

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
 Data File : BP025216.D
 Acq On : 22 Jul 2025 15:59
 Operator : CG/JU
 Sample : Q2638-11RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 22 16:36:25 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

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	1303058	20.000	ng	0.01
21) Naphthalene-d8	10.184	136	4916558	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	2932051	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	5293009	20.000	ng	0.00
76) Chrysene-d12	21.336	240	5041029	20.000	ng	0.01
86) Perylene-d12	24.483	264	5921704	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.119	112	4684975	60.749	ng	0.02
7) Phenol-d6	6.649	99	5663577	59.294	ng	0.01
23) Nitrobenzene-d5	8.566	82	3563531	40.280	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	2632808	60.910	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	8346644	40.133	ng	0.00
79) Terphenyl-d14	19.666	244	10716235	41.964	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.795	152	636941	2.373	ng	100
71) Phenanthrene	16.930	178	617965	2.165	ng	99
75) Fluoranthene	19.042	202	2014194	5.995	ng	100
78) Pyrene	19.419	202	2453628	7.894	ng	98
81) Benzo(a)anthracene	21.319	228	1808797m	5.682	ng	
83) Chrysene	21.377	228	2048002m	6.892	ng	
87) Indeno(1,2,3-cd)pyrene	28.000	276	1532684	3.542	ng	# 94
88) Benzo(b)fluoranthene	23.489	252	2488989	7.343	ng	# 95
89) Benzo(k)fluoranthene	23.554	252	823071m	2.460	ng	
90) Benzo(a)pyrene	24.330	252	2132127	6.447	ng	96
92) Benzo(g,h,i)perylene	29.089	276	1495248	4.310	ng	97

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

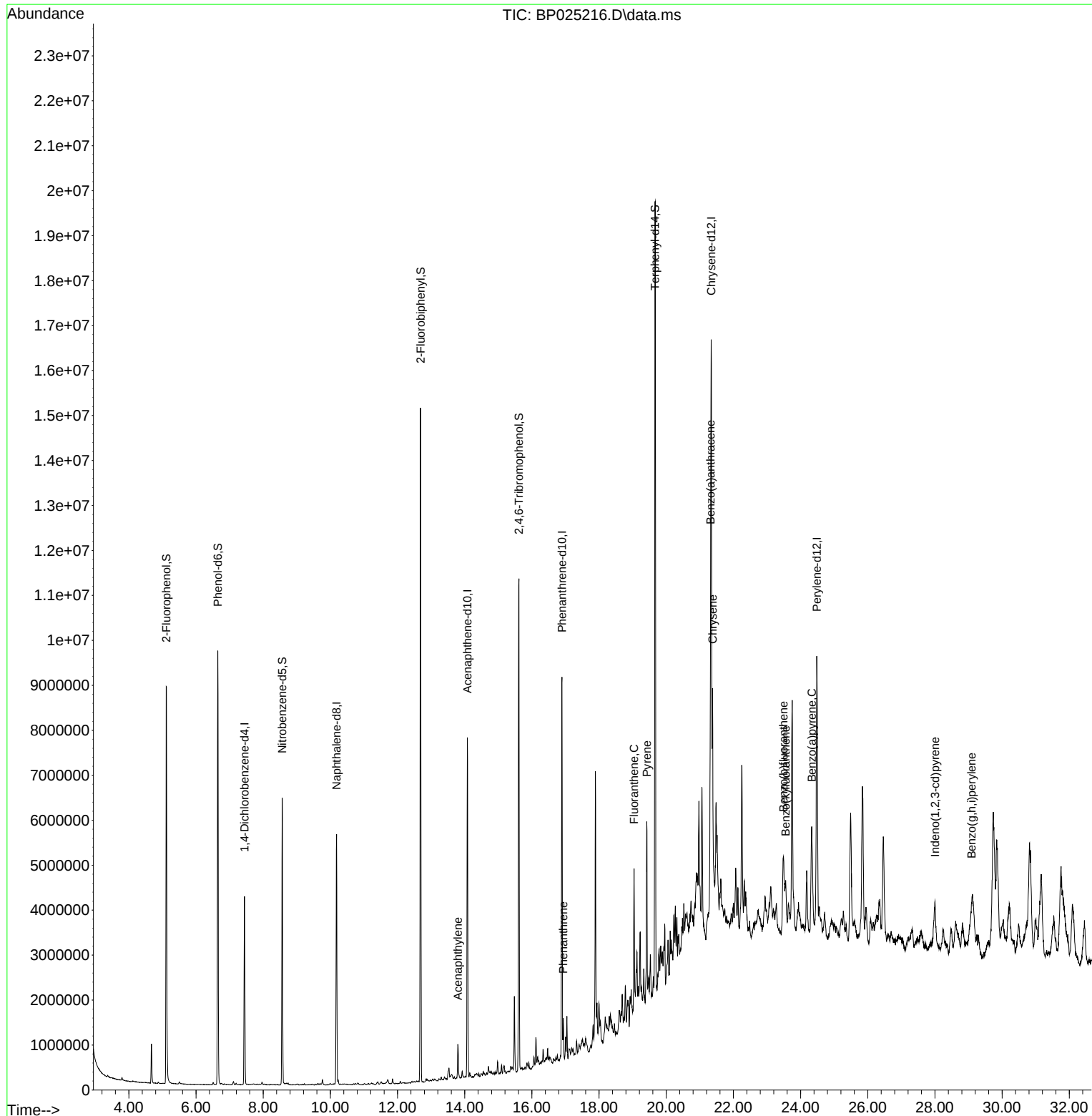
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Data File : BP025216.D
Acq On : 22 Jul 2025 15:59
Operator : CG/JU
Sample : Q2638-11RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

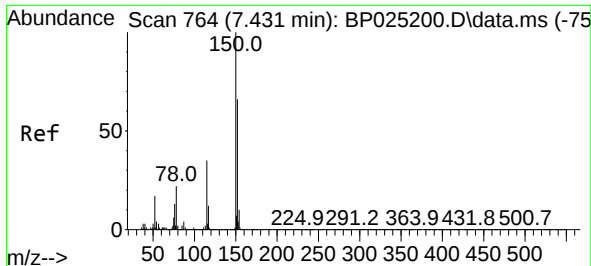
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BNA_P
ClientSampleId :
OU4-TS-36-071725RE

Quant Time: Jul 22 16:36:25 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
Response via : Initial Calibration

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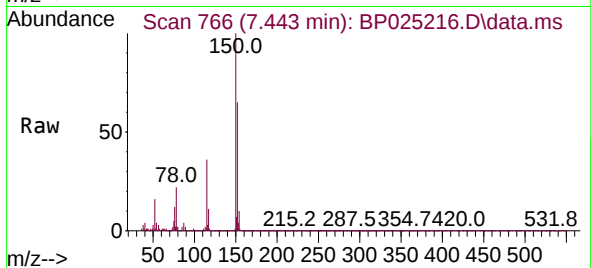
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Supervised By :Jagrut Upadhyay 07/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. 0.012 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

