

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024913.D
 Acq On : 11 Jun 2025 15:43
 Operator : RC/JU
 Sample : Q2226-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP06-MHI-WC

Quant Time: Jun 11 16:02:55 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)

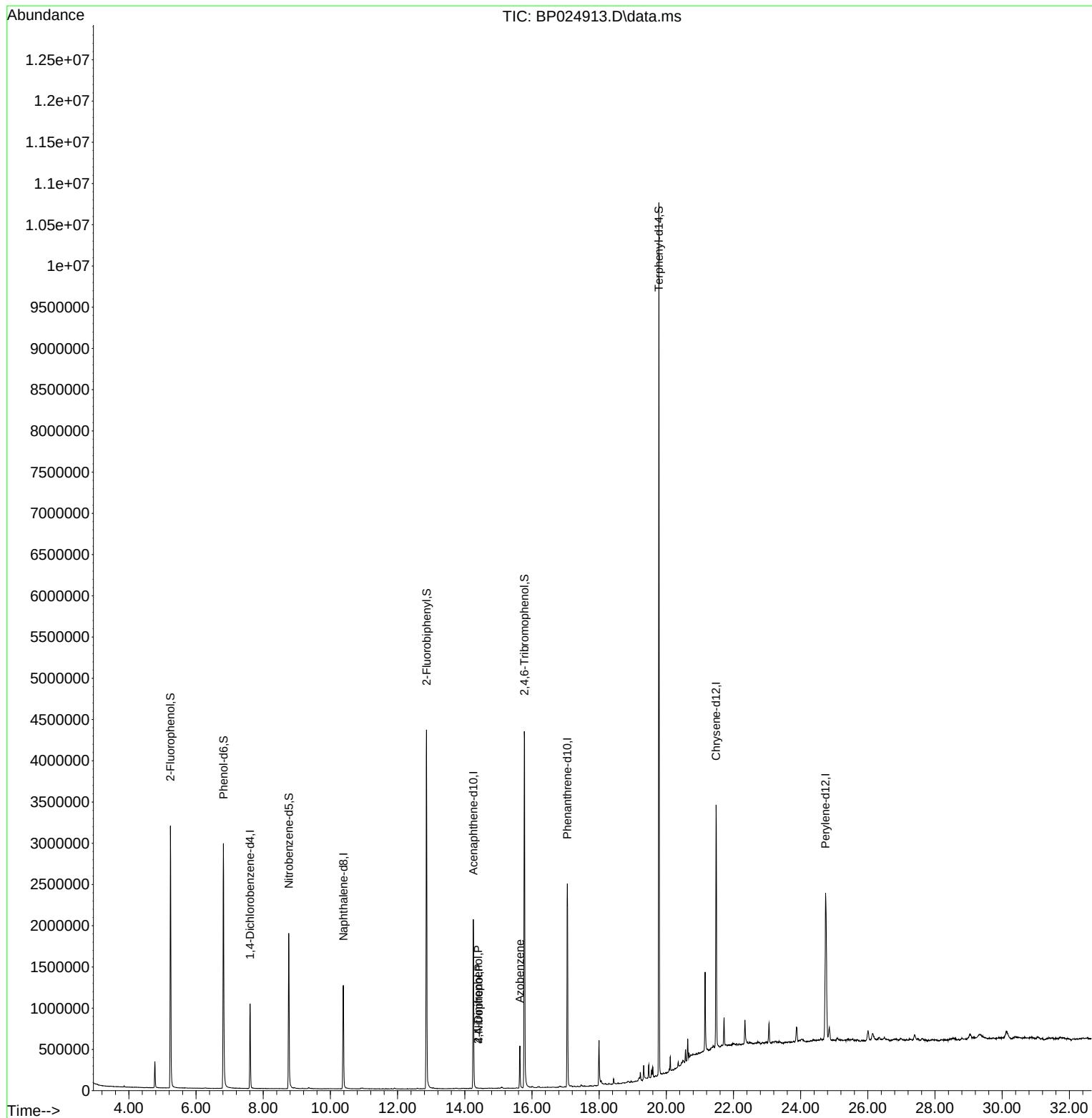
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	283394	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1135675	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	759753	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1591773	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1771083	20.000	ng	0.00
86) Perylene-d12	24.742	264	1991790	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1441614	84.912	ng	0.00
7) Phenol-d6	6.814	99	1901171	84.634	ng	0.00
23) Nitrobenzene-d5	8.761	82	1131813	48.428	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1010853	96.235	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2378152	42.167	ng	0.00
79) Terphenyl-d14	19.778	244	4728287	47.848	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.396	184	73	5.572	ng	# 1
56) 4-Nitrophenol	14.413	139	86	5.417	ng	83
63) Azobenzene	15.637	77	155997	3.045	ng	# 1

