

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071825\
 Data File : BP025190.D
 Acq On : 18 Jul 2025 13:11
 Operator : CG/JU
 Sample : Q2614-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-MCN-COMP-01

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/21/2025
 Supervised By :Jagrut Upadhyay 07/21/2025

Quant Time: Jul 18 13:29:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	685592	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	2726747	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1710853	20.000	ng	0.01
64) Phenanthrene-d10	16.925	188	3264081	20.000	ng	0.02
76) Chrysene-d12	21.342	240	3297418	20.000	ng	0.00
86) Perylene-d12	24.495	264	3765908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	363637	9.398	ng	0.00
7) Phenol-d6	6.643	99	465033	9.210	ng	0.01
23) Nitrobenzene-d5	8.572	82	280094	6.831	ng	0.00
42) 2,4,6-Tribromophenol	15.619	330	212082	10.493	ng	0.00
45) 2-Fluorobiphenyl	12.701	172	756113	6.847	ng	0.00
79) Terphenyl-d14	19.672	244	1035368	6.901	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.066	202	915160	4.489	ng	99
78) Pyrene	19.442	202	883115	4.324	ng	98
81) Benzo(a)anthracene	21.325	228	593231	2.969	ng	95
83) Chrysene	21.389	228	604418	3.143	ng	97
87) Indeno(1,2,3-cd)pyrene	28.036	276	572001	2.384	ng	# 93
88) Benzo(b)fluoranthene	23.513	252	955175m	4.358	ng	
90) Benzo(a)pyrene	24.342	252	677312	3.631	ng	97
92) Benzo(g,h,i)perylene	29.101	276	577376	2.818	ng	97

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

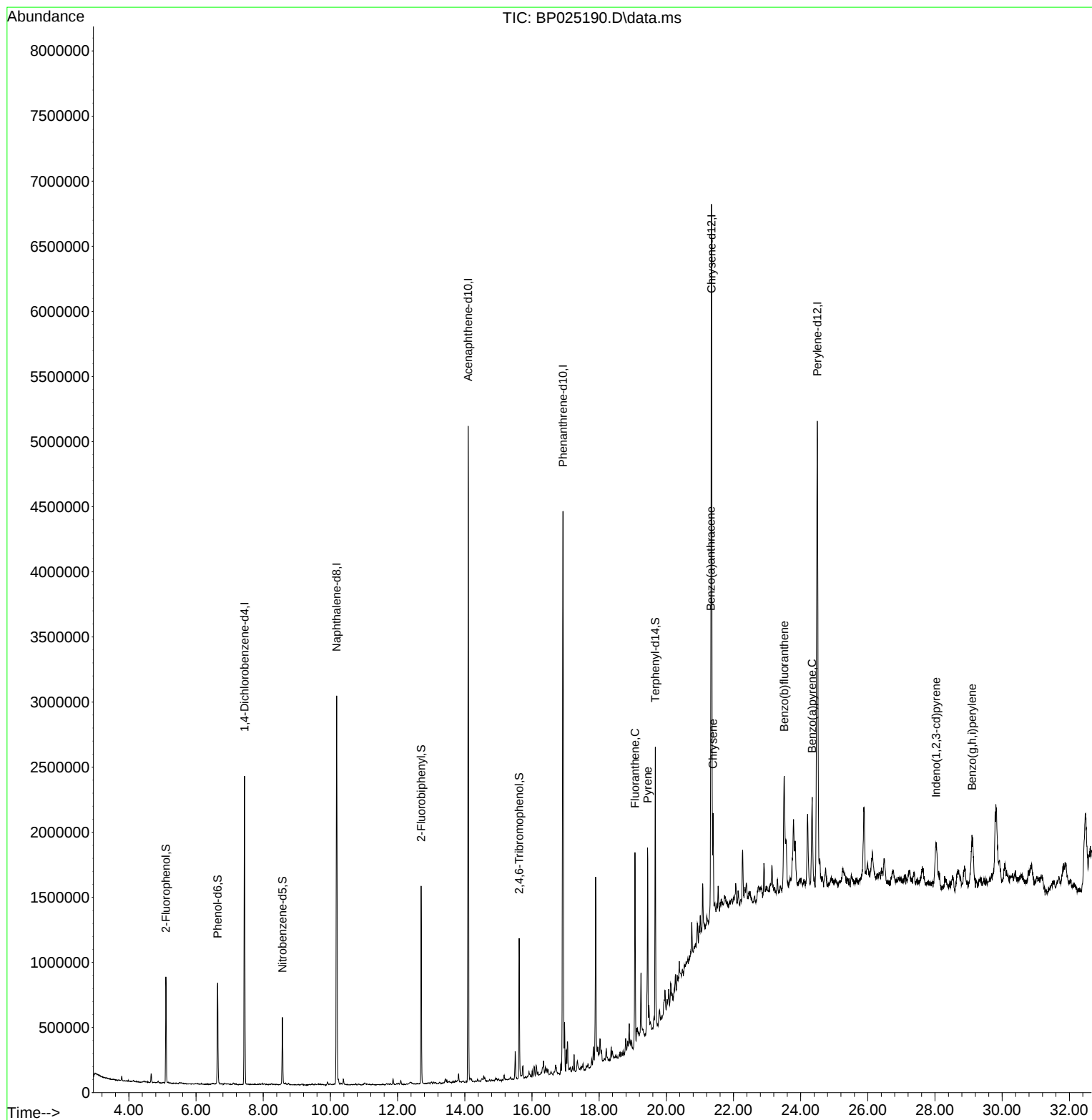
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071825\
Data File : BP025190.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

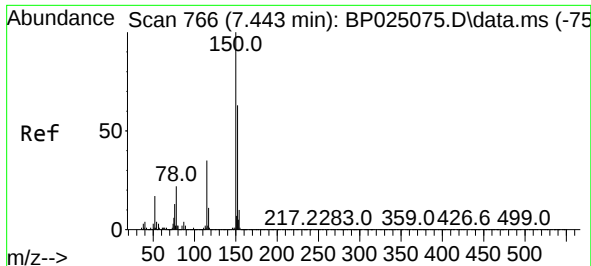
Instrument :
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QLast Update : Thu Jul 03 16:05:44 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Instrument :

BNA_P

ClientSampleId :

