

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025334.D
 Acq On : 08 Aug 2025 15:53
 Operator : CG/JU
 Sample : Q2779-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/11/2025
 Supervised By :Jagrut Upadhyay 08/11/2025

Quant Time: Aug 08 16:35:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	344962	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1456467	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	907872	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1741117	20.000	ng	0.00
76) Chrysene-d12	21.683	240	1219729	20.000	ng	0.02
86) Perylene-d12	25.071	264	1274951	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	346080	16.136	ng	0.00
7) Phenol-d6	6.960	99	452107	16.017	ng	0.00
23) Nitrobenzene-d5	8.931	82	283656	10.790	ng	-0.01
42) 2,4,6-Tribromophenol	15.931	330	173520	19.159	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	676769	10.296	ng	0.00
79) Terphenyl-d14	19.948	244	920530	14.255	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.489	154	128254	2.470	ng	100
58) Fluorene	15.489	166	220044	3.610	ng	100
60) Diethylphthalate	15.254	149	250805	3.759	ng	99
71) Phenanthrene	17.266	178	2082942	21.842	ng	100
72) Anthracene	17.360	178	522799	5.437	ng	100
75) Fluoranthene	19.348	202	2519117	22.819	ng	99
78) Pyrene	19.724	202	2329088	28.715	ng	100
81) Benzo(a)anthracene	21.666	228	970662	11.975	ng	99
83) Chrysene	21.724	228	878048	11.680	ng	98
84) Bis(2-ethylhexyl)phtha...	21.618	149	185359	3.529	ng	99
87) Indeno(1,2,3-cd)pyrene	28.918	276	485489	5.313	ng	# 90
88) Benzo(b)fluoranthene	24.007	252	967827	12.681	ng	97
89) Benzo(k)fluoranthene	24.071	252	336646m	4.450	ng	
90) Benzo(a)pyrene	24.918	252	750200	10.207	ng	97
92) Benzo(g,h,i)perylene	30.112	276	452855	6.165	ng	96

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

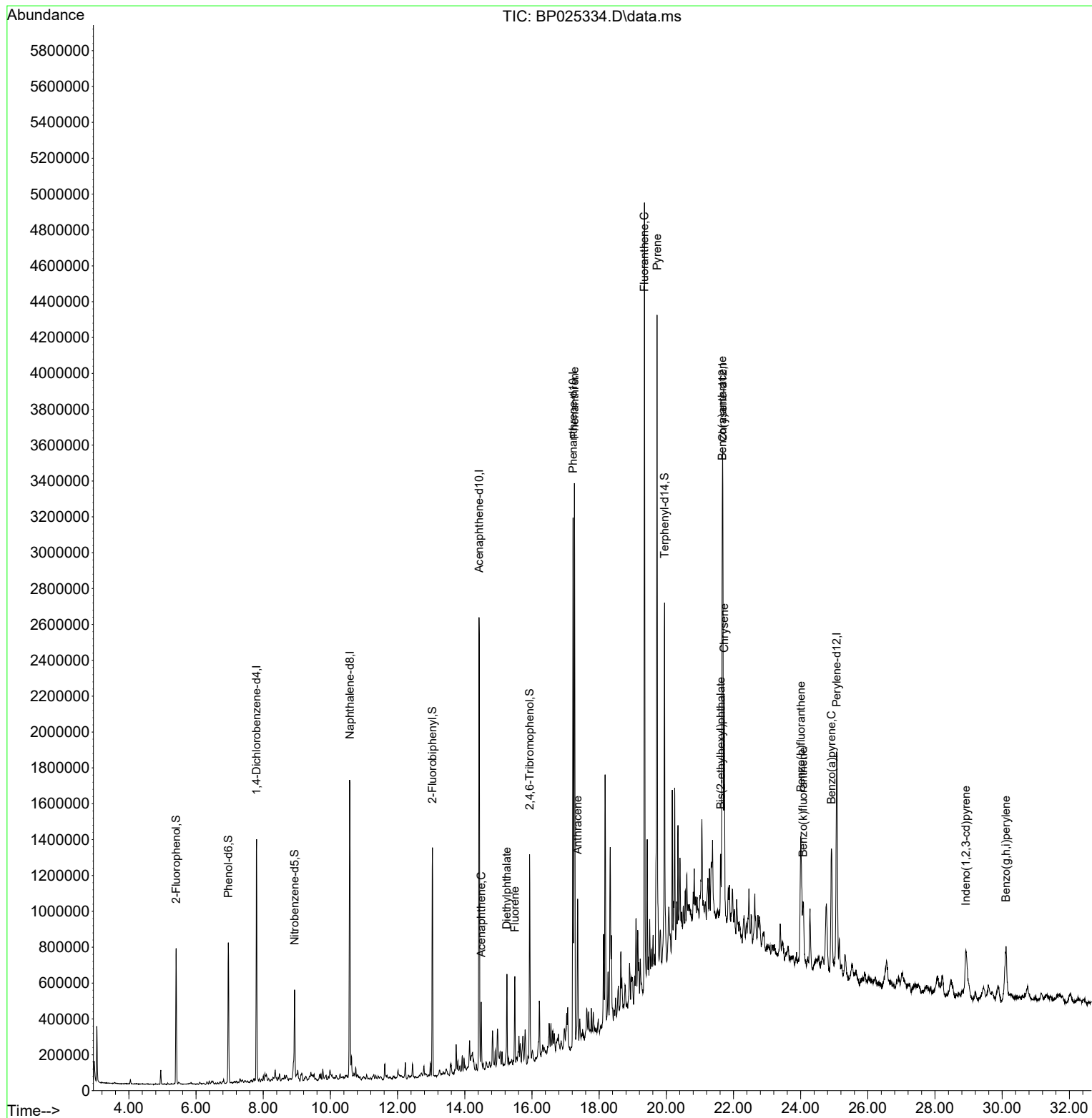
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
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ALS Vial : 10 Sample Multiplier: 1

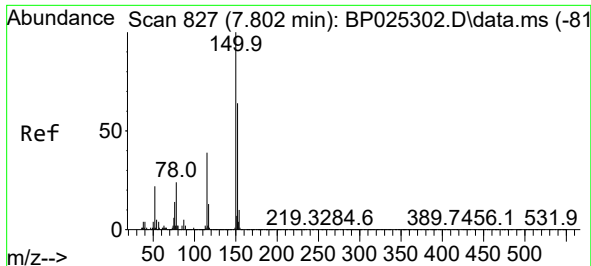
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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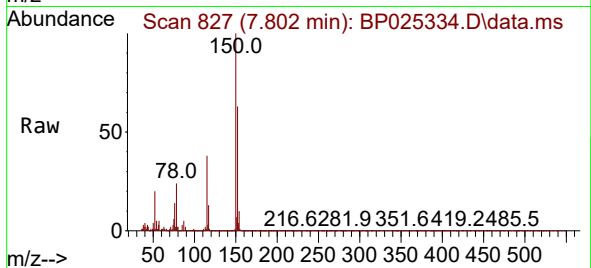
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

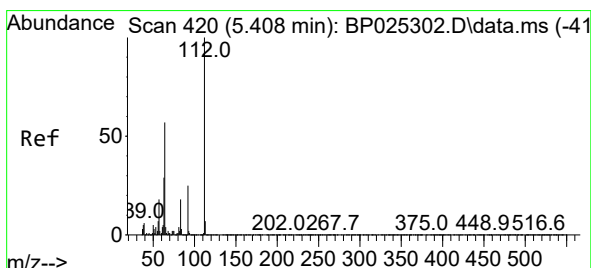
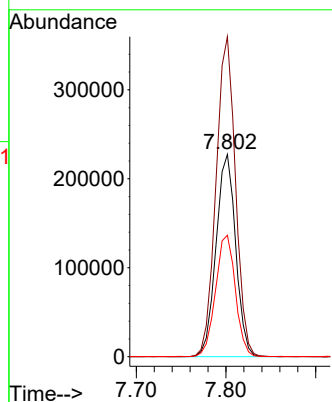
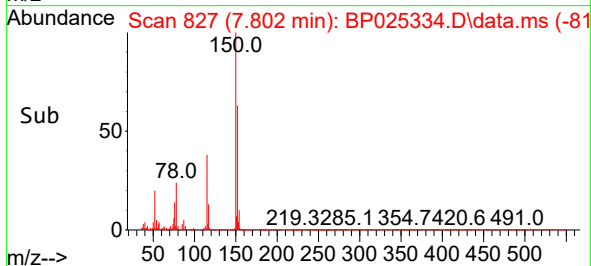
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:152 Resp: 344962
Ion Ratio Lower Upper
152 100
150 158.2 125.1 187.7
115 60.1 48.4 72.6

