

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061925\
 Data File : BP025008.D
 Acq On : 19 Jun 2025 19:49
 Operator : RC/JU
 Sample : Q2358-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-07-06182025

Quant Time: Jun 20 01:14:48 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)

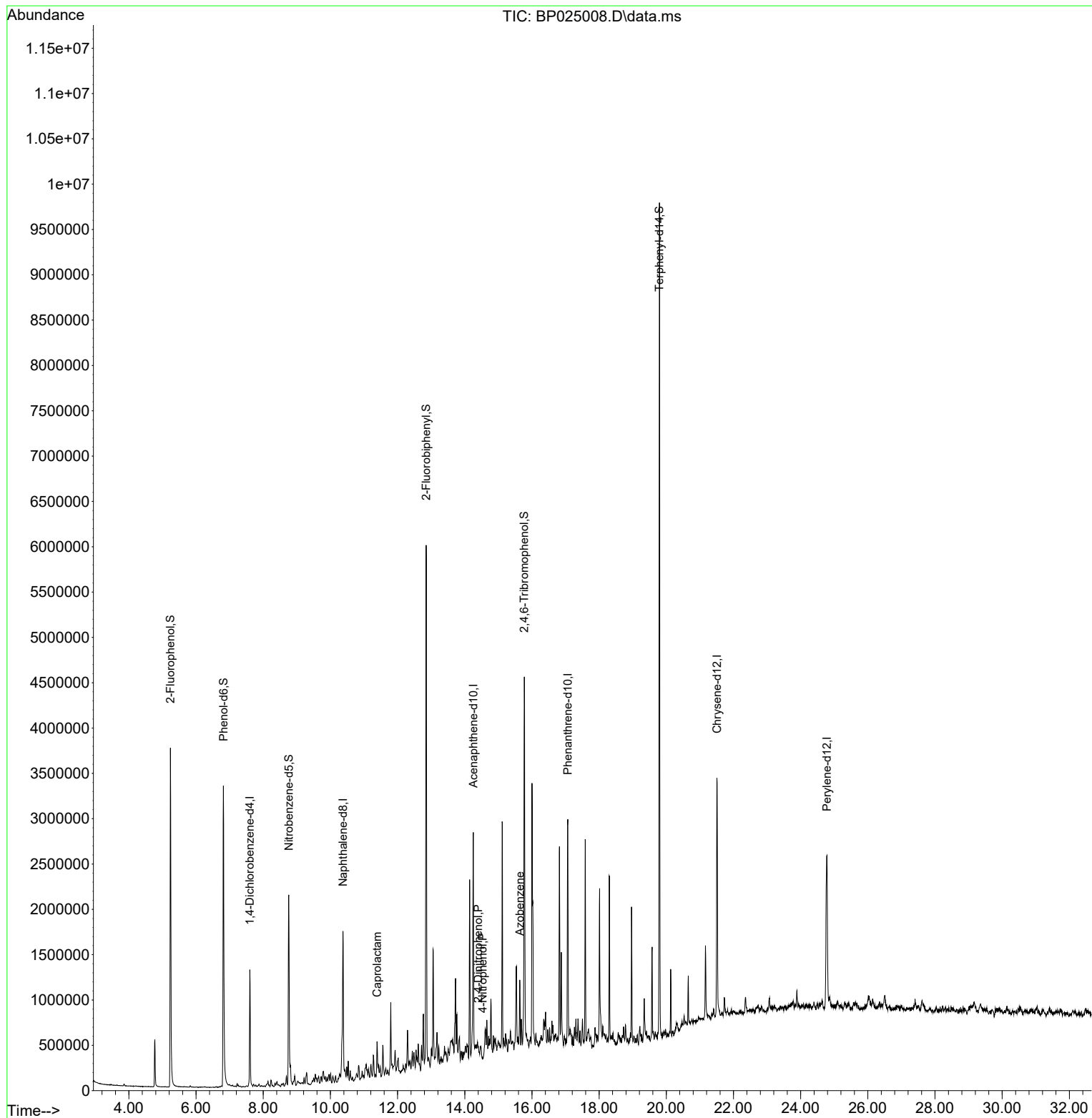
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	353533	20.000	ng	-0.01
21) Naphthalene-d8	10.372	136	1385990	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	840179	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1539236	20.000	ng	0.00
76) Chrysene-d12	21.507	240	1595238	20.000	ng	0.02
86) Perylene-d12	24.777	264	1900715	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1894981	89.471	ng	0.00
7) Phenol-d6	6.813	99	2407689	85.918	ng	0.00
23) Nitrobenzene-d5	8.760	82	1464625	51.350	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	973812	83.834	ng	-0.01
45) 2-Fluorobiphenyl	12.848	172	3197543	51.269	ng	-0.01
79) Terphenyl-d14	19.795	244	4563283	51.268	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	11.390	113	15738	2.082	ng	# 21
54) 2,4-Dinitrophenol	14.395	184	141	5.578	ng	# 1
56) 4-Nitrophenol	14.531	139	208	5.426	ng	# 1
63) Azobenzene	15.636	77	174468	3.080	ng	# 1

