

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025444.D
 Acq On : 16 Aug 2025 04:00
 Operator : CG/JU
 Sample : Q2836-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A2-17-C

Quant Time: Aug 18 01:40:30 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)

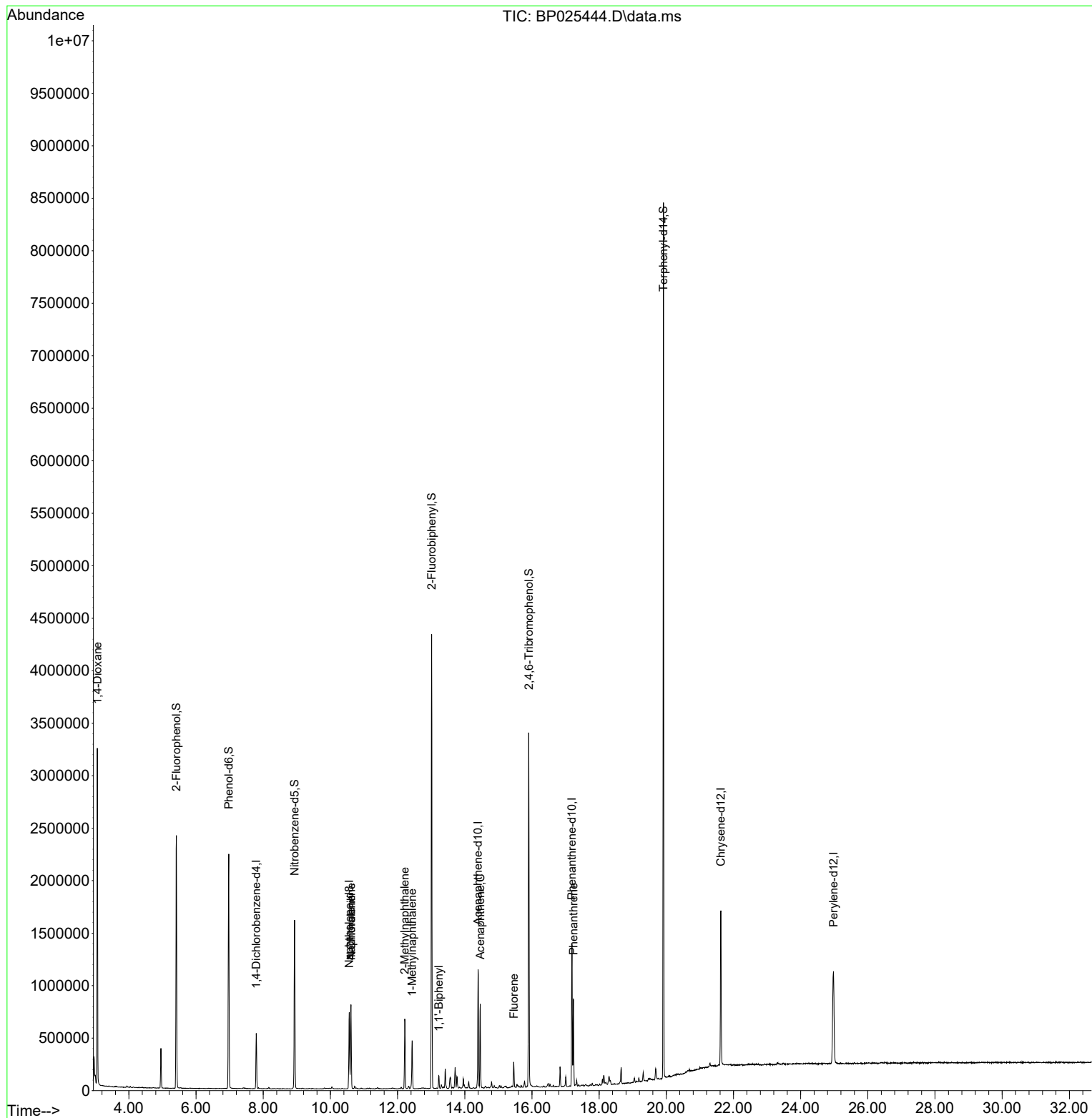
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	147250	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	600452	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	395006	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	827338	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	881184	20.000	ng	-0.02
86) Perylene-d12	24.977	264	984410	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1036734	116.924	ng	0.00
7) Phenol-d6	6.972	99	1257270	110.598	ng	0.00
23) Nitrobenzene-d5	8.931	82	916025	77.171	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	664149	124.915	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2060831	71.303	ng	0.00
79) Terphenyl-d14	19.913	244	3564458	74.008	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.061	88	20462	5.892	ng	# 1
31) Naphthalene	10.613	128	665612	21.328	ng	99
33) 4-Chloroaniline	10.613	127	85485	6.201	ng	# 32
37) 2-Methylnaphthalene	12.213	142	311560	15.340	ng	98
38) 1-Methylnaphthalene	12.437	142	215746	9.989	ng	98
46) 1,1'-Biphenyl	13.231	154	64403	2.245	ng	98
52) Acenaphthene	14.460	154	268677	12.386	ng	100
58) Fluorene	15.460	166	105209	3.888	ng	95
71) Phenanthrene	17.236	178	525200	11.556	ng	100

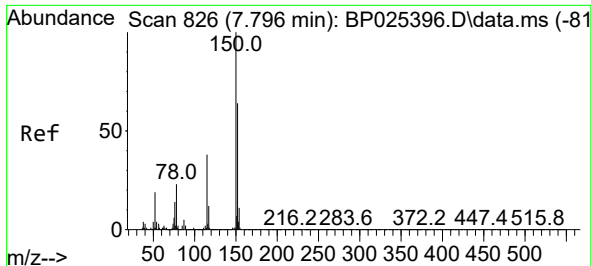
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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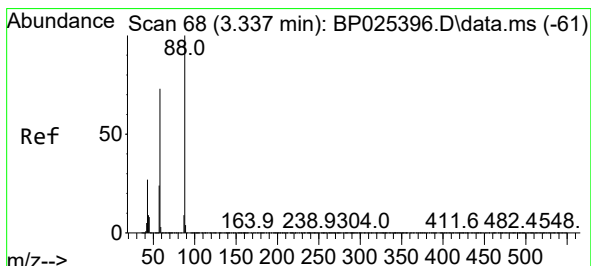
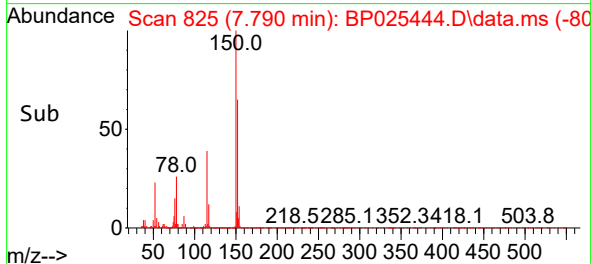
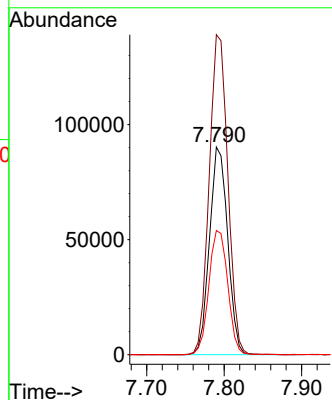
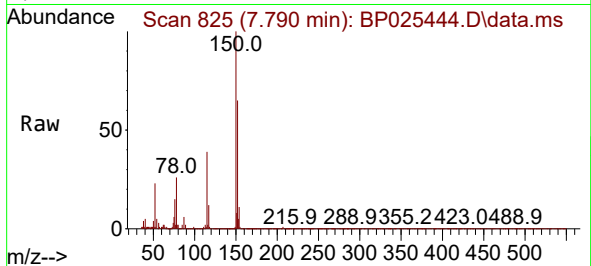




