

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP024999.D
 Acq On : 18 Jun 2025 18:12
 Operator : RC/JU
 Sample : Q2333-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-12

Quant Time: Jun 19 01:25:54 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)

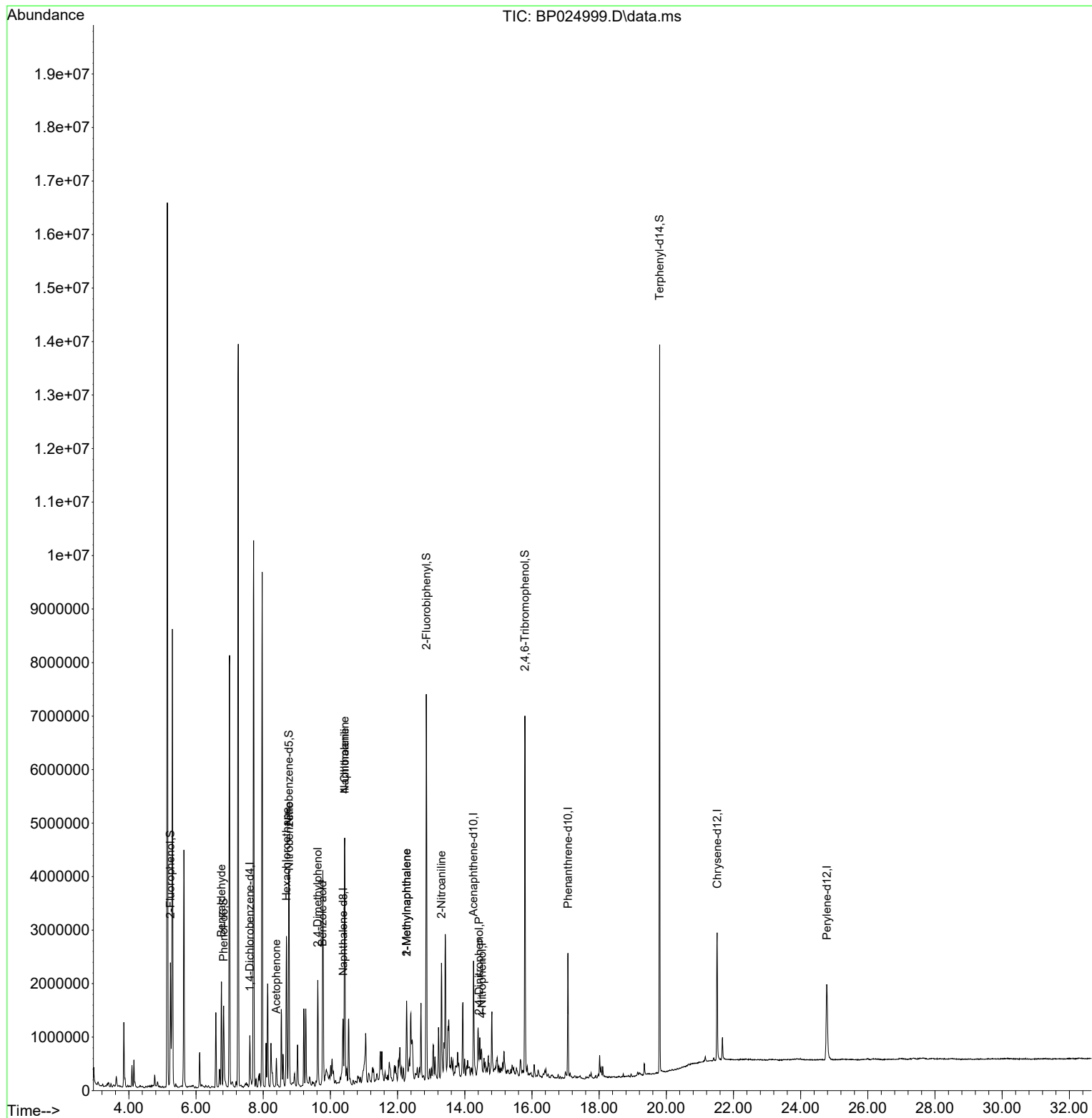
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	259382	20.000	ng	-0.01
21) Naphthalene-d8	10.378	136	1022681	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	715185	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1282201	20.000	ng	0.01
76) Chrysene-d12	21.513	240	1386217	20.000	ng	0.03
86) Perylene-d12	24.777	264	1591861	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1157860	74.512	ng	0.00
7) Phenol-d6	6.819	99	1012423	49.242	ng	0.00
23) Nitrobenzene-d5	8.760	82	1657484	78.756	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	1396320	141.216	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3962225	74.632	ng	0.00
79) Terphenyl-d14	19.801	244	5816931	75.207	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.755	77	139973	11.811	ng	# 1
18) Hexachloroethane	8.696	117	350880	47.002	ng	# 1
22) Acetophenone	8.390	105	379858	14.701	ng	# 57
24) Nitrobenzene	8.772	77	62507	3.343	ng	# 2
27) 2,4-Dimethylphenol	9.619	122	187018	11.845	ng	# 90
31) Naphthalene	10.425	128	3530201	67.359	ng	100
32) Benzoic acid	9.760	122	22446	2.104	ng	# 1
33) 4-Chloroaniline	10.425	127	466902	21.264	ng	# 34
37) 2-Methylnaphthalene	12.266	142	594375	17.879	ng	97
38) 1-Methylnaphthalene	12.266	142	596551	16.785	ng	97
48) 2-Nitroaniline	13.307	65	61574	5.014	ng	# 23
54) 2,4-Dinitrophenol	14.425	184	364	5.609	ng	# 1
56) 4-Nitrophenol	14.513	139	775	5.481	ng	# 1

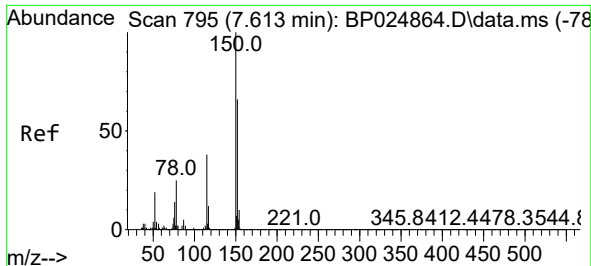
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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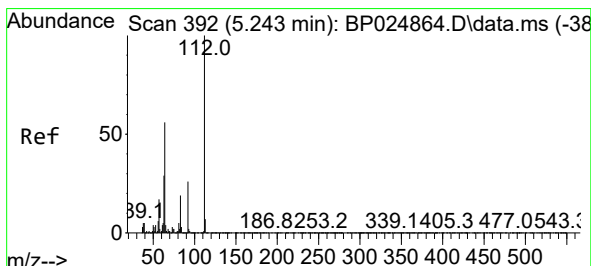
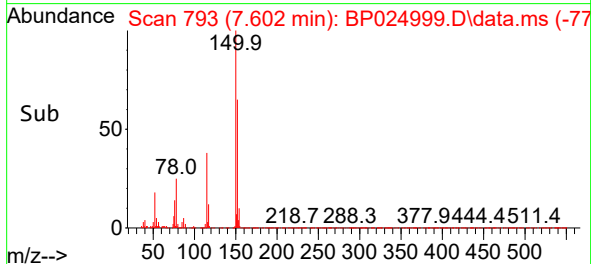
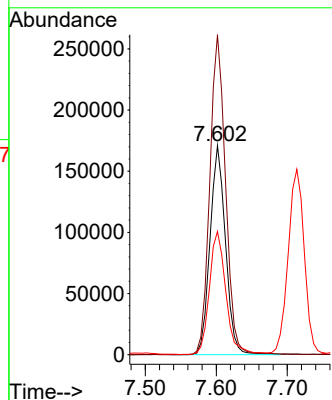
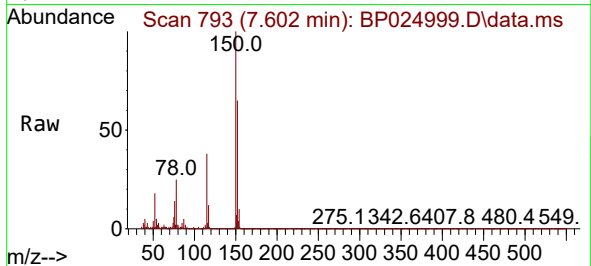




