

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
 Data File : BP024430.D
 Acq On : 25 Apr 2025 19:54
 Operator : RC/JU
 Sample : Q1871-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-A

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/28/2025
 Supervised By :Jagrut Upadhyay 04/28/2025

Quant Time: Apr 25 22:52:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	156011	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	654910	20.000	ng	-0.01
39) Acenaphthene-d10	14.345	164	426021	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	897975	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1028248	20.000	ng	-0.01
86) Perylene-d12	24.916	264	1196428	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	181132	19.197	ng	0.00
7) Phenol-d6	6.905	99	224039	17.341	ng	0.00
23) Nitrobenzene-d5	8.863	82	138420	12.052	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	124743	21.164	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	339877	12.215	ng	-0.01
79) Terphenyl-d14	19.869	244	626442	12.280	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.192	178	207133	4.228	ng	100
72) Anthracene	17.286	178	98155	2.079	ng	98
75) Fluoranthene	19.269	202	513778	8.818	ng	98
78) Pyrene	19.645	202	638947	9.778	ng	99
81) Benzo(a)anthracene	21.557	228	383630	6.002	ng	97
83) Chrysene	21.627	228	346312	5.656	ng	98
87) Indeno(1,2,3-cd)pyrene	28.680	276	291207	3.506	ng	98
88) Benzo(b)fluoranthene	23.851	252	503332	7.019	ng	96
89) Benzo(k)fluoranthene	23.921	252	186919m	2.698	ng	
90) Benzo(a)pyrene	24.751	252	430838	6.965	ng	98
92) Benzo(g,h,i)perylene	29.856	276	304314	4.337	ng	95

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

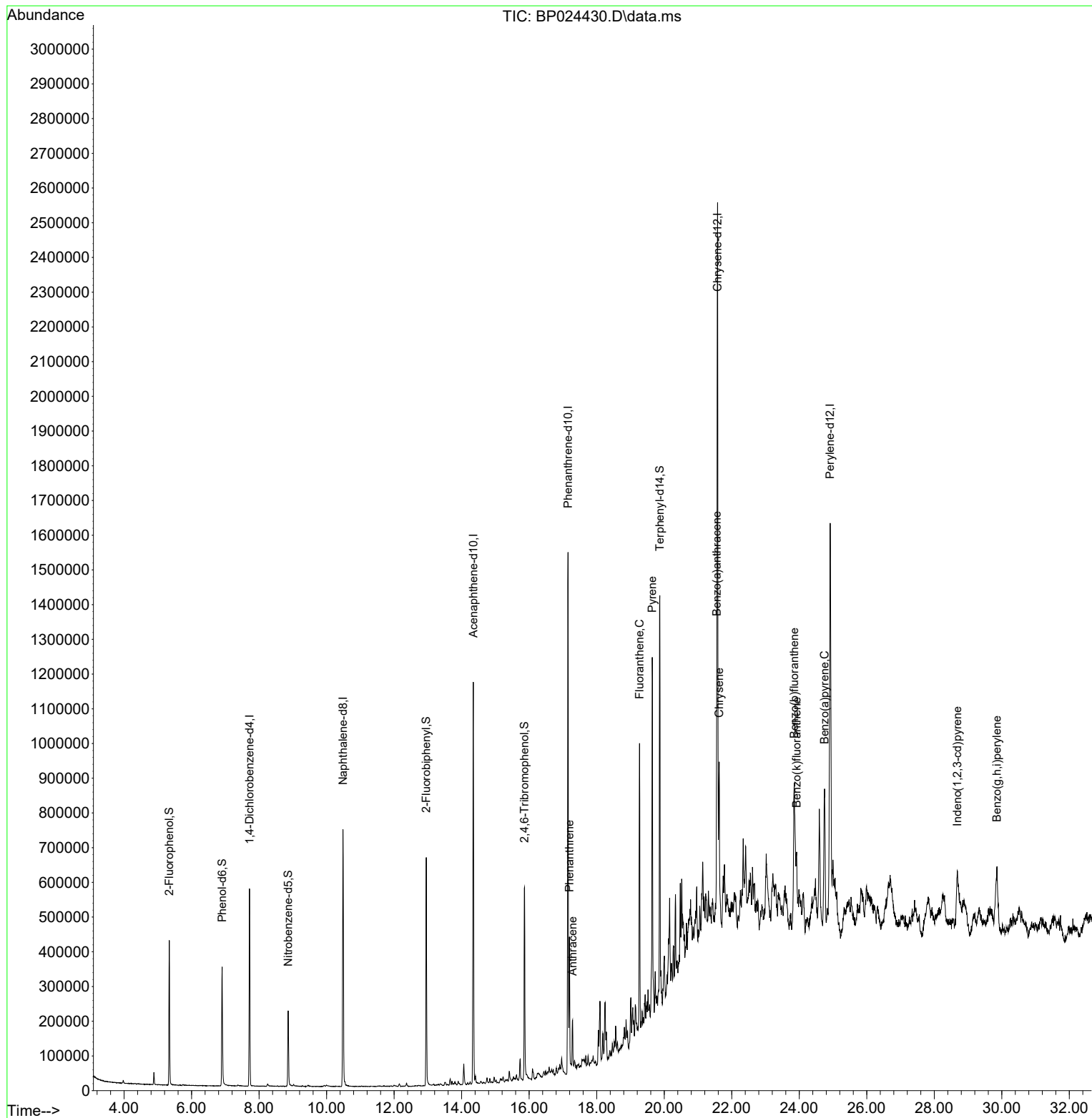
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Data File : BP024430.D
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ALS Vial : 15 Sample Multiplier: 1

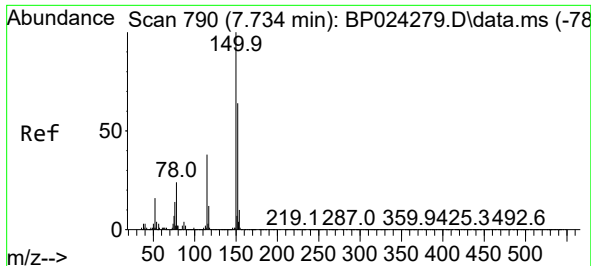
Instrument :
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MH-A

