

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025461.D
 Acq On : 18 Aug 2025 14:50
 Operator : CG/JU
 Sample : Q2877-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-08142025

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 15:31:35 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	7.784	152	170053	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	686702	20.000	ng	0.00
39) Acenaphthene-d10	14.390	164	430861	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	839067	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	883562	20.000	ng	0.00
86) Perylene-d12	25.001	264	997813	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	177280	17.313	ng	0.00
7) Phenol-d6	6.966	99	235846	17.965	ng	0.00
23) Nitrobenzene-d5	8.925	82	147076	10.834	ng	-0.01
42) 2,4,6-Tribromophenol	15.895	330	98421	16.971	ng	-0.02
45) 2-Fluorobiphenyl	13.007	172	364639	11.566	ng	-0.01
79) Terphenyl-d14	19.919	244	578699	11.983	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.231	178	524263	11.374	ng	99
72) Anthracene	17.319	178	173848	3.693	ng	98
75) Fluoranthene	19.319	202	1155812	21.022	ng	99
78) Pyrene	19.695	202	956725	16.659	ng	99
81) Benzo(a)anthracene	21.624	228	545247	9.357	ng	99
83) Chrysene	21.689	228	471146	8.634	ng	98
87) Indeno(1,2,3-cd)pyrene	28.824	276	359562	4.914	ng	# 90
88) Benzo(b)fluoranthene	23.948	252	674861	11.470	ng	96
89) Benzo(k)fluoranthene	24.013	252	219688m	3.731	ng	
90) Benzo(a)pyrene	24.848	252	495799	8.657	ng	96
92) Benzo(g,h,i)perylene	30.000	276	335614	5.709	ng	96

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

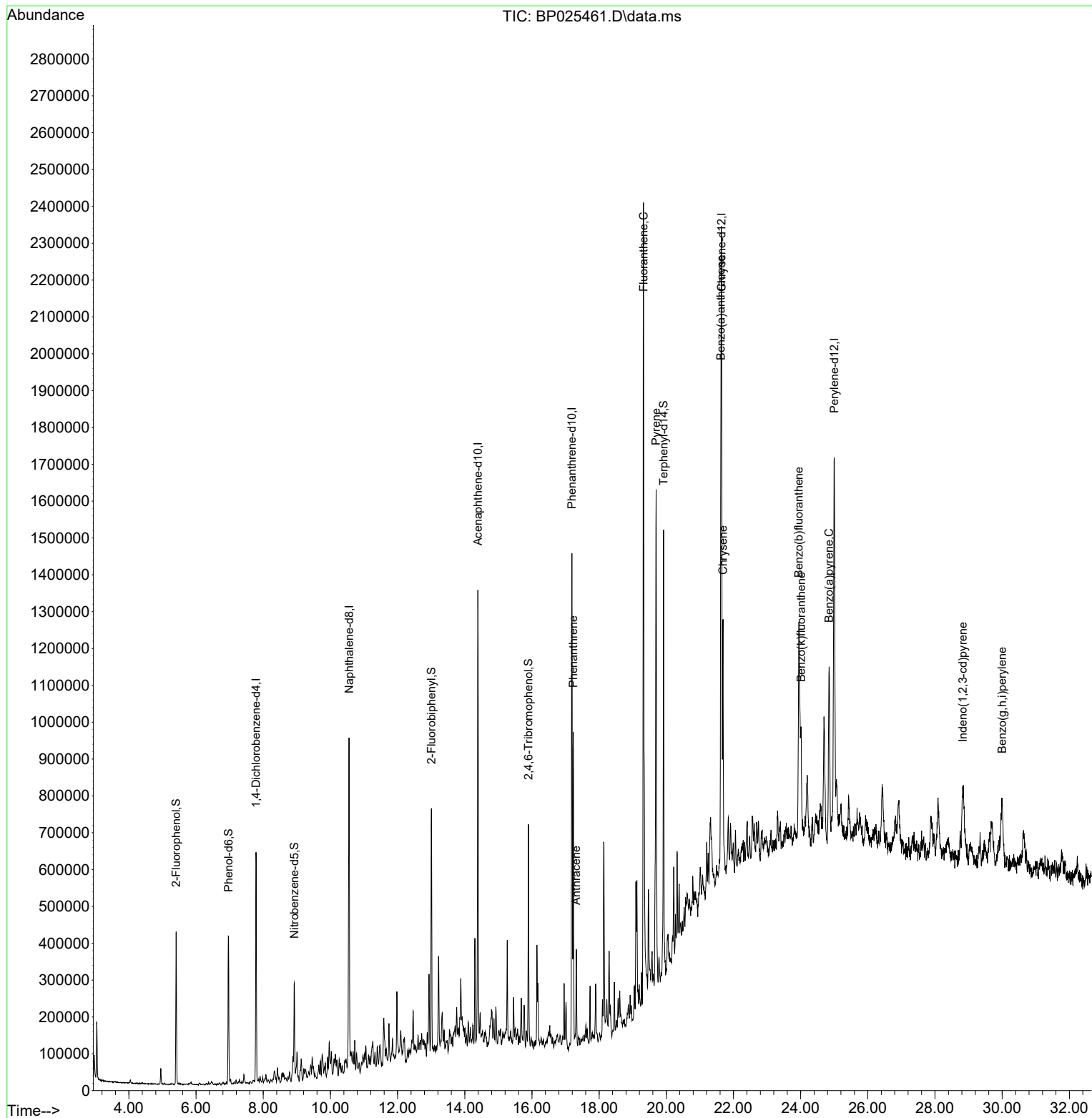
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025461.D
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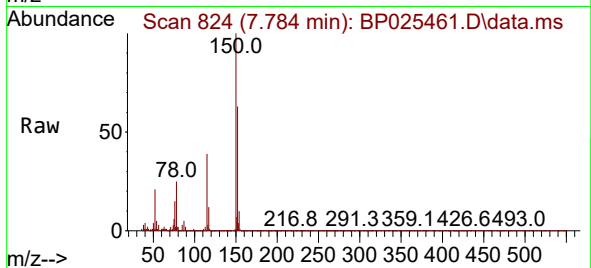
Quant Time: Aug 18 15:31:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

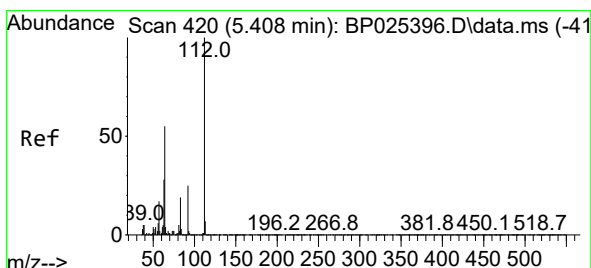
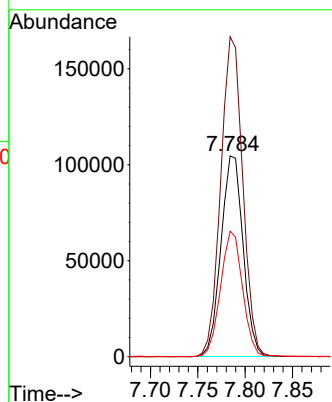
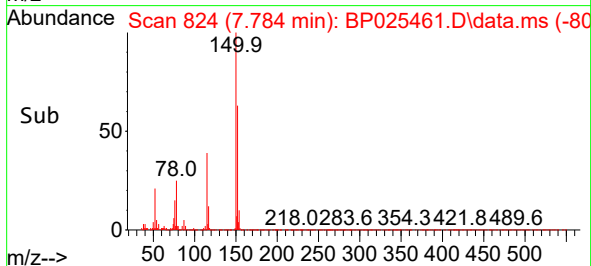
Instrument :
BNA_P
ClientSampleId :
EO-02-08142025