HR-MCN-COMP-01

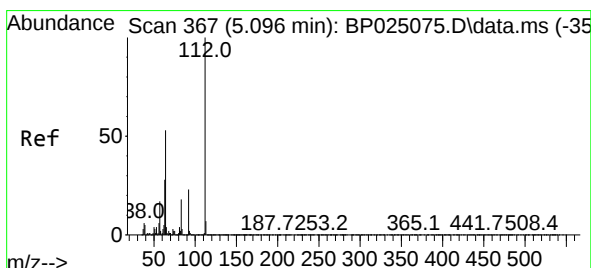
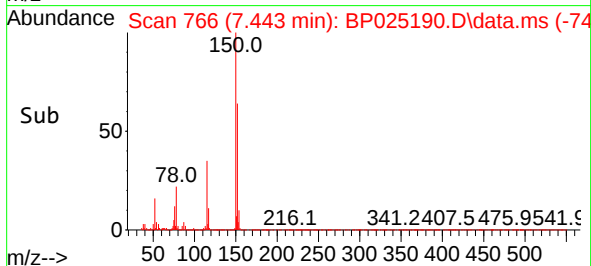
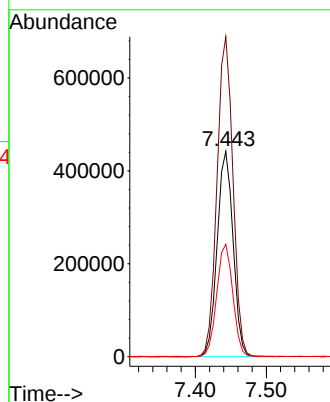
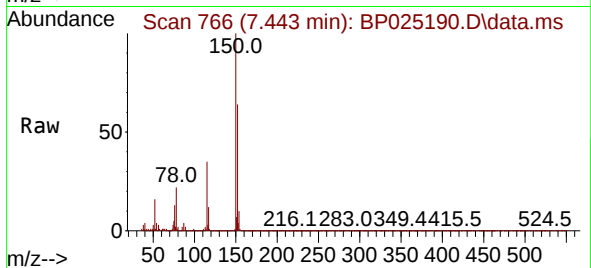
Tgt Ion:152 Resp: 685592
Ion Ratio Lower Upper
152 100
150 155.8 126.1 189.1
115 54.8 44.3 66.5

Manual Integrations

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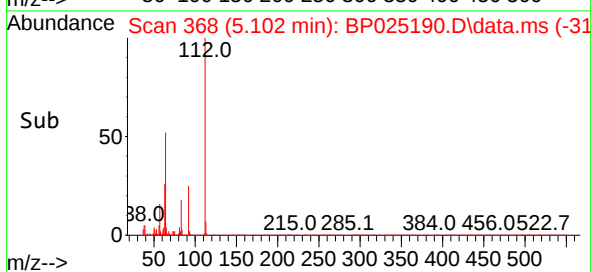
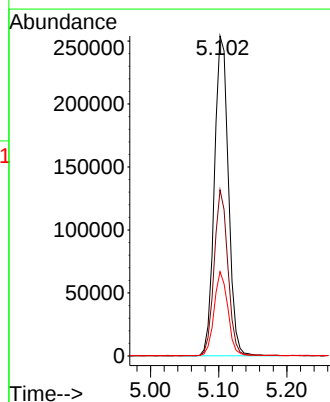
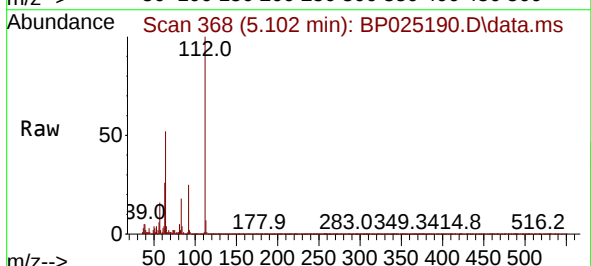
Reviewed By :Rahul Chavli 07/21/2025

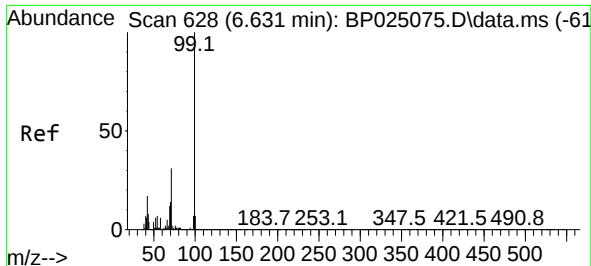
Supervised By :Jagrut Upadhyay 07/21/2025



#5
2-Fluorophenol
Concen: 9.398 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Tgt Ion:112 Resp: 363637
Ion Ratio Lower Upper
112 100
64 51.9 42.0 63.0
63 26.4 22.2 33.2





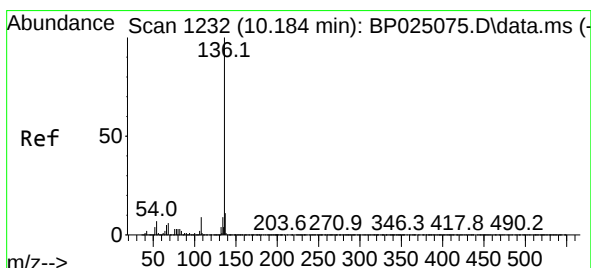
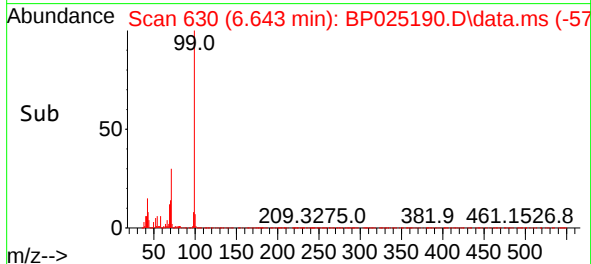
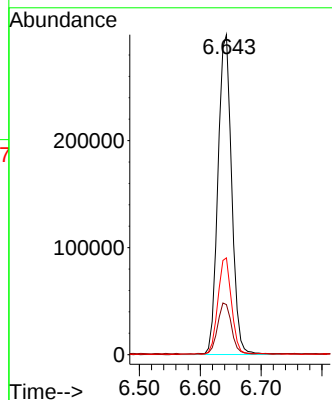
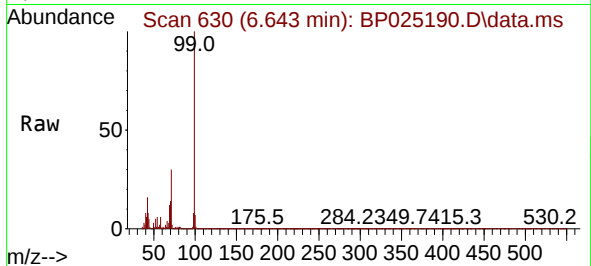
#7
Phenol-d6
Concen: 9.210 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Instrument :
BNA_P
ClientSampleId :
HR-MCN-COMP-01