Quant Time: Apr 25 22:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
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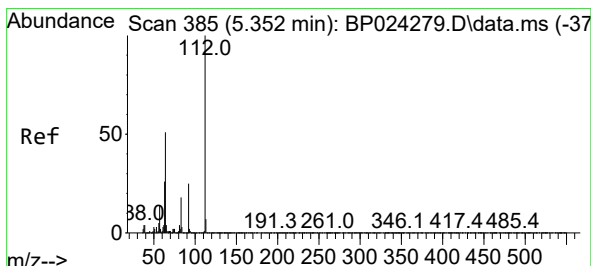
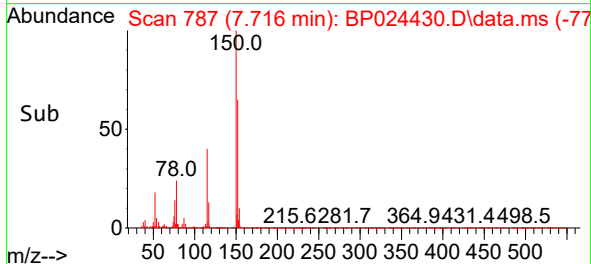
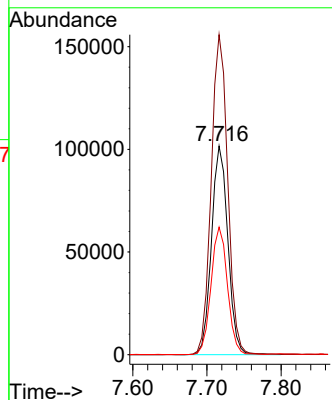
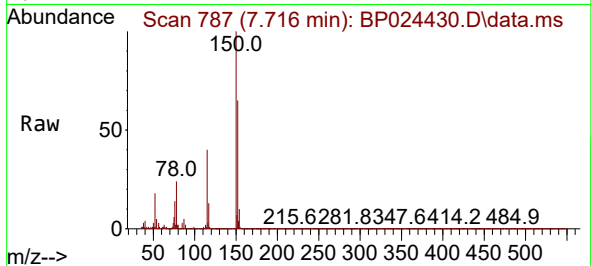
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Instrument :
BNA_P
ClientSampleId :
MH-A

Tgt Ion:152 Resp: 15601
Ion Ratio Lower Upper
152 100
150 153.3 124.9 187.3
115 61.1 47.7 71.5

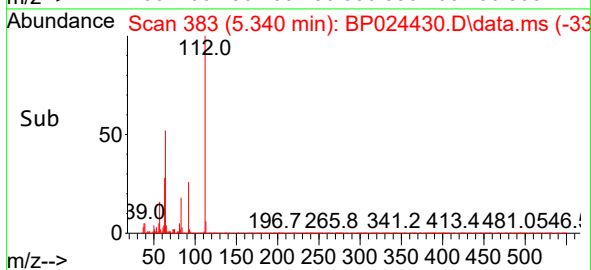
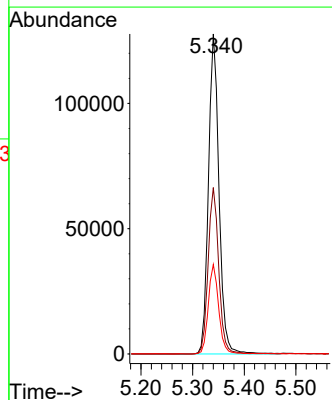
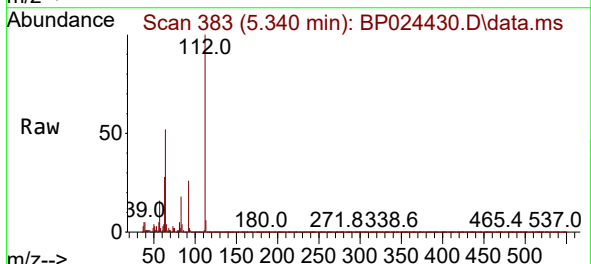
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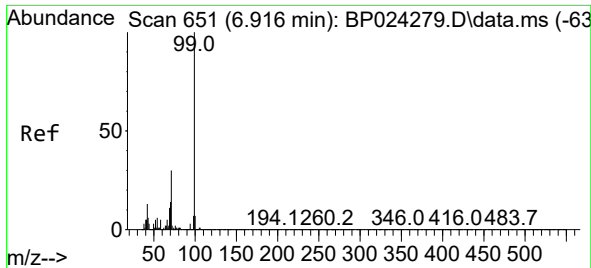
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#5
2-Fluorophenol
Concen: 19.197 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:112 Resp: 181132
Ion Ratio Lower Upper
112 100
64 52.0 41.1 61.7
63 28.0 20.6 30.8





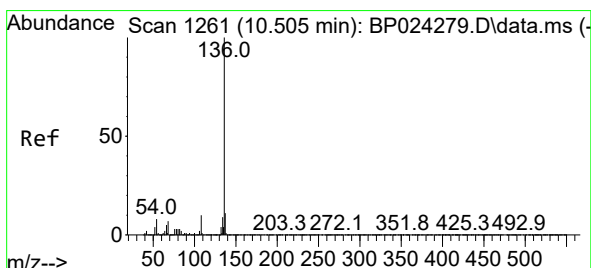
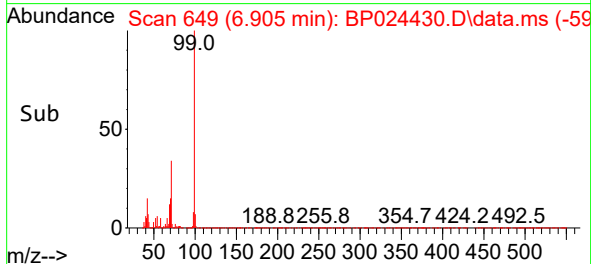
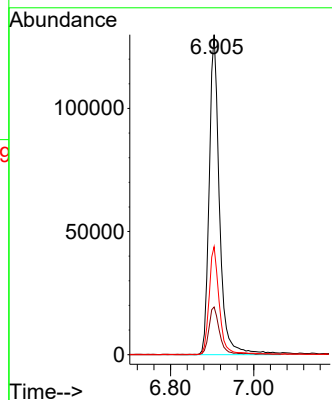
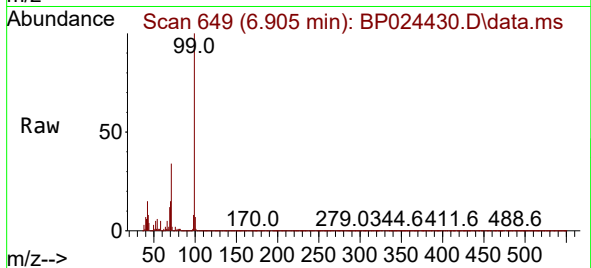
#7
Phenol-d6
Concen: 17.341 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Instrument :
BNA_P
ClientSampleId :
MH-A

Tgt Ion: 99 Resp: 224039
Ion Ratio Lower Upper
99 100
42 14.9 10.6 16.0
71 33.7 23.7 35.5

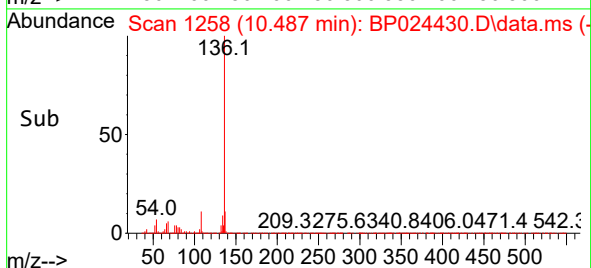
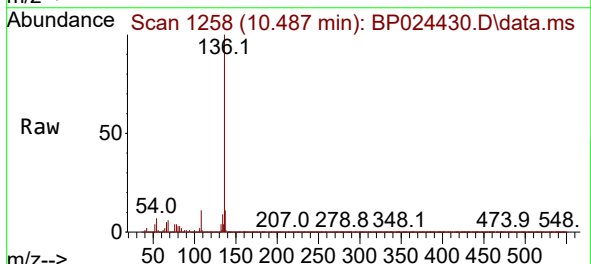
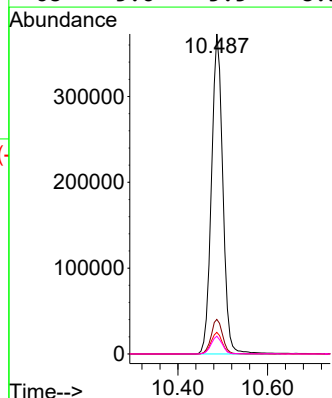
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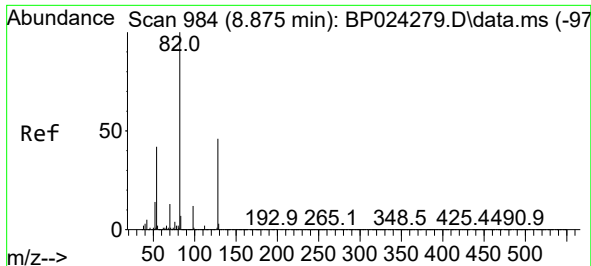
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:136 Resp: 654910
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.7 6.0 9.0
68 5.6 5.5 8.3