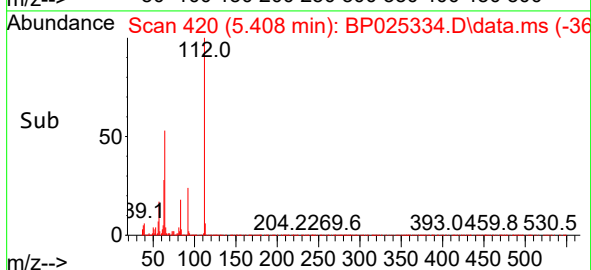
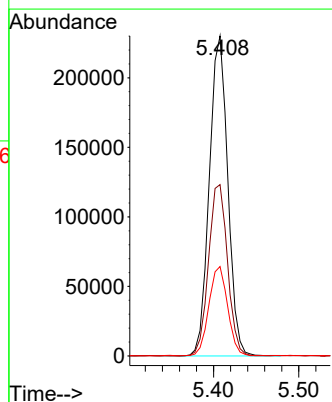
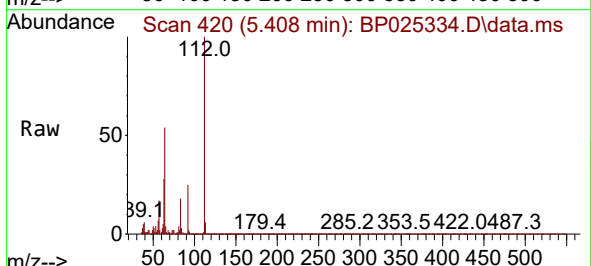
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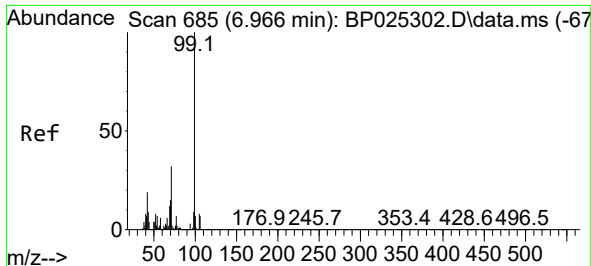
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#5
2-Fluorophenol
Concen: 16.136 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:112 Resp: 346080
Ion Ratio Lower Upper
112 100
64 53.5 45.3 67.9
63 28.0 23.0 34.6





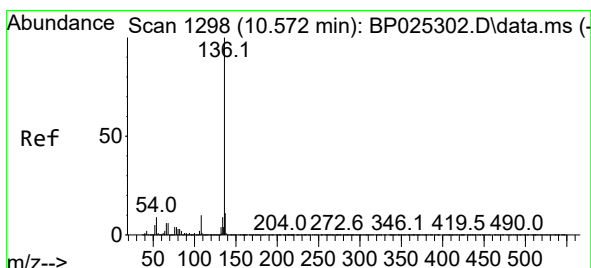
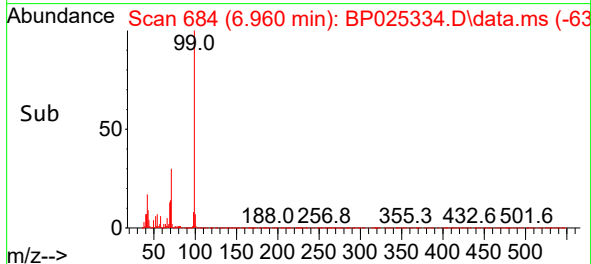
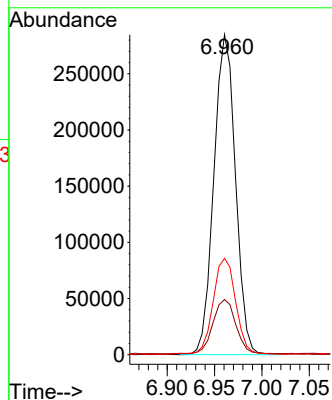
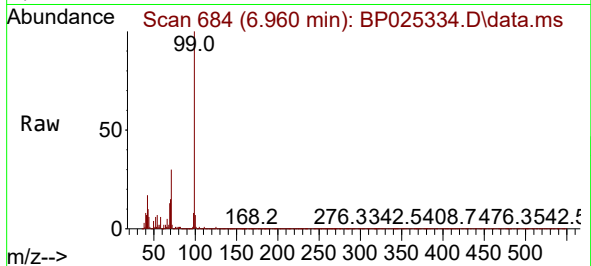
#7
Phenol-d6
Concen: 16.017 ng
RT: 6.960 min Scan# 685
Delta R.T. -0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 45210
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 30.1 25.5 38.3

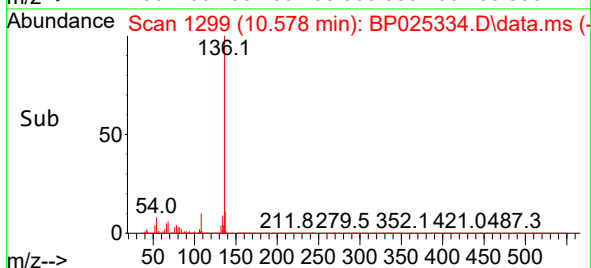
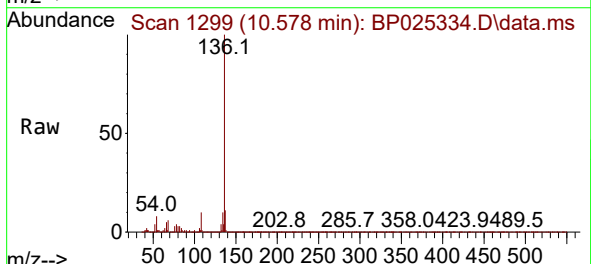
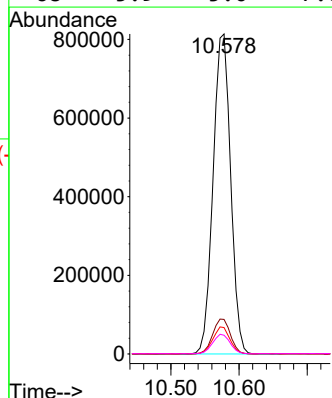
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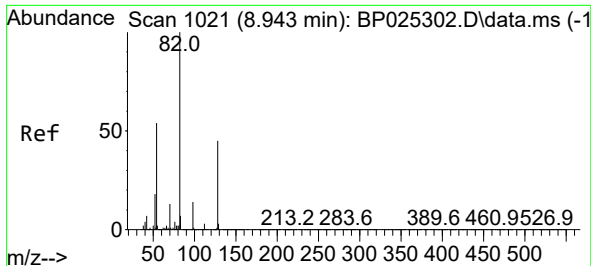
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

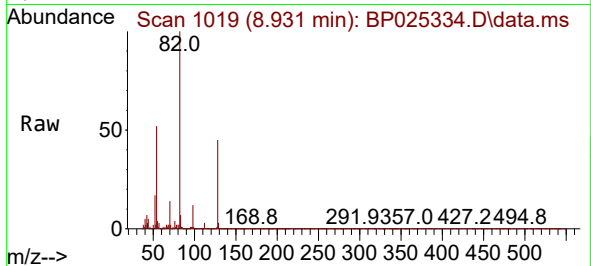
Tgt Ion:136 Resp: 1456467
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.3 7.0 10.6
68 5.9 5.0 7.6





#23
Nitrobenzene-d5
Concen: 10.790 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