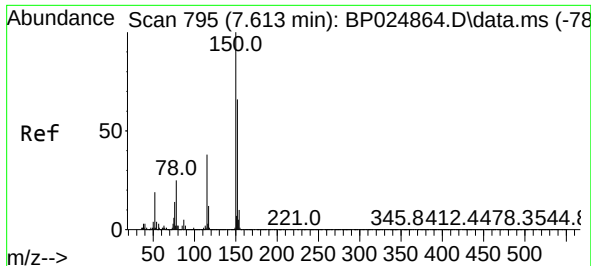
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
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QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

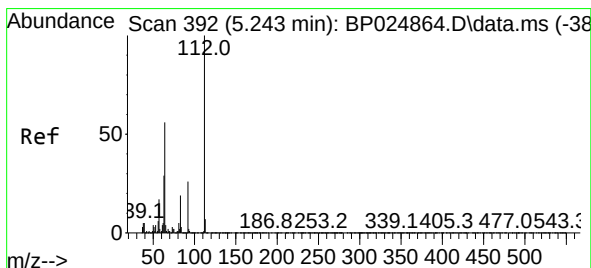
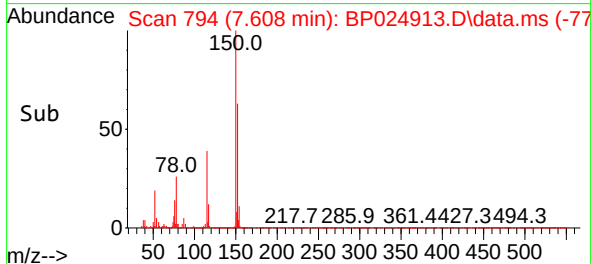
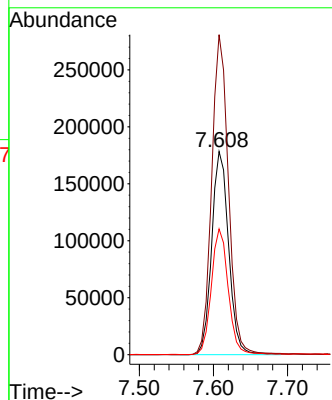
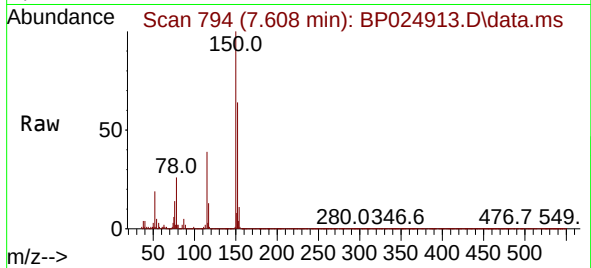




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

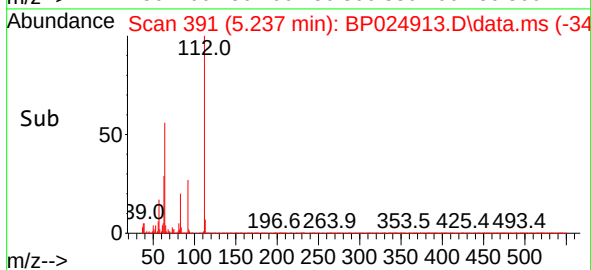
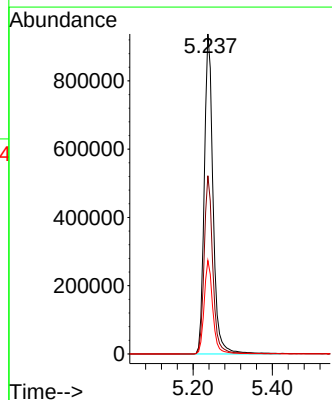
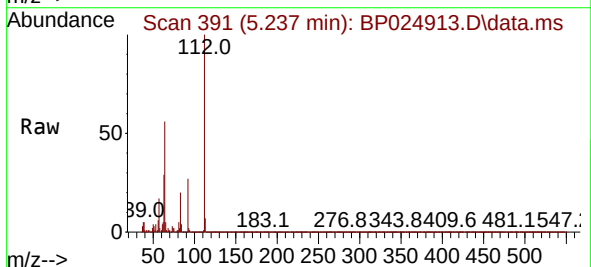
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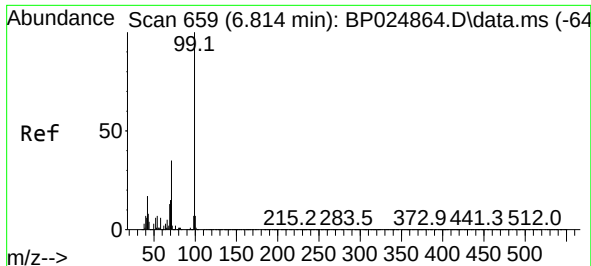
Tgt Ion:152 Resp: 283394
Ion Ratio Lower Upper
152 100
150 157.5 122.1 183.1
115 61.9 46.4 69.6



