

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025547.D
 Acq On : 22 Aug 2025 13:32
 Operator : CG/JU
 Sample : Q2832-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TG-S01

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/25/2025
 Supervised By :Jagrut Upadhyay 08/25/2025

Quant Time: Aug 22 14:05:05 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	7.778	152	203646	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	856804	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	567110	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1156512	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	1172172	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1294508	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	169847	13.851	ng	-0.01
7) Phenol-d6	6.960	99	230001	14.629	ng	0.00
23) Nitrobenzene-d5	8.913	82	146959	8.676	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	109864	14.393	ng	-0.01
45) 2-Fluorobiphenyl	12.995	172	390090	9.401	ng	-0.02
79) Terphenyl-d14	19.901	244	643164	10.039	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.596	128	119323	2.679	ng	99
71) Phenanthrene	17.236	178	756424	11.906	ng	100
72) Anthracene	17.330	178	183602	2.830	ng	99
75) Fluoranthene	19.319	202	1019212	13.449	ng	99
78) Pyrene	19.695	202	869774	11.416	ng	99
81) Benzo(a)anthracene	21.618	228	495667	6.412	ng	97
83) Chrysene	21.683	228	430321	5.944	ng	97
87) Indeno(1,2,3-cd)pyrene	28.806	276	269905	2.843	ng	# 89
88) Benzo(b)fluoranthene	23.918	252	565395	7.407	ng	95
89) Benzo(k)fluoranthene	23.995	252	239038m	3.129	ng	
90) Benzo(a)pyrene	24.824	252	399560	5.377	ng	98
92) Benzo(g,h,i)perylene	29.971	276	241393	3.165	ng	98

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

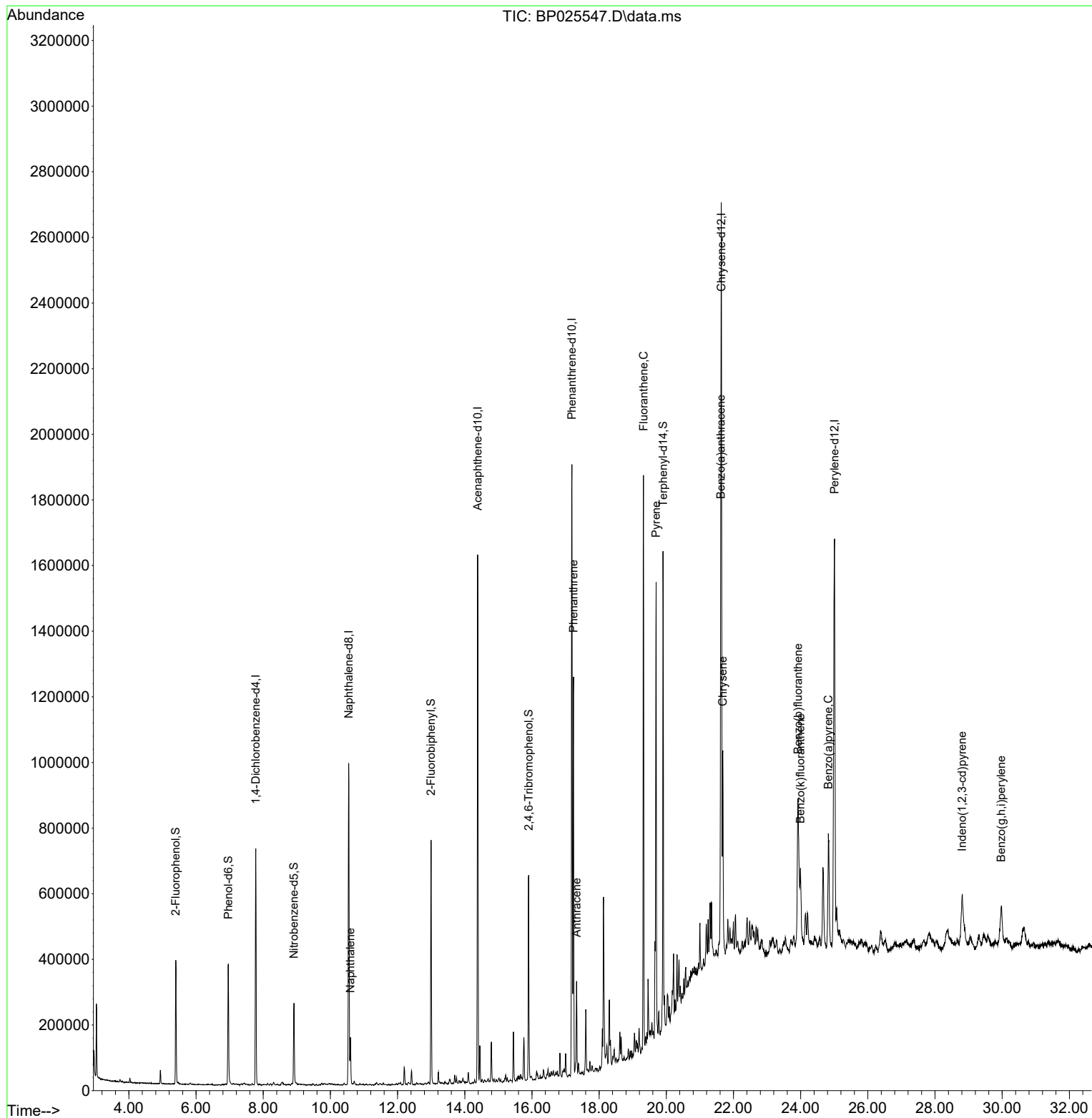
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

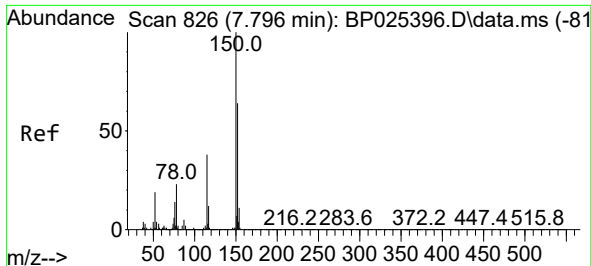
Instrument :
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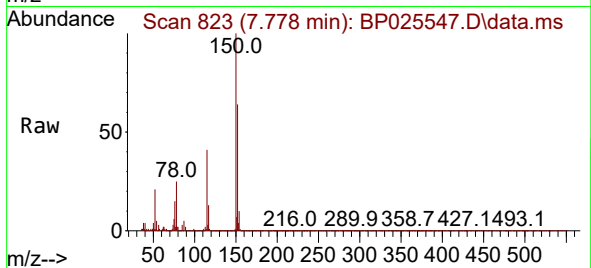
Quant Time: Aug 22 14:05:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

