

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025431.D
 Acq On : 15 Aug 2025 17:35
 Operator : CG/JU
 Sample : Q2827-05DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-9DL

Quant Time: Aug 15 18:45:26 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

Manual Integrations APPROVED

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 Supervised By :Jagrut Upadhyay 08/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147891	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	596109	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	370341	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	716922	20.000	ng	0.00
76) Chrysene-d12	21.630	240	788413	20.000	ng	-0.02
86) Perylene-d12	24.977	264	924452	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	50195	5.636	ng	0.00
7) Phenol-d6	6.961	99	78433	6.870	ng	0.00
23) Nitrobenzene-d5	8.919	82	60517	5.135	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	38641	7.752	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	154782	5.712	ng	-0.01
79) Terphenyl-d14	19.913	244	244969	5.685	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.460	154	124251	6.110	ng	95
55) Dibenzofuran	14.801	168	131422	4.087	ng	# 48
58) Fluorene	15.466	166	259505	10.228	ng	# 93
71) Phenanthrene	17.242	178	1215600	30.866	ng	98
72) Anthracene	17.337	178	238995m	5.943	ng	
75) Fluoranthene	19.319	202	877784	18.685	ng	97
78) Pyrene	19.695	202	873293	17.042	ng	99
81) Benzo(a)anthracene	21.607	228	338938	6.519	ng	98
83) Chrysene	21.683	228	309802	6.362	ng	97
84) Bis(2-ethylhexyl)phtha...	21.560	149	874200	25.571	ng	98
87) Indeno(1,2,3-cd)pyrene	28.783	276	166185	2.451	ng	# 89
88) Benzo(b)fluoranthene	23.924	252	337916m	6.199	ng	
89) Benzo(k)fluoranthene	23.983	252	138006m	2.530	ng	
90) Benzo(a)pyrene	24.813	252	265729	5.008	ng	97
92) Benzo(g,h,i)perylene	29.971	276	163716	3.006	ng	# 93

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

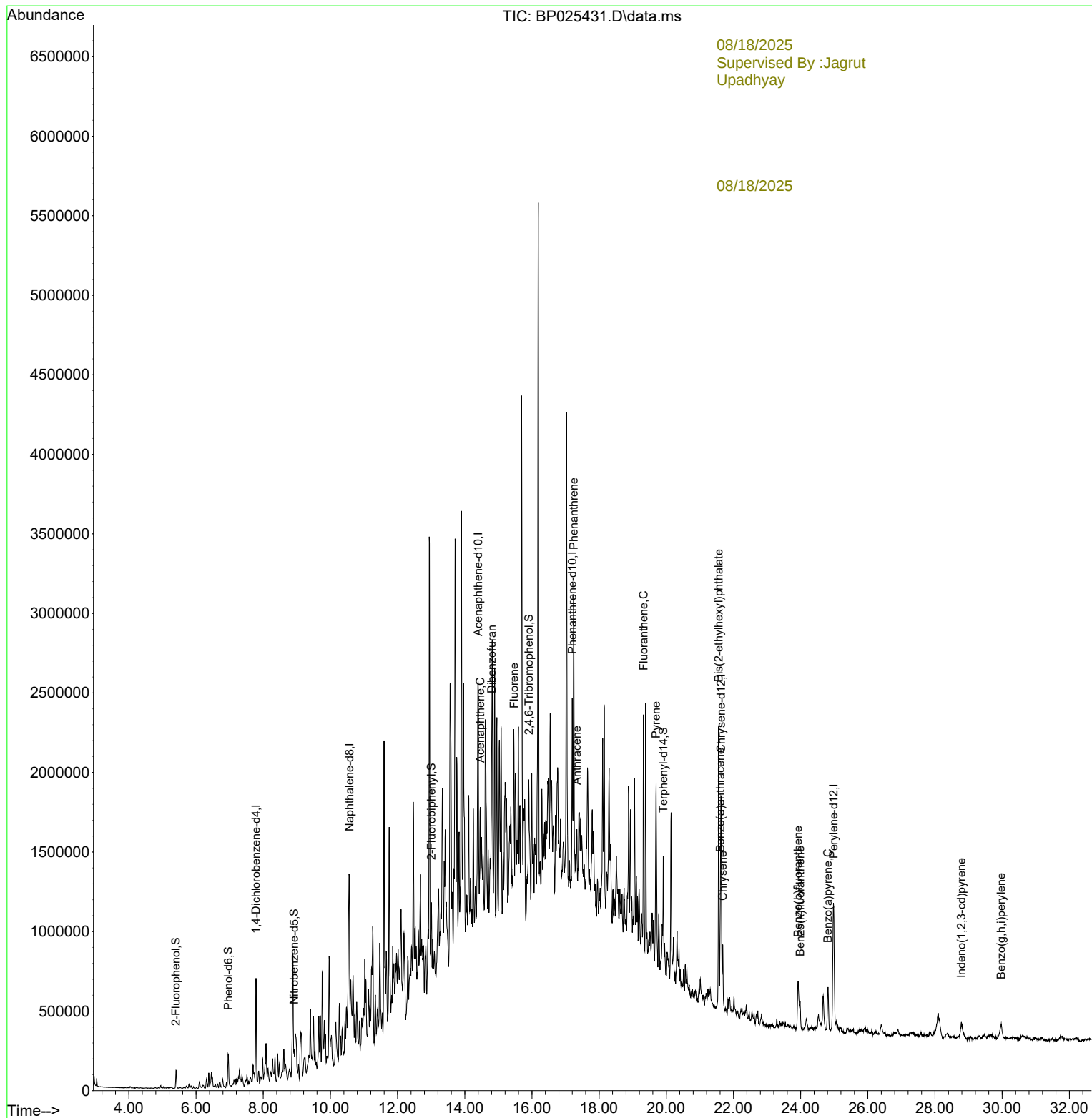
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
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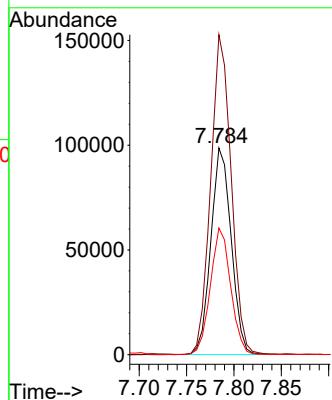
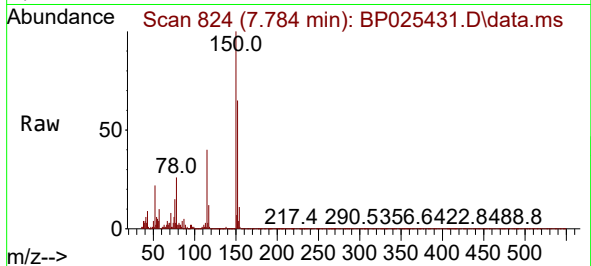
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Instrument :
BNA_P
ClientSampleId :
TP-9DL

Tgt Ion:152 Resp: 14789
Ion Ratio Lower Upper
152 100
150 154.8 125.9 188.9
115 61.2 48.5 72.7

