

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP025000.D
 Acq On : 18 Jun 2025 18:53
 Operator : RC/JU
 Sample : Q2333-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-08

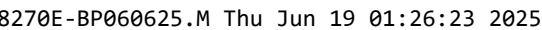
Quant Time: Jun 19 01:26:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

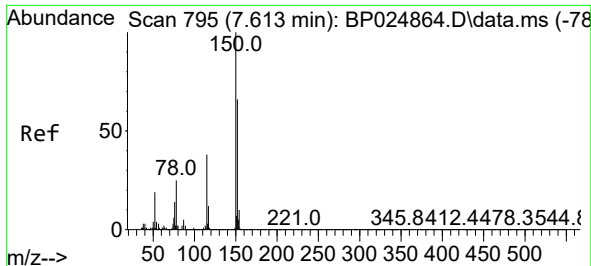
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	284799	20.000	ng	-0.01
21) Naphthalene-d8	10.372	136	1178298	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	818800	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1525739	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1584667	20.000	ng	0.01
86) Perylene-d12	24.777	264	1801582	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1636926	95.940	ng	0.00
7) Phenol-d6	6.819	99	1443024	63.922	ng	0.00
23) Nitrobenzene-d5	8.761	82	2125743	87.666	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1658487	146.505	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4842820	79.676	ng	0.00
79) Terphenyl-d14	19.789	244	7224846	81.713	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.755	77	474687	36.481	ng	# 1
18) Hexachloroethane	8.696	117	509082	62.108	ng	# 1
22) Acetophenone	8.396	105	462105	15.522	ng	# 57
24) Nitrobenzene	8.772	77	94197	4.373	ng	# 3
27) 2,4-Dimethylphenol	9.584	122	140690	7.734	ng	100
31) Naphthalene	10.425	128	9843855	163.023	ng	99
33) 4-Chloroaniline	10.425	127	1327128	52.459	ng	# 34
37) 2-Methylnaphthalene	12.043	142	516069	13.473	ng	99
38) 1-Methylnaphthalene	12.043	142	516069	12.603	ng	96
48) 2-Nitroaniline	13.313	65	83899	5.967	ng	# 24
54) 2,4-Dinitrophenol	14.396	184	244	5.590	ng	# 1
56) 4-Nitrophenol	14.531	139	633	5.461	ng	# 1
63) Azobenzene	15.643	77	132098	2.393	ng	# 1

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

Quant Time: Jun 19 01:26:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

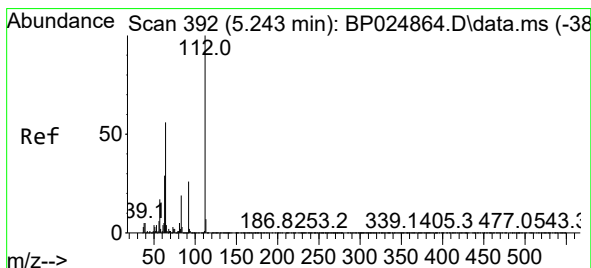
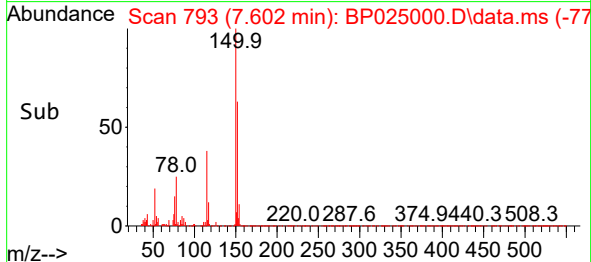
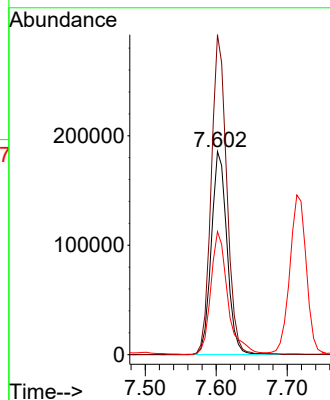
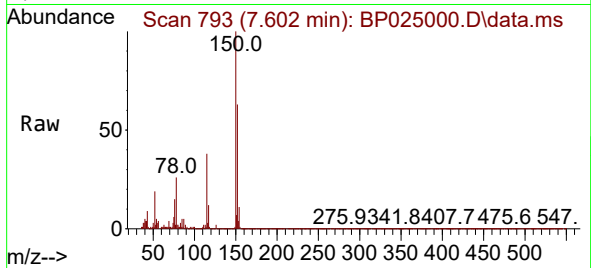




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

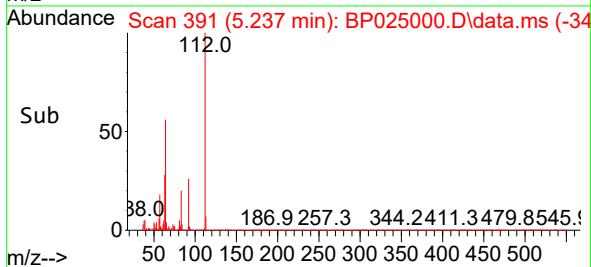
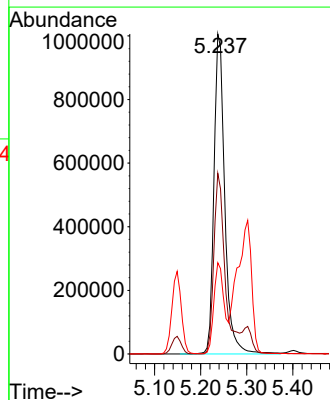
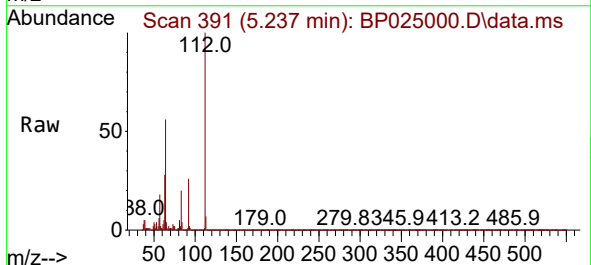
Instrument :
BNA_P
ClientSampleId :
MW-08

Tgt Ion:152 Resp: 284799
Ion Ratio Lower Upper
152 100
150 157.5 122.1 183.1
115 60.5 46.4 69.6



#5
2-Fluorophenol
Concen: 95.940 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion:112 Resp: 1636926
Ion Ratio Lower Upper
112 100
64 56.5 44.7 67.1
63 28.5 23.5 35.3

