

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024946.D
 Acq On : 13 Jun 2025 16:13
 Operator : RC/JU
 Sample : Q2310-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-7

Quant Time: Jun 13 16:39:34 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)

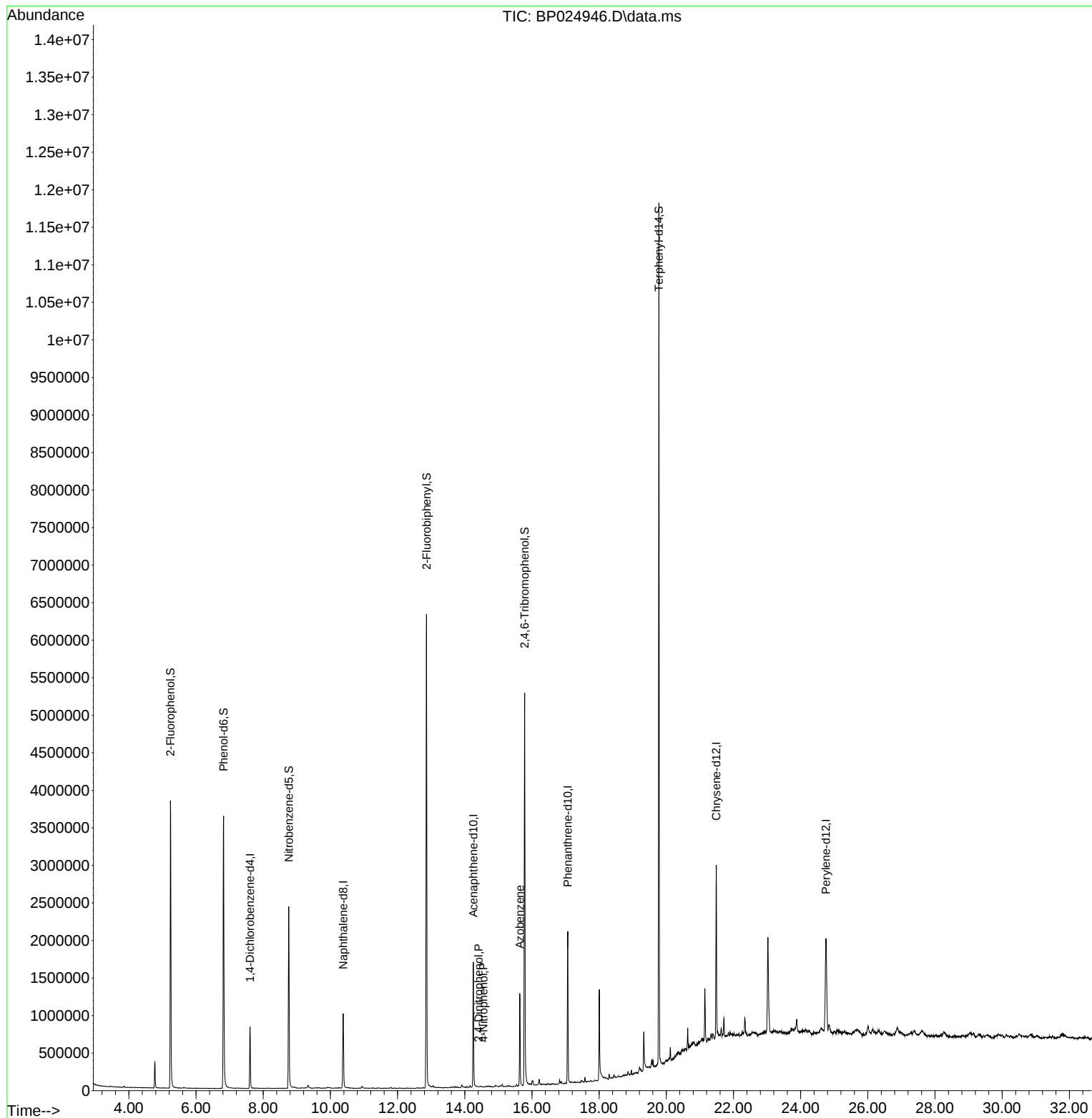
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	229842	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	939607	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	593347	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1196007	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1252188	20.000	ng	0.00
86) Perylene-d12	24.754	264	1509272	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1815238	131.830	ng	0.00
7) Phenol-d6	6.819	99	2374236	130.320	ng	0.00
23) Nitrobenzene-d5	8.761	82	1448479	74.910	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1262315	153.878	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	3400956	77.214	ng	0.00
79) Terphenyl-d14	19.778	244	5228372	74.833	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.413	184	146	5.586	ng	# 49
56) 4-Nitrophenol	14.554	139	133	5.424	ng	# 28
63) Azobenzene	15.637	77	359487	8.986	ng	# 1

