

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025464.D
 Acq On : 18 Aug 2025 16:54
 Operator : CG/JU
 Sample : Q2857-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-12002

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Aug 18 17:30:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

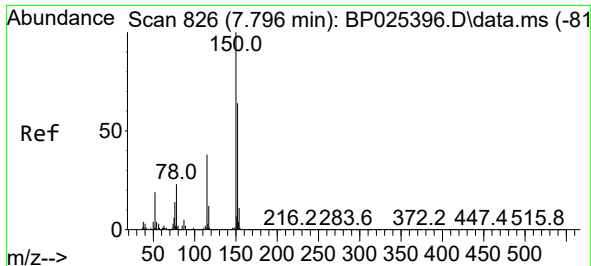
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/19/2025
1) 1,4-Dichlorobenzene-d4	7.790	152	158453	20.000	ng	0.00	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.555	136	640173	20.000	ng	0.00	
39) Acenaphthene-d10	14.395	164	406300	20.000	ng	-0.01	
64) Phenanthrene-d10	17.178	188	794789	20.000	ng	-0.02	
76) Chrysene-d12	21.630	240	888845	20.000	ng	-0.02	
86) Perylene-d12	25.007	264	1069481	20.000	ng	-0.02	08/19/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	165716	17.368	ng	0.00	
7) Phenol-d6	6.966	99	209221	17.103	ng	0.00	
23) Nitrobenzene-d5	8.931	82	131917	10.424	ng	0.00	
42) 2,4,6-Tribromophenol	15.901	330	86314	15.783	ng	-0.01	
45) 2-Fluorobiphenyl	13.007	172	303594	10.212	ng	-0.01	
79) Terphenyl-d14	19.907	244	494189	10.172	ng	-0.01	
Target Compounds							Qvalue
49) Acenaphthylene	14.119	152	216344	5.692	ng		99
58) Fluorene	15.448	166	65217	2.343	ng		97
71) Phenanthrene	17.225	178	1250979	28.653	ng		99
72) Anthracene	17.319	178	386152	8.661	ng		99
73) Carbazole	17.595	167	131365	3.128	ng		98
75) Fluoranthene	19.313	202	1939709	37.245	ng		98
78) Pyrene	19.689	202	1887848	32.677	ng		99
81) Benzo(a)anthracene	21.607	228	816719	13.933	ng		96
83) Chrysene	21.677	228	967861	17.630	ng		97
87) Indeno(1,2,3-cd)pyrene	28.818	276	550610	7.020	ng	#	89
88) Benzo(b)fluoranthene	23.936	252	1113168	17.651	ng		98
89) Benzo(k)fluoranthene	23.995	252	405762m	6.430	ng		
90) Benzo(a)pyrene	24.830	252	754766	12.295	ng		99
91) Dibenzo(a,h)anthracene	28.889	278	155291m	2.423	ng		
92) Benzo(g,h,i)perylene	29.995	276	541041	8.587	ng		98

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

Manual Integrations

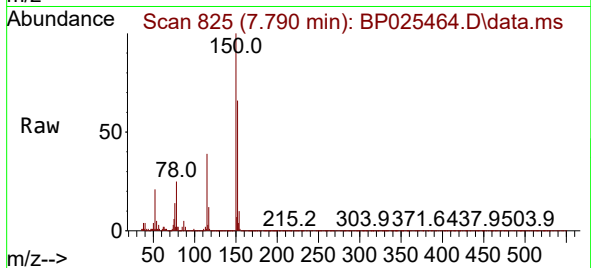
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

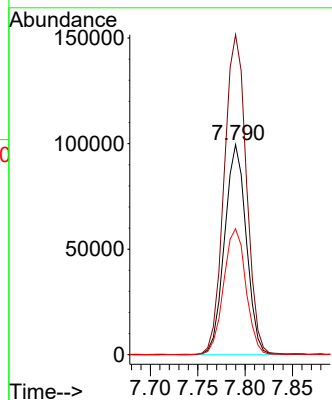
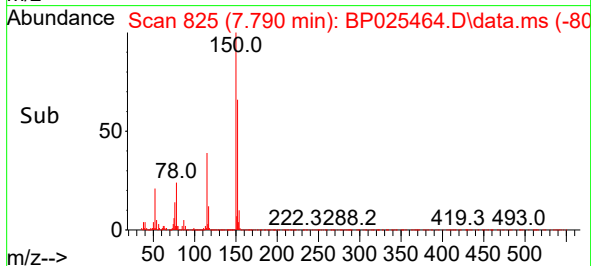
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion:152 Resp: 15845
Ion Ratio Lower Upper
152 100
150 152.3 125.9 188.9
115 59.9 48.5 72.7

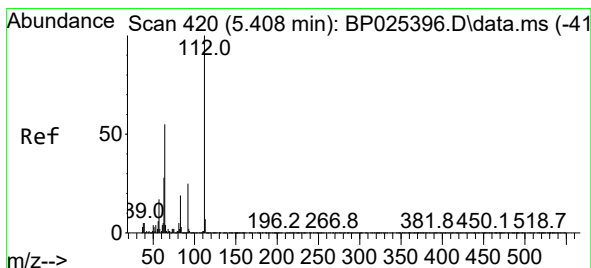
Manual Integrations
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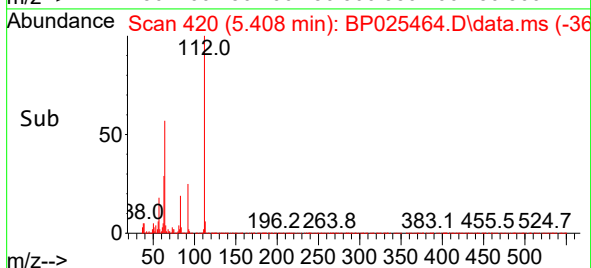
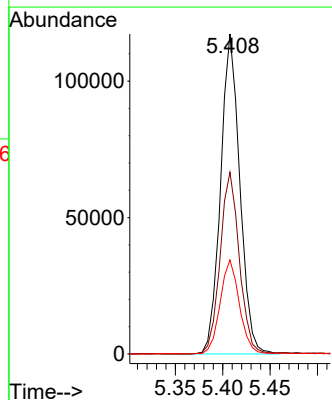
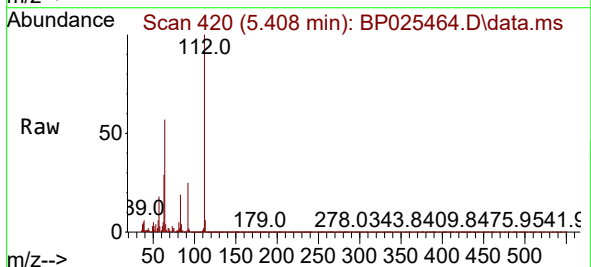
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Supervised By :Jagrut
Upadhyay

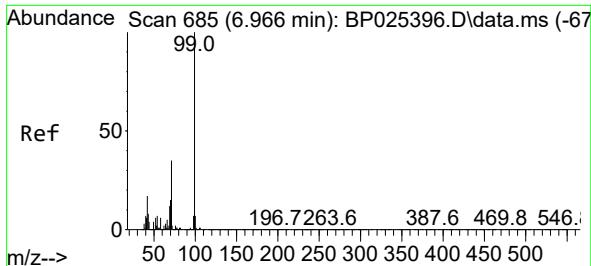
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#5
2-Fluorophenol
Concen: 17.368 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

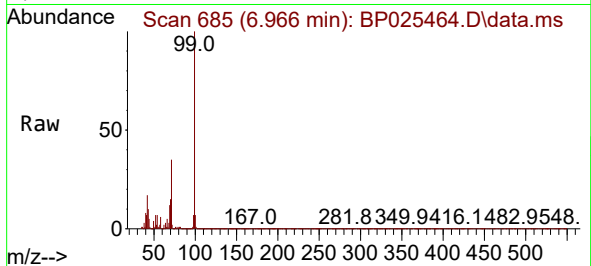
Tgt Ion:112 Resp: 165716
Ion Ratio Lower Upper
112 100
64 56.8 43.8 65.8
63 29.4 22.7 34.1





