

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100625\
 Data File : BP025937.D
 Acq On : 07 Oct 2025 00:32
 Operator : CG/JU
 Sample : Q3288-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-01-100325

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/07/2025
 Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 07 02:14:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 19:16:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	180827	20.000	ng	-0.02
21) Naphthalene-d8	10.501	136	713949	20.000	ng	-0.02
39) Acenaphthene-d10	14.348	164	446831	20.000	ng	-0.03
64) Phenanthrene-d10	17.154	188	867767	20.000	ng	-0.03
76) Chrysene-d12	21.595	240	912578	20.000	ng	-0.05
86) Perylene-d12	24.936	264	1025525	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	146217	13.047	ng	0.00
7) Phenol-d6	6.966	99	182111	12.226	ng	0.02
23) Nitrobenzene-d5	8.896	82	105695	6.530	ng	0.00
42) 2,4,6-Tribromophenol	15.878	330	69251	12.425	ng	-0.03
45) 2-Fluorobiphenyl	12.960	172	292247	8.709	ng	-0.03
79) Terphenyl-d14	19.872	244	456095	8.991	ng	-0.04
Target Compounds						Qvalue
71) Phenanthrene	17.195	178	285408	5.798	ng	98
75) Fluoranthene	19.283	202	626469	10.612	ng	99
78) Pyrene	19.660	202	765521	12.572	ng	99
81) Benzo(a)anthracene	21.577	228	338924	5.425	ng	97
83) Chrysene	21.636	228	380644	6.391	ng	98
87) Indeno(1,2,3-cd)pyrene	28.742	276	302440	4.055	ng	# 84
88) Benzo(b)fluoranthene	23.883	252	512935	8.179	ng	98
89) Benzo(k)fluoranthene	23.942	252	193683m	3.027	ng	
90) Benzo(a)pyrene	24.777	252	414813	6.754	ng	96
92) Benzo(g,h,i)perylene	29.936	276	328687	5.476	ng	98

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

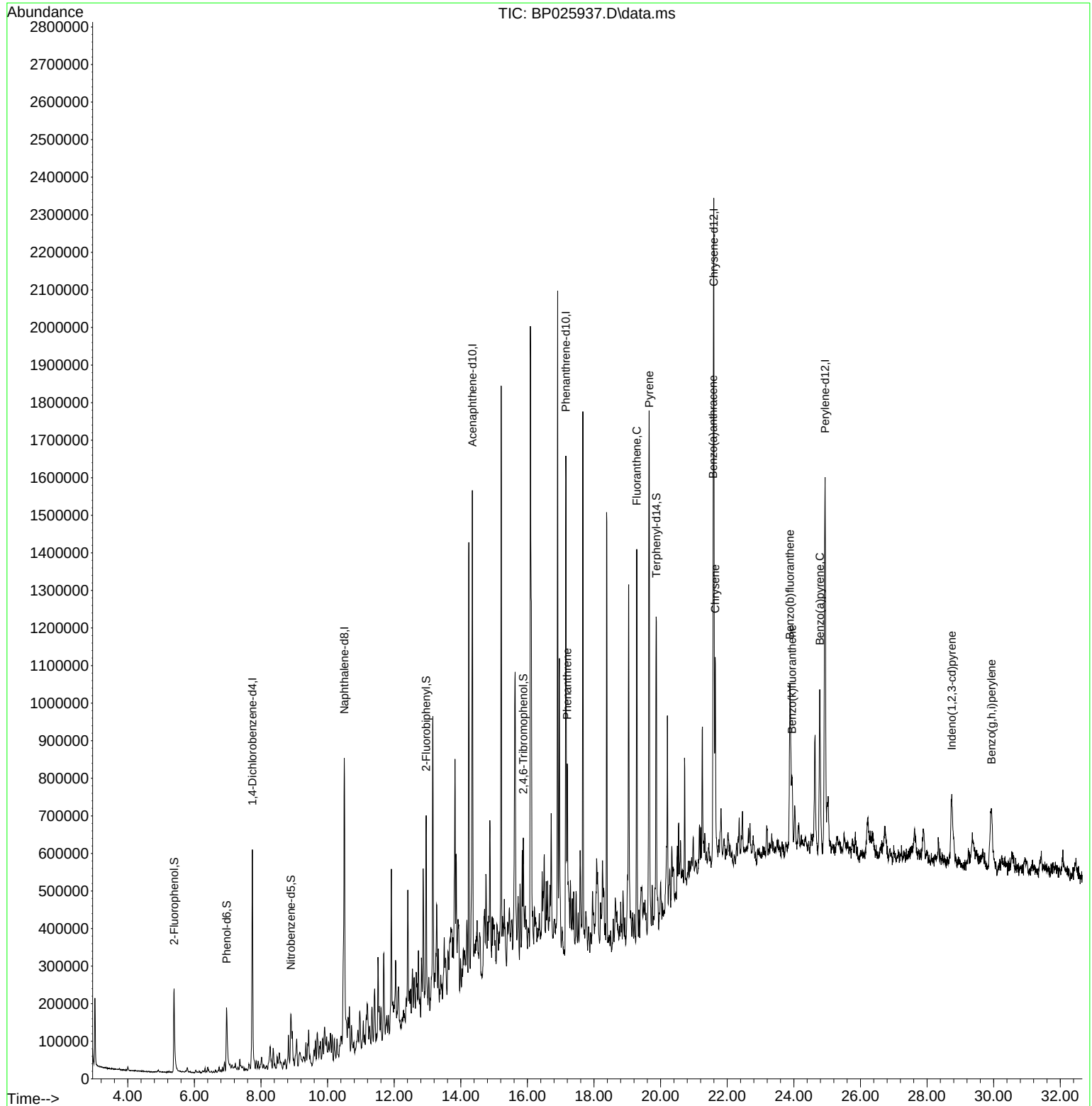
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100625\
Data File : BP025937.D
Acq On : 07 Oct 2025 00:32
Operator : CG/JU
Sample : Q3288-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

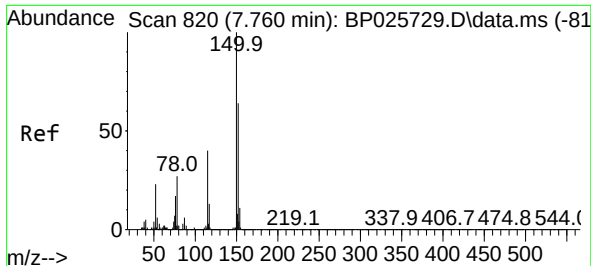
Instrument :
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TR-01-100325

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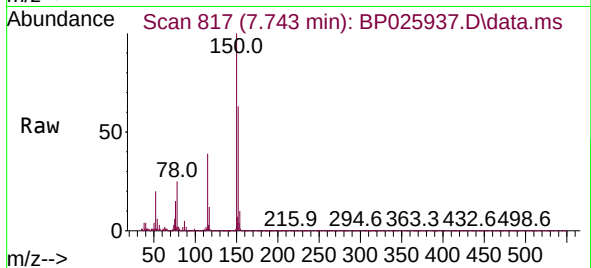
Quant Time: Oct 07 02:14:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 19:16:54 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

