

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024898.D
 Acq On : 10 Jun 2025 17:49
 Operator : RC/JU
 Sample : Q2246-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-03-060525

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 10 18:38:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	235815	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	955835	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	617371	20.000	ng	0.01
64) Phenanthrene-d10	17.066	188	1160216	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1104422	20.000	ng	0.01
86) Perylene-d12	24.765	264	1317865	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1577762	111.681	ng	0.00
7) Phenol-d6	6.813	99	2282826	122.128	ng	0.00
23) Nitrobenzene-d5	8.755	82	1466686	74.564	ng	0.00
42) 2,4,6-Tribromophenol	15.789	330	360969	42.290	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3582822	78.178	ng	0.00
79) Terphenyl-d14	19.795	244	5089838	82.598	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.978	152	160234	2.787	ng	96
71) Phenanthrene	17.107	178	976767	15.235	ng	99
72) Anthracene	17.207	178	265233	4.085	ng	99
75) Fluoranthene	19.195	202	1008373	13.569	ng	99
78) Pyrene	19.577	202	1324970	19.203	ng	100
81) Benzo(a)anthracene	21.477	228	585876	8.294	ng	94
83) Chrysene	21.548	228	601356	8.985	ng	96
87) Indeno(1,2,3-cd)pyrene	28.453	276	399866	4.159	ng	96
88) Benzo(b)fluoranthene	23.736	252	704481	9.341	ng	# 93
89) Benzo(k)fluoranthene	23.795	252	247467m	3.223	ng	
90) Benzo(a)pyrene	24.613	252	628351	8.531	ng	96
92) Benzo(g,h,i)perylene	29.612	276	471465m	6.071	ng	

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

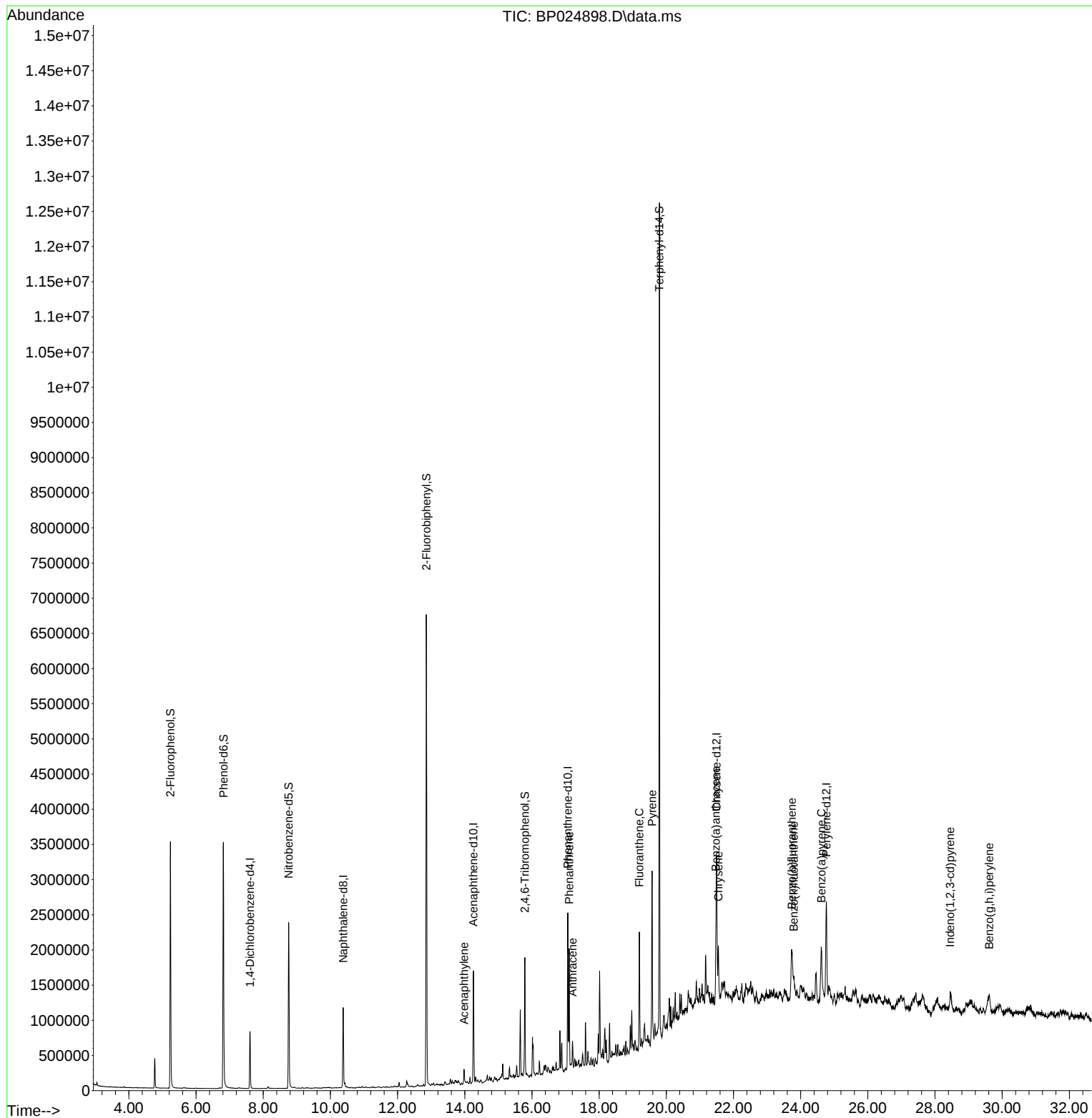
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024898.D
Acq On : 10 Jun 2025 17:49
Operator : RC/JU
Sample : Q2246-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

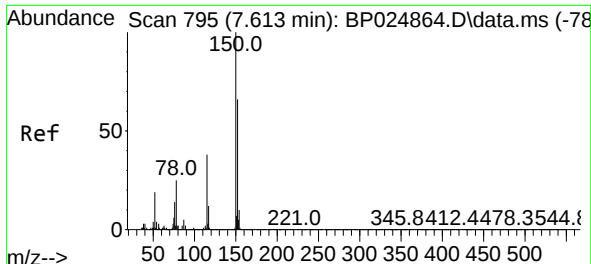
Instrument :
BNA_P
ClientSampleId :
BU-03-060525

Quant Time: Jun 10 18:38:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

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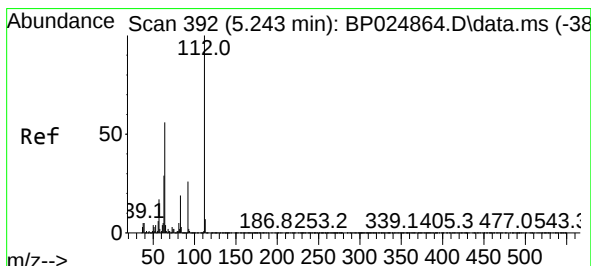
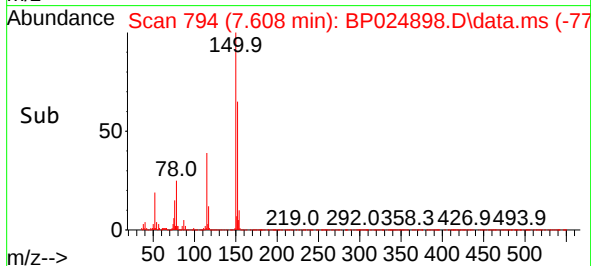
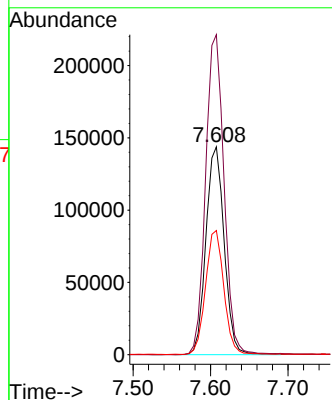
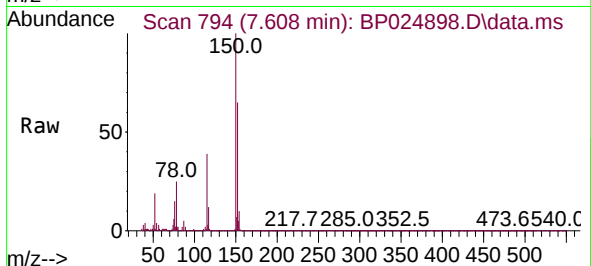
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :
BNA_P
ClientSampleId :
BU-03-060525