Tgt Ion: 99 Resp: 46503
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 30.2 24.4 36.6

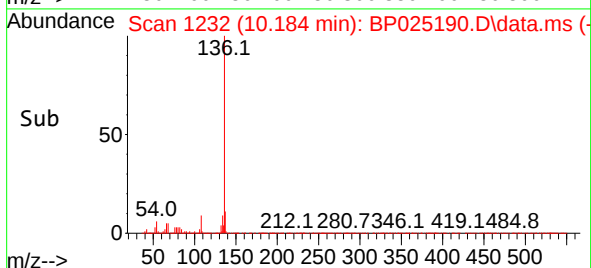
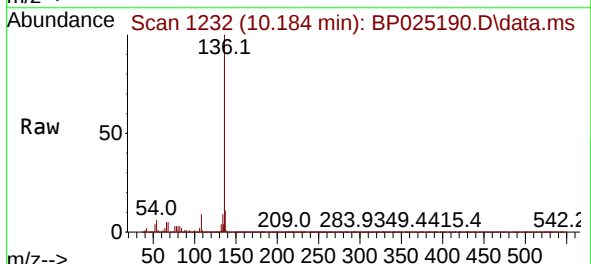
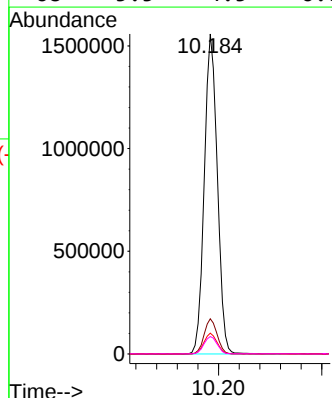
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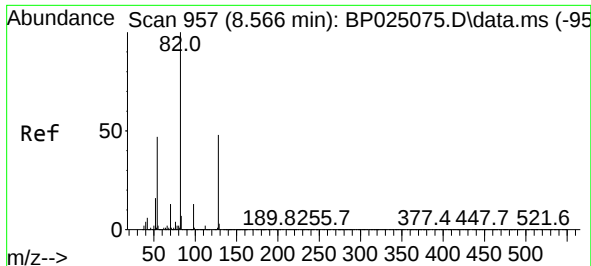
Reviewed By :Rahul Chavli 07/21/2025
Supervised By :Jagrut Upadhyay 07/21/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

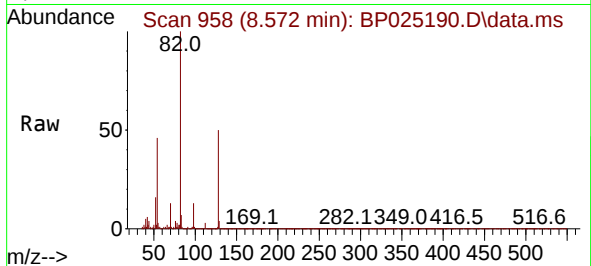
Tgt Ion:136 Resp: 2726747
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.5 5.4 8.2
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 6.831 ng
RT: 8.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

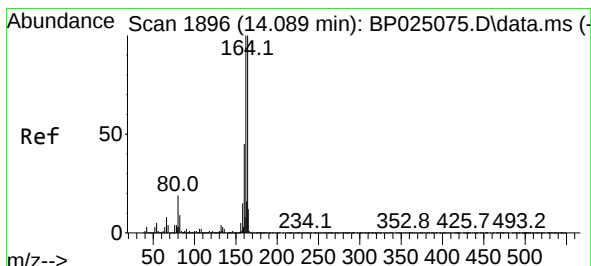
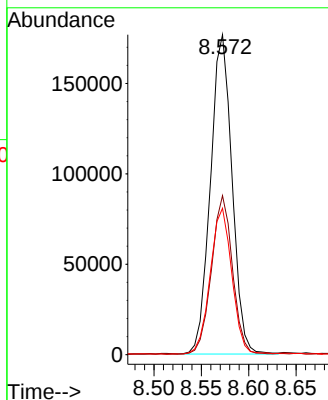
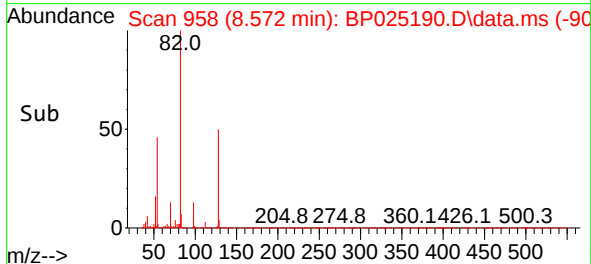
Instrument :
BNA_P
ClientSampleId :
HR-MCN-COMP-01



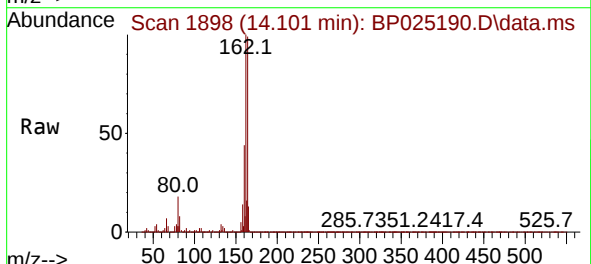
Tgt Ion: 82 Resp: 280094
Ion Ratio Lower Upper
82 100
128 49.7 38.4 57.6
54 45.7 37.8 56.6