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

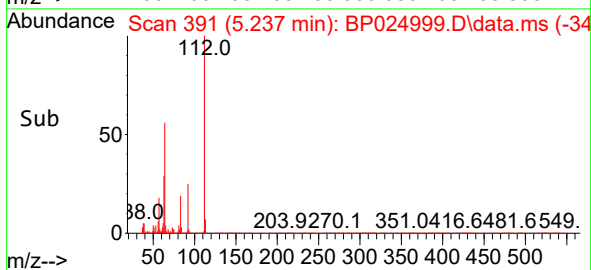
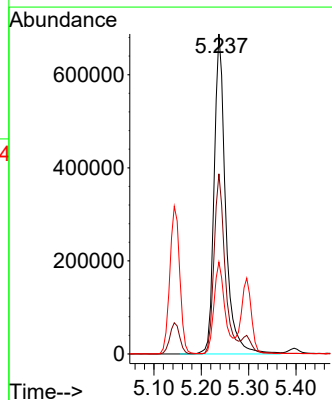
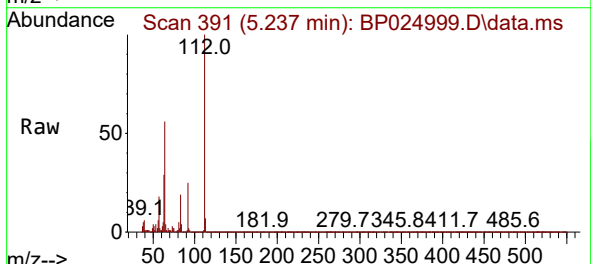
Instrument :
BNA_P
ClientSampleId :
MW-12

Tgt Ion:152 Resp: 259382
Ion Ratio Lower Upper
152 100
150 153.0 122.1 183.1
115 58.9 46.4 69.6



#5
2-Fluorophenol
Concen: 74.512 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:112 Resp: 1157860
Ion Ratio Lower Upper
112 100
64 56.3 44.7 67.1
63 28.7 23.5 35.3

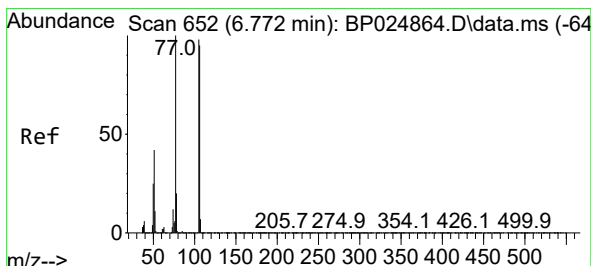
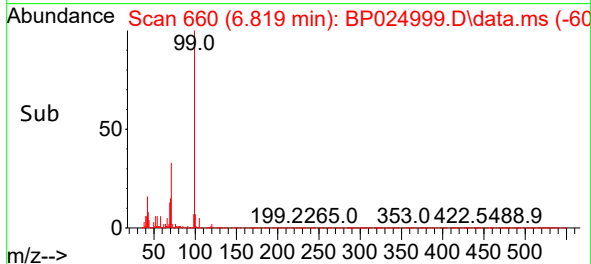
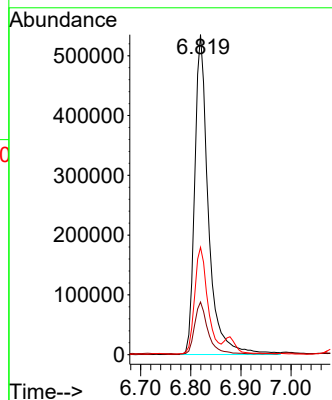
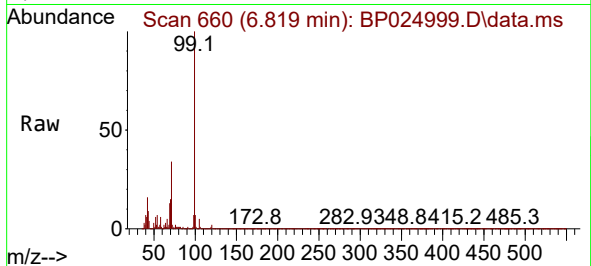




#7
Phenol-d6
Concen: 49.242 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

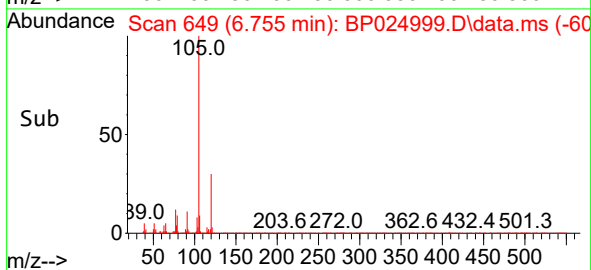
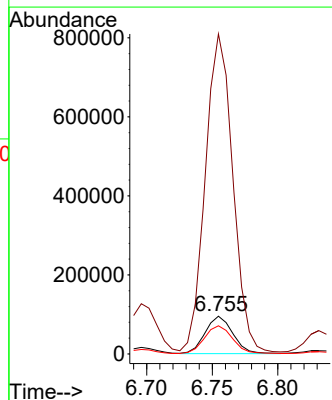
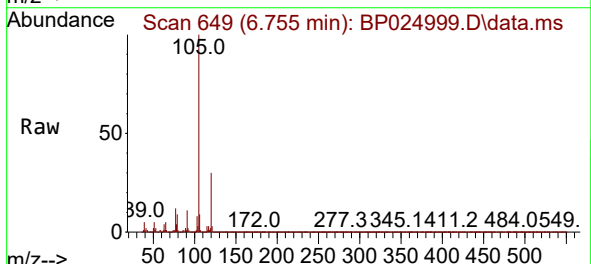
Instrument :
BNA_P
ClientSampleId :
MW-12

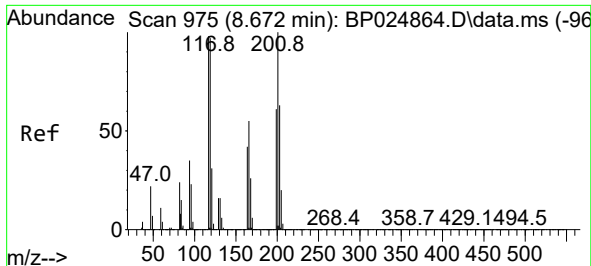
Tgt Ion: 99 Resp: 1012423
Ion Ratio Lower Upper
99 100
42 16.4 13.4 20.2
71 33.6 27.6 41.4



#9
Benzaldehyde
Concen: 11.811 ng
RT: 6.755 min Scan# 649
Delta R.T. -0.018 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion: 77 Resp: 139973
Ion Ratio Lower Upper
77 100
105 847.6 77.7 117.7#
106 74.8 74.8 114.8#

