

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024931.D
 Acq On : 12 Jun 2025 15:52
 Operator : RC/JU
 Sample : Q2272-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-6

Quant Time: Jun 12 17:00:59 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)

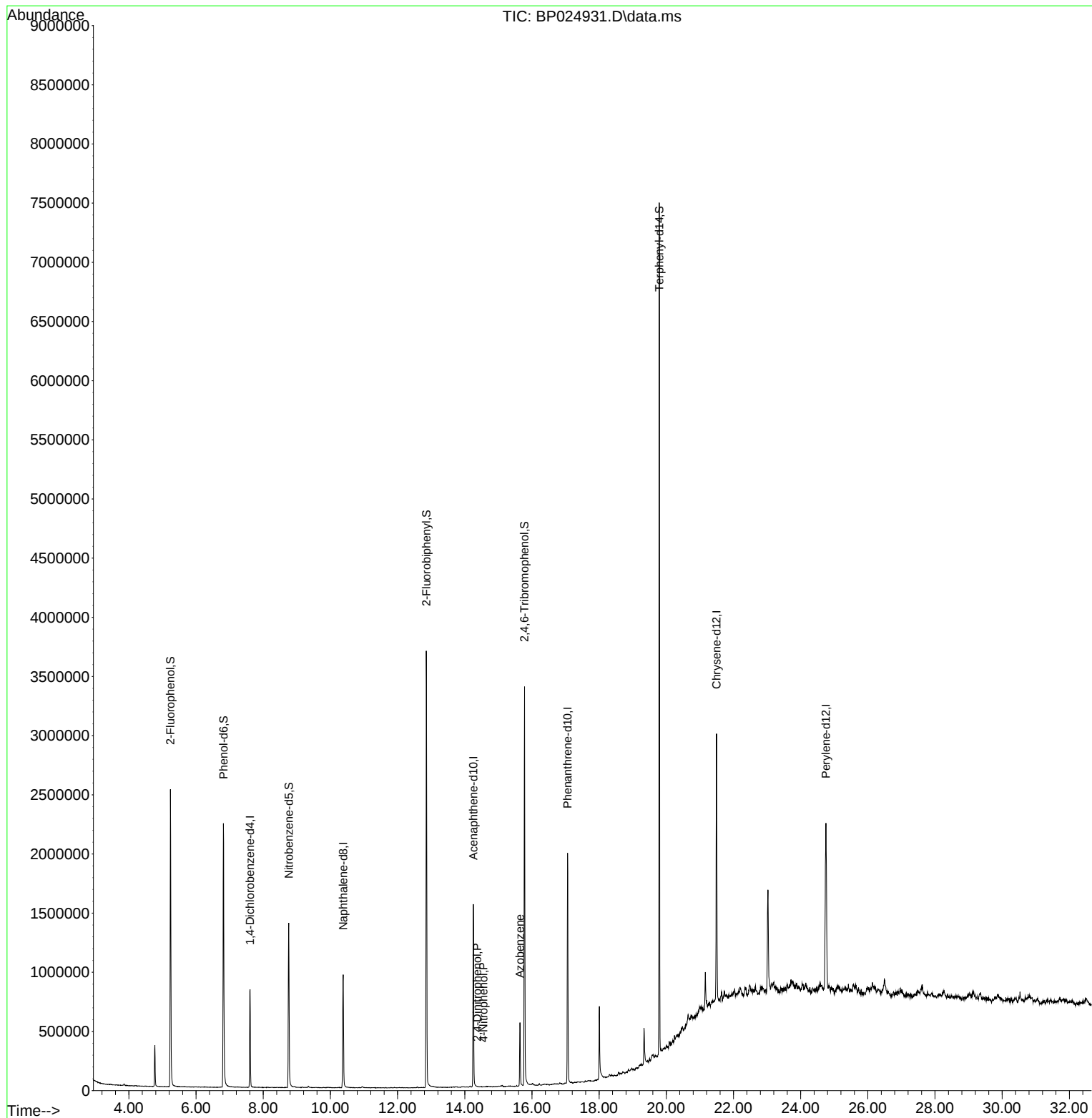
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	231724	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	907649	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	567160	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1146649	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1273496	20.000	ng	0.01
86) Perylene-d12	24.754	264	1540113	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1145135	82.489	ng	0.00
7) Phenol-d6	6.814	99	1461361	79.561	ng	0.00
23) Nitrobenzene-d5	8.760	82	903309	48.361	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	691245	88.154	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1901971	45.176	ng	0.00
79) Terphenyl-d14	19.789	244	3129517	44.043	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.372	184	21	5.567	ng	# 1
56) 4-Nitrophenol	14.554	139	164	5.428	ng	# 30
63) Azobenzene	15.642	77	164566	4.303	ng	# 1

