

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025884.D
 Acq On : 29 Sep 2025 17:07
 Operator : CG/JU
 Sample : Q3208-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-ESM-COMP-01

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/30/2025
 Supervised By :Jagrut Upadhyay 09/30/2025

Quant Time: Sep 29 17:48:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	237312	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	905424	20.000	ng	-0.01
39) Acenaphthene-d10	14.366	164	558707	20.000	ng	-0.01
64) Phenanthrene-d10	17.166	188	997724	20.000	ng	-0.02
76) Chrysene-d12	21.607	240	1025474	20.000	ng	-0.04
86) Perylene-d12	24.977	264	1178510	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	258928	17.605	ng	0.00
7) Phenol-d6	6.955	99	309221	15.818	ng	0.00
23) Nitrobenzene-d5	8.896	82	196501	9.573	ng	0.00
42) 2,4,6-Tribromophenol	15.884	330	122256	17.543	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	488093	11.632	ng	-0.02
79) Terphenyl-d14	19.883	244	679461	11.920	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.207	178	153760	2.717	ng	98
75) Fluoranthene	19.295	202	530197	7.811	ng	99
78) Pyrene	19.666	202	445064	6.504	ng	98
81) Benzo(a)anthracene	21.589	228	223368	3.182	ng	98
83) Chrysene	21.654	228	311749	4.658	ng	97
87) Indeno(1,2,3-cd)pyrene	28.801	276	232345	2.711	ng	# 87
88) Benzo(b)fluoranthene	23.913	252	442428	6.139	ng	# 96
89) Benzo(k)fluoranthene	23.977	252	167738m	2.281	ng	
90) Benzo(a)pyrene	24.818	252	250884	3.555	ng	96
92) Benzo(g,h,i)perylene	29.989	276	244919	3.551	ng	97

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

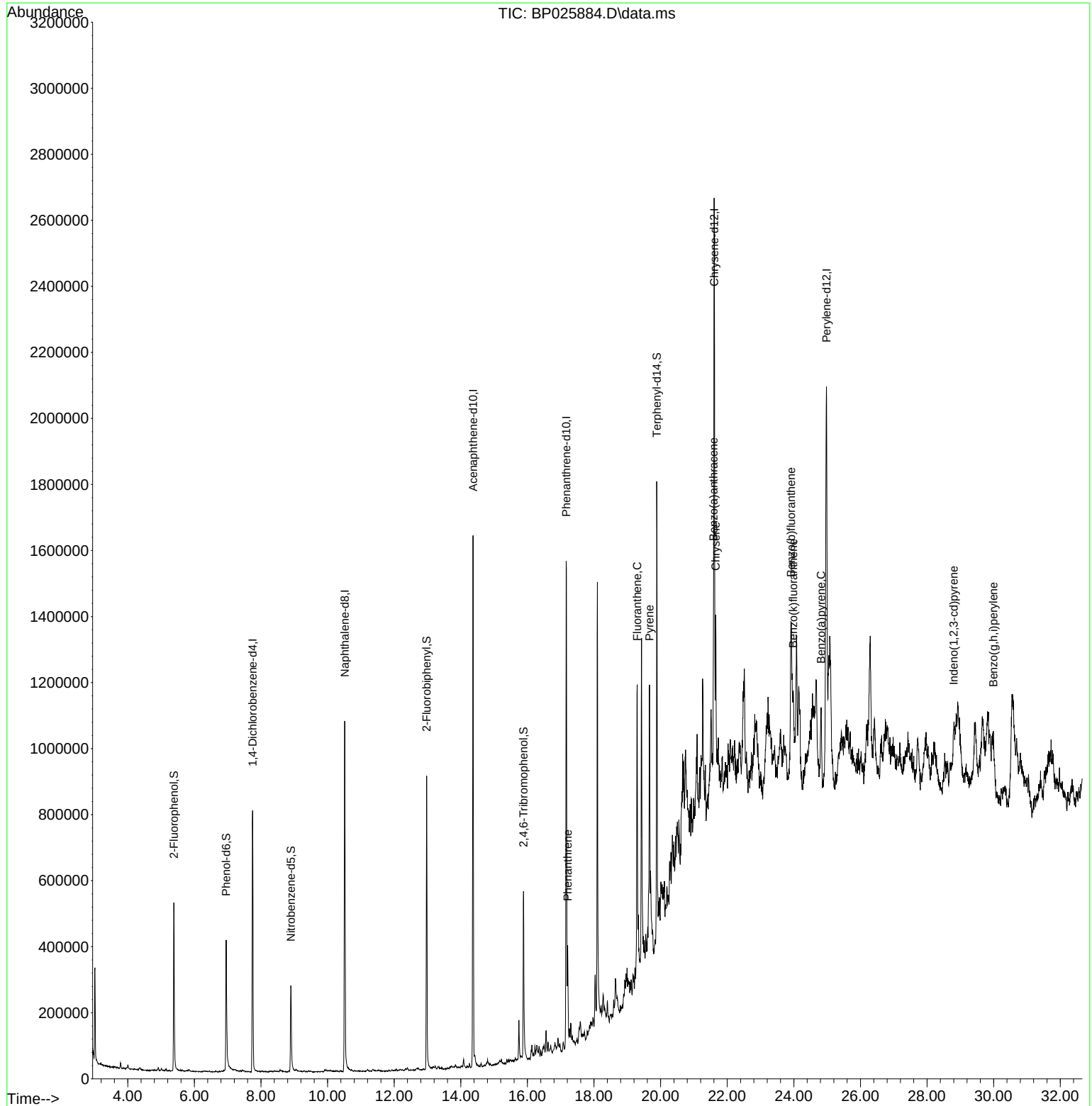
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025884.D
Acq On : 29 Sep 2025 17:07
Operator : CG/JU
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ALS Vial : 11 Sample Multiplier: 1

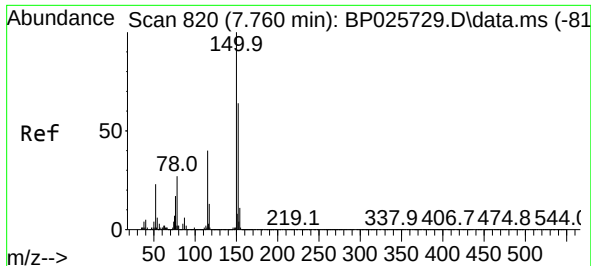
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

Quant Time: Sep 29 17:48:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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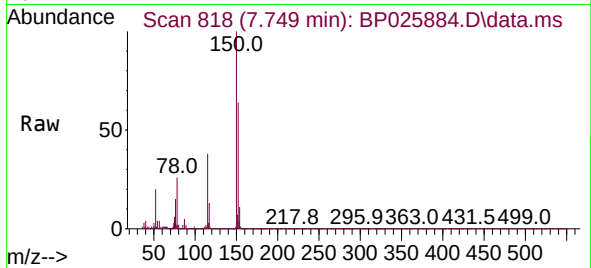
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

