

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024910.D
 Acq On : 11 Jun 2025 13:40
 Operator : RC/JU
 Sample : Q2207-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-703-COMP-01

Quant Time: Jun 11 14:04:05 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)

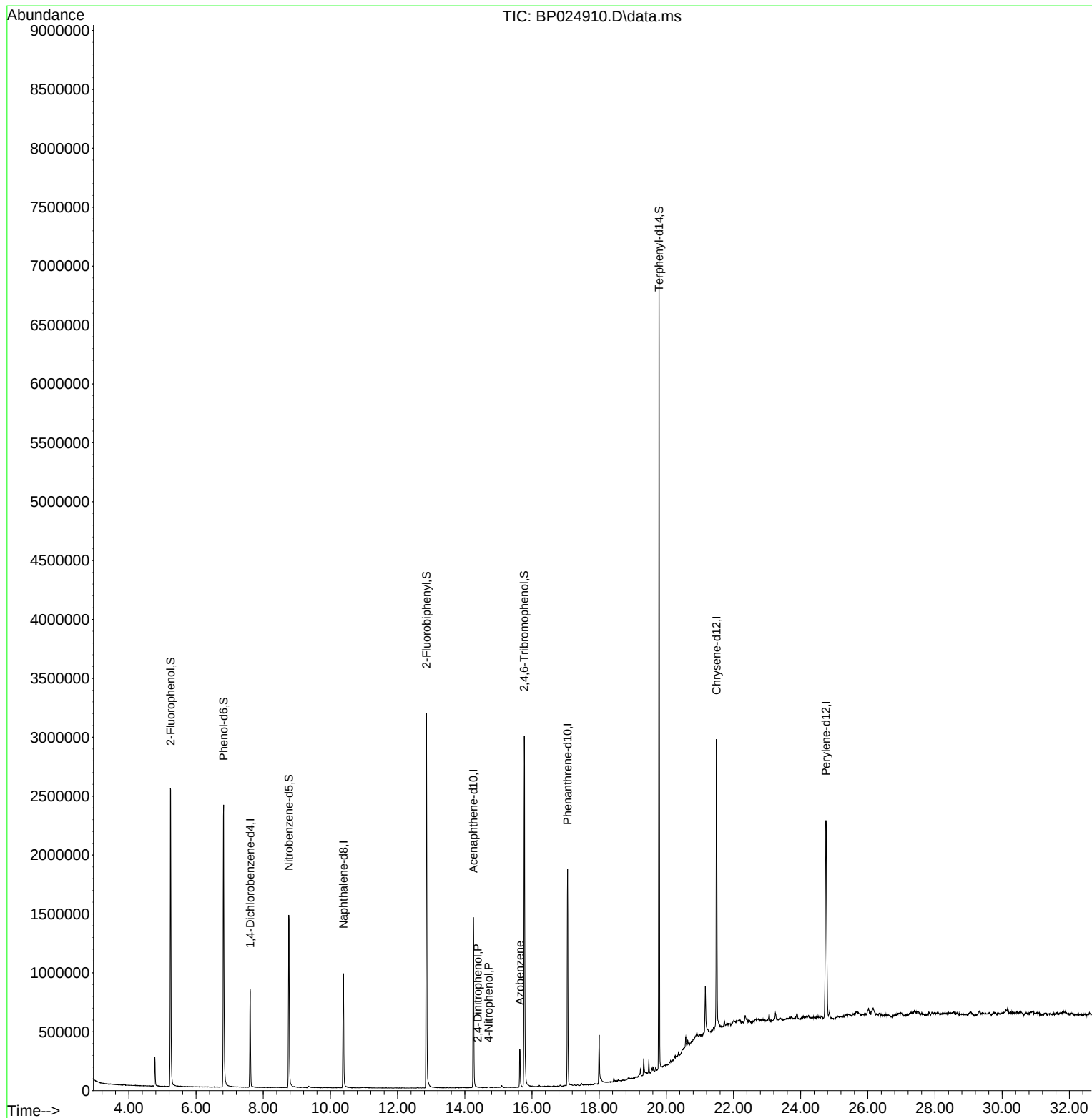
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	235078	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	911586	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	554138	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1113665	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1422576	20.000	ng	0.01
86) Perylene-d12	24.754	264	1801899	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1202826	85.408	ng	0.00
7) Phenol-d6	6.819	99	1554625	83.431	ng	0.00
23) Nitrobenzene-d5	8.760	82	916571	48.859	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	687412	89.726	ng	-0.01
45) 2-Fluorobiphenyl	12.860	172	1828428	44.449	ng	0.00
79) Terphenyl-d14	19.783	244	3360381	42.336	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.384	184	44	5.571	ng	# 1
56) 4-Nitrophenol	14.707	139	83	5.419	ng	89
63) Azobenzene	15.637	77	100409	2.687	ng	# 1