Tgt Ion:152 Resp: 235815
Ion Ratio Lower Upper
152 100
150 154.0 122.1 183.1
115 59.8 46.4 69.6

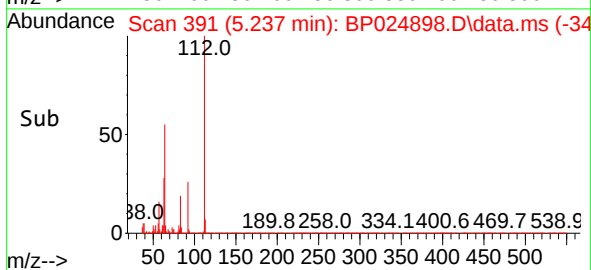
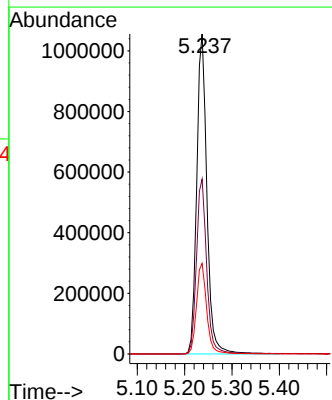
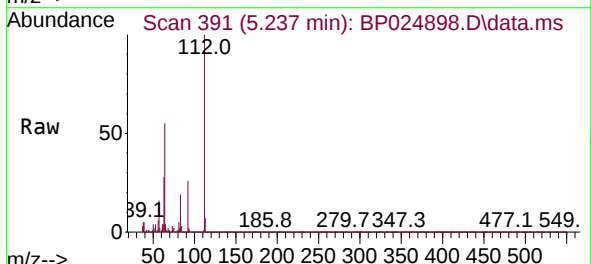
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#5
2-Fluorophenol
Concen: 111.681 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

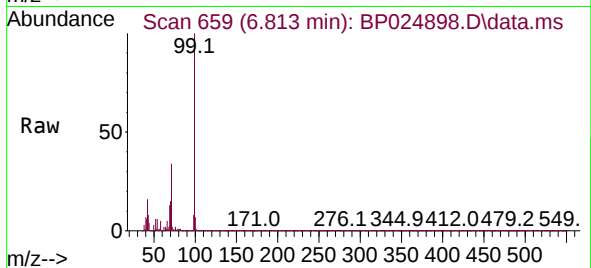
Tgt Ion:112 Resp: 1577762
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.3 23.5 35.3





#7
Phenol-d6
Concen: 122.128 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

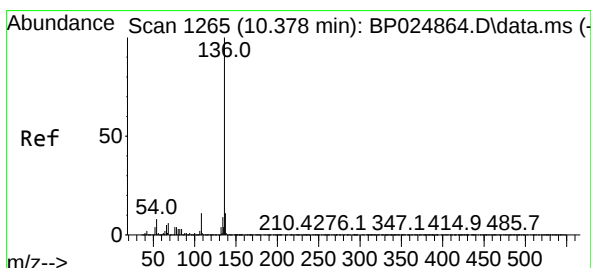
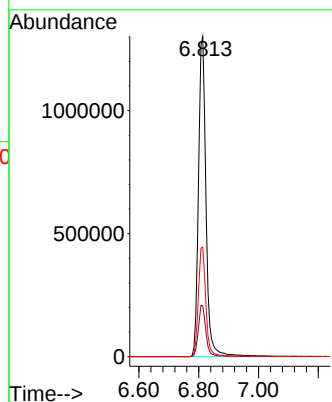
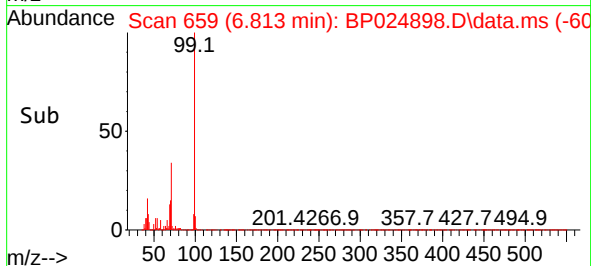
Instrument :
BNA_P
ClientSampleId :
BU-03-060525



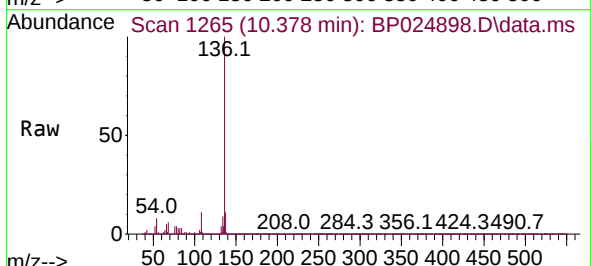
Tgt Ion: 99 Resp: 2282820
Ion Ratio Lower Upper
99 100
42 15.9 13.4 20.2
71 34.2 27.6 41.4

Manual Integrations
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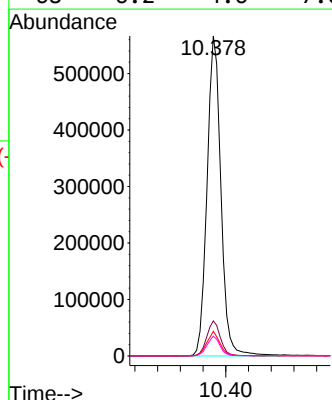
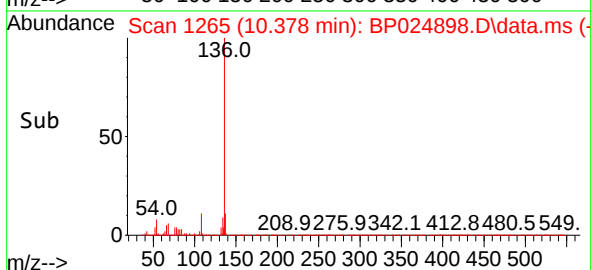
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49



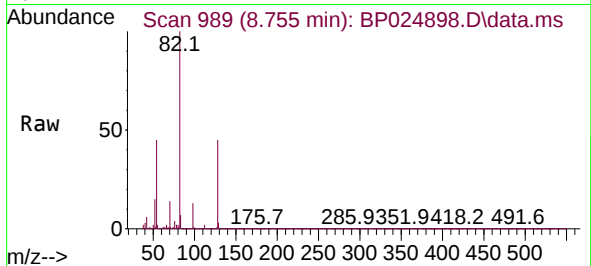
Tgt Ion:136 Resp: 955835
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 6.1 9.1
68 6.2 4.6 7.0





