

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025463.D
 Acq On : 18 Aug 2025 16:13
 Operator : CG/JU
 Sample : Q2883-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR2520553

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 18 17:30:05 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	7.790	152	171559	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	682396	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	430412	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	851042	20.000	ng	0.00
76) Chrysene-d12	21.636	240	858717	20.000	ng	-0.01
86) Perylene-d12	24.995	264	1024696	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	154726	14.978	ng	0.00
7) Phenol-d6	6.967	99	199236	15.043	ng	0.00
23) Nitrobenzene-d5	8.925	82	123498	9.155	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	84432	14.574	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	306982	9.748	ng	0.00
79) Terphenyl-d14	19.907	244	470843	10.032	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.125	152	151884	3.772	ng	99
71) Phenanthrene	17.242	178	576620	12.334	ng	100
72) Anthracene	17.331	178	173355	3.631	ng	98
75) Fluoranthene	19.319	202	1173219	21.039	ng	99
78) Pyrene	19.695	202	1210570	21.689	ng	99
81) Benzo(a)anthracene	21.619	228	582888m	10.292	ng	
83) Chrysene	21.683	228	657911	12.405	ng	98
87) Indeno(1,2,3-cd)pyrene	28.830	276	432704	5.758	ng	# 89
88) Benzo(b)fluoranthene	23.942	252	813402	13.462	ng	# 96
89) Benzo(k)fluoranthene	24.007	252	303196m	5.014	ng	
90) Benzo(a)pyrene	24.842	252	574548	9.768	ng	97
92) Benzo(g,h,i)perylene	30.018	276	421005	6.974	ng	99

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

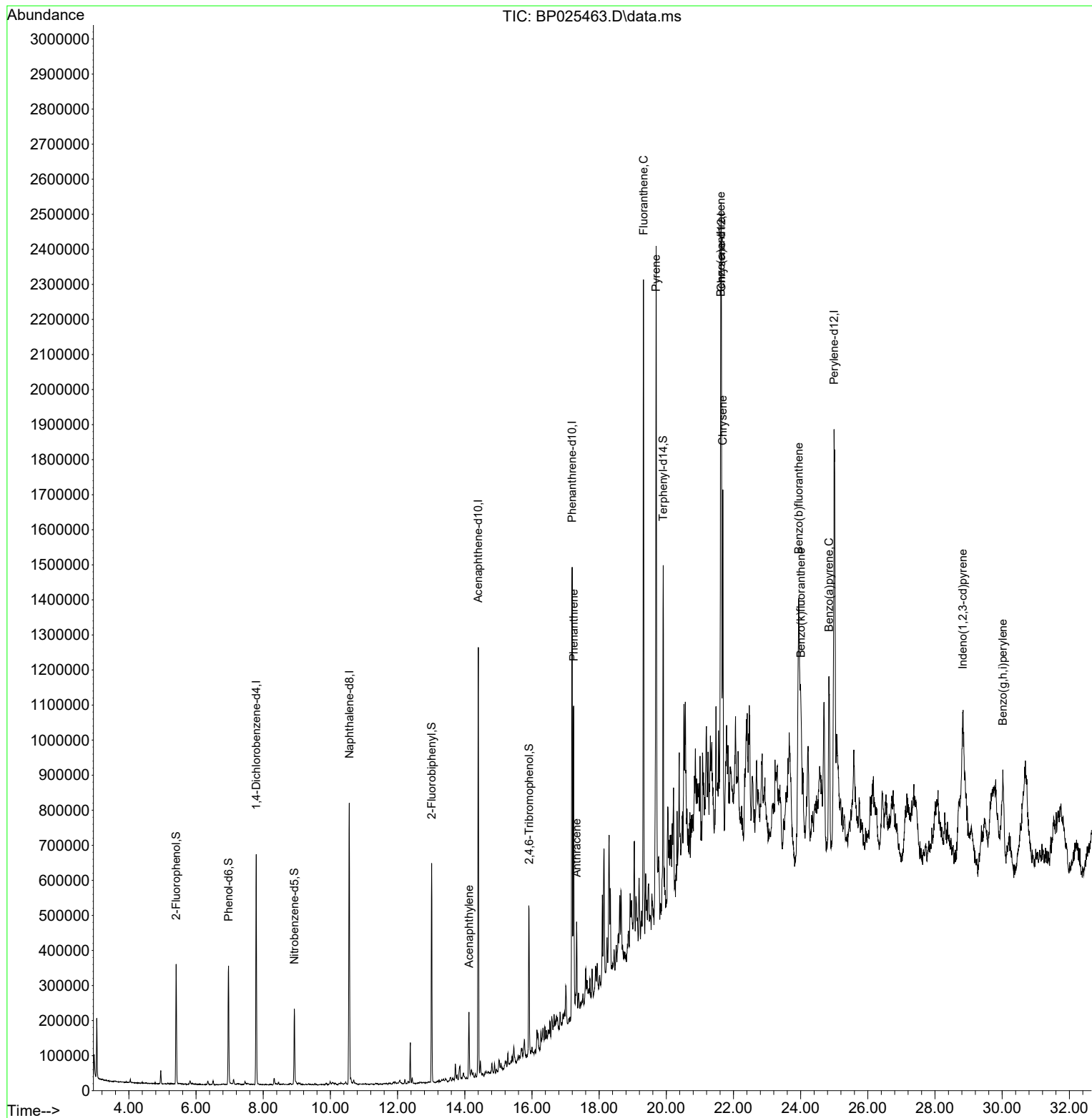
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025463.D
Acq On : 18 Aug 2025 16:13
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Misc :
ALS Vial : 10 Sample Multiplier: 1

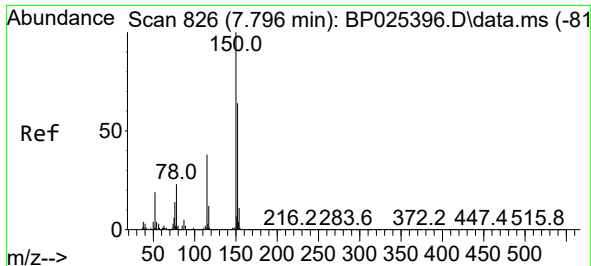
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

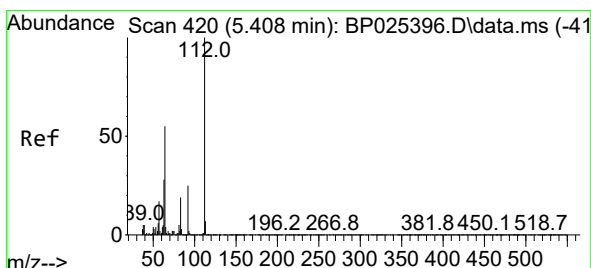
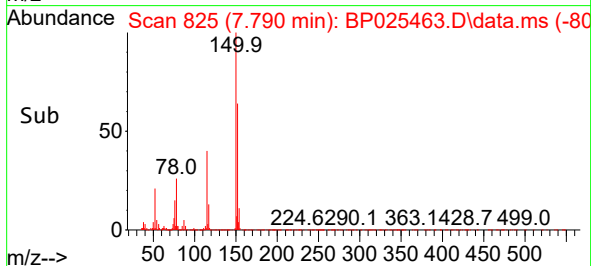
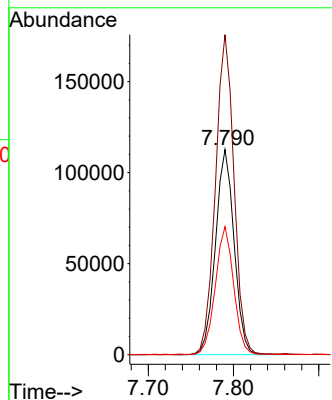
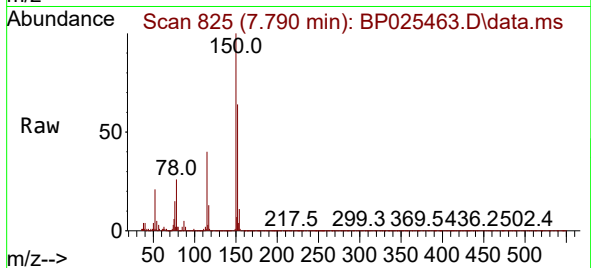
RBR2520553