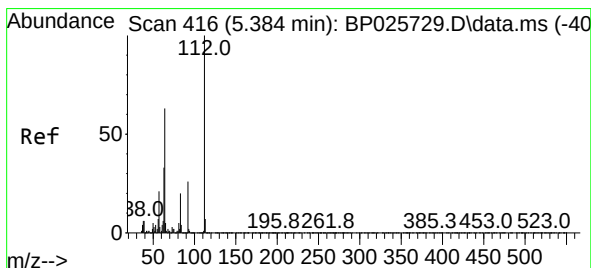
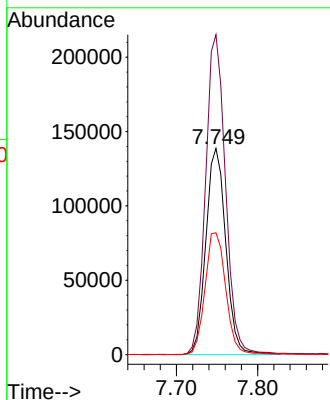
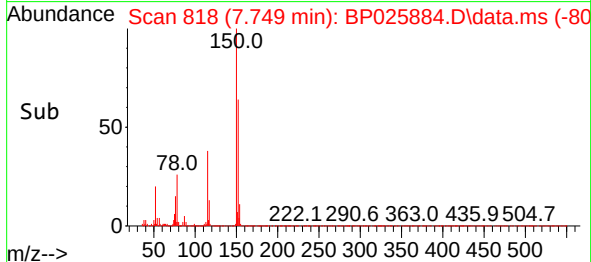
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



Tgt Ion:152 Resp: 237312
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 59.1 50.3 75.5

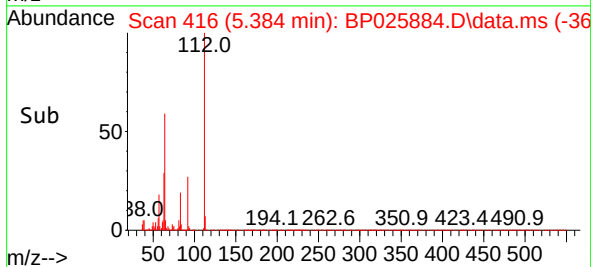
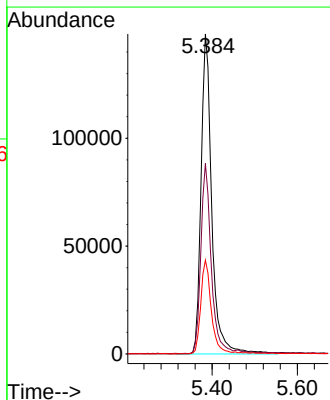
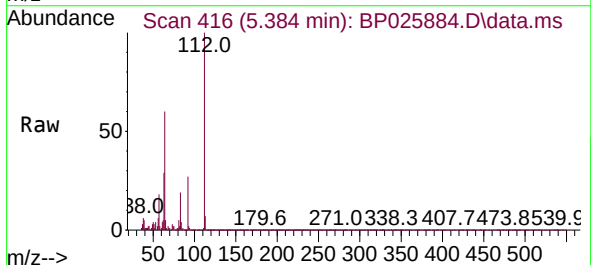
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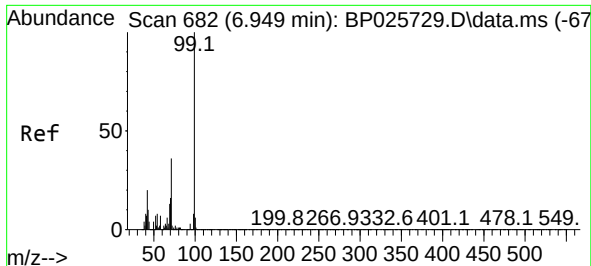
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#5
2-Fluorophenol
Concen: 17.605 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

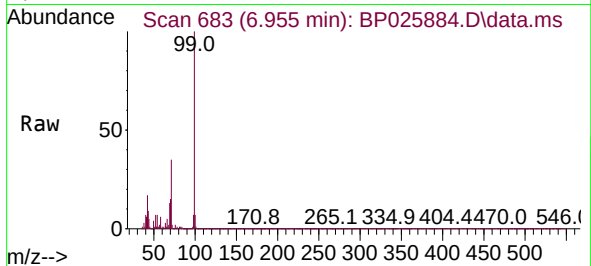
Tgt Ion:112 Resp: 258928
Ion Ratio Lower Upper
112 100
64 59.5 50.2 75.4
63 29.3 26.7 40.1





#7
Phenol-d6
Concen: 15.818 ng
RT: 6.955 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

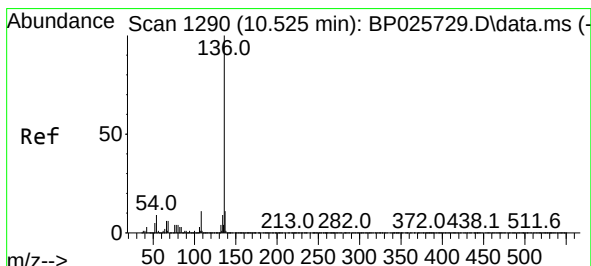
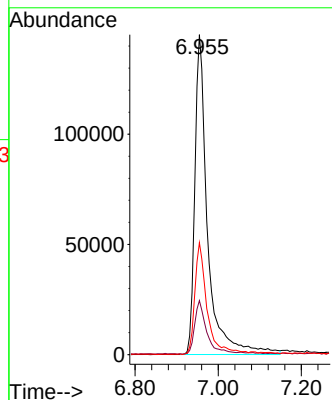
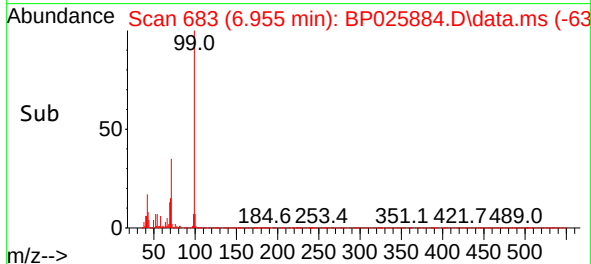
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



Tgt Ion: 99 Resp: 309221
Ion Ratio Lower Upper
99 100
42 16.9 15.6 23.4
71 35.0 28.6 43.0