#23
Nitrobenzene-d5
Concen: 74.564 ng
RT: 8.755 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

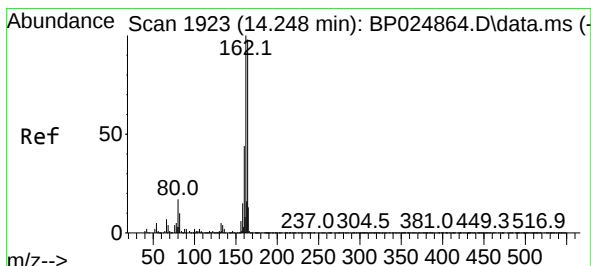
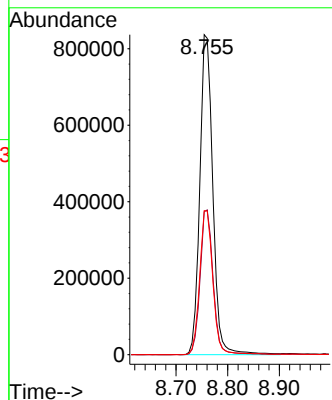
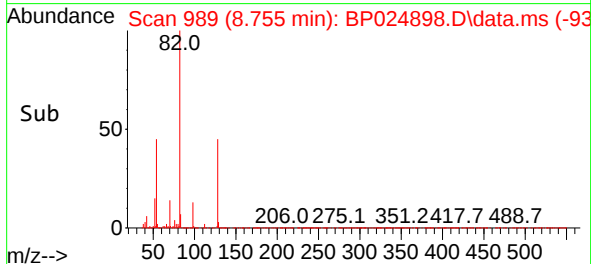
Instrument :
BNA_P
ClientSampleId :
BU-03-060525



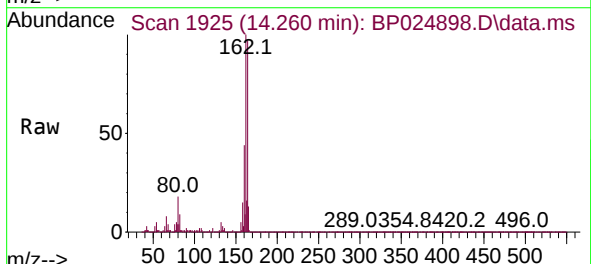
Tgt Ion: 82 Resp: 1466680
Ion Ratio Lower Upper
82 100
128 44.6 35.3 52.9
54 45.0 37.4 56.0

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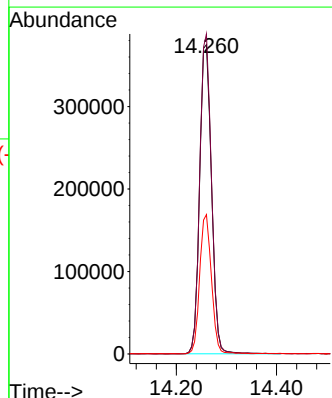
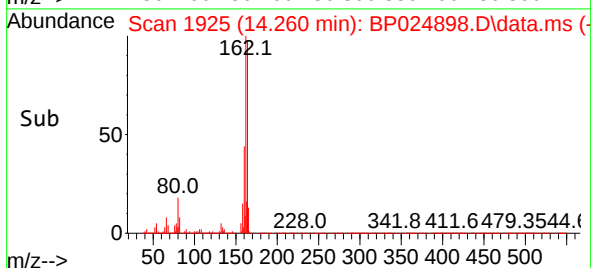
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

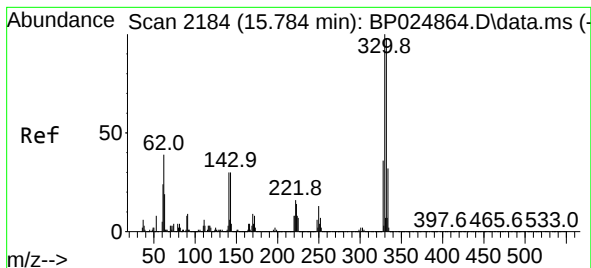


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49



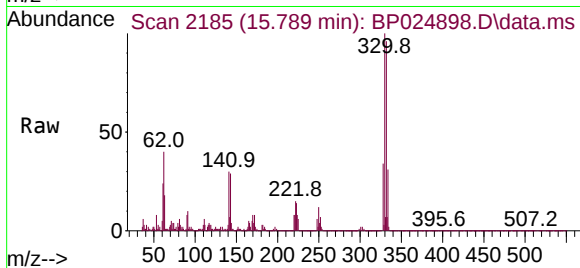
Tgt Ion:164 Resp: 617371
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 45.1 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 42.290 ng
RT: 15.789 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

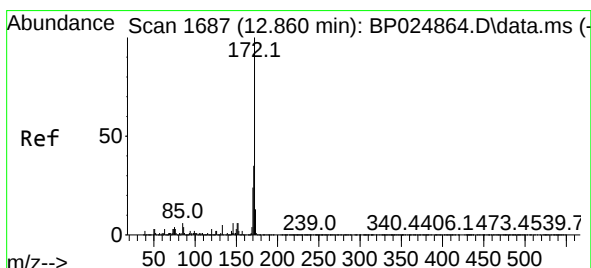
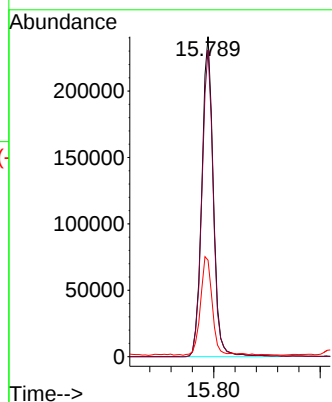
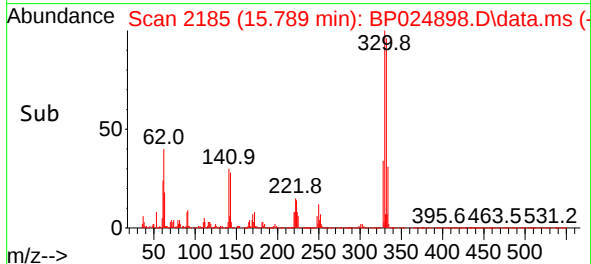
Instrument :
BNA_P
ClientSampleId :
BU-03-060525



Tgt Ion:330 Resp: 360969
Ion Ratio Lower Upper
330 100
332 95.7 77.7 116.5
141 31.8 26.4 39.6