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Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 62.4 48.5 72.7

Manual Integrations

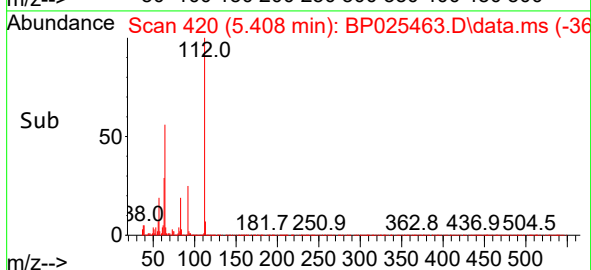
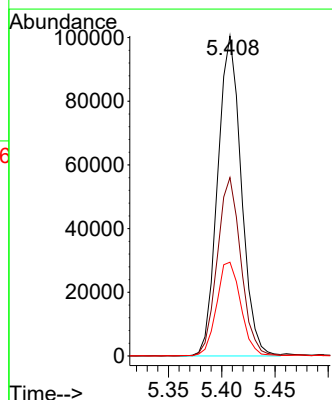
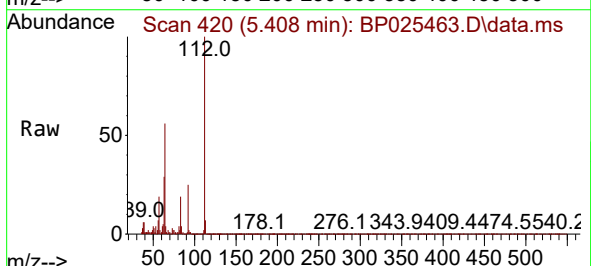
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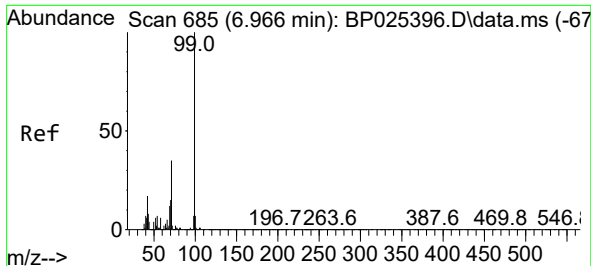
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#5
2-Fluorophenol
Concen: 14.978 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

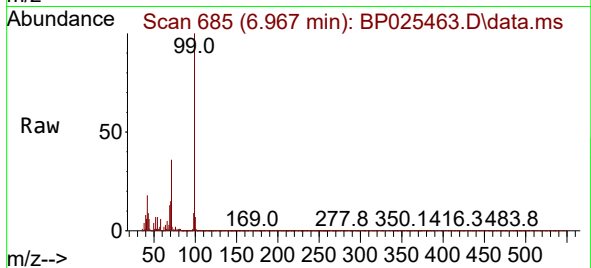
Tgt Ion:112 Resp: 154726
Ion Ratio Lower Upper
112 100
64 55.7 43.8 65.8
63 29.3 22.7 34.1





#7
Phenol-d6
Concen: 15.043 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

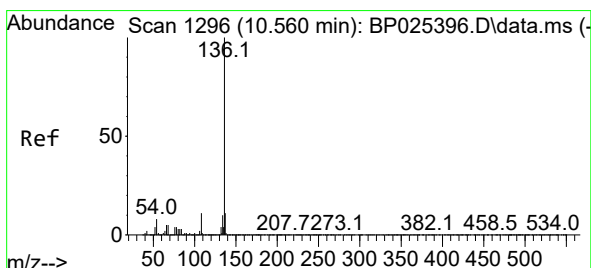
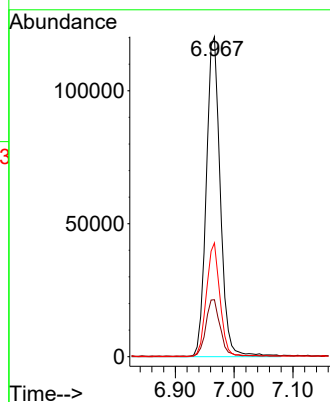
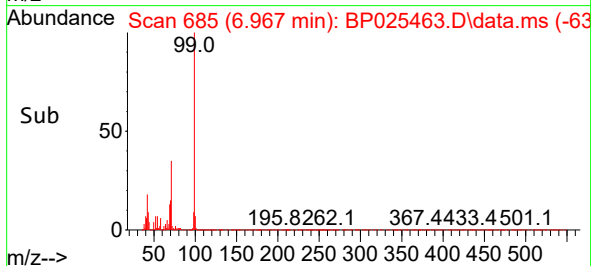
Instrument :
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RBR2520553



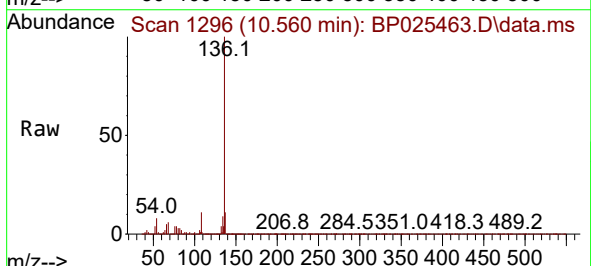
Tgt Ion: 99 Resp: 199230
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.6 28.2 42.4

Manual Integrations
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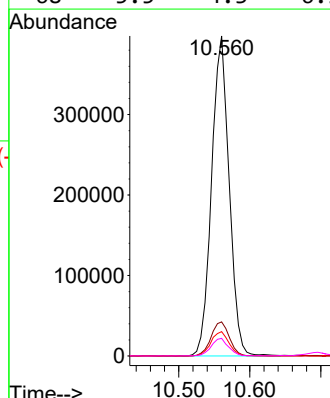
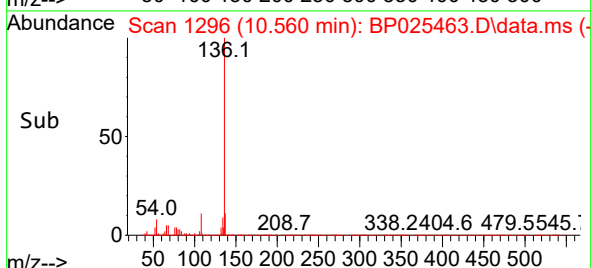
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