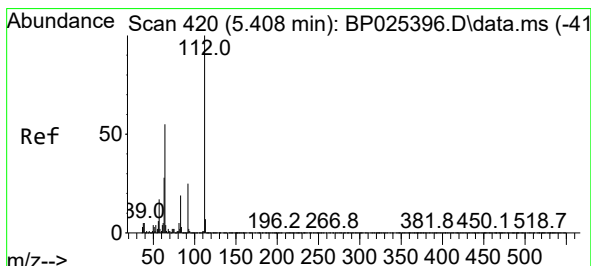
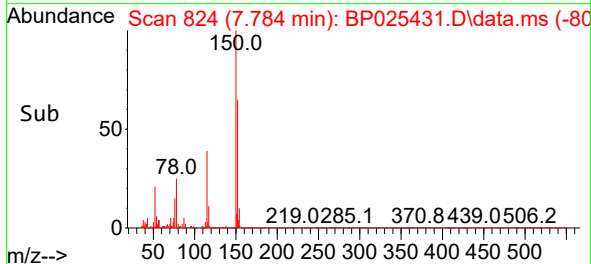
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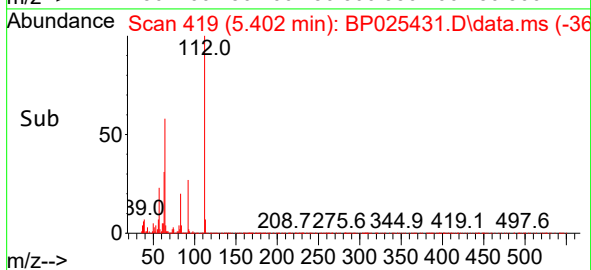
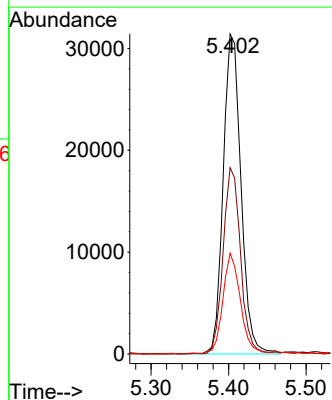
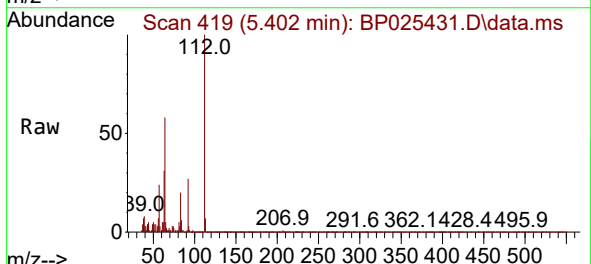
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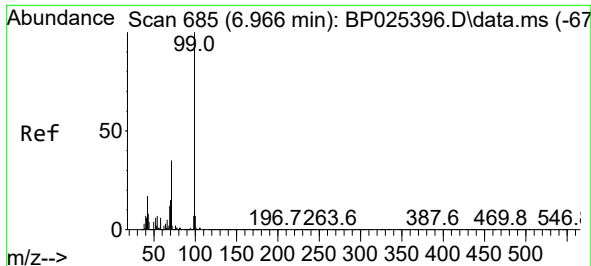
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#5
2-Fluorophenol
Concen: 5.636 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

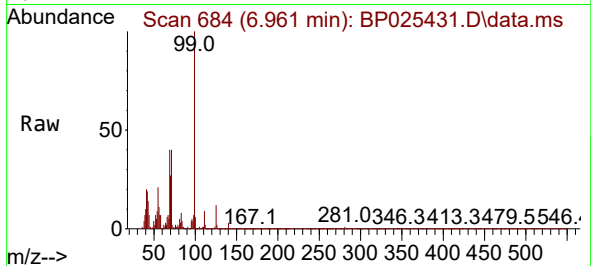
Tgt Ion:112 Resp: 50195
Ion Ratio Lower Upper
112 100
64 58.2 43.8 65.8
63 31.4 22.7 34.1





#7
Phenol-d6
Concen: 6.870 ng
RT: 6.961 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

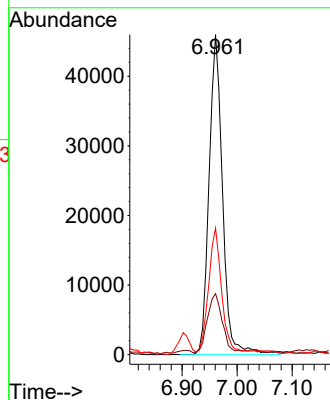
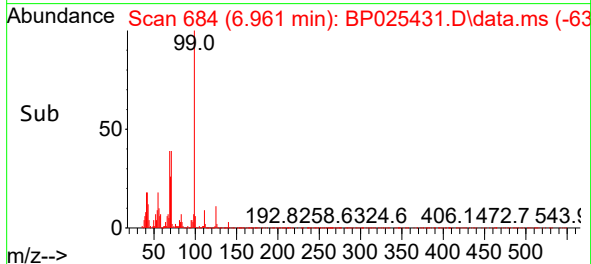
Instrument :
BNA_P
ClientSampleId :
TP-9DL



Tgt Ion: 99 Resp: 7843
Ion Ratio Lower Upper
99 100
42 19.1 13.7 20.5
71 39.6 28.2 42.4

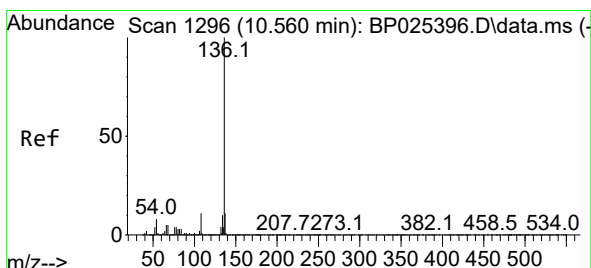
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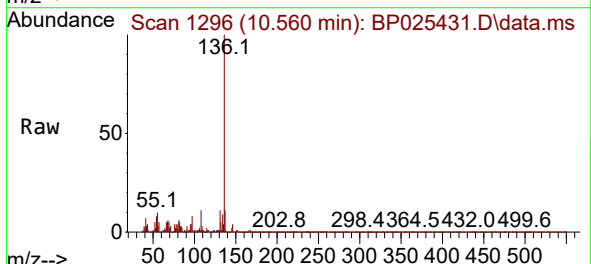


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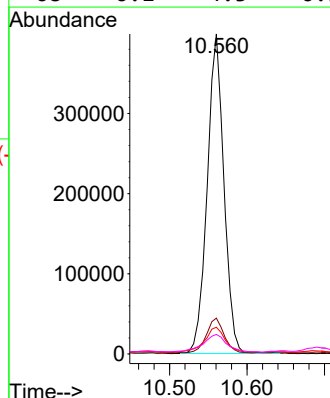
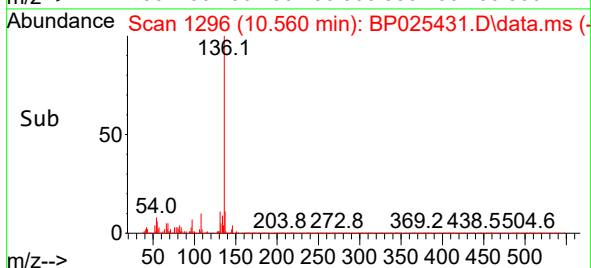
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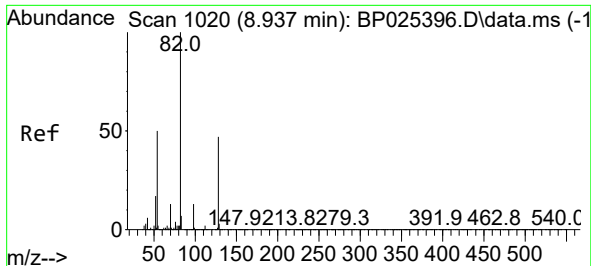


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35



Tgt Ion:136 Resp: 596109
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.3 6.0 9.0
68 6.1 4.3 6.5





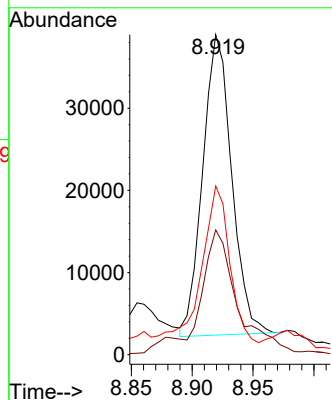
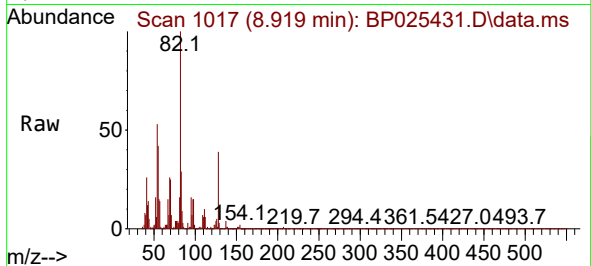
#23
Nitrobenzene-d5
Concen: 5.135 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Instrument :
BNA_P
ClientSampleId :
TP-9DL

Tgt Ion: 82 Resp: 6051
Ion Ratio Lower Upper
82 100
128 39.0 37.7 56.5
54 52.7 39.8 59.6