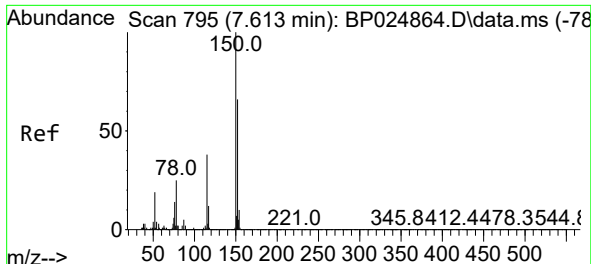
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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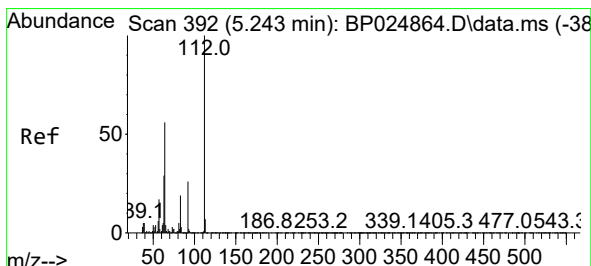
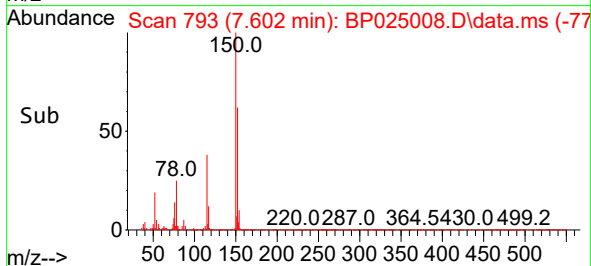
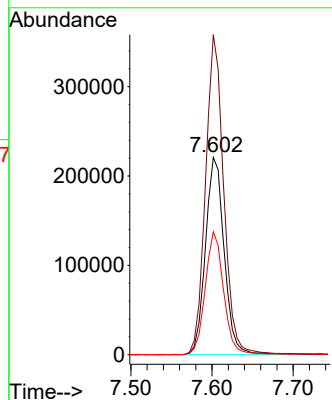
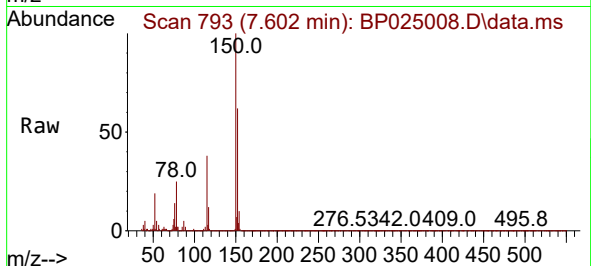




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

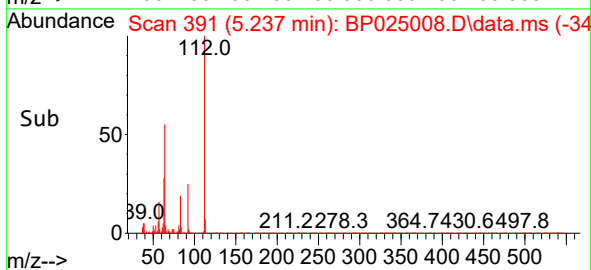
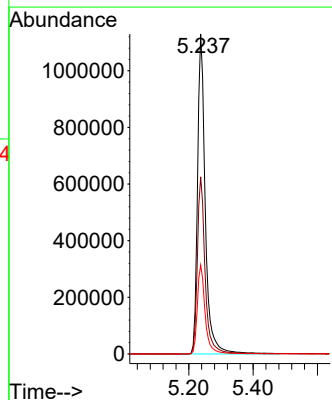
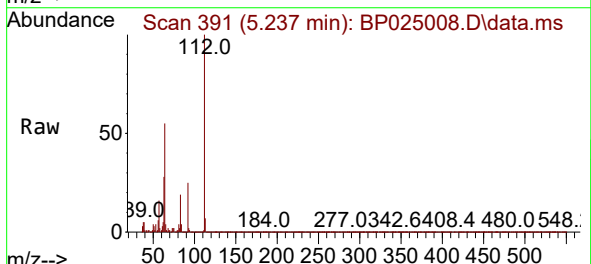
Instrument :
BNA_P
ClientSampleId :
NB-07-06182025

Tgt Ion:152 Resp: 353533
Ion Ratio Lower Upper
152 100
150 162.1 122.1 183.1
115 62.3 46.4 69.6



#5
2-Fluorophenol
Concen: 89.471 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

Tgt Ion:112 Resp: 1894981
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 27.8 23.5 35.3

