

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024911.D
 Acq On : 11 Jun 2025 14:21
 Operator : RC/JU
 Sample : Q2227-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP07-MHH-WC

Quant Time: Jun 11 14:49:04 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)

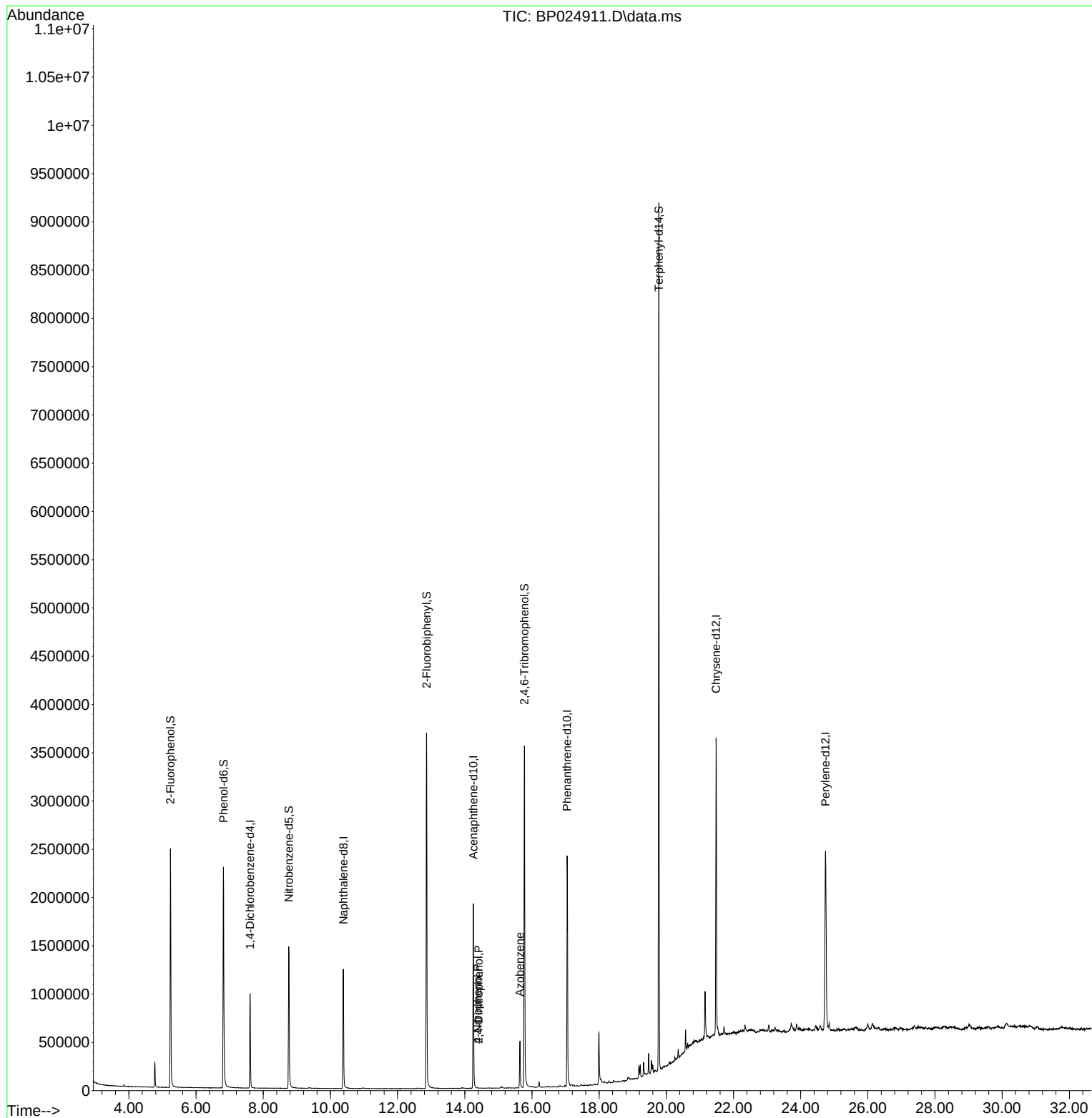
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	262982	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1037736	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	675868	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1424970	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1742549	20.000	ng	0.00
86) Perylene-d12	24.742	264	2024689	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1155321	73.331	ng	0.00
7) Phenol-d6	6.813	99	1520111	72.923	ng	0.00
23) Nitrobenzene-d5	8.760	82	912149	42.712	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	775671	83.011	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2014655	40.156	ng	0.00
79) Terphenyl-d14	19.777	244	4101842	42.188	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.413	184	44	5.569	ng	# 1
56) 4-Nitrophenol	14.384	139	105	5.420	ng	93
63) Azobenzene	15.642	77	152664	3.350	ng	# 1