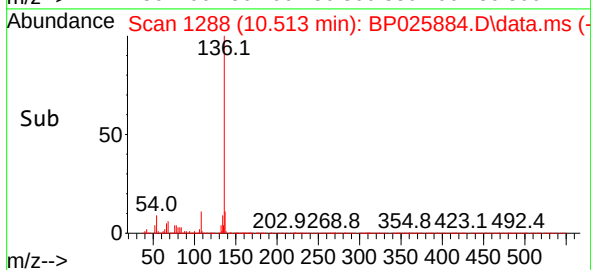
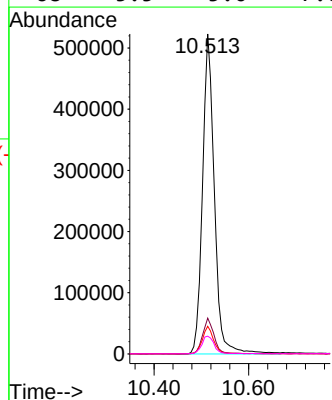
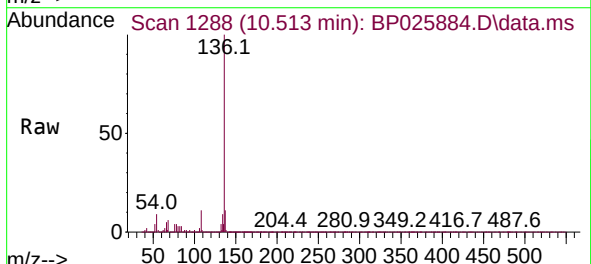
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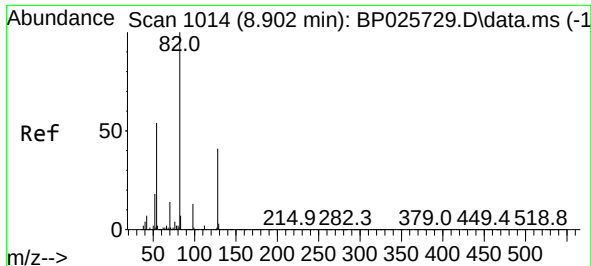
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

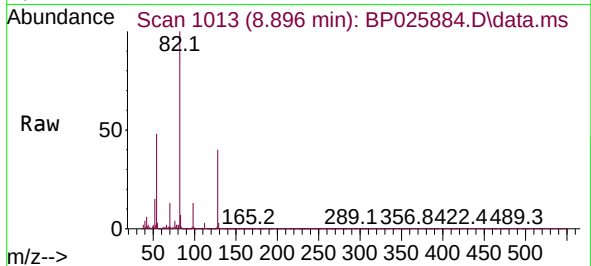
Tgt Ion:136 Resp: 905424
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.6 7.5 11.3
68 5.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 9.573 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

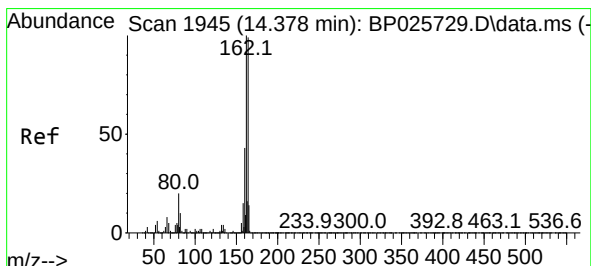
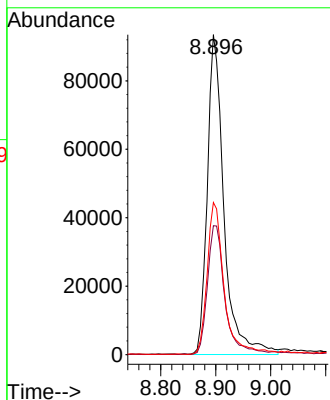
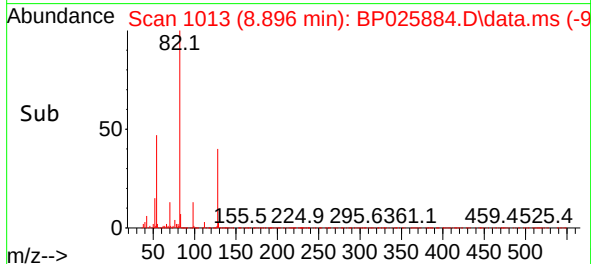
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



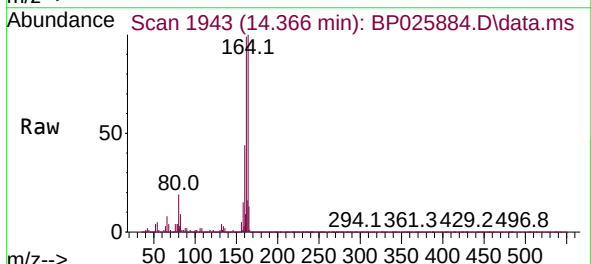
Tgt Ion: 82 Resp: 196501
Ion Ratio Lower Upper
82 100
128 40.3 32.9 49.3
54 47.5 43.4 65.2

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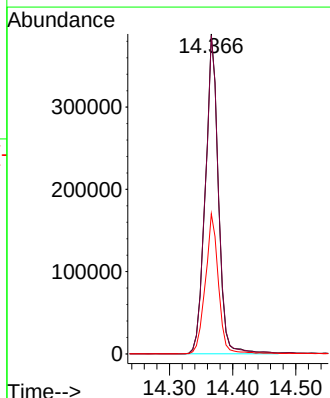
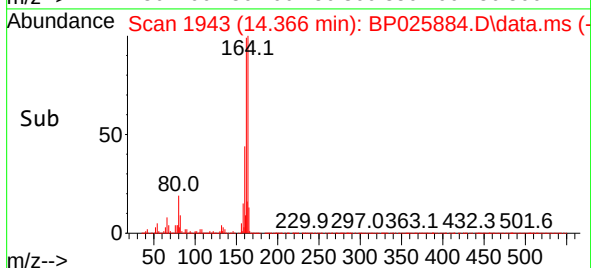
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025

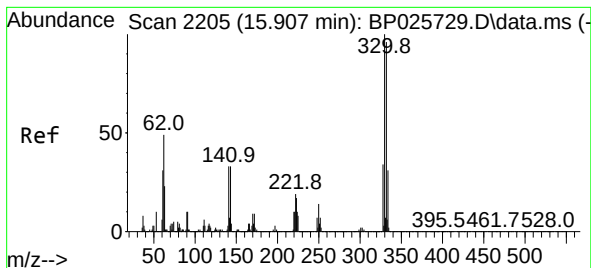


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07



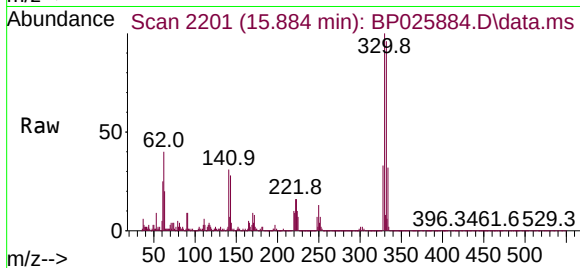
Tgt Ion:164 Resp: 558707
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 43.8 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 17.543 ng
RT: 15.884 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