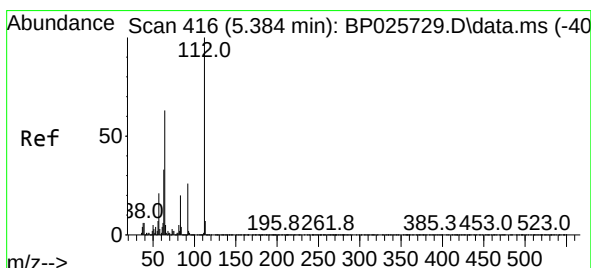
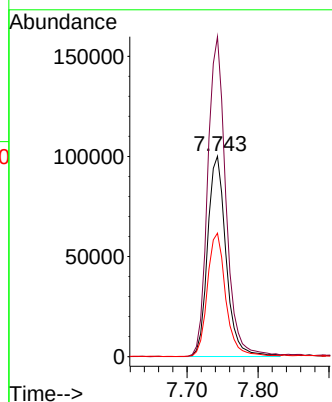
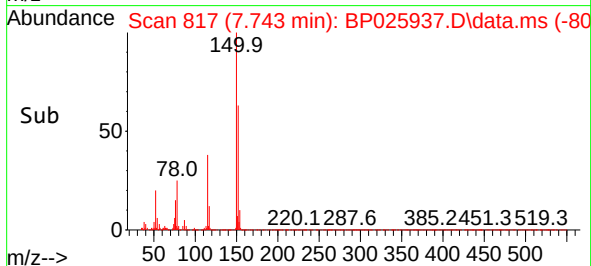
Instrument :
BNA_P
ClientSampleId :
TR-01-100325



Tgt Ion:152 Resp: 18082
Ion Ratio Lower Upper
152 100
150 159.7 124.3 186.5
115 61.6 50.3 75.5

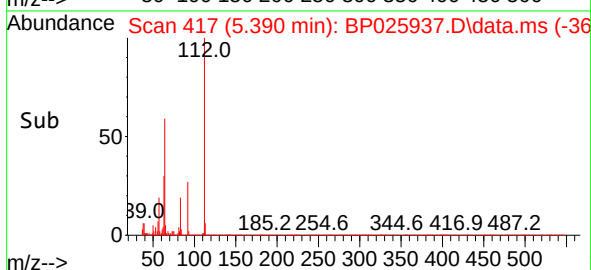
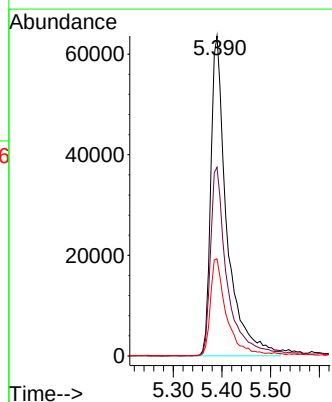
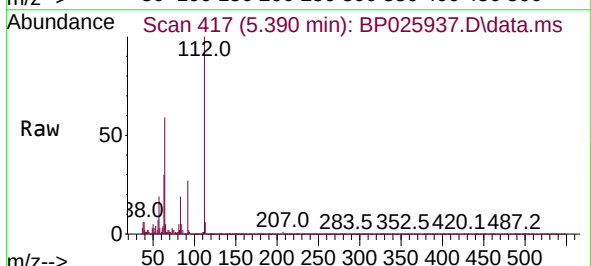
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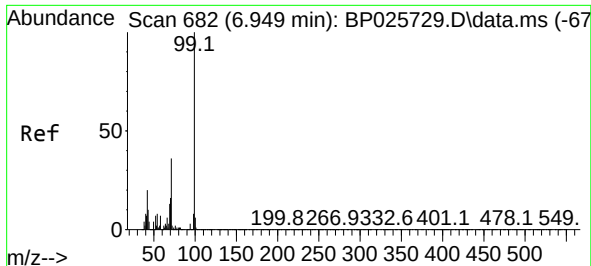
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#5
2-Fluorophenol
Concen: 13.047 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

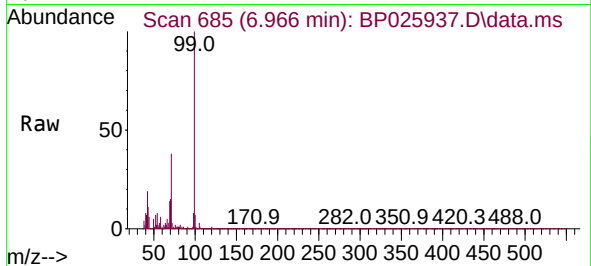
Tgt Ion:112 Resp: 146217
Ion Ratio Lower Upper
112 100
64 58.9 50.2 75.4
63 30.3 26.7 40.1





#7
Phenol-d6
Concen: 12.226 ng
RT: 6.966 min Scan# 682
Delta R.T. 0.018 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

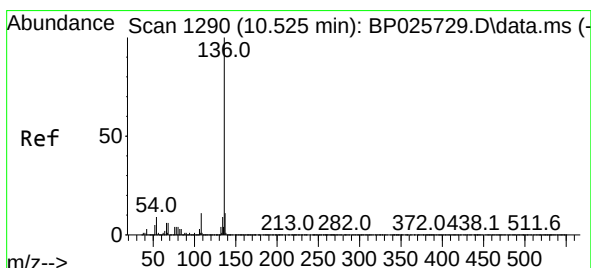
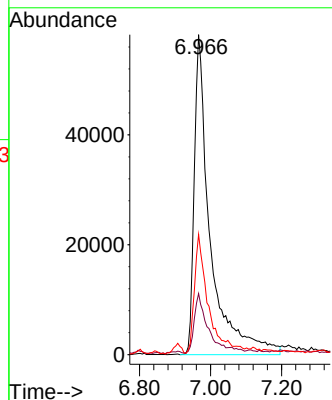
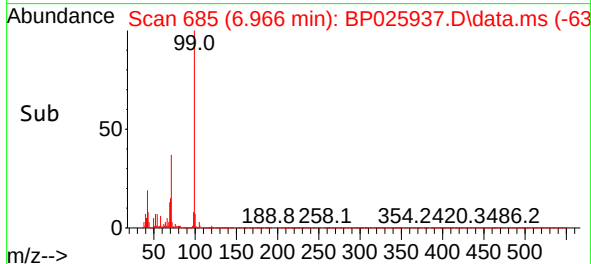
Instrument :
BNA_P
ClientSampleId :
TR-01-100325