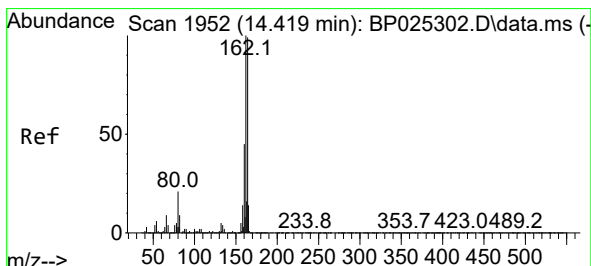
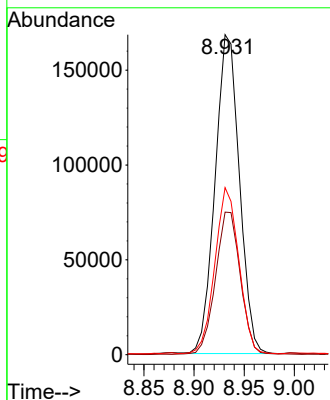
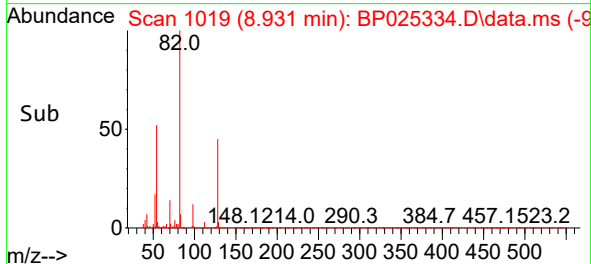
Instrument :
BNA_P
ClientSampleId :
TP-4



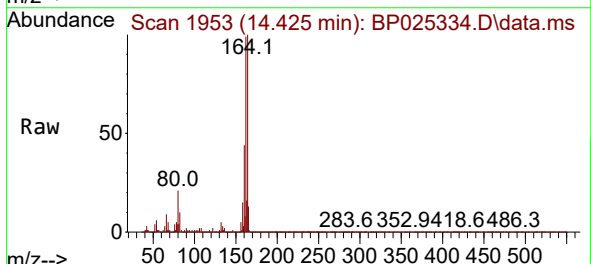
Tgt Ion: 82 Resp: 283650
Ion Ratio Lower Upper
82 100
128 44.5 35.4 53.2
54 52.2 42.9 64.3

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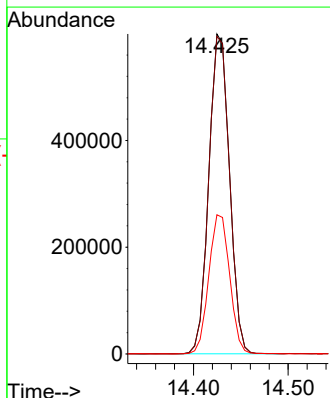
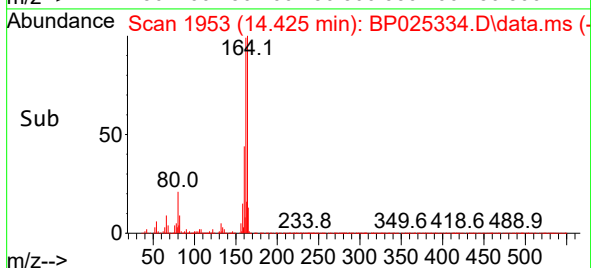
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025

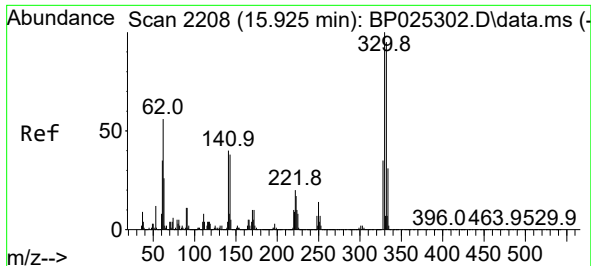


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53



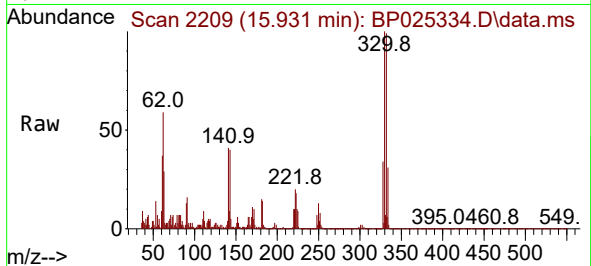
Tgt Ion:164 Resp: 907872
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 43.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 19.159 ng
RT: 15.931 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

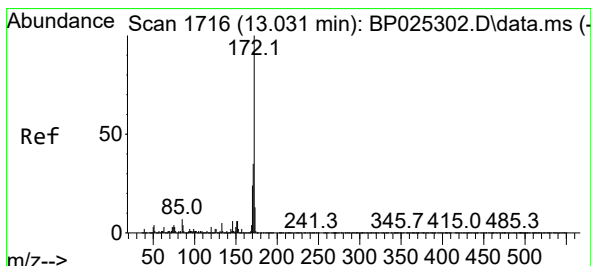
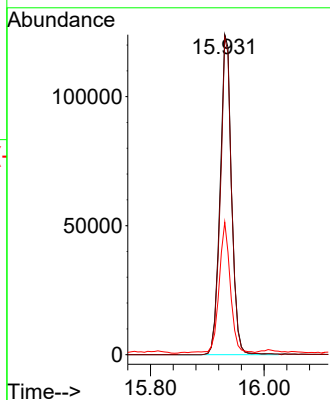
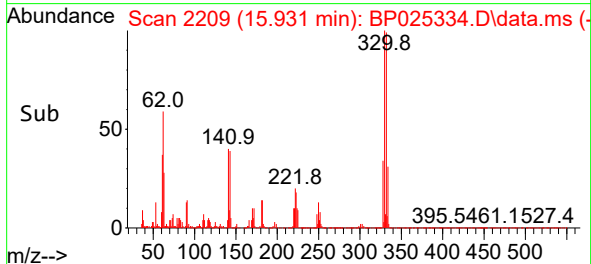
Instrument :
BNA_P
ClientSampleId :
TP-4



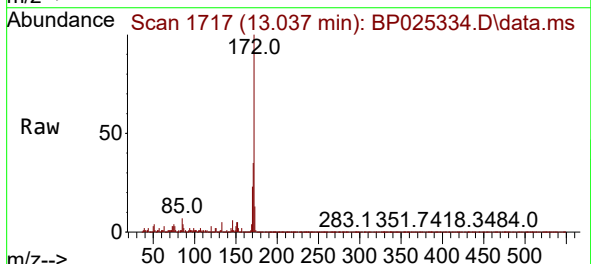
Tgt Ion:330 Resp: 173520
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 40.8 31.7 47.5

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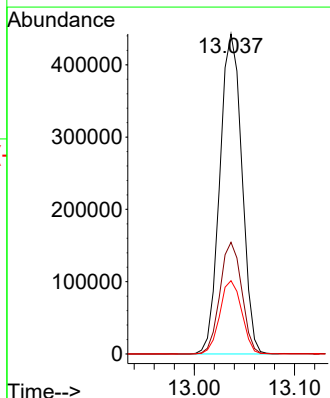
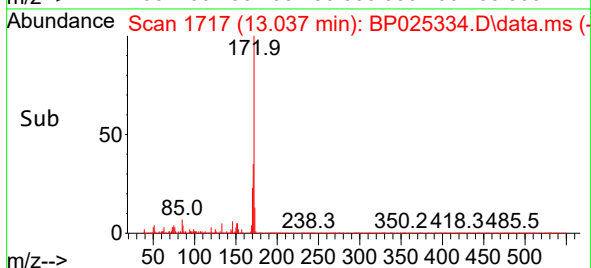
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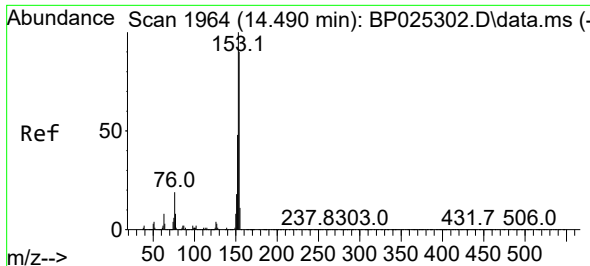


#45
2-Fluorobiphenyl
Concen: 10.296 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53



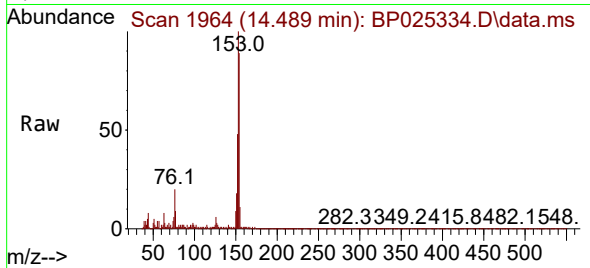
Tgt Ion:172 Resp: 676769
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 22.9 18.9 28.3