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025444.D
 Acq: 16 Aug 2025 04:00

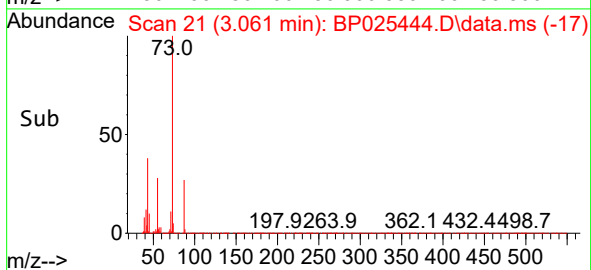
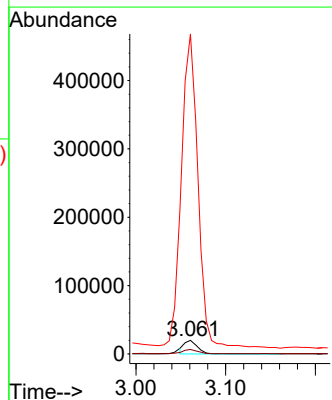
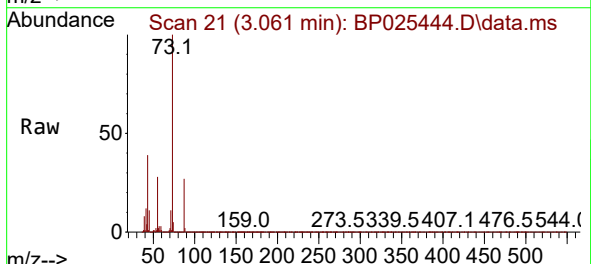
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 BNA_P
 ClientSampleId :
 WC-A2-17-C

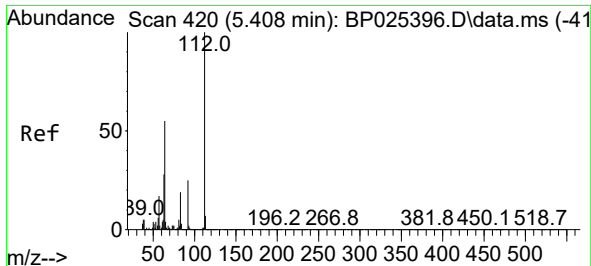
Tgt Ion:152 Resp: 147250
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.9 188.9
 115 59.8 48.5 72.7



#2
 1,4-Dioxane
 Concen: 5.892 ng
 RT: 3.061 min Scan# 21
 Delta R.T. -0.276 min
 Lab File: BP025444.D
 Acq: 16 Aug 2025 04:00

Tgt Ion: 88 Resp: 20462
 Ion Ratio Lower Upper
 88 100
 58 31.4 59.2 88.8#
 43 2439.1 21.7 32.5#

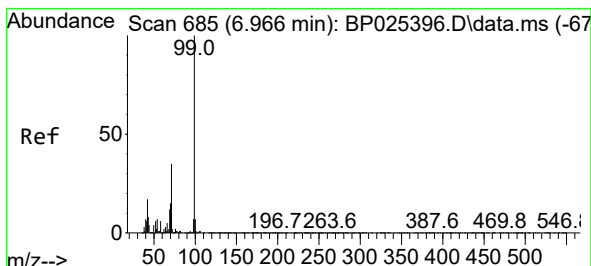
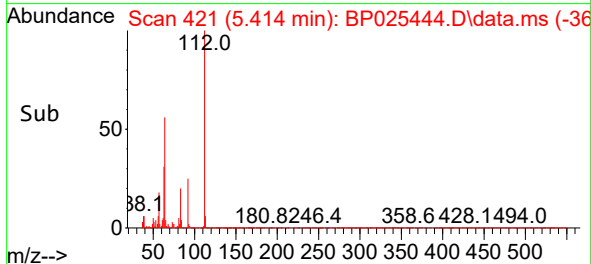
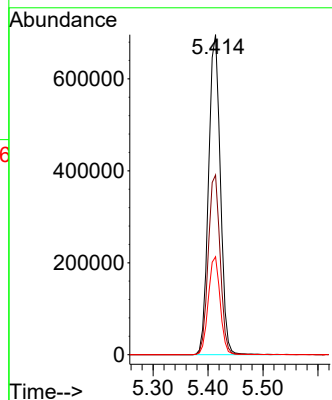
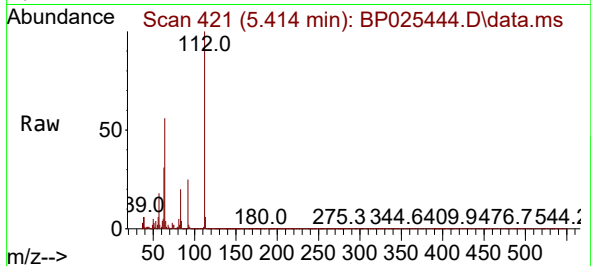




#5
2-Fluorophenol
Concen: 116.924 ng
RT: 5.414 min Scan# 41
Delta R.T. 0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

