

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
 Data File : BP024502.D
 Acq On : 01 May 2025 21:38
 Operator : RC/JU
 Sample : Q1912-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-F

Quant Time: May 02 01:53:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

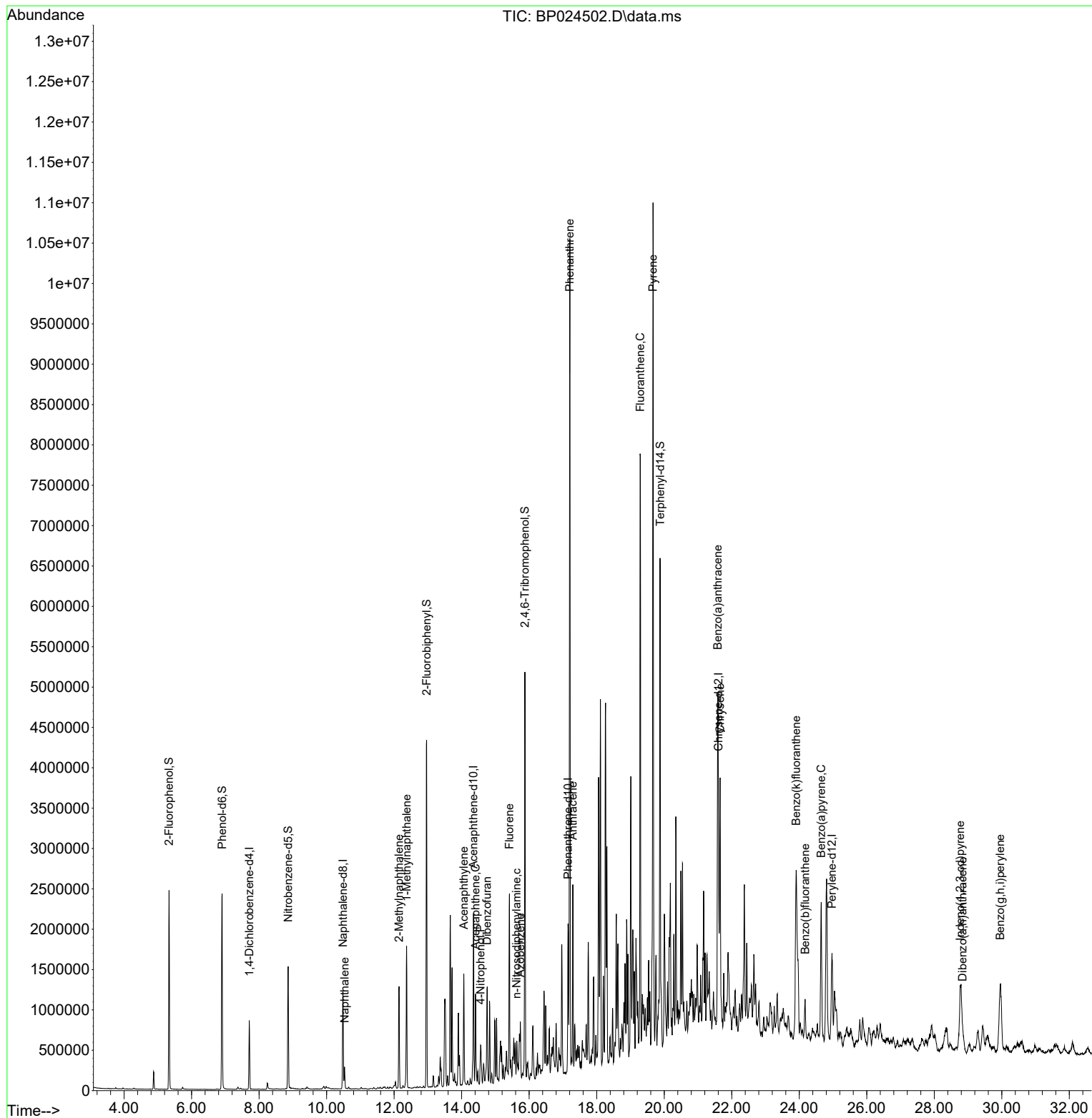
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	231976	20.000	ng	-0.01
21) Naphthalene-d8	10.487	136	1015203	20.000	ng	#-0.01
39) Acenaphthene-d10	14.351	164	659170	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1250048	20.000	ng	# 0.00
76) Chrysene-d12	21.604	240	953938	20.000	ng	0.01
86) Perylene-d12	24.969	264	1133619	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1038768	74.040	ng	-0.01
7) Phenol-d6	6.905	99	1484180	77.258	ng	0.00
23) Nitrobenzene-d5	8.863	82	900063	50.554	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	927886	101.742	ng	0.01
45) 2-Fluorobiphenyl	12.963	172	2194930	50.984	ng	0.00
79) Terphenyl-d14	19.881	244	3032208	64.070	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.534	128	207461	3.879	ng	98
37) 2-Methylnaphthalene	12.146	142	613546	16.543	ng	97
38) 1-Methylnaphthalene	12.369	142	774751	21.354	ng	99
49) Acenaphthylene	14.063	152	614150	10.772	ng	# 95
52) Acenaphthene	14.410	154	354543	9.809	ng	97
55) Dibenzofuran	14.751	168	275691	4.666	ng	# 82
56) 4-Nitrophenol	14.557	139	21824	2.362	ng	# 29
58) Fluorene	15.416	166	909249	19.880	ng	100
63) Azobenzene	15.740	77	142352	3.135	ng	# 1
66) n-Nitrosodiphenylamine	15.628	169	82029	2.199	ng	87
71) Phenanthrene	17.204	178	6249118	91.638	ng	99
72) Anthracene	17.292	178	1263972	19.231	ng	100
75) Fluoranthene	19.292	202	4384740	54.063	ng	96
78) Pyrene	19.669	202	6763729	111.569	ng	99
81) Benzo(a)anthracene	21.586	228	2514288	42.404	ng	95
83) Chrysene	21.657	228	2374625	41.803	ng	98
87) Indeno(1,2,3-cd)pyrene	28.768	276	1528669	19.424	ng	100
88) Benzo(b)fluoranthene	24.174	252	467543	6.881	ng	95
89) Benzo(k)fluoranthene	23.910	252	3441073	52.427	ng	98
90) Benzo(a)pyrene	24.651	252	1630871	27.824	ng	100
91) Dibenzo(a,h)anthracene	28.839	278	478444	7.324	ng	# 91
92) Benzo(g,h,i)perylene	29.951	276	1662234	25.000	ng	# 94

