

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062025\
 Data File : BP025022.D
 Acq On : 20 Jun 2025 17:44
 Operator : RC/JU
 Sample : Q2367-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EP-5

Quant Time: Jun 20 18:12:19 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)

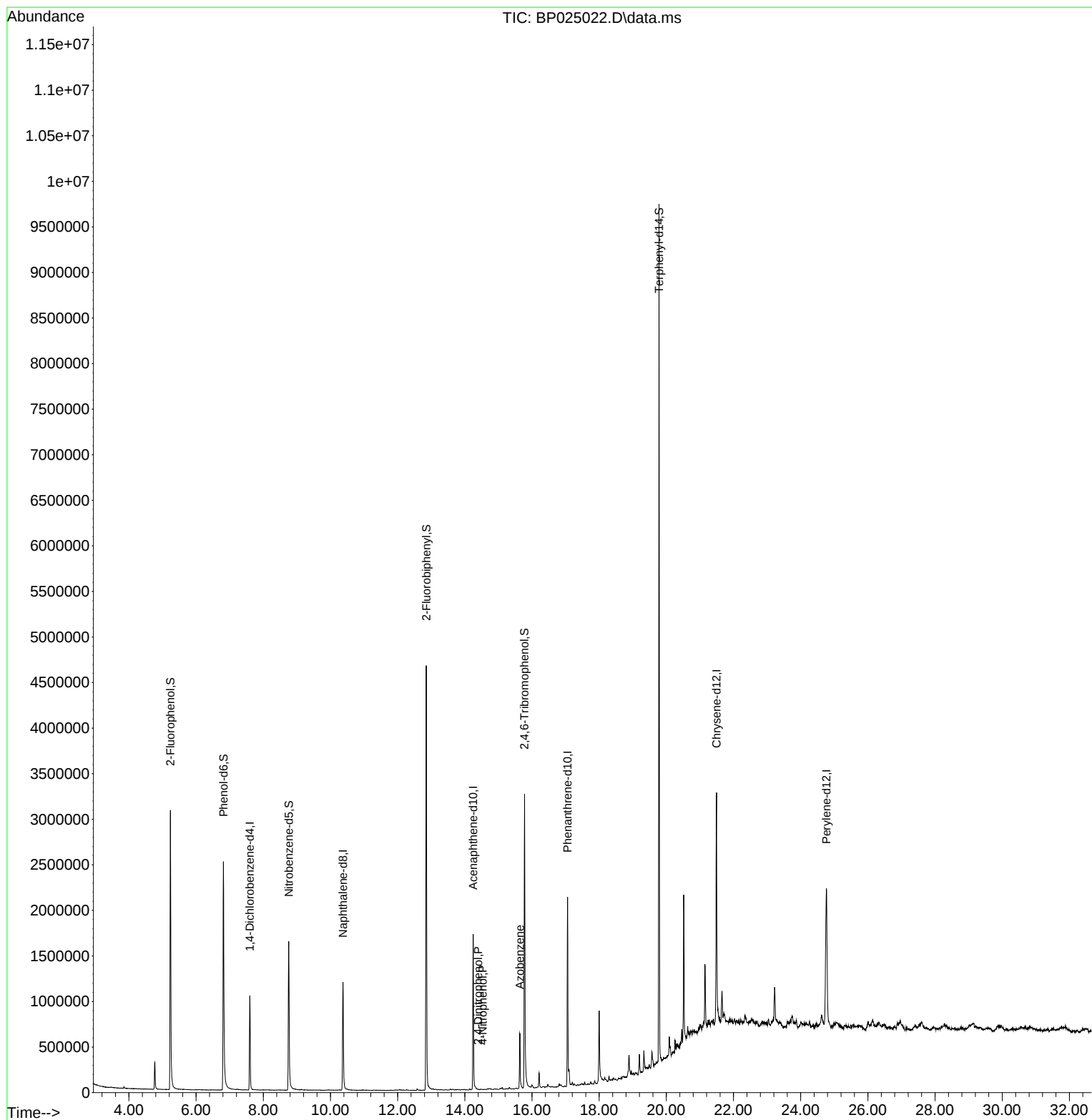
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	311251	20.000	ng	-0.01
21) Naphthalene-d8	10.372	136	1096517	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	630619	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1209579	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1491827	20.000	ng	0.01
86) Perylene-d12	24.765	264	1852601	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1592887	85.425	ng	0.00
7) Phenol-d6	6.813	99	1869305	75.768	ng	0.00
23) Nitrobenzene-d5	8.760	82	1148534	50.898	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	789085	90.505	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2527791	53.998	ng	0.00
79) Terphenyl-d14	19.783	244	3926249	47.169	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.395	184	20	5.566	ng	# 1
56) 4-Nitrophenol	14.531	139	92	5.419	ng	# 1
63) Azobenzene	15.636	77	206893	4.866	ng	# 1