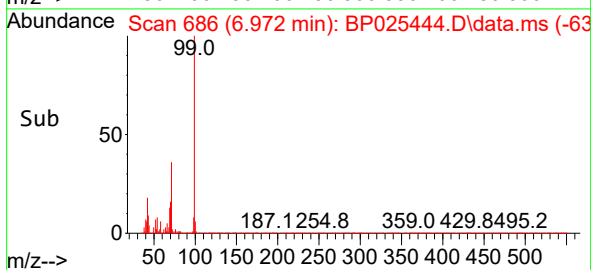
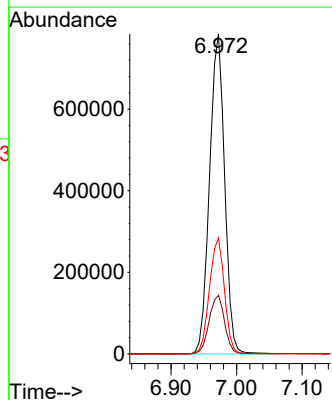
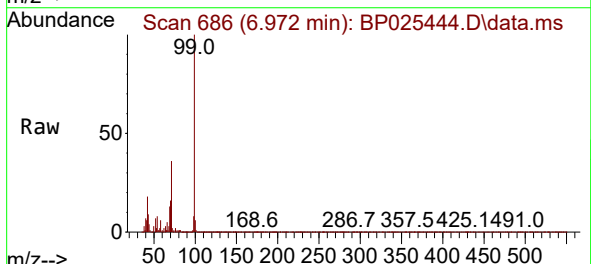
Instrument :
BNA_P
ClientSampleId :
WC-A2-17-C

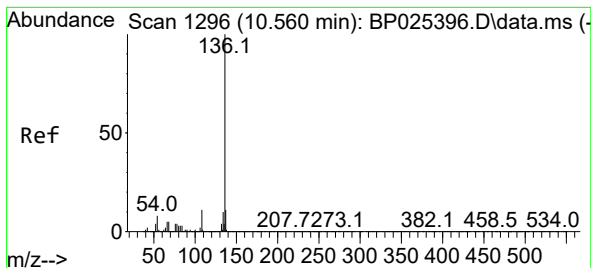
Tgt Ion:112 Resp: 1036734
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 30.6 22.7 34.1



#7
Phenol-d6
Concen: 110.598 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion: 99 Resp: 1257270
Ion Ratio Lower Upper
99 100
42 18.4 13.7 20.5
71 36.3 28.2 42.4

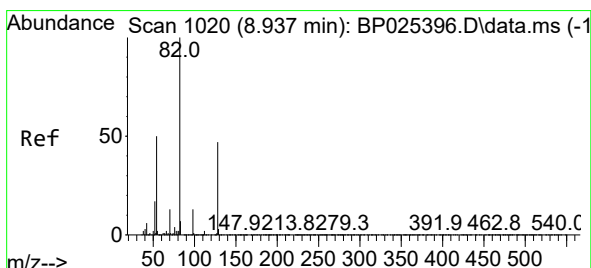
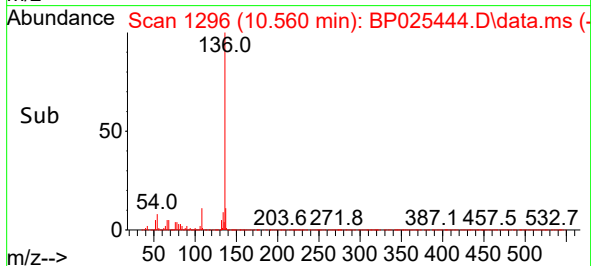
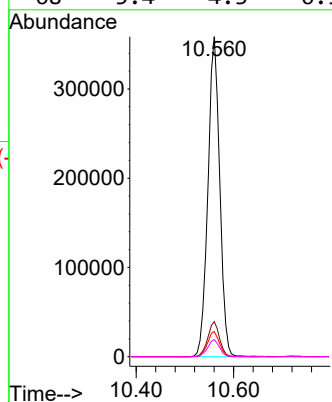
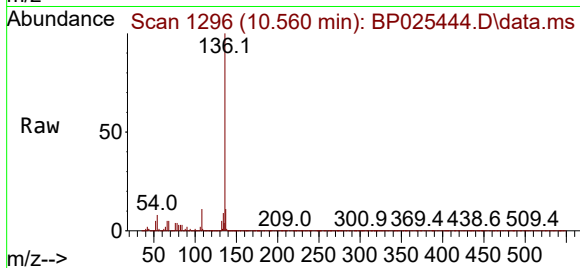




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

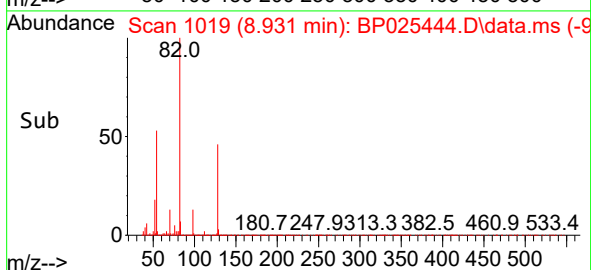
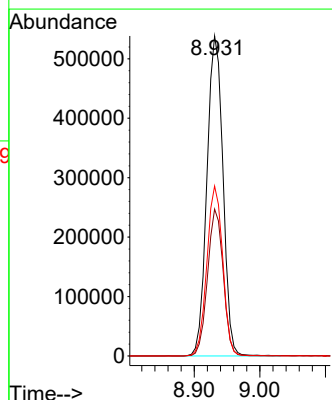
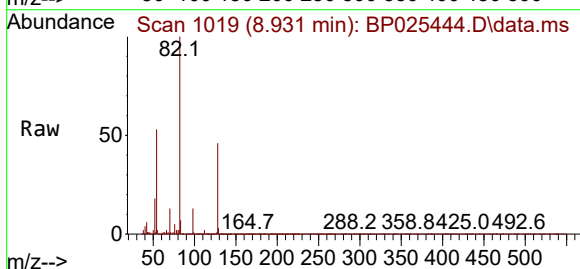
Instrument :
BNA_P
ClientSampleId :
WC-A2-17-C

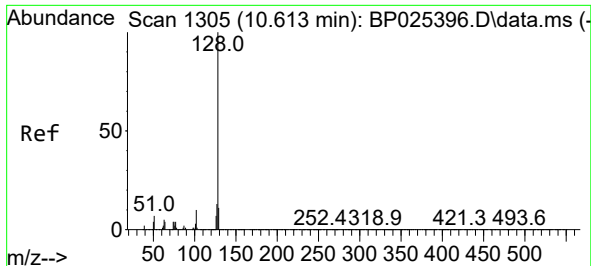
Tgt Ion:	136	Resp:	600452
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.4	4.3	6.5