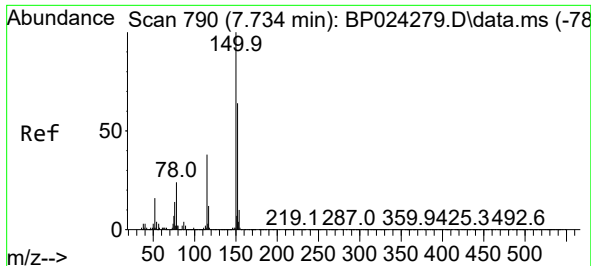
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
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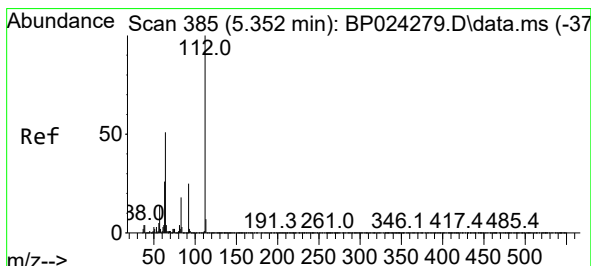
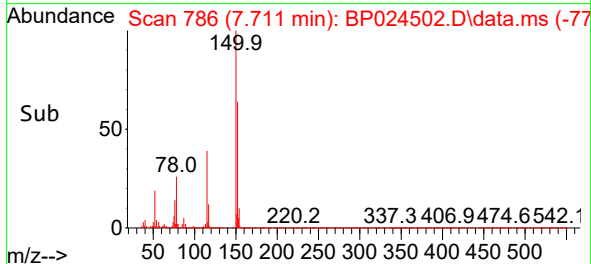
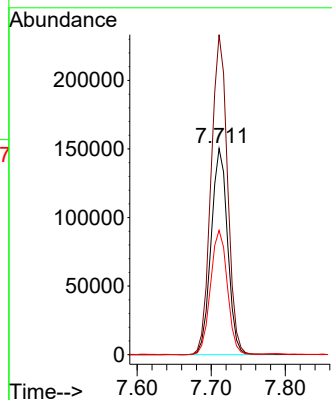
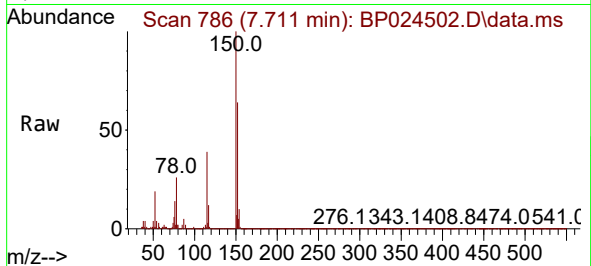




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

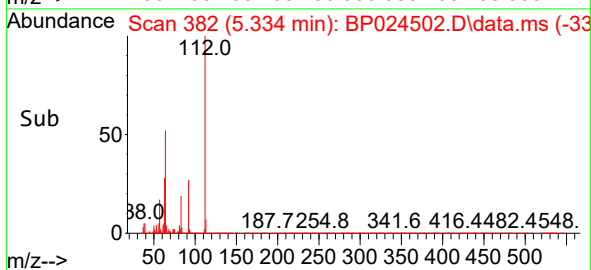
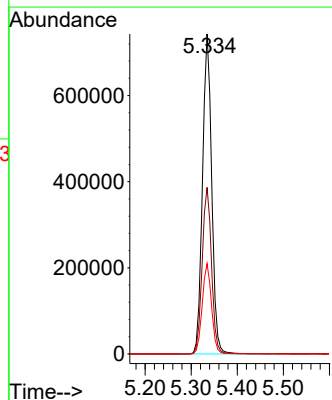
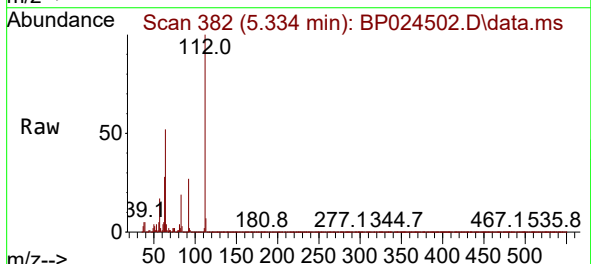
Instrument :
BNA_P
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MH-F

