

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
 Data File : BP024429.D
 Acq On : 25 Apr 2025 19:13
 Operator : RC/JU
 Sample : Q1867-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR200059

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 22:52:32 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	162758	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	660640	20.000	ng	#-0.01
39) Acenaphthene-d10	14.340	164	425421	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	878267	20.000	ng	0.00
76) Chrysene-d12	21.586	240	996657	20.000	ng	0.00
86) Perylene-d12	24.921	264	1189864	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	309207	31.412	ng	0.00
7) Phenol-d6	6.905	99	421375	31.263	ng	0.00
23) Nitrobenzene-d5	8.863	82	240600	20.767	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	234797	39.891	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	625613	22.516	ng	-0.01
79) Terphenyl-d14	19.869	244	1135273	22.960	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.057	152	215505	5.857	ng	99
58) Fluorene	15.404	166	74836	2.535	ng	98
71) Phenanthrene	17.198	178	1128470	23.553	ng	100
72) Anthracene	17.292	178	408156	8.839	ng	99
73) Carbazole	17.569	167	108899	2.414	ng	97
75) Fluoranthene	19.281	202	1745639	30.634	ng	97
78) Pyrene	19.651	202	1731939	27.344	ng	99
81) Benzo(a)anthracene	21.569	228	1103782	17.818	ng	97
83) Chrysene	21.628	228	992537	16.724	ng	97
87) Indeno(1,2,3-cd)pyrene	28.704	276	808488	9.787	ng	99
88) Benzo(b)fluoranthene	23.874	252	1404234	19.689	ng	98
89) Benzo(k)fluoranthene	23.933	252	524333m	7.611	ng	
90) Benzo(a)pyrene	24.763	252	1173856	19.080	ng	97
91) Dibenzo(a,h)anthracene	28.762	278	214049	3.122	ng	# 91
92) Benzo(g,h,i)perylene	29.874	276	838717	12.018	ng	96

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

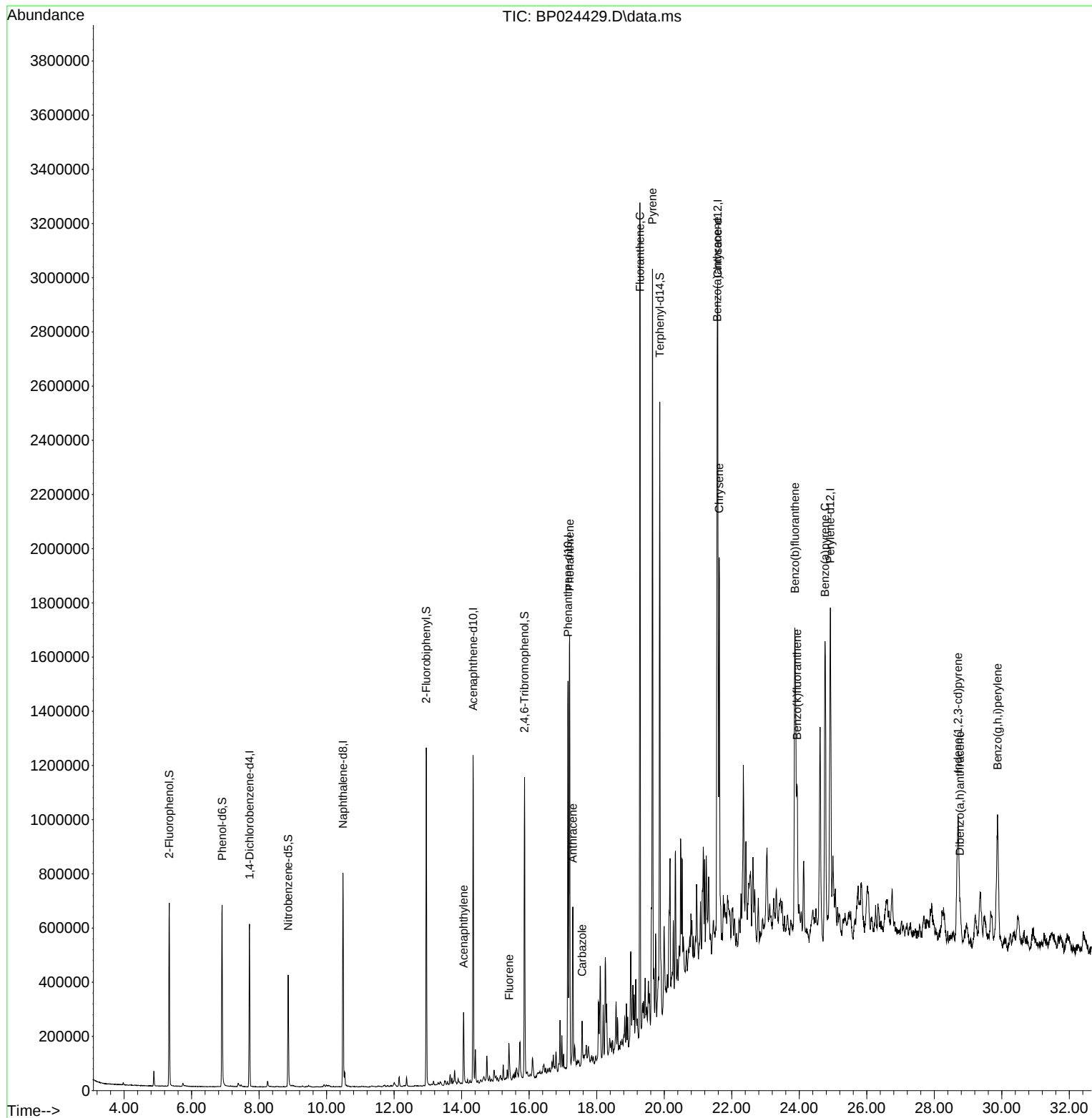
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
Data File : BP024429.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

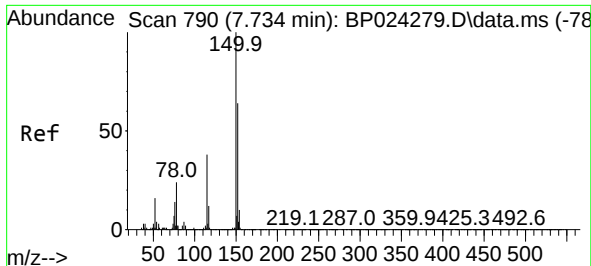
Instrument :
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Quant Time: Apr 25 22:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059

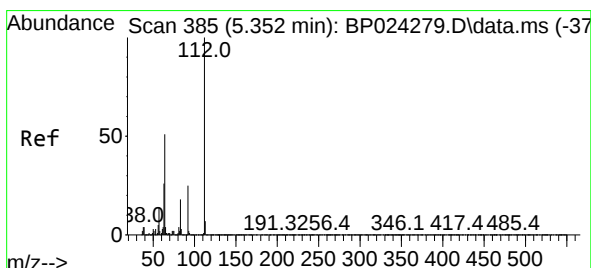
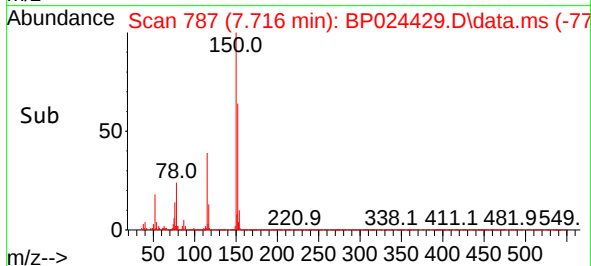
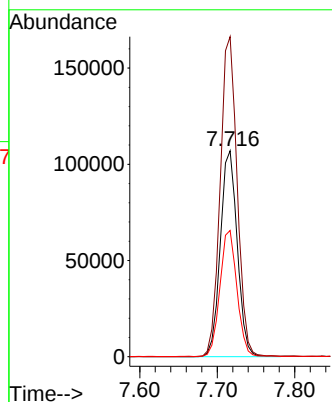
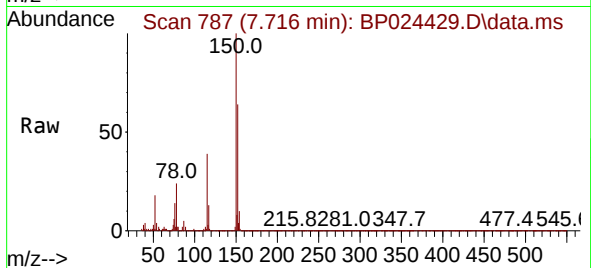
Tgt Ion:152 Resp: 162758
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 61.3 47.7 71.5