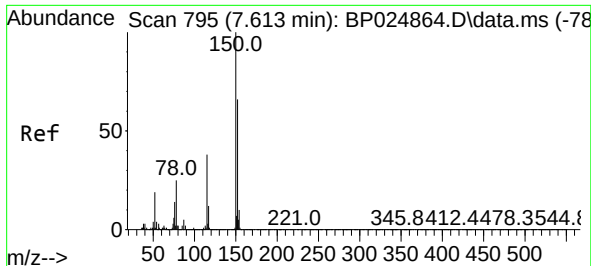
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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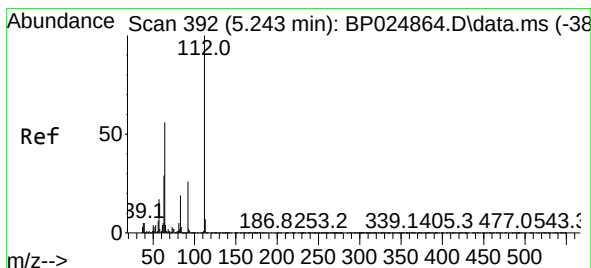
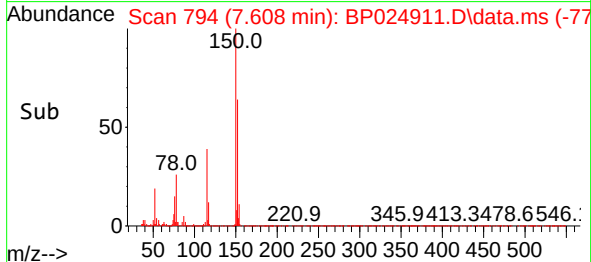
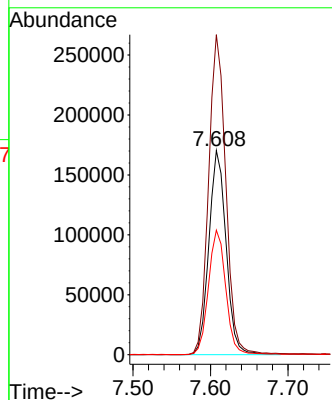
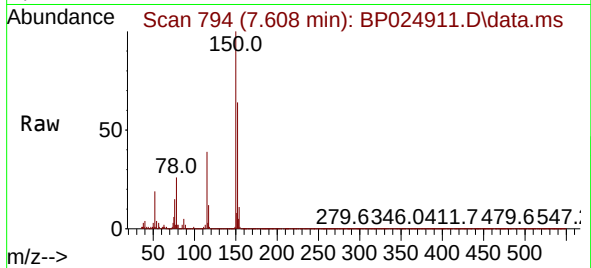




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.608 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024911.D
 Acq: 11 Jun 2025 14:21

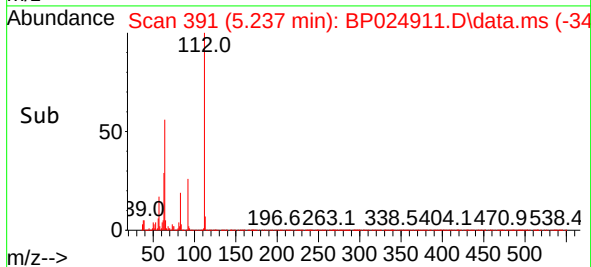
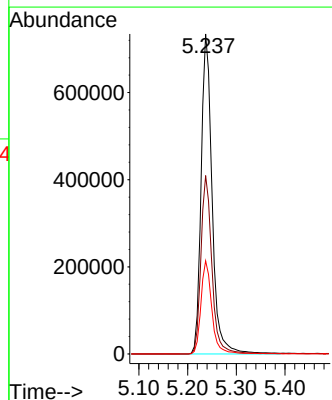
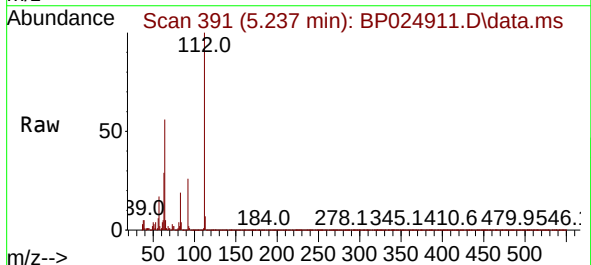
Instrument :
 BNA_P
 ClientSampleId :
 TP07-MHH-WC

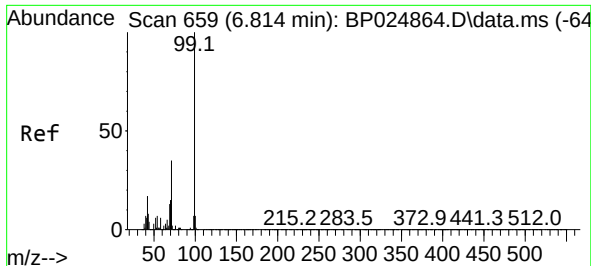
Tgt Ion:152 Resp: 262982
 Ion Ratio Lower Upper
 152 100
 150 156.8 122.1 183.1
 115 61.0 46.4 69.6



