

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP025001.D
 Acq On : 18 Jun 2025 19:34
 Operator : RC/JU
 Sample : Q2341-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EP-3

Quant Time: Jun 19 01:26:36 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)

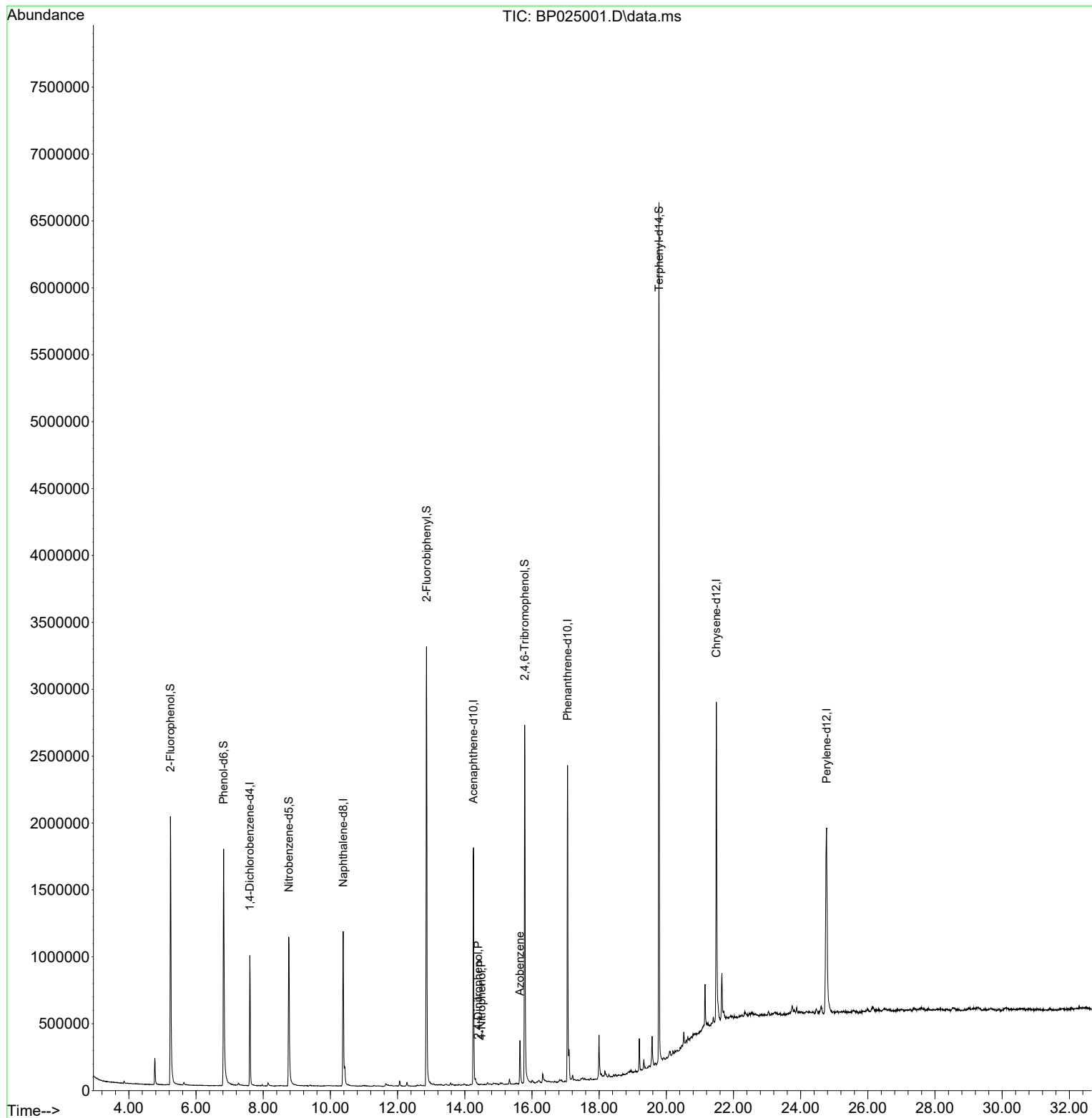
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	266254	20.000	ng	-0.01
21) Naphthalene-d8	10.378	136	1061475	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	688355	20.000	ng	0.01
64) Phenanthrene-d10	17.060	188	1363082	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1475731	20.000	ng	0.00
86) Perylene-d12	24.771	264	1694114	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1089381	68.296	ng	0.00
7) Phenol-d6	6.819	99	1377825	65.285	ng	0.00
23) Nitrobenzene-d5	8.760	82	850873	38.952	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	612229	64.331	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1915869	37.494	ng	0.00
79) Terphenyl-d14	19.783	244	3168213	38.477	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.395	184	26	5.567	ng	# 1
56) 4-Nitrophenol	14.501	139	156	5.424	ng	# 1
63) Azobenzene	15.642	77	114528	2.468	ng	# 1

