

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
 Data File : BP025209.D
 Acq On : 22 Jul 2025 11:10
 Operator : CG/JU
 Sample : Q2639-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-39-071725

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 11:32:06 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	920177	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	3525504	20.000	ng	0.00
39) Acenaphthene-d10	14.066	164	2109533	20.000	ng	-0.01
64) Phenanthrene-d10	16.889	188	3961378	20.000	ng	0.00
76) Chrysene-d12	21.318	240	3833110	20.000	ng	0.00
86) Perylene-d12	24.442	264	4465382	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	3598852	66.083	ng	0.00
7) Phenol-d6	6.637	99	4452832	66.016	ng	0.00
23) Nitrobenzene-d5	8.560	82	2759468	43.498	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	2035909	65.465	ng	0.00
45) 2-Fluorobiphenyl	12.666	172	6720014	44.910	ng	-0.02
79) Terphenyl-d14	19.654	244	8591140	44.244	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.784	152	454992	2.356	ng	99
75) Fluoranthene	19.030	202	1399615	5.566	ng	99
78) Pyrene	19.413	202	1713944	7.252	ng	99
81) Benzo(a)anthracene	21.301	228	1253857m	5.180	ng	
83) Chrysene	21.360	228	1387605	6.141	ng	97
87) Indeno(1,2,3-cd)pyrene	27.948	276	1085417	3.326	ng	# 94
88) Benzo(b)fluoranthene	23.471	252	1730476	6.770	ng	# 96
89) Benzo(k)fluoranthene	23.530	252	542706	2.151	ng	# 95
90) Benzo(a)pyrene	24.295	252	1497330	6.004	ng	96
92) Benzo(g,h,i)perylene	29.024	276	1094765	4.184	ng	97

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

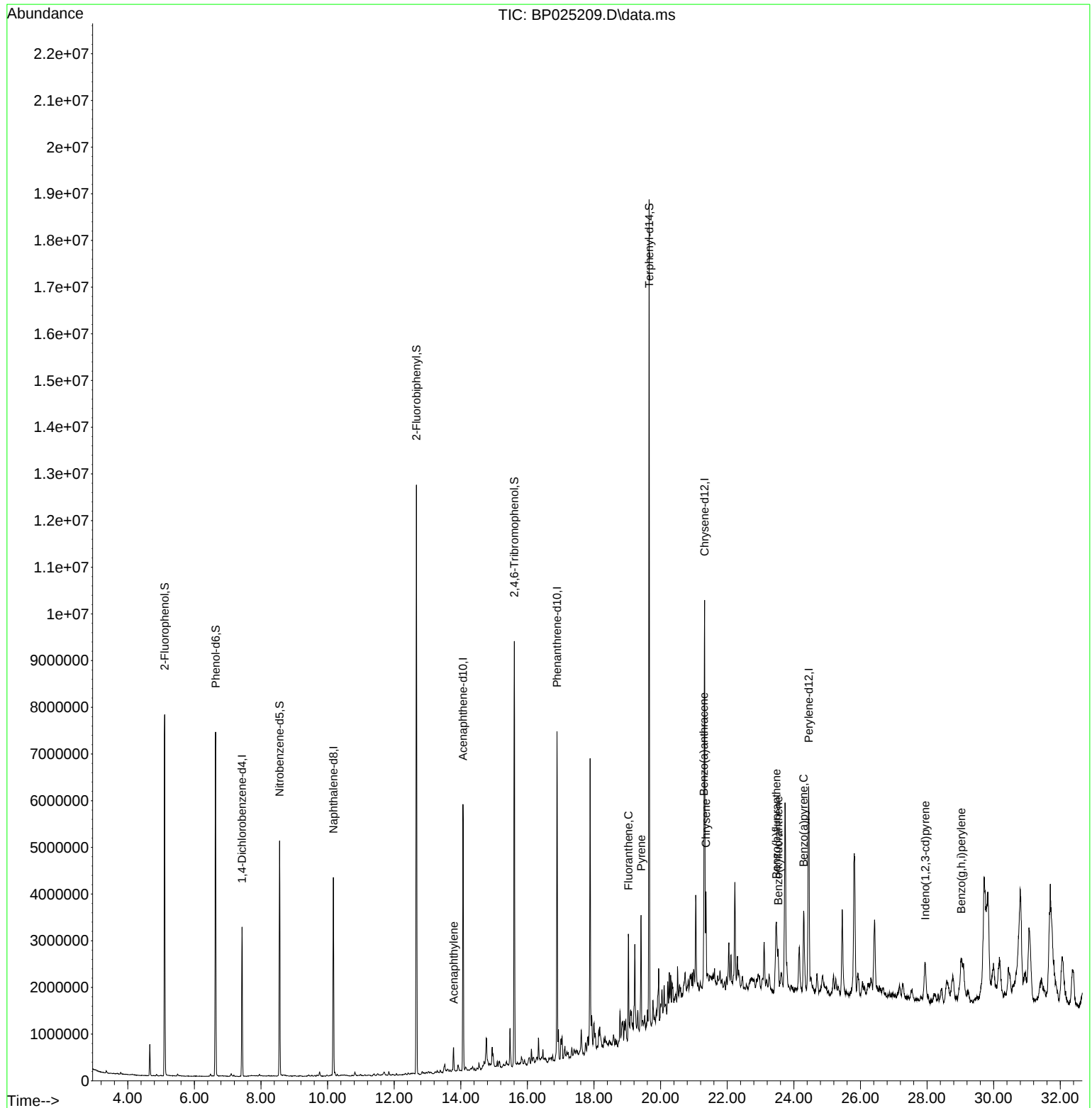
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
Data File : BP025209.D
Acq On : 22 Jul 2025 11:10
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

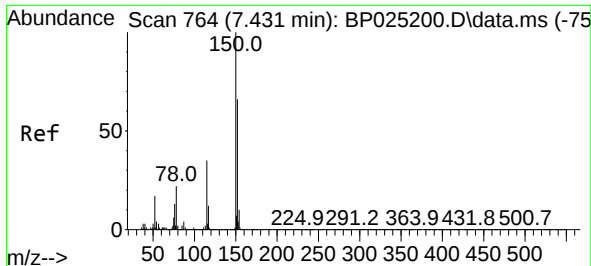
Instrument :
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ClientSampleId :
OU4-TS-39-071725

Quant Time: Jul 22 11:32:06 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
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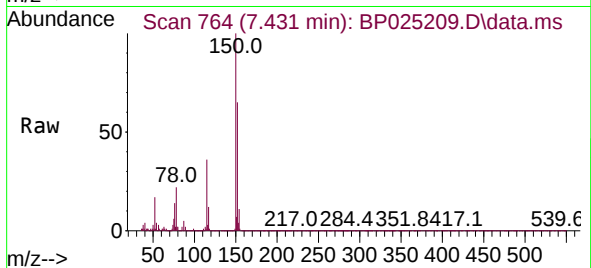
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.431 min Scan# 764
Delta R.T. -0.000 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

