

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025467.D
 Acq On : 18 Aug 2025 18:58
 Operator : CG/JU
 Sample : Q2832-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TG-S03

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 19 01:08:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166743	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	660243	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	424895	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	851839	20.000	ng	0.00
76) Chrysene-d12	21.636	240	883261	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1051674	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	203284	20.246	ng	0.00
7) Phenol-d6	6.961	99	261266	20.296	ng	0.00
23) Nitrobenzene-d5	8.931	82	171357	13.129	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	115156	20.135	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	420220	13.516	ng	0.00
79) Terphenyl-d14	19.919	244	712593	14.761	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.131	152	150197	3.778	ng	98
71) Phenanthrene	17.242	178	435124	9.299	ng	100
72) Anthracene	17.331	178	300242	6.283	ng	99
75) Fluoranthene	19.330	202	1493830	26.763	ng	99
78) Pyrene	19.701	202	1473195	25.661	ng	100
81) Benzo(a)anthracene	21.613	228	962691	16.526	ng	99
83) Chrysene	21.677	228	1010978m	18.532	ng	
87) Indeno(1,2,3-cd)pyrene	28.818	276	737621	9.564	ng	# 89
88) Benzo(b)fluoranthene	23.942	252	1561236	25.175	ng	98
89) Benzo(k)fluoranthene	24.007	252	591143m	9.526	ng	
90) Benzo(a)pyrene	24.848	252	853157	14.133	ng	96
91) Dibenzo(a,h)anthracene	28.877	278	201725	3.201	ng	95
92) Benzo(g,h,i)perylene	30.000	276	667740	10.778	ng	99

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

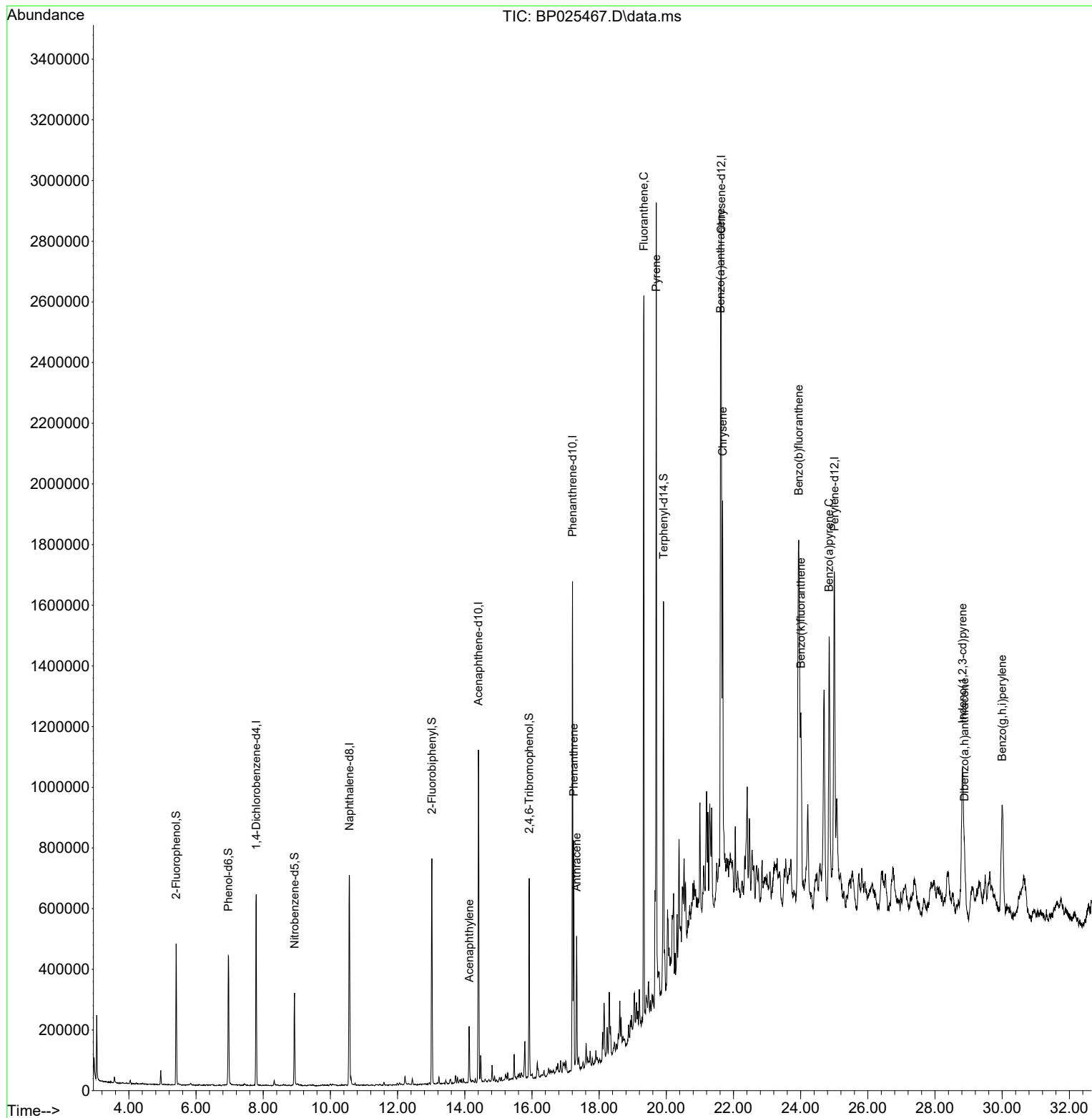
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
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ALS Vial : 14 Sample Multiplier: 1

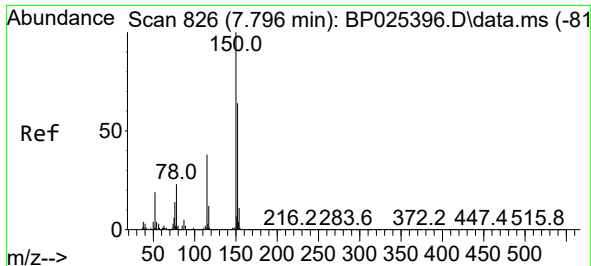
Instrument :
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Quant Time: Aug 19 01:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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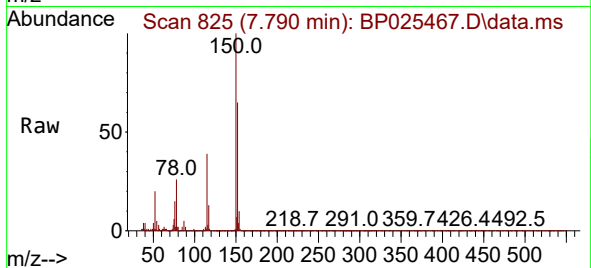
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

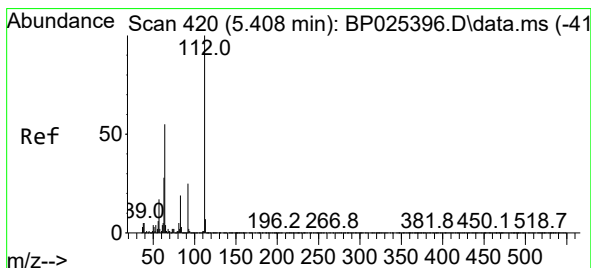
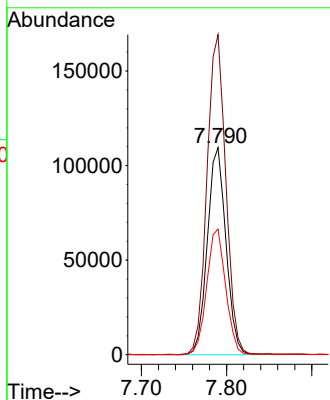
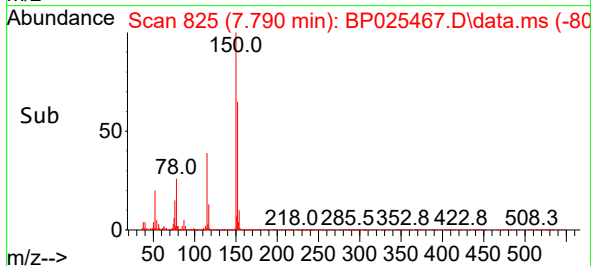
Instrument :
BNA_P
ClientSampleId :
TG-S03