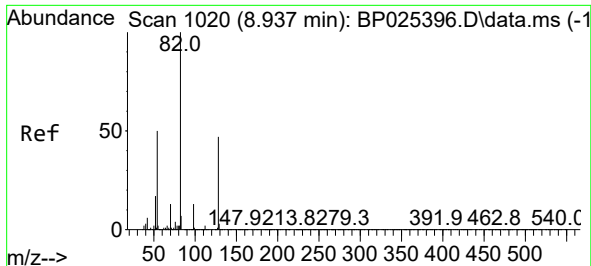


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13



Tgt Ion:136 Resp: 682396
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.6 6.0 9.0
68 5.5 4.3 6.5





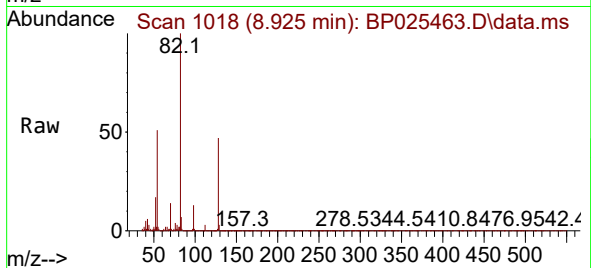
#23
Nitrobenzene-d5
Concen: 9.155 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553



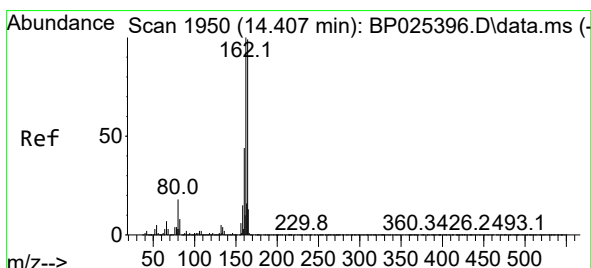
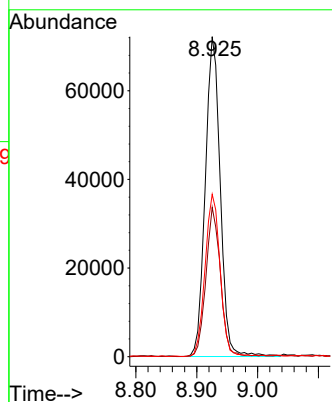
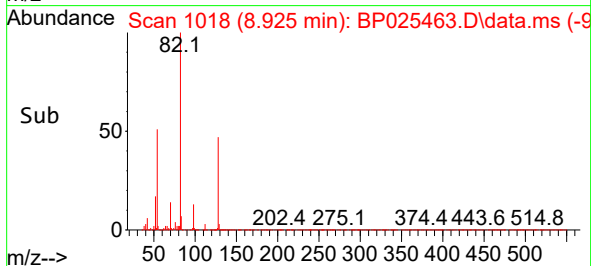
Tgt Ion: 82 Resp: 123498
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 50.7 39.8 59.6

Manual Integrations

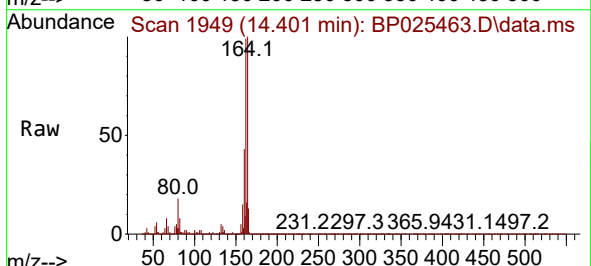
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Reviewed By :Rahul Chavli 08/19/2025

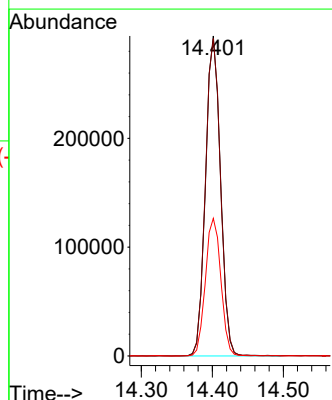
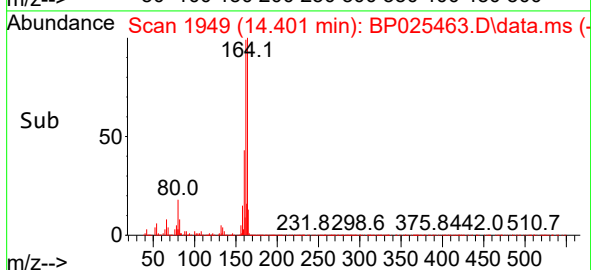
Supervised By :Jagrut Upadhyay 08/19/2025

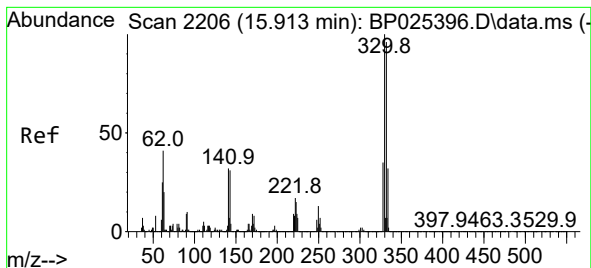


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13



Tgt Ion:164 Resp: 430412
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.6
160 43.0 35.4 53.2





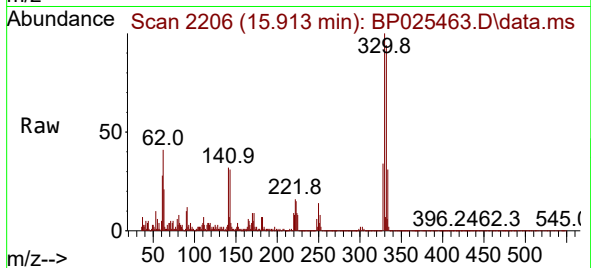
#42
2,4,6-Tribromophenol
Concen: 14.574 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553



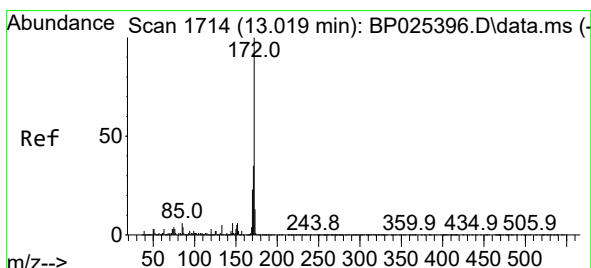
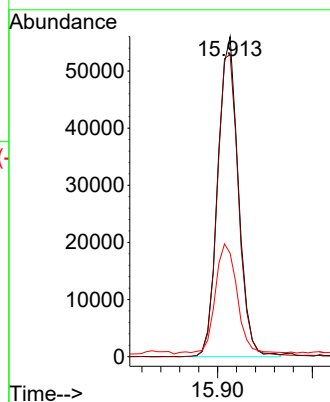
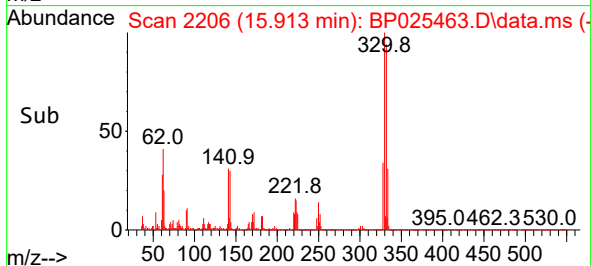
Tgt Ion:330 Resp: 8443
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 37.2 26.6 39.8