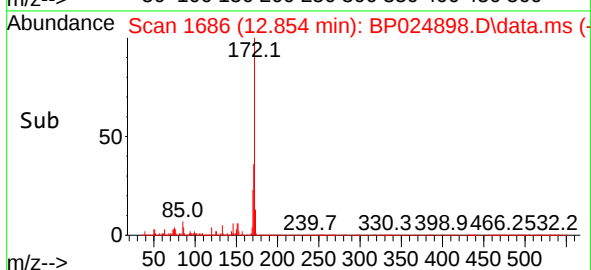
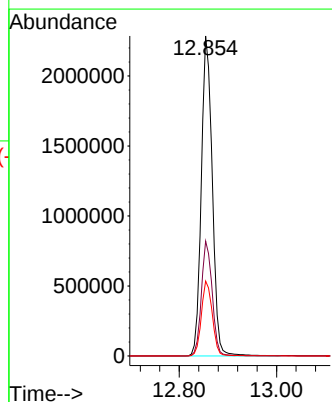
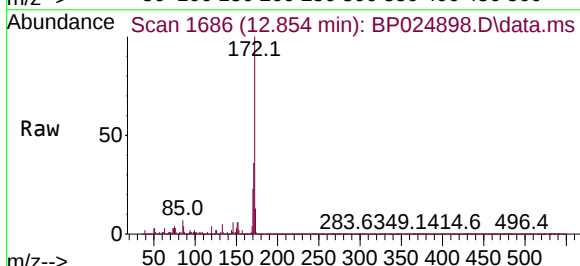
Manual Integrations
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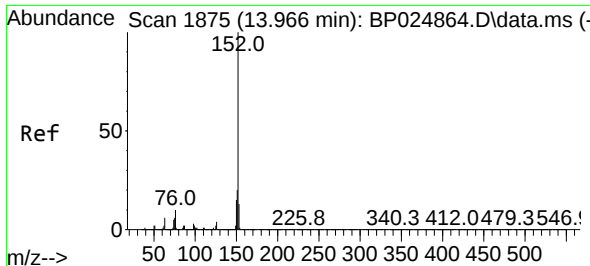
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#45
2-Fluorobiphenyl
Concen: 78.178 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:172 Resp: 3582822
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.4 19.0 28.4





#49
Acenaphthylene
Concen: 2.787 ng
RT: 13.978 min Scan# 1877
Delta R.T. 0.012 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :

BNA_P

ClientSampleId :

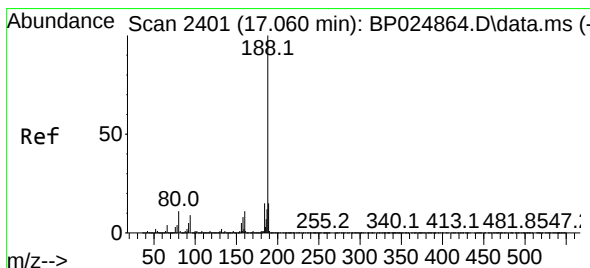
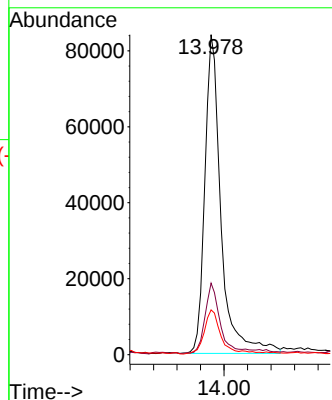
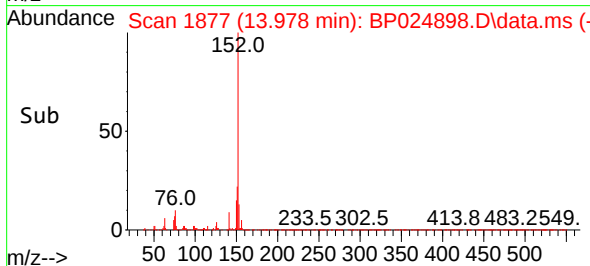
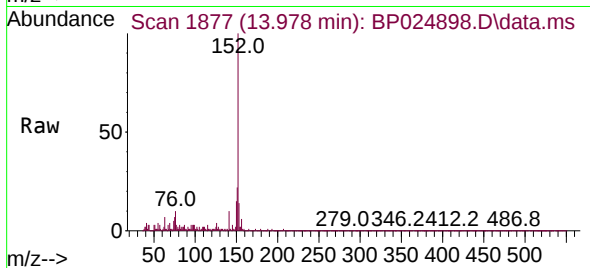
BU-03-060525

Tgt Ion:152 Resp: 160234
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.2
153 14.0 10.6 15.8

Manual Integrations

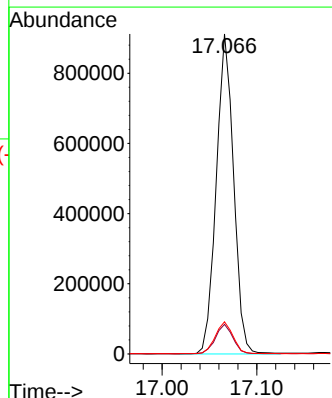
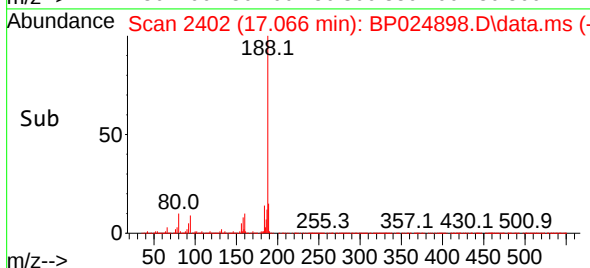
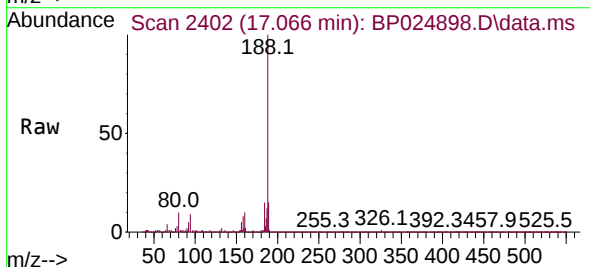
APPROVED

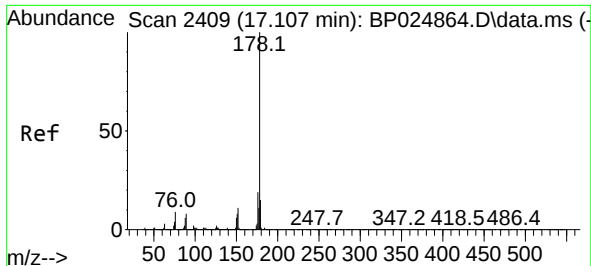
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:188 Resp: 1160216
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.1 8.5 12.7





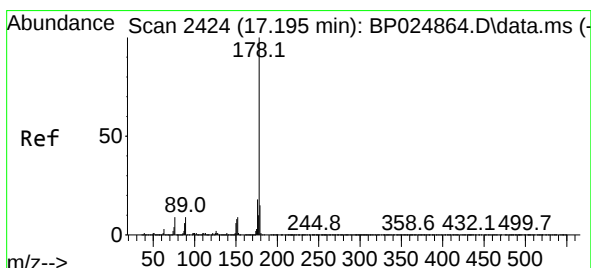
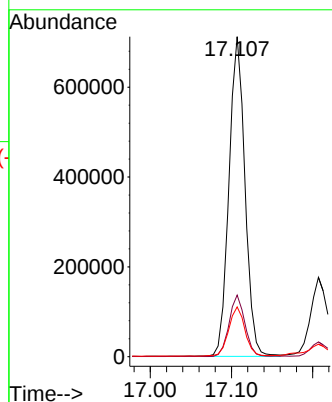
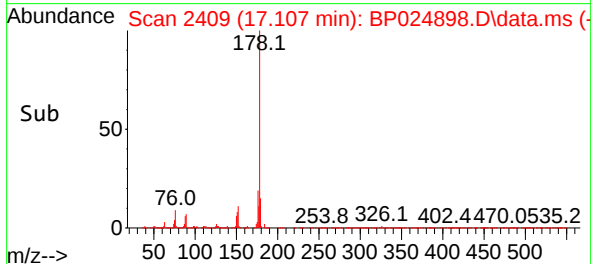
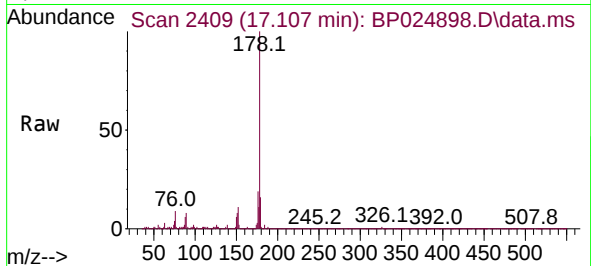
#71
Phenanthrene
Concen: 15.235 ng
RT: 17.107 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :
BNA_P
ClientSampleId :
BU-03-060525