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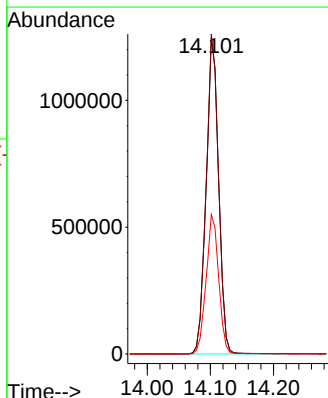
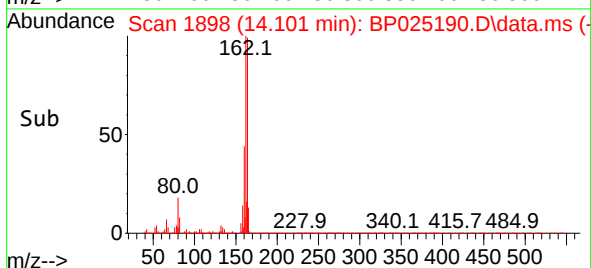
Reviewed By :Rahul Chavli 07/21/2025
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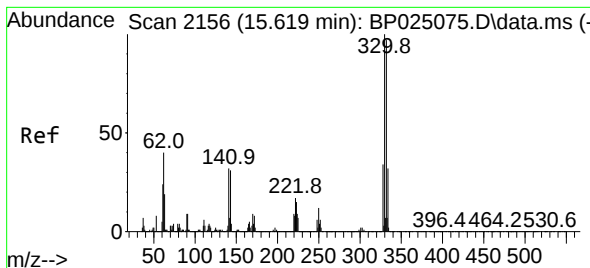


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.101 min Scan# 1898
Delta R.T. 0.012 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11



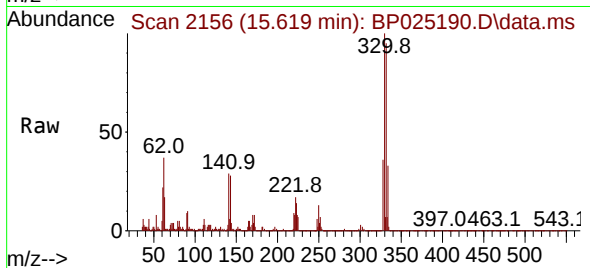
Tgt Ion:164 Resp: 1710853
Ion Ratio Lower Upper
164 100
162 101.3 80.3 120.5
160 44.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 10.493 ng
RT: 15.619 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

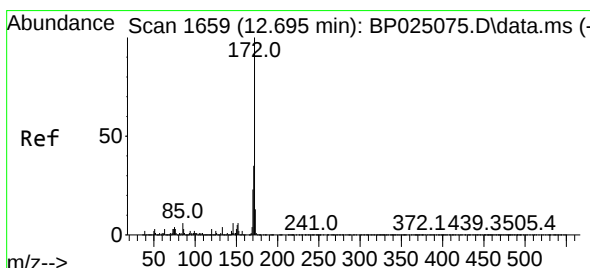
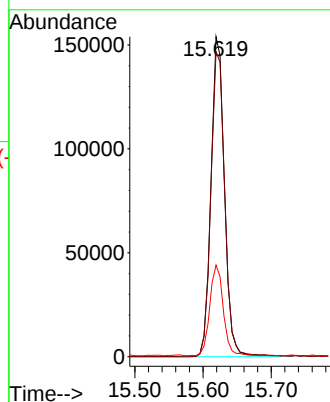
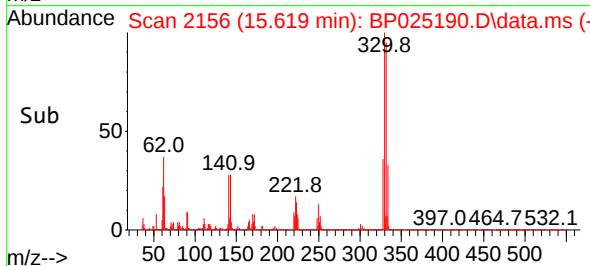
Instrument :
BNA_P
ClientSampleId :
HR-MCN-COMP-01



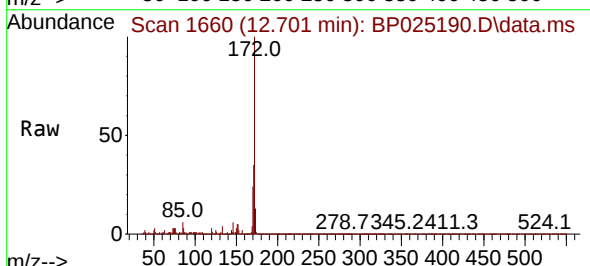
Tgt Ion: 330 Resp: 21208
Ion Ratio Lower Upper
330 100
332 98.0 77.7 116.5
141 28.3 26.0 39.0

Manual Integrations
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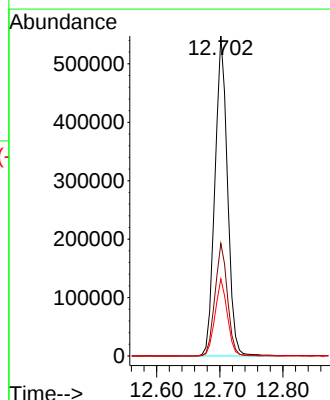
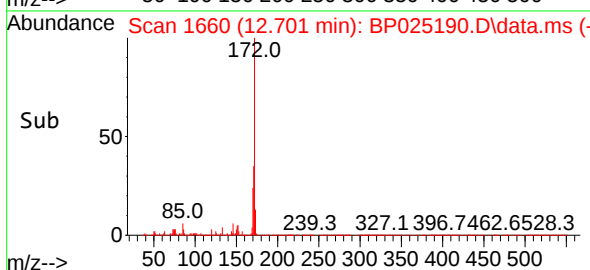
Reviewed By :Rahul Chavli 07/21/2025
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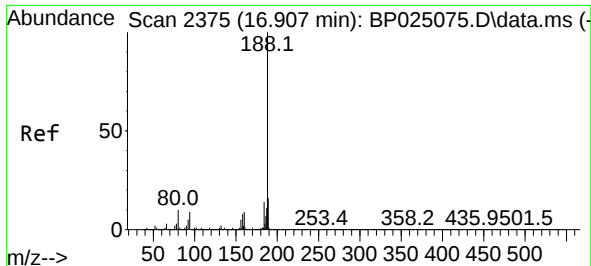


#45
2-Fluorobiphenyl
Concen: 6.847 ng
RT: 12.701 min Scan# 1660
Delta R.T. 0.006 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11



Tgt Ion: 172 Resp: 756113
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 24.1 18.7 28.1