Tgt Ion:152 Resp: 17005
Ion Ratio Lower Upper
152 100
150 159.3 125.9 188.9
115 62.5 48.5 72.7

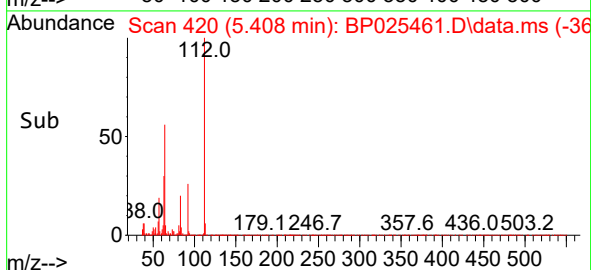
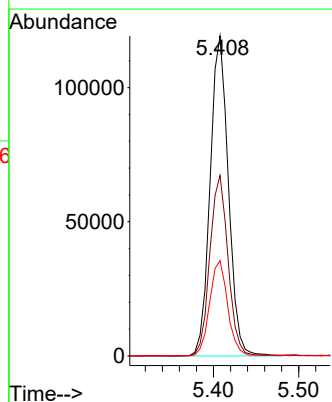
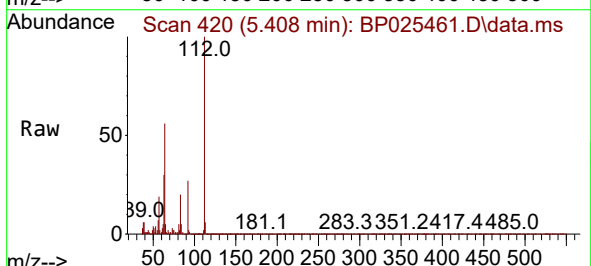
Manual Integrations
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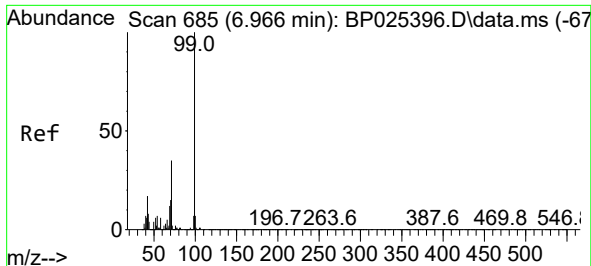
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#5
2-Fluorophenol
Concen: 17.313 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

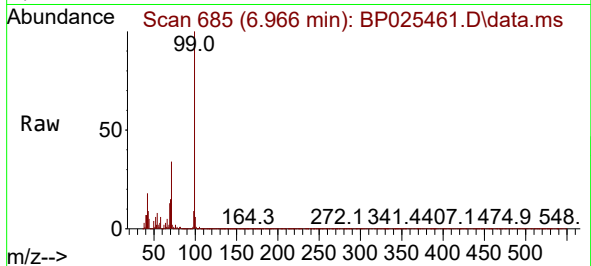
Tgt Ion:112 Resp: 177280
Ion Ratio Lower Upper
112 100
64 56.4 43.8 65.8
63 29.8 22.7 34.1





#7
Phenol-d6
Concen: 17.965 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

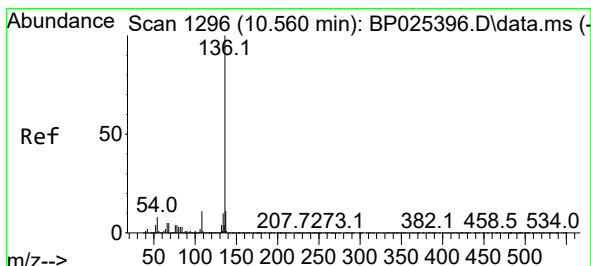
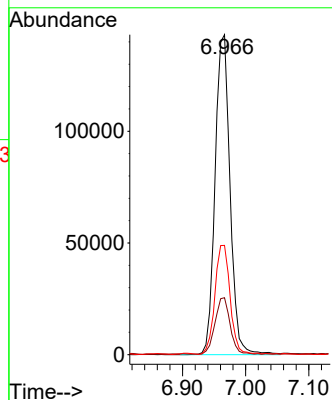
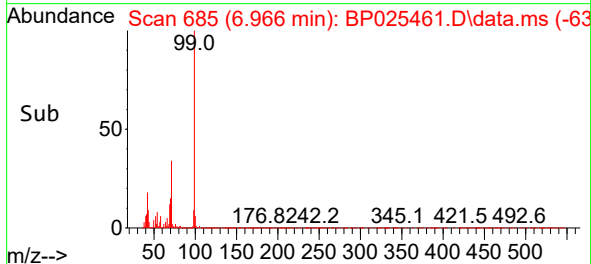
Instrument :
BNA_P
ClientSampleId :
EO-02-08142025



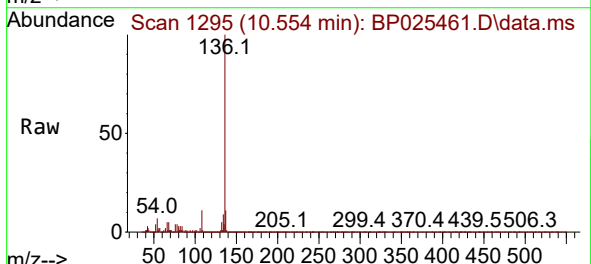
Tgt Ion: 99 Resp: 235840
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 34.1 28.2 42.4

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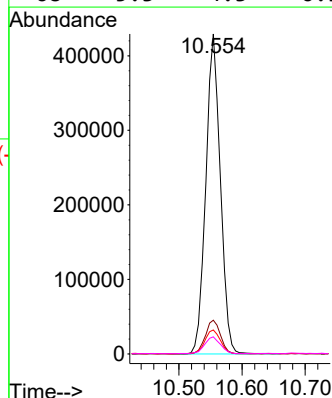
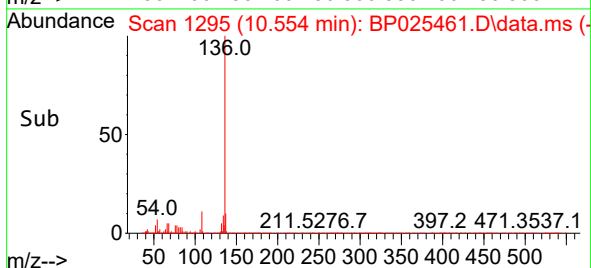
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

