

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025225.D
 Acq On : 23 Jul 2025 15:32
 Operator : CG/JU
 Sample : Q2638-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Quant Time: Jul 23 16:03:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	621825	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	2595194	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	1720443	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	3429853	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3438636	20.000	ng	0.01
86) Perylene-d12	24.477	264	3928190	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2298638	62.459	ng	0.00
7) Phenol-d6	6.637	99	3001869	65.858	ng	0.00
23) Nitrobenzene-d5	8.560	82	1862789	39.890	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1668962	65.803	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4912796	40.258	ng	0.00
79) Terphenyl-d14	19.666	244	7252208	41.633	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.795	152	319352	2.028	ng	99
71) Phenanthrene	16.936	178	398243	2.153	ng	99
75) Fluoranthene	19.036	202	1345103	6.178	ng	99
78) Pyrene	19.419	202	1648299	7.774	ng	99
81) Benzo(a)anthracene	21.318	228	1258776m	5.797	ng	
83) Chrysene	21.371	228	1261232	6.222	ng	97
87) Indeno(1,2,3-cd)pyrene	28.006	276	986165	3.435	ng	# 95
88) Benzo(b)fluoranthene	23.495	252	1588865	7.066	ng	# 95
89) Benzo(k)fluoranthene	23.548	252	595631m	2.683	ng	
90) Benzo(a)pyrene	24.324	252	1382716	6.303	ng	# 95
92) Benzo(g,h,i)perylene	29.100	276	988302	4.294	ng	96

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

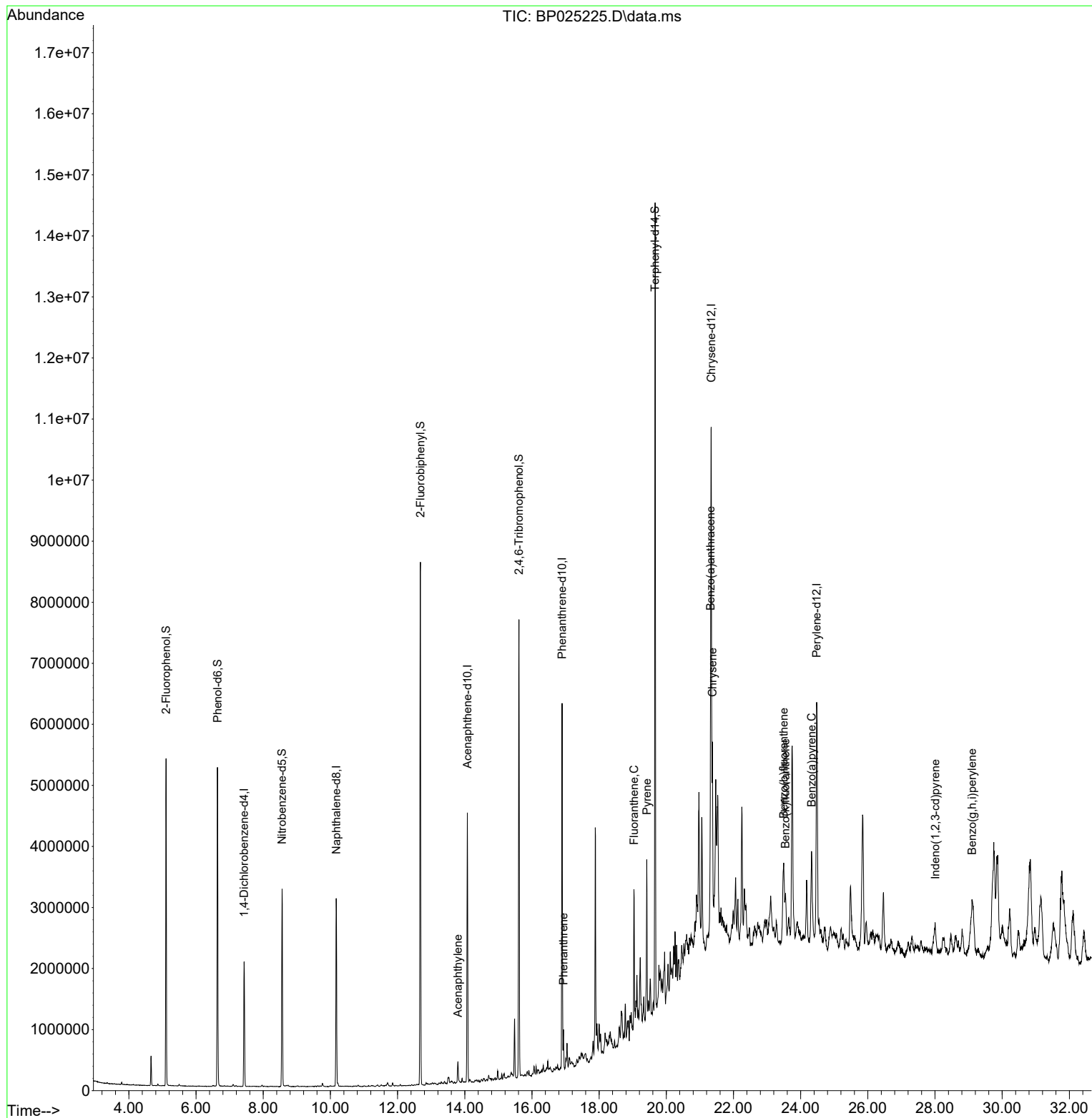
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
Data File : BP025225.D
Acq On : 23 Jul 2025 15:32
Operator : CG/JU
Sample : Q2638-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

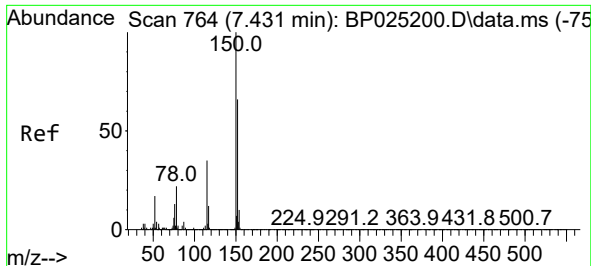
Instrument :
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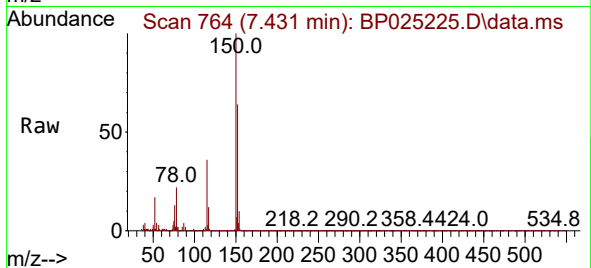
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.431 min Scan# 764
Delta R.T. -0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