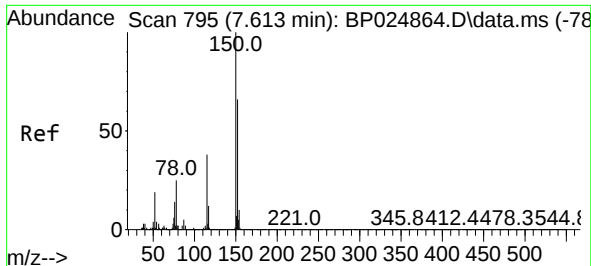
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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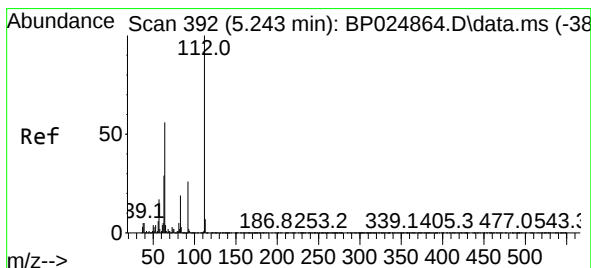
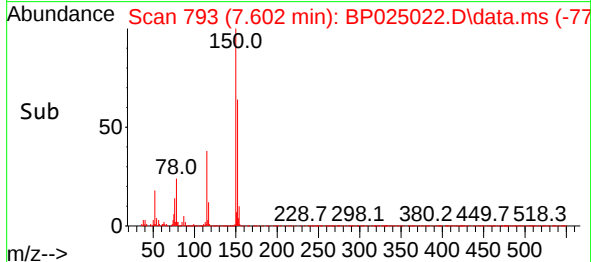
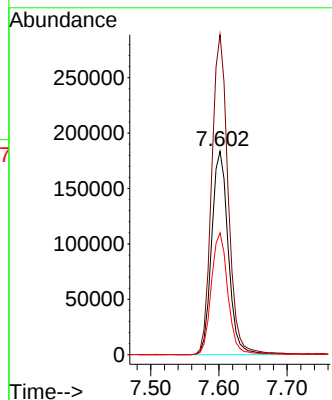
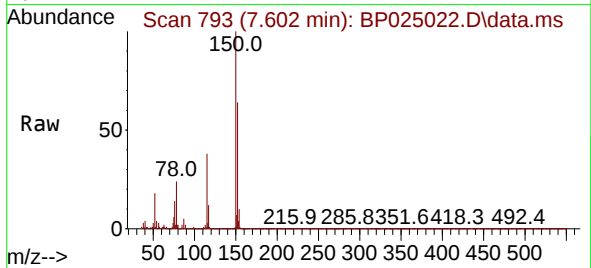




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

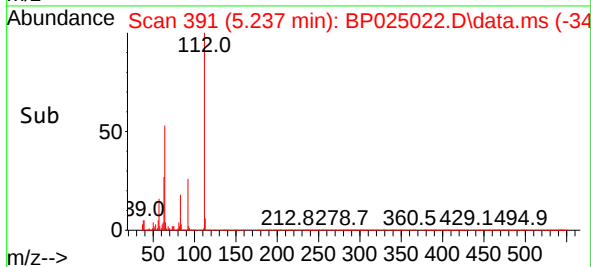
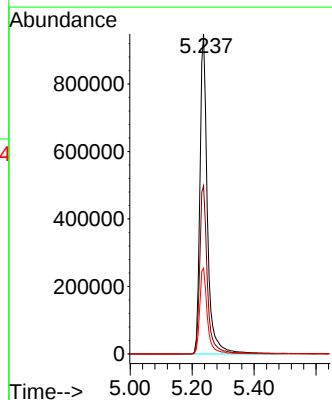
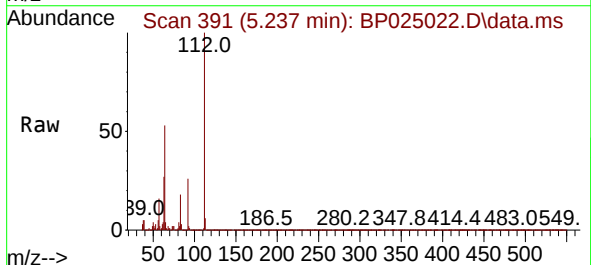
Instrument :
BNA_P
ClientSampleId :
EP-5

Tgt Ion:152 Resp: 311251
Ion Ratio Lower Upper
152 100
150 157.3 122.1 183.1
115 59.8 46.4 69.6