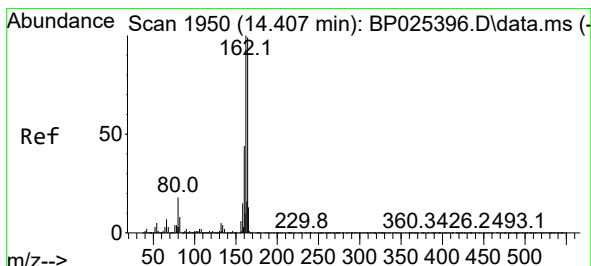
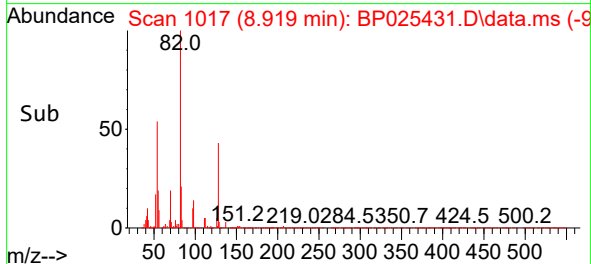
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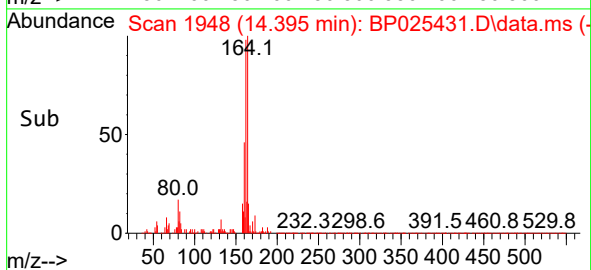
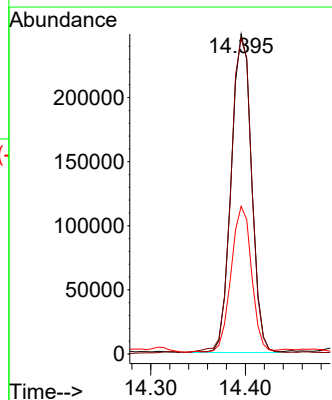
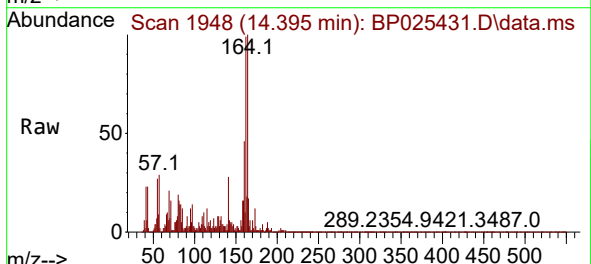
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Tgt Ion:164 Resp: 370341
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 46.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 7.752 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Instrument :

BNA_P

ClientSampleId :

TP-9DL

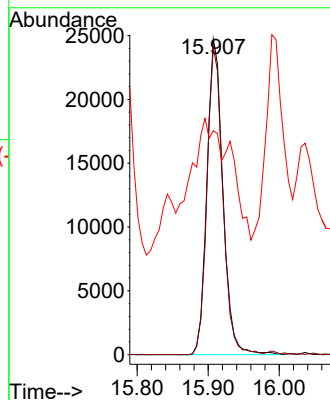
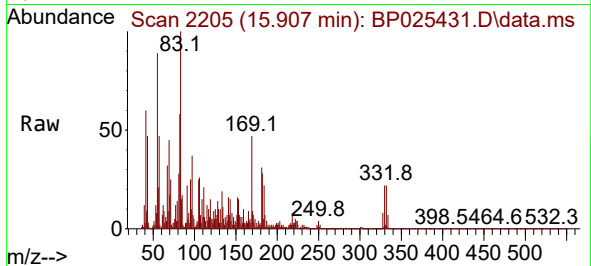
Tgt Ion:	330	Resp:	3864
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.3	115.9
141	90.7	26.6	39.8

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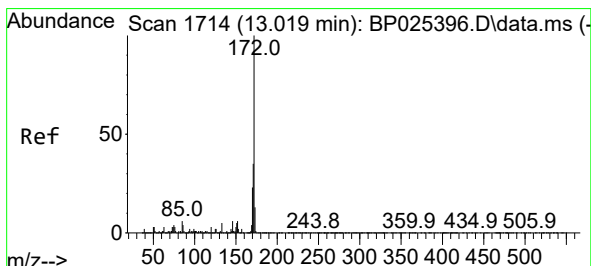
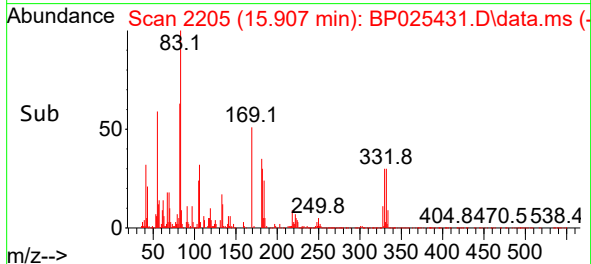
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#45

2-Fluorobiphenyl

Concen: 5.712 ng

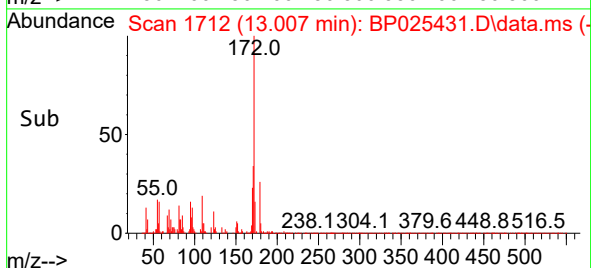
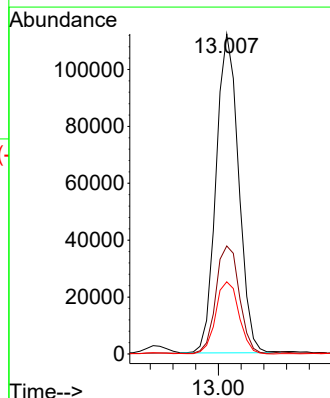
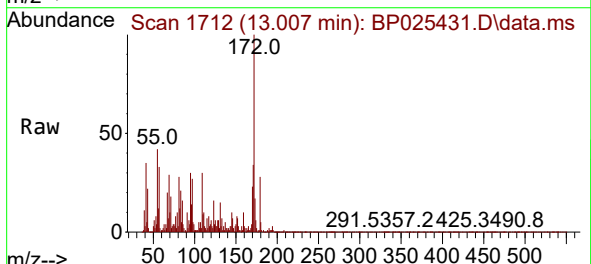
RT: 13.007 min Scan# 1712

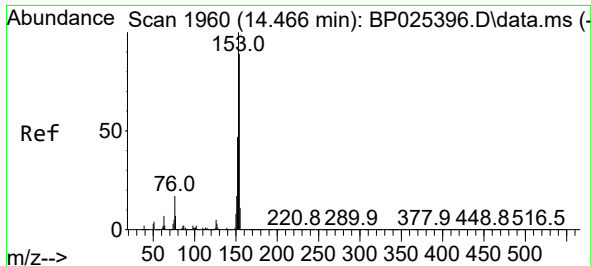
Delta R.T. -0.012 min

Lab File: BP025431.D

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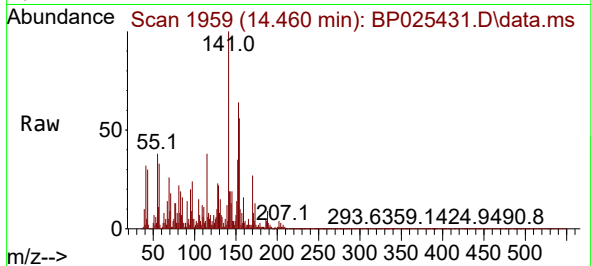
Tgt Ion:	172	Resp:	154782
Ion Ratio	Lower	Upper	
172	100		
171	33.7	28.1	42.1
170	22.5	18.6	28.0





#52
Acenaphthene
Concen: 6.110 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

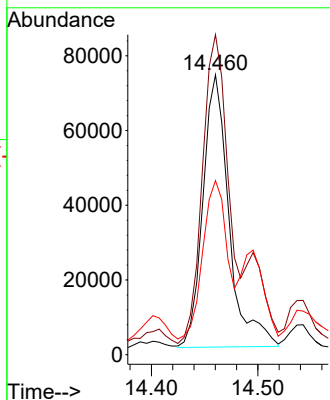
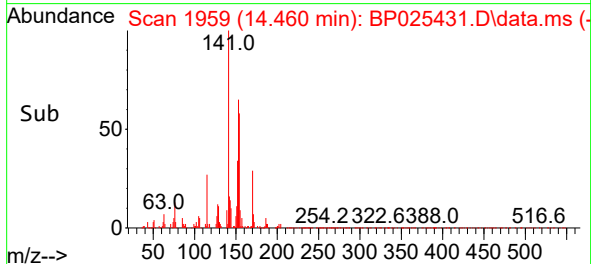
Instrument :
BNA_P
ClientSampleId :
TP-9DL