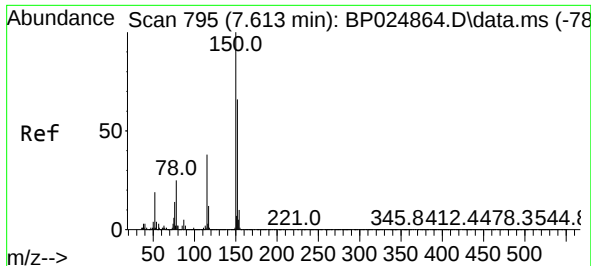
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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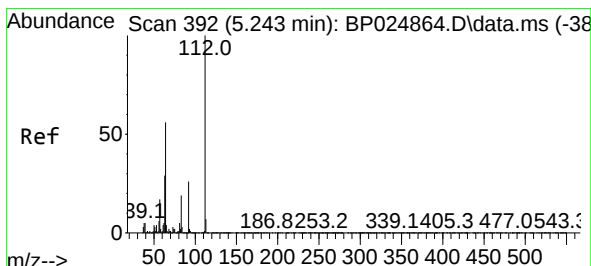
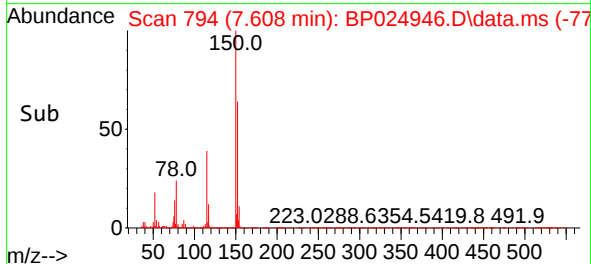
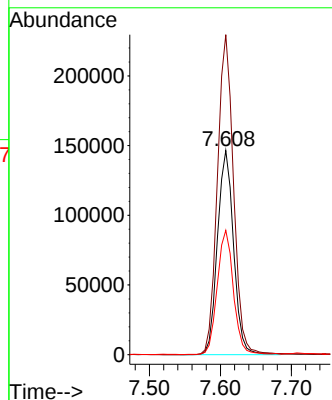
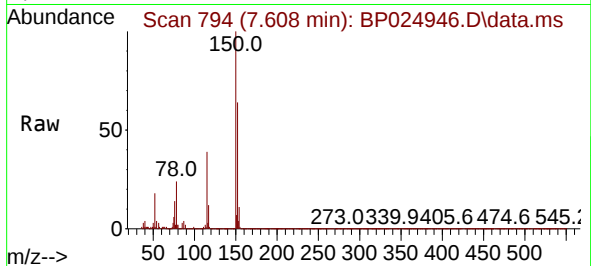




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

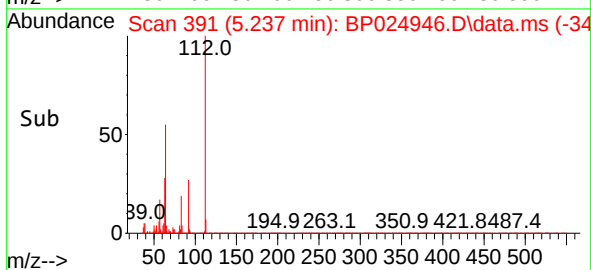
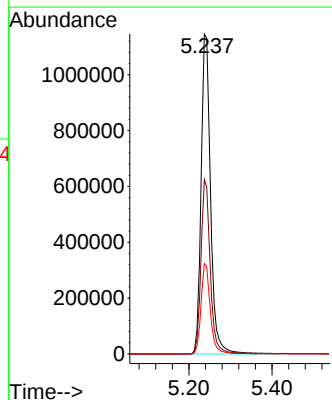
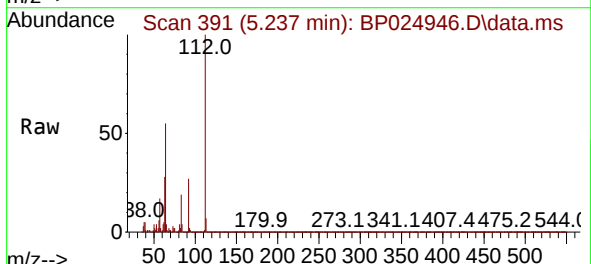
Instrument :
BNA_P
ClientSampleId :
TP-7

Tgt Ion:152 Resp: 229842
Ion Ratio Lower Upper
152 100
150 156.7 122.1 183.1
115 60.9 46.4 69.6



#5
2-Fluorophenol
Concen: 131.830 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

Tgt Ion:112 Resp: 1815238
Ion Ratio Lower Upper
112 100
64 54.6 44.7 67.1
63 28.2 23.5 35.3