#5
2-Fluorophenol
Concen: 85.425 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

Tgt Ion:112 Resp: 1592887
Ion Ratio Lower Upper
112 100
64 52.6 44.7 67.1
63 26.8 23.5 35.3

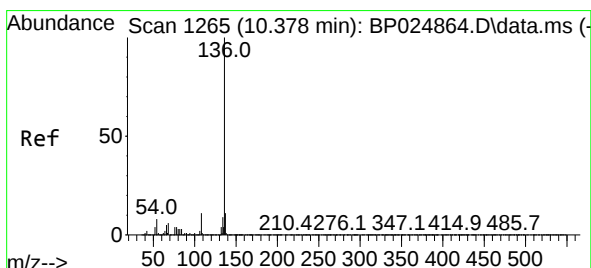
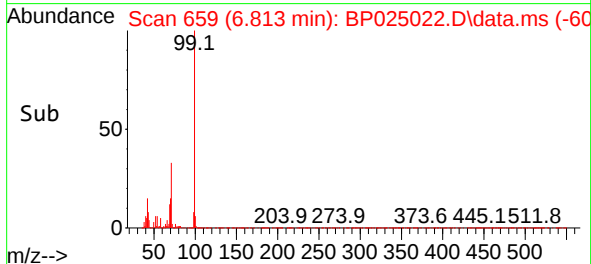
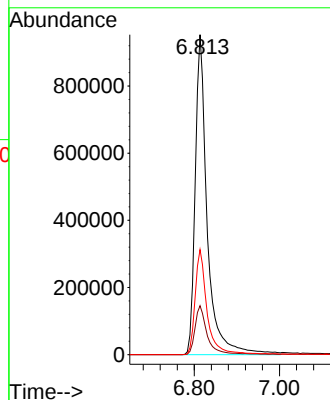
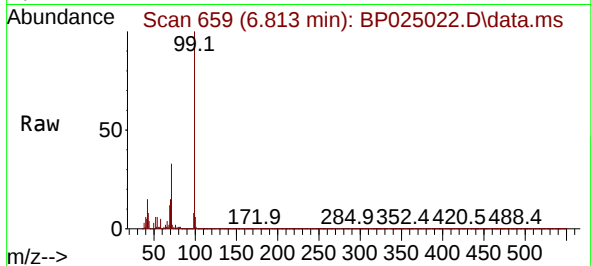




#7
Phenol-d6
Concen: 75.768 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

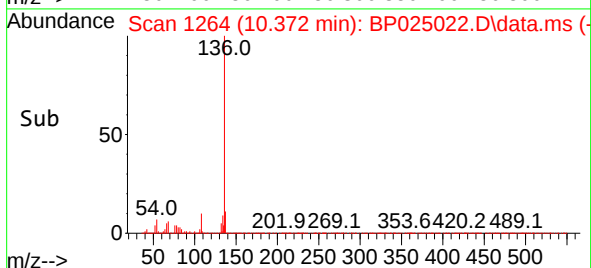
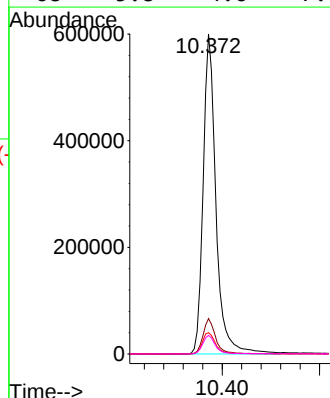
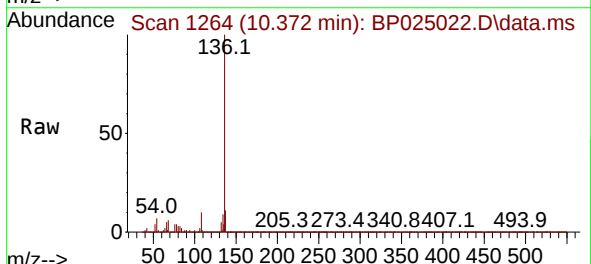
Instrument :
BNA_P
ClientSampleId :
EP-5

Tgt Ion: 99 Resp: 1869305
Ion Ratio Lower Upper
99 100
42 15.3 13.4 20.2
71 32.8 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: BP025022.D
Acq: 20 Jun 2025 17:44

Tgt Ion:136 Resp: 1096517
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.7 6.1 9.1
68 5.8 4.6 7.0