#52
Acenaphthene
Concen: 2.470 ng
RT: 14.489 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

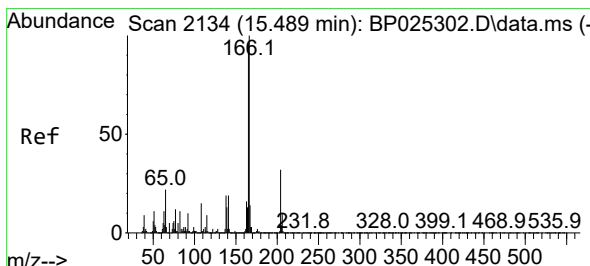
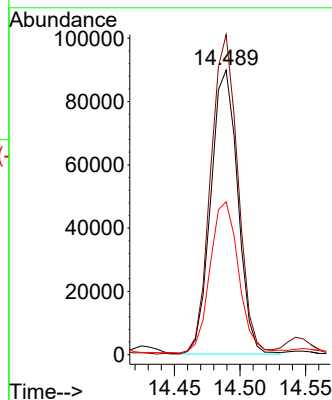
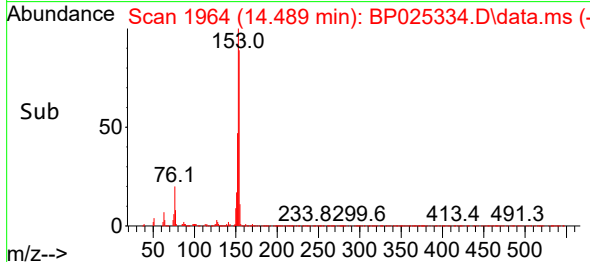
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ClientSampleId :
TP-4



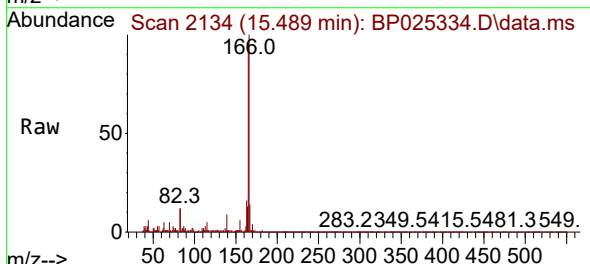
Tgt Ion:154 Resp: 128254
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.0
152 53.7 43.0 64.6

Manual Integrations
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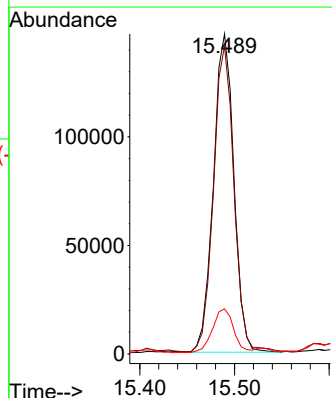
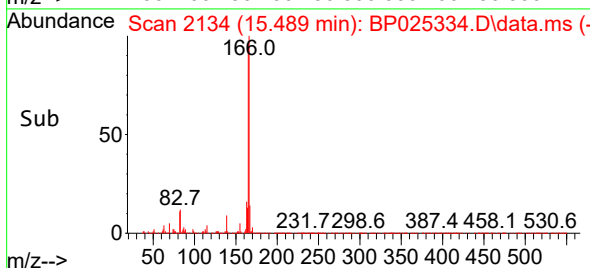
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025

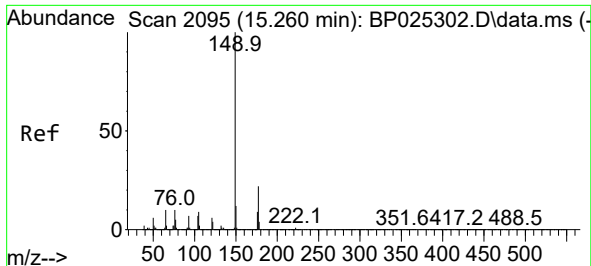


#58
Fluorene
Concen: 3.610 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53



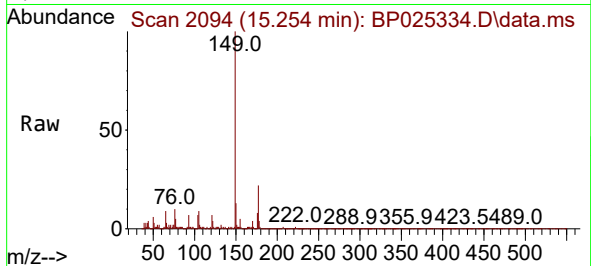
Tgt Ion:166 Resp: 220044
Ion Ratio Lower Upper
166 100
165 96.2 76.7 115.1
167 14.1 10.9 16.3





#60
Diethylphthalate
Concen: 3.759 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

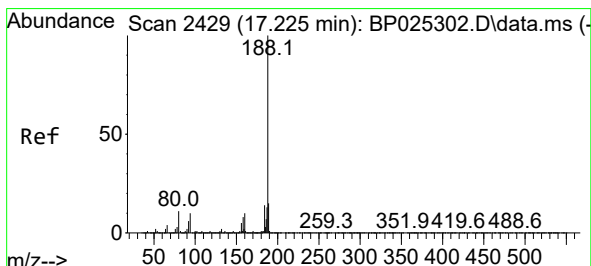
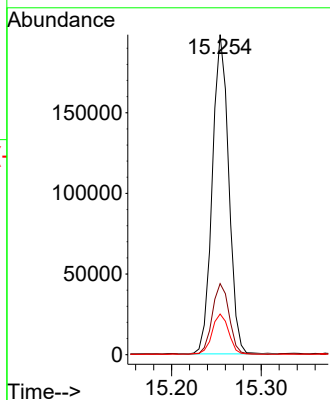
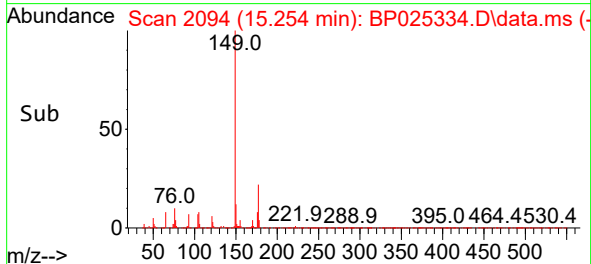
Instrument :
BNA_P
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TP-4



Tgt Ion:149 Resp: 25080
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.2
150 12.7 9.8 14.8

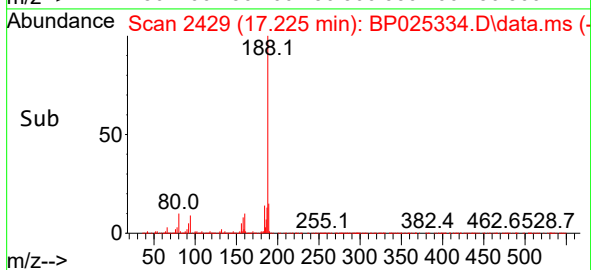
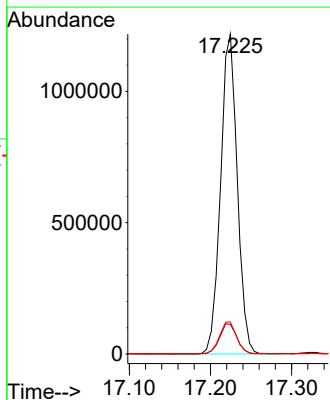
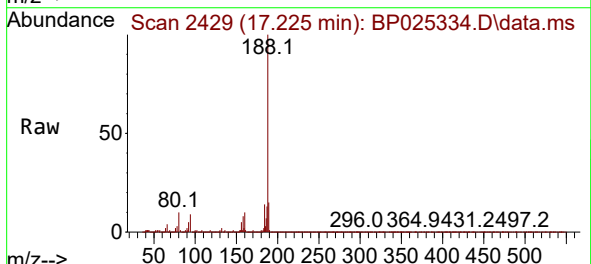
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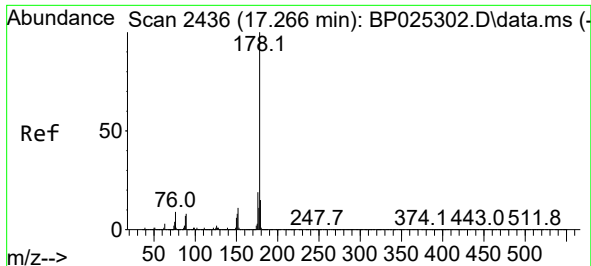
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