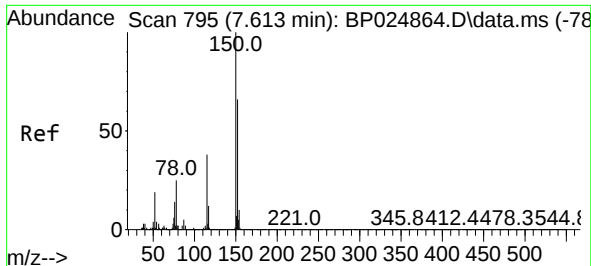
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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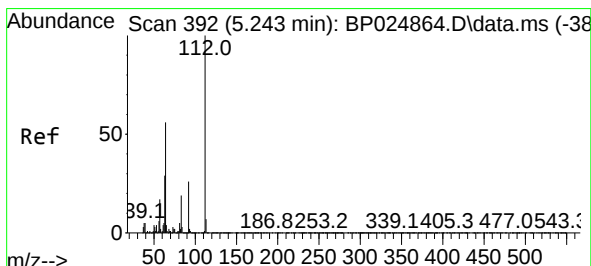
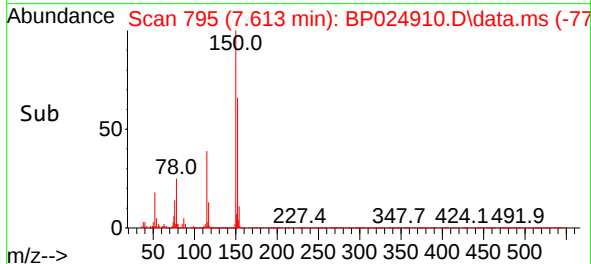
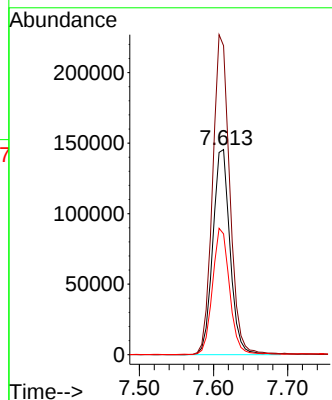
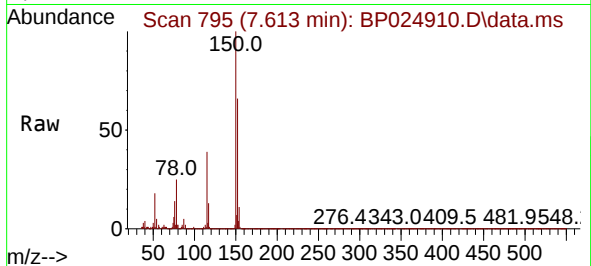




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

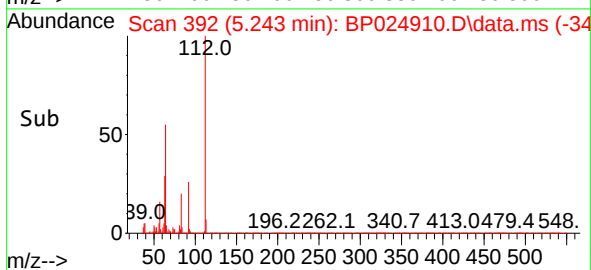
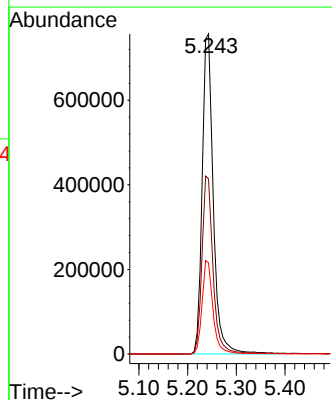
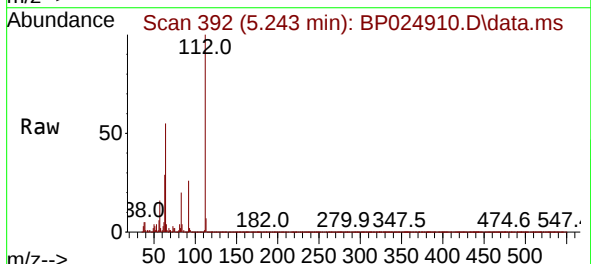
Instrument :
BNA_P
ClientSampleId :
BU-703-COMP-01