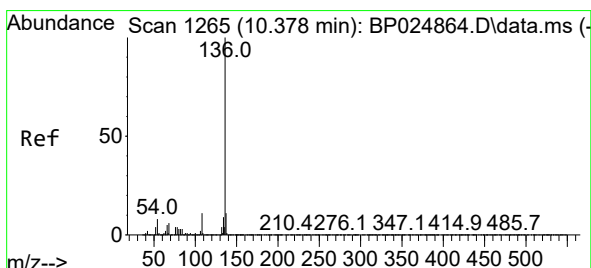
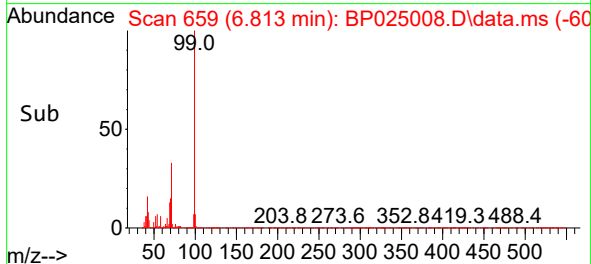
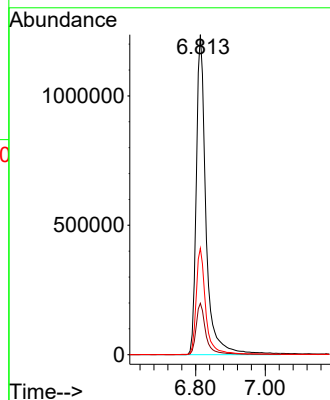
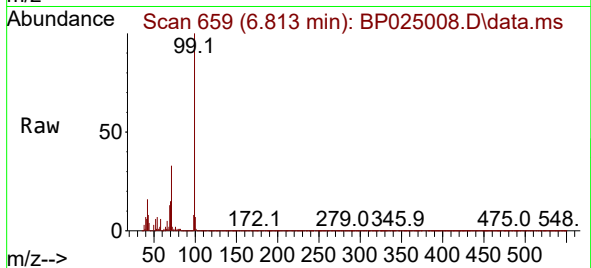




#7
Phenol-d6
Concen: 85.918 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

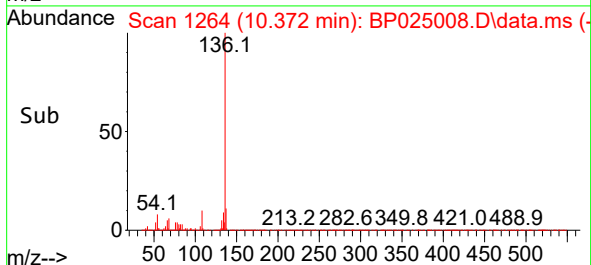
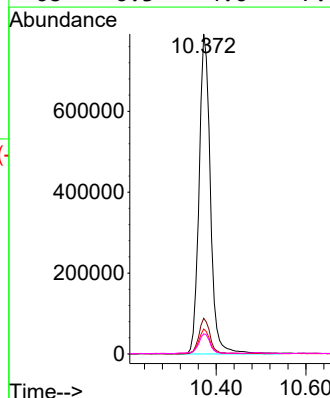
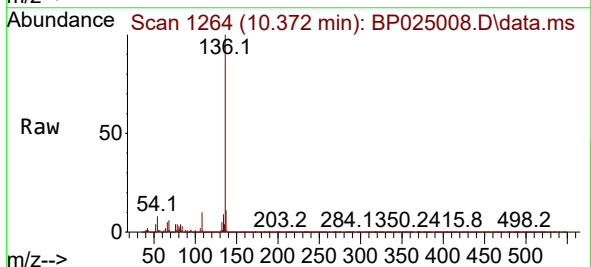
Instrument :
BNA_P
ClientSampleId :
NB-07-06182025

Tgt Ion: 99 Resp: 2407689
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.2 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

Tgt Ion:136 Resp: 1385990
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.8 6.1 9.1
68 6.3 4.6 7.0

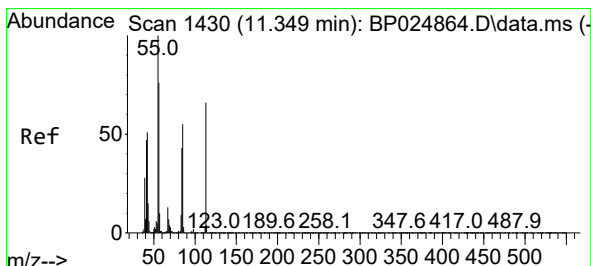
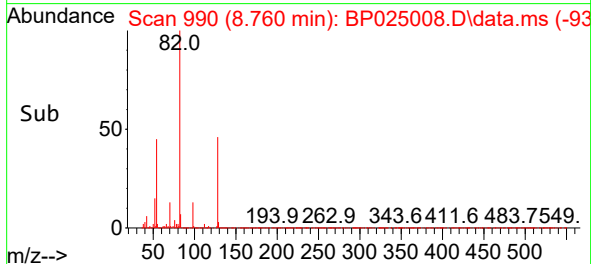
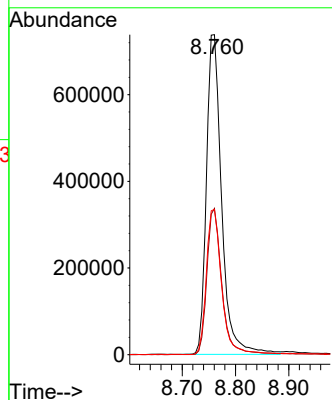
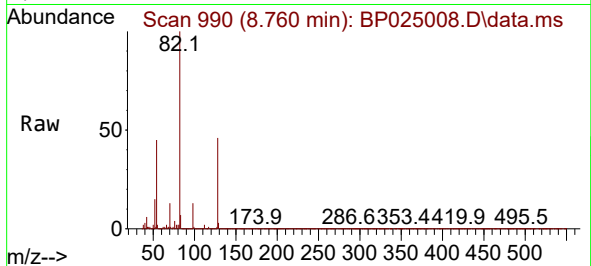




