

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025222.D
 Acq On : 23 Jul 2025 13:28
 Operator : CG/JU
 Sample : Q2639-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-38-071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Quant Time: Jul 23 15:02:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	508416	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2118134	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	1475610	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	3006834	20.000	ng	0.00
76) Chrysene-d12	21.342	240	3038957	20.000	ng	0.02
86) Perylene-d12	24.477	264	3598510	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	1851354	61.527	ng	0.00
7) Phenol-d6	6.637	99	2411148	64.698	ng	0.00
23) Nitrobenzene-d5	8.560	82	1444714	37.905	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1372619	63.098	ng	0.00
45) 2-Fluorobiphenyl	12.672	172	3875609	37.028	ng	-0.01
79) Terphenyl-d14	19.660	244	5925338	38.489	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.042	202	940106	4.926	ng	99
78) Pyrene	19.425	202	1133511	6.049	ng	99
81) Benzo(a)anthracene	21.324	228	840170m	4.378	ng	
83) Chrysene	21.377	228	913415	5.099	ng	96
87) Indeno(1,2,3-cd)pyrene	27.989	276	731185	2.780	ng	# 97
88) Benzo(b)fluoranthene	23.483	252	1193321	5.793	ng	# 96
90) Benzo(a)pyrene	24.313	252	994520	4.949	ng	98
92) Benzo(g,h,i)perylene	29.083	276	731804	3.471	ng	96

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

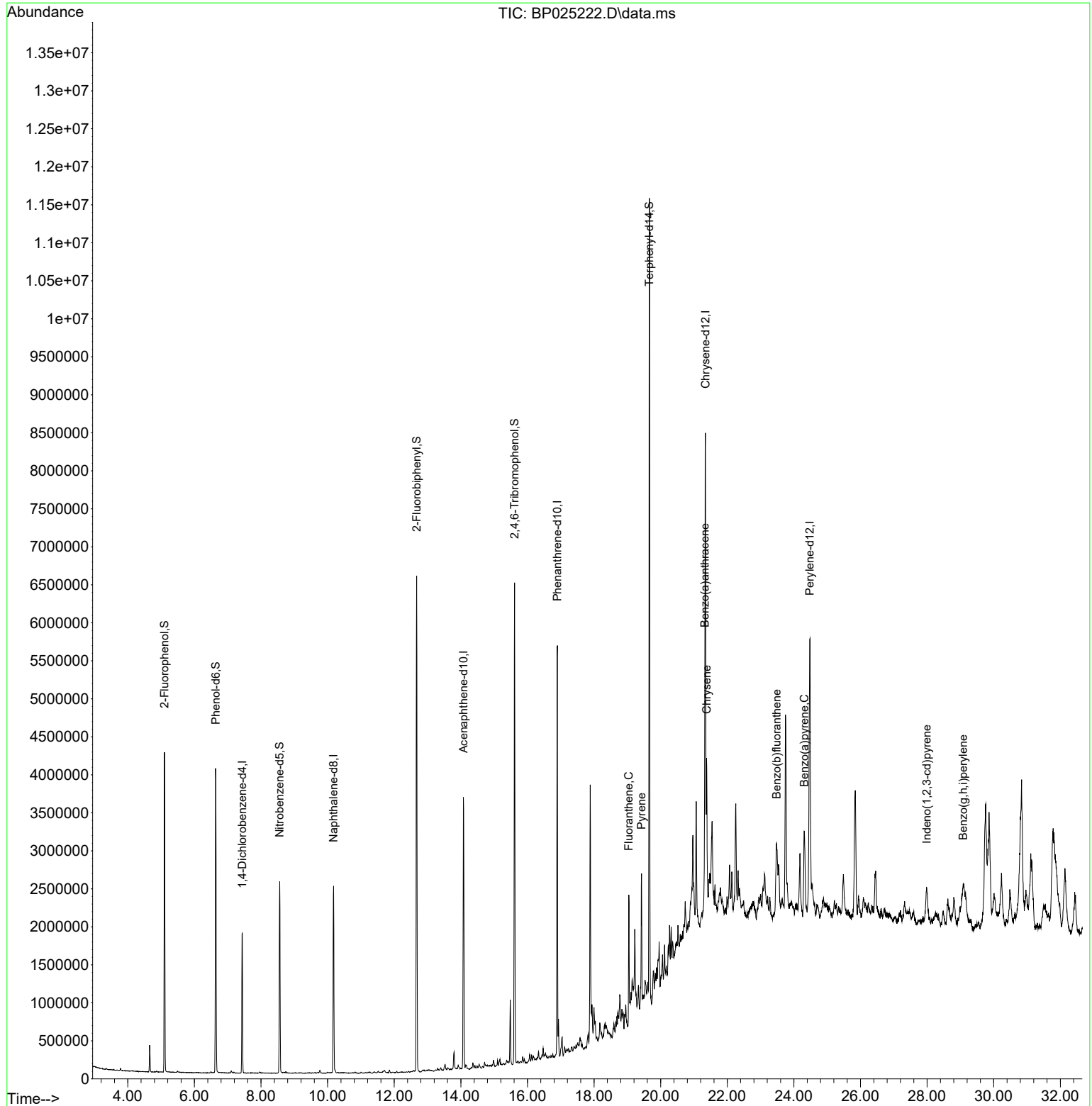
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
Data File : BP025222.D
Acq On : 23 Jul 2025 13:28
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ALS Vial : 5 Sample Multiplier: 1