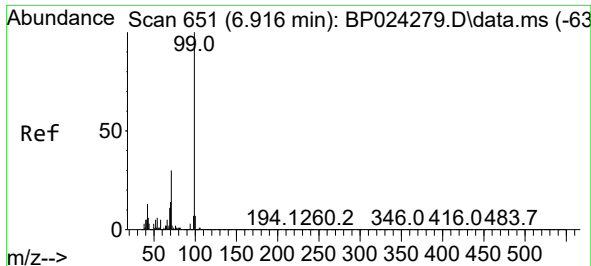
Tgt Ion:152 Resp: 231976
Ion Ratio Lower Upper
152 100
150 155.1 124.9 187.3
115 60.3 47.7 71.5



#5
2-Fluorophenol
Concen: 74.040 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:112 Resp: 1038768
Ion Ratio Lower Upper
112 100
64 52.1 41.1 61.7
63 28.2 20.6 30.8

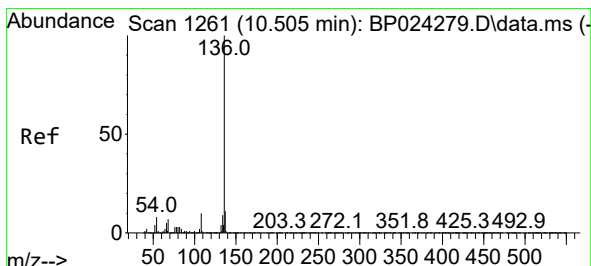
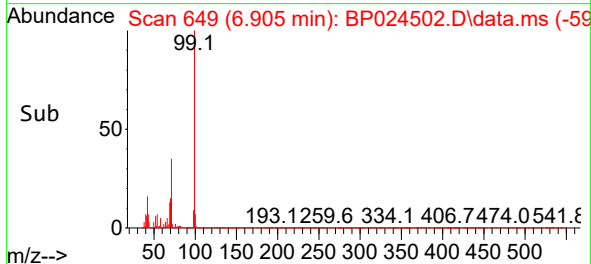
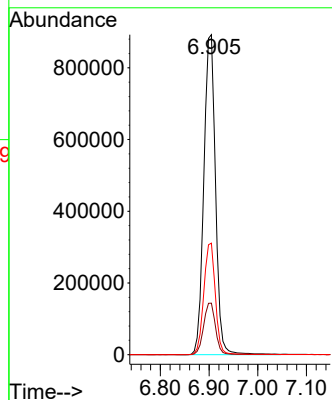
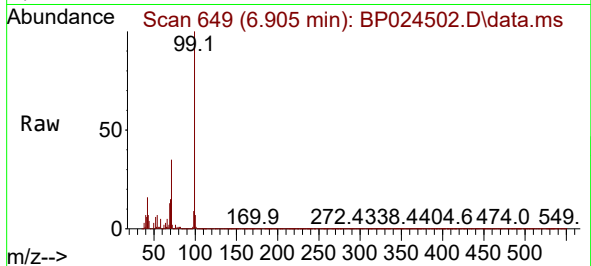




#7
Phenol-d6
Concen: 77.258 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

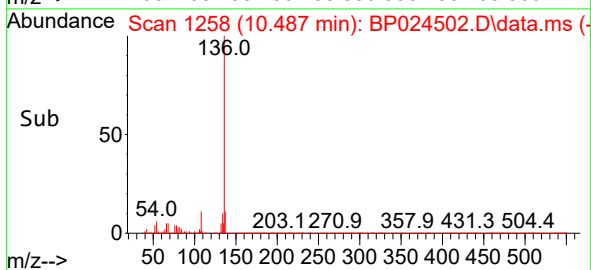
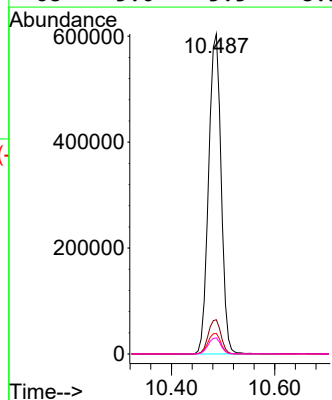
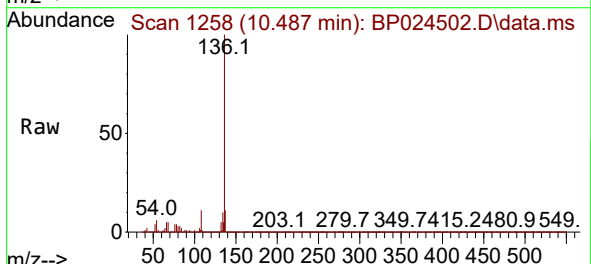
Instrument :
BNA_P
ClientSampleId :
MH-F

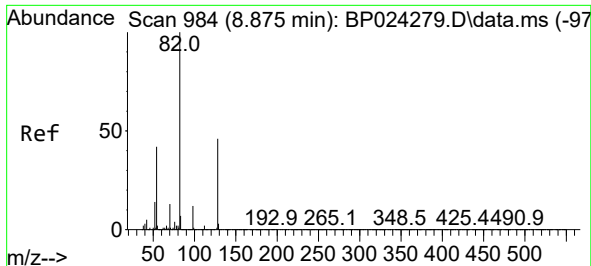
Tgt Ion: 99 Resp: 1484180
Ion Ratio Lower Upper
99 100
42 16.1 10.6 16.0#
71 34.9 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:136 Resp: 1015203
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 6.4 6.0 9.0
68 5.0 5.5 8.3#