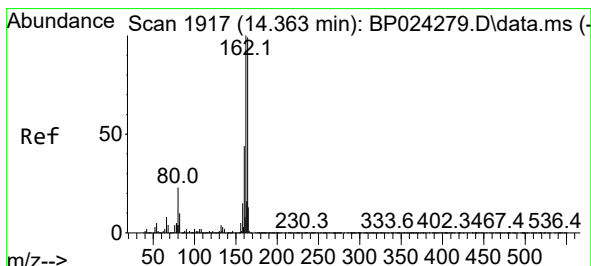
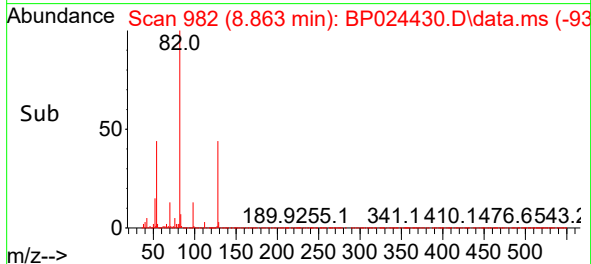
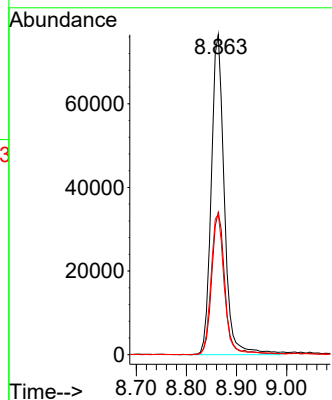
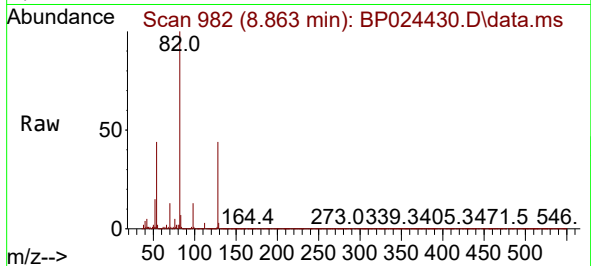
#23
Nitrobenzene-d5
Concen: 12.052 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Instrument :
BNA_P
ClientSampleId :
MH-A

Tgt Ion: 82 Resp: 138420
Ion Ratio Lower Upper
82 100
128 44.5 36.5 54.7
54 44.0 33.4 50.2

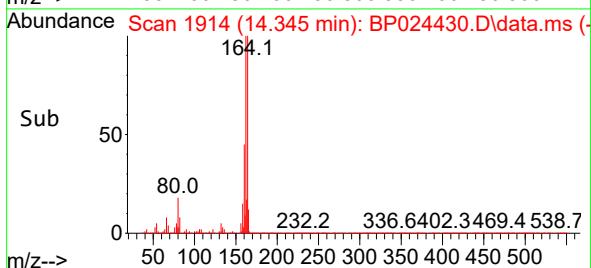
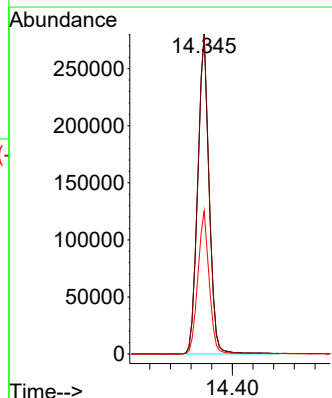
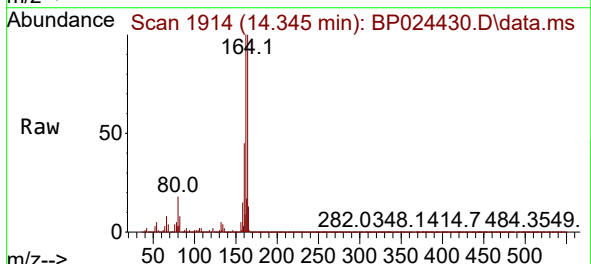
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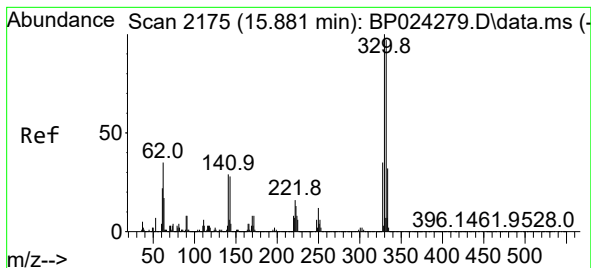
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:164 Resp: 426021
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 21.164 ng

RT: 15.863 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

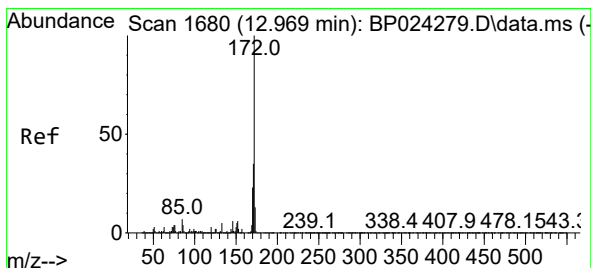
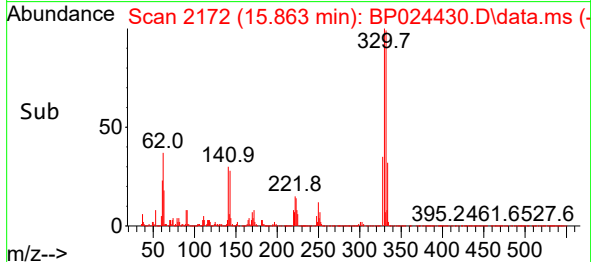
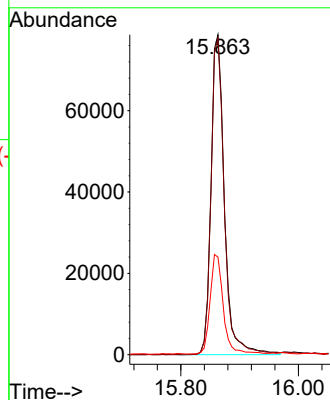
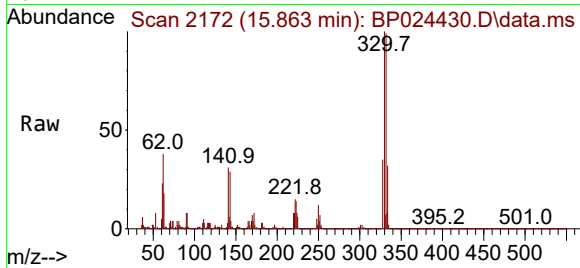
Tgt Ion:	330	Resp:	12474
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.1	115.7
141	30.6	24.7	37.1