#7
Phenol-d6
Concen: 17.103 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

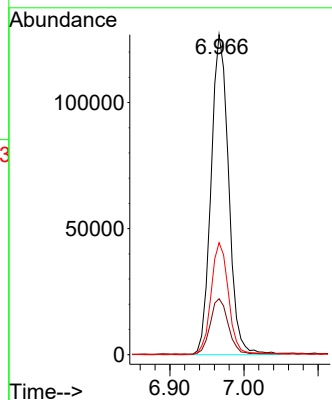
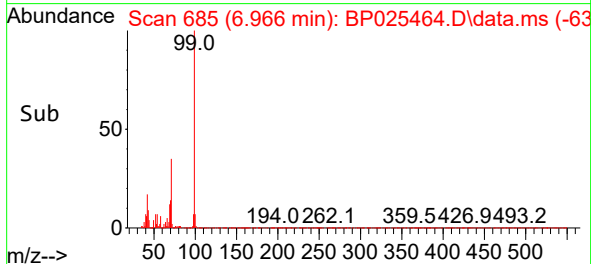
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion: 99 Resp: 20922
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 35.0 28.2 42.4

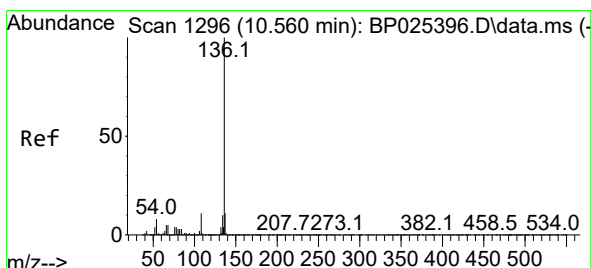
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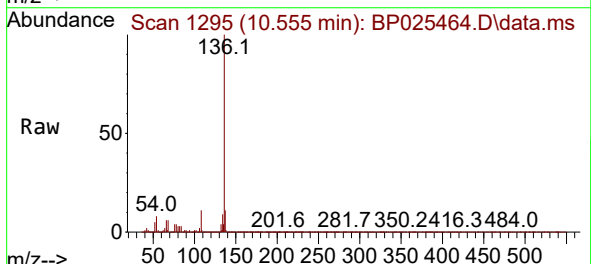


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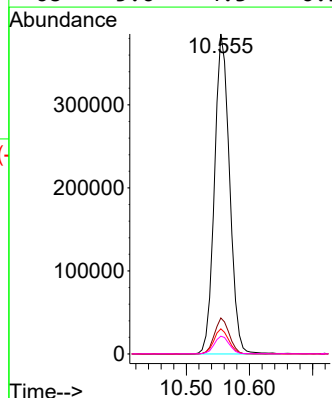
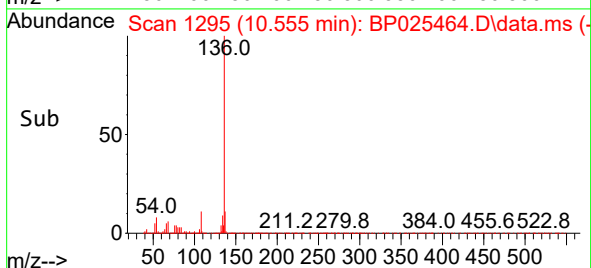
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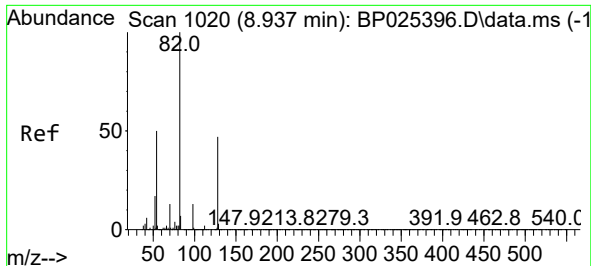


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54



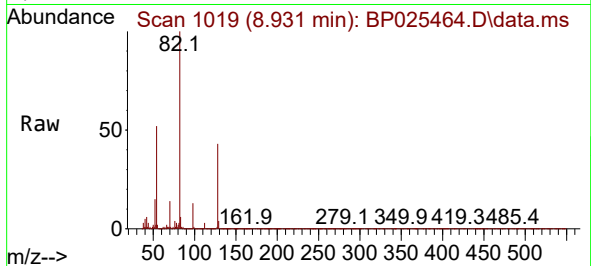
Tgt Ion:136 Resp: 640173
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 7.9 6.0 9.0
68 5.6 4.3 6.5





#23
Nitrobenzene-d5
Concen: 10.424 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

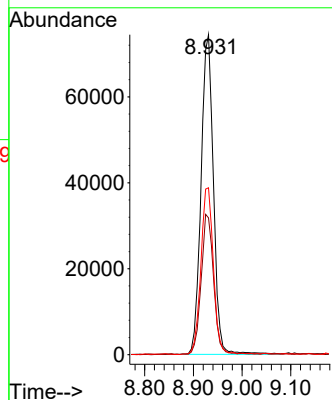
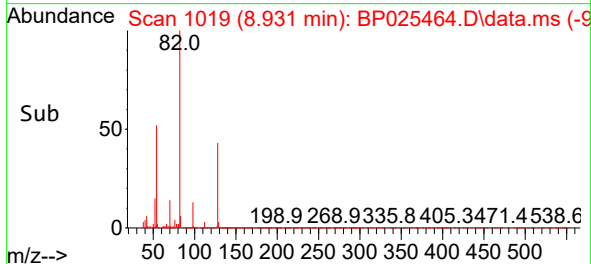
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion: 82 Resp: 13191
Ion Ratio Lower Upper
82 100
128 42.8 37.7 56.5
54 52.1 39.8 59.6

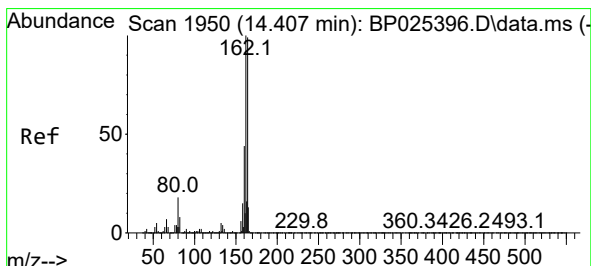
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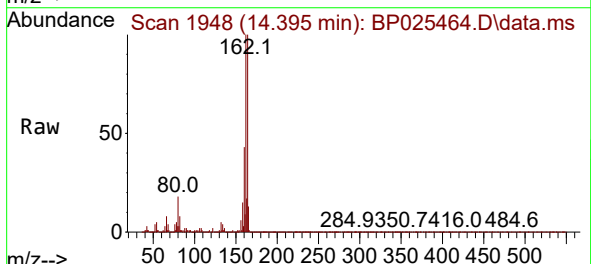


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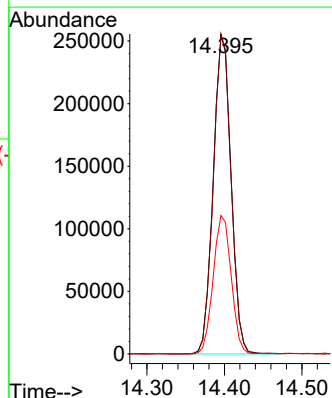
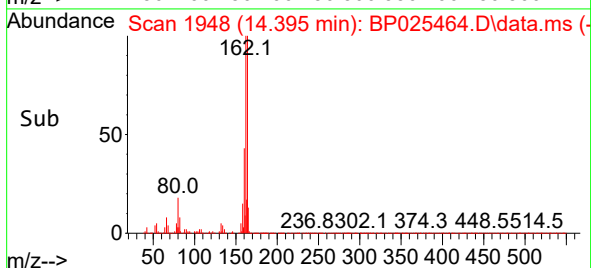
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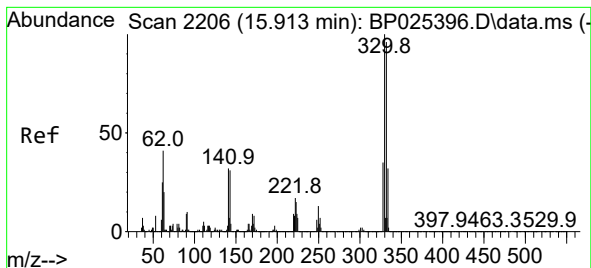