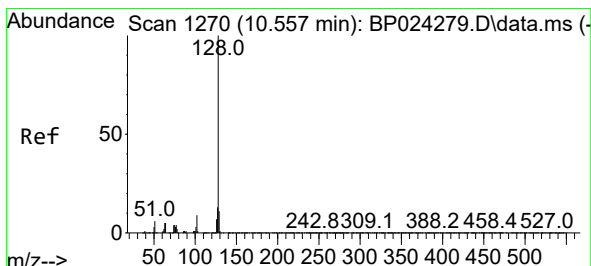
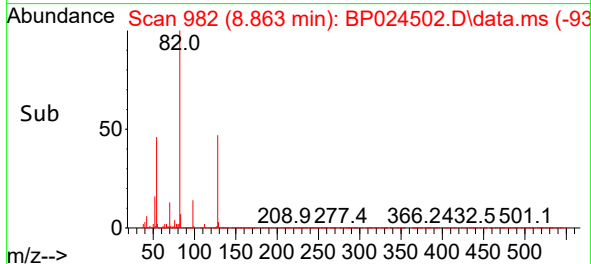
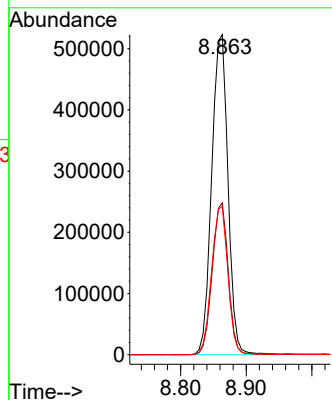
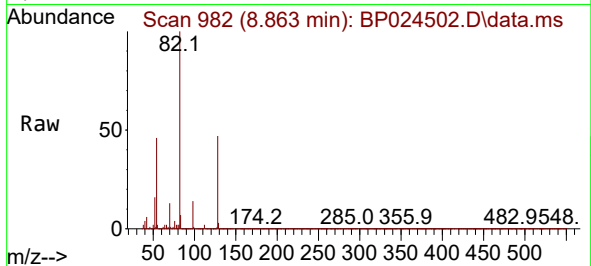




#23
Nitrobenzene-d5
Concen: 50.554 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

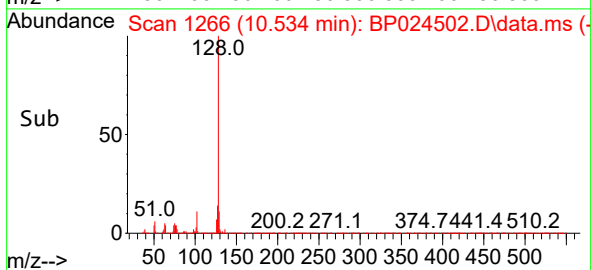
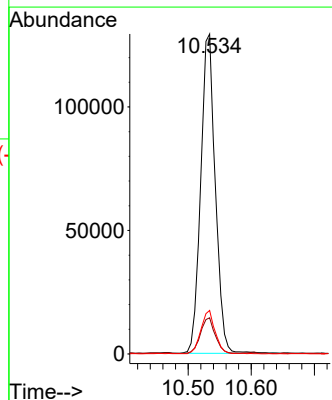
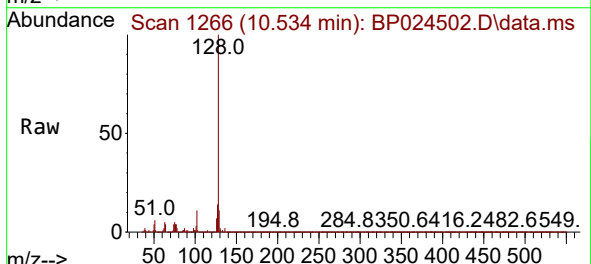
Instrument :
BNA_P
ClientSampleId :
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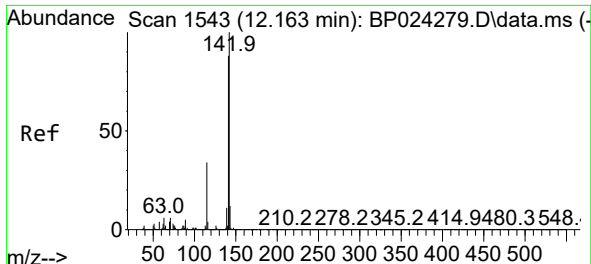
Tgt Ion: 82 Resp: 900063
Ion Ratio Lower Upper
82 100
128 47.4 36.5 54.7
54 46.4 33.4 50.2



#31
Naphthalene
Concen: 3.879 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:128 Resp: 207461
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.6 10.3 15.5