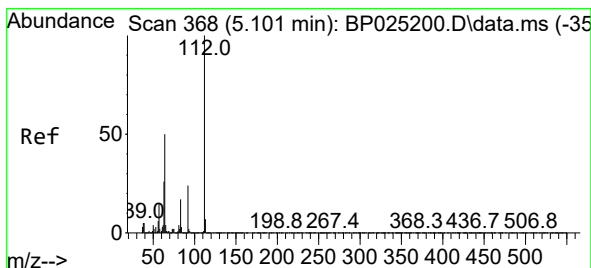
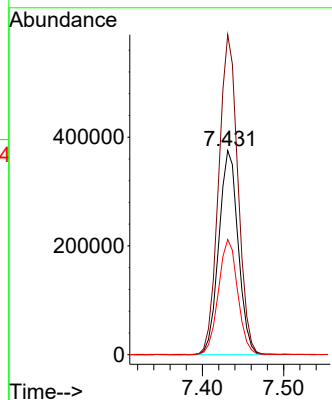
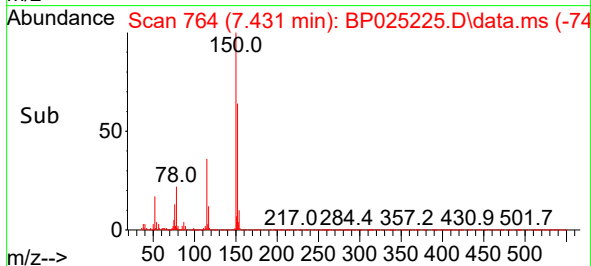
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725



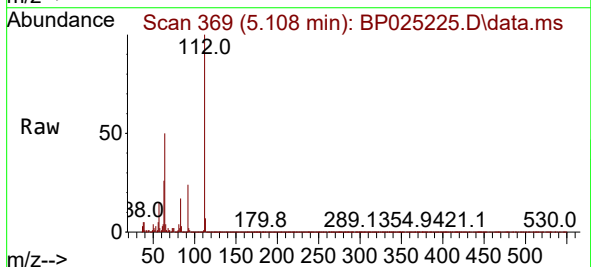
Tgt Ion:152 Resp: 621825
Ion Ratio Lower Upper
152 100
150 156.7 121.9 182.9
115 56.5 43.0 64.6

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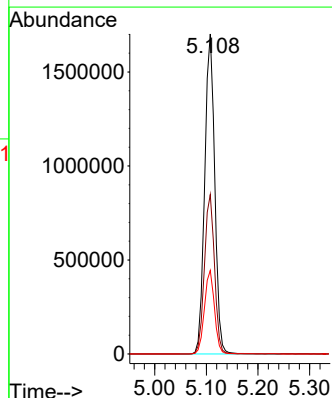
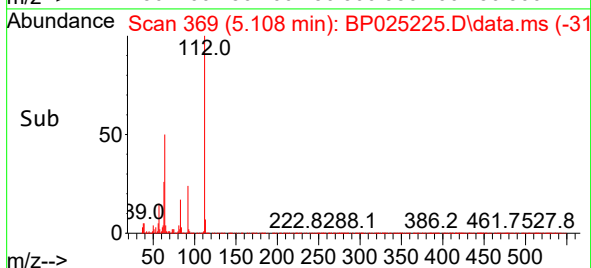
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

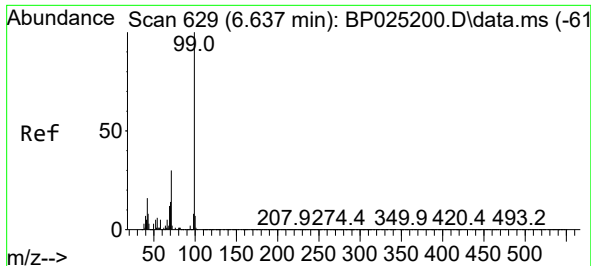


#5
2-Fluorophenol
Concen: 62.459 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32



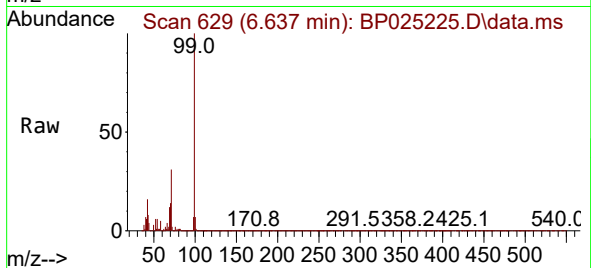
Tgt Ion:112 Resp: 2298638
Ion Ratio Lower Upper
112 100
64 49.8 39.8 59.6
63 26.1 20.5 30.7





#7
Phenol-d6
Concen: 65.858 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

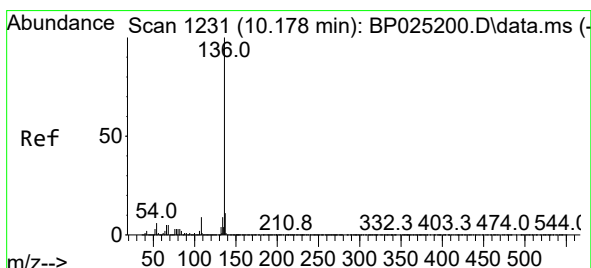
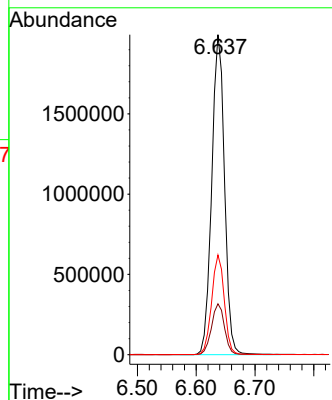
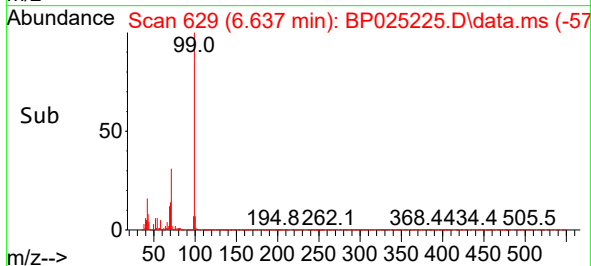
Instrument :
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ClientSampleId :
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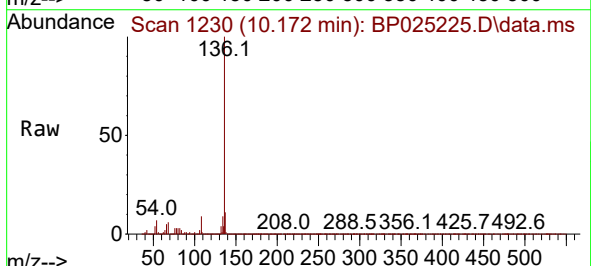
Tgt Ion: 99 Resp: 3001869
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 31.2 24.2 36.2

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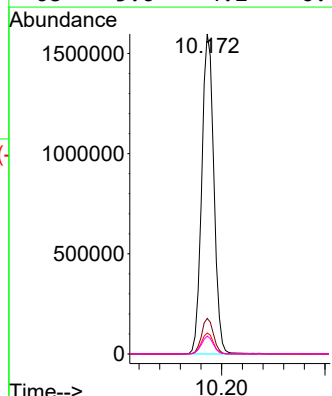
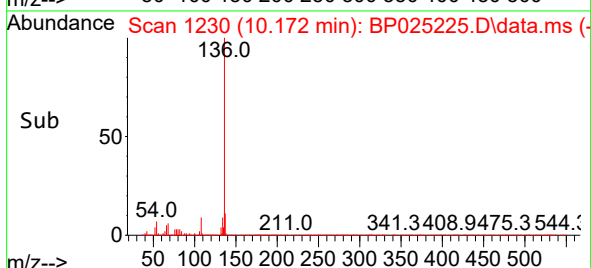
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