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54



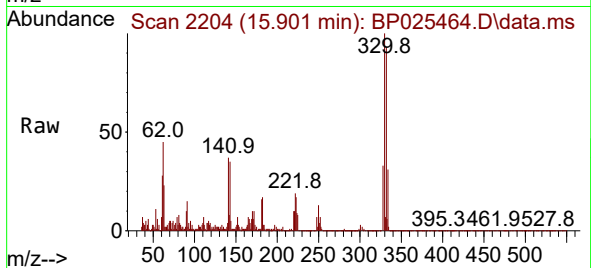
Tgt Ion:164 Resp: 406300
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.6
160 43.4 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 15.783 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

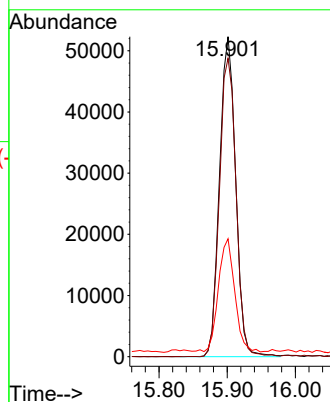
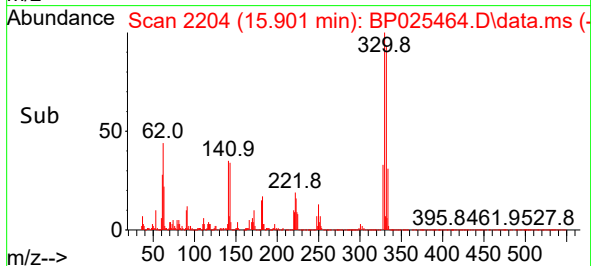
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion: 330 Resp: 86314
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 35.6 26.6 39.8

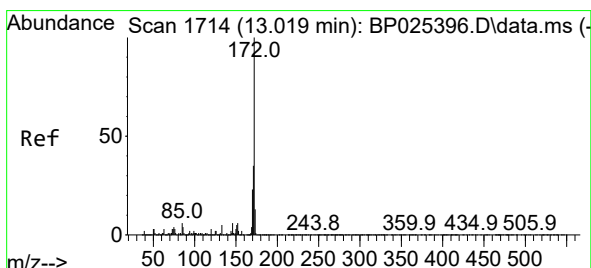
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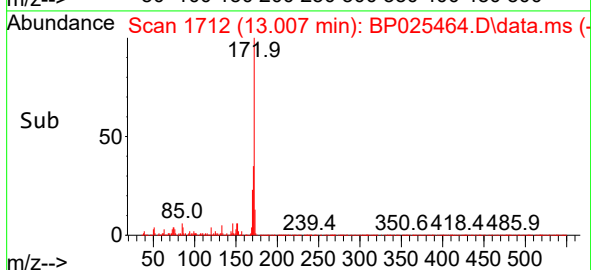
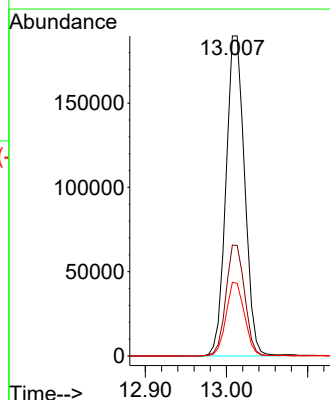
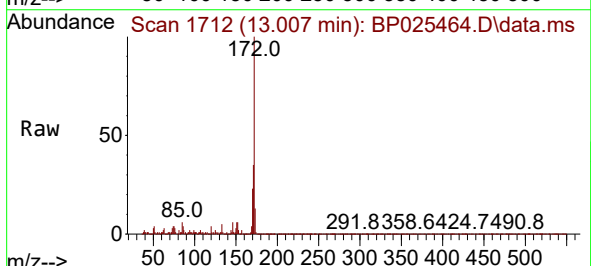
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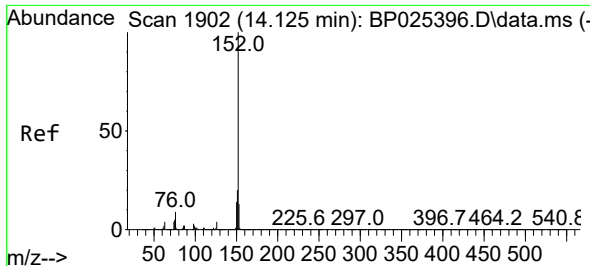
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#45
2-Fluorobiphenyl
Concen: 10.212 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

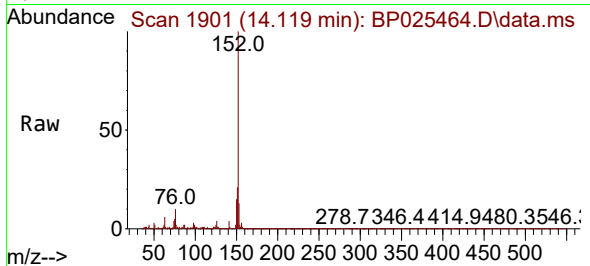
Tgt Ion: 172 Resp: 303594
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.0 18.6 28.0





#49
Acenaphthylene
Concen: 5.692 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

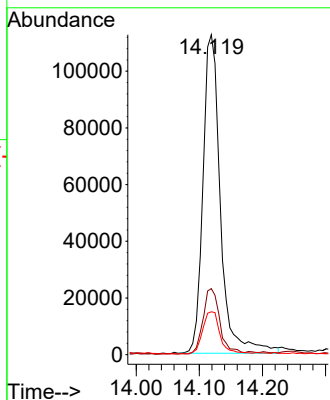
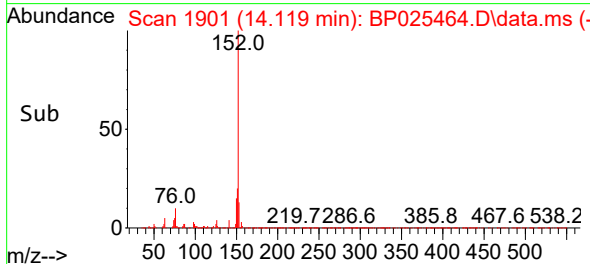
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion:152 Resp: 216344
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 13.4 10.6 15.8