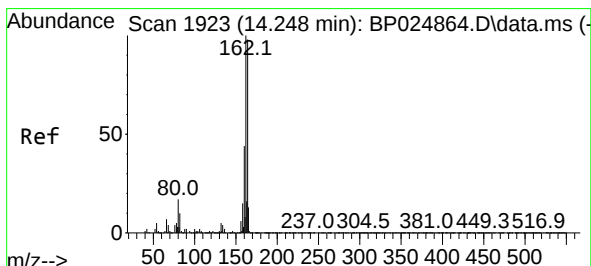
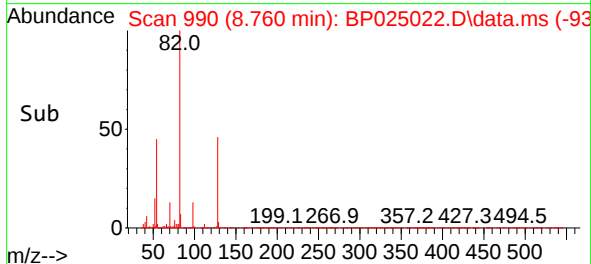
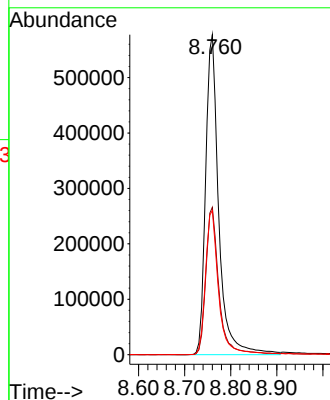
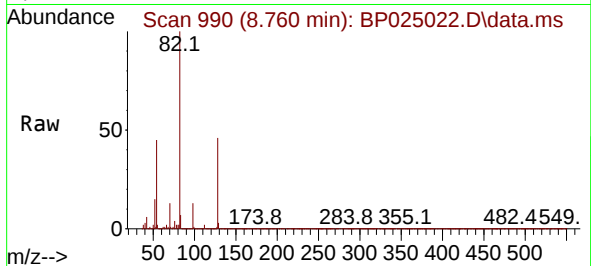




#23
 Nitrobenzene-d5
 Concen: 50.898 ng
 RT: 8.760 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: BP025022.D
 Acq: 20 Jun 2025 17:44

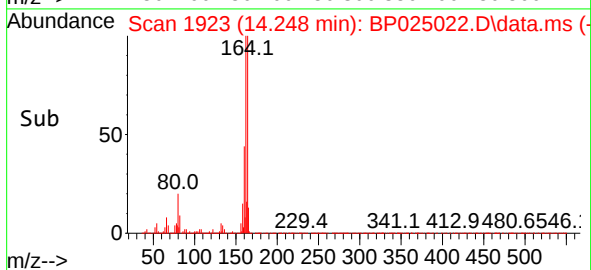
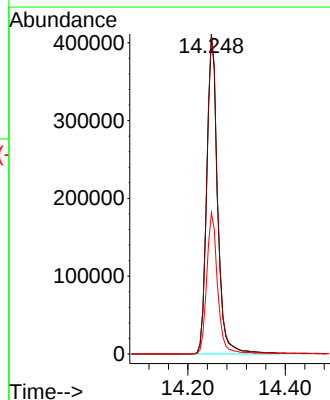
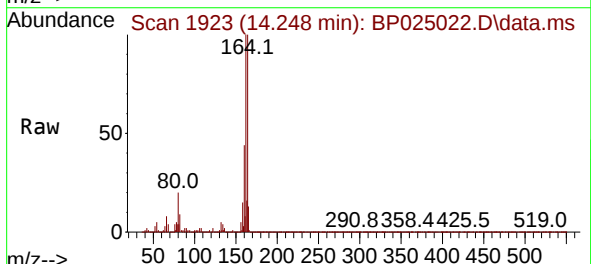
Instrument :
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 ClientSampleId :
 EP-5

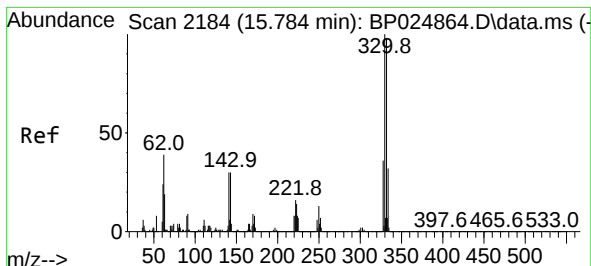
Tgt Ion: 82 Resp: 1148534
 Ion Ratio Lower Upper
 82 100
 128 46.1 35.3 52.9
 54 45.0 37.4 56.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.248 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BP025022.D
 Acq: 20 Jun 2025 17:44

Tgt Ion:164 Resp: 630619
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.6 122.4
 160 44.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 90.505 ng

RT: 15.778 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025022.D

Acq: 20 Jun 2025 17:44

Instrument :