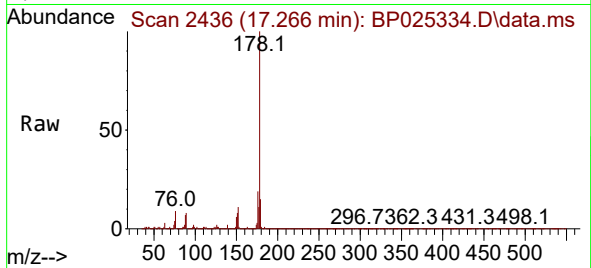
Tgt Ion:188 Resp: 1741117
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.0 8.5 12.7





#71
Phenanthrene
Concen: 21.842 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

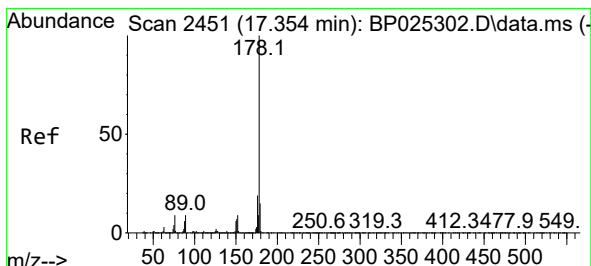
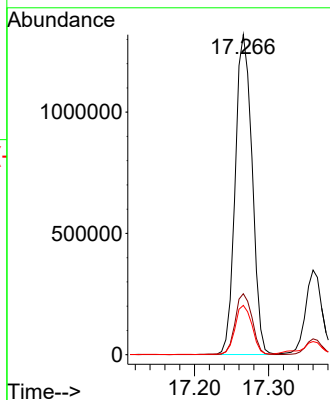
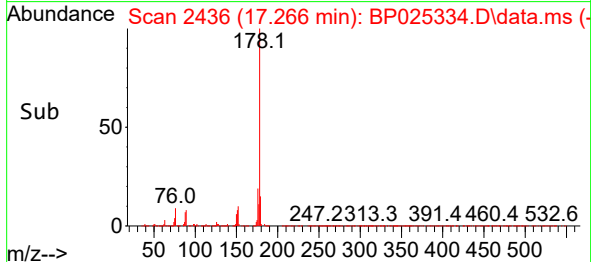
Instrument :
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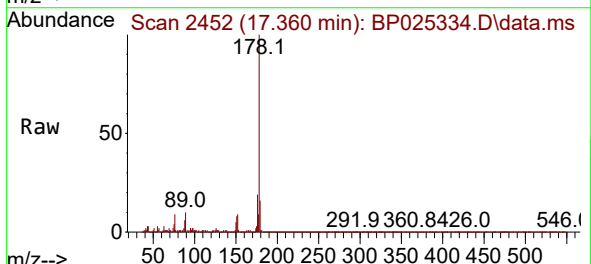
Tgt Ion:178 Resp: 208294
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.1 18.1

Manual Integrations
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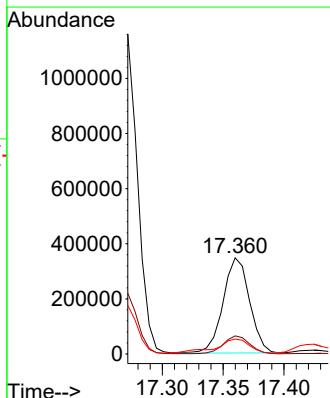
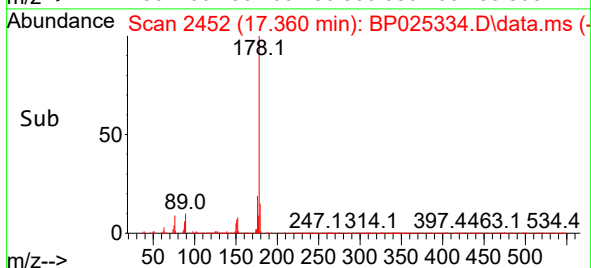
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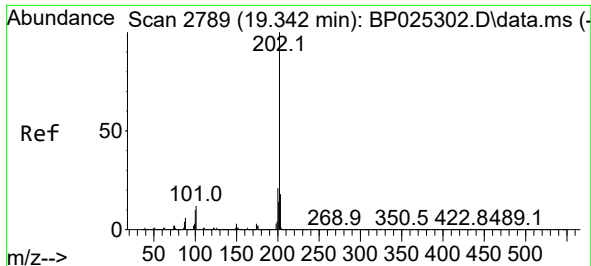


#72
Anthracene
Concen: 5.437 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53



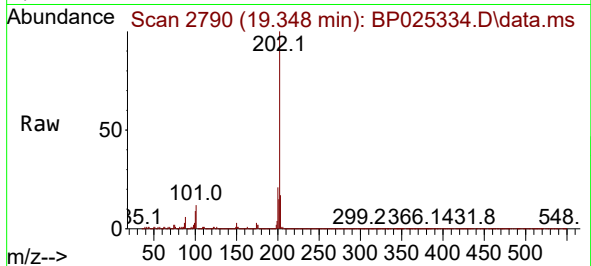
Tgt Ion:178 Resp: 522799
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 22.819 ng
RT: 19.348 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

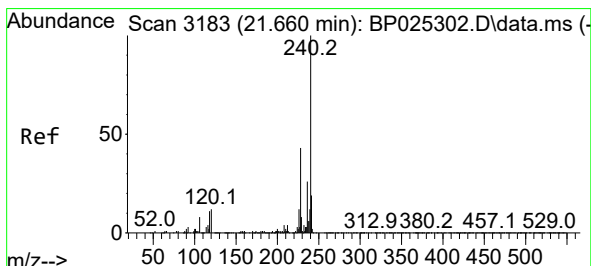
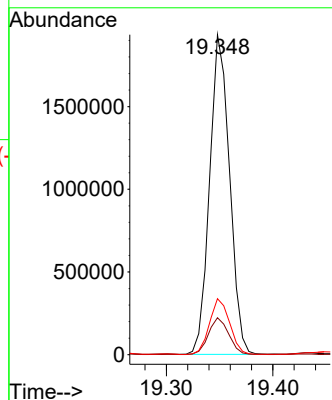
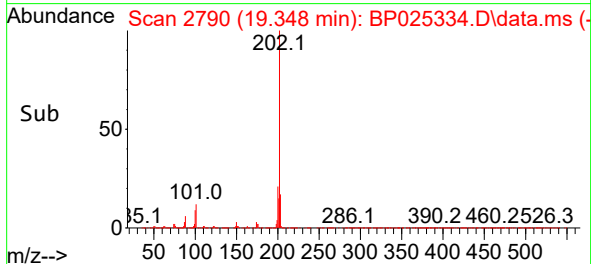
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:202 Resp: 251911
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.5
203 17.5 0.0 37.6

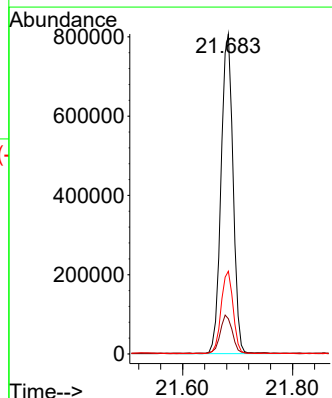
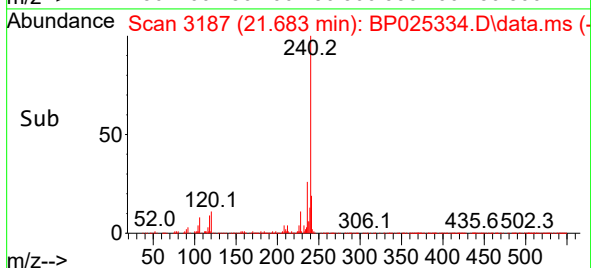
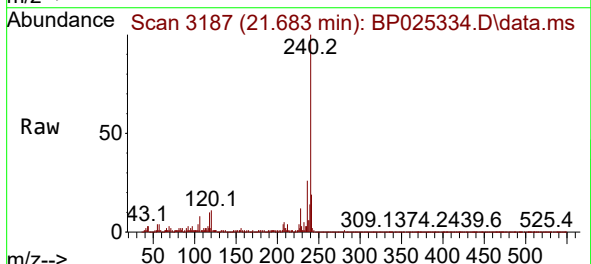
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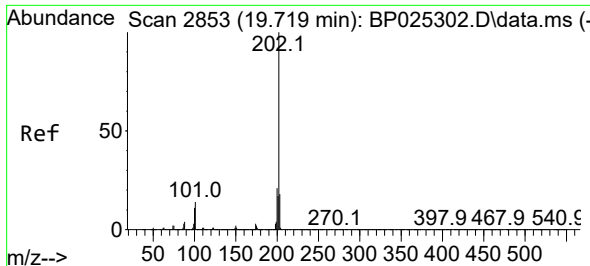
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.683 min Scan# 3187
Delta R.T. 0.023 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