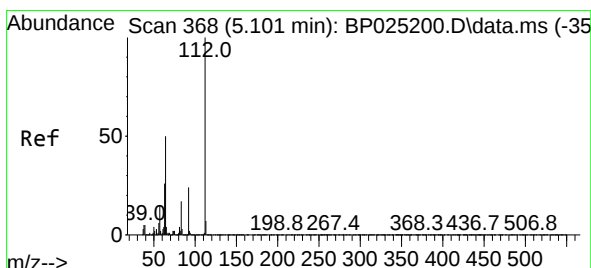
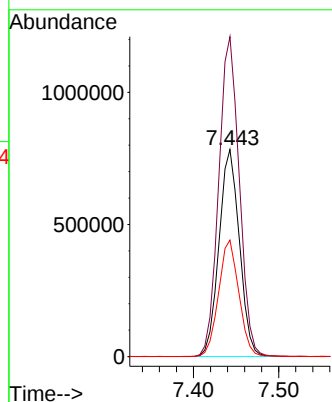
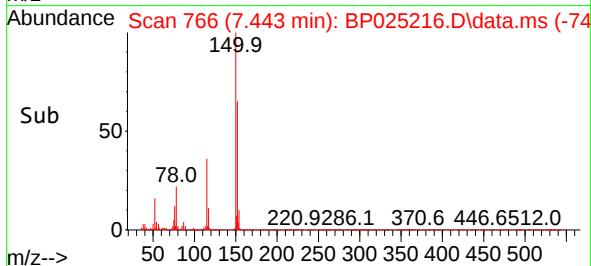
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:152 Resp: 1303058
Ion Ratio Lower Upper
152 100
150 154.4 121.9 182.9
115 56.2 43.0 64.6

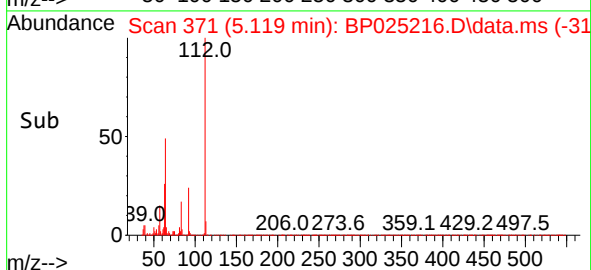
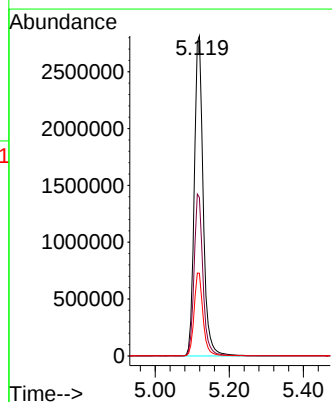
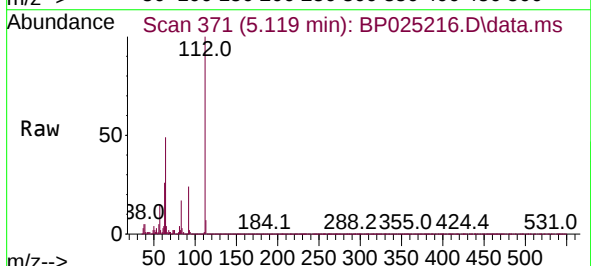
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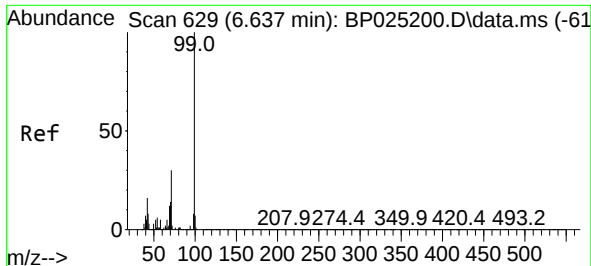
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#5
2-Fluorophenol
Concen: 60.749 ng
RT: 5.119 min Scan# 371
Delta R.T. 0.018 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

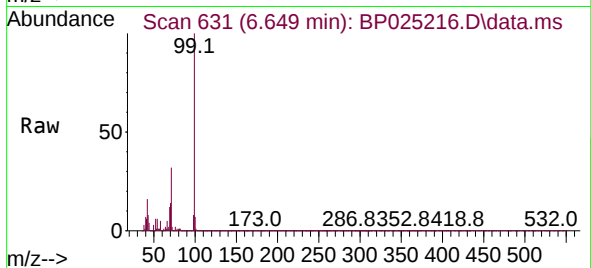
Tgt Ion:112 Resp: 4684975
Ion Ratio Lower Upper
112 100
64 49.5 39.8 59.6
63 25.8 20.5 30.7





#7
Phenol-d6
Concen: 59.294 ng
RT: 6.649 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

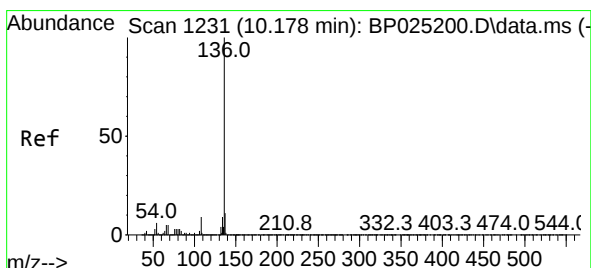
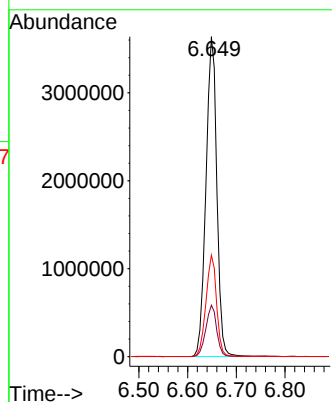
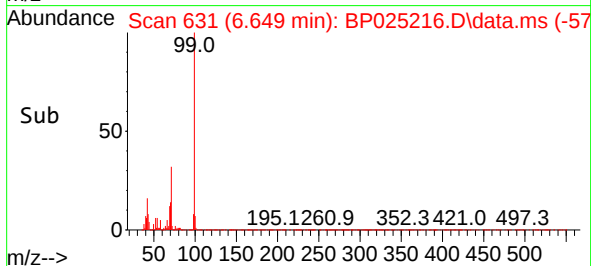
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



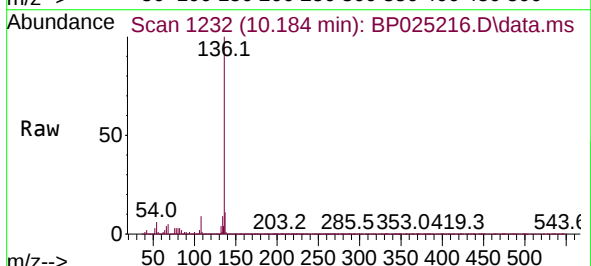
Tgt Ion: 99 Resp: 566357
Ion Ratio Lower Upper
99 100
42 16.1 12.5 18.7
71 31.7 24.2 36.2