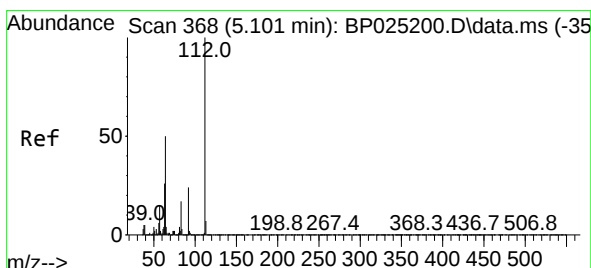
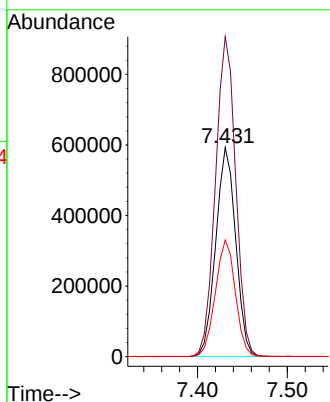
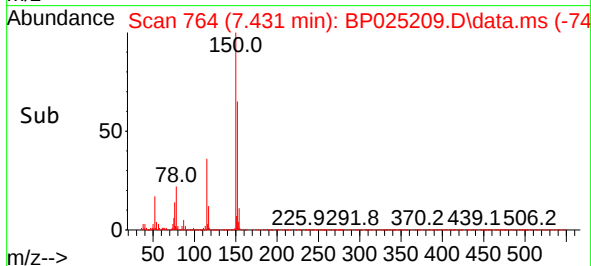
Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725



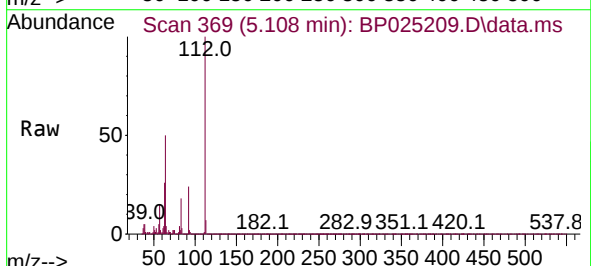
Tgt Ion:152 Resp: 920172
Ion Ratio Lower Upper
152 100
150 153.1 121.9 182.9
115 55.7 43.0 64.6

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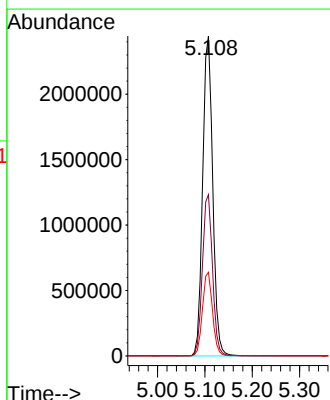
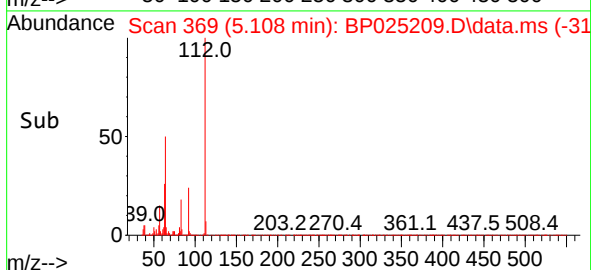
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

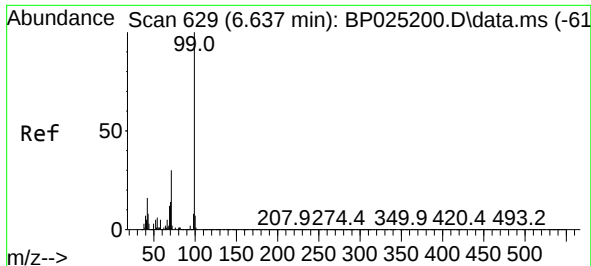


#5
2-Fluorophenol
Concen: 66.083 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10



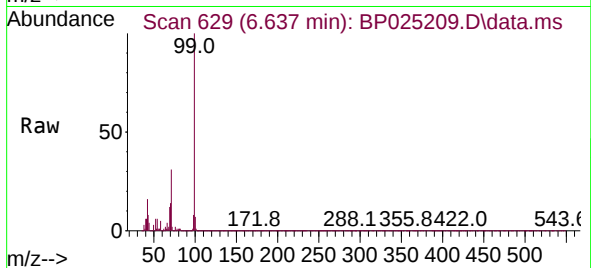
Tgt Ion:112 Resp: 3598852
Ion Ratio Lower Upper
112 100
64 50.4 39.8 59.6
63 26.1 20.5 30.7





#7
Phenol-d6
Concen: 66.016 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

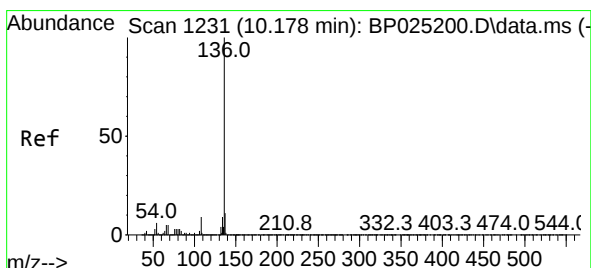
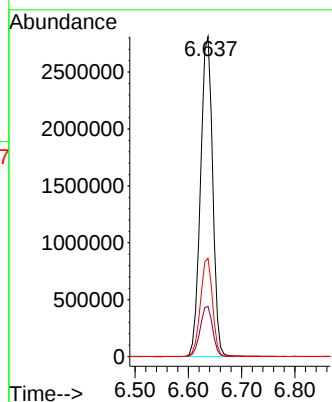
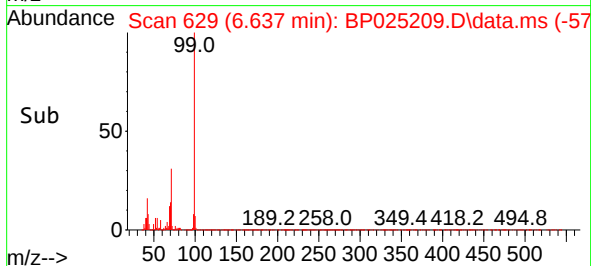
Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725



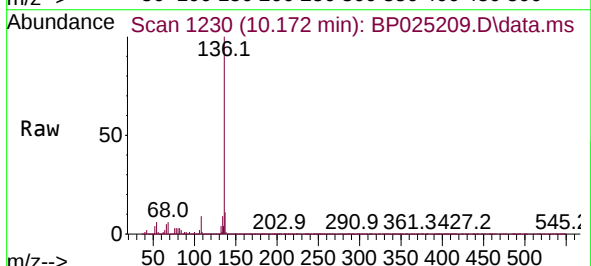
Tgt Ion: 99 Resp: 4452832
Ion Ratio Lower Upper
99 100
42 15.6 12.5 18.7
71 30.8 24.2 36.2