#5
 2-Fluorophenol
 Concen: 73.331 ng
 RT: 5.237 min Scan# 391
 Delta R.T. -0.006 min
 Lab File: BP024911.D
 Acq: 11 Jun 2025 14:21

Tgt Ion:112 Resp: 1155321
 Ion Ratio Lower Upper
 112 100
 64 55.8 44.7 67.1
 63 29.1 23.5 35.3

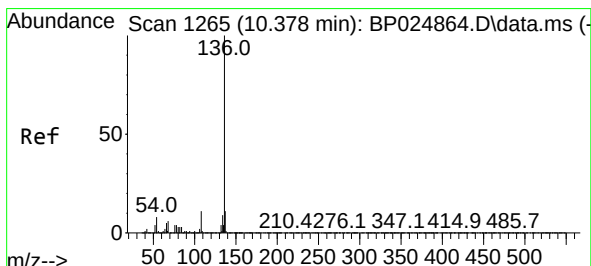
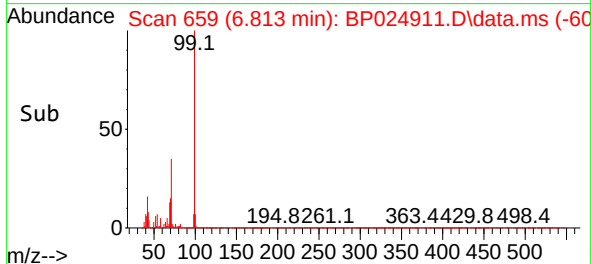
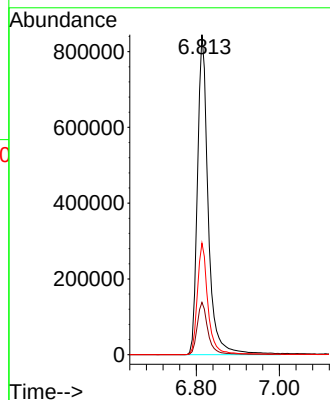
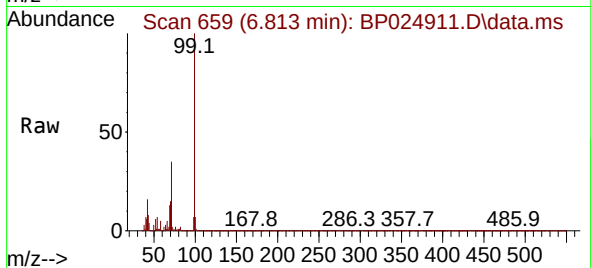




#7
Phenol-d6
Concen: 72.923 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

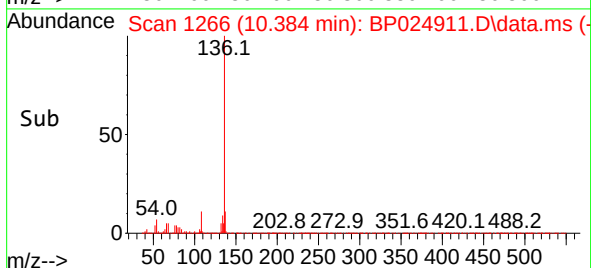
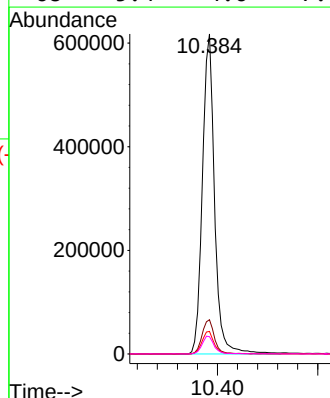
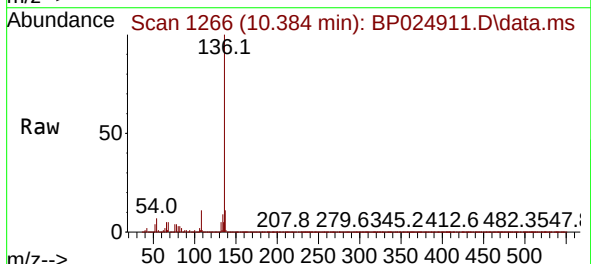
Instrument :
BNA_P
ClientSampleId :
TP07-MHH-WC

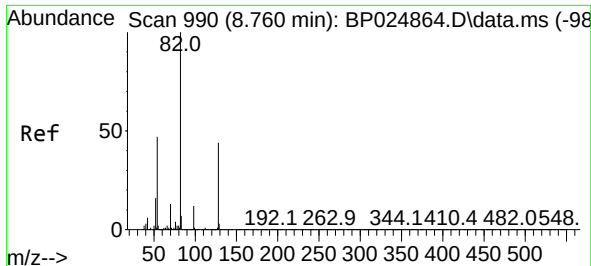
Tgt Ion: 99 Resp: 1520111
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