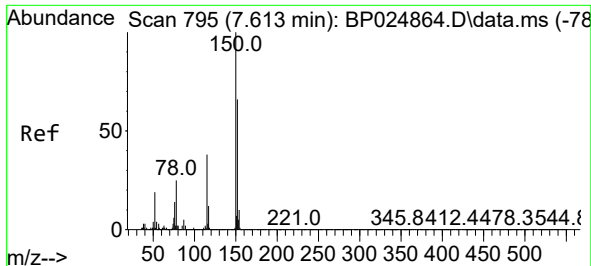
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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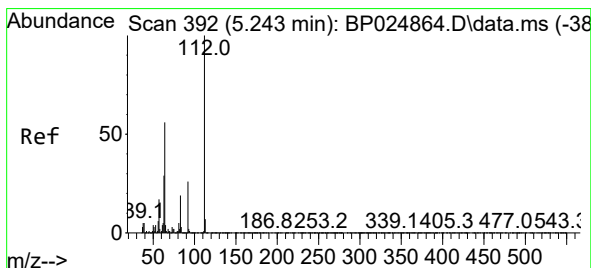
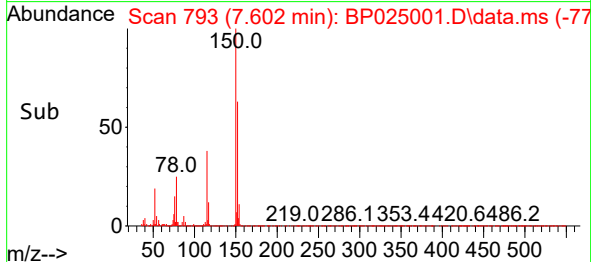
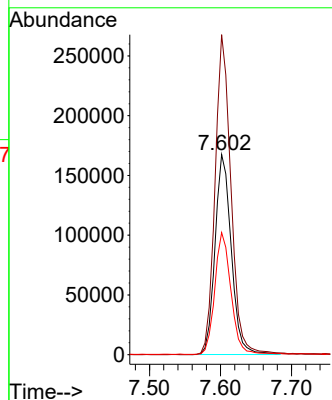
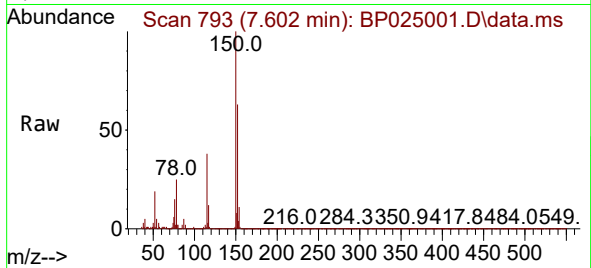




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

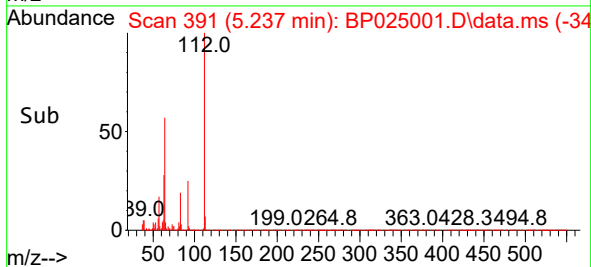
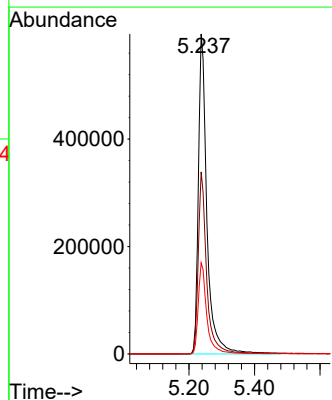
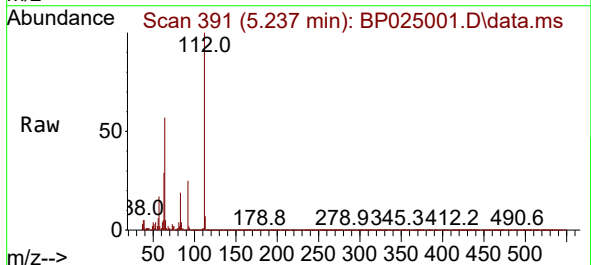
Instrument :
BNA_P
ClientSampleId :
EP-3

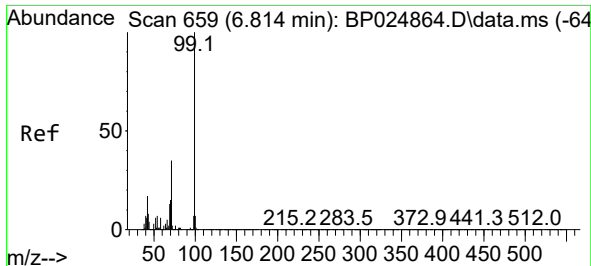
Tgt Ion:152 Resp: 266254
Ion Ratio Lower Upper
152 100
150 159.8 122.1 183.1
115 60.9 46.4 69.6