Manual Integrations

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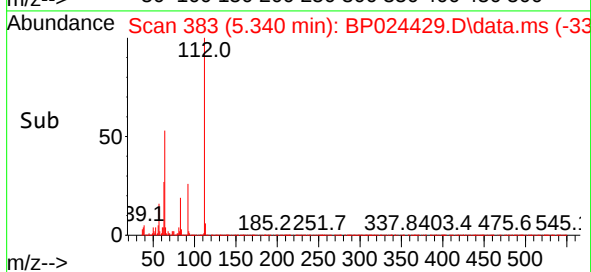
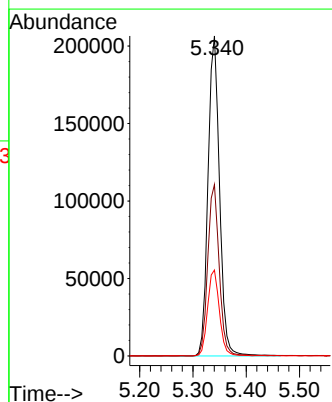
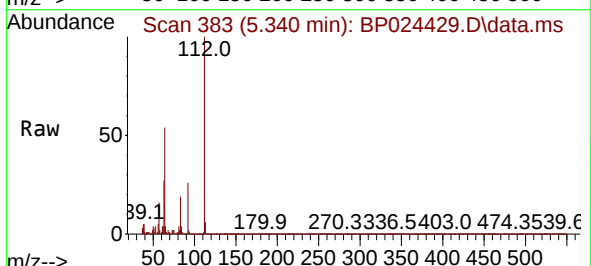
Reviewed By :Rahul Chavli 04/28/2025

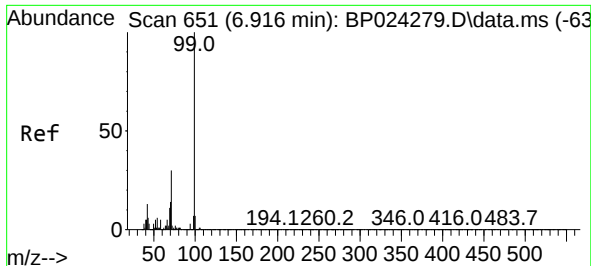
Supervised By :Jagrut Upadhyay 04/28/2025



#5
2-Fluorophenol
Concen: 31.412 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Tgt Ion:112 Resp: 309207
Ion Ratio Lower Upper
112 100
64 53.5 41.1 61.7
63 26.9 20.6 30.8





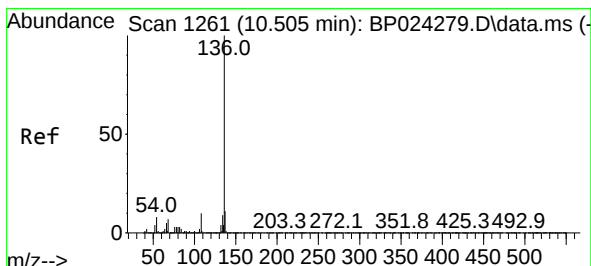
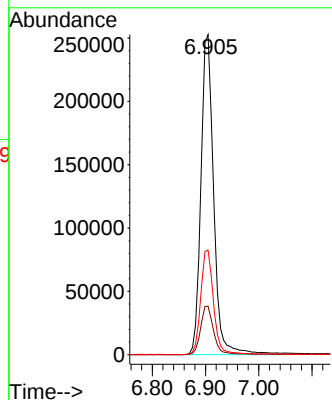
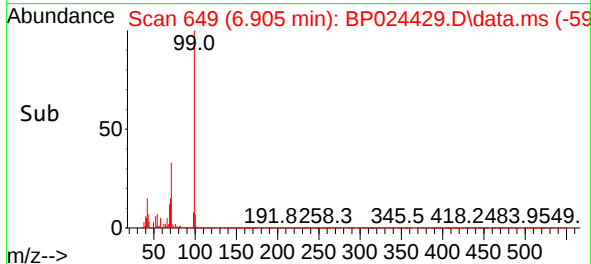
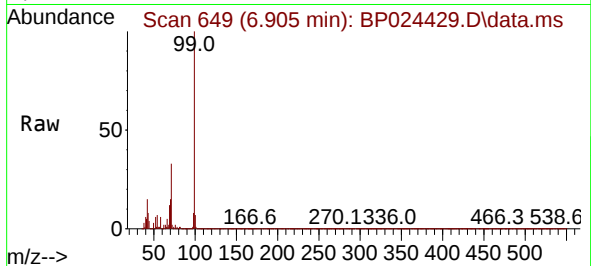
#7
Phenol-d6
Concen: 31.263 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tgt Ion: 99 Resp: 421375
Ion Ratio Lower Upper
99 100
42 15.2 10.6 16.0
71 32.7 23.7 35.5

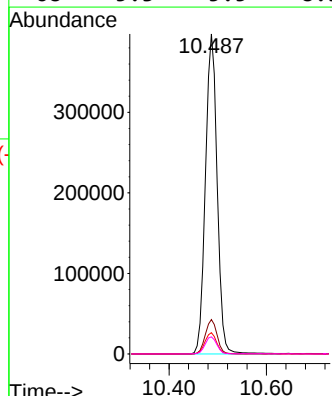
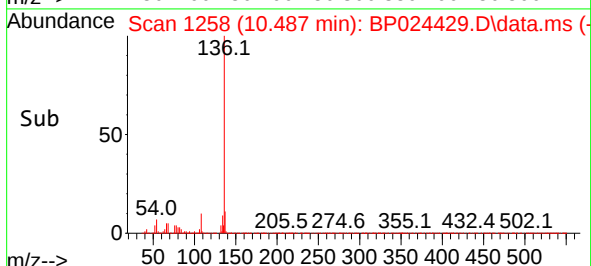
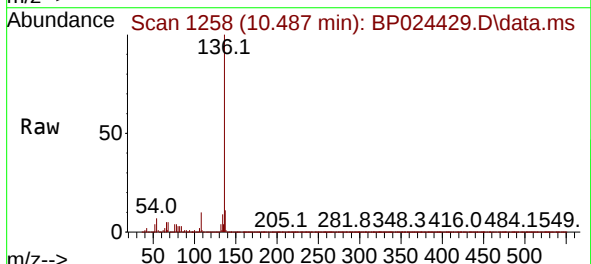
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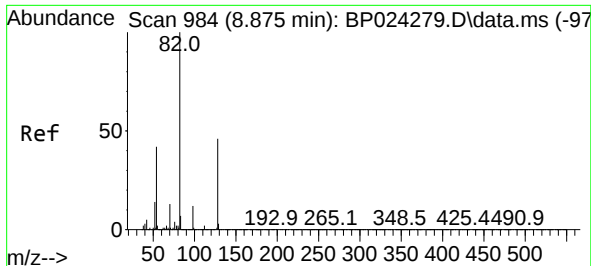
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

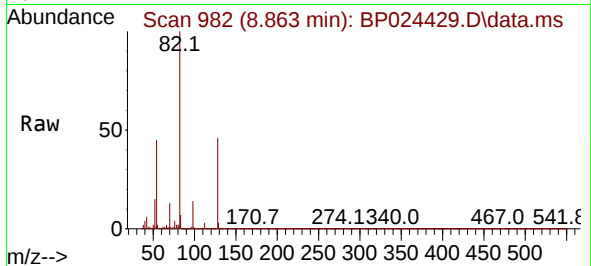
Tgt Ion:136 Resp: 660640
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.7 6.0 9.0
68 5.3 5.5 8.3#





#23
Nitrobenzene-d5
Concen: 20.767 ng
RT: 8.863 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

