

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025889.D
 Acq On : 29 Sep 2025 20:33
 Operator : CG/JU
 Sample : Q3222-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-092625

Quant Time: Sep 30 05:09:29 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	196328	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	804197	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	560676	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	1076340	20.000	ng	-0.01
76) Chrysene-d12	21.613	240	929551	20.000	ng	-0.03
86) Perylene-d12	24.971	264	1074841	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	209212	17.194	ng	0.00
7) Phenol-d6	6.955	99	247047	15.275	ng	0.00
23) Nitrobenzene-d5	8.896	82	158792	8.710	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	130513	18.663	ng	-0.02
45) 2-Fluorobiphenyl	12.972	172	403180	9.575	ng	-0.02
79) Terphenyl-d14	19.883	244	574266	11.114	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.219	178	619290	10.143	ng	99
72) Anthracene	17.301	178	180863	2.920	ng	98
75) Fluoranthene	19.307	202	1371099	18.724	ng	99
78) Pyrene	19.683	202	1278585	20.614	ng	99
81) Benzo(a)anthracene	21.595	228	692034	10.874	ng	98
83) Chrysene	21.654	228	655969	10.813	ng	97
87) Indeno(1,2,3-cd)pyrene	28.806	276	459265	5.876	ng	# 61
88) Benzo(b)fluoranthene	23.912	252	877340	13.348	ng	# 96
89) Benzo(k)fluoranthene	23.983	252	326447m	4.867	ng	
90) Benzo(a)pyrene	24.812	252	658921	10.237	ng	95
92) Benzo(g,h,i)perylene	30.012	276	436340	6.937	ng	98

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

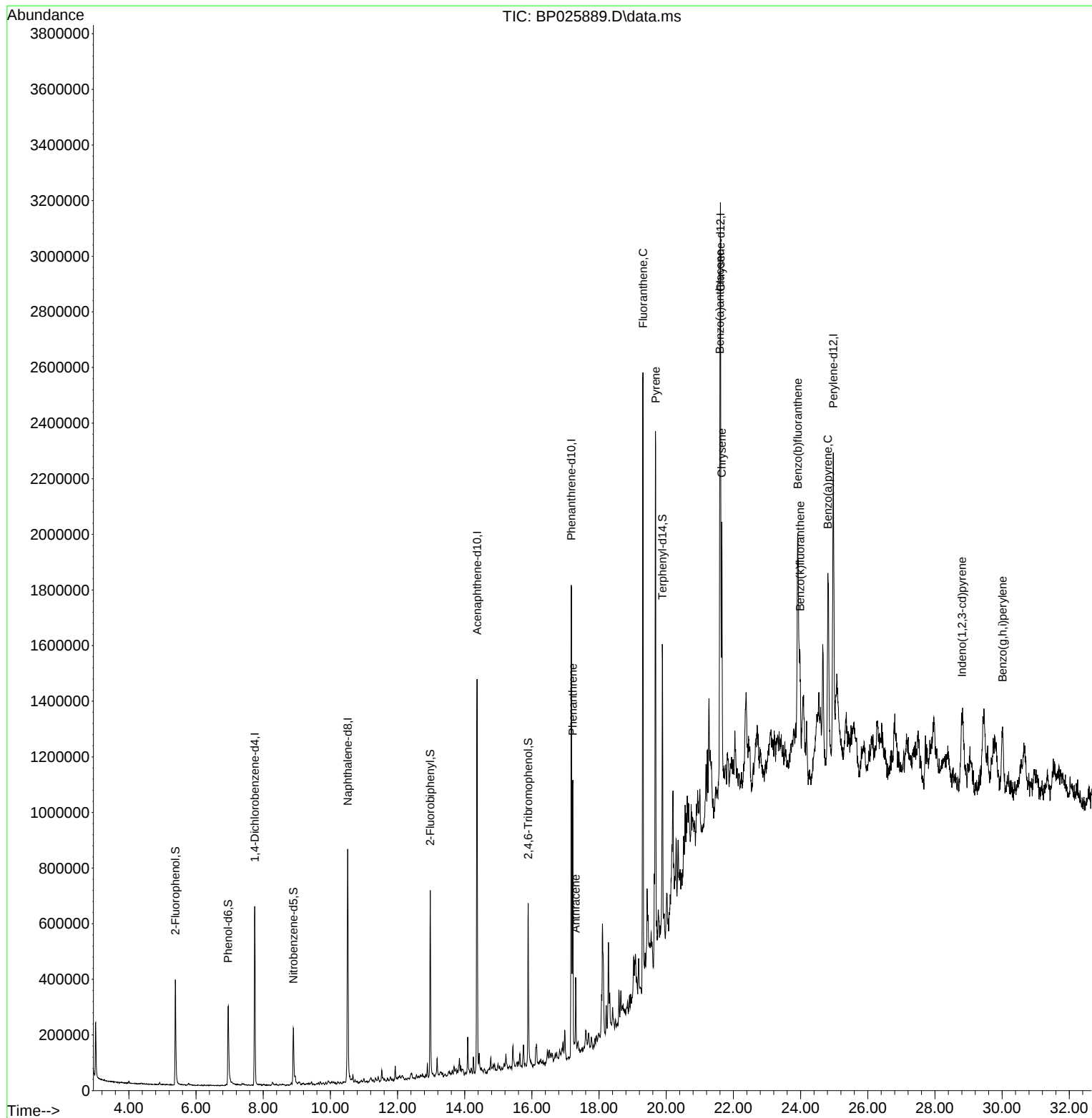
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Data File : BP025889.D
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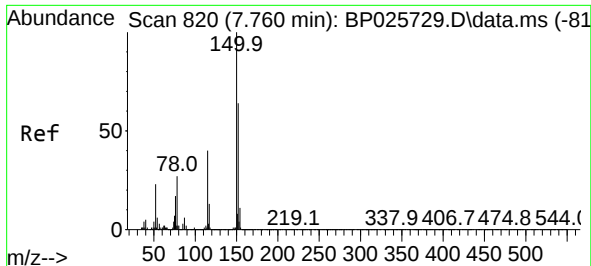
Instrument :
BNA_P
ClientSampleId :
SU-03-092625

Quant Time: Sep 30 05:09:29 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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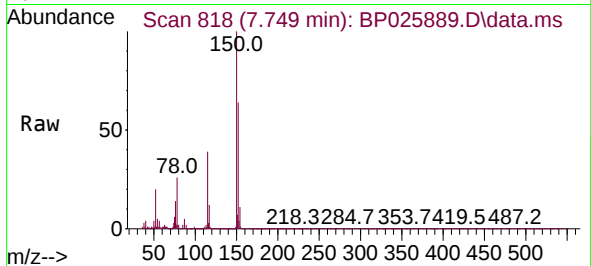
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Supervised By :Jagrut Upadhyay 09/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