#5
2-Fluorophenol
Concen: 68.296 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

Tgt Ion:112 Resp: 1089381
Ion Ratio Lower Upper
112 100
64 56.9 44.7 67.1
63 28.5 23.5 35.3

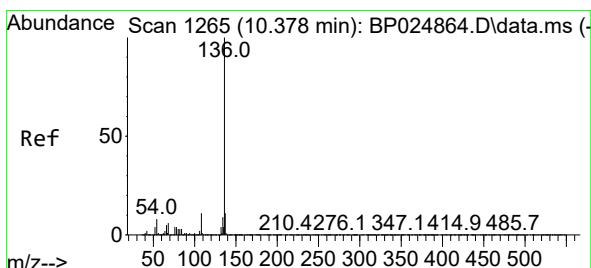
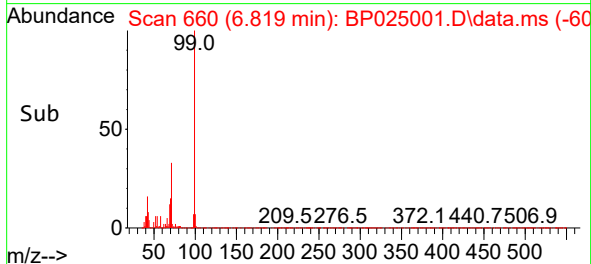
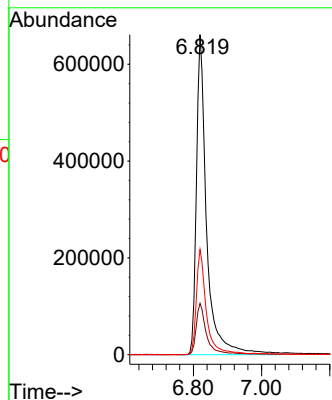
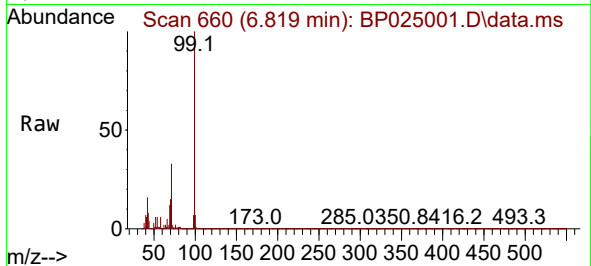




#7
Phenol-d6
Concen: 65.285 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

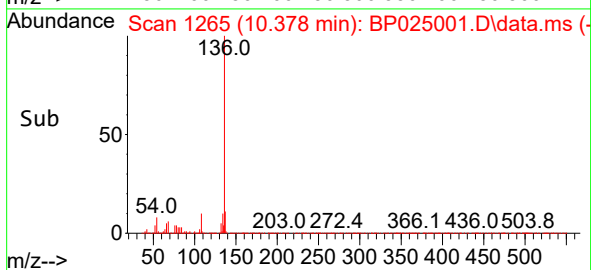
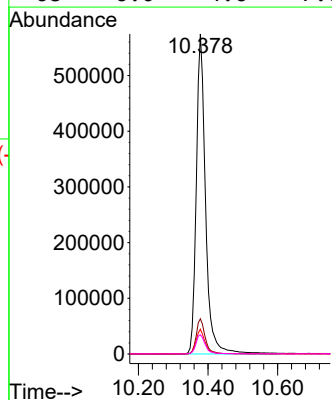
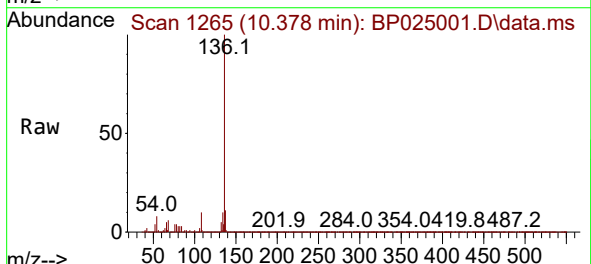
Instrument :
BNA_P
ClientSampleId :
EP-3

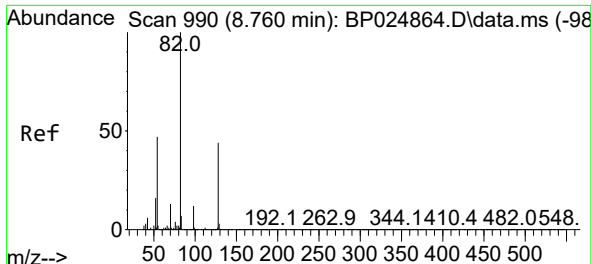
Tgt Ion: 99 Resp: 1377825
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 32.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