#23
Nitrobenzene-d5
Concen: 51.350 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

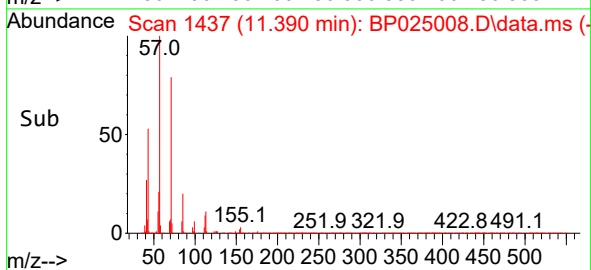
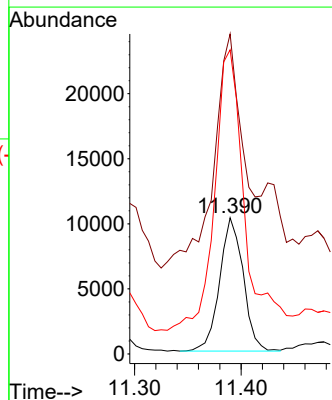
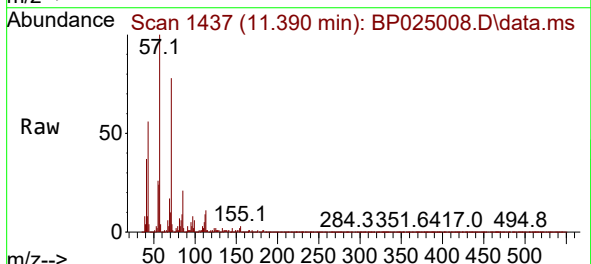
Instrument :
BNA_P
ClientSampleId :
NB-07-06182025

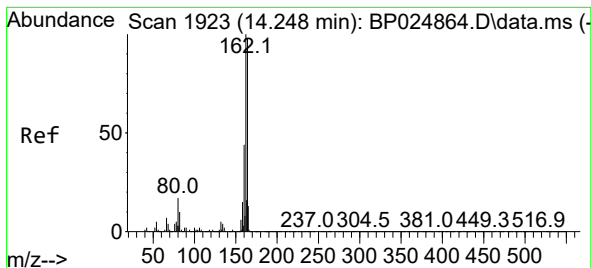
Tgt Ion: 82 Resp: 1464625
Ion Ratio Lower Upper
82 100
128 45.7 35.3 52.9
54 45.4 37.4 56.0



#35
Caprolactam
Concen: 2.082 ng
RT: 11.390 min Scan# 1437
Delta R.T. 0.041 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

Tgt Ion: 113 Resp: 15738
Ion Ratio Lower Upper
113 100
55 234.9 132.5 172.5#
56 223.3 96.0 136.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.254 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

NB-07-06182025

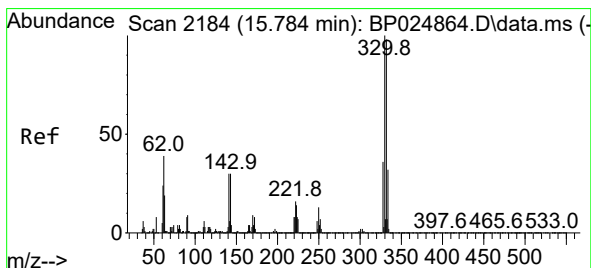
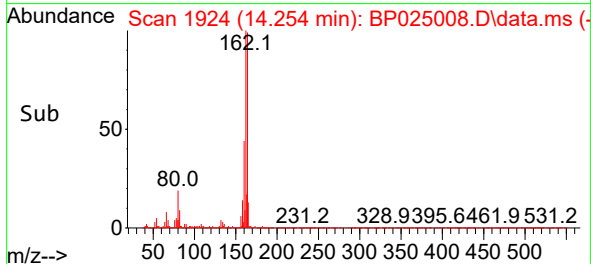
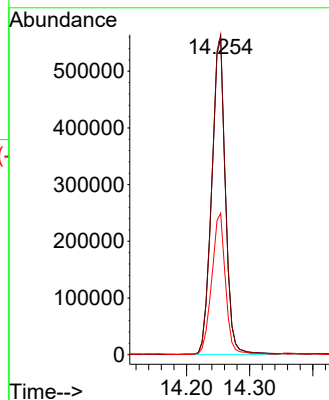
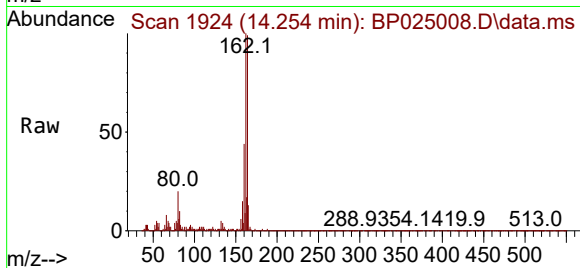
Tgt Ion:164 Resp: 840179