Tgt Ion:178 Resp: 97676
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.1 18.1

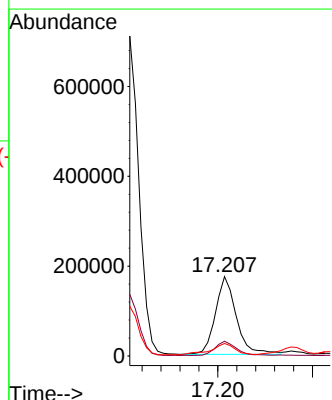
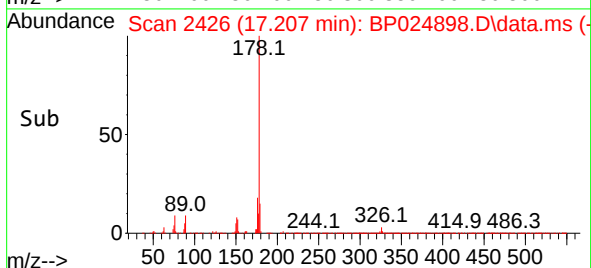
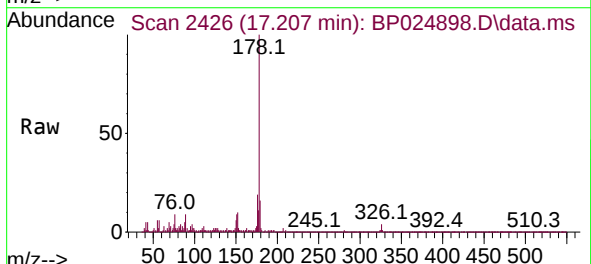
Manual Integrations
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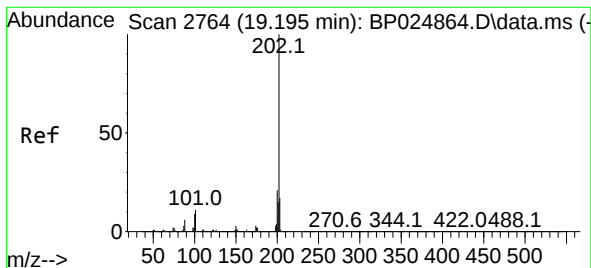
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#72
Anthracene
Concen: 4.085 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.012 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:178 Resp: 265233
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.8 12.3 18.5





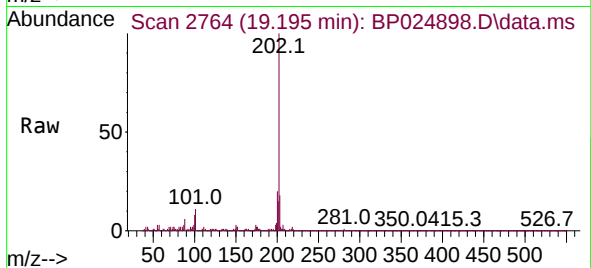
#75
Fluoranthene
Concen: 13.569 ng
RT: 19.195 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :

BNA_P

ClientSampleId :

BU-03-060525

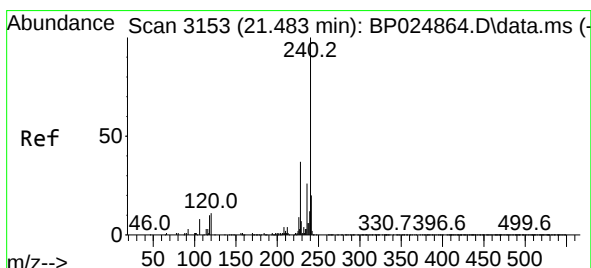
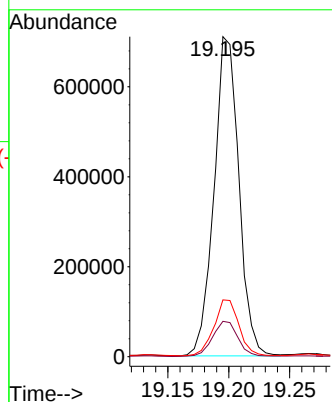
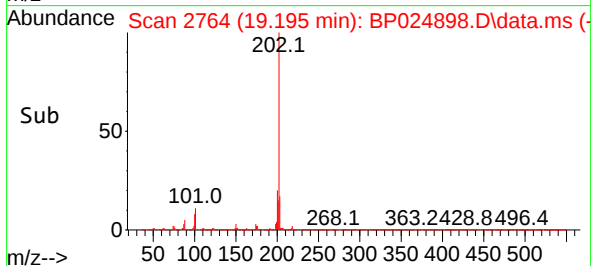


Tgt Ion:202 Resp: 100837
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 17.7 0.0 37.5

Manual Integrations

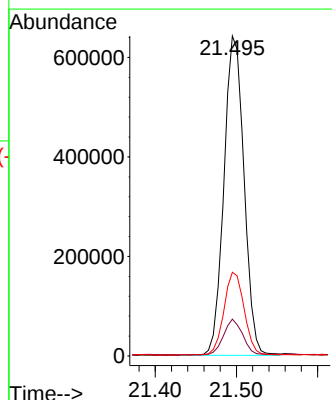
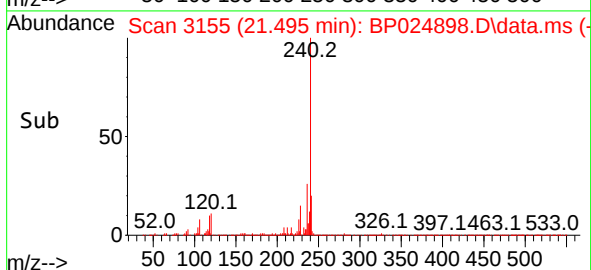
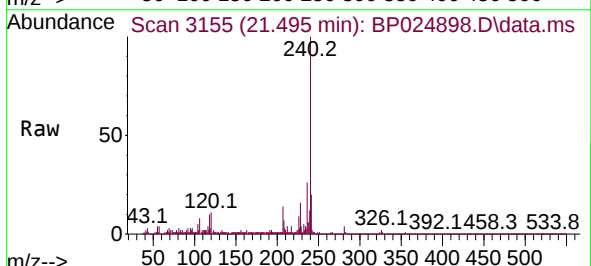
APPROVED

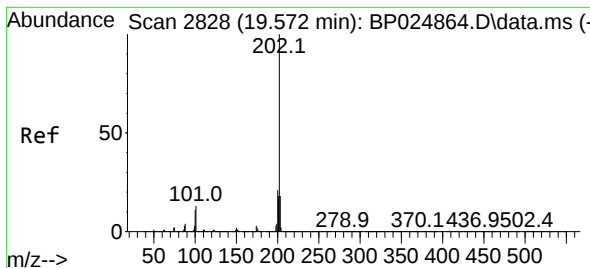
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:240 Resp: 1104422
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 26.2 20.9 31.3





