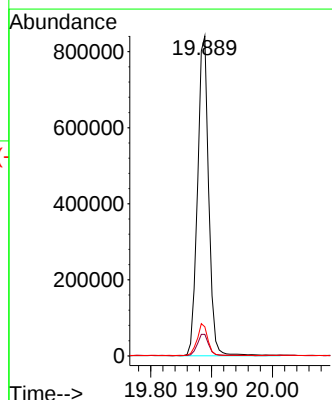
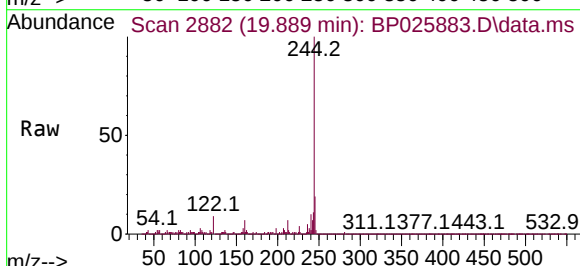
RT: 19.889 min Scan# 2882

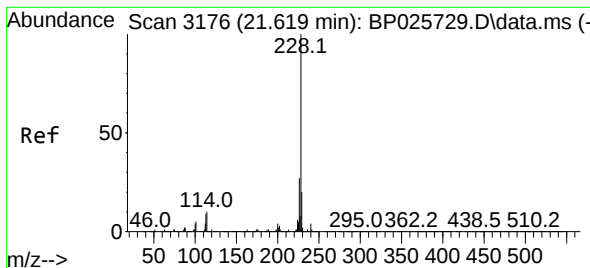
Delta R.T. -0.024 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Tgt Ion:	244	Resp:	1065277
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.9	8.9
122	9.1	7.1	10.7





#81

Benzo(a)anthracene

Concen: 7.247 ng

RT: 21.595 min Scan# 3176

Delta R.T. -0.024 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

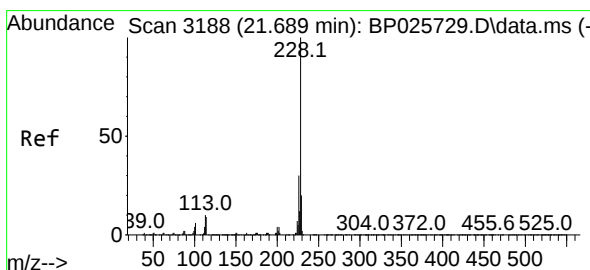
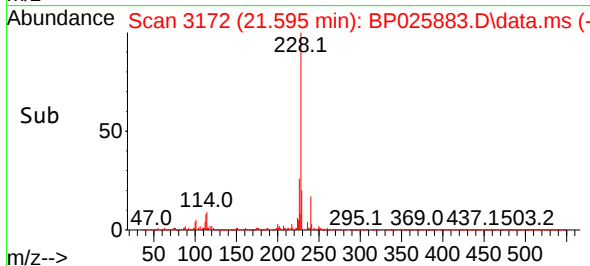
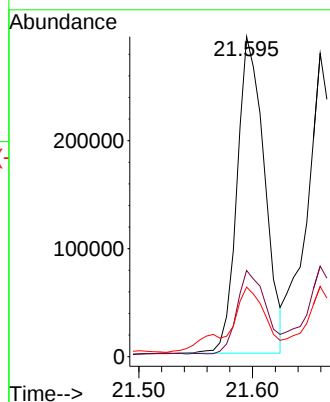
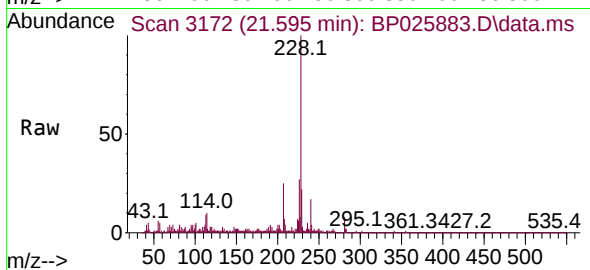
Tgt Ion:228 Resp: 490517
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.6 32.4
 229 21.7 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#83