#5
2-Fluorophenol
Concen: 84.912 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion:112 Resp: 1441614
Ion Ratio Lower Upper
112 100
64 55.7 44.7 67.1
63 29.2 23.5 35.3

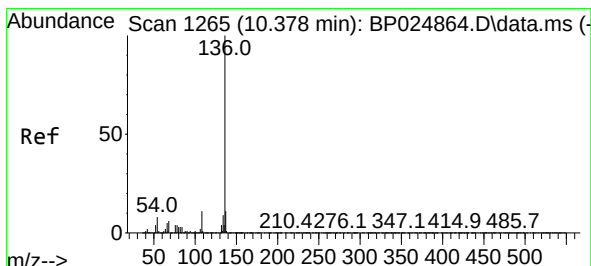
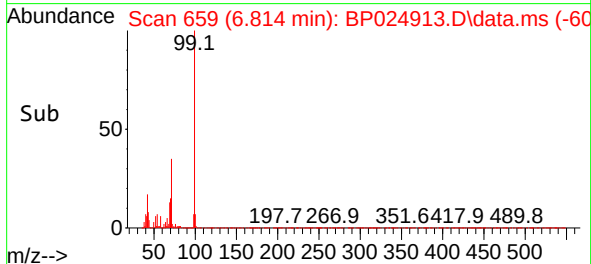
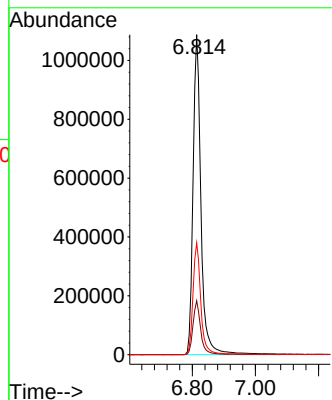
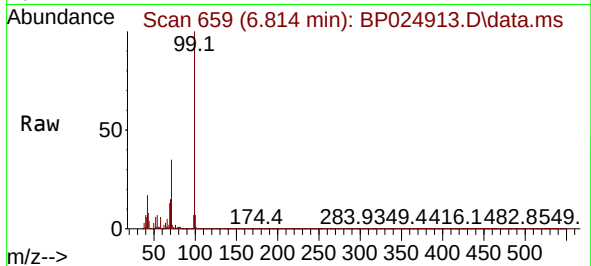




#7
Phenol-d6
Concen: 84.634 ng
RT: 6.814 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

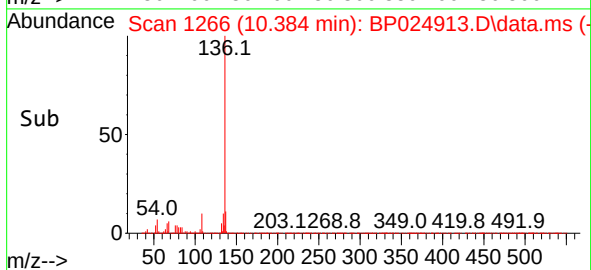
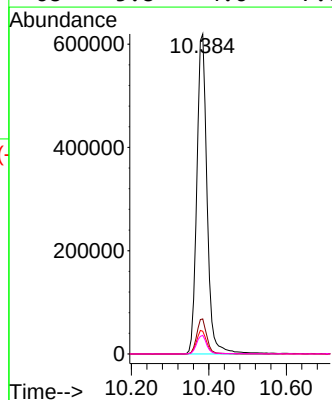
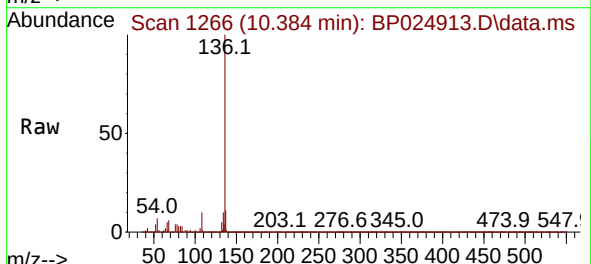
Instrument :
BNA_P
ClientSampleId :
TP06-MHI-WC

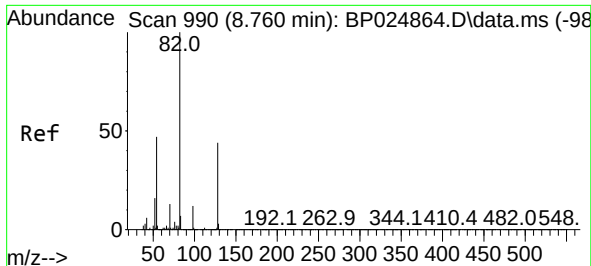
Tgt Ion: 99 Resp: 1901171
Ion Ratio Lower Upper
99 100
42 16.9 13.4 20.2
71 34.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion: 136 Resp: 1135675
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 6.1 9.1
68 5.8 4.6 7.0