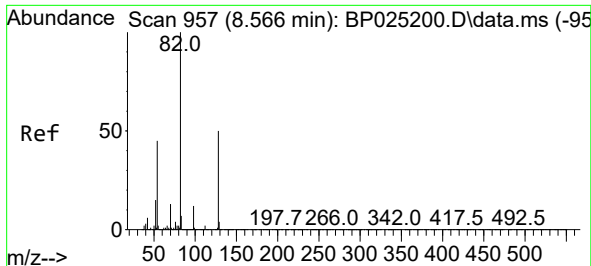


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32



Tgt Ion:136 Resp: 2595194
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.1 7.7
68 5.6 4.2 6.4





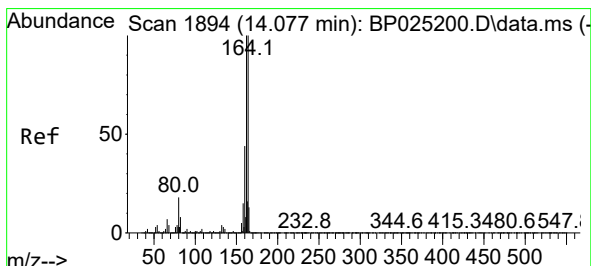
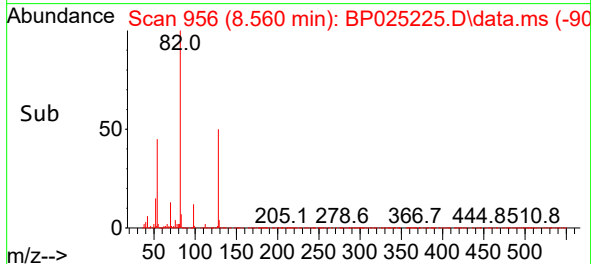
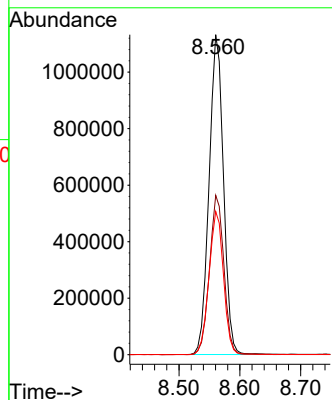
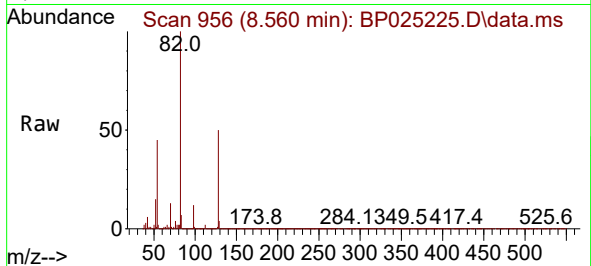
#23
Nitrobenzene-d5
Concen: 39.890 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725

Tgt Ion: 82 Resp: 1862789
Ion Ratio Lower Upper
82 100
128 49.8 40.2 60.4
54 44.8 36.3 54.5

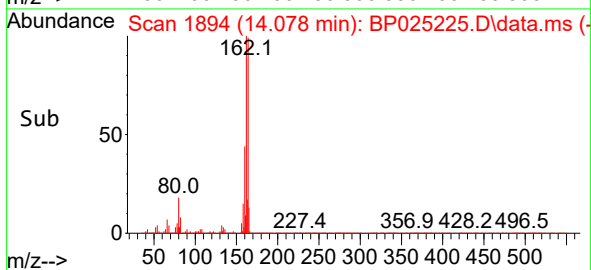
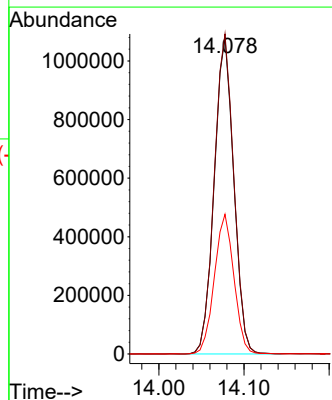
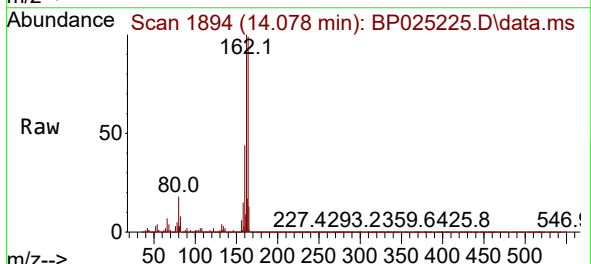
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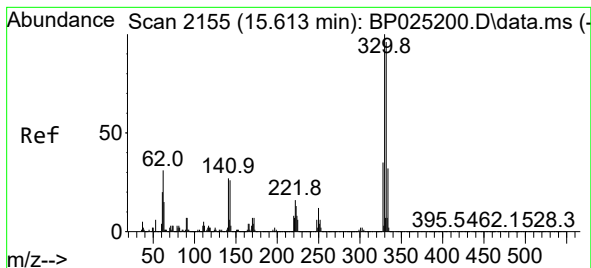
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

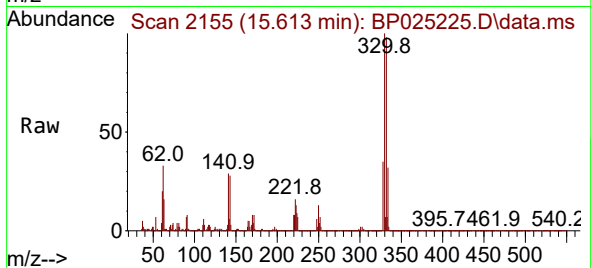
Tgt Ion:164 Resp: 1720443
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 44.1 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 65.803 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

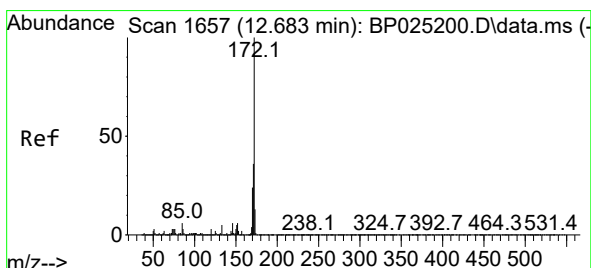
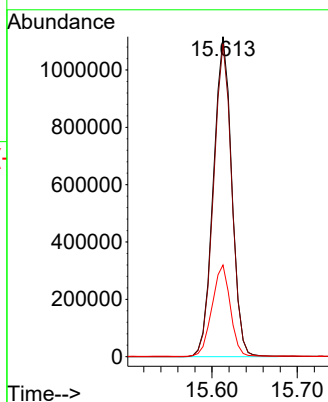
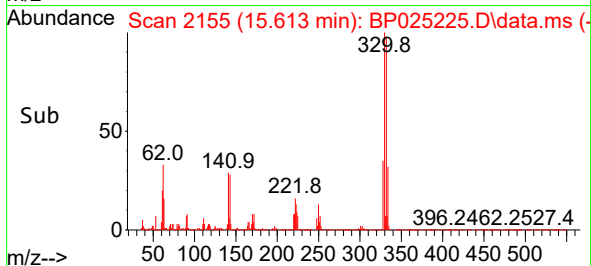
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725