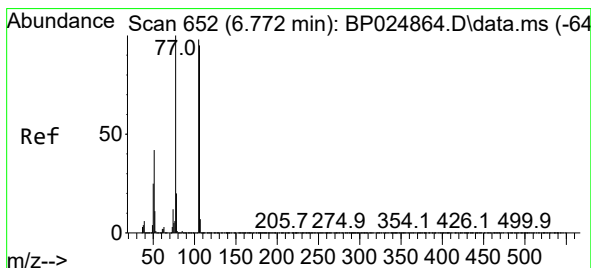
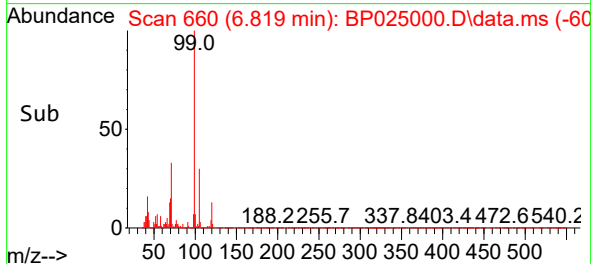
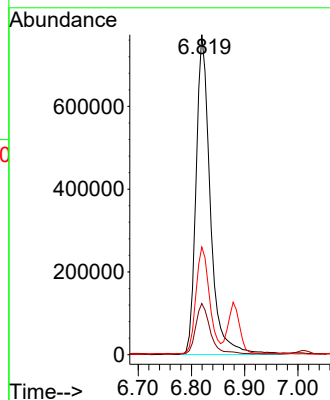
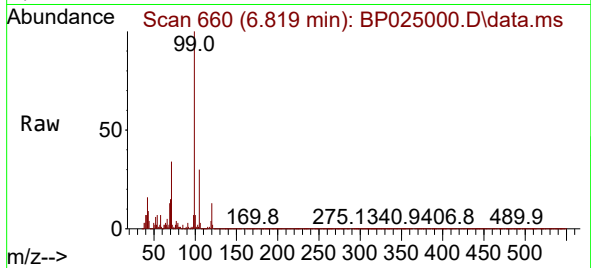




#7
Phenol-d6
Concen: 63.922 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

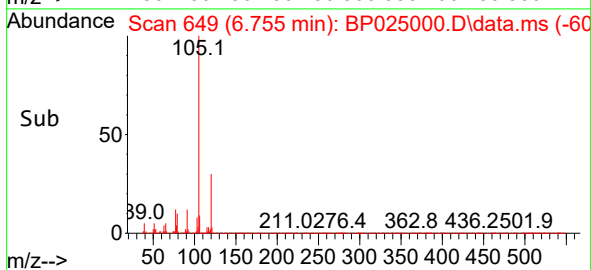
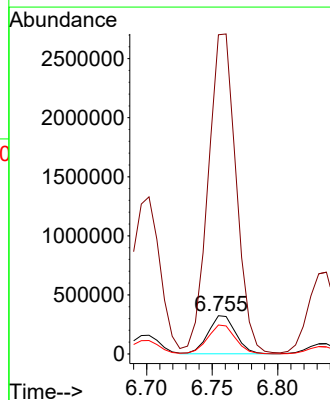
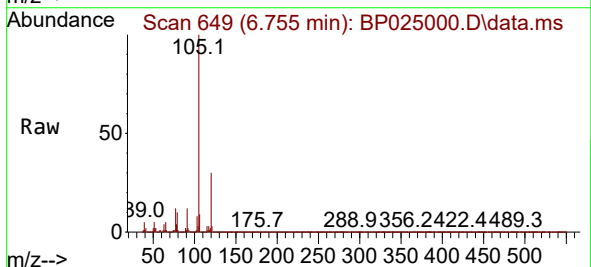
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BNA_P
ClientSampleId :
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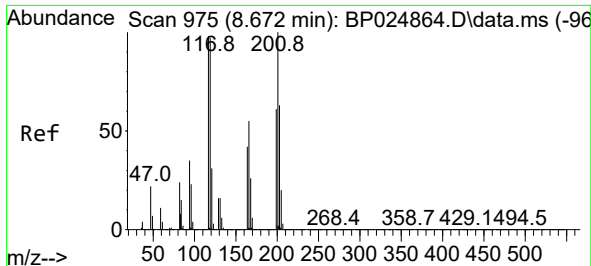
Tgt Ion: 99 Resp: 1443024
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.7 27.6 41.4



#9
Benzaldehyde
Concen: 36.481 ng
RT: 6.755 min Scan# 649
Delta R.T. -0.018 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion: 77 Resp: 474687
Ion Ratio Lower Upper
77 100
105 834.0 77.7 117.7#
106 75.5 74.8 114.8

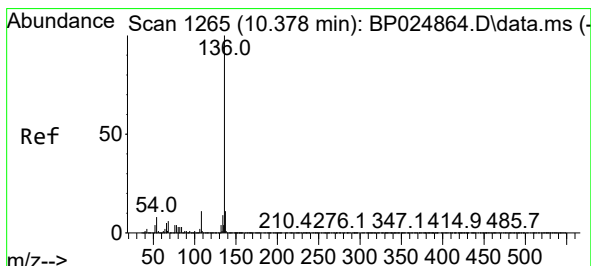
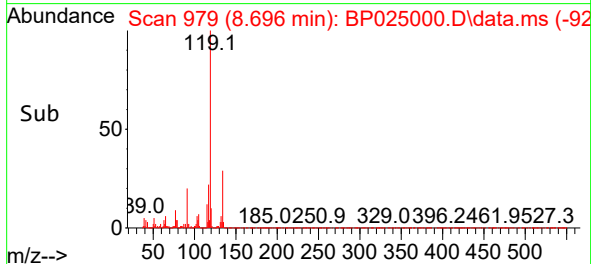
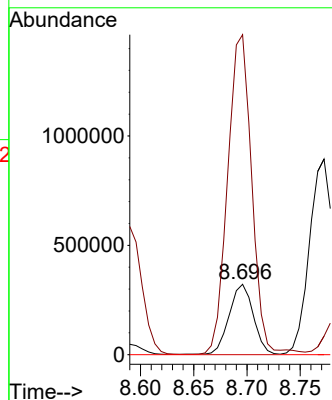
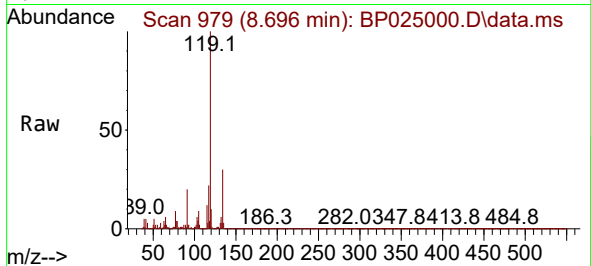




#18
Hexachloroethane
Concen: 62.108 ng
RT: 8.696 min Scan# 91
Delta R.T. 0.024 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