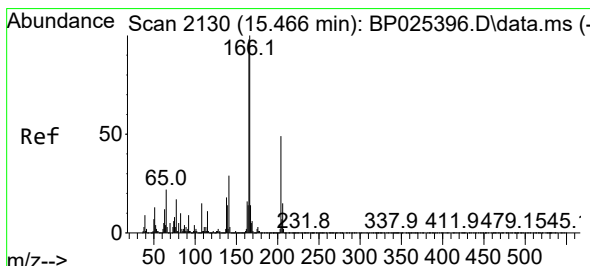
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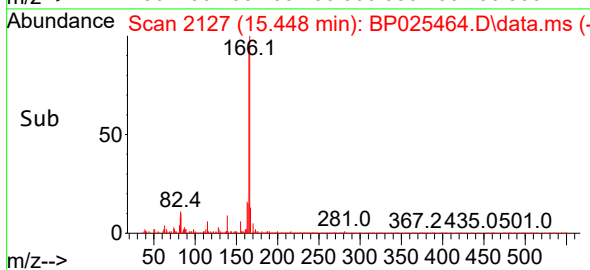
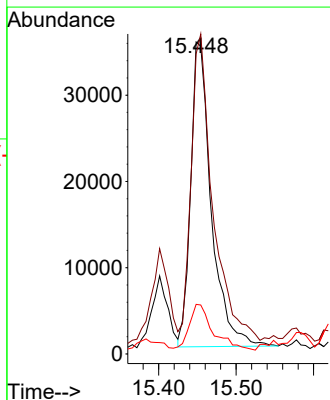
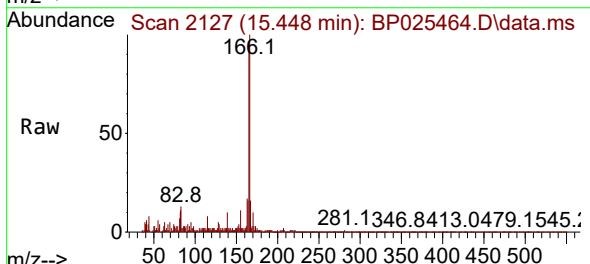
08/19/2025
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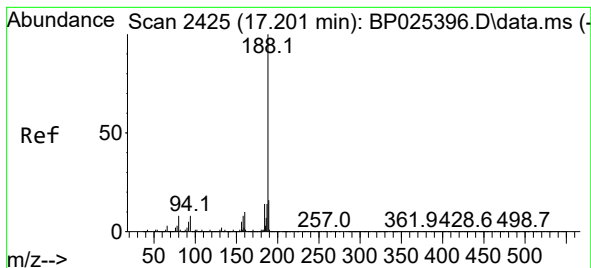
08/19/2025



#58
Fluorene
Concen: 2.343 ng
RT: 15.448 min Scan# 2127
Delta R.T. -0.018 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

Tgt Ion:166 Resp: 65217
Ion Ratio Lower Upper
166 100
165 96.1 78.8 118.2
167 15.9 11.0 16.4





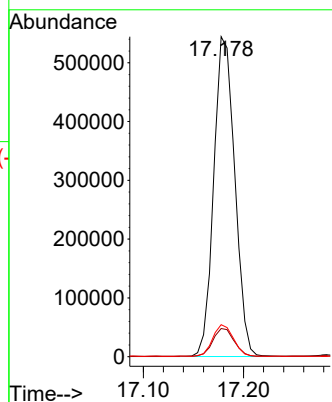
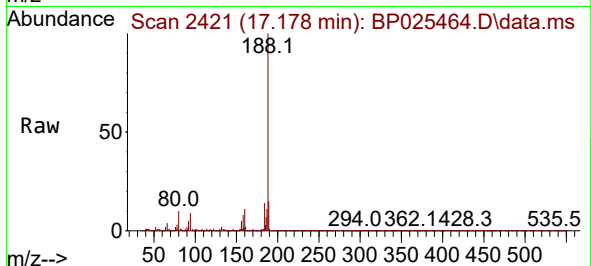
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.023 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

Instrument :
BNA_P
ClientSampleId :
72-12002

Tgt Ion:188 Resp: 794789
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 10.0 6.7 10.1

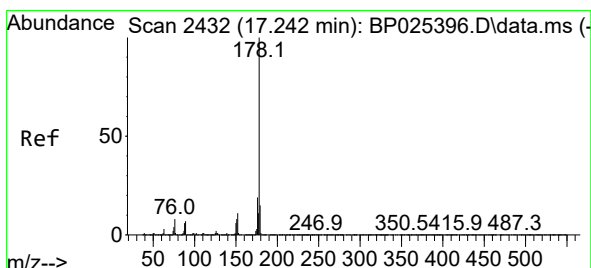
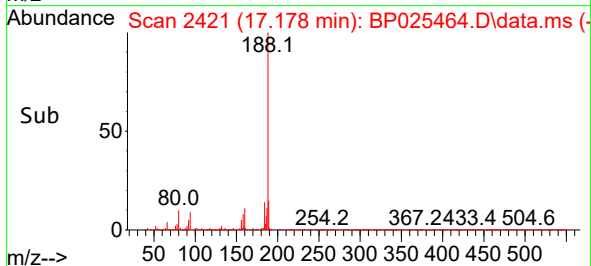
Manual Integrations
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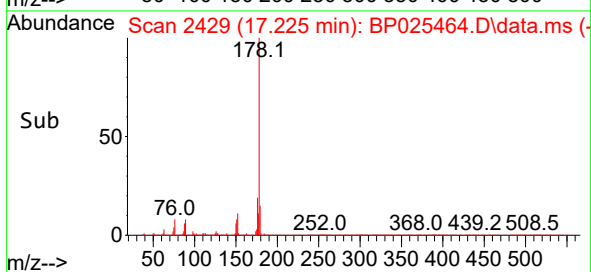
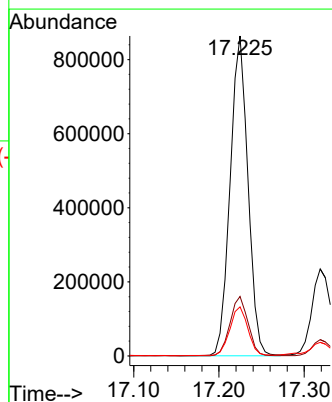
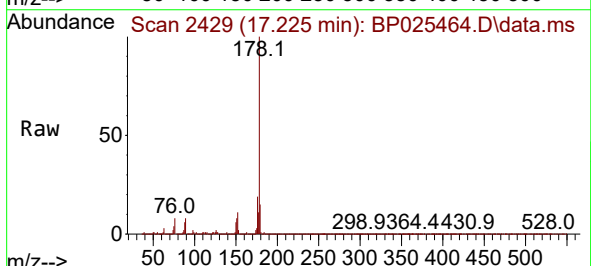
08/19/2025
Supervised By :Jagrut
Upadhyay

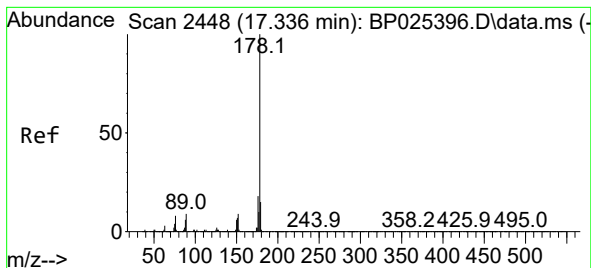
08/19/2025



#71
Phenanthrene
Concen: 28.653 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

Tgt Ion:178 Resp: 1250979
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.3 12.2 18.4





#72

Anthracene

Concen: 8.661 ng

RT: 17.319 min Scan# 2445

Delta R.T. -0.017 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

Instrument :

BNA_P

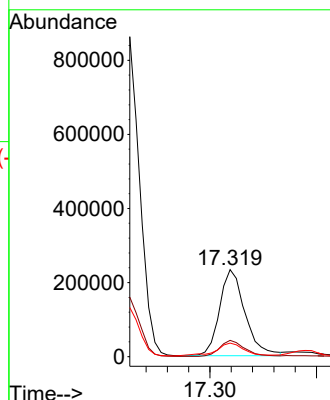
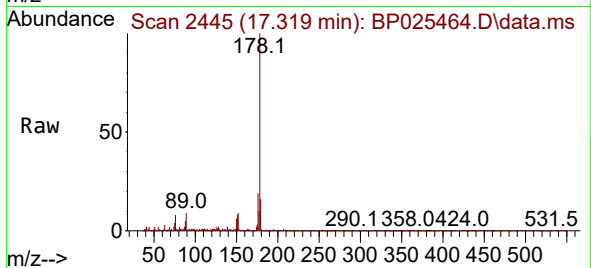
ClientSampleId :

72-12002

Tgt Ion:178	Resp: 38615
Ion Ratio	Lower Upper
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176 18.7	14.7 22.1
179 15.7	12.2 18.2

