

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025133.D
 Acq On : 14 Jul 2025 23:59
 Operator : CG/JU
 Sample : Q2560-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LP-7102025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025

Quant Time: Jul 15 01:18:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	610908	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2367920	20.000	ng	0.00
39) Acenaphthene-d10	14.089	164	1381962	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	2469760	20.000	ng	0.00
76) Chrysene-d12	21.330	240	2608279	20.000	ng	-0.01
86) Perylene-d12	24.465	264	3270541	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.101	112	2496660	72.412	ng	0.00
7) Phenol-d6	6.631	99	3123344	69.417	ng	0.00
23) Nitrobenzene-d5	8.560	82	1847222	51.881	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1222967	74.911	ng	-0.01
45) 2-Fluorobiphenyl	12.689	172	3961058	44.403	ng	0.00
79) Terphenyl-d14	19.660	244	4883589	41.150	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.148	154	155060	2.080	ng	98
71) Phenanthrene	16.948	178	908155	6.882	ng	99
75) Fluoranthene	19.048	202	1458737	9.456	ng	99
78) Pyrene	19.424	202	1156991	7.162	ng	99
81) Benzo(a)anthracene	21.312	228	563304m	3.564	ng	
83) Chrysene	21.377	228	590048m	3.879	ng	
88) Benzo(b)fluoranthene	23.483	252	826152m	4.340	ng	
90) Benzo(a)pyrene	24.318	252	550499	3.398	ng	98

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

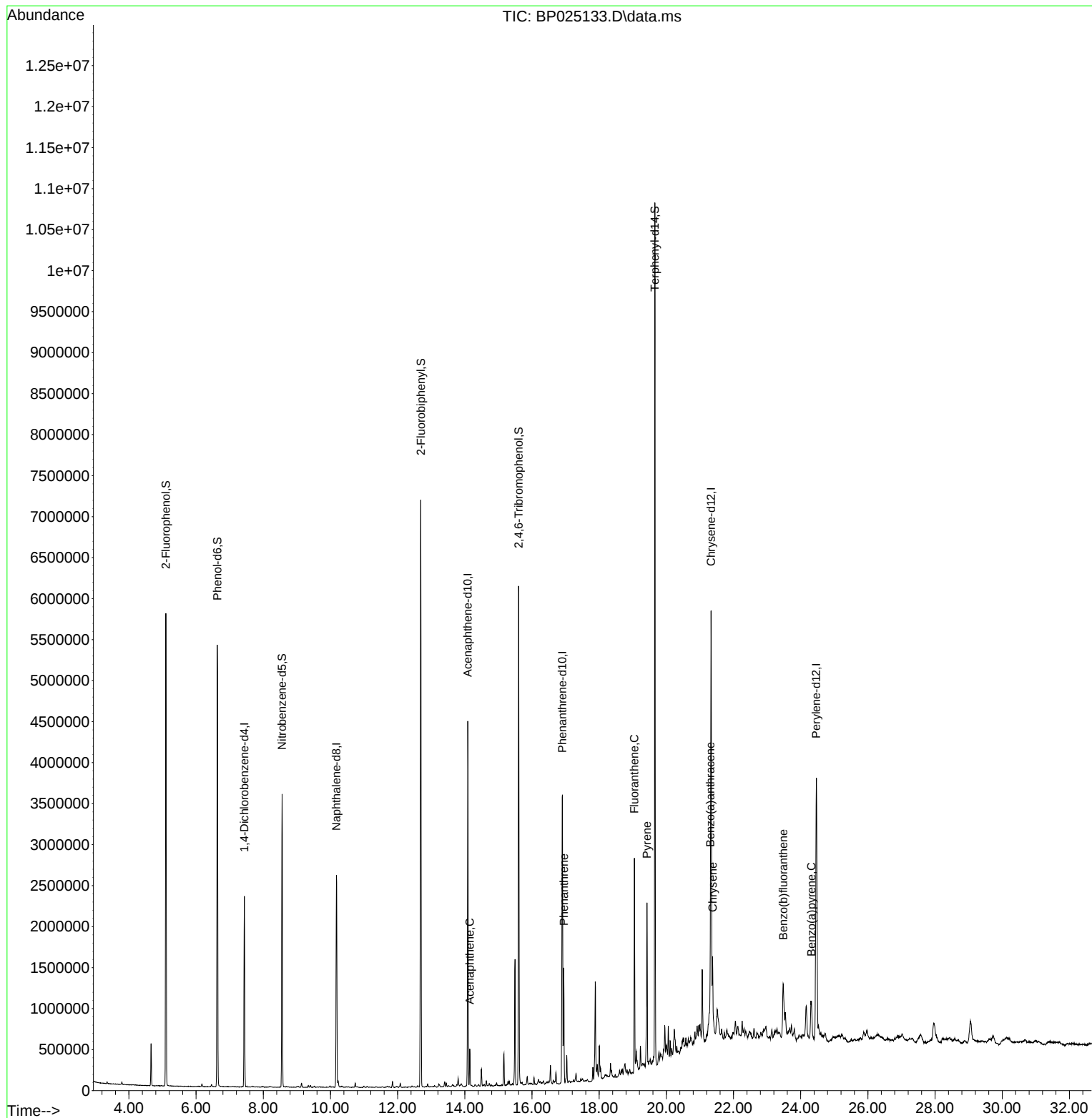
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
Data File : BP025133.D
Acq On : 14 Jul 2025 23:59
Operator : CG/JU
Sample : Q2560-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