Tgt Ion:154 Resp: 12425
Ion Ratio Lower Upper
154 100
153 114.3 90.2 135.2
152 62.2 42.1 63.1

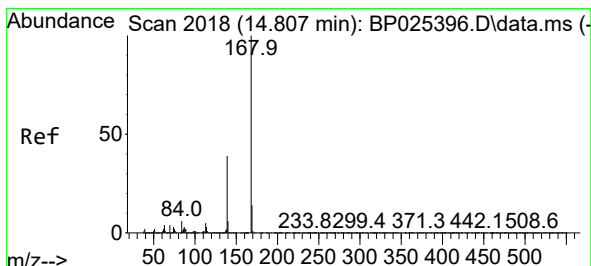
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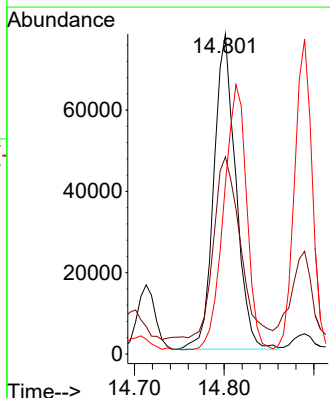
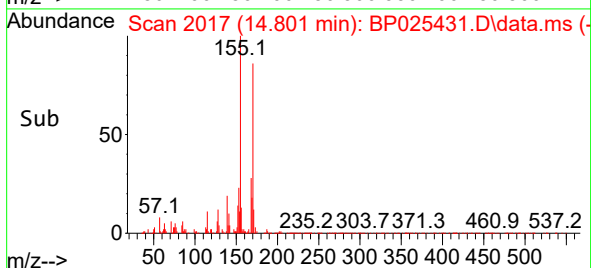
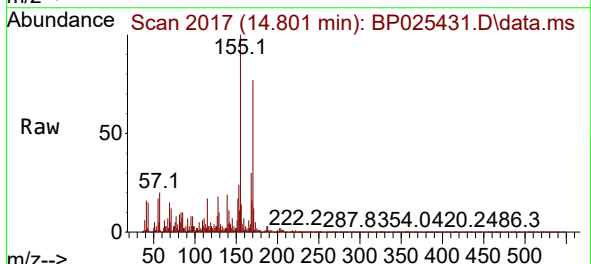
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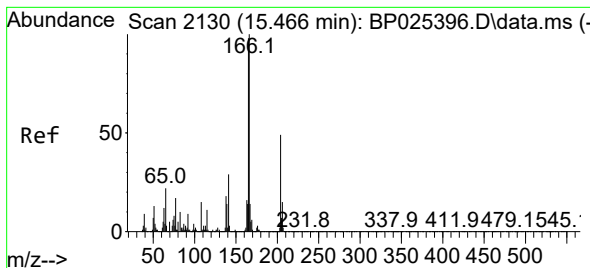
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#55
Dibenzofuran
Concen: 4.087 ng
RT: 14.801 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Tgt Ion:168 Resp: 131422
Ion Ratio Lower Upper
168 100
139 61.6 31.5 47.3#
169 53.2 10.9 16.3#





#58

Fluorene

Concen: 10.228 ng

RT: 15.466 min Scan# 2130

Delta R.T. 0.000 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Instrument :

BNA_P

ClientSampleId :

TP-9DL

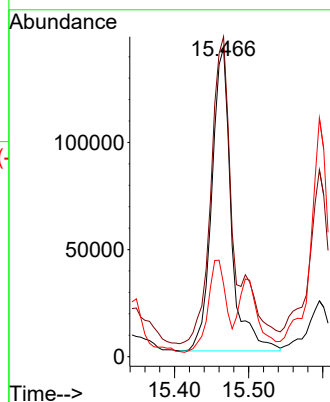
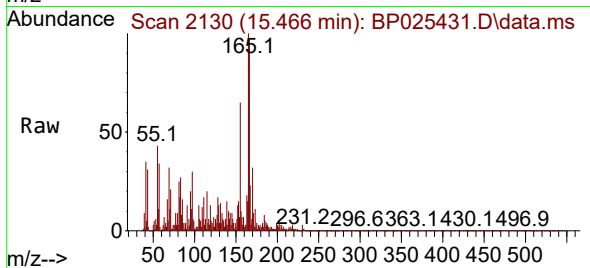
Tgt Ion:166	Resp: 25950
Ion Ratio	Lower Upper
166 100	
165 103.6	78.8 118.2
167 23.5	11.0 16.4

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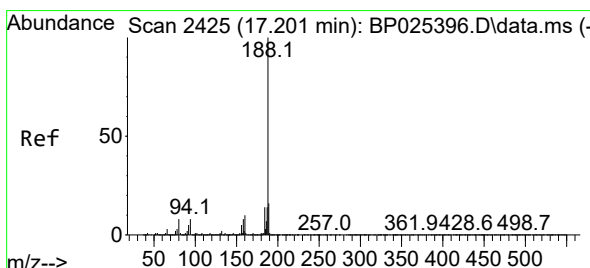
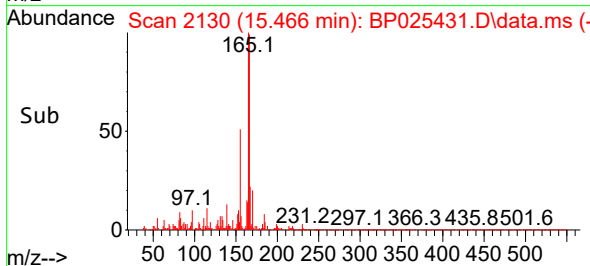
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#64

Phenanthrene-d10

Concen: 20.000 ng

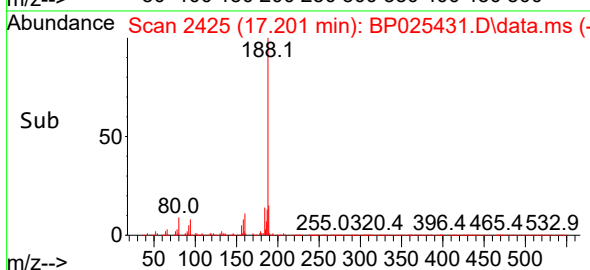
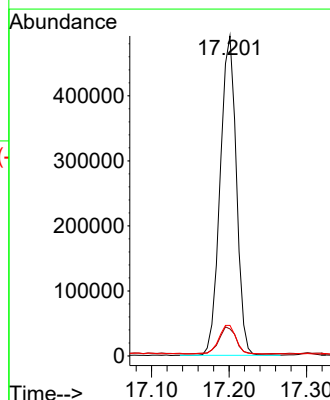
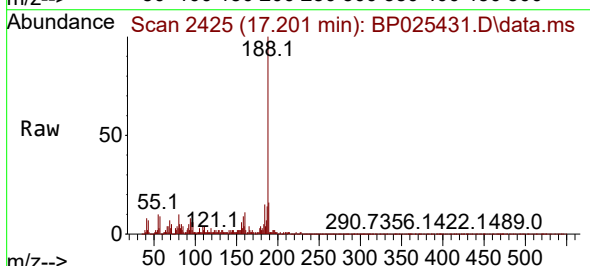
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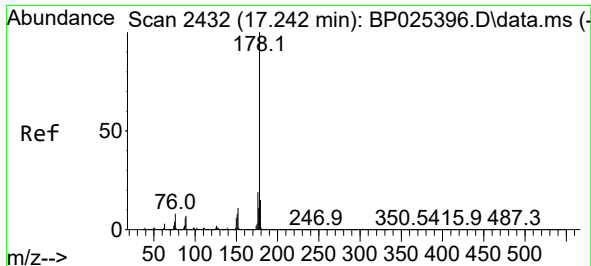
Delta R.T. 0.000 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Tgt Ion:188	Resp: 716922
Ion Ratio	Lower Upper
188 100	
94 8.5	6.6 10.0
80 9.6	6.7 10.1