Tgt Ion:152 Resp: 16674
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 60.7 48.5 72.7

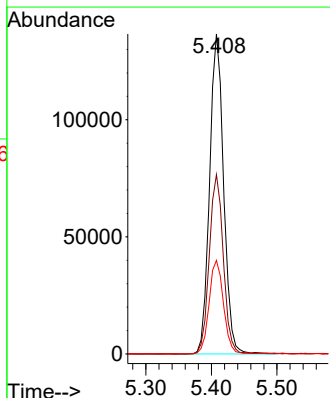
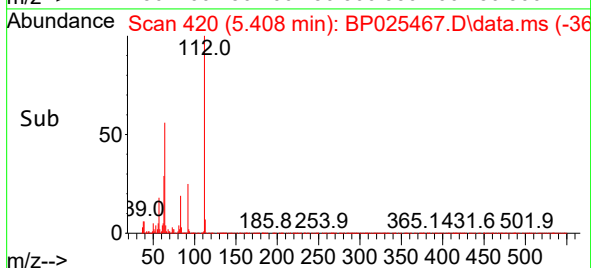
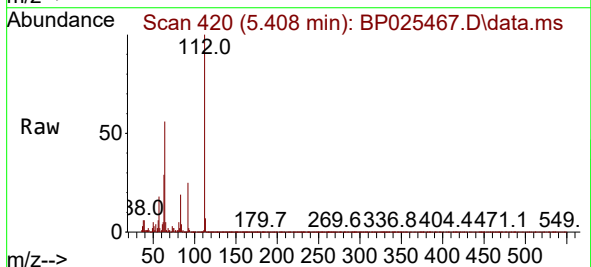
Manual Integrations
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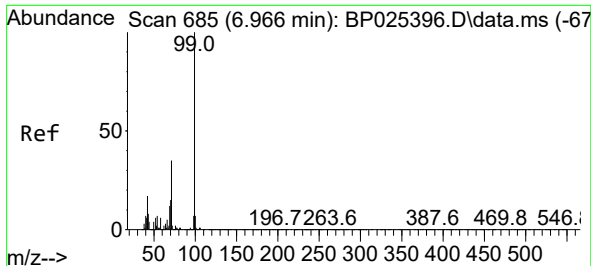
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#5
2-Fluorophenol
Concen: 20.246 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

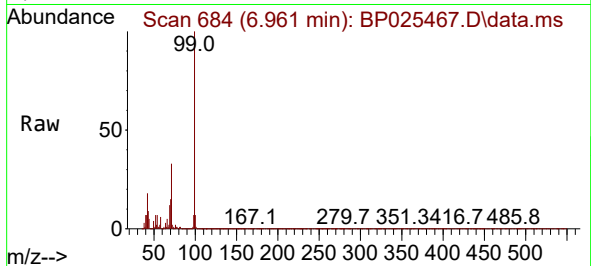
Tgt Ion:112 Resp: 203284
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 29.3 22.7 34.1





#7
Phenol-d6
Concen: 20.296 ng
RT: 6.961 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

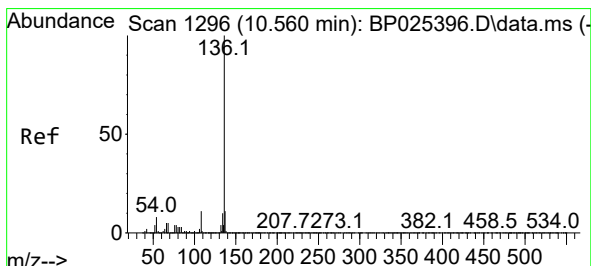
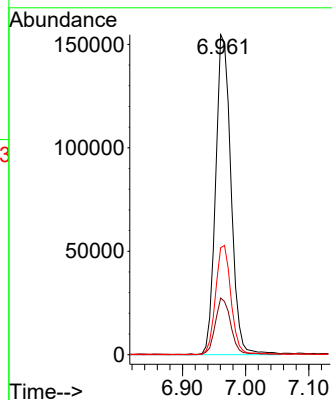
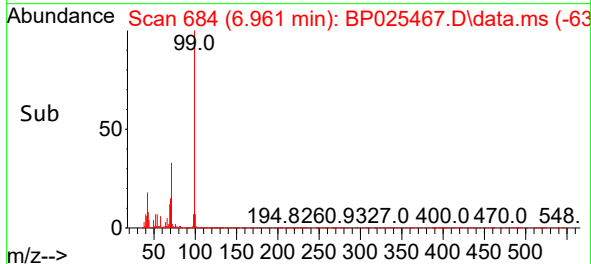
Instrument :
BNA_P
ClientSampleId :
TG-S03



Tgt Ion: 99 Resp: 261260
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 33.5 28.2 42.4

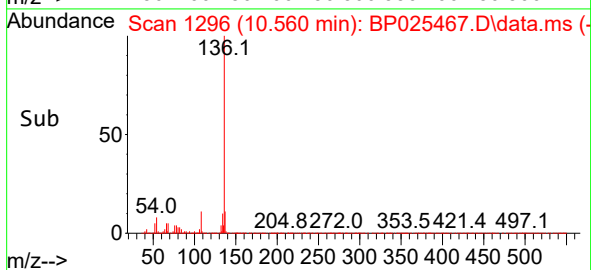
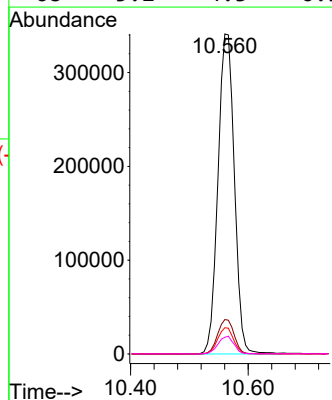
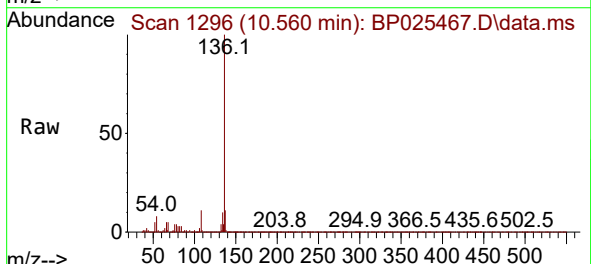
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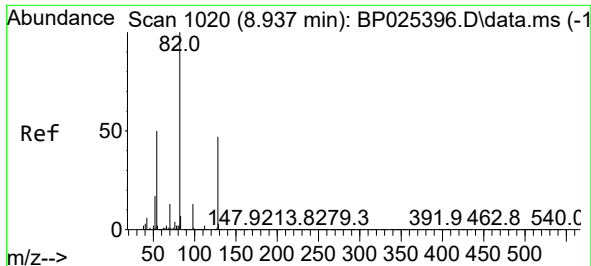
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

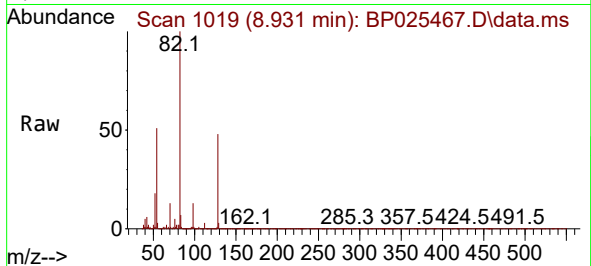
Tgt Ion:136 Resp: 660243
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.2 6.0 9.0
68 5.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 13.129 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

