

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025887.D
 Acq On : 29 Sep 2025 19:11
 Operator : CG/JU
 Sample : Q3220-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-092625

Manual Integrations
 APPROVED

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

Quant Time: Sep 30 05:08:32 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	232456	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	891267	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	559970	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	1002405	20.000	ng	-0.01
76) Chrysene-d12	21.613	240	984467	20.000	ng	-0.03
86) Perylene-d12	24.983	264	1096841	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	248900	17.277	ng	0.00
7) Phenol-d6	6.961	99	301595	15.750	ng	0.01
23) Nitrobenzene-d5	8.896	82	181341	8.975	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	124262	17.791	ng	-0.01
45) 2-Fluorobiphenyl	12.978	172	407634	9.693	ng	-0.01
79) Terphenyl-d14	19.901	244	554052	10.125	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.213	178	311041	5.470	ng	99
75) Fluoranthene	19.301	202	651154	9.548	ng	99
78) Pyrene	19.678	202	693641	10.560	ng	98
81) Benzo(a)anthracene	21.595	228	339050	5.031	ng	94
83) Chrysene	21.666	228	328006	5.105	ng	96
87) Indeno(1,2,3-cd)pyrene	28.818	276	226622	2.841	ng	# 84
88) Benzo(b)fluoranthene	23.919	252	398377m	5.939	ng	
89) Benzo(k)fluoranthene	23.954	252	174774m	2.554	ng	
90) Benzo(a)pyrene	24.807	252	342718	5.218	ng	# 95
92) Benzo(g,h,i)perylene	29.989	276	240276	3.743	ng	96

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

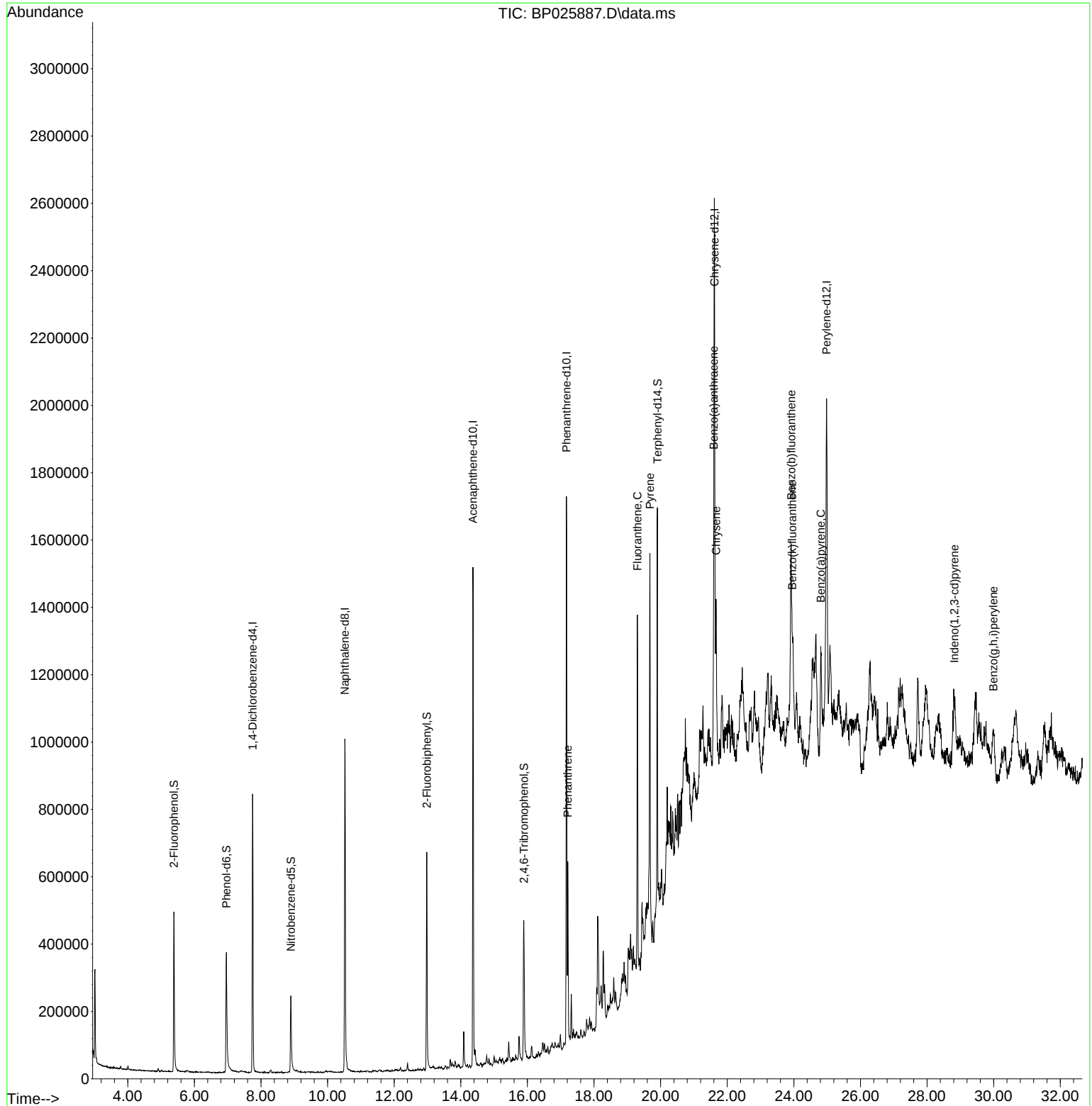
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025887.D
Acq On : 29 Sep 2025 19:11
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Misc :
ALS Vial : 14 Sample Multiplier: 1

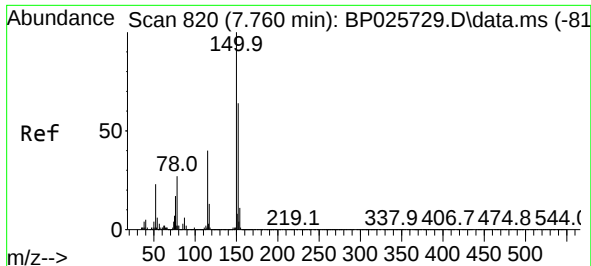
Instrument :
BNA_P
ClientSampleId :
OR-03-092625

Quant Time: Sep 30 05:08:32 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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Response via : Initial Calibration

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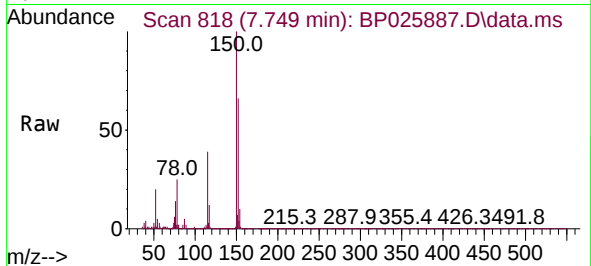
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