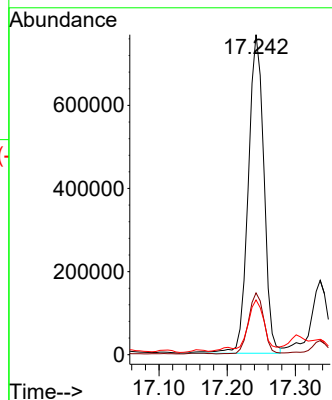
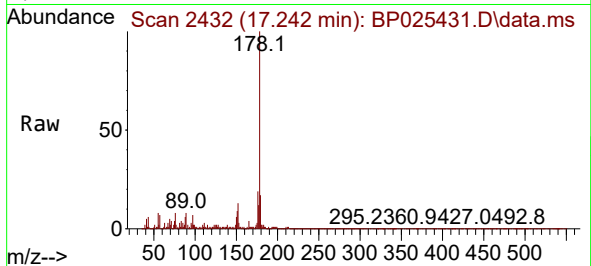
#71
Phenanthrene
Concen: 30.866 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Instrument :
BNA_P
ClientSampleId :
TP-9DL

Tgt Ion:178 Resp: 1215600
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 17.1 12.2 18.4

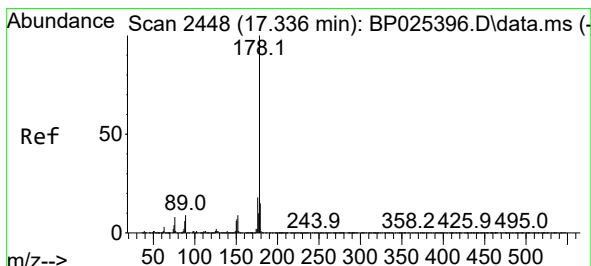
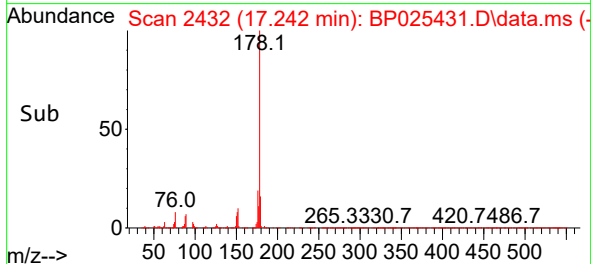
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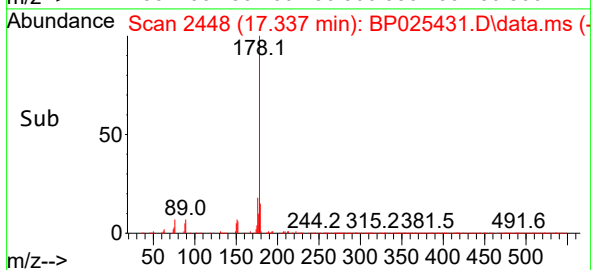
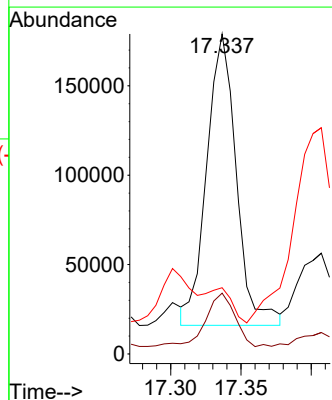
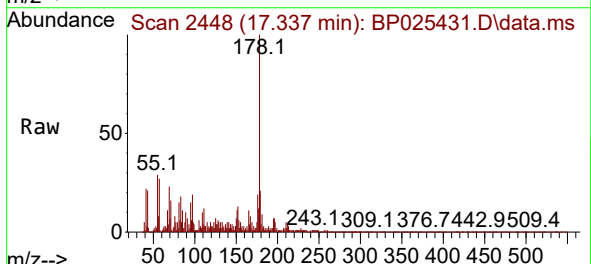
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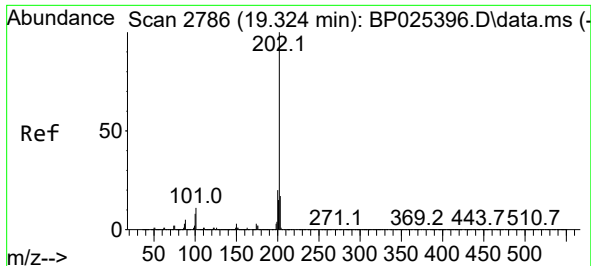
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#72
Anthracene
Concen: 5.943 ng m
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

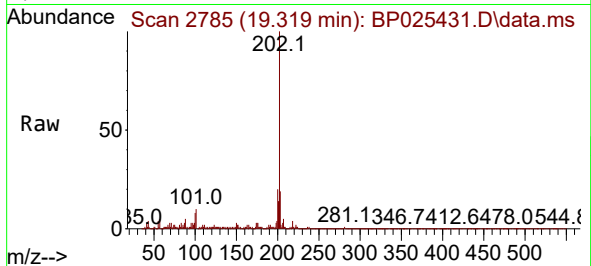
Tgt Ion:178 Resp: 238995
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 20.7 12.2 18.2#





#75
Fluoranthene
Concen: 18.685 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

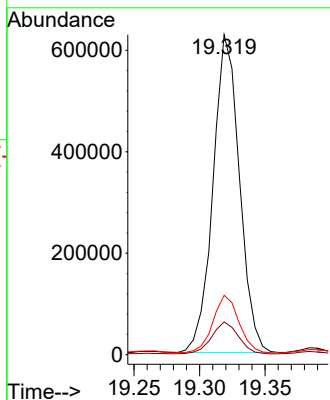
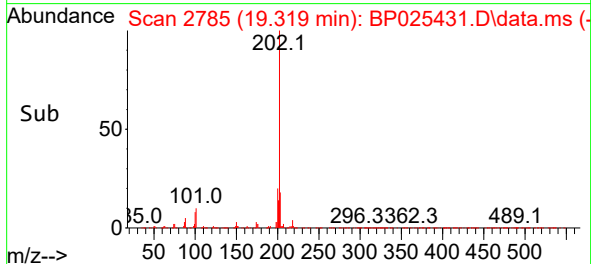
Instrument :
BNA_P
ClientSampleId :
TP-9DL



Tgt Ion:202 Resp: 877784
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 18.6 0.0 37.3

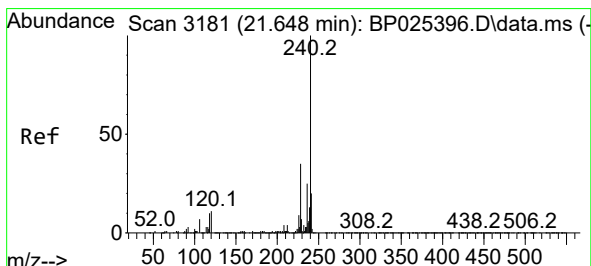
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Supervised By :Jagrut Upadhyay 08/18/2025



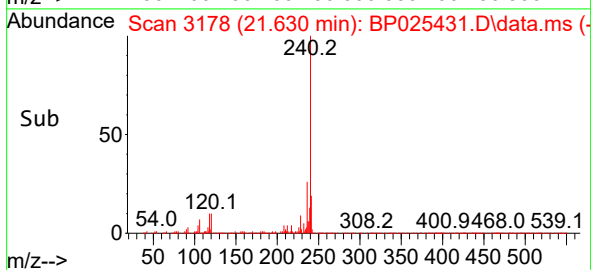
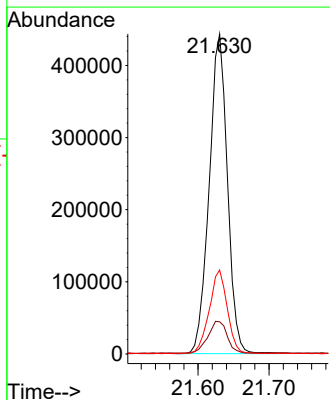
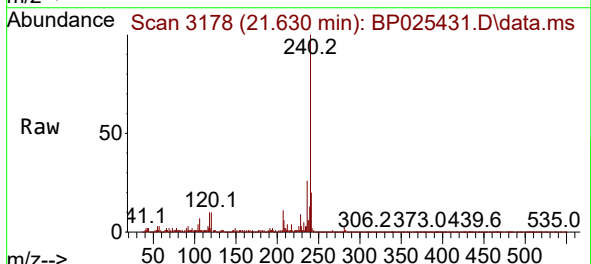
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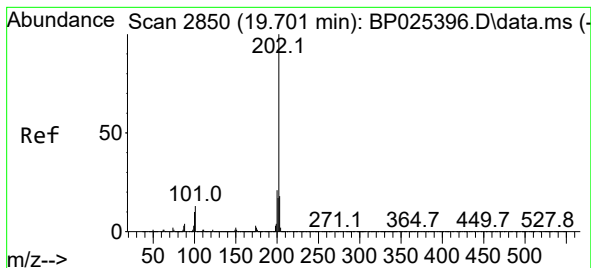
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Tgt Ion:240 Resp: 788413
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 26.2 19.8 29.8