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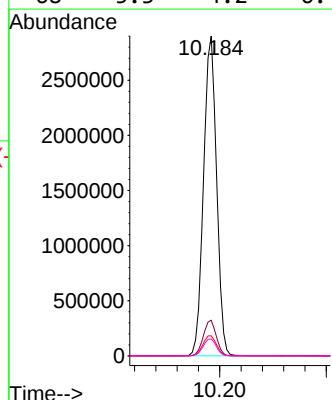
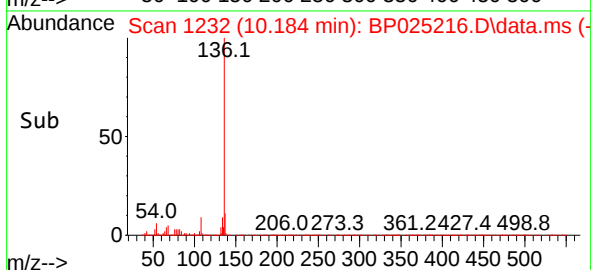
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

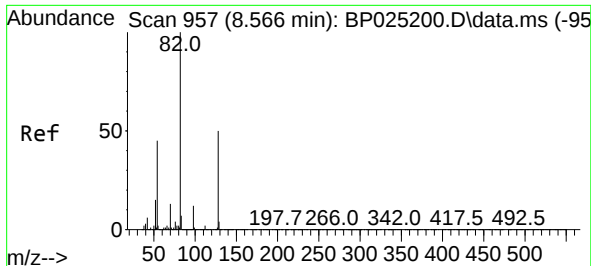


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59



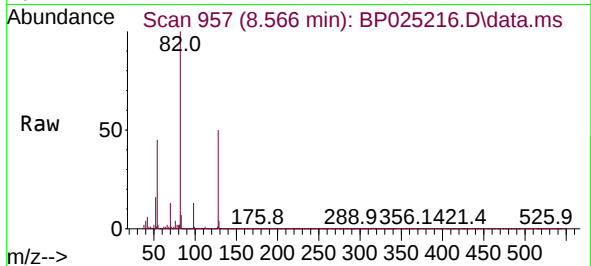
Tgt Ion:136 Resp: 4916558
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.3 5.1 7.7
68 5.3 4.2 6.4





#23
Nitrobenzene-d5
Concen: 40.280 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

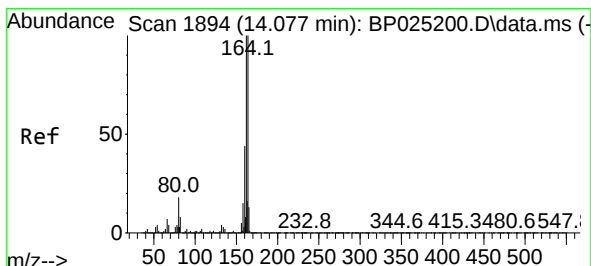
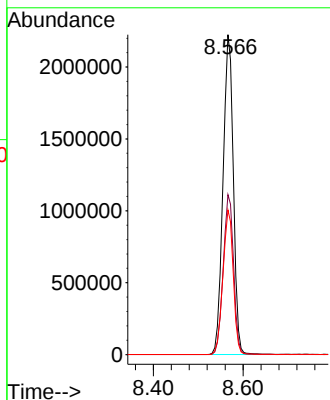
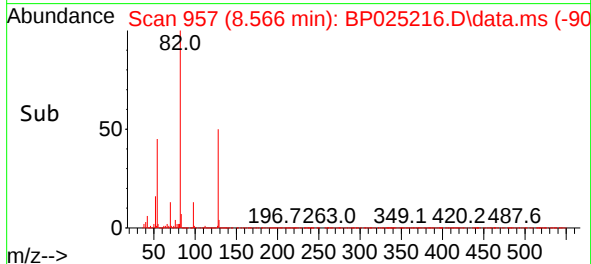
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



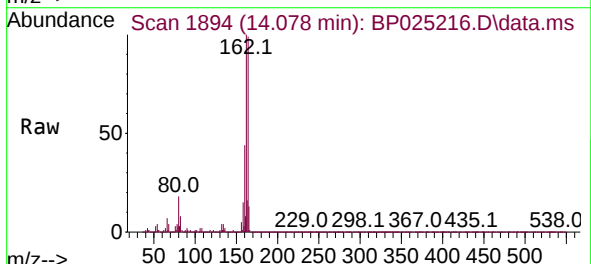
Tgt Ion: 82 Resp: 356353
Ion Ratio Lower Upper
82 100
128 50.0 40.2 60.4
54 45.2 36.3 54.5

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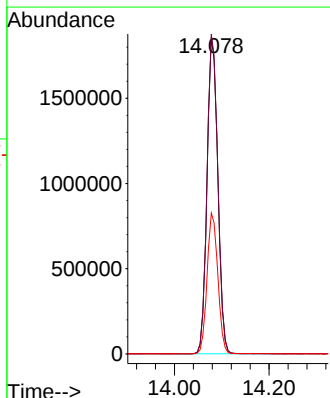
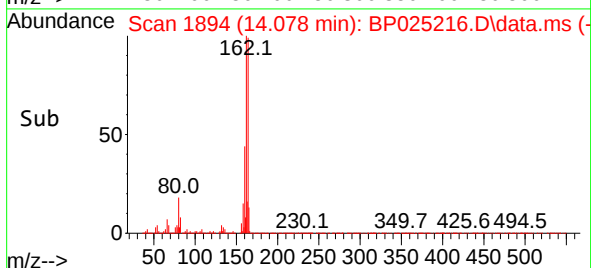
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

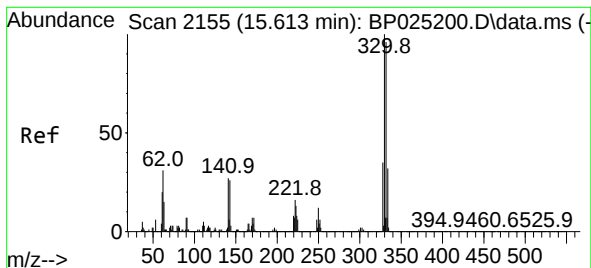


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59



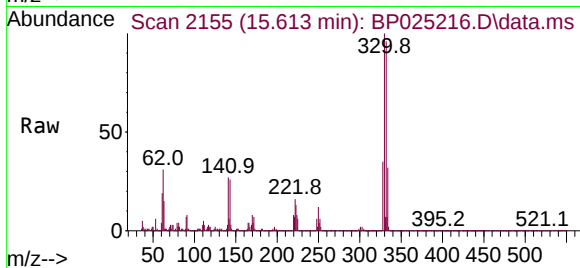
Tgt Ion:164 Resp: 2932051
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 44.4 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 60.910 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

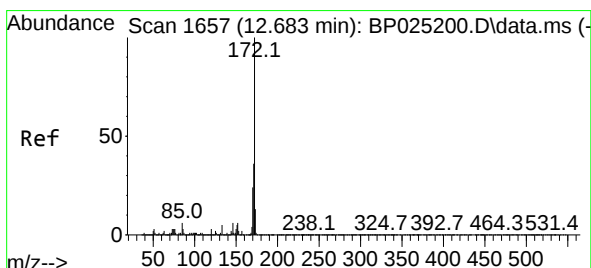
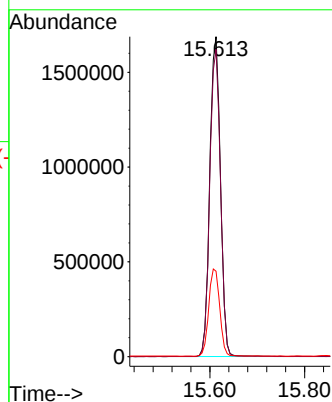
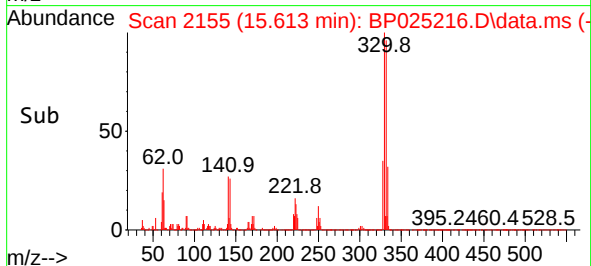
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