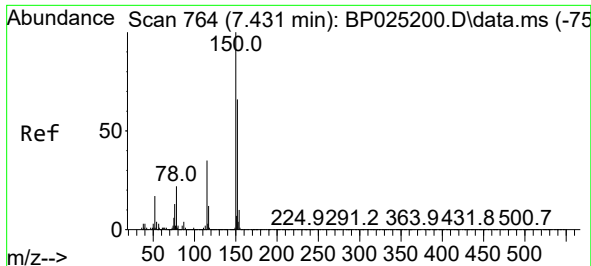
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
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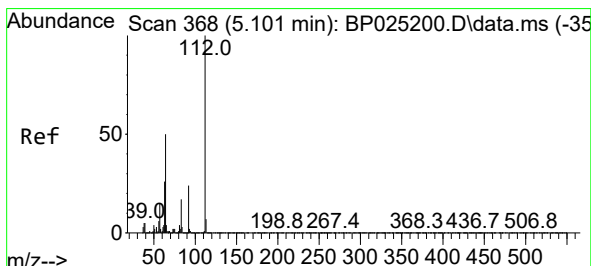
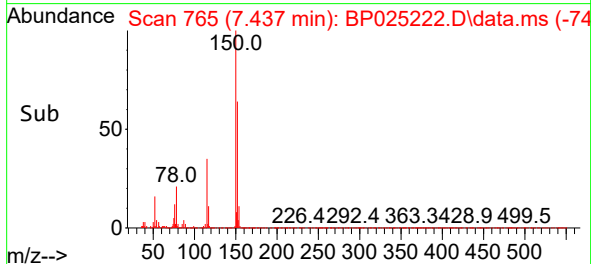
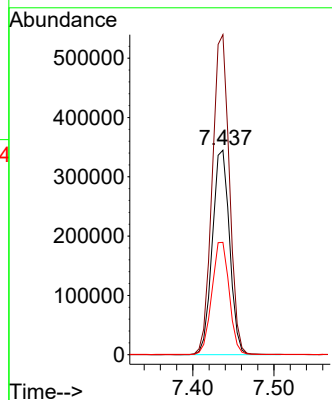
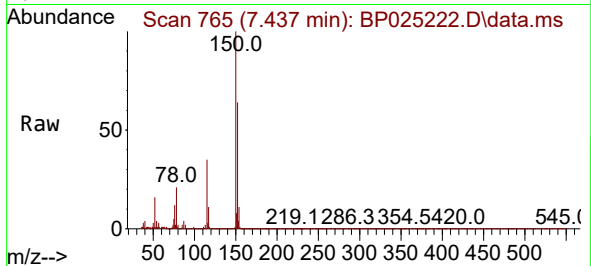
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725

Tgt Ion:152 Resp: 508410
Ion Ratio Lower Upper
152 100
150 156.5 121.9 182.9
115 55.0 43.0 64.6

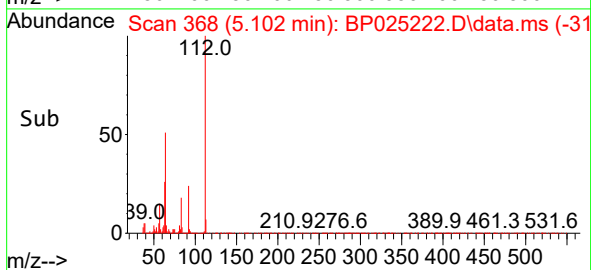
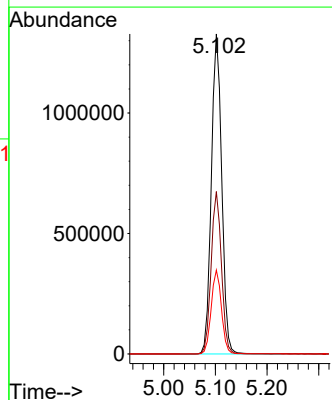
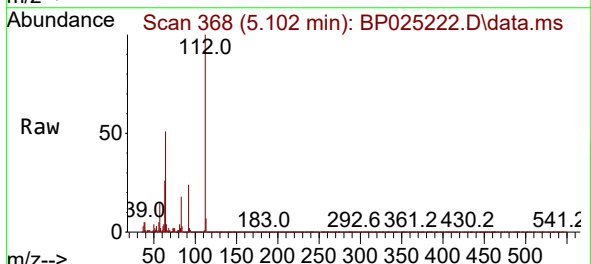
Manual Integrations
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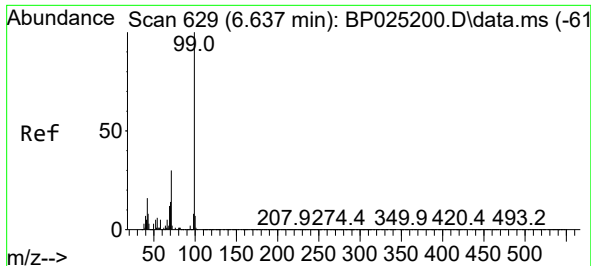
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#5
2-Fluorophenol
Concen: 61.527 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

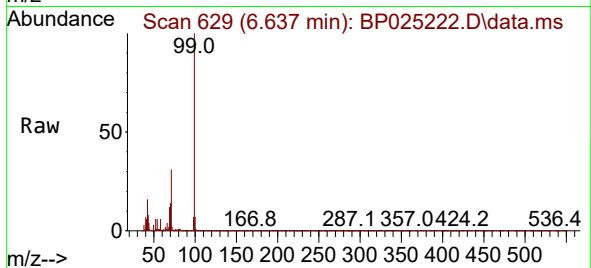
Tgt Ion:112 Resp: 1851354
Ion Ratio Lower Upper
112 100
64 50.8 39.8 59.6
63 26.2 20.5 30.7





#7
Phenol-d6
Concen: 64.698 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

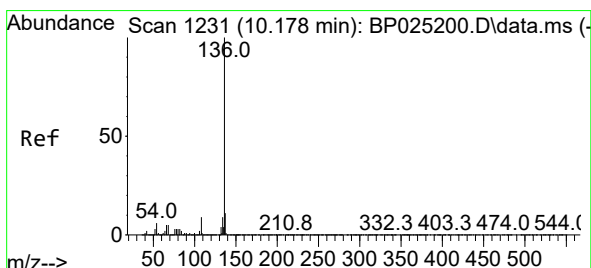
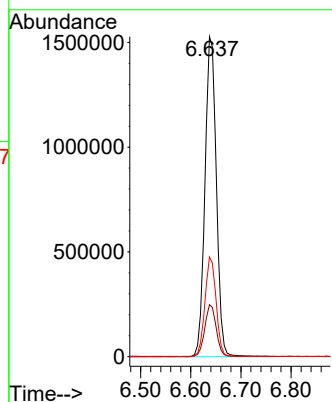
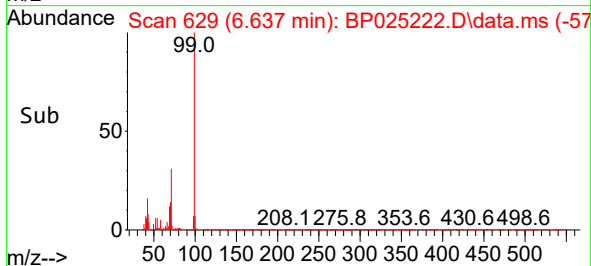
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725



