

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP024998.D
 Acq On : 18 Jun 2025 17:30
 Operator : RC/JU
 Sample : Q2333-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-13

Quant Time: Jun 18 18:42:00 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)

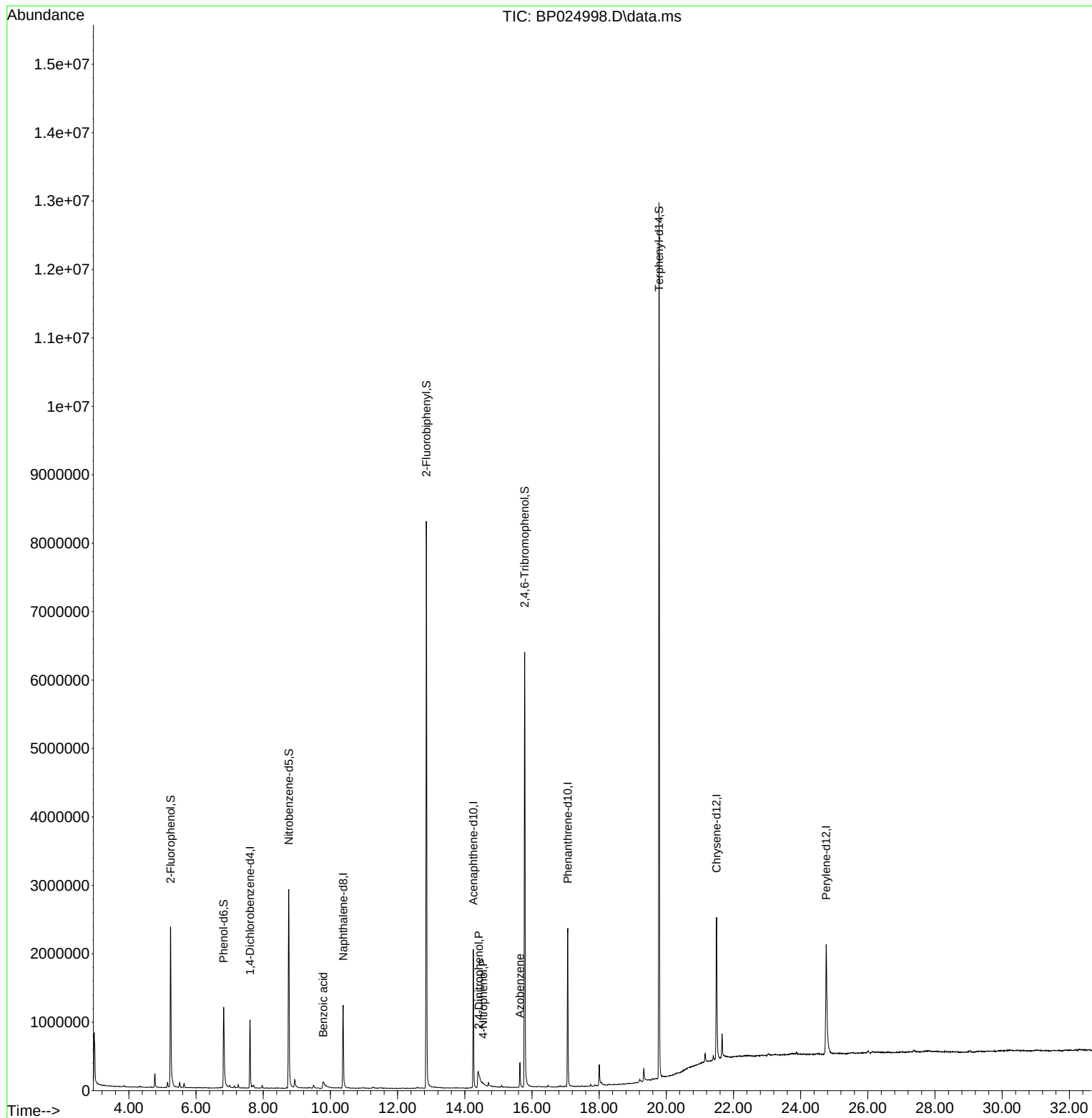
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	277507	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1098582	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	686732	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1378048	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1454707	20.000	ng	0.01
86) Perylene-d12	24.759	264	1598176	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1253209	75.380	ng	0.00
7) Phenol-d6	6.819	99	997486	45.347	ng	0.00
23) Nitrobenzene-d5	8.760	82	1973253	87.282	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	1482681	156.163	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	4321608	84.774	ng	0.00
79) Terphenyl-d14	19.783	244	6602602	81.346	ng	-0.01
Target Compounds						
32) Benzoic acid	9.784	122	24813	2.165	ng	94
54) 2,4-Dinitrophenol	14.419	184	67	5.572	ng	# 1
56) 4-Nitrophenol	14.548	139	1456	5.551	ng	# 1
63) Azobenzene	15.642	77	115870	2.502	ng	# 1