#78

Pyrene

Concen: 17.042 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Instrument :

BNA_P

ClientSampleId :

TP-9DL

Tgt Ion:202 Resp: 87329

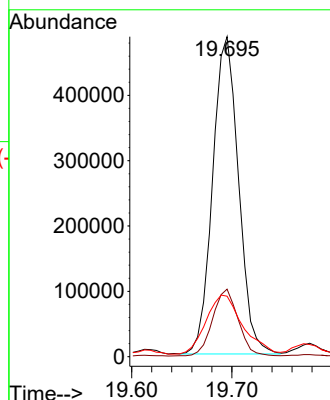
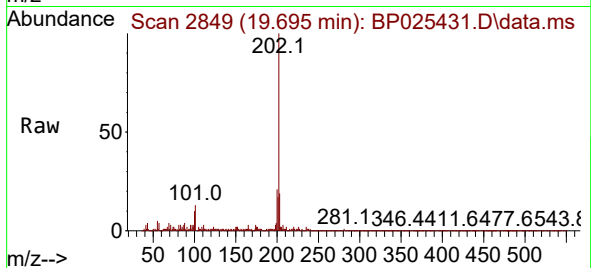
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	18.9	14.2	21.2

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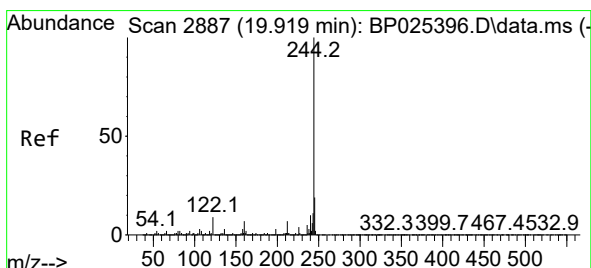
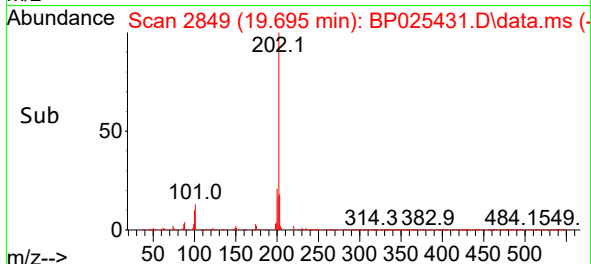
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#79

Terphenyl-d14

Concen: 5.685 ng

RT: 19.913 min Scan# 2886

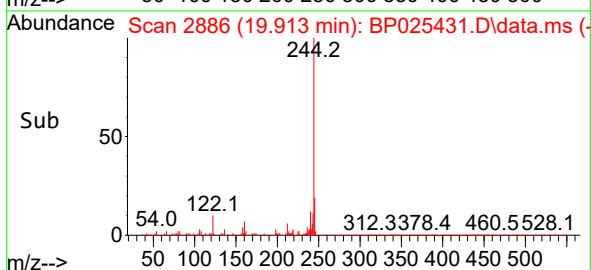
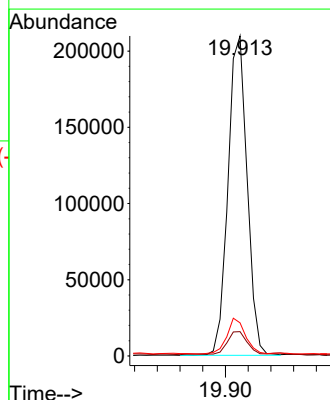
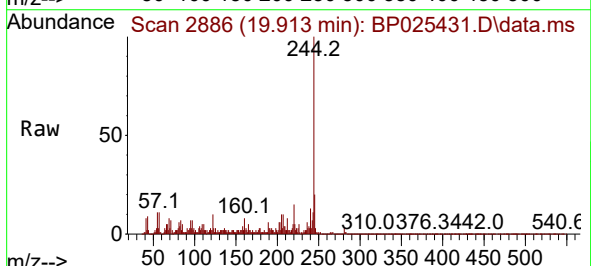
Delta R.T. -0.006 min

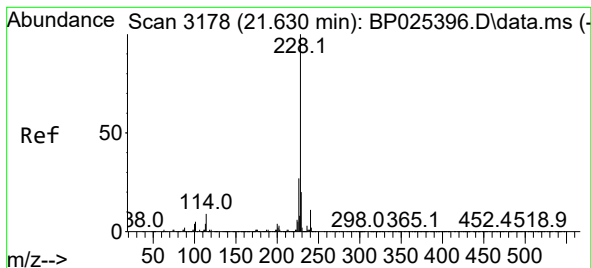
Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Tgt Ion:244 Resp: 244969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.3	7.4	11.2





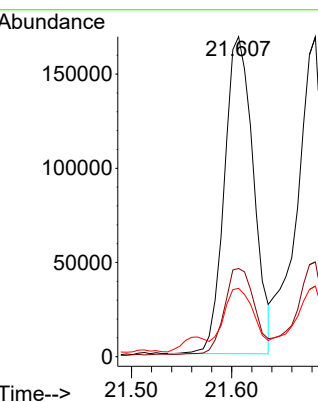
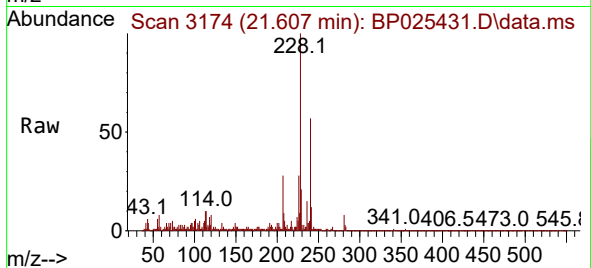
#81
Benzo(a)anthracene
Concen: 6.519 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.023 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Instrument :
BNA_P
ClientSampleId :
TP-9DL

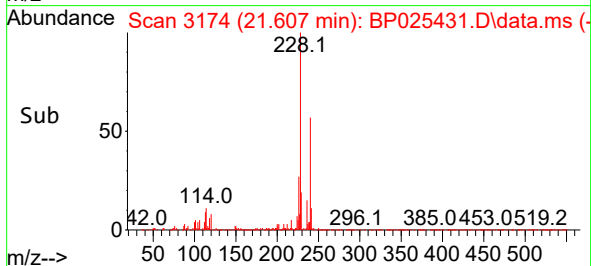
Tgt Ion:228 Resp: 338938
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 21.3 15.6 23.4

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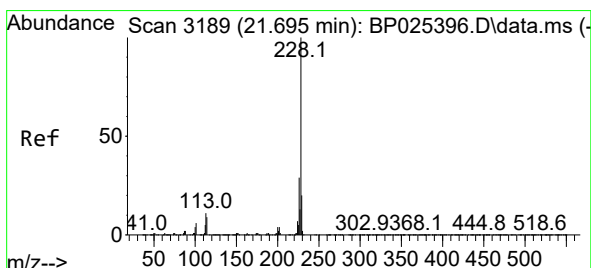
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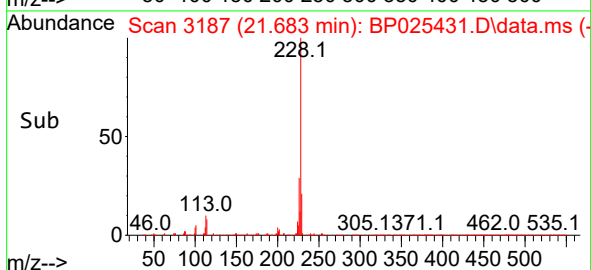
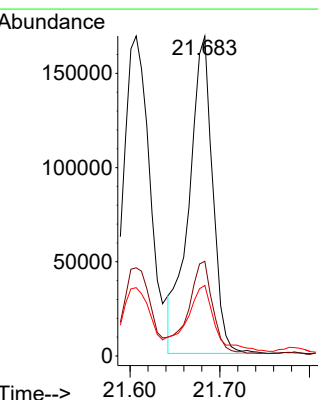
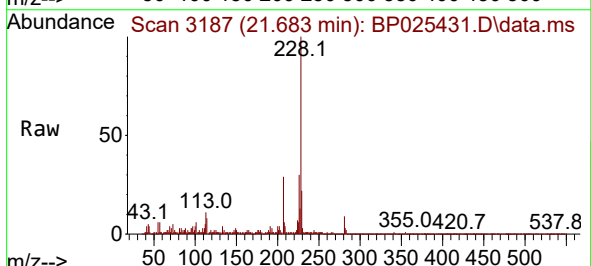