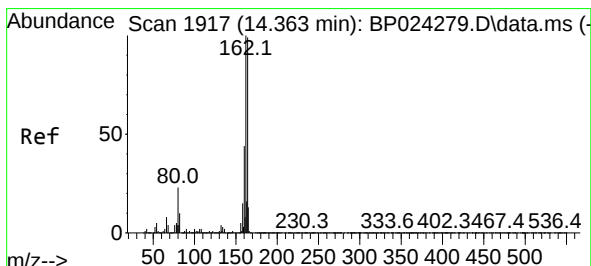
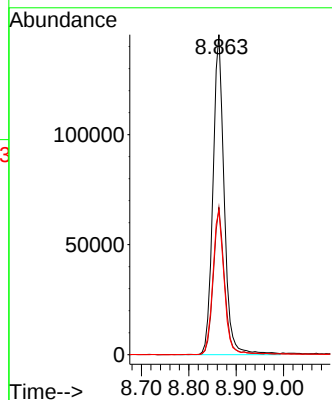
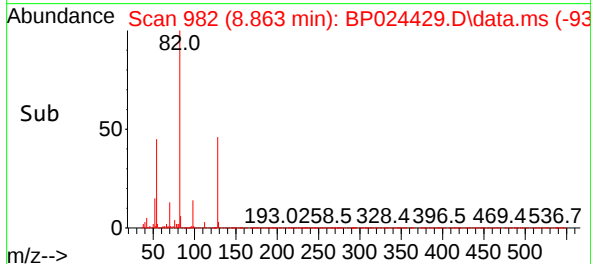
Instrument :
BNA_P
ClientSampleId :
RBR200059



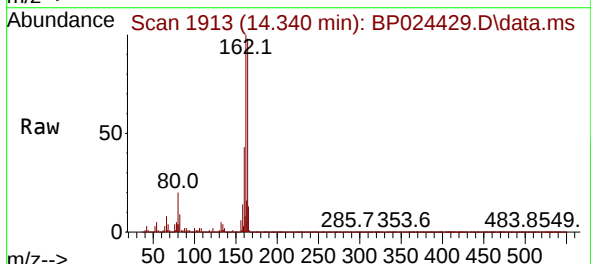
Tgt Ion: 82 Resp: 240600
Ion Ratio Lower Upper
82 100
128 46.0 36.5 54.7
54 45.0 33.4 50.2

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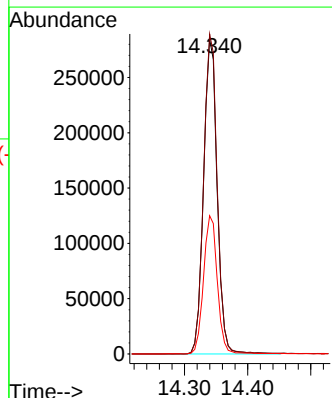
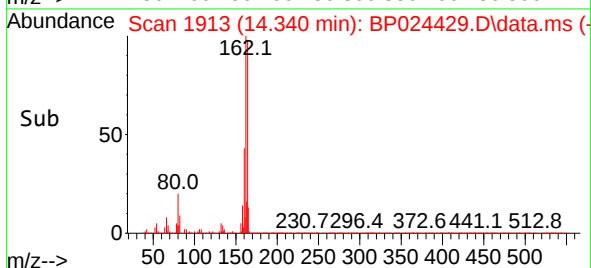
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025

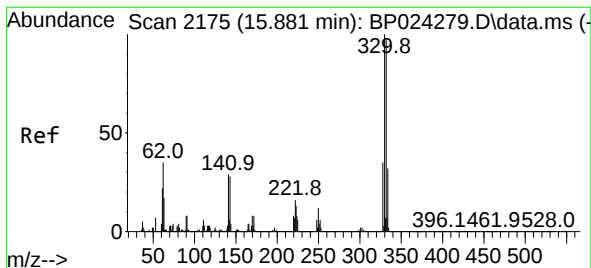


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13



Tgt Ion:164 Resp: 425421
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 43.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 39.891 ng

RT: 15.863 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BP024429.D

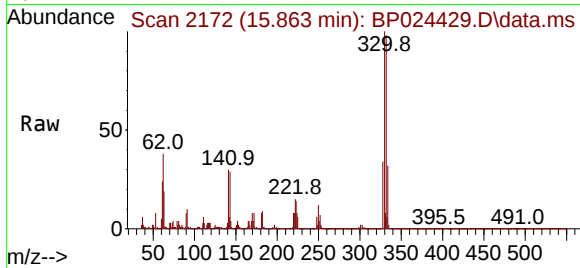
Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059



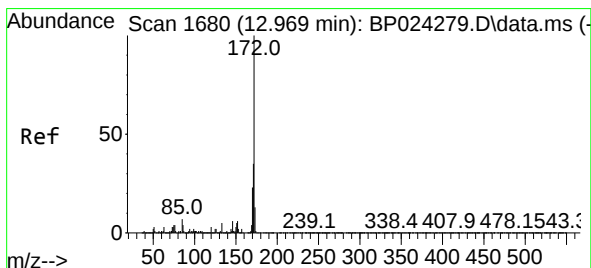
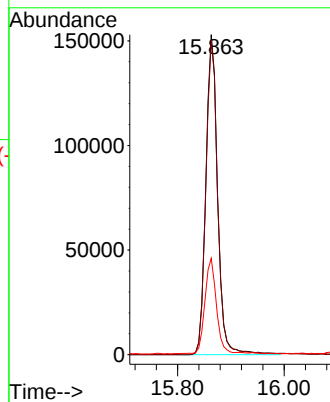
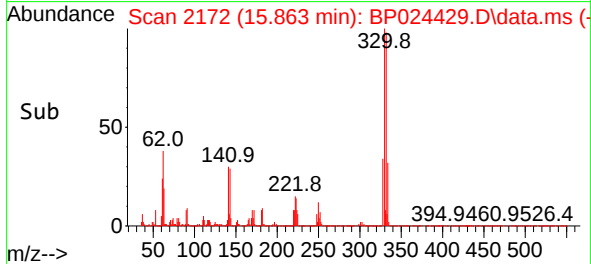
Tgt Ion:	330	Resp:	23479
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.1	115.7
141	29.5	24.7	37.1

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Supervised By :Jagrut Upadhyay 04/28/2025



#45

2-Fluorobiphenyl

Concen: 22.516 ng

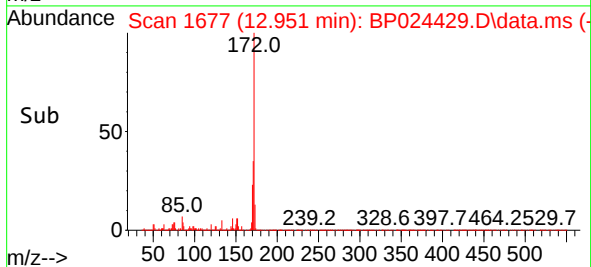
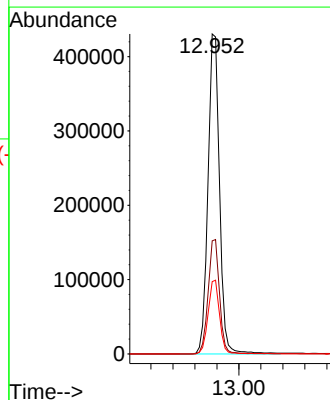
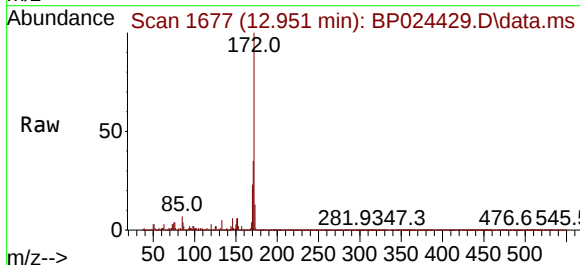
RT: 12.951 min Scan# 1677

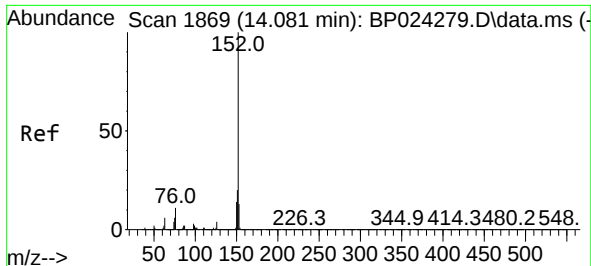
Delta R.T. -0.012 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

Tgt Ion:	172	Resp:	625613
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.2	42.2
170	22.6	18.6	27.8