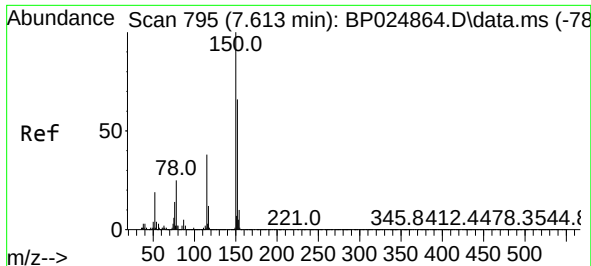
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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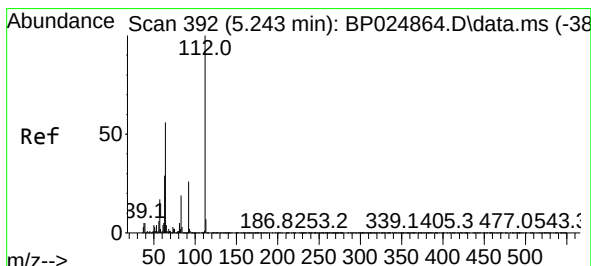
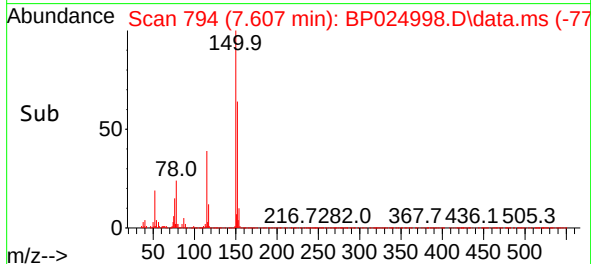
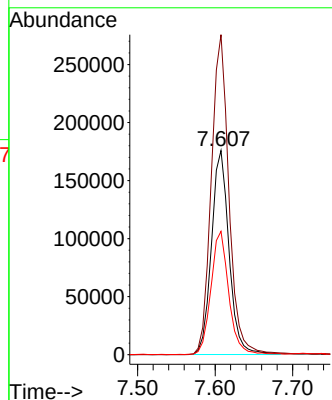
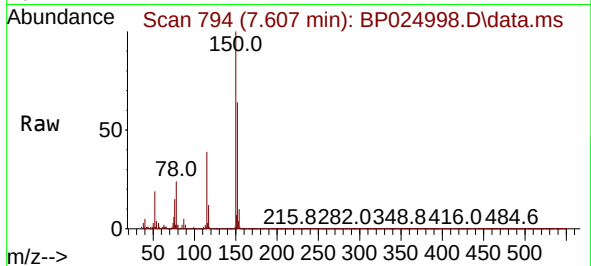




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

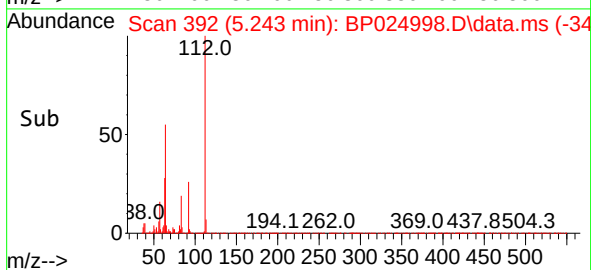
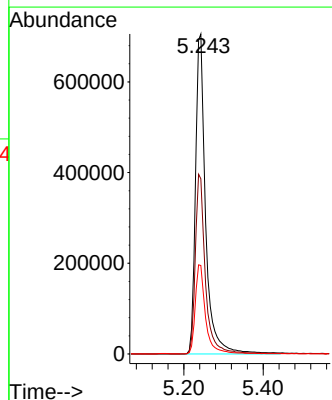
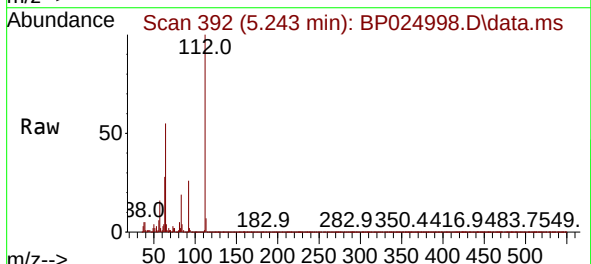
Instrument :
BNA_P
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MW-13

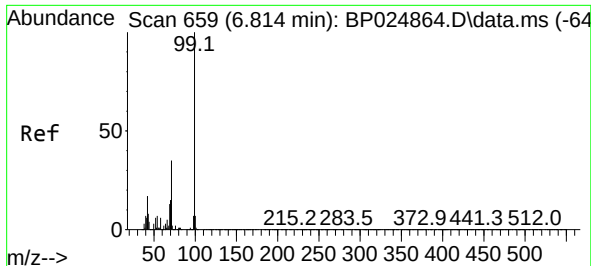
Tgt Ion:152 Resp: 277507
Ion Ratio Lower Upper
152 100
150 156.7 122.1 183.1
115 60.4 46.4 69.6



#5
2-Fluorophenol
Concen: 75.380 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

Tgt Ion:112 Resp: 1253209
Ion Ratio Lower Upper
112 100
64 54.8 44.7 67.1
63 27.7 23.5 35.3