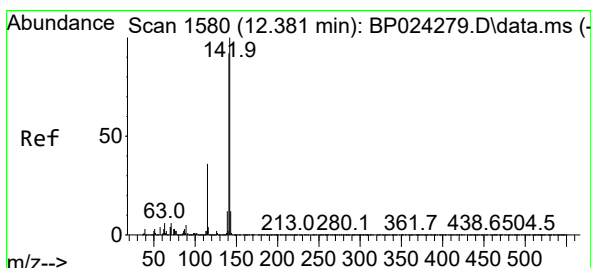
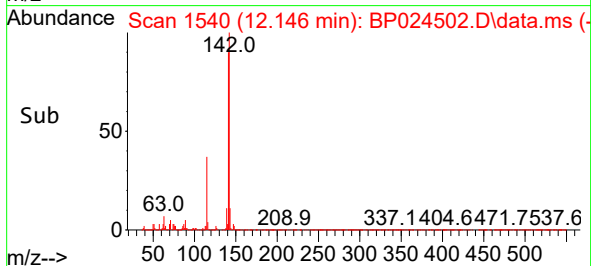
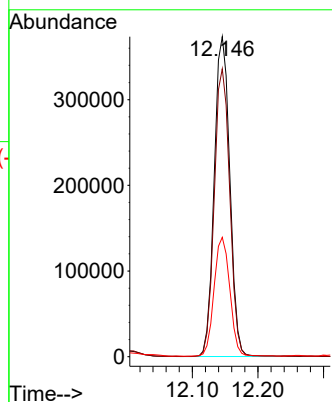
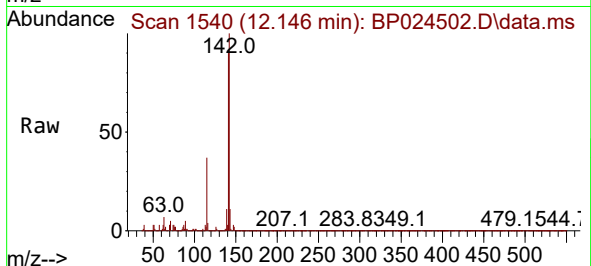




#37
2-Methylnaphthalene
Concen: 16.543 ng
RT: 12.146 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

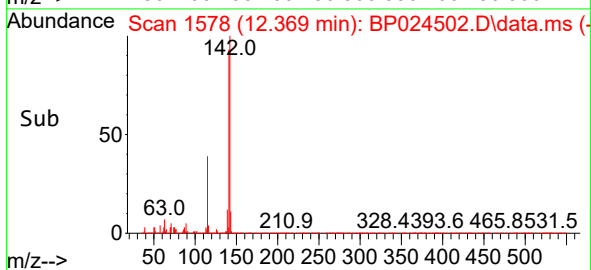
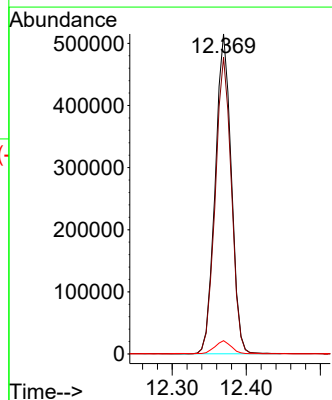
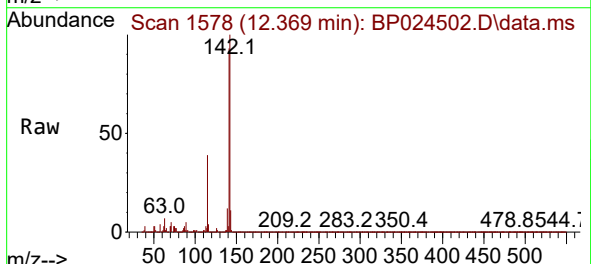
Instrument :
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ClientSampleId :
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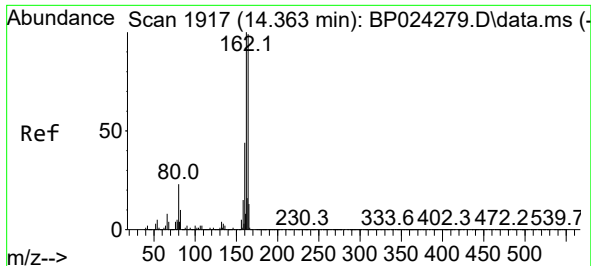
Tgt Ion:142 Resp: 613546
Ion Ratio Lower Upper
142 100
141 89.9 70.3 105.5
115 37.3 26.9 40.3



#38
1-Methylnaphthalene
Concen: 21.354 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:142 Resp: 774751
Ion Ratio Lower Upper
142 100
141 92.7 73.6 110.4
116 4.2 3.0 4.6

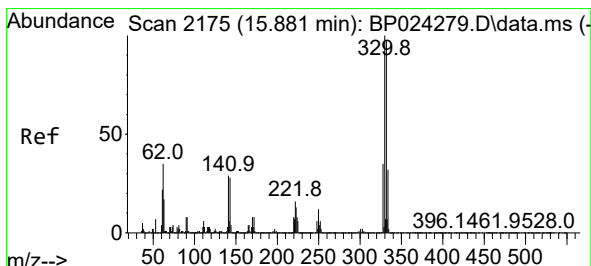
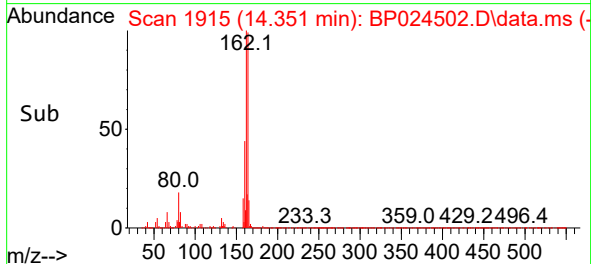
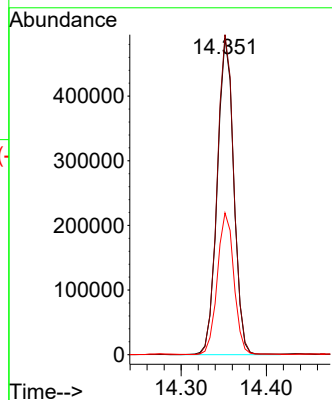
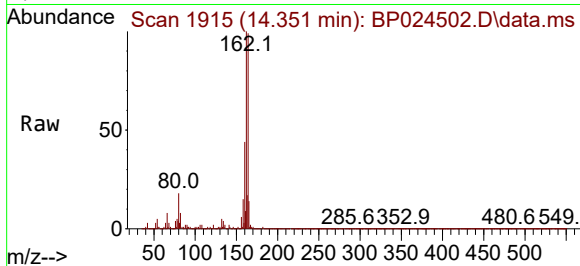