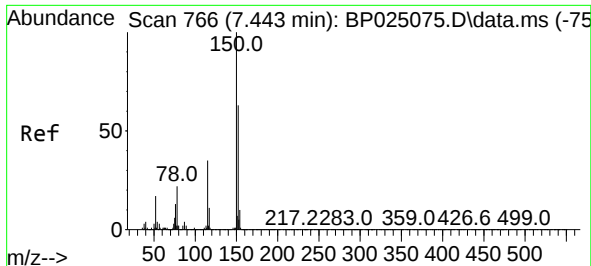
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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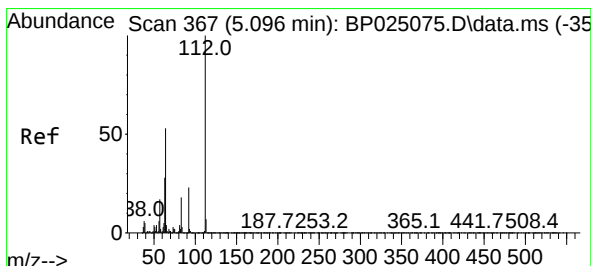
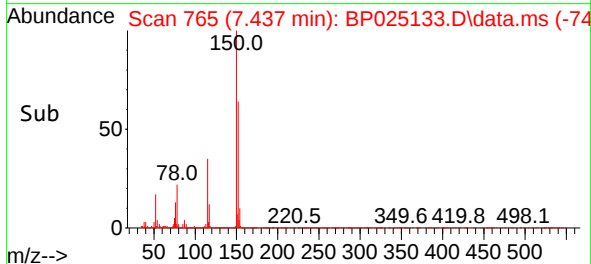
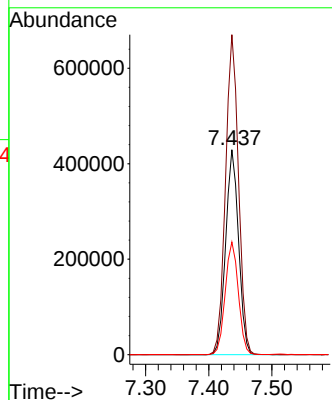
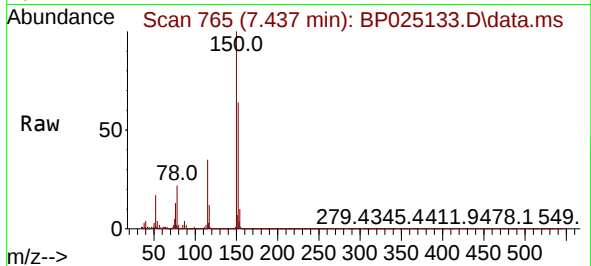
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Instrument :
BNA_P
ClientSampleId :
LP-7102025

Tgt Ion:152 Resp: 610908
Ion Ratio Lower Upper
152 100
150 156.1 126.1 189.1
115 55.0 44.3 66.5

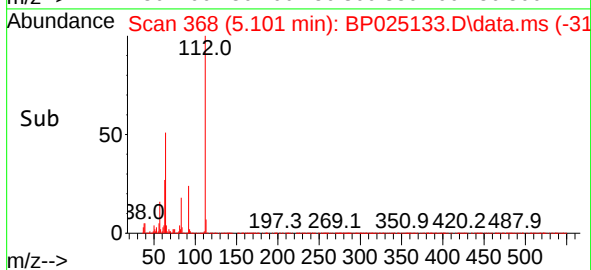
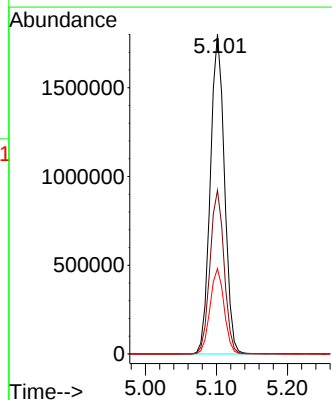
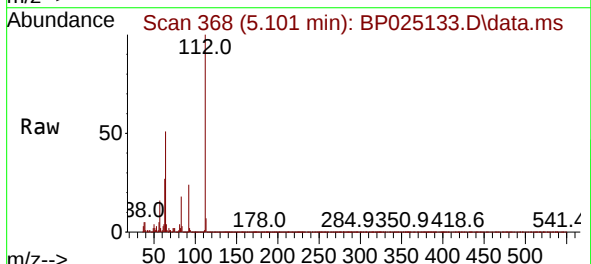
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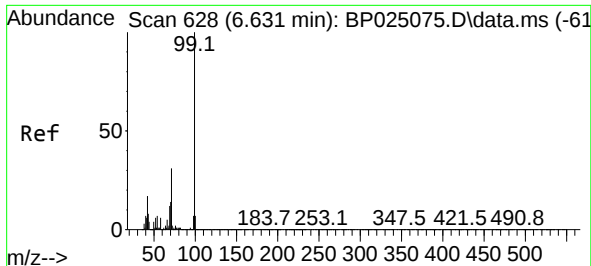
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#5
2-Fluorophenol
Concen: 72.412 ng
RT: 5.101 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

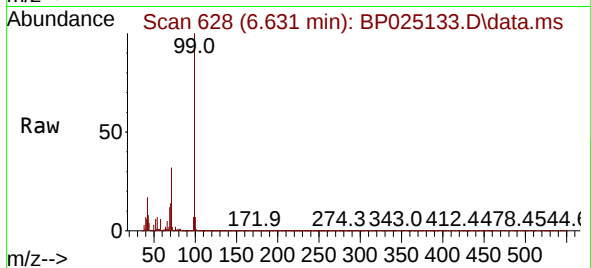
Tgt Ion:112 Resp: 2496660
Ion Ratio Lower Upper
112 100
64 51.2 42.0 63.0
63 26.7 22.2 33.2





#7
Phenol-d6
Concen: 69.417 ng
RT: 6.631 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

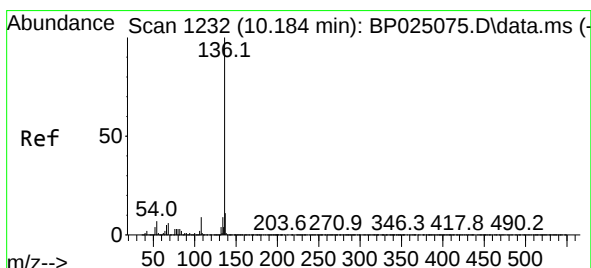
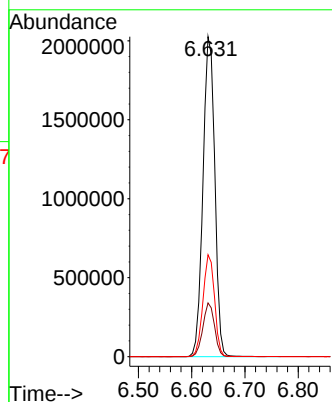
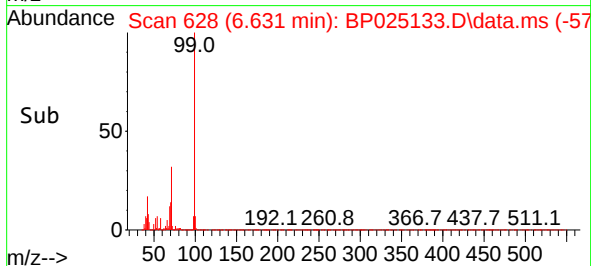
Instrument :
BNA_P
ClientSampleId :
LP-7102025