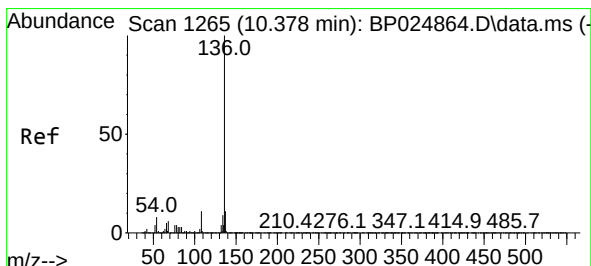
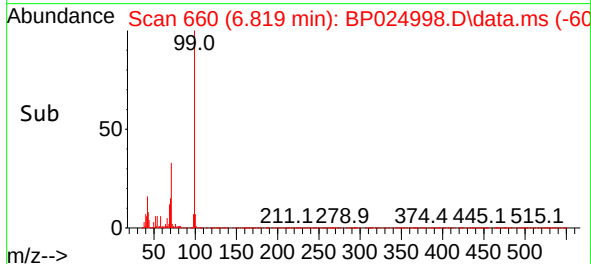
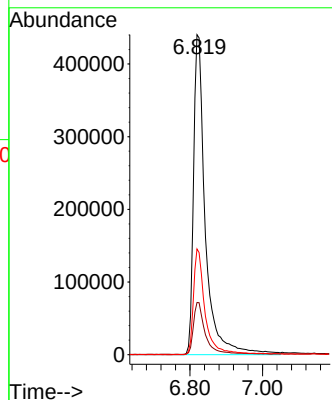
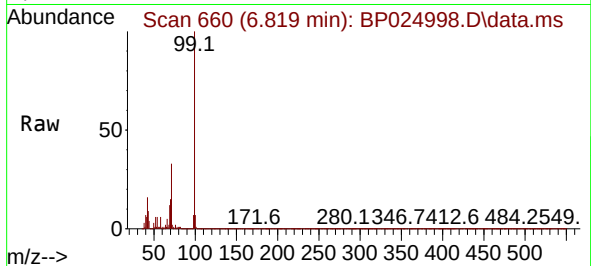




#7
Phenol-d6
Concen: 45.347 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

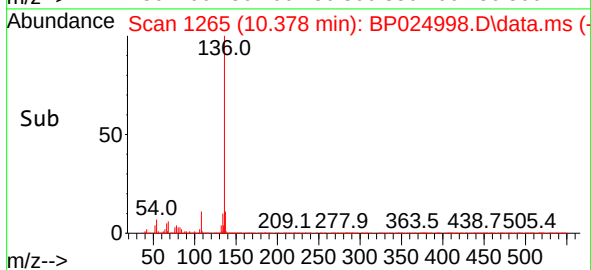
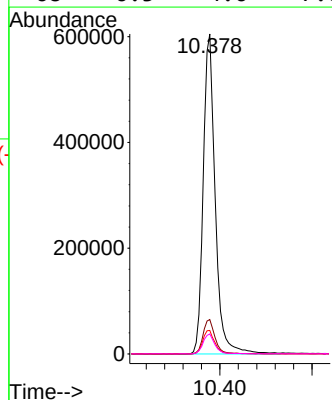
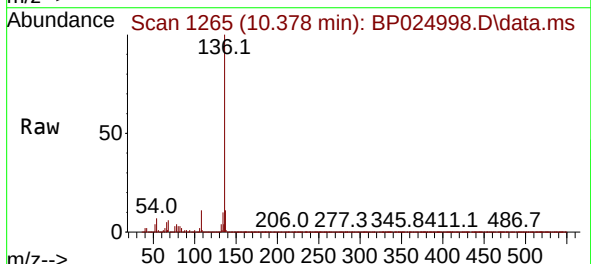
Instrument :
BNA_P
ClientSampleId :
MW-13

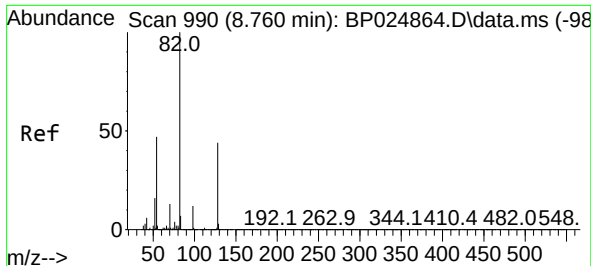
Tgt Ion: 99 Resp: 997486
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 33.1 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

Tgt Ion: 136 Resp: 1098582
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 6.1 9.1
68 6.3 4.6 7.0