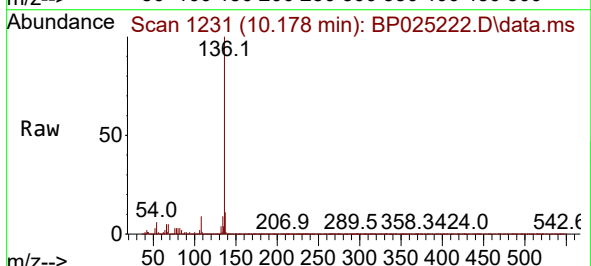
Tgt Ion: 99 Resp: 241114
Ion Ratio Lower Upper
99 100
42 16.2 12.5 18.7
71 31.2 24.2 36.2

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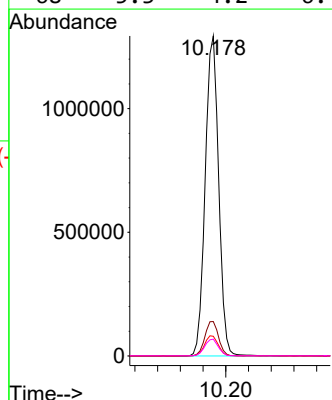
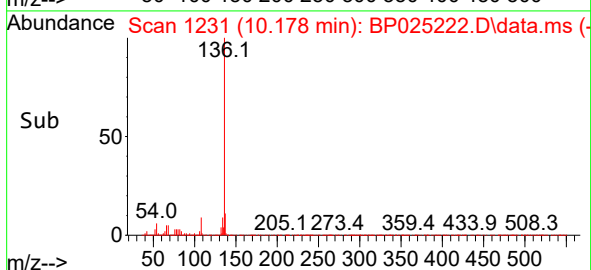
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28



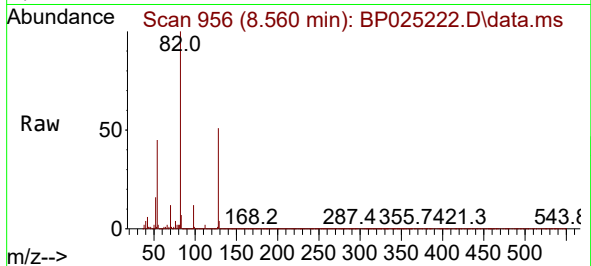
Tgt Ion:136 Resp: 2118134
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.2 5.1 7.7
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 37.905 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.005 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

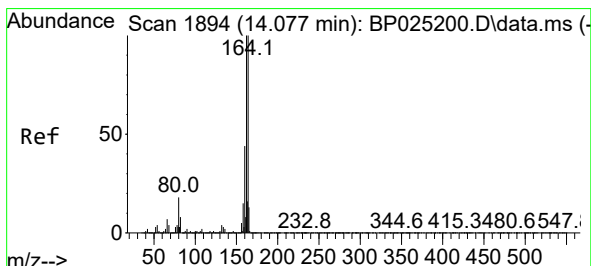
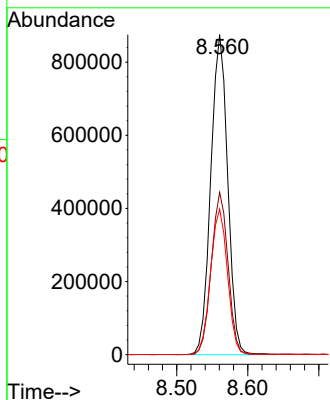
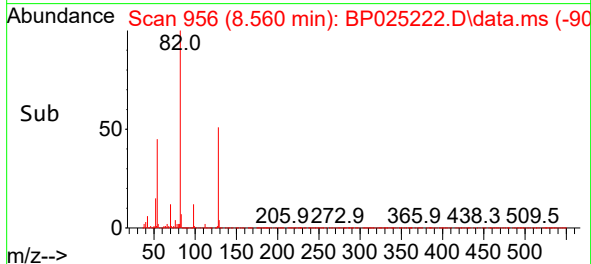
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725



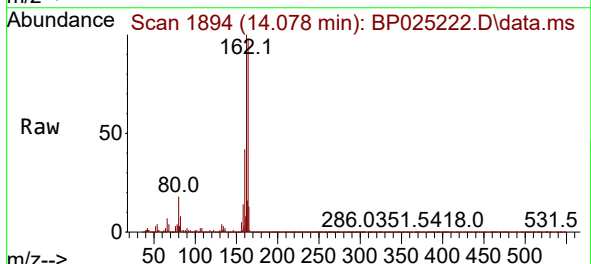
Tgt Ion: 82 Resp: 1444714
Ion Ratio Lower Upper
82 100
128 50.7 40.2 60.4
54 45.4 36.3 54.5

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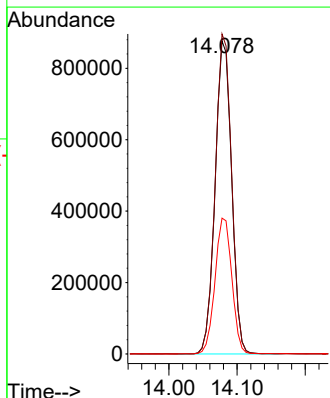
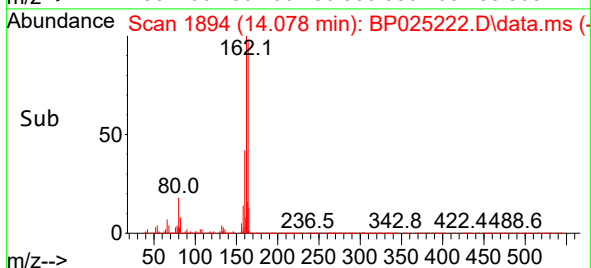
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