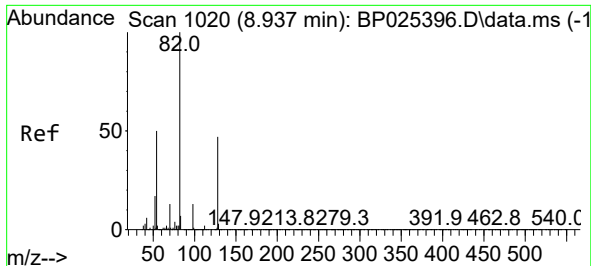


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50



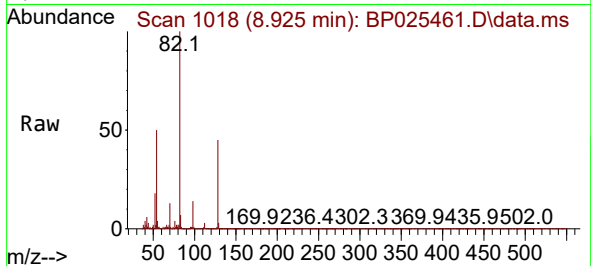
Tgt Ion:136 Resp: 686702
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.5 6.0 9.0
68 5.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 10.834 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

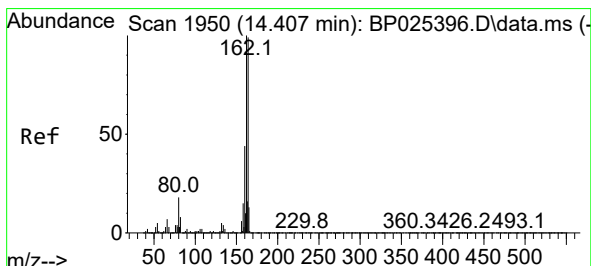
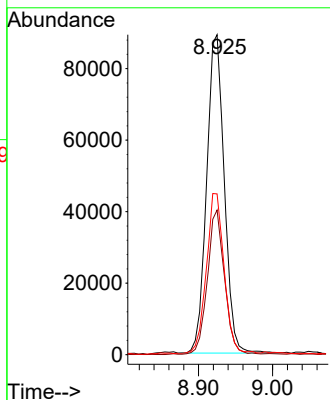
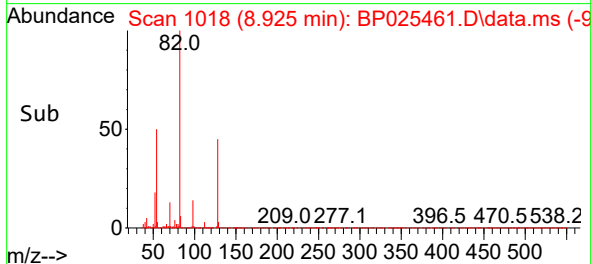
Instrument :
BNA_P
ClientSampleId :
EO-02-08142025



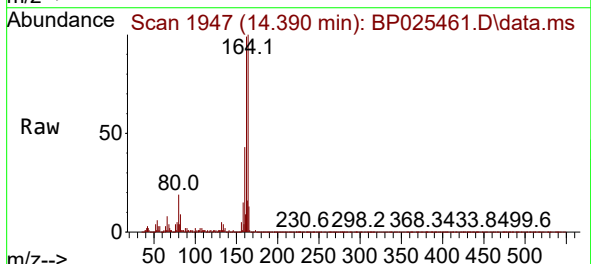
Tgt Ion: 82 Resp: 147070
Ion Ratio Lower Upper
82 100
128 45.2 37.7 56.5
54 50.2 39.8 59.6

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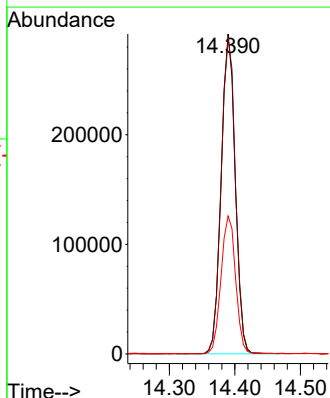
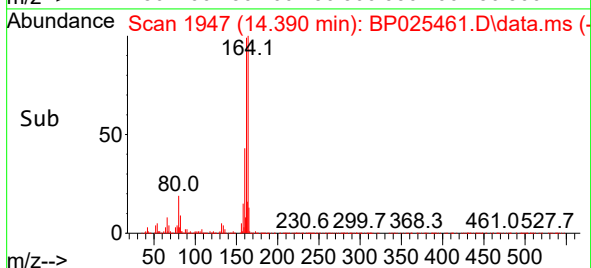
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50



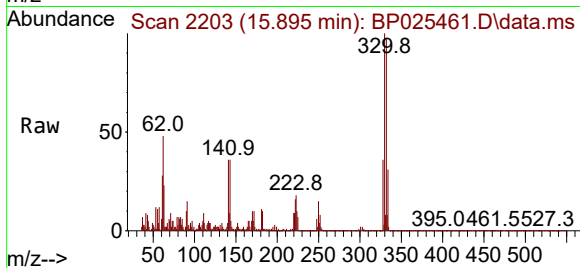
Tgt Ion:164 Resp: 430861
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 43.1 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 16.971 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

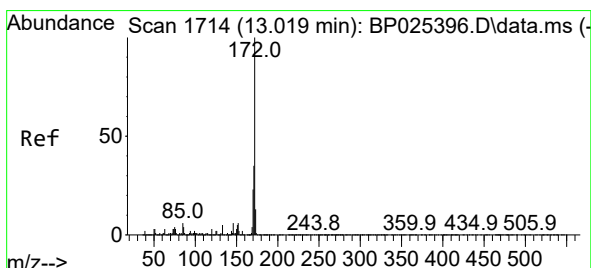
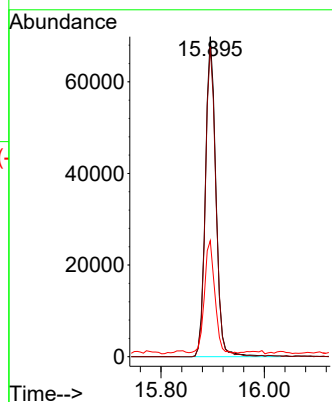
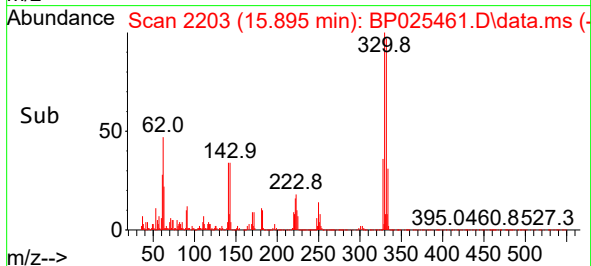
Instrument :
BNA_P
ClientSampleId :
EO-02-08142025



Tgt Ion: 330 Resp: 9842
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 35.0 26.6 39.8