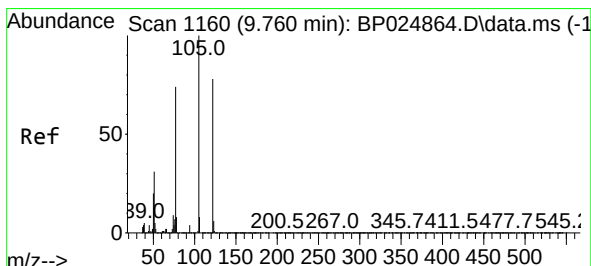
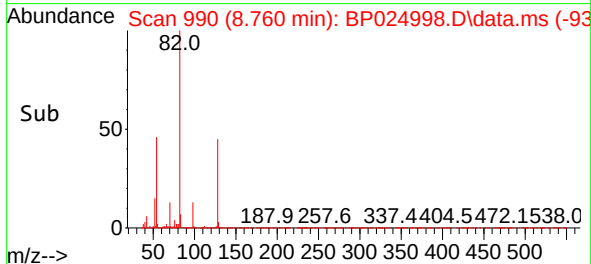
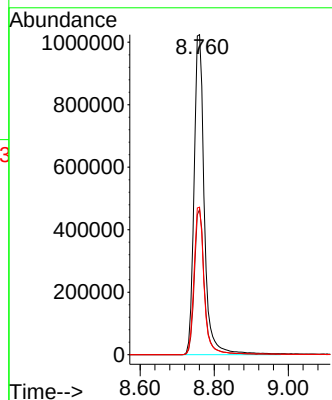
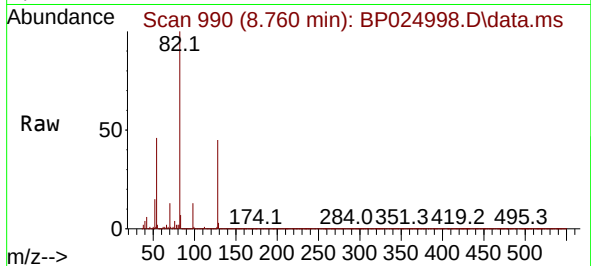




#23
 Nitrobenzene-d5
 Concen: 87.282 ng
 RT: 8.760 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: BP024998.D
 Acq: 18 Jun 2025 17:30

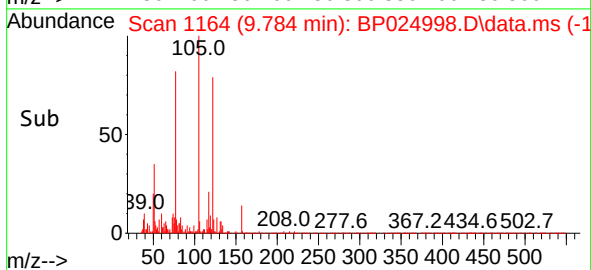
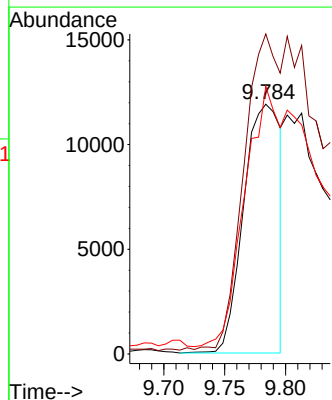
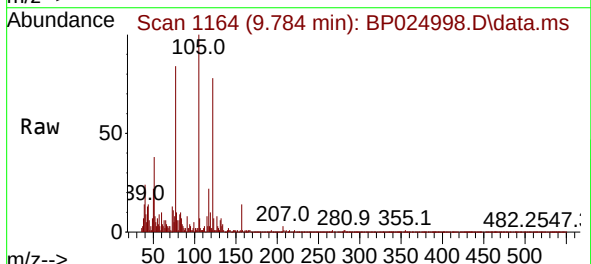
Instrument :
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 ClientSampleId :
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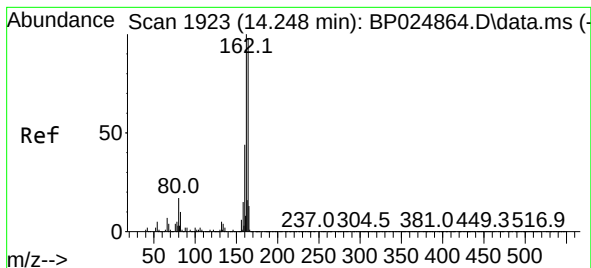
Tgt Ion: 82 Resp: 1973253
 Ion Ratio Lower Upper
 82 100
 128 45.4 35.3 52.9
 54 46.1 37.4 56.0



#32
 Benzoic acid
 Concen: 2.165 ng
 RT: 9.784 min Scan# 1164
 Delta R.T. 0.023 min
 Lab File: BP024998.D
 Acq: 18 Jun 2025 17:30

Tgt Ion: 122 Resp: 24813
 Ion Ratio Lower Upper
 122 100
 105 128.2 107.1 147.1
 77 107.1 75.1 115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.254 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BP024998.D

Acq: 18 Jun 2025 17:30

Instrument :

BNA_P

ClientSampleId :