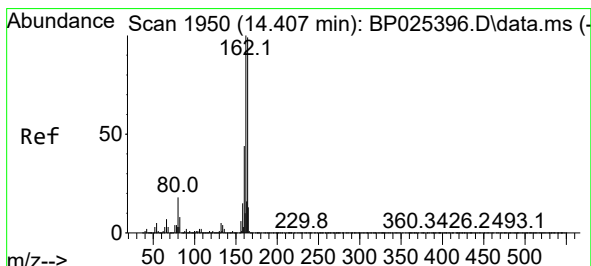
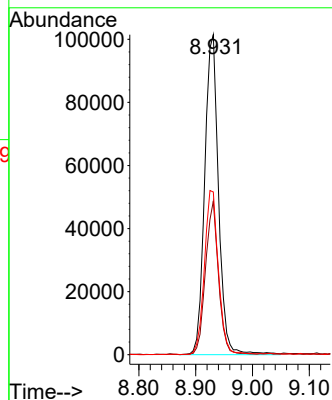
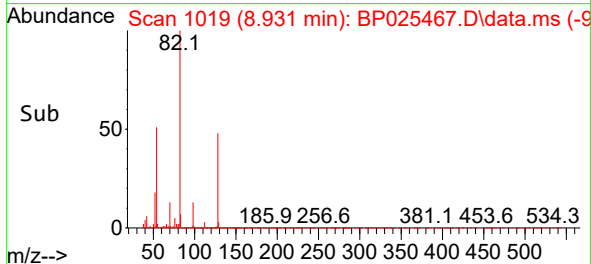
Instrument :
BNA_P
ClientSampleId :
TG-S03



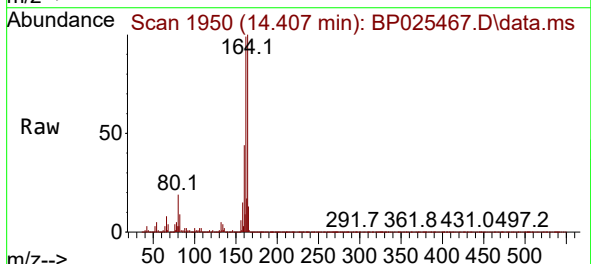
Tgt Ion: 82 Resp: 17135
Ion Ratio Lower Upper
82 100
128 48.0 37.7 56.5
54 50.9 39.8 59.6

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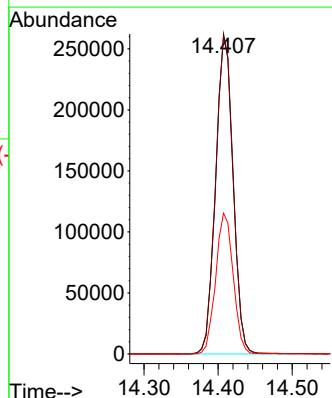
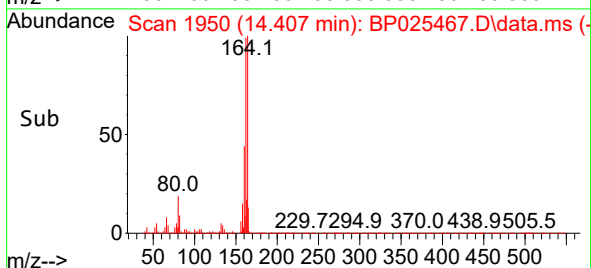
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

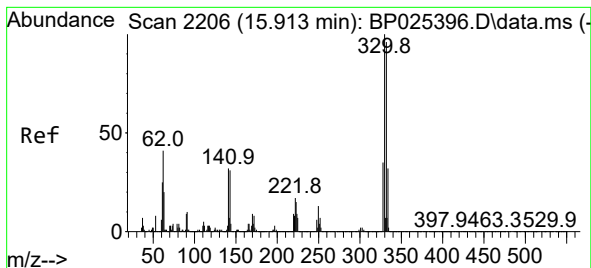


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58



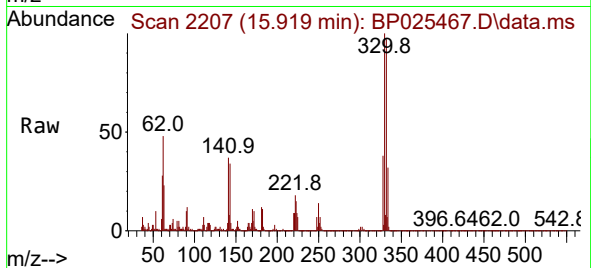
Tgt Ion:164 Resp: 424895
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.6
160 44.0 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 20.135 ng
RT: 15.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

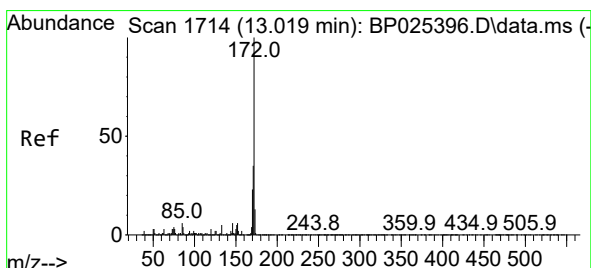
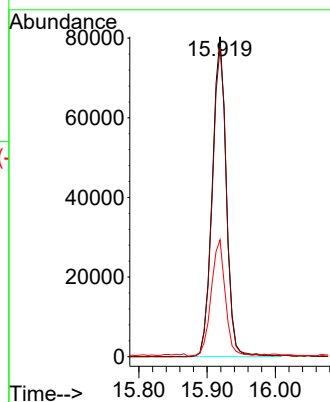
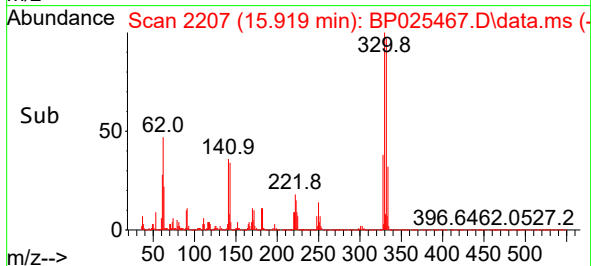
Instrument :
BNA_P
ClientSampleId :
TG-S03



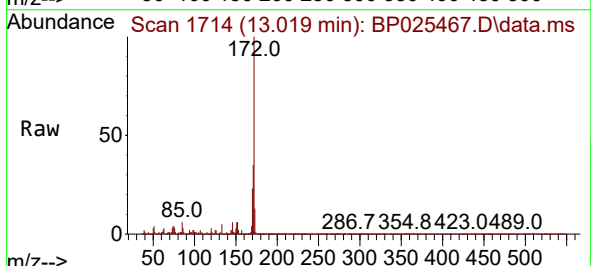
Tgt Ion: 330 Resp: 115150
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 36.7 26.6 39.8