Chrysene

Concen: 7.204 ng

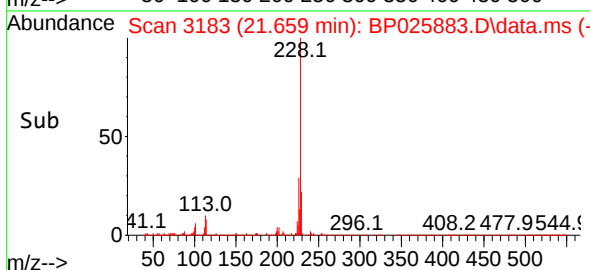
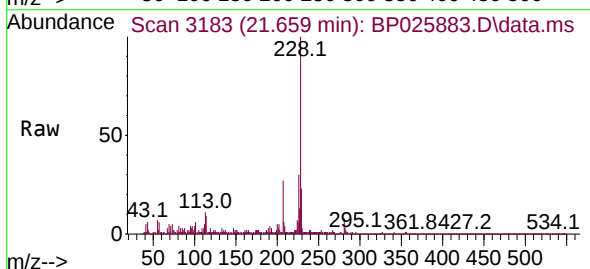
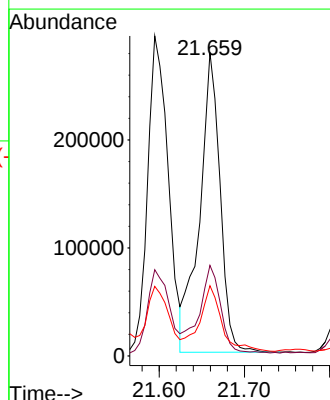
RT: 21.659 min Scan# 3183

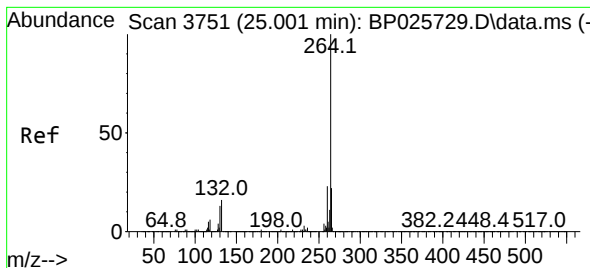
Delta R.T. -0.030 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Tgt Ion:228 Resp: 464807
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.8 35.6
 229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.959 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

Tgt Ion:264 Resp: 116420

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

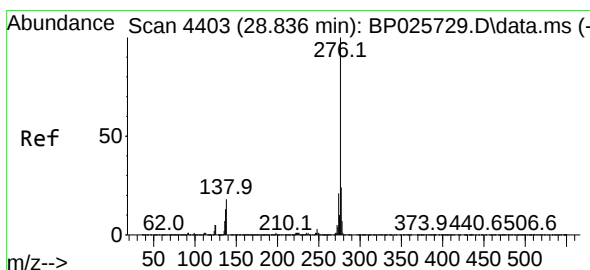
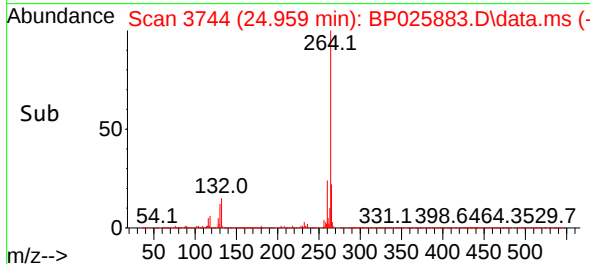
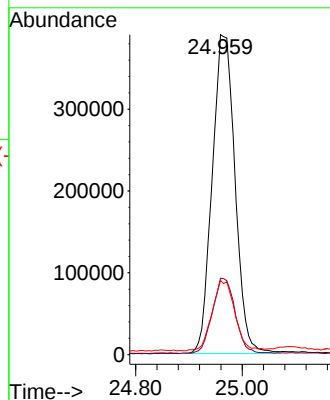
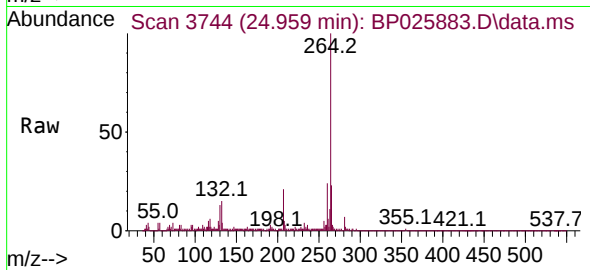
265 23.2 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.514 ng