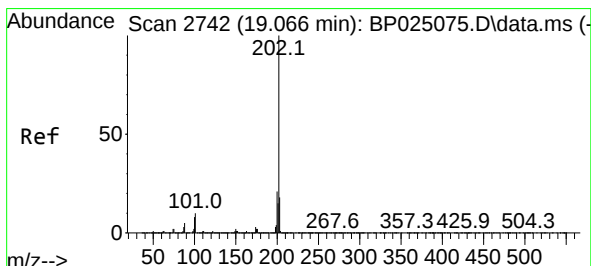
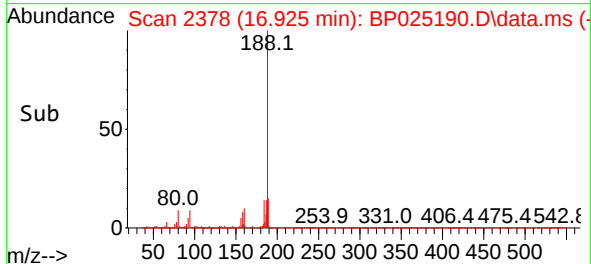
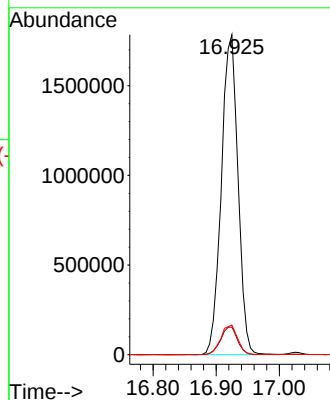
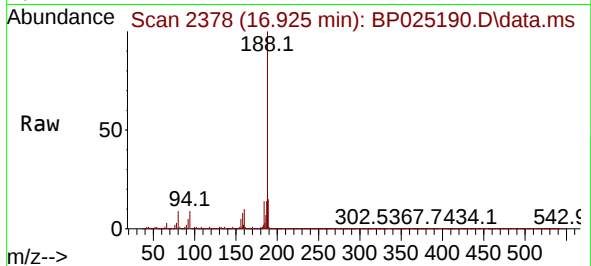
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.925 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Instrument :
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HR-MCN-COMP-01

Tgt Ion:188 Resp: 326408
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.3 7.8 11.6

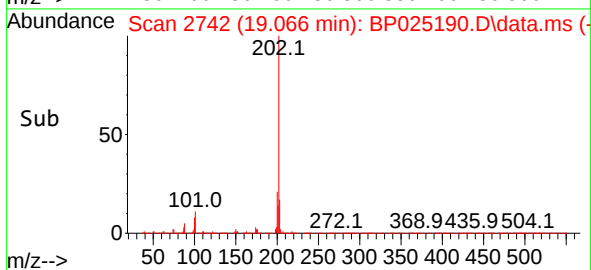
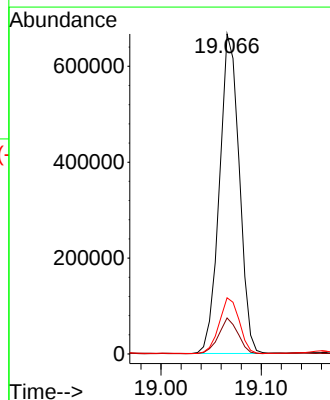
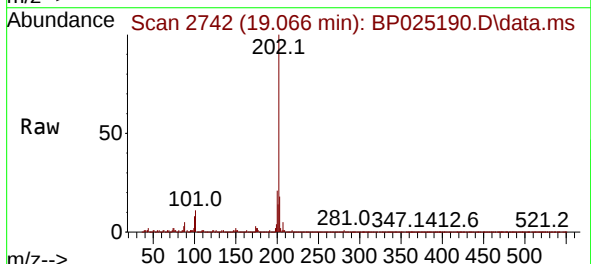
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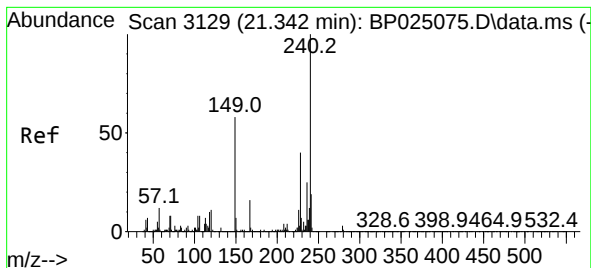
Reviewed By :Rahul Chavli 07/21/2025
Supervised By :Jagrut Upadhyay 07/21/2025



#75
Fluoranthene
Concen: 4.489 ng
RT: 19.066 min Scan# 2742
Delta R.T. 0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Tgt Ion:202 Resp: 915160
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.4
203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

Instrument :

BNA_P

ClientSampleId :

HR-MCN-COMP-01

Tgt Ion:240 Resp: 3297418

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

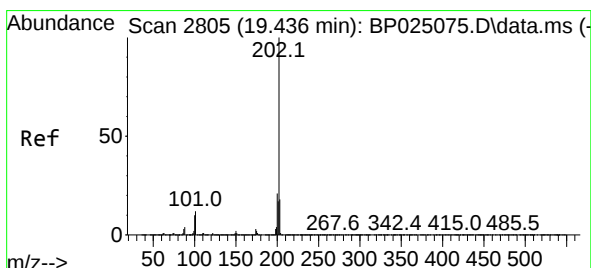
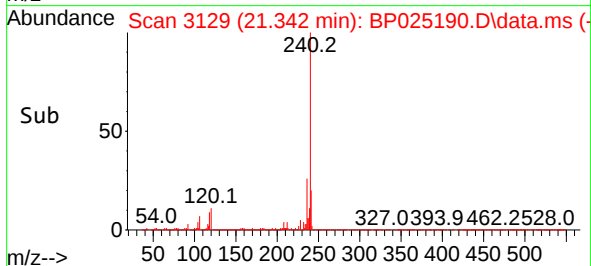
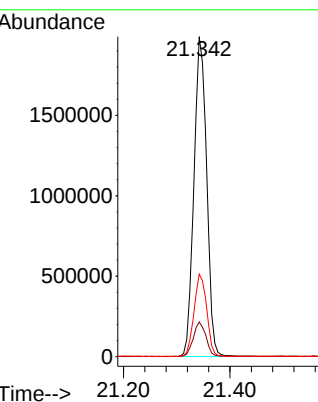
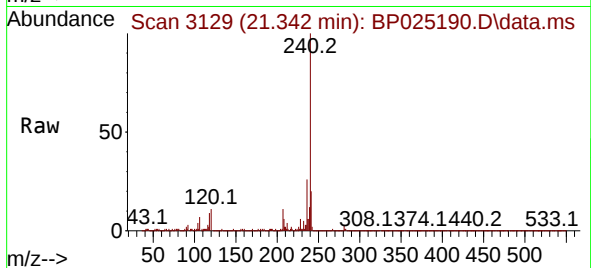
236 25.8 20.3 30.5