Manual Integrations
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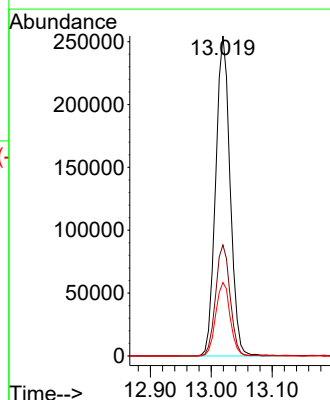
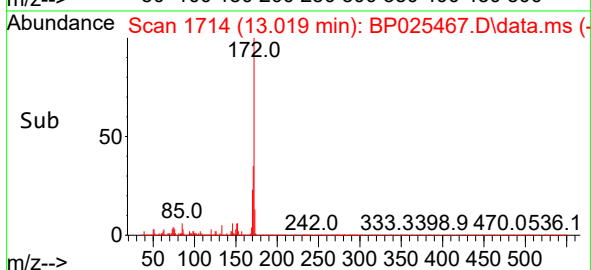
Reviewed By :Rahul Chavli 08/19/2025
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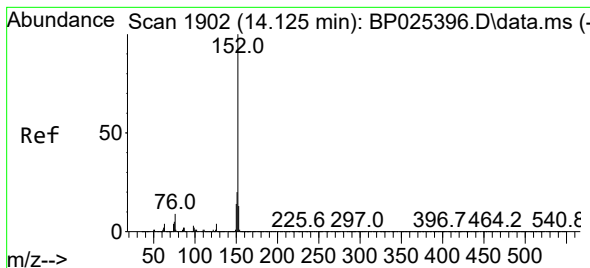


#45
2-Fluorobiphenyl
Concen: 13.516 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58



Tgt Ion: 172 Resp: 420220
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 22.9 18.6 28.0





#49

Acenaphthylene

Concen: 3.778 ng

RT: 14.131 min Scan# 1903

Delta R.T. 0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

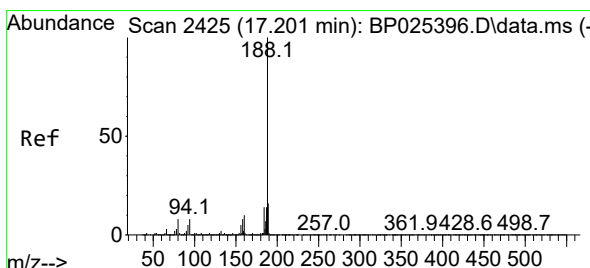
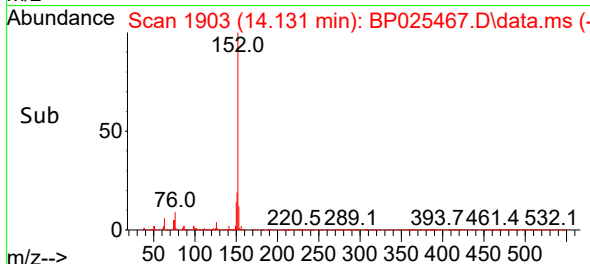
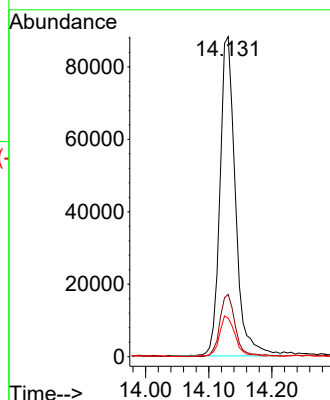
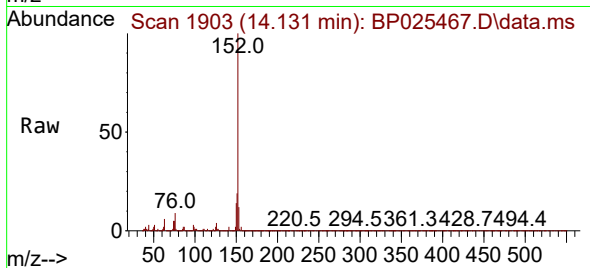
Tgt Ion:	152	Resp:	15019
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.0	24.0
153	12.0	10.6	15.8

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

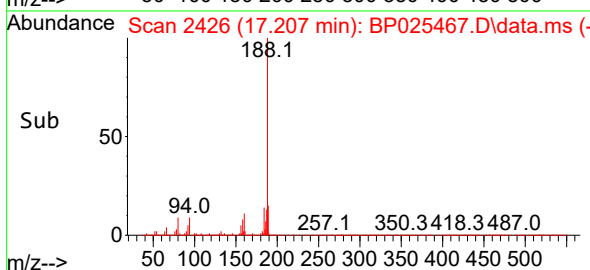
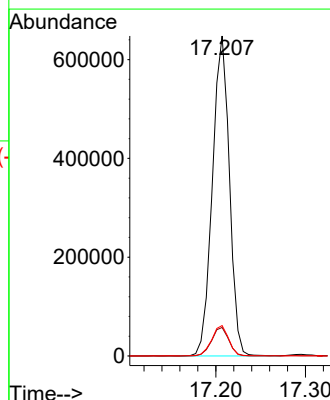
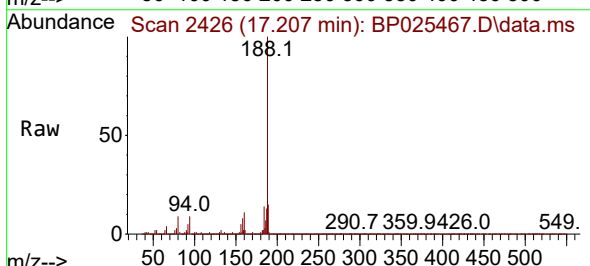
RT: 17.207 min Scan# 2426

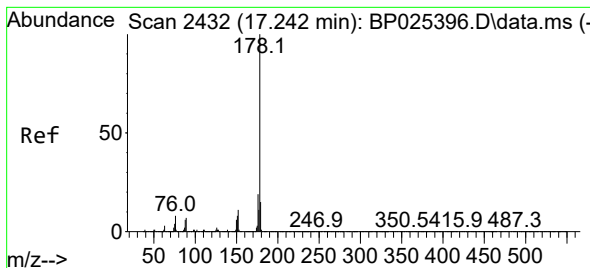
Delta R.T. 0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Tgt Ion:	188	Resp:	851839
Ion Ratio	Lower	Upper	
188	100		
94	8.9	6.6	10.0
80	9.5	6.7	10.1





#71

Phenanthrene

Concen: 9.299 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

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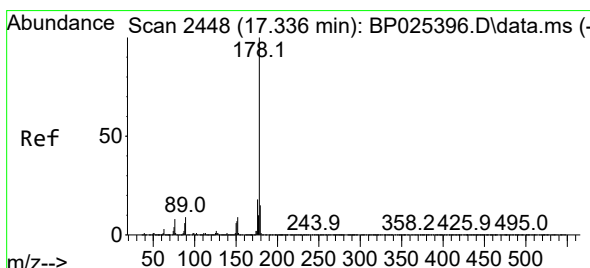
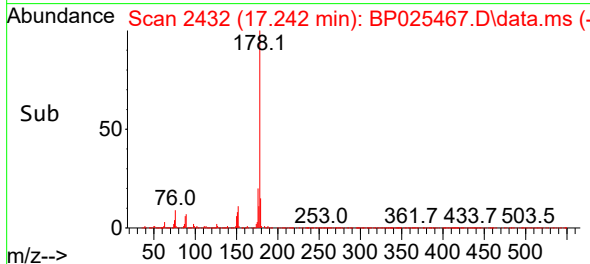
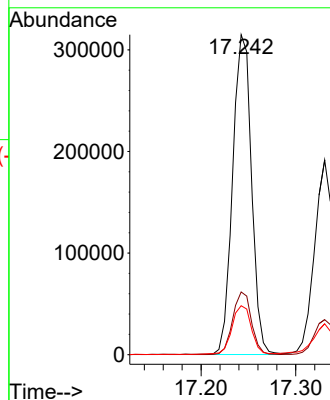
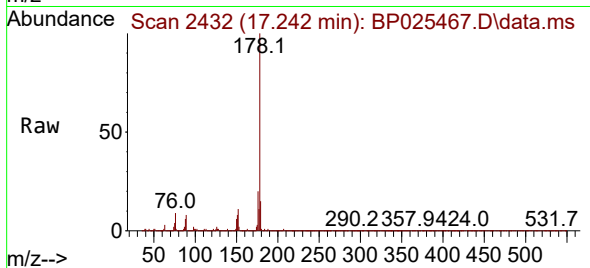
Tgt Ion:178	Resp: 435124
Ion Ratio	Lower Upper
178 100	
176 19.6	15.5 23.3
179 15.3	12.2 18.4