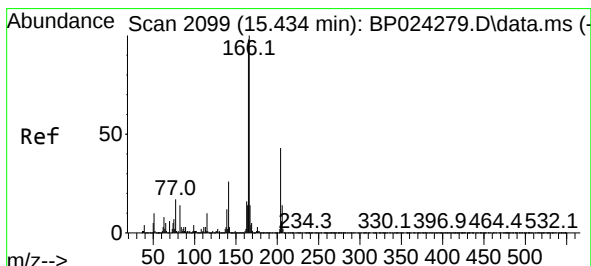
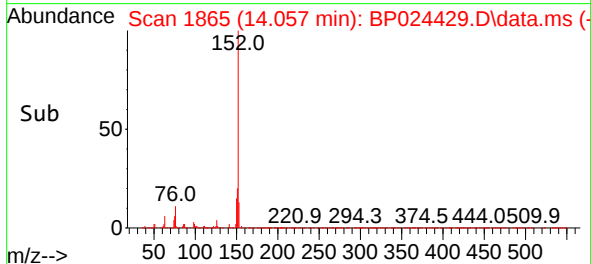
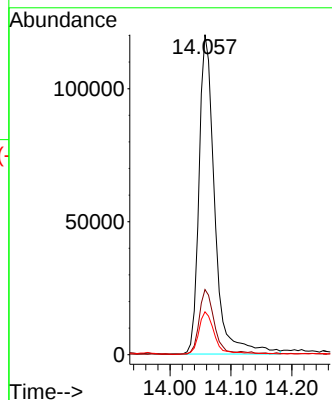
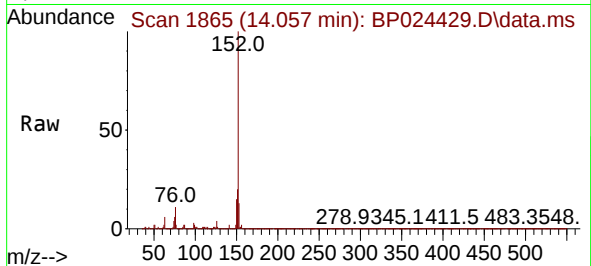
#49
Acenaphthylene
Concen: 5.857 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tgt Ion:152 Resp: 21550
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.4 10.6 15.8

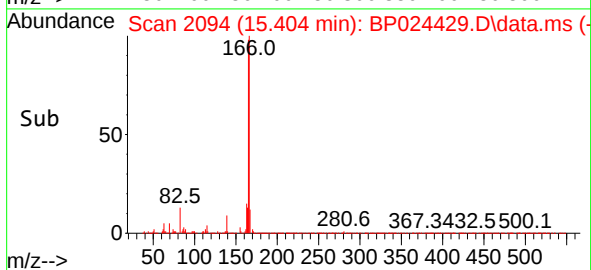
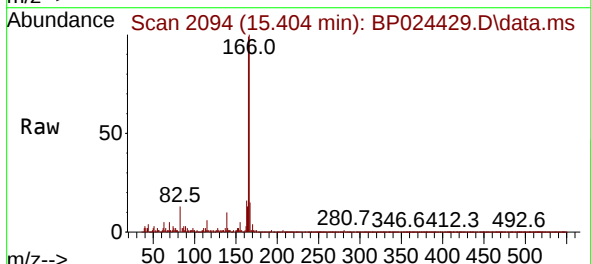
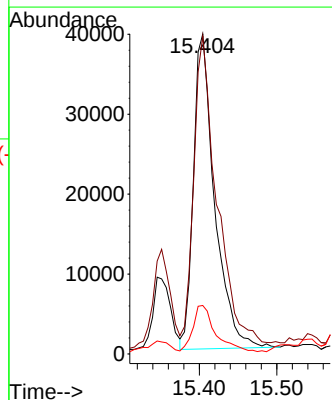
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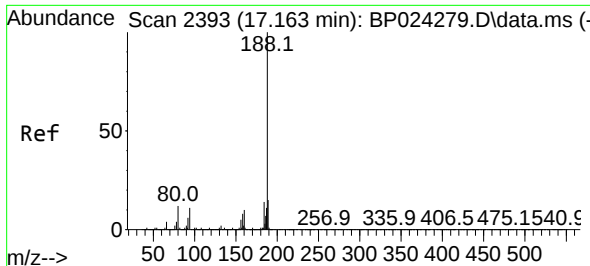
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#58
Fluorene
Concen: 2.535 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Tgt Ion:166 Resp: 74836
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 15.1 10.9 16.3





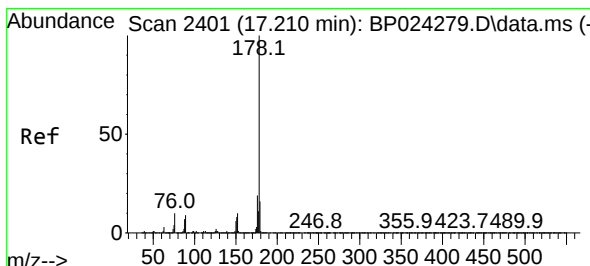
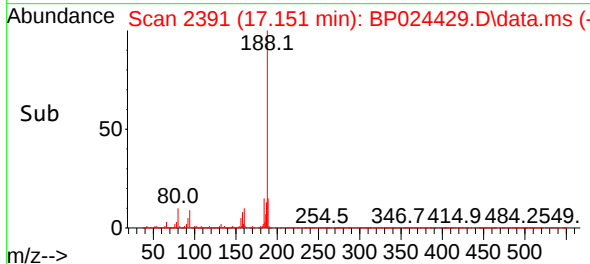
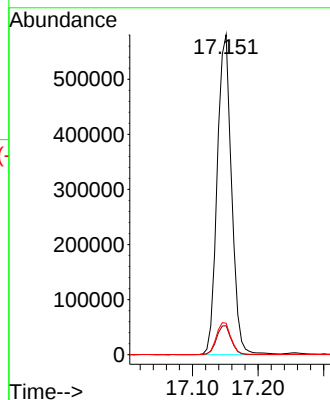
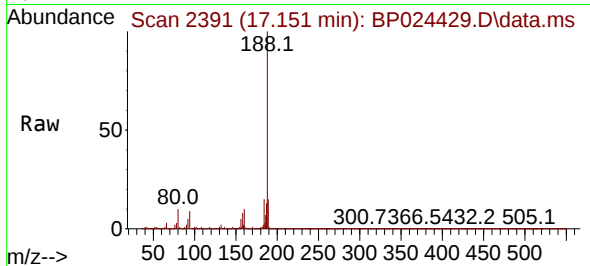
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tgt Ion:188 Resp: 87826
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 9.9 9.8 14.6

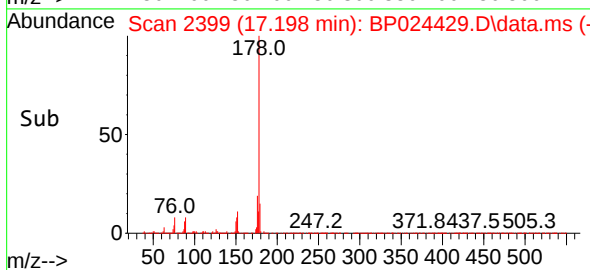
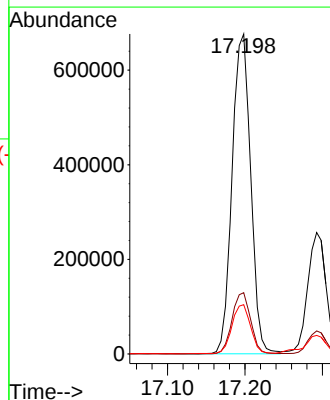
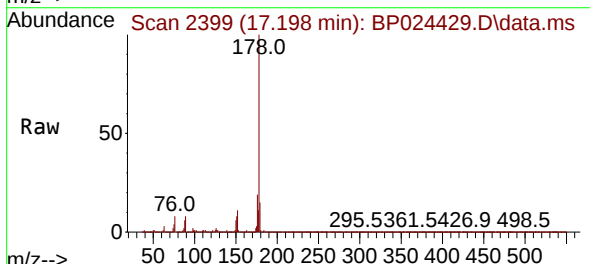
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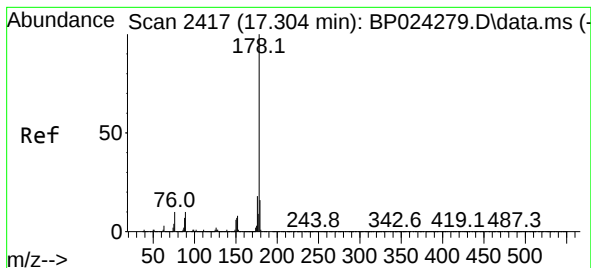
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#71
Phenanthrene
Concen: 23.553 ng
RT: 17.198 min Scan# 2399
Delta R.T. 0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Tgt Ion:178 Resp: 1128470
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.5 18.7