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Supervised By :Jagrut Upadhyay 04/28/2025



#45

2-Fluorobiphenyl

Concen: 12.215 ng

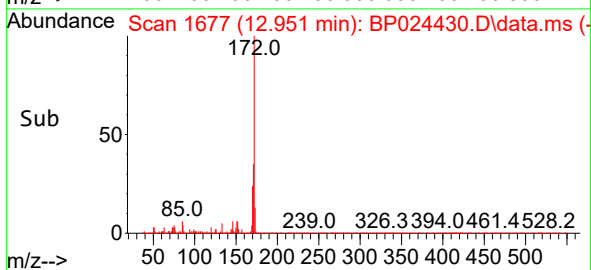
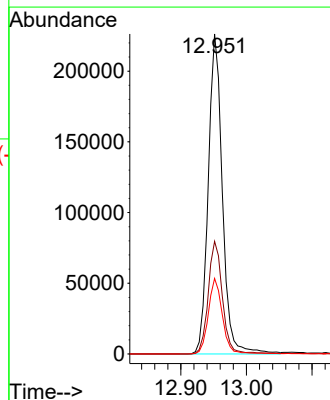
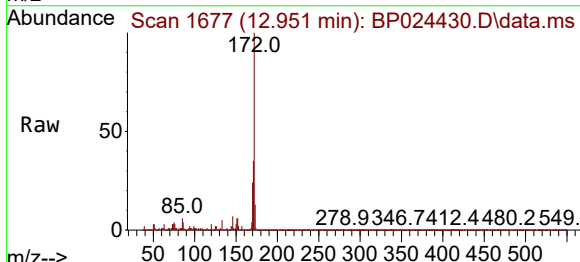
RT: 12.951 min Scan# 1677

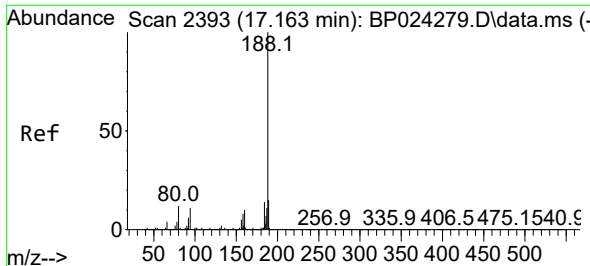
Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Tgt Ion:	172	Resp:	339877
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.2	42.2
170	23.6	18.6	27.8





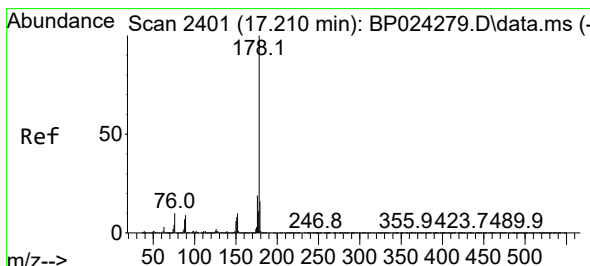
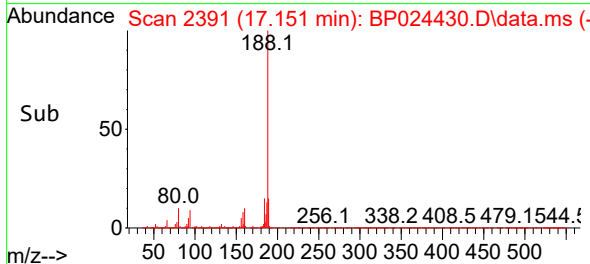
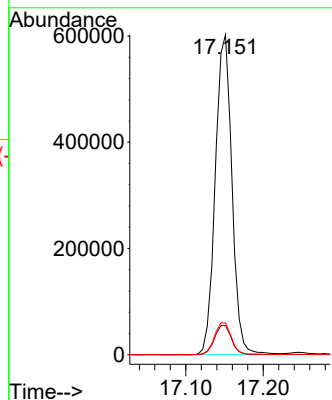
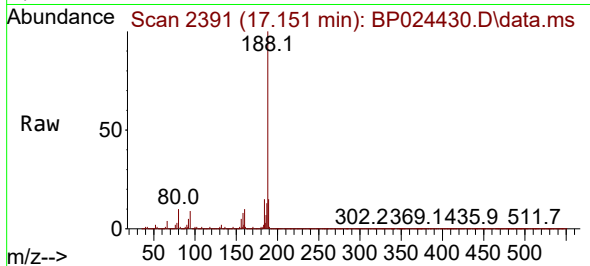
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Instrument :
BNA_P
ClientSampleId :
MH-A

Tgt Ion:188 Resp: 89797
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 9.9 9.8 14.6

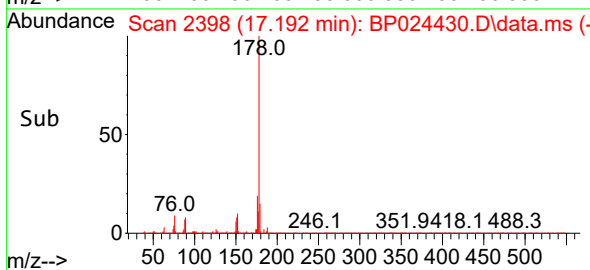
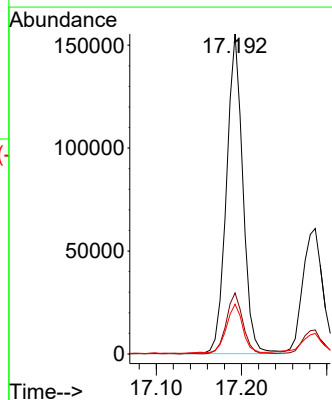
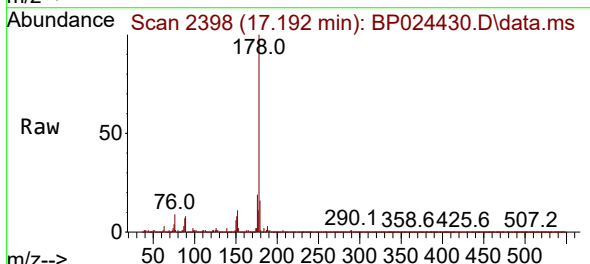
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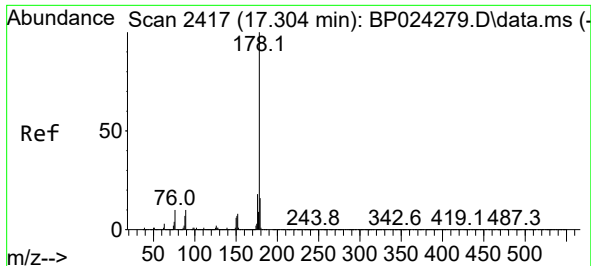
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#71
Phenanthrene
Concen: 4.228 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