Ion Ratio Lower Upper

164 100

162 101.3 81.6 122.4

160 44.8 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 83.834 ng

RT: 15.772 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

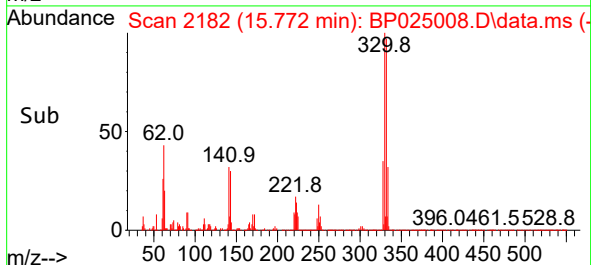
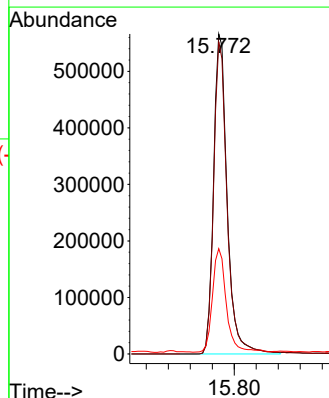
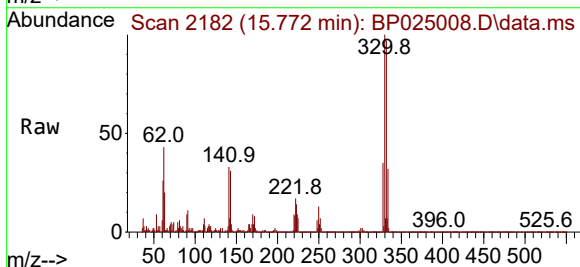
Tgt Ion:330 Resp: 973812

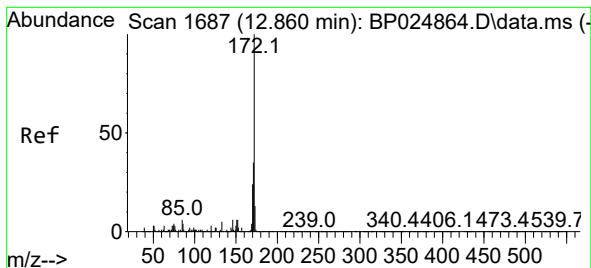
Ion Ratio Lower Upper

330 100

332 97.4 77.7 116.5

141 32.7 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 51.269 ng

RT: 12.848 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

NB-07-06182025

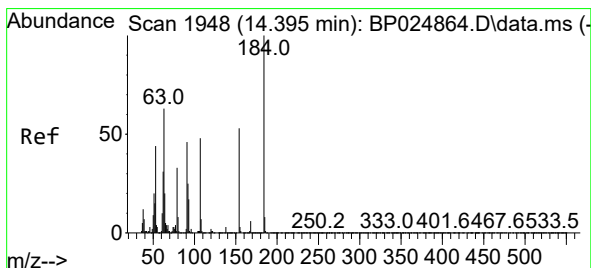
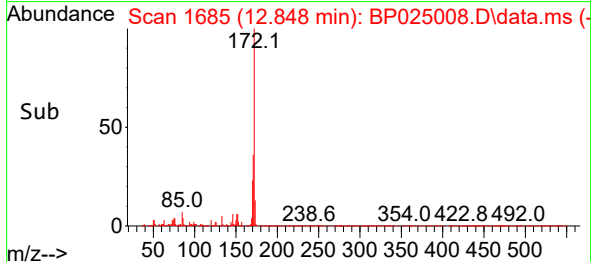
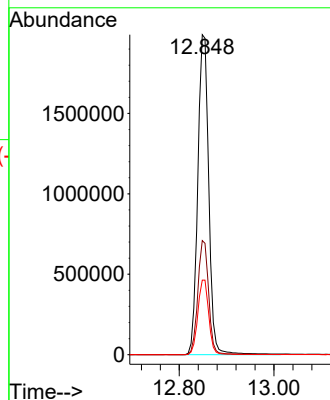
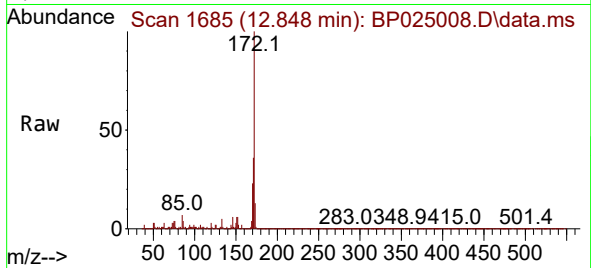
Tgt Ion:172 Resp: 3197543