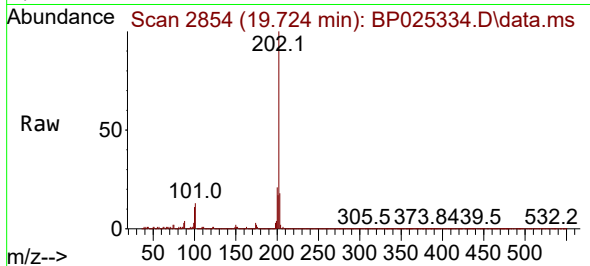
Tgt Ion:240 Resp: 1219729
Ion Ratio Lower Upper
240 100
120 11.0 9.6 14.4
236 25.9 20.4 30.6





#78
Pyrene
Concen: 28.715 ng
RT: 19.724 min Scan# 2854
Delta R.T. 0.005 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

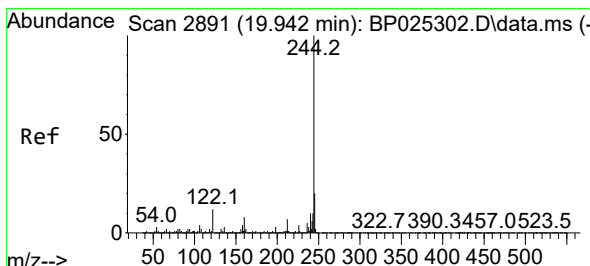
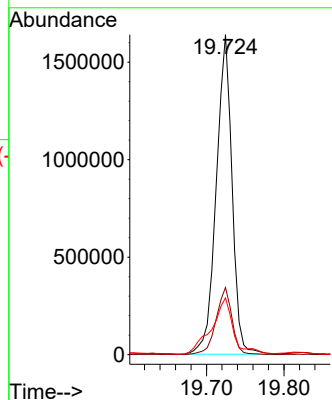
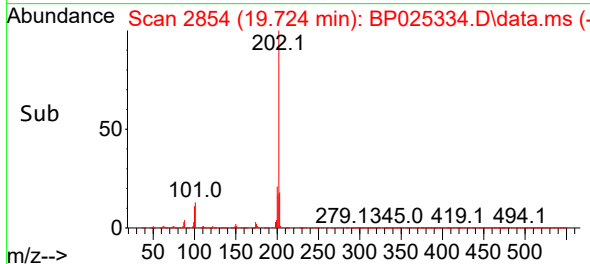
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:202 Resp: 2329088
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.1 21.1

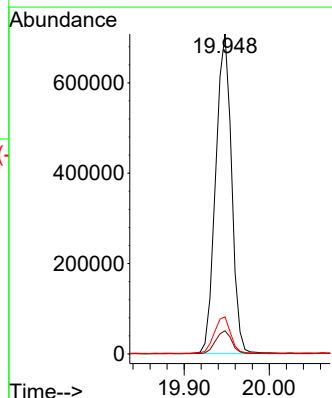
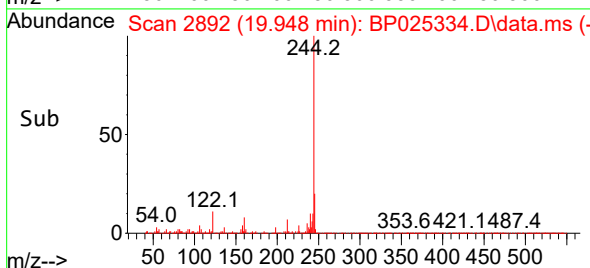
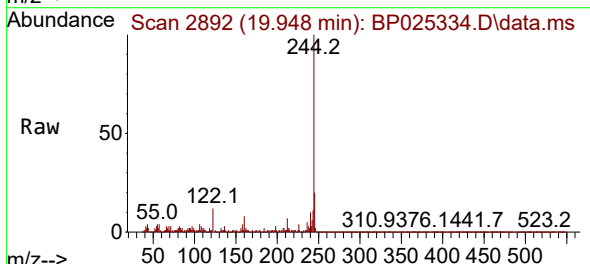
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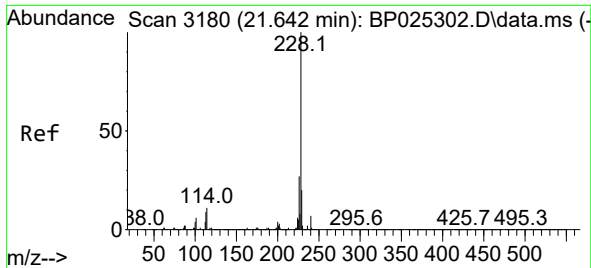
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#79
Terphenyl-d14
Concen: 14.255 ng
RT: 19.948 min Scan# 2892
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:244 Resp: 920530
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.6 9.5 14.3





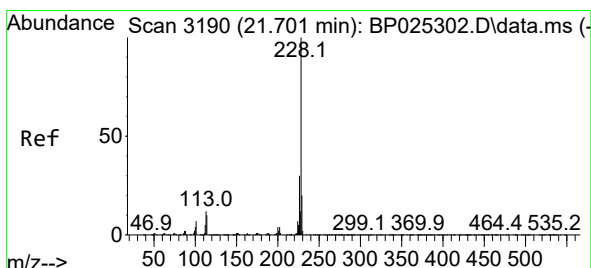
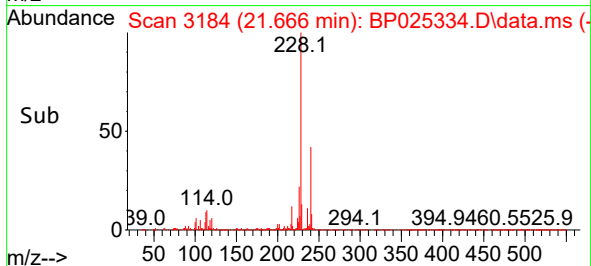
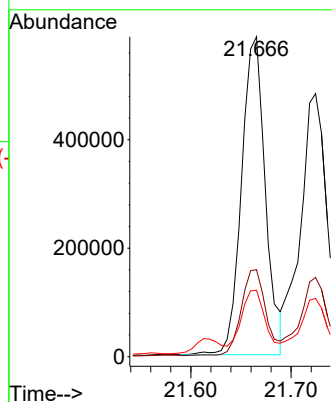
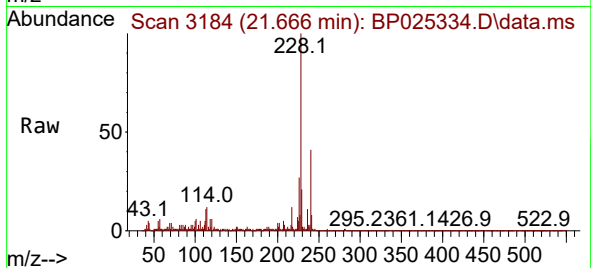
#81
Benzo(a)anthracene
Concen: 11.975 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.024 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:228 Resp: 970662
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 20.8 16.0 24.0