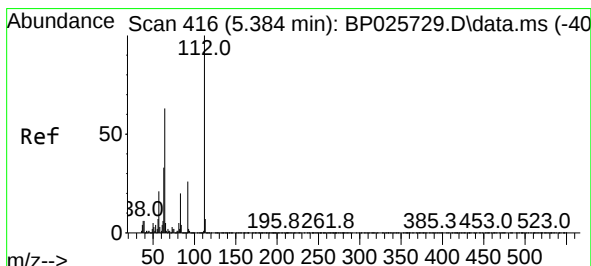
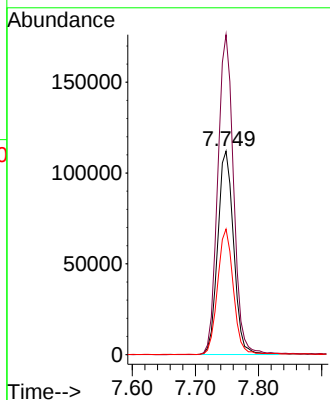
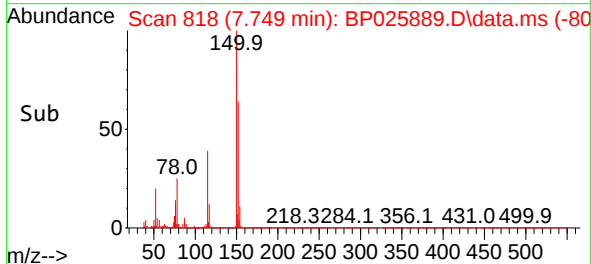
Instrument :
BNA_P
ClientSampleId :
SU-03-092625



Tgt Ion:152 Resp: 196328
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 61.7 50.3 75.5

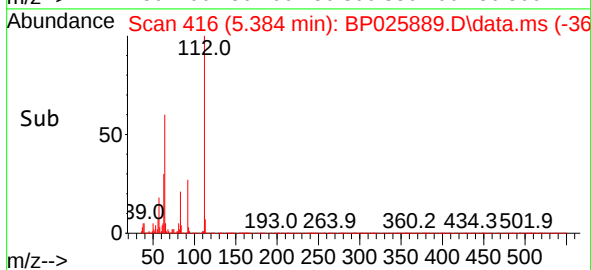
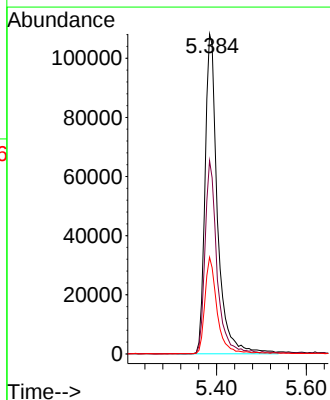
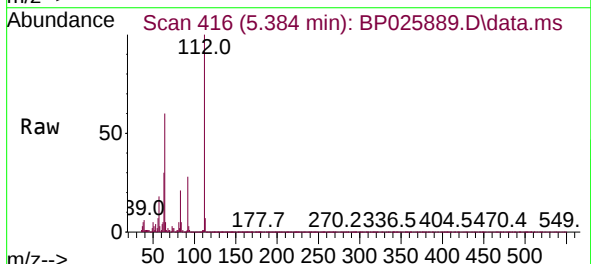
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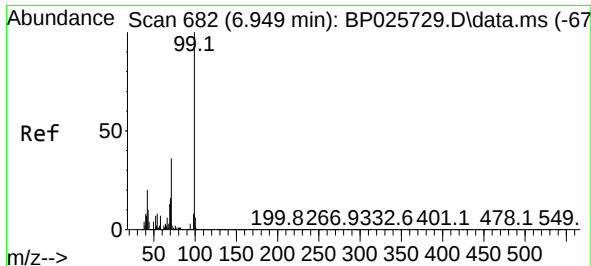
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Supervised By :Jagrut Upadhyay 09/30/2025



#5
2-Fluorophenol
Concen: 17.194 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

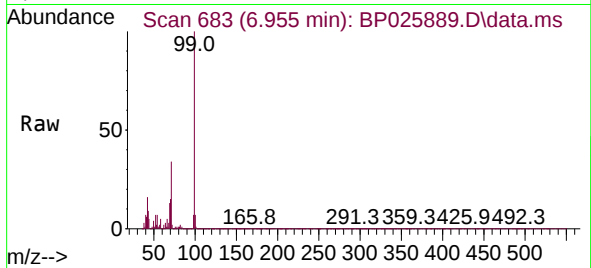
Tgt Ion:112 Resp: 209212
Ion Ratio Lower Upper
112 100
64 60.4 50.2 75.4
63 30.2 26.7 40.1





#7
Phenol-d6
Concen: 15.275 ng
RT: 6.955 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

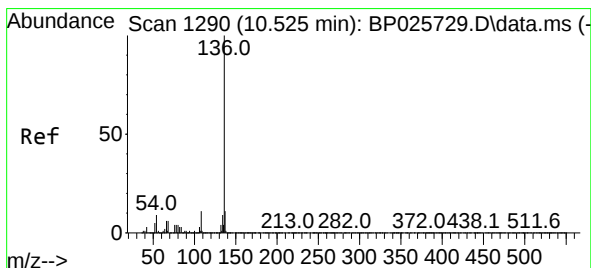
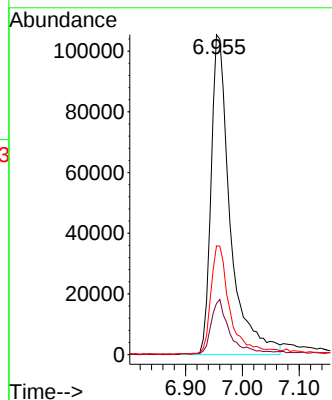
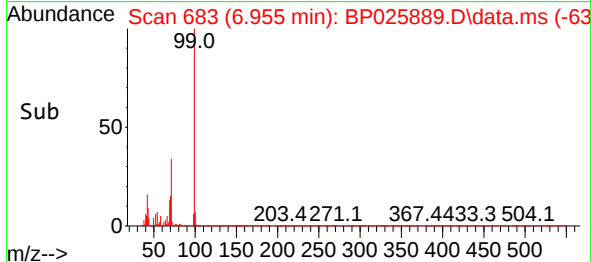
Instrument :
BNA_P
ClientSampleId :
SU-03-092625



Tgt Ion: 99 Resp: 24704
Ion Ratio Lower Upper
99 100
42 16.0 15.6 23.4
71 34.0 28.6 43.0

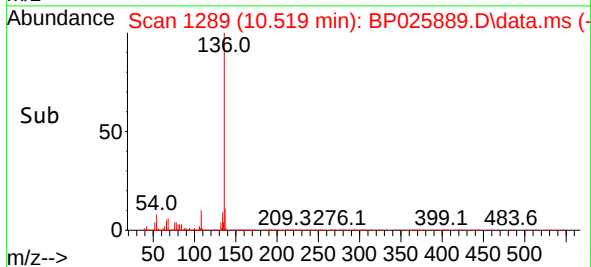
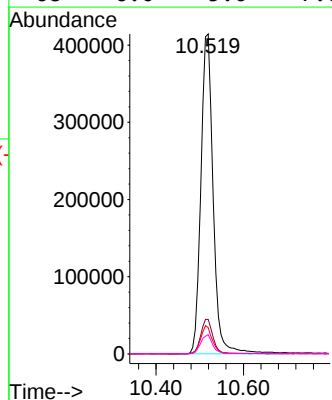
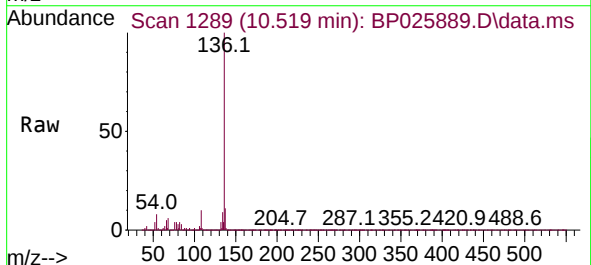
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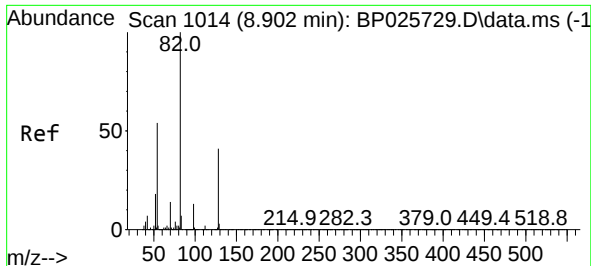
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