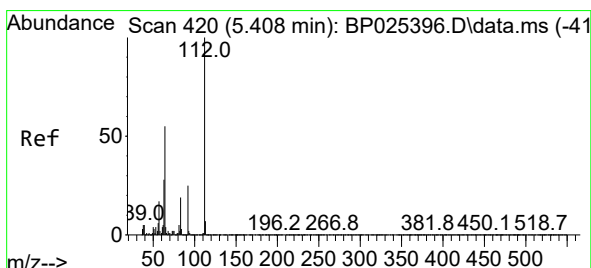
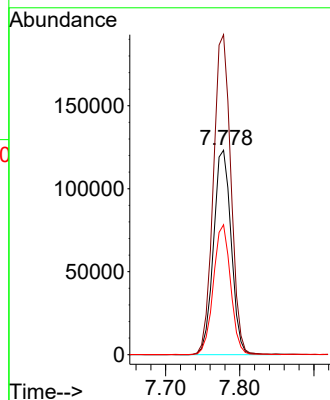
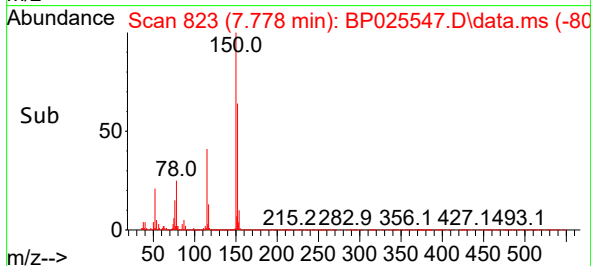
Instrument :
BNA_P
ClientSampleId :
TG-S01



Tgt Ion:152 Resp: 203640
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 63.6 48.5 72.7

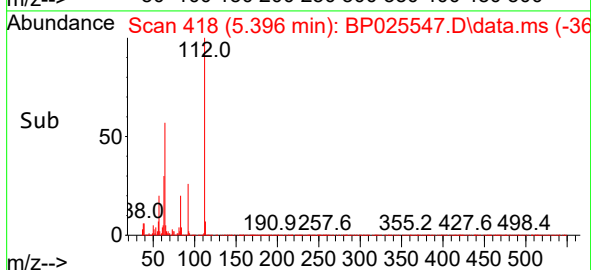
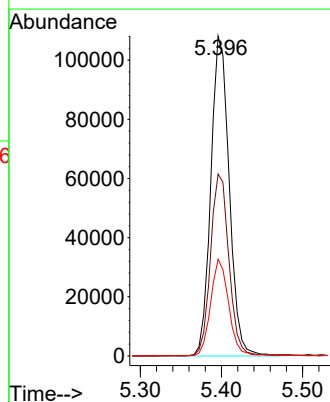
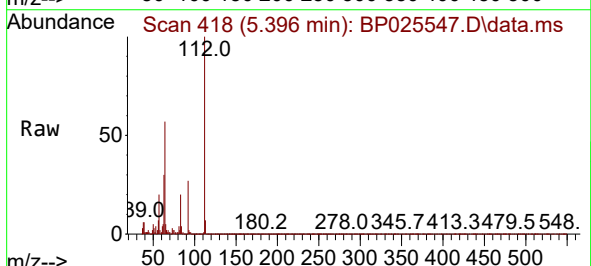
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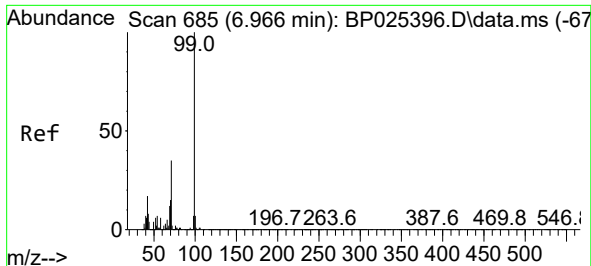
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#5
2-Fluorophenol
Concen: 13.851 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

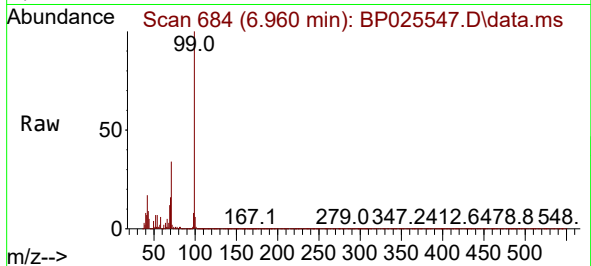
Tgt Ion:112 Resp: 169847
Ion Ratio Lower Upper
112 100
64 56.9 43.8 65.8
63 30.3 22.7 34.1





#7
Phenol-d6
Concen: 14.629 ng
RT: 6.960 min Scan# 685
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

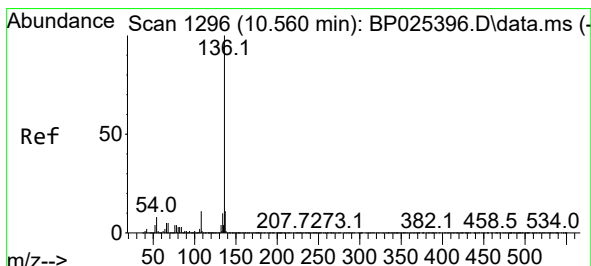
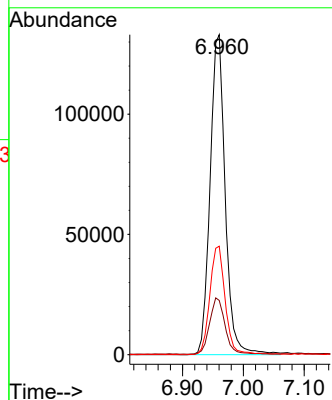
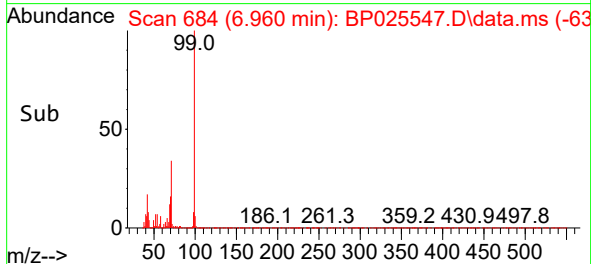
Instrument :
BNA_P
ClientSampleId :
TG-S01



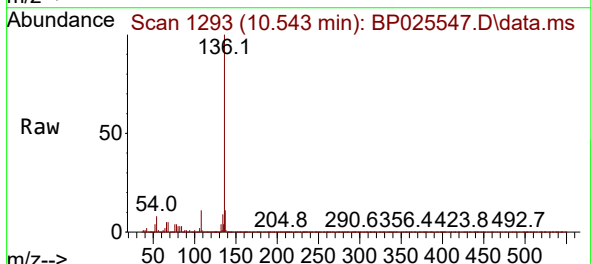
Tgt Ion: 99 Resp: 23000
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 33.9 28.2 42.4

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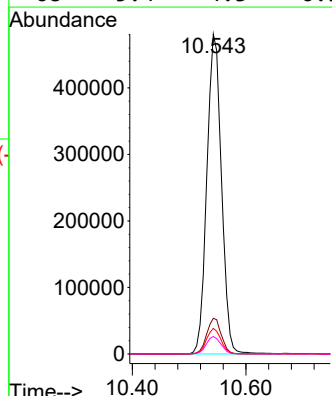
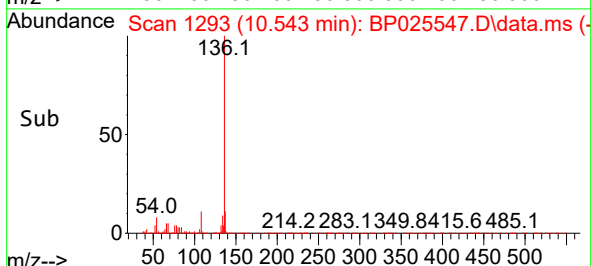
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