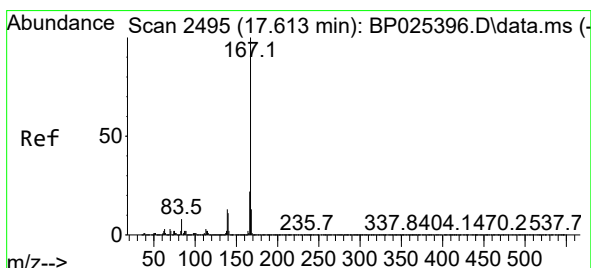
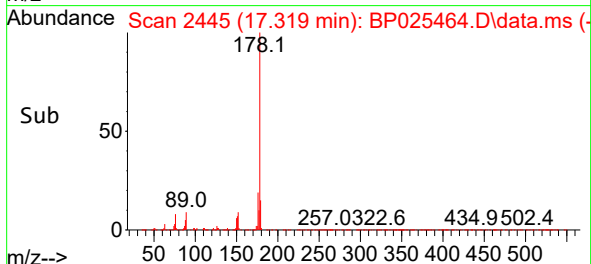
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Upadhyay

08/19/2025



#73

Carbazole

Concen: 3.128 ng

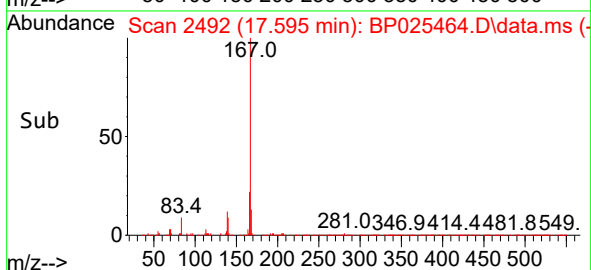
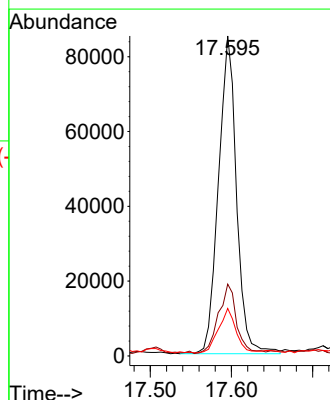
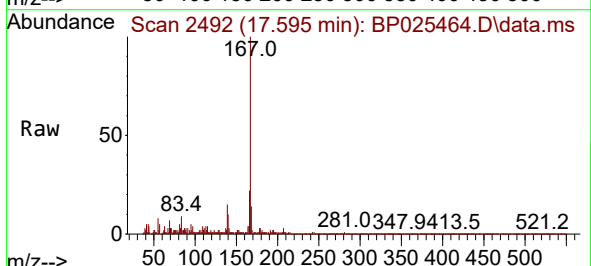
RT: 17.595 min Scan# 2492

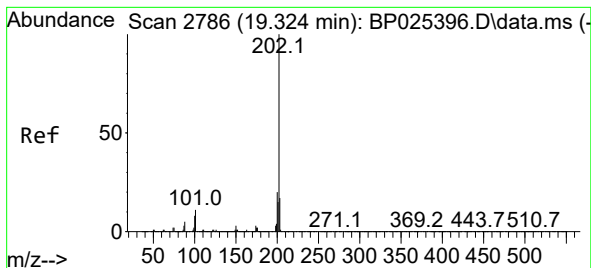
Delta R.T. -0.017 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

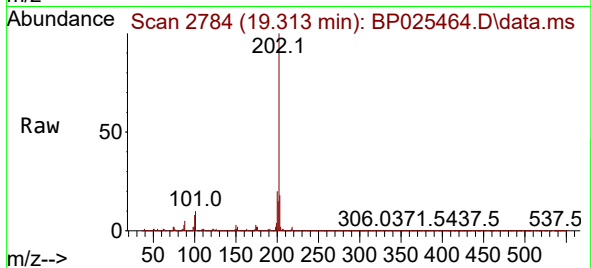
Tgt Ion:167	Resp: 131365
Ion Ratio	Lower Upper
167 100	
166 22.5	17.5 26.3
139 14.9	10.6 16.0





#75
Fluoranthene
Concen: 37.245 ng
RT: 19.313 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

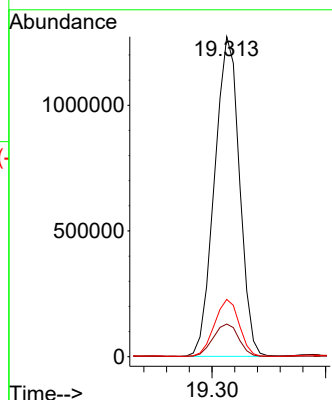
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion:202 Resp: 1939709
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.9 0.0 37.3

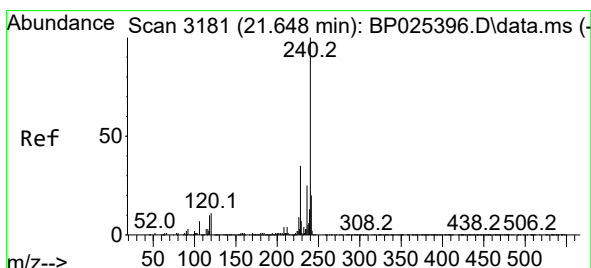
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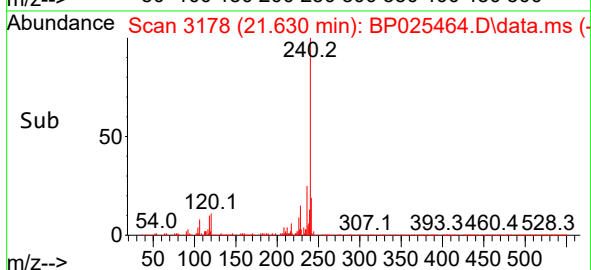
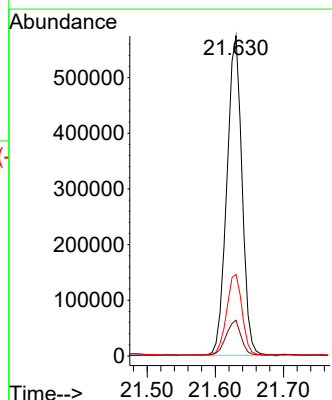
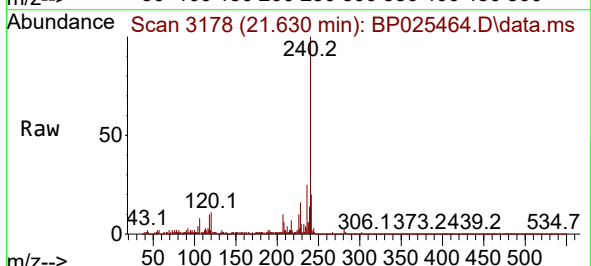
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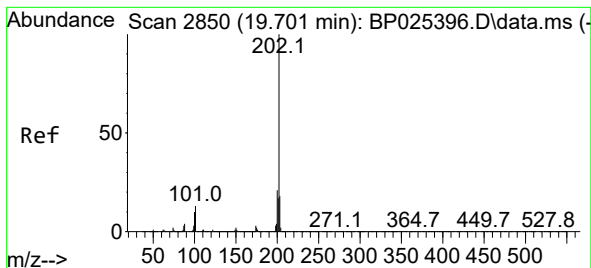
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

Tgt Ion:240 Resp: 888845
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.5 19.8 29.8





#78

Pyrene

Concen: 32.677 ng

RT: 19.689 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

Instrument :

BNA_P

ClientSampleId :

72-12002

Tgt Ion:202 Resp: 188784

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

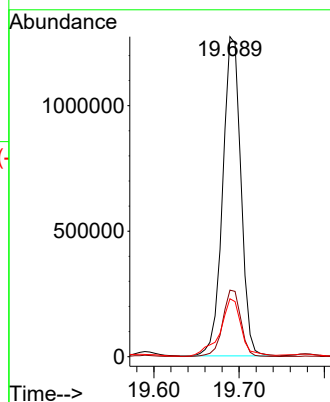
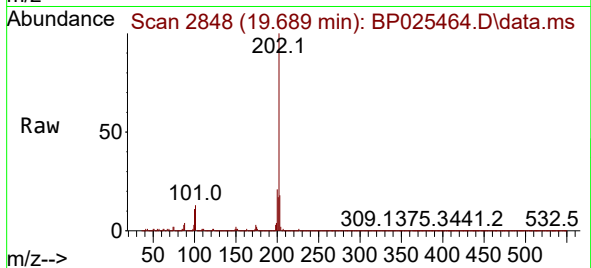
203 18.1 14.2 21.2