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

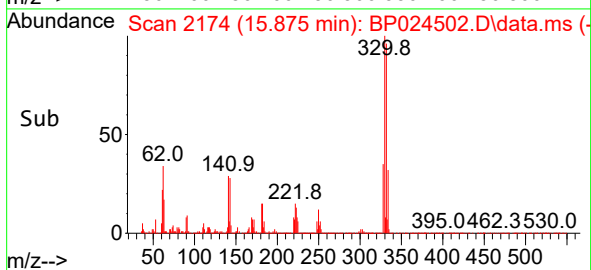
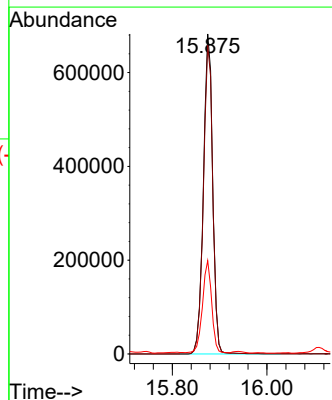
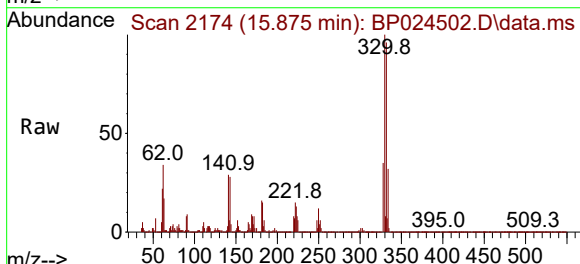
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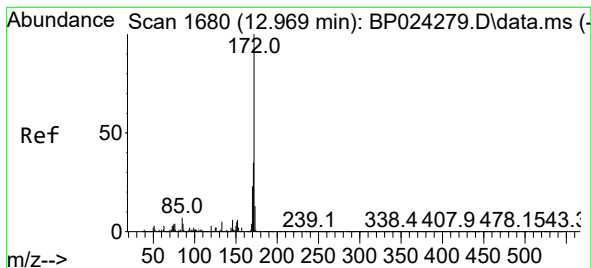
Tgt Ion:164 Resp: 659170
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 101.742 ng
RT: 15.875 min Scan# 2174
Delta R.T. 0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:330 Resp: 927886
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 28.3 24.7 37.1

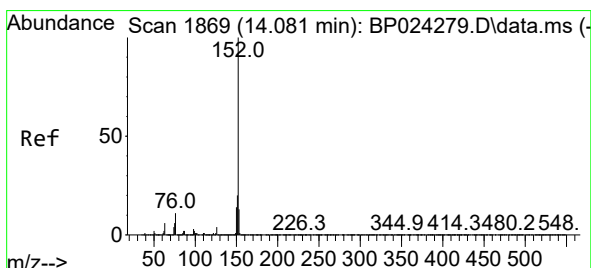
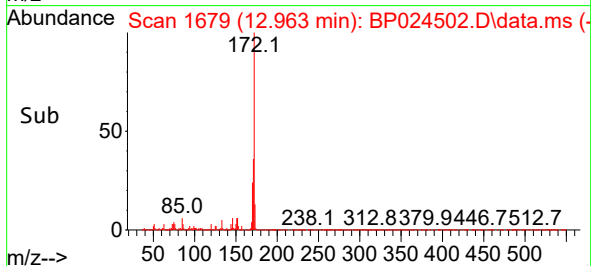
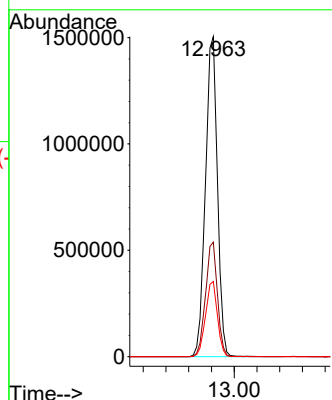
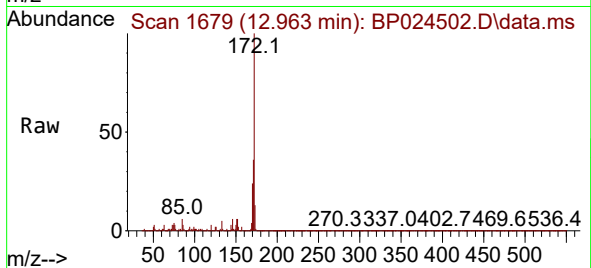




#45
2-Fluorobiphenyl
Concen: 50.984 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