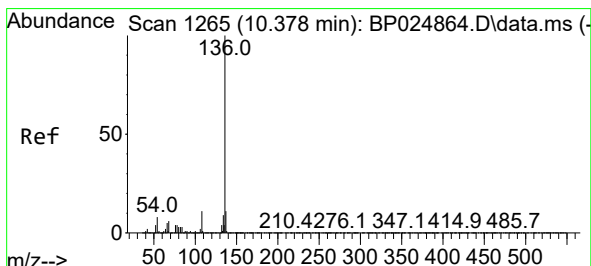
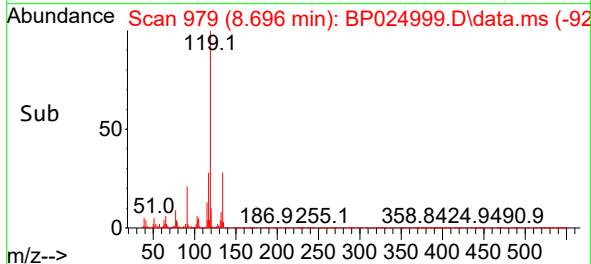
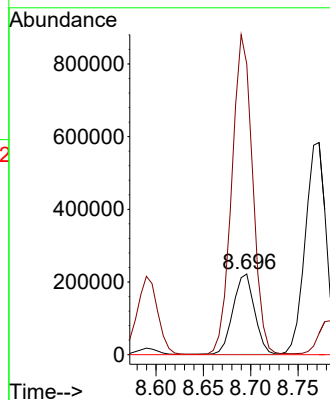
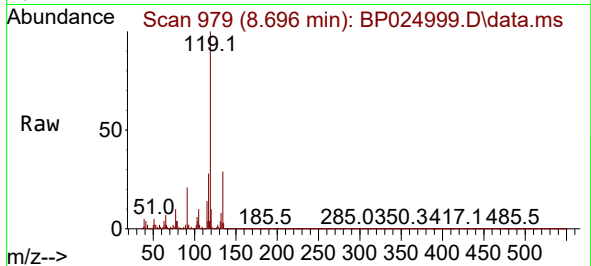




#18
Hexachloroethane
Concen: 47.002 ng
RT: 8.696 min Scan# 91
Delta R.T. 0.024 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

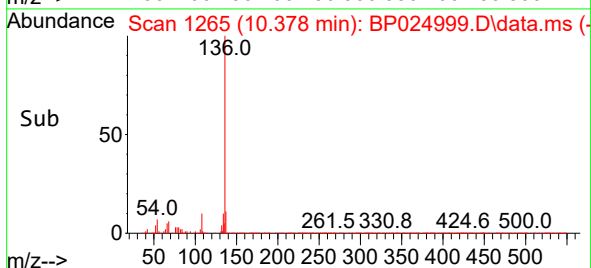
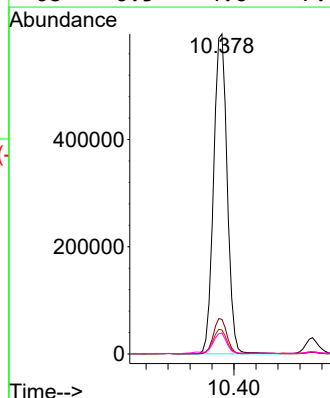
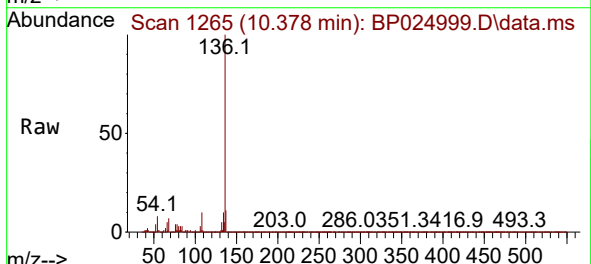
Instrument :
BNA_P
ClientSampleId :
MW-12

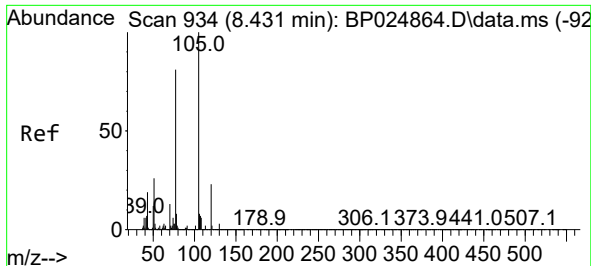
Tgt Ion:117 Resp: 350880
Ion Ratio Lower Upper
117 100
119 360.1 79.4 119.2#
201 0.0 81.4 122.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:136 Resp: 1022681
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 6.1 9.1
68 6.5 4.6 7.0

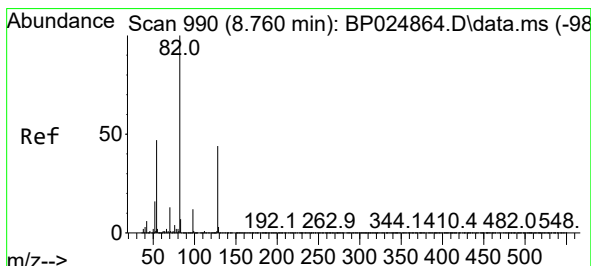
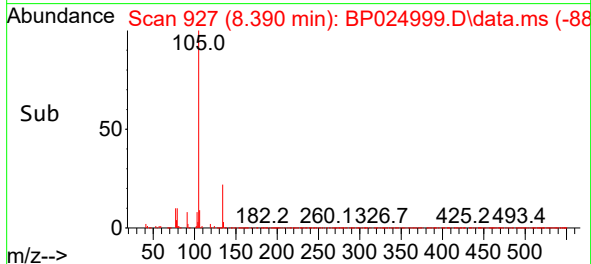
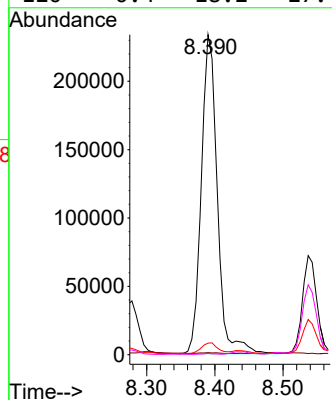
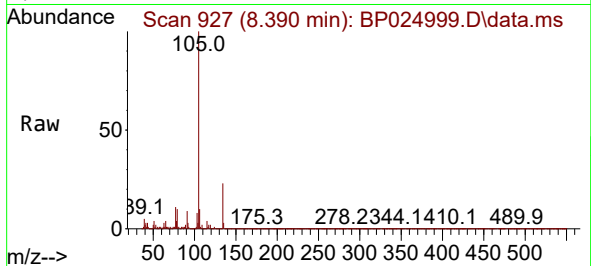




#22
Acetophenone
Concen: 14.701 ng
RT: 8.390 min Scan# 910
Delta R.T. -0.041 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

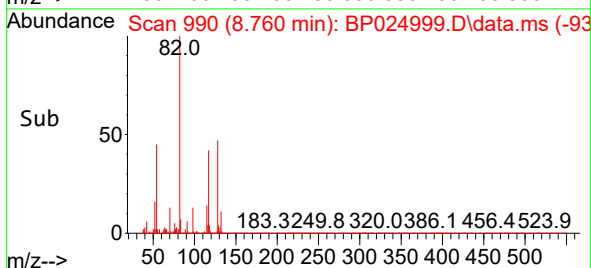
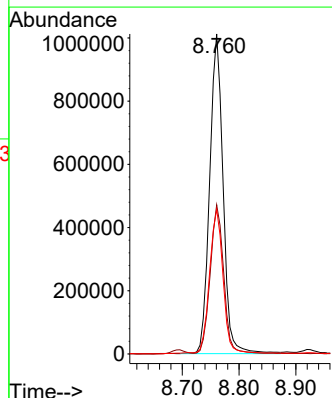
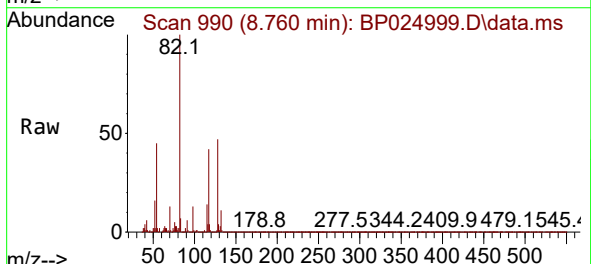
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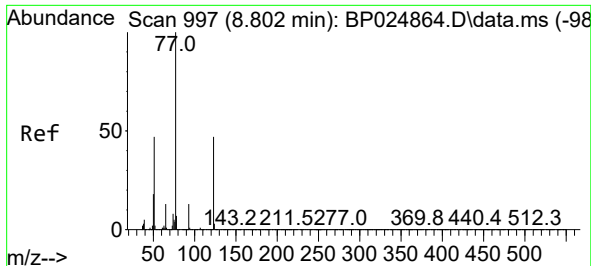
Tgt Ion:105 Resp: 379858
Ion Ratio Lower Upper
105 100
71 0.7 1.6 2.4#
51 3.6 20.6 31.0#
120 0.4 18.2 27.4#