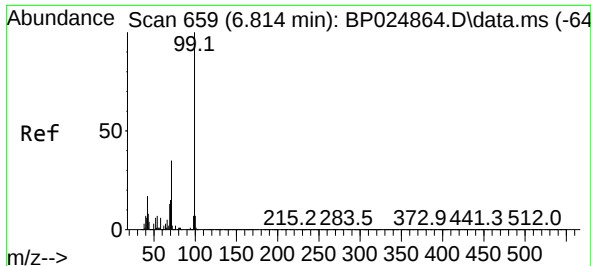
Tgt Ion:152 Resp: 235078
Ion Ratio Lower Upper
152 100
150 150.7 122.1 183.1
115 58.9 46.4 69.6



#5
2-Fluorophenol
Concen: 85.408 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion:112 Resp: 1202826
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.5 23.5 35.3

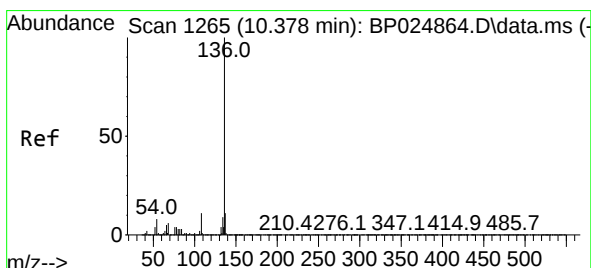
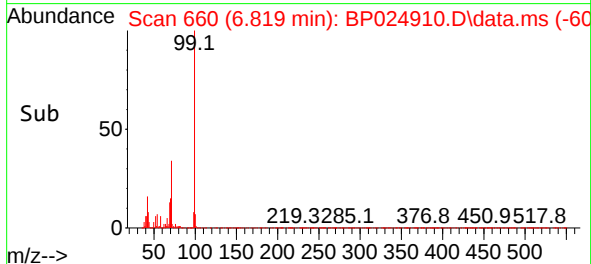
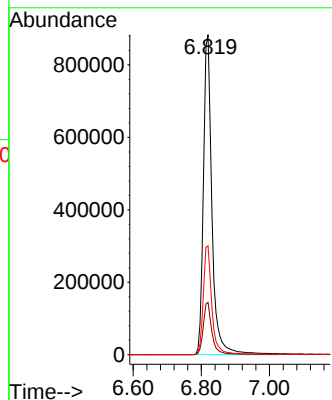
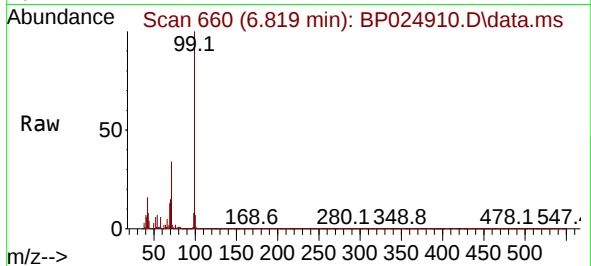




#7
Phenol-d6
Concen: 83.431 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

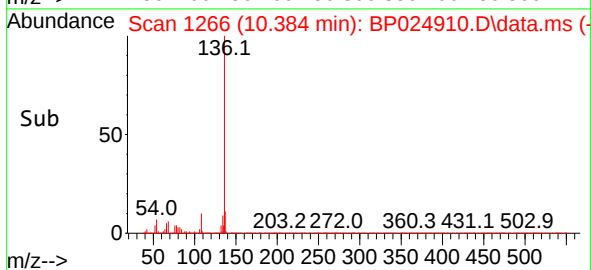
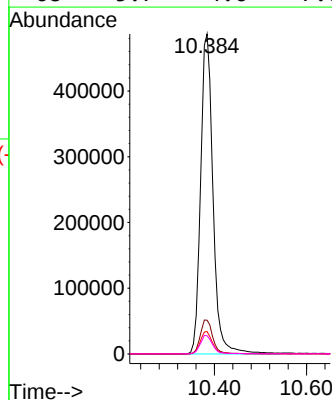
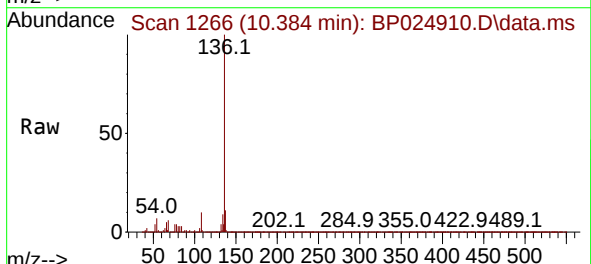
Instrument :
BNA_P
ClientSampleId :
BU-703-COMP-01

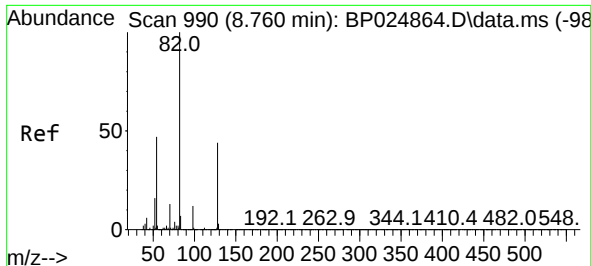
Tgt Ion: 99 Resp: 1554625
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion: 136 Resp: 911586
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.0 6.1 9.1
68 5.7 4.6 7.0