Tgt Ion:136 Resp: 1037736
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.1 6.1 9.1
68 5.4 4.6 7.0

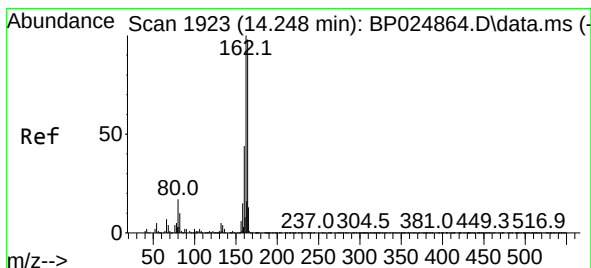
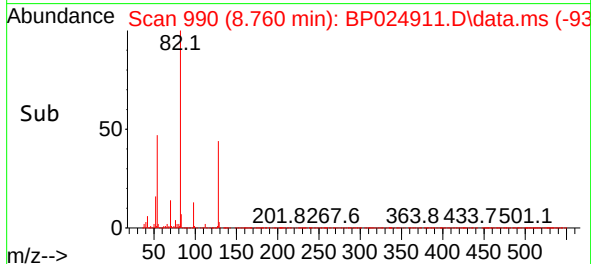
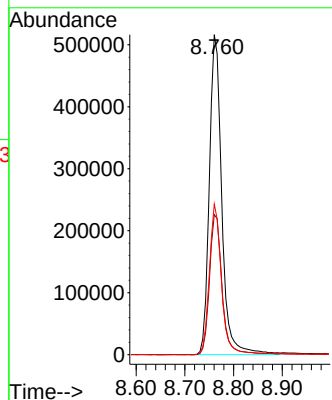
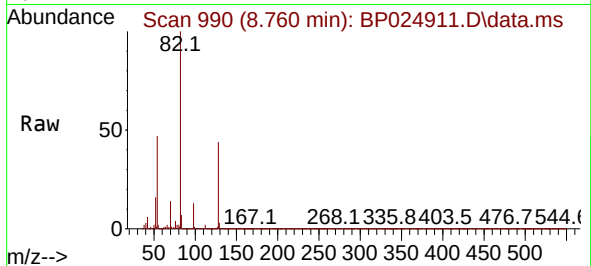




#23
Nitrobenzene-d5
Concen: 42.712 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

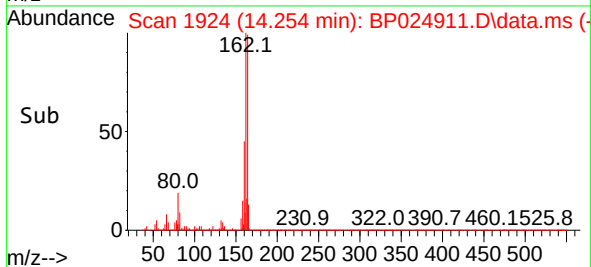
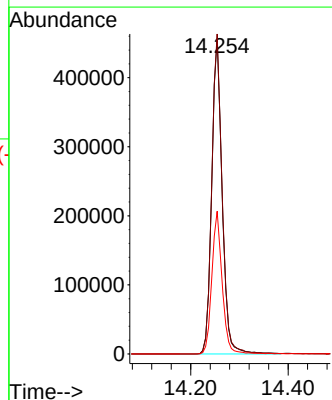
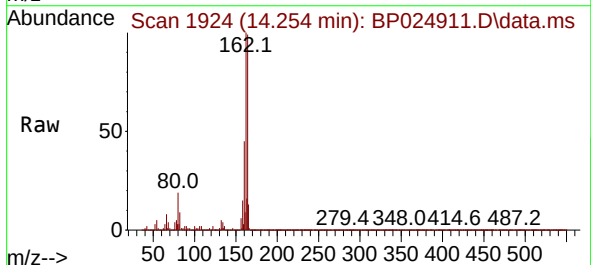
Instrument :
BNA_P
ClientSampleId :
TP07-MHH-WC

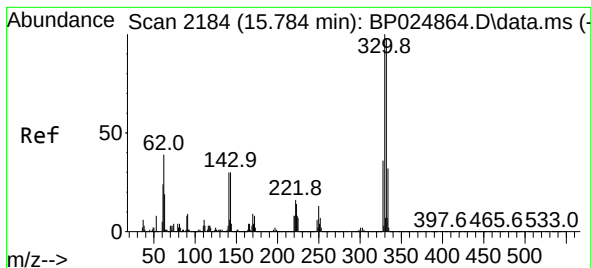
Tgt Ion: 82 Resp: 912149
Ion Ratio Lower Upper
82 100
128 43.8 35.3 52.9
54 47.1 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