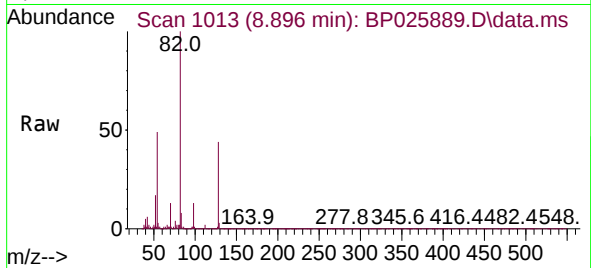
Tgt Ion:136 Resp: 804197
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.2 7.5 11.3
68 6.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 8.710 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

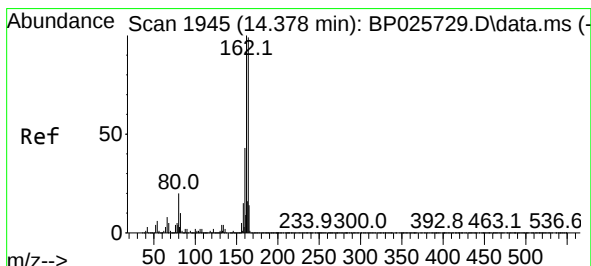
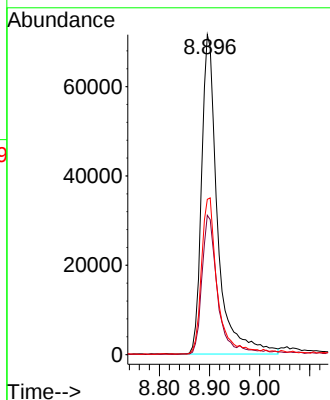
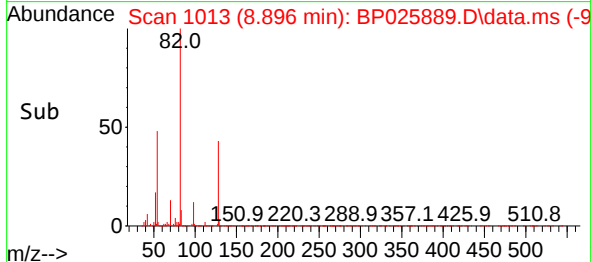
Instrument :
BNA_P
ClientSampleId :
SU-03-092625



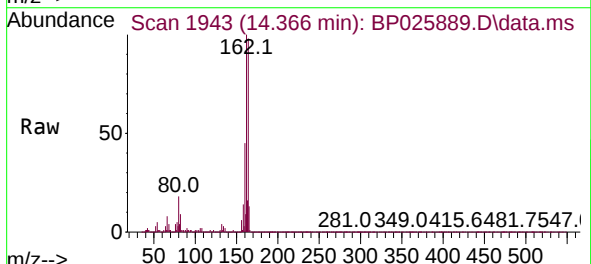
Tgt Ion: 82 Resp: 158792
Ion Ratio Lower Upper
82 100
128 43.5 32.9 49.3
54 48.5 43.4 65.2

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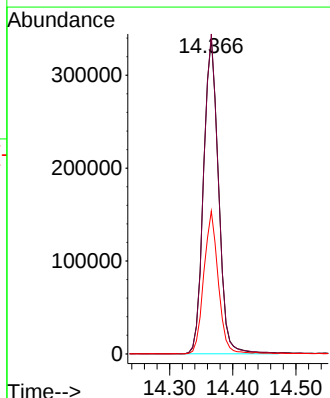
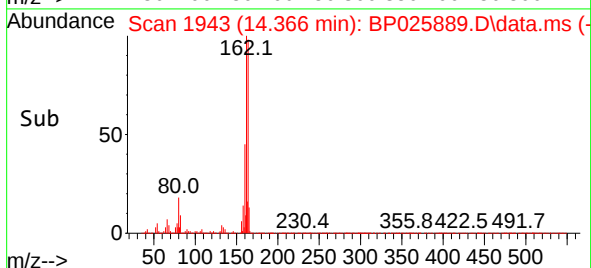
Reviewed By :Rahul Chavli 09/30/2025
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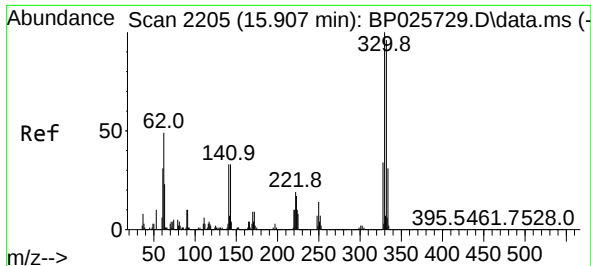


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33



Tgt Ion:164 Resp: 560676
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.4 35.0 52.6





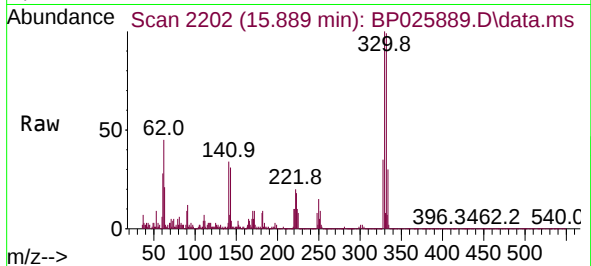
#42
2,4,6-Tribromophenol
Concen: 18.663 ng
RT: 15.889 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625



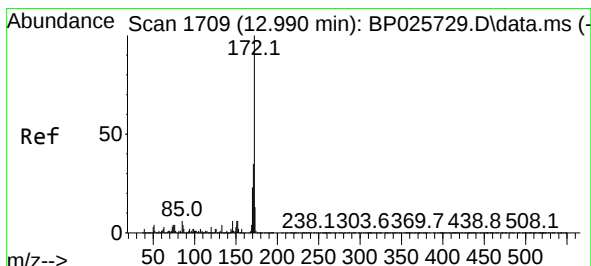
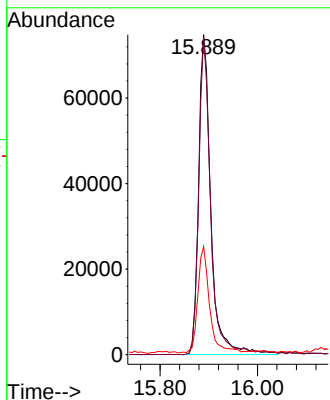
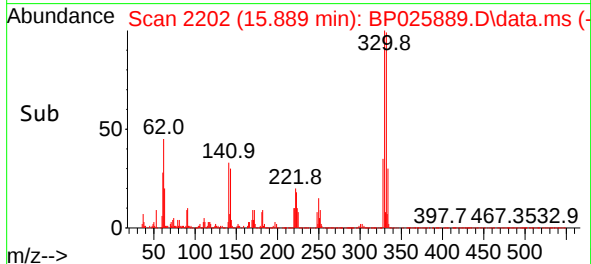
Tgt Ion:330 Resp: 130513
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 31.5 31.0 46.4