Manual Integrations

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#72

Anthracene

Concen: 6.283 ng

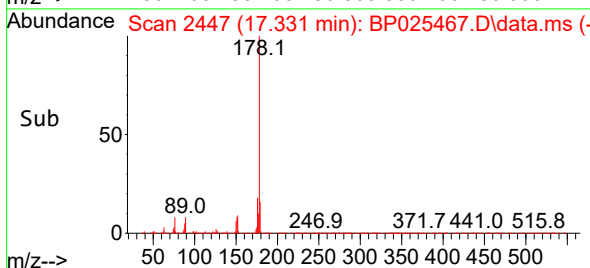
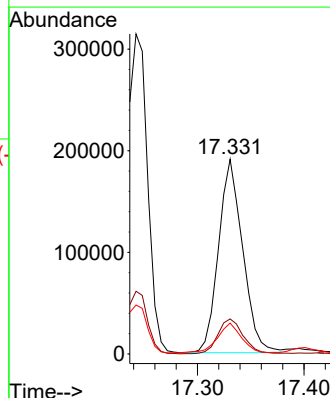
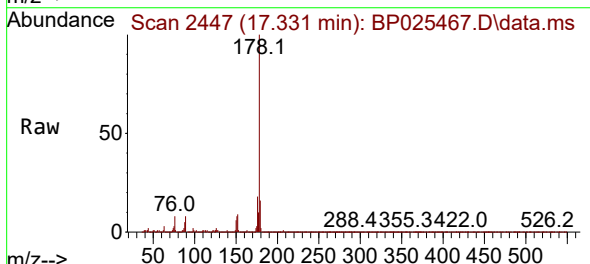
RT: 17.331 min Scan# 2447

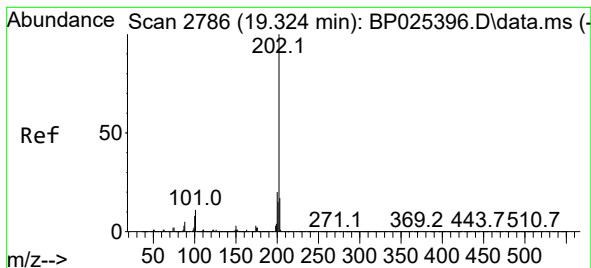
Delta R.T. -0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Tgt Ion:178	Resp: 300242
Ion Ratio	Lower Upper
178 100	
176 18.0	14.7 22.1
179 15.9	12.2 18.2





#75

Fluoranthene

Concen: 26.763 ng

RT: 19.330 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

Tgt Ion:202 Resp: 1493830

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

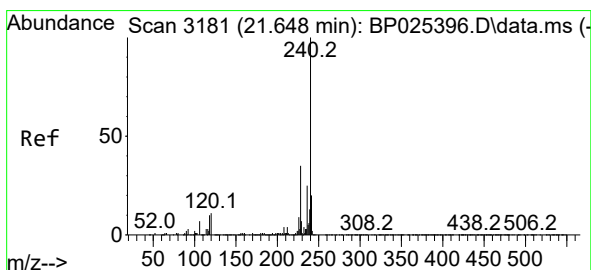
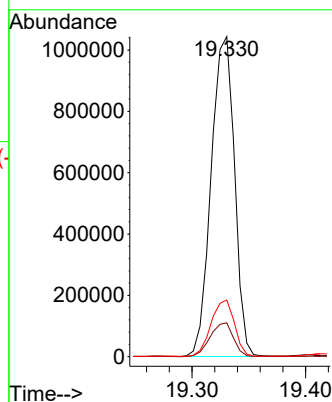
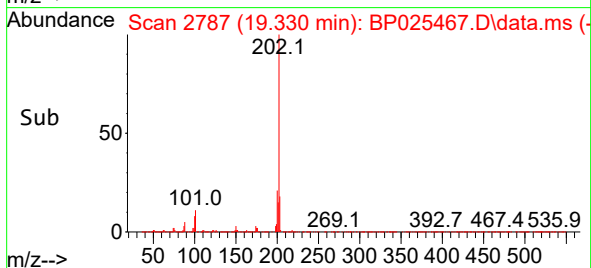
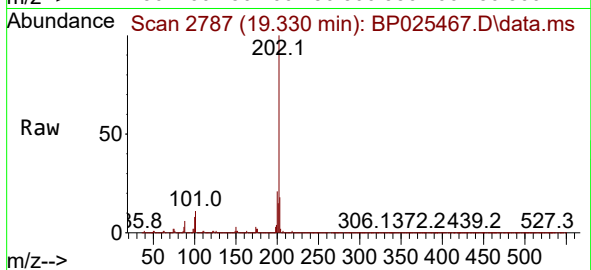
203 17.7 0.0 37.3

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.012 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

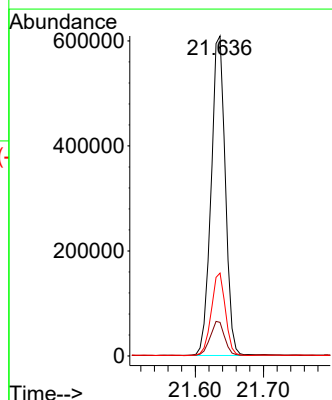
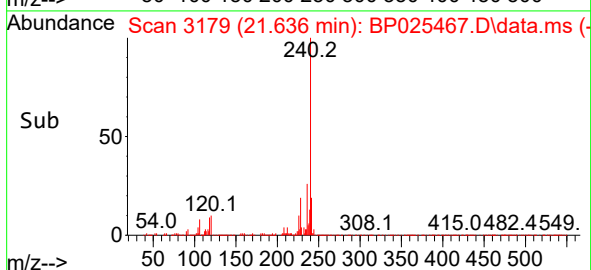
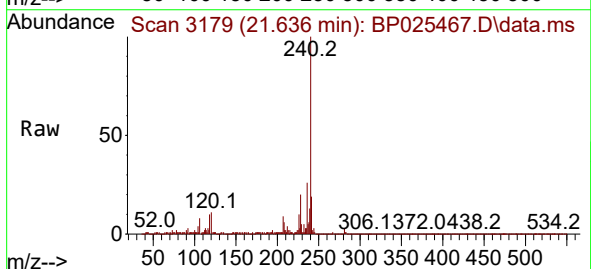
Tgt Ion:240 Resp: 883261

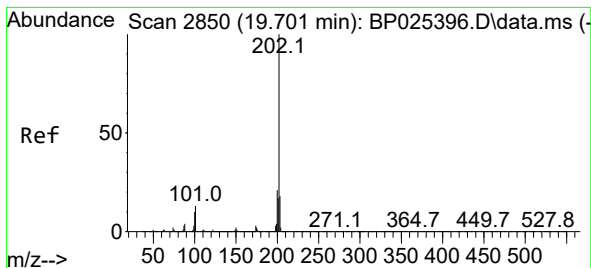
Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.9 19.8 29.8