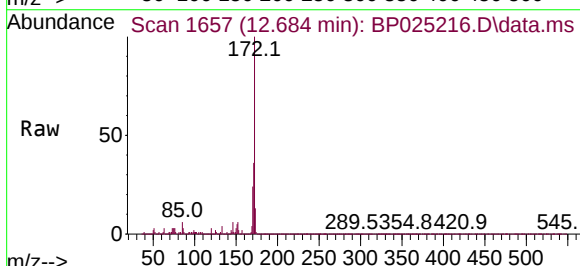
Tgt Ion:330 Resp: 2632808
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 28.1 22.4 33.6

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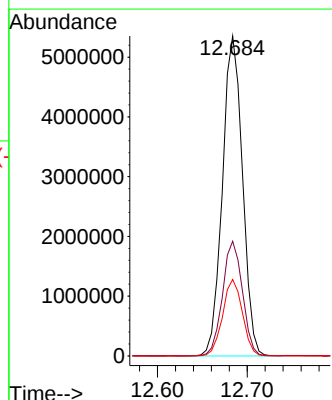
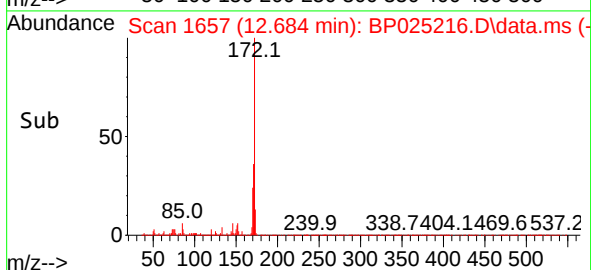
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Supervised By :Jagrut Upadhyay 07/23/2025

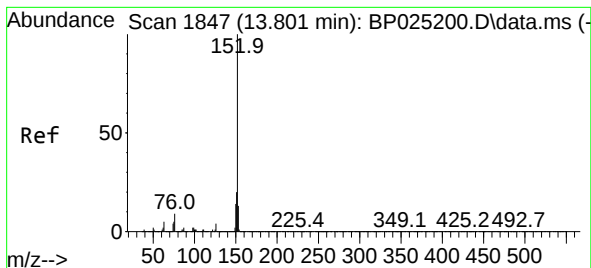


#45
2-Fluorobiphenyl
Concen: 40.133 ng
RT: 12.684 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59



Tgt Ion:172 Resp: 8346644
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.9 19.2 28.8





#49

Acenaphthylene

Concen: 2.373 ng

RT: 13.795 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

Tgt Ion:152 Resp: 636941

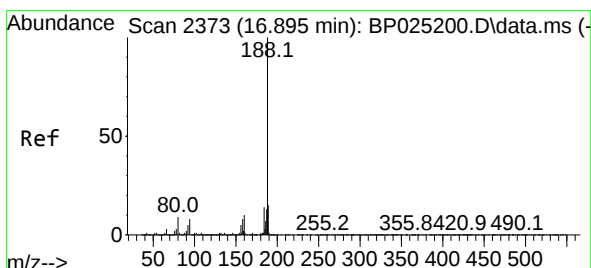
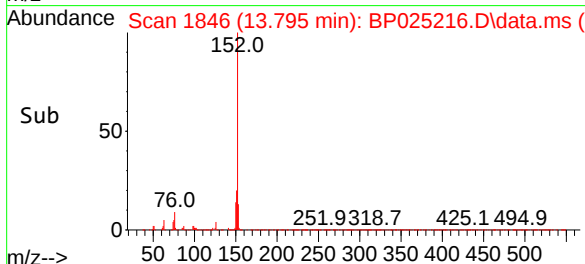
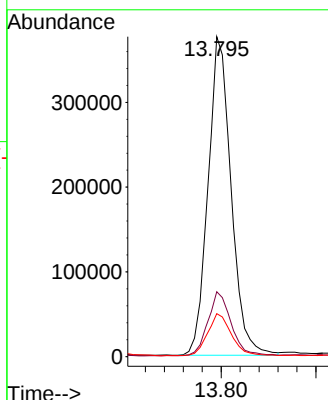
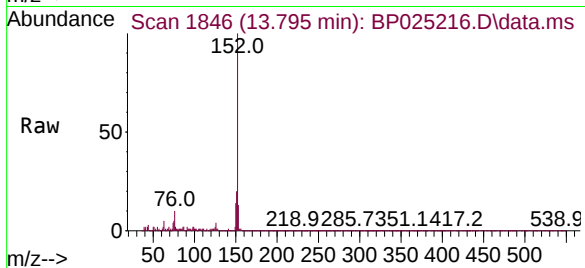
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.4	10.6	15.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/23/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.895 min Scan# 2373

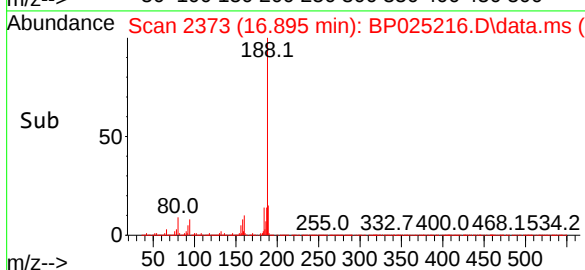
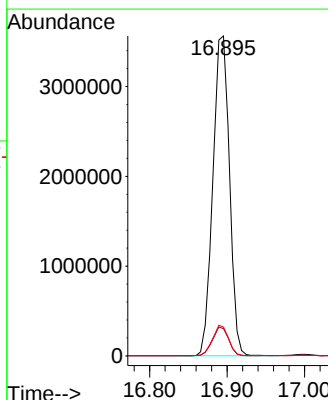
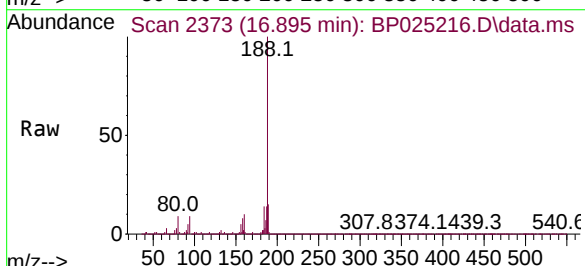
Delta R.T. 0.000 min