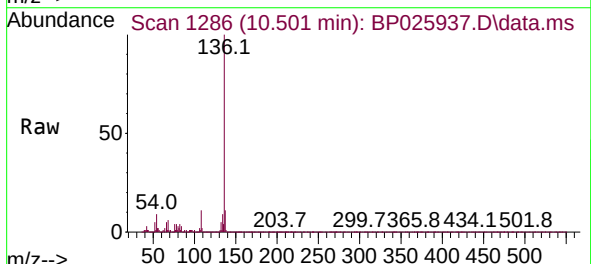
Tgt Ion: 99 Resp: 182111
Ion Ratio Lower Upper
99 100
42 19.1 15.6 23.4
71 37.6 28.6 43.0

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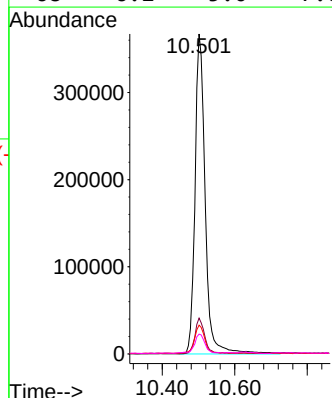
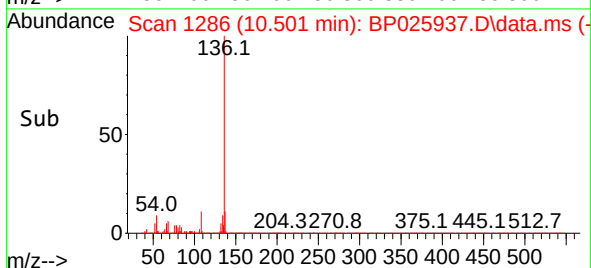
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

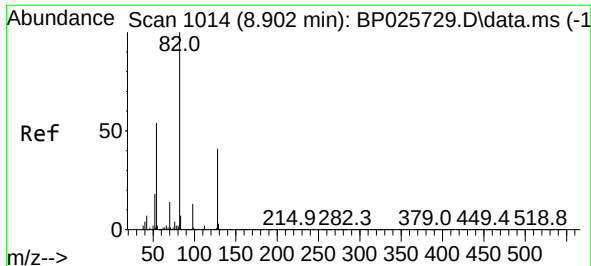


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.501 min Scan# 1286
Delta R.T. -0.024 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32



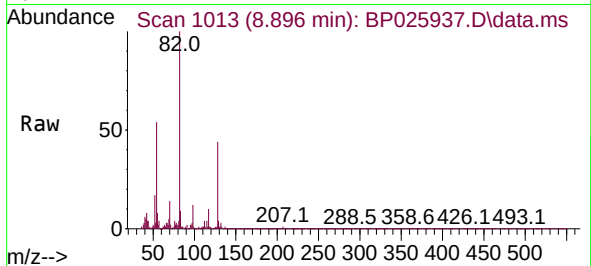
Tgt Ion:136 Resp: 713949
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.0 7.5 11.3
68 6.2 5.0 7.6





#23
Nitrobenzene-d5
Concen: 6.530 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

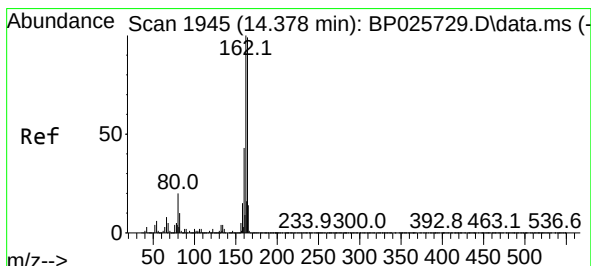
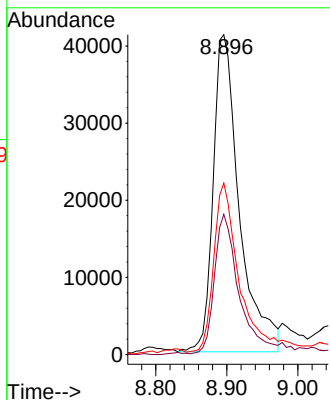
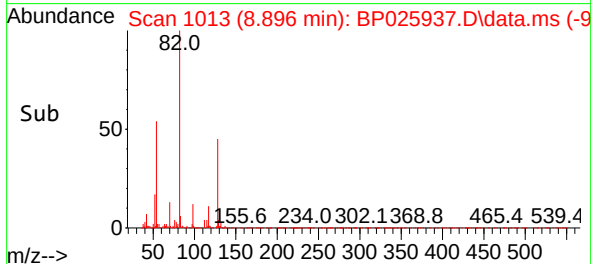
Instrument :
BNA_P
ClientSampleId :
TR-01-100325



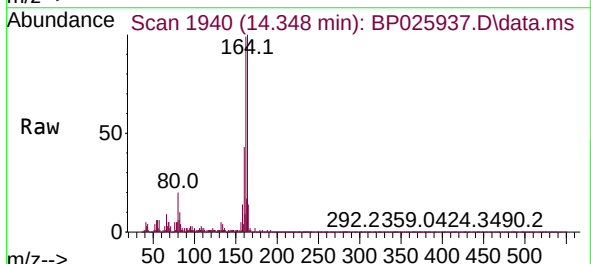
Tgt Ion: 82 Resp: 105695
Ion Ratio Lower Upper
82 100
128 43.8 32.9 49.3
54 53.6 43.4 65.2

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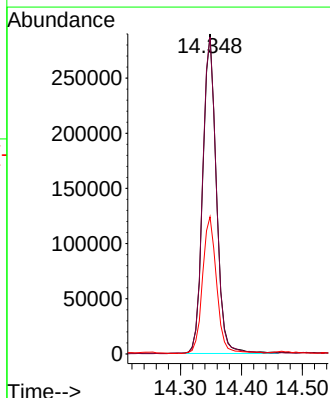
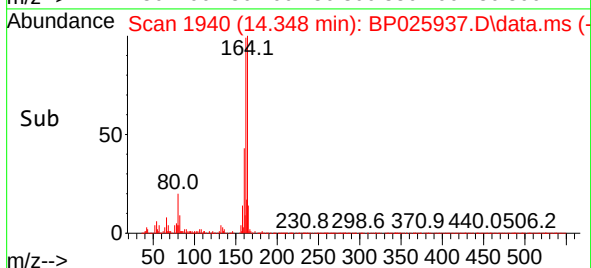
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

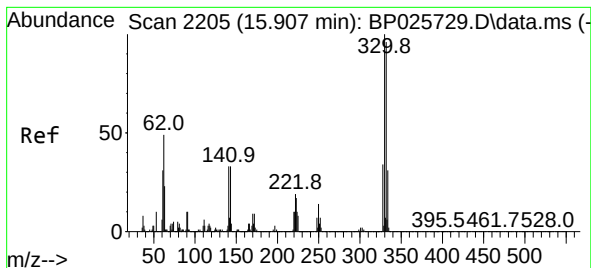


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.348 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32



Tgt Ion:164 Resp: 446831
Ion Ratio Lower Upper
164 100
162 99.1 80.6 120.8
160 42.8 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 12.425 ng