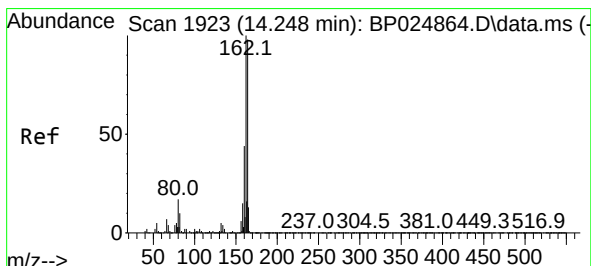
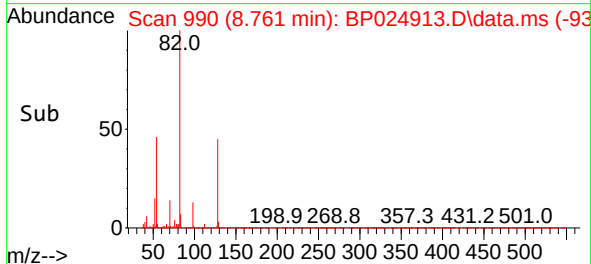
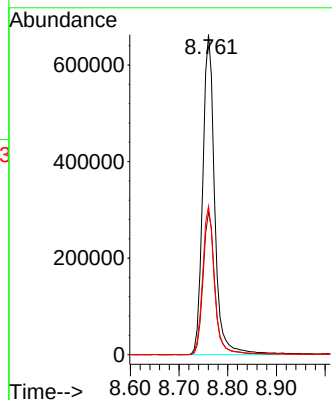
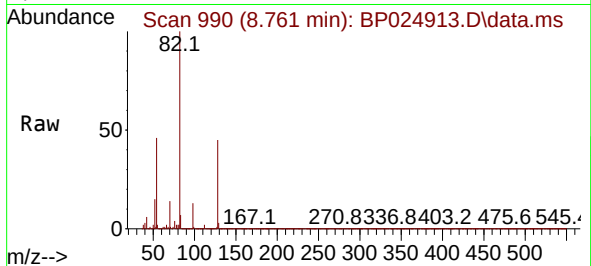




#23
Nitrobenzene-d5
Concen: 48.428 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

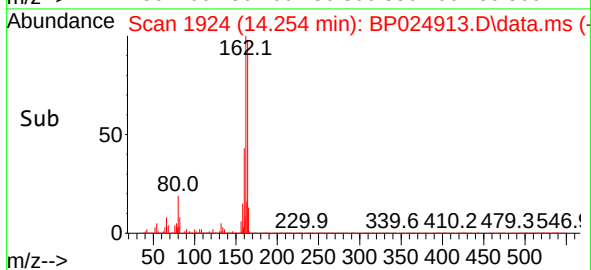
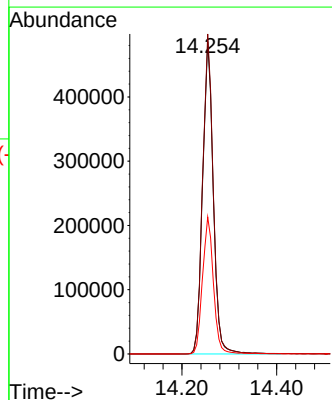
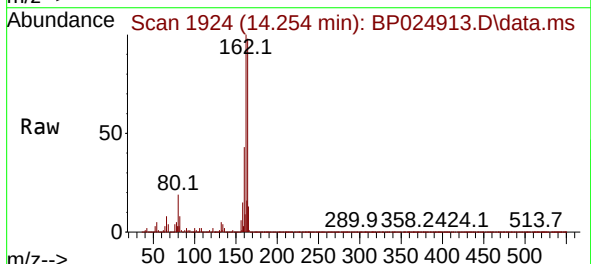
Instrument :
BNA_P
ClientSampleId :
TP06-MHI-WC

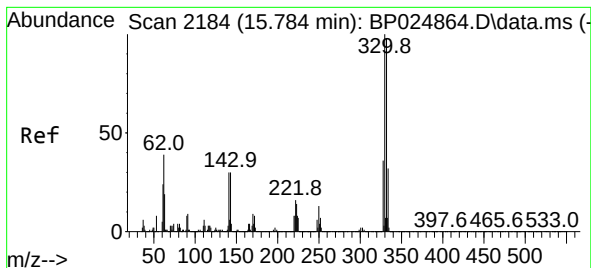
Tgt Ion: 82 Resp: 1131813
Ion Ratio Lower Upper
82 100
128 44.6 35.3 52.9
54 46.4 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion:164 Resp: 759753
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 43.8 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 96.235 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024913.D