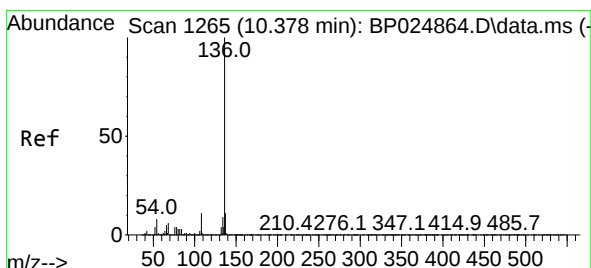
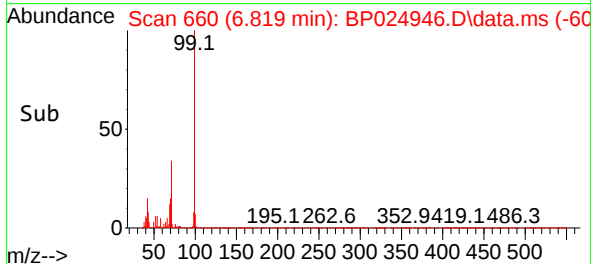
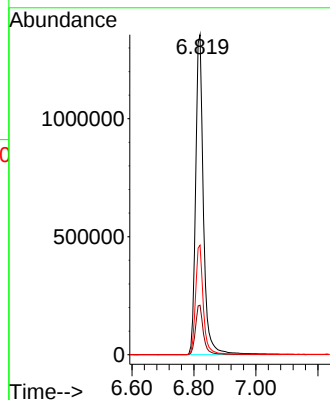
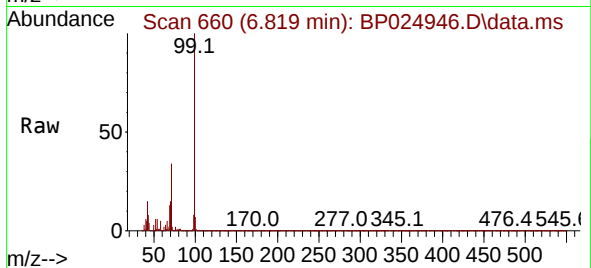




#7
Phenol-d6
Concen: 130.320 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

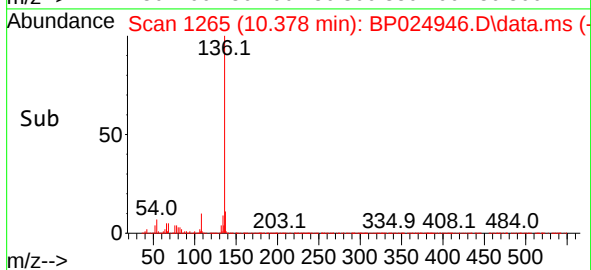
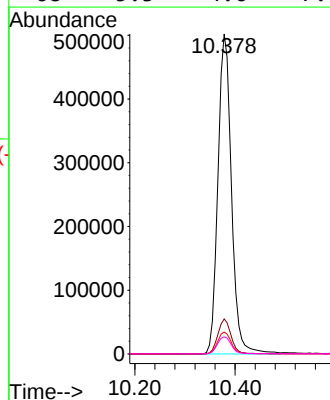
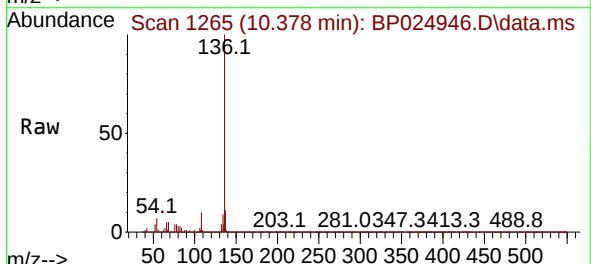
Instrument :
BNA_P
ClientSampleId :
TP-7

Tgt Ion: 99 Resp: 2374236
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.2
71 34.2 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: BP024946.D
Acq: 13 Jun 2025 16:13

Tgt Ion:136 Resp: 939607
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.8 6.1 9.1
68 5.3 4.6 7.0