Tgt Ion: 99 Resp: 312334
Ion Ratio Lower Upper
99 100
42 16.8 13.6 20.4
71 31.8 24.4 36.6

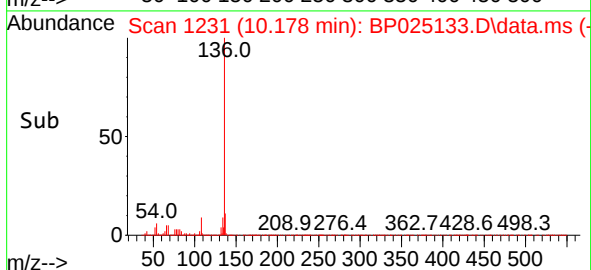
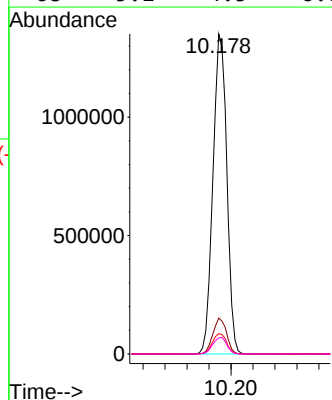
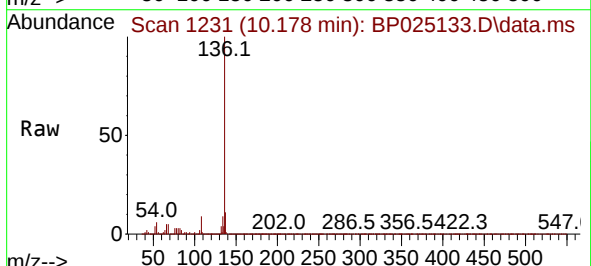
Manual Integrations
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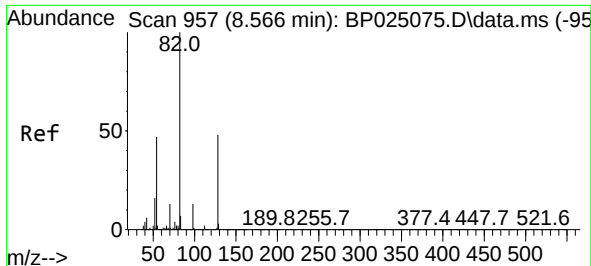
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

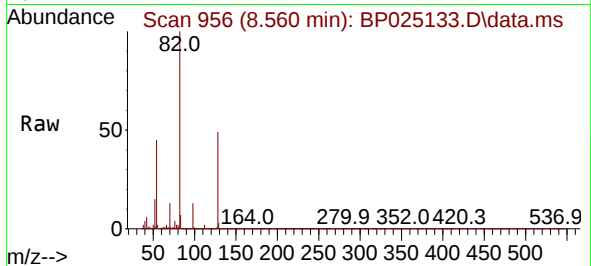
Tgt Ion:136 Resp: 2367920
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.4 5.4 8.2
68 5.1 4.5 6.7





#23
Nitrobenzene-d5
Concen: 51.881 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

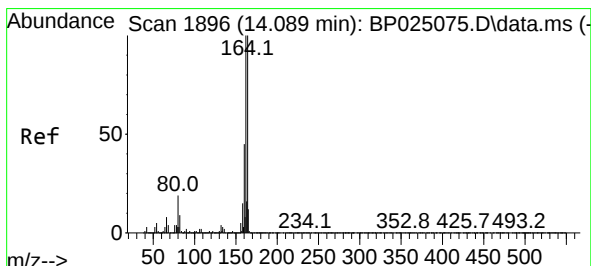
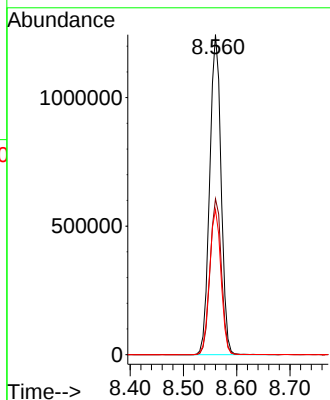
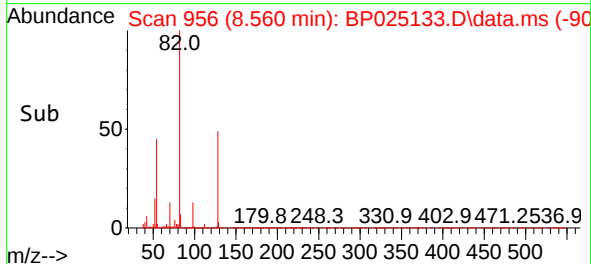
Instrument :
BNA_P
ClientSampleId :
LP-7102025



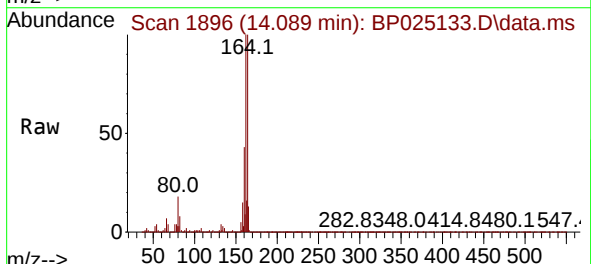
Tgt Ion: 82 Resp: 184722
Ion Ratio Lower Upper
82 100
128 48.7 38.4 57.6
54 45.3 37.8 56.6

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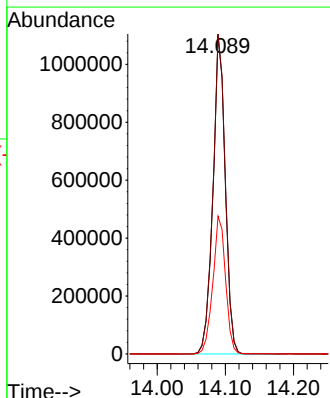
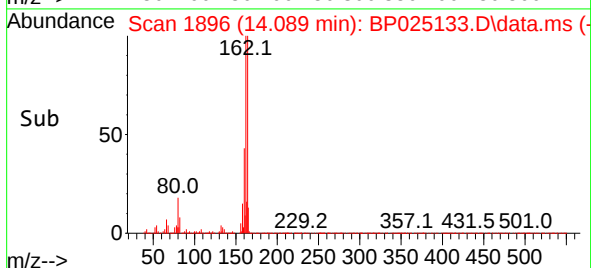
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