#72

Anthracene

Concen: 8.839 ng

RT: 17.292 min Scan# 2415

Delta R.T. 0.006 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059

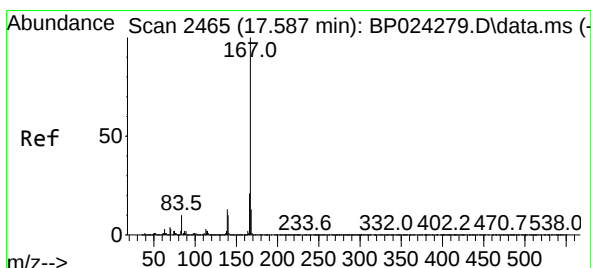
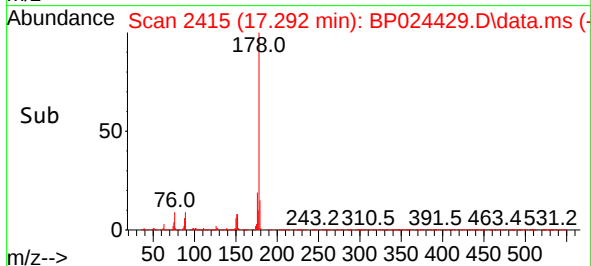
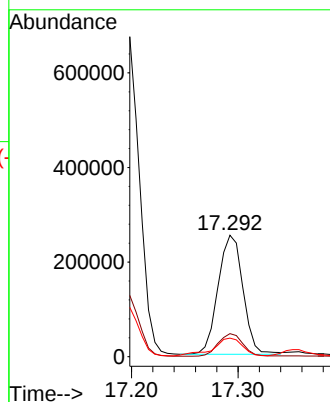
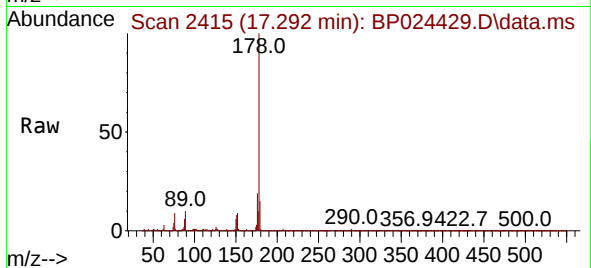
Tgt Ion:178 Resp: 408150
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.7 22.1
 179 15.3 12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2025



#73

Carbazole

Concen: 2.414 ng

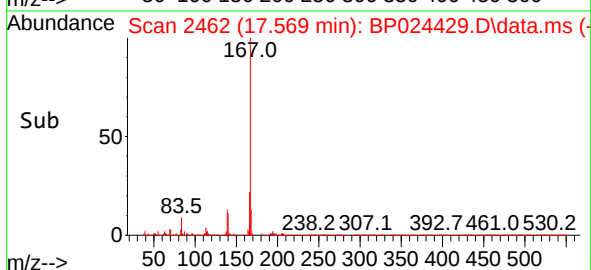
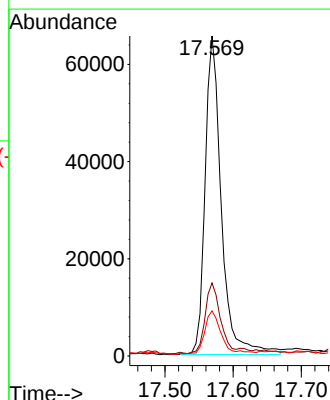
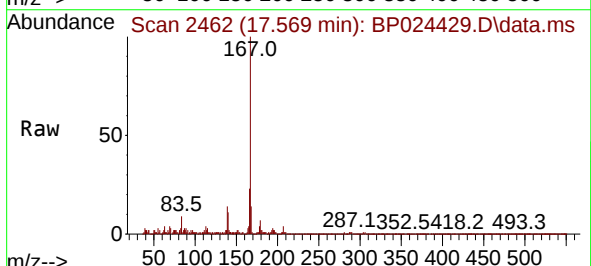
RT: 17.569 min Scan# 2462

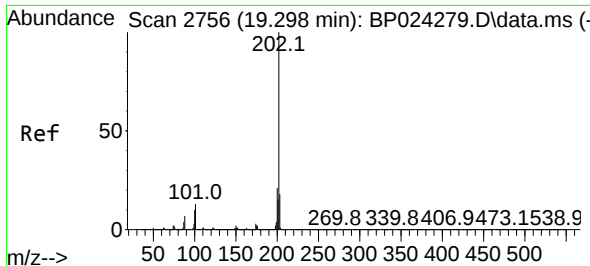
Delta R.T. 0.000 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

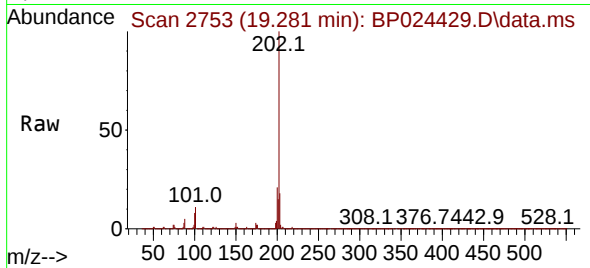
Tgt Ion:167 Resp: 108899
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.1 25.7
 139 14.1 10.6 16.0





#75
Fluoranthene
Concen: 30.634 ng
RT: 19.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

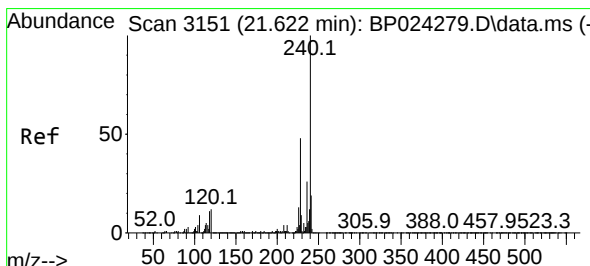
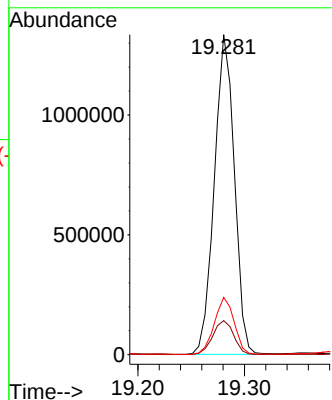
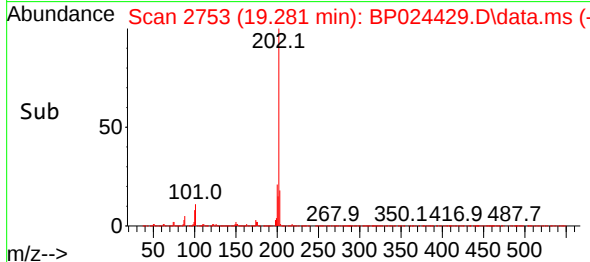
Instrument :
BNA_P
ClientSampleId :
RBR200059



Tgt Ion:202 Resp: 1745639
Ion Ratio Lower Upper
202 100
101 10.7 0.0 33.2
203 17.9 0.0 37.7

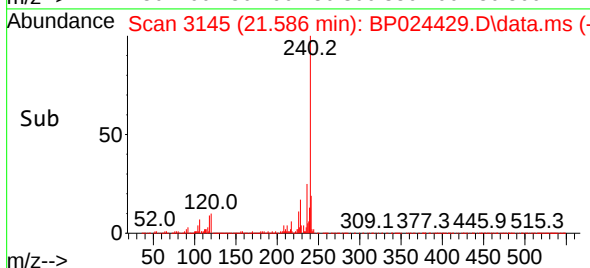
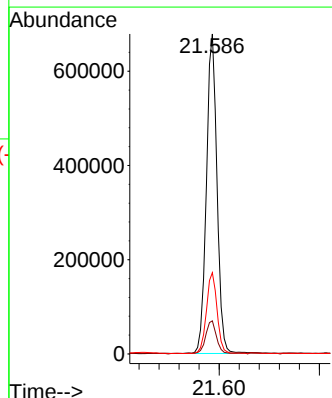
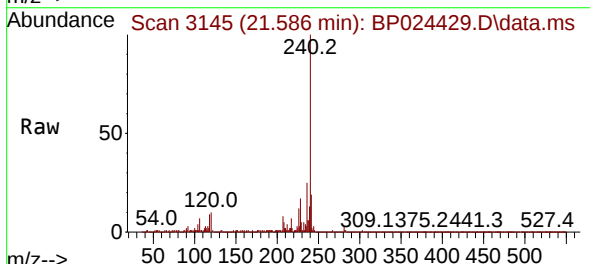
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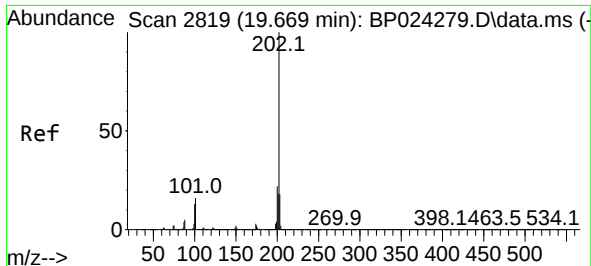
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