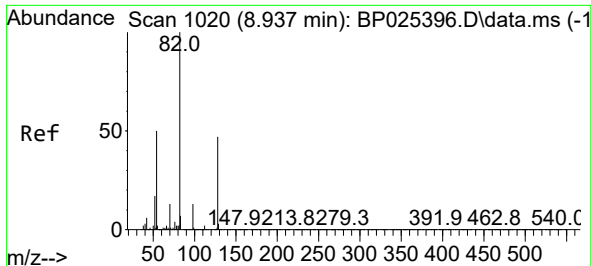


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32



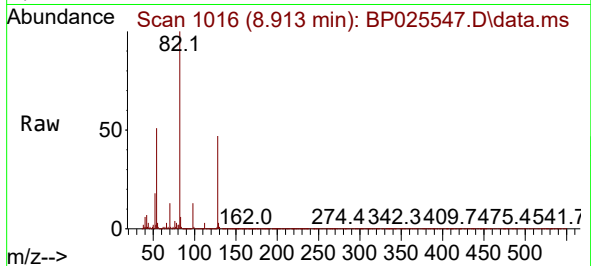
Tgt Ion:136 Resp: 856804
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.0 6.0 9.0
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 8.676 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

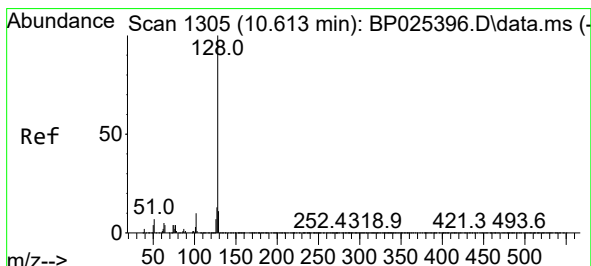
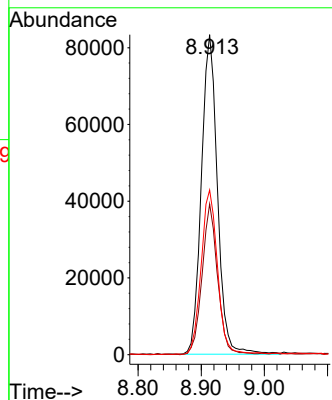
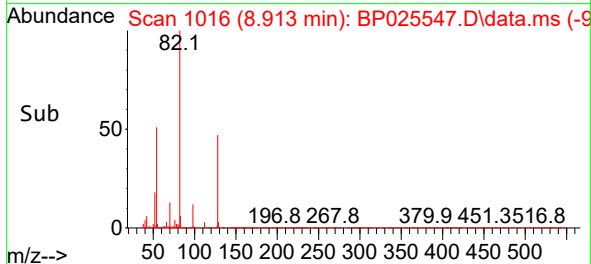
Instrument :
BNA_P
ClientSampleId :
TG-S01



Tgt Ion: 82 Resp: 146959
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 51.5 39.8 59.6

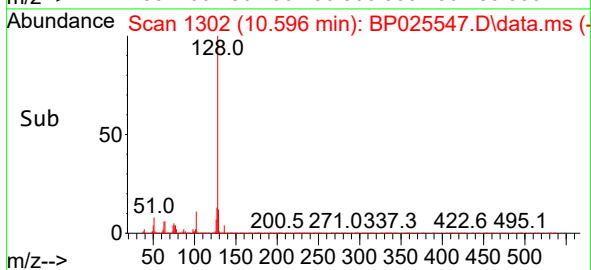
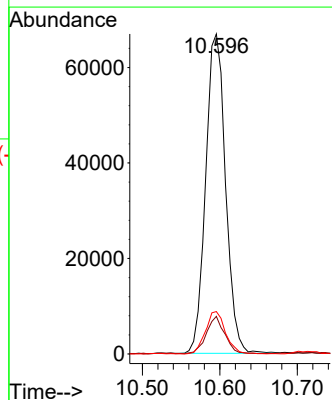
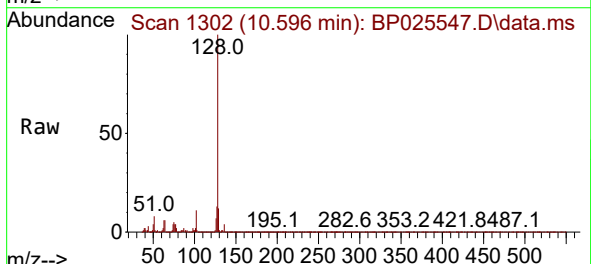
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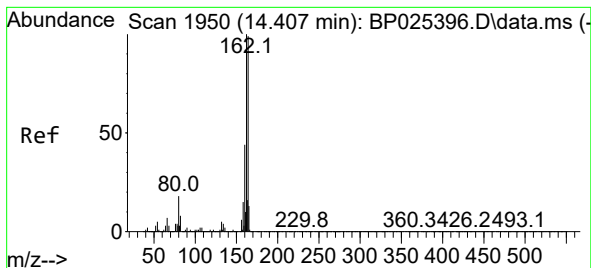
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#31
Naphthalene
Concen: 2.679 ng
RT: 10.596 min Scan# 1302
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:128 Resp: 119323
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.2 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.384 min Scan# 1946

Delta R.T. -0.024 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

Tgt Ion:164 Resp: 567110

Ion Ratio Lower Upper

164 100

162 99.6 81.0 121.6

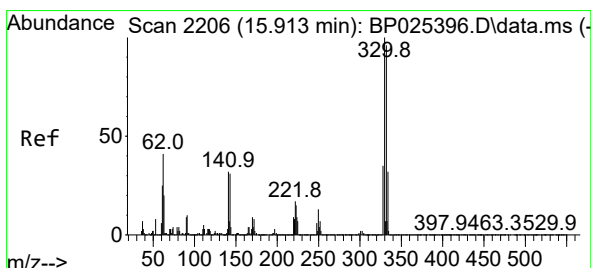
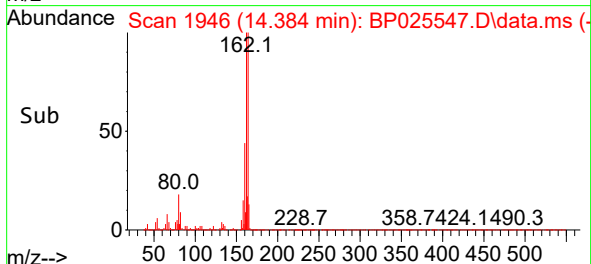
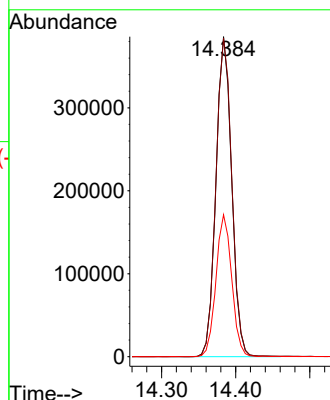
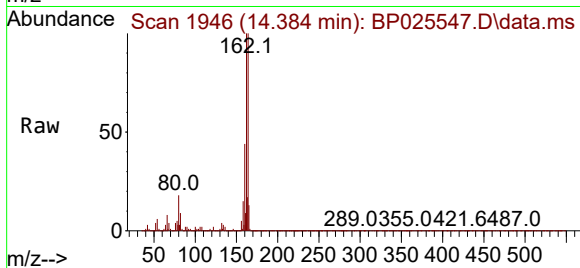
160 44.4 35.4 53.2

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Supervised By :Jagrut Upadhyay 08/25/2025