RT: 15.878 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

Tgt Ion:330 Resp: 6925

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

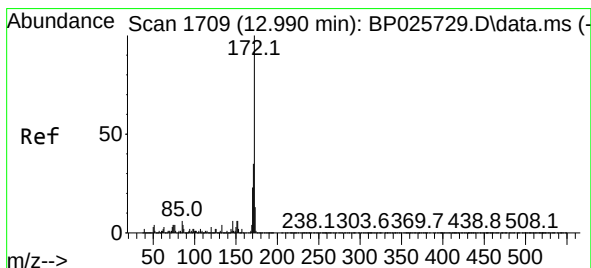
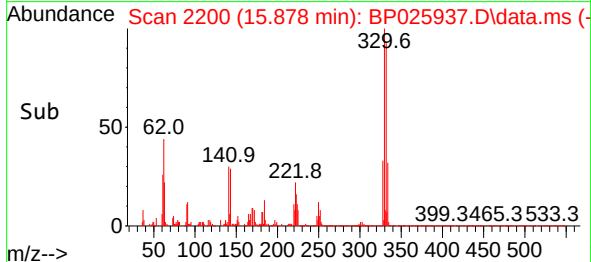
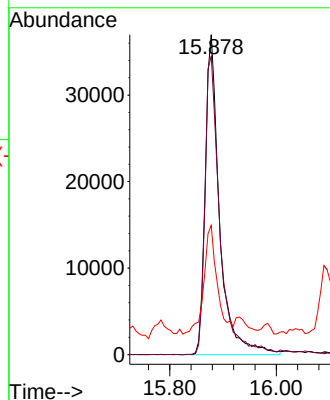
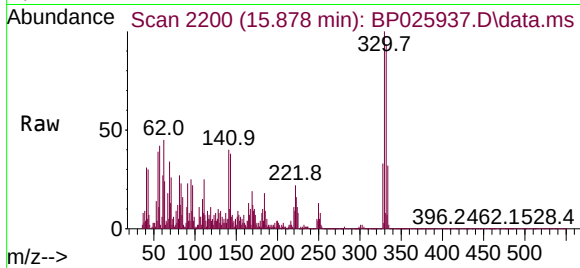
141 34.3 31.0 46.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#45

2-Fluorobiphenyl

Concen: 8.709 ng

RT: 12.960 min Scan# 1704

Delta R.T. -0.029 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

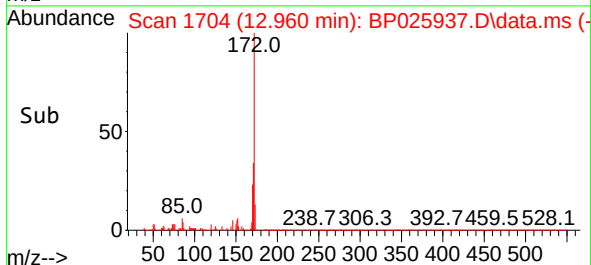
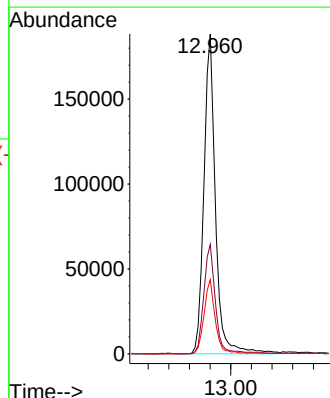
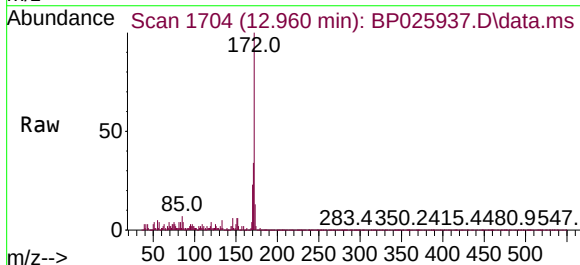
Tgt Ion:172 Resp: 292247

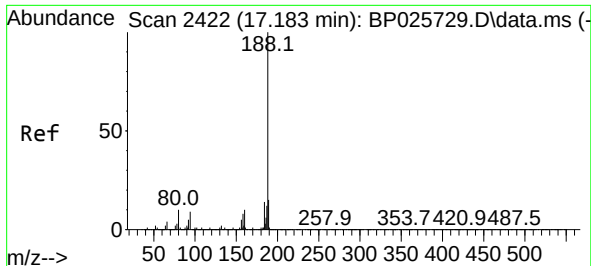
Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 23.2 18.6 27.8





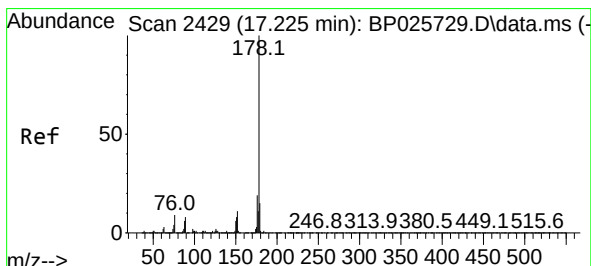
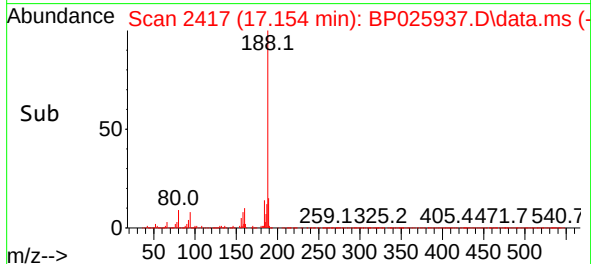
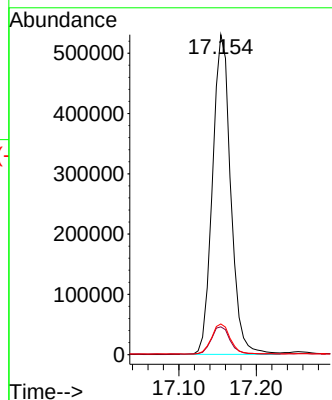
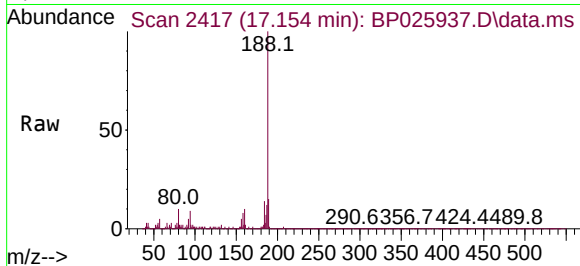
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.154 min Scan# 2417
Delta R.T. -0.029 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Instrument :
BNA_P
ClientSampleId :
TR-01-100325

Tgt Ion:188 Resp: 867762
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.6 7.7 11.5