BNA_P

ClientSampleId :

EP-5

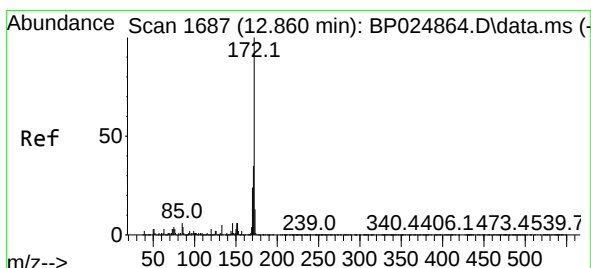
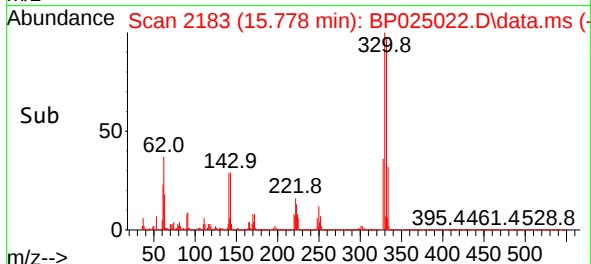
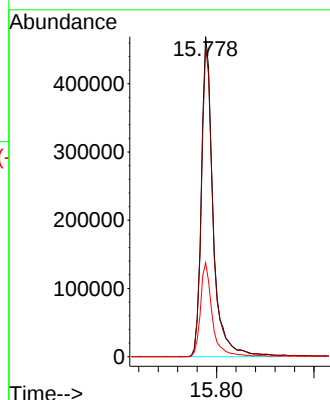
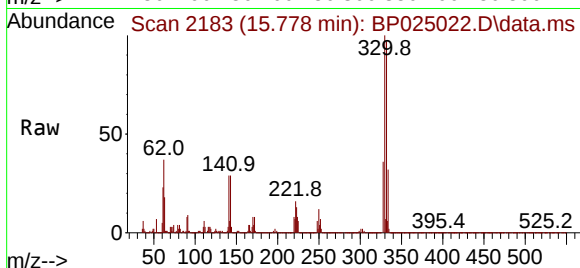
Tgt Ion:330 Resp: 789085

Ion Ratio Lower Upper

330 100

332 97.2 77.7 116.5

141 29.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 53.998 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP025022.D

Acq: 20 Jun 2025 17:44

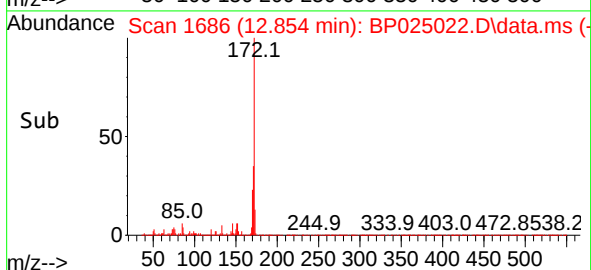
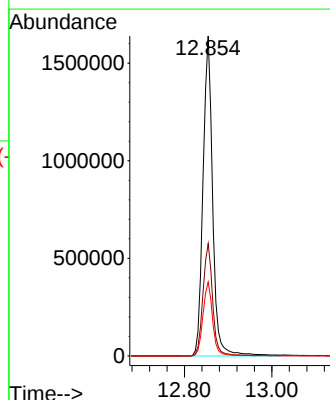
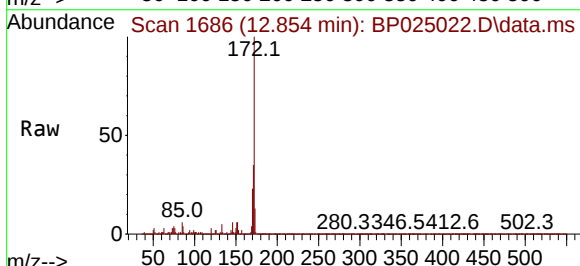
Tgt Ion:172 Resp: 2527791

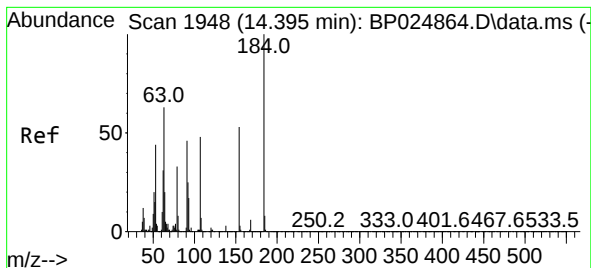
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 19.0 28.4