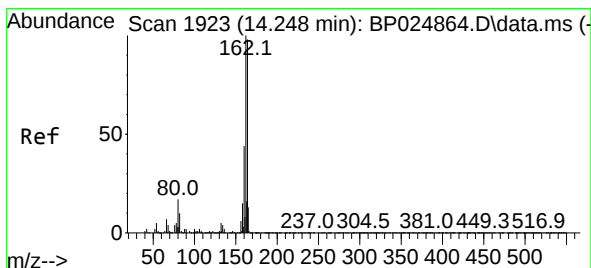
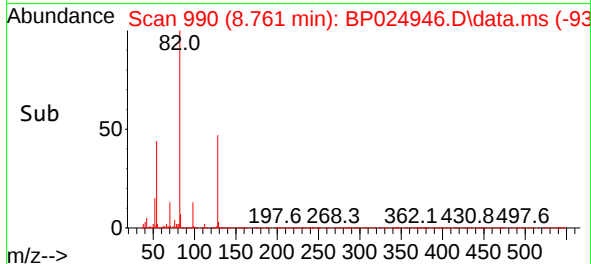
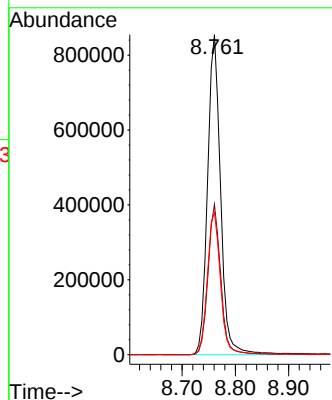
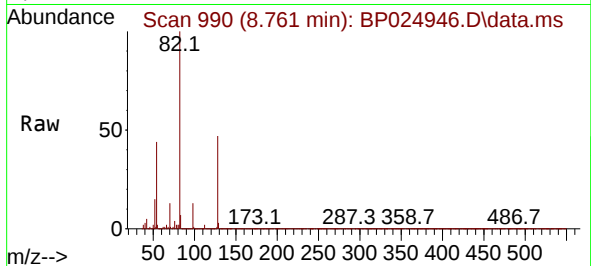




#23
 Nitrobenzene-d5
 Concen: 74.910 ng
 RT: 8.761 min Scan# 990
 Delta R.T. 0.000 min
 Lab File: BP024946.D
 Acq: 13 Jun 2025 16:13

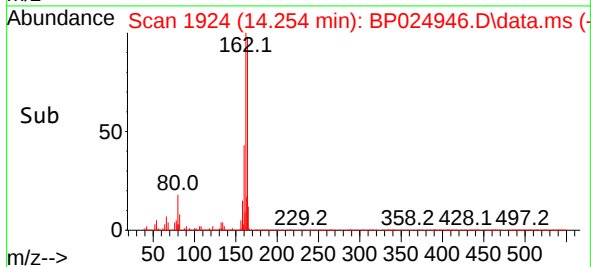
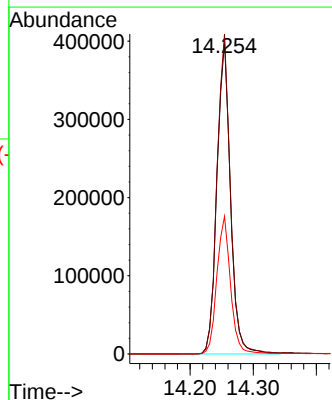
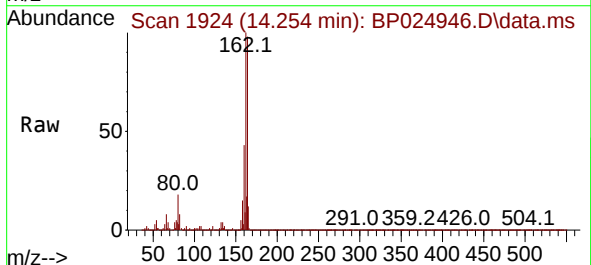
Instrument :
 BNA_P
 ClientSampleId :
 TP-7

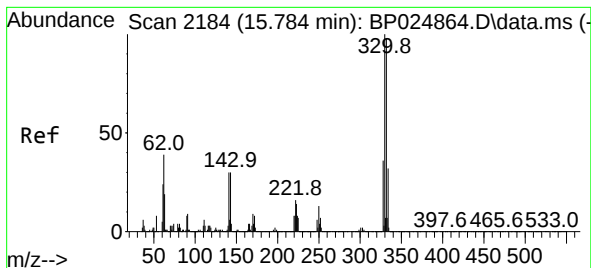
Tgt Ion: 82 Resp: 1448479
 Ion Ratio Lower Upper
 82 100
 128 47.0 35.3 52.9
 54 44.5 37.4 56.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.254 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BP024946.D
 Acq: 13 Jun 2025 16:13

Tgt Ion:164 Resp: 593347
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.6 122.4
 160 44.0 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 153.878 ng

RT: 15.784 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BP024946.D

Acq: 13 Jun 2025 16:13

Instrument :

BNA_P

ClientSampleId :