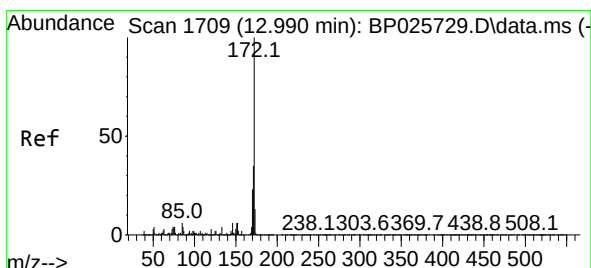
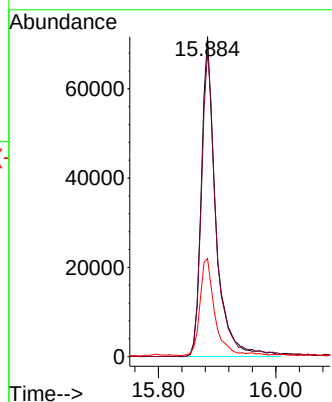
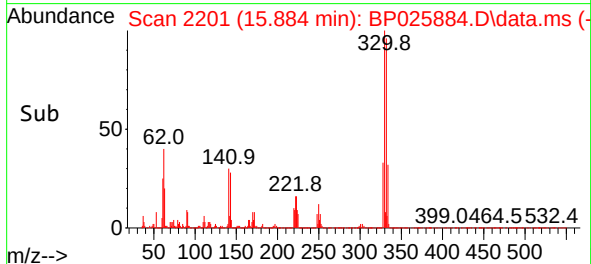
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



Tgt Ion:330 Resp: 122256
Ion Ratio Lower Upper
330 100
332 97.9 76.9 115.3
141 30.6 31.0 46.4

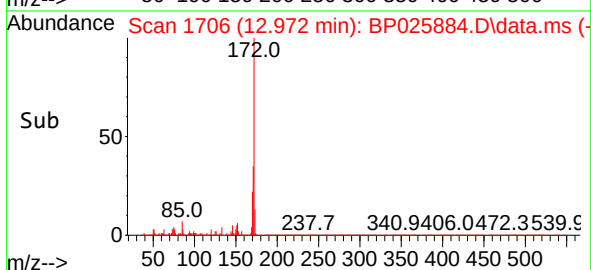
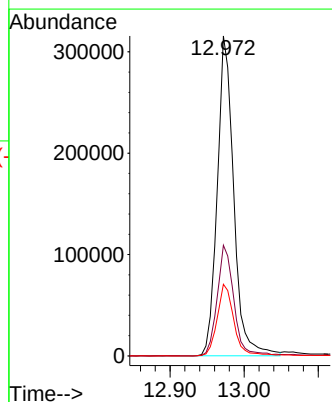
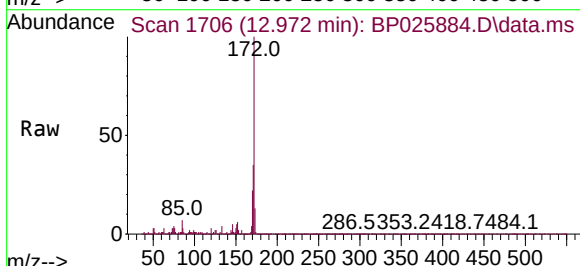
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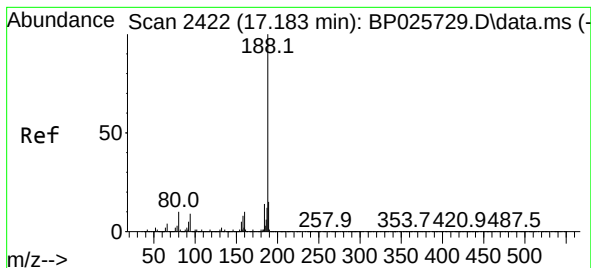
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#45
2-Fluorobiphenyl
Concen: 11.632 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:172 Resp: 488093
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 22.4 18.6 27.8





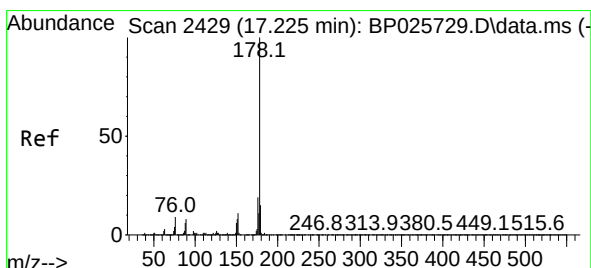
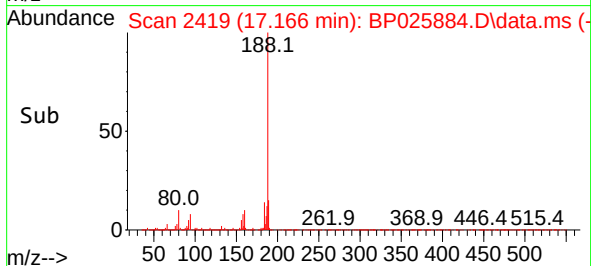
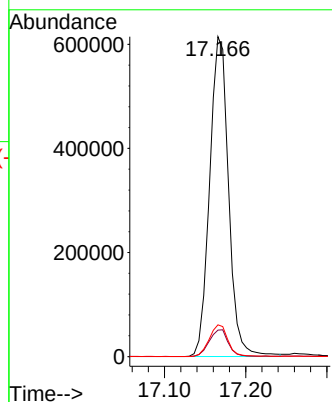
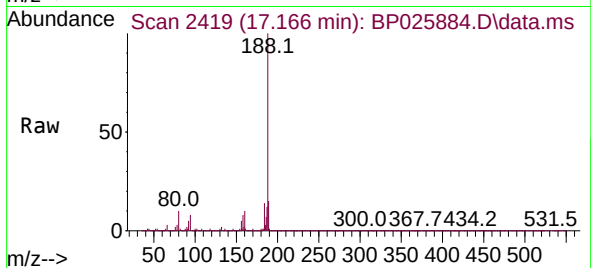
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.166 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

Tgt Ion:188 Resp: 997724
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.0
80 9.9 7.7 11.5