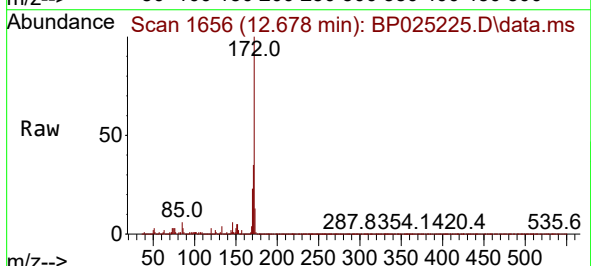
Tgt Ion:330 Resp: 166896
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 28.3 22.4 33.6

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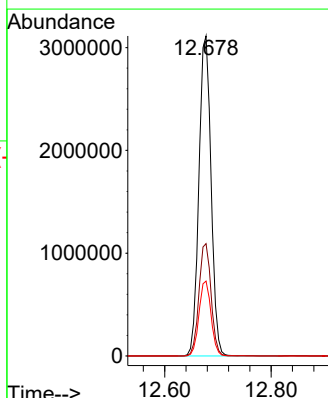
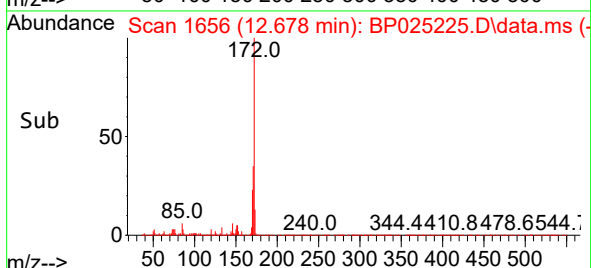
Reviewed By :Rahul Chavli 07/24/2025
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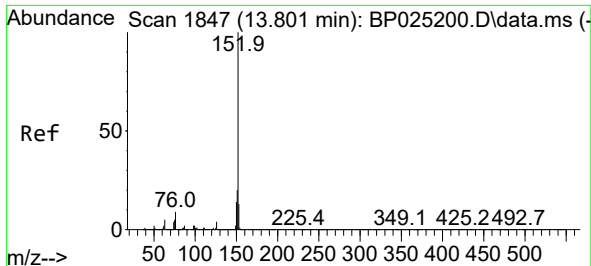


#45
2-Fluorobiphenyl
Concen: 40.258 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32



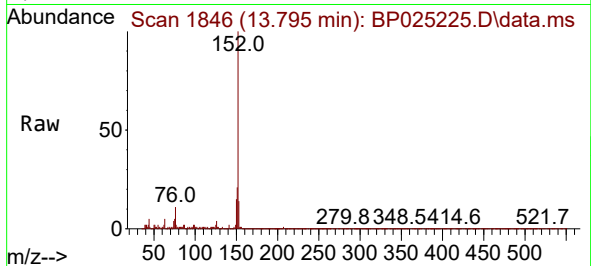
Tgt Ion:172 Resp: 4912796
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.4 19.2 28.8





#49
Acenaphthylene
Concen: 2.028 ng
RT: 13.795 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

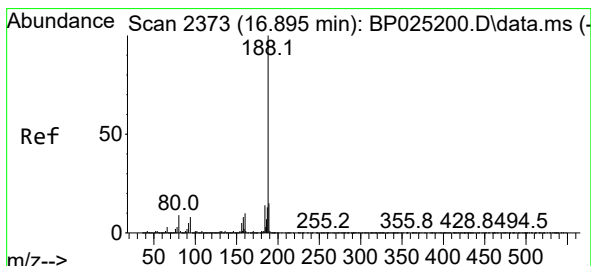
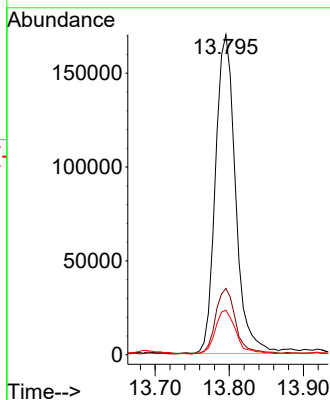
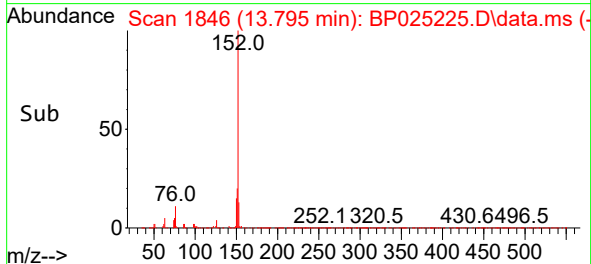
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725



Tgt Ion:152 Resp: 319352
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.9 10.6 15.8

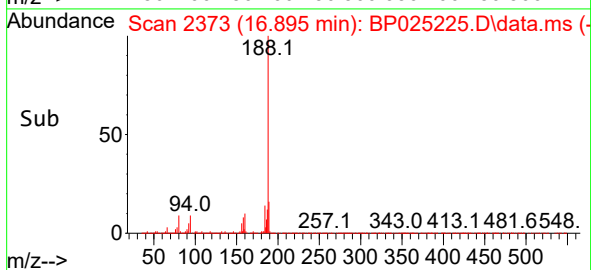
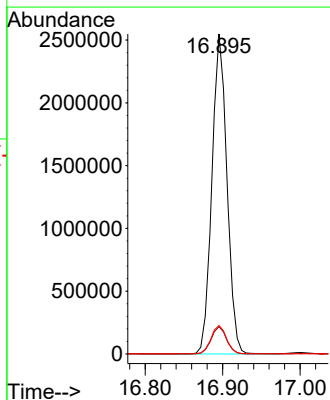
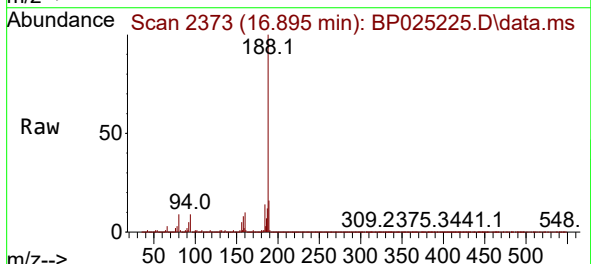
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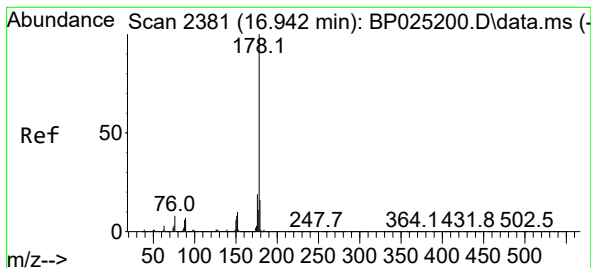
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:188 Resp: 3429853
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 8.9 7.3 10.9