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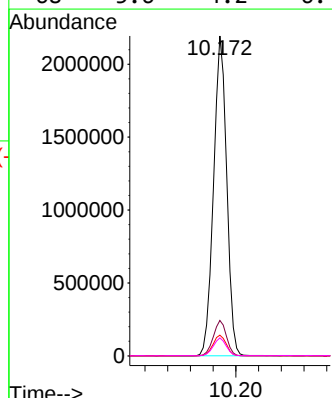
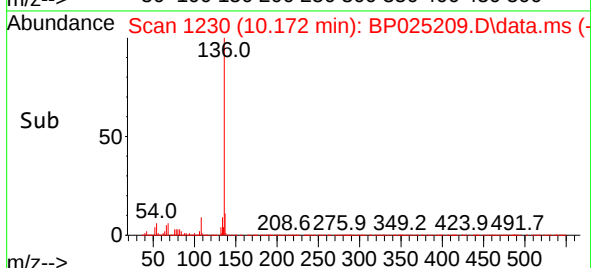
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

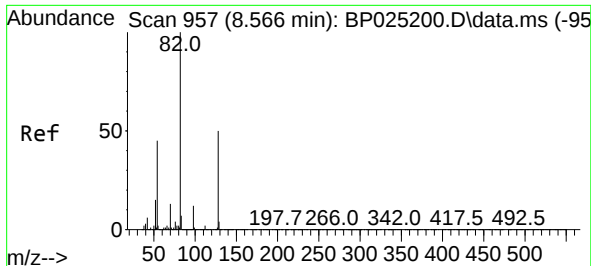


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10



Tgt Ion:136 Resp: 3525504
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





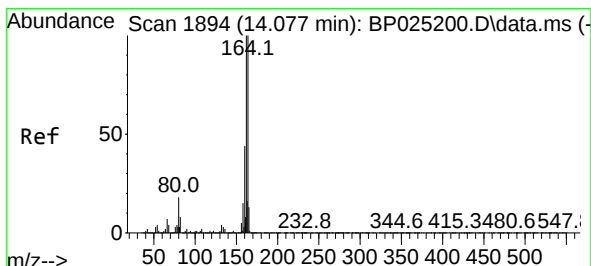
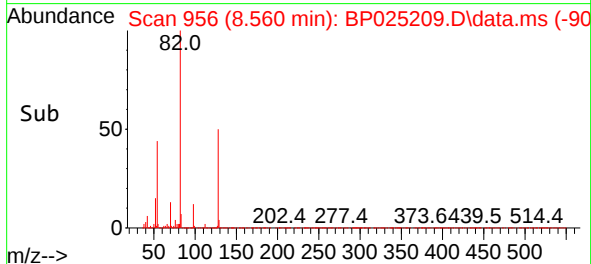
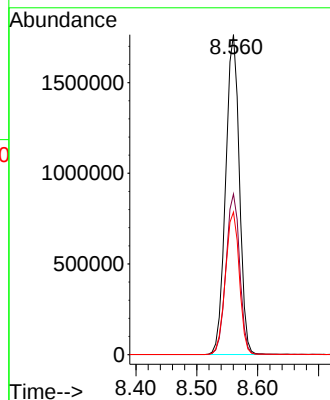
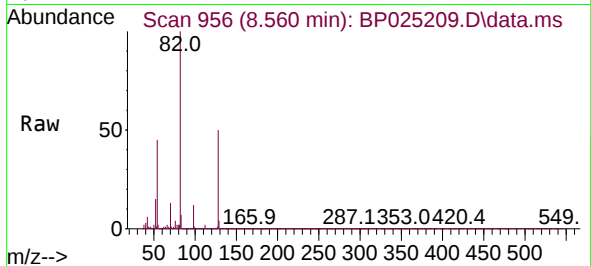
#23
Nitrobenzene-d5
Concen: 43.498 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725

Tgt Ion: 82 Resp: 2759468
Ion Ratio Lower Upper
82 100
128 50.2 40.2 60.4
54 44.5 36.3 54.5

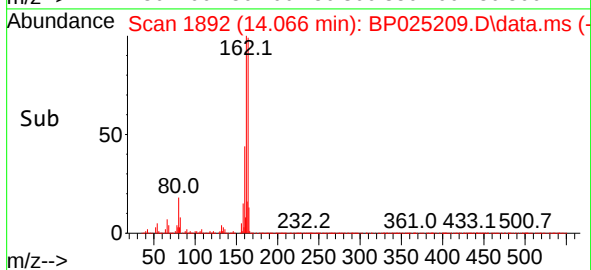
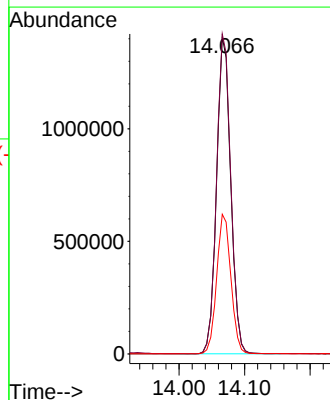
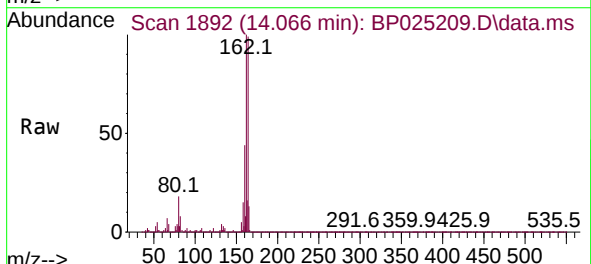
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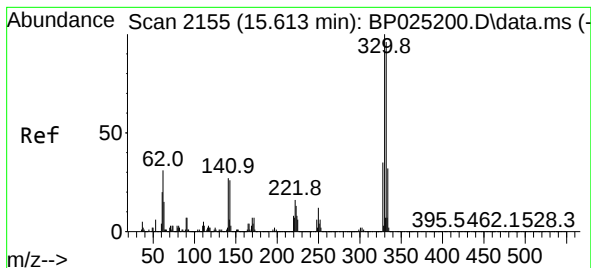
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.066 min Scan# 1892
Delta R.T. -0.012 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

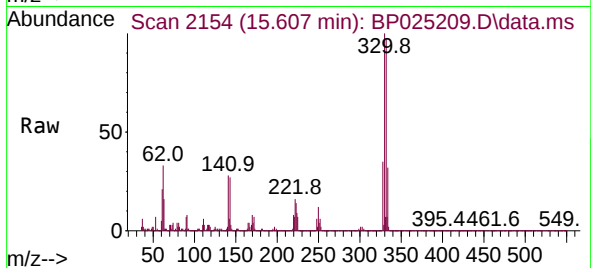
Tgt Ion:164 Resp: 2109533
Ion Ratio Lower Upper
164 100
162 100.9 80.3 120.5
160 44.0 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 65.465 ng
RT: 15.607 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