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.3 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 5.578 ng

RT: 14.395 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

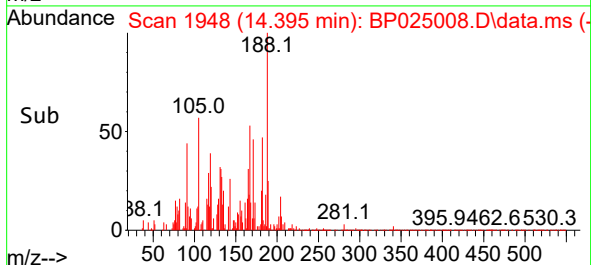
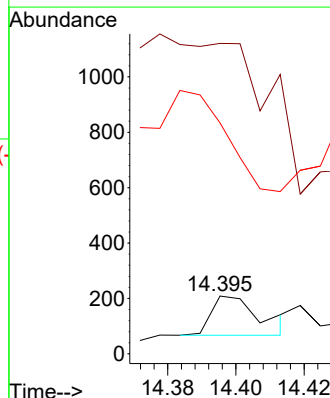
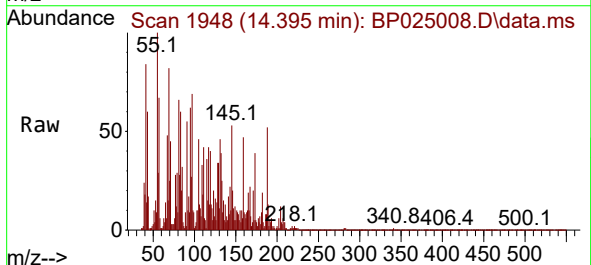
Tgt Ion:184 Resp: 141

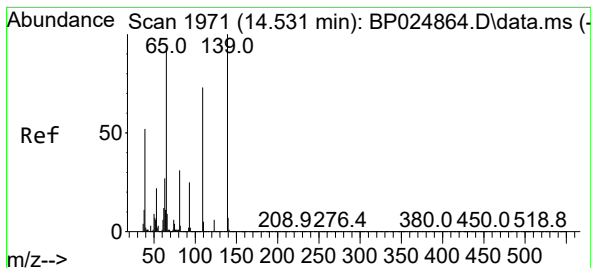
Ion Ratio Lower Upper

184 100

63 536.4 51.0 76.4#

154 399.0 51.7 77.5#

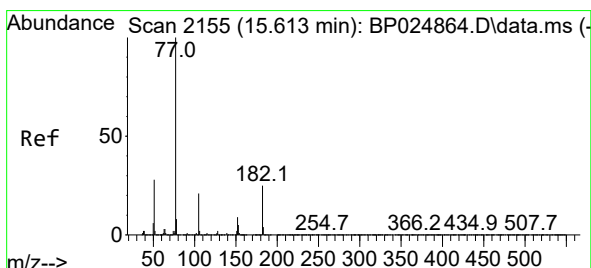
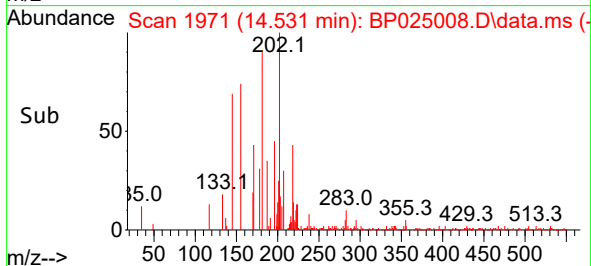
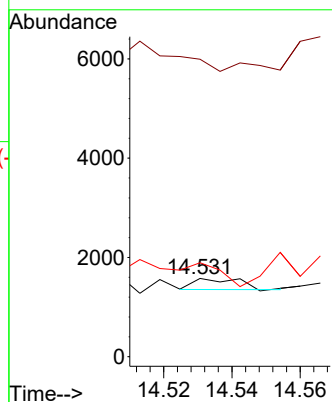
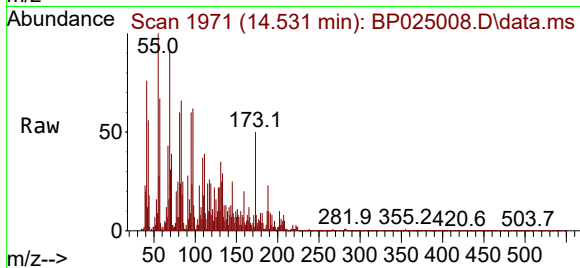