#42

2,4,6-Tribromophenol

Concen: 14.393 ng

RT: 15.901 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

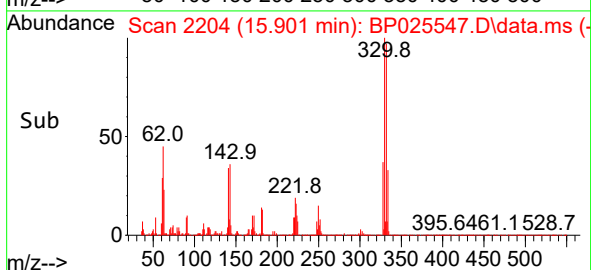
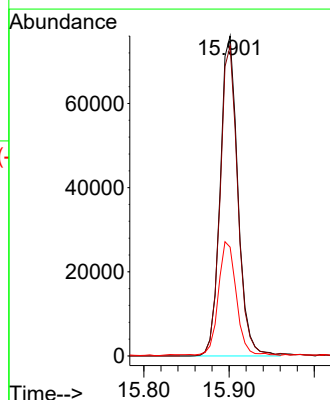
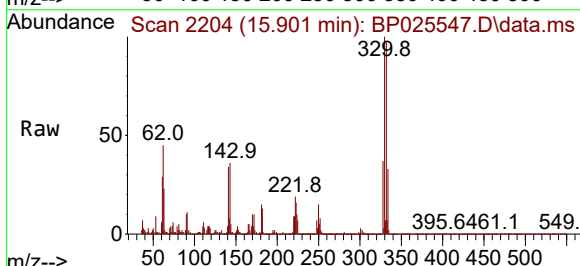
Tgt Ion:330 Resp: 109864

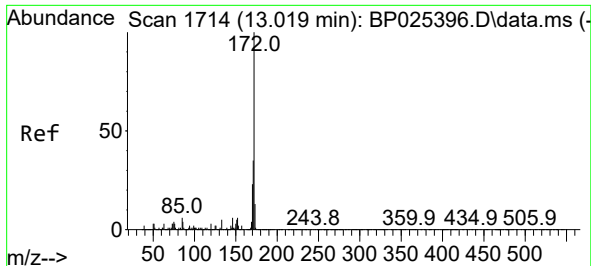
Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

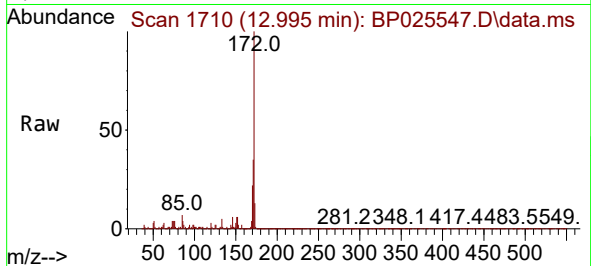
141 36.9 26.6 39.8





#45
2-Fluorobiphenyl
Concen: 9.401 ng
RT: 12.995 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

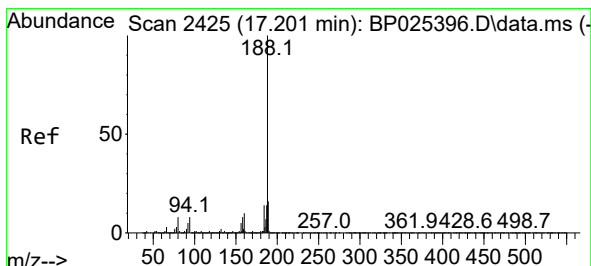
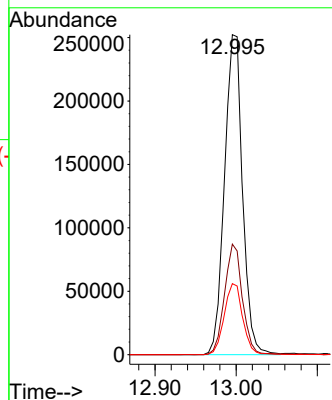
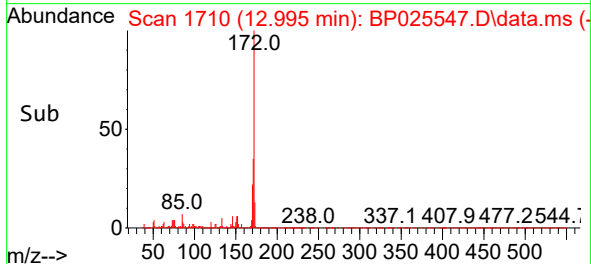
Instrument :
BNA_P
ClientSampleId :
TG-S01



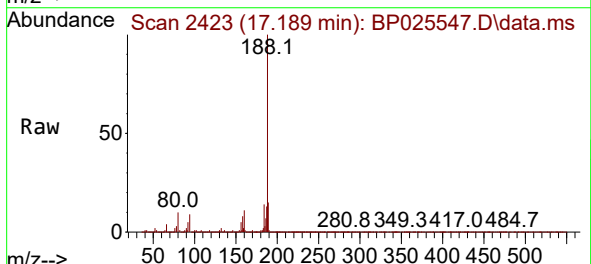
Tgt Ion:172 Resp: 390090
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.2 18.6 28.0

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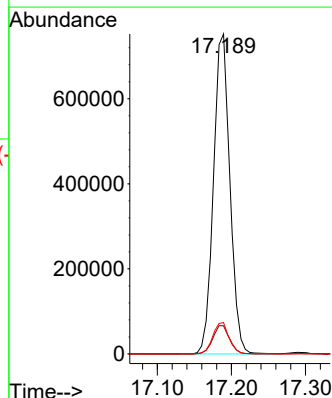
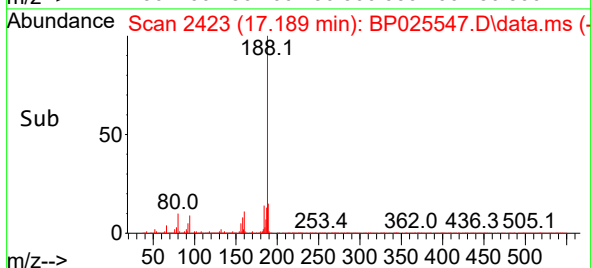
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Supervised By :Jagrut Upadhyay 08/25/2025

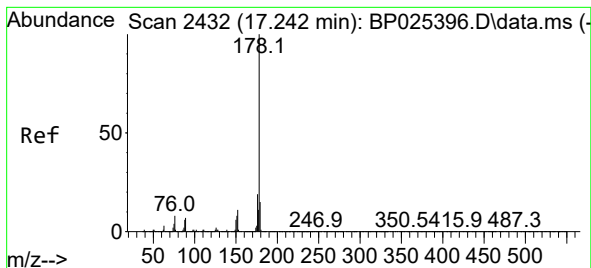


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32



Tgt Ion:188 Resp: 1156512
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.8 6.7 10.1