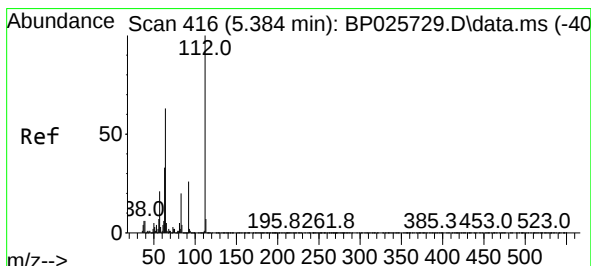
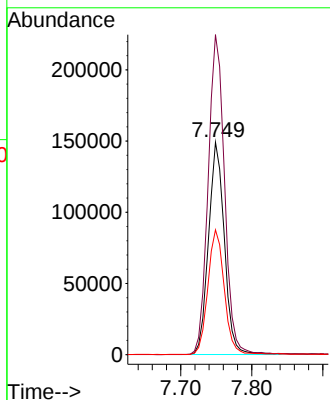
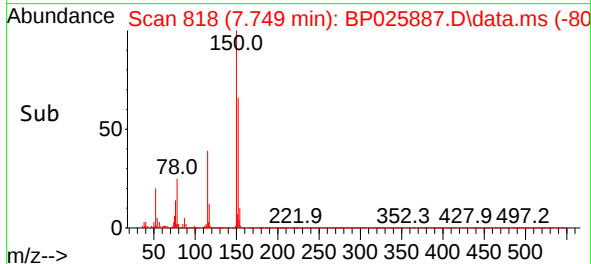
Instrument :
BNA_P
ClientSampleId :
OR-03-092625



Tgt Ion:152 Resp: 232456
Ion Ratio Lower Upper
152 100
150 150.7 124.3 186.5
115 58.8 50.3 75.5

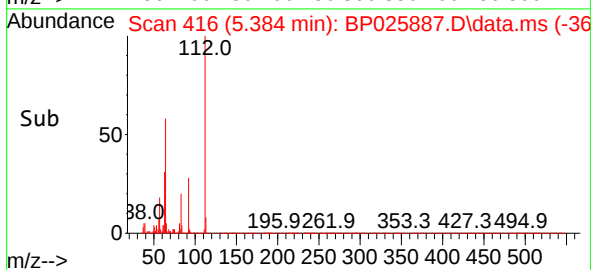
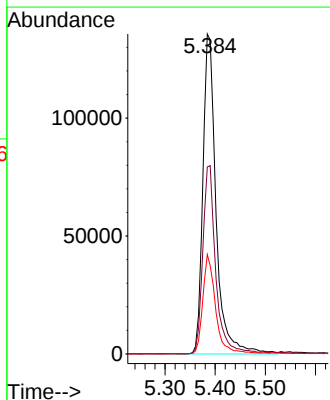
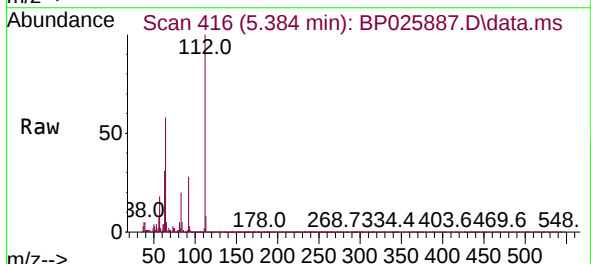
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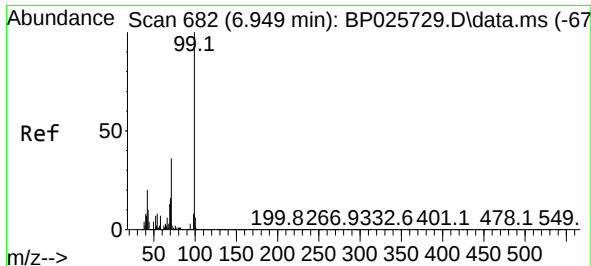
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#5
2-Fluorophenol
Concen: 17.277 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

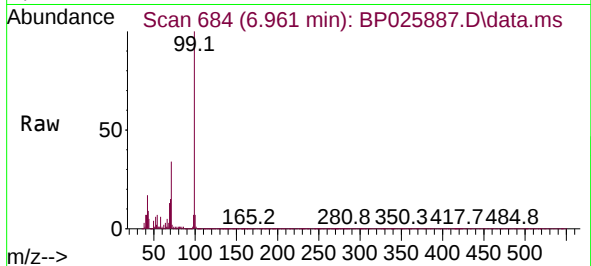
Tgt Ion:112 Resp: 248900
Ion Ratio Lower Upper
112 100
64 58.4 50.2 75.4
63 31.0 26.7 40.1





#7
Phenol-d6
Concen: 15.750 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.012 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

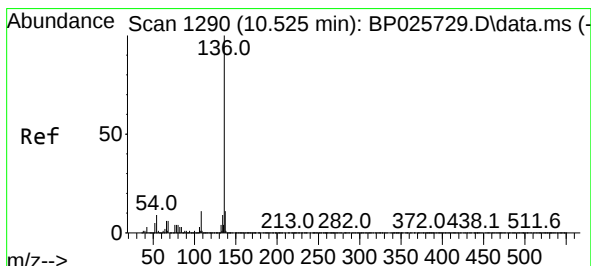
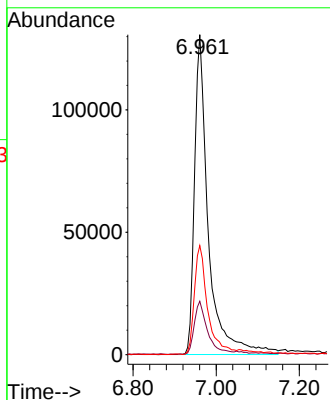
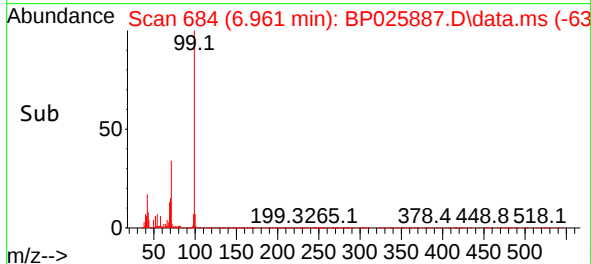
Instrument :
BNA_P
ClientSampleId :
OR-03-092625



Tgt Ion: 99 Resp: 301595
Ion Ratio Lower Upper
99 100
42 16.7 15.6 23.4
71 34.1 28.6 43.0