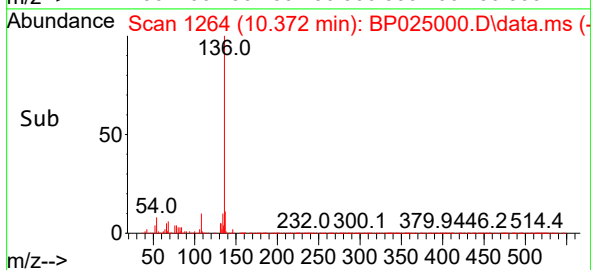
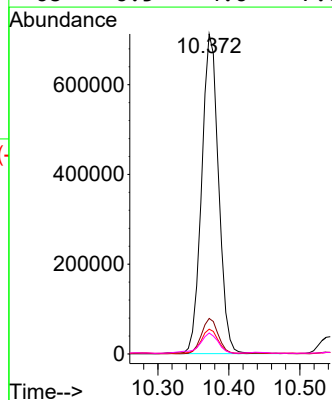
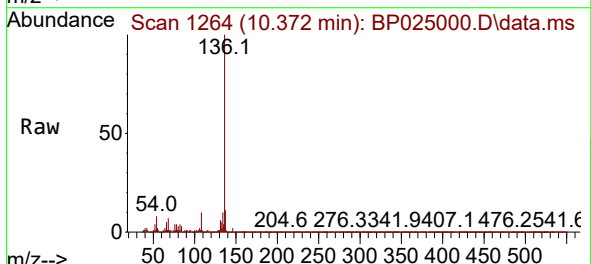
Instrument :
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ClientSampleId :
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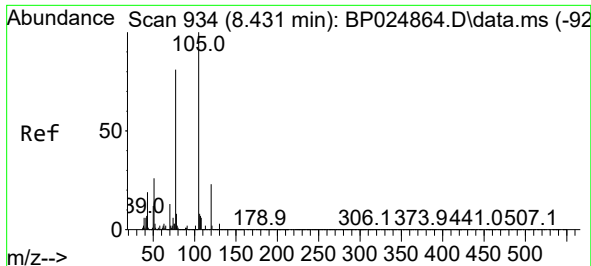
Tgt Ion:117 Resp: 509082
Ion Ratio Lower Upper
117 100
119 454.4 79.4 119.2#
201 0.0 81.4 122.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion:136 Resp: 1178298
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 6.1 9.1
68 6.5 4.6 7.0

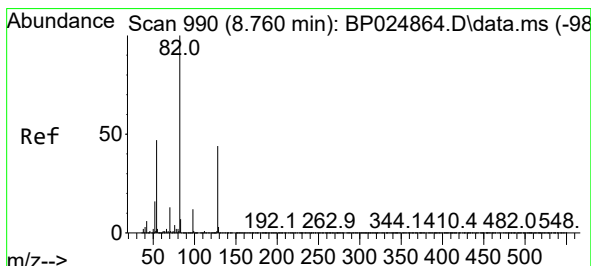
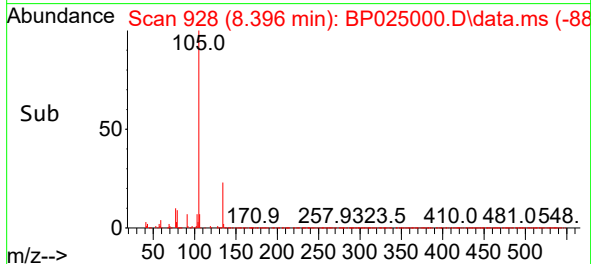
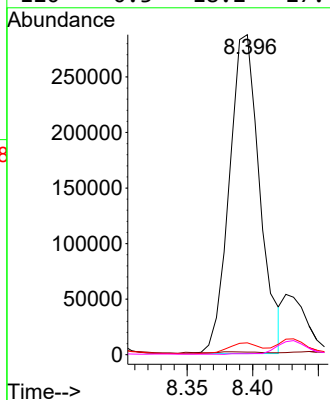
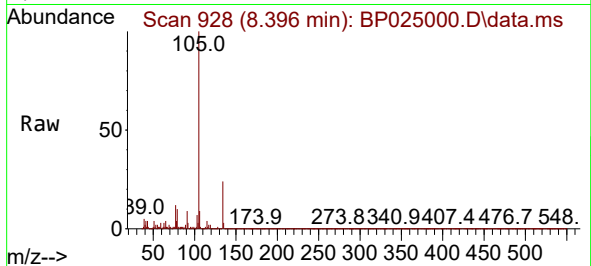




#22
Acetophenone
Concen: 15.522 ng
RT: 8.396 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

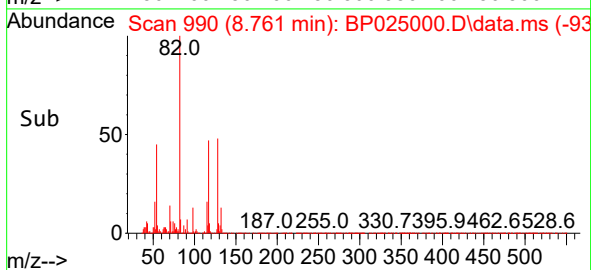
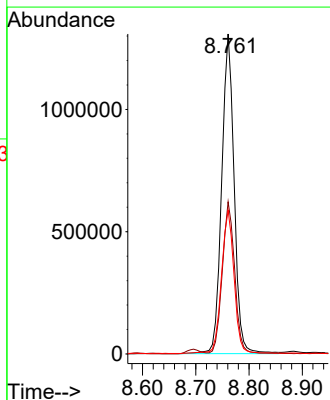
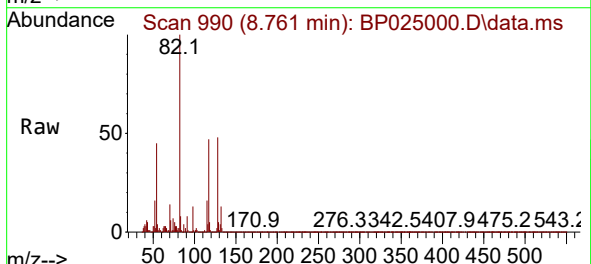
Instrument :
BNA_P
ClientSampleId :
MW-08

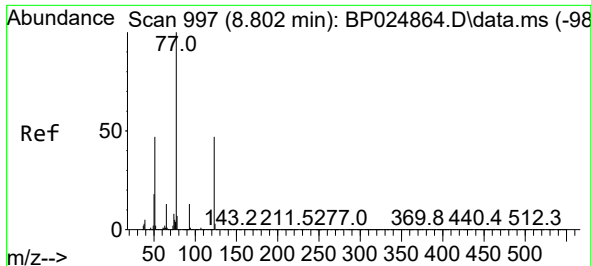
Tgt Ion:105 Resp: 462105
Ion Ratio Lower Upper
105 100
71 0.8 1.6 2.4#
51 3.7 20.6 31.0#
120 0.3 18.2 27.4#



#23
Nitrobenzene-d5
Concen: 87.666 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion: 82 Resp: 2125743
Ion Ratio Lower Upper
82 100
128 47.6 35.3 52.9
54 44.9 37.4 56.0

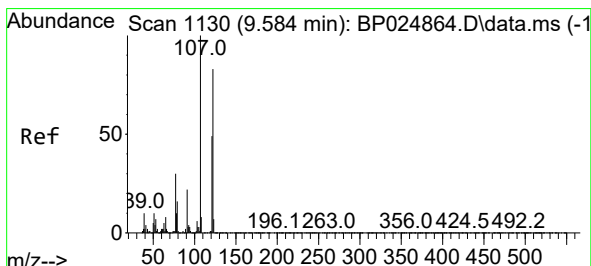
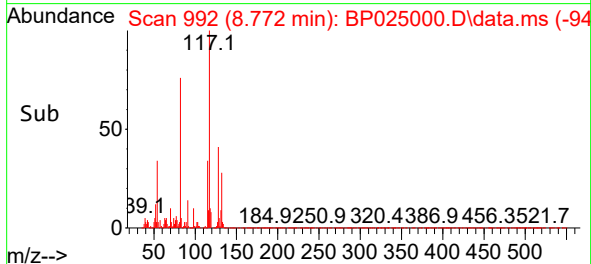
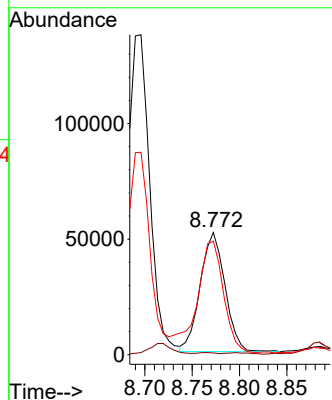
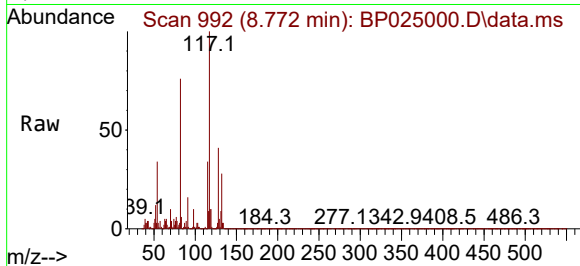