Manual Integrations

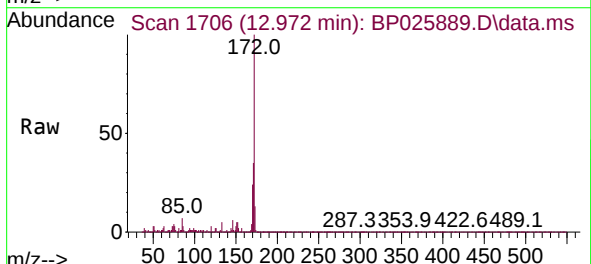
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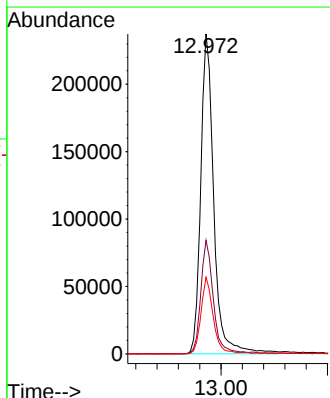
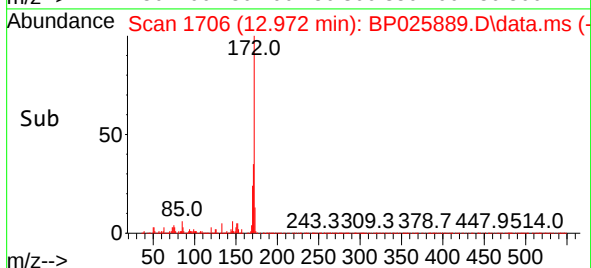
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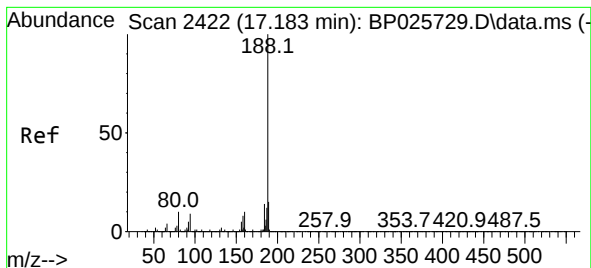


#45
2-Fluorobiphenyl
Concen: 9.575 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33



Tgt Ion:172 Resp: 403180
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 23.9 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: BP025889.D
Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

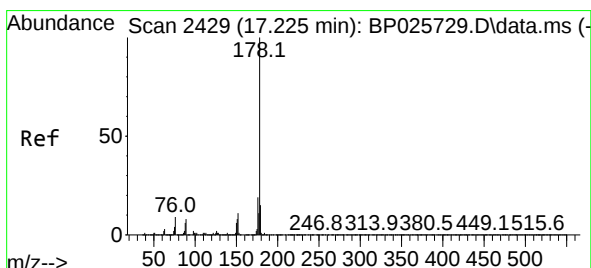
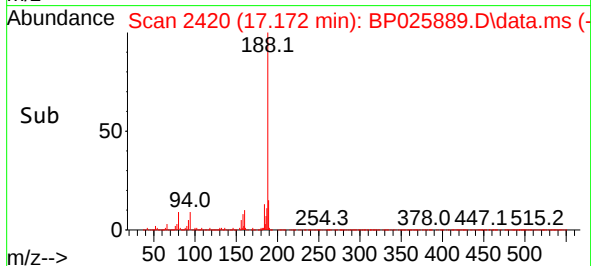
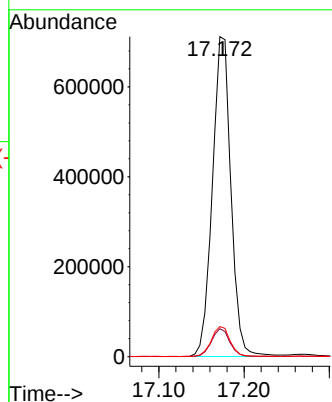
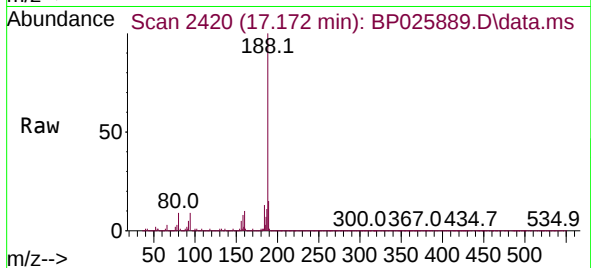
SU-03-092625

Tgt Ion:188 Resp: 1076340
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.4 7.7 11.5

Manual Integrations

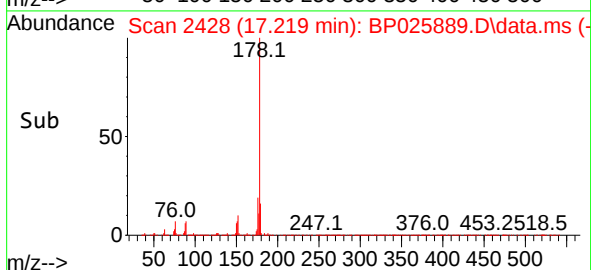
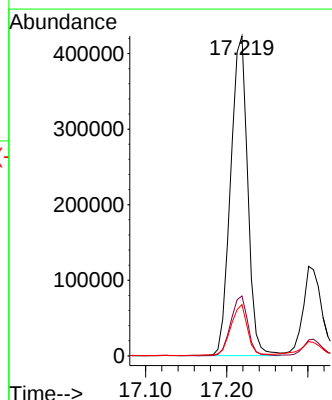
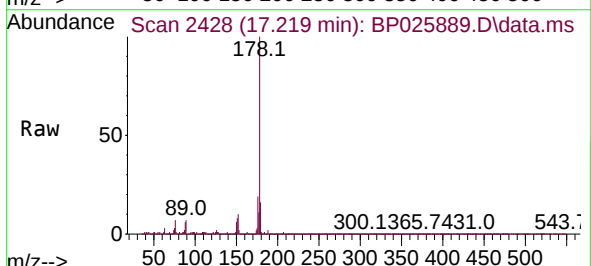
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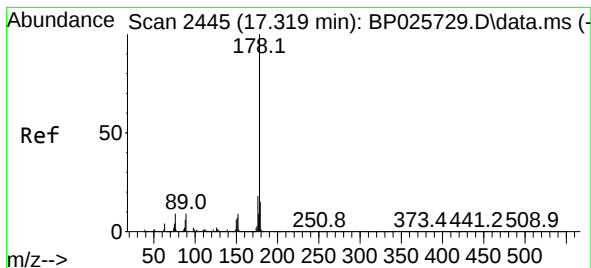
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#71
Phenanthrene
Concen: 10.143 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025889.D
Acq: 29 Sep 2025 20:33