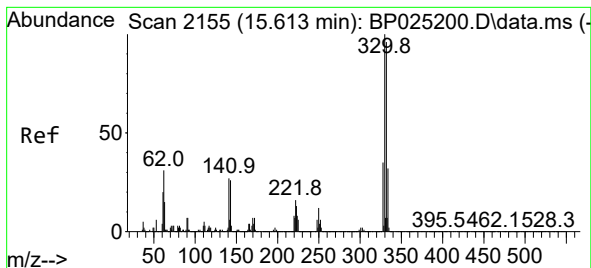


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28



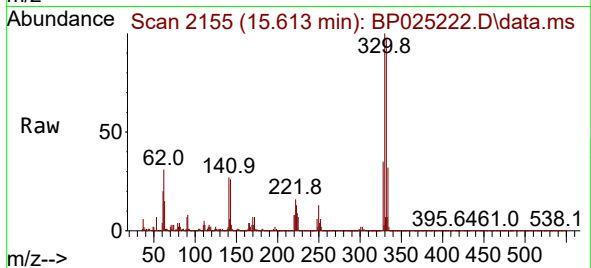
Tgt Ion:164 Resp: 1475610
Ion Ratio Lower Upper
164 100
162 102.2 80.3 120.5
160 43.4 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 63.098 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

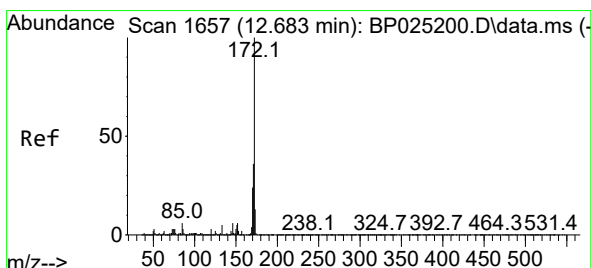
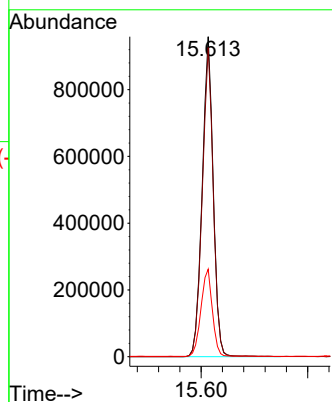
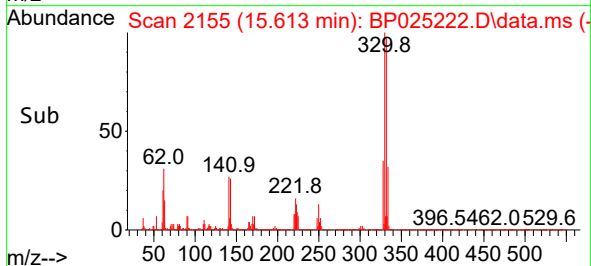
Instrument :
BNA_P
ClientSampleId :
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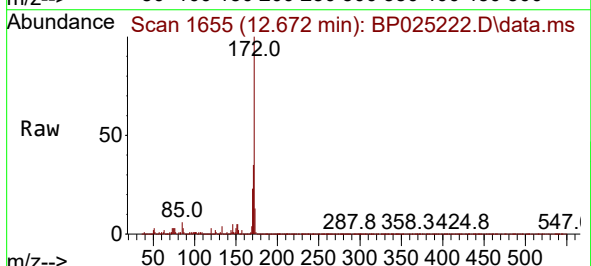
Tgt Ion: 330 Resp: 1372619
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 28.1 22.4 33.6

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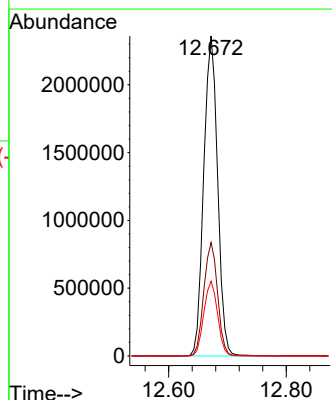
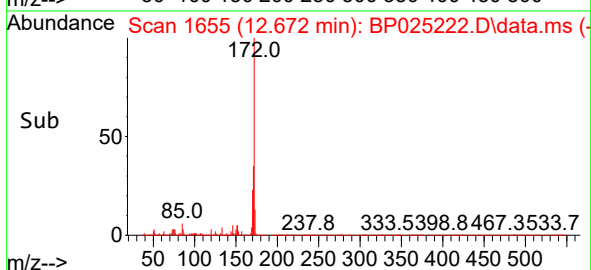
Reviewed By :Rahul Chavli 07/24/2025
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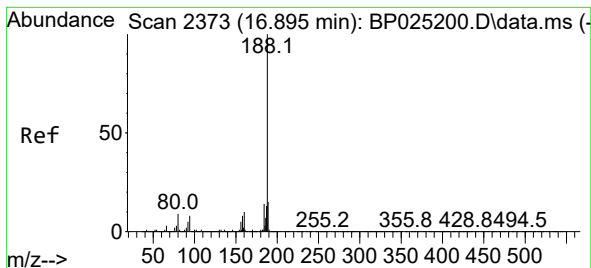


#45
2-Fluorobiphenyl
Concen: 37.028 ng
RT: 12.672 min Scan# 1655
Delta R.T. -0.011 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28



Tgt Ion: 172 Resp: 3875609
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.3 19.2 28.8