#23
Nitrobenzene-d5
Concen: 77.171 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion:	82	Resp:	916025
Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.7	56.5
54	53.1	39.8	59.6

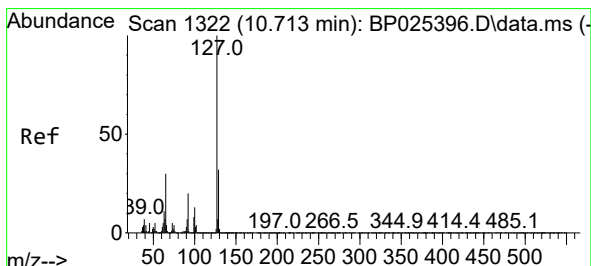
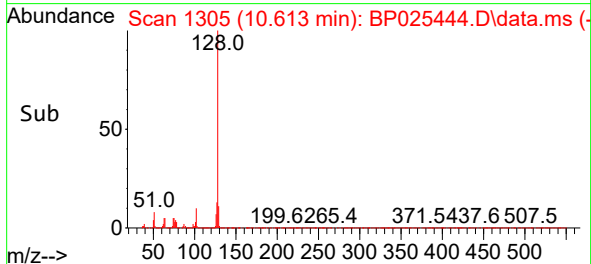
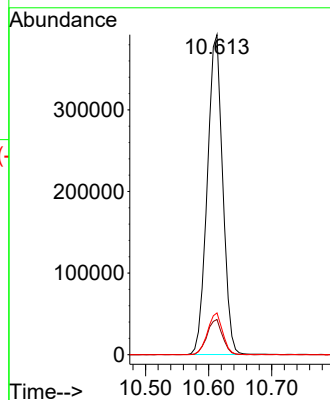
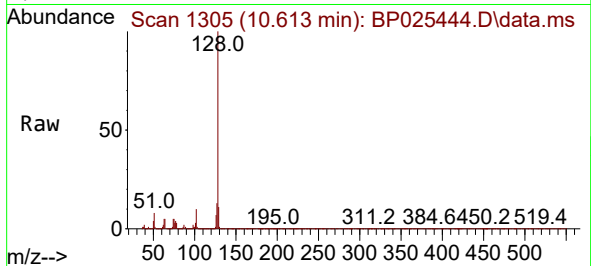




#31
Naphthalene
Concen: 21.328 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

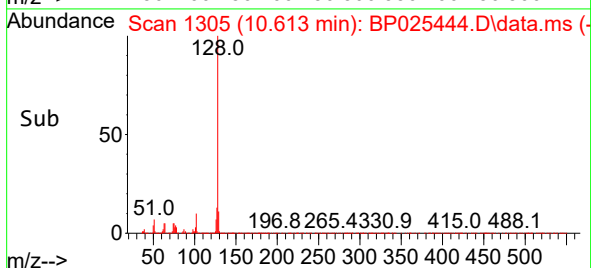
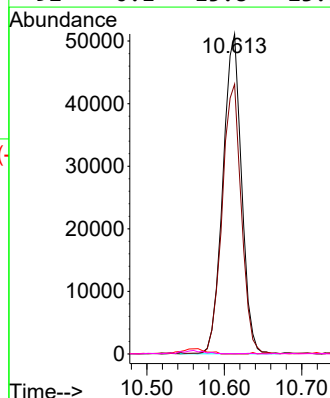
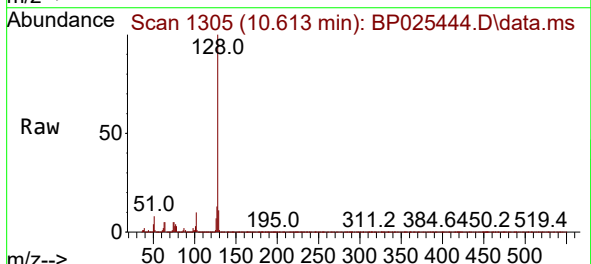
Instrument :
BNA_P
ClientSampleId :
WC-A2-17-C

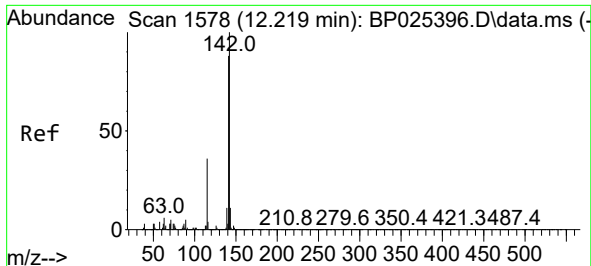
Tgt Ion:128 Resp: 665612
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.7 16.1



#33
4-Chloroaniline
Concen: 6.201 ng
RT: 10.613 min Scan# 1305
Delta R.T. -0.100 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion:127 Resp: 85485
Ion Ratio Lower Upper
127 100
129 84.3 25.4 38.2#
65 0.0 23.8 35.6#
92 0.1 15.8 23.8#

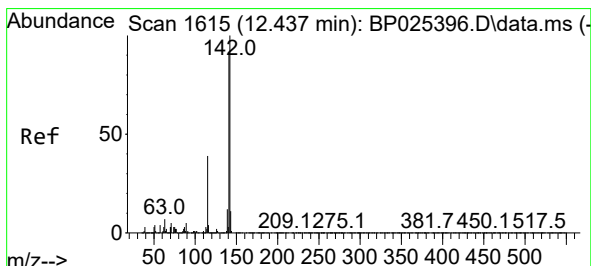
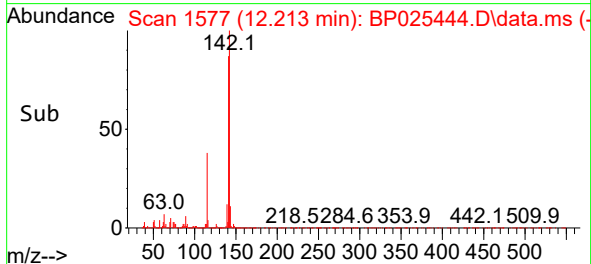
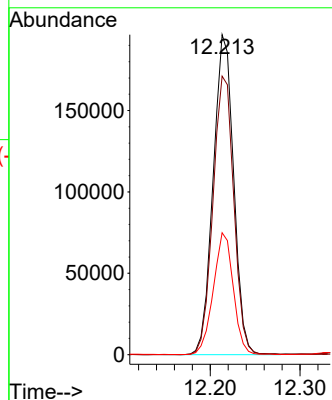
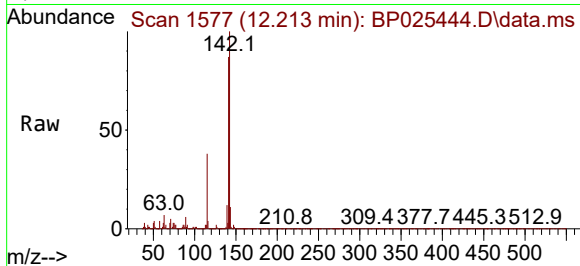