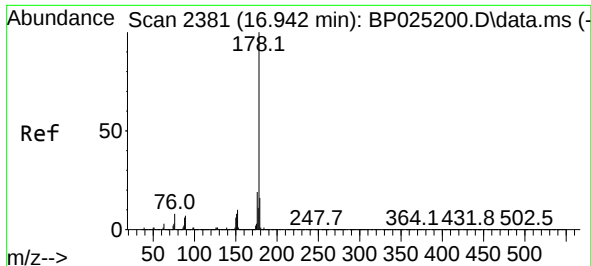
Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Tgt Ion:188 Resp: 5293009

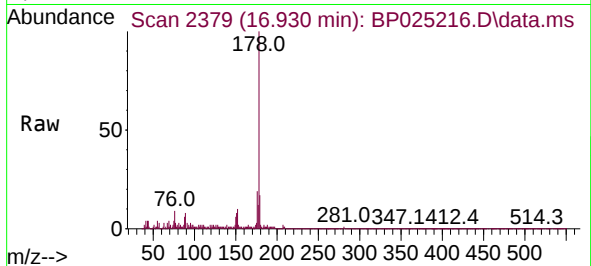
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.0	7.3	10.9





#71
Phenanthrene
Concen: 2.165 ng
RT: 16.930 min Scan# 2381
Delta R.T. -0.011 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

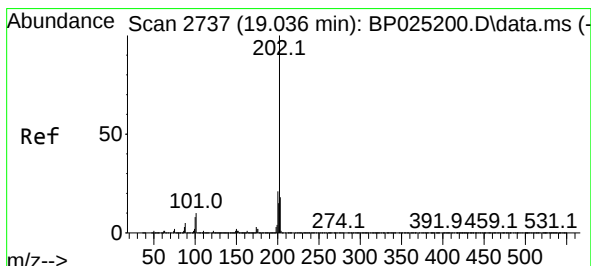
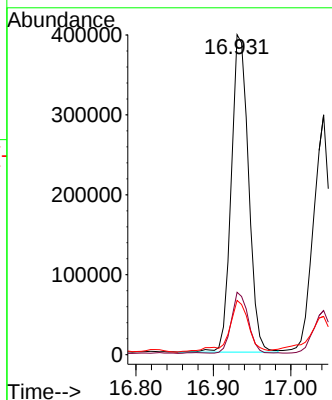
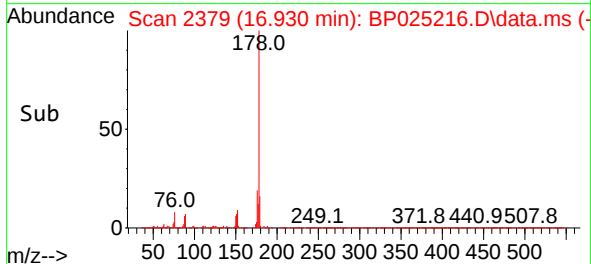
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:178 Resp: 617965
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 16.9 12.5 18.7

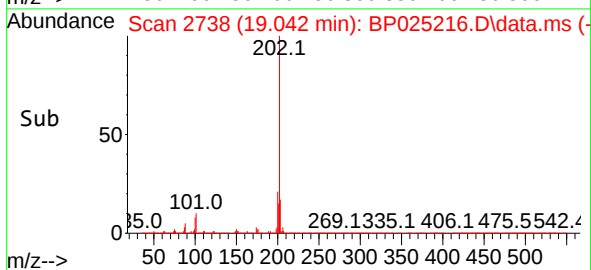
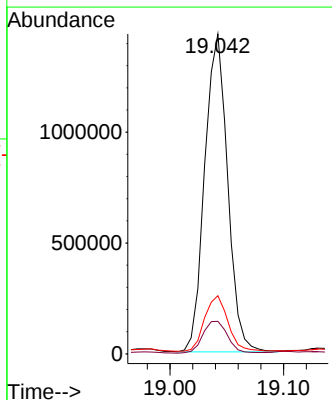
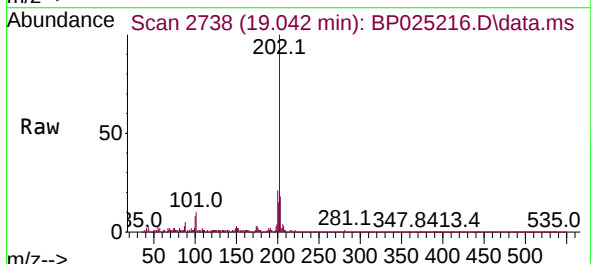
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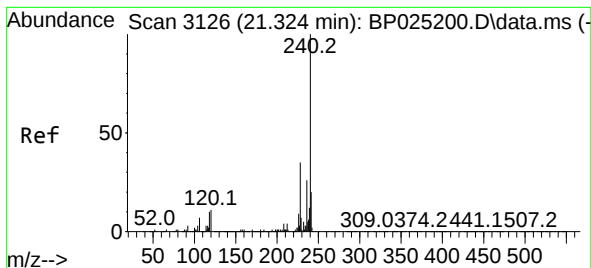
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#75
Fluoranthene
Concen: 5.995 ng
RT: 19.042 min Scan# 2738
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

Tgt Ion:202 Resp: 2014194
Ion Ratio Lower Upper
202 100
101 10.2 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: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

Tgt Ion:240 Resp: 5041029

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

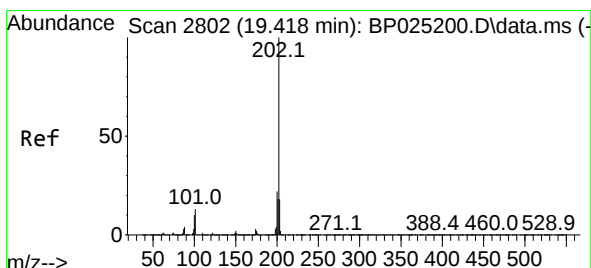
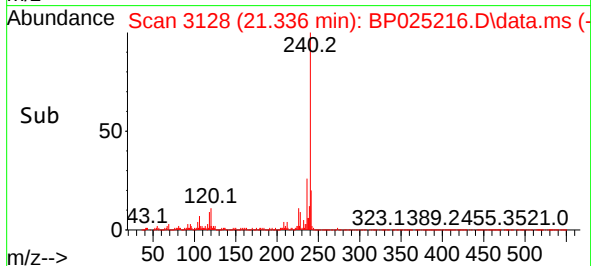
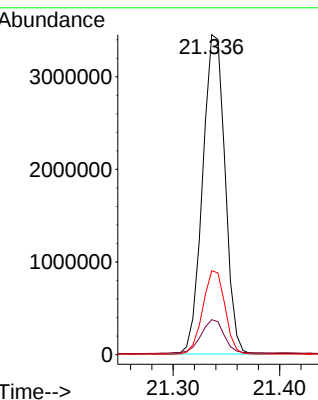
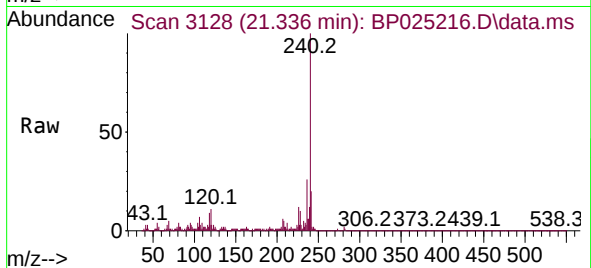
236 26.2 20.9 31.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#78