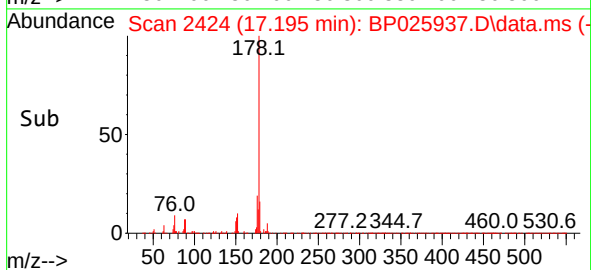
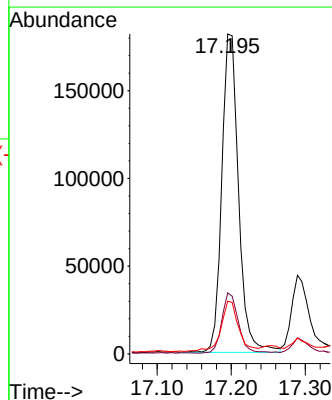
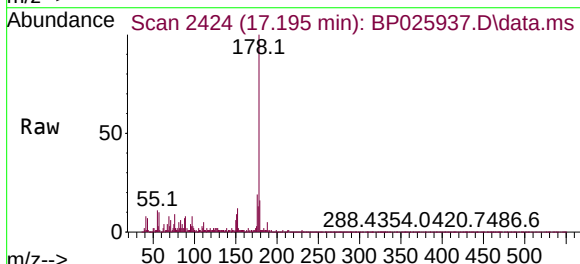
Manual Integrations
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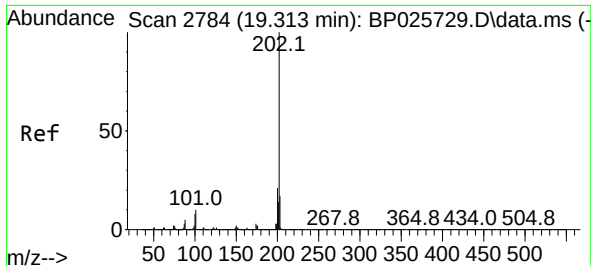
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#71
Phenanthrene
Concen: 5.798 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.029 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Tgt Ion:178 Resp: 285408
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 16.5 12.2 18.4





#75
Fluoranthene
Concen: 10.612 ng
RT: 19.283 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

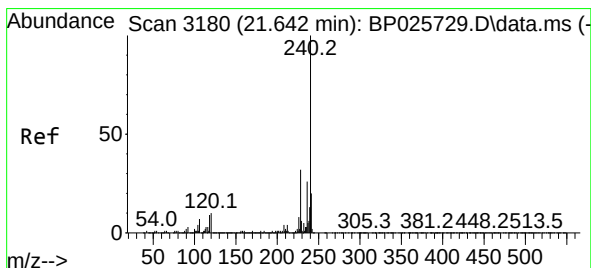
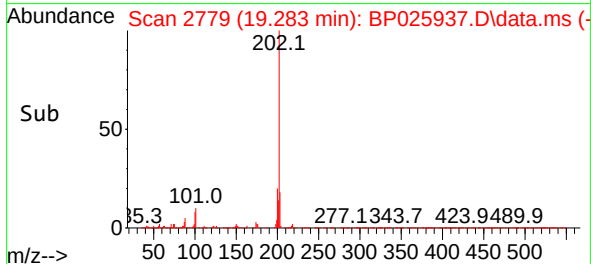
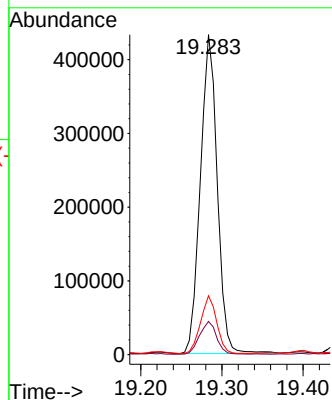
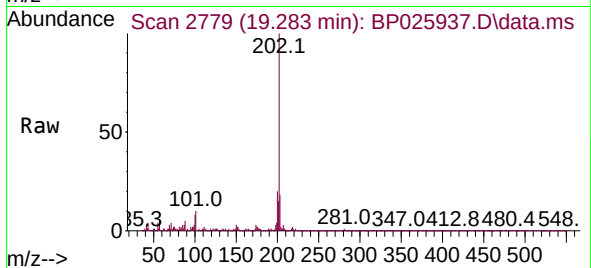
Tgt Ion:202 Resp: 626469
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.4
203 18.4 0.0 37.4

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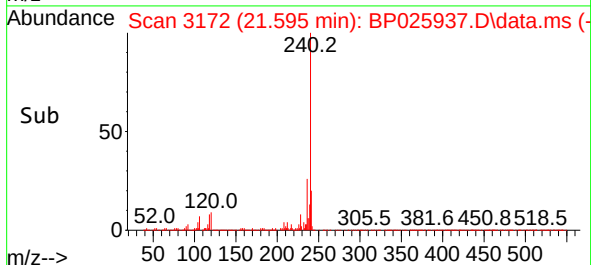
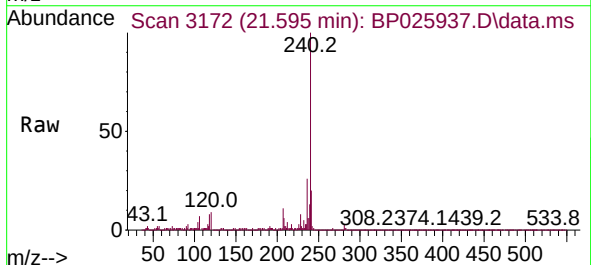
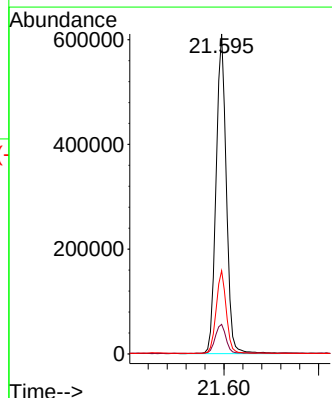
Reviewed By :Rahul Chavli 10/07/2025

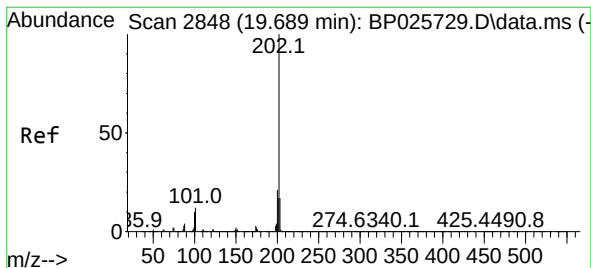
Supervised By :Jagrut Upadhyay 10/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.047 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Tgt Ion:240 Resp: 912578
Ion Ratio Lower Upper
240 100
120 9.2 8.0 12.0
236 26.0 20.7 31.1