Tgt Ion:164 Resp: 675868
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 45.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 83.011 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024911.D

Acq: 11 Jun 2025 14:21

Instrument :

BNA_P

ClientSampleId :

TP07-MHH-WC

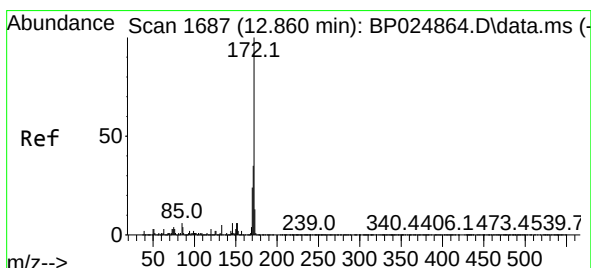
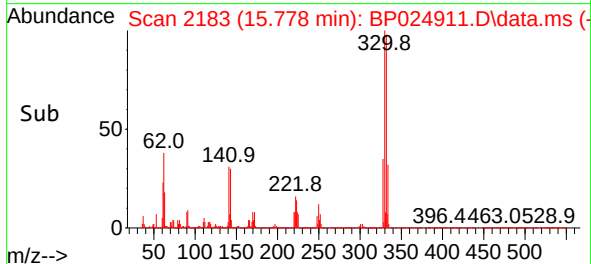
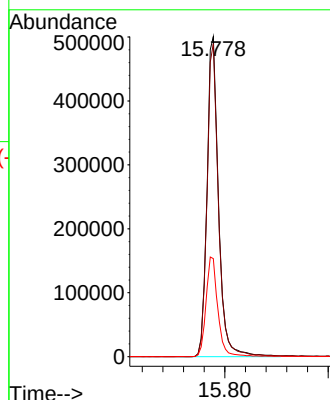
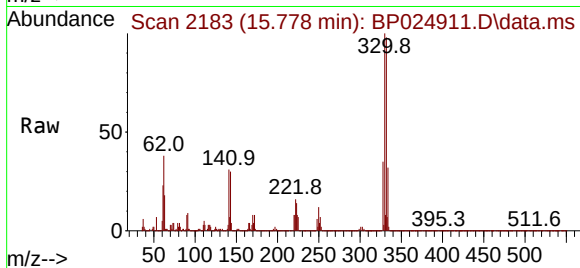
Tgt Ion:330 Resp: 775671

Ion Ratio Lower Upper

330 100

332 97.4 77.7 116.5

141 31.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 40.156 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024911.D

Acq: 11 Jun 2025 14:21

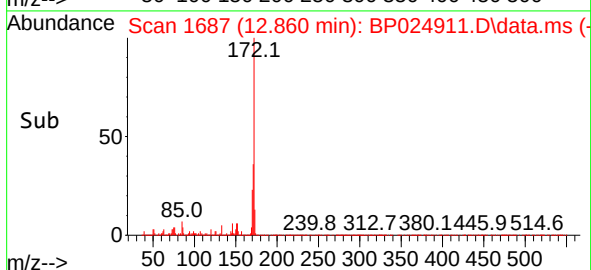
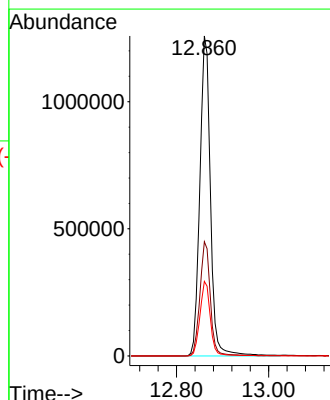
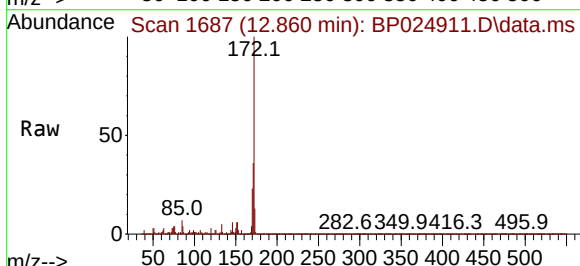
Tgt Ion:172 Resp: 2014655

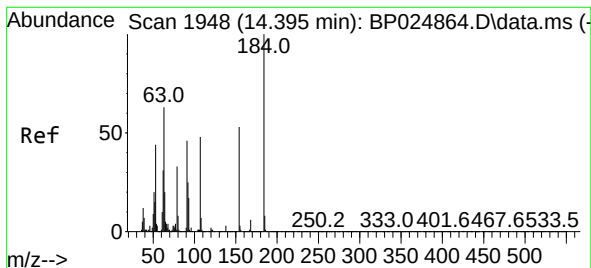
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.3 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.569 ng

RT: 14.413 min Scan# 1951

Delta R.T. 0.018 min

Lab File: BP024911.D

Acq: 11 Jun 2025 14:21

Instrument :