Manual Integrations

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#78

Pyrene

Concen: 4.324 ng

RT: 19.442 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

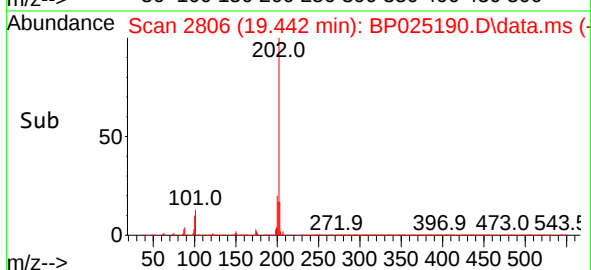
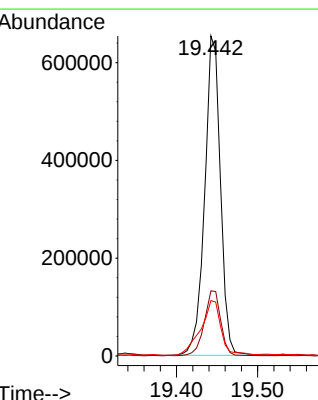
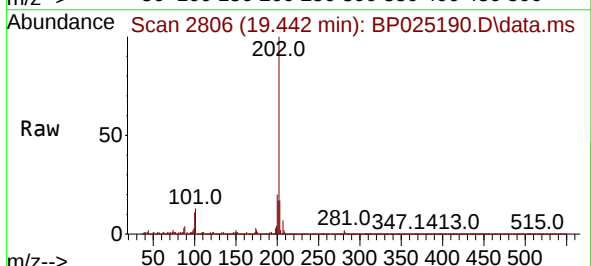
Tgt Ion:202 Resp: 883115

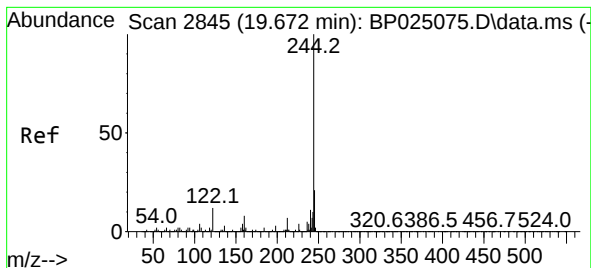
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 6.901 ng

RT: 19.672 min Scan# 2845

Delta R.T. 0.000 min

Lab File: BP025190.D

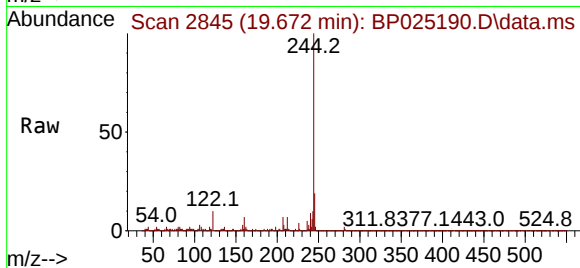
Acq: 18 Jul 2025 13:11

Instrument :

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HR-MCN-COMP-01



Tgt Ion:244 Resp: 103536

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

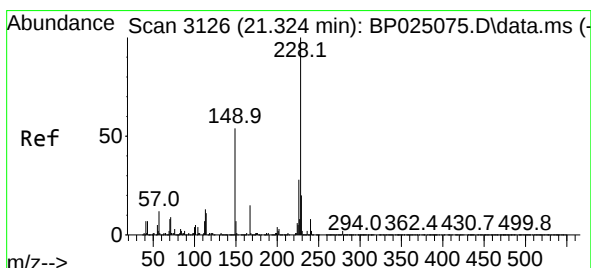
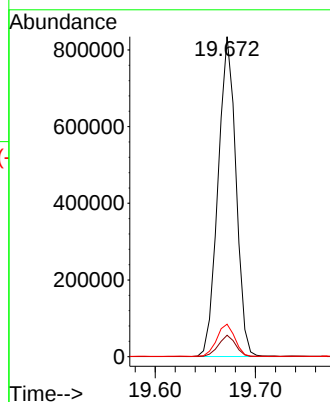
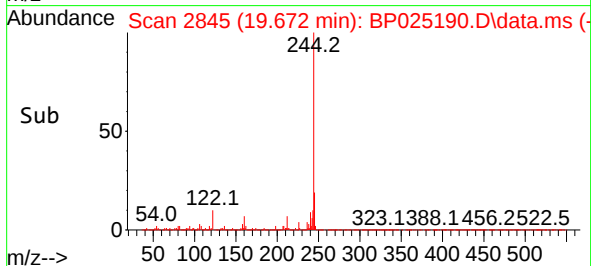
122 10.1 9.4 14.2

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Reviewed By :Rahul Chavli 07/21/2025

Supervised By :Jagrut Upadhyay 07/21/2025



#81

Benzo(a)anthracene

Concen: 2.969 ng

RT: 21.325 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

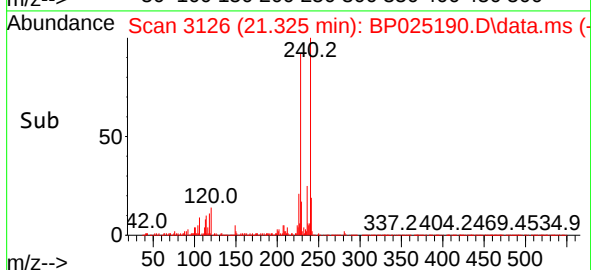
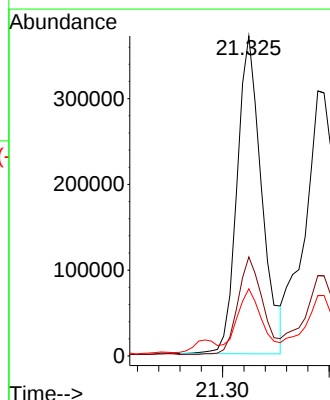
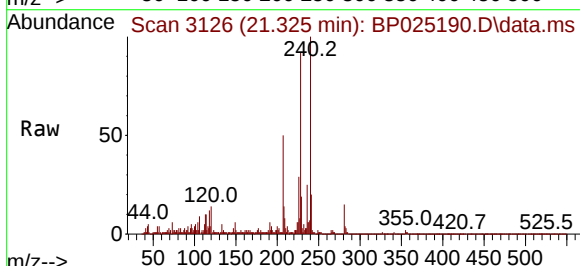
Tgt Ion:228 Resp: 593231