TP-7

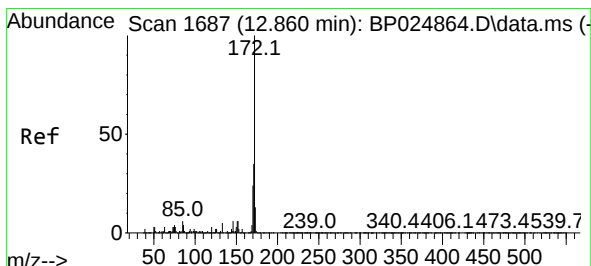
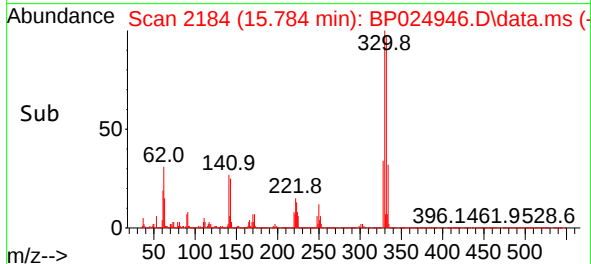
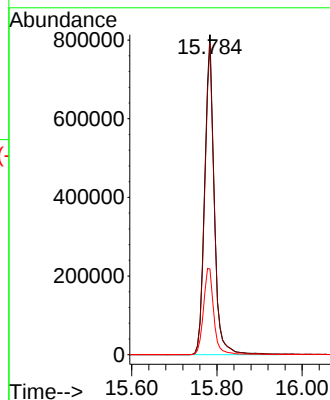
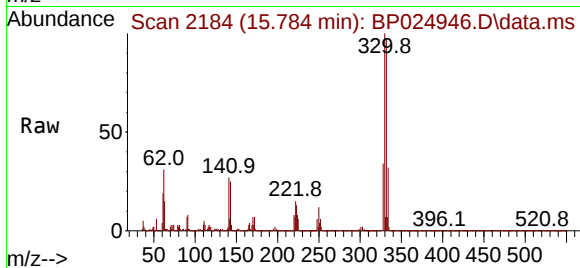
Tgt Ion:330 Resp: 1262315

Ion Ratio Lower Upper

330 100

332 96.3 77.7 116.5

141 29.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 77.214 ng

RT: 12.860 min Scan# 1687

Delta R.T. 0.000 min

Lab File: BP024946.D

Acq: 13 Jun 2025 16:13

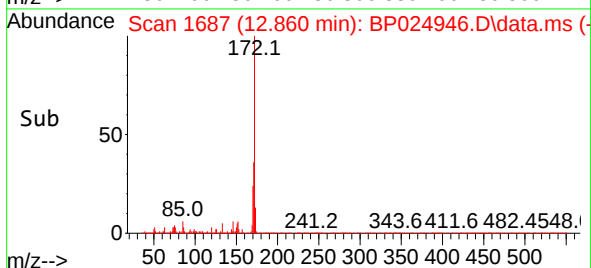
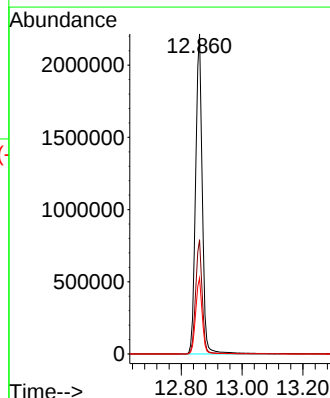
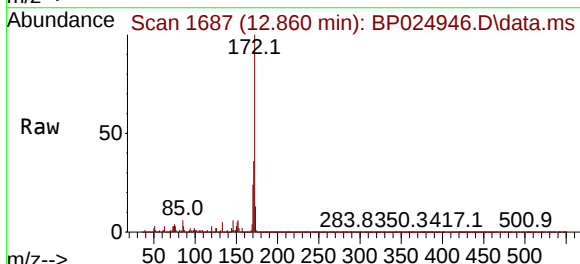
Tgt Ion:172 Resp: 3400956

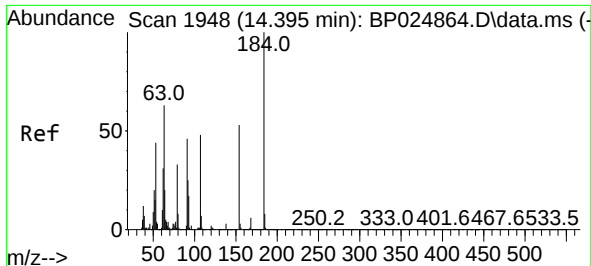
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.7 19.0 28.4