Pyrene

Concen: 7.894 ng

RT: 19.419 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

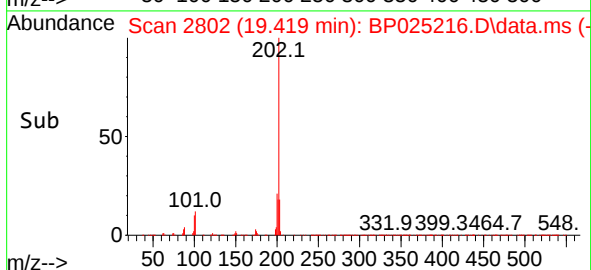
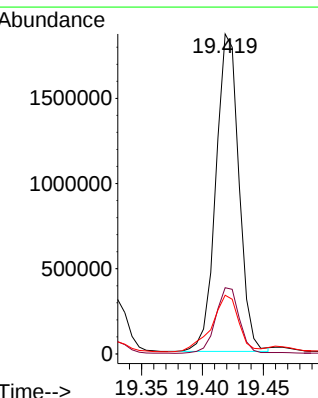
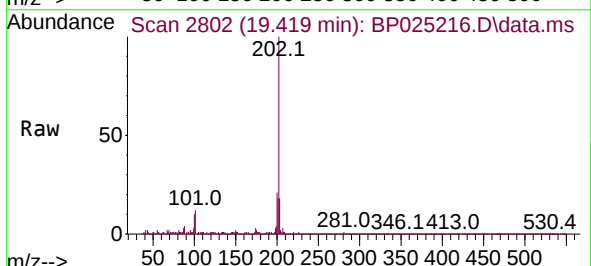
Tgt Ion:202 Resp: 2453628

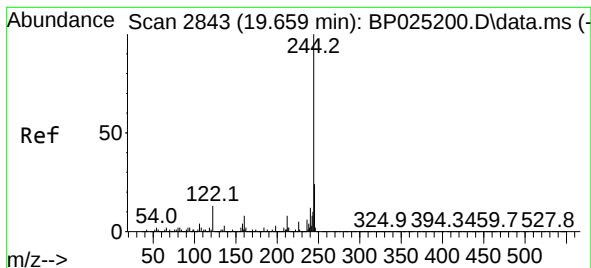
Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 18.3 14.3 21.5





#79

Terphenyl-d14

Concen: 41.964 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025216.D

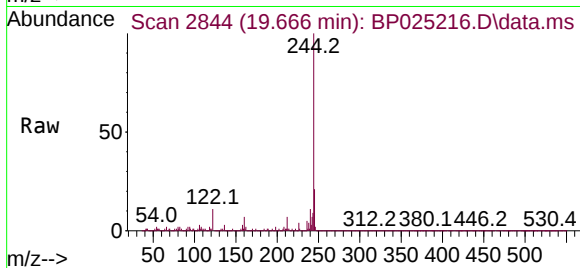
Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE



Tgt Ion:244 Resp:10716235

Ion Ratio Lower Upper

244 100

212 7.1 6.6 9.8

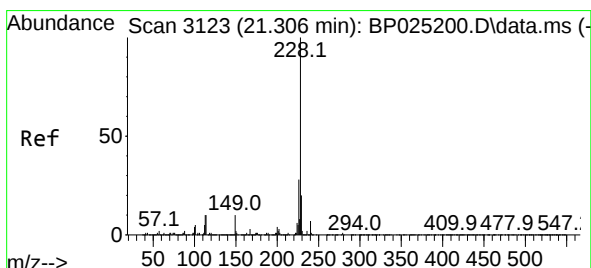
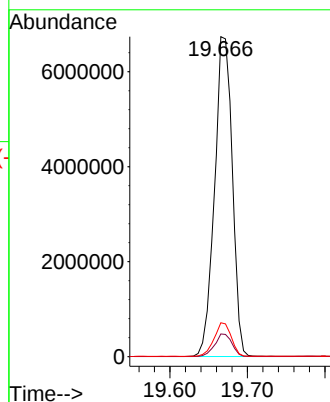
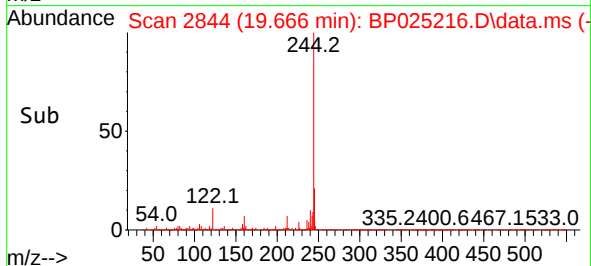
122 10.6 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#81

Benzo(a)anthracene

Concen: 5.682 ng m

RT: 21.319 min Scan# 3125

Delta R.T. 0.012 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

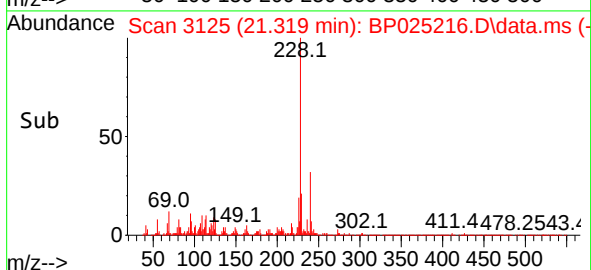
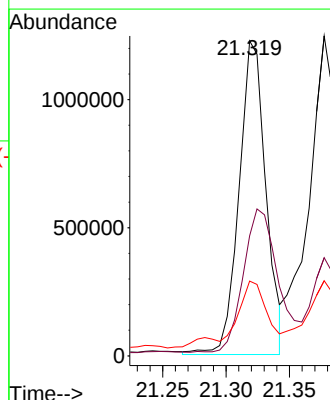
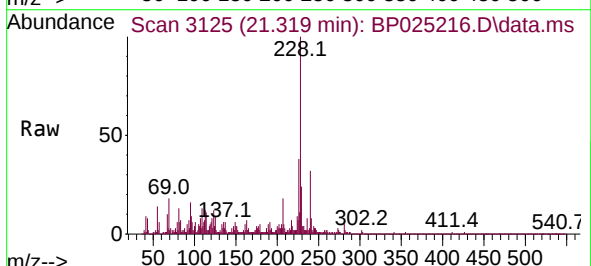
Tgt Ion:228 Resp: 1808797

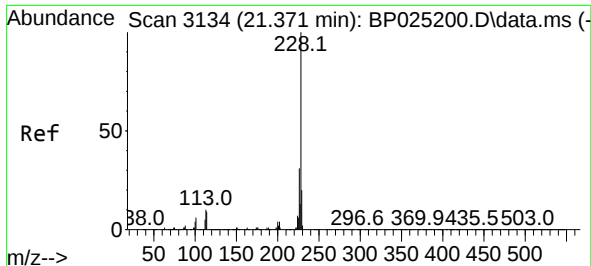
Ion Ratio Lower Upper

228 100

226 38.1 22.3 33.5#

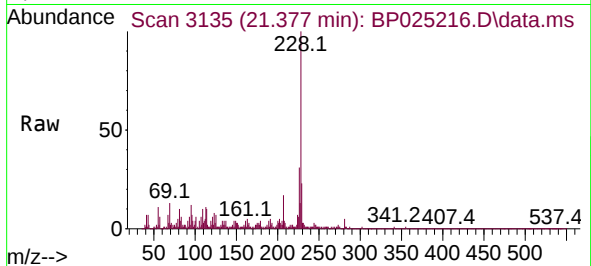
229 23.7 16.2 24.2





#83
Chrysene
Concen: 6.892 ng m
RT: 21.377 min Scan# 3134
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