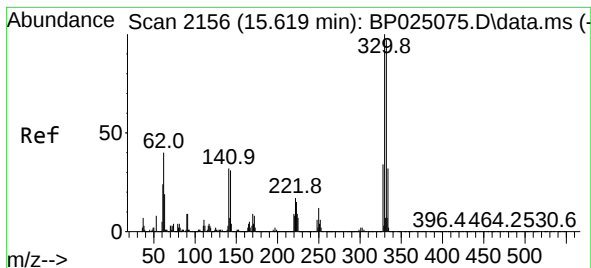


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.089 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59



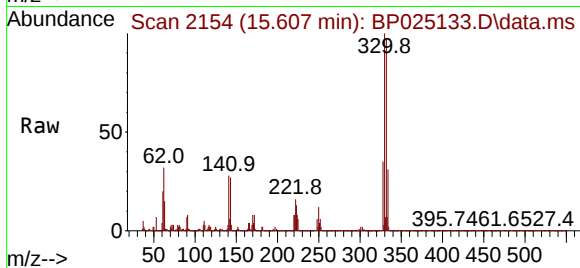
Tgt Ion:164 Resp: 1381962
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 43.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 74.911 ng
RT: 15.607 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

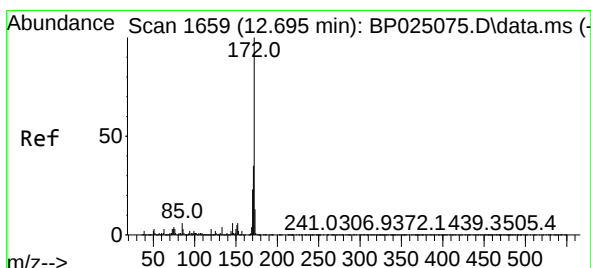
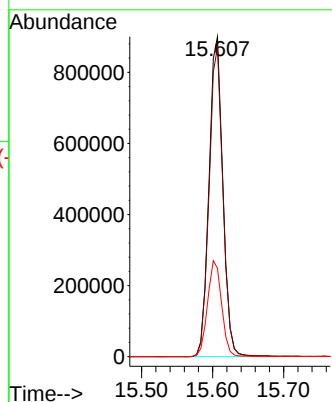
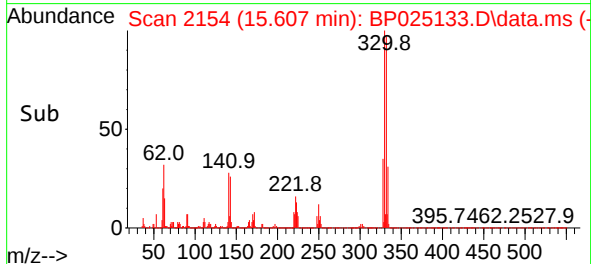
Instrument :
BNA_P
ClientSampleId :
LP-7102025



Tgt Ion: 330 Resp: 122296
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 30.5 26.0 39.0

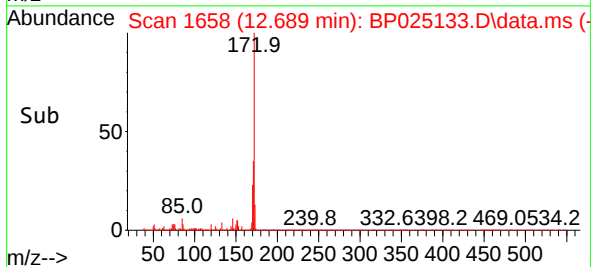
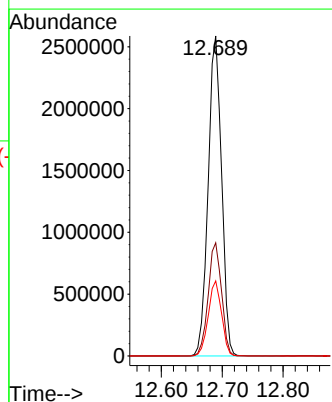
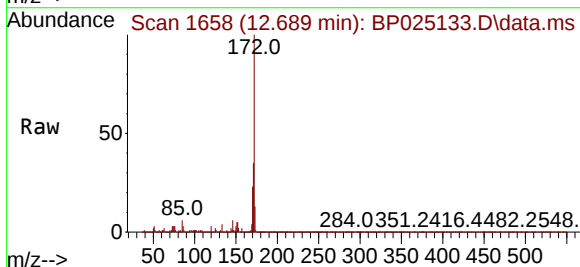
Manual Integrations
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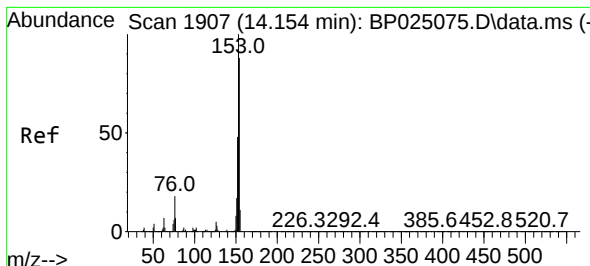
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#45
2-Fluorobiphenyl
Concen: 44.403 ng
RT: 12.689 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion: 172 Resp: 3961058
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.5 18.7 28.1