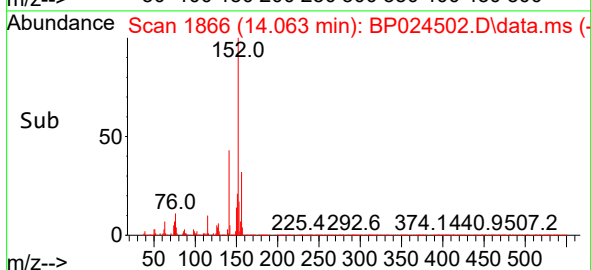
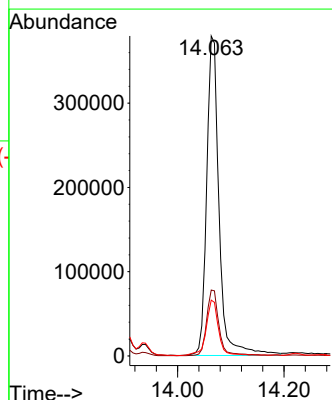
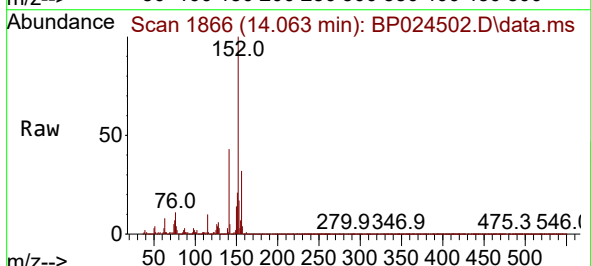
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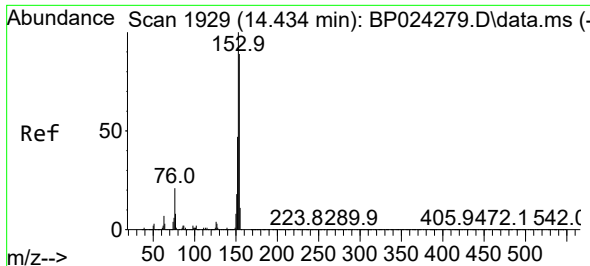
Tgt Ion:172 Resp: 2194930
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.5 18.6 27.8



#49
Acenaphthylene
Concen: 10.772 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:152 Resp: 614150
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 17.5 10.6 15.8#

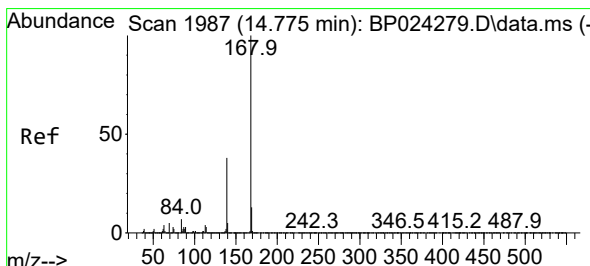
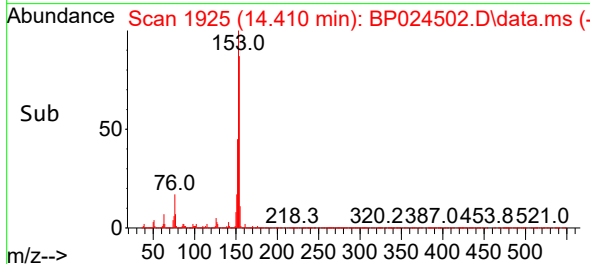
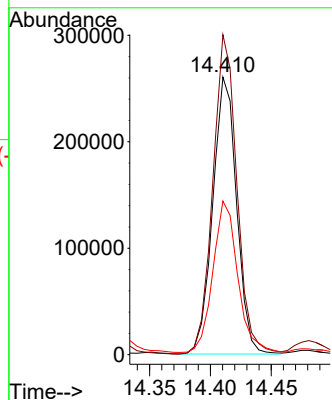
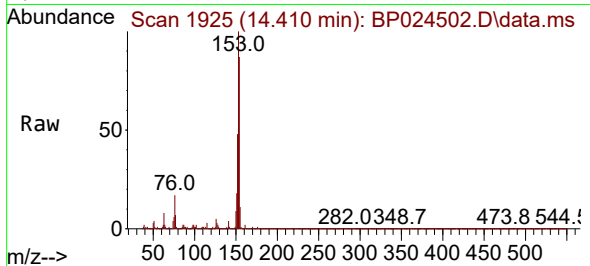




#52
Acenaphthene
Concen: 9.809 ng
RT: 14.410 min Scan# 1925
Delta R.T. -0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

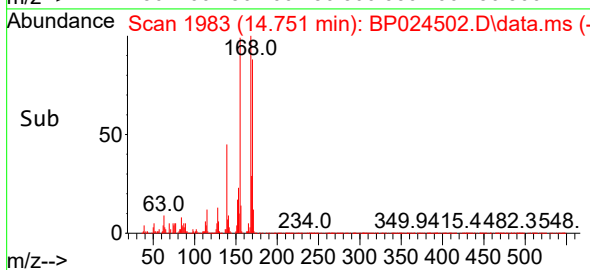
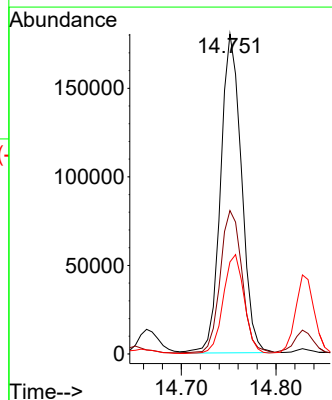
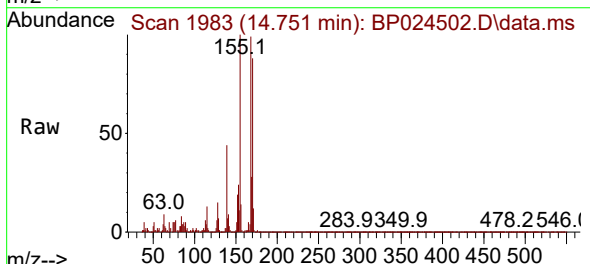
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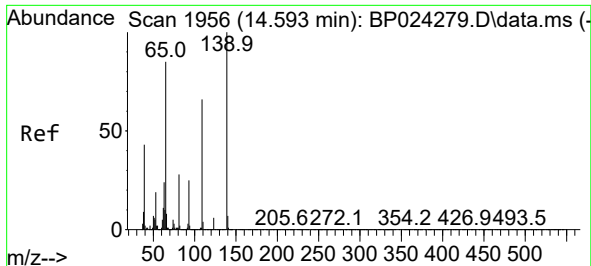
Tgt Ion:154 Resp: 354543
Ion Ratio Lower Upper
154 100
153 115.3 89.8 134.6
152 55.3 42.6 63.8