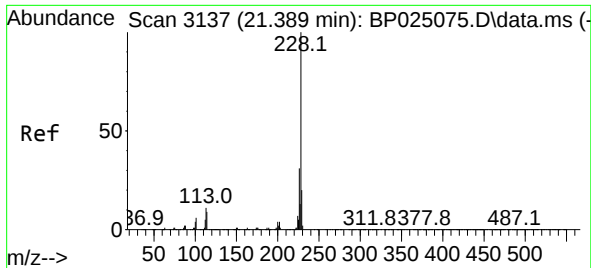
Ion Ratio Lower Upper

228 100

226 31.0 22.1 33.1

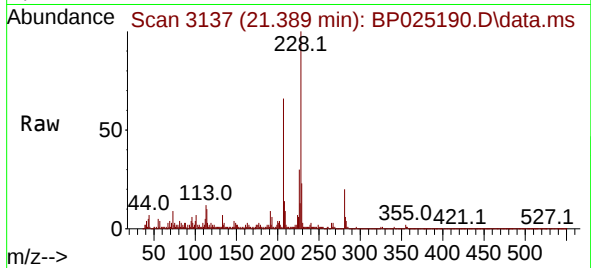
229 21.0 16.0 24.0





#83
Chrysene
Concen: 3.143 ng
RT: 21.389 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

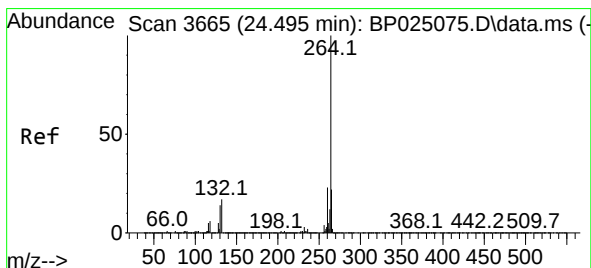
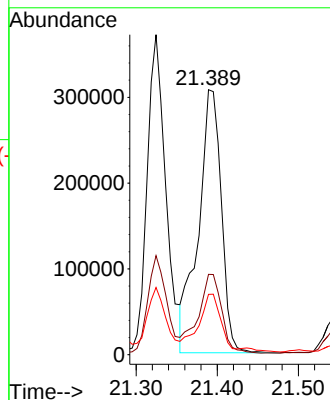
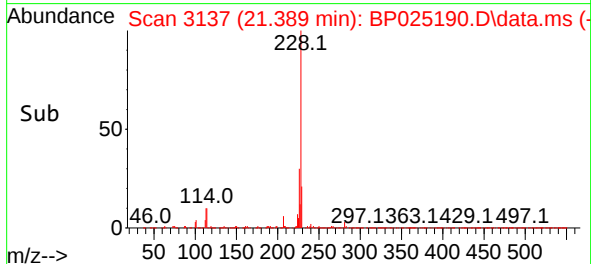
Instrument :
BNA_P
ClientSampleId :
HR-MCN-COMP-01



Tgt Ion:228 Resp: 604418
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.8 16.0 24.0

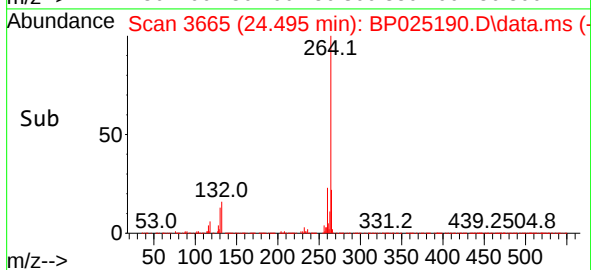
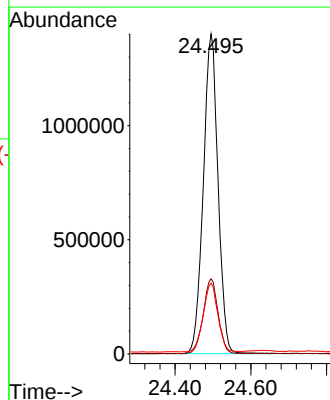
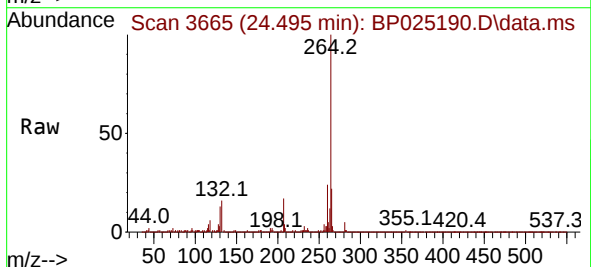
Manual Integrations
APPROVED

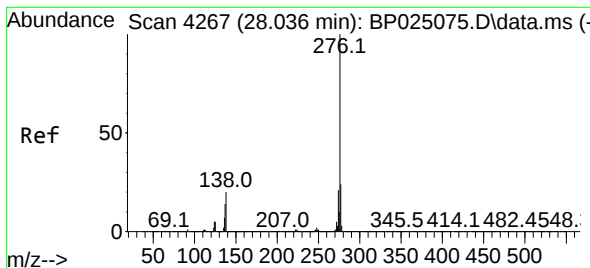
Reviewed By :Rahul Chavli 07/21/2025
Supervised By :Jagrut Upadhyay 07/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.495 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP025190.D
Acq: 18 Jul 2025 13:11

Tgt Ion:264 Resp: 3765908
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.1 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.384 ng

RT: 28.036 min Scan# 4267

Delta R.T. 0.000 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

Instrument :

BNA_P

ClientSampleId :