Manual Integrations

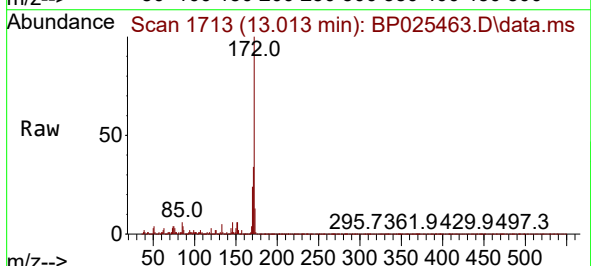
APPROVED

Reviewed By :Rahul Chavli 08/19/2025

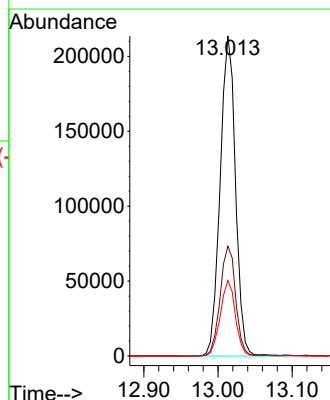
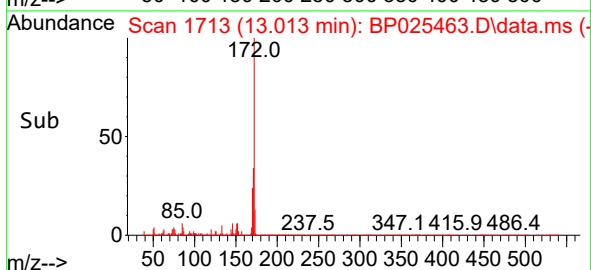
Supervised By :Jagrut Upadhyay 08/19/2025

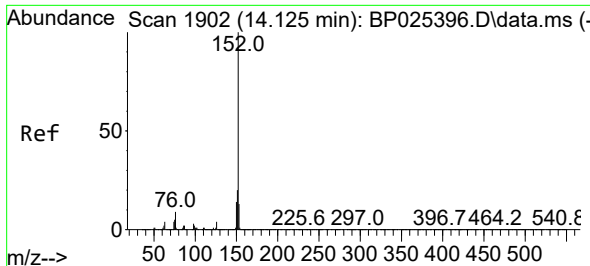


#45
2-Fluorobiphenyl
Concen: 9.748 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13



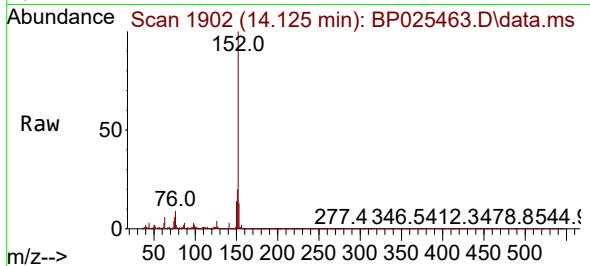
Tgt Ion:172 Resp: 306982
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.6 18.6 28.0





#49
Acenaphthylene
Concen: 3.772 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

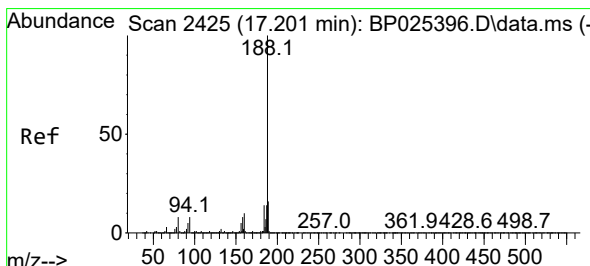
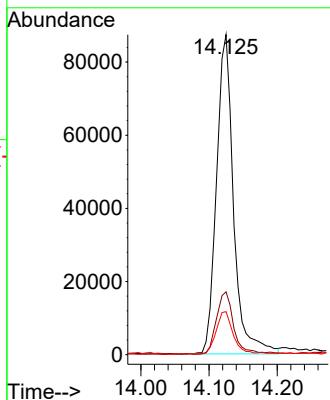
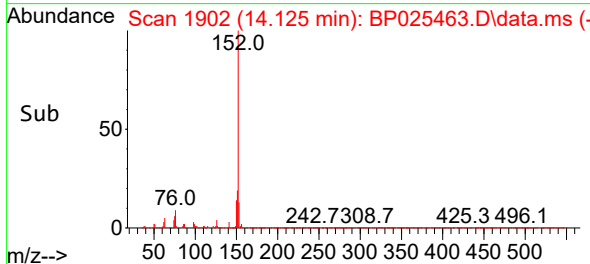
Instrument :
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ClientSampleId :
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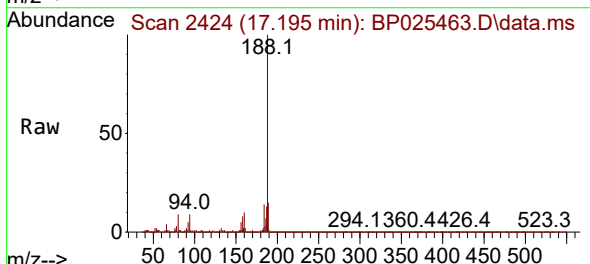
Tgt Ion:152 Resp: 151884
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.4 10.6 15.8

Manual Integrations
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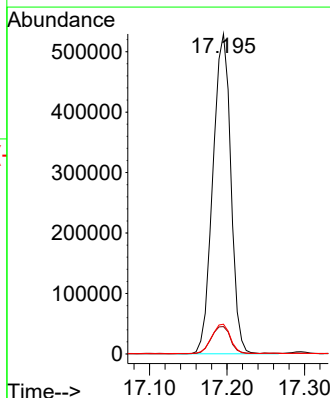
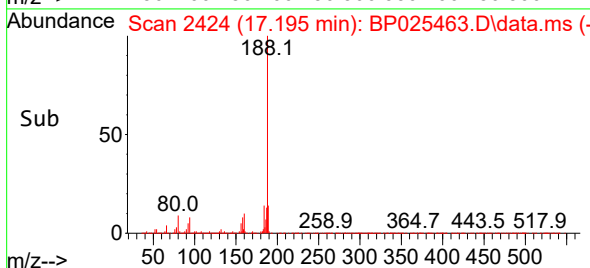
Reviewed By :Rahul Chavli 08/19/2025
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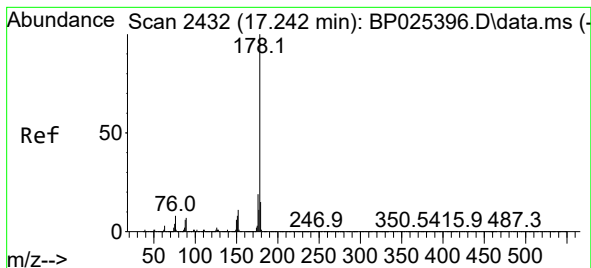


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13



Tgt Ion:188 Resp: 851042
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.3 6.7 10.1