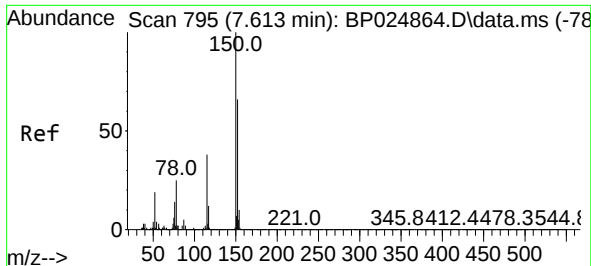
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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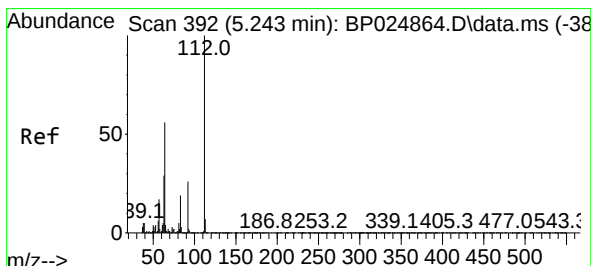
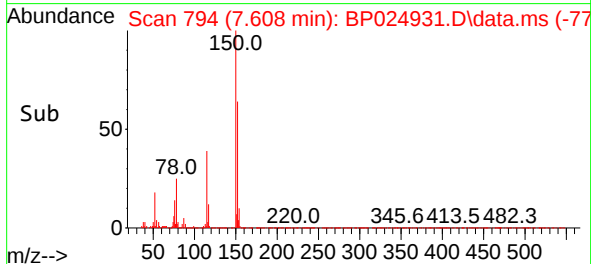
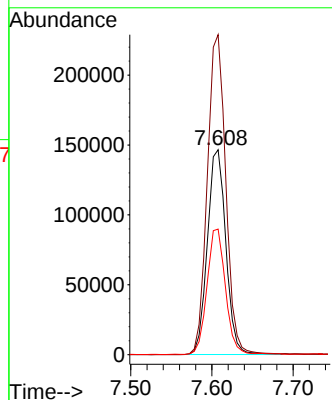
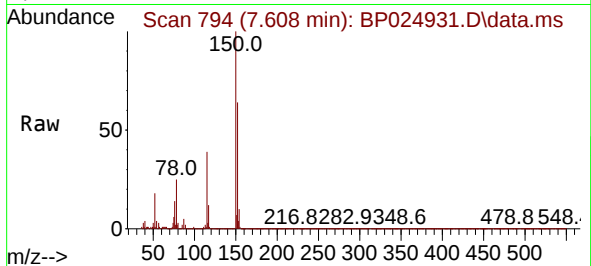




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

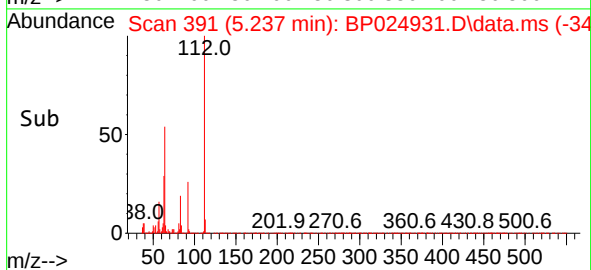
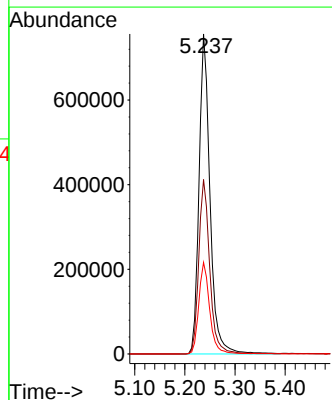
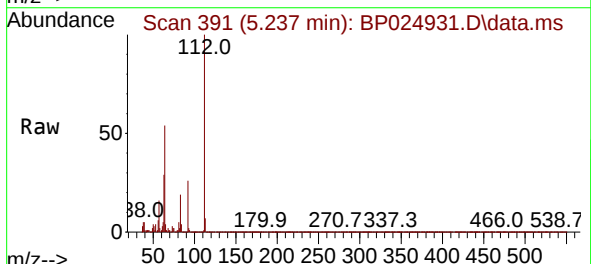
Instrument :
BNA_P
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 231724
Ion Ratio Lower Upper
152 100
150 156.1 122.1 183.1
115 61.3 46.4 69.6



#5
2-Fluorophenol
Concen: 82.489 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

Tgt Ion:112 Resp: 1145135
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 28.6 23.5 35.3