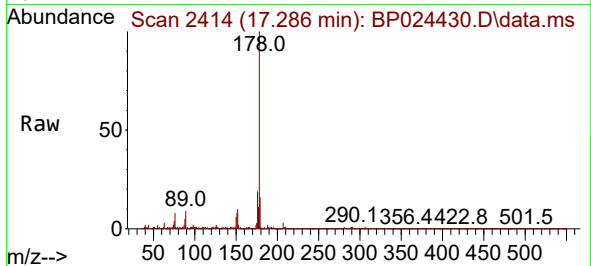
Tgt Ion:178 Resp: 207133
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.5 12.5 18.7





#72
 Anthracene
 Concen: 2.079 ng
 RT: 17.286 min Scan# 2414
 Delta R.T. 0.000 min
 Lab File: BP024430.D
 Acq: 25 Apr 2025 19:54

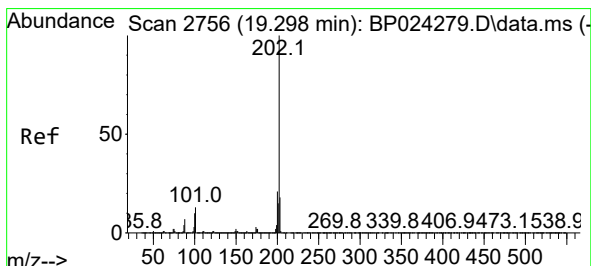
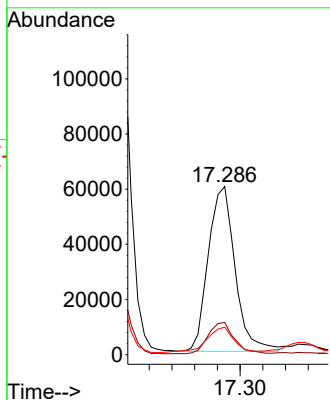
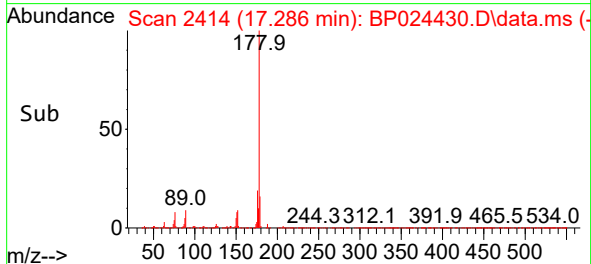
Instrument :
 BNA_P
 ClientSampleId :
 MH-A



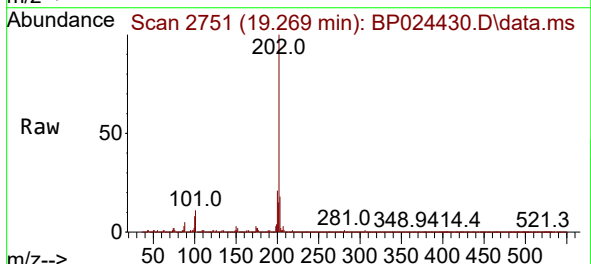
Tgt Ion:178 Resp: 9815
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.7 22.1
 179 16.4 12.4 18.6

Manual Integrations
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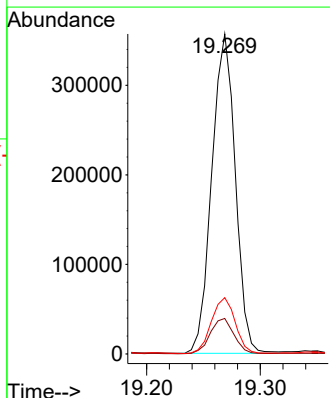
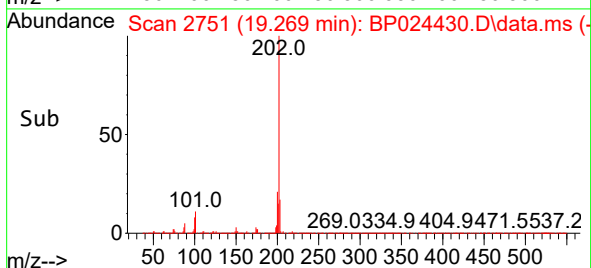
Reviewed By :Rahul Chavli 04/28/2025
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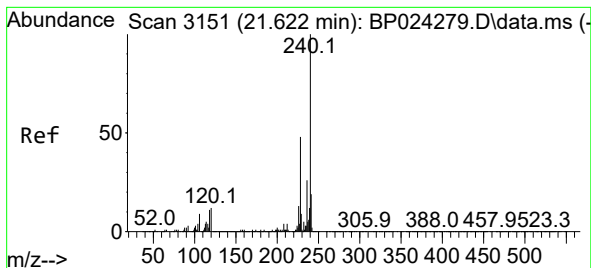


#75
 Fluoranthene
 Concen: 8.818 ng
 RT: 19.269 min Scan# 2751
 Delta R.T. -0.012 min
 Lab File: BP024430.D
 Acq: 25 Apr 2025 19:54



Tgt Ion:202 Resp: 513778
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 33.2
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3151

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

Tgt Ion:240 Resp: 102824

Ion Ratio Lower Upper

240 100

120 10.2 9.8 14.8

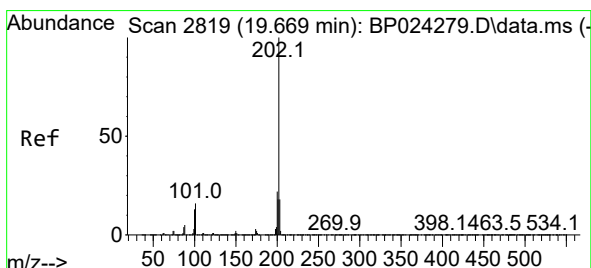
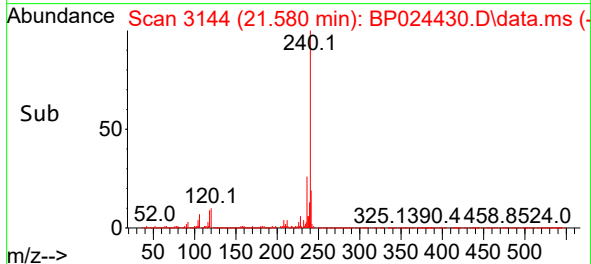
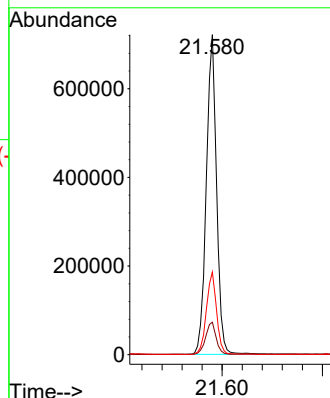
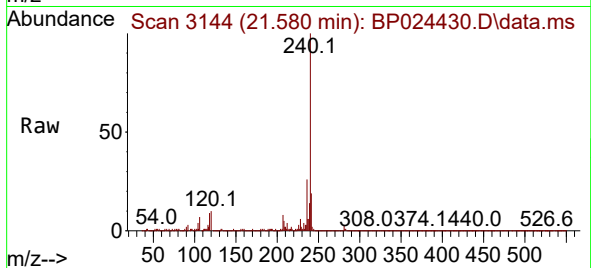
236 25.9 20.9 31.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2025