#71

Phenanthrene

Concen: 12.334 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

Tgt Ion:178 Resp: 576620

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

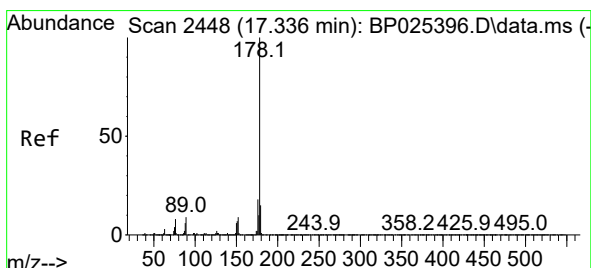
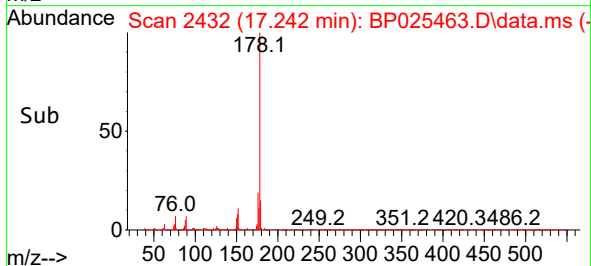
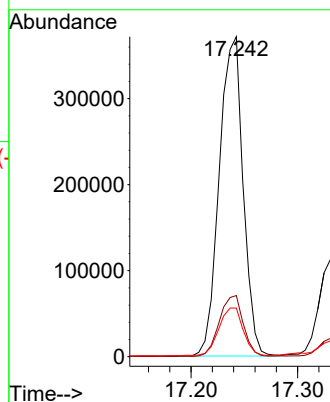
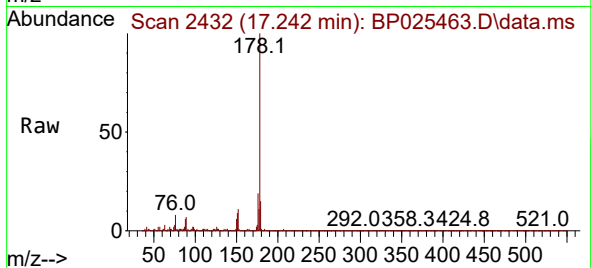
179 15.2 12.2 18.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/19/2025



#72

Anthracene

Concen: 3.631 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

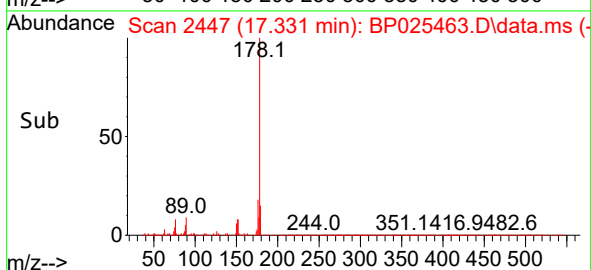
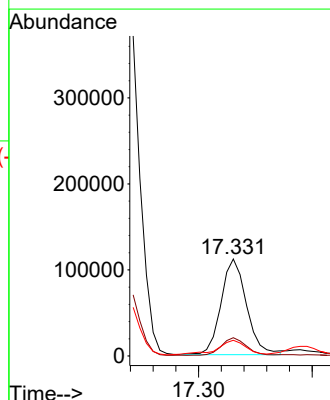
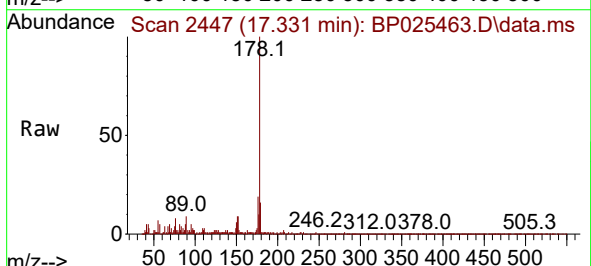
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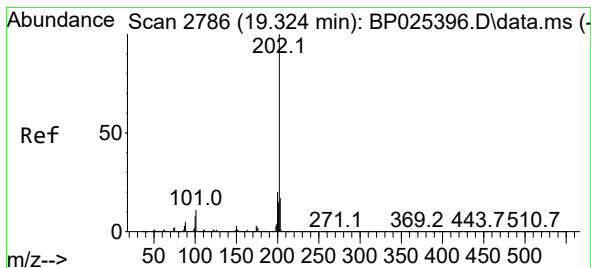
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 16.2 12.2 18.2





#75

Fluoranthene

Concen: 21.039 ng

RT: 19.319 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

Tgt Ion:202 Resp: 1173219

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.1

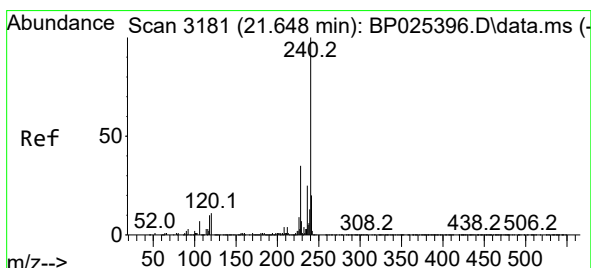
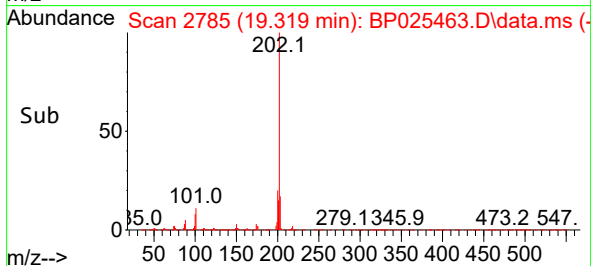
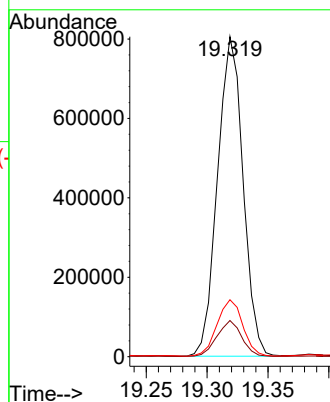
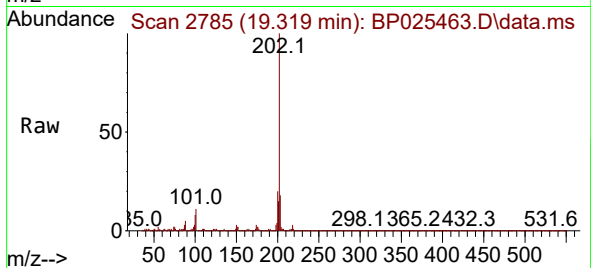
203 17.8 0.0 37.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/19/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

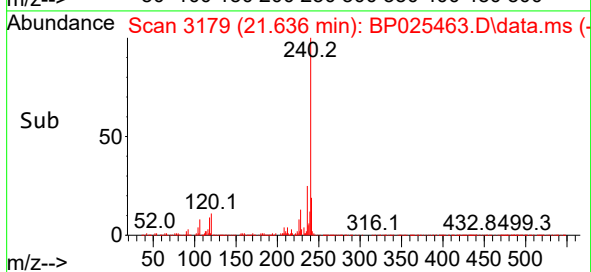
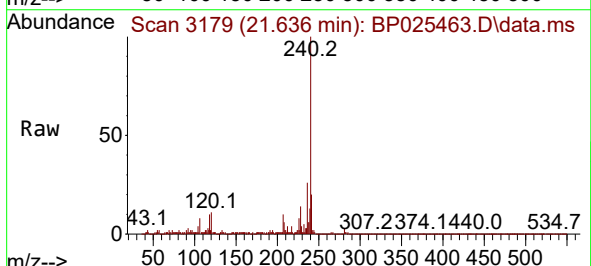
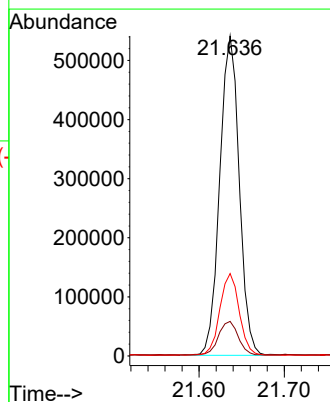
Tgt Ion:240 Resp: 858717