#78

Pyrene

Concen: 25.661 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

Tgt Ion:202 Resp: 147319

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

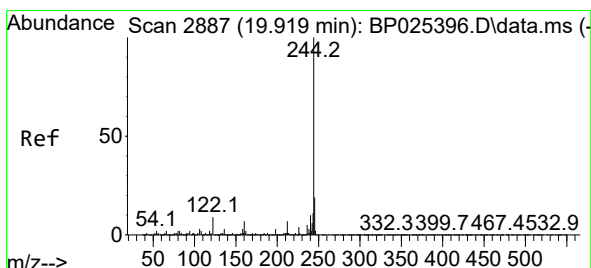
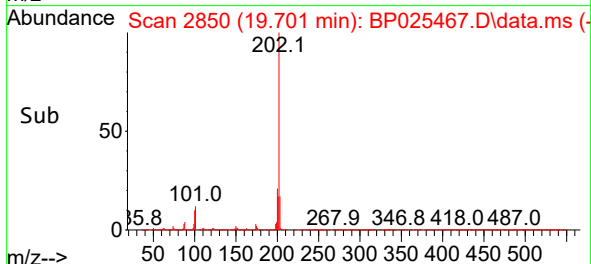
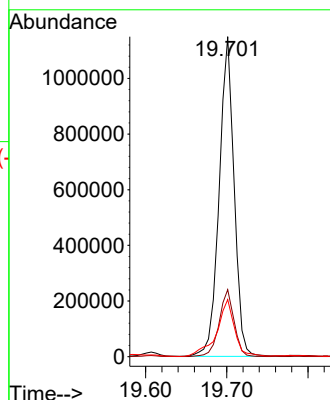
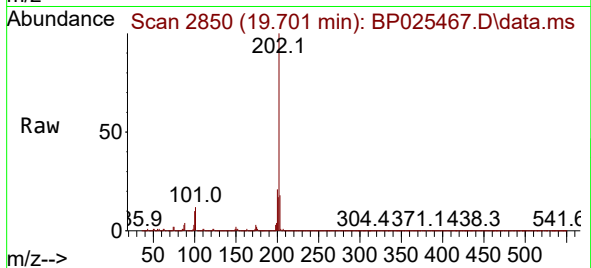
203 17.9 14.2 21.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#79

Terphenyl-d14

Concen: 14.761 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

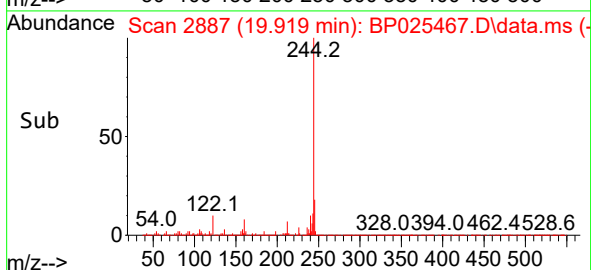
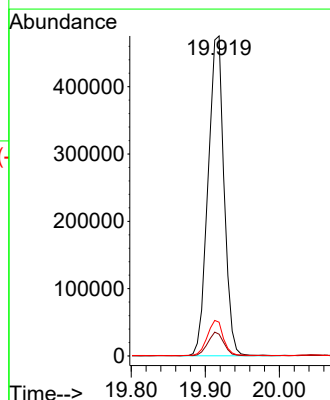
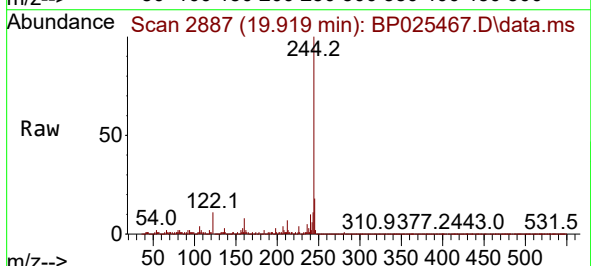
Tgt Ion:244 Resp: 712593

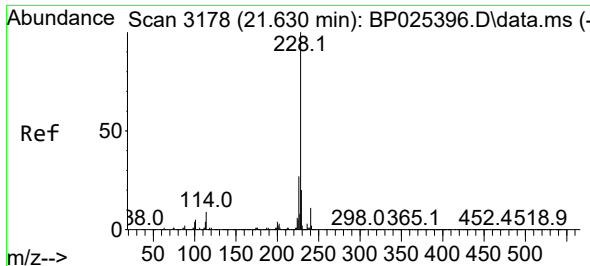
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

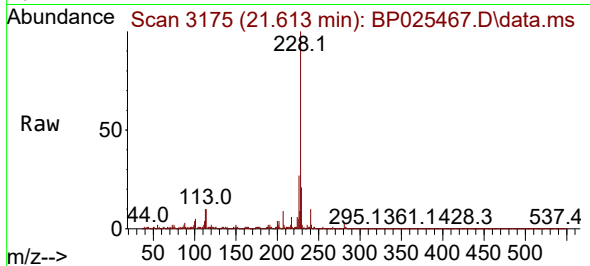
122 10.5 7.4 11.2





#81
Benzo(a)anthracene
Concen: 16.526 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

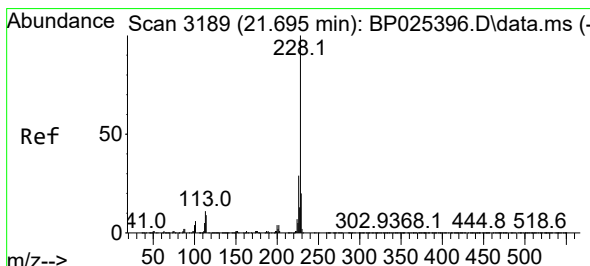
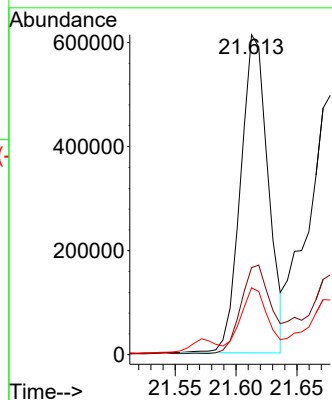
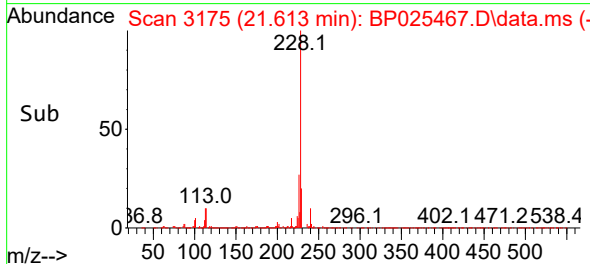
Instrument :
BNA_P
ClientSampleId :
TG-S03



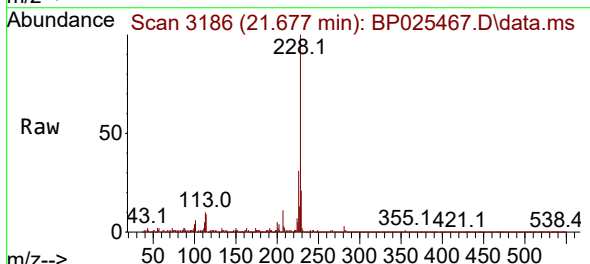
Tgt Ion:228 Resp: 96269
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.9 15.6 23.4

Manual Integrations
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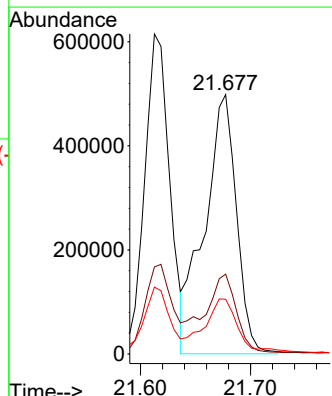
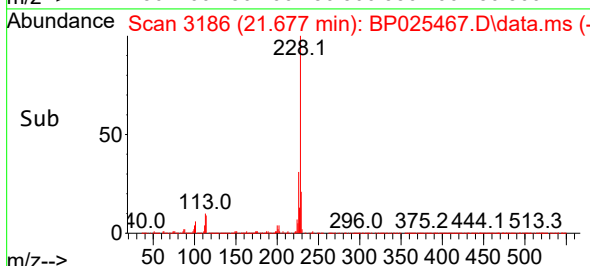
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