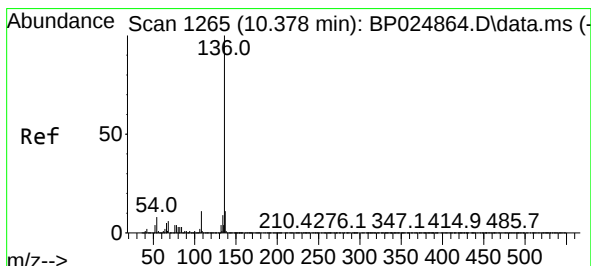
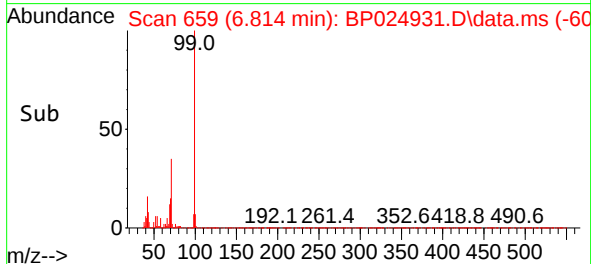
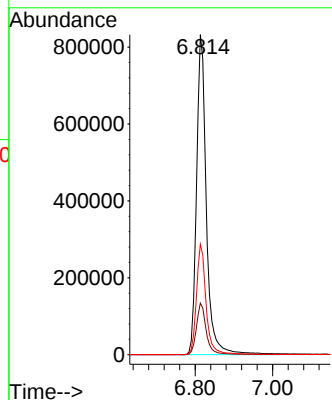
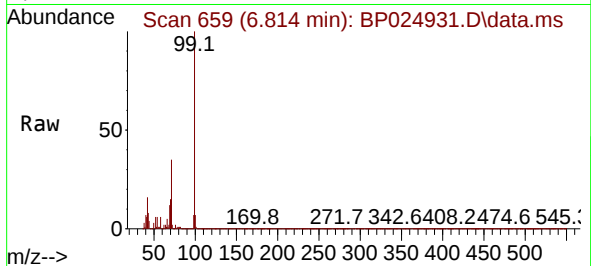




#7
Phenol-d6
Concen: 79.561 ng
RT: 6.814 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

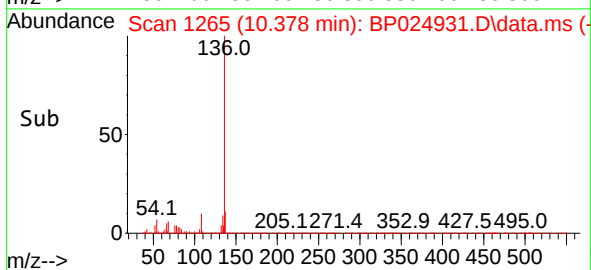
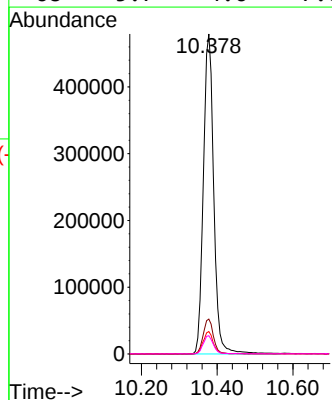
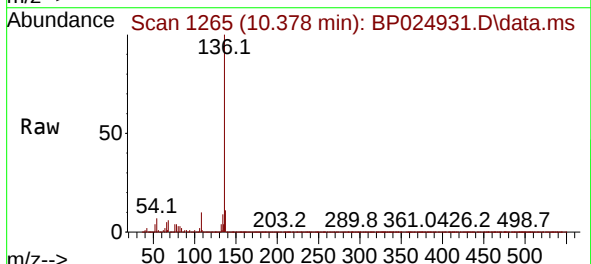
Instrument :
BNA_P
ClientSampleId :
TP-6

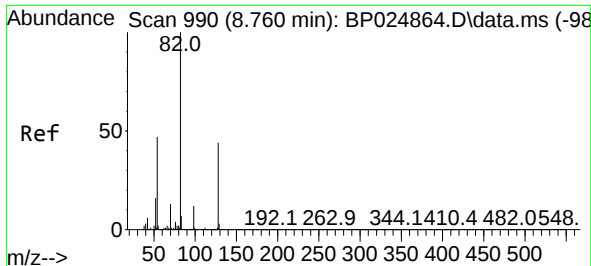
Tgt Ion: 99 Resp: 1461361
Ion Ratio Lower Upper
99 100
42 16.1 13.4 20.2
71 34.6 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

Tgt Ion: 136 Resp: 907649
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.1 9.1
68 5.7 4.6 7.0