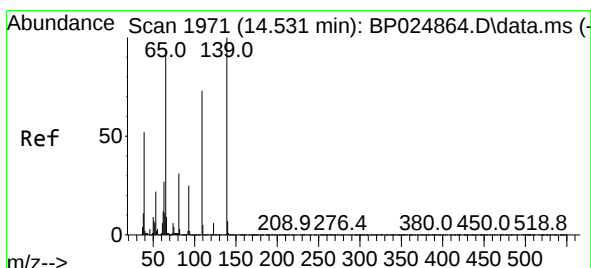
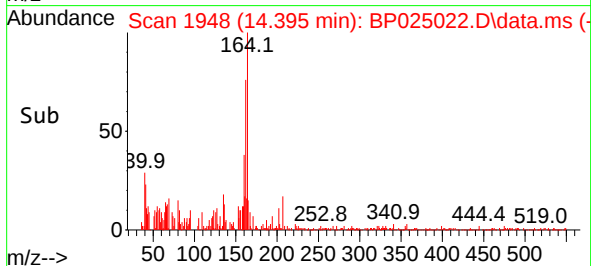
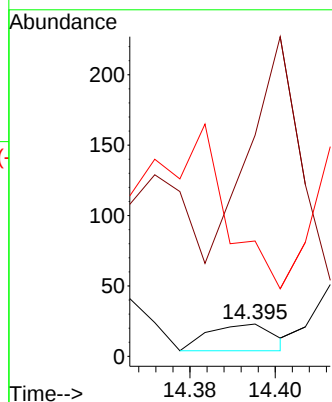
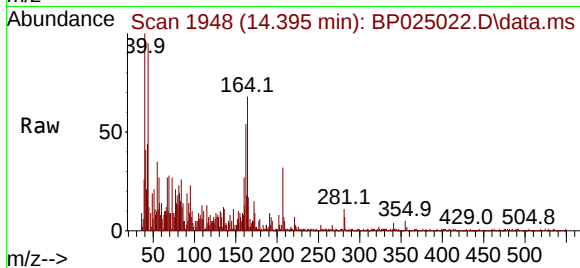




#54
2,4-Dinitrophenol
Concen: 5.566 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

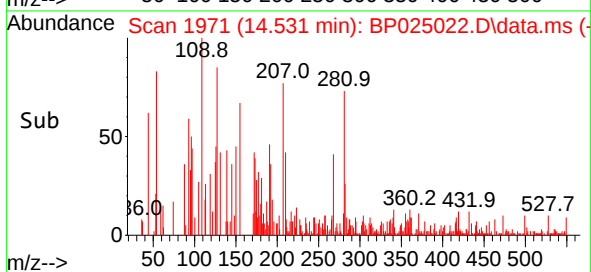
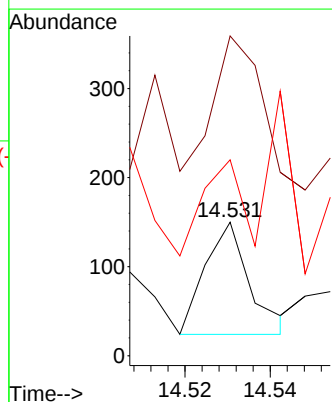
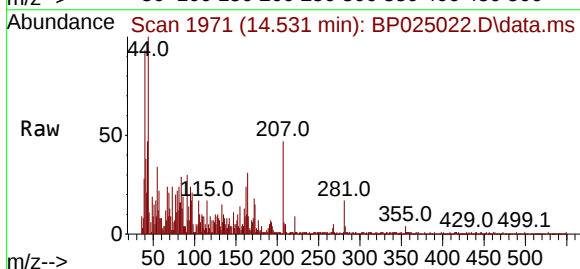
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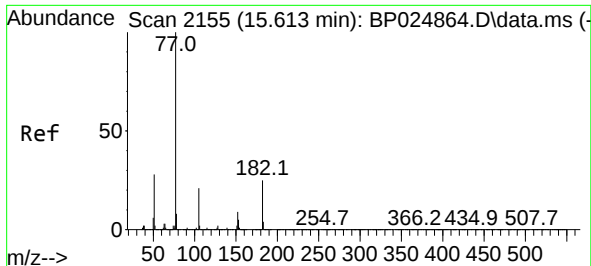
Tgt Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 682.6 51.0 76.4#
154 356.5 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.419 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

Tgt Ion:139 Resp: 92
Ion Ratio Lower Upper
139 100
109 239.3 53.1 93.1#
65 146.7 73.0 113.0#