#78

Pyrene

Concen: 9.778 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

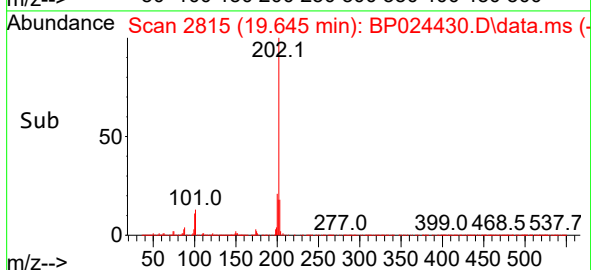
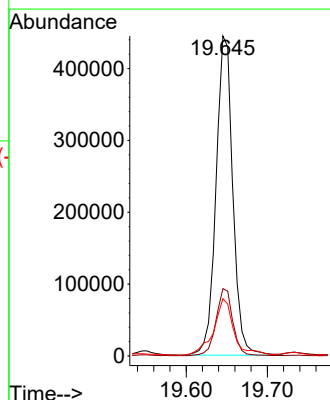
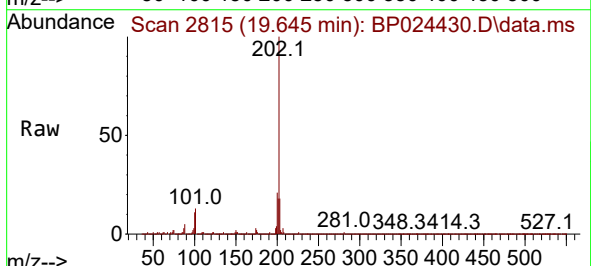
Tgt Ion:202 Resp: 638947

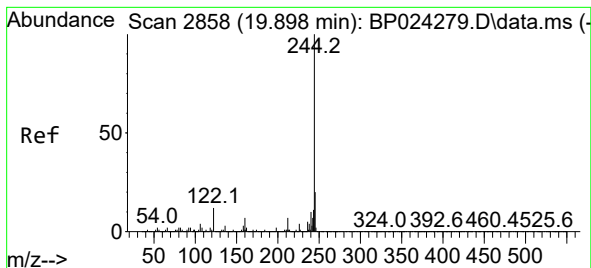
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 12.280 ng

RT: 19.869 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

Tgt Ion:244 Resp: 62644

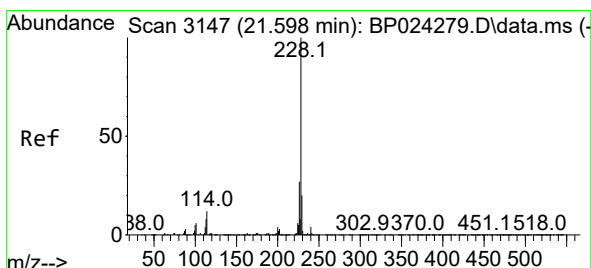
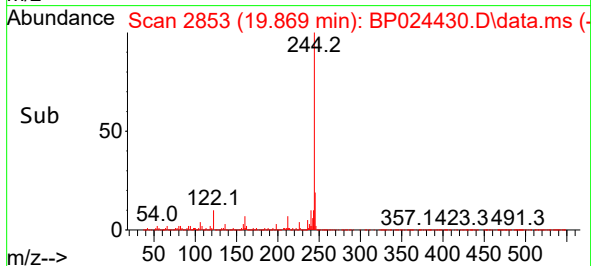
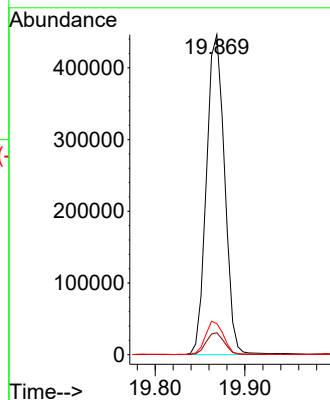
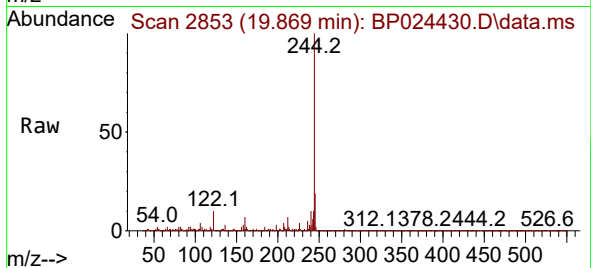
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.7	9.4	14.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#81

Benzo(a)anthracene

Concen: 6.002 ng

RT: 21.557 min Scan# 3140

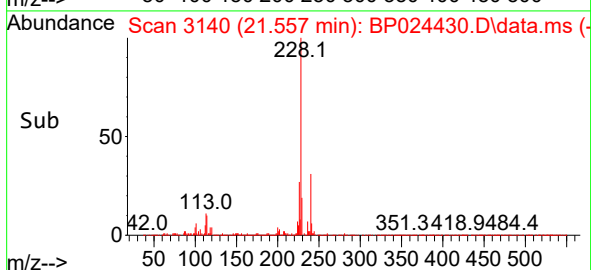
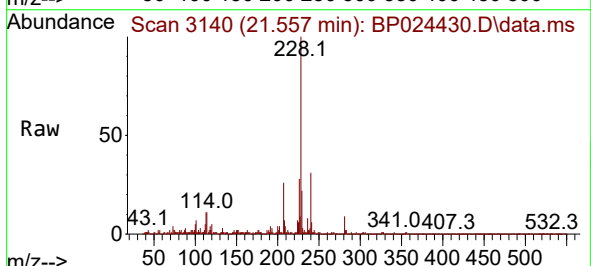
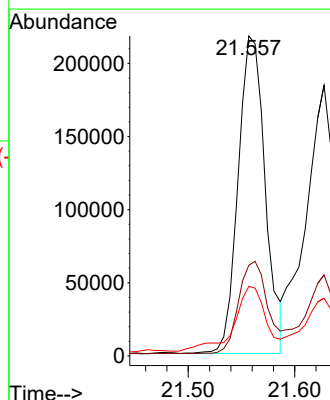
Delta R.T. -0.012 min

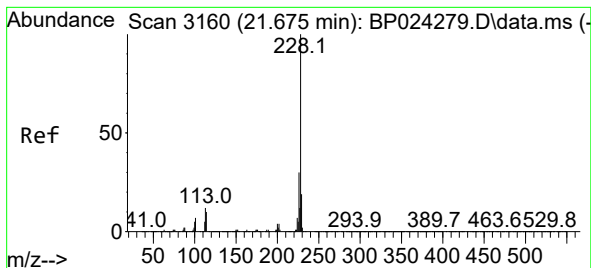
Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Tgt Ion:228 Resp: 383630