Acq: 11 Jun 2025 15:43

Instrument :

BNA_P

ClientSampleId :

TP06-MHI-WC

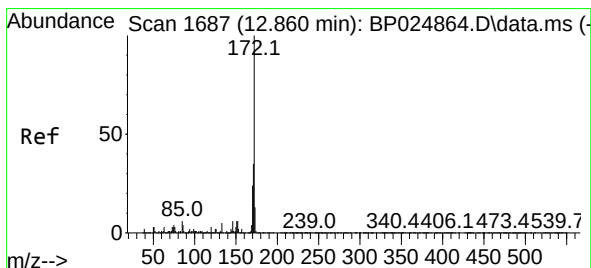
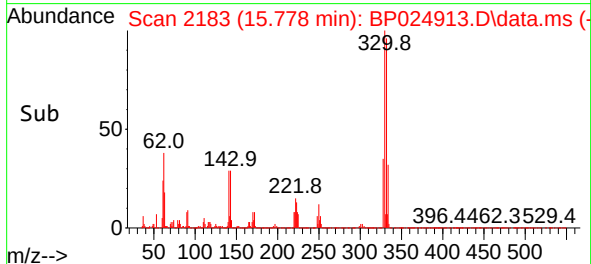
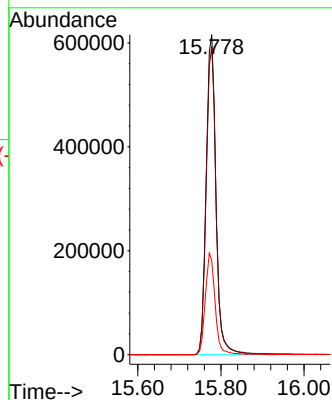
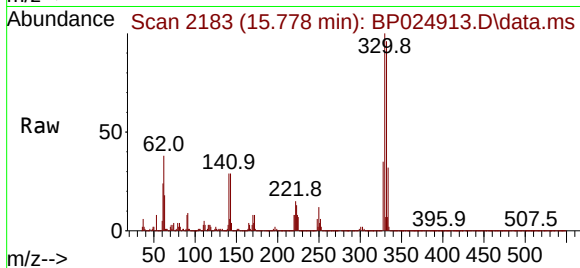
Tgt Ion:330 Resp: 1010853

Ion Ratio Lower Upper

330 100

332 97.1 77.7 116.5

141 31.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 42.167 ng

RT: 12.860 min Scan# 1687

Delta R.T. 0.000 min

Lab File: BP024913.D

Acq: 11 Jun 2025 15:43

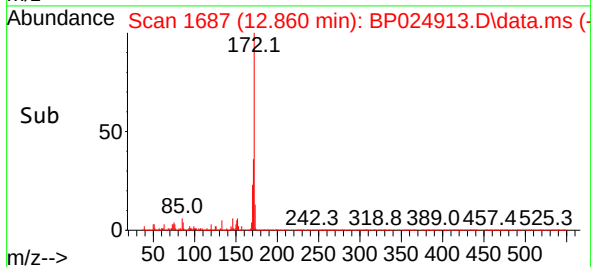
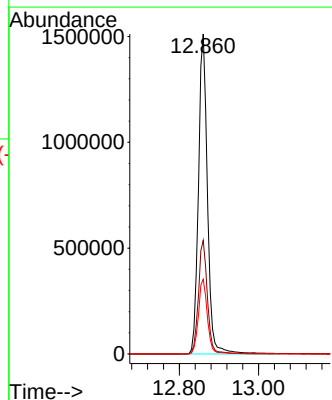
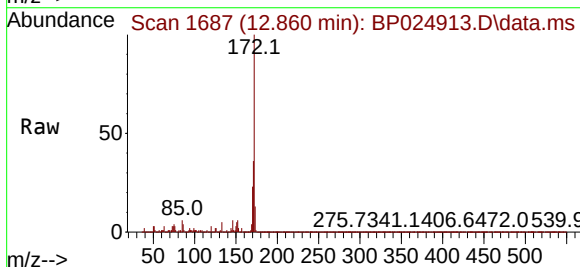
Tgt Ion:172 Resp: 2378152

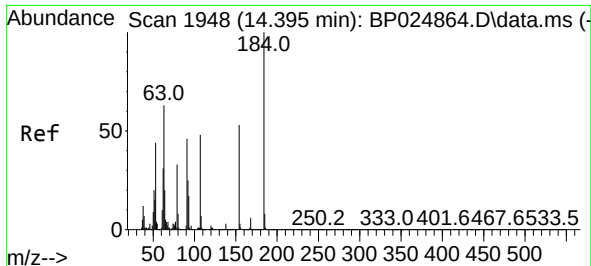
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.3 19.0 28.4