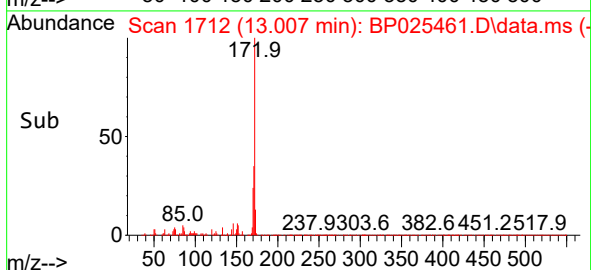
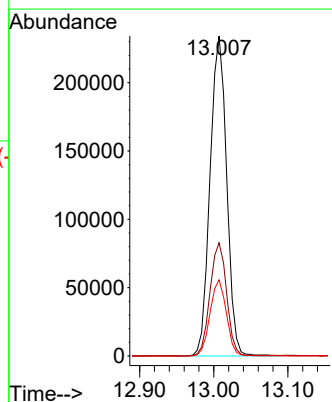
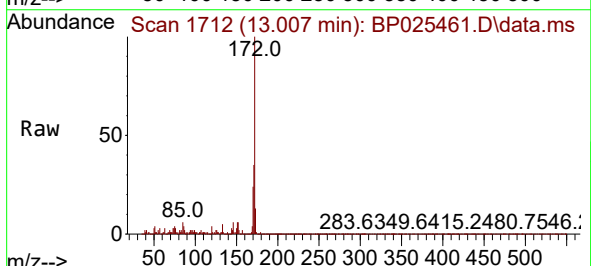
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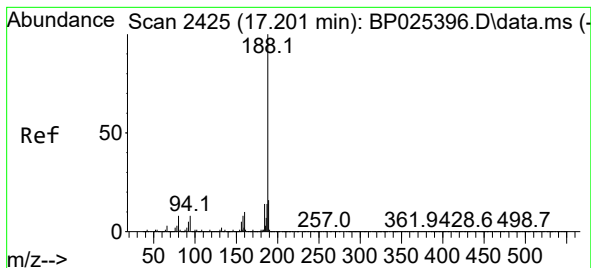
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#45
2-Fluorobiphenyl
Concen: 11.566 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

Tgt Ion: 172 Resp: 364639
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.8 18.6 28.0





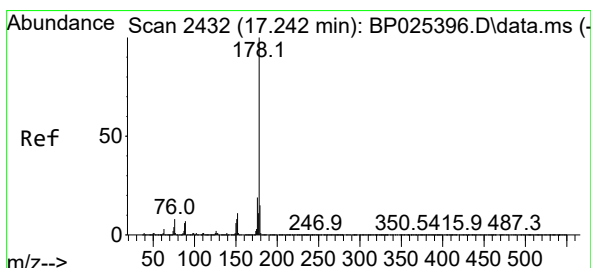
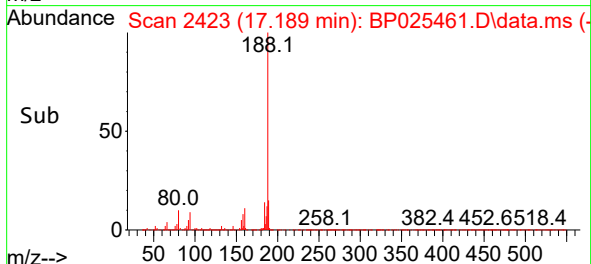
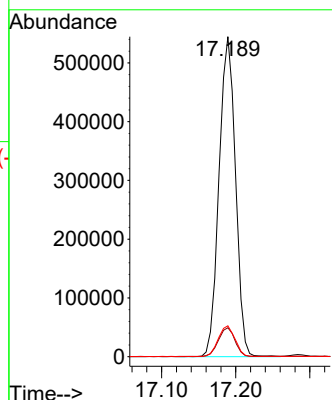
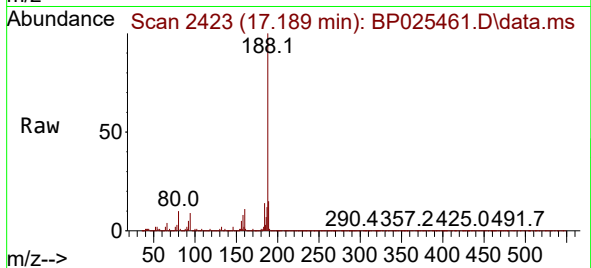
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

Instrument :
BNA_P
ClientSampleId :
EO-02-08142025

Tgt Ion:188 Resp: 83906
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.7 6.7 10.1

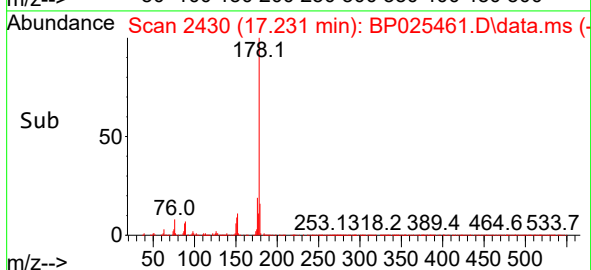
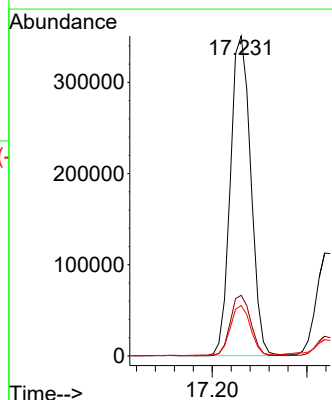
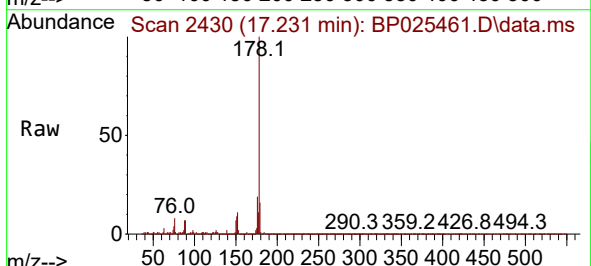
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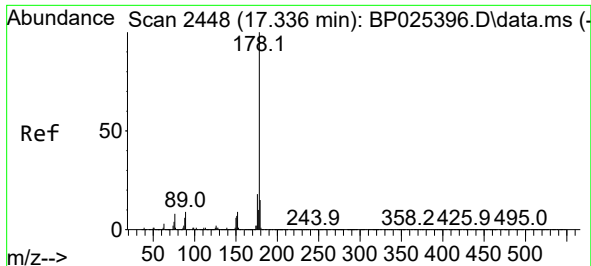
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#71
Phenanthrene
Concen: 11.374 ng
RT: 17.231 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

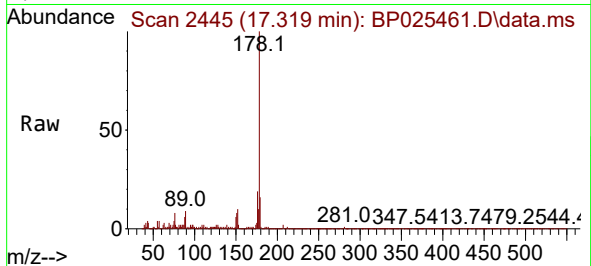
Tgt Ion:178 Resp: 524263
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4