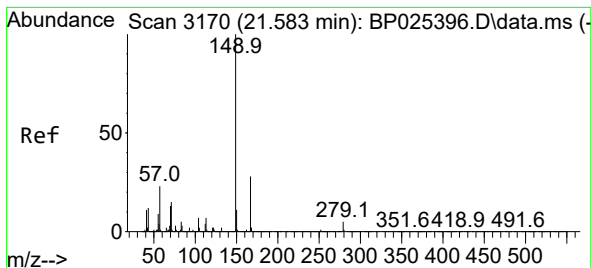
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#83
Chrysene
Concen: 6.362 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

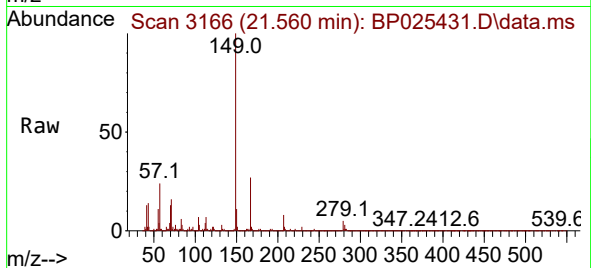
Tgt Ion:228 Resp: 309802
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 22.1 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 25.571 ng
RT: 21.560 min Scan# 3170
Delta R.T. -0.023 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

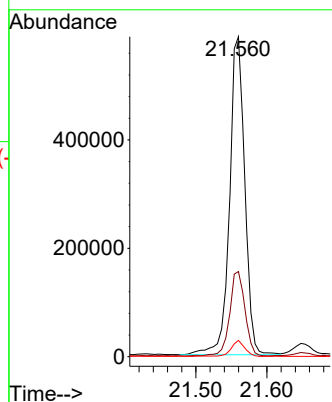
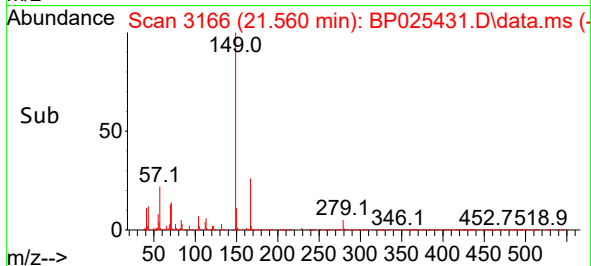
Instrument :
BNA_P
ClientSampleId :
TP-9DL



Tgt Ion:149 Resp: 874200
Ion Ratio Lower Upper
149 100
167 26.6 22.1 33.1
279 5.1 3.8 5.6

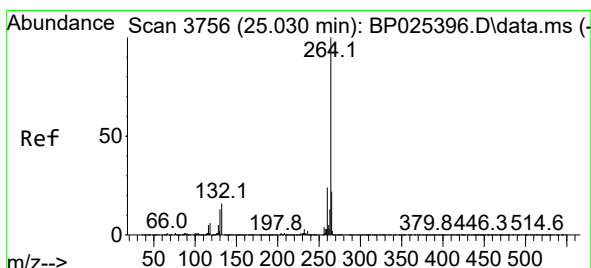
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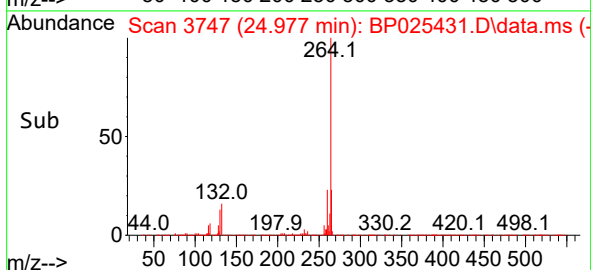
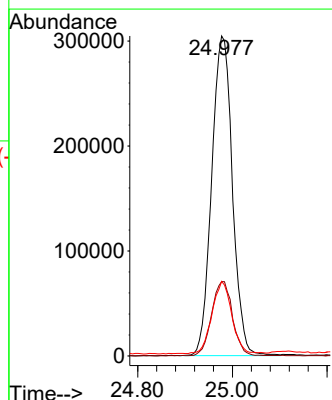
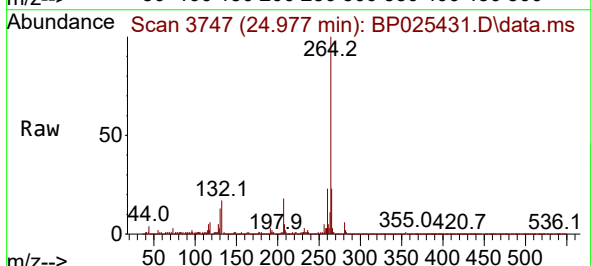
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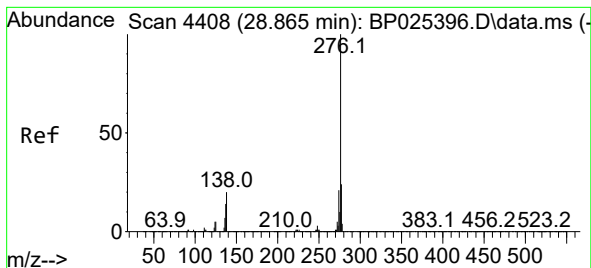
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.053 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Tgt Ion:264 Resp: 924452
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 23.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.451 ng

RT: 28.783 min Scan# 41

Delta R.T. -0.082 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

Instrument :

BNA_P

ClientSampleId :

TP-9DL

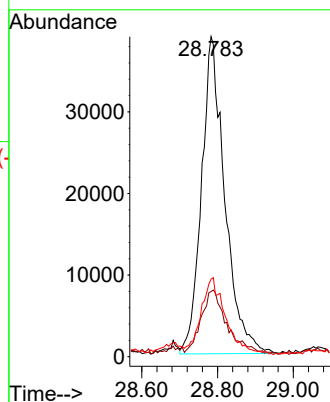
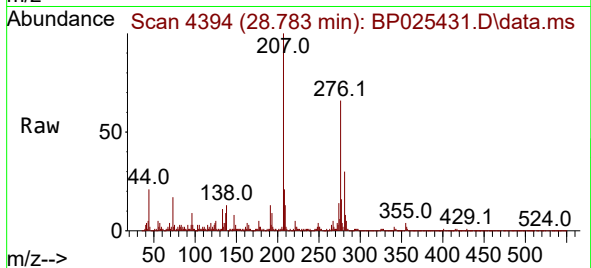
Tgt Ion:276 Resp: 166185
 Ion Ratio Lower Upper
 276 100
 138 21.2 12.9 19.3
 277 25.9 17.0 25.6

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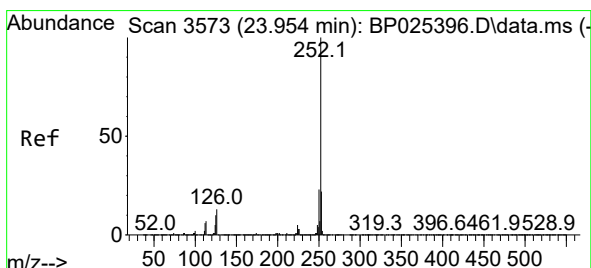
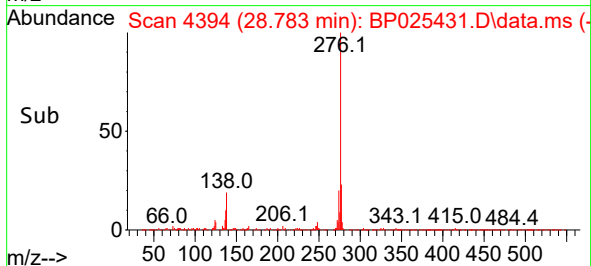
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#88