MW-13

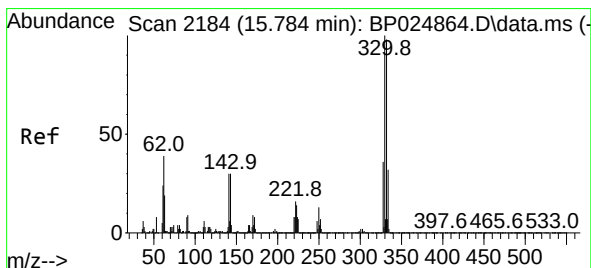
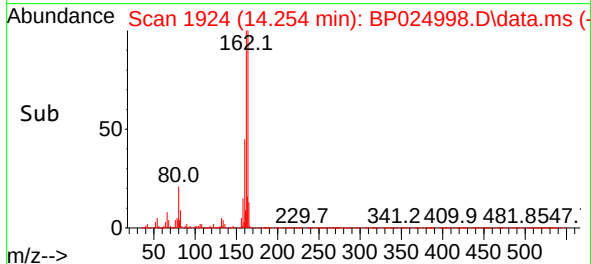
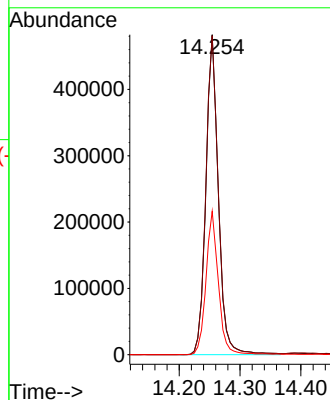
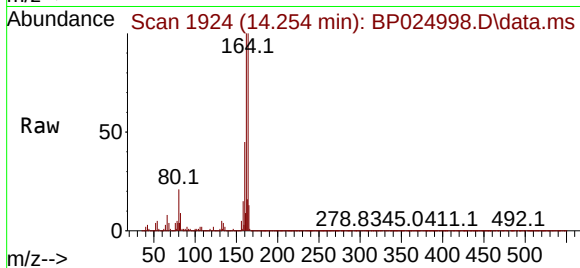
Tgt Ion:164 Resp: 686732

Ion Ratio Lower Upper

164 100

162 99.7 81.6 122.4

160 44.8 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 156.163 ng

RT: 15.783 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP024998.D

Acq: 18 Jun 2025 17:30

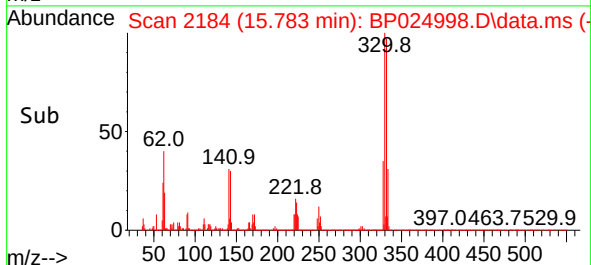
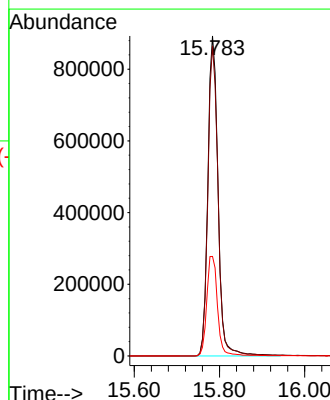
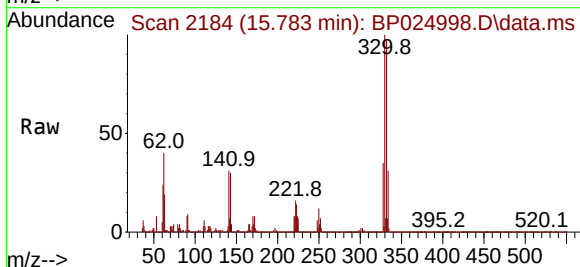
Tgt Ion:330 Resp: 1482681

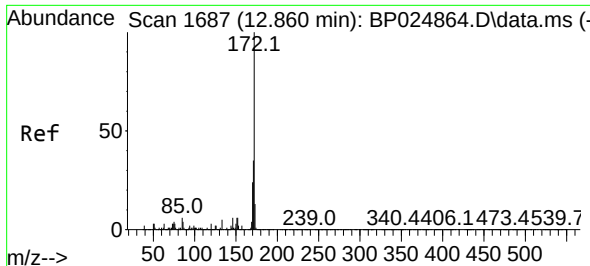
Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

141 32.9 26.4 39.6

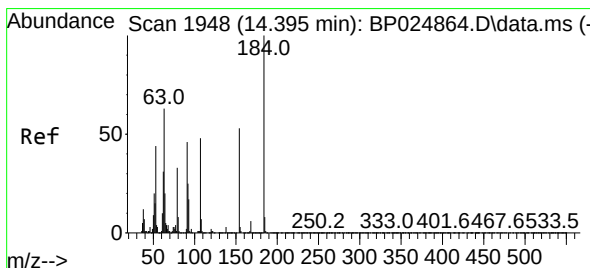
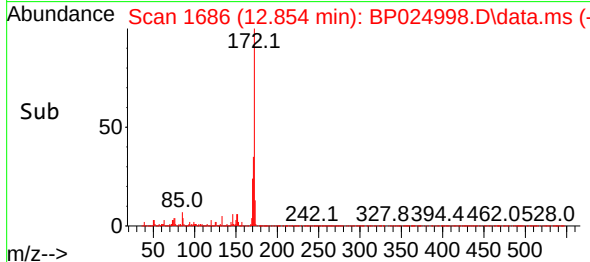
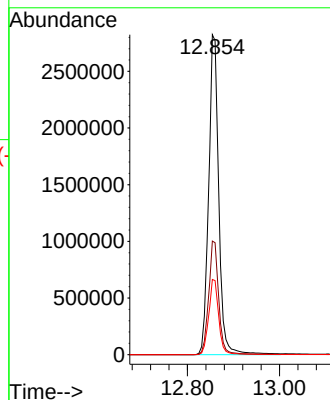
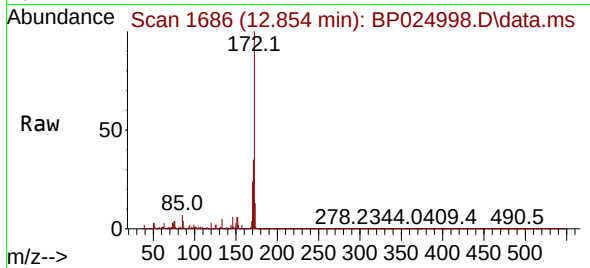