#24
Nitrobenzene
Concen: 4.373 ng
RT: 8.772 min Scan# 997
Delta R.T. -0.029 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

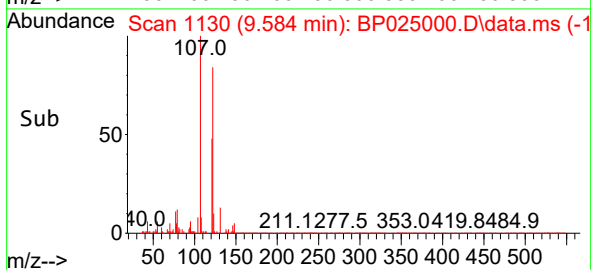
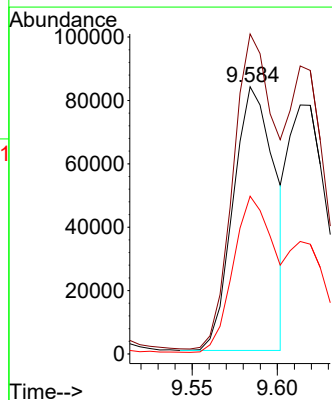
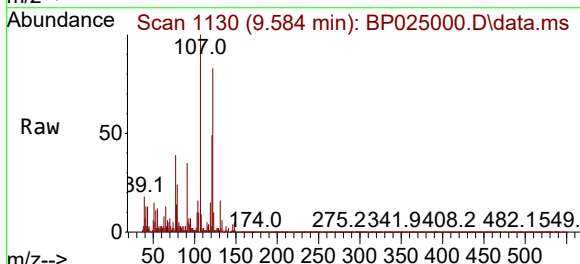
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ClientSampleId :
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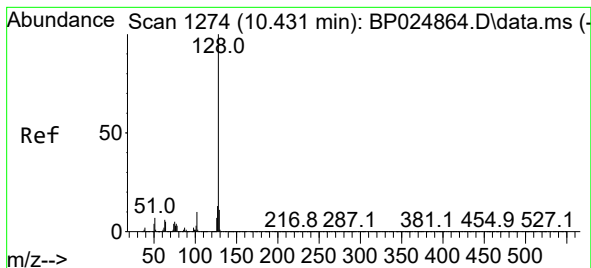
Tgt Ion: 77 Resp: 94197
Ion Ratio Lower Upper
77 100
123 1.4 37.3 55.9#
65 92.8 10.8 16.2#



#27
2,4-Dimethylphenol
Concen: 7.734 ng
RT: 9.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion: 122 Resp: 140690
Ion Ratio Lower Upper
122 100
107 119.8 96.2 144.4
121 59.0 47.0 70.4





#31

Naphthalene

Concen: 163.023 ng

RT: 10.425 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Instrument :

BNA_P

ClientSampleId :

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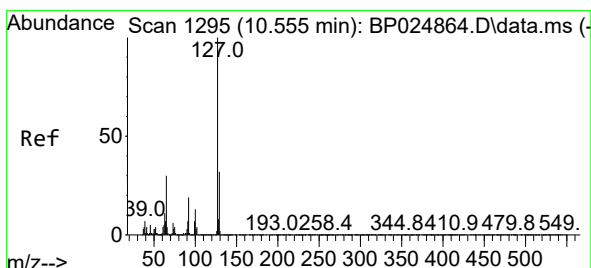
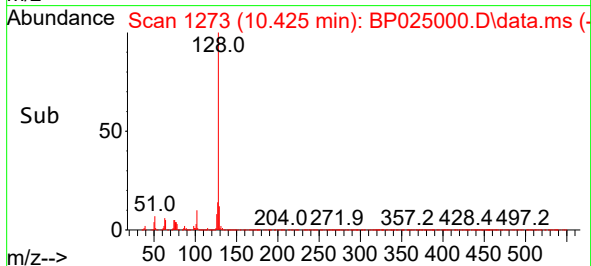
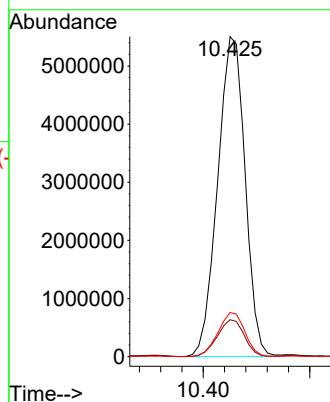
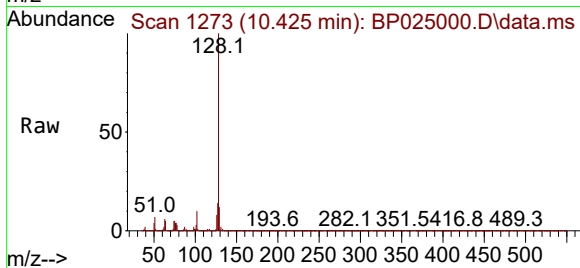
Tgt Ion:128 Resp: 9843855

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

127 13.8 10.7 16.1



#33

4-Chloroaniline

Concen: 52.459 ng

RT: 10.425 min Scan# 1273

Delta R.T. -0.129 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Tgt Ion:127 Resp: 1327128

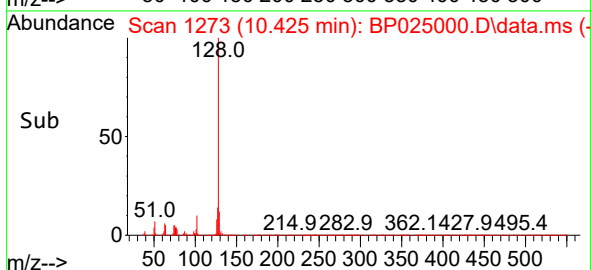
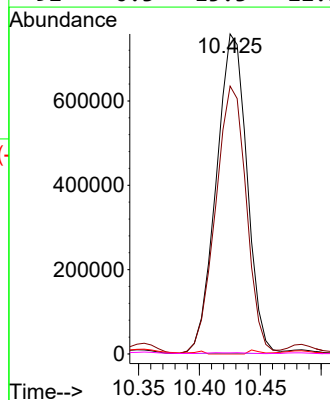
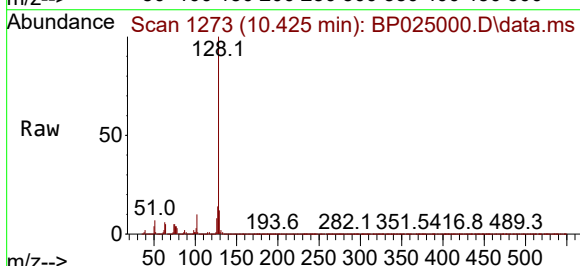
Ion Ratio Lower Upper