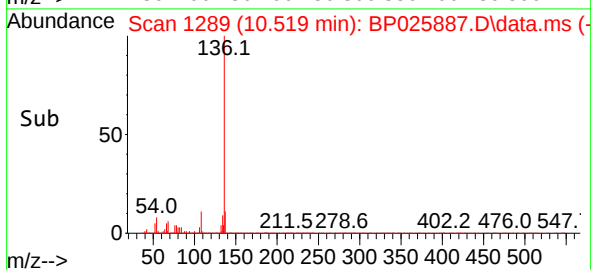
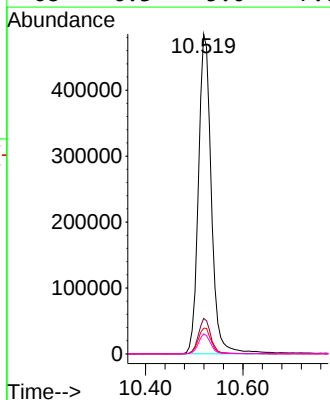
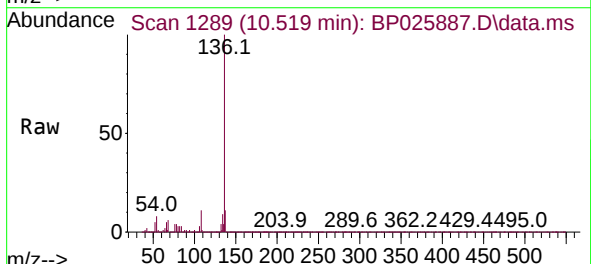
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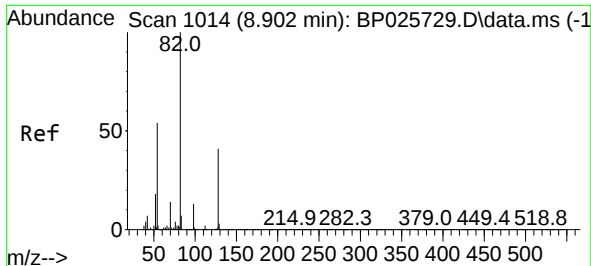
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Tgt Ion:136 Resp: 891267
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 7.5 11.3
68 6.3 5.0 7.6





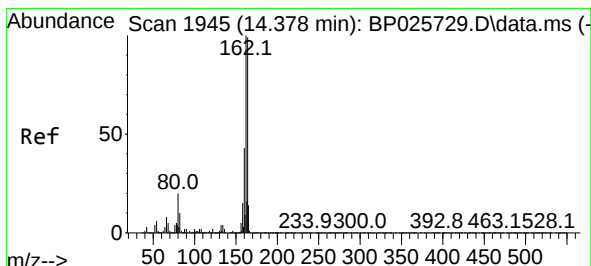
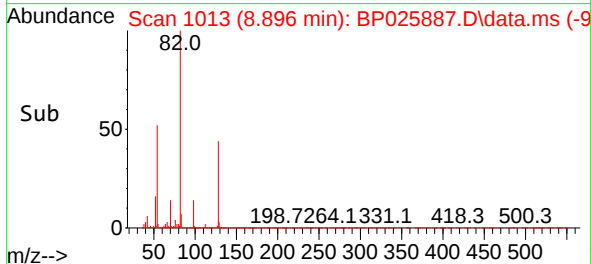
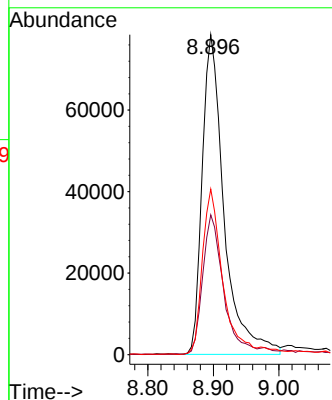
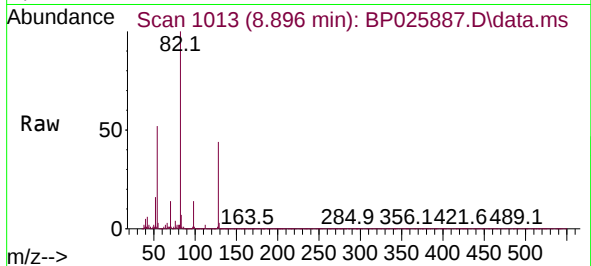
#23
Nitrobenzene-d5
Concen: 8.975 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Instrument :
BNA_P
ClientSampleId :
OR-03-092625

Tgt Ion: 82 Resp: 18134
Ion Ratio Lower Upper
82 100
128 43.7 32.9 49.3
54 51.7 43.4 65.2

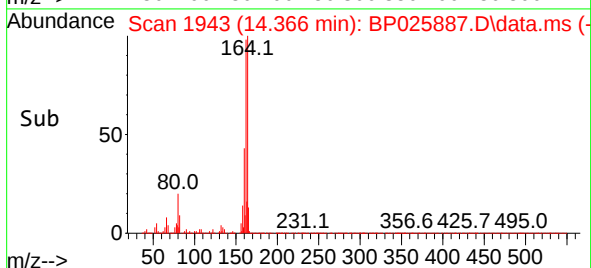
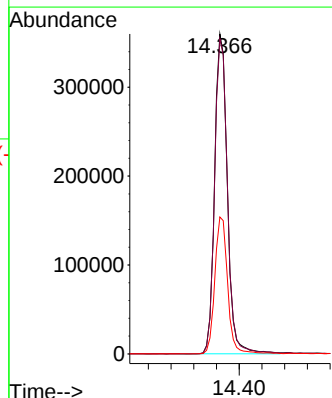
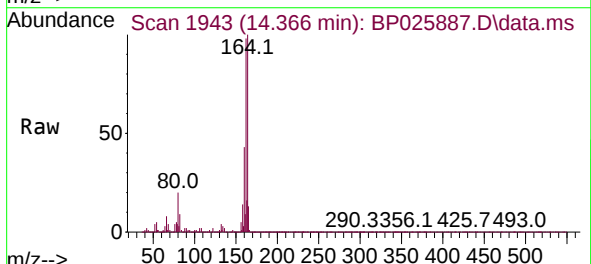
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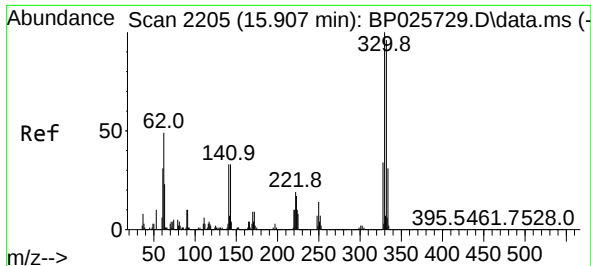
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Tgt Ion:164 Resp: 559970
Ion Ratio Lower Upper
164 100
162 98.4 80.6 120.8
160 42.8 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 17.791 ng

RT: 15.895 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Instrument :

BNA_P

ClientSampleId :