#45
2-Fluorobiphenyl
Concen: 84.774 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

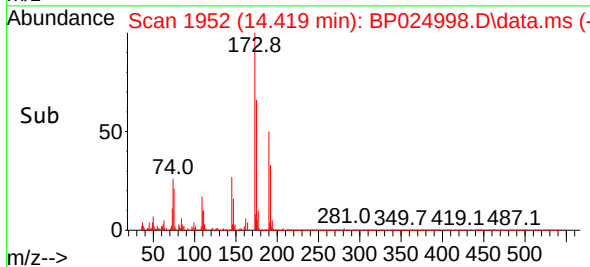
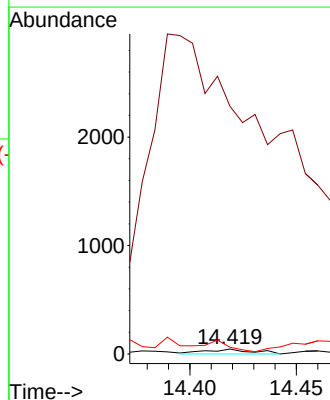
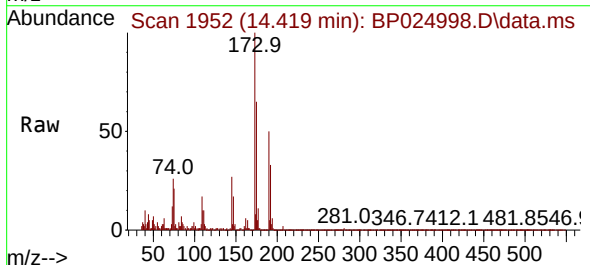
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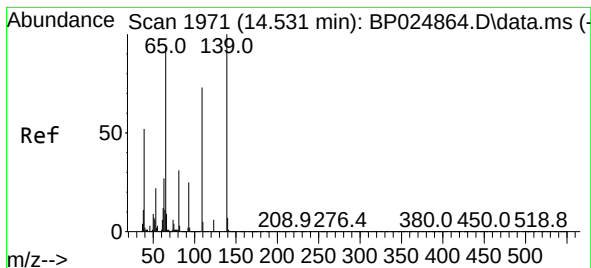
Tgt Ion:172 Resp: 4321608
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.5 19.0 28.4



#54
2,4-Dinitrophenol
Concen: 5.572 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 5077.8 51.0 76.4#
154 137.8 51.7 77.5#

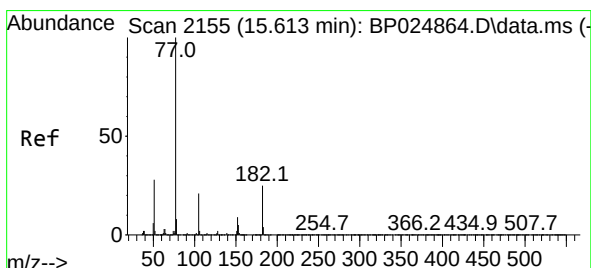
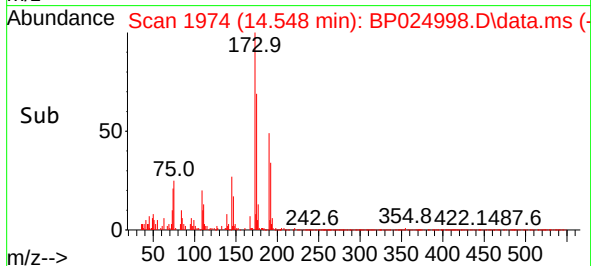
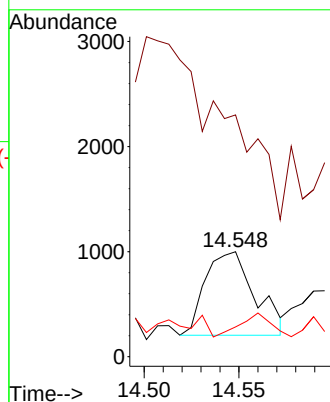
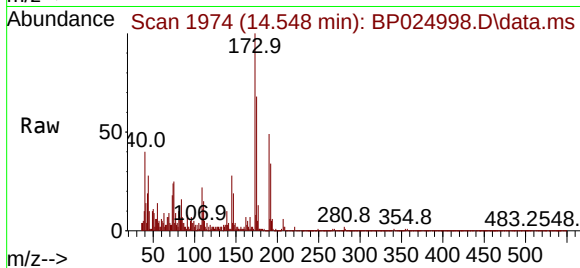