Tgt Ion: 136 Resp: 1061475
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.1 9.1
68 6.0 4.6 7.0

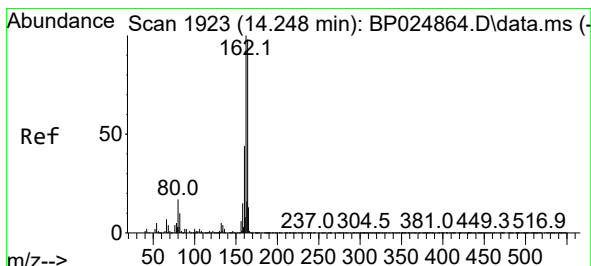
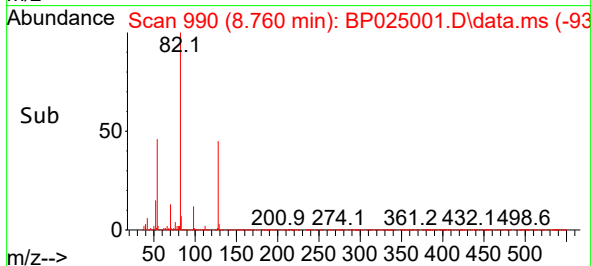
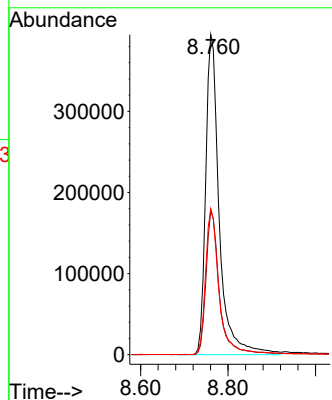
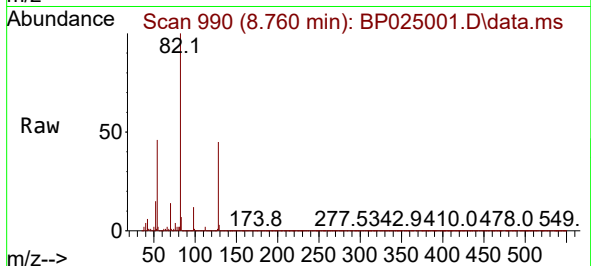




#23
Nitrobenzene-d5
Concen: 38.952 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

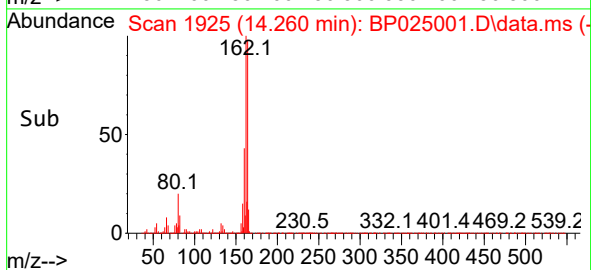
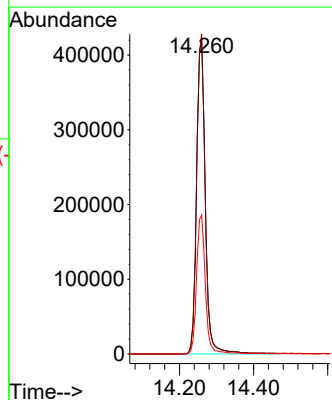
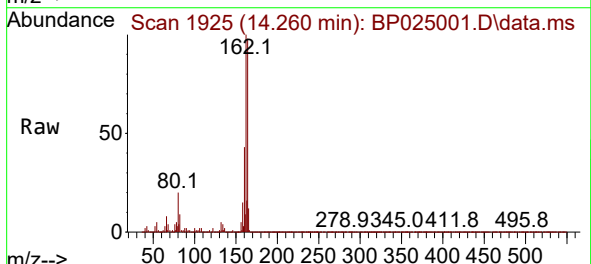
Instrument :
BNA_P
ClientSampleId :
EP-3

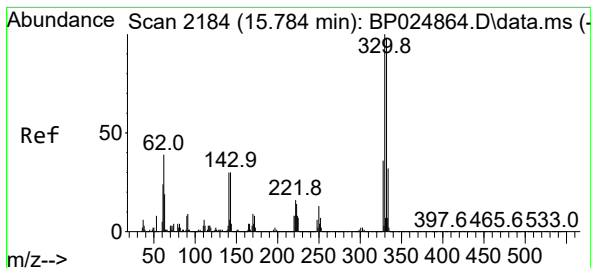
Tgt Ion: 82 Resp: 850873
Ion Ratio Lower Upper
82 100
128 44.9 35.3 52.9
54 45.7 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

Tgt Ion:164 Resp: 688355
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 44.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 64.331 ng

RT: 15.783 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP025001.D

Acq: 18 Jun 2025 19:34

Instrument :

BNA_P

ClientSampleId :