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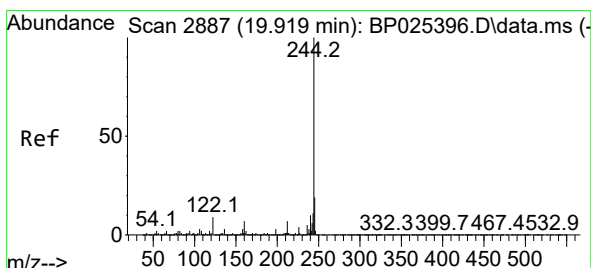
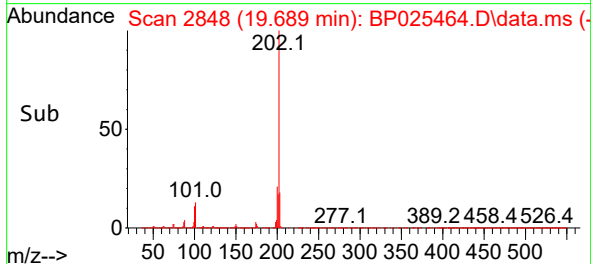


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#79

Terphenyl-d14

Concen: 10.172 ng

RT: 19.907 min Scan# 2885

Delta R.T. -0.012 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

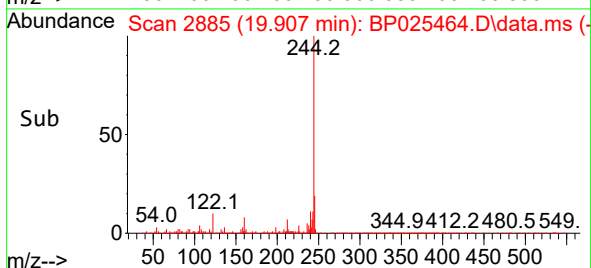
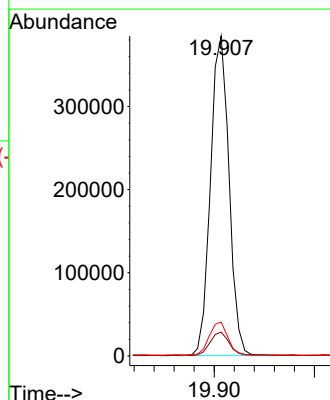
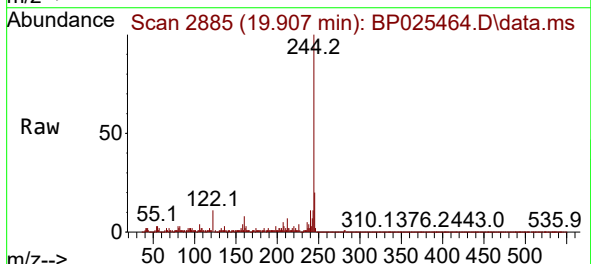
Tgt Ion:244 Resp: 494189

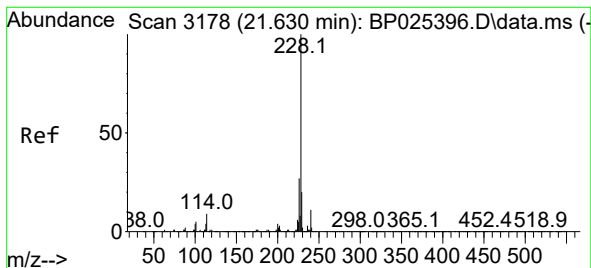
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.6 7.4 11.2





#81

Benzo(a)anthracene

Concen: 13.933 ng

RT: 21.607 min Scan# 3178

Delta R.T. -0.023 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

Instrument :

BNA_P

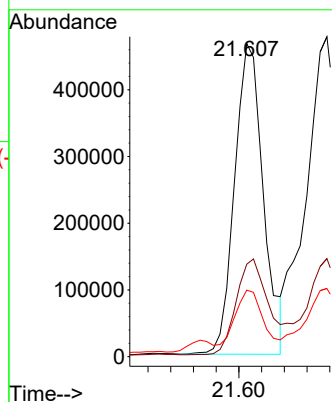
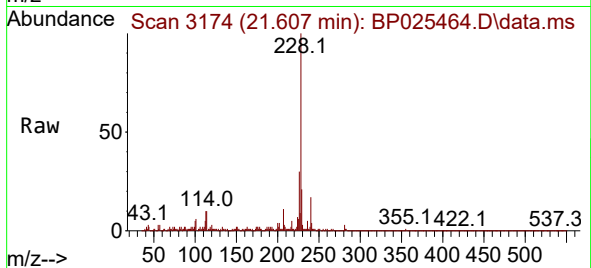
ClientSampleId :

72-12002

Tgt Ion:228 Resp: 816719
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 21.3 15.6 23.4

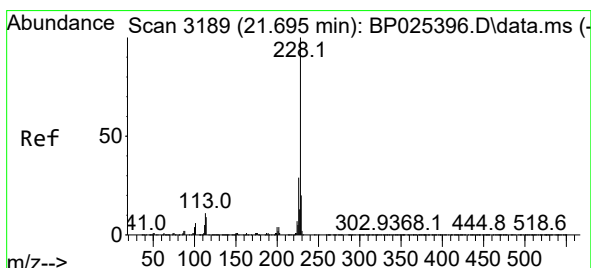
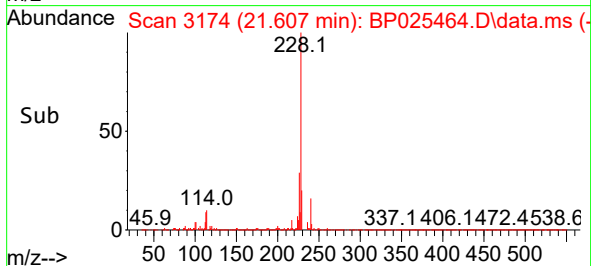
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#83

Chrysene

Concen: 17.630 ng

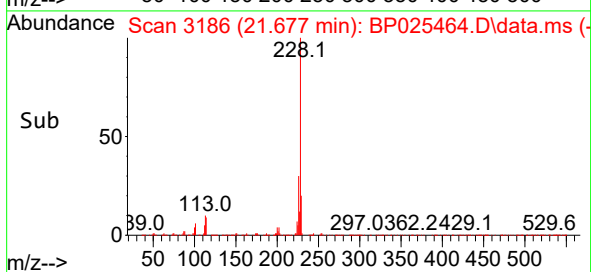
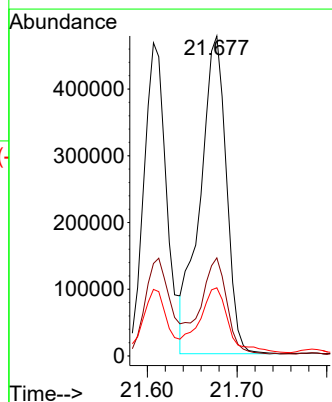
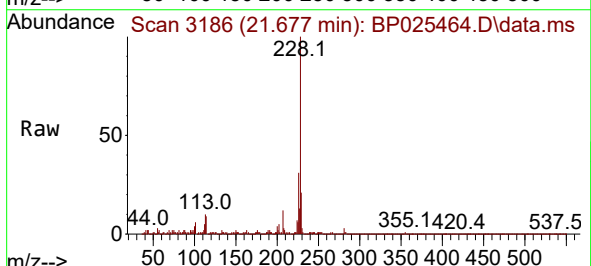
RT: 21.677 min Scan# 3186