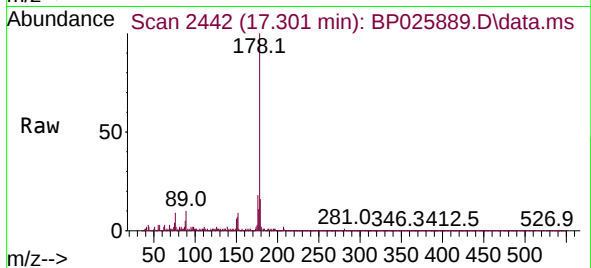
Tgt Ion:178 Resp: 619290
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 16.0 12.2 18.4





#72
 Anthracene
 Concen: 2.920 ng
 RT: 17.301 min Scan# 2445
 Delta R.T. -0.018 min
 Lab File: BP025889.D
 Acq: 29 Sep 2025 20:33

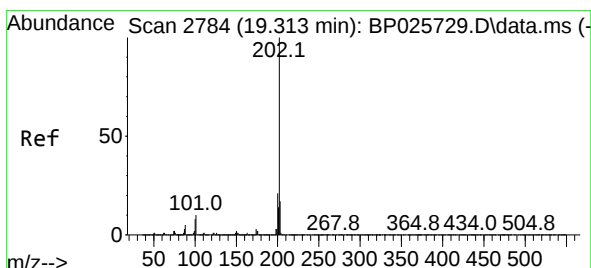
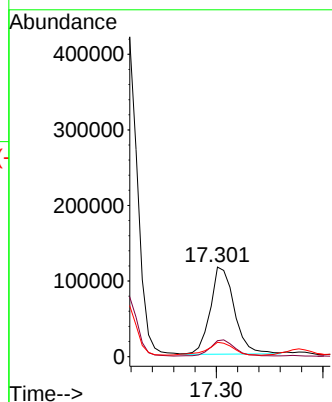
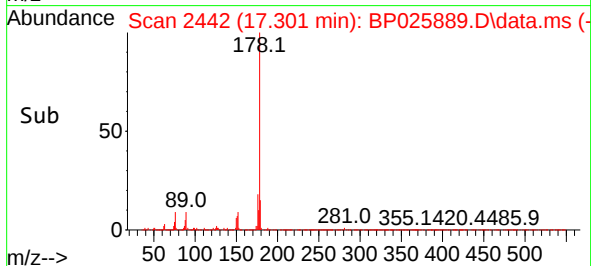
Instrument :
 BNA_P
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 SU-03-092625



Tgt Ion:178 Resp: 180863
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 16.0 12.2 18.4

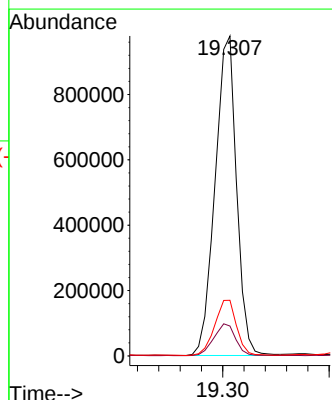
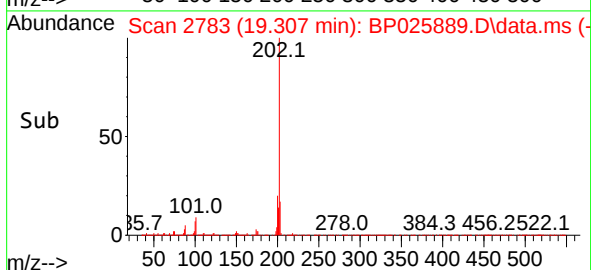
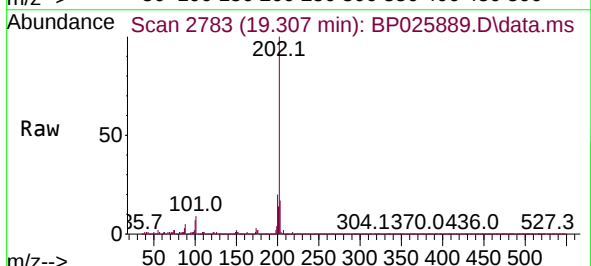
Manual Integrations
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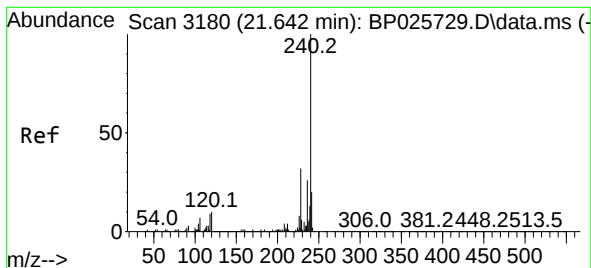
Reviewed By :Rahul Chavli 09/30/2025
 Supervised By :Jagrut Upadhyay 09/30/2025



#75
 Fluoranthene
 Concen: 18.724 ng
 RT: 19.307 min Scan# 2783
 Delta R.T. -0.006 min
 Lab File: BP025889.D
 Acq: 29 Sep 2025 20:33

Tgt Ion:202 Resp: 1371099
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.4
 203 17.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

Tgt Ion:240 Resp: 92955

Ion Ratio Lower Upper

240 100

120 9.6 8.0 12.0

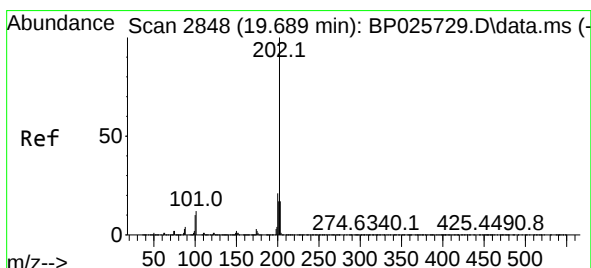
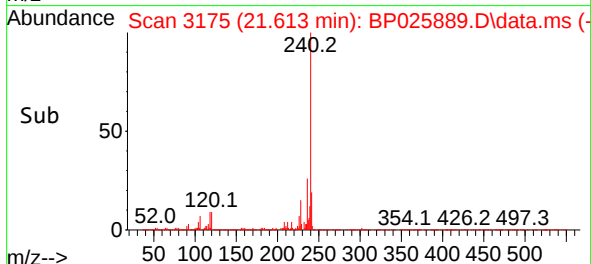
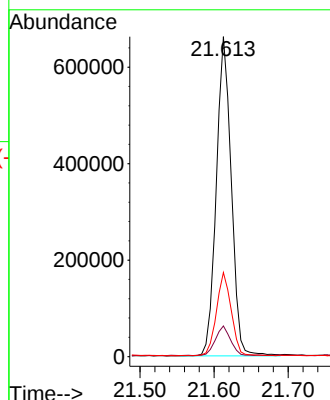
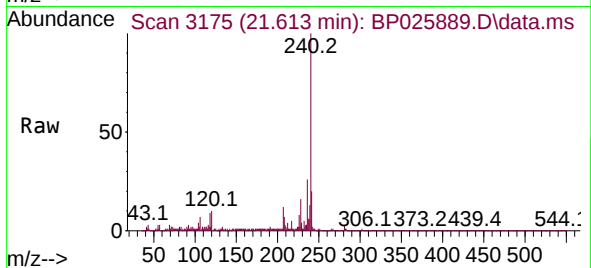
236 26.3 20.7 31.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/30/2025