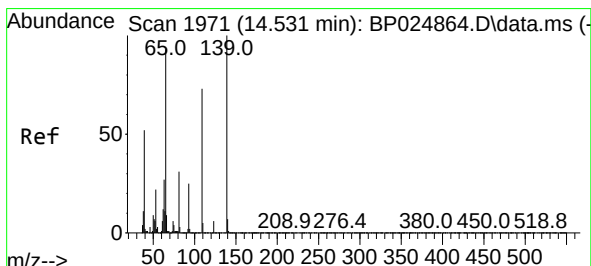
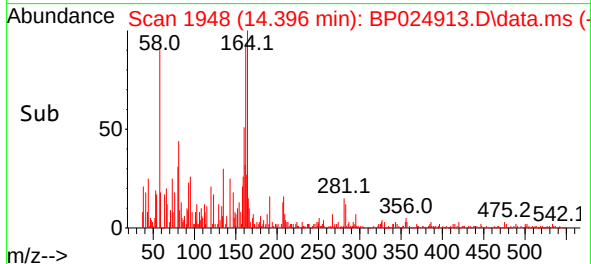
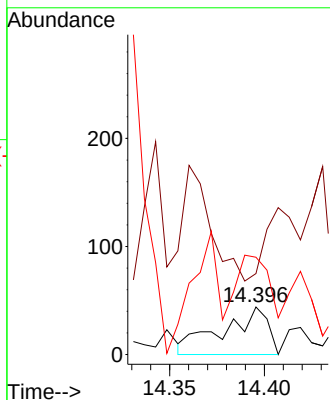
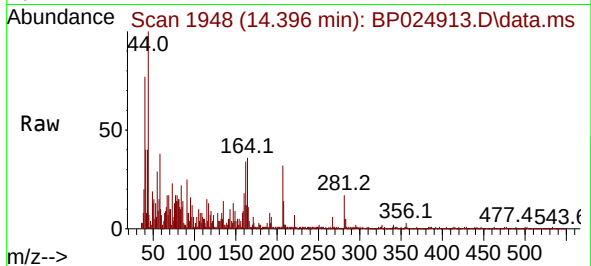




#54
2,4-Dinitrophenol
Concen: 5.572 ng
RT: 14.396 min Scan# 1948
Delta R.T. 0.001 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

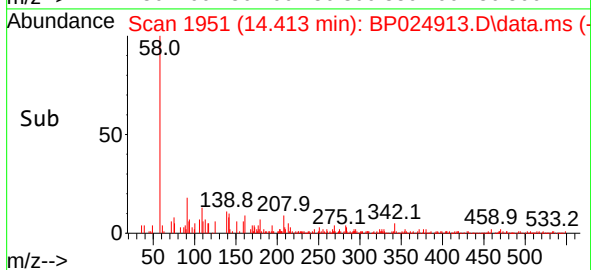
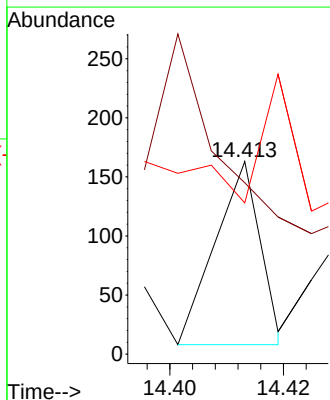
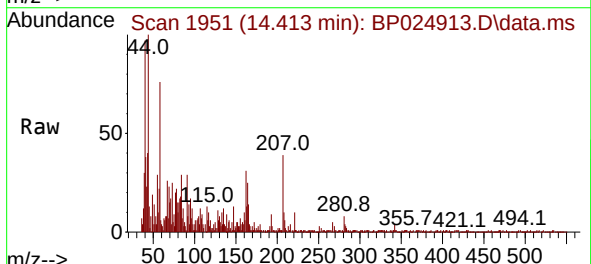
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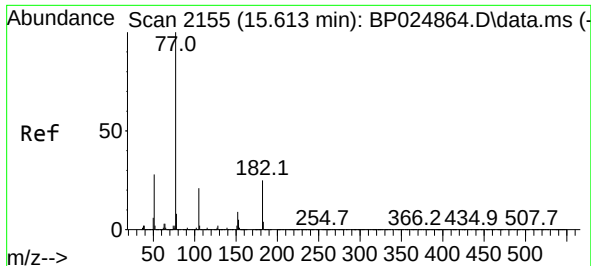
Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 170.5 51.0 76.4#
154 204.5 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.417 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.118 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion:139 Resp: 86
Ion Ratio Lower Upper
139 100
109 89.0 53.1 93.1
65 78.5 73.0 113.0