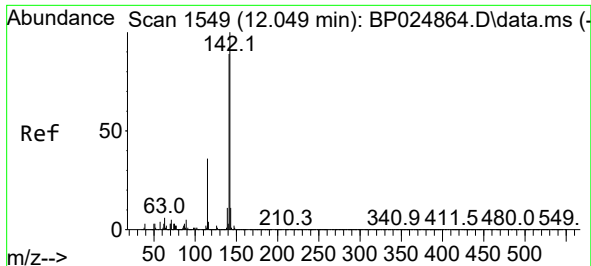
127 100

129 83.7 25.9 38.9#

65 0.0 23.9 35.9#

92 0.3 15.3 22.9#

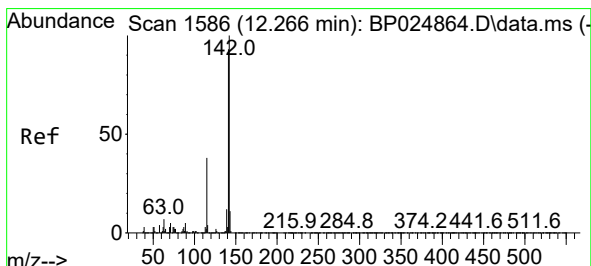
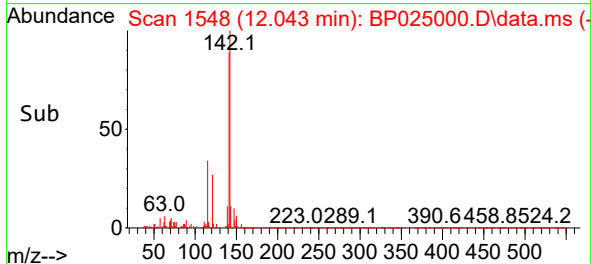
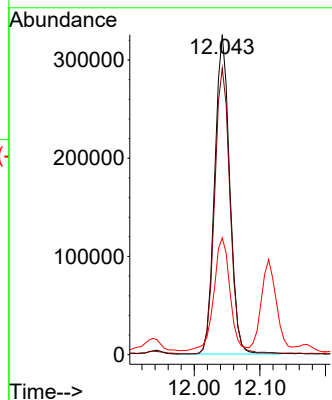
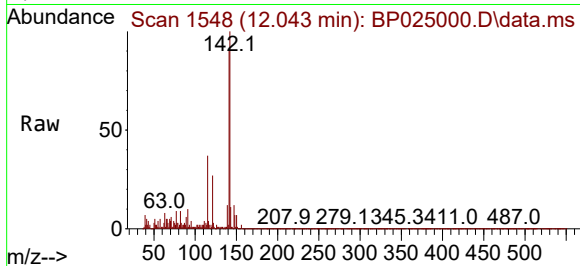




#37
2-Methylnaphthalene
Concen: 13.473 ng
RT: 12.043 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

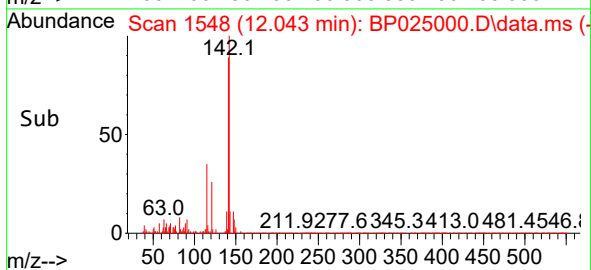
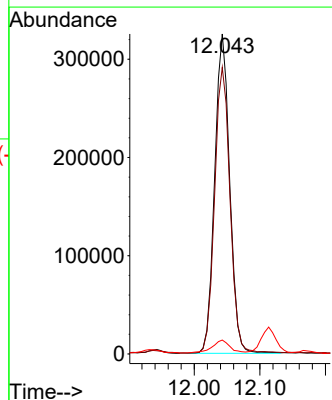
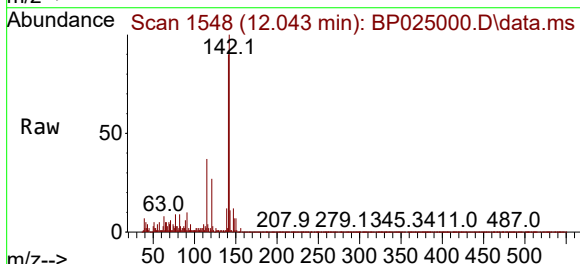
Instrument :
BNA_P
ClientSampleId :
MW-08

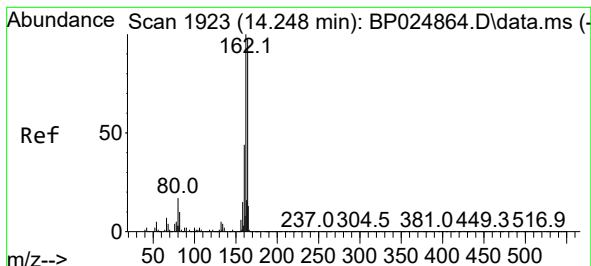
Tgt Ion:142 Resp: 516069
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8
115 36.5 28.5 42.7



#38
1-Methylnaphthalene
Concen: 12.603 ng
RT: 12.043 min Scan# 1548
Delta R.T. -0.223 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion:142 Resp: 516069
Ion Ratio Lower Upper
142 100
141 89.6 74.7 112.1
116 4.4 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.254 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Instrument :

BNA_P

ClientSampleId :

MW-08

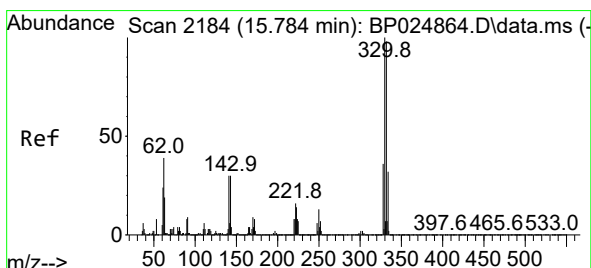
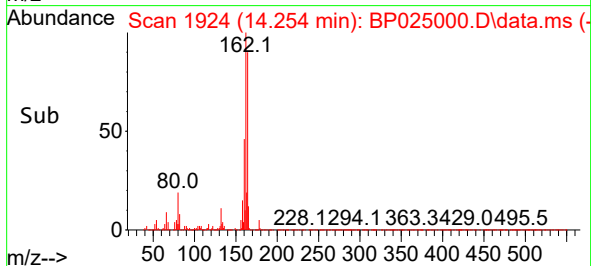
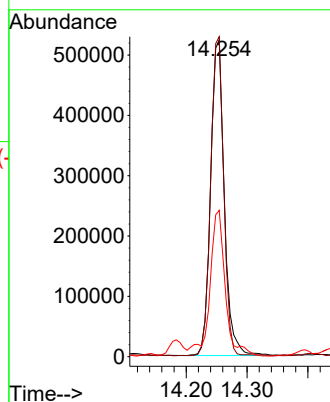
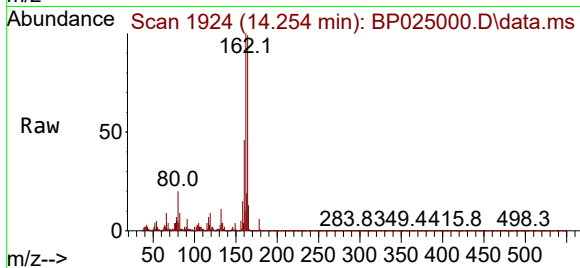
Tgt Ion:164 Resp: 818800