EP-3

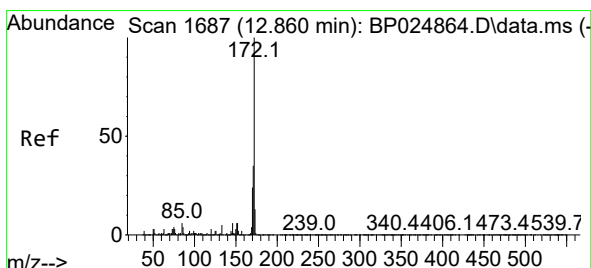
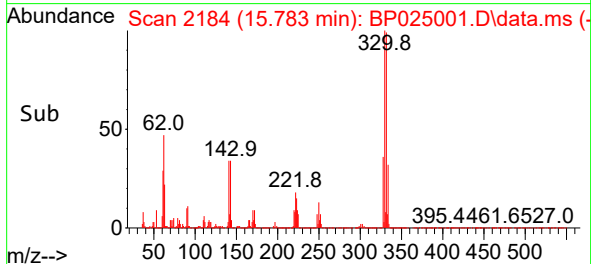
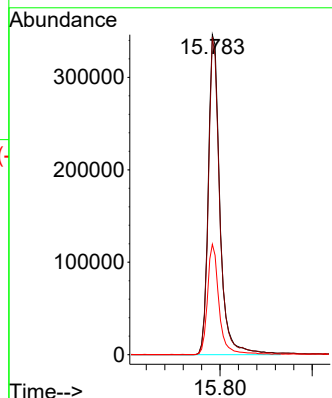
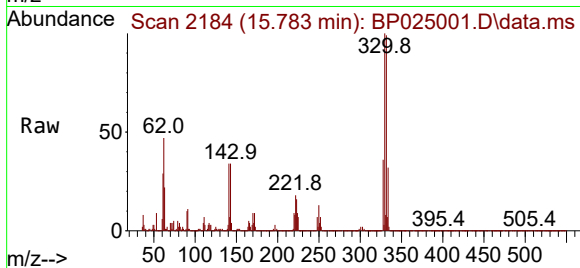
Tgt Ion:330 Resp: 612229

Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

141 34.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 37.494 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP025001.D

Acq: 18 Jun 2025 19:34

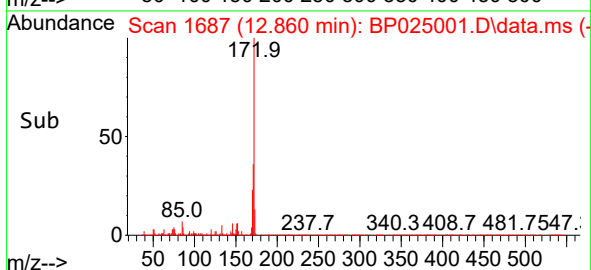
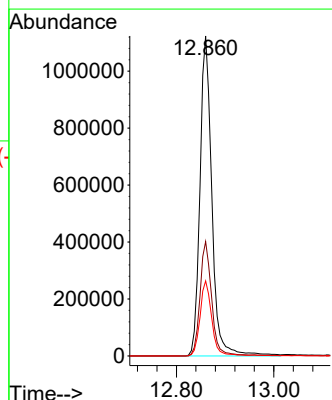
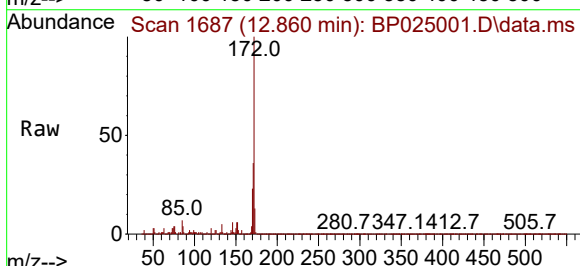
Tgt Ion:172 Resp: 1915869

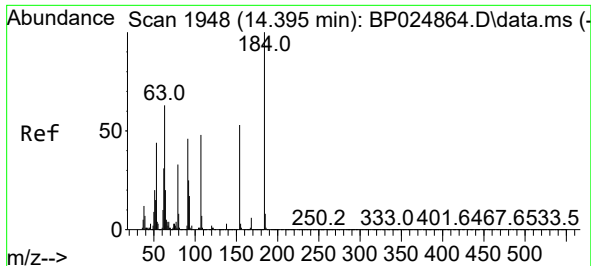
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.4 19.0 28.4