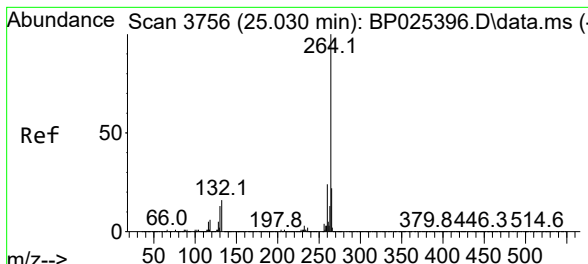
Delta R.T. -0.018 min

Lab File: BP025464.D

Acq: 18 Aug 2025 16:54

Tgt Ion:228 Resp: 967861
Ion Ratio Lower Upper
228 100
226 30.7 23.2 34.8
229 21.3 15.6 23.4





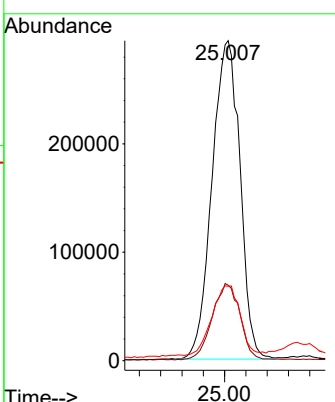
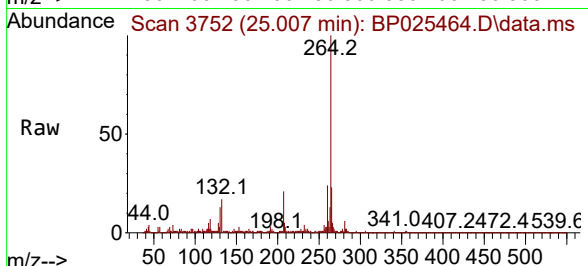
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.007 min Scan# 31
 Delta R.T. -0.023 min
 Lab File: BP025464.D
 Acq: 18 Aug 2025 16:54

Instrument : BNA_P
 ClientSampleId : 72-12002

Tgt Ion: 264 Resp: 106948

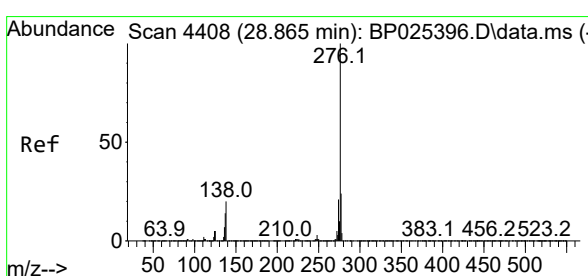
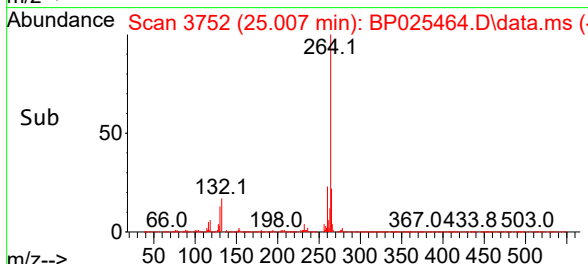
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	23.2	17.4	26.0

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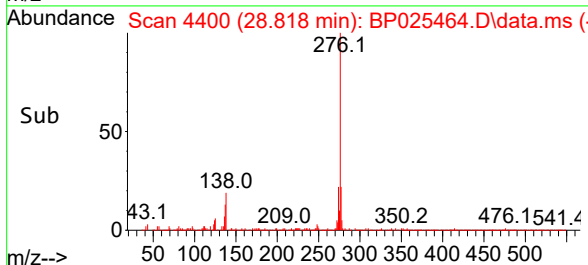
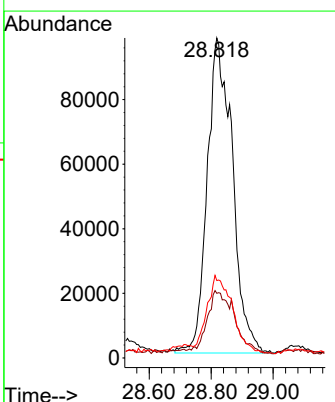
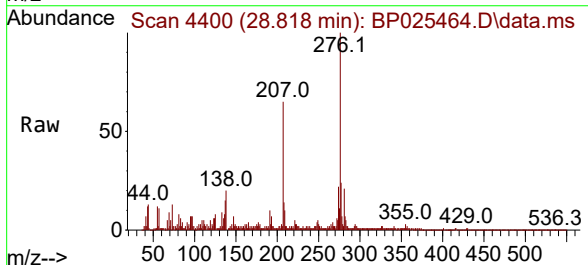
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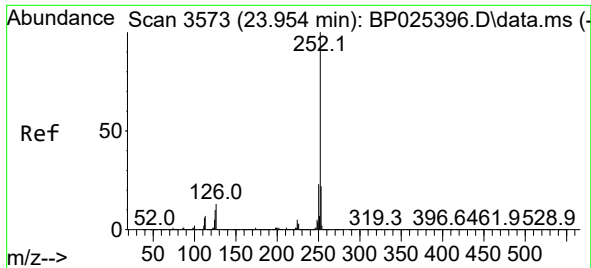


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.020 ng
 RT: 28.818 min Scan# 4400
 Delta R.T. -0.047 min
 Lab File: BP025464.D
 Acq: 18 Aug 2025 16:54

Tgt Ion: 276 Resp: 550610

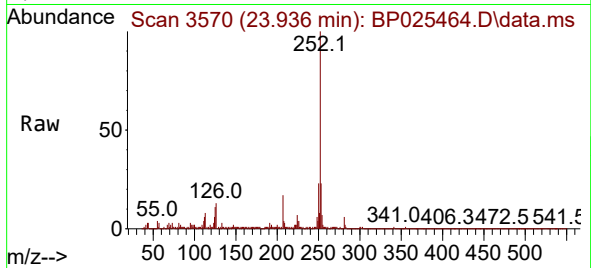
Ion	Ratio	Lower	Upper
276	100		
138	22.0	12.9	19.3#
277	25.6	17.0	25.6#





#88
Benzo(b)fluoranthene
Concen: 17.651 ng
RT: 23.936 min Scan# 311316
Delta R.T. -0.017 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

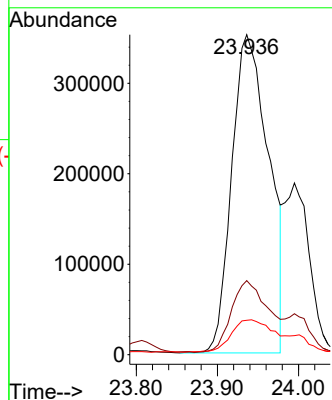
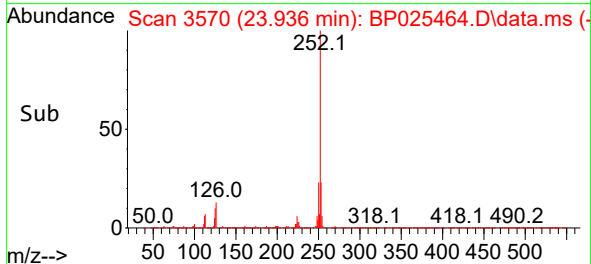
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion:252 Resp: 111316
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.8 7.9 11.9