#71

Phenanthrene

Concen: 11.906 ng

RT: 17.236 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

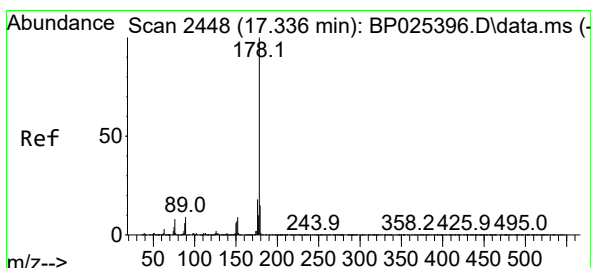
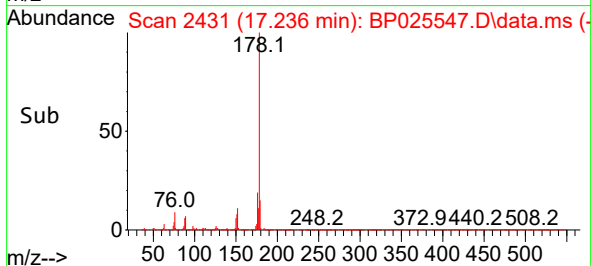
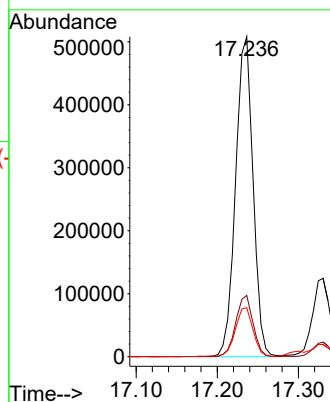
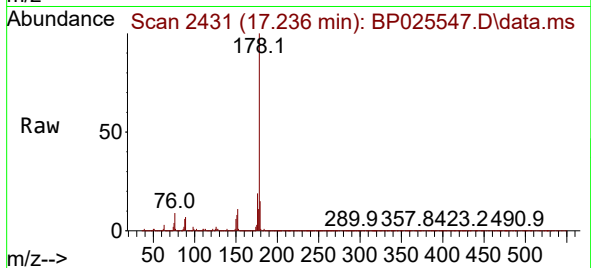
Tgt Ion:178	Resp: 756424
Ion Ratio	Lower Upper
178 100	
176 19.2	15.5 23.3
179 15.3	12.2 18.4

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#72

Anthracene

Concen: 2.830 ng

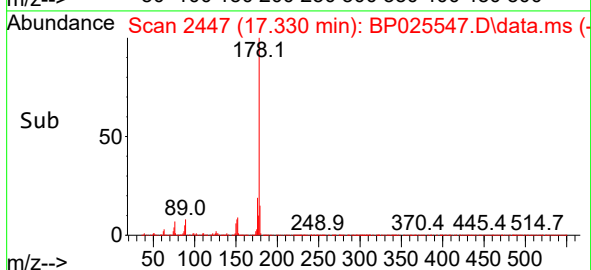
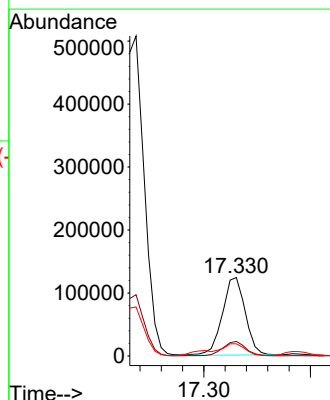
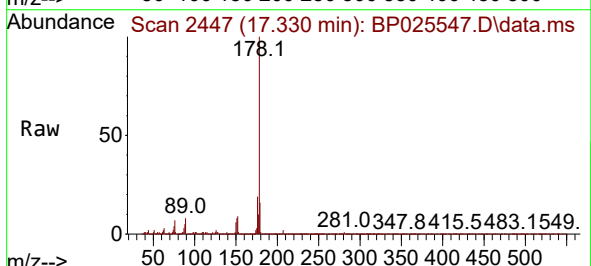
RT: 17.330 min Scan# 2447

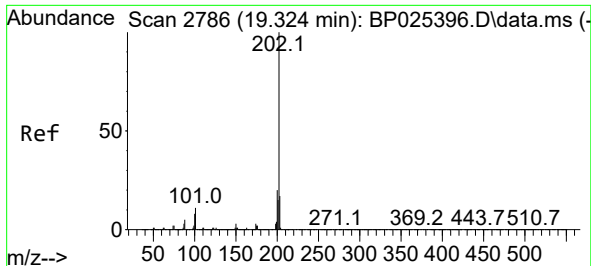
Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

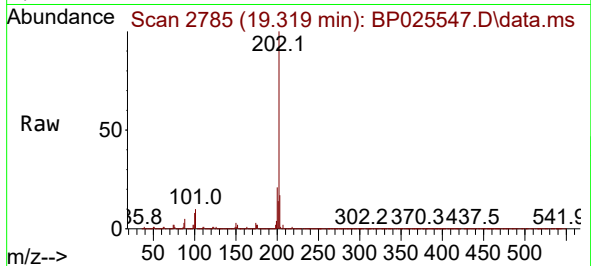
Tgt Ion:178	Resp: 183602
Ion Ratio	Lower Upper
178 100	
176 18.6	14.7 22.1
179 15.6	12.2 18.2





#75
Fluoranthene
Concen: 13.449 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

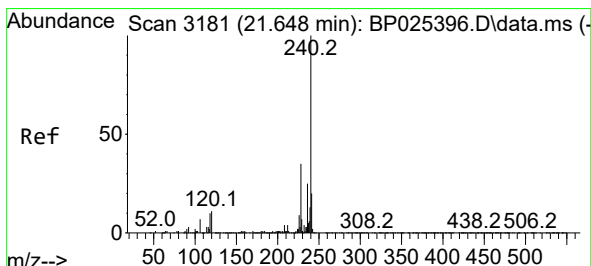
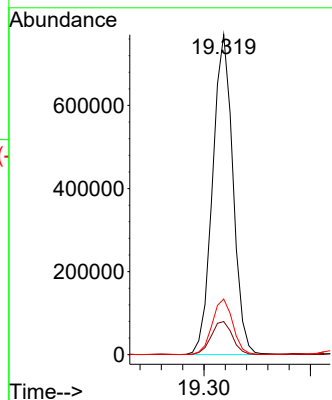
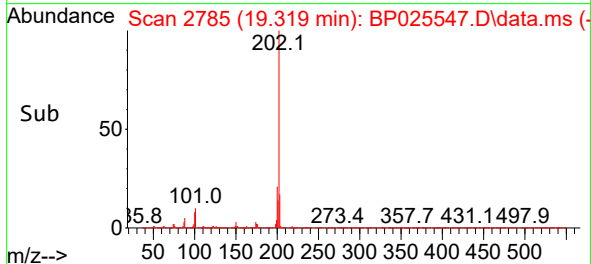
Instrument :
BNA_P
ClientSampleId :
TG-S01



Tgt Ion:202 Resp: 101921
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.4 0.0 37.3