#37
2-Methylnaphthalene
Concen: 15.340 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

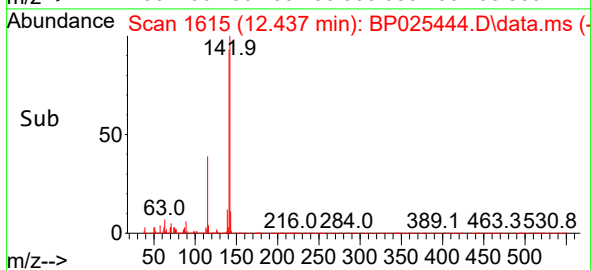
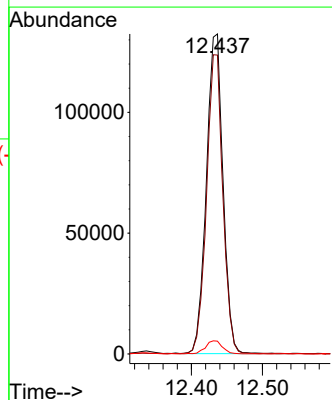
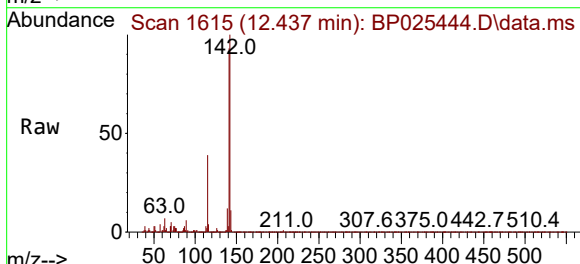
Instrument :
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ClientSampleId :
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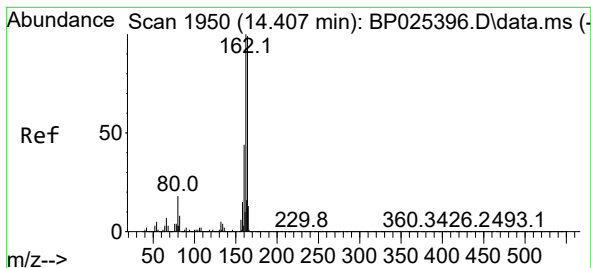
Tgt Ion:142 Resp: 311560
Ion Ratio Lower Upper
142 100
141 87.0 70.3 105.5
115 38.1 28.9 43.3



#38
1-Methylnaphthalene
Concen: 9.989 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion:142 Resp: 215746
Ion Ratio Lower Upper
142 100
141 93.4 73.1 109.7
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

Instrument :

BNA_P

ClientSampleId :

WC-A2-17-C

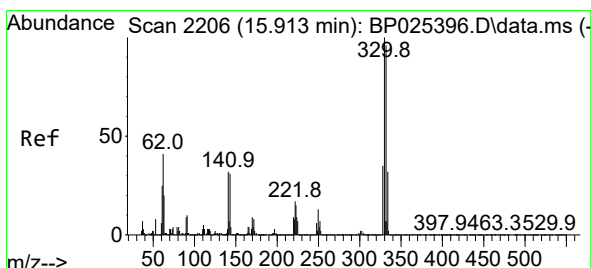
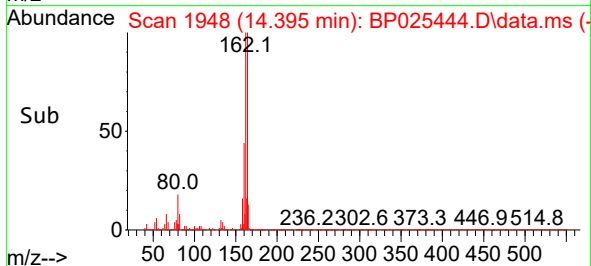
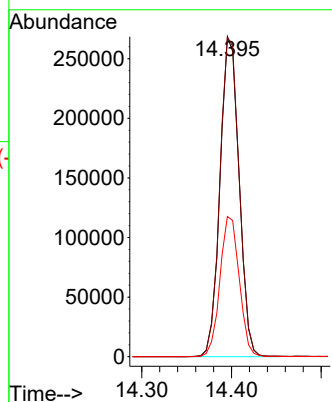
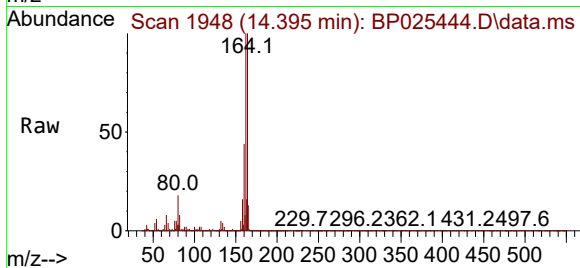
Tgt Ion:164 Resp: 395006

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.6

160 43.8 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 124.915 ng

RT: 15.907 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

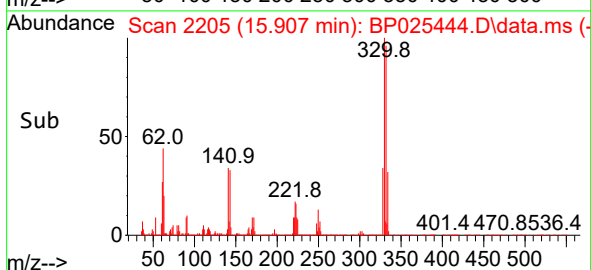
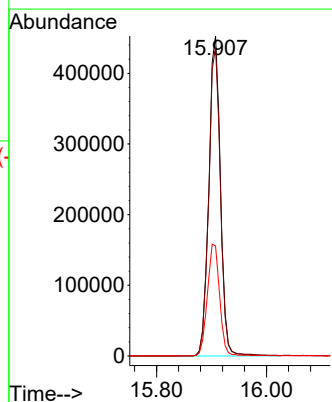
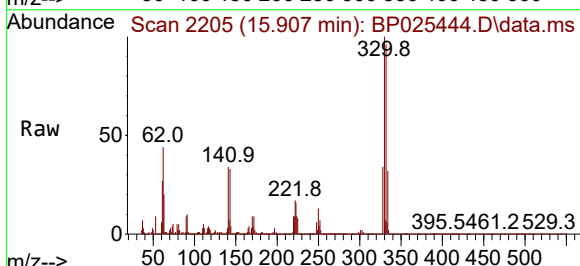
Tgt Ion:330 Resp: 664149