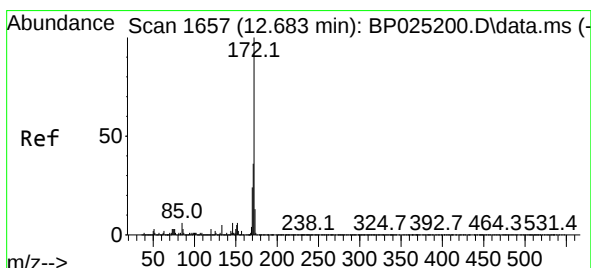
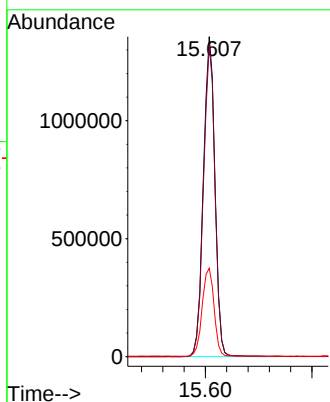
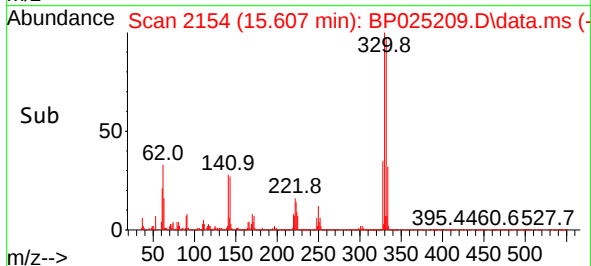
Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725



Tgt Ion: 330 Resp: 2035909
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 28.2 22.4 33.6

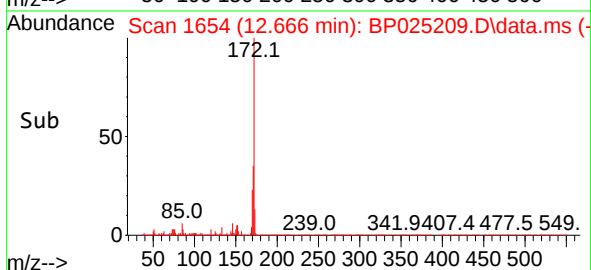
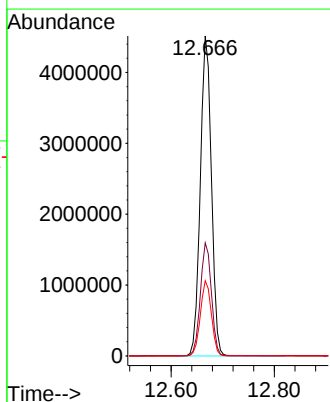
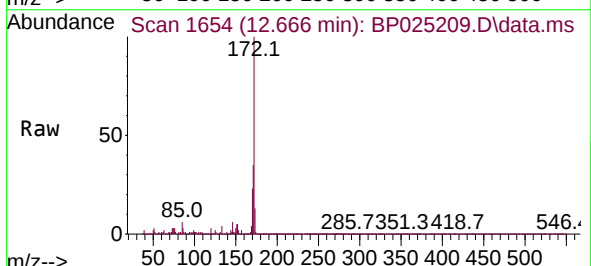
Manual Integrations
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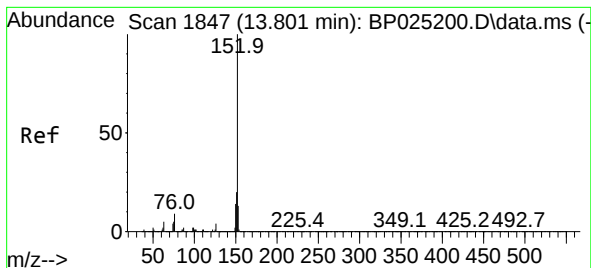
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#45
2-Fluorobiphenyl
Concen: 44.910 ng
RT: 12.666 min Scan# 1654
Delta R.T. -0.017 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

Tgt Ion: 172 Resp: 6720014
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 19.2 28.8





#49

Acenaphthylene

Concen: 2.356 ng

RT: 13.784 min Scan# 1844

Delta R.T. -0.017 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

Instrument :

BNA_P

ClientSampleId :

OU4-TS-39-071725

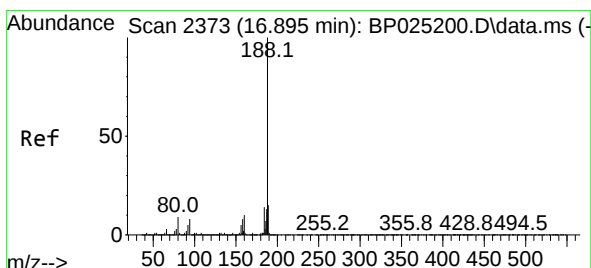
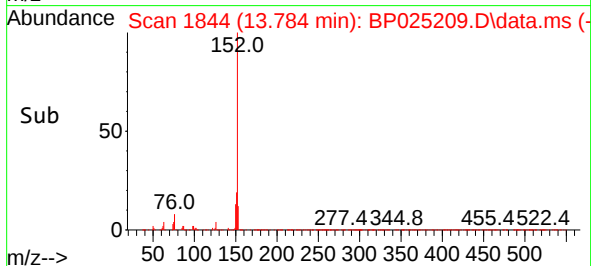
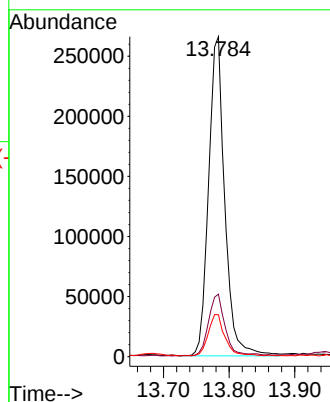
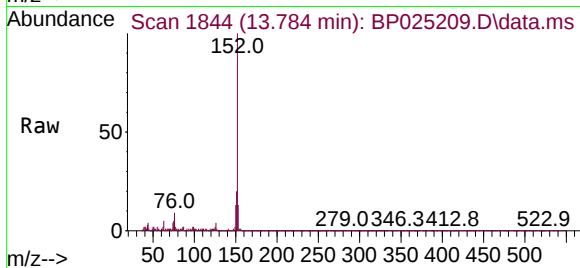
Tgt Ion:152 Resp: 454992
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.2 24.2
 153 13.1 10.6 15.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/23/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