#23
Nitrobenzene-d5
Concen: 78.756 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion: 82 Resp: 1657484
Ion Ratio Lower Upper
82 100
128 46.6 35.3 52.9
54 45.3 37.4 56.0

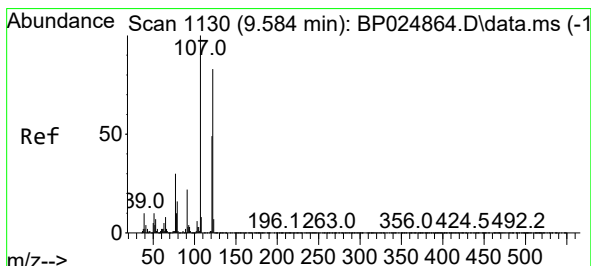
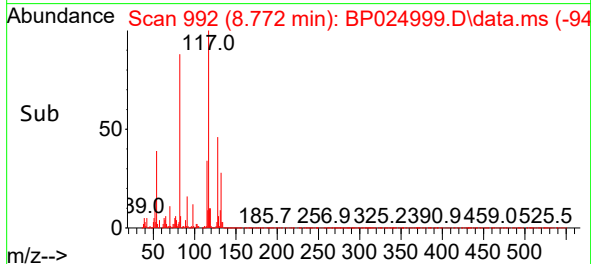
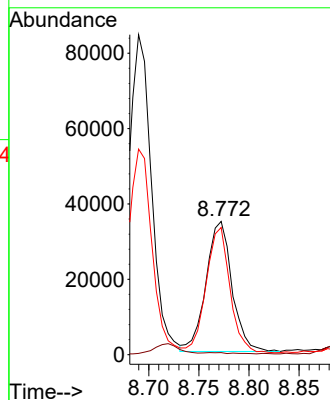
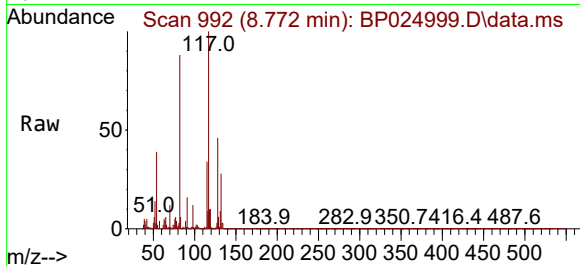




#24
Nitrobenzene
Concen: 3.343 ng
RT: 8.772 min Scan# 997
Delta R.T. -0.029 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

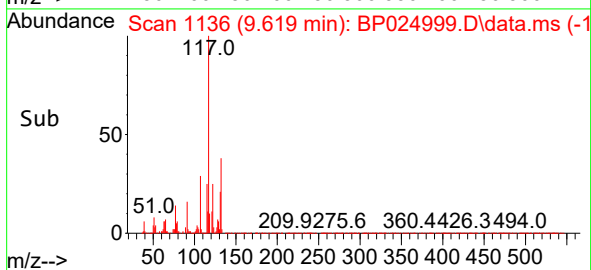
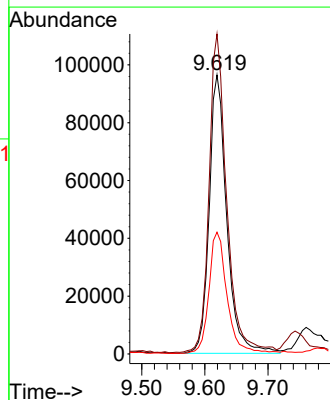
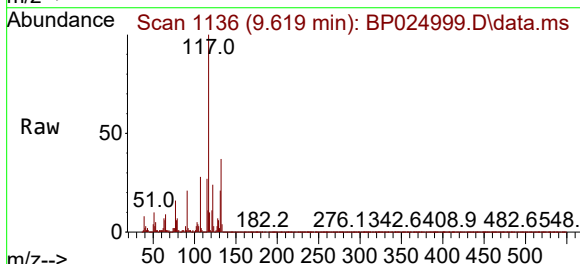
Instrument :
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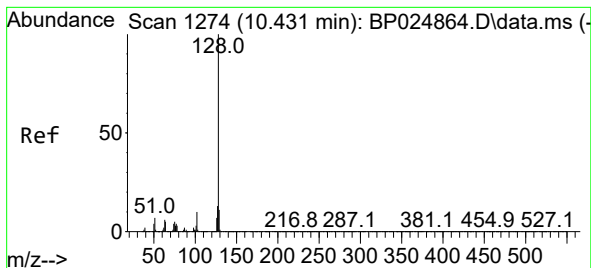
Tgt Ion: 77 Resp: 62507
Ion Ratio Lower Upper
77 100
123 1.5 37.3 55.9#
65 95.4 10.8 16.2#



#27
2,4-Dimethylphenol
Concen: 11.845 ng
RT: 9.619 min Scan# 1136
Delta R.T. 0.035 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion: 122 Resp: 187018
Ion Ratio Lower Upper
122 100
107 114.7 96.2 144.4
121 43.6 47.0 70.4#

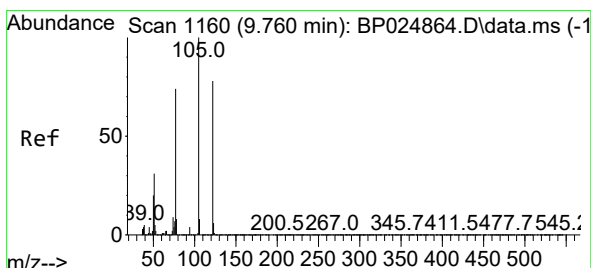
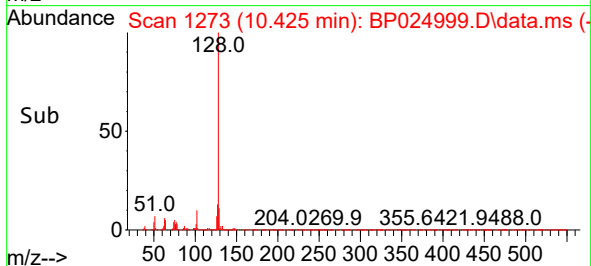
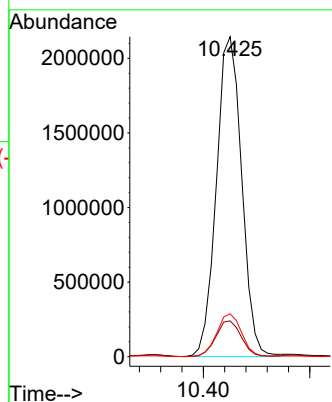
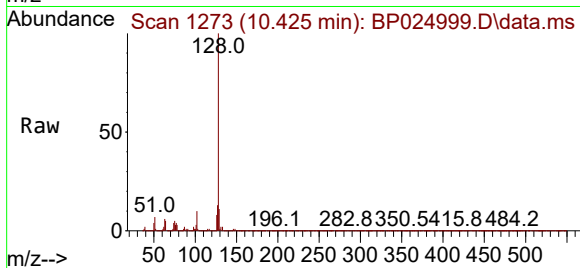