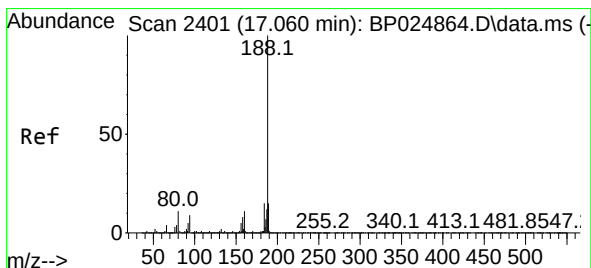
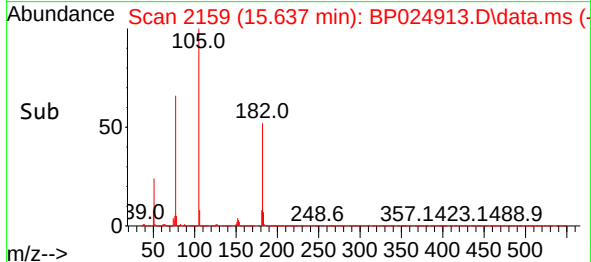
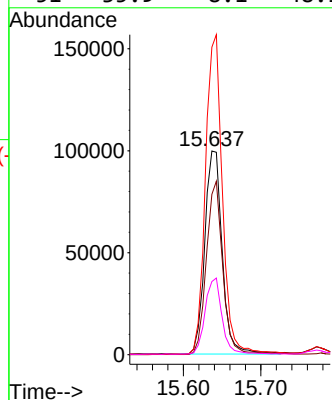
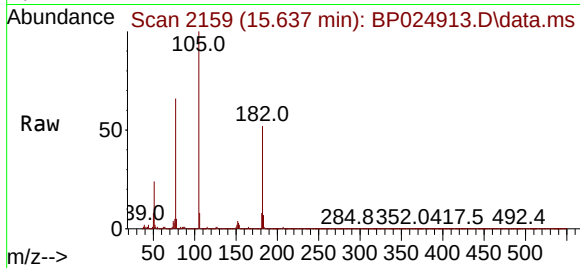




#63
Azobenzene
Concen: 3.045 ng
RT: 15.637 min Scan# 2155
Delta R.T. 0.024 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

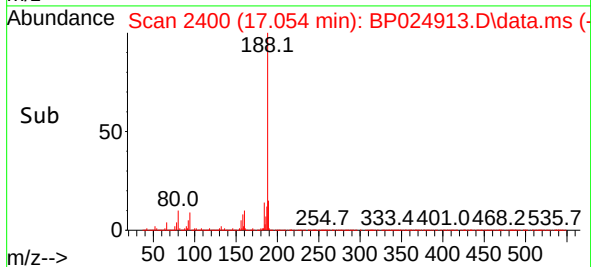
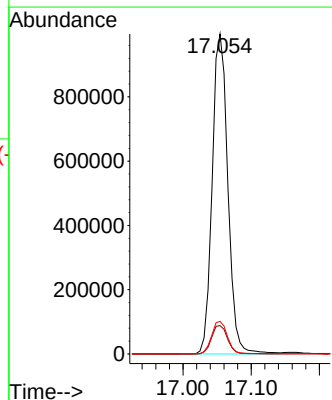
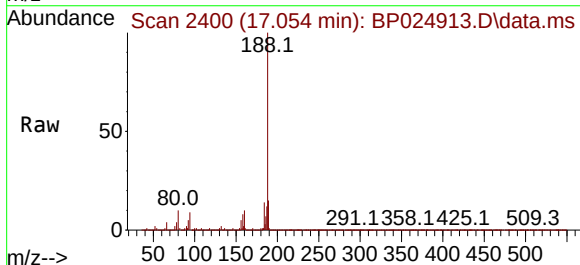
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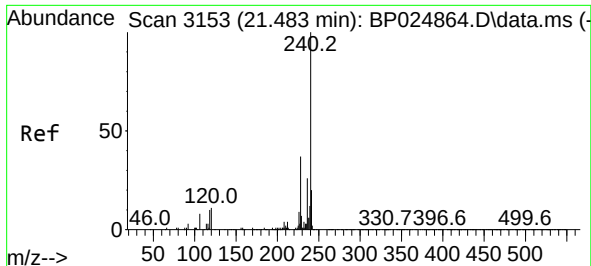
Tgt Ion: 77 Resp: 155997
Ion Ratio Lower Upper
77 100
182 78.7 5.4 45.4#
105 151.1 0.8 40.8#
51 35.9 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion: 188 Resp: 1591773
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 10.2 8.5 12.7