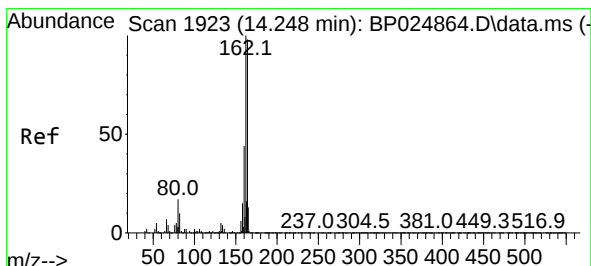
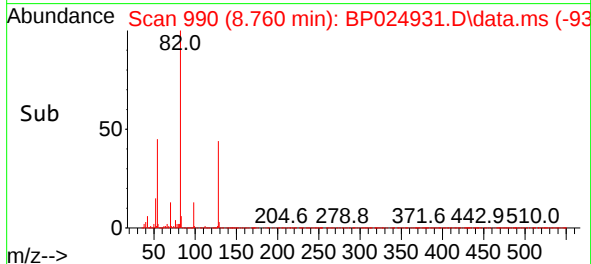
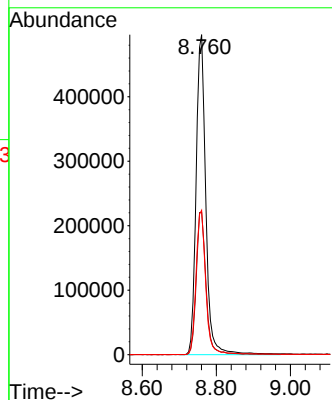
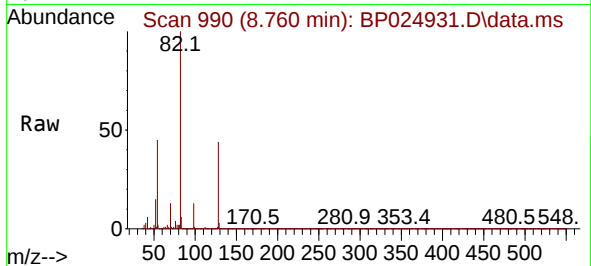




#23
Nitrobenzene-d5
Concen: 48.361 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

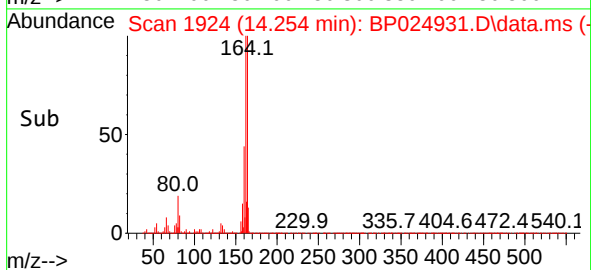
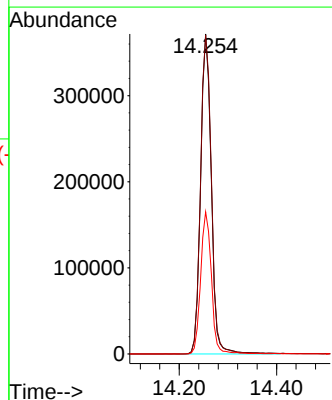
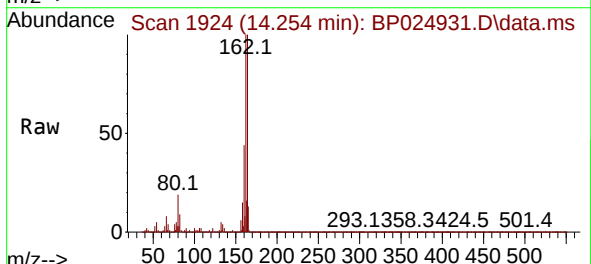
Instrument :
BNA_P
ClientSampleId :
TP-6

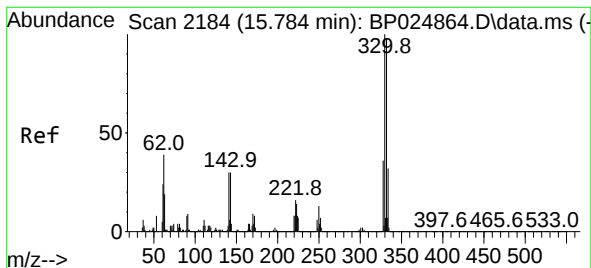
Tgt Ion: 82 Resp: 903309
Ion Ratio Lower Upper
82 100
128 44.5 35.3 52.9
54 45.1 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

Tgt Ion:164 Resp: 567160
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 44.4 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 88.154 ng

RT: 15.778 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024931.D

Acq: 12 Jun 2025 15:52

Instrument :