#71

Phenanthrene

Concen: 2.153 ng

RT: 16.936 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

Tgt Ion:178 Resp: 39824

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

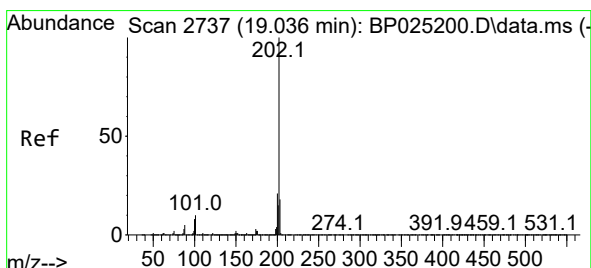
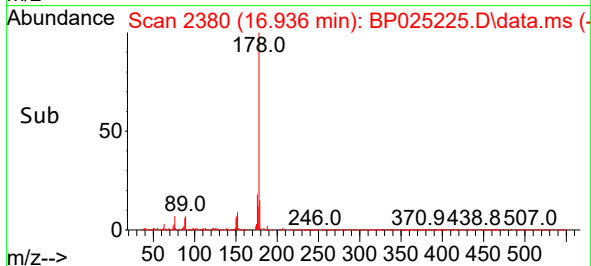
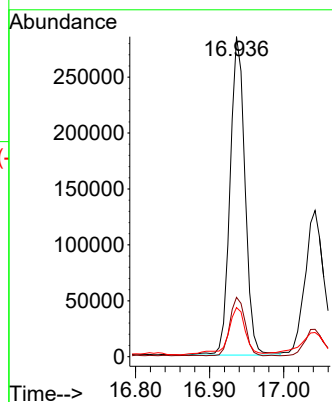
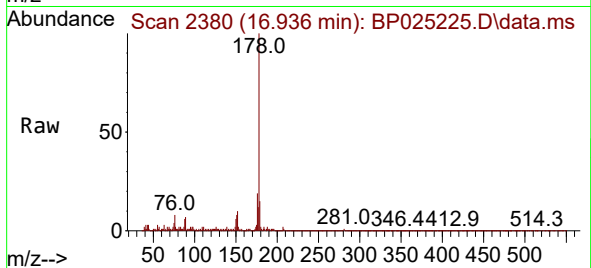
179 15.4 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#75

Fluoranthene

Concen: 6.178 ng

RT: 19.036 min Scan# 2737

Delta R.T. 0.000 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

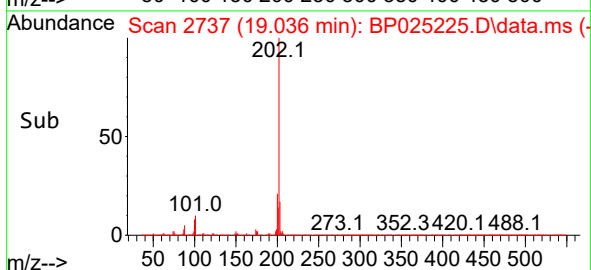
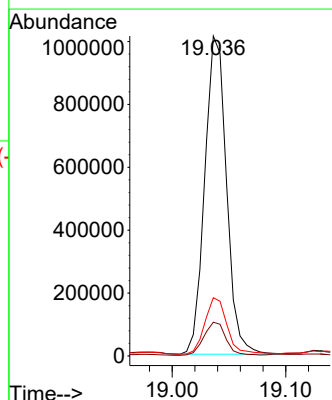
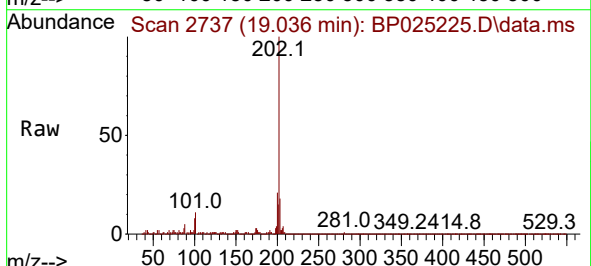
Tgt Ion:202 Resp: 1345103

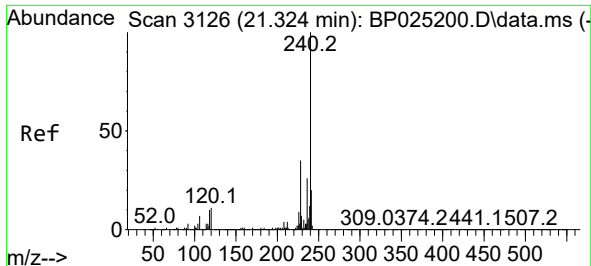
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

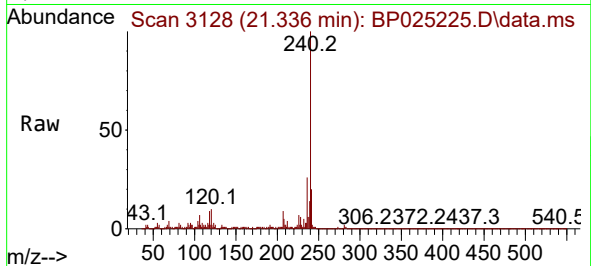
203 18.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.336 min Scan# 3126
Delta R.T. 0.012 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

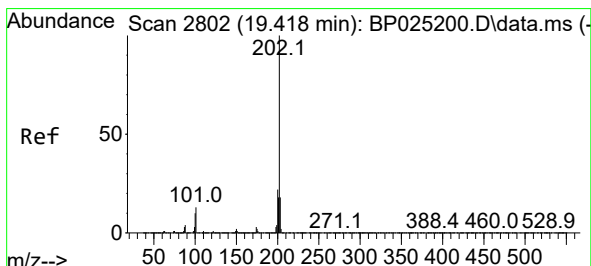
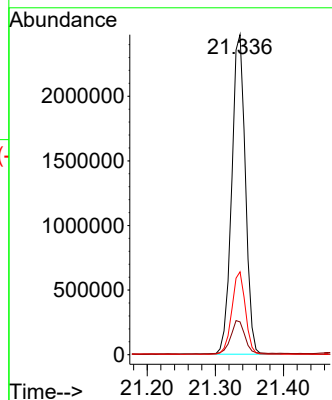
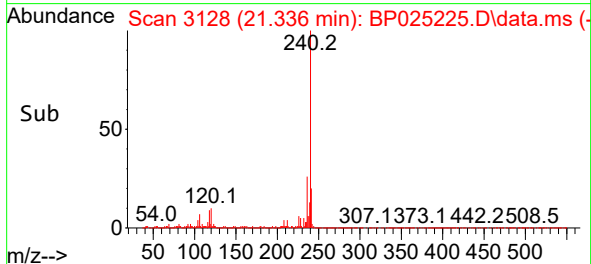
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725



Tgt Ion:240 Resp: 3438630
Ion Ratio Lower Upper
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120 10.2 8.8 13.2
236 25.9 20.9 31.3