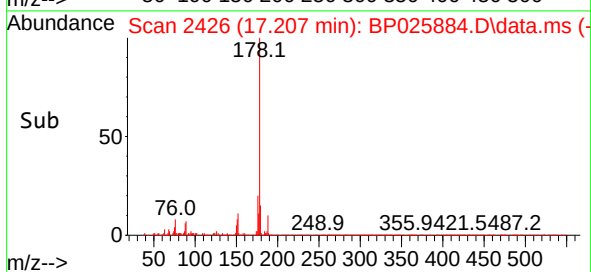
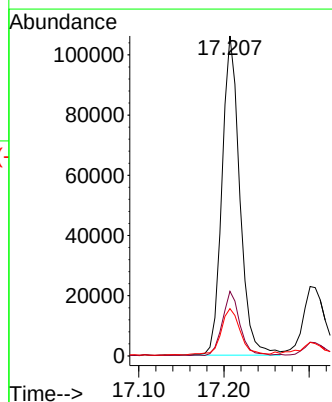
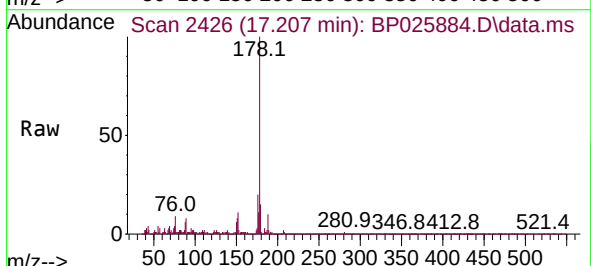
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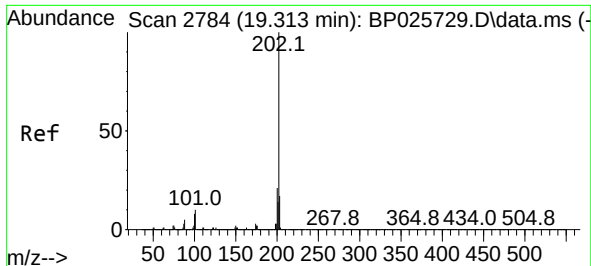
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#71
Phenanthrene
Concen: 2.717 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

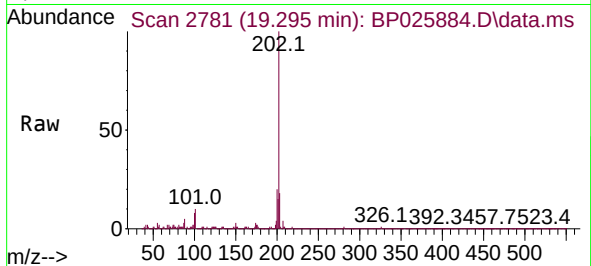
Tgt Ion:178 Resp: 153760
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 7.811 ng
RT: 19.295 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

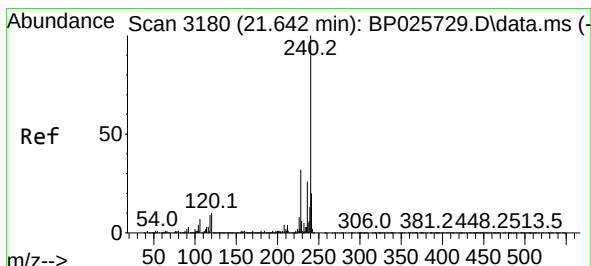
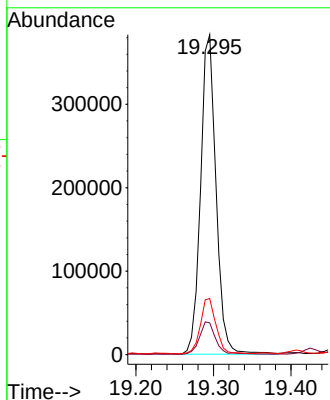
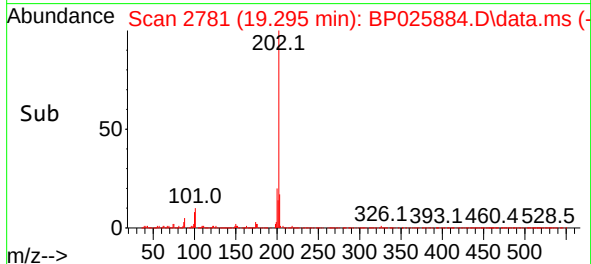
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



Tgt Ion:202 Resp: 530197
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.6 0.0 37.4

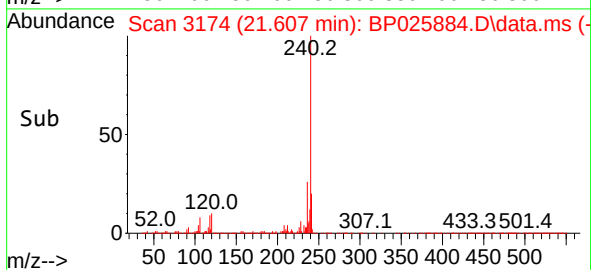
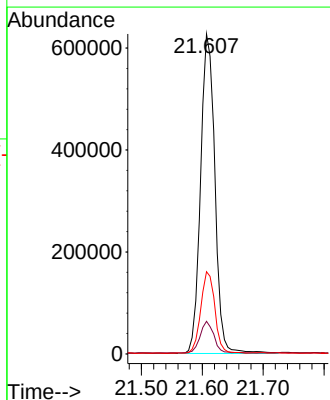
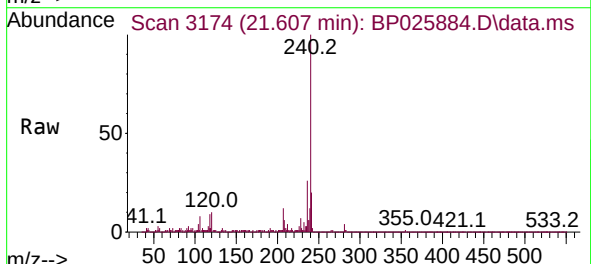
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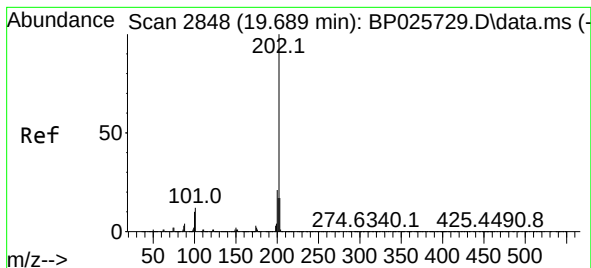
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.035 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:240 Resp: 1025474
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.7 20.7 31.1





#78

Pyrene

Concen: 6.504 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.024 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