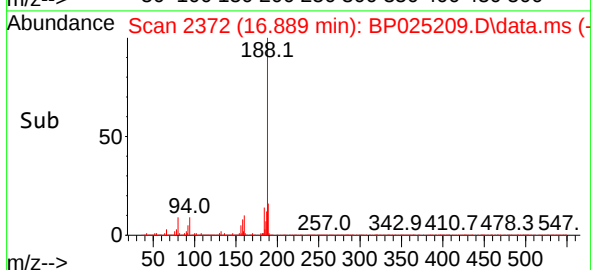
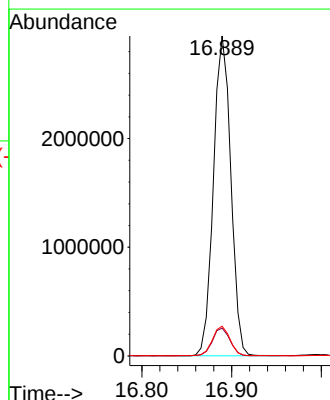
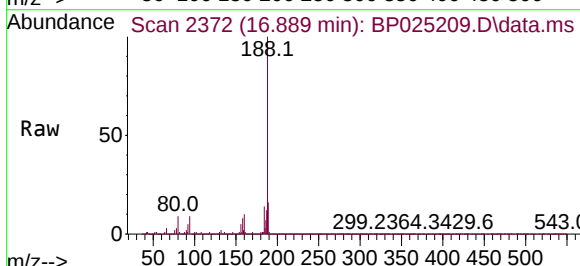
RT: 16.889 min Scan# 2372

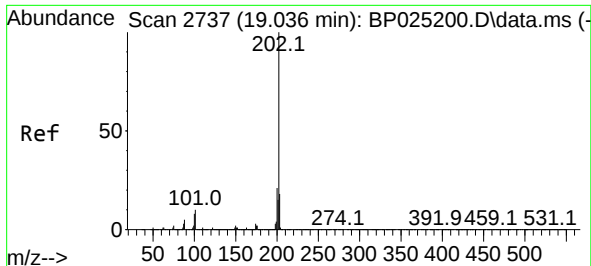
Delta R.T. -0.006 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

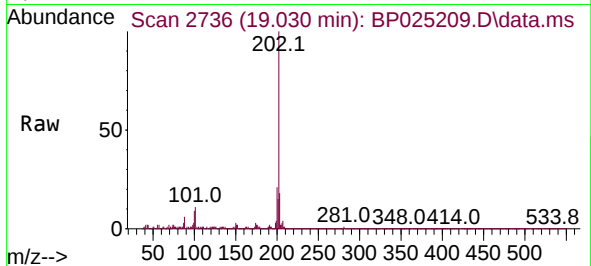
Tgt Ion:188 Resp: 3961378
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.8 10.2
 80 9.3 7.3 10.9





#75
Fluoranthene
Concen: 5.566 ng
RT: 19.030 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

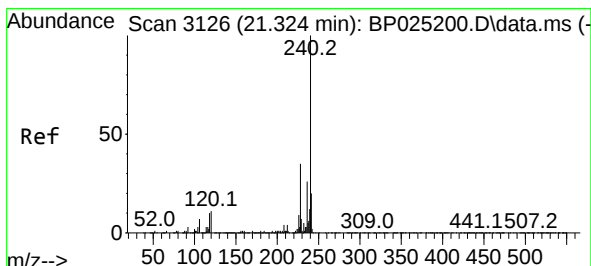
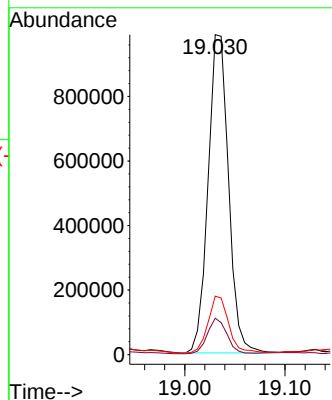
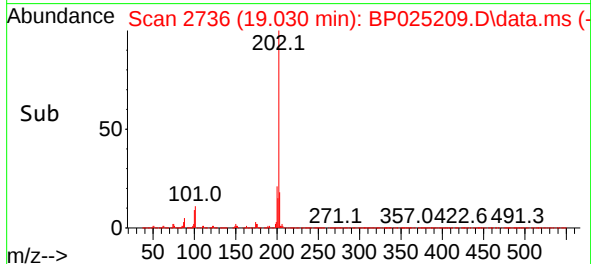
Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725



Tgt Ion:202 Resp: 1399615
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.3
203 18.3 0.0 38.0

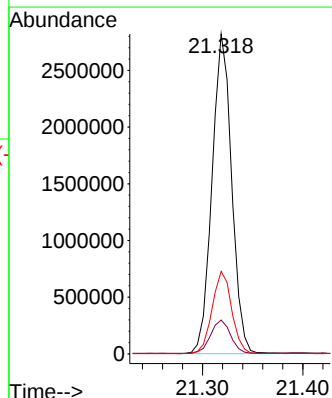
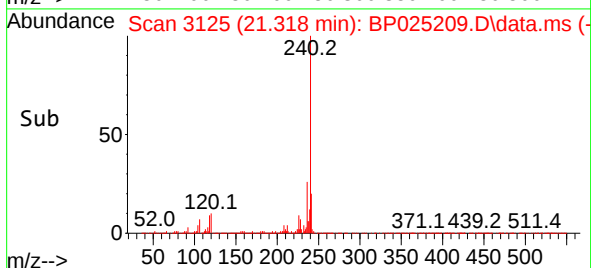
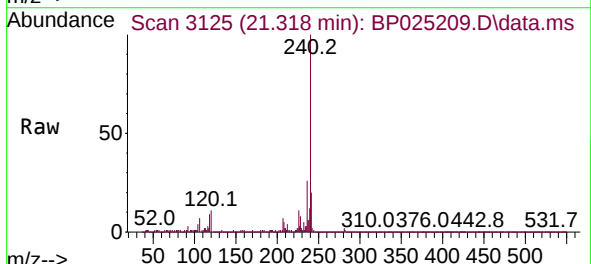
Manual Integrations
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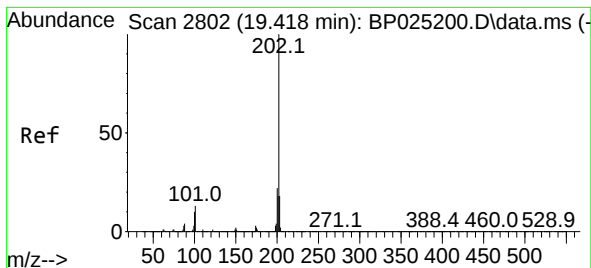
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.318 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

Tgt Ion:240 Resp: 3833110
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 7.252 ng

RT: 19.413 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

Instrument :

BNA_P

ClientSampleId :