BNA_P

ClientSampleId :

TP-6

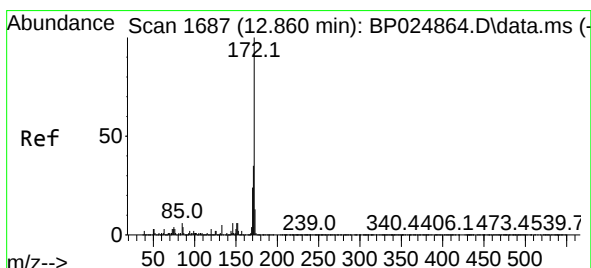
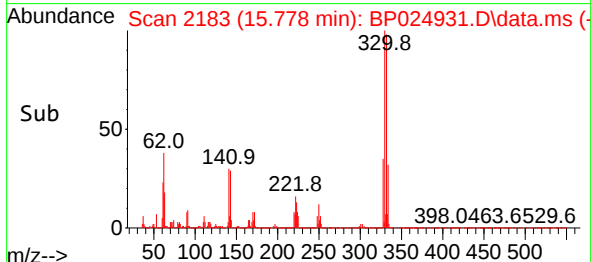
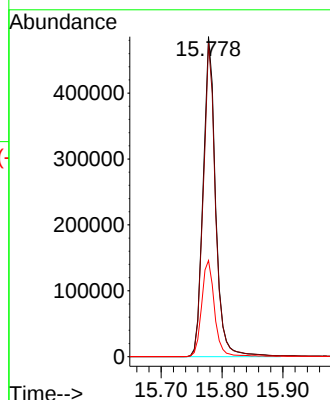
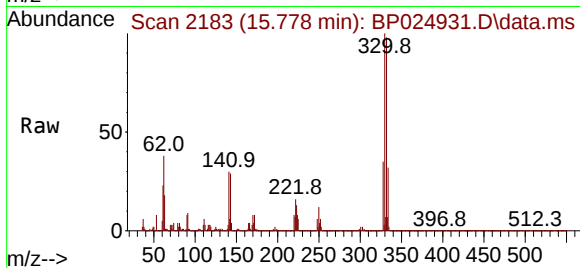
Tgt Ion:330 Resp: 691245

Ion Ratio Lower Upper

330 100

332 97.2 77.7 116.5

141 31.1 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 45.176 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024931.D

Acq: 12 Jun 2025 15:52

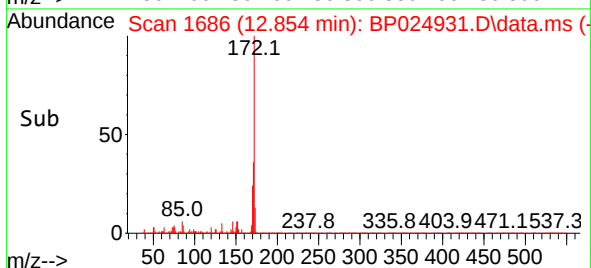
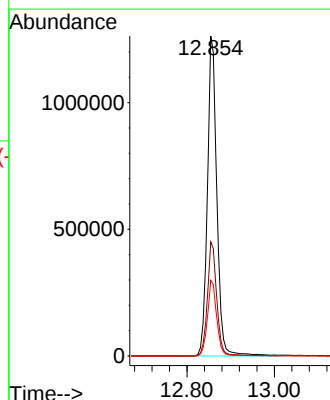
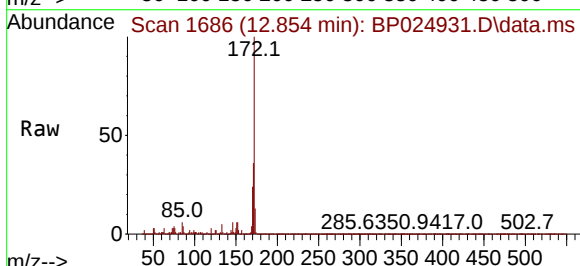
Tgt Ion:172 Resp: 1901971

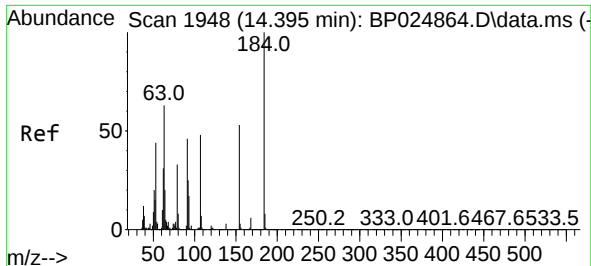
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.7 19.0 28.4