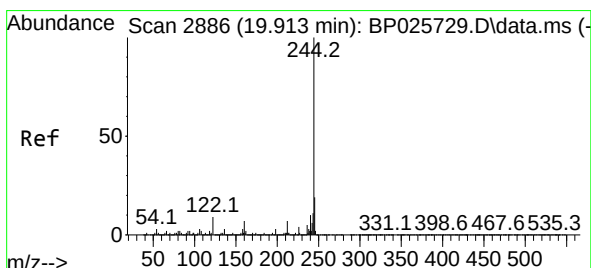
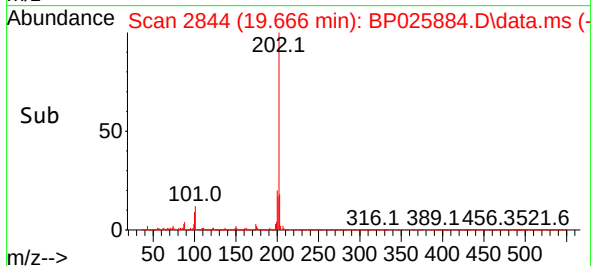
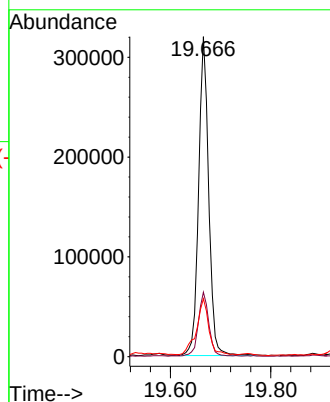
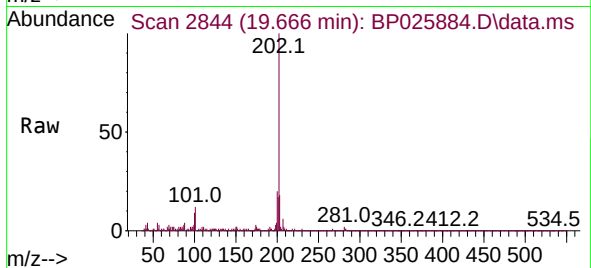
Tgt Ion:	202	Resp:	445064
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.0	25.6
203	18.1	13.9	20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 11.920 ng

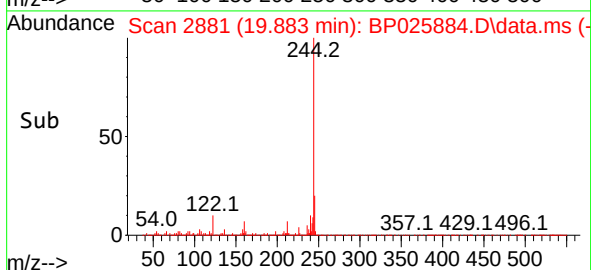
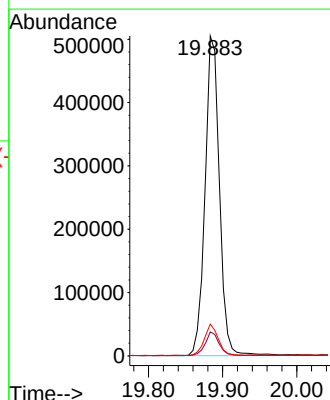
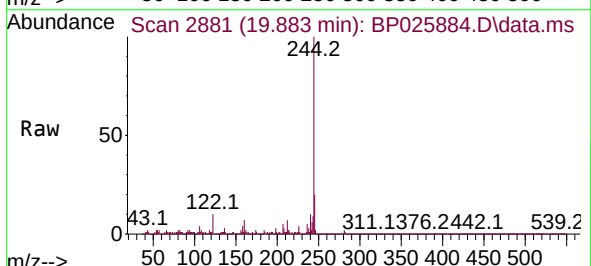
RT: 19.883 min Scan# 2881

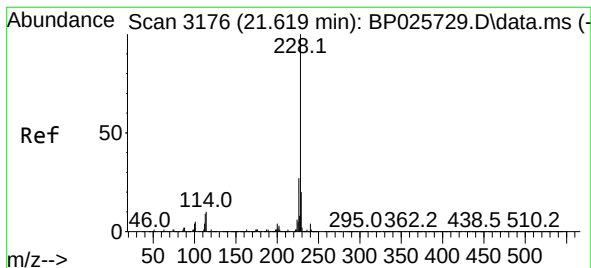
Delta R.T. -0.029 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Tgt Ion:	244	Resp:	679461
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.9	8.9
122	9.9	7.1	10.7





#81

Benzo(a)anthracene

Concen: 3.182 ng

RT: 21.589 min Scan# 3176

Delta R.T. -0.029 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-01

Tgt Ion:228 Resp: 223368

Ion Ratio Lower Upper

228 100

226 26.6 21.6 32.4

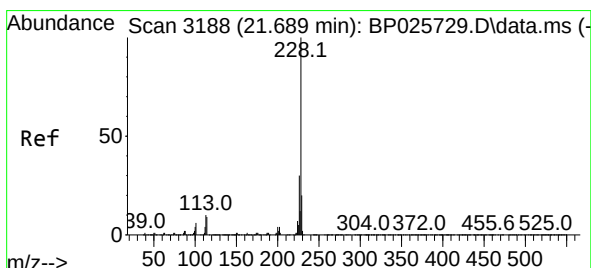
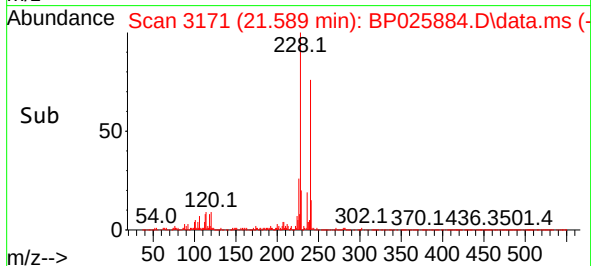
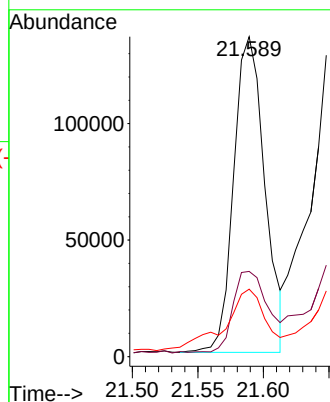
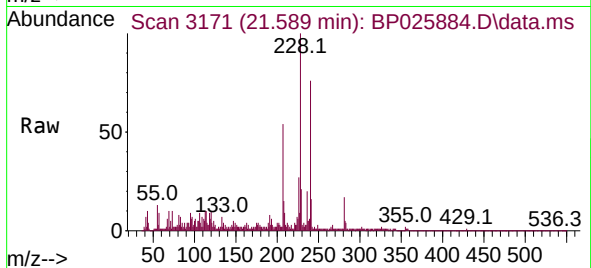
229 21.1 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#83