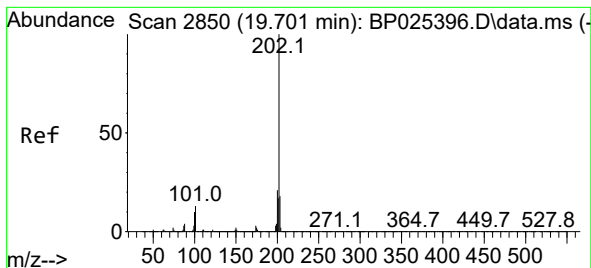
Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.8 19.8 29.8





#78

Pyrene

Concen: 21.689 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

Tgt Ion:202 Resp: 1210570

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

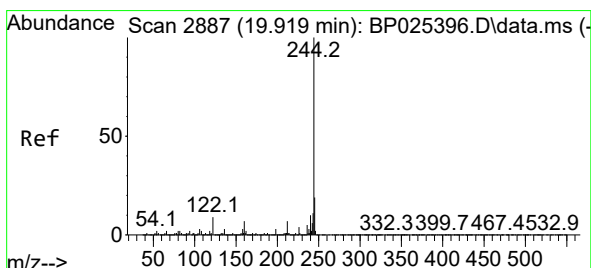
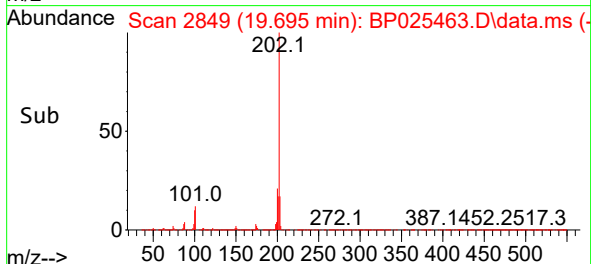
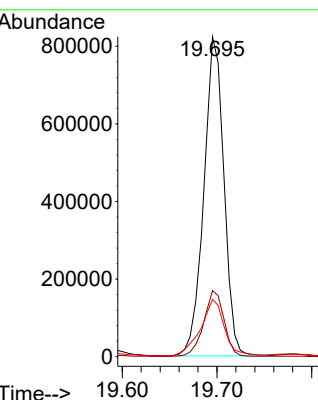
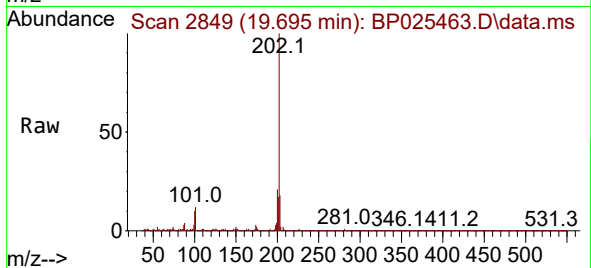
203 17.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#79

Terphenyl-d14

Concen: 10.032 ng

RT: 19.907 min Scan# 2885

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

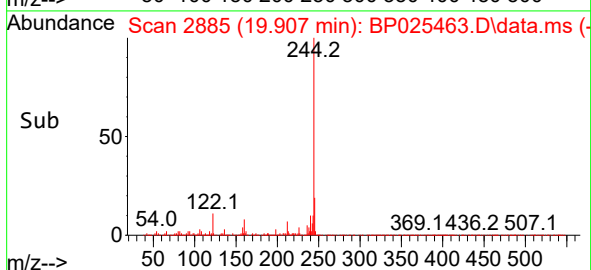
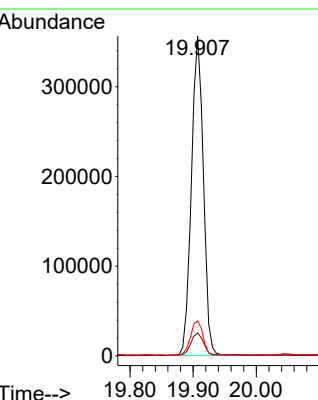
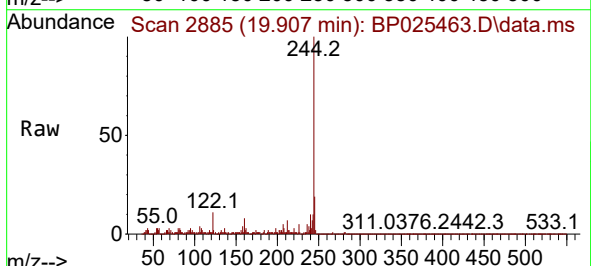
Tgt Ion:244 Resp: 470843

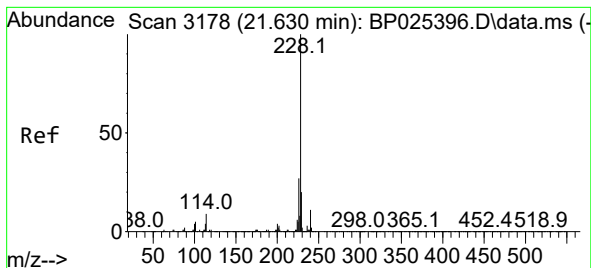
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 11.0 7.4 11.2





#81

Benzo(a)anthracene

Concen: 10.292 ng m

RT: 21.619 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

Tgt Ion:228 Resp: 58288

Ion Ratio Lower Upper

228 100

226 33.4 21.7 32.5

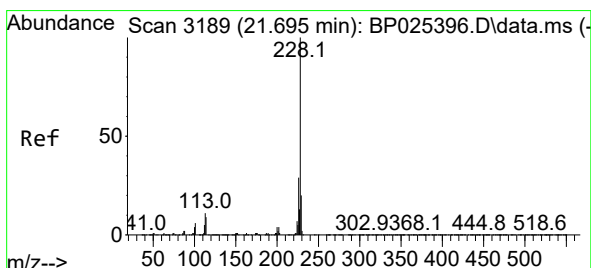
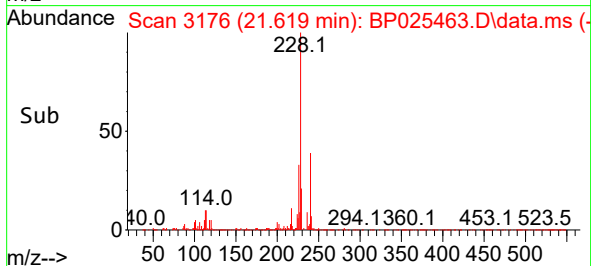
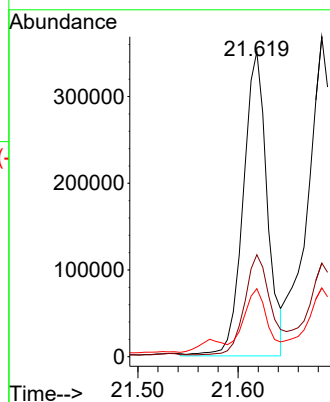
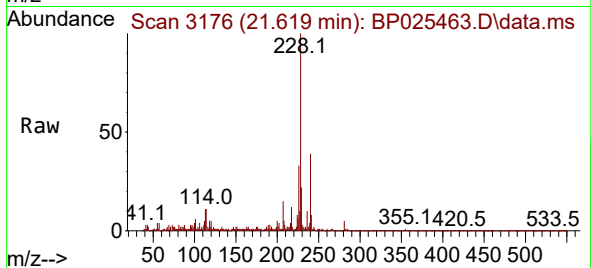
229 22.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#83