#78

Pyrene

Concen: 19.203 ng

RT: 19.577 min Scan# 2828

Delta R.T. 0.006 min

Lab File: BP024898.D

Acq: 10 Jun 2025 17:49

Instrument :

BNA_P

ClientSampleId :

BU-03-060525

Tgt Ion:202 Resp: 1324970

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

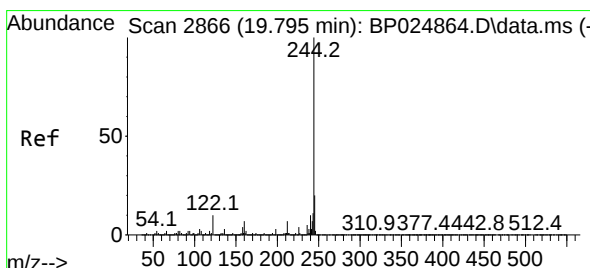
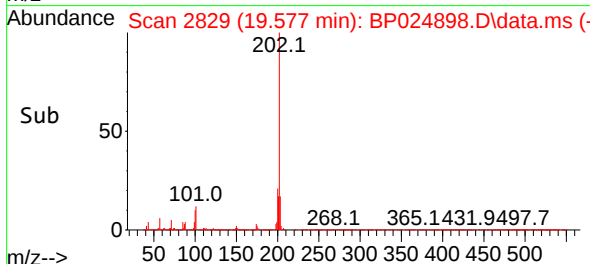
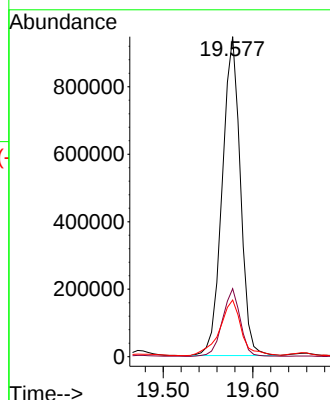
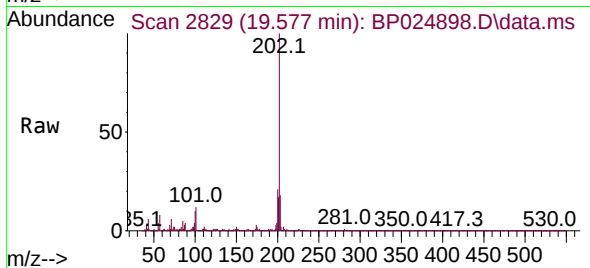
203 17.7 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#79

Terphenyl-d14

Concen: 82.598 ng

RT: 19.795 min Scan# 2866

Delta R.T. -0.000 min

Lab File: BP024898.D

Acq: 10 Jun 2025 17:49

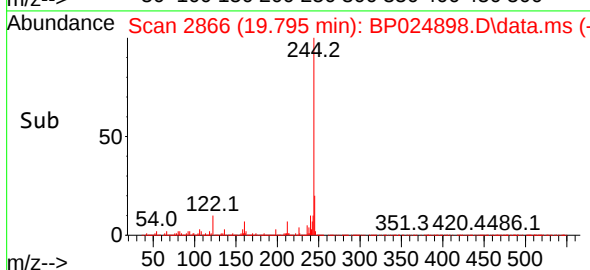
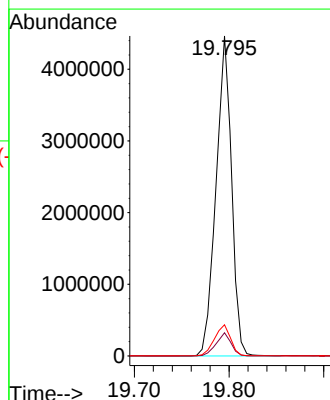
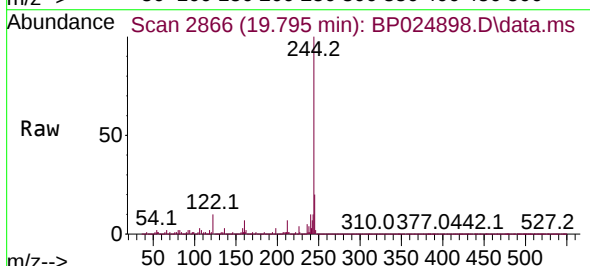
Tgt Ion:244 Resp: 5089838

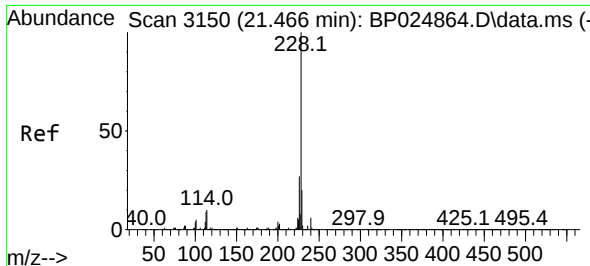
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 9.8 7.7 11.5





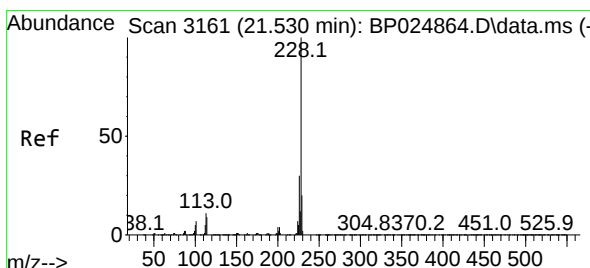
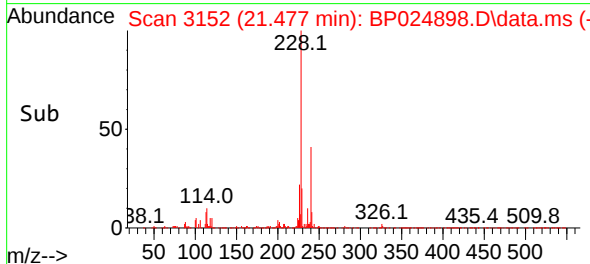
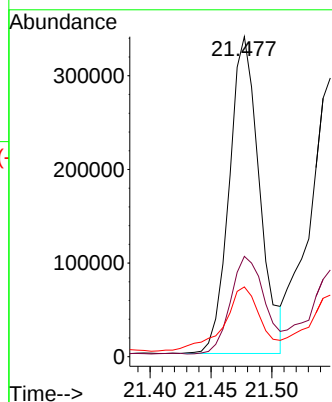
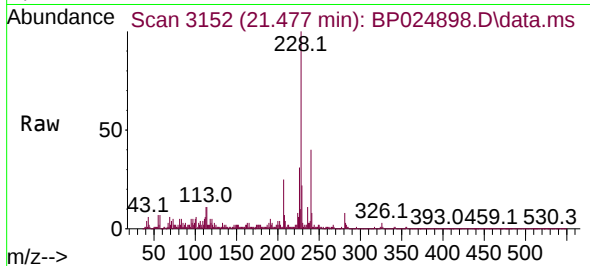
#81
Benzo(a)anthracene
Concen: 8.294 ng
RT: 21.477 min Scan# 3150
Delta R.T. 0.012 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :
BNA_P
ClientSampleId :
BU-03-060525