#52

Acenaphthene

Concen: 2.080 ng

RT: 14.148 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

Tgt Ion:154 Resp: 155060

Ion Ratio Lower Upper

154 100

153 110.9 90.6 136.0

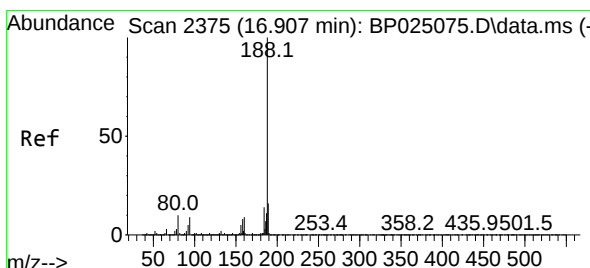
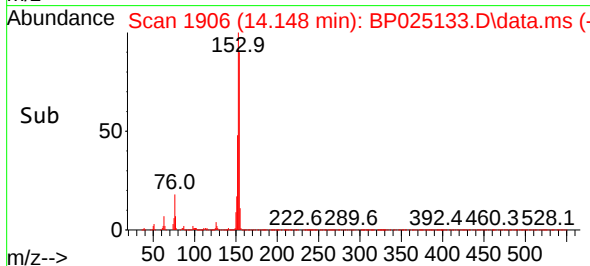
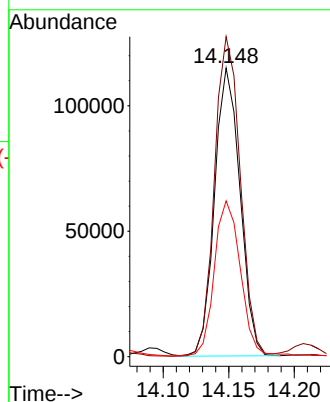
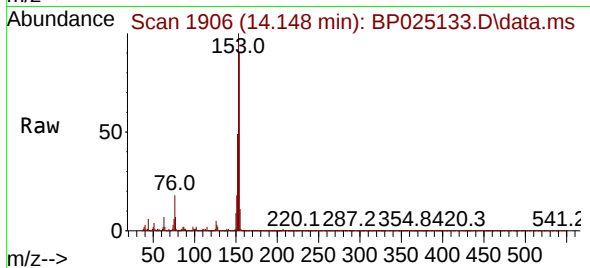
152 54.0 43.8 65.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/15/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.901 min Scan# 2374

Delta R.T. -0.006 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

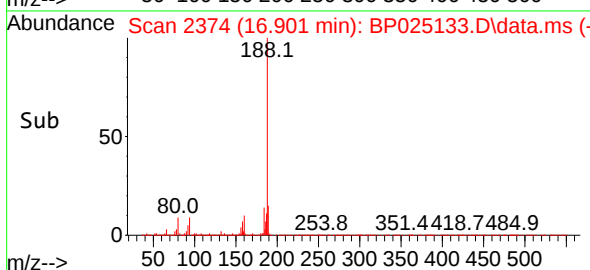
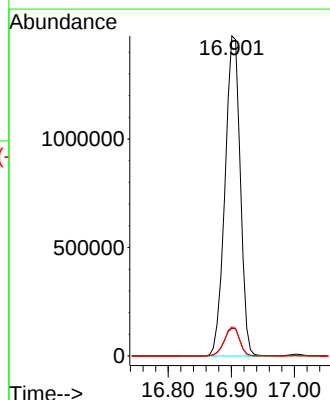
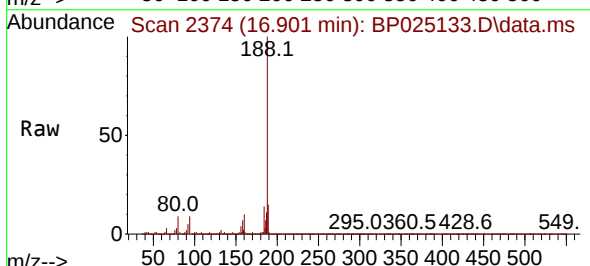
Tgt Ion:188 Resp: 2469760

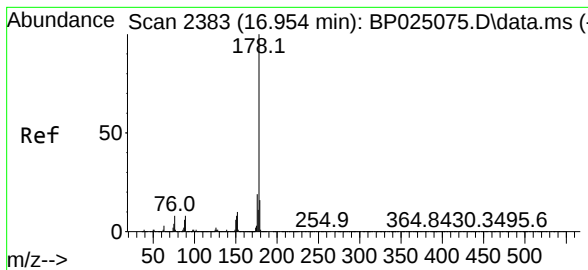
Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

80 9.1 7.8 11.6





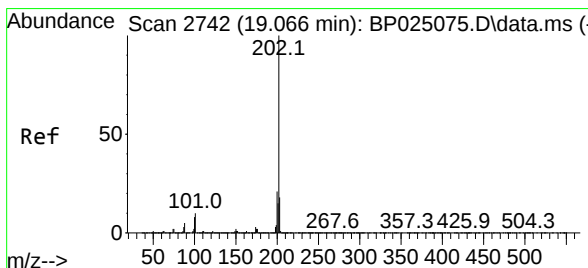
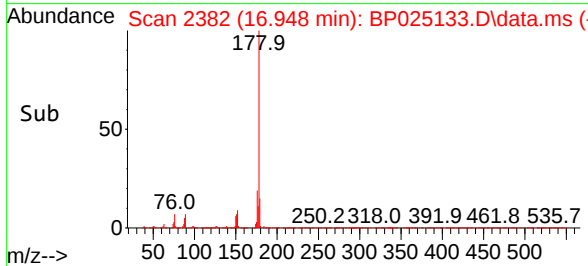
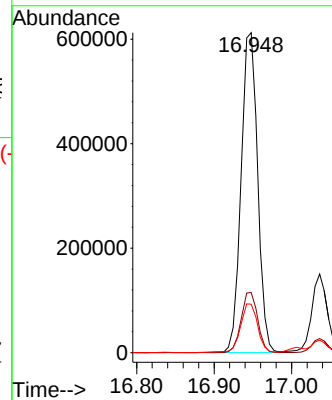
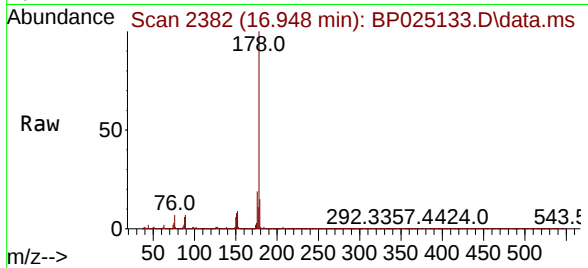
#71
Phenanthrene
Concen: 6.882 ng
RT: 16.948 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Instrument :
BNA_P
ClientSampleId :
LP-7102025

Tgt Ion:178 Resp: 90815
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.2 12.6 19.0