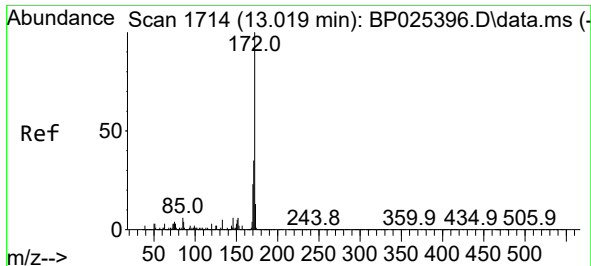
Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 36.6 26.6 39.8

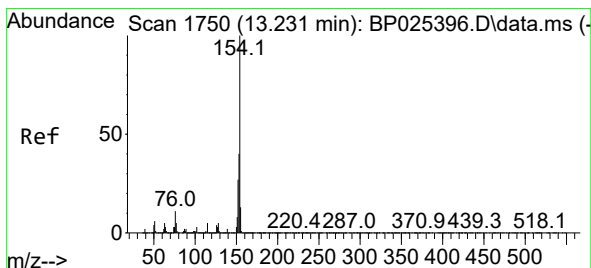
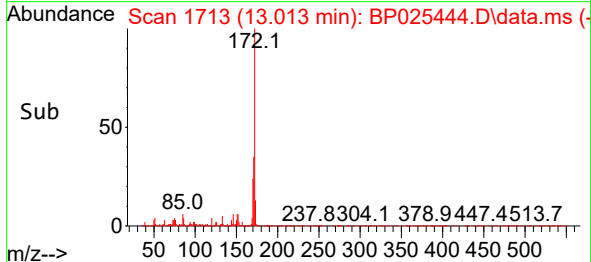
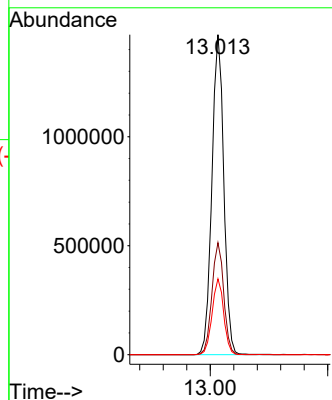
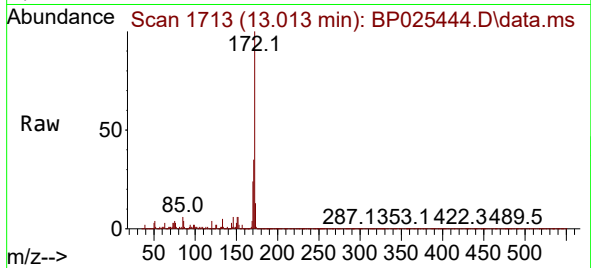




#45
2-Fluorobiphenyl
Concen: 71.303 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

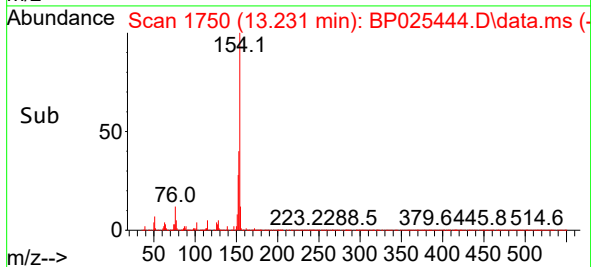
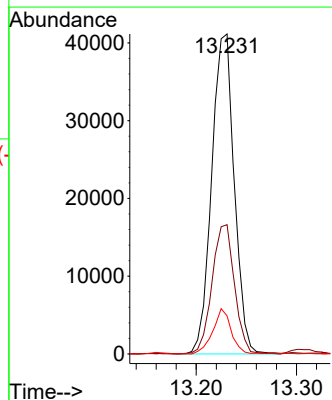
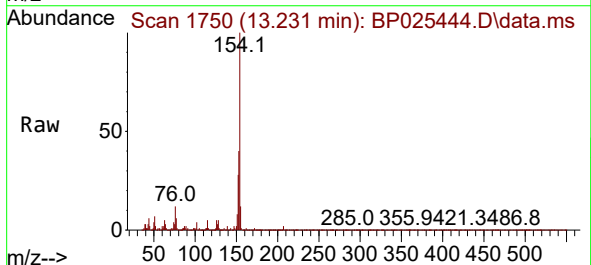
Instrument :
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WC-A2-17-C

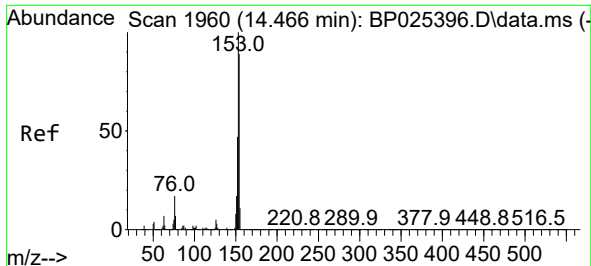
Tgt Ion:172 Resp: 2060831
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.7 18.6 28.0



#46
1,1'-Biphenyl
Concen: 2.245 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion:154 Resp: 64403
Ion Ratio Lower Upper
154 100
153 40.4 19.5 59.5
76 11.9 0.0 31.1