#31
Naphthalene
Concen: 67.359 ng
RT: 10.425 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

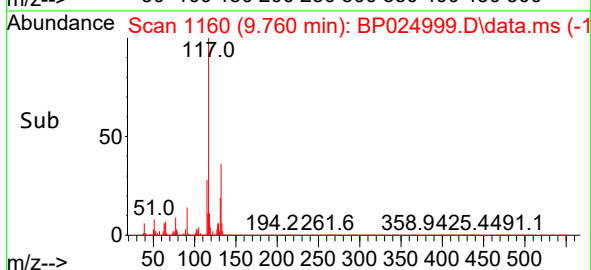
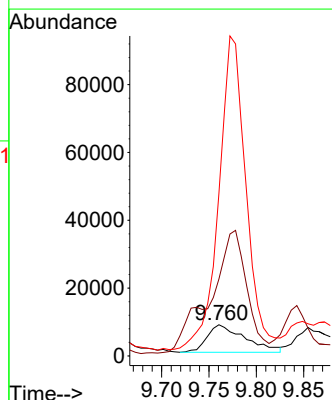
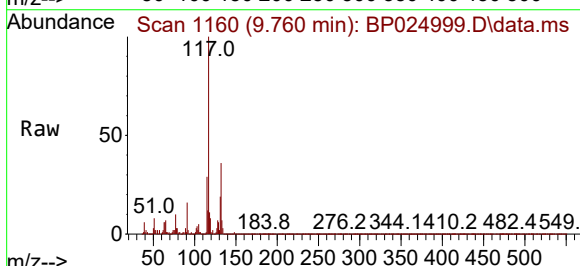
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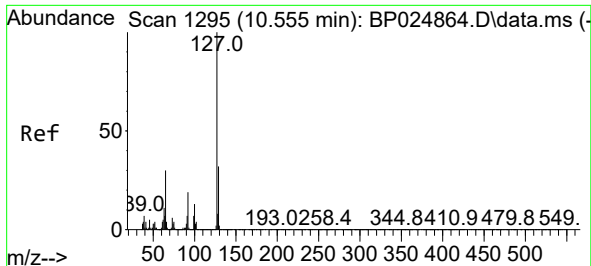
Tgt Ion:128 Resp: 3530201
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 2.104 ng
RT: 9.760 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:122 Resp: 22446
Ion Ratio Lower Upper
122 100
105 247.4 107.1 147.1#
77 522.0 75.1 115.1#

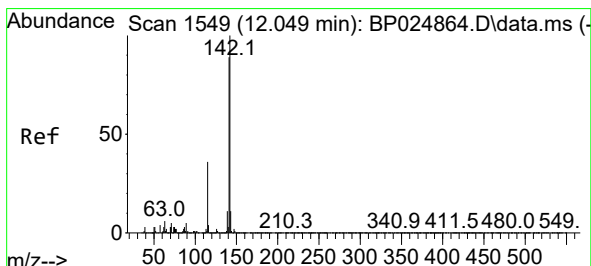
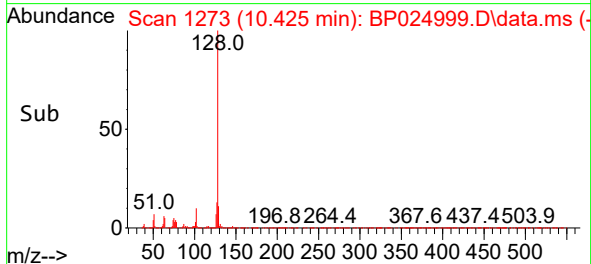
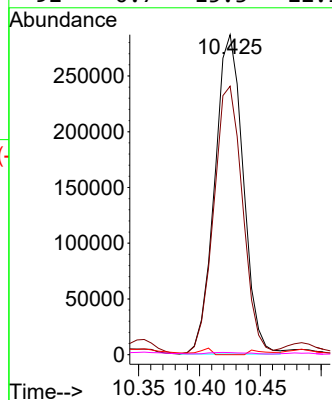
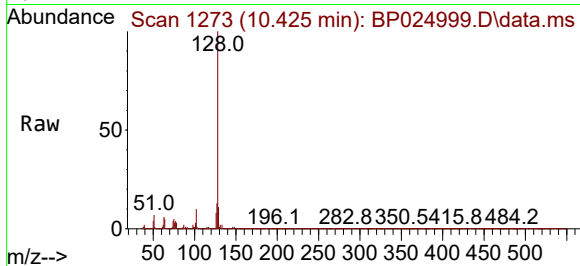




#33
4-Chloroaniline
Concen: 21.264 ng
RT: 10.425 min Scan# 11
Delta R.T. -0.129 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

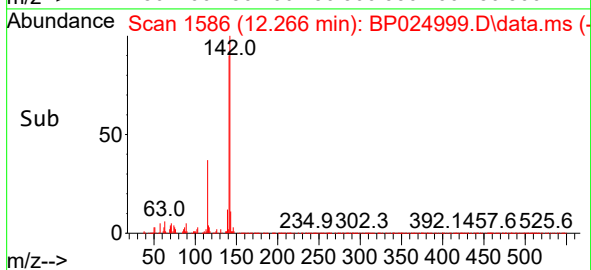
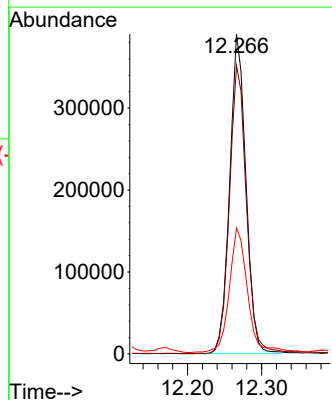
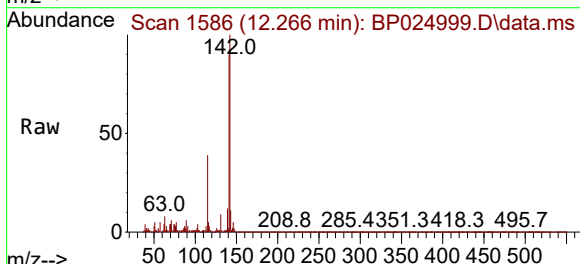
Instrument :
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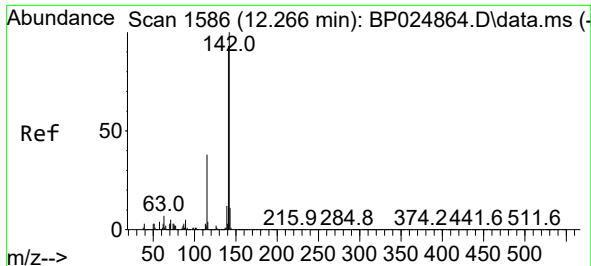
Tgt Ion:	127	Resp:	466902
Ion	Ratio	Lower	Upper
127	100		
129	83.9	25.9	38.9#
65	0.0	23.9	35.9#
92	0.7	15.3	22.9#



#37
2-Methylnaphthalene
Concen: 17.879 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.218 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:	142	Resp:	594375
Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8
115	39.4	28.5	42.7