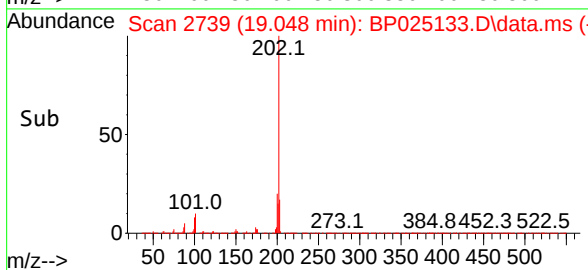
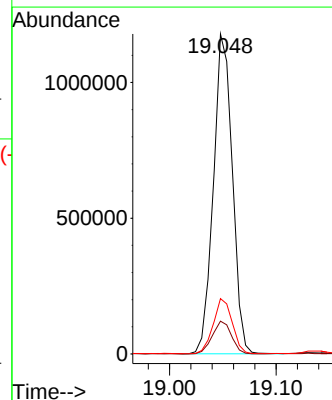
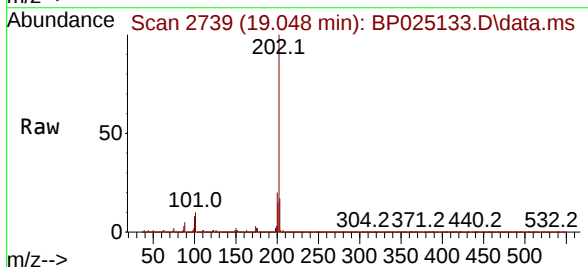
Manual Integrations
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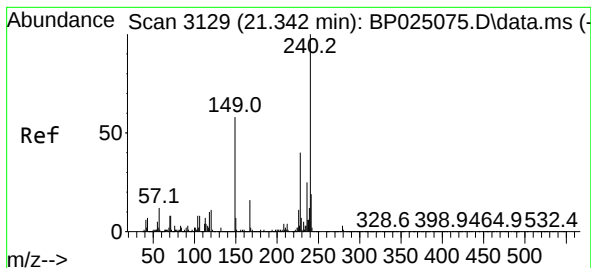
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#75
Fluoranthene
Concen: 9.456 ng
RT: 19.048 min Scan# 2739
Delta R.T. -0.018 min
Lab File: BP025133.D
Acq: 14 Jul 2025 23:59

Tgt Ion:202 Resp: 1458737
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.4
203 17.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.330 min Scan# 3129

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

Tgt Ion:240 Resp: 2608279

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

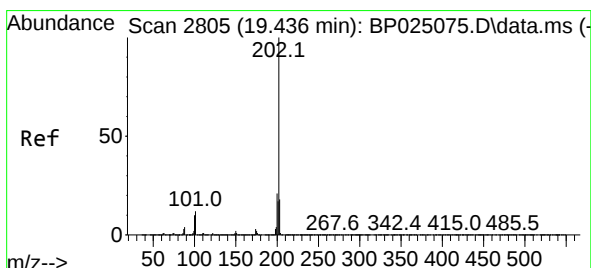
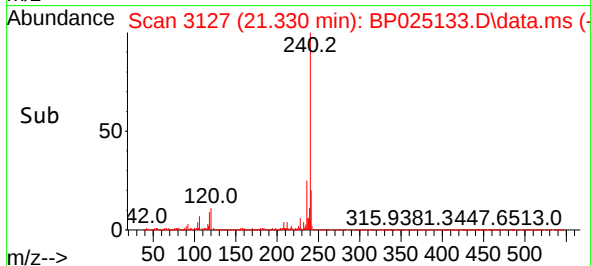
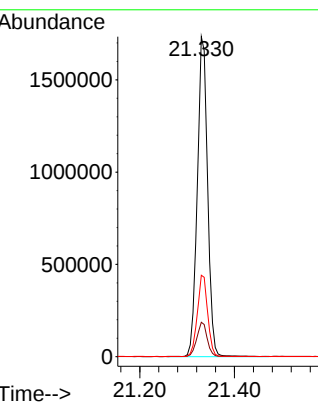
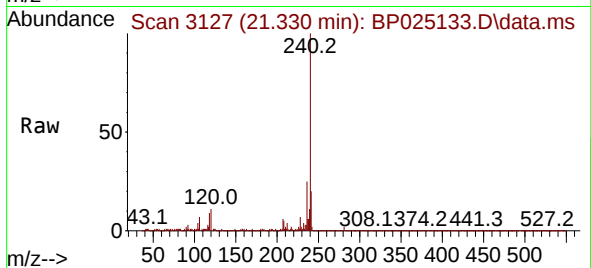
236 25.5 20.3 30.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#78

Pyrene

Concen: 7.162 ng

RT: 19.424 min Scan# 2803

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

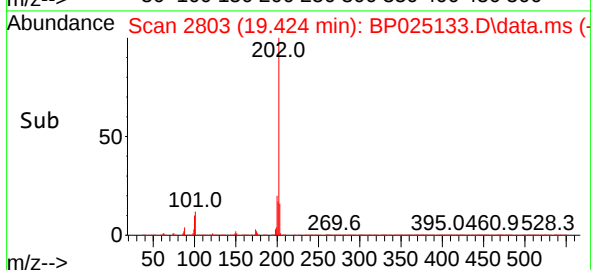
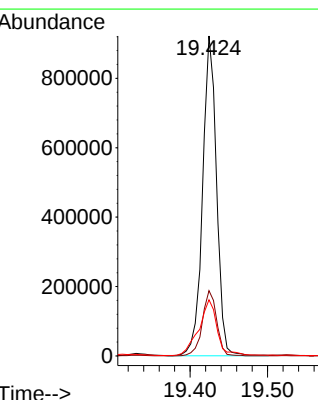
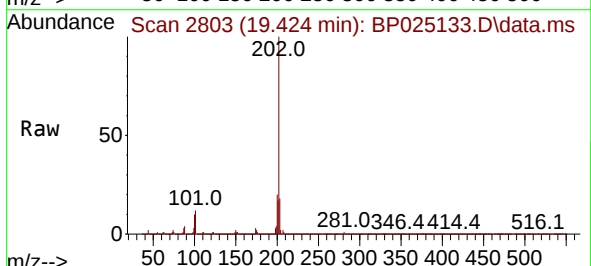
Tgt Ion:202 Resp: 1156991