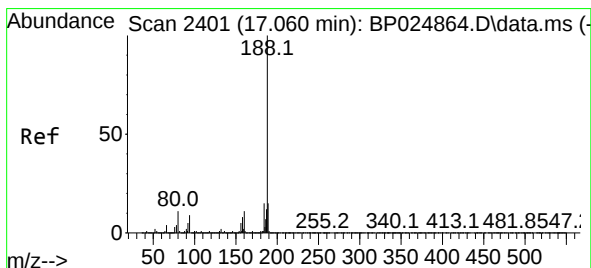
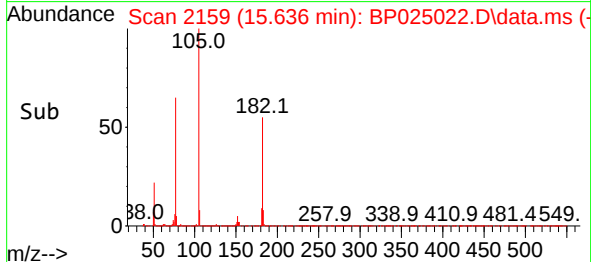
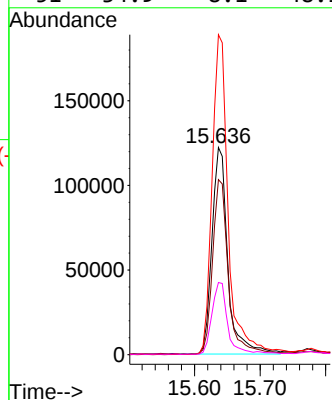
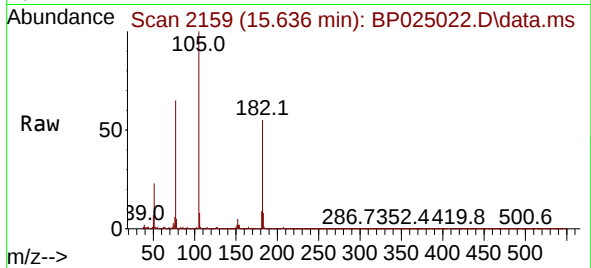




#63
Azobenzene
Concen: 4.866 ng
RT: 15.636 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

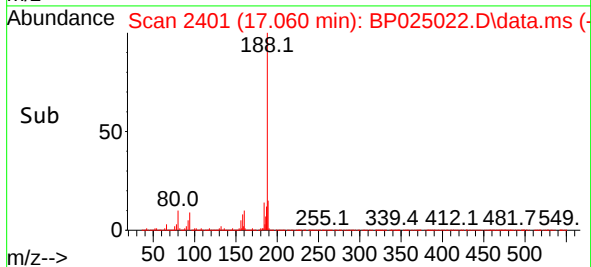
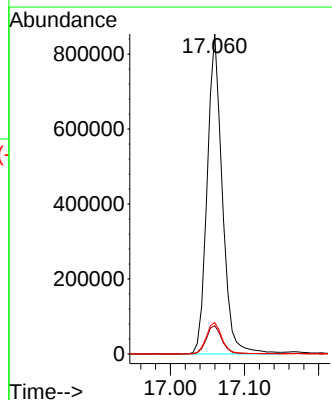
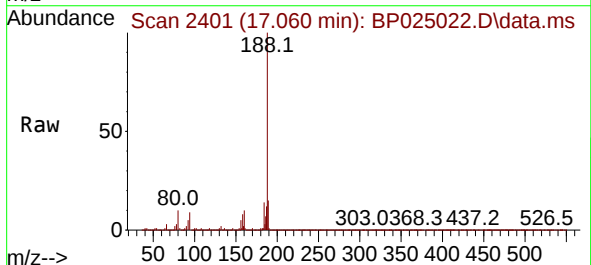
Instrument :
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ClientSampleId :
EP-5

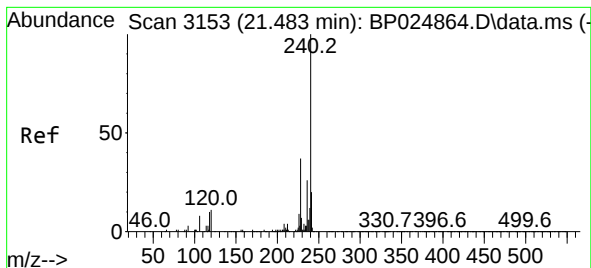
Tgt Ion: 77 Resp: 206893
Ion Ratio Lower Upper
77 100
182 84.5 5.4 45.4#
105 154.4 0.8 40.8#
51 34.9 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP025022.D
Acq: 20 Jun 2025 17:44

Tgt Ion: 188 Resp: 1209579
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 9.8 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: BP025022.D

Acq: 20 Jun 2025 17:44

Instrument :

BNA_P

ClientSampleId :