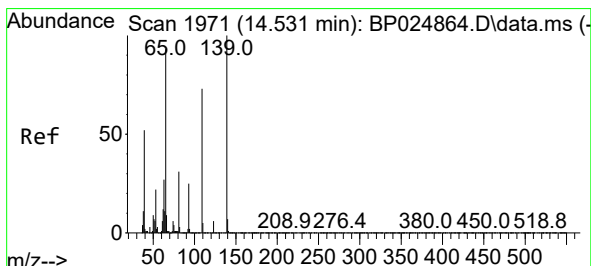
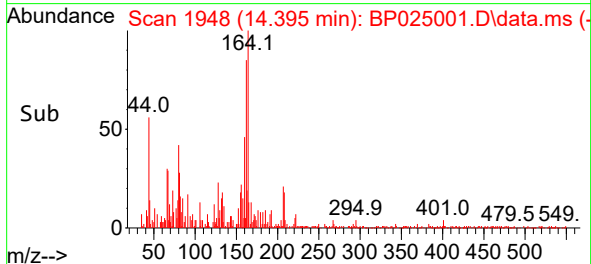
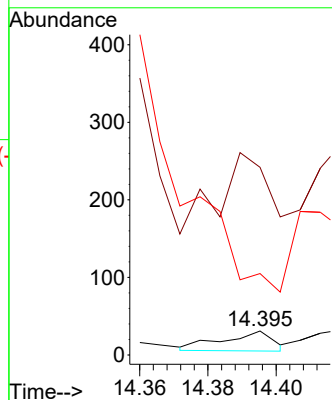
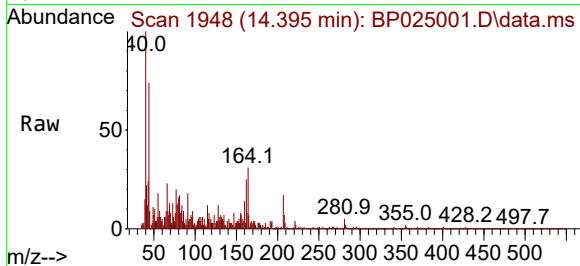




#54
2,4-Dinitrophenol
Concen: 5.567 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

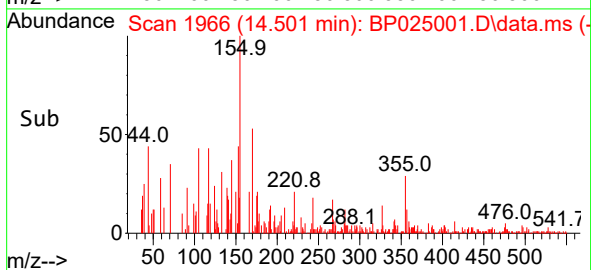
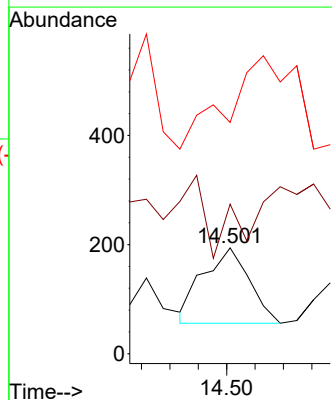
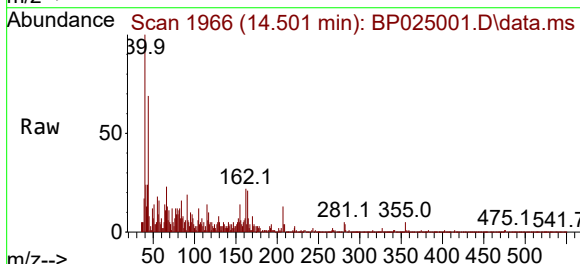
Instrument :
BNA_P
ClientSampleId :
EP-3

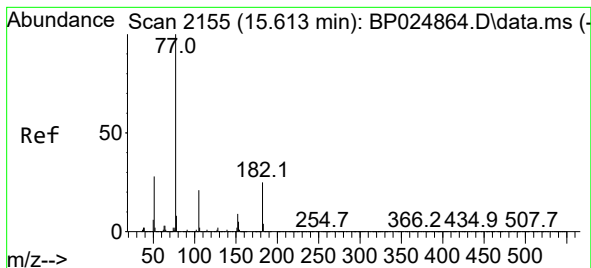
Tgt Ion:184 Resp: 26
Ion Ratio Lower Upper
184 100
63 780.6 51.0 76.4#
154 338.7 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.424 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.030 min
Lab File: BP025001.D
Acq: 18 Jun 2025 19:34

Tgt Ion:139 Resp: 156
Ion Ratio Lower Upper
139 100
109 141.2 53.1 93.1#
65 218.6 73.0 113.0#





#63

Azobenzene

Concen: 2.468 ng

RT: 15.642 min Scan# 2155

Delta R.T. 0.029 min

Lab File: BP025001.D

Acq: 18 Jun 2025 19:34

Instrument :

BNA_P

ClientSampleId :