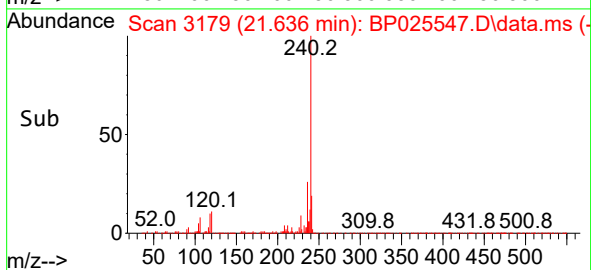
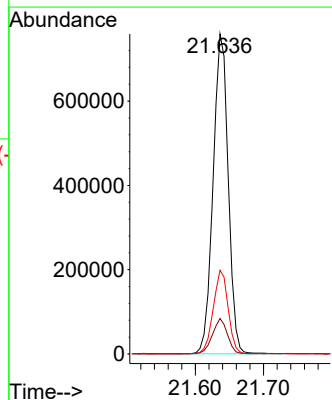
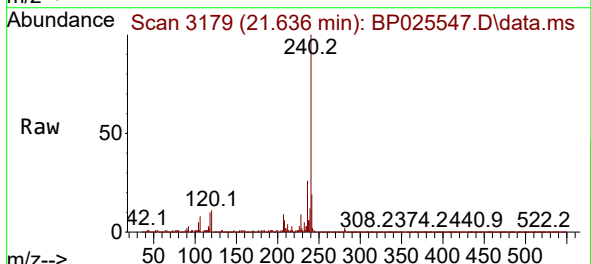
Manual Integrations
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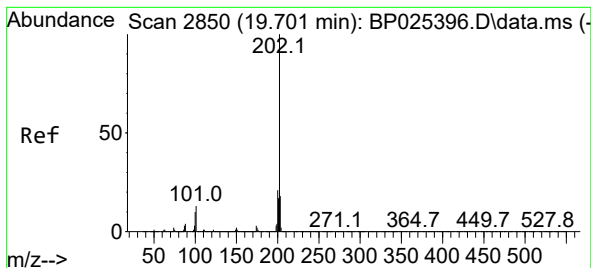
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:240 Resp: 1172172
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 26.2 19.8 29.8





#78

Pyrene

Concen: 11.416 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

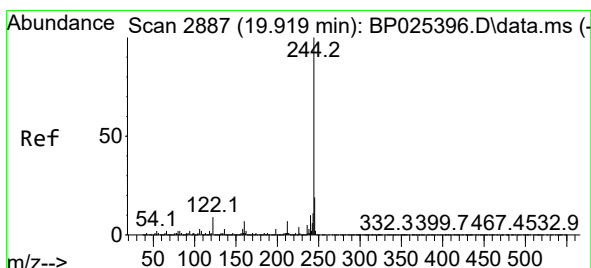
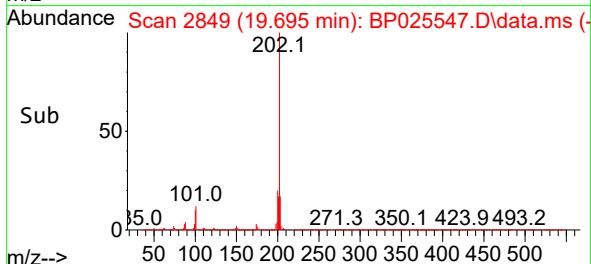
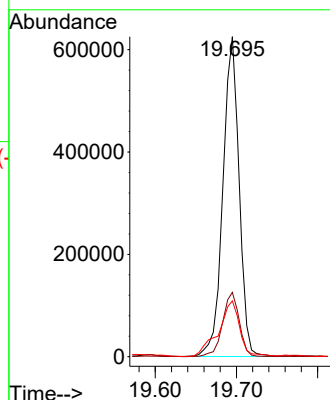
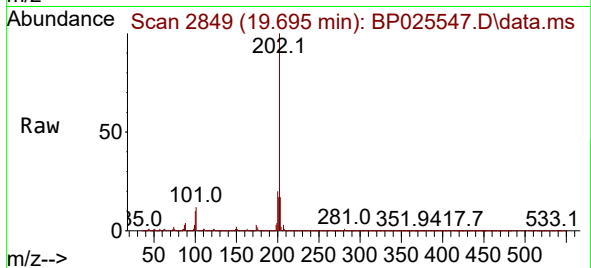
Tgt Ion:202 Resp: 869774
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.9 25.3
 203 17.5 14.2 21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/25/2025



#79

Terphenyl-d14

Concen: 10.039 ng

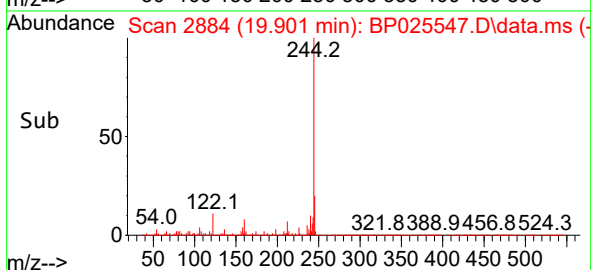
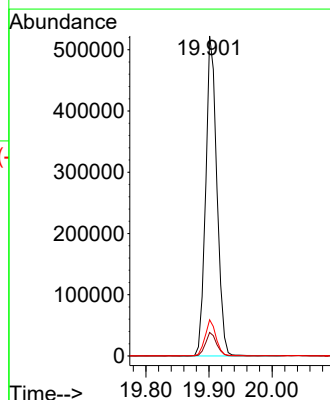
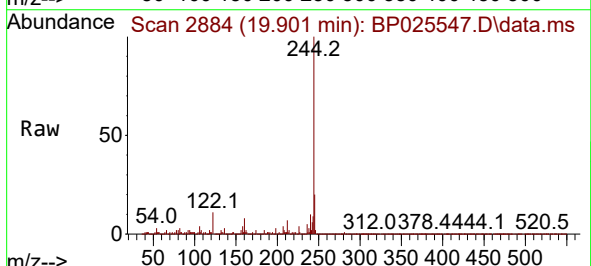
RT: 19.901 min Scan# 2884

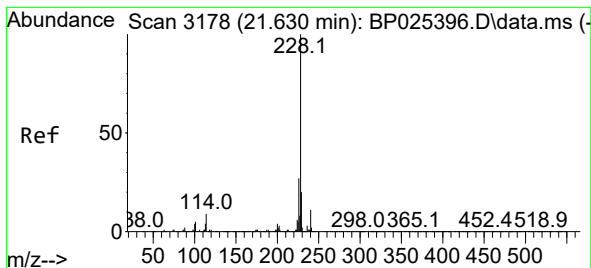
Delta R.T. -0.018 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Tgt Ion:244 Resp: 643164
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 11.3 7.4 11.2#





#81

Benzo(a)anthracene

Concen: 6.412 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

Tgt Ion:228 Resp: 49566

Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

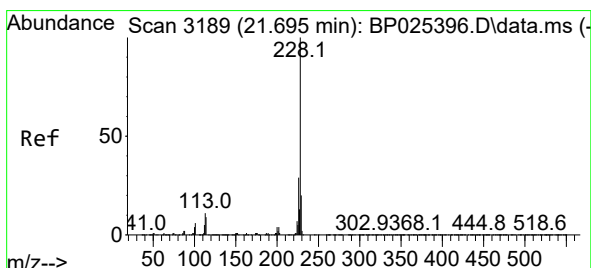
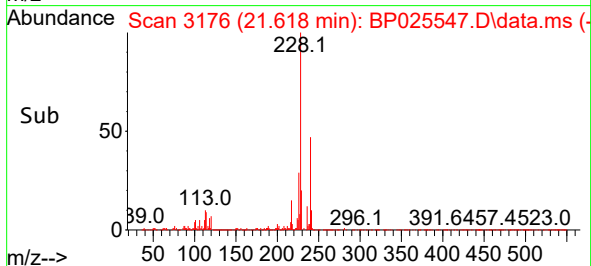
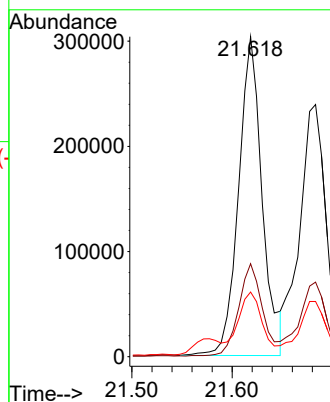
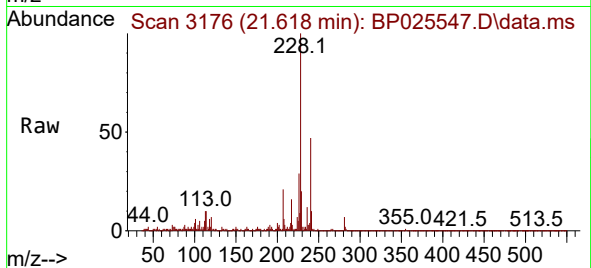
229 20.2 15.6 23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/25/2025