#72
 Anthracene
 Concen: 3.693 ng
 RT: 17.319 min Scan# 2448
 Delta R.T. -0.018 min
 Lab File: BP025461.D
 Acq: 18 Aug 2025 14:50

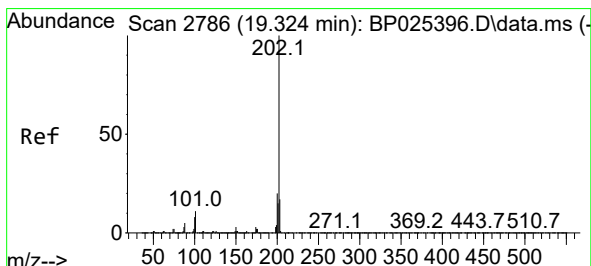
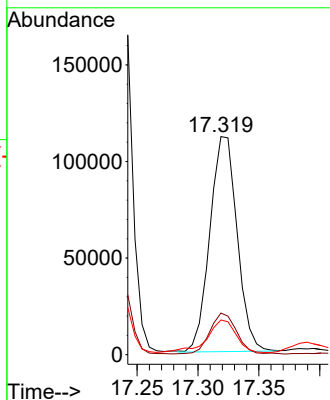
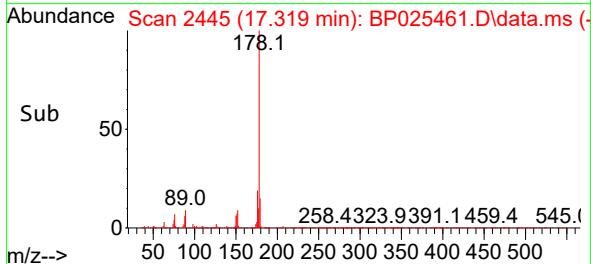
Instrument : BNA_P
 ClientSampleId : EO-02-08142025



Tgt Ion:178 Resp: 173848
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.7 22.1
 179 15.9 12.2 18.2

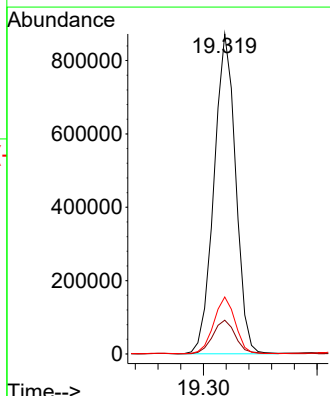
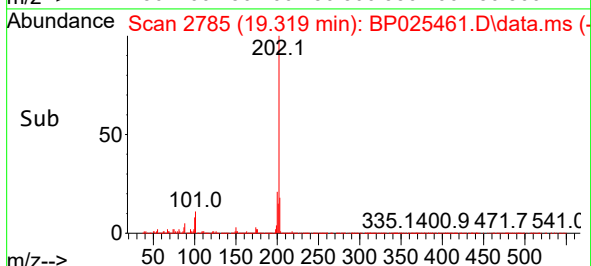
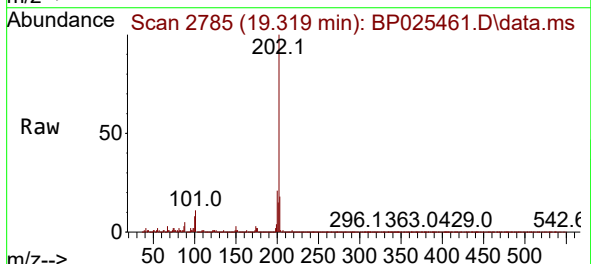
Manual Integrations
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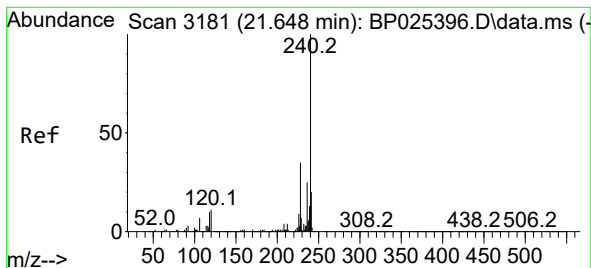
Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025



#75
 Fluoranthene
 Concen: 21.022 ng
 RT: 19.319 min Scan# 2785
 Delta R.T. -0.006 min
 Lab File: BP025461.D
 Acq: 18 Aug 2025 14:50

Tgt Ion:202 Resp: 1155812
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.1
 203 17.8 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

EO-02-08142025

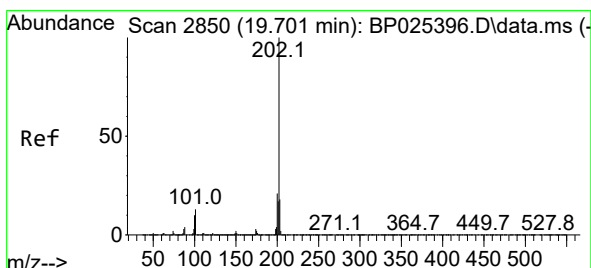
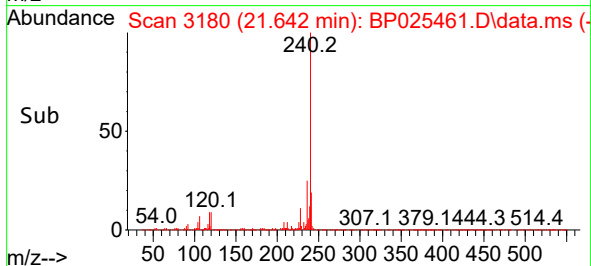
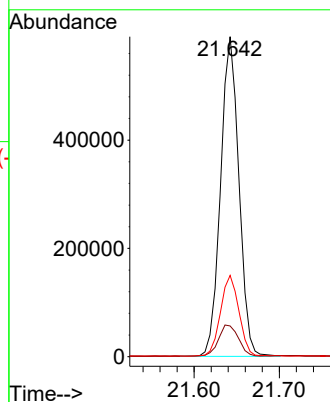
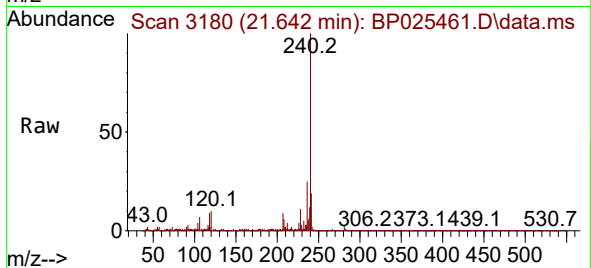
Tgt Ion:240 Resp: 883562
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.9 13.3
 236 25.4 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#78