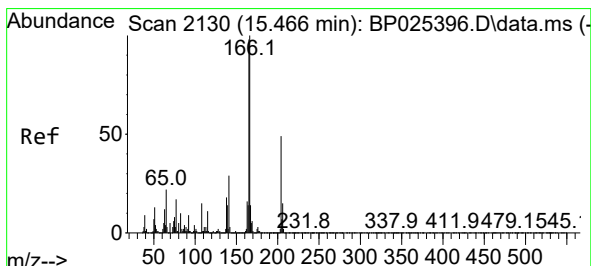
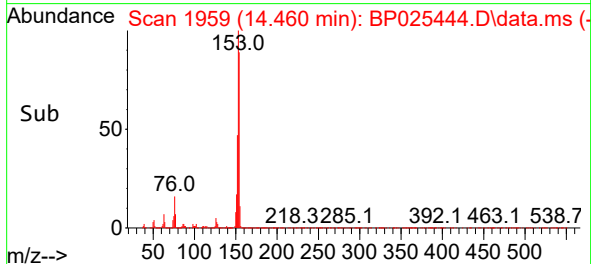
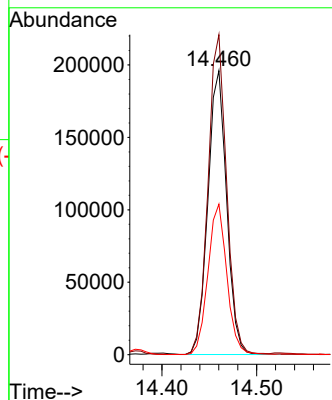
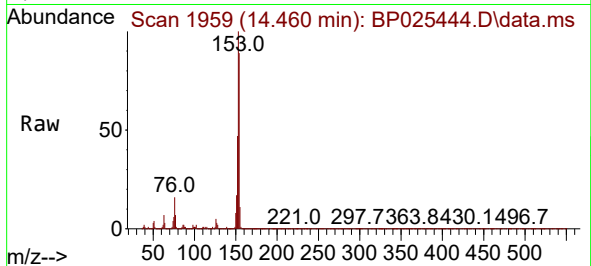




#52
Acenaphthene
Concen: 12.386 ng
RT: 14.460 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

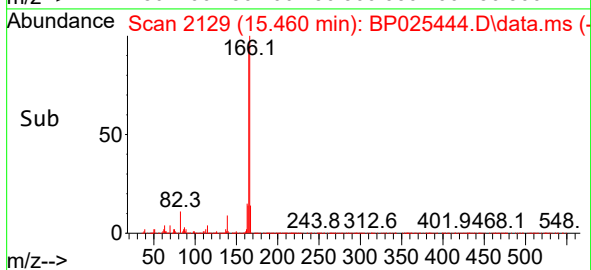
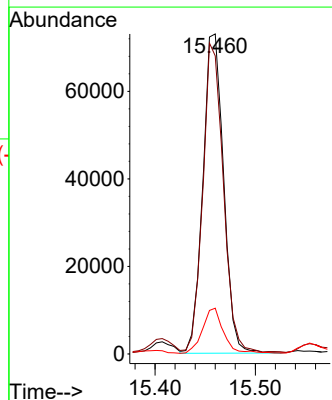
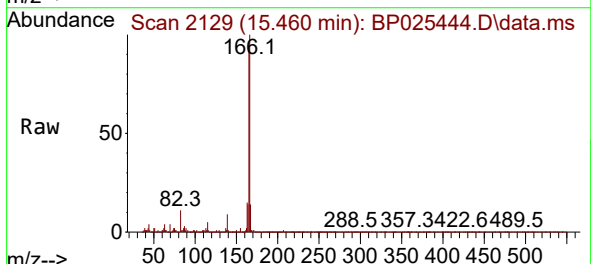
Instrument :
BNA_P
ClientSampleId :
WC-A2-17-C

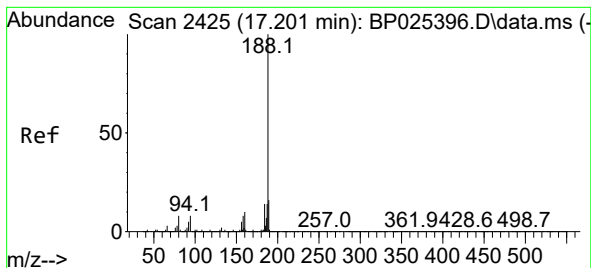
Tgt Ion:154 Resp: 268677
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 53.0 42.1 63.1



#58
Fluorene
Concen: 3.888 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Tgt Ion:166 Resp: 105209
Ion Ratio Lower Upper
166 100
165 93.2 78.8 118.2
167 14.3 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

Instrument :

BNA_P

ClientSampleId :

WC-A2-17-C

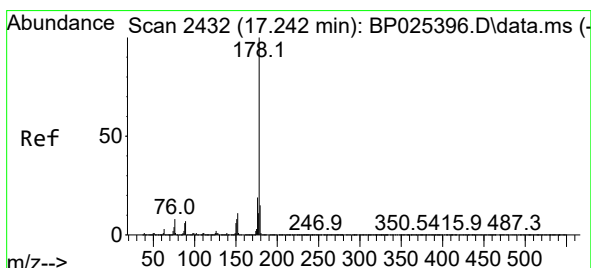
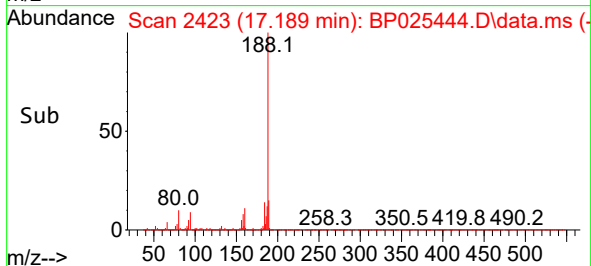
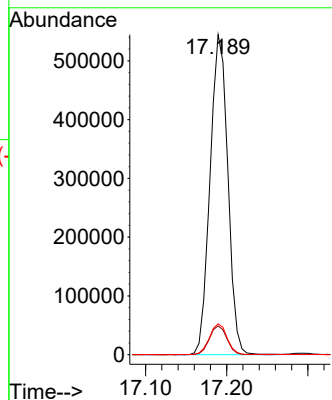
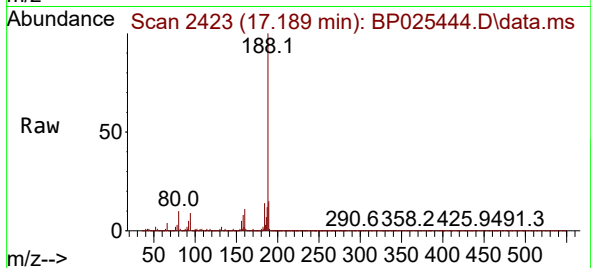
Tgt Ion:188 Resp: 827338