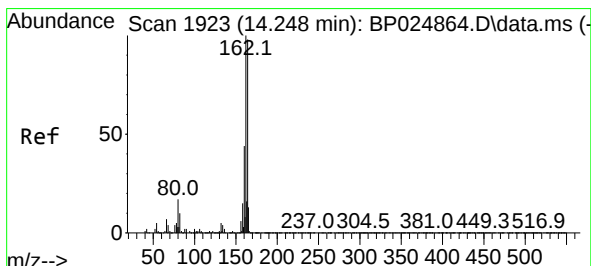
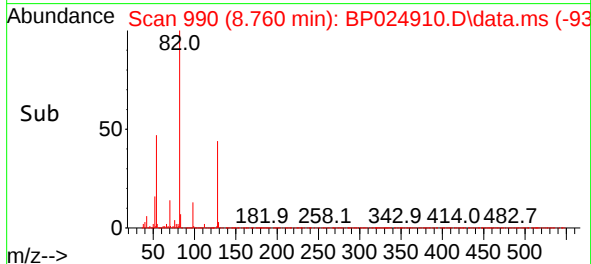
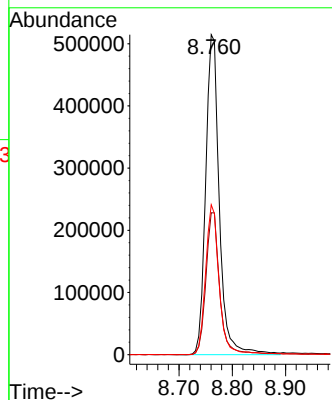
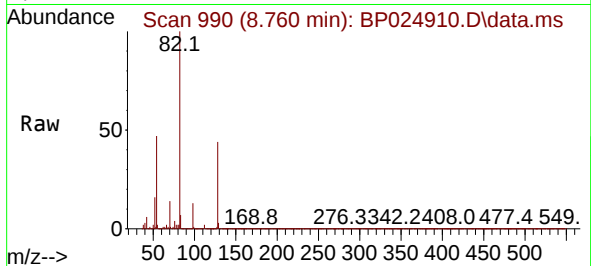




#23
Nitrobenzene-d5
Concen: 48.859 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

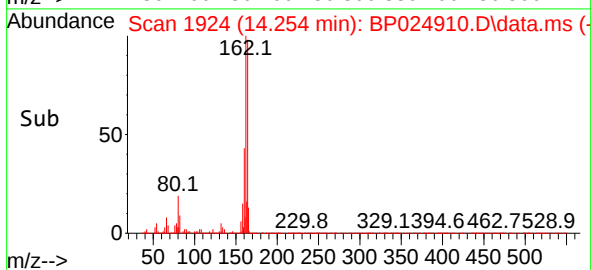
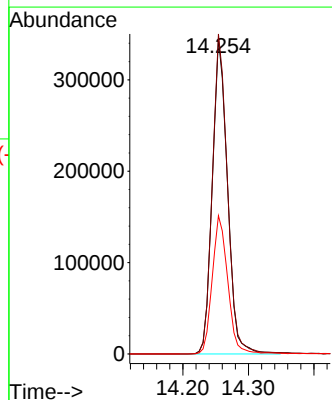
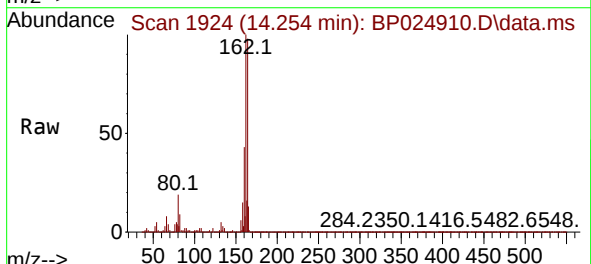
Instrument :
BNA_P
ClientSampleId :
BU-703-COMP-01

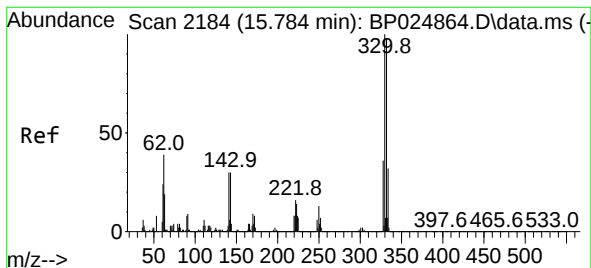
Tgt Ion: 82 Resp: 916571
Ion Ratio Lower Upper
82 100
128 44.3 35.3 52.9
54 46.9 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion:164 Resp: 554138
Ion Ratio Lower Upper
164 100
162 101.6 81.6 122.4
160 43.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 89.726 ng