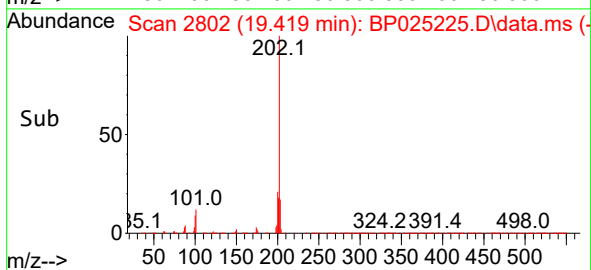
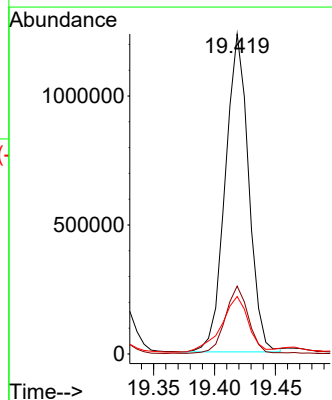
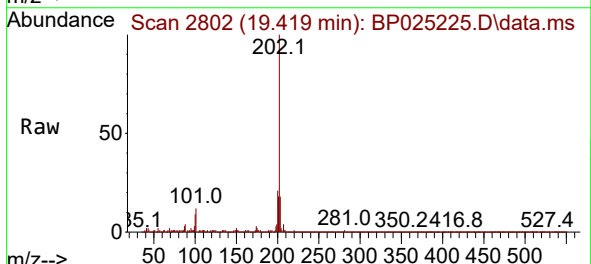
Manual Integrations
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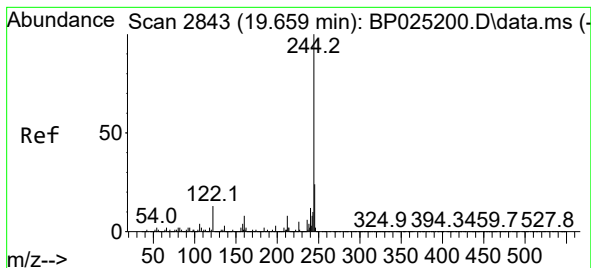
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#78
Pyrene
Concen: 7.774 ng
RT: 19.419 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:202 Resp: 1648299
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 41.633 ng

RT: 19.666 min Scan# 21

Delta R.T. 0.007 min

Lab File: BP025225.D

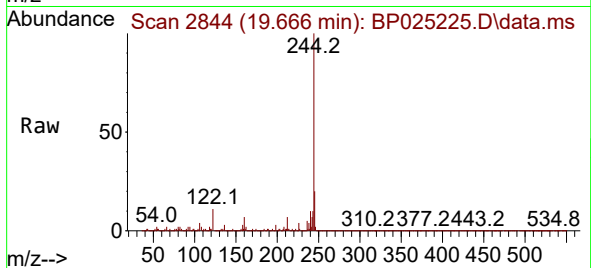
Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725



Tgt Ion:244 Resp: 7252208

Ion Ratio Lower Upper

244 100

212 7.0 6.6 9.8

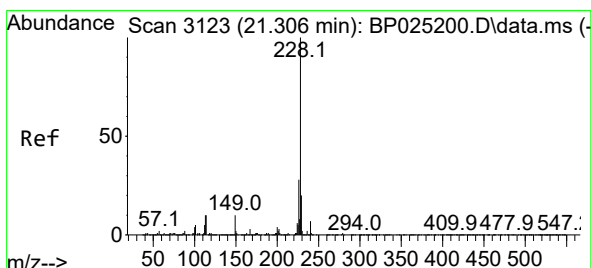
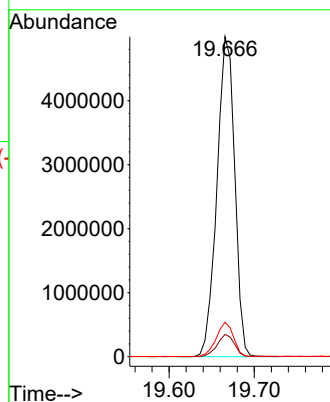
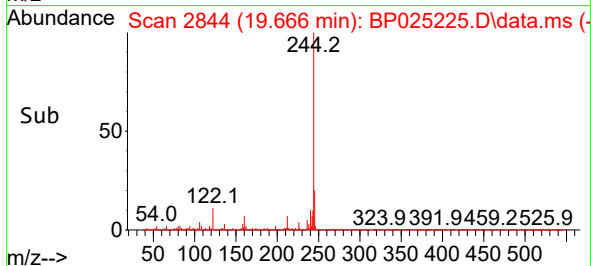
122 10.8 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#81

Benzo(a)anthracene

Concen: 5.797 ng m

RT: 21.318 min Scan# 3125

Delta R.T. 0.012 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

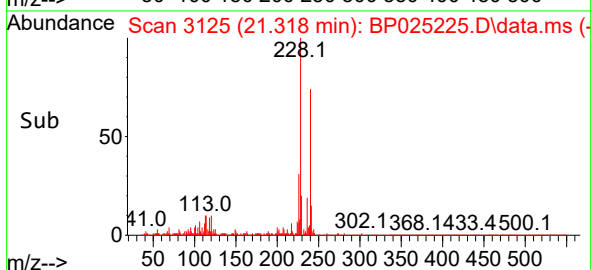
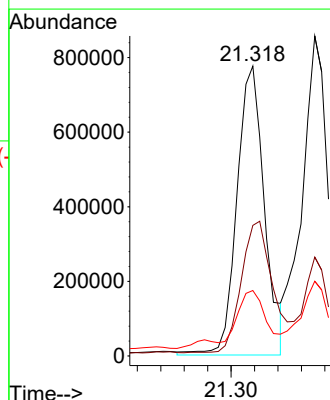
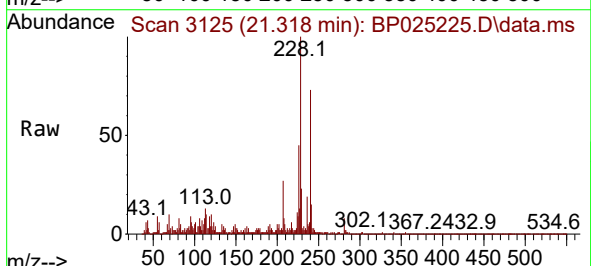
Tgt Ion:228 Resp: 1258776