EP-3

Tgt Ion: 77 Resp: 114528

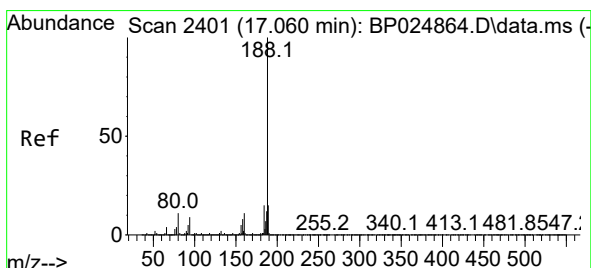
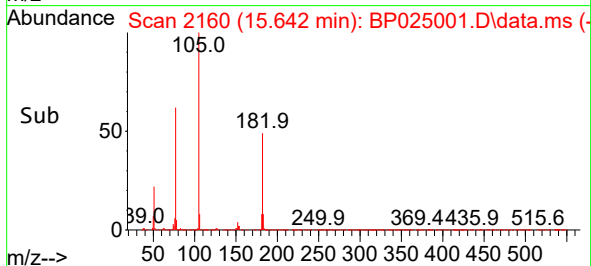
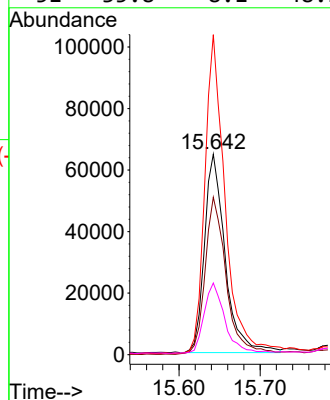
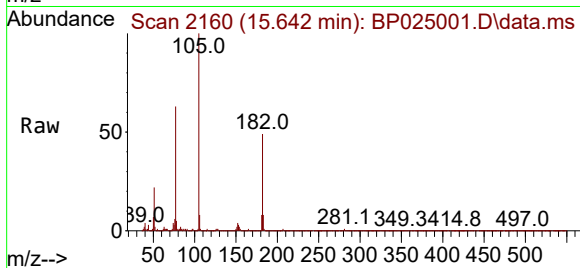
Ion Ratio Lower Upper

77 100

182 78.5 5.4 45.4#

105 159.7 0.8 40.8#

51 35.8 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: BP025001.D

Acq: 18 Jun 2025 19:34

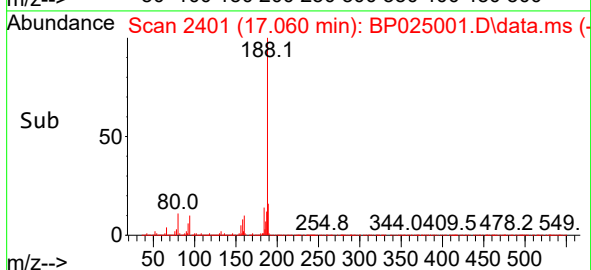
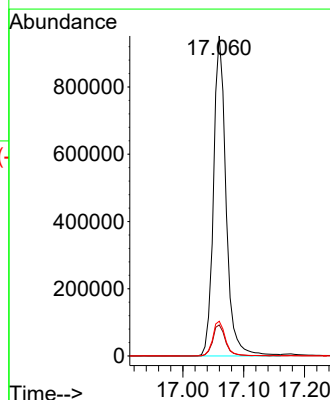
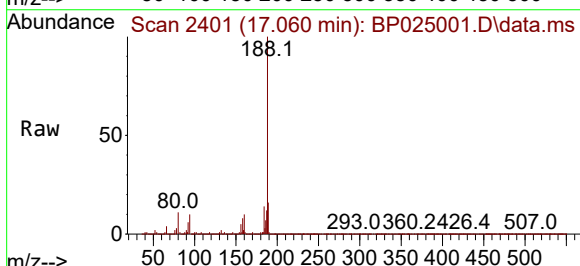
Tgt Ion:188 Resp: 1363082

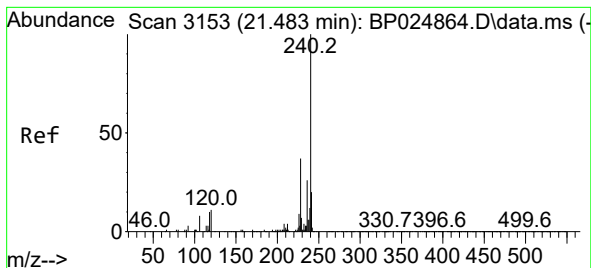
Ion Ratio Lower Upper

188 100

94 9.7 7.3 10.9

80 10.8 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3153

Delta R.T. 0.006 min

Lab File: BP025001.D

Acq: 18 Jun 2025 19:34

Instrument :

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ClientSampleId :