OU4-TS-39-071725

Tgt Ion:202 Resp: 171394

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

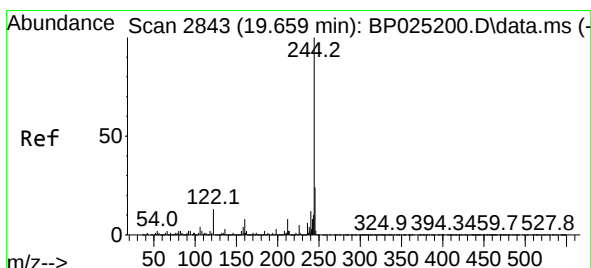
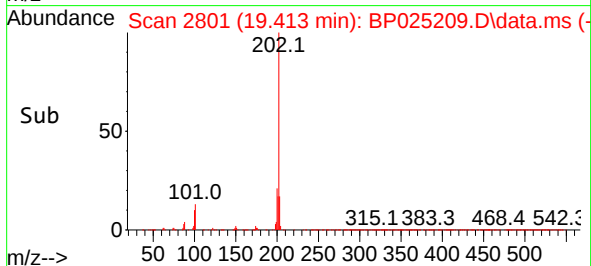
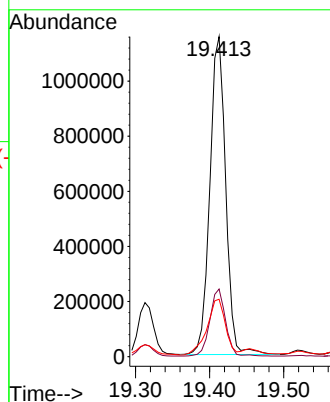
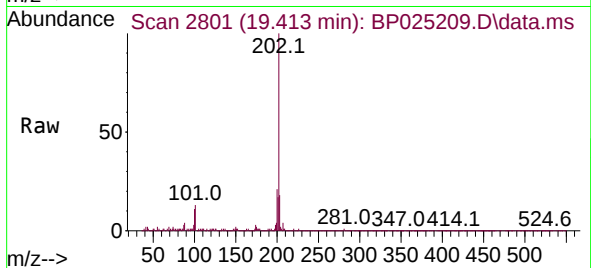
203 17.9 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#79

Terphenyl-d14

Concen: 44.244 ng

RT: 19.654 min Scan# 2842

Delta R.T. -0.005 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

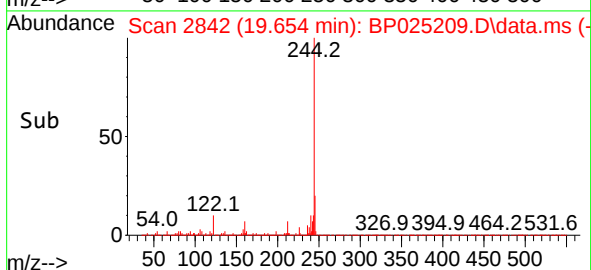
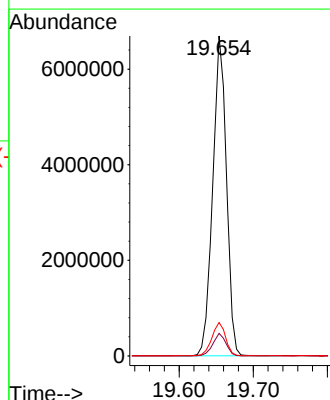
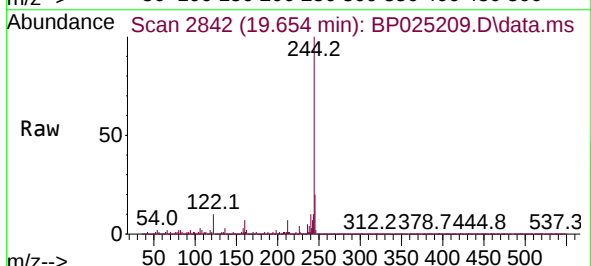
Tgt Ion:244 Resp: 8591140

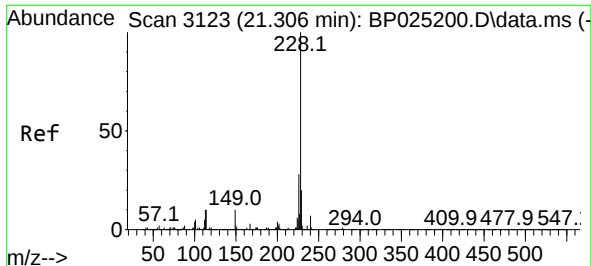
Ion Ratio Lower Upper

244 100

212 7.0 6.6 9.8

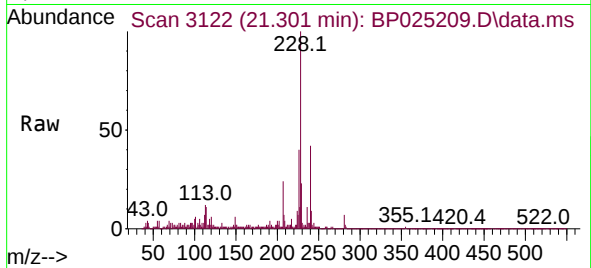
122 10.4 10.3 15.5





#81
Benzo(a)anthracene
Concen: 5.180 ng m
RT: 21.301 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

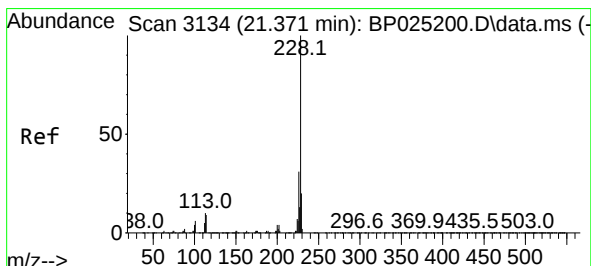
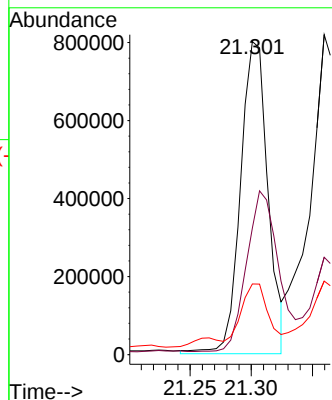
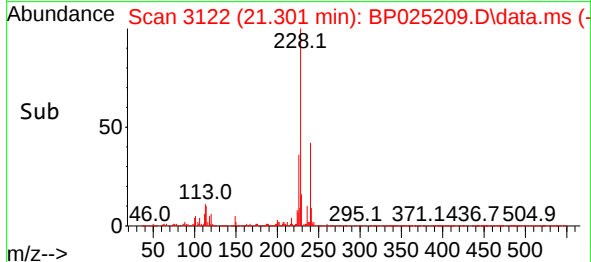
Instrument :
BNA_P
ClientSampleId :
OU4-TS-39-071725



Tgt Ion:228 Resp: 125385
Ion Ratio Lower Upper
228 100
226 40.4 22.3 33.5
229 22.6 16.2 24.2