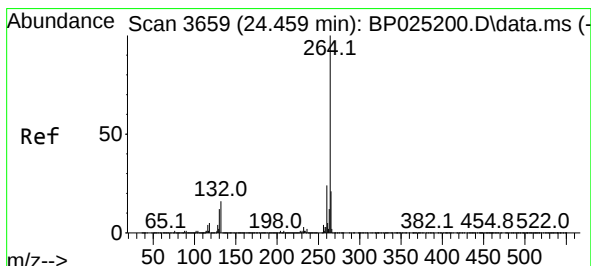
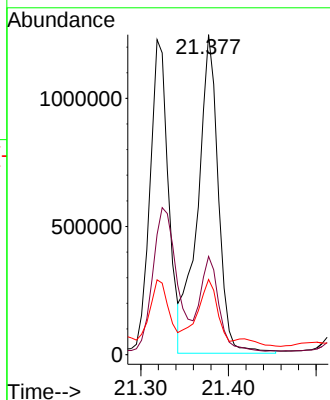
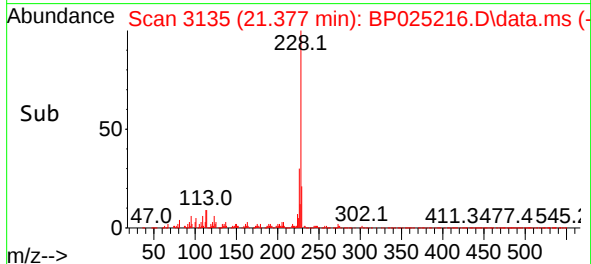
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:228 Resp: 2048002
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 23.5 16.0 24.0

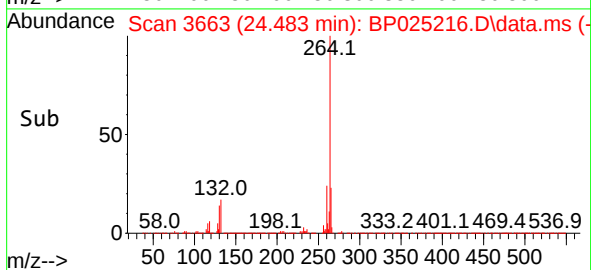
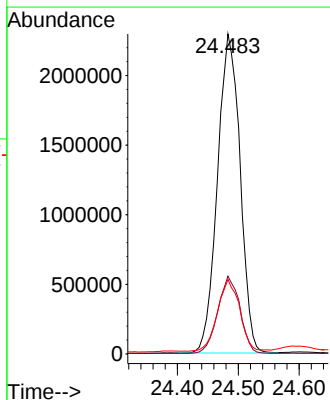
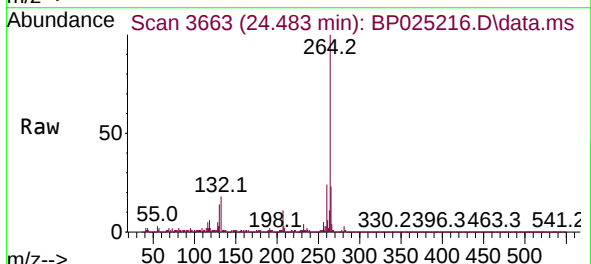
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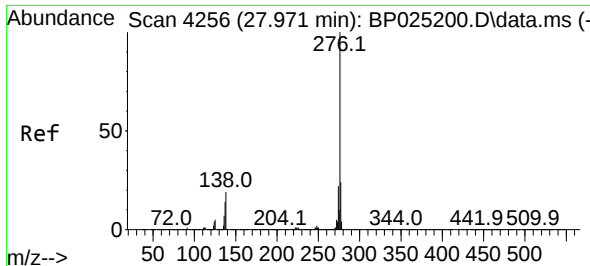
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.483 min Scan# 3663
Delta R.T. 0.024 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

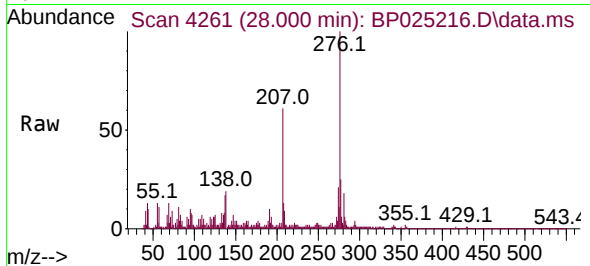
Tgt Ion:264 Resp: 5921704
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 23.3 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.542 ng
RT: 28.000 min Scan# 4256
Delta R.T. 0.030 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

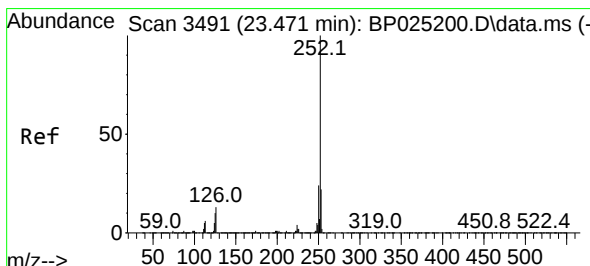
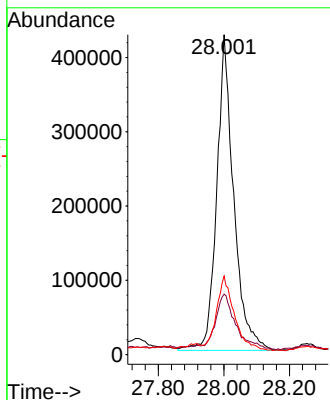
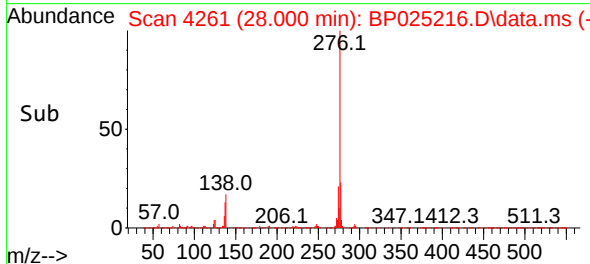
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:276 Resp: 1532684
Ion Ratio Lower Upper
276 100
138 21.2 12.8 19.2
277 24.6 20.3 30.5