Pyrene

Concen: 16.659 ng

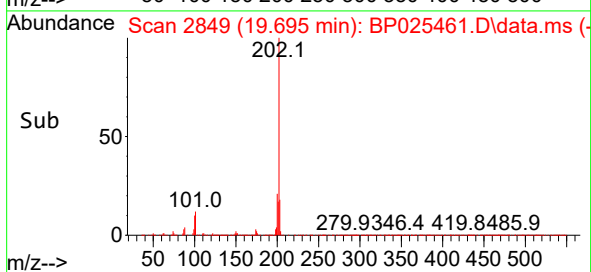
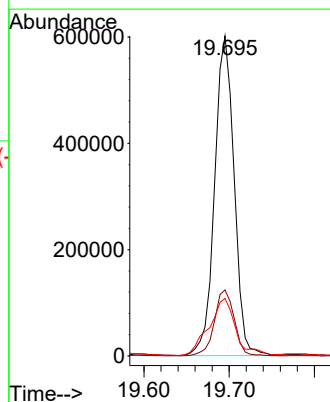
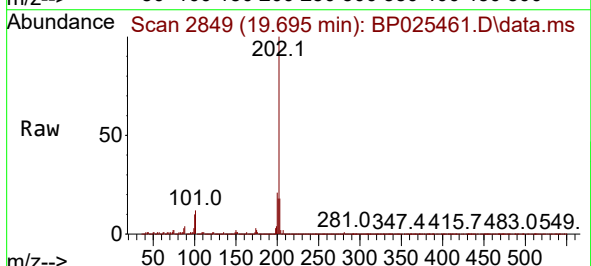
RT: 19.695 min Scan# 2849

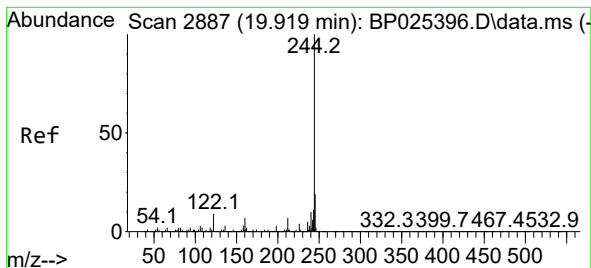
Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Tgt Ion:202 Resp: 956725
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.9 25.3
 203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 11.983 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025461.D

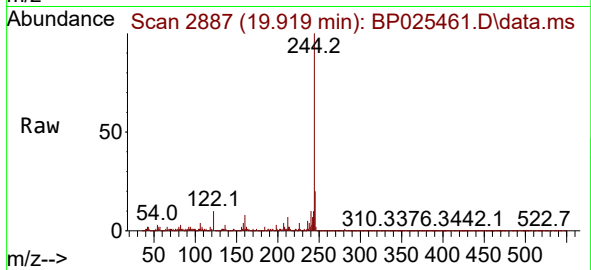
Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

EO-02-08142025



Tgt Ion:244 Resp: 578699

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

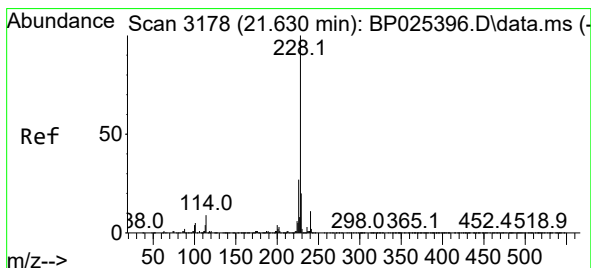
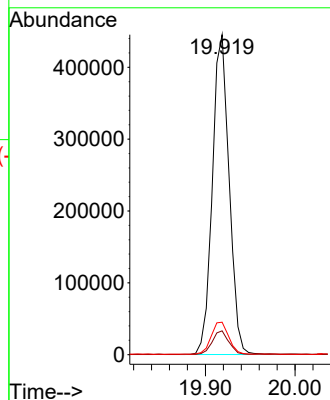
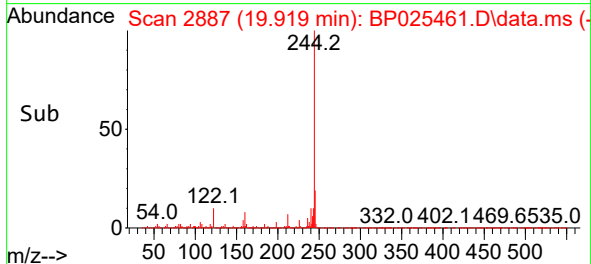
122 10.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#81

Benzo(a)anthracene

Concen: 9.357 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

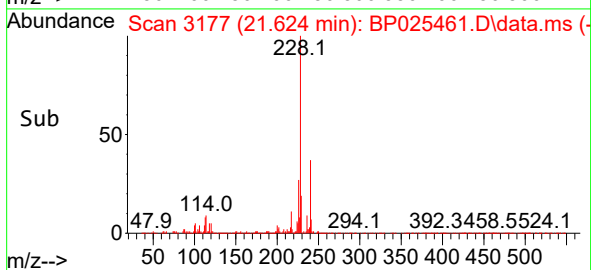
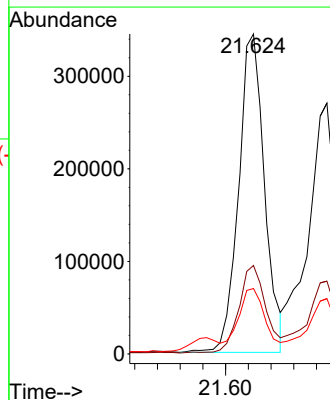
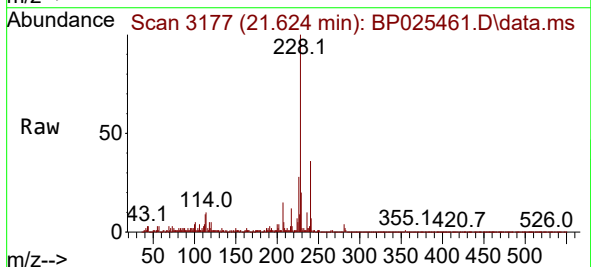
Tgt Ion:228 Resp: 545247

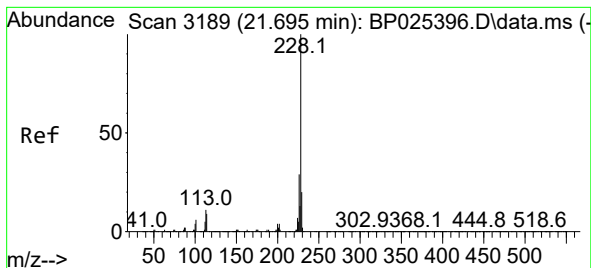
Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 20.4 15.6 23.4