OR-03-092625

Tgt Ion:330 Resp: 124262

Ion Ratio Lower Upper

330 100

332 93.5 76.9 115.3

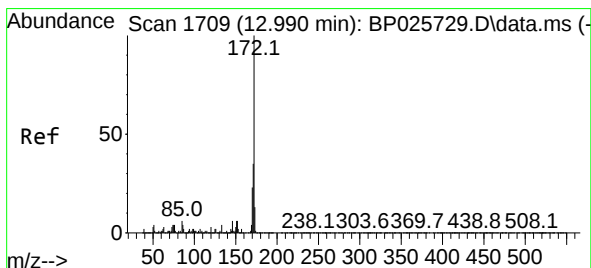
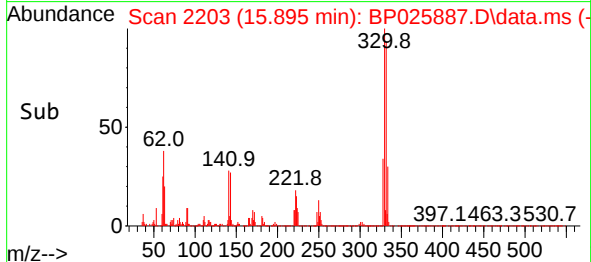
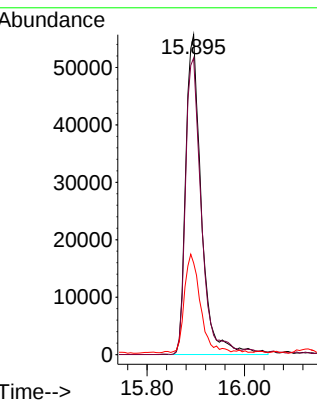
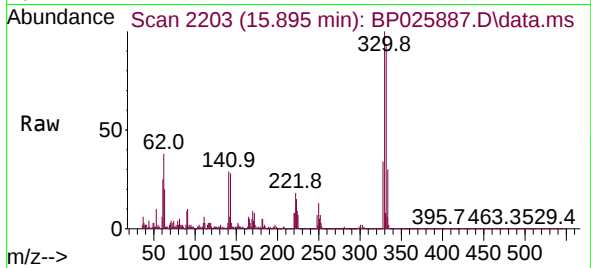
141 30.7 31.0 46.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#45

2-Fluorobiphenyl

Concen: 9.693 ng

RT: 12.978 min Scan# 1707

Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

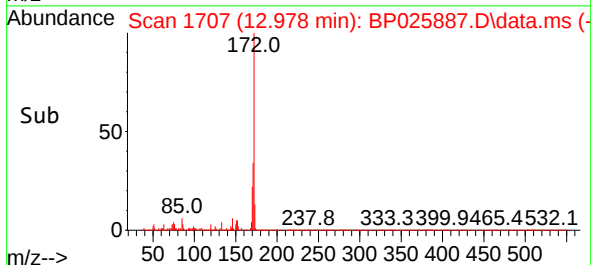
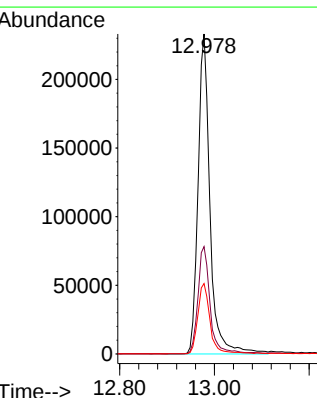
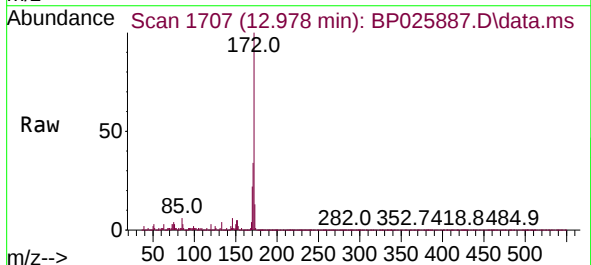
Tgt Ion:172 Resp: 407634

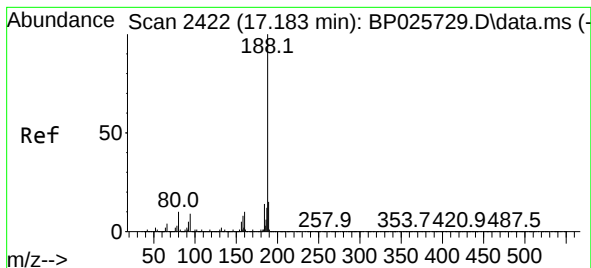
Ion Ratio Lower Upper

172 100

171 33.6 27.8 41.6

170 22.0 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Instrument :

BNA_P

ClientSampleId :

OR-03-092625

Tgt Ion:188 Resp: 1002405

Ion Ratio Lower Upper

188 100

94 8.3 7.4 11.0

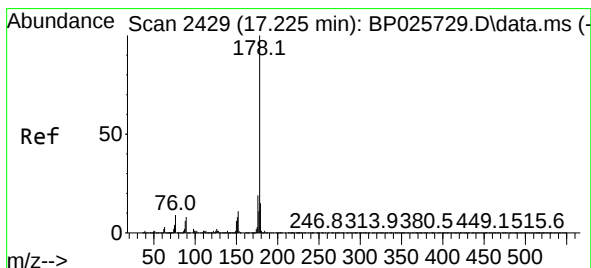
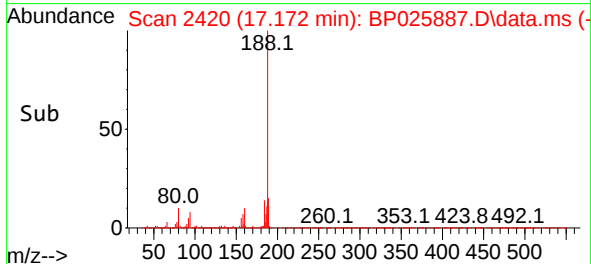
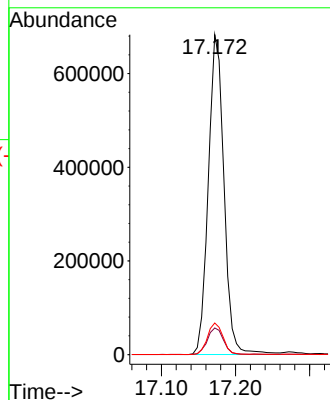
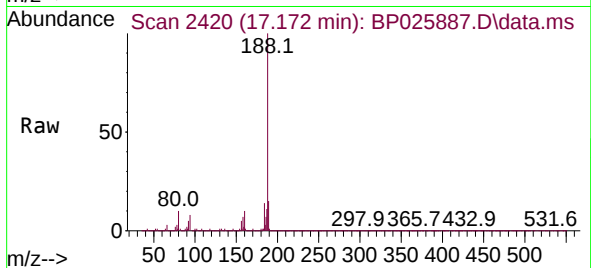
80 9.9 7.7 11.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#71