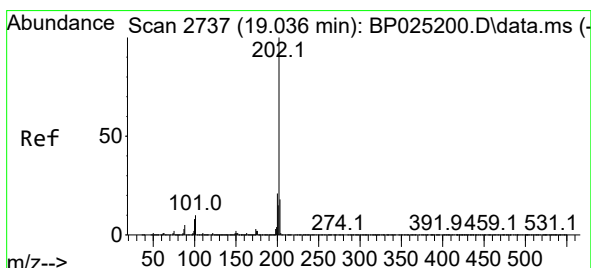
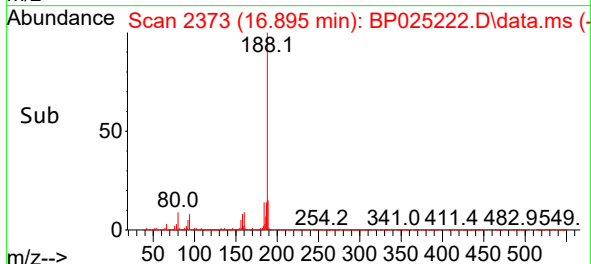
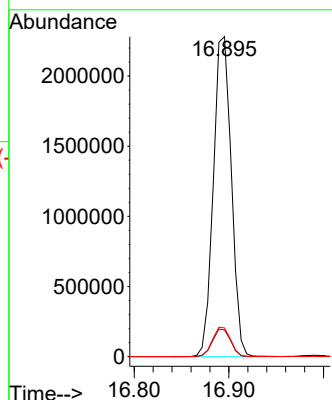
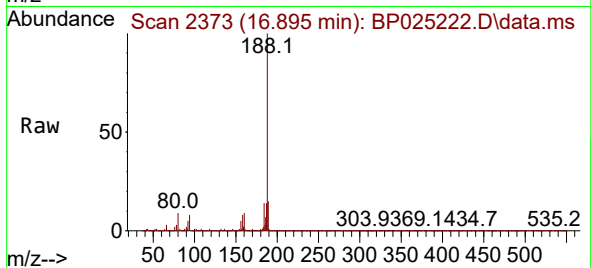
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725

Tgt Ion:188 Resp: 3006834
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.0 7.3 10.9

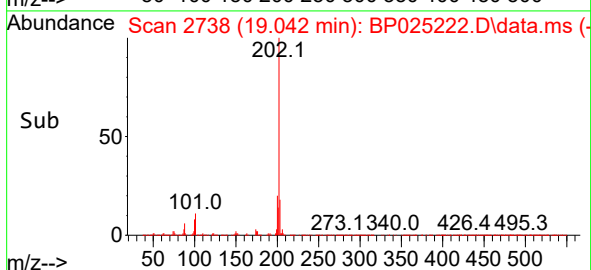
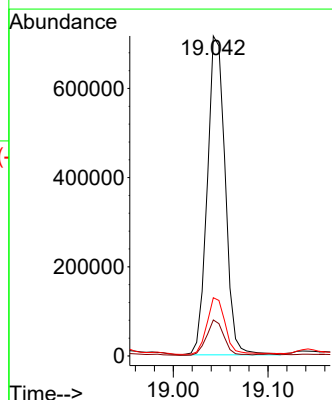
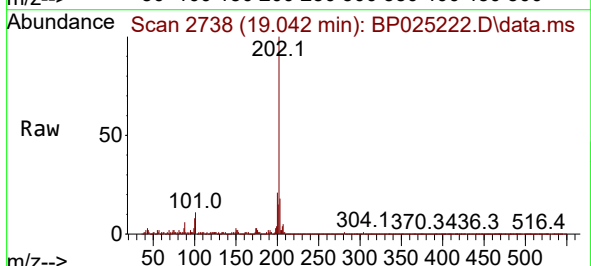
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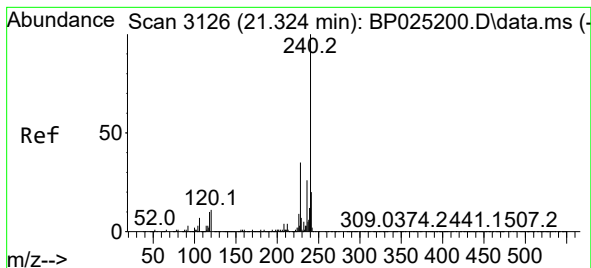
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#75
Fluoranthene
Concen: 4.926 ng
RT: 19.042 min Scan# 2738
Delta R.T. 0.006 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Tgt Ion:202 Resp: 940106
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.3
203 18.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.342 min Scan# 3126

Delta R.T. 0.018 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

Tgt Ion:240 Resp: 303895

Ion Ratio Lower Upper

240 100

120 10.8 8.8 13.2

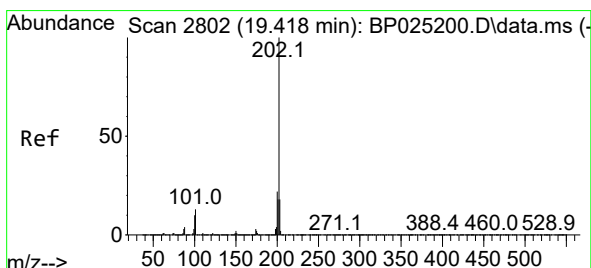
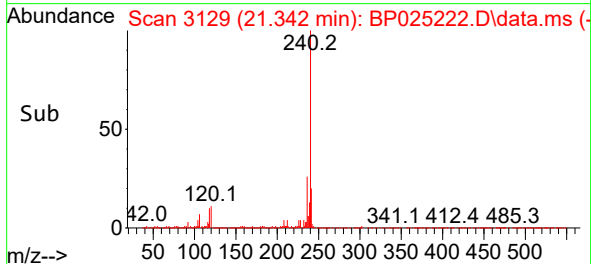
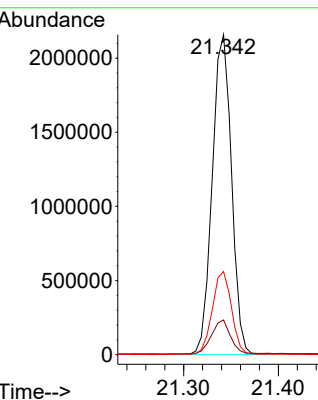
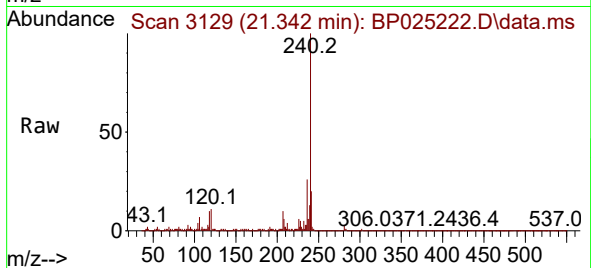
236 26.0 20.9 31.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/24/2025