#83

Chrysene

Concen: 8.634 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

EO-02-08142025

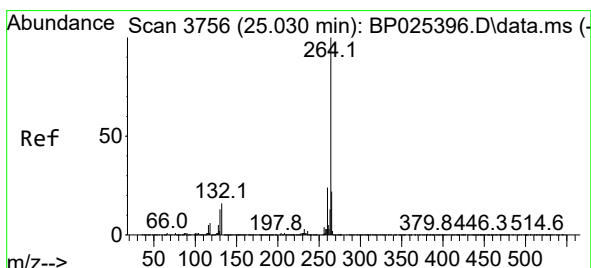
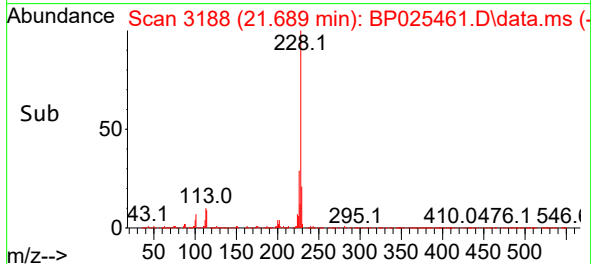
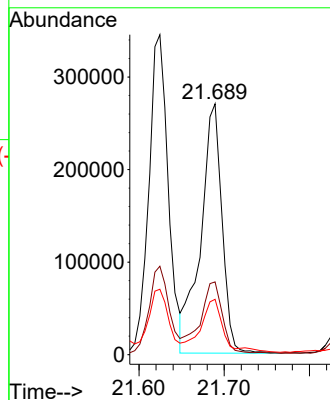
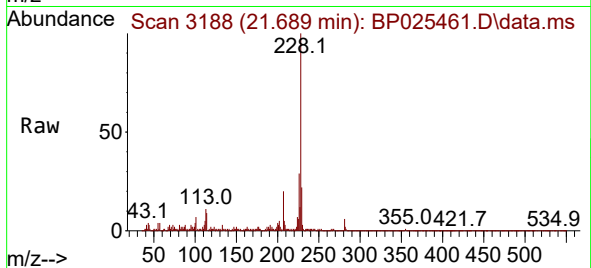
Tgt Ion:228	Resp: 471140
Ion Ratio	Lower Upper
228 100	
226 29.0	23.2 34.8
229 22.1	15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#86

Perylene-d12

Concen: 20.000 ng

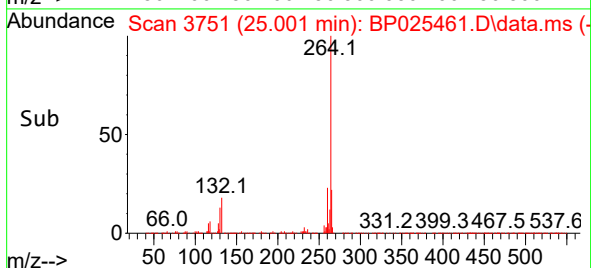
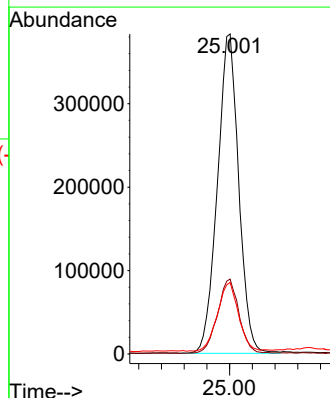
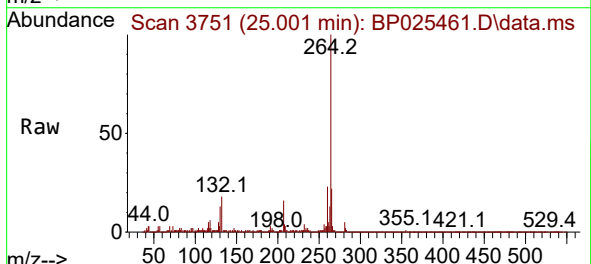
RT: 25.001 min Scan# 3751

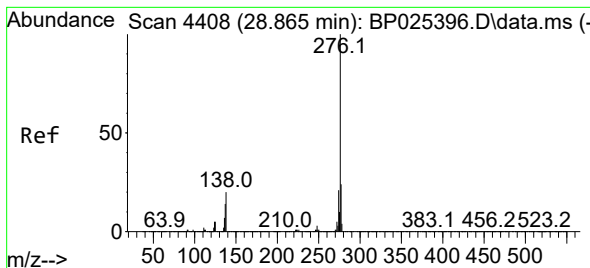
Delta R.T. -0.029 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Tgt Ion:264	Resp: 997813
Ion Ratio	Lower Upper
264 100	
260 23.4	19.3 28.9
265 22.4	17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.914 ng

RT: 28.824 min Scan# 4408

Delta R.T. -0.041 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

EO-02-08142025

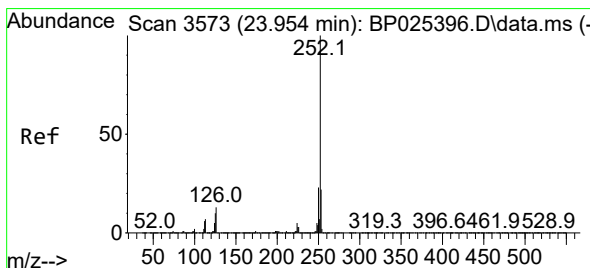
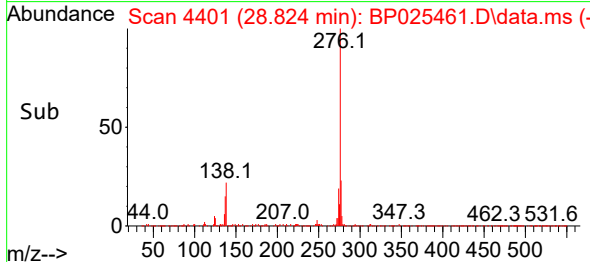
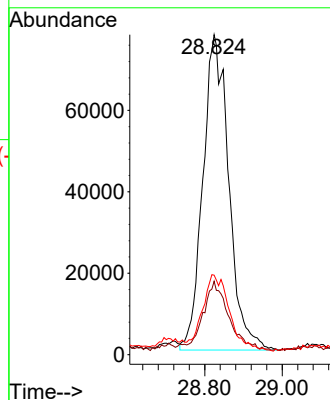
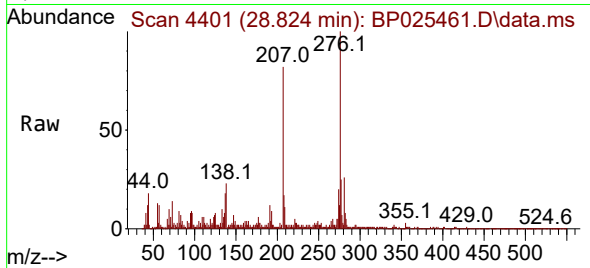
Tgt Ion:	276	Resp:	35956
Ion Ratio	Lower	Upper	
276	100		
138	21.2	12.9	19.3
277	25.4	17.0	25.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#88