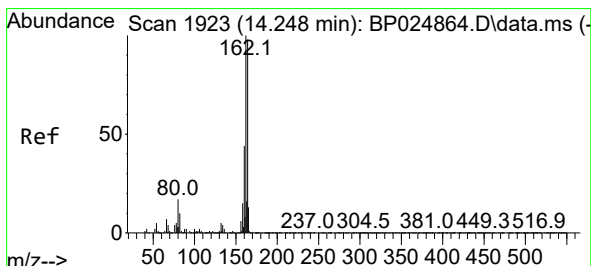
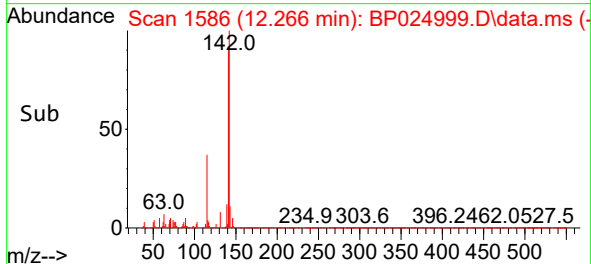
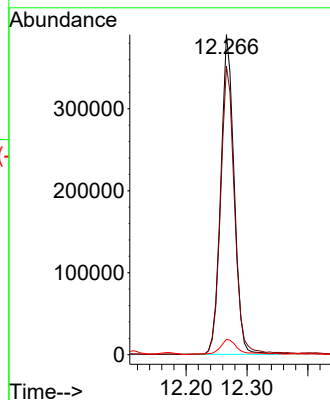
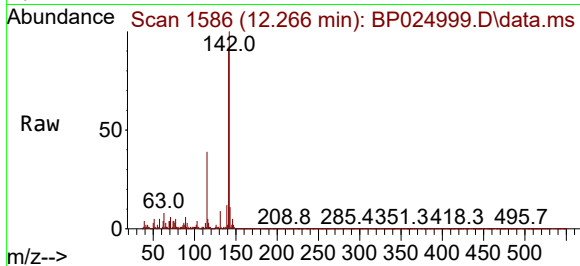




#38
1-Methylnaphthalene
Concen: 16.785 ng
RT: 12.266 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

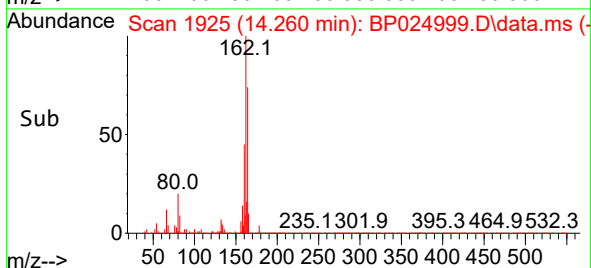
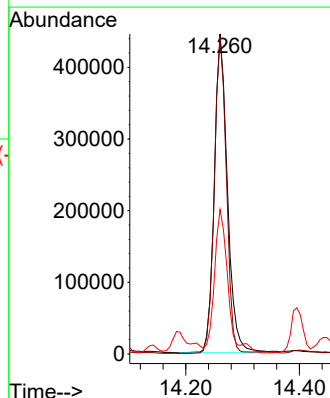
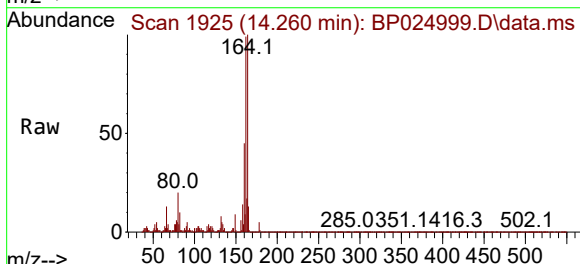
Instrument :
BNA_P
ClientSampleId :
MW-12

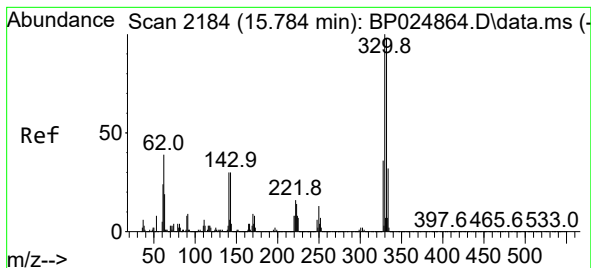
Tgt Ion:142 Resp: 596551
Ion Ratio Lower Upper
142 100
141 90.1 74.7 112.1
116 4.8 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:164 Resp: 715185
Ion Ratio Lower Upper
164 100
162 99.3 81.6 122.4
160 45.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 141.216 ng

RT: 15.790 min Scan# 2184

Delta R.T. 0.006 min

Lab File: BP024999.D

Acq: 18 Jun 2025 18:12

Instrument :

BNA_P

ClientSampleId :

MW-12

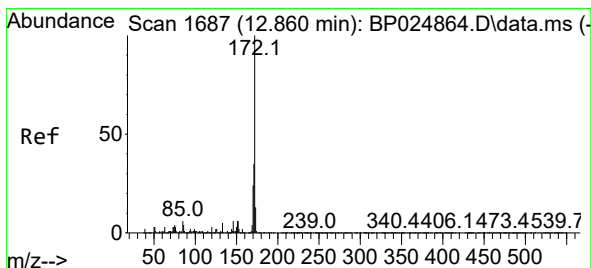
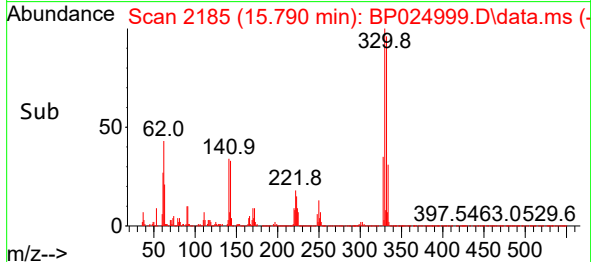
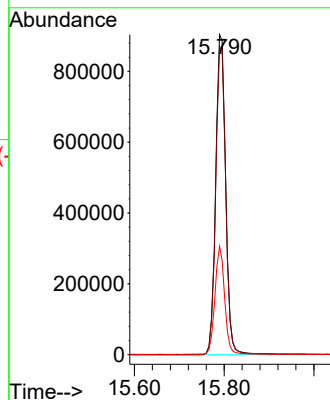
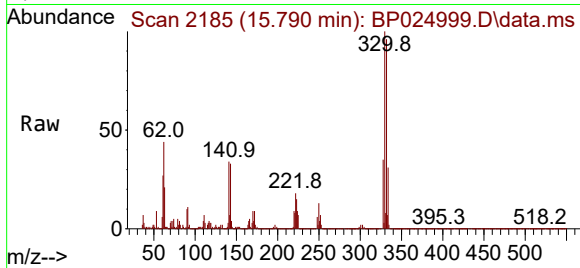
Tgt Ion:330 Resp: 1396320

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

141 32.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 74.632 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024999.D

Acq: 18 Jun 2025 18:12

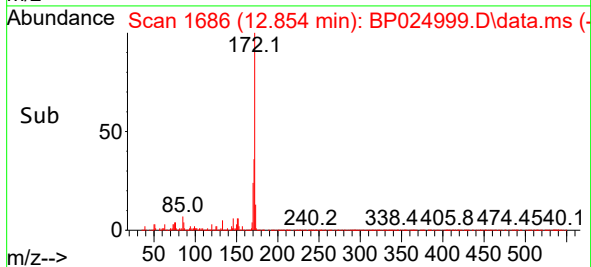
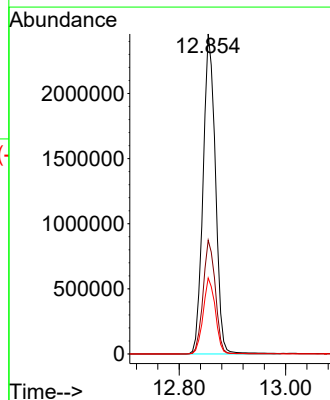
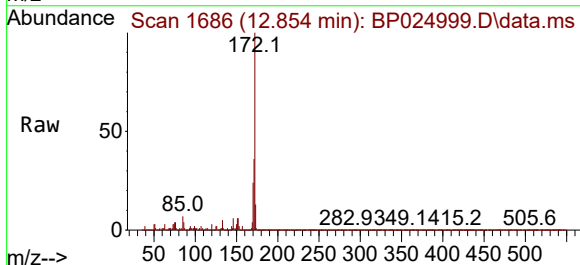
Tgt Ion:172 Resp: 3962225