#56
4-Nitrophenol
Concen: 5.551 ng
RT: 14.548 min Scan# 1971
Delta R.T. 0.017 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

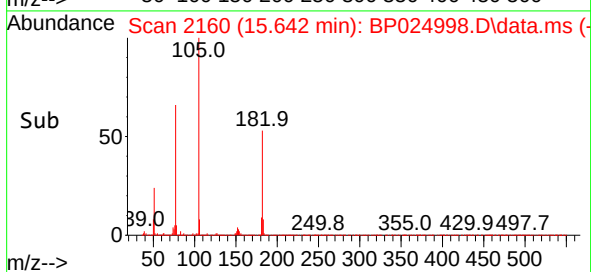
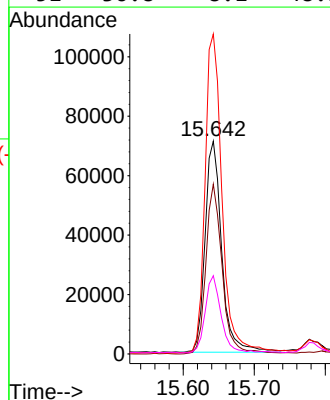
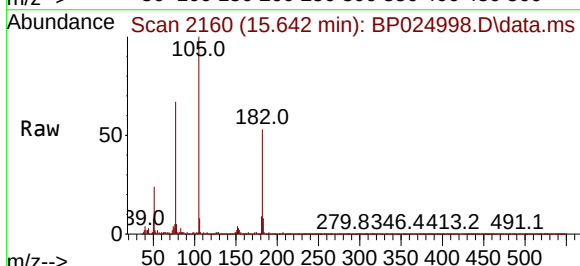
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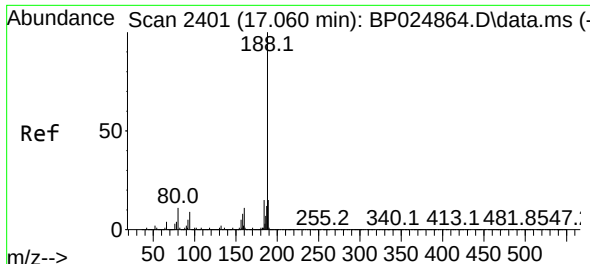
Tgt Ion:139 Resp: 1456
Ion Ratio Lower Upper
139 100
109 230.2 53.1 93.1#
65 28.4 73.0 113.0#



#63
Azobenzene
Concen: 2.502 ng
RT: 15.642 min Scan# 2160
Delta R.T. 0.029 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

Tgt Ion: 77 Resp: 115870
Ion Ratio Lower Upper
77 100
182 79.8 5.4 45.4#
105 150.4 0.8 40.8#
51 36.8 8.1 48.1

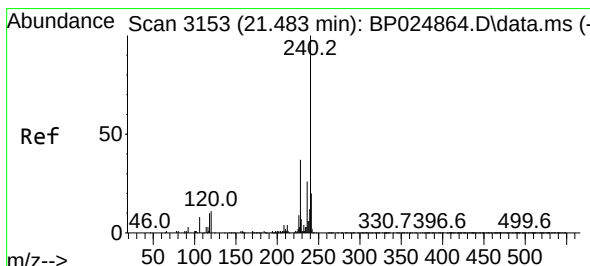
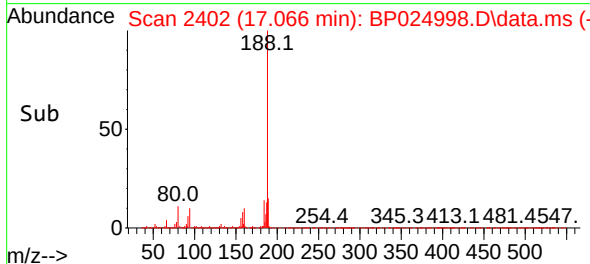
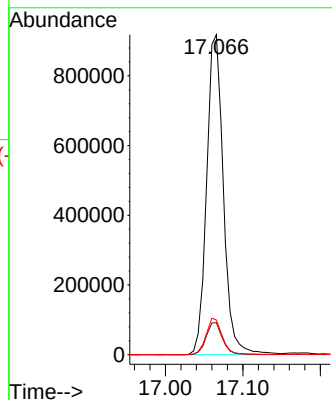
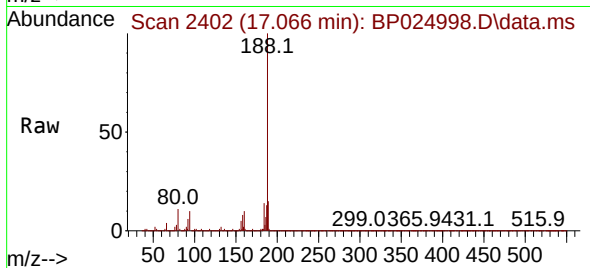