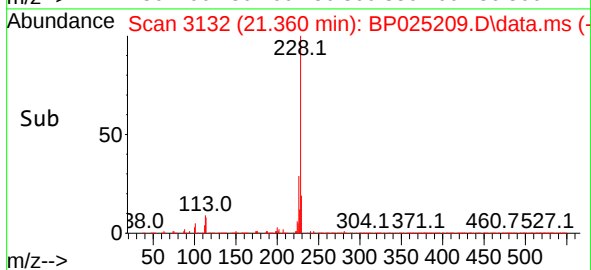
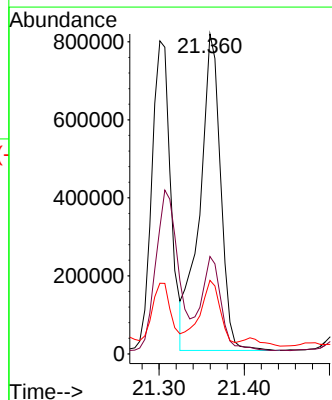
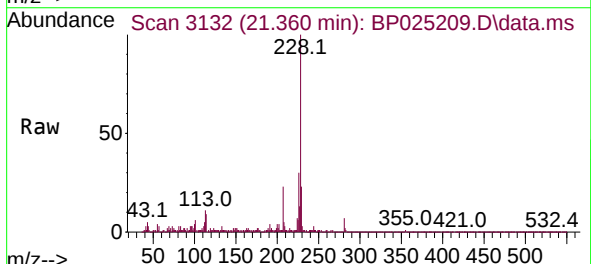
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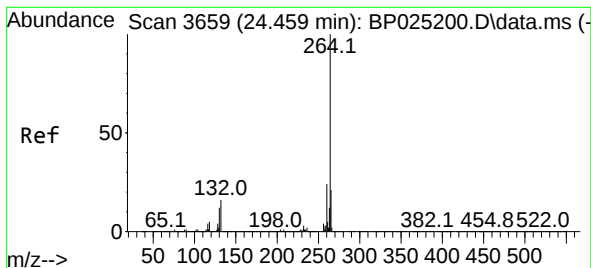
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#83
Chrysene
Concen: 6.141 ng
RT: 21.360 min Scan# 3132
Delta R.T. -0.011 min
Lab File: BP025209.D
Acq: 22 Jul 2025 11:10

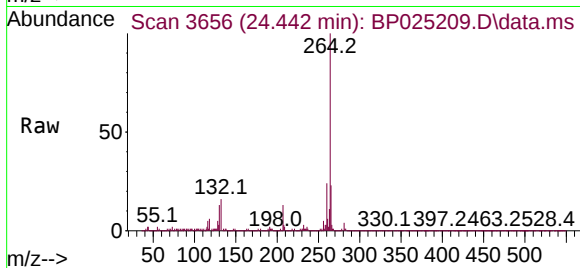
Tgt Ion:228 Resp: 1387605
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 23.0 16.0 24.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.442 min Scan# 30
 Delta R.T. -0.017 min
 Lab File: BP025209.D
 Acq: 22 Jul 2025 11:10

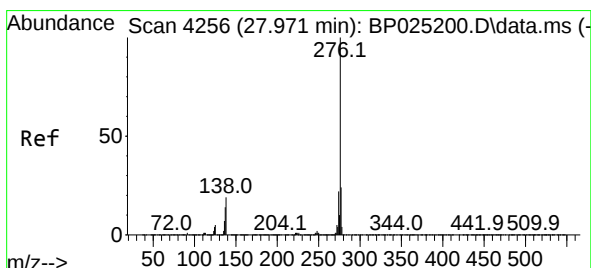
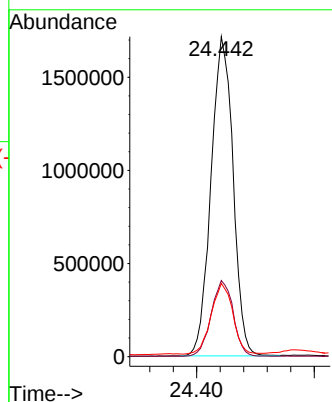
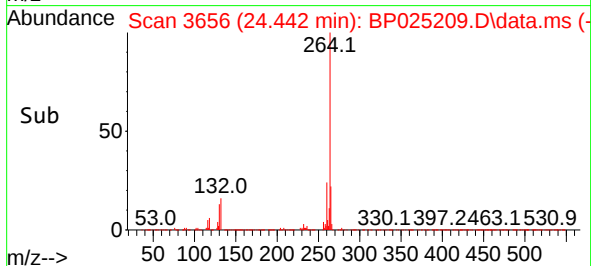
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-39-071725



Tgt Ion: 264 Resp: 4465382
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 22.9 17.5 26.3

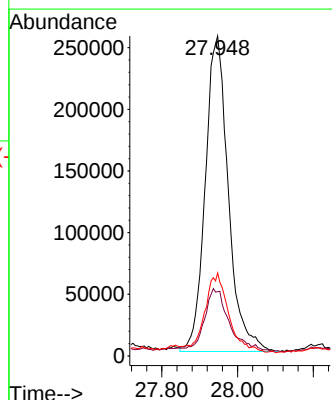
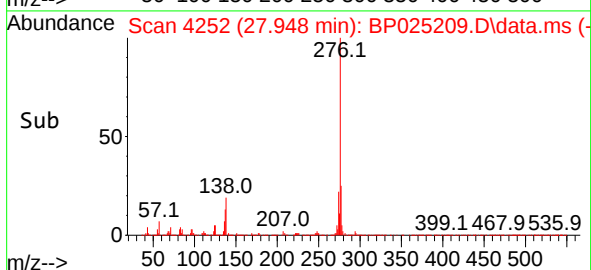
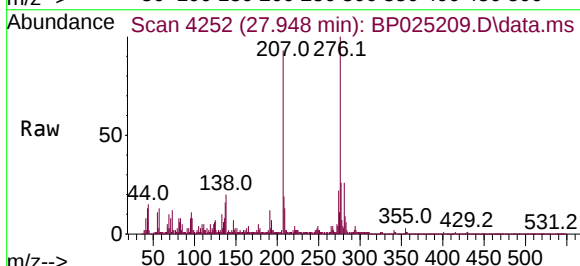
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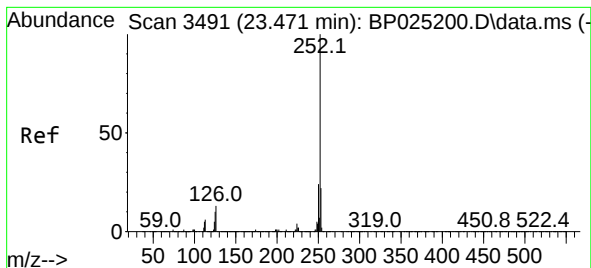
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.326 ng
 RT: 27.948 min Scan# 4252
 Delta R.T. -0.023 min
 Lab File: BP025209.D
 Acq: 22 Jul 2025 11:10

Tgt Ion: 276 Resp: 1085417
 Ion Ratio Lower Upper
 276 100
 138 21.9 12.8 19.2#
 277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.770 ng

RT: 23.471 min Scan# 3491

Delta R.T. 0.000 min

Lab File: BP025209.D

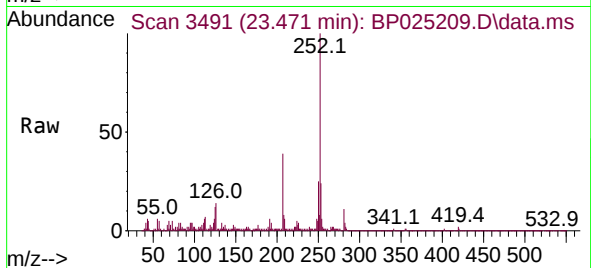
Acq: 22 Jul 2025 11:10

Instrument :