Chrysene

Concen: 4.658 ng

RT: 21.654 min Scan# 3182

Delta R.T. -0.035 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

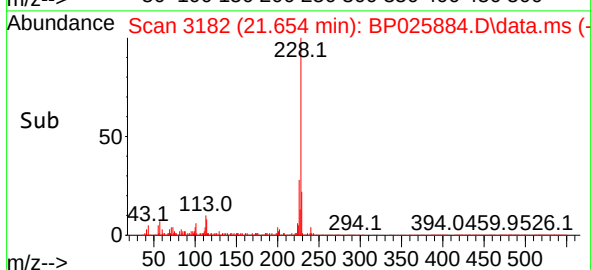
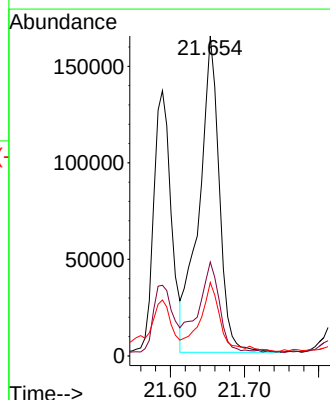
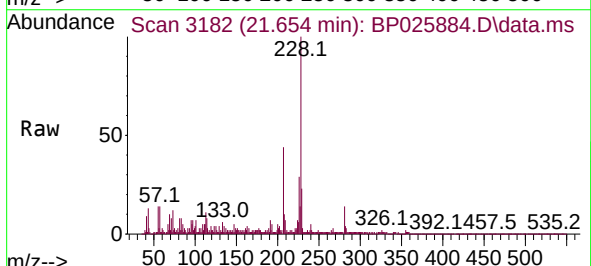
Tgt Ion:228 Resp: 311749

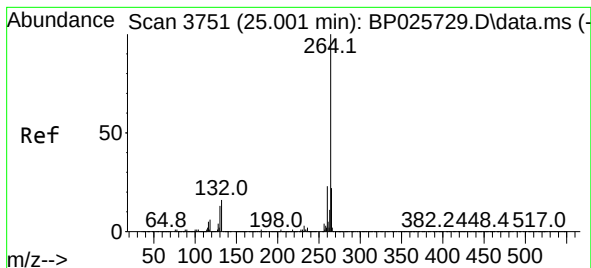
Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

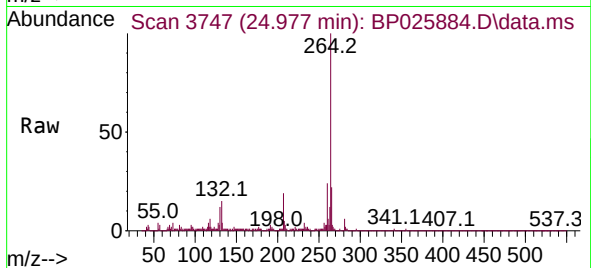
229 22.9 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01

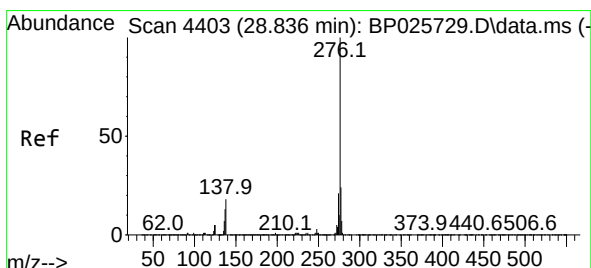
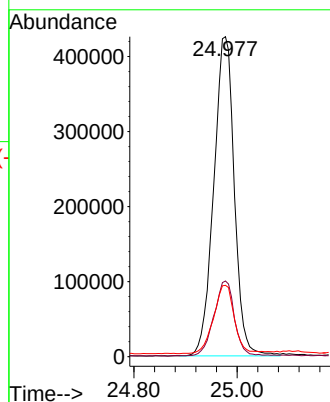
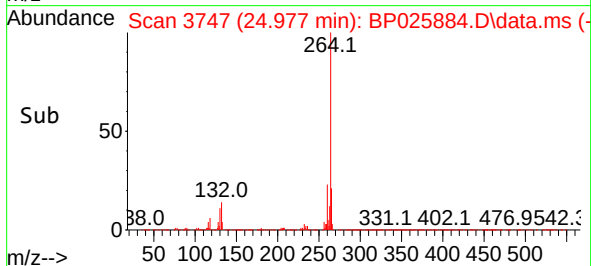


Tgt Ion: 264 Resp: 1178510

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	22.3	17.3	25.9

Manual Integrations
APPROVED

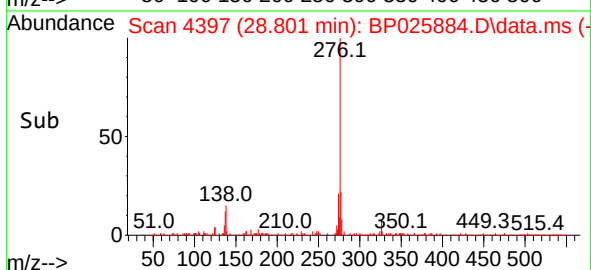
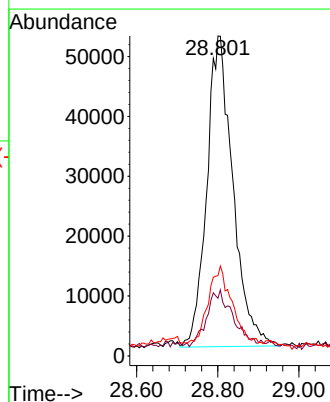
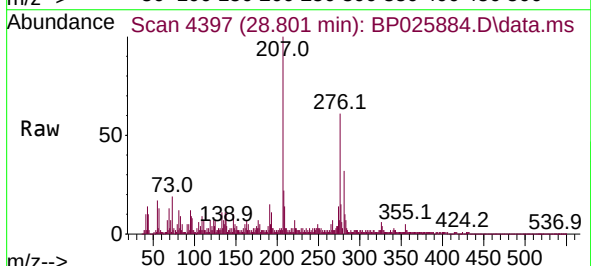
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025

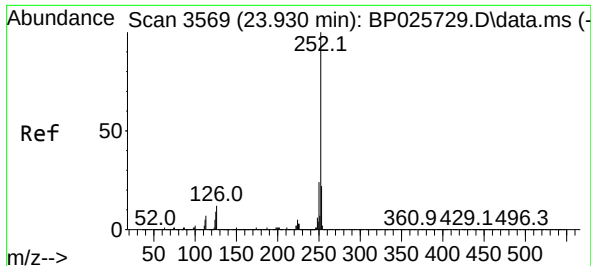


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.711 ng
RT: 28.801 min Scan# 4397
Delta R.T. -0.035 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion: 276 Resp: 232345

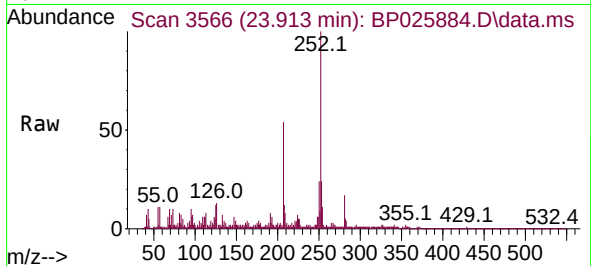
Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.4	20.2
277	21.9	9.1	13.7