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

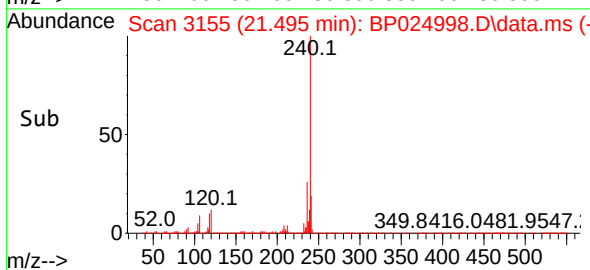
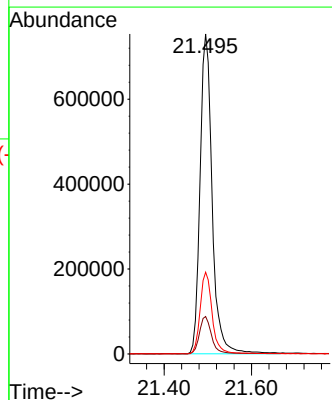
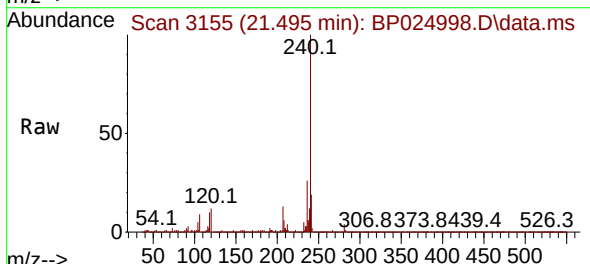
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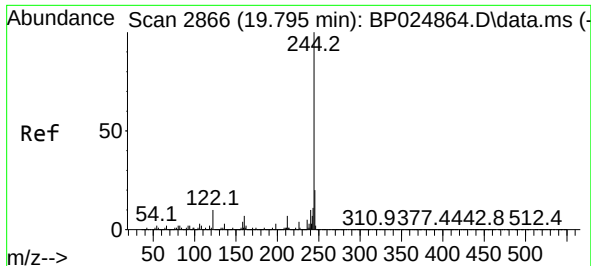
Tgt Ion:188 Resp: 1378048
Ion Ratio Lower Upper
188 100
94 10.0 7.3 10.9
80 10.8 8.5 12.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024998.D
Acq: 18 Jun 2025 17:30

Tgt Ion:240 Resp: 1454707
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 25.6 20.9 31.3

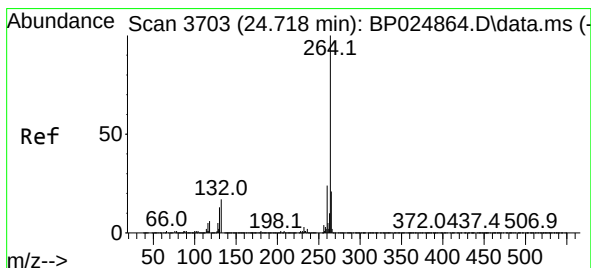
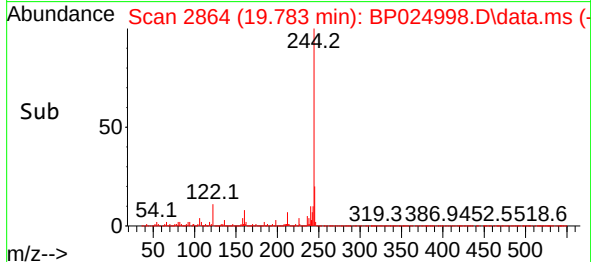
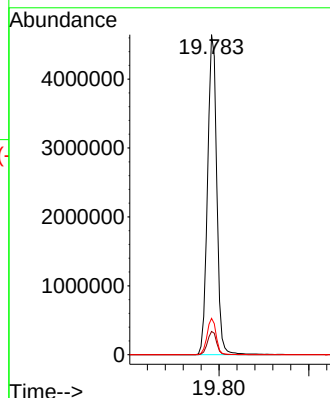
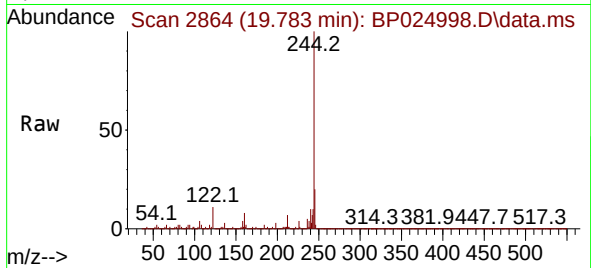




#79
 Terphenyl-d14
 Concen: 81.346 ng
 RT: 19.783 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP024998.D
 Acq: 18 Jun 2025 17:30

Instrument :
 BNA_P
 ClientSampleId :
 MW-13

Tgt Ion:244 Resp: 6602602
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 11.3 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.759 min Scan# 3710
 Delta R.T. 0.041 min
 Lab File: BP024998.D
 Acq: 18 Jun 2025 17:30

Tgt Ion:264 Resp: 1598176
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.4 17.4 26.0