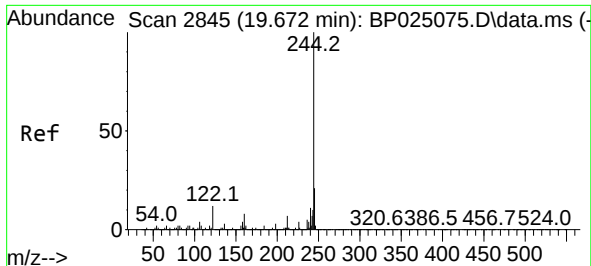
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

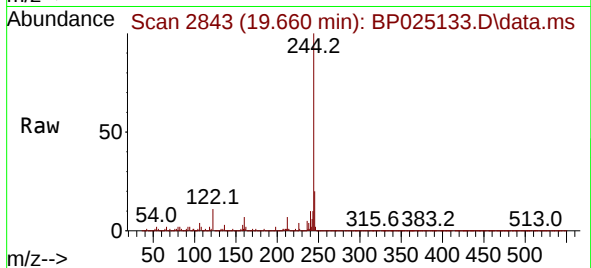
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 41.150 ng
 RT: 19.660 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025133.D
 Acq: 14 Jul 2025 23:59

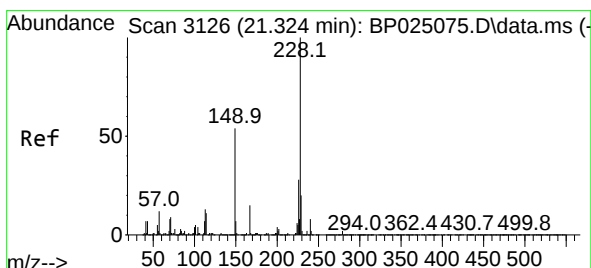
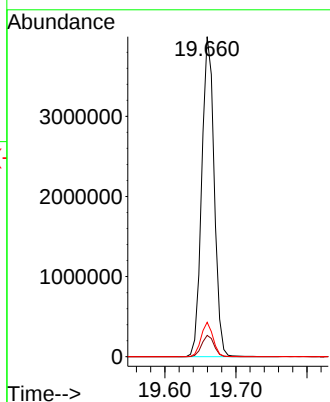
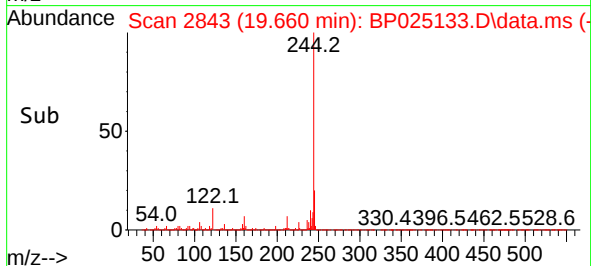
Instrument :
 BNA_P
 ClientSampleId :
 LP-7102025



Tgt Ion:244 Resp: 4883589
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 10.8 9.4 14.2

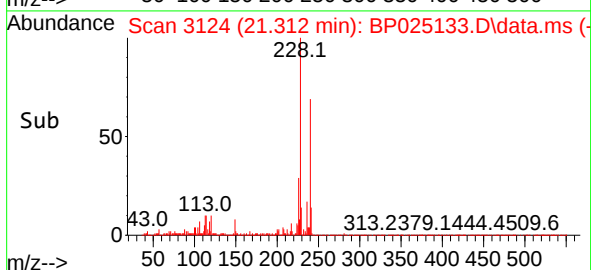
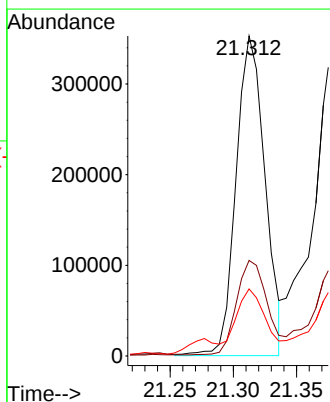
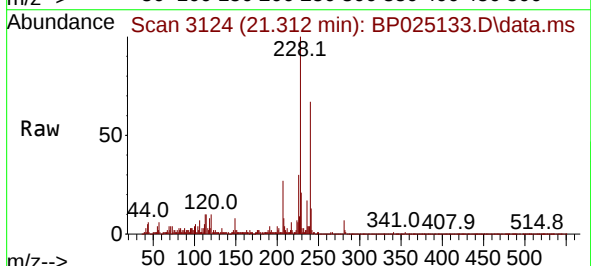
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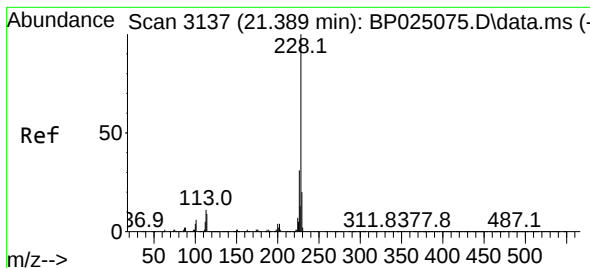
Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#81
 Benzo(a)anthracene
 Concen: 3.564 ng m
 RT: 21.312 min Scan# 3124
 Delta R.T. -0.012 min
 Lab File: BP025133.D
 Acq: 14 Jul 2025 23:59

Tgt Ion:228 Resp: 563304
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.1 33.1
 229 21.0 16.0 24.0





#83

Chrysene

Concen: 3.879 ng m

RT: 21.377 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Instrument :

BNA_P

ClientSampleId :