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	21.8	15.9	23.9





#83

Chrysene

Concen: 5.656 ng

RT: 21.627 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

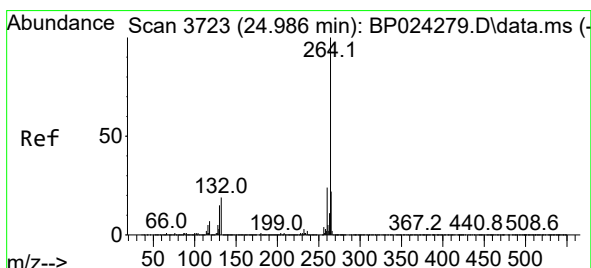
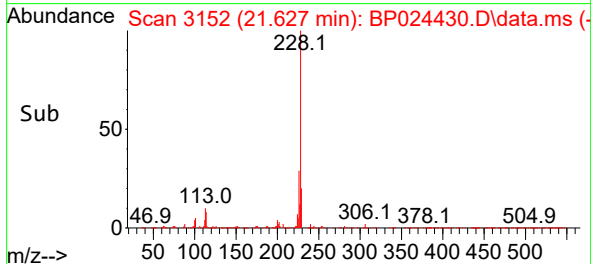
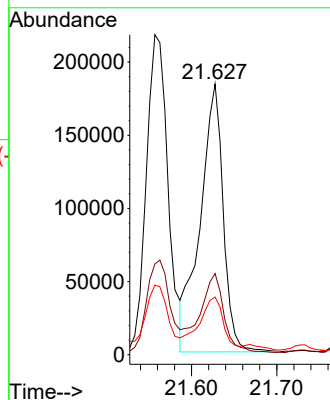
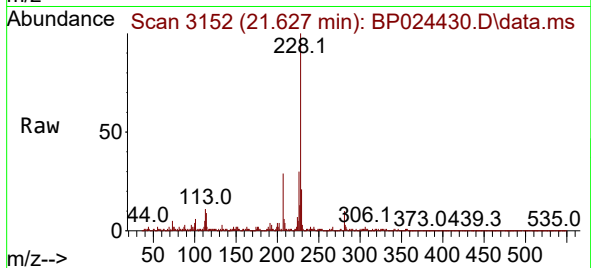
Tgt Ion:228 Resp: 346312
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.2 36.2
 229 21.3 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#86

Perylene-d12

Concen: 20.000 ng

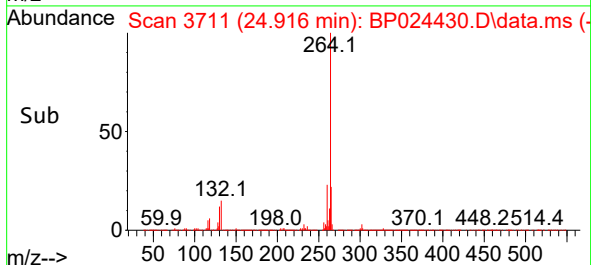
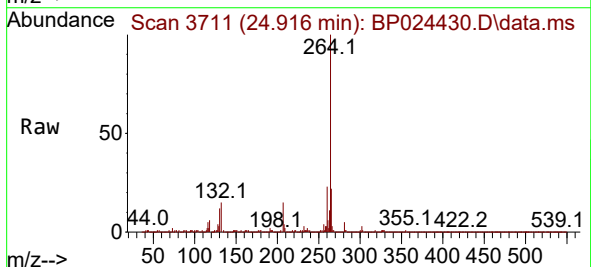
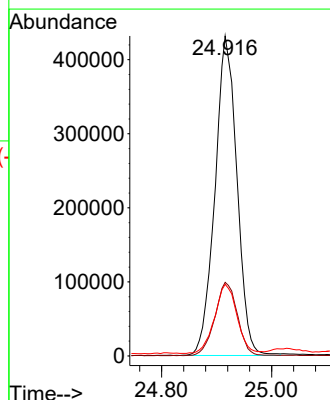
RT: 24.916 min Scan# 3711

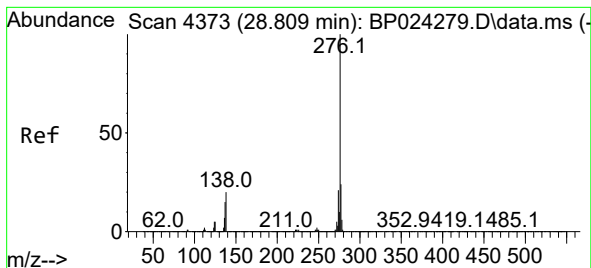
Delta R.T. -0.018 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Tgt Ion:264 Resp: 1196428
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.9 28.3
 265 22.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.506 ng

RT: 28.680 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

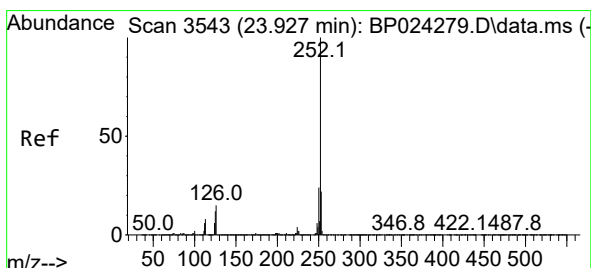
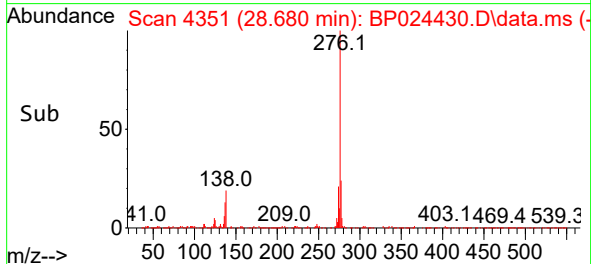
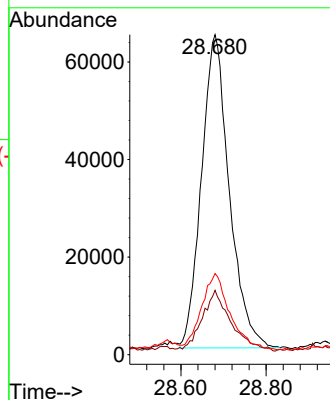
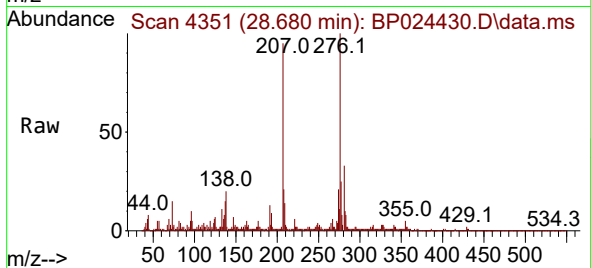
Tgt Ion:	276	Resp:	29120
Ion Ratio	Lower	Upper	
276	100		
138	20.3	14.5	21.7
277	25.1	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#88