BNA_P

ClientSampleId :

TP07-MHH-WC

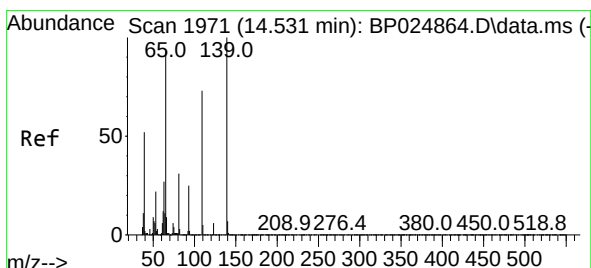
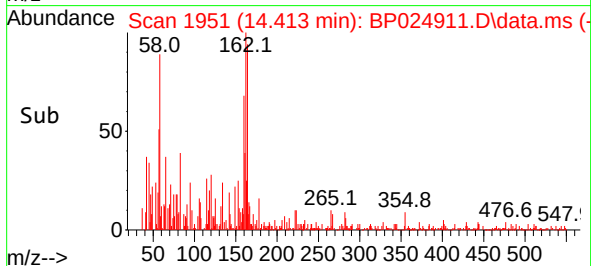
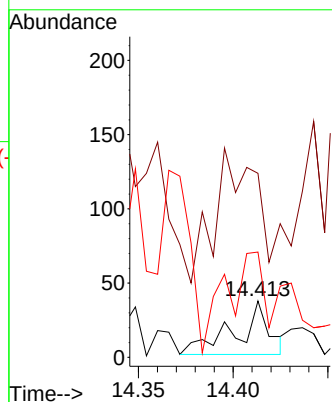
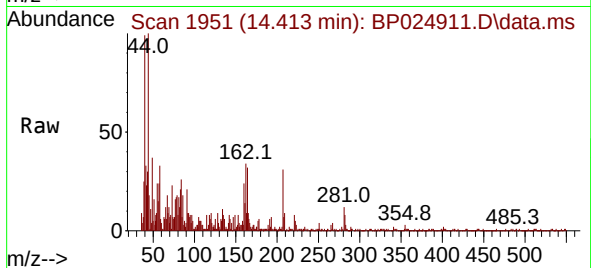
Tgt Ion:184 Resp: 44

Ion Ratio Lower Upper

184 100

63 326.3 51.0 76.4#

154 271.1 51.7 77.5#



#56

4-Nitrophenol

Concen: 5.420 ng

RT: 14.384 min Scan# 1946

Delta R.T. -0.147 min

Lab File: BP024911.D

Acq: 11 Jun 2025 14:21

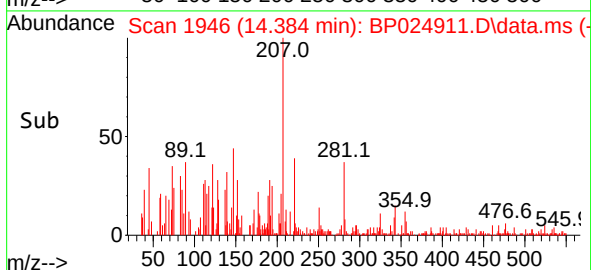
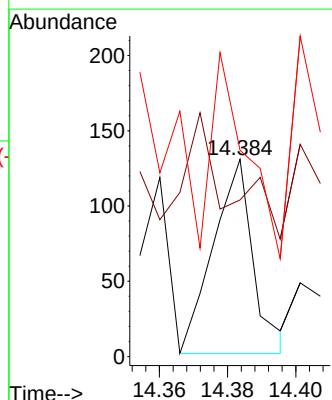
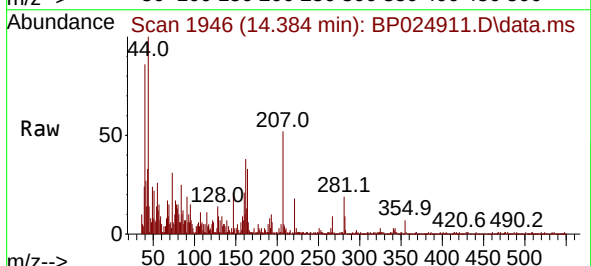
Tgt Ion:139 Resp: 105