BNA_P

ClientSampleId :

OU4-TS-39-071725



Tgt Ion:252 Resp: 1730476

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

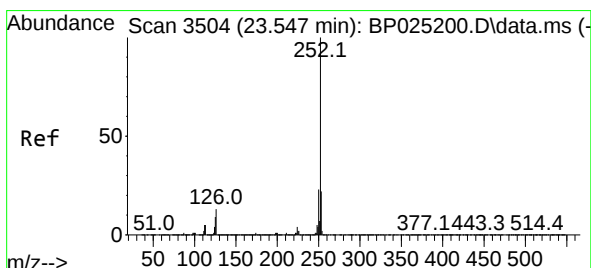
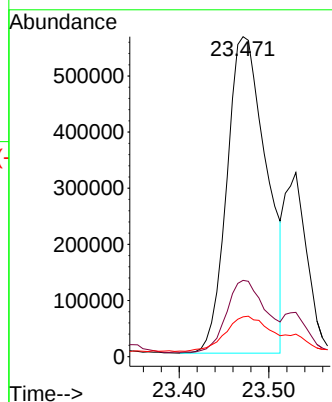
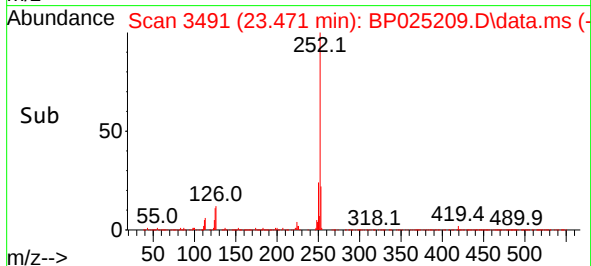
125 12.4 7.8 11.8

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#89

Benzo(k)fluoranthene

Concen: 2.151 ng

RT: 23.530 min Scan# 3501

Delta R.T. -0.017 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

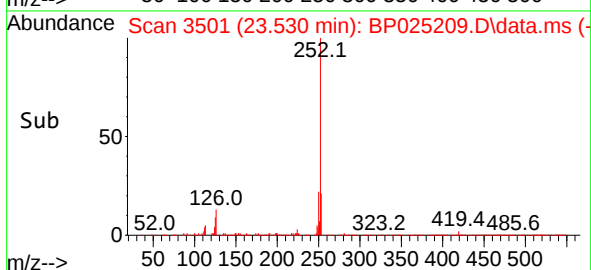
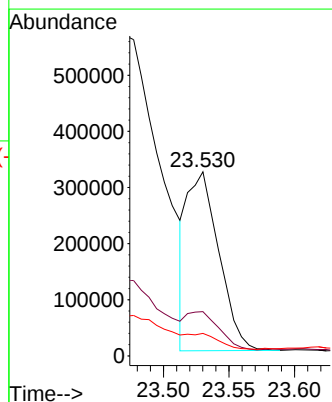
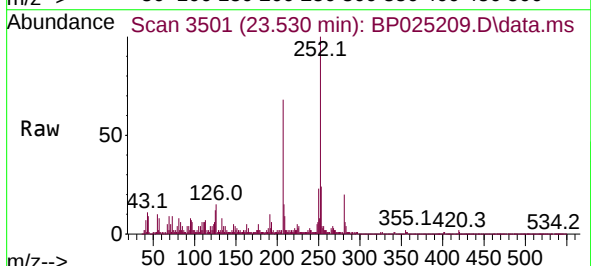
Tgt Ion:252 Resp: 542706

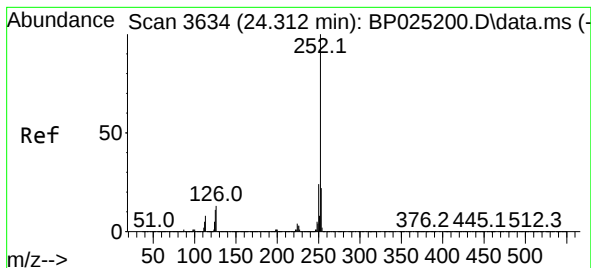
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 12.2 7.5 11.3





#90

Benzo(a)pyrene

Concen: 6.004 ng

RT: 24.295 min Scan# 3634

Delta R.T. -0.017 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

Instrument :

BNA_P

ClientSampleId :

OU4-TS-39-071725

Tgt Ion:252 Resp: 1497336

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

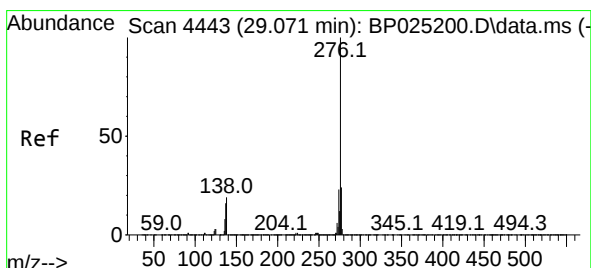
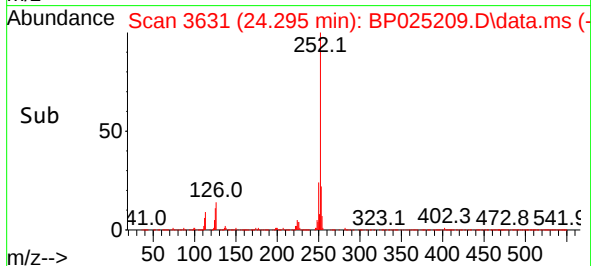
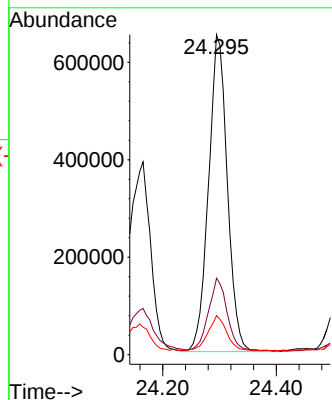
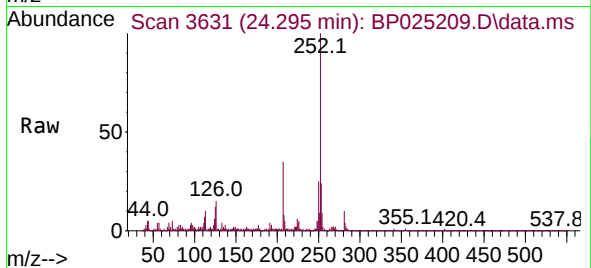
125 12.2 8.6 12.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#92

Benzo(g,h,i)perylene

Concen: 4.184 ng

RT: 29.024 min Scan# 4435

Delta R.T. -0.047 min

Lab File: BP025209.D

Acq: 22 Jul 2025 11:10

Tgt Ion:276 Resp: 1094765

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 22.2 15.4 23.2