Chrysene

Concen: 12.405 ng

RT: 21.683 min Scan# 3187

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

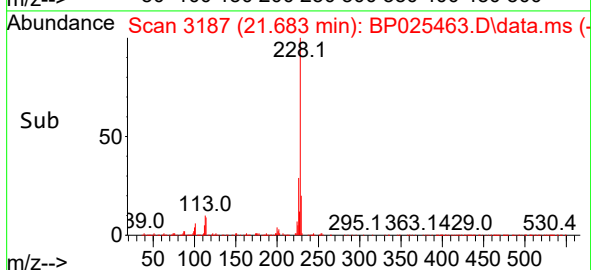
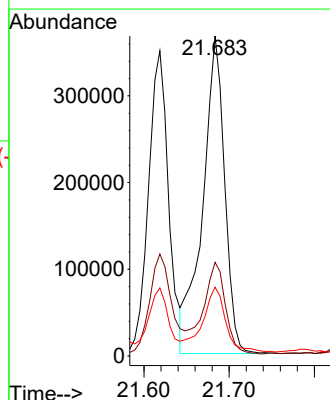
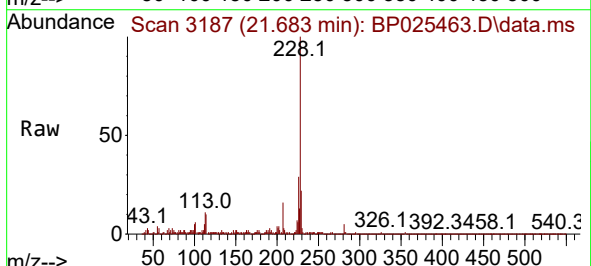
Tgt Ion:228 Resp: 657911

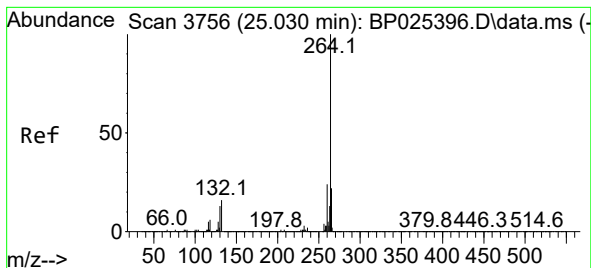
Ion Ratio Lower Upper

228 100

226 29.2 23.2 34.8

229 21.5 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

Tgt Ion:264 Resp: 1024690

Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

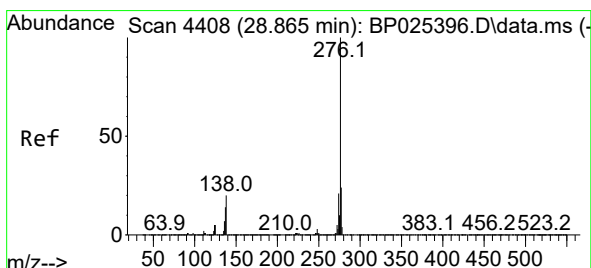
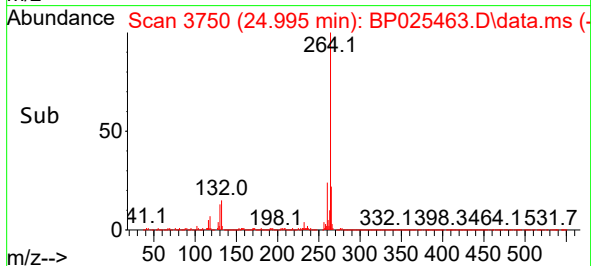
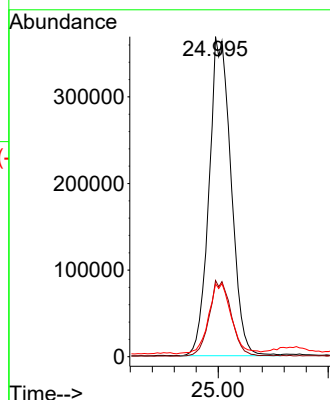
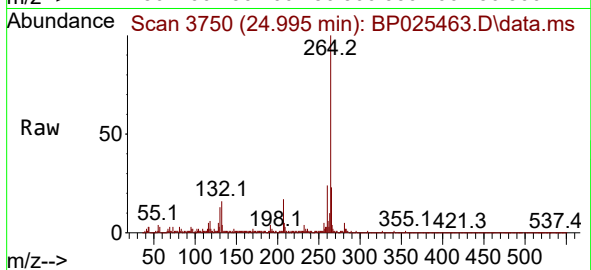
265 22.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.758 ng

RT: 28.830 min Scan# 4402

Delta R.T. -0.035 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

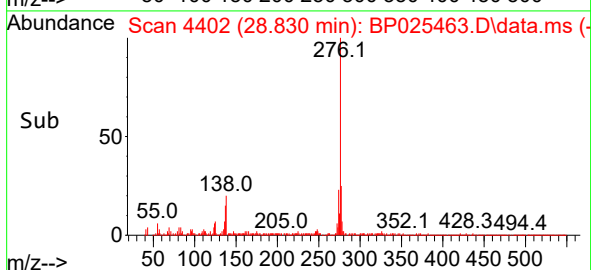
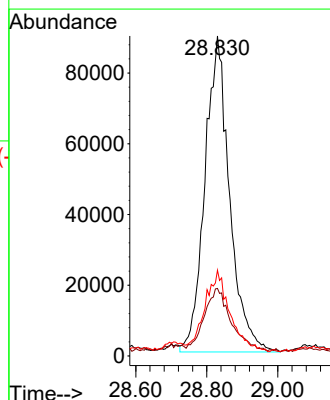
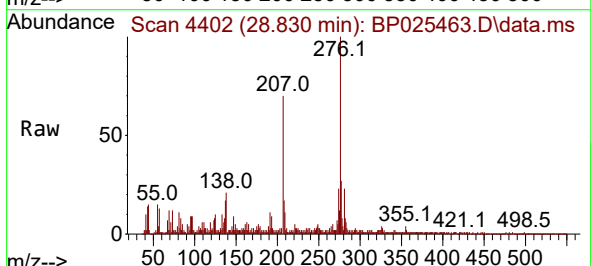
Tgt Ion:276 Resp: 432704