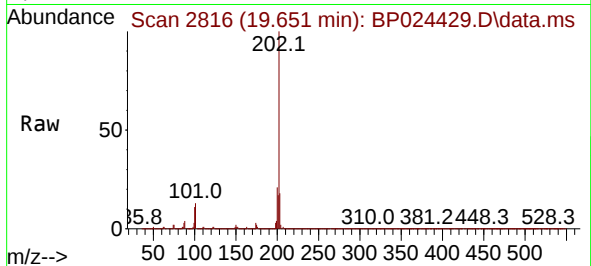
Tgt Ion:240 Resp: 996657
Ion Ratio Lower Upper
240 100
120 10.3 9.8 14.8
236 25.4 20.9 31.3





#78
Pyrene
Concen: 27.344 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

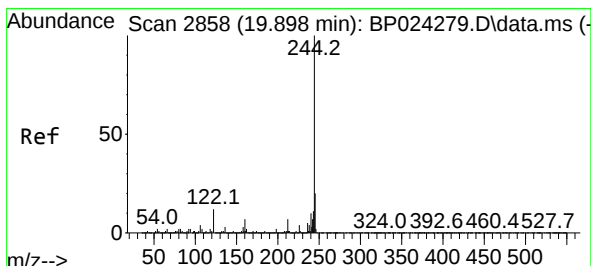
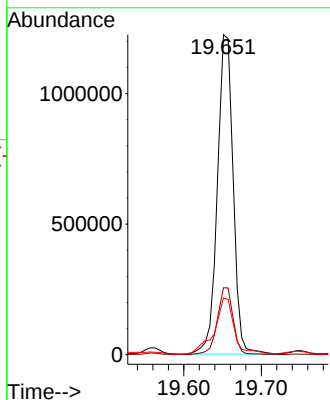
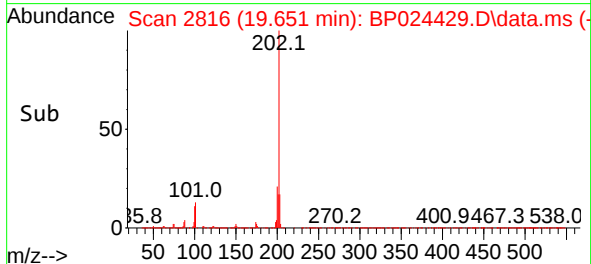
Instrument :
BNA_P
ClientSampleId :
RBR200059



Tgt Ion:202 Resp: 1731939
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.8 14.4 21.6

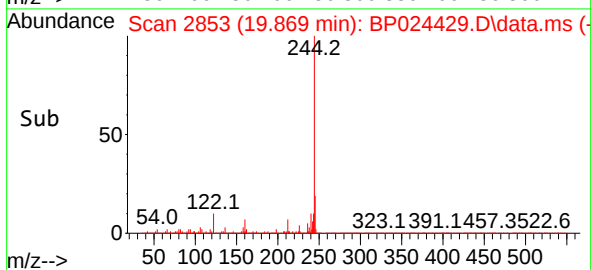
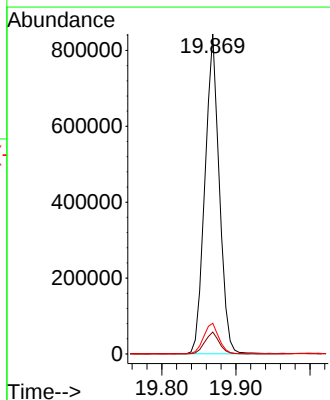
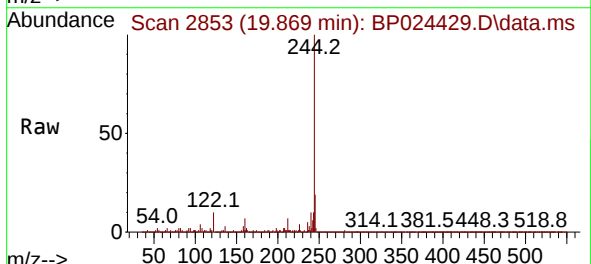
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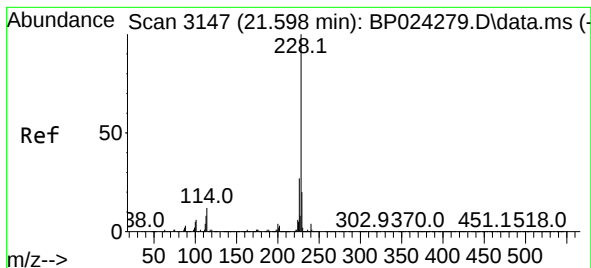
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#79
Terphenyl-d14
Concen: 22.960 ng
RT: 19.869 min Scan# 2853
Delta R.T. -0.006 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Tgt Ion:244 Resp: 1135273
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 9.6 9.4 14.0





#81

Benzo(a)anthracene

Concen: 17.818 ng

RT: 21.569 min Scan# 3142

Delta R.T. 0.000 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059

Tgt Ion:228 Resp: 110378

Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

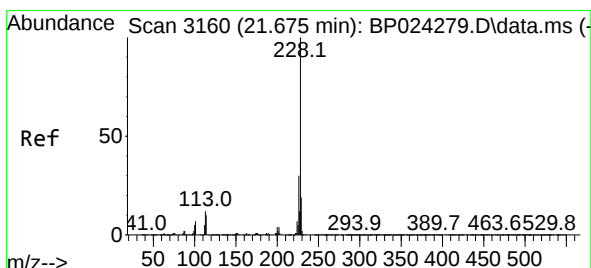
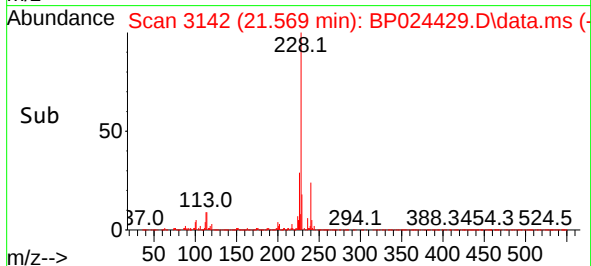
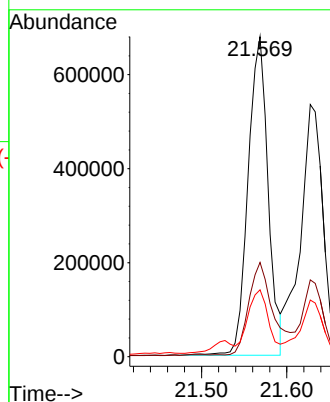
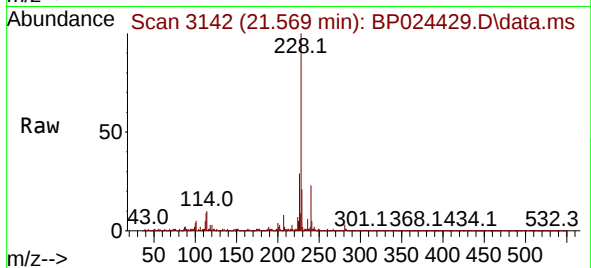
229 20.9 15.9 23.9

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Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#83