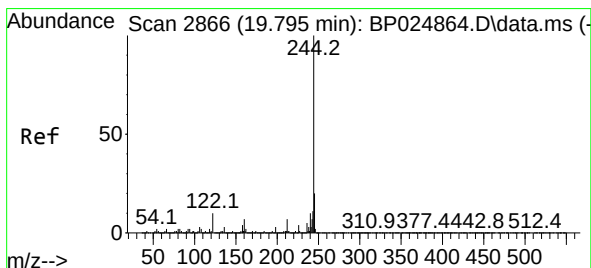
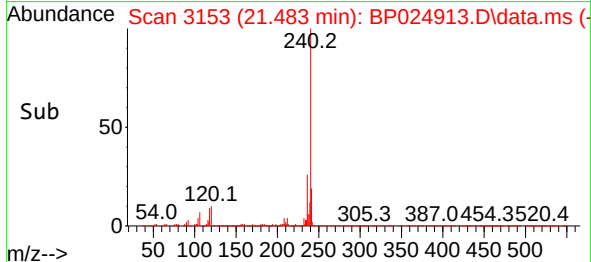
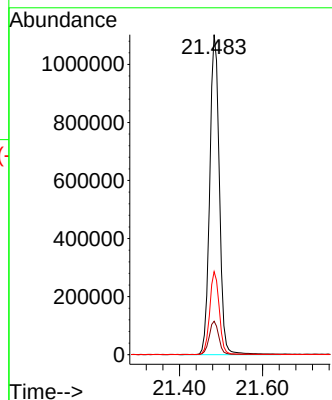
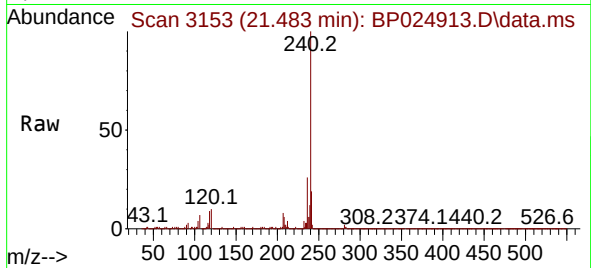




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

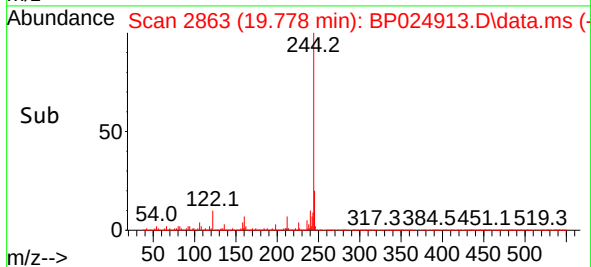
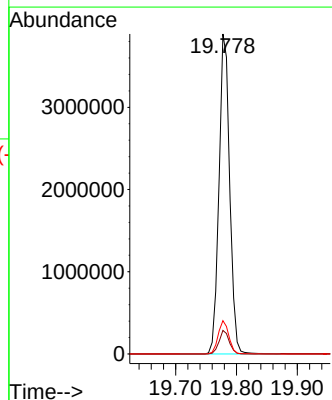
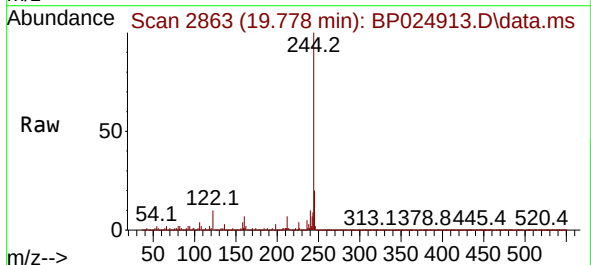
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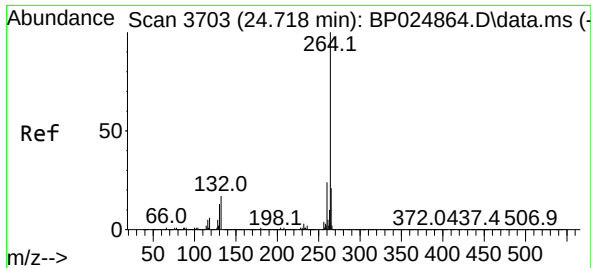
Tgt Ion:240 Resp: 1771083
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 26.0 20.9 31.3



#79
Terphenyl-d14
Concen: 47.848 ng
RT: 19.778 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BP024913.D
Acq: 11 Jun 2025 15:43

Tgt Ion:244 Resp: 4728287
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 10.4 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.742 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BP024913.D
 Acq: 11 Jun 2025 15:43

Instrument :
 BNA_P
 ClientSampleId :
 TP06-MHI-WC

Tgt Ion:264 Resp: 1991790
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 22.5 17.4 26.0