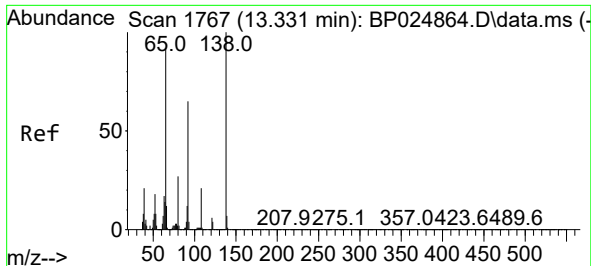
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.8 19.0 28.4

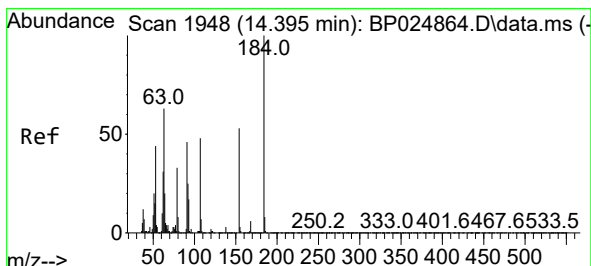
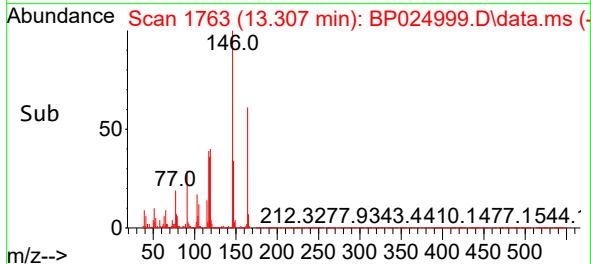
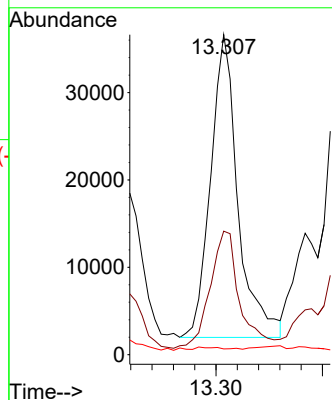
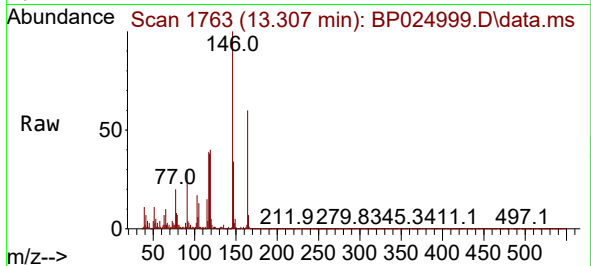




#48
2-Nitroaniline
Concen: 5.014 ng
RT: 13.307 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

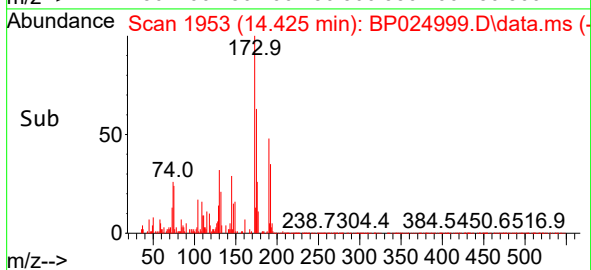
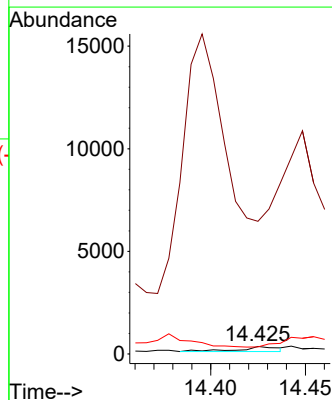
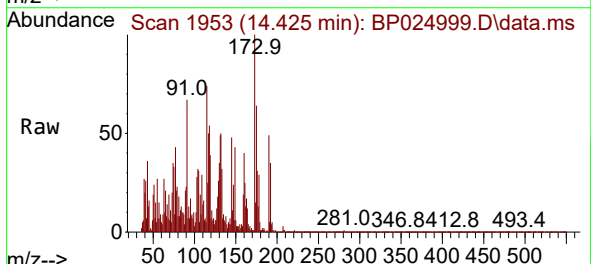
Instrument :
BNA_P
ClientSampleId :
MW-12

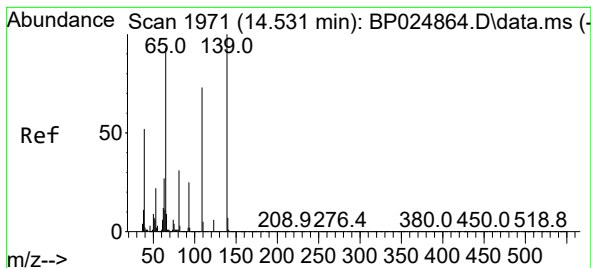
Tgt Ion: 65 Resp: 61574
Ion Ratio Lower Upper
65 100
92 38.6 56.8 85.2#
138 1.8 86.9 130.3#



#54
2,4-Dinitrophenol
Concen: 5.609 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.030 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:184 Resp: 364
Ion Ratio Lower Upper
184 100
63 1761.6 51.0 76.4#
154 94.3 51.7 77.5#

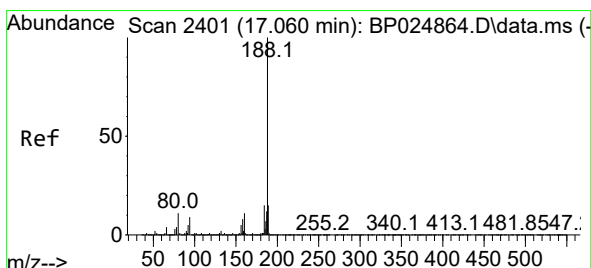
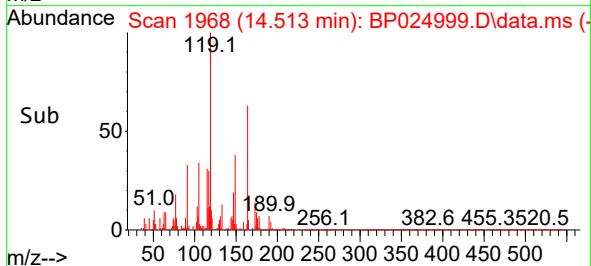
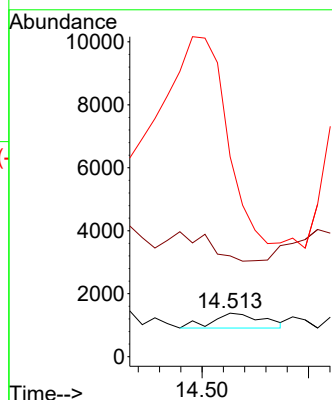
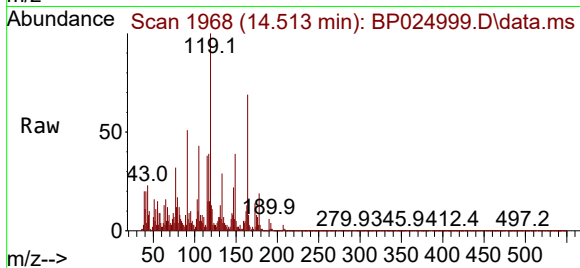