#78

Pyrene

Concen: 12.572 ng

RT: 19.660 min Scan# 2843

Delta R.T. -0.029 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

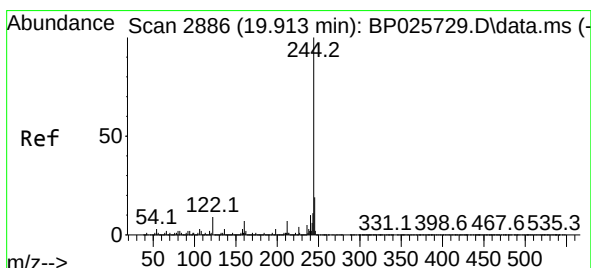
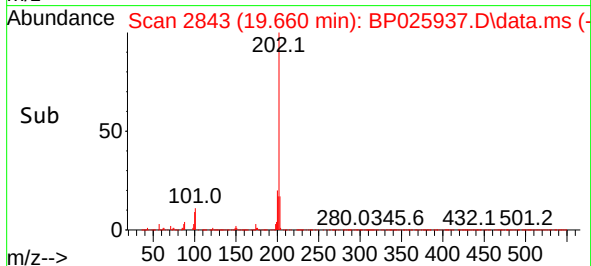
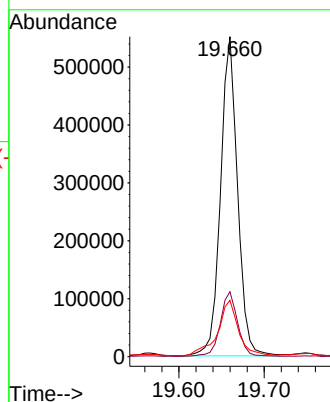
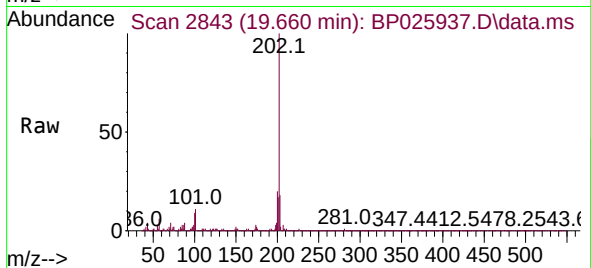
Tgt Ion:	202	Resp:	76552
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.6
203	17.6	13.9	20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 8.991 ng

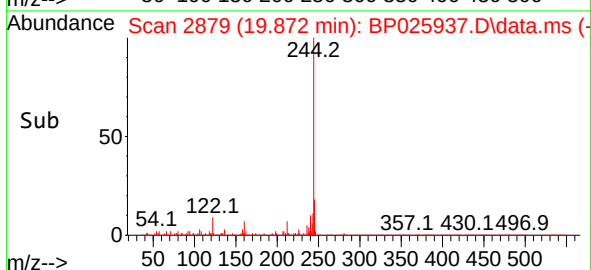
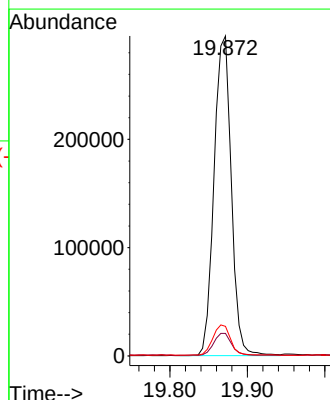
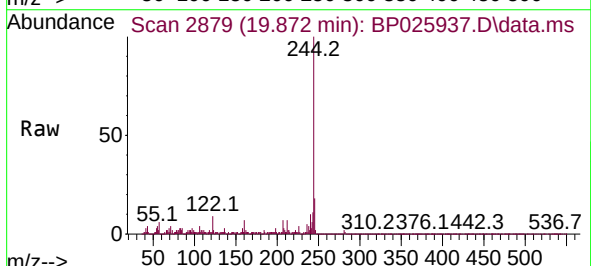
RT: 19.872 min Scan# 2879

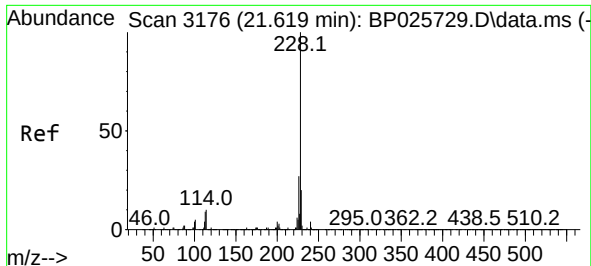
Delta R.T. -0.041 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Tgt Ion:	244	Resp:	456095
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	9.2	7.1	10.7





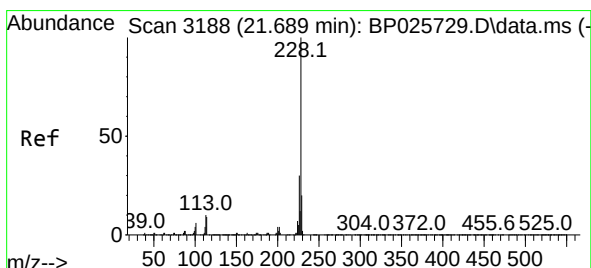
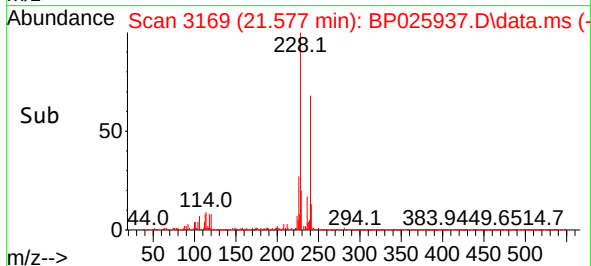
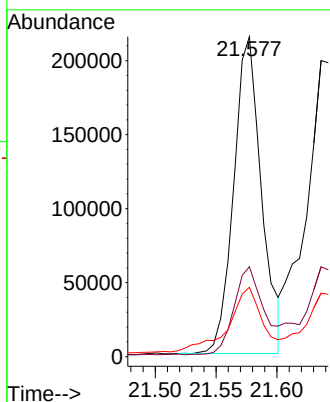
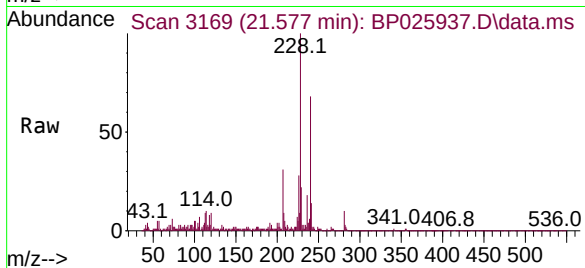
#81
Benzo(a)anthracene
Concen: 5.425 ng
RT: 21.577 min Scan# 3176
Delta R.T. -0.041 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Instrument :
BNA_P
ClientSampleId :
TR-01-100325

Tgt Ion:228 Resp: 338924
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.7 15.7 23.5