#78

Pyrene

Concen: 20.614 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

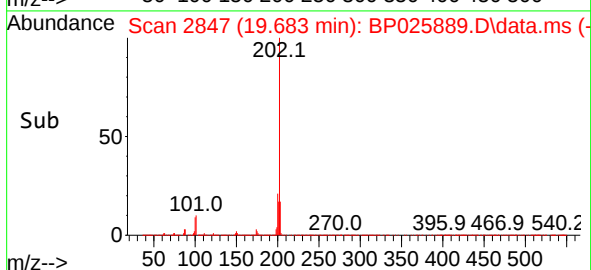
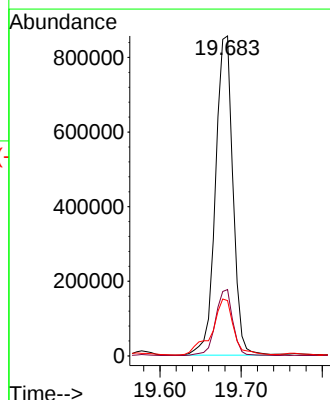
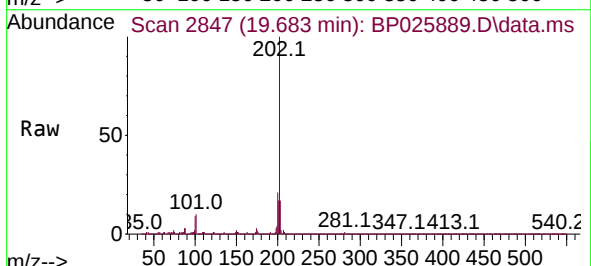
Tgt Ion:202 Resp: 1278585

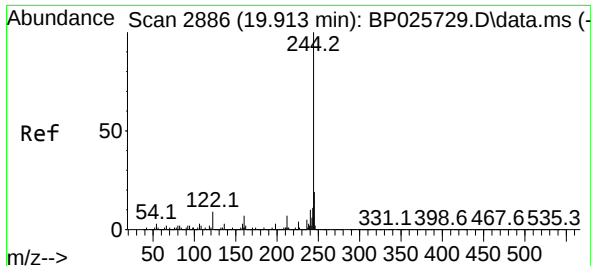
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 17.3 13.9 20.9





#79
 Terphenyl-d14
 Concen: 11.114 ng
 RT: 19.883 min Scan# 2881
 Delta R.T. -0.030 min
 Lab File: BP025889.D
 Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

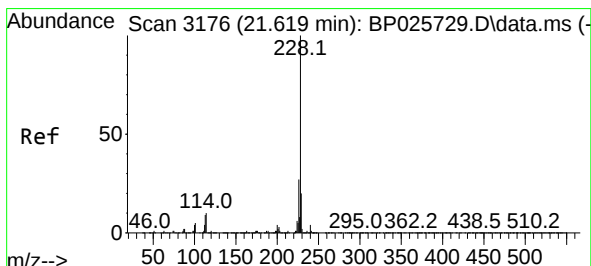
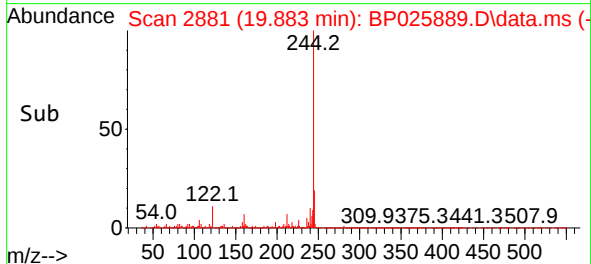
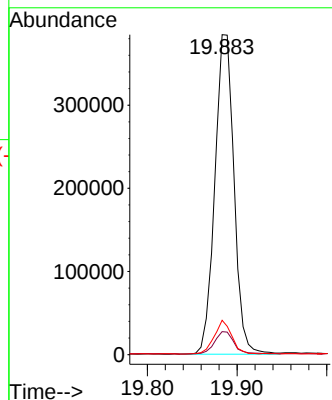
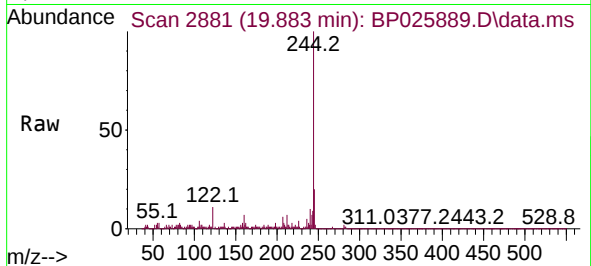
Tgt Ion:244 Resp: 574266
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.7 7.1 10.7

Manual Integrations

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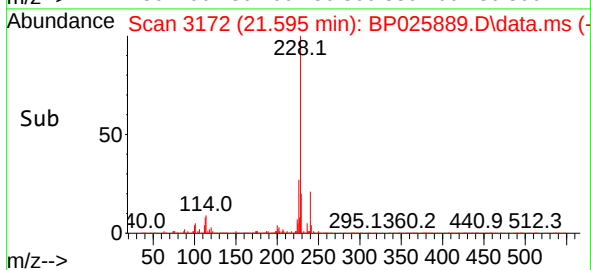
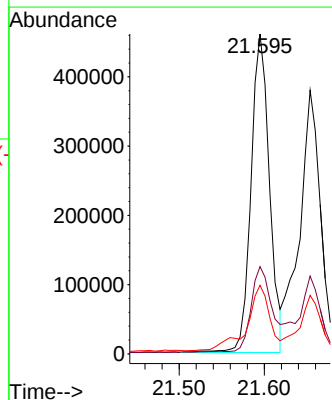
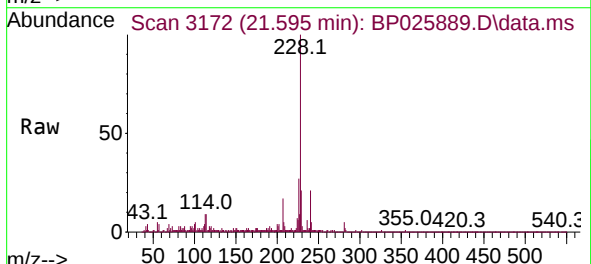
Reviewed By :Rahul Chavli 09/30/2025

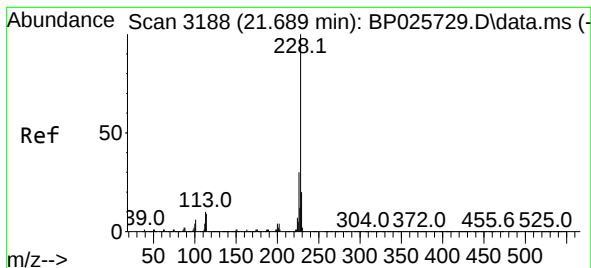
Supervised By :Jagrut Upadhyay 09/30/2025



#81
 Benzo(a)anthracene
 Concen: 10.874 ng
 RT: 21.595 min Scan# 3172
 Delta R.T. -0.024 min
 Lab File: BP025889.D
 Acq: 29 Sep 2025 20:33

Tgt Ion:228 Resp: 692034
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.6 32.4
 229 21.4 15.7 23.5