Phenanthrene

Concen: 5.470 ng

RT: 17.213 min Scan# 2427

Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

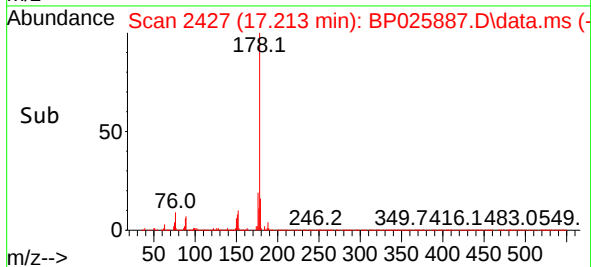
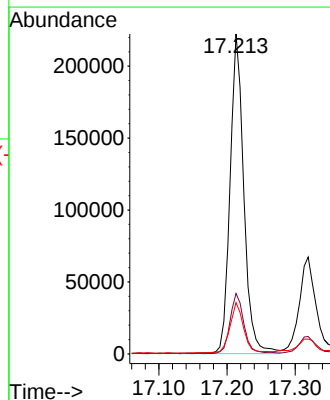
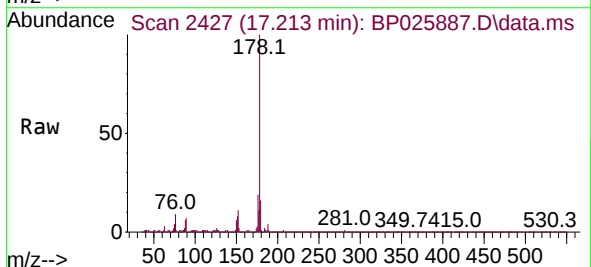
Tgt Ion:178 Resp: 311041

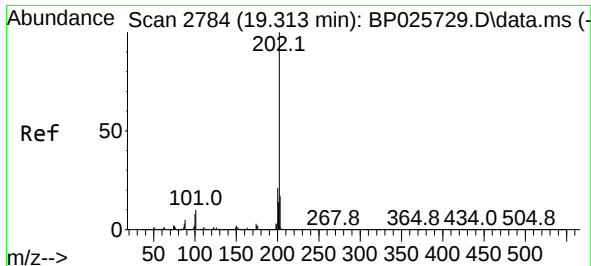
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

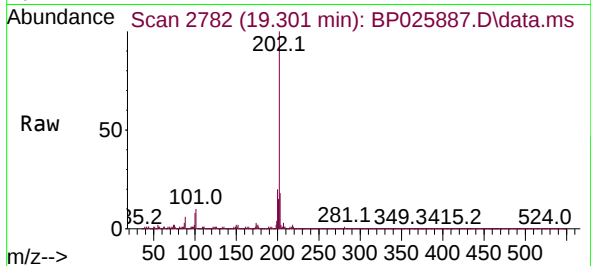
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 9.548 ng
RT: 19.301 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

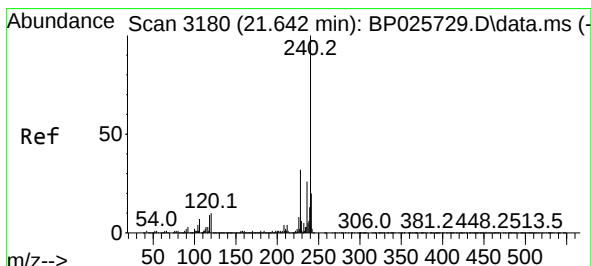
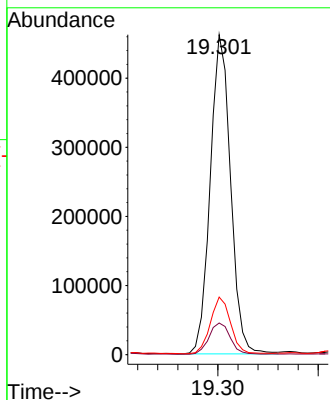
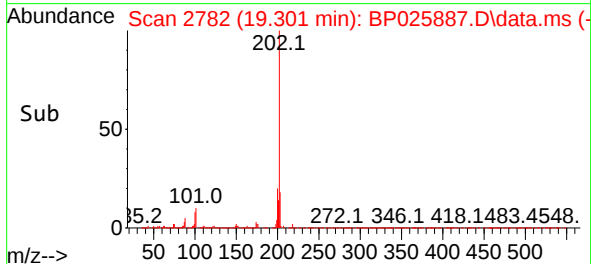
Instrument :
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OR-03-092625



Tgt Ion:202 Resp: 651154
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.4
203 18.0 0.0 37.4

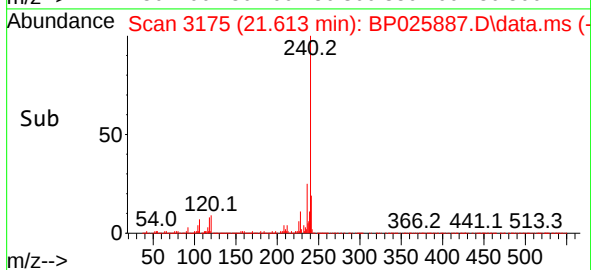
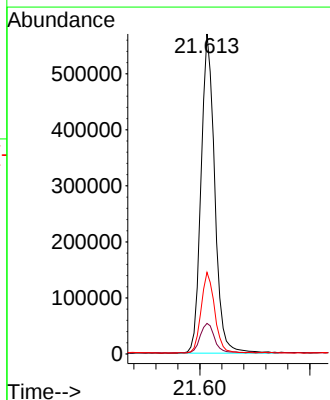
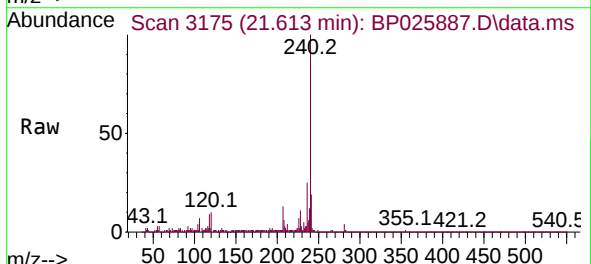
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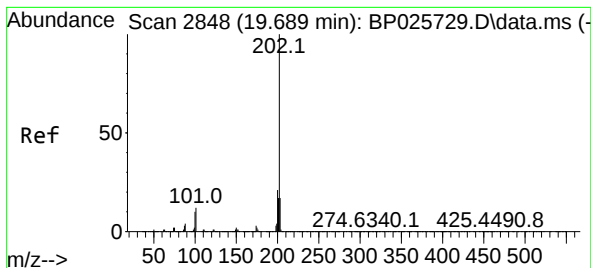
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.029 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Tgt Ion:240 Resp: 984467
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 25.5 20.7 31.1





#78

Pyrene

Concen: 10.560 ng

RT: 19.678 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Instrument :

BNA_P

ClientSampleId :