#78

Pyrene

Concen: 6.049 ng

RT: 19.425 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

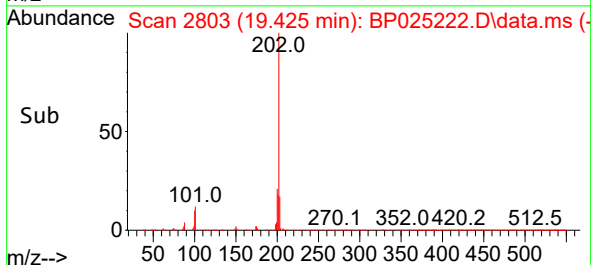
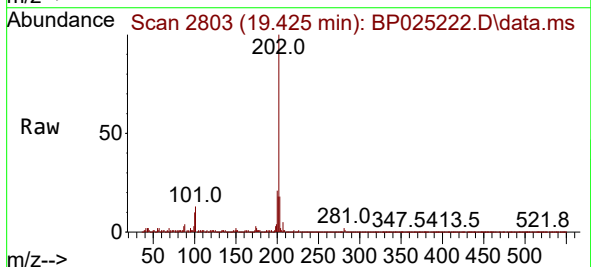
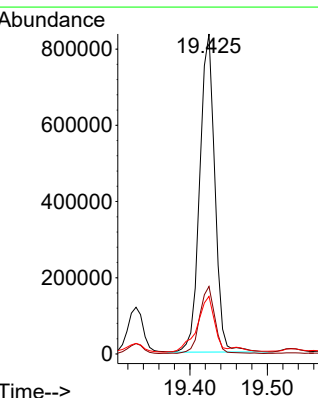
Tgt Ion:202 Resp: 1133511

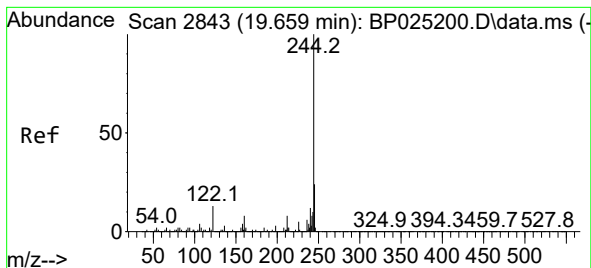
Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 38.489 ng

RT: 19.660 min Scan# 21

Delta R.T. 0.001 min

Lab File: BP025222.D

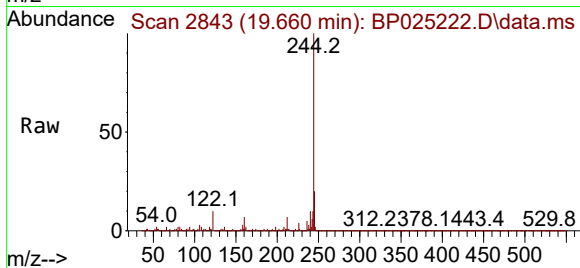
Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725



Tgt Ion:244 Resp: 5925338

Ion Ratio Lower Upper

244 100

212 6.7 6.6 9.8

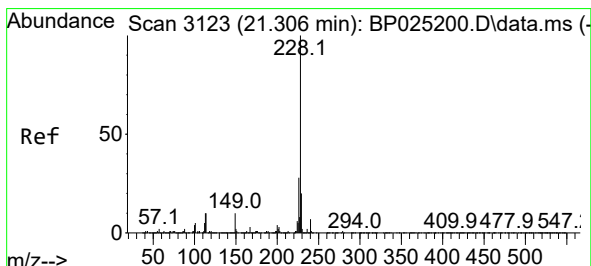
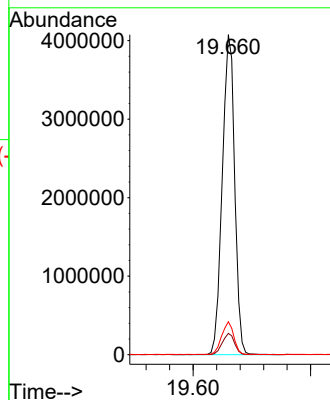
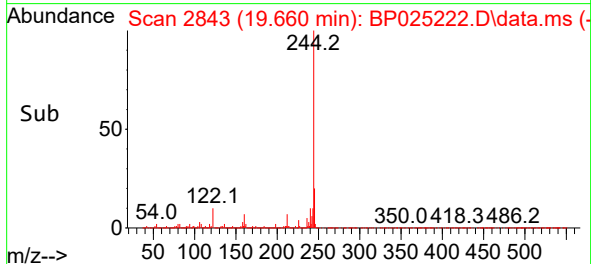
122 10.3 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#81

Benzo(a)anthracene

Concen: 4.378 ng m

RT: 21.324 min Scan# 3126

Delta R.T. 0.018 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

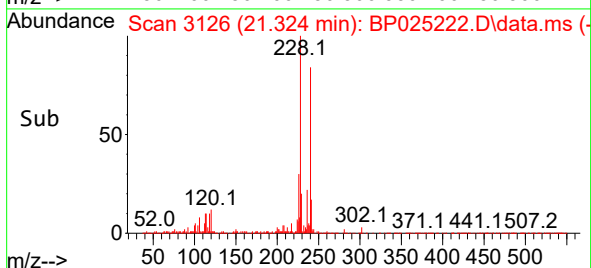
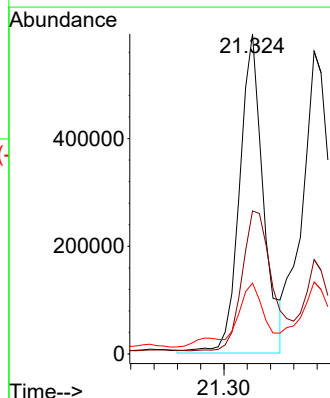
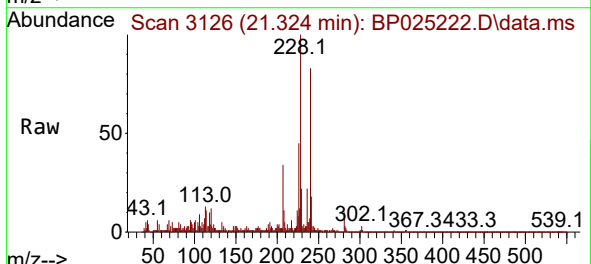
Tgt Ion:228 Resp: 840170