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

160 46.2 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 146.505 ng

RT: 15.784 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

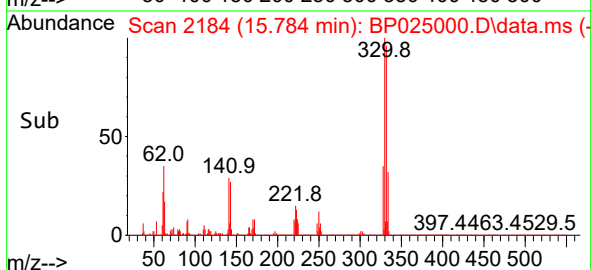
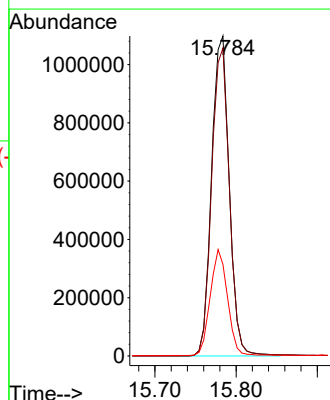
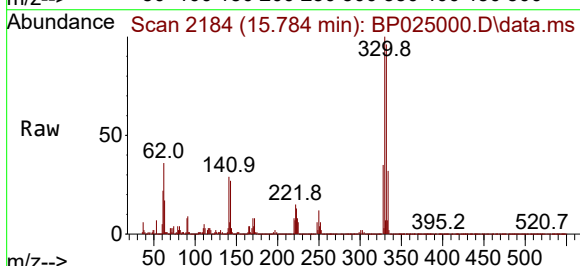
Tgt Ion:330 Resp: 1658487

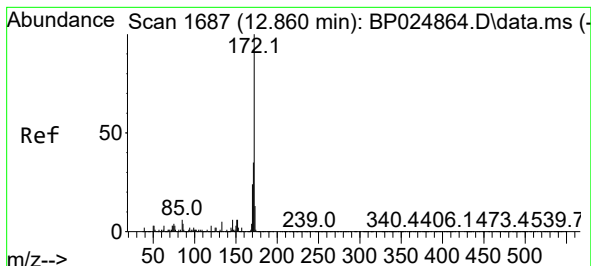
Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

141 32.5 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 79.676 ng

RT: 12.860 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Instrument :

BNA_P

ClientSampleId :

MW-08

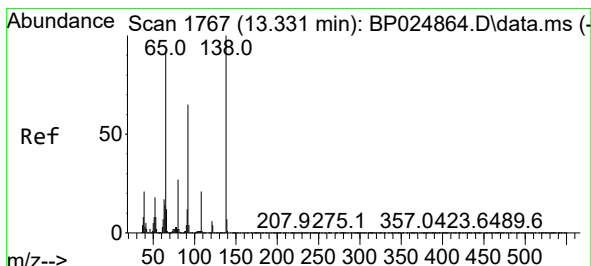
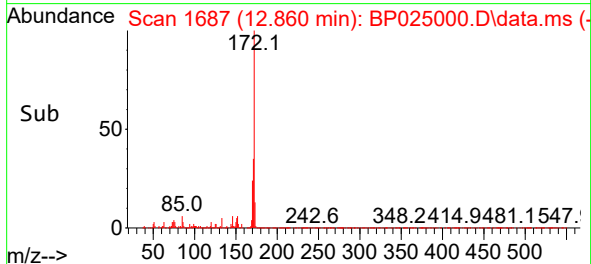
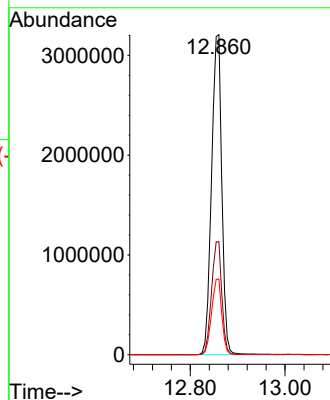
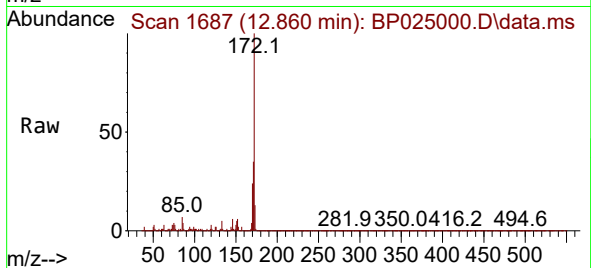
Tgt Ion:172 Resp: 4842820

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.6 19.0 28.4



#48

2-Nitroaniline

Concen: 5.967 ng

RT: 13.313 min Scan# 1764

Delta R.T. -0.018 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

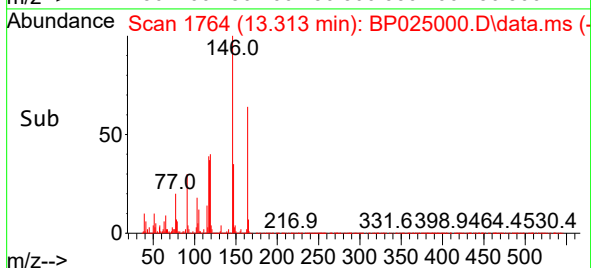
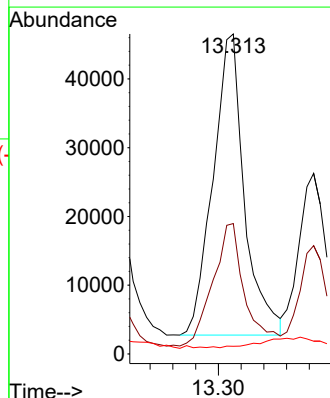
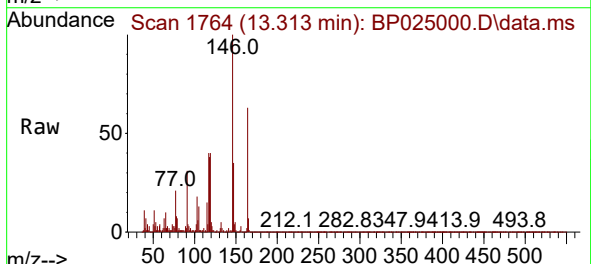
Tgt Ion: 65 Resp: 83899