RT: 28.800 min Scan# 4397

Delta R.T. -0.036 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

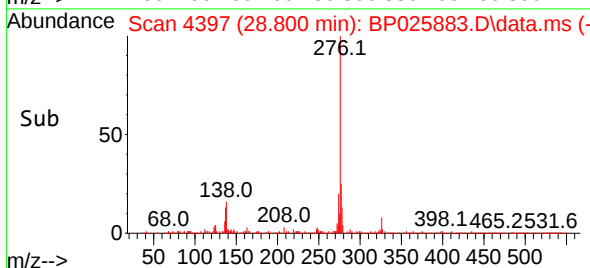
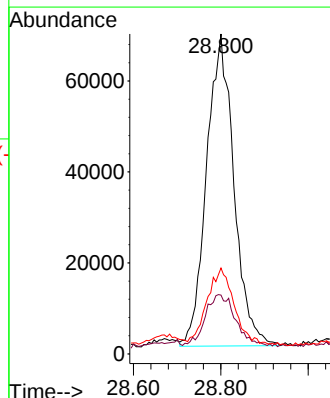
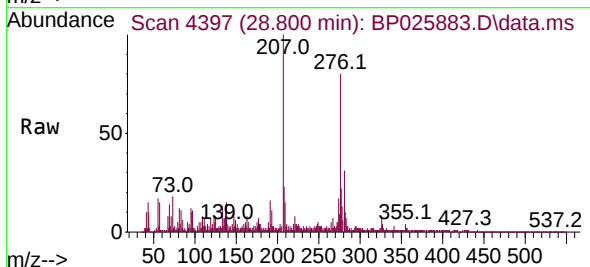
Tgt Ion:276 Resp: 297530

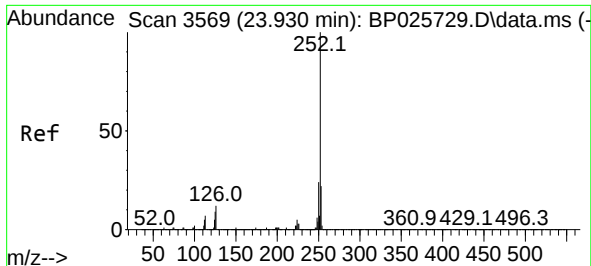
Ion Ratio Lower Upper

276 100

138 18.4 13.4 20.2

277 23.9 9.1 13.7#





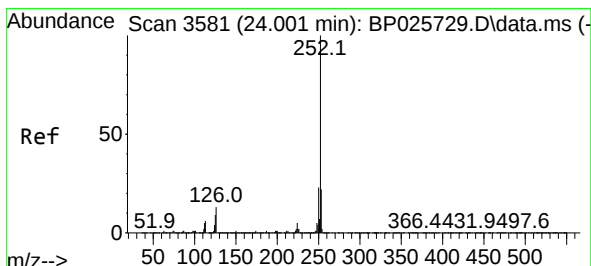
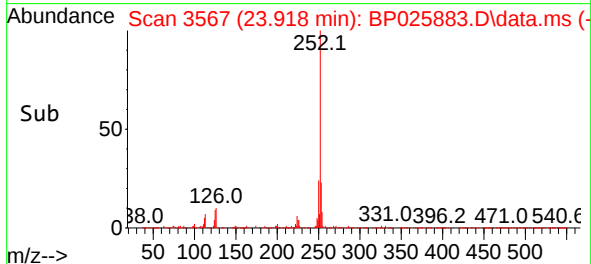
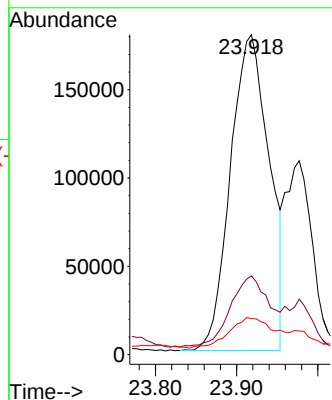
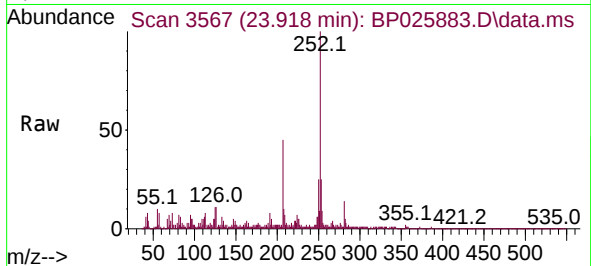
#88
Benzo(b)fluoranthene
Concen: 8.345 ng
RT: 23.918 min Scan# 3569
Delta R.T. -0.012 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Instrument :
BNA_P
ClientSampleId :
TR-06-092525

Tgt Ion:252 Resp: 594138
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 11.2 7.3 10.9