OR-03-092625

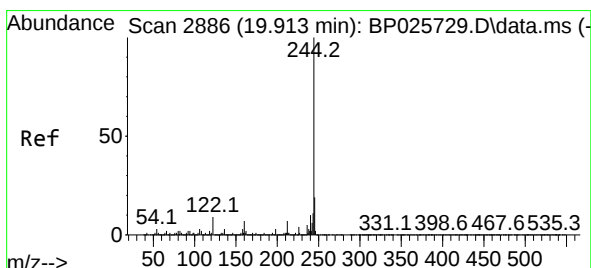
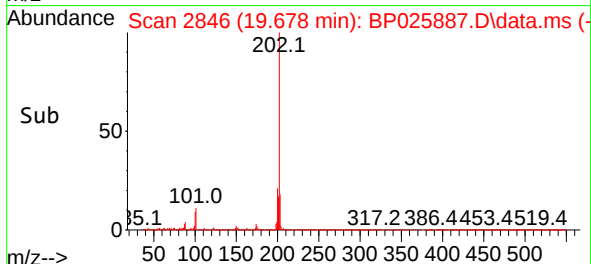
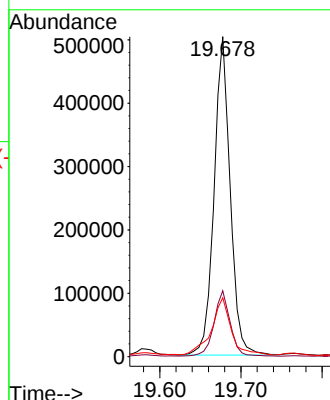
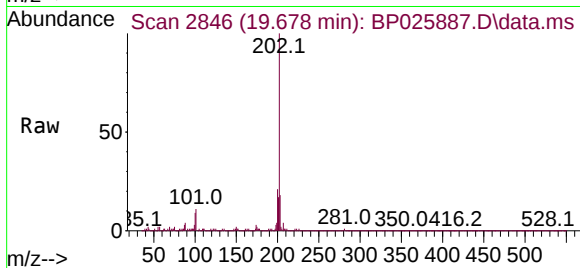
Tgt Ion:	202	Resp:	69364
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.0	25.6
203	18.4	13.9	20.9

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#79

Terphenyl-d14

Concen: 10.125 ng

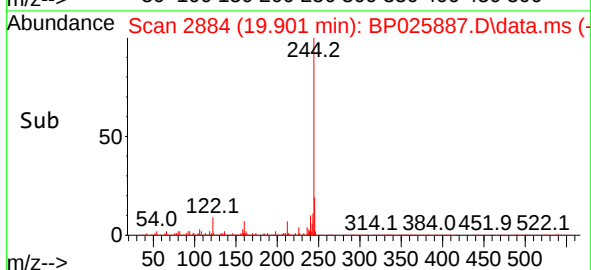
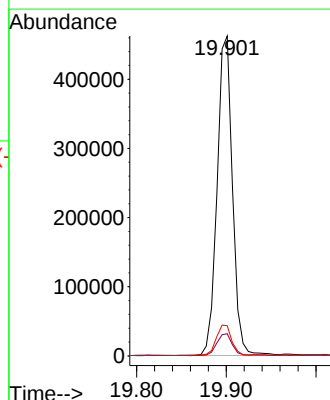
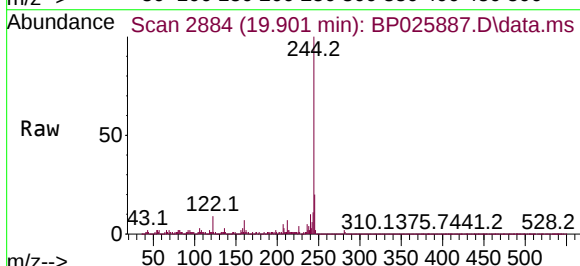
RT: 19.901 min Scan# 2884

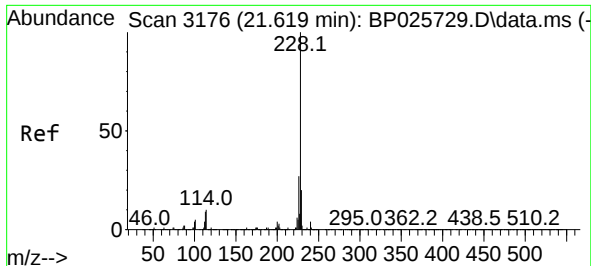
Delta R.T. -0.012 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

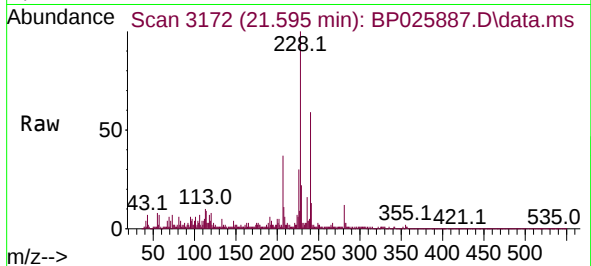
Tgt Ion:	244	Resp:	554052
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.9	8.9
122	9.4	7.1	10.7





#81
Benzo(a)anthracene
Concen: 5.031 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.023 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

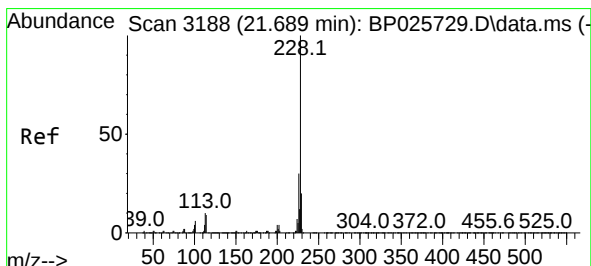
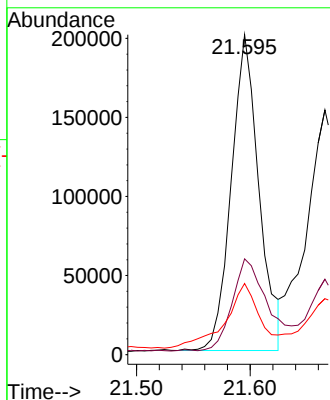
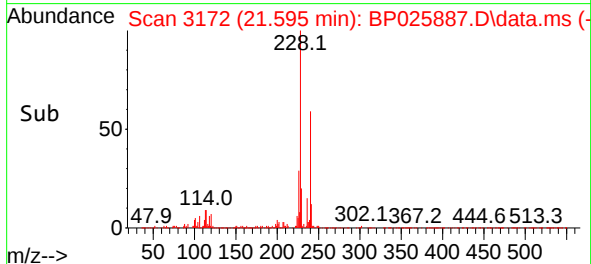
Instrument : BNA_P
ClientSampleId : OR-03-092625



Tgt Ion:228 Resp: 339050
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 22.2 15.7 23.5