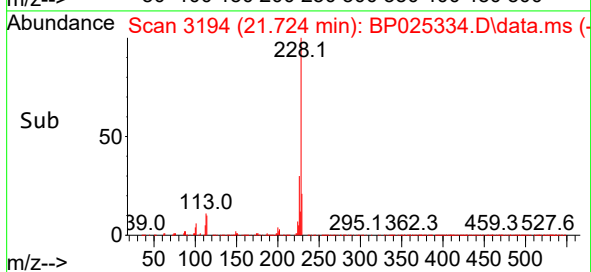
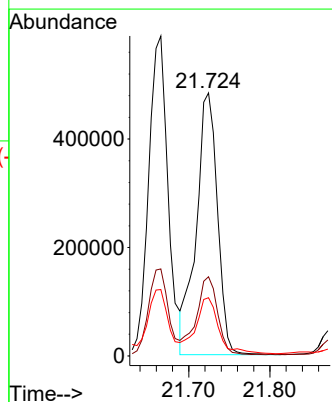
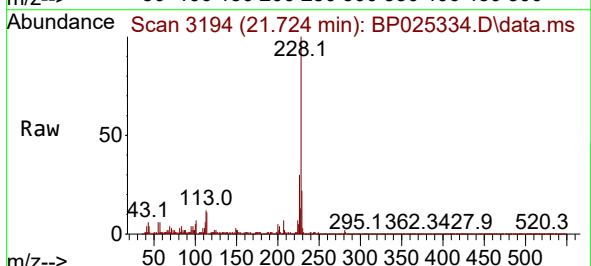
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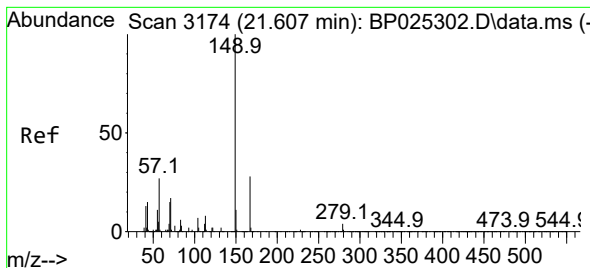
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#83
Chrysene
Concen: 11.680 ng
RT: 21.724 min Scan# 3194
Delta R.T. 0.023 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

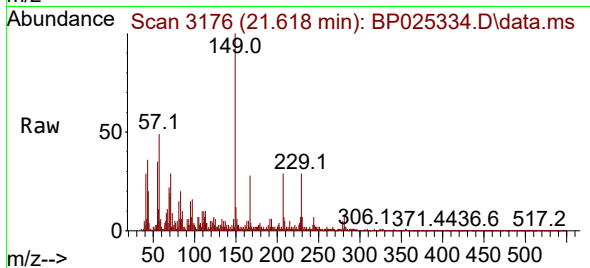
Tgt Ion:228 Resp: 878048
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.1 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.529 ng
RT: 21.618 min Scan# 3176
Delta R.T. 0.011 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

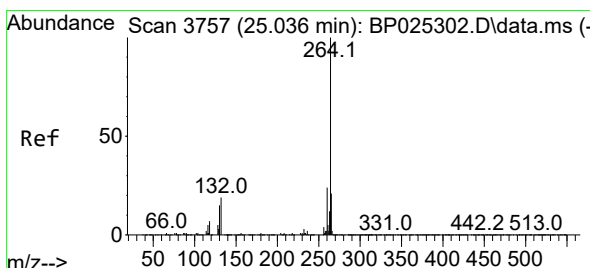
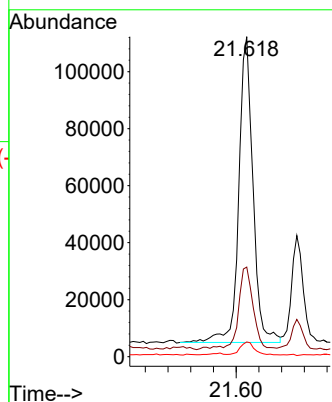
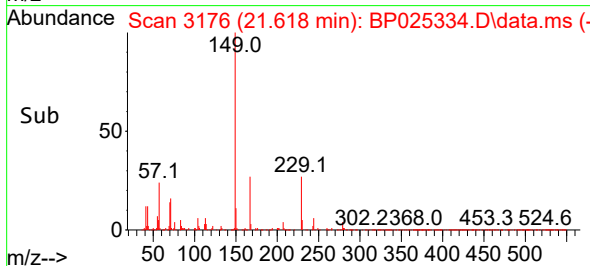
Instrument :
BNA_P
ClientSampleId :
TP-4



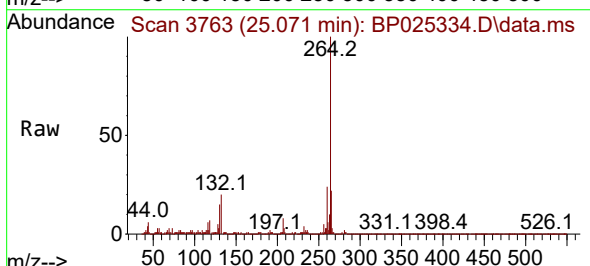
Tgt Ion:149 Resp: 185359
Ion Ratio Lower Upper
149 100
167 28.0 22.1 33.1
279 4.6 3.4 5.2

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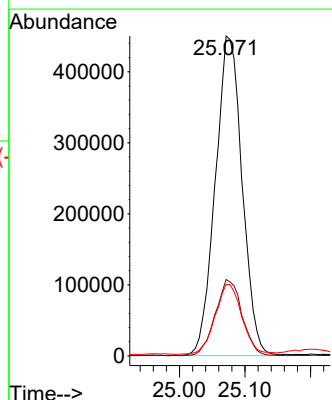
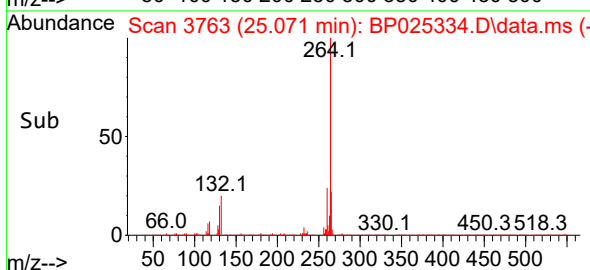
Reviewed By :Rahul Chavli 08/11/2025
Supervised By :Jagrut Upadhyay 08/11/2025

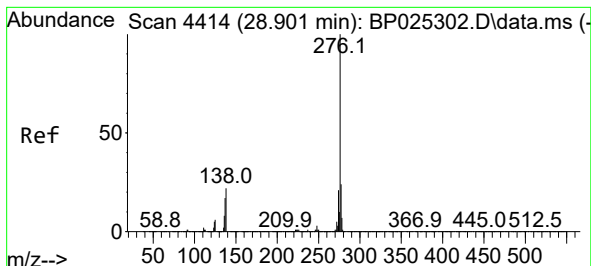


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53



Tgt Ion:264 Resp: 1274951
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.313 ng

RT: 28.918 min Scan# 4414

Delta R.T. 0.017 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

Tgt Ion:276 Resp: 485489

Ion Ratio Lower Upper

276 100

138 23.9 14.6 22.0

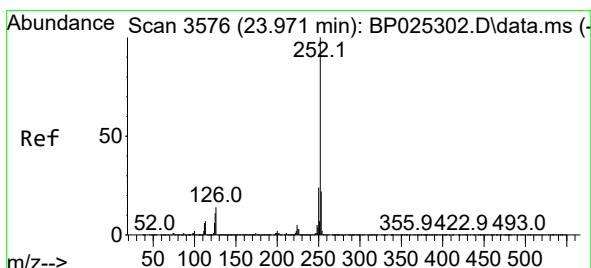
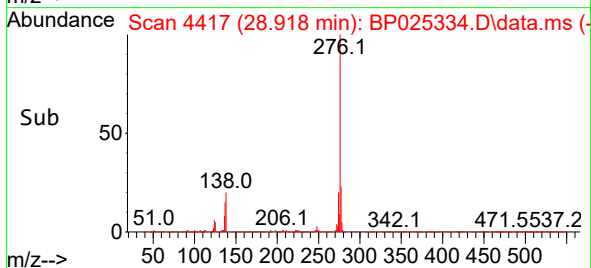
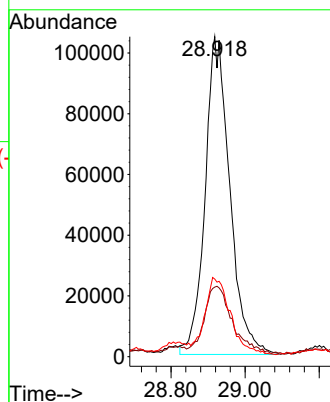
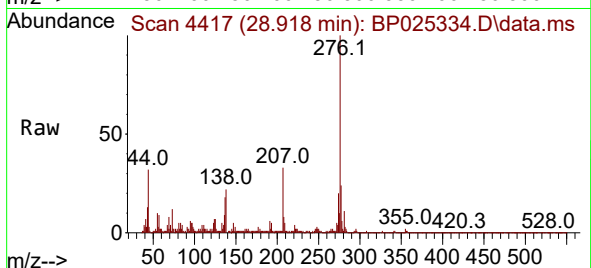
277 25.0 16.8 25.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/11/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#88