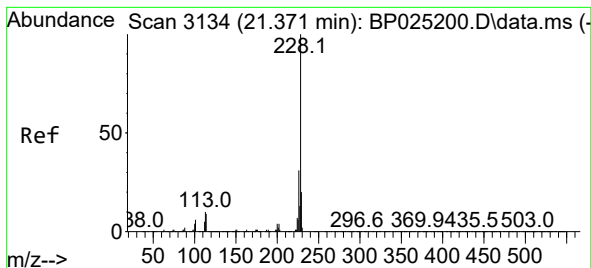
Ion Ratio Lower Upper

228 100

226 45.0 22.3 33.5#

229 22.6 16.2 24.2





#83

Chrysene

Concen: 6.222 ng

RT: 21.371 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

Tgt Ion:228 Resp: 126123

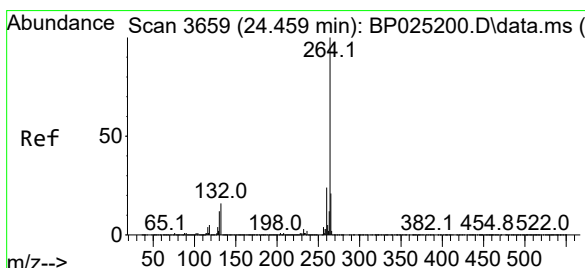
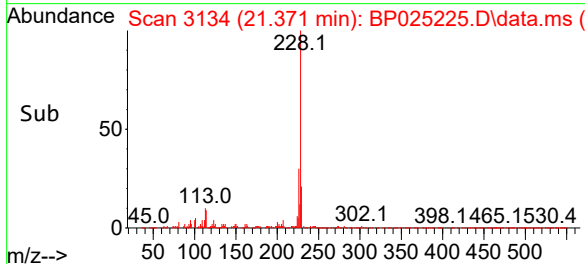
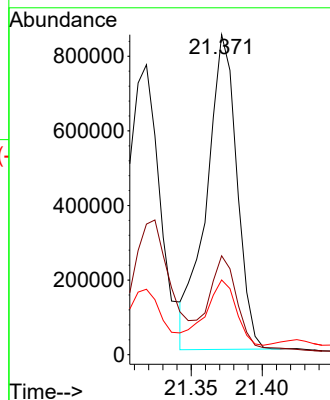
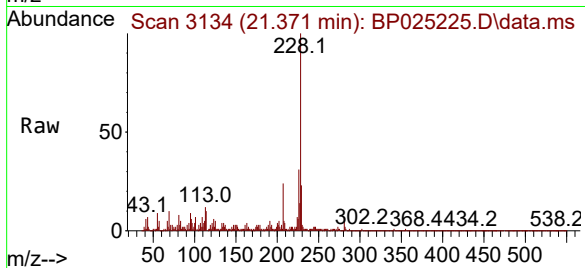
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	23.3	16.0	24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3662

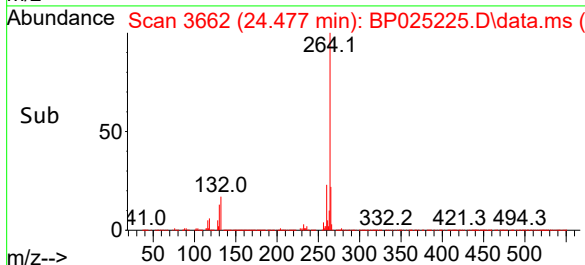
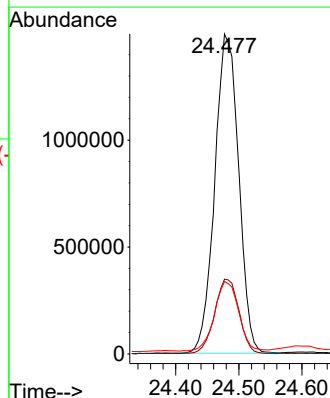
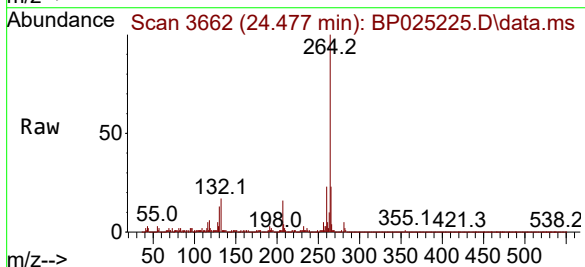
Delta R.T. 0.018 min

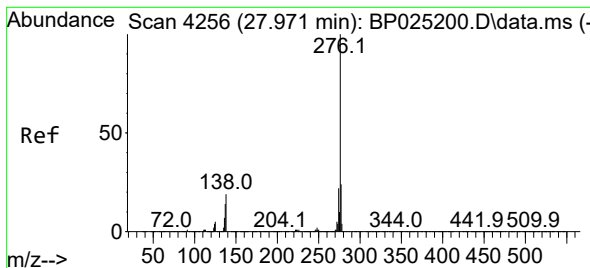
Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Tgt Ion:264 Resp: 3928190

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	22.6	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.435 ng

RT: 28.006 min Scan# 41

Delta R.T. 0.036 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

Tgt Ion:276 Resp: 98616

Ion Ratio Lower Upper

276 100

138 21.3 12.8 19.2

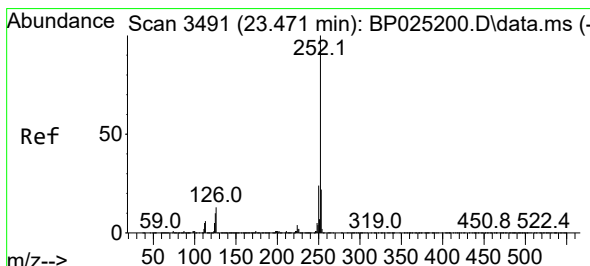
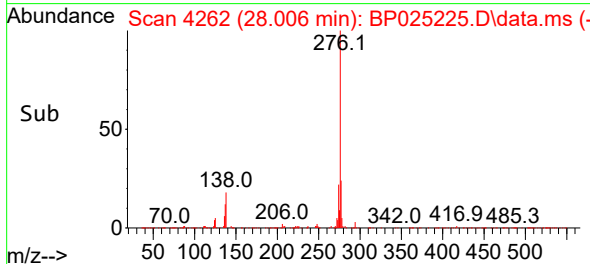
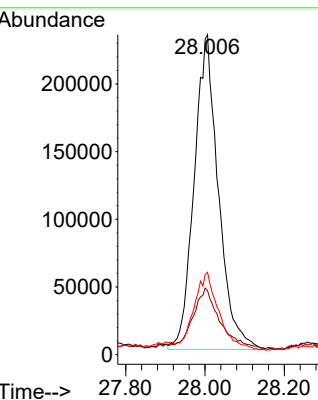
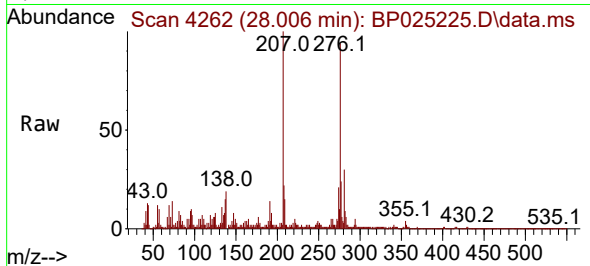
277 25.6 20.3 30.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#88