EP-5

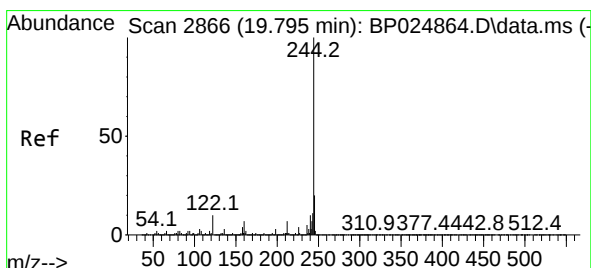
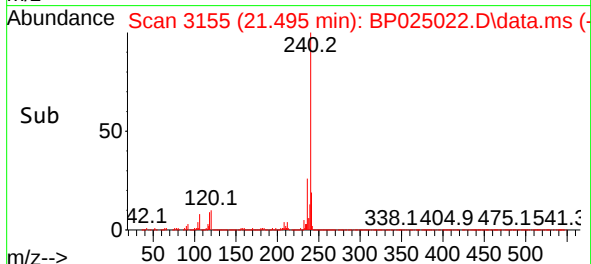
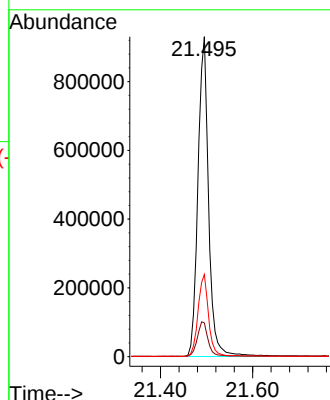
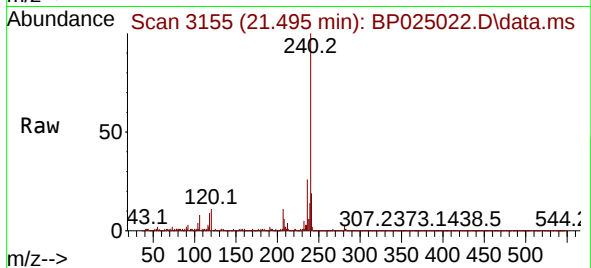
Tgt Ion:240 Resp: 1491827

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.7 20.9 31.3



#79

Terphenyl-d14

Concen: 47.169 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP025022.D

Acq: 20 Jun 2025 17:44

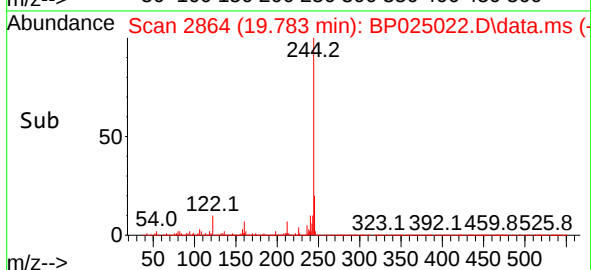
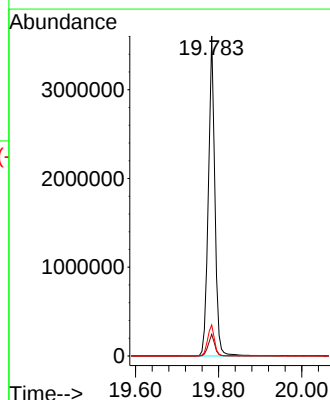
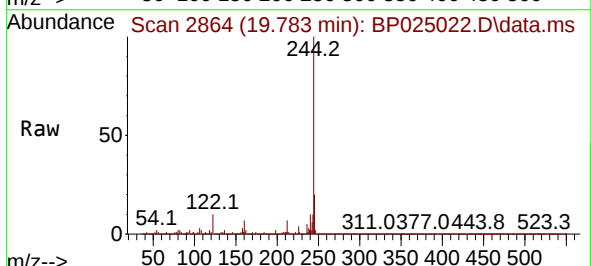
Tgt Ion:244 Resp: 3926249

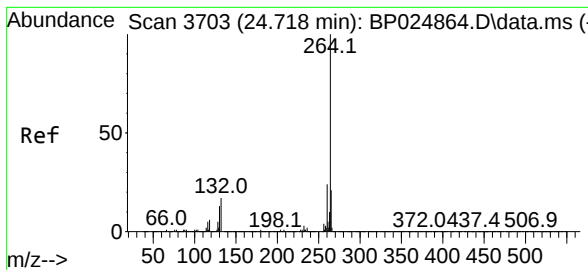
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.7 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.765 min Scan# 31
 Delta R.T. 0.047 min
 Lab File: BP025022.D
 Acq: 20 Jun 2025 17:44

Instrument :
 BNA_P
 ClientSampleId :
 EP-5

Tgt Ion:264 Resp: 1852601

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.1	17.4	26.0