RT: 15.772 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BP024910.D

Acq: 11 Jun 2025 13:40

Instrument :

BNA_P

ClientSampleId :

BU-703-COMP-01

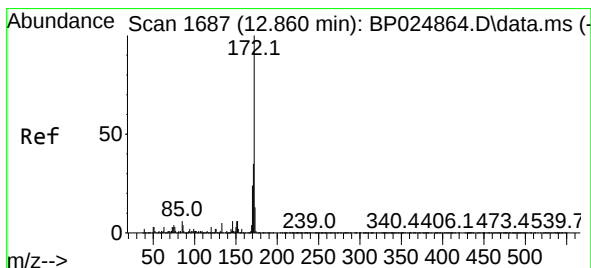
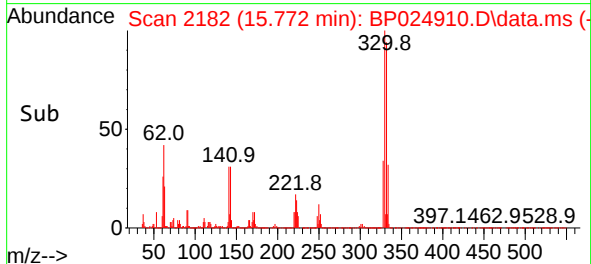
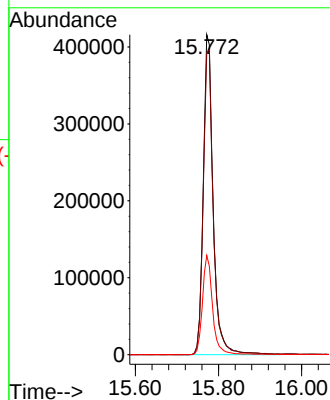
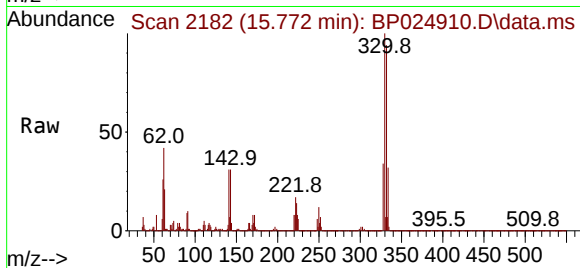
Tgt Ion:330 Resp: 687412

Ion Ratio Lower Upper

330 100

332 96.6 77.7 116.5

141 31.4 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 44.449 ng

RT: 12.860 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BP024910.D

Acq: 11 Jun 2025 13:40

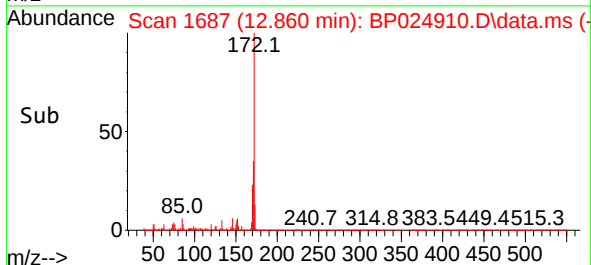
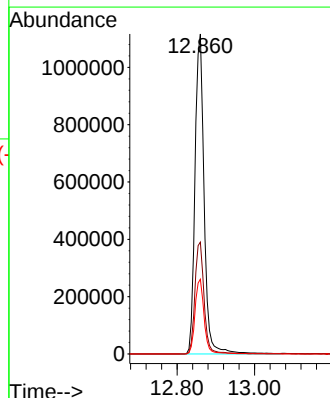
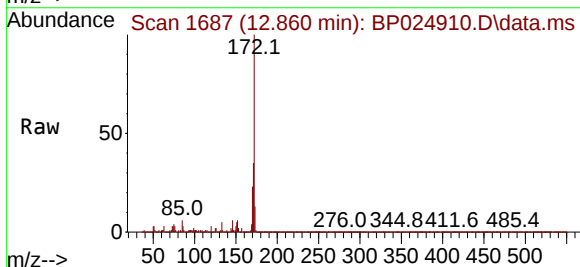
Tgt Ion:172 Resp: 1828428

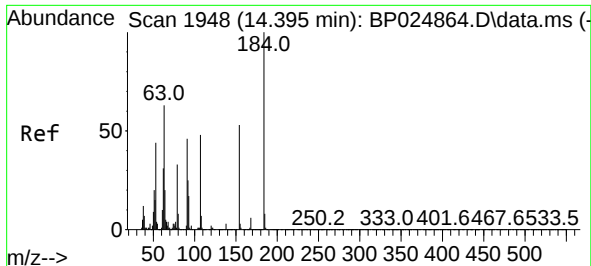
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.4