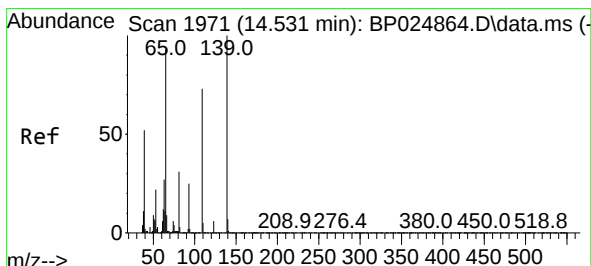
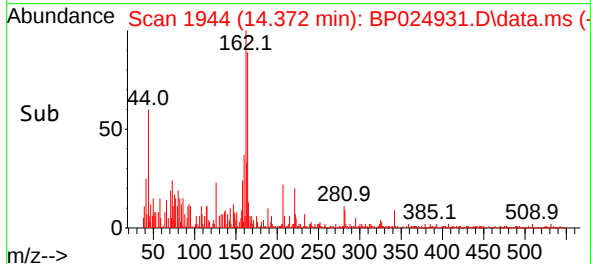
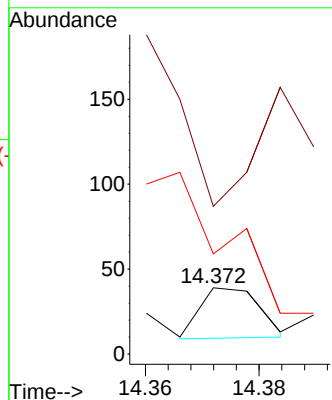
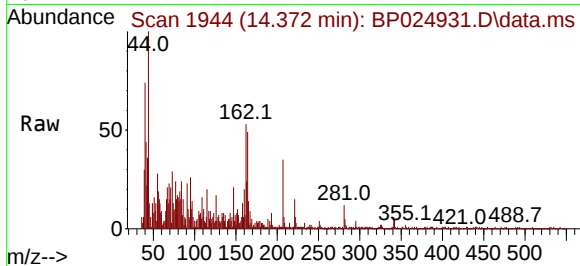




#54
2,4-Dinitrophenol
Concen: 5.567 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.023 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

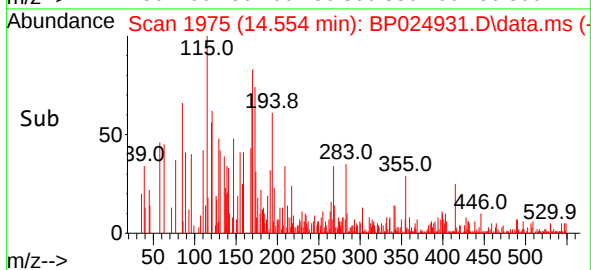
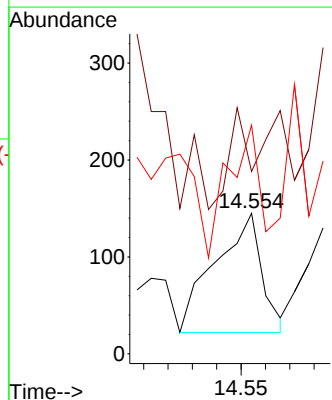
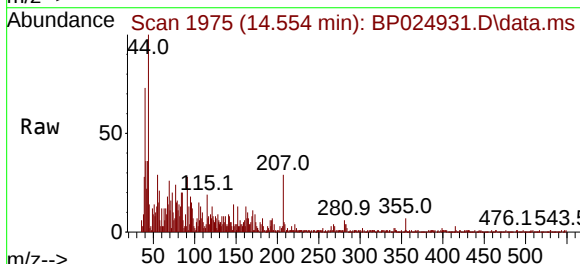
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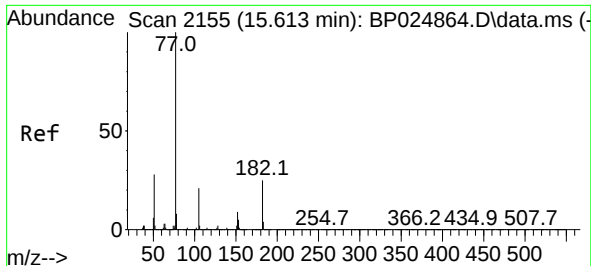
Tgt Ion:184 Resp: 21
Ion Ratio Lower Upper
184 100
63 223.1 51.0 76.4#
154 151.3 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.428 ng
RT: 14.554 min Scan# 1975
Delta R.T. 0.023 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

Tgt Ion:139 Resp: 164
Ion Ratio Lower Upper
139 100
109 129.7 53.1 93.1#
65 162.8 73.0 113.0#