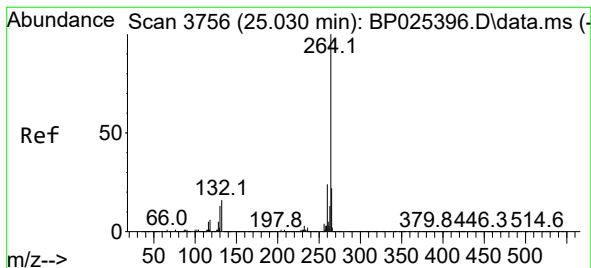


#83
Chrysene
Concen: 18.532 ng m
RT: 21.677 min Scan# 3186
Delta R.T. -0.018 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58



Tgt Ion:228 Resp: 1010978
Ion Ratio Lower Upper
228 100
226 30.8 23.2 34.8
229 21.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

Tgt Ion:264 Resp: 1051674

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

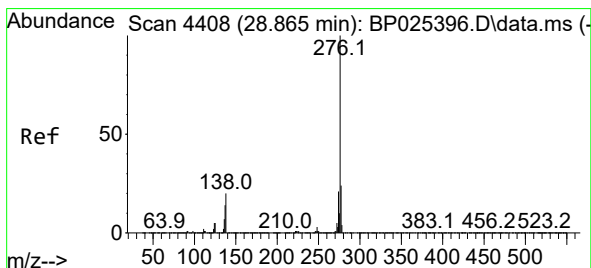
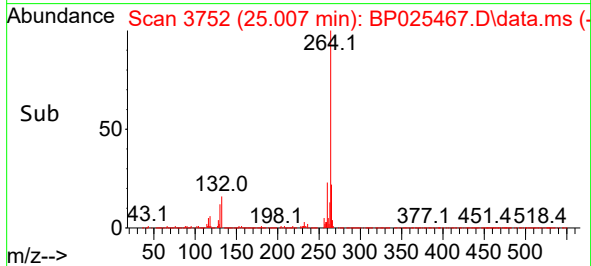
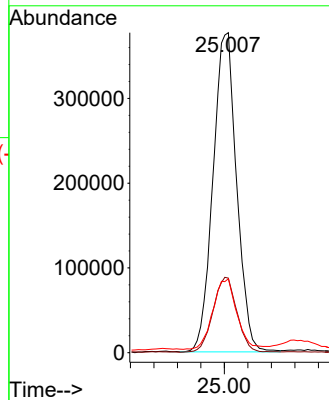
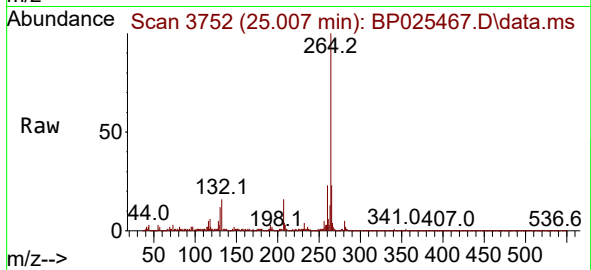
265 23.1 17.4 26.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.564 ng

RT: 28.818 min Scan# 4400

Delta R.T. -0.047 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

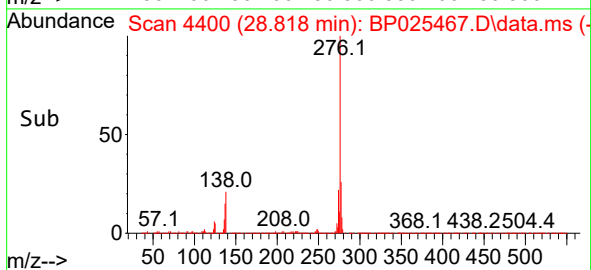
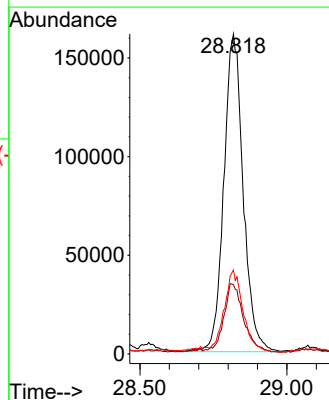
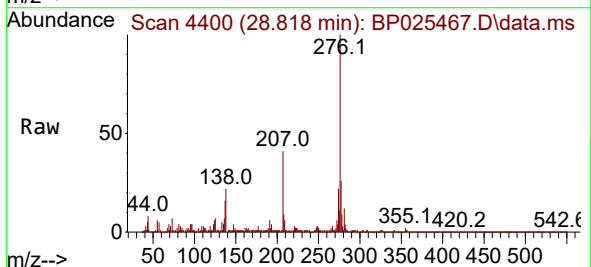
Tgt Ion:276 Resp: 737621

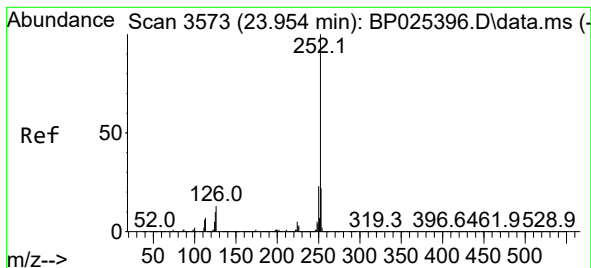
Ion Ratio Lower Upper

276 100

138 22.1 12.9 19.3#

277 25.4 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 25.175 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

Tgt Ion:252 Resp: 1561230

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

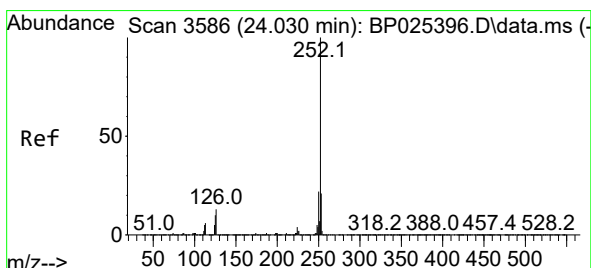
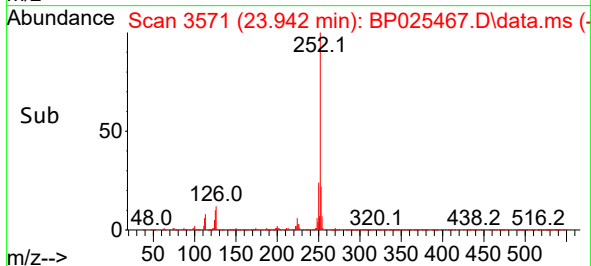
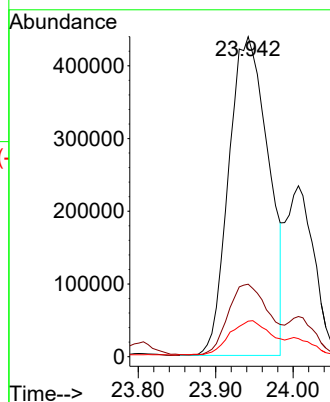
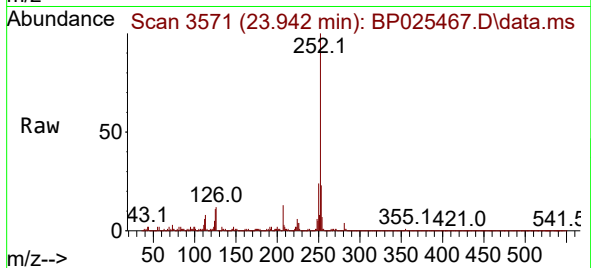
125 11.1 7.9 11.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#89