#83

Chrysene

Concen: 5.944 ng

RT: 21.683 min Scan# 3187

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

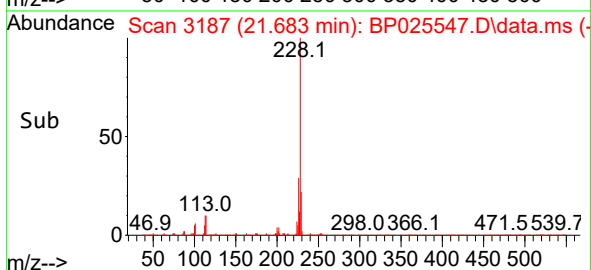
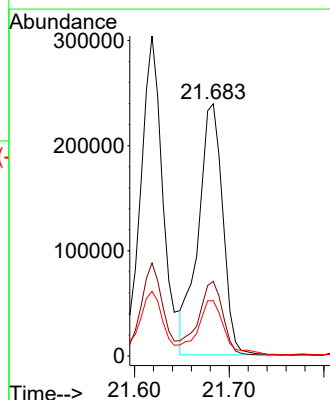
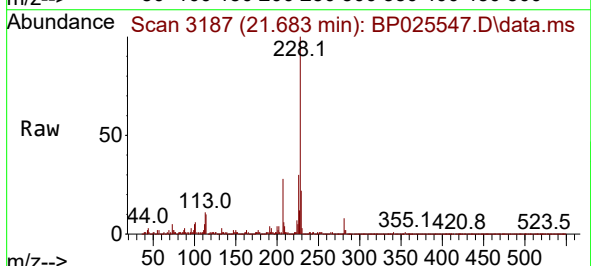
Tgt Ion:228 Resp: 430321

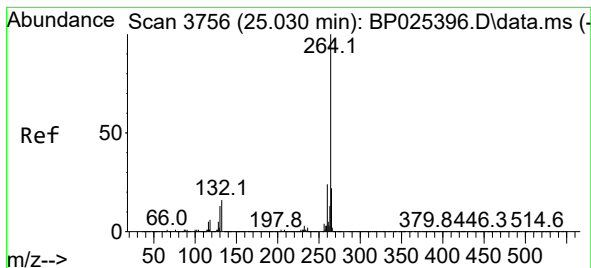
Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 21.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

Tgt Ion:264 Resp: 1294508

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

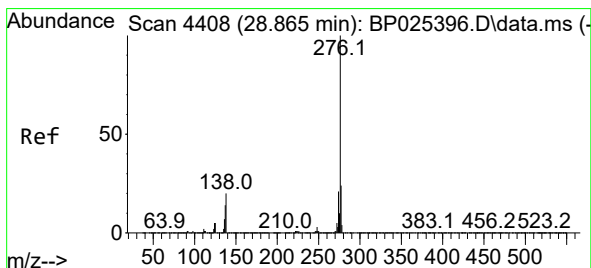
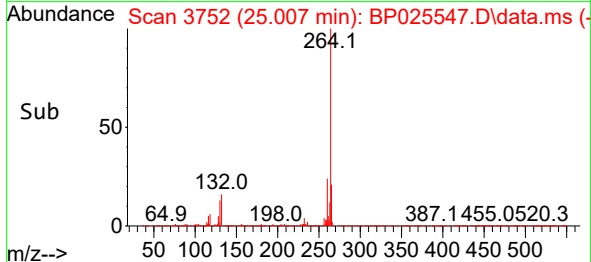
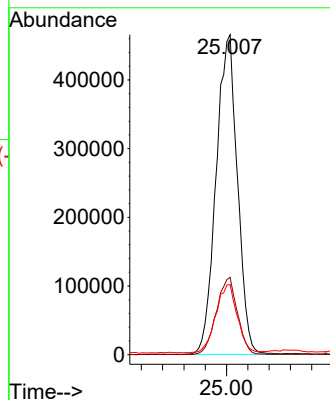
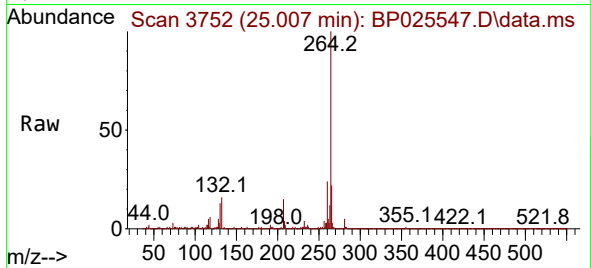
265 21.9 17.4 26.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/25/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.843 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.059 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

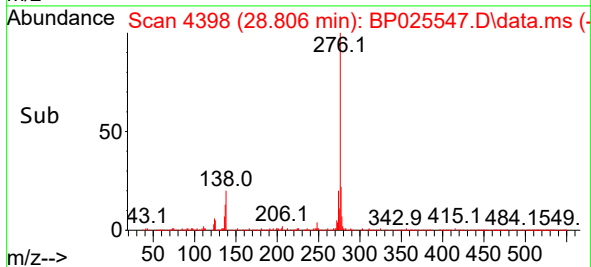
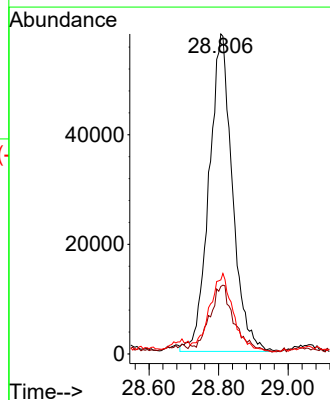
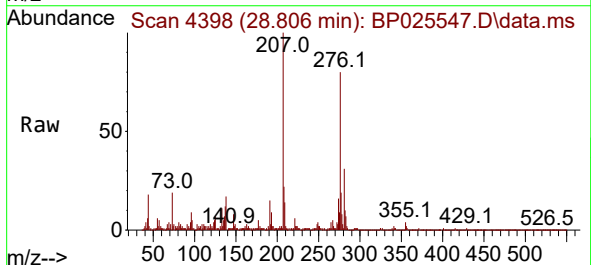
Tgt Ion:276 Resp: 269905