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.7 6.7 10.1



#71

Phenanthrene

Concen: 11.556 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

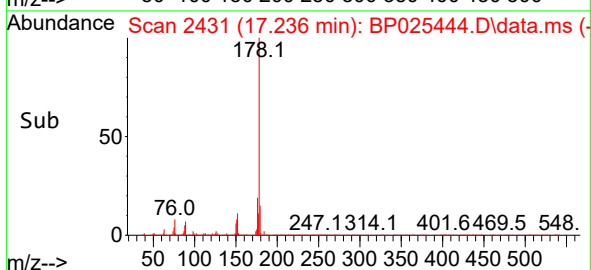
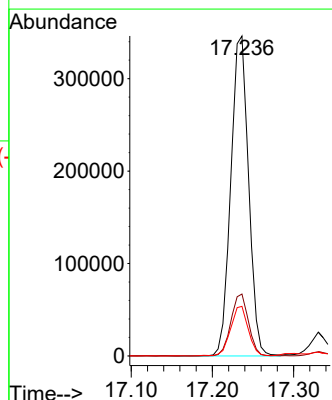
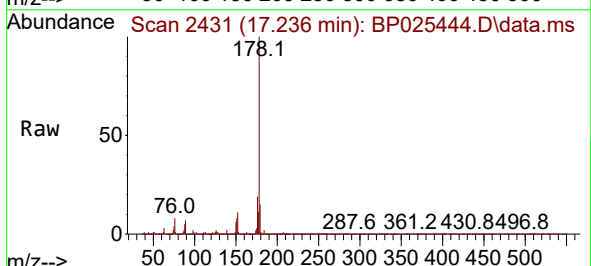
Tgt Ion:178 Resp: 525200

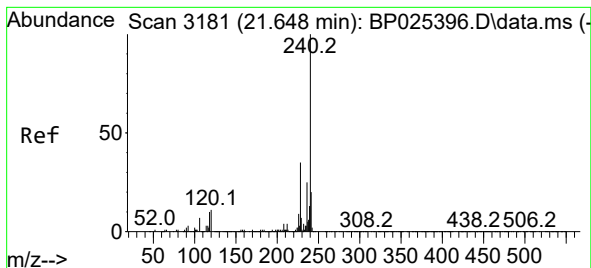
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.5 12.2 18.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.624 min Scan# 3181

Delta R.T. -0.023 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

Instrument :

BNA_P

ClientSampleId :

WC-A2-17-C

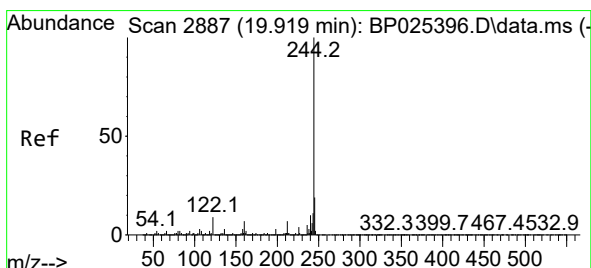
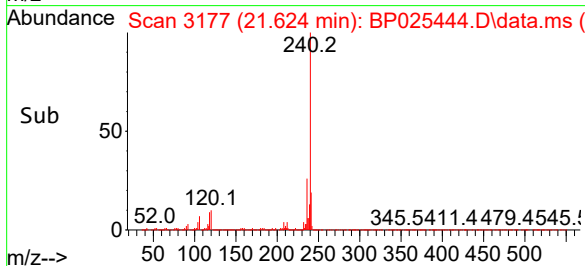
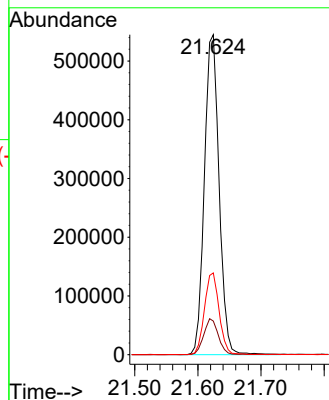
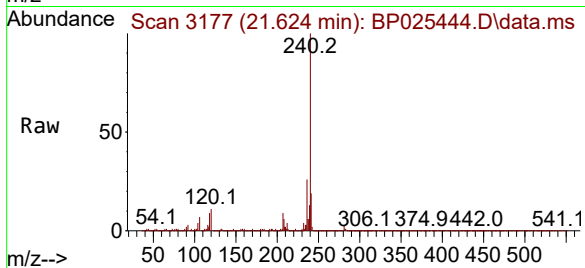
Tgt Ion:240 Resp: 881184

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.5 19.8 29.8



#79

Terphenyl-d14

Concen: 74.008 ng

RT: 19.913 min Scan# 2886

Delta R.T. -0.006 min

Lab File: BP025444.D

Acq: 16 Aug 2025 04:00

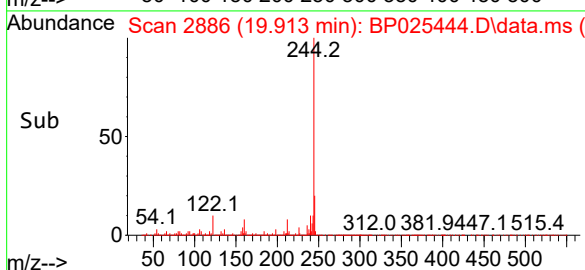
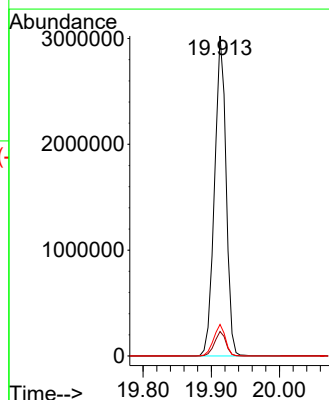
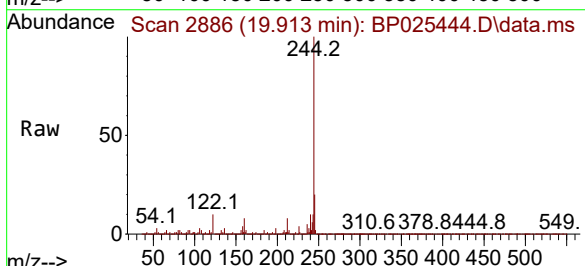
Tgt Ion:244 Resp: 3564458

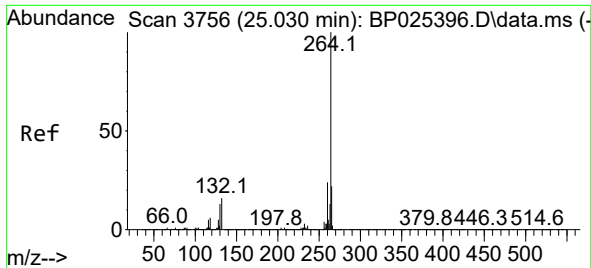
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 9.9 7.4 11.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP025444.D
Acq: 16 Aug 2025 04:00

Instrument :
BNA_P
ClientSampleId :
WC-A2-17-C

Tgt Ion:264 Resp: 984410
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 21.9 17.4 26.0