#83

Chrysene

Concen: 10.813 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

Tgt Ion:228 Resp: 655969

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

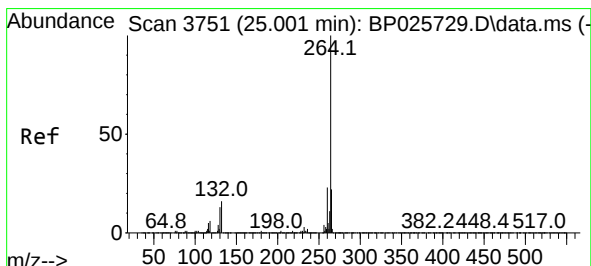
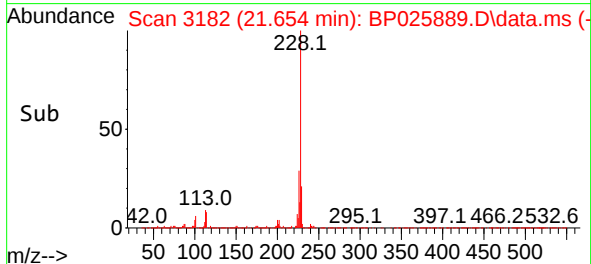
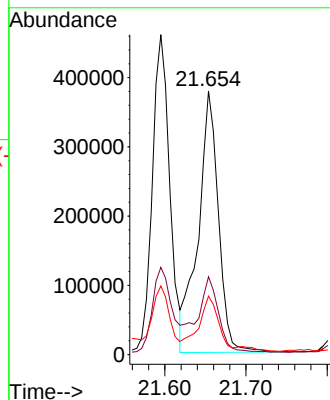
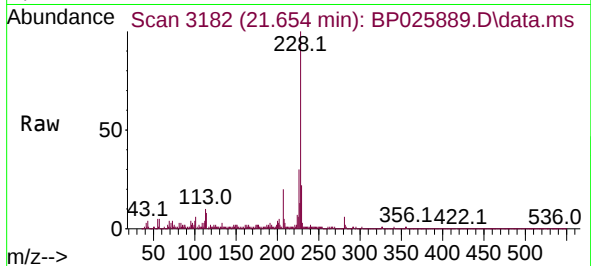
229 22.2 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.971 min Scan# 3746

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

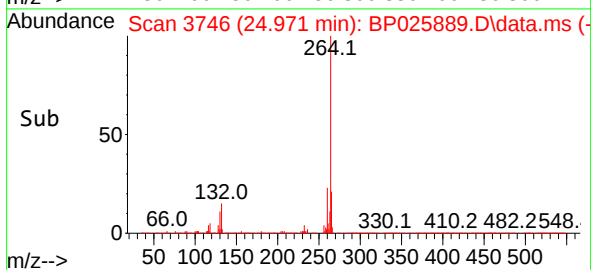
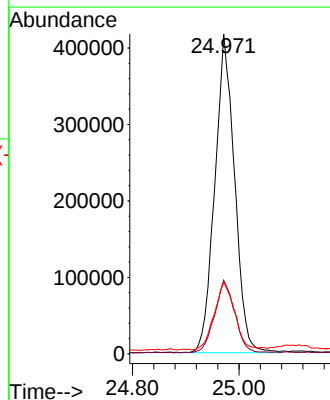
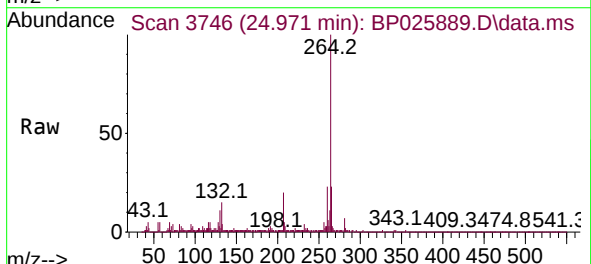
Tgt Ion:264 Resp: 1074841

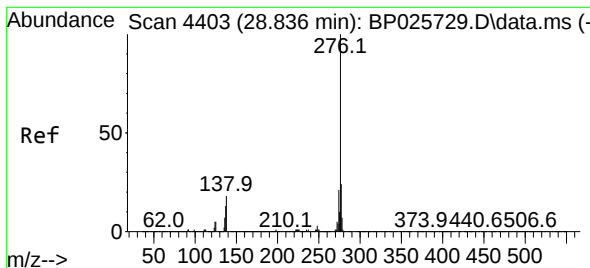
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.876 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.030 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

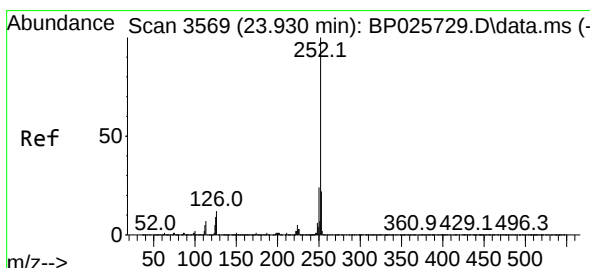
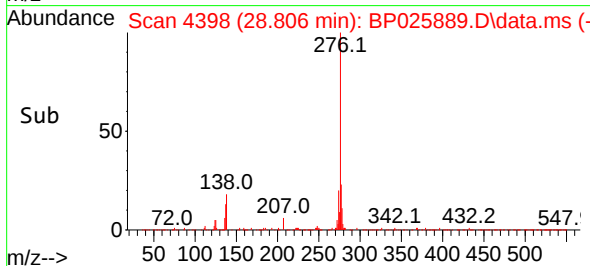
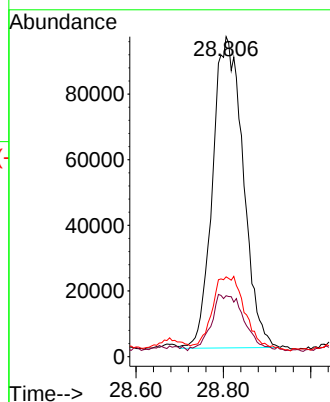
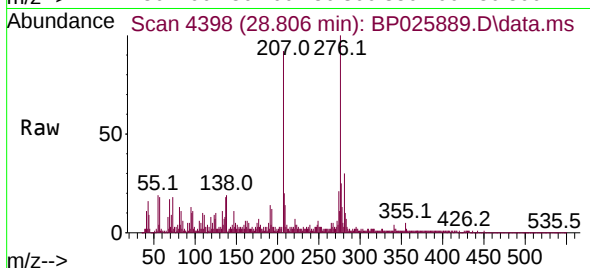
Tgt Ion:	276	Resp:	45926
Ion Ratio	Lower	Upper	
276	100		
138	0.0	13.4	20.2
277	26.3	9.1	13.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#88