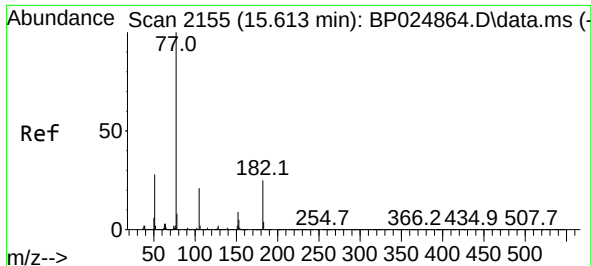
Ion Ratio Lower Upper

139 100

109 66.2 53.1 93.1

65 87.3 73.0 113.0

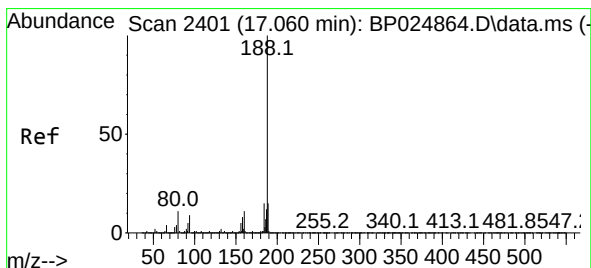
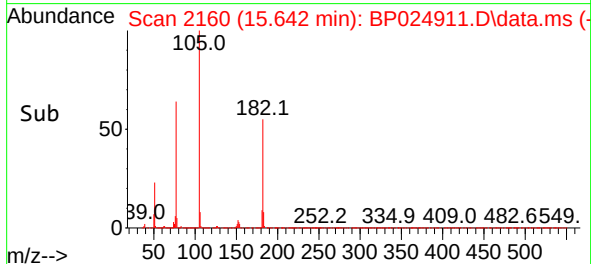
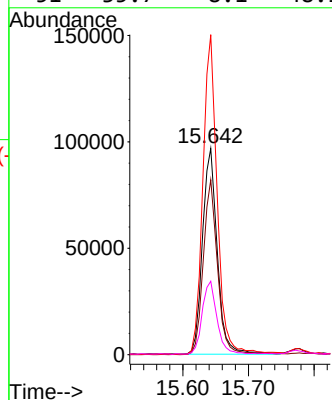
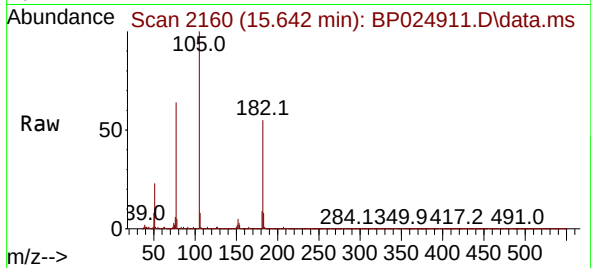




#63
Azobenzene
Concen: 3.350 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

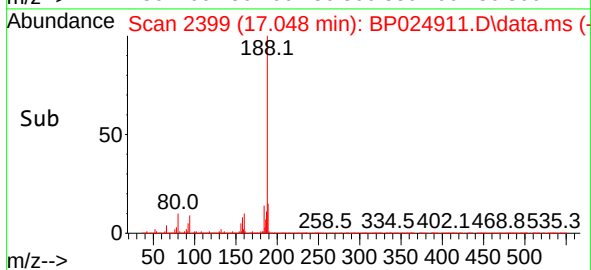
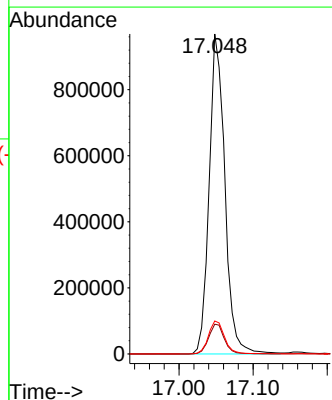
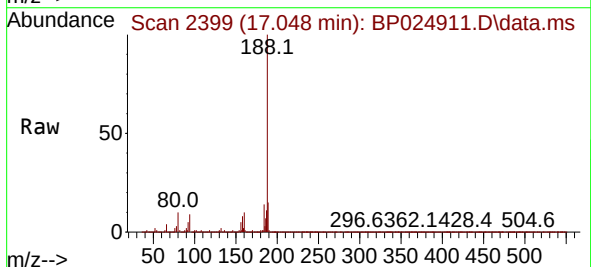
Instrument :
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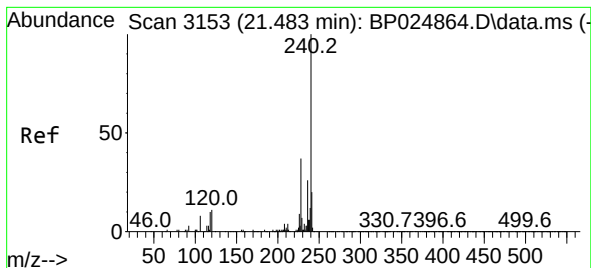
Tgt Ion: 77 Resp: 152664
Ion Ratio Lower Upper
77 100
182 84.8 5.4 45.4#
105 155.2 0.8 40.8#
51 35.7 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024911.D
Acq: 11 Jun 2025 14:21

Tgt Ion:188 Resp: 1424970
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.3 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: BP024911.D

Acq: 11 Jun 2025 14:21

Instrument :

BNA_P

ClientSampleId :