Chrysene

Concen: 16.724 ng

RT: 21.628 min Scan# 3152

Delta R.T. -0.012 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

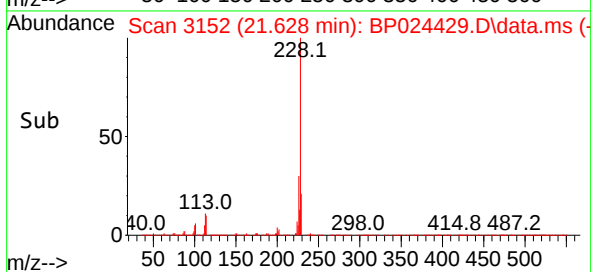
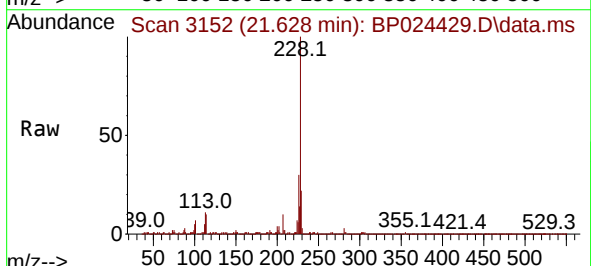
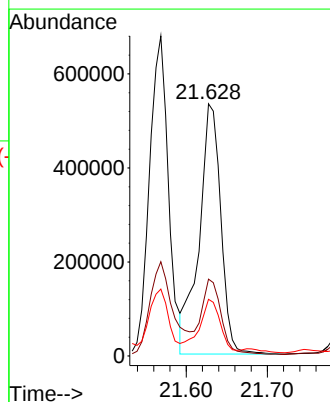
Tgt Ion:228 Resp: 992537

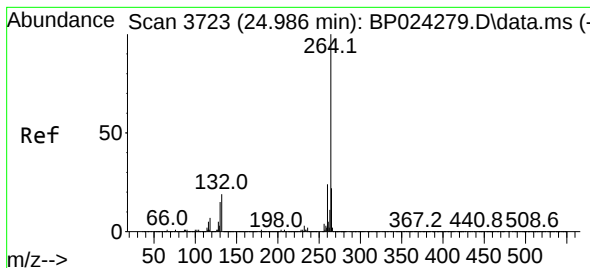
Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.921 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059

Tgt Ion:264 Resp: 118986

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

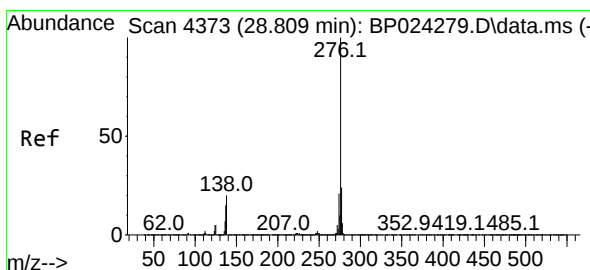
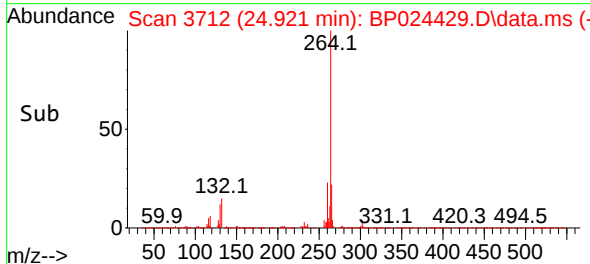
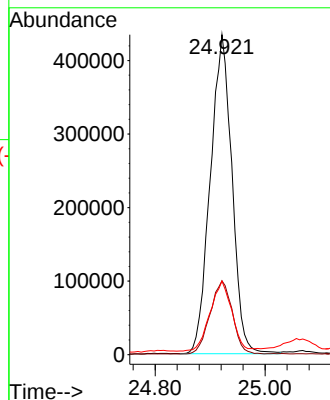
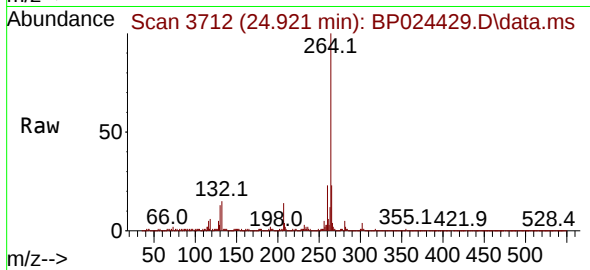
265 23.0 17.8 26.6

Manual Integrations

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Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.787 ng

RT: 28.704 min Scan# 4355

Delta R.T. -0.035 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

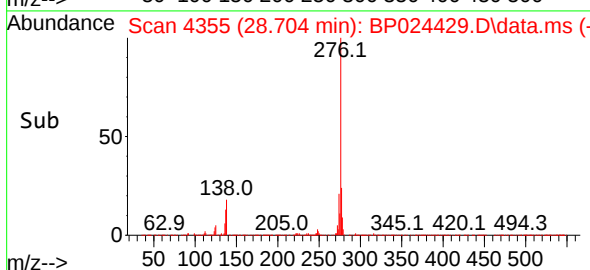
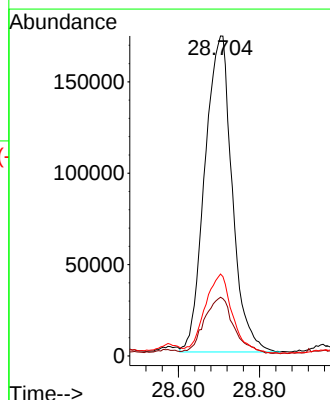
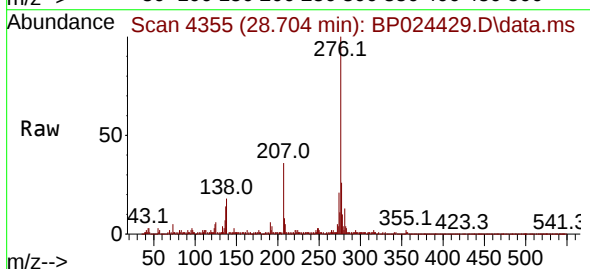
Tgt Ion:276 Resp: 808488

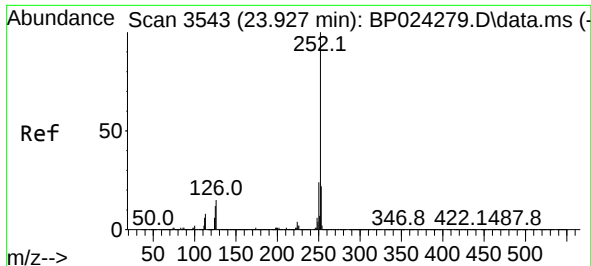
Ion Ratio Lower Upper

276 100

138 19.1 14.5 21.7

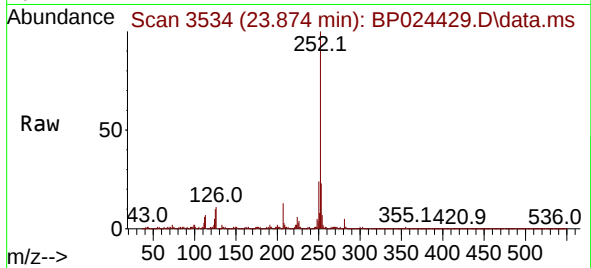
277 25.4 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 19.689 ng
RT: 23.874 min Scan# 3543
Delta R.T. -0.012 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

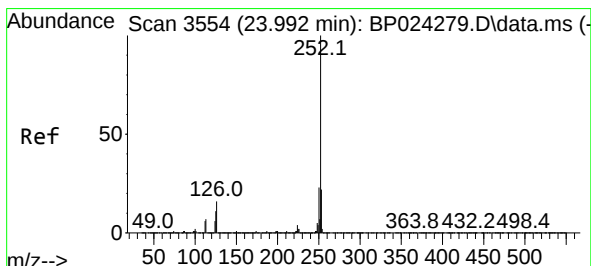
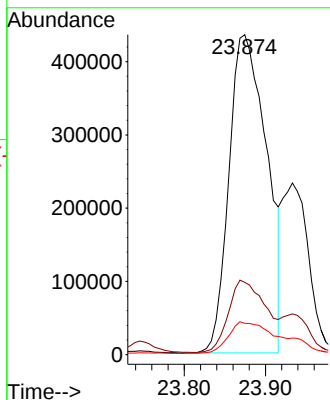
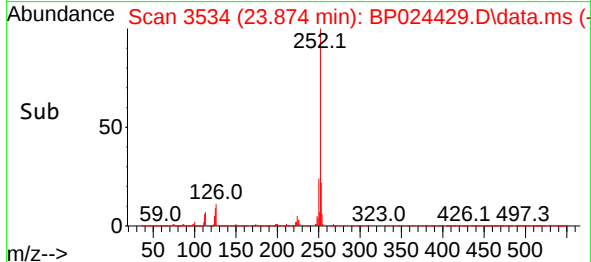
Instrument :
BNA_P
ClientSampleId :
RBR200059