Benzo(b)fluoranthene

Concen: 13.348 ng

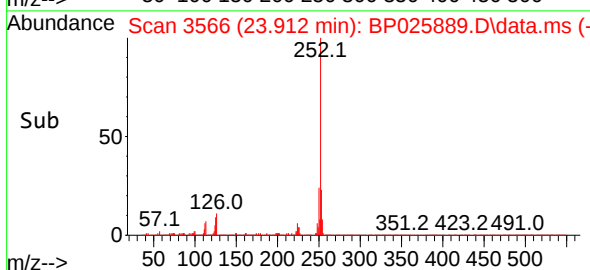
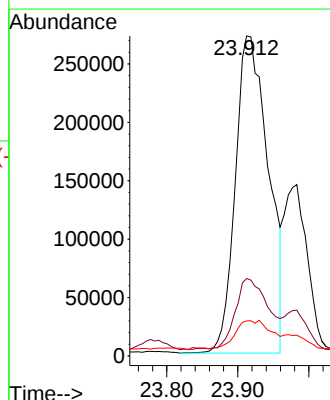
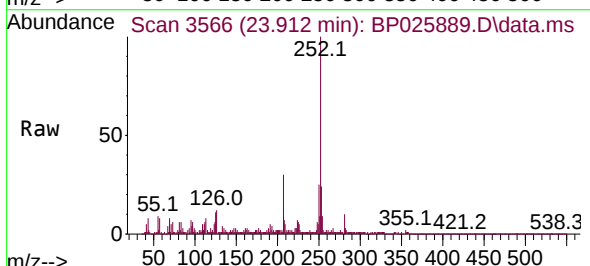
RT: 23.912 min Scan# 3566

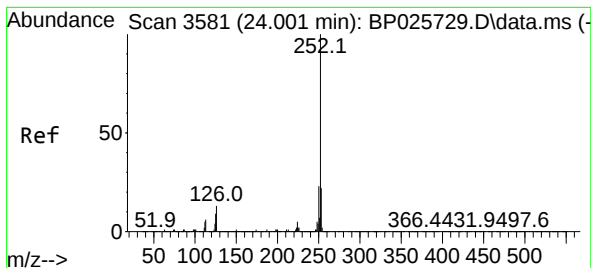
Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Tgt Ion:	252	Resp:	877340
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	10.9	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 4.867 ng m

RT: 23.983 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625

Tgt Ion:252 Resp: 32644

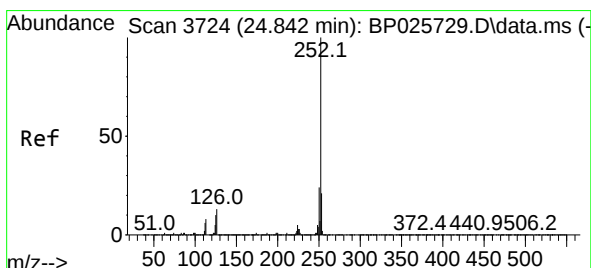
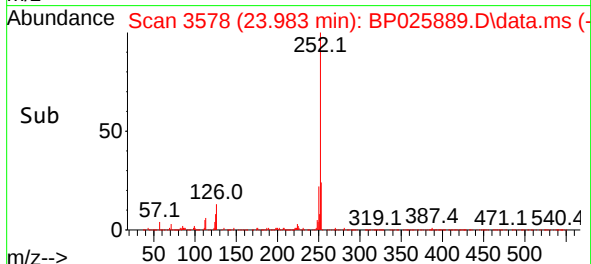
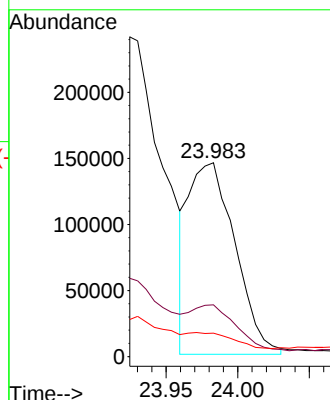
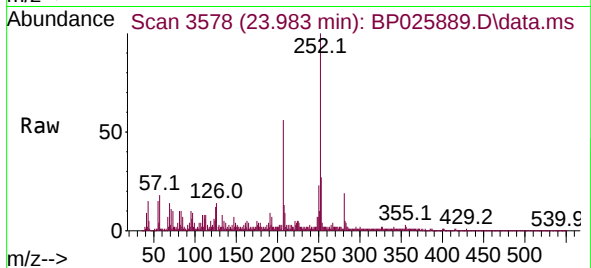
Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.5	26.3
125	12.1	7.5	11.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#90

Benzo(a)pyrene

Concen: 10.237 ng

RT: 24.812 min Scan# 3719

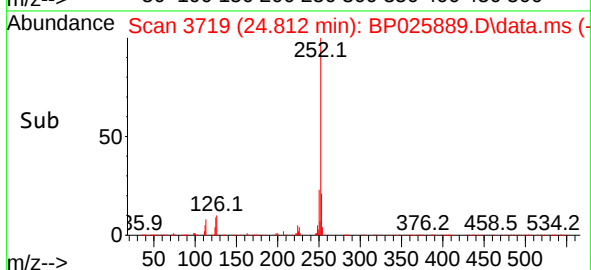
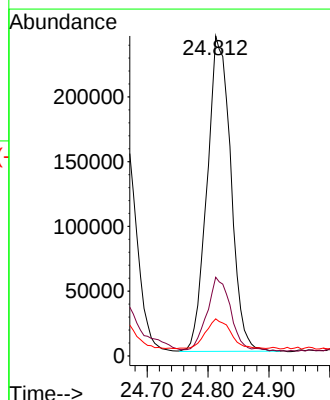
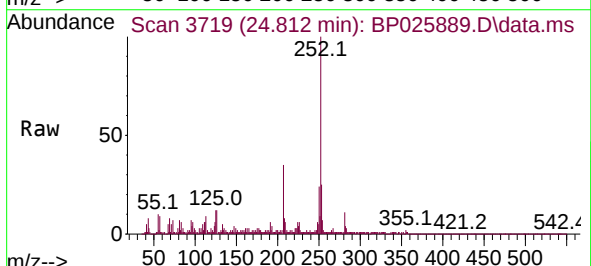
Delta R.T. -0.030 min

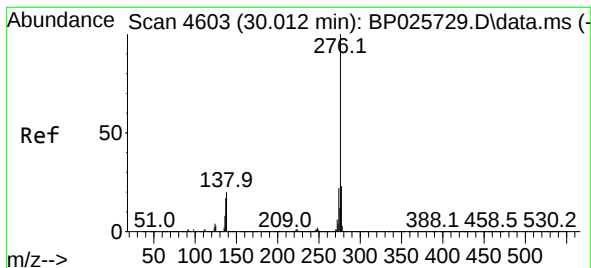
Lab File: BP025889.D

Acq: 29 Sep 2025 20:33

Tgt Ion:252 Resp: 658921

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	11.6	8.3	12.5





#92

Benzo(g,h,i)perylene

Concen: 6.937 ng

RT: 30.012 min Scan# 40

Delta R.T. -0.000 min

Lab File: BP025889.D

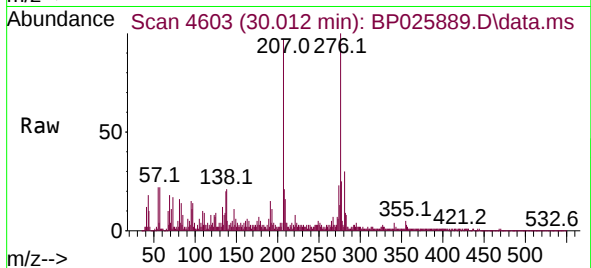
Acq: 29 Sep 2025 20:33

Instrument :

BNA_P

ClientSampleId :

SU-03-092625



Tgt Ion:276 Resp: 436340

Ion Ratio Lower Upper

276 100

277 24.9 18.7 28.1

138 20.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025