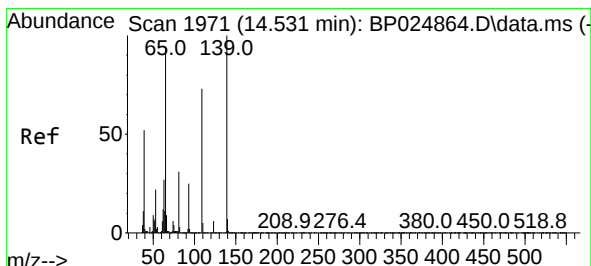
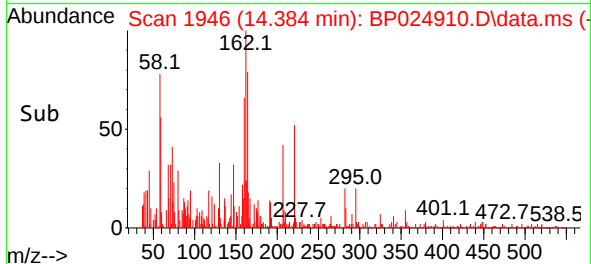
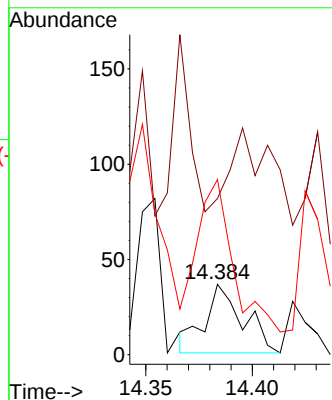
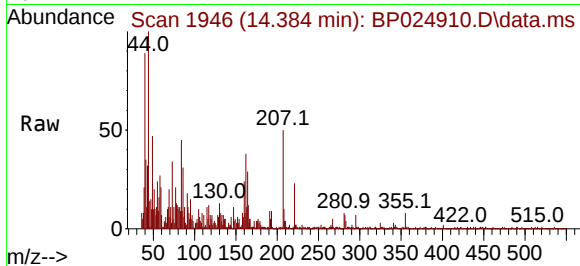




#54
2,4-Dinitrophenol
Concen: 5.571 ng
RT: 14.384 min Scan# 1948
Delta R.T. -0.011 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

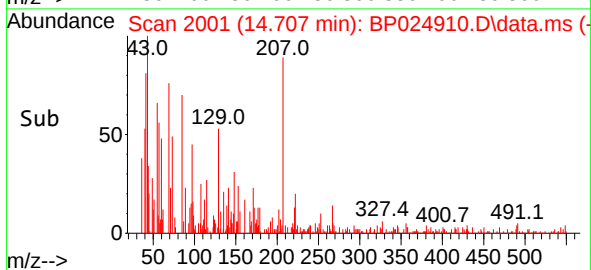
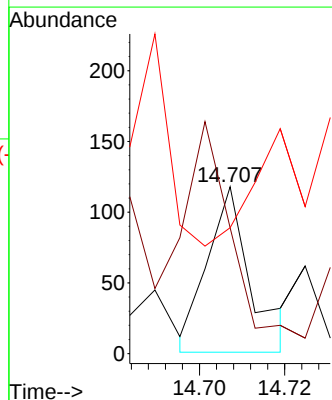
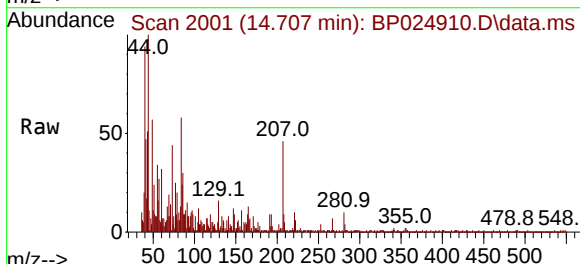
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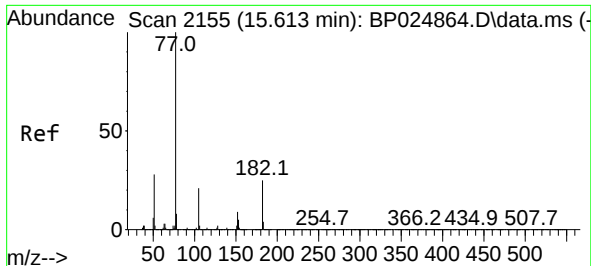
Tgt Ion:184 Resp: 44
Ion Ratio Lower Upper
184 100
63 221.6 51.0 76.4#
154 248.6 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.419 ng
RT: 14.707 min Scan# 2001
Delta R.T. 0.176 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion:139 Resp: 83
Ion Ratio Lower Upper
139 100
109 75.4 53.1 93.1
65 75.4 73.0 113.0