Tgt Ion:252 Resp: 1404234
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.8 9.4 14.0

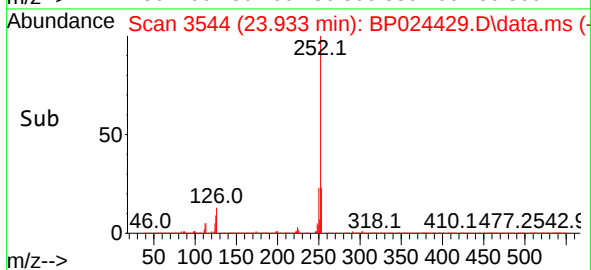
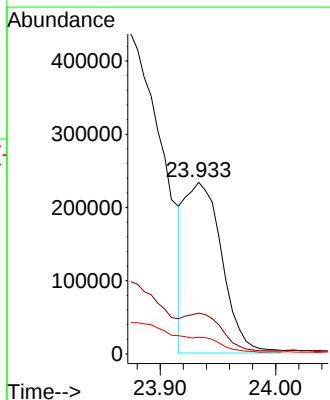
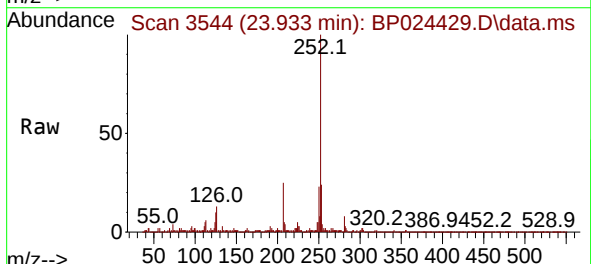
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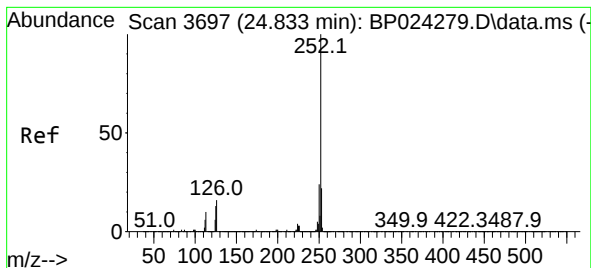
Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025



#89
Benzo(k)fluoranthene
Concen: 7.611 ng m
RT: 23.933 min Scan# 3544
Delta R.T. -0.023 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Tgt Ion:252 Resp: 524333
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 9.7 9.1 13.7





#90

Benzo(a)pyrene

Concen: 19.080 ng

RT: 24.763 min Scan# 3

Delta R.T. -0.017 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

Instrument :

BNA_P

ClientSampleId :

RBR200059

Tgt Ion:252 Resp: 117385

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

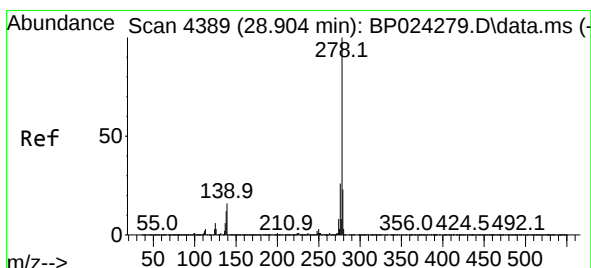
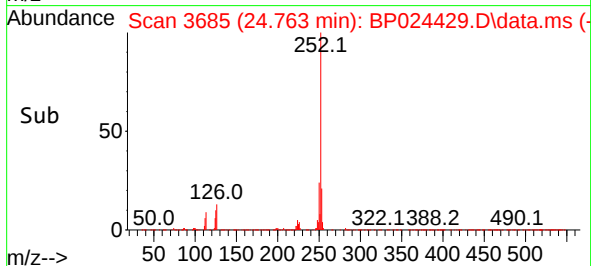
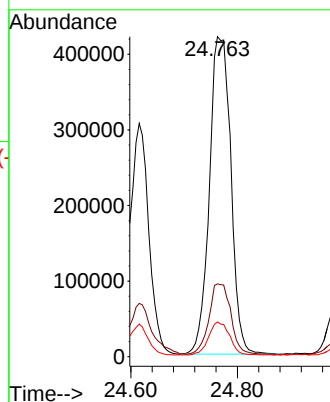
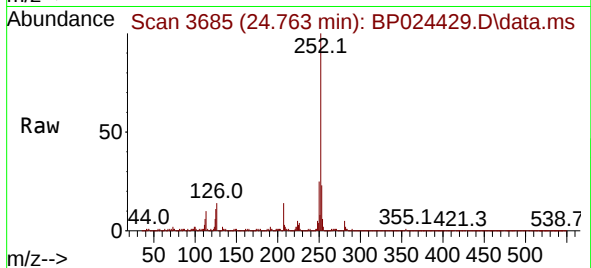
125 10.9 10.1 15.1

Manual Integrations

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Reviewed By :Rahul Chavli 04/28/2025

Supervised By :Jagrut Upadhyay 04/28/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.122 ng

RT: 28.762 min Scan# 4365

Delta R.T. -0.041 min

Lab File: BP024429.D

Acq: 25 Apr 2025 19:13

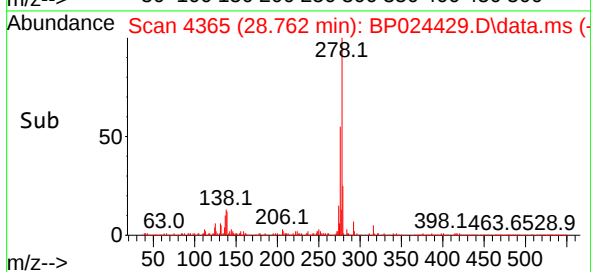
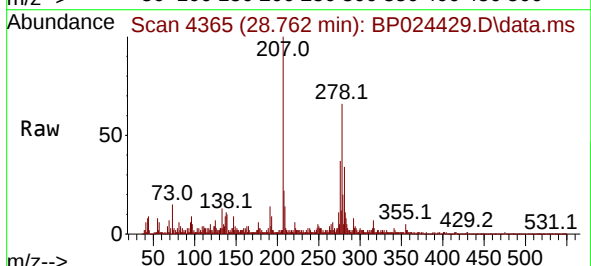
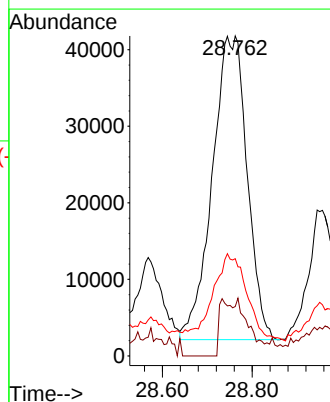
Tgt Ion:278 Resp: 214049

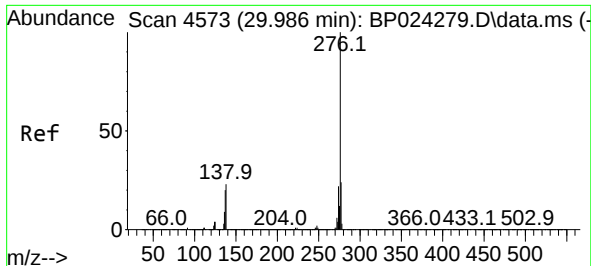
Ion Ratio Lower Upper

278 100

139 15.4 12.6 19.0

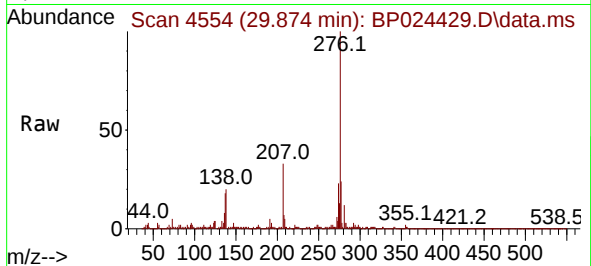
279 30.4 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 12.018 ng
RT: 29.874 min Scan# 4554
Delta R.T. -0.023 min
Lab File: BP024429.D
Acq: 25 Apr 2025 19:13

Instrument :
BNA_P
ClientSampleId :
RBR200059



Tgt Ion: 276 Resp: 83871
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 20.3 18.7 28.1

Manual Integrations
APPROVED

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