Tgt Ion:228 Resp: 585870
Ion Ratio Lower Upper
228 100
226 31.3 22.1 33.1
229 21.8 15.9 23.9

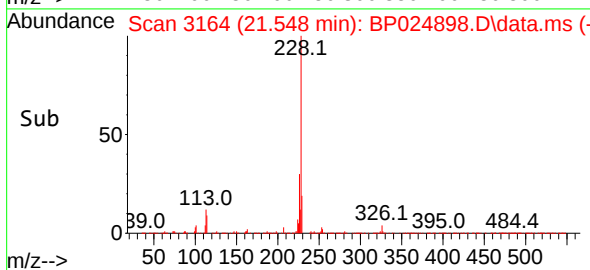
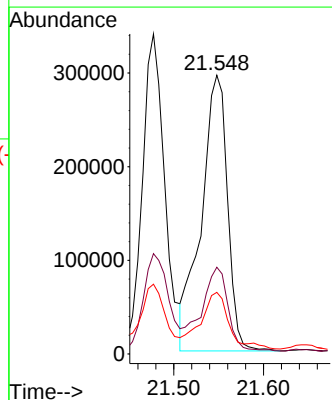
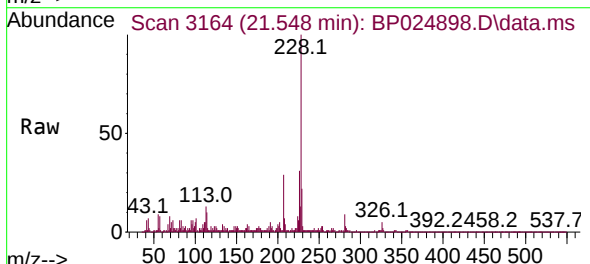
Manual Integrations
APPROVED

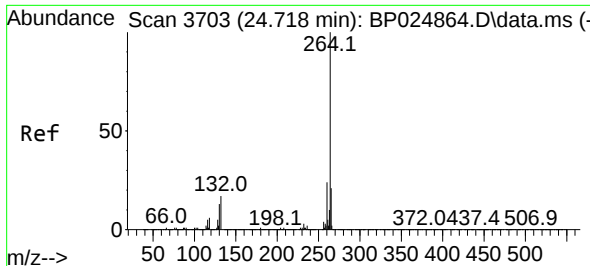
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#83
Chrysene
Concen: 8.985 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.018 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

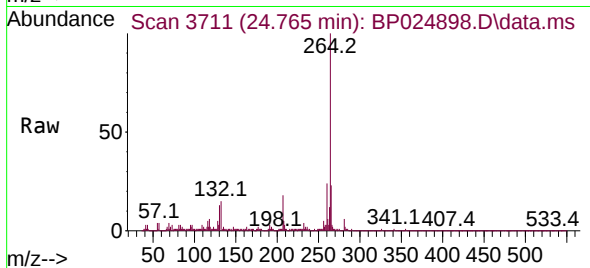
Tgt Ion:228 Resp: 601356
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 22.1 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.765 min Scan# 31
Delta R.T. 0.047 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

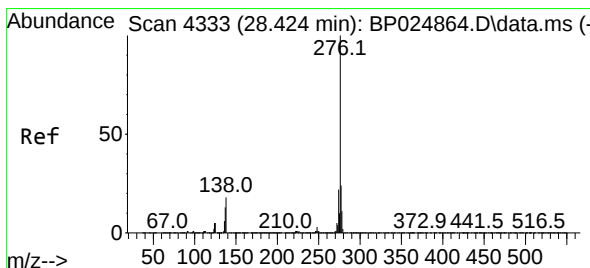
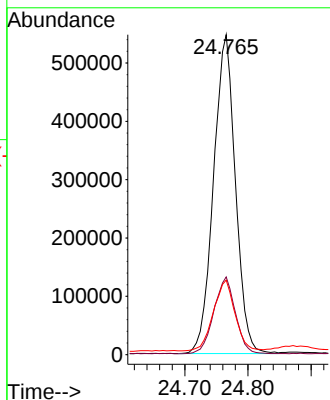
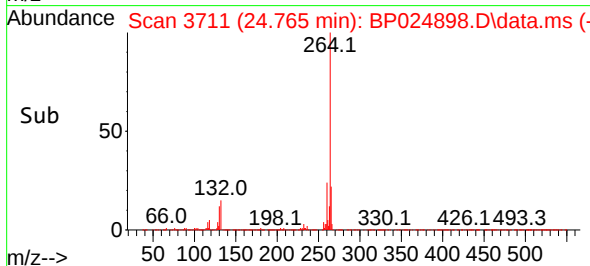
Instrument :
BNA_P
ClientSampleId :
BU-03-060525



Tgt Ion:264 Resp: 131786
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 23.3 17.4 26.0

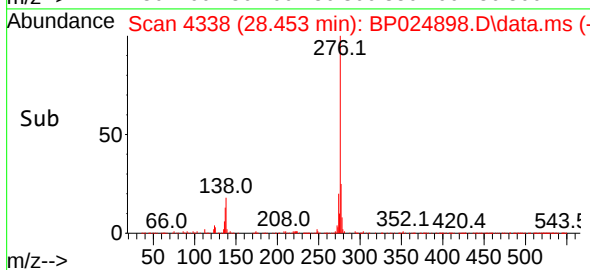
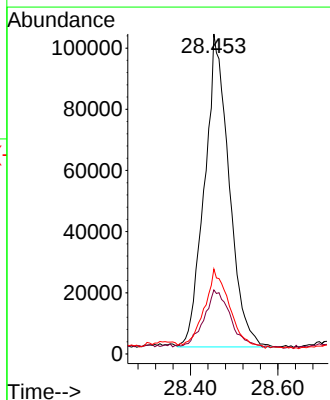
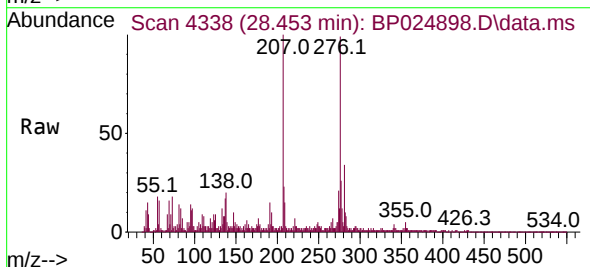
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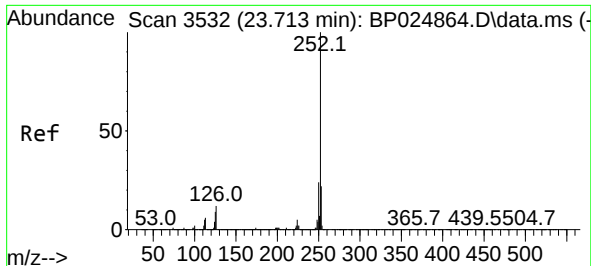
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.159 ng
RT: 28.453 min Scan# 4338
Delta R.T. 0.029 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:276 Resp: 399866
Ion Ratio Lower Upper
276 100
138 20.2 18.6 27.8
277 25.9 20.2 30.4