TP07-MHH-WC

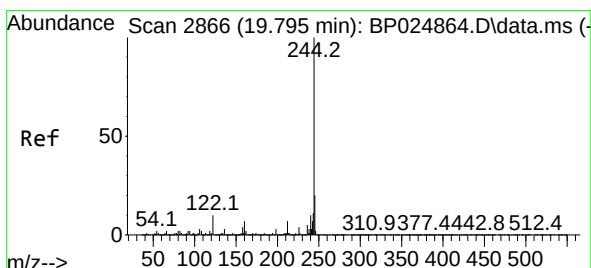
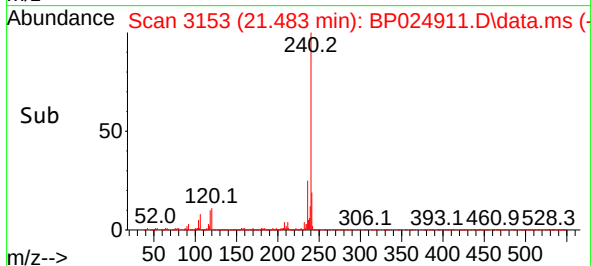
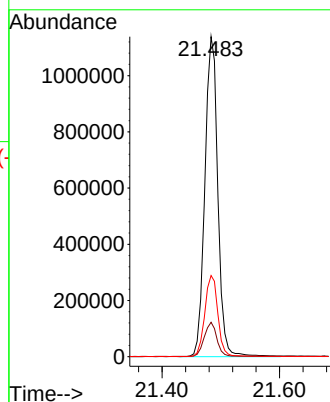
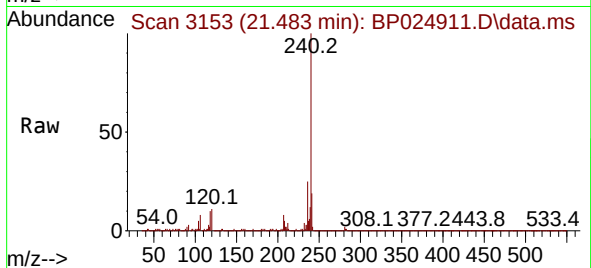
Tgt Ion:240 Resp: 1742549

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.4 20.9 31.3



#79

Terphenyl-d14

Concen: 42.188 ng

RT: 19.777 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BP024911.D

Acq: 11 Jun 2025 14:21

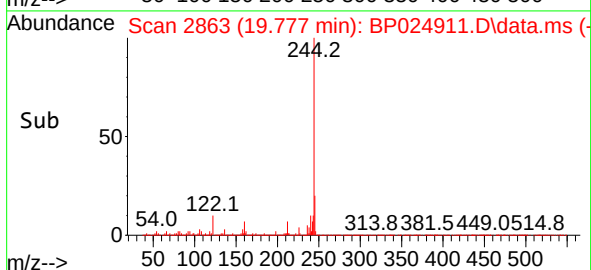
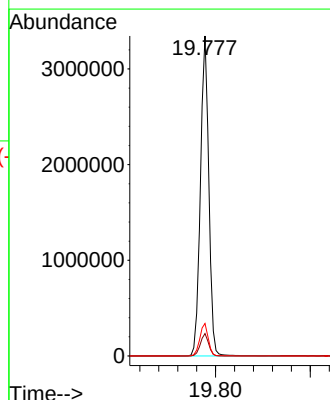
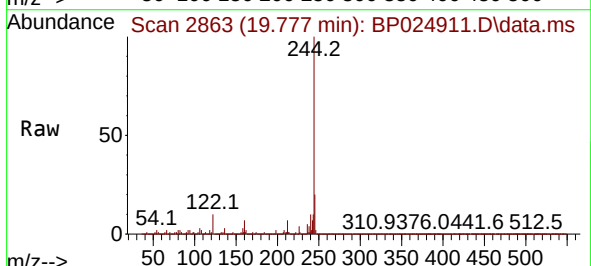
Tgt Ion:244 Resp: 4101842

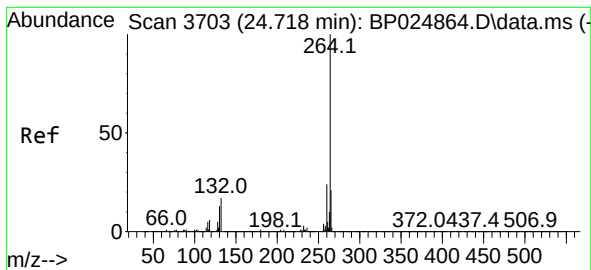
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.1 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.742 min Scan# 31
 Delta R.T. 0.023 min
 Lab File: BP024911.D
 Acq: 11 Jun 2025 14:21

Instrument :
 BNA_P
 ClientSampleId :
 TP07-MHH-WC

Tgt Ion:264 Resp: 2024689
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 22.2 17.4 26.0