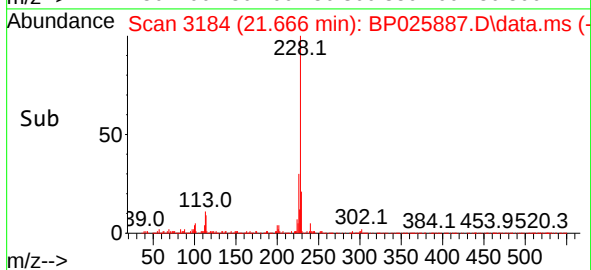
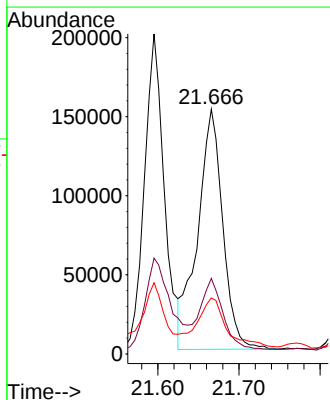
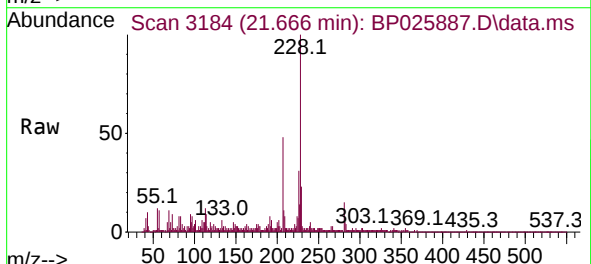
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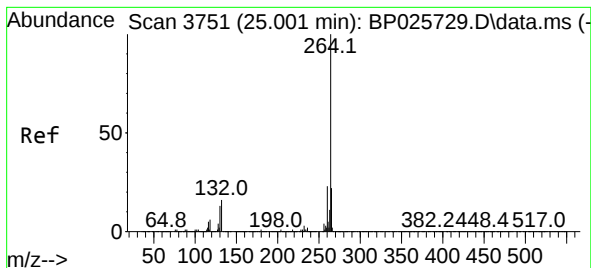
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#83
Chrysene
Concen: 5.105 ng
RT: 21.666 min Scan# 3184
Delta R.T. -0.023 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Tgt Ion:228 Resp: 328006
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Instrument :

BNA_P

ClientSampleId :

OR-03-092625

Tgt Ion:264 Resp: 109684

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

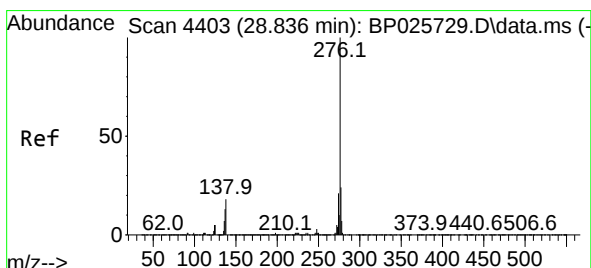
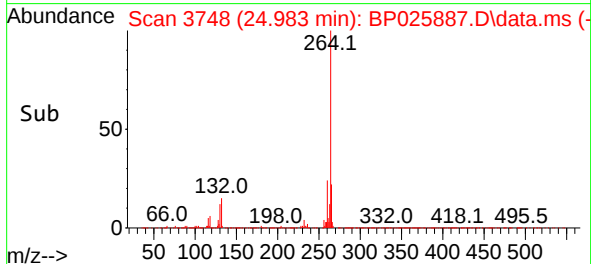
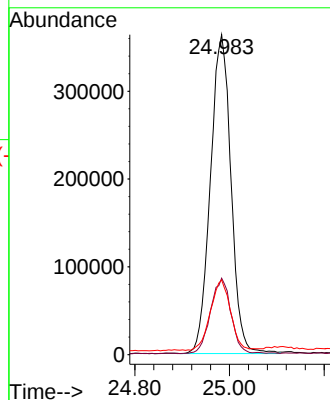
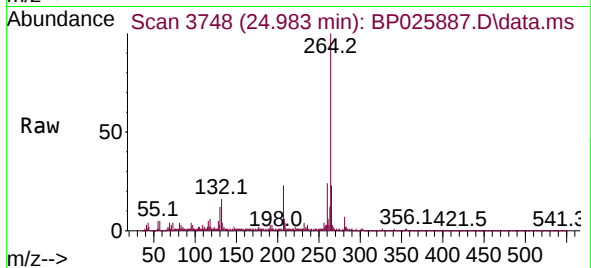
265 23.3 17.3 25.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.841 ng

RT: 28.818 min Scan# 4400

Delta R.T. -0.018 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

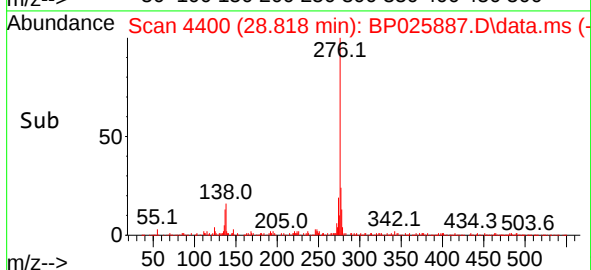
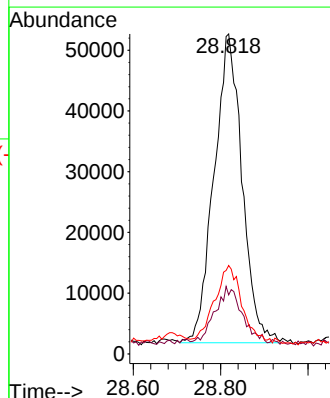
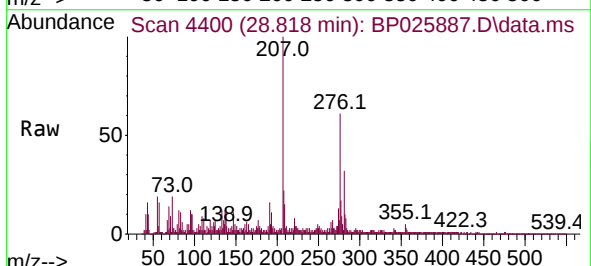
Tgt Ion:276 Resp: 226622

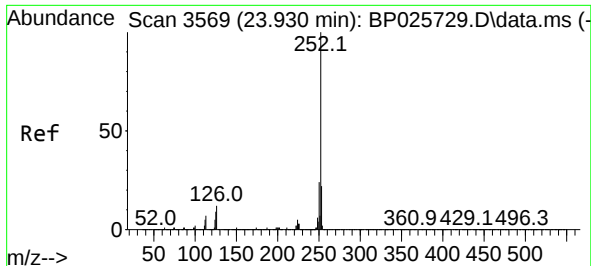
Ion Ratio Lower Upper

276 100

138 18.4 13.4 20.2

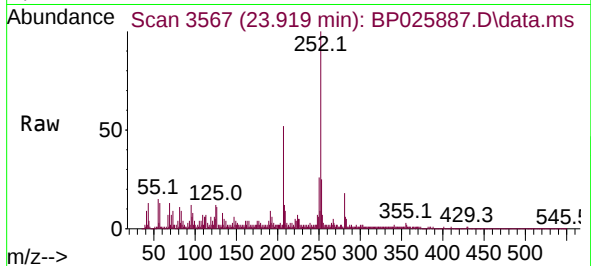
277 24.6 9.1 13.7#





#88
Benzo(b)fluoranthene
Concen: 5.939 ng m
RT: 23.919 min Scan# 3567
Delta R.T. -0.012 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