Benzo(b)fluoranthene

Concen: 12.681 ng

RT: 24.007 min Scan# 3582

Delta R.T. 0.036 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

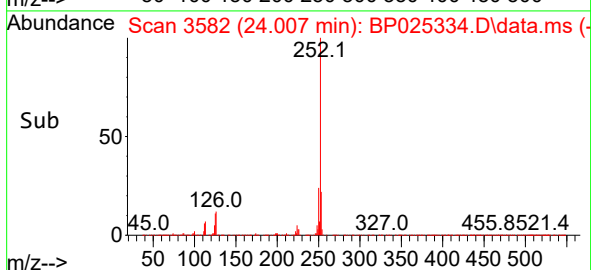
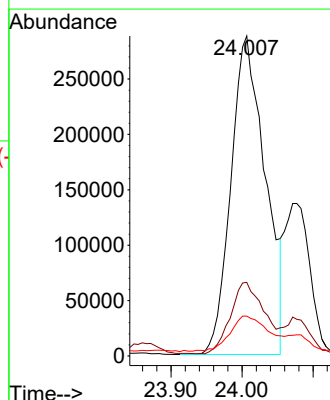
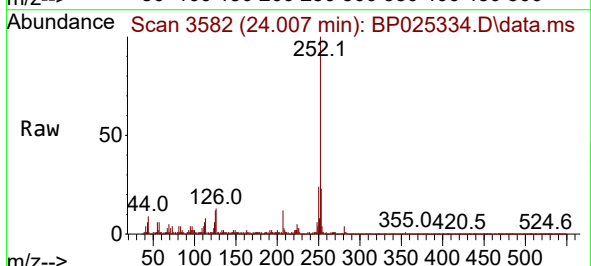
Tgt Ion:252 Resp: 967827

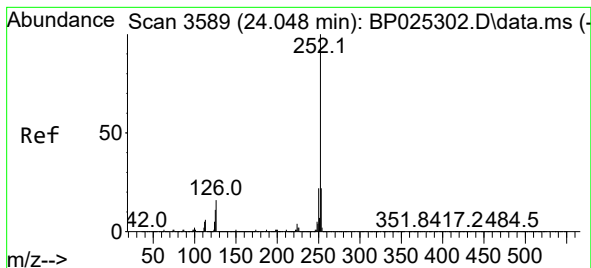
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 12.5 8.5 12.7





#89

Benzo(k)fluoranthene

Concen: 4.450 ng m

RT: 24.071 min Scan# 3

Delta R.T. 0.023 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

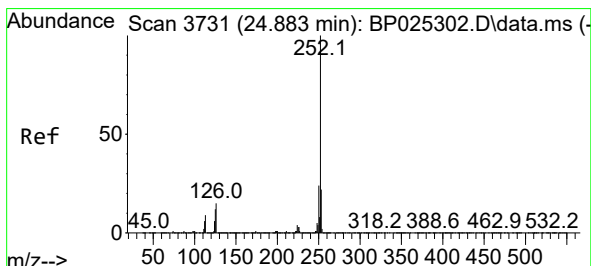
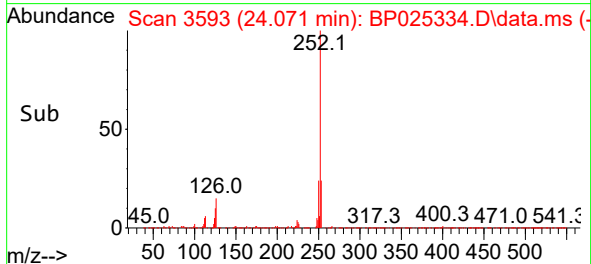
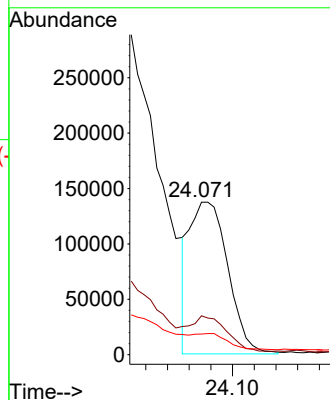
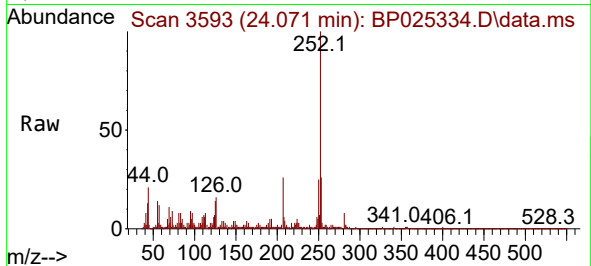
Tgt Ion:252 Resp: 336640
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.6 26.4
 125 13.5 8.5 12.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/11/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#90

Benzo(a)pyrene

Concen: 10.207 ng

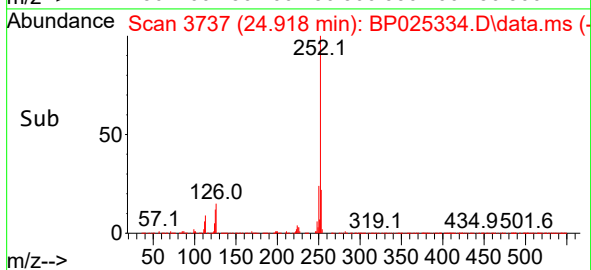
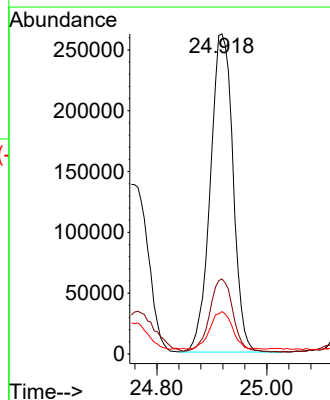
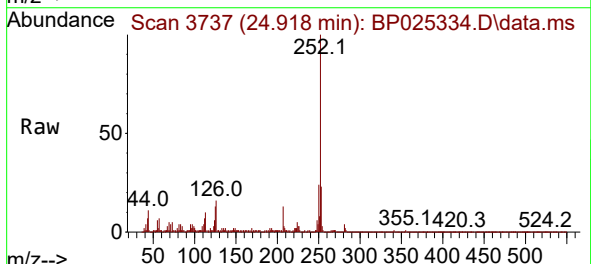
RT: 24.918 min Scan# 3737

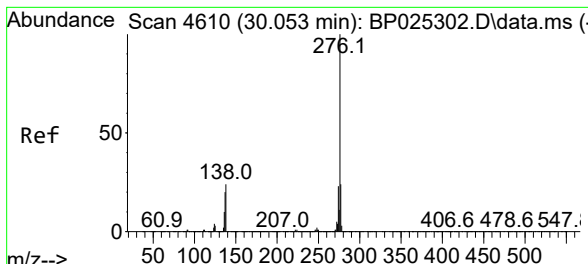
Delta R.T. 0.035 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

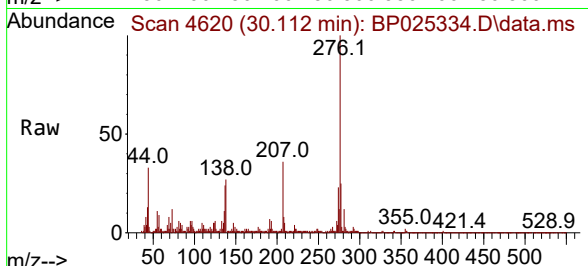
Tgt Ion:252 Resp: 750200
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 13.2 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.165 ng
 RT: 30.112 min Scan# 40
 Delta R.T. 0.059 min
 Lab File: BP025334.D
 Acq: 08 Aug 2025 15:53

Instrument :
 BNA_P
 ClientSampleId :
 TP-4



Tgt Ion: 276 Resp: 45285
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.3 28.9
 138 26.5 19.1 28.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/11/2025
 Supervised By :Jagrut Upadhyay 08/11/2025