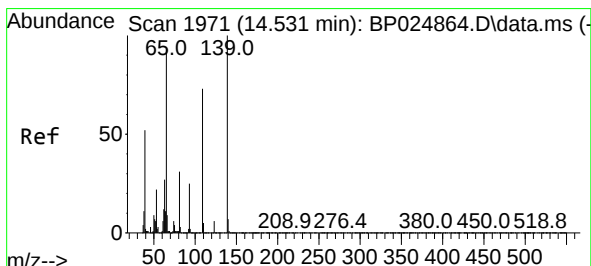
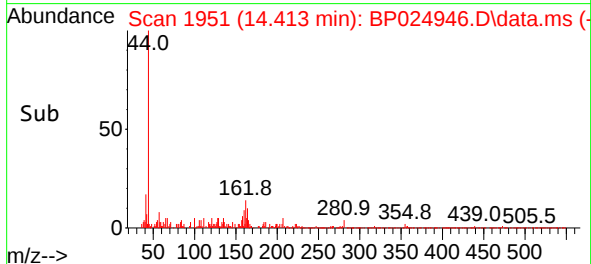
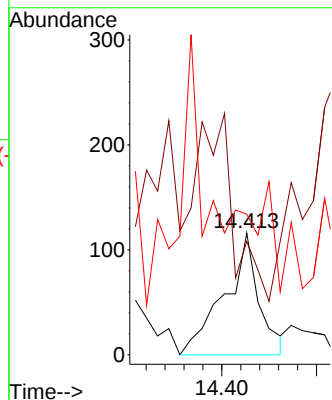
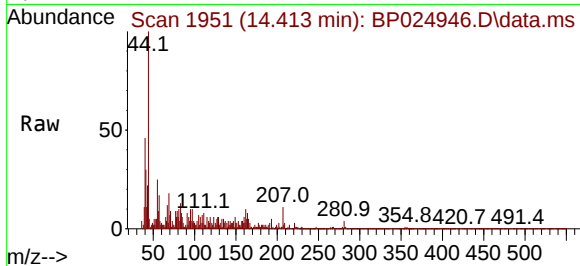




#54
2,4-Dinitrophenol
Concen: 5.586 ng
RT: 14.413 min Scan# 1948
Delta R.T. 0.018 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

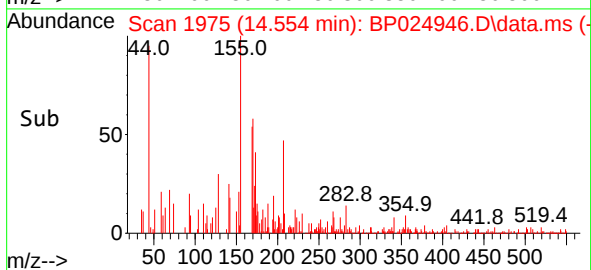
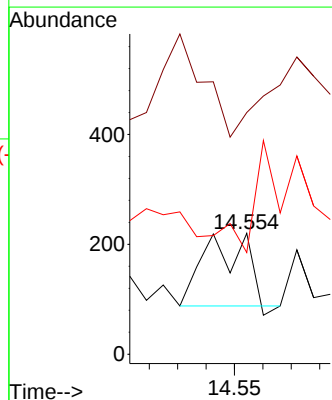
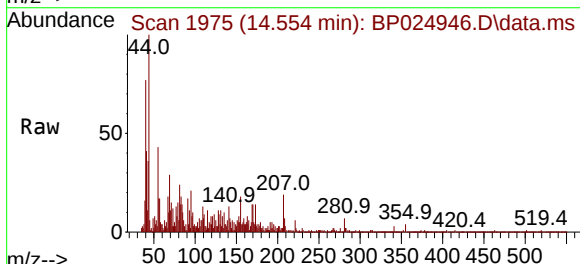
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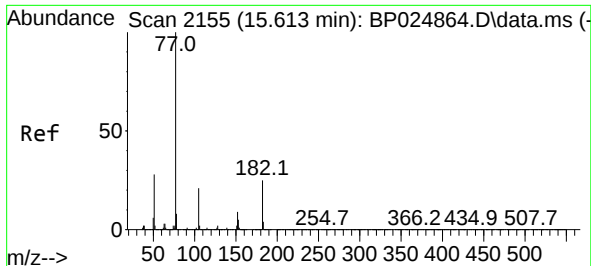
Tgt Ion:184 Resp: 146
Ion Ratio Lower Upper
184 100
63 93.1 51.0 76.4#
154 115.5 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.424 ng
RT: 14.554 min Scan# 1975
Delta R.T. 0.023 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

Tgt Ion:139 Resp: 133
Ion Ratio Lower Upper
139 100
109 200.0 53.1 93.1#
65 84.1 73.0 113.0