Benzo(b)fluoranthene

Concen: 11.470 ng

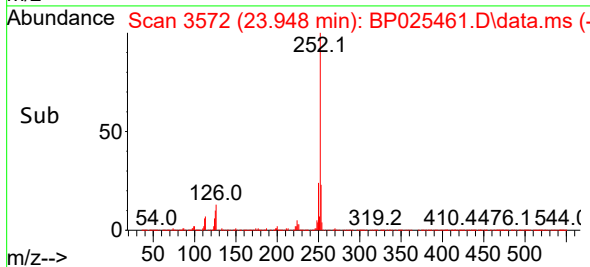
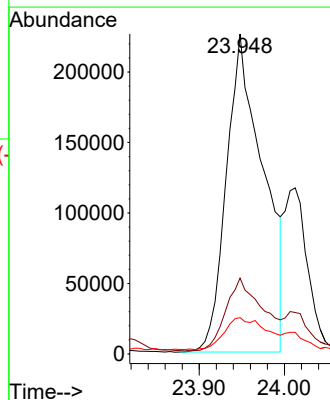
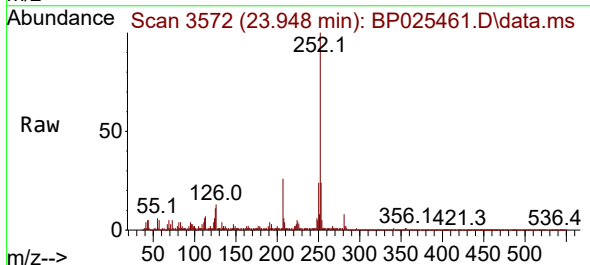
RT: 23.948 min Scan# 3572

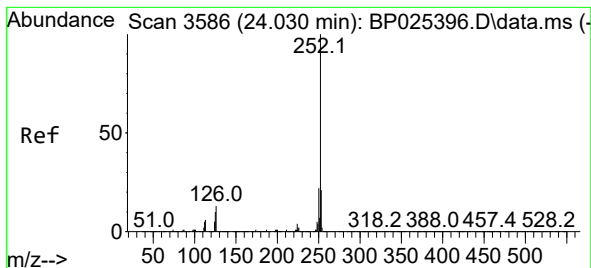
Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Tgt Ion:	252	Resp:	674861
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	11.4	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 3.731 ng m

RT: 24.013 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

EO-02-08142025

Tgt Ion:252 Resp: 21968

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

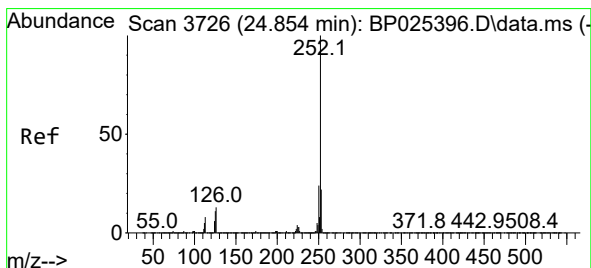
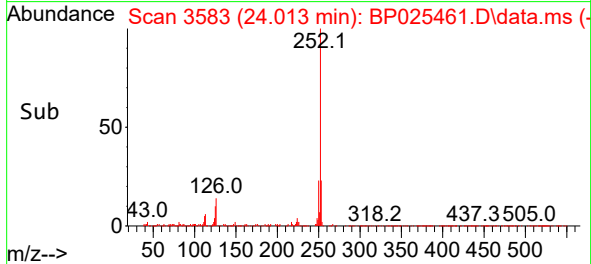
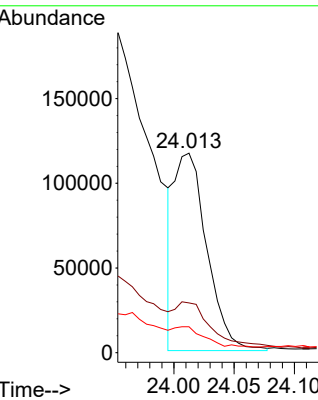
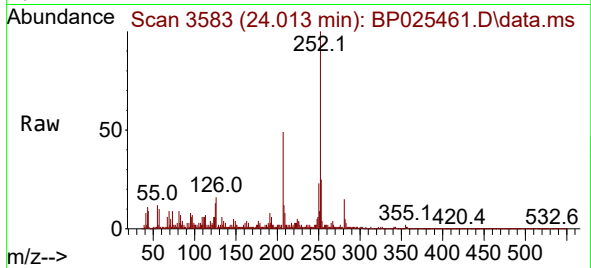
125 13.0 7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#90

Benzo(a)pyrene

Concen: 8.657 ng

RT: 24.848 min Scan# 3725

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

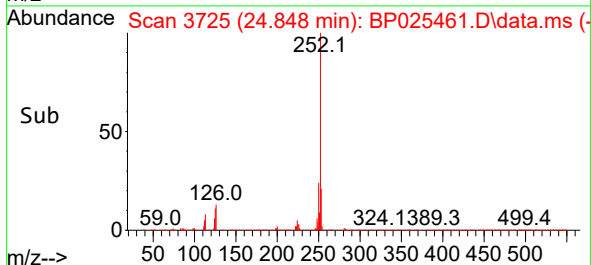
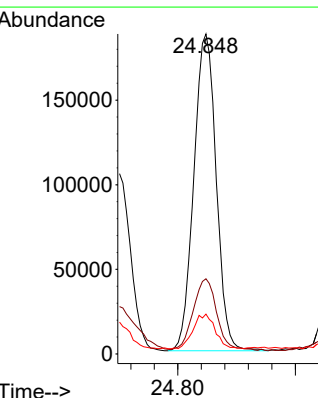
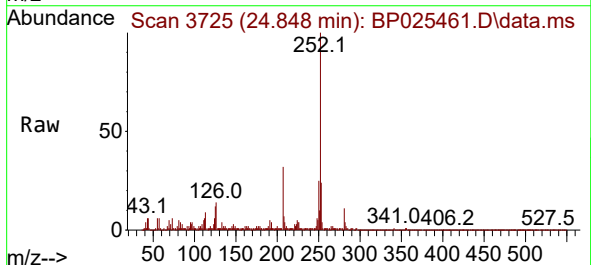
Tgt Ion:252 Resp: 495799

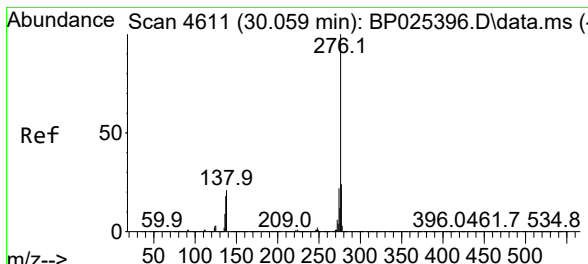
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

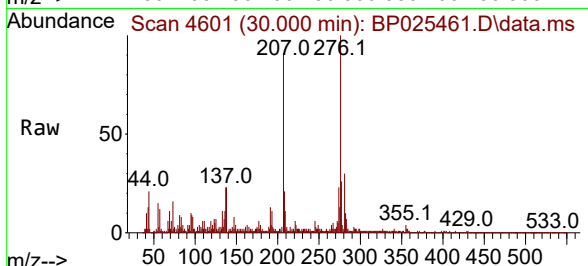
125 12.5 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.709 ng
 RT: 30.000 min Scan# 40
 Delta R.T. -0.059 min
 Lab File: BP025461.D
 Acq: 18 Aug 2025 14:50

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-08142025



Tgt Ion:	276	Resp:	335614
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.4	29.0
138	23.2	16.7	25.1

Manual Integrations
 APPROVED

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