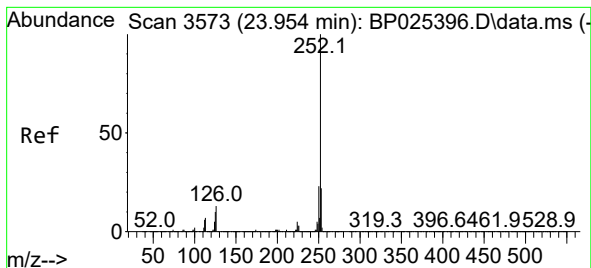
Ion Ratio Lower Upper

276 100

138 22.6 12.9 19.3#

277 25.1 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 7.407 ng

RT: 23.918 min Scan# 3567

Delta R.T. -0.035 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

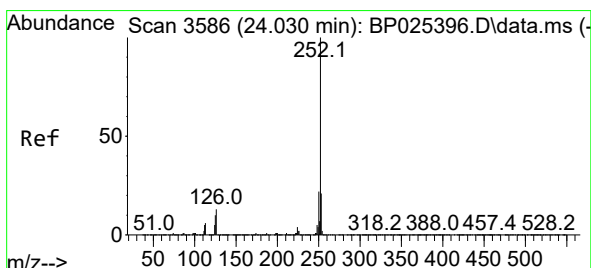
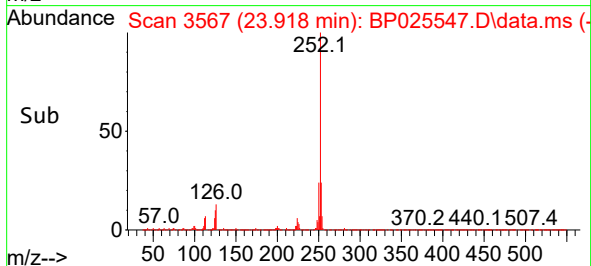
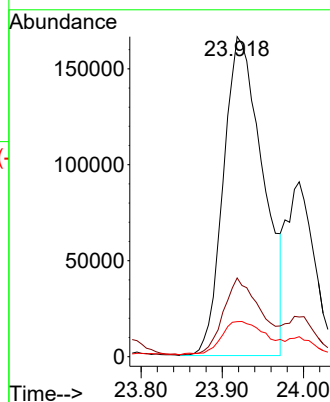
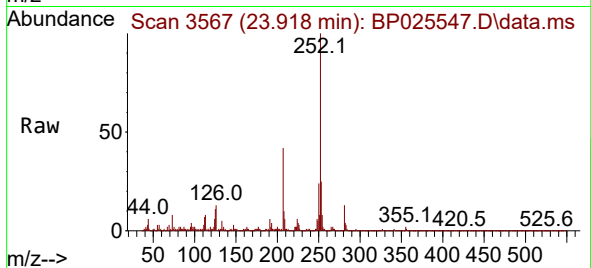
Tgt Ion:252 Resp: 565398
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 11.0 7.9 11.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/25/2025



#89

Benzo(k)fluoranthene

Concen: 3.129 ng m

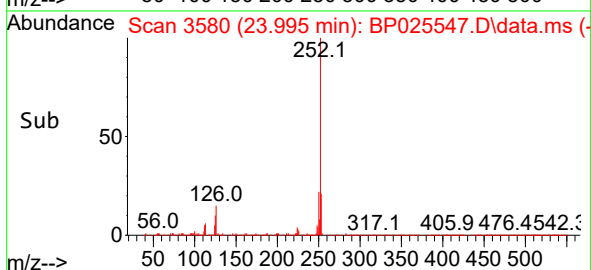
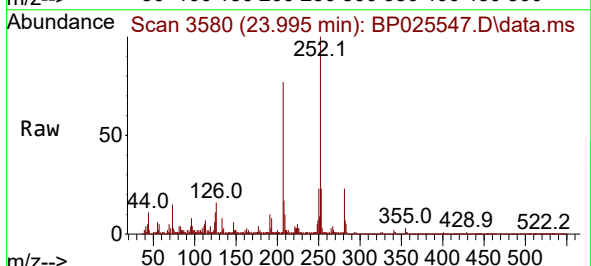
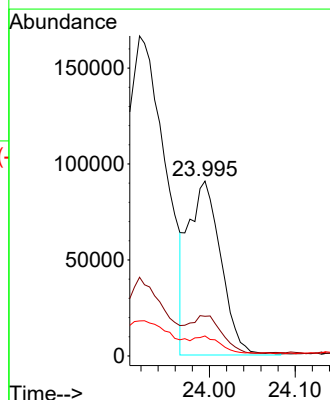
RT: 23.995 min Scan# 3580

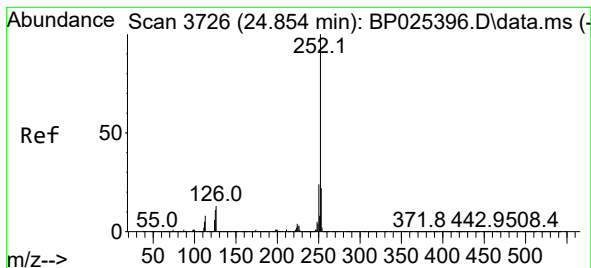
Delta R.T. -0.035 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Tgt Ion:252 Resp: 239038
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.1 25.7
 125 11.4 7.8 11.6





#90

Benzo(a)pyrene

Concen: 5.377 ng

RT: 24.824 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

Tgt Ion: 252 Resp: 399560

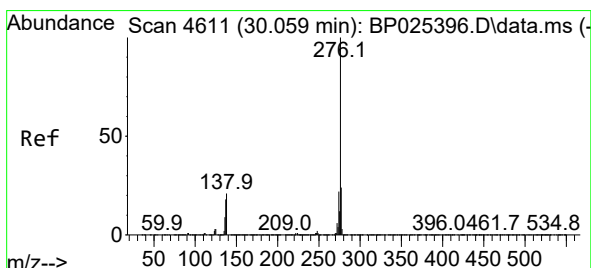
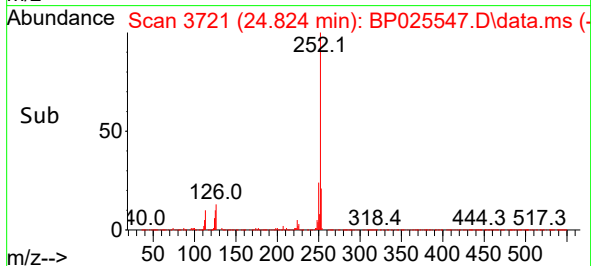
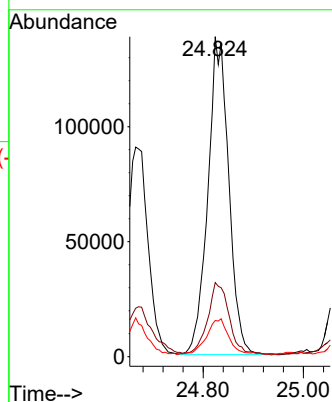
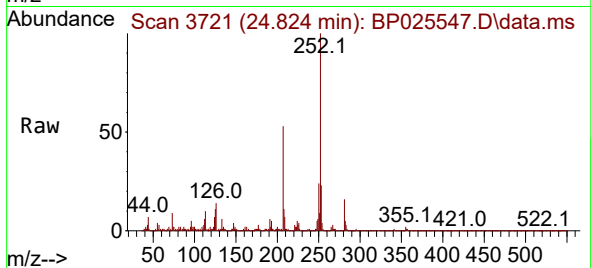
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.3	8.7	13.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/25/2025

Supervised By :Jagrut Upadhyay 08/25/2025



#92

Benzo(g,h,i)perylene

Concen: 3.165 ng

RT: 29.971 min Scan# 4596

Delta R.T. -0.088 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Tgt Ion: 276 Resp: 241393

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.4	29.0
138	21.1	16.7	25.1