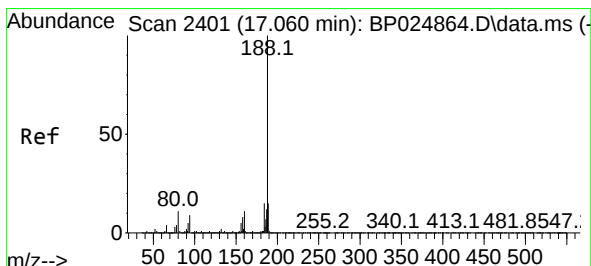
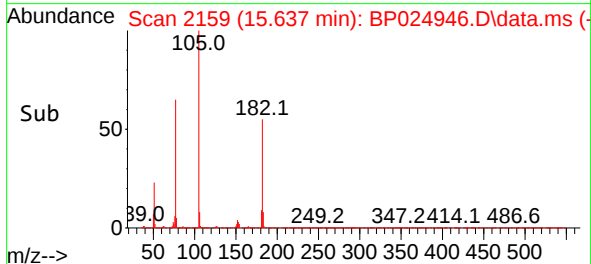
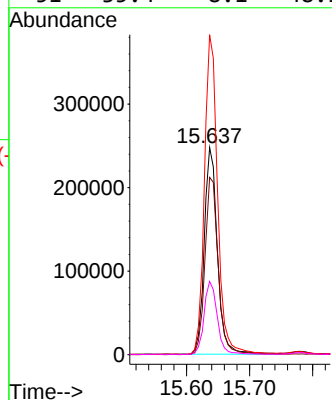
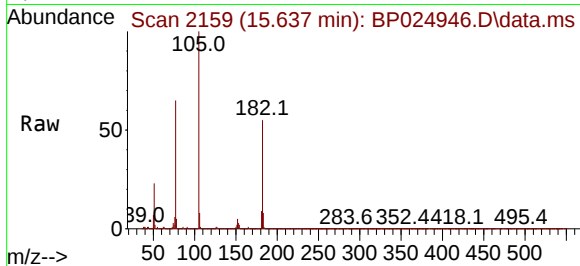




#63
Azobenzene
Concen: 8.986 ng
RT: 15.637 min Scan# 2155
Delta R.T. 0.024 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

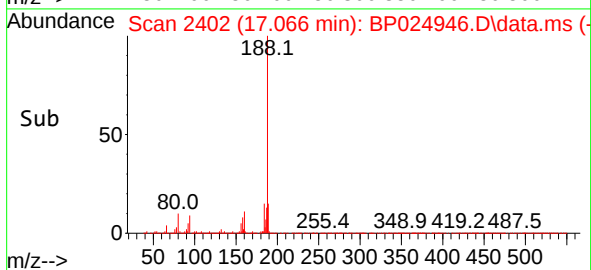
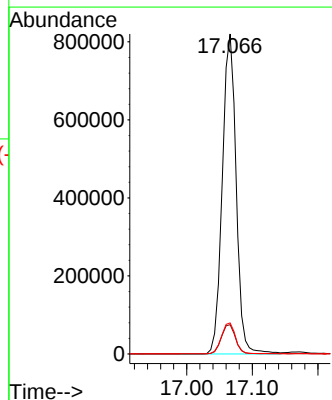
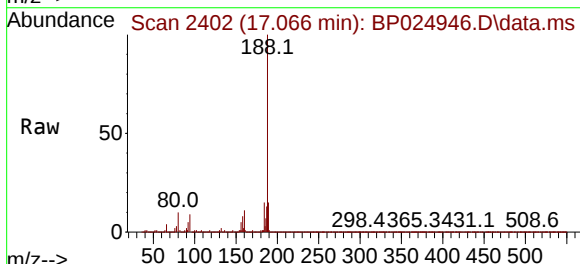
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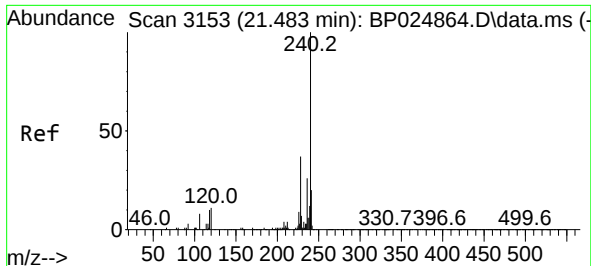
Tgt Ion: 77	Resp: 359487
Ion Ratio	Lower Upper
77 100	
182 85.5	5.4 45.4#
105 154.4	0.8 40.8#
51 35.4	8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

Tgt Ion:188	Resp: 1196007		
Ion Ratio	Lower	Upper	
188 100			
94 9.2	7.3	10.9	
80 9.7	8.5	12.7	