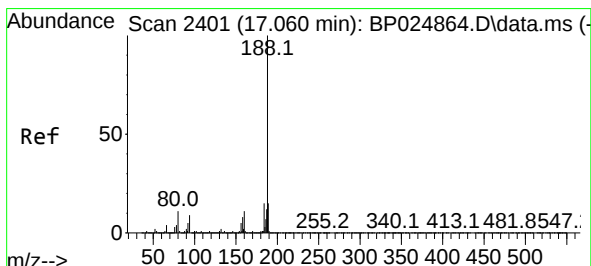
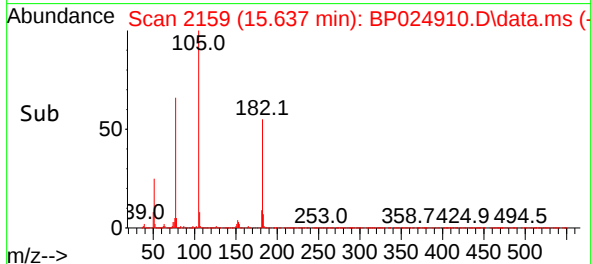
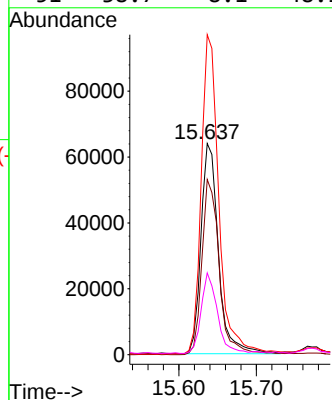
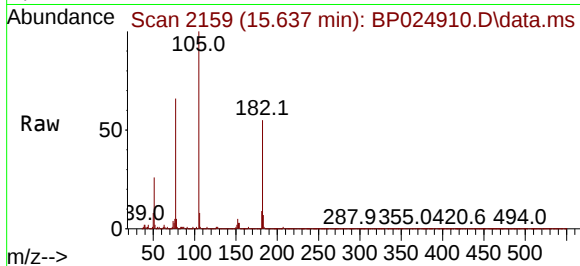




#63
Azobenzene
Concen: 2.687 ng
RT: 15.637 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

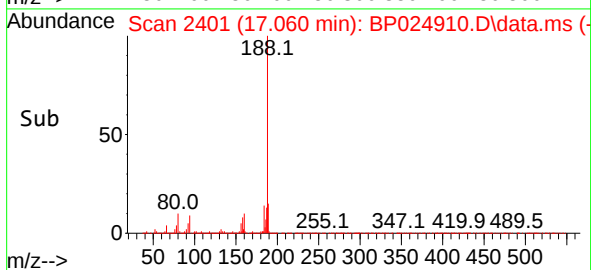
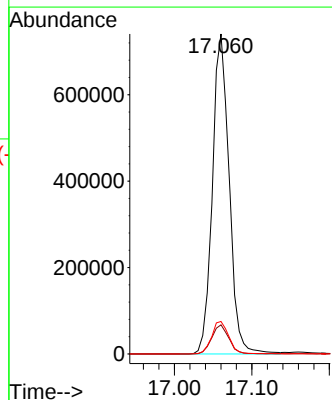
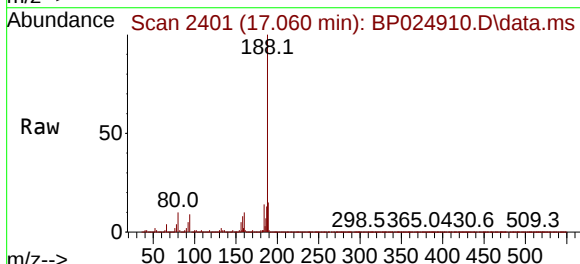
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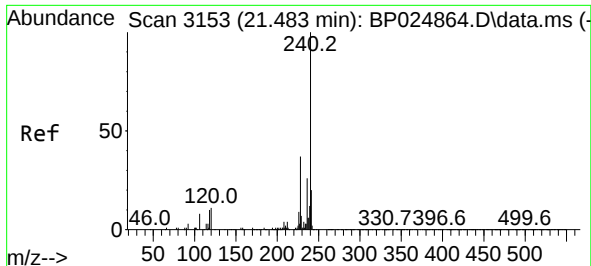
Tgt Ion: 77 Resp: 100409
Ion Ratio Lower Upper
77 100
182 83.0 5.4 45.4#
105 151.6 0.8 40.8#
51 38.7 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion:188 Resp: 1113665
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 10.2 8.5 12.7