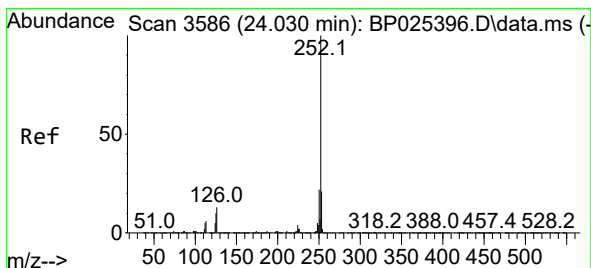
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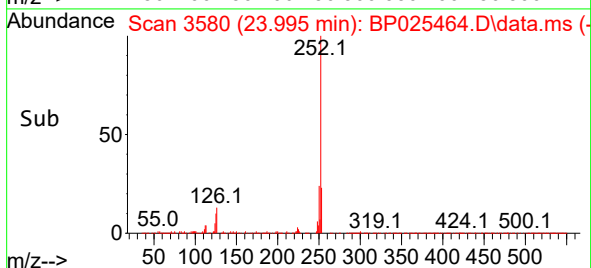
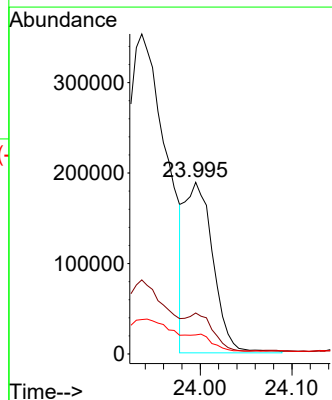
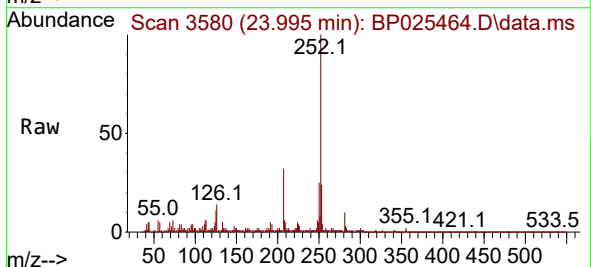
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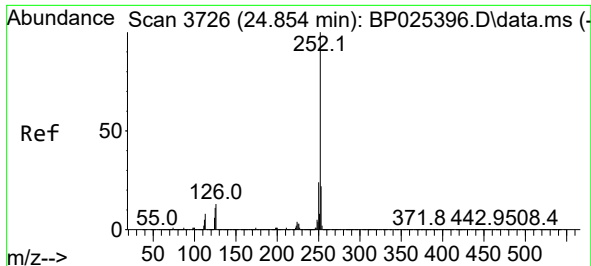
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#89
Benzo(k)fluoranthene
Concen: 6.430 ng m
RT: 23.995 min Scan# 3580
Delta R.T. -0.035 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

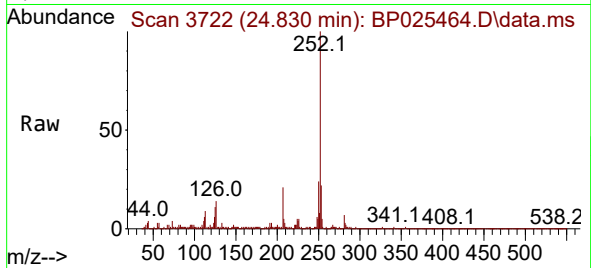
Tgt Ion:252 Resp: 405762
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 11.1 7.8 11.6





#90
Benzo(a)pyrene
Concen: 12.295 ng
RT: 24.830 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

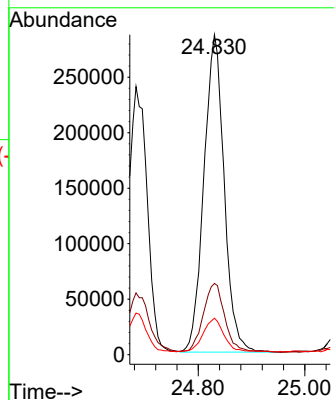
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion:252 Resp: 754760
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.4 8.7 13.1

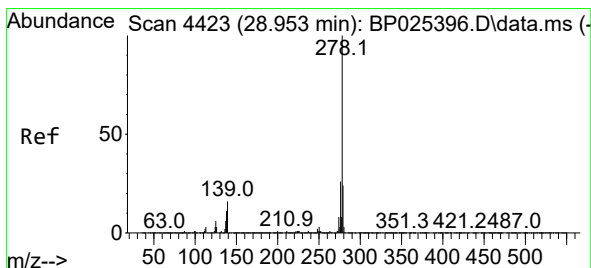
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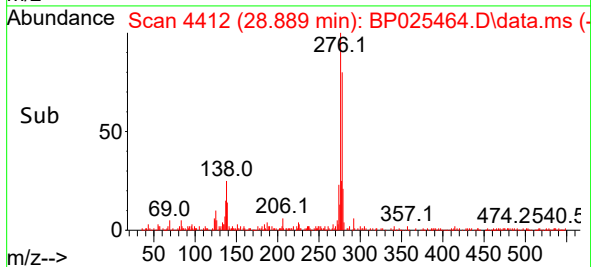
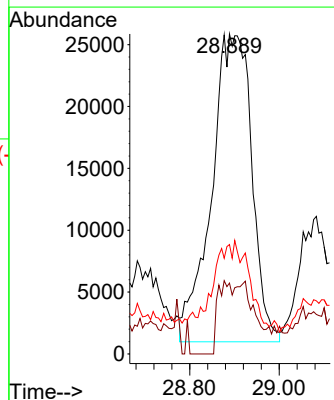
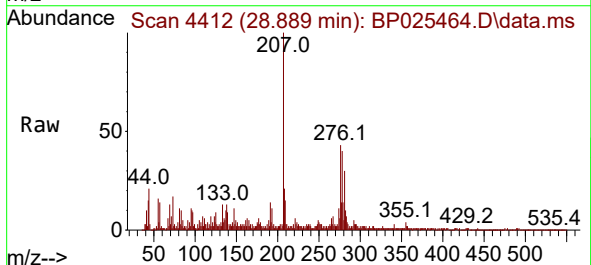
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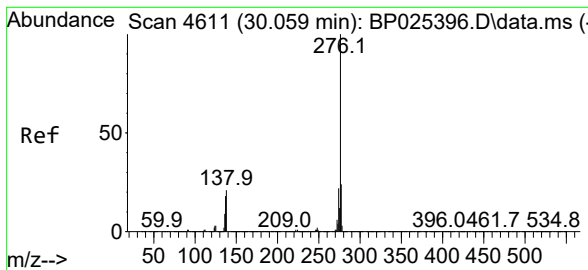
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#91
Dibenzo(a,h)anthracene
Concen: 2.423 ng m
RT: 28.889 min Scan# 4412
Delta R.T. -0.065 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

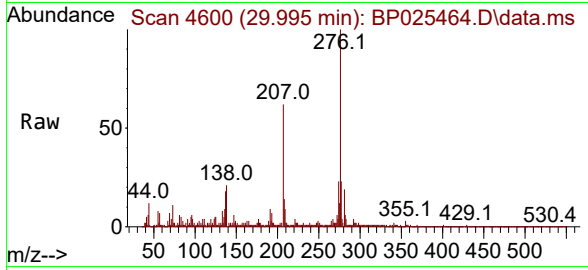
Tgt Ion:278 Resp: 155291
Ion Ratio Lower Upper
278 100
139 22.2 13.0 19.4#
279 34.2 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 8.587 ng
RT: 29.995 min Scan# 40
Delta R.T. -0.065 min
Lab File: BP025464.D
Acq: 18 Aug 2025 16:54

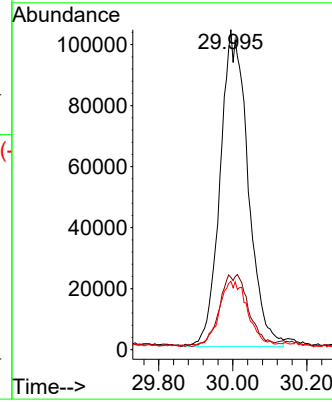
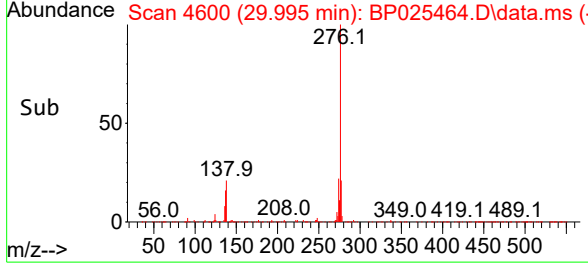
Instrument :
BNA_P
ClientSampleId :
72-12002



Tgt Ion: 276 Resp: 54104
Ion Ratio Lower Upper
276 100
277 22.6 19.4 29.0
138 21.4 16.7 25.1

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