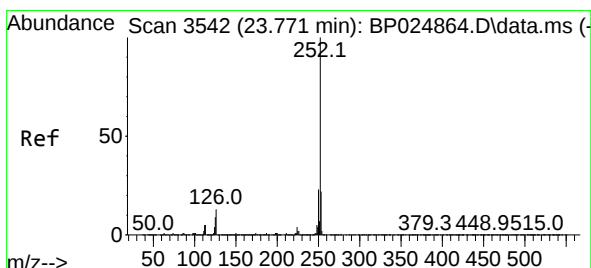
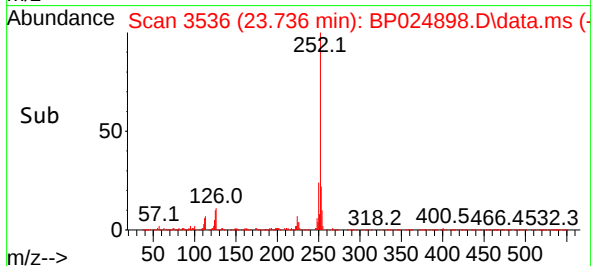
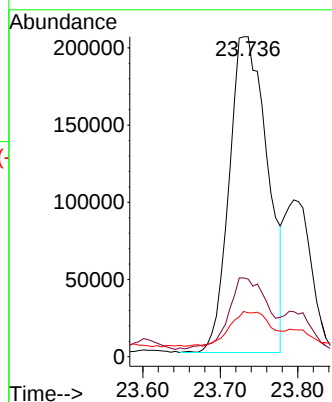
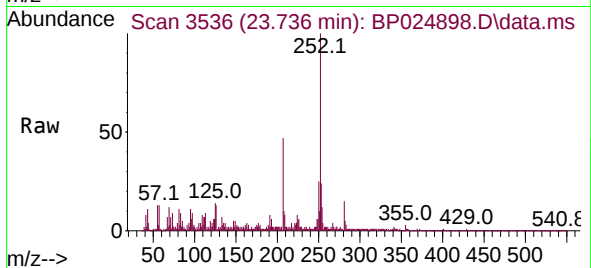
#88
Benzo(b)fluoranthene
Concen: 9.341 ng
RT: 23.736 min Scan# 3536
Delta R.T. 0.023 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Instrument :
BNA_P
ClientSampleId :
BU-03-060525

Tgt Ion:252 Resp: 70448
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 13.7 7.1 10.7

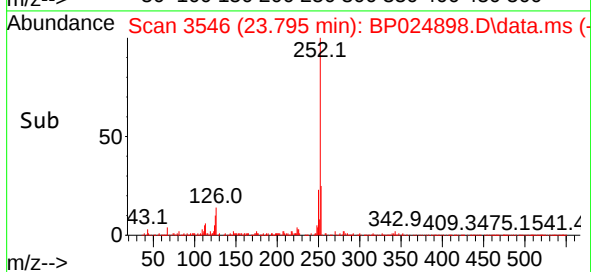
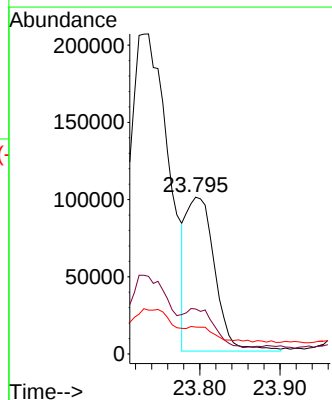
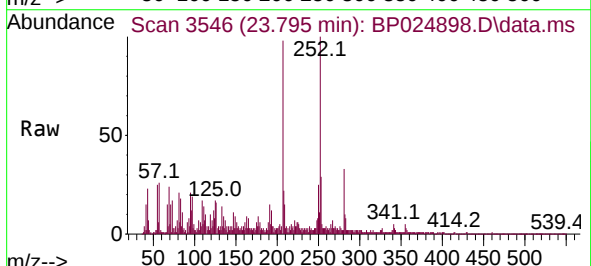
Manual Integrations
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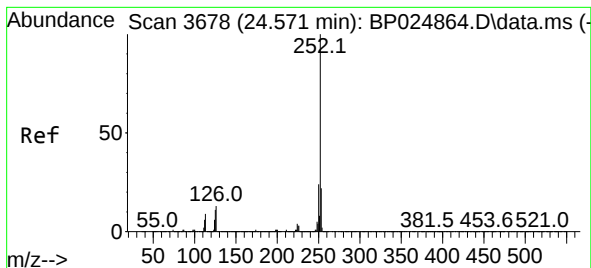
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#89
Benzo(k)fluoranthene
Concen: 3.223 ng m
RT: 23.795 min Scan# 3546
Delta R.T. 0.023 min
Lab File: BP024898.D
Acq: 10 Jun 2025 17:49

Tgt Ion:252 Resp: 247467
Ion Ratio Lower Upper
252 100
253 28.7 17.7 26.5#
125 17.2 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 8.531 ng

RT: 24.613 min Scan# 30

Delta R.T. 0.041 min

Lab File: BP024898.D

Acq: 10 Jun 2025 17:49

Instrument :

BNA_P

ClientSampleId :

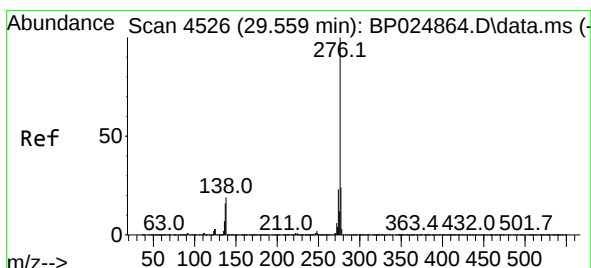
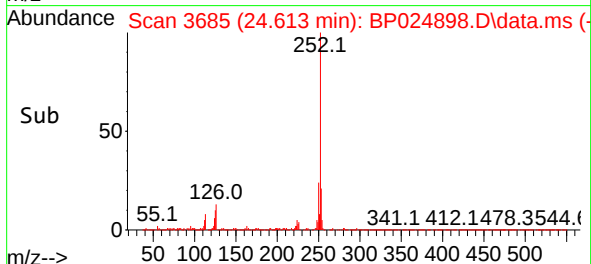
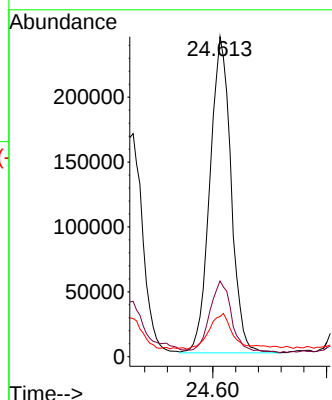
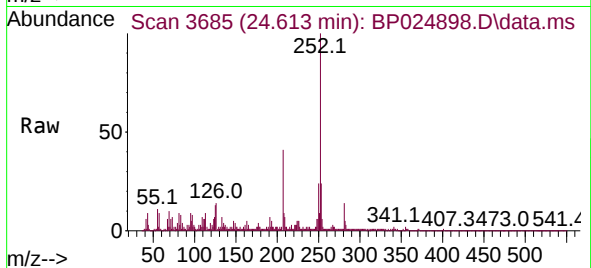
BU-03-060525

Tgt Ion:252 Resp: 62835
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.5 26.3
 125 12.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025



#92

Benzo(g,h,i)perylene

Concen: 6.071 ng m

RT: 29.612 min Scan# 4535

Delta R.T. 0.053 min

Lab File: BP024898.D

Acq: 10 Jun 2025 17:49

Tgt Ion:276 Resp: 471465
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.1 28.7
 138 20.6 15.4 23.2