Benzo(b)fluoranthene

Concen: 6.199 ng m

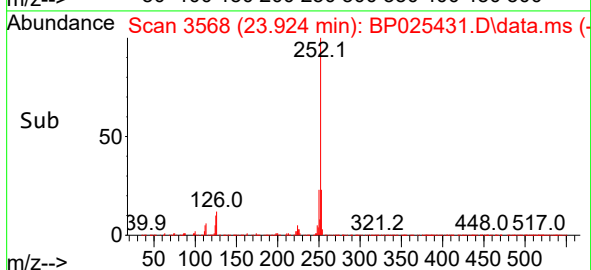
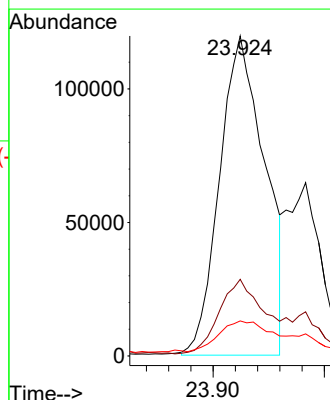
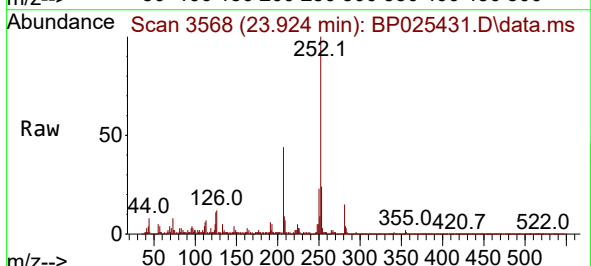
RT: 23.924 min Scan# 3568

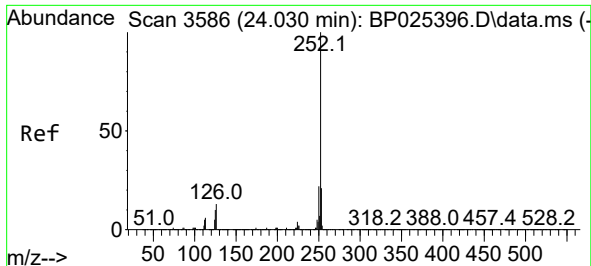
Delta R.T. -0.029 min

Lab File: BP025431.D

Acq: 15 Aug 2025 17:35

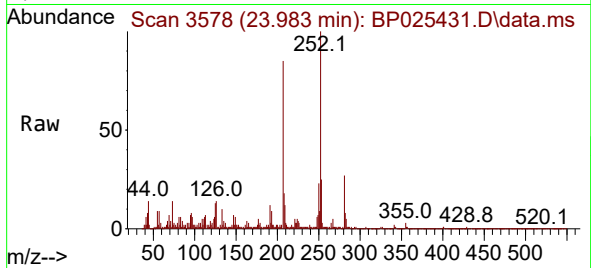
Tgt Ion:252 Resp: 337916
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.7 26.5
 125 10.9 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 2.530 ng m
RT: 23.983 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

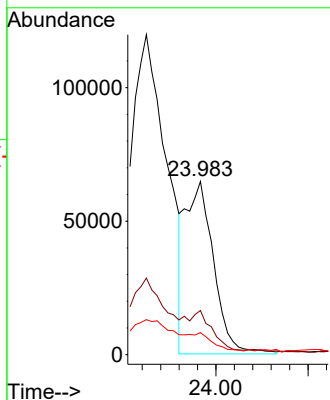
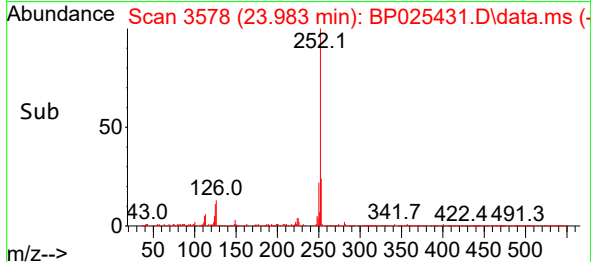
Instrument :
BNA_P
ClientSampleId :
TP-9DL



Tgt Ion:252 Resp: 138000
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 12.8 7.8 11.6

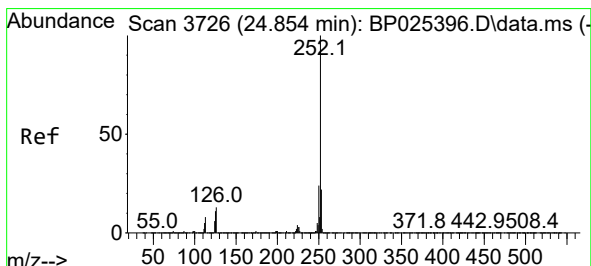
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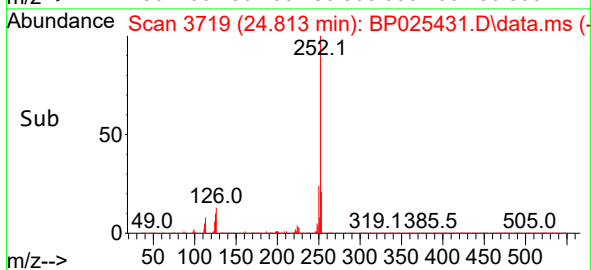
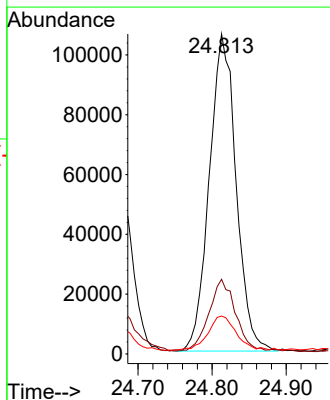
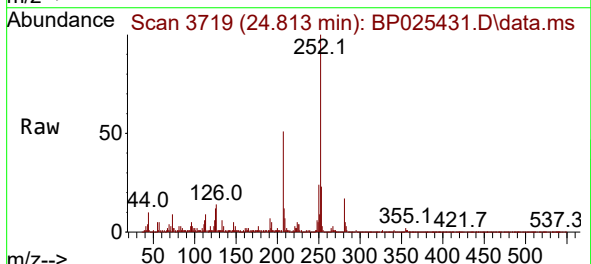
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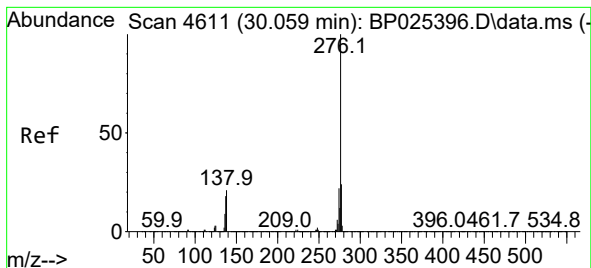
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#90
Benzo(a)pyrene
Concen: 5.008 ng
RT: 24.813 min Scan# 3719
Delta R.T. -0.041 min
Lab File: BP025431.D
Acq: 15 Aug 2025 17:35

Tgt Ion:252 Resp: 265729
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.8 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 3.006 ng

RT: 29.971 min Scan# 4596

Delta R.T. -0.088 min

Lab File: BP025431.D

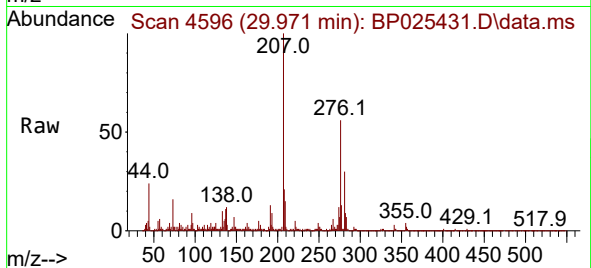
Acq: 15 Aug 2025 17:35

Instrument :

BNA_P

ClientSampleId :

TP-9DL



Tgt Ion:276 Resp: 163710

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.0

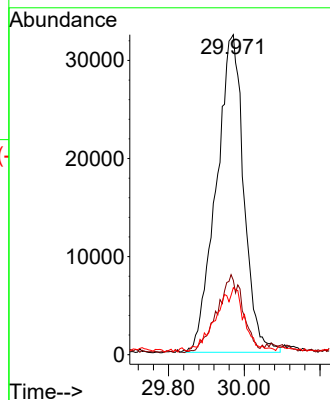
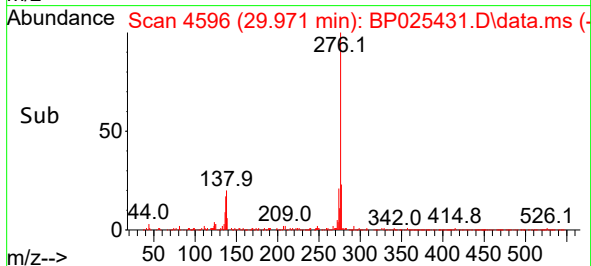
138 27.2 16.7 25.1

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