#56
4-Nitrophenol
Concen: 5.426 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

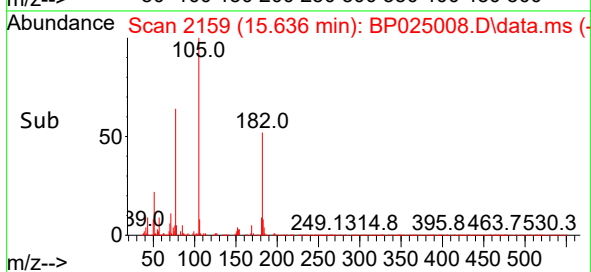
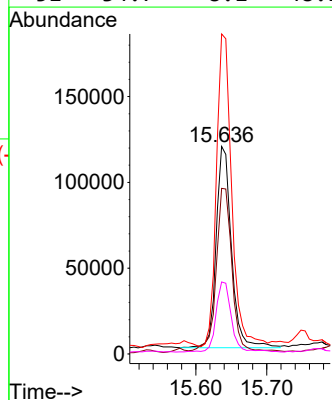
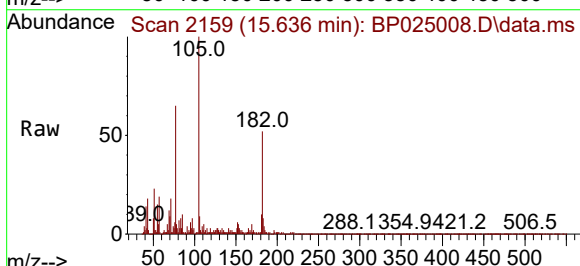
Instrument :
BNA_P
ClientSampleId :
NB-07-06182025

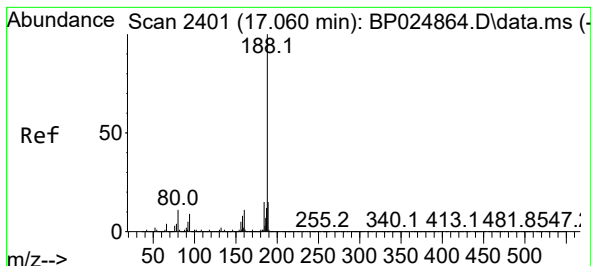
Tgt Ion:139 Resp: 208
Ion Ratio Lower Upper
139 100
109 380.3 53.1 93.1#
65 120.2 73.0 113.0#



#63
Azobenzene
Concen: 3.080 ng
RT: 15.636 min Scan# 2159
Delta R.T. 0.023 min
Lab File: BP025008.D
Acq: 19 Jun 2025 19:49

Tgt Ion: 77 Resp: 174468
Ion Ratio Lower Upper
77 100
182 79.8 5.4 45.4#
105 154.3 0.8 40.8#
51 34.7 8.1 48.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.066 min Scan# 2401

Delta R.T. 0.006 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

NB-07-06182025

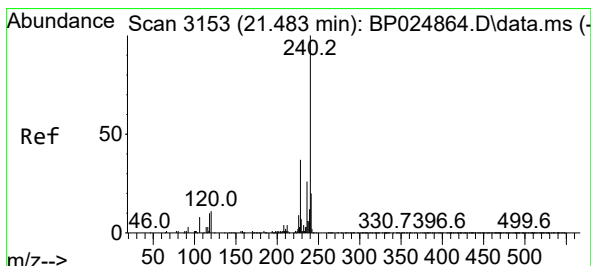
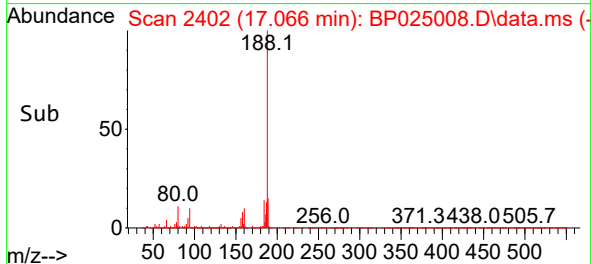
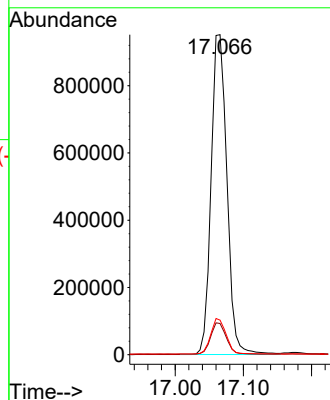
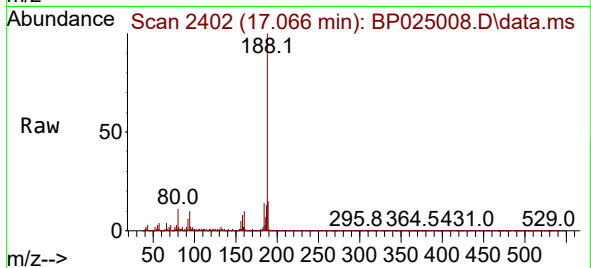
Tgt Ion:188 Resp: 1539236