Benzo(b)fluoranthene

Concen: 7.066 ng

RT: 23.495 min Scan# 3495

Delta R.T. 0.024 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

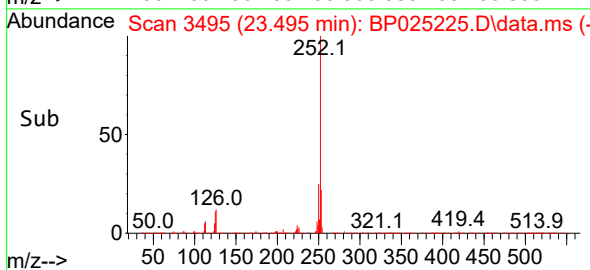
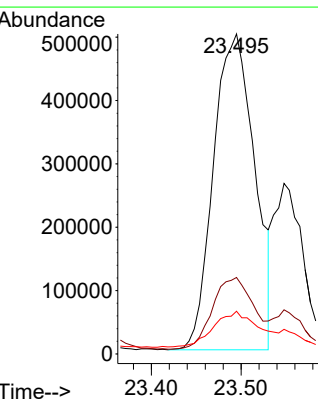
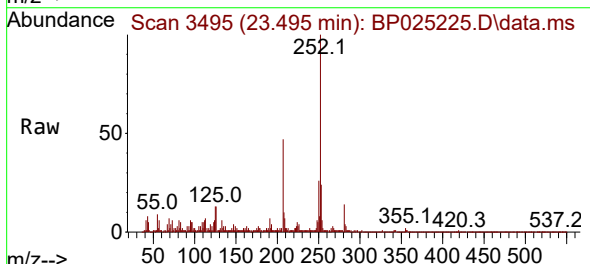
Tgt Ion:252 Resp: 1588865

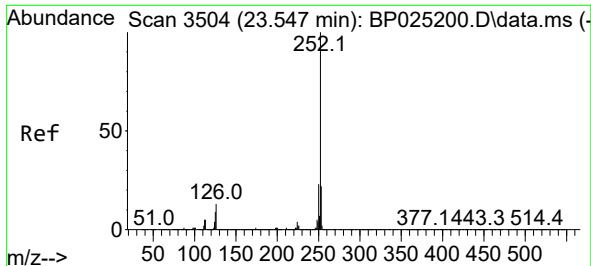
Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

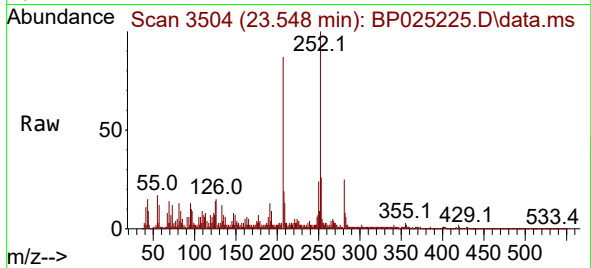
125 13.4 7.8 11.8#





#89
Benzo(k)fluoranthene
Concen: 2.683 ng m
RT: 23.548 min Scan# 3504
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

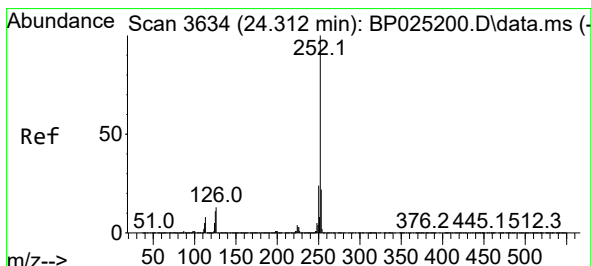
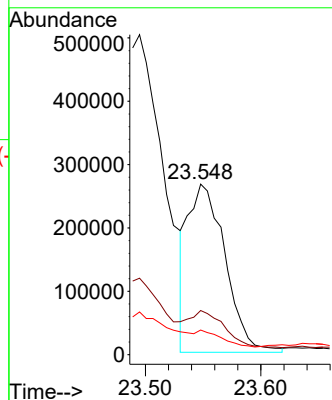
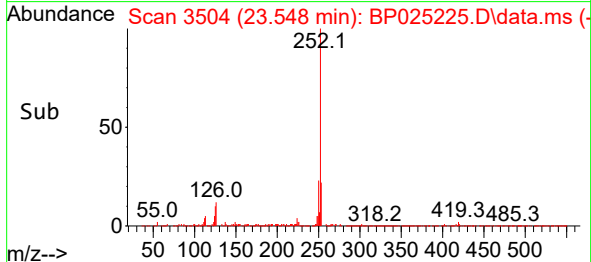
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725



Tgt Ion:252 Resp: 59563
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.6
125 14.4 7.5 11.3

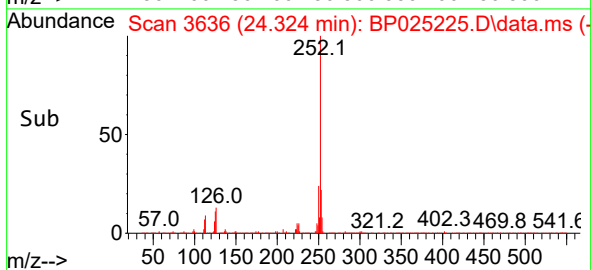
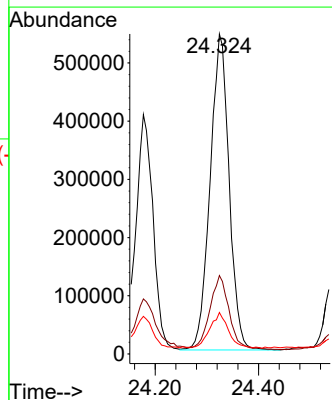
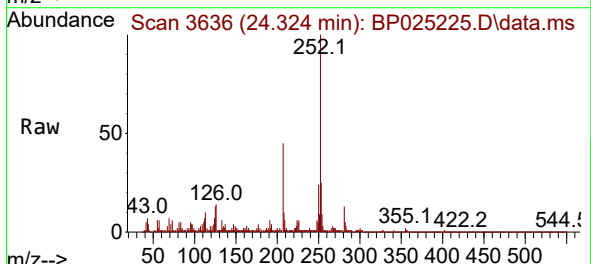
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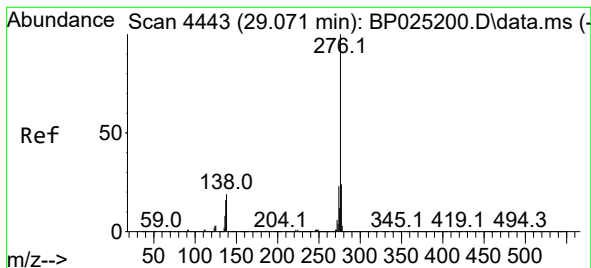
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#90
Benzo(a)pyrene
Concen: 6.303 ng
RT: 24.324 min Scan# 3636
Delta R.T. 0.012 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:252 Resp: 1382716
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 13.0 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 4.294 ng

RT: 29.100 min Scan# 44

Delta R.T. 0.030 min

Lab File: BP025225.D

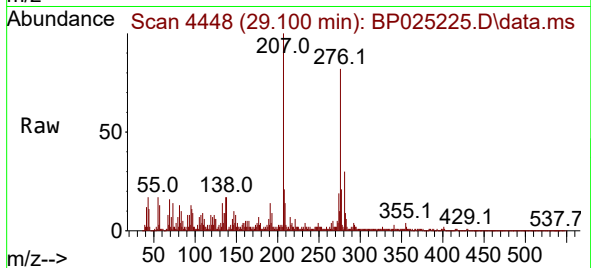
Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725



Tgt Ion:276 Resp: 98830

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 21.2 15.4 23.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025