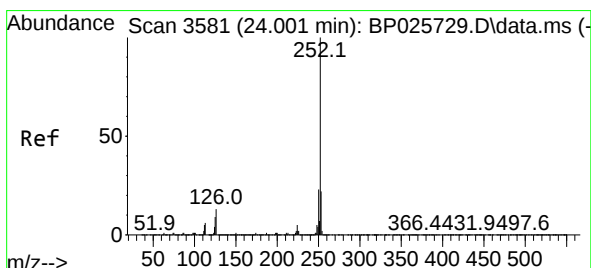
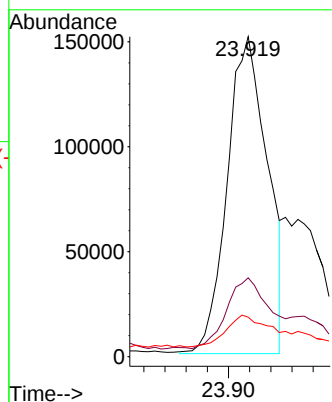
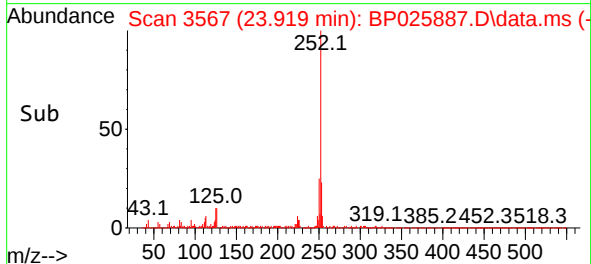
Instrument : BNA_P
ClientSampleId : OR-03-092625



Tgt Ion:252 Resp: 398372
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 12.3 7.3 10.9

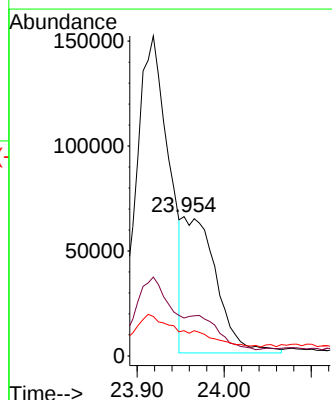
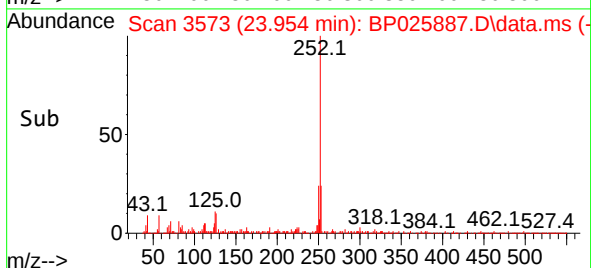
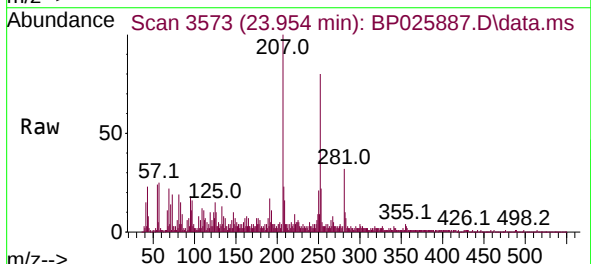
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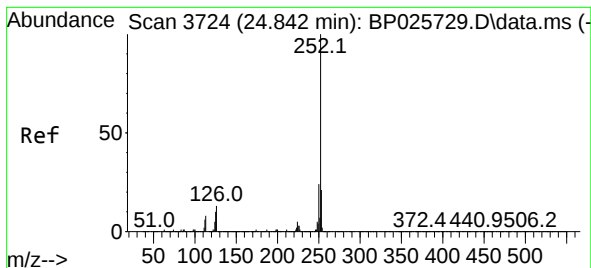
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#89
Benzo(k)fluoranthene
Concen: 2.554 ng m
RT: 23.954 min Scan# 3573
Delta R.T. -0.047 min
Lab File: BP025887.D
Acq: 29 Sep 2025 19:11

Tgt Ion:252 Resp: 174774
Ion Ratio Lower Upper
252 100
253 27.2 17.5 26.3#
125 18.1 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 5.218 ng

RT: 24.807 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Instrument :

BNA_P

ClientSampleId :

OR-03-092625

Tgt Ion: 252 Resp: 342718

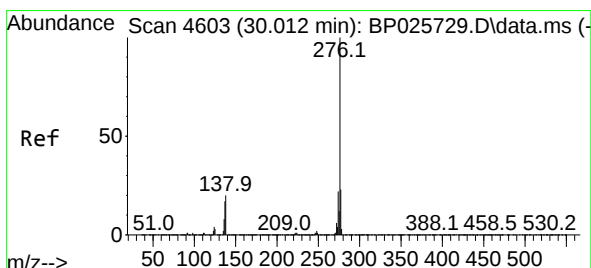
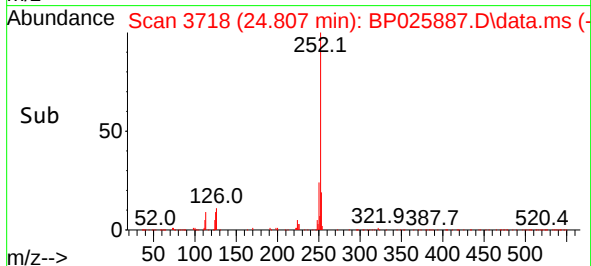
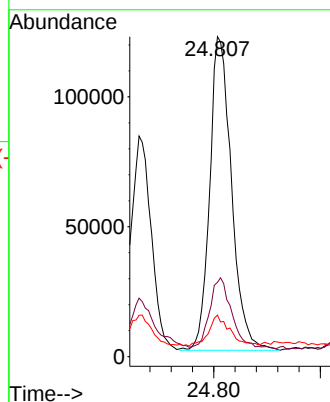
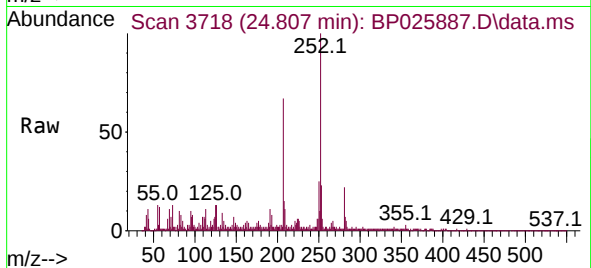
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	13.0	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#92

Benzo(g,h,i)perylene

Concen: 3.743 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.023 min

Lab File: BP025887.D

Acq: 29 Sep 2025 19:11

Tgt Ion: 276 Resp: 240276

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.7	28.1
138	20.1	16.0	24.0