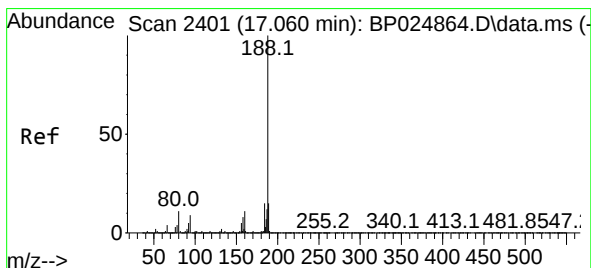
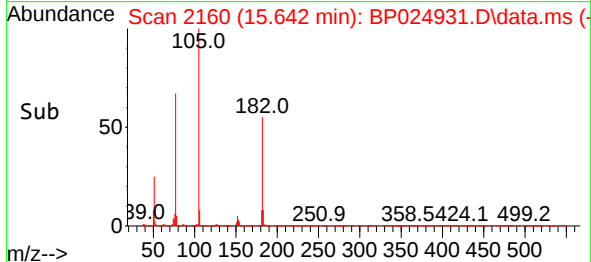
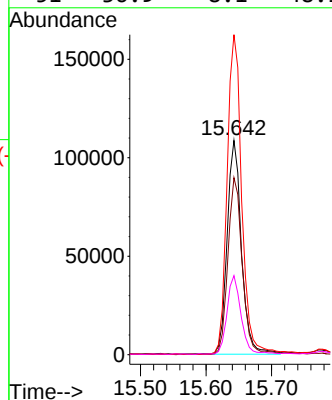
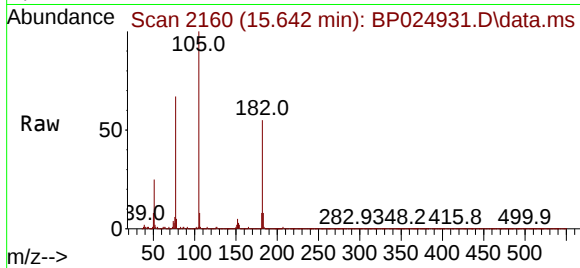




#63
Azobenzene
Concen: 4.303 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

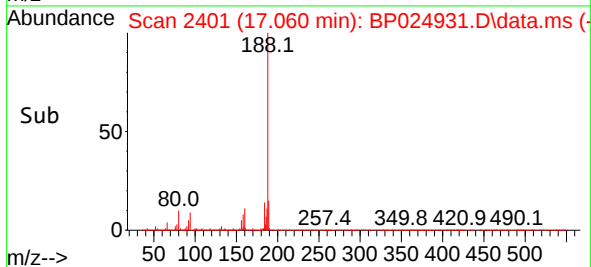
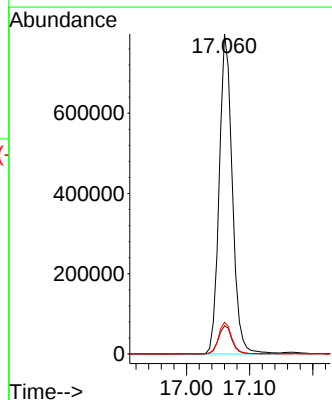
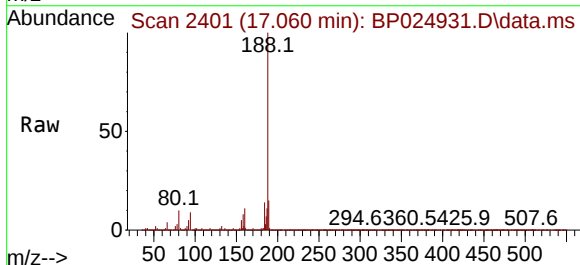
Instrument :
BNA_P
ClientSampleId :
TP-6

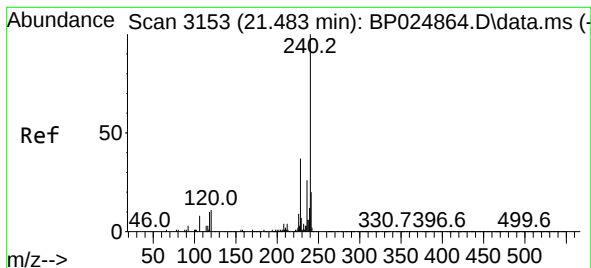
Tgt Ion: 77 Resp: 164566
Ion Ratio Lower Upper
77 100
182 82.6 5.4 45.4#
105 149.3 0.8 40.8#
51 36.9 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024931.D
Acq: 12 Jun 2025 15:52

Tgt Ion:188 Resp: 1146649
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.9 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: BP024931.D

Acq: 12 Jun 2025 15:52

Instrument :

BNA_P

ClientSampleId :