LP-7102025

Tgt Ion:228 Resp: 590048

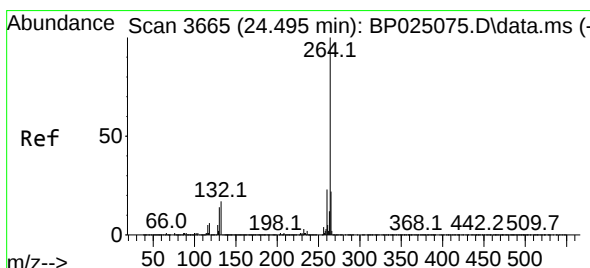
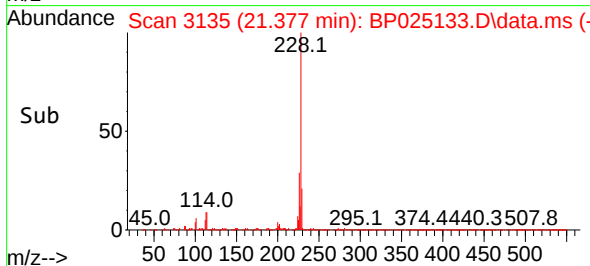
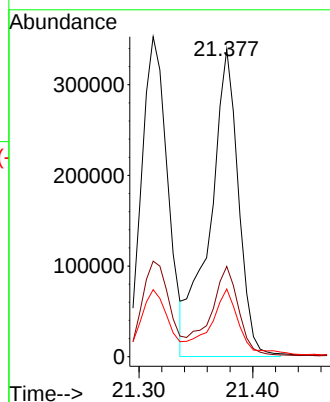
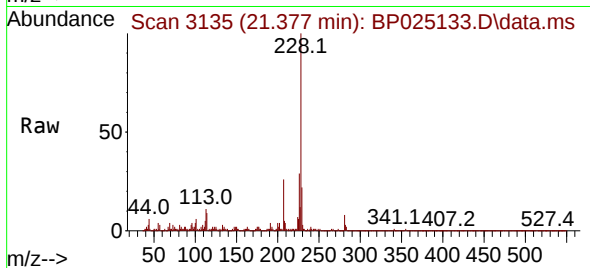
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.4	36.6
229	22.0	16.0	24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.465 min Scan# 3660

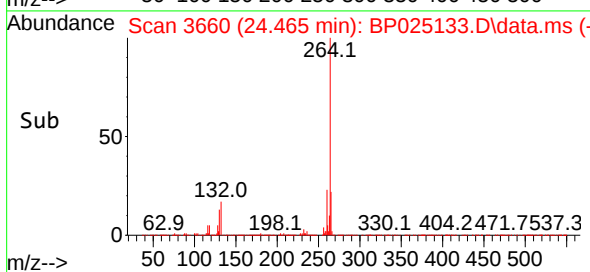
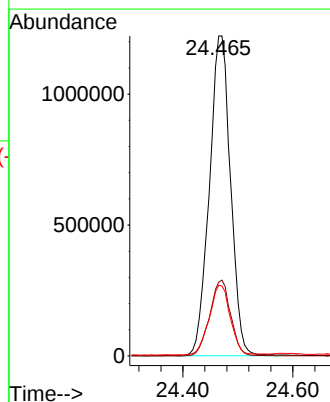
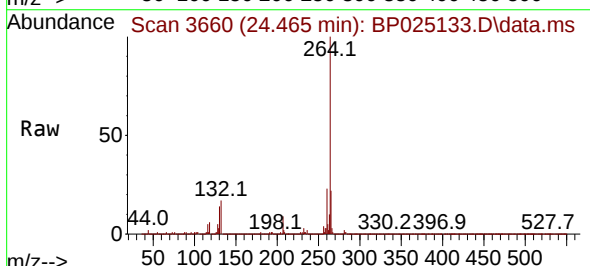
Delta R.T. -0.030 min

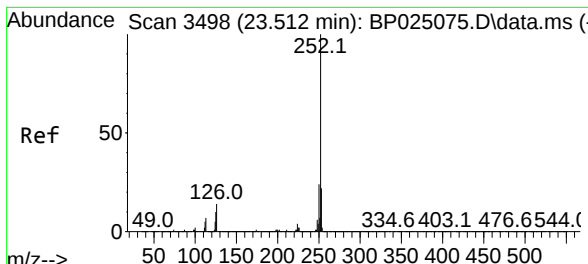
Lab File: BP025133.D

Acq: 14 Jul 2025 23:59

Tgt Ion:264 Resp: 3270541

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.1	17.7	26.5





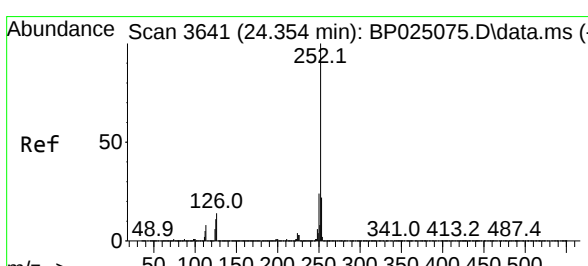
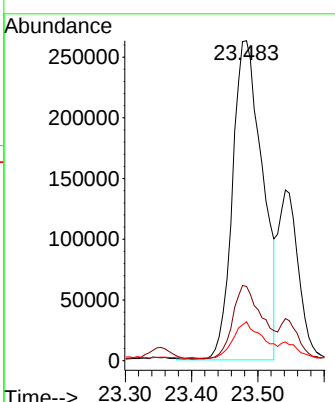
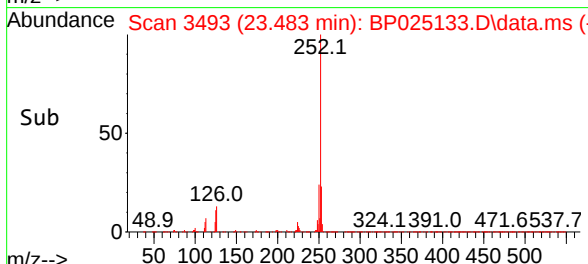
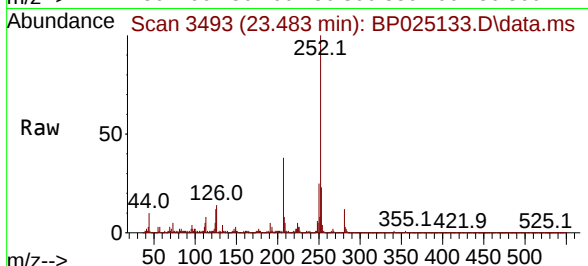
#88
 Benzo(b)fluoranthene
 Concen: 4.340 ng m
 RT: 23.483 min Scan# 3493
 Delta R.T. -0.030 min
 Lab File: BP025133.D
 Acq: 14 Jul 2025 23:59

Instrument : BNA_P
 ClientSampleId : LP-7102025

Tgt Ion:252 Resp: 826152

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	12.1	8.1	12.1

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 Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#90
 Benzo(a)pyrene
 Concen: 3.398 ng
 RT: 24.318 min Scan# 3635
 Delta R.T. -0.036 min
 Lab File: BP025133.D
 Acq: 14 Jul 2025 23:59

Tgt Ion:252 Resp: 550499

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	11.2	9.0	13.4