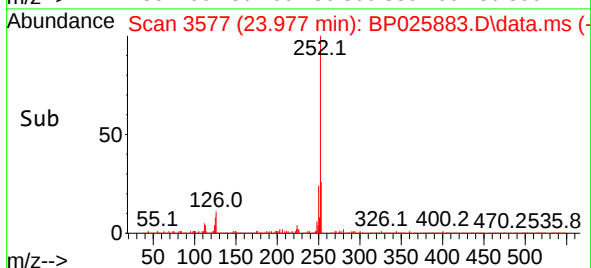
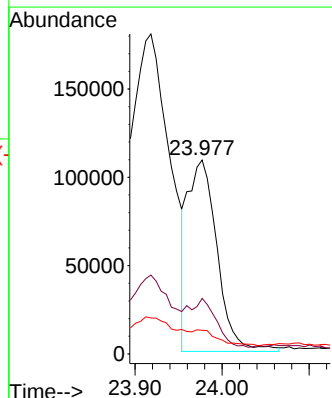
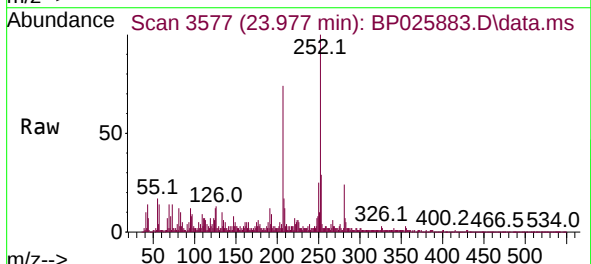
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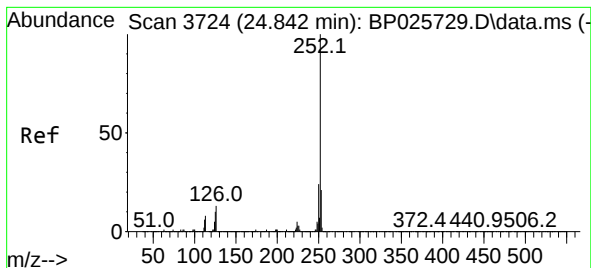
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#89
Benzo(k)fluoranthene
Concen: 3.499 ng m
RT: 23.977 min Scan# 3577
Delta R.T. -0.024 min
Lab File: BP025883.D
Acq: 29 Sep 2025 16:26

Tgt Ion:252 Resp: 254178
Ion Ratio Lower Upper
252 100
253 28.6 17.5 26.3#
125 12.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.438 ng

RT: 24.812 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Instrument :

BNA_P

ClientSampleId :

TR-06-092525

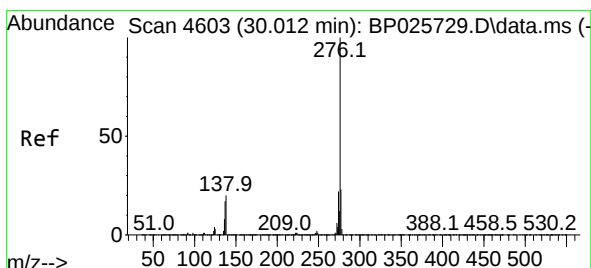
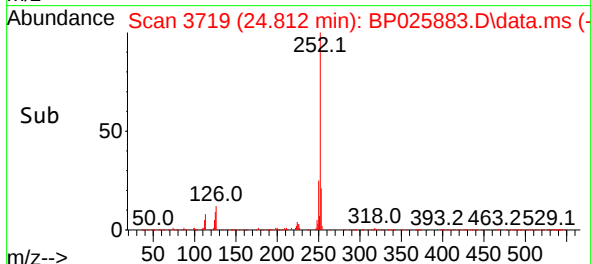
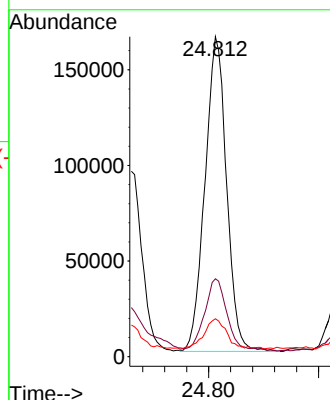
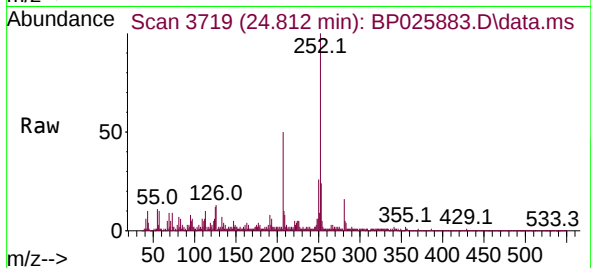
Tgt Ion:252 Resp: 44884
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.2 25.8
 125 11.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#92

Benzo(g,h,i)perylene

Concen: 4.106 ng

RT: 29.983 min Scan# 4598

Delta R.T. -0.030 min

Lab File: BP025883.D

Acq: 29 Sep 2025 16:26

Tgt Ion:276 Resp: 279796
 Ion Ratio Lower Upper
 276 100
 277 26.5 18.7 28.1
 138 18.0 16.0 24.0