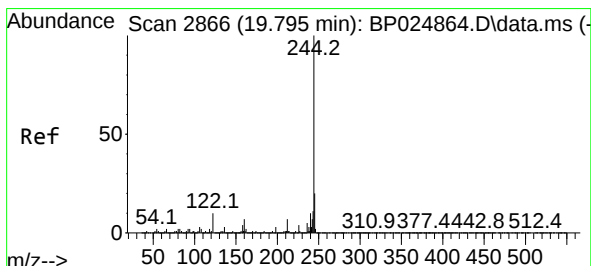
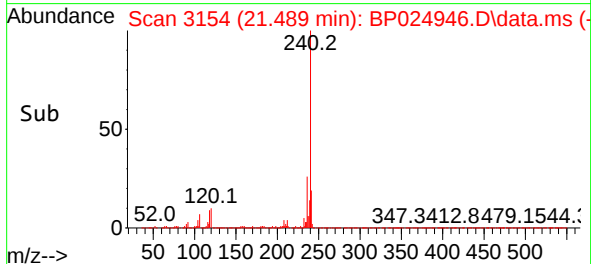
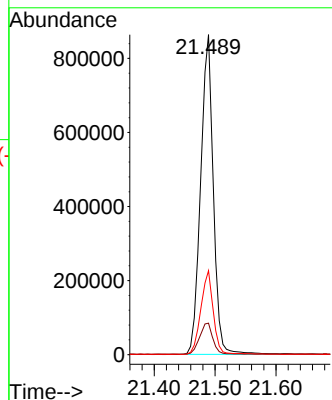
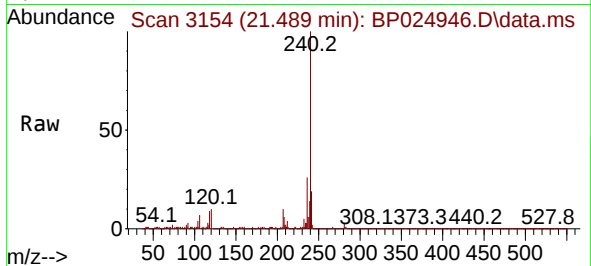




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

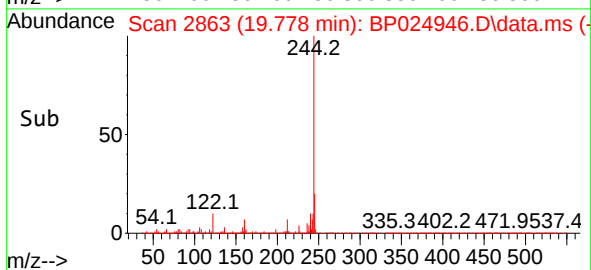
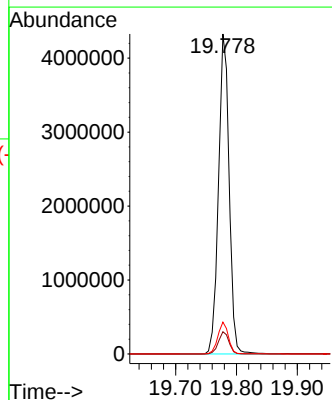
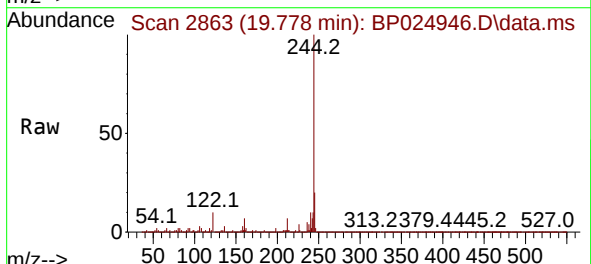
Instrument :
BNA_P
ClientSampleId :
TP-7

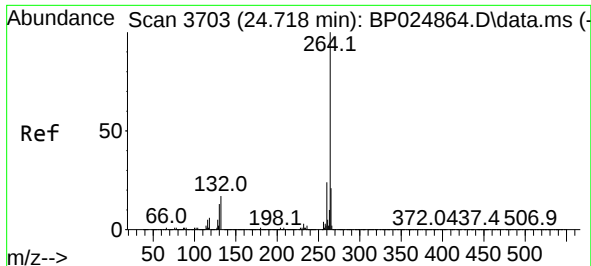
Tgt Ion:240 Resp: 1252188
Ion Ratio Lower Upper
240 100
120 9.8 8.9 13.3
236 26.3 20.9 31.3



#79
Terphenyl-d14
Concen: 74.833 ng
RT: 19.778 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

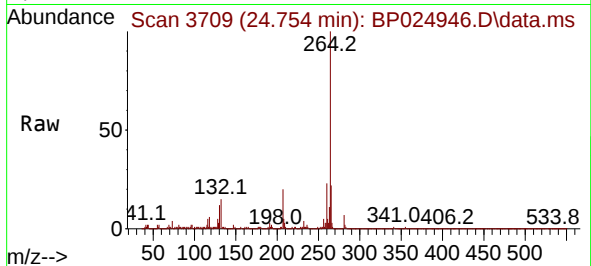
Tgt Ion:244 Resp: 5228372
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.0 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.754 min Scan# 31
Delta R.T. 0.035 min
Lab File: BP024946.D
Acq: 13 Jun 2025 16:13

Instrument :
BNA_P
ClientSampleId :
TP-7



Tgt Ion:264 Resp: 1509272

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.8	17.4	26.0