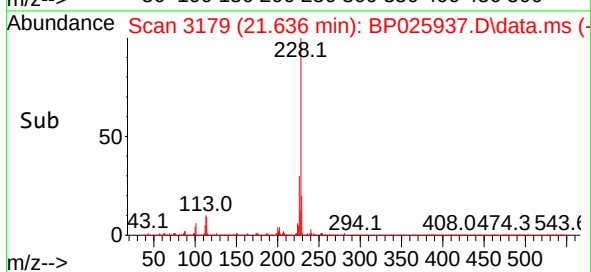
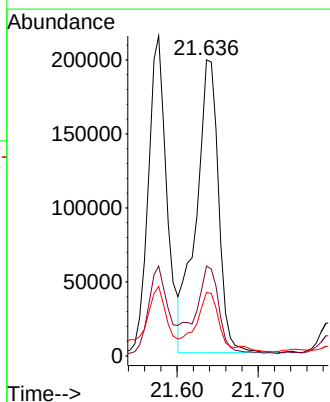
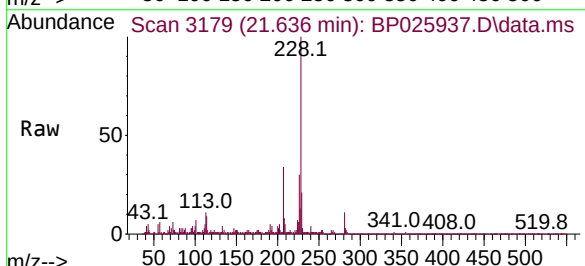
Manual Integrations
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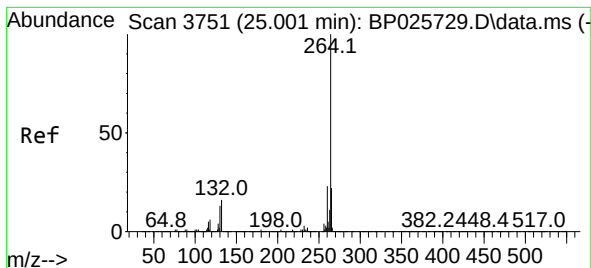
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#83
Chrysene
Concen: 6.391 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.053 min
Lab File: BP025937.D
Acq: 07 Oct 2025 00:32

Tgt Ion:228 Resp: 380644
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.936 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

Tgt Ion:264 Resp: 1025525

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

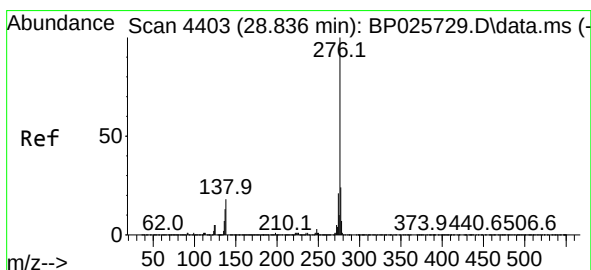
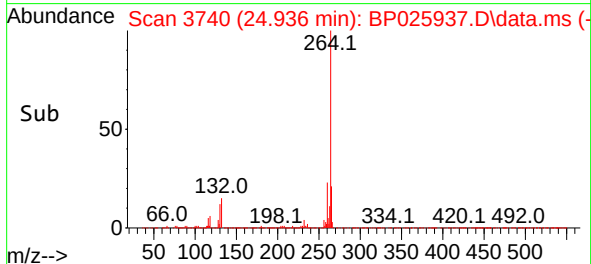
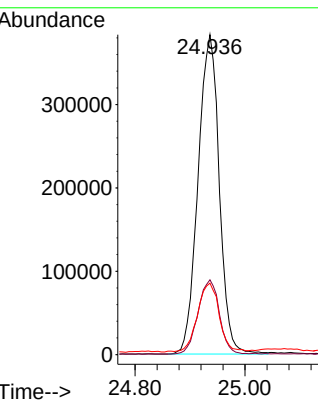
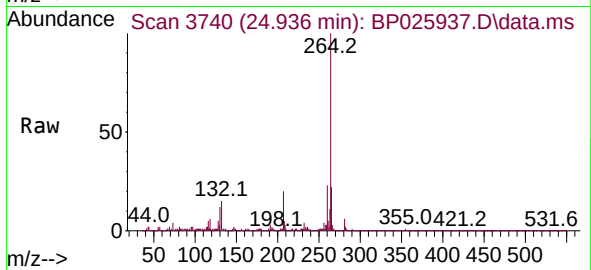
265 22.4 17.3 25.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.055 ng

RT: 28.742 min Scan# 4387

Delta R.T. -0.094 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

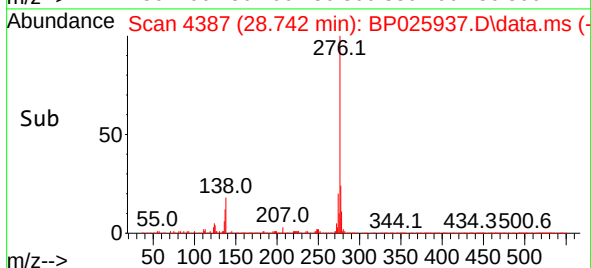
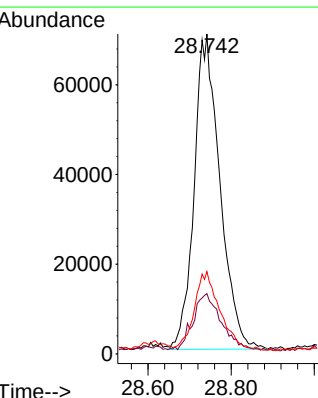
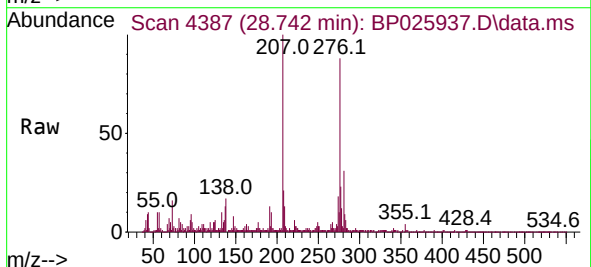
Tgt Ion:276 Resp: 302440