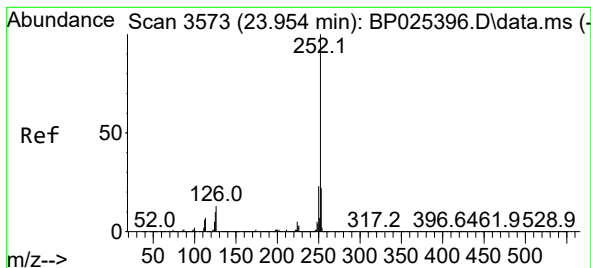
Ion Ratio Lower Upper

276 100

138 21.5 12.9 19.3#

277 26.1 17.0 25.6#





#88

Benzo(b)fluoranthene

Concen: 13.462 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

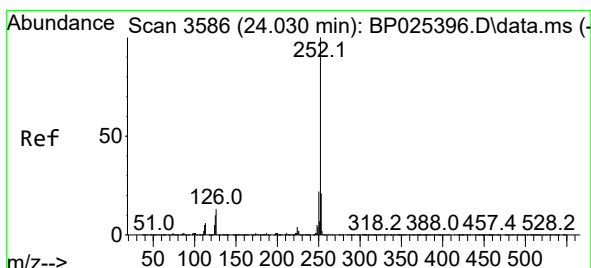
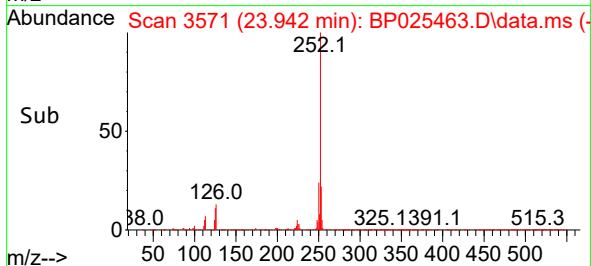
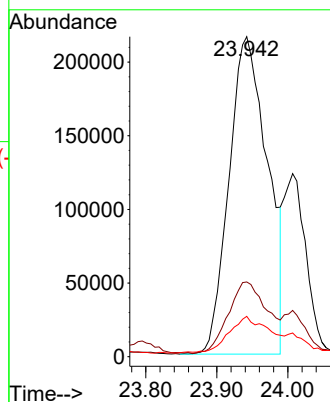
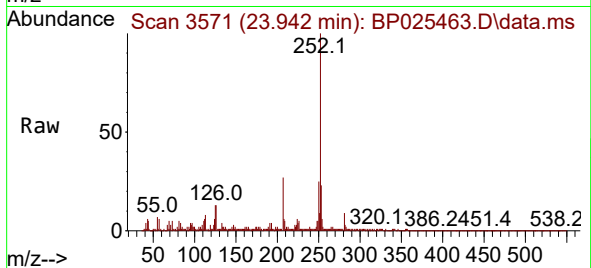
Tgt Ion:252 Resp: 813402
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 12.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#89

Benzo(k)fluoranthene

Concen: 5.014 ng m

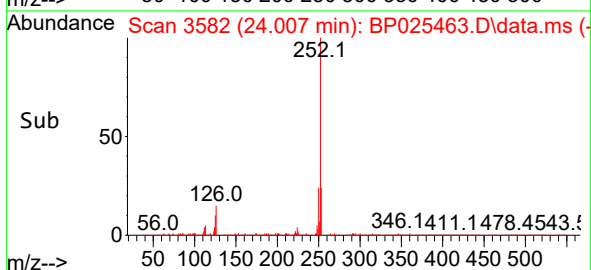
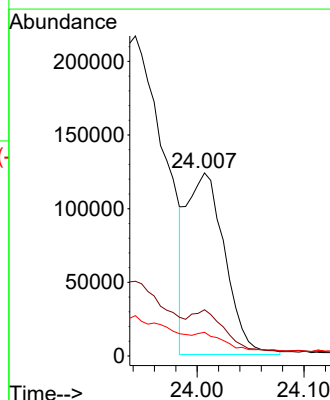
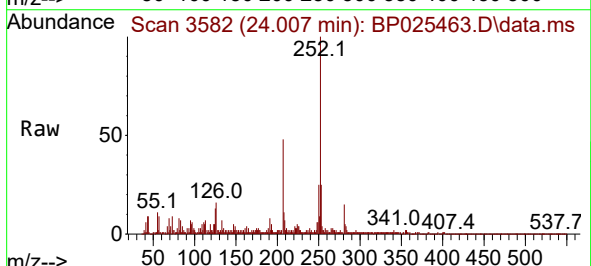
RT: 24.007 min Scan# 3582

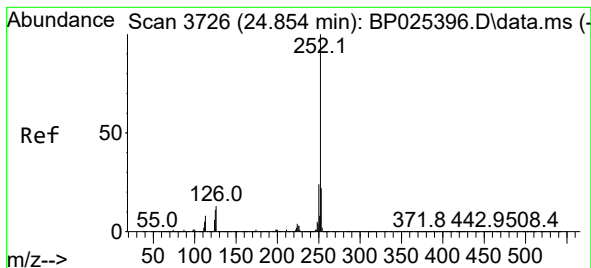
Delta R.T. -0.023 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Tgt Ion:252 Resp: 303196
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.1 25.7
 125 12.9 7.8 11.6





#90

Benzo(a)pyrene

Concen: 9.768 ng

RT: 24.842 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

RBR2520553

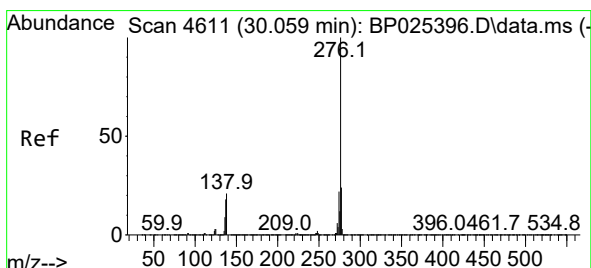
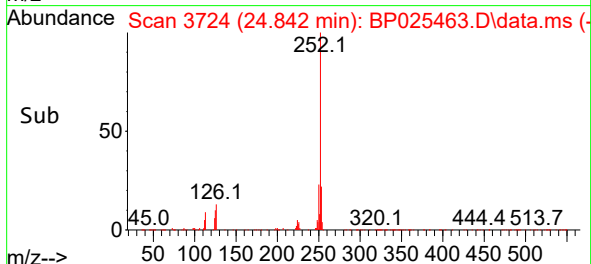
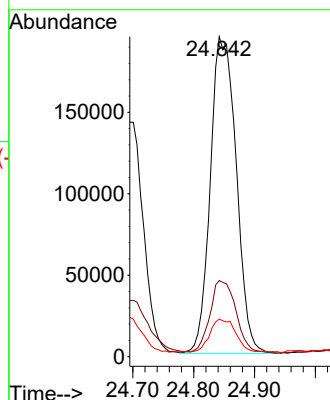
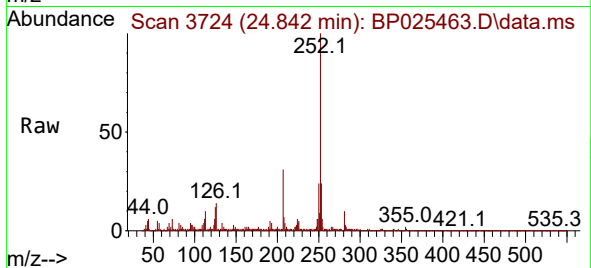
Tgt Ion:252 Resp: 57454
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.5 26.3
 125 11.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#92

Benzo(g,h,i)perylene

Concen: 6.974 ng

RT: 30.018 min Scan# 4604

Delta R.T. -0.041 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Tgt Ion:276 Resp: 421005
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.4 29.0
 138 21.5 16.7 25.1