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

80 10.8 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.507 min Scan# 3157

Delta R.T. 0.023 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

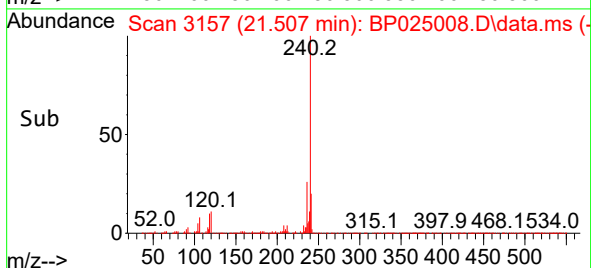
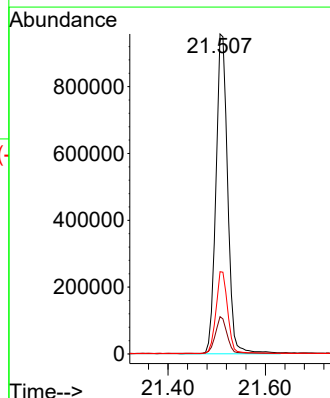
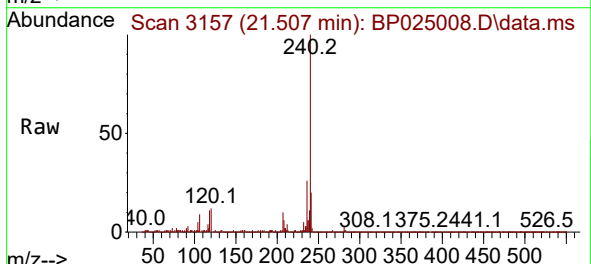
Tgt Ion:240 Resp: 1595238

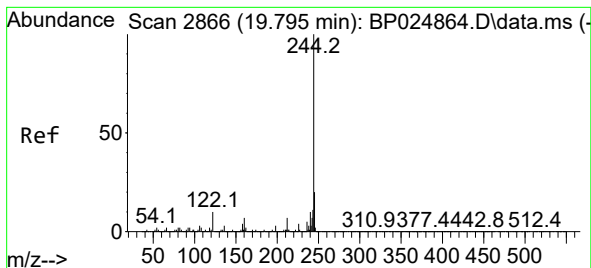
Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 51.268 ng

RT: 19.795 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

Instrument :

BNA_P

ClientSampleId :

NB-07-06182025

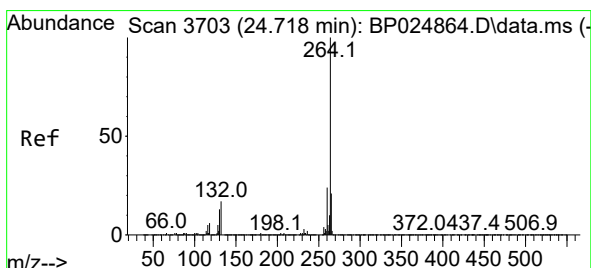
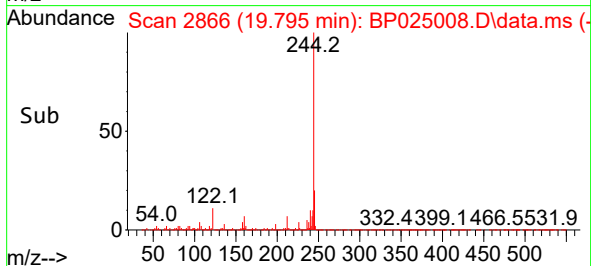
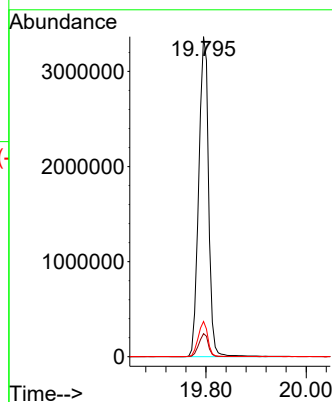
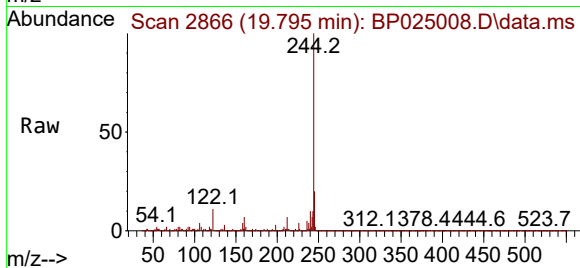
Tgt Ion:244 Resp: 4563283

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.0 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.777 min Scan# 3713

Delta R.T. 0.059 min

Lab File: BP025008.D

Acq: 19 Jun 2025 19:49

Tgt Ion:264 Resp: 1900715

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.1 17.4 26.0