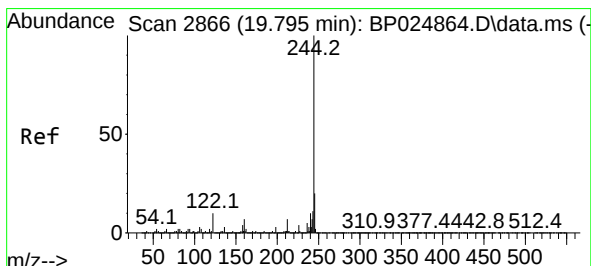
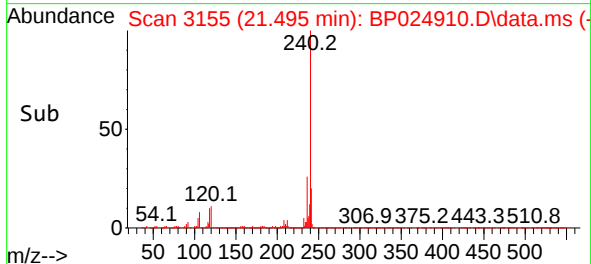
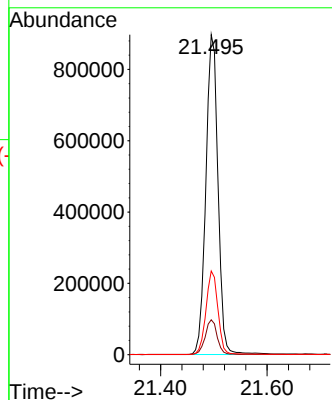
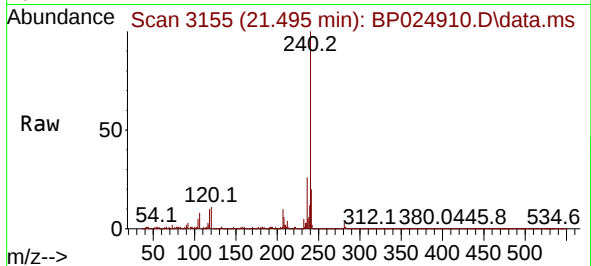




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

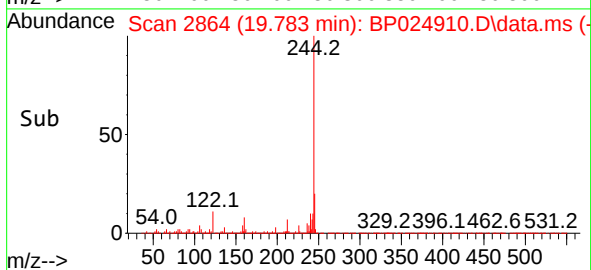
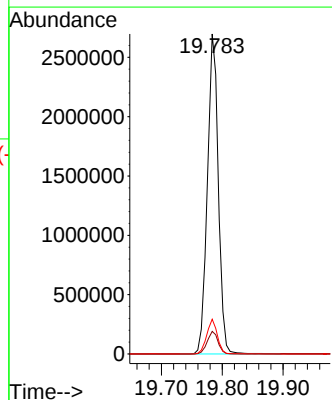
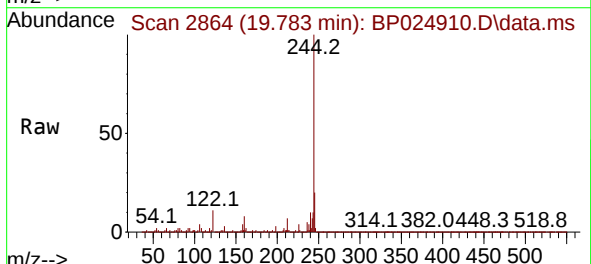
Instrument :
BNA_P
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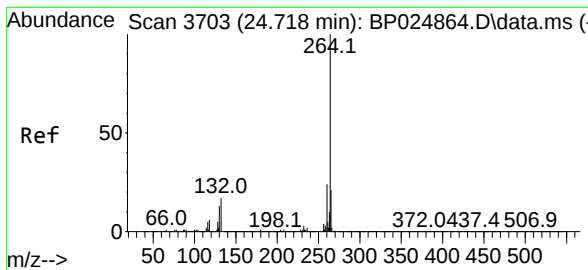
Tgt Ion:240 Resp: 1422576
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.1 20.9 31.3



#79
Terphenyl-d14
Concen: 42.336 ng
RT: 19.783 min Scan# 2864
Delta R.T. -0.012 min
Lab File: BP024910.D
Acq: 11 Jun 2025 13:40

Tgt Ion:244 Resp: 3360381
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.8 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.754 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: BP024910.D
 Acq: 11 Jun 2025 13:40

Instrument :
 BNA_P
 ClientSampleId :
 BU-703-COMP-01

Tgt Ion:264 Resp: 1801899

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.0	17.4	26.0