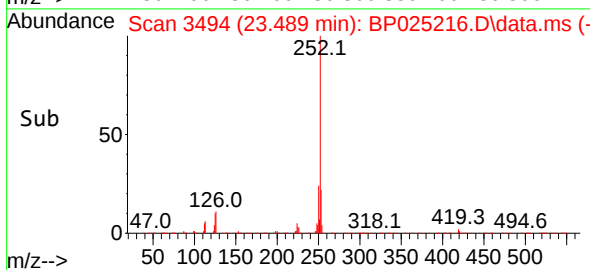
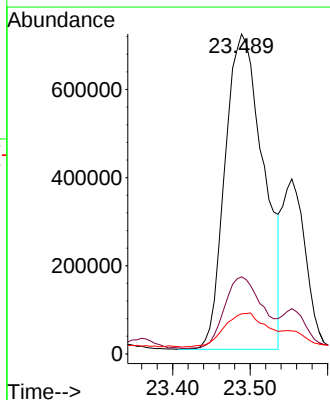
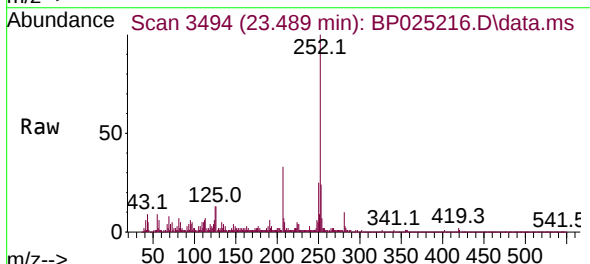
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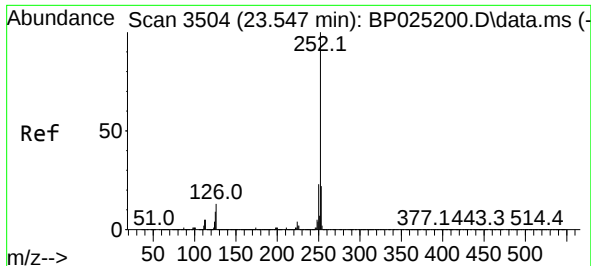
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#88
Benzo(b)fluoranthene
Concen: 7.343 ng
RT: 23.489 min Scan# 3494
Delta R.T. 0.018 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

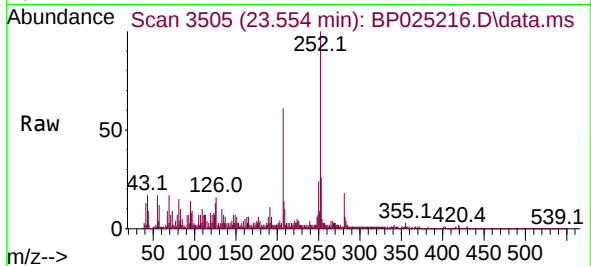
Tgt Ion:252 Resp: 2488989
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 12.5 7.8 11.8





#89
Benzo(k)fluoranthene
Concen: 2.460 ng m
RT: 23.554 min Scan# 3504
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

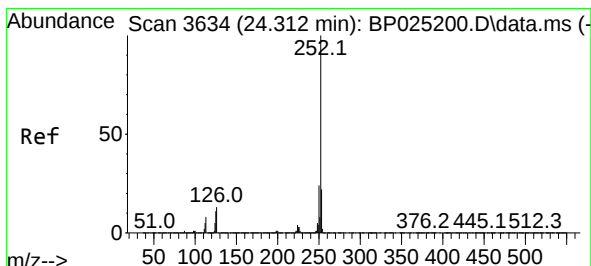
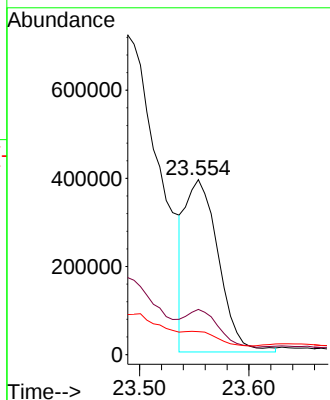
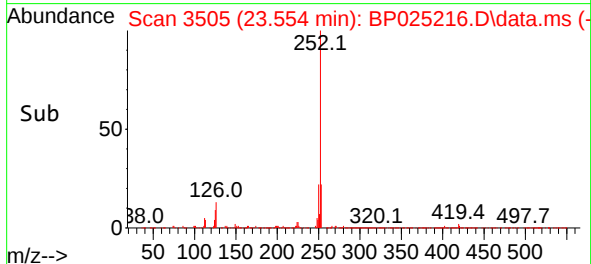
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE



Tgt Ion:252 Resp: 823071
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 13.2 7.5 11.3

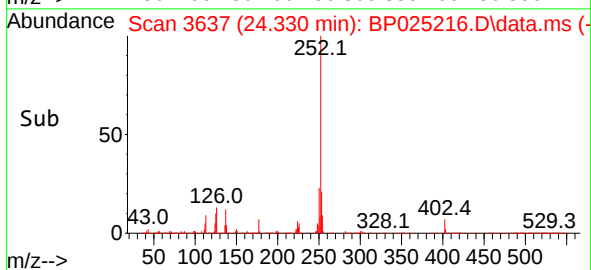
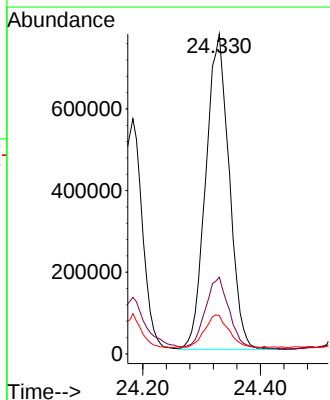
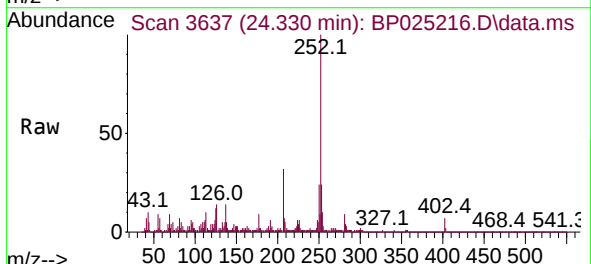
Manual Integrations
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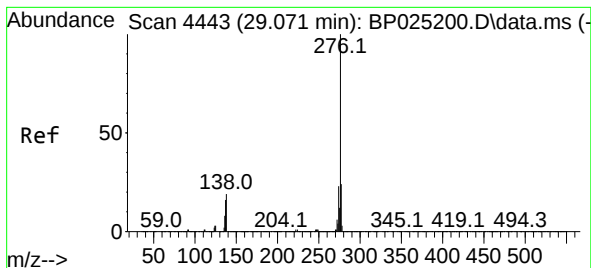
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#90
Benzo(a)pyrene
Concen: 6.447 ng
RT: 24.330 min Scan# 3637
Delta R.T. 0.018 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

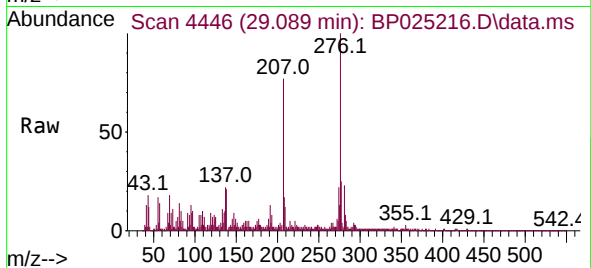
Tgt Ion:252 Resp: 2132127
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.0 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 4.310 ng
RT: 29.089 min Scan# 44
Delta R.T. 0.018 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

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



Tgt Ion: 276 Resp: 1495248
Ion Ratio Lower Upper
276 100
277 25.2 19.2 28.8
138 21.2 15.4 23.2

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Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