Benzo(k)fluoranthene

Concen: 9.526 ng m

RT: 24.007 min Scan# 3582

Delta R.T. -0.023 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

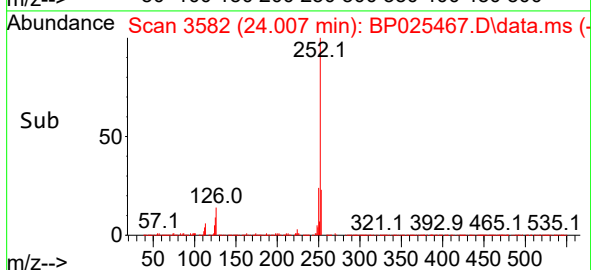
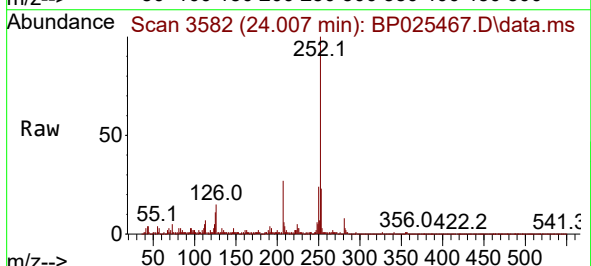
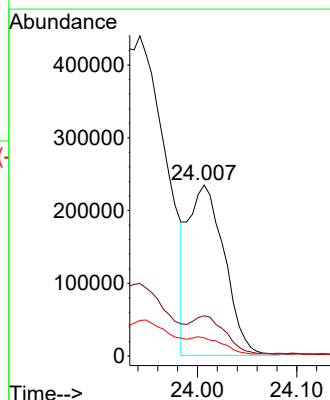
Tgt Ion:252 Resp: 591143

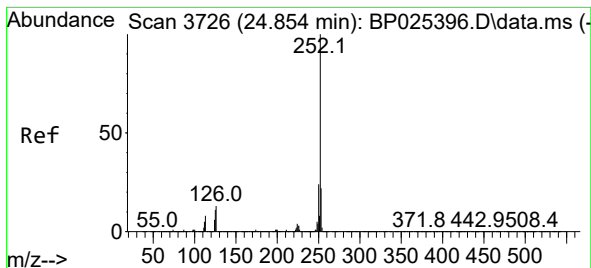
Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 10.6 7.8 11.6





#90

Benzo(a)pyrene

Concen: 14.133 ng

RT: 24.848 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

TG-S03

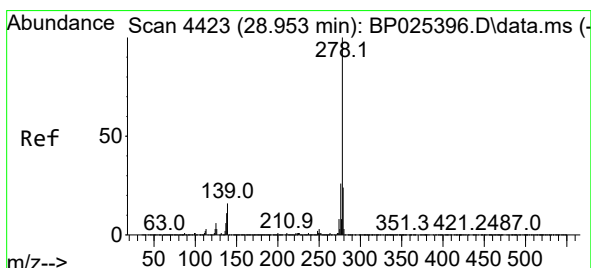
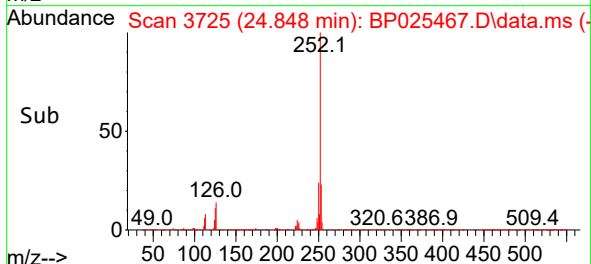
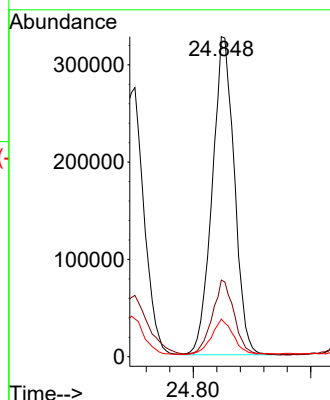
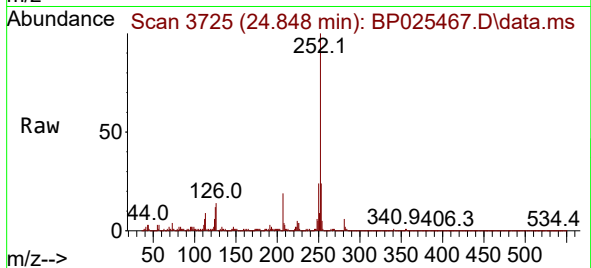
Tgt Ion:252 Resp: 85315
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.5 26.3
 125 11.8 8.7 13.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.201 ng

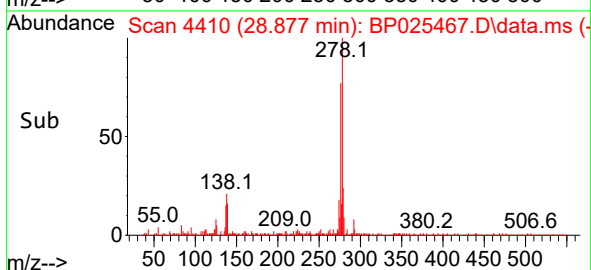
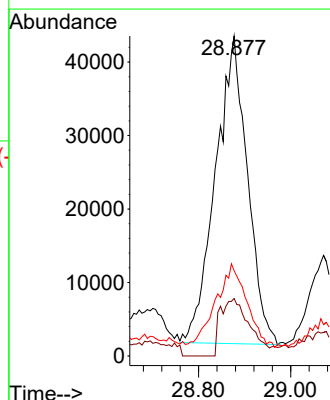
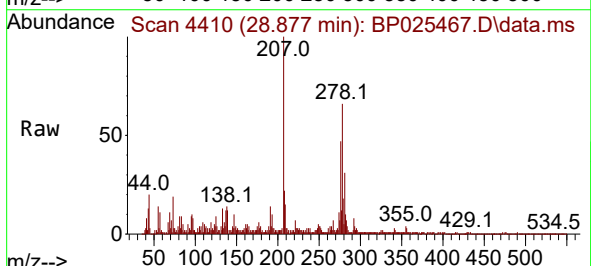
RT: 28.877 min Scan# 4410

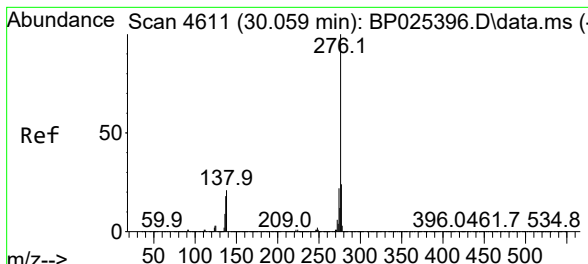
Delta R.T. -0.076 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

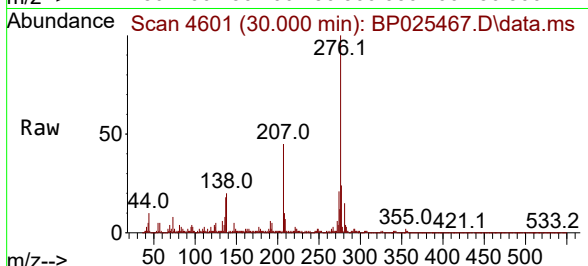
Tgt Ion:278 Resp: 201725
 Ion Ratio Lower Upper
 278 100
 139 18.0 13.0 19.4
 279 26.7 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.778 ng
 RT: 30.000 min Scan# 4611
 Delta R.T. -0.059 min
 Lab File: BP025467.D
 Acq: 18 Aug 2025 18:58

Instrument :
 BNA_P
 ClientSampleId :
 TG-S03



Tgt Ion: 276 Resp: 667740
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.4 29.0
 138 20.2 16.7 25.1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025