HR-MCN-COMP-01

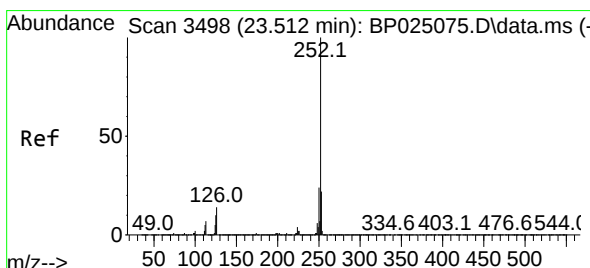
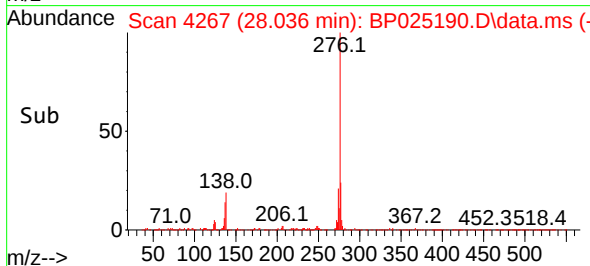
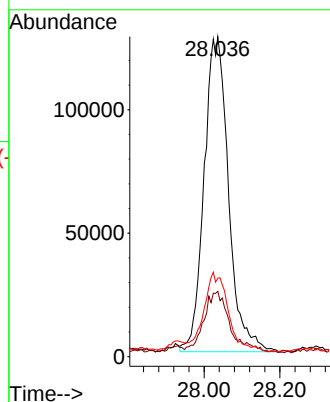
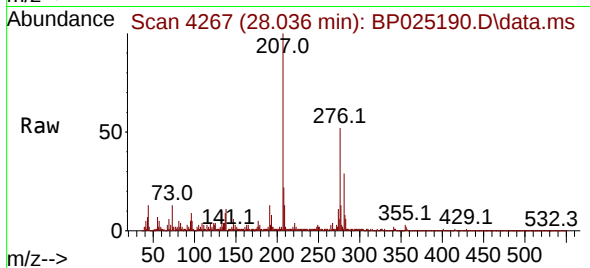
Tgt Ion:	276	Resp:	57200
Ion Ratio	Lower	Upper	
276	100		
138	17.5	13.0	19.6
277	24.6	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/21/2025

Supervised By :Jagrut Upadhyay 07/21/2025



#88

Benzo(b)fluoranthene

Concen: 4.358 ng m

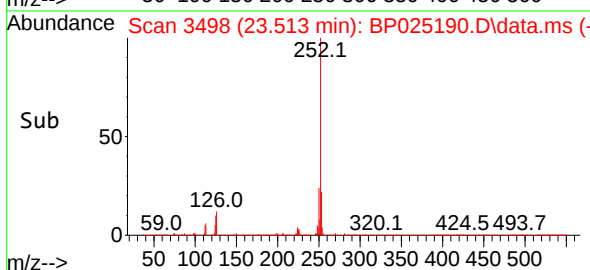
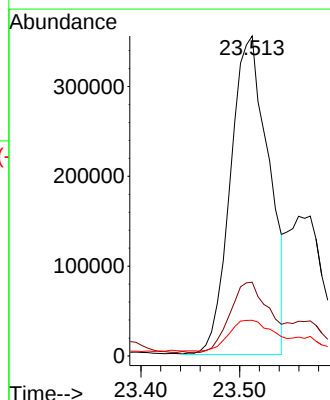
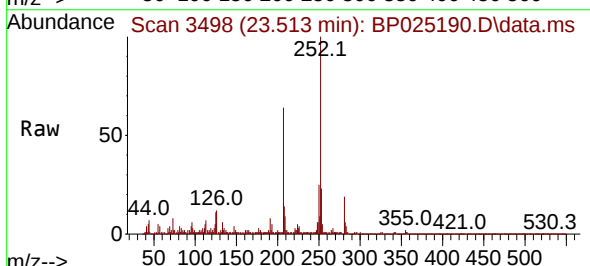
RT: 23.513 min Scan# 3498

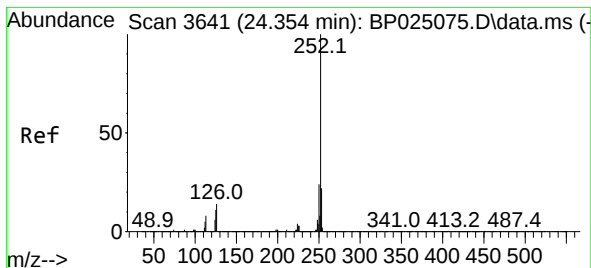
Delta R.T. 0.000 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

Tgt Ion:	252	Resp:	955175
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.7	26.5
125	11.2	8.1	12.1





#90

Benzo(a)pyrene

Concen: 3.631 ng

RT: 24.342 min Scan# 30

Delta R.T. -0.012 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

Instrument :

BNA_P

ClientSampleId :

HR-MCN-COMP-01

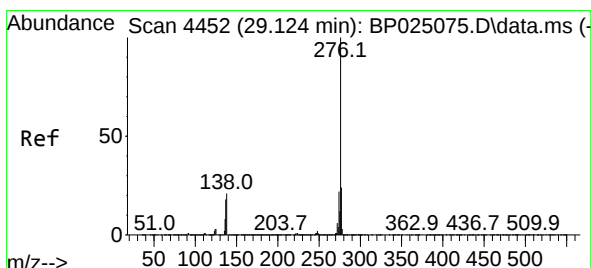
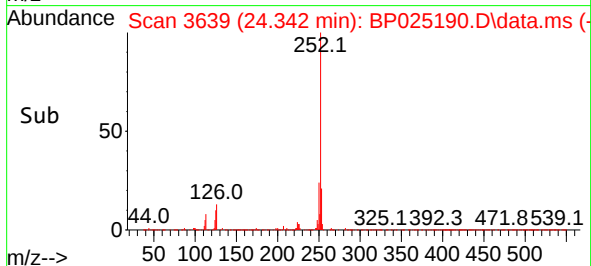
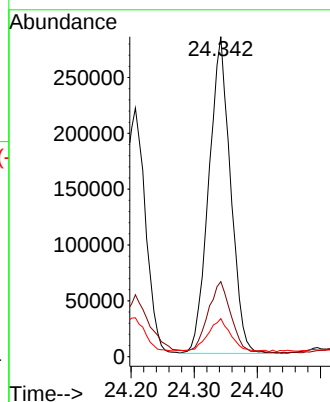
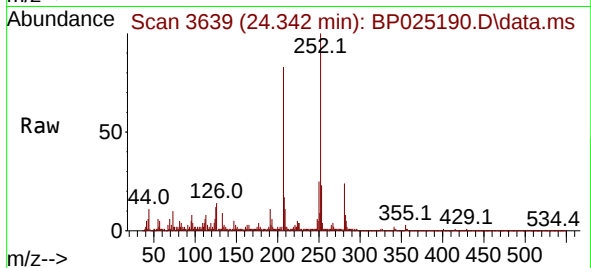
Tgt Ion:252 Resp: 677312
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 11.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/21/2025

Supervised By :Jagrut Upadhyay 07/21/2025



#92

Benzo(g,h,i)perylene

Concen: 2.818 ng

RT: 29.101 min Scan# 4448

Delta R.T. -0.023 min

Lab File: BP025190.D

Acq: 18 Jul 2025 13:11

Tgt Ion:276 Resp: 577376
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.3 28.9
 138 19.3 16.9 25.3