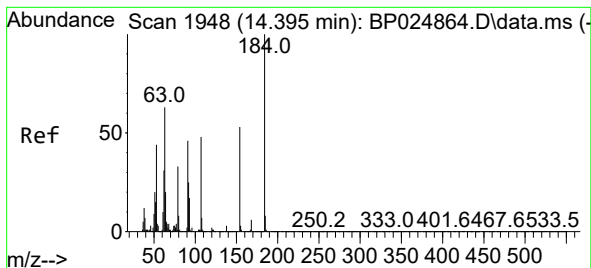
Ion Ratio Lower Upper

65 100

92 40.8 56.8 85.2#

138 2.4 86.9 130.3#

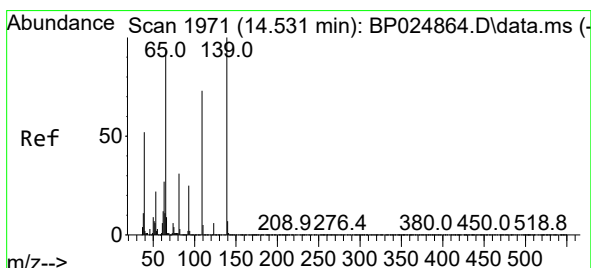
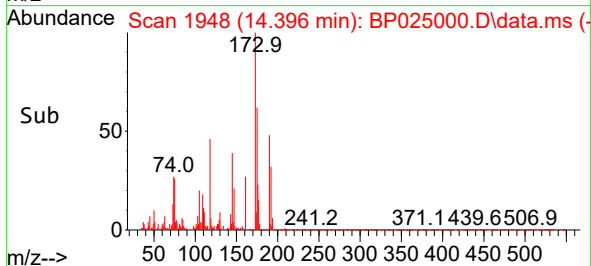
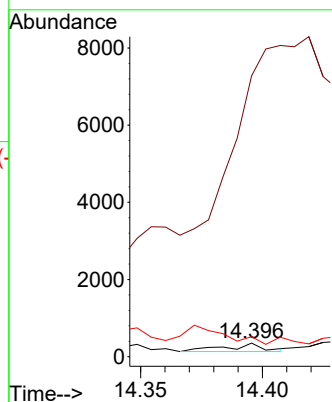
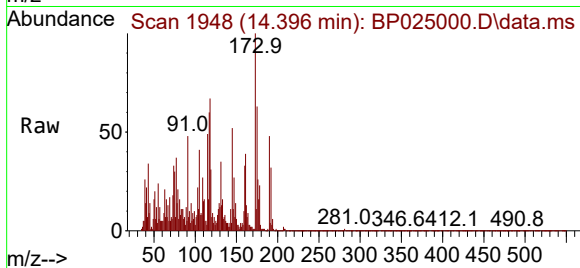




#54
2,4-Dinitrophenol
Concen: 5.590 ng
RT: 14.396 min Scan# 1948
Delta R.T. 0.001 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

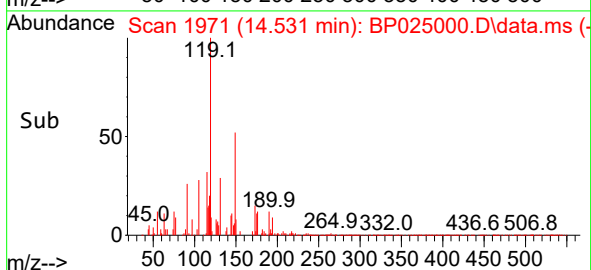
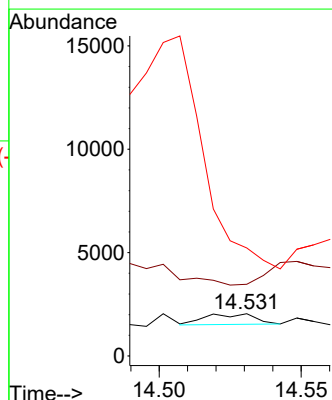
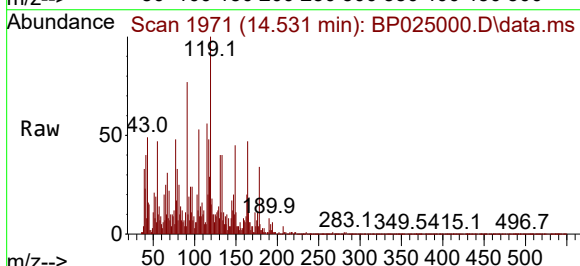
Instrument :
BNA_P
ClientSampleId :
MW-08

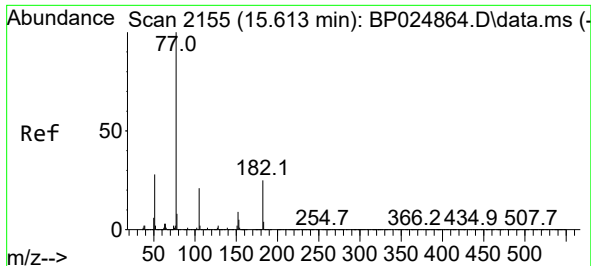
Tgt Ion:184 Resp: 244
Ion Ratio Lower Upper
184 100
63 2061.8 51.0 76.4#
154 146.7 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.461 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion:139 Resp: 633
Ion Ratio Lower Upper
139 100
109 169.3 53.1 93.1#
65 255.3 73.0 113.0#

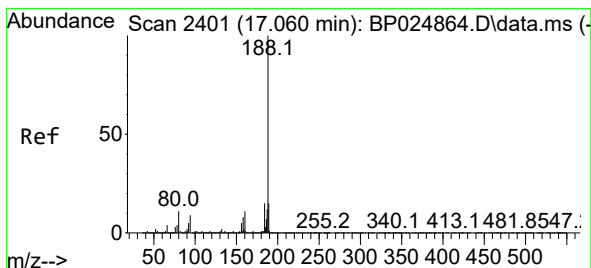
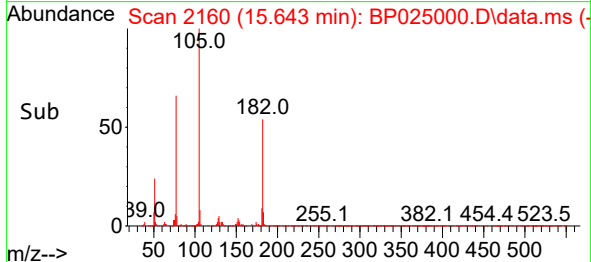
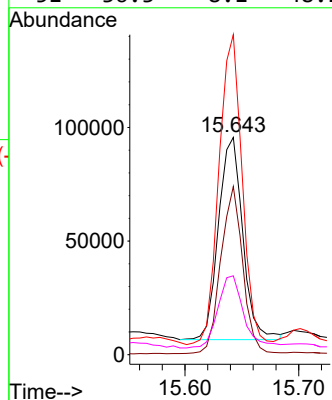
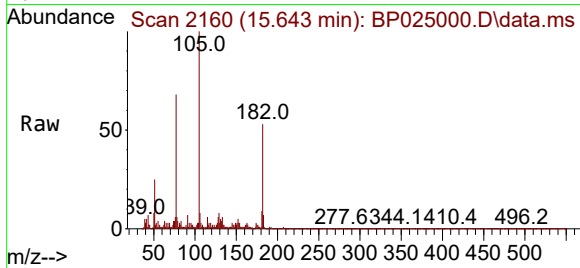