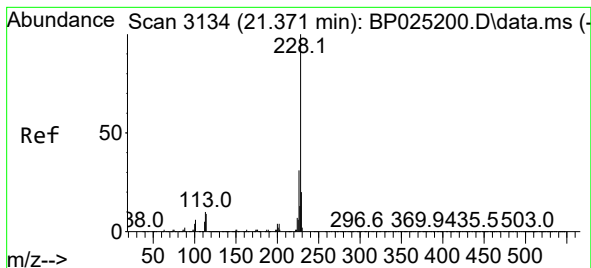
Ion Ratio Lower Upper

228 100

226 44.7 22.3 33.5#

229 22.1 16.2 24.2





#83

Chrysene

Concen: 5.099 ng

RT: 21.377 min Scan# 3134

Delta R.T. 0.006 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

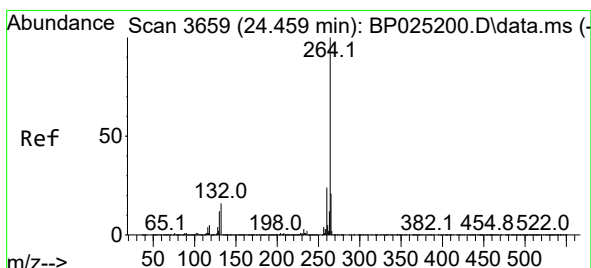
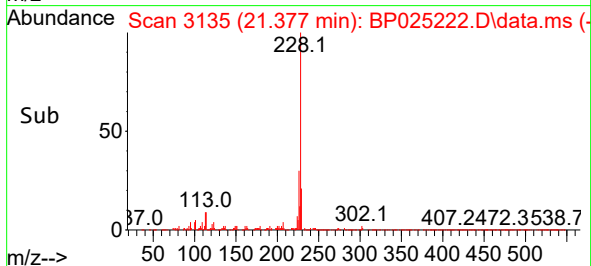
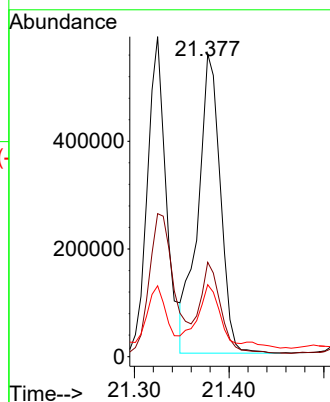
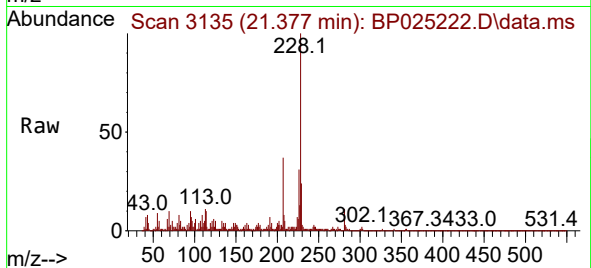
Tgt Ion:	228	Resp:	91341
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.6	37.0
229	23.8	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#86

Perylene-d12

Concen: 20.000 ng

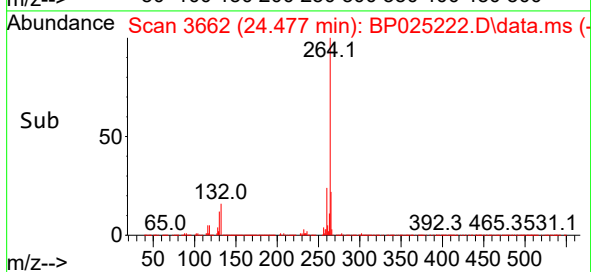
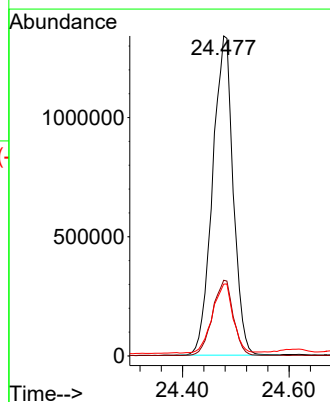
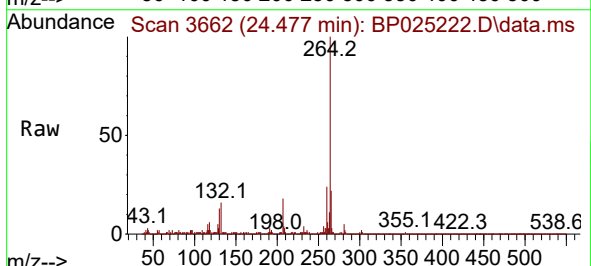
RT: 24.477 min Scan# 3662

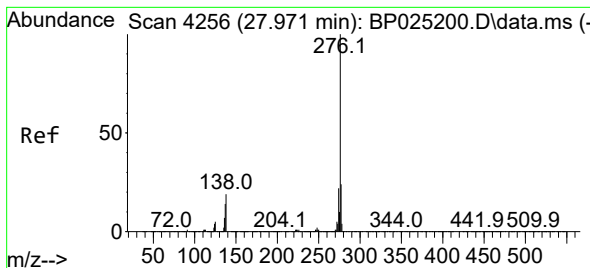
Delta R.T. 0.018 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Tgt Ion:	264	Resp:	3598510
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.6
265	22.4	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.780 ng