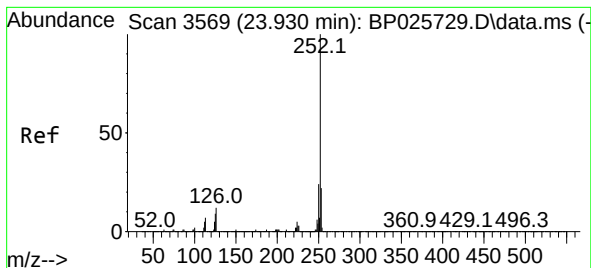
Ion Ratio Lower Upper

276 100

138 19.5 13.4 20.2

277 23.3 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 8.179 ng

RT: 23.883 min Scan# 3569

Delta R.T. -0.047 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

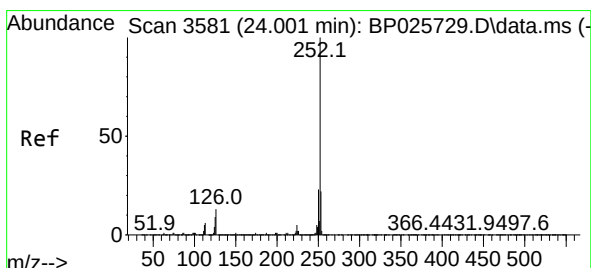
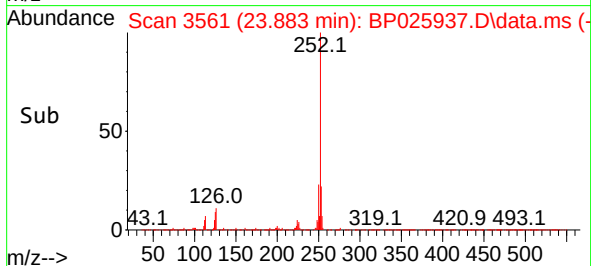
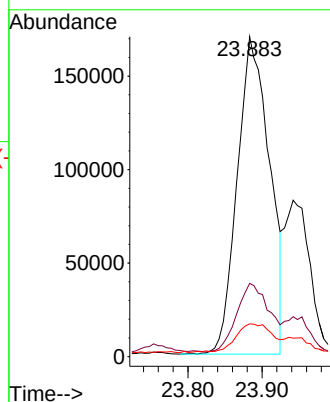
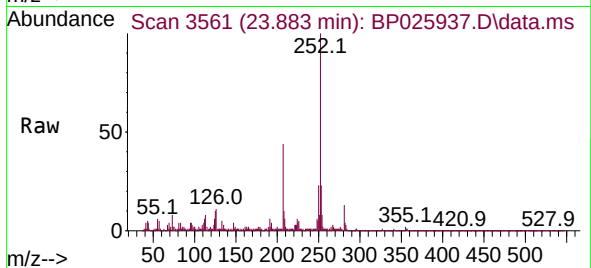
Tgt Ion:252 Resp: 512935
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.9 26.9
 125 10.2 7.3 10.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#89

Benzo(k)fluoranthene

Concen: 3.027 ng m

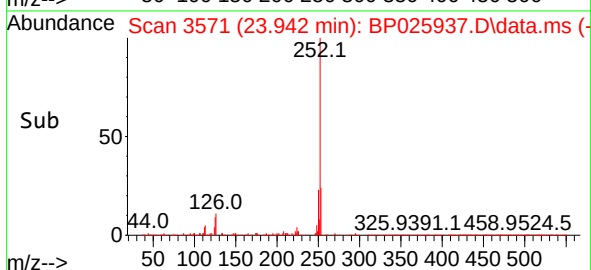
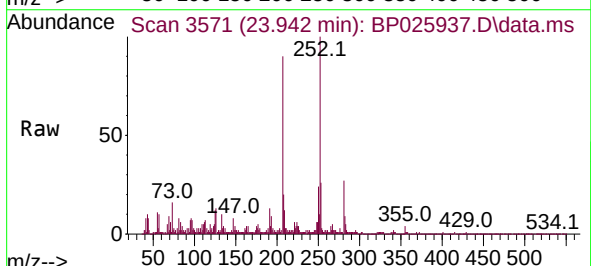
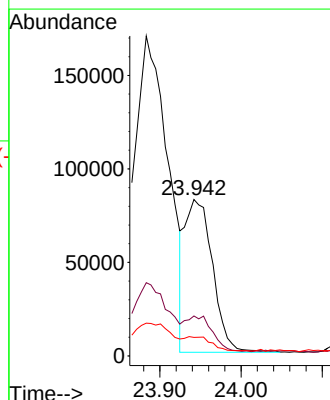
RT: 23.942 min Scan# 3571

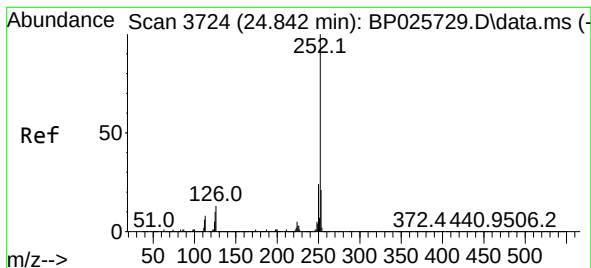
Delta R.T. -0.059 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Tgt Ion:252 Resp: 193683
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.5 26.3
 125 11.8 7.5 11.3





#90

Benzo(a)pyrene

Concen: 6.754 ng

RT: 24.777 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Instrument :

BNA_P

ClientSampleId :

TR-01-100325

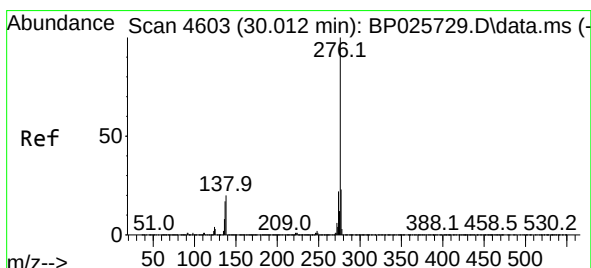
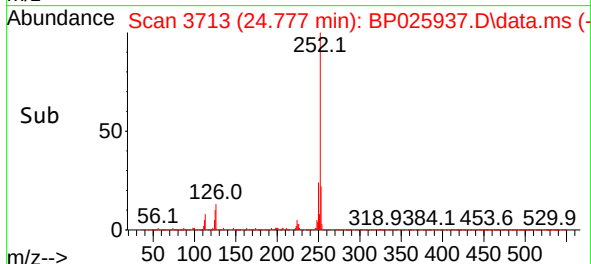
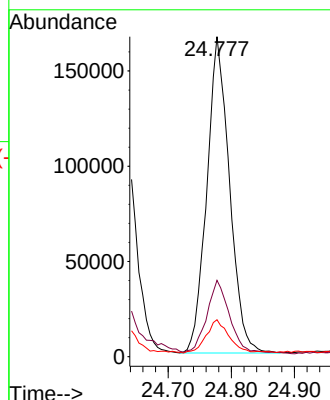
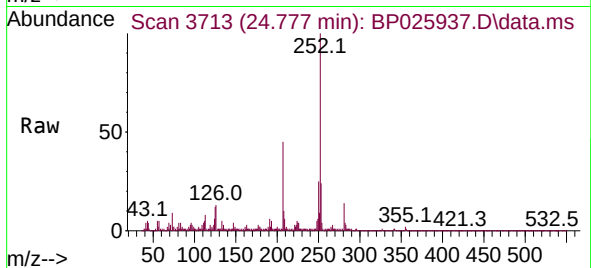
Tgt Ion:252 Resp: 414813
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.2 25.8
 125 11.5 8.3 12.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#92

Benzo(g,h,i)perylene

Concen: 5.476 ng

RT: 29.936 min Scan# 4590

Delta R.T. -0.076 min

Lab File: BP025937.D

Acq: 07 Oct 2025 00:32

Tgt Ion:276 Resp: 328687
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.7 28.1
 138 19.8 16.0 24.0