#63
Azobenzene
Concen: 2.393 ng
RT: 15.643 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

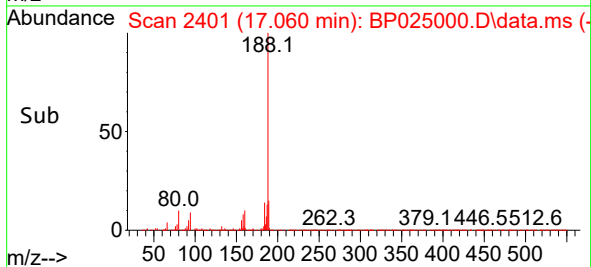
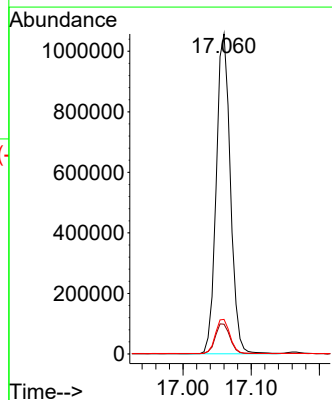
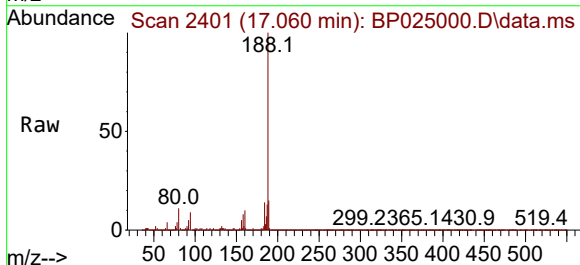
Instrument :
BNA_P
ClientSampleId :
MW-08

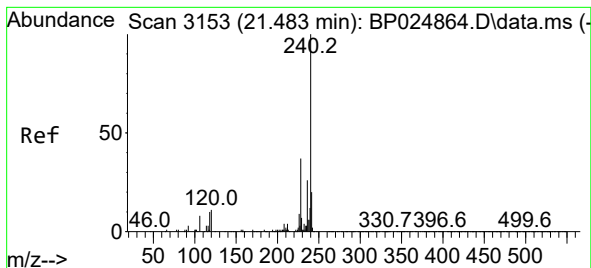
Tgt Ion: 77 Resp: 132098
Ion Ratio Lower Upper
77 100
182 77.4 5.4 45.4#
105 147.3 0.8 40.8#
51 36.3 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP025000.D
Acq: 18 Jun 2025 18:53

Tgt Ion:188 Resp: 1525739
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.8 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3155

Delta R.T. 0.012 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Instrument :

BNA_P

ClientSampleId :

MW-08

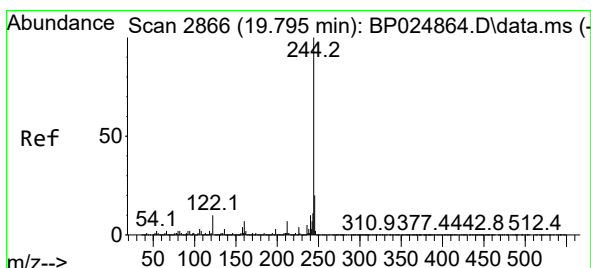
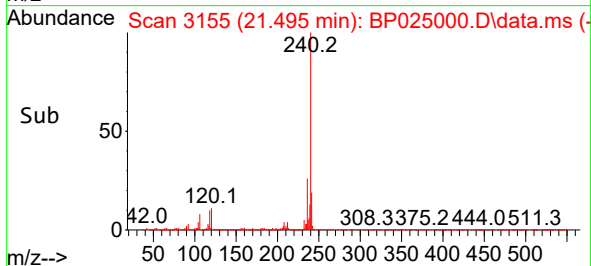
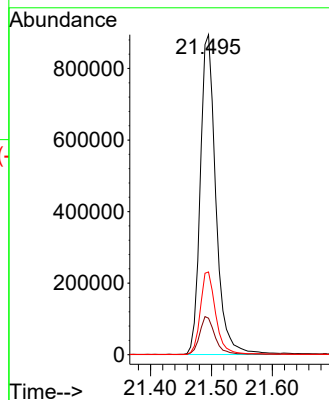
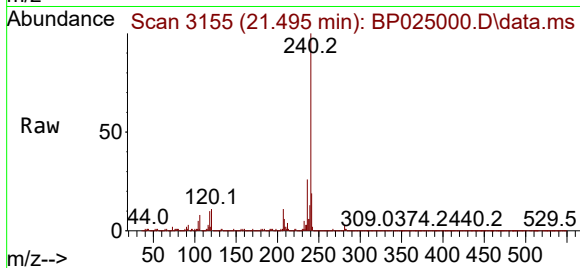
Tgt Ion:240 Resp: 1584667

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 81.713 ng

RT: 19.789 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

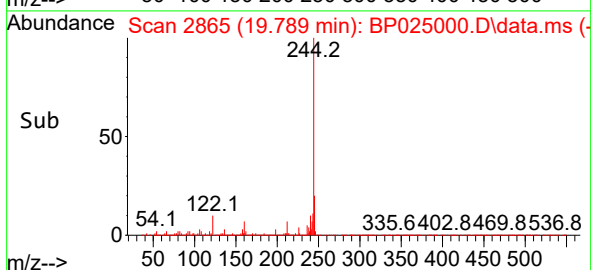
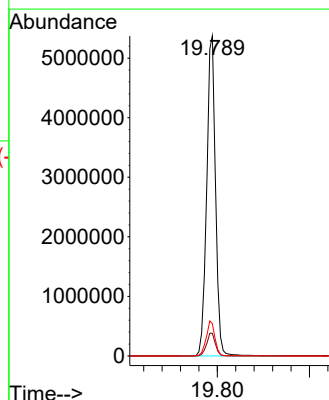
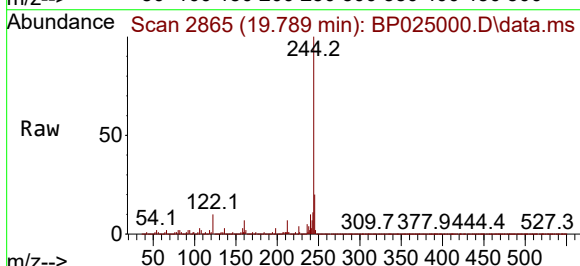
Tgt Ion:244 Resp: 7224846

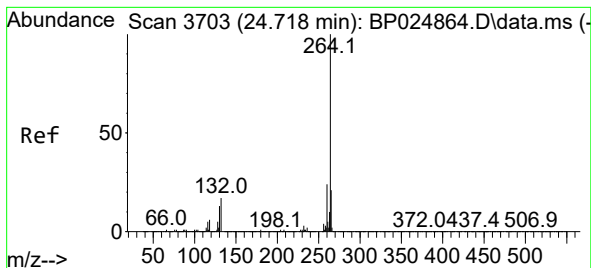
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.1 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.777 min Scan# 31

Delta R.T. 0.059 min

Lab File: BP025000.D

Acq: 18 Jun 2025 18:53

Instrument :

BNA_P

ClientSampleId :

MW-08

Tgt Ion:264 Resp: 1801582

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.9 17.4 26.0