TP-6

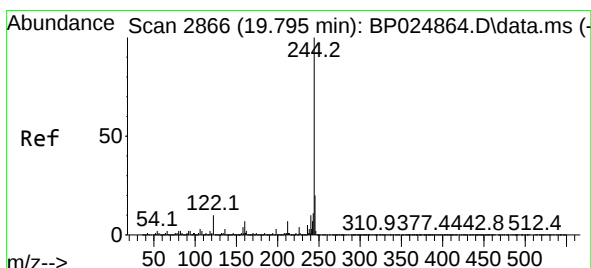
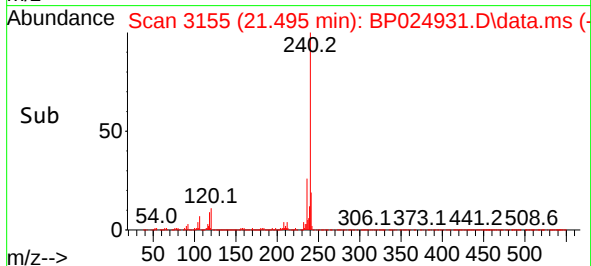
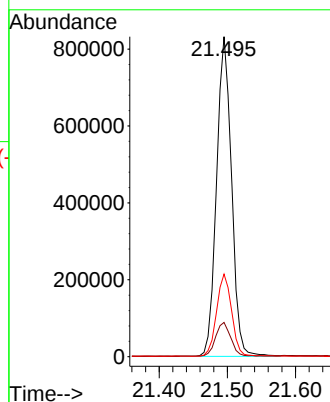
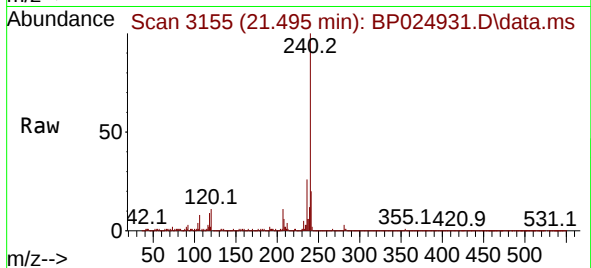
Tgt Ion:240 Resp: 1273496

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 44.043 ng

RT: 19.789 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BP024931.D

Acq: 12 Jun 2025 15:52

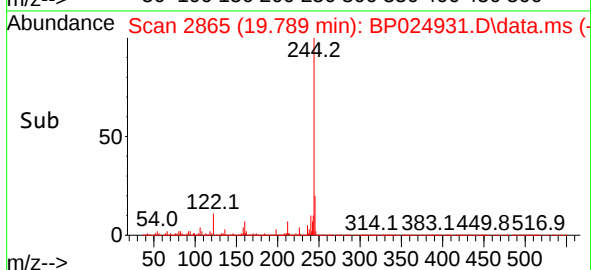
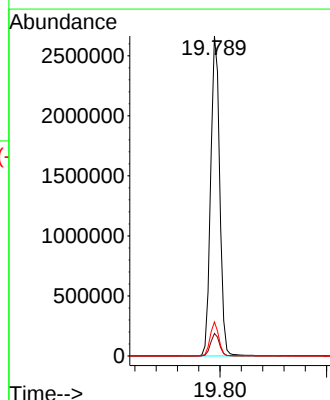
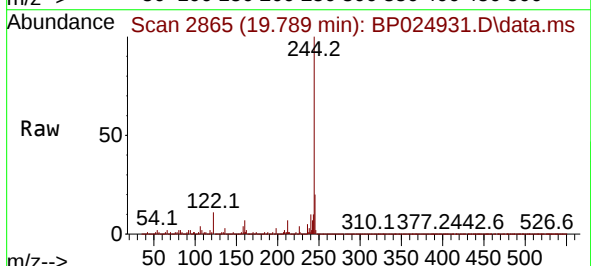
Tgt Ion:244 Resp: 3129517

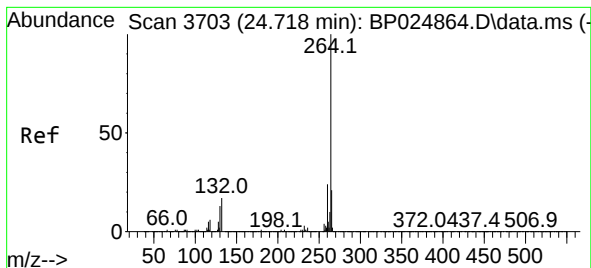
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.7 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: BP024931.D

Acq: 12 Jun 2025 15:52

Instrument :

BNA_P

ClientSampleId :

TP-6

Tgt Ion:264 Resp: 1540113

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.6 17.4 26.0