#56
4-Nitrophenol
Concen: 5.481 ng
RT: 14.513 min Scan# 1971
Delta R.T. -0.018 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

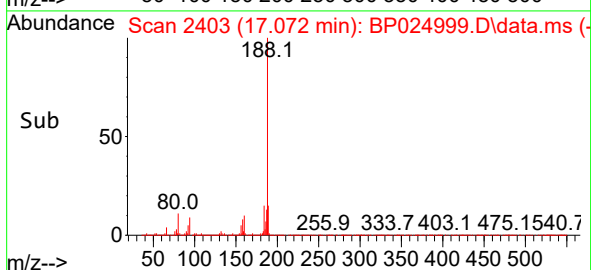
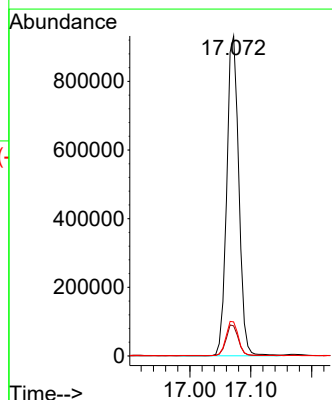
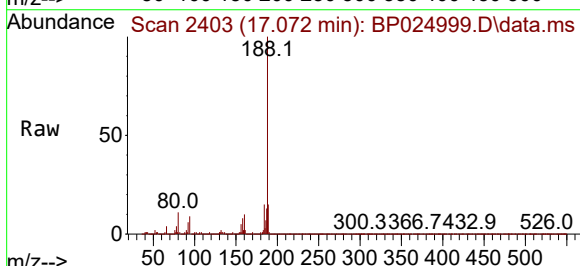
Instrument :
BNA_P
ClientSampleId :
MW-12

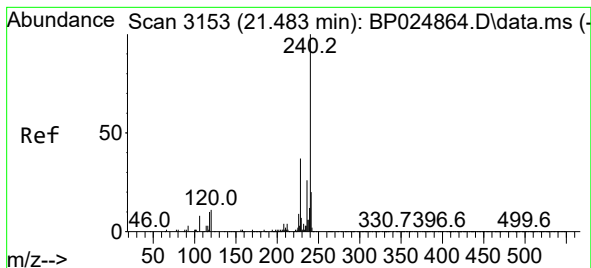
Tgt Ion:139 Resp: 775
Ion Ratio Lower Upper
139 100
109 231.5 53.1 93.1#
65 459.2 73.0 113.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024999.D
Acq: 18 Jun 2025 18:12

Tgt Ion:188 Resp: 1282201
Ion Ratio Lower Upper
188 100
94 9.4 7.3 10.9
80 10.7 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.513 min Scan# 3153

Delta R.T. 0.029 min

Lab File: BP024999.D

Acq: 18 Jun 2025 18:12

Instrument :

BNA_P

ClientSampleId :

MW-12

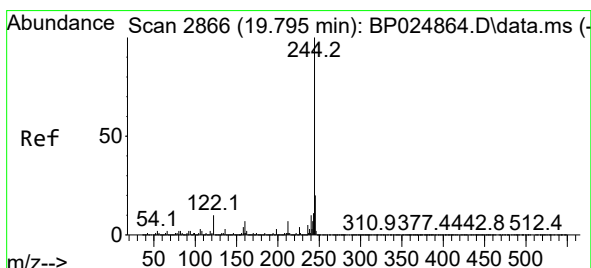
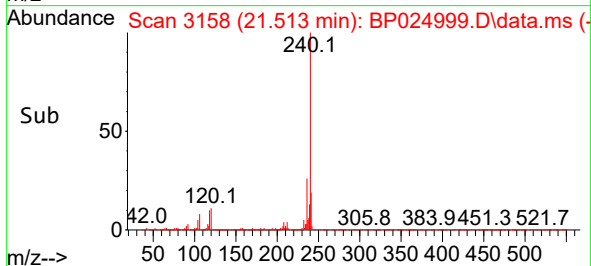
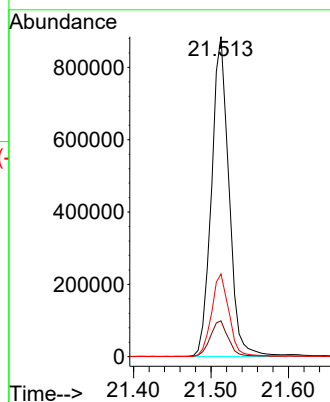
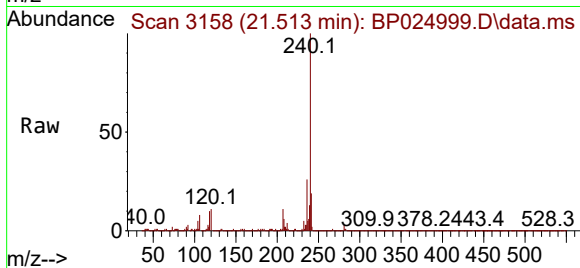
Tgt Ion:240 Resp: 1386217

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

236 25.9 20.9 31.3



#79

Terphenyl-d14

Concen: 75.207 ng

RT: 19.801 min Scan# 2867

Delta R.T. 0.006 min

Lab File: BP024999.D

Acq: 18 Jun 2025 18:12

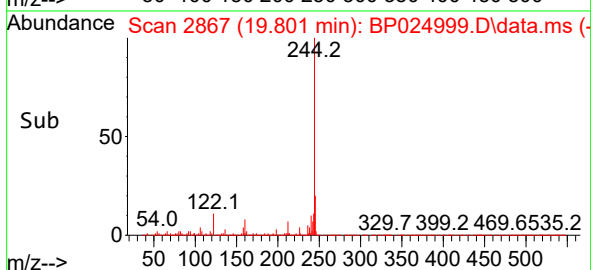
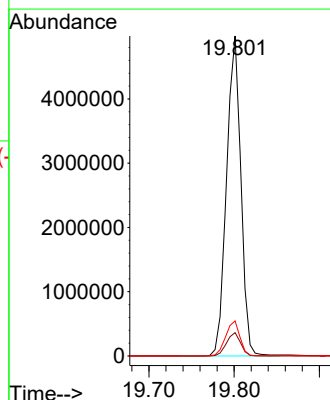
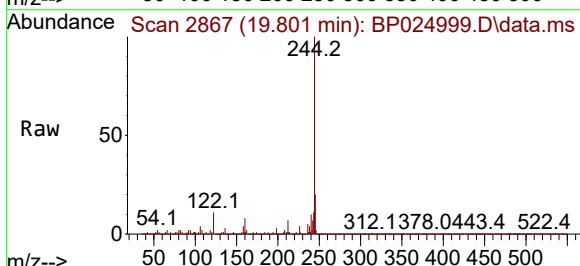
Tgt Ion:244 Resp: 5816931

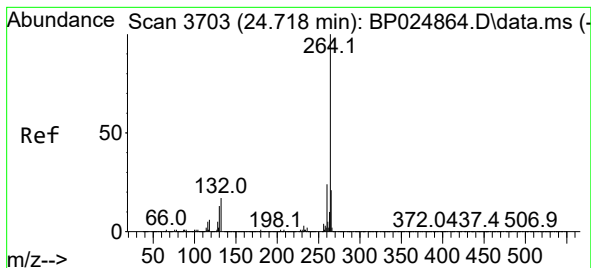
Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 11.0 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: BP024999.D

Acq: 18 Jun 2025 18:12

Instrument :

BNA_P

ClientSampleId :

MW-12

Tgt Ion:264 Resp: 1591861

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 21.9 17.4 26.0