#88
Benzo(b)fluoranthene
Concen: 6.139 ng
RT: 23.913 min Scan# 3569
Delta R.T. -0.018 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

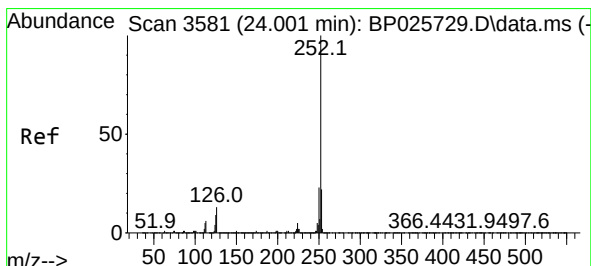
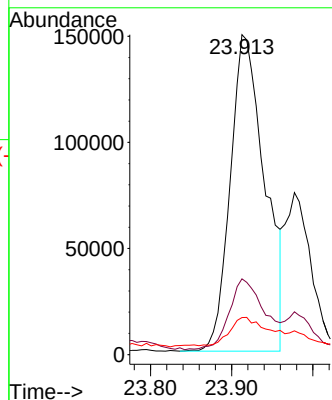
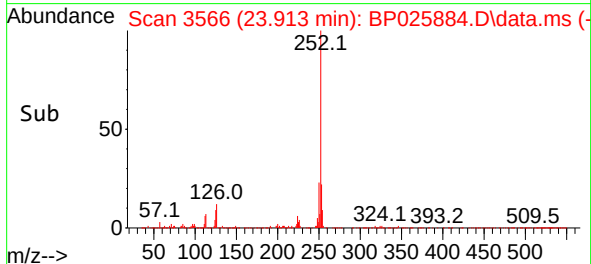
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-01



Tgt Ion:252 Resp: 442428
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 11.6 7.3 10.9

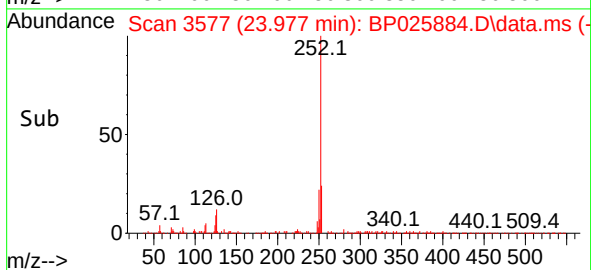
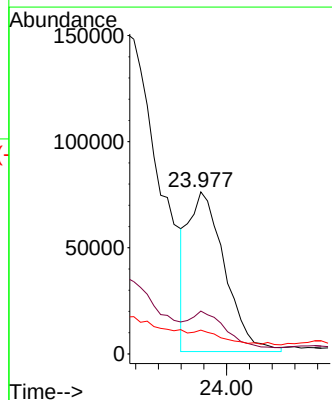
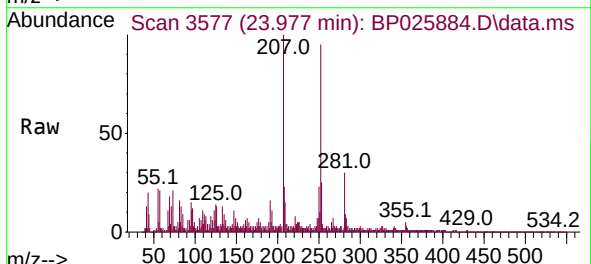
Manual Integrations
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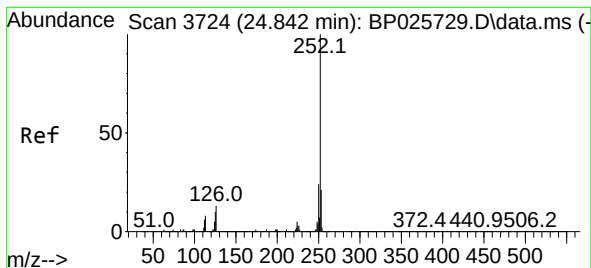
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#89
Benzo(k)fluoranthene
Concen: 2.281 ng m
RT: 23.977 min Scan# 3577
Delta R.T. -0.024 min
Lab File: BP025884.D
Acq: 29 Sep 2025 17:07

Tgt Ion:252 Resp: 167738
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3#
125 14.7 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.555 ng

RT: 24.818 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Instrument :

BNA_P

ClientSampleId :

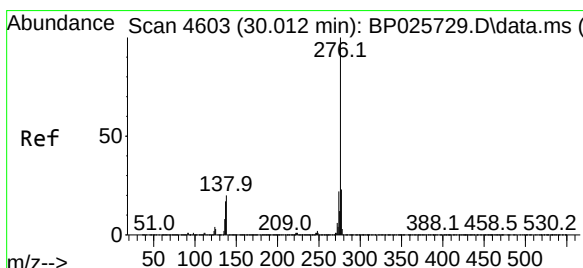
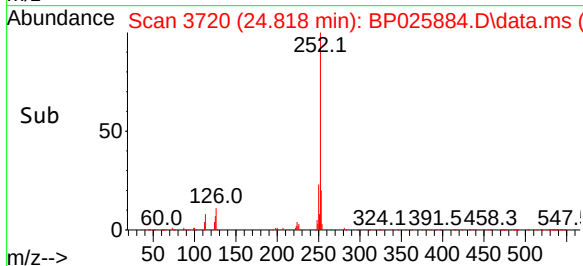
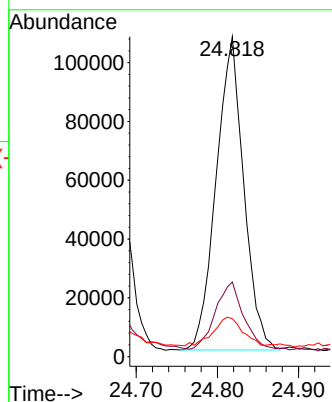
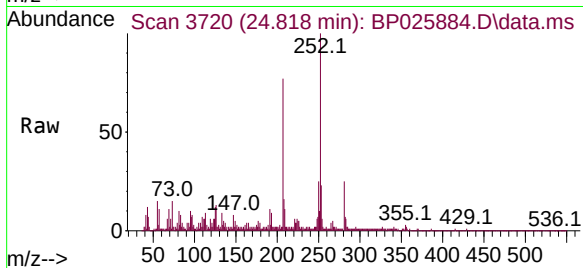
SU-ESM-COMP-01

Tgt Ion:	252	Resp:	250884
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	11.8	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#92

Benzo(g,h,i)perylene

Concen: 3.551 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.024 min

Lab File: BP025884.D

Acq: 29 Sep 2025 17:07

Tgt Ion:	276	Resp:	244919
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.7	28.1
138	20.9	16.0	24.0