Benzo(b)fluoranthene

Concen: 7.019 ng

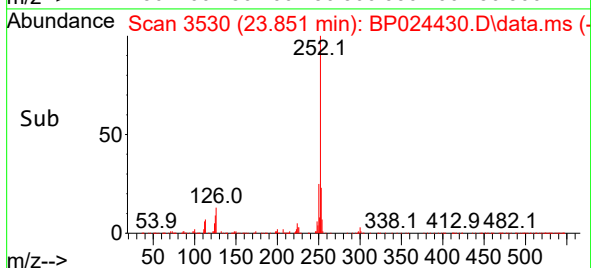
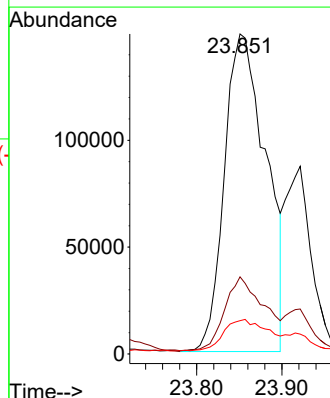
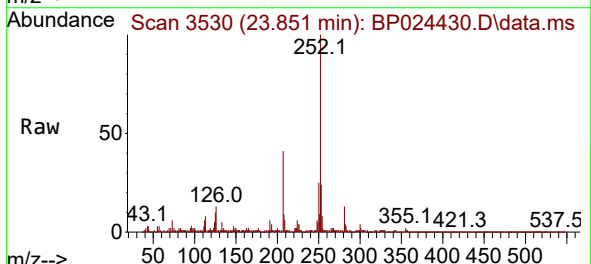
RT: 23.851 min Scan# 3530

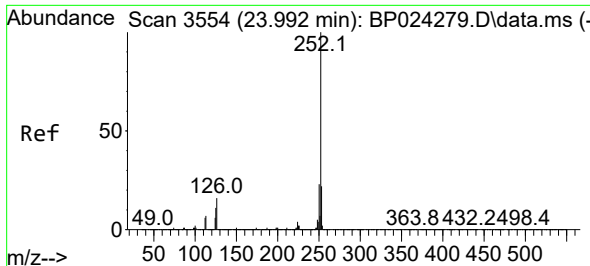
Delta R.T. -0.035 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

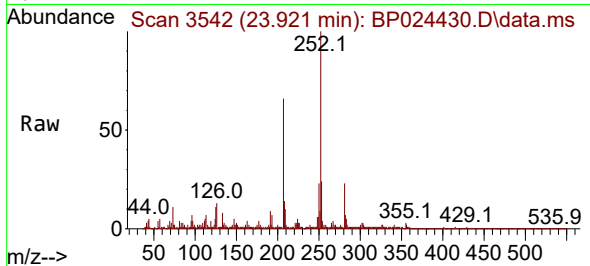
Tgt Ion:	252	Resp:	503332
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.7	26.5
125	10.4	9.4	14.0





#89
Benzo(k)fluoranthene
Concen: 2.698 ng m
RT: 23.921 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

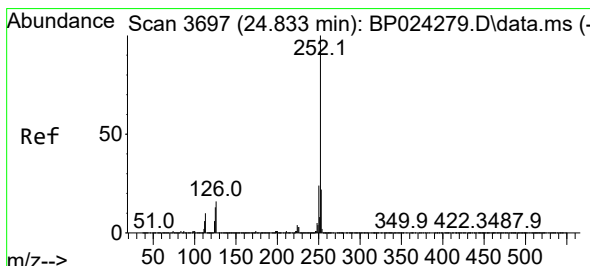
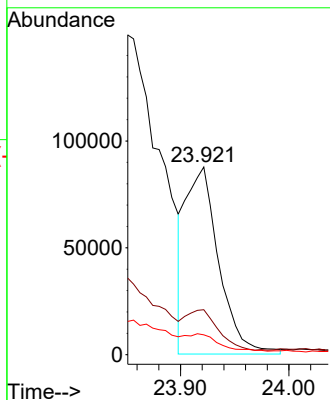
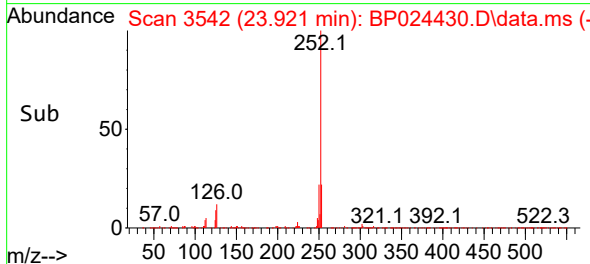
Instrument :
BNA_P
ClientSampleId :
MH-A



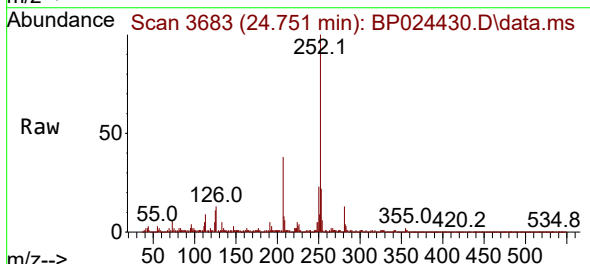
Tgt Ion:252 Resp: 186919
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 10.6 9.1 13.7

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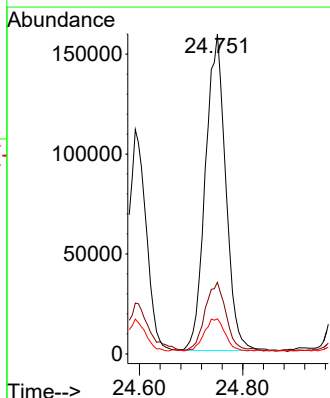
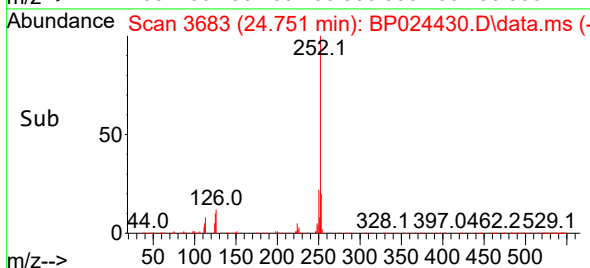
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025

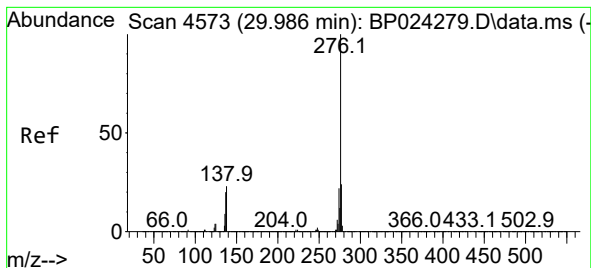


#90
Benzo(a)pyrene
Concen: 6.965 ng
RT: 24.751 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54



Tgt Ion:252 Resp: 430838
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 11.0 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 4.337 ng

RT: 29.856 min Scan# 451

Delta R.T. -0.041 min

Lab File: BP024430.D

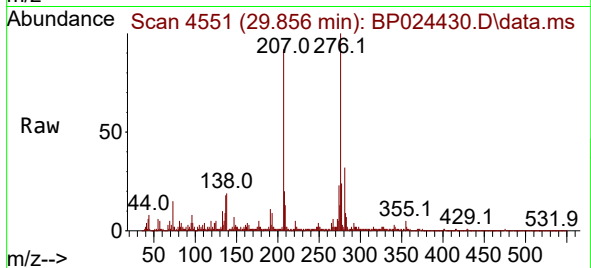
Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A



Tgt Ion: 276 Resp: 304314

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 19.3 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025