RT: 27.989 min Scan# 4259

Delta R.T. 0.018 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

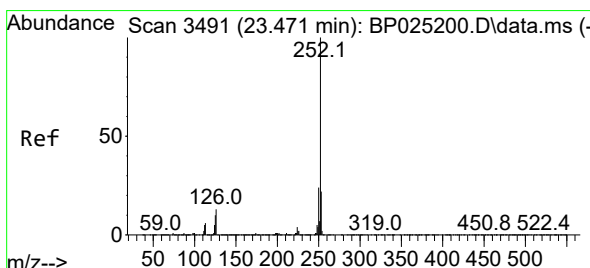
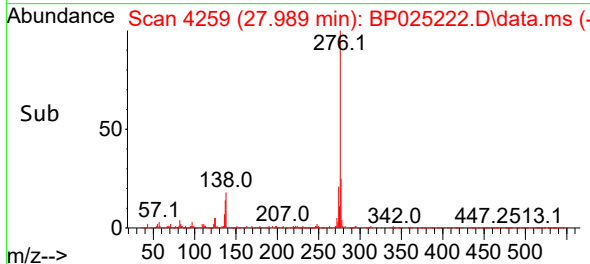
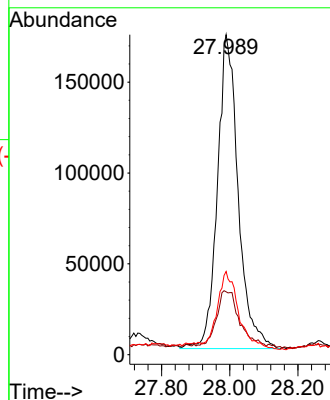
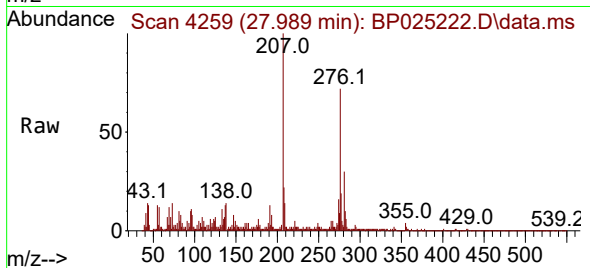
Tgt Ion: 276 Resp: 731185
 Ion Ratio Lower Upper
 276 100
 138 19.3 12.8 19.2
 277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#88

Benzo(b)fluoranthene

Concen: 5.793 ng

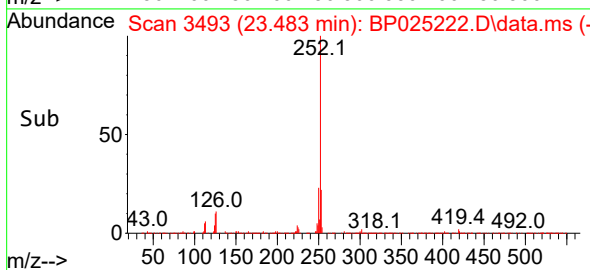
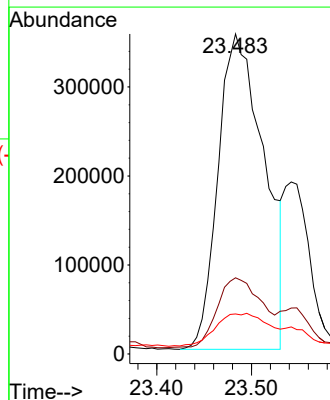
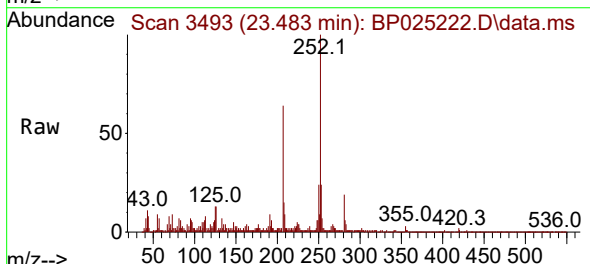
RT: 23.483 min Scan# 3493

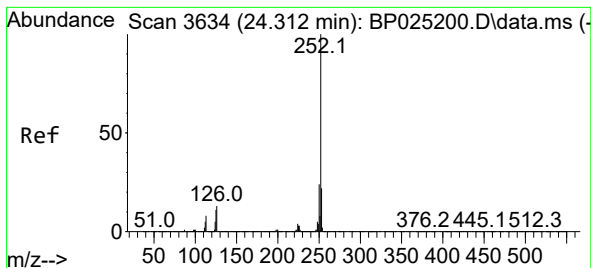
Delta R.T. 0.012 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Tgt Ion: 252 Resp: 1193321
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.0 27.0
 125 12.5 7.8 11.8





#90

Benzo(a)pyrene

Concen: 4.949 ng

RT: 24.313 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

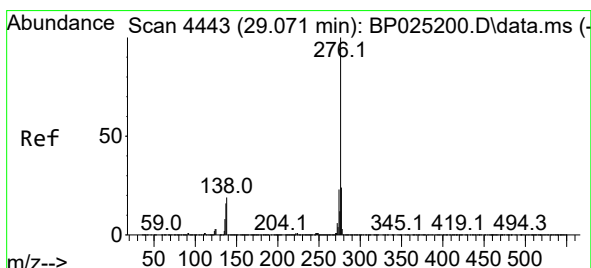
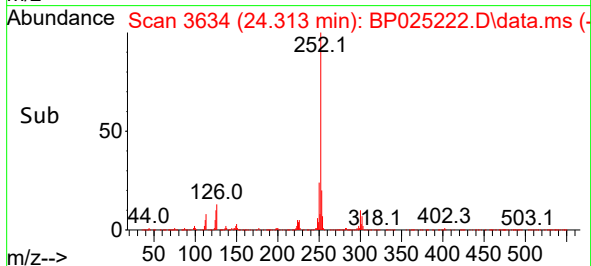
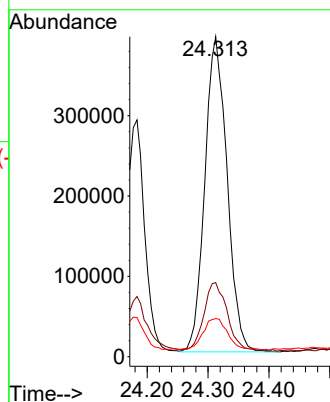
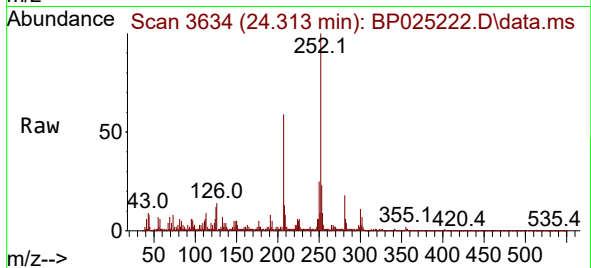
Tgt Ion:252 Resp: 994520
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.6
 125 11.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#92

Benzo(g,h,i)perylene

Concen: 3.471 ng

RT: 29.083 min Scan# 4445

Delta R.T. 0.012 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Tgt Ion:276 Resp: 731804
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.2 28.8
 138 22.5 15.4 23.2