EP-3

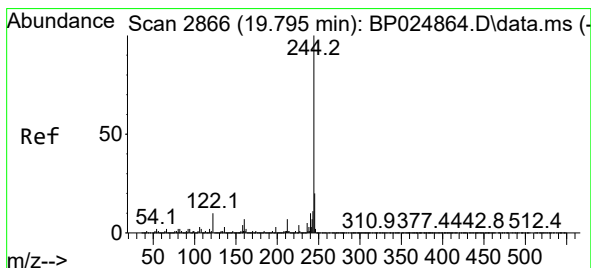
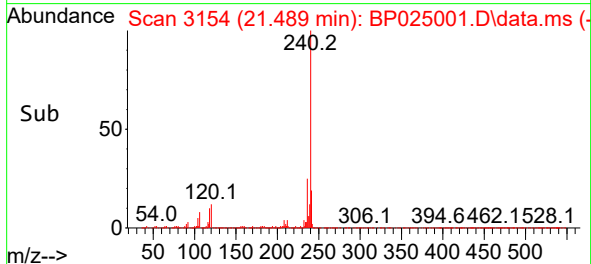
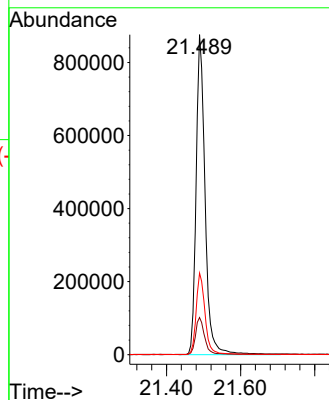
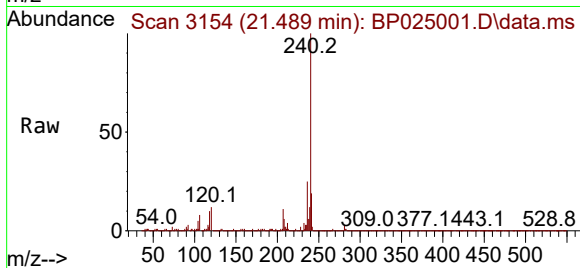
Tgt Ion:240 Resp: 1475731

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

236 25.5 20.9 31.3



#79

Terphenyl-d14

Concen: 38.477 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP025001.D

Acq: 18 Jun 2025 19:34

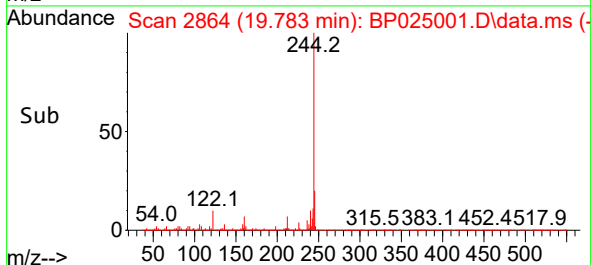
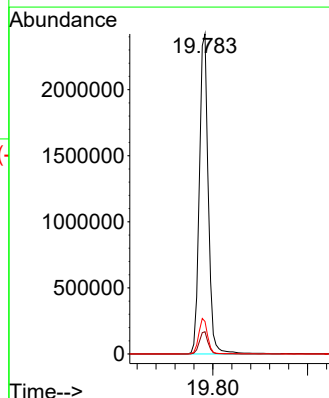
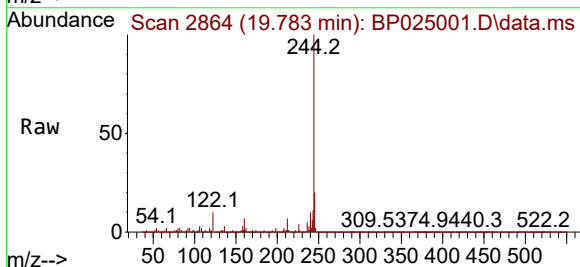
Tgt Ion:244 Resp: 3168213

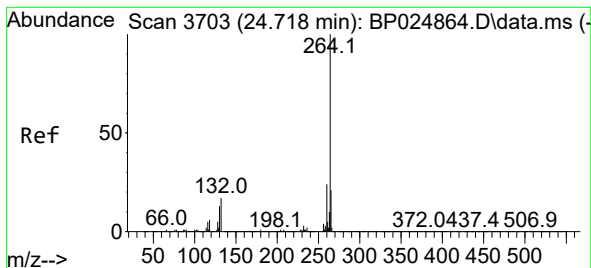
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.1 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.771 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP025001.D

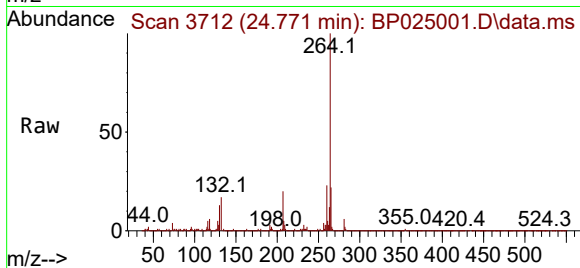
Acq: 18 Jun 2025 19:34

Instrument :

BNA_P

ClientSampleId :

EP-3



Tgt Ion:264 Resp: 1694114

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.5 17.4 26.0