#55
Dibenzofuran
Concen: 4.666 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:168 Resp: 275691
Ion Ratio Lower Upper
168 100
139 44.8 30.3 45.5
169 28.7 10.6 16.0#

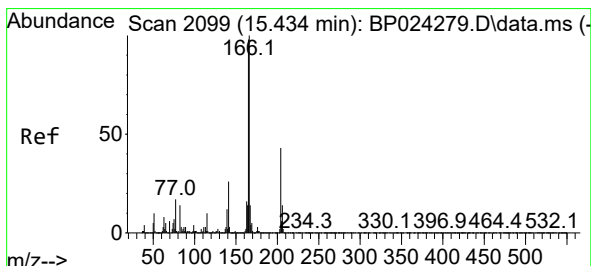
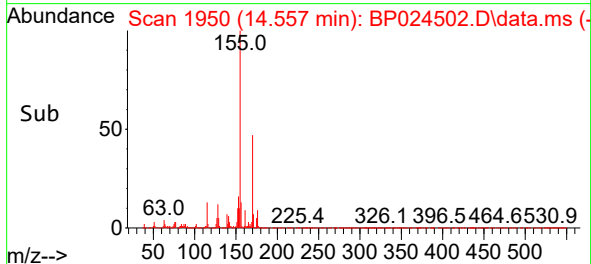
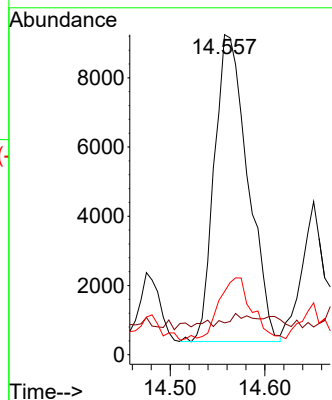
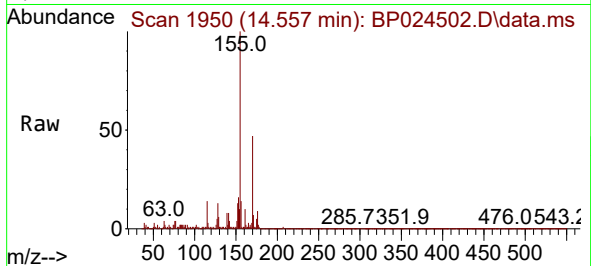




#56
4-Nitrophenol
Concen: 2.362 ng
RT: 14.557 min Scan# 1956
Delta R.T. -0.035 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

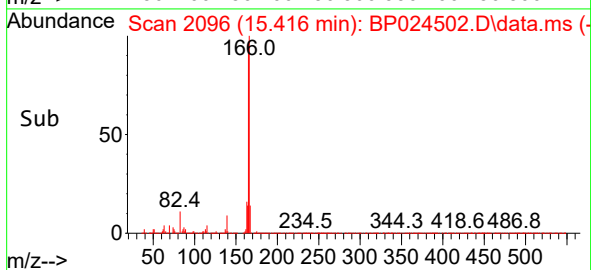
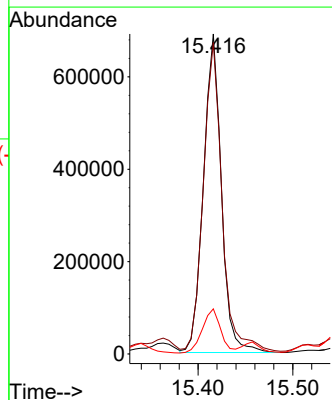
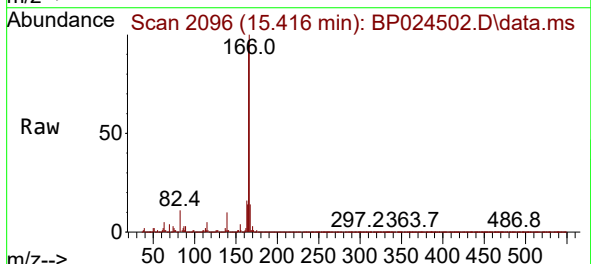
Instrument :
BNA_P
ClientSampleId :
MH-F

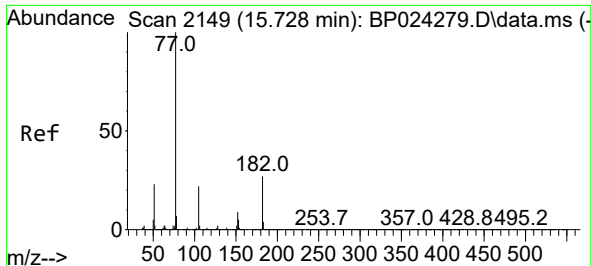
Tgt Ion:139 Resp: 21824
Ion Ratio Lower Upper
139 100
109 9.9 46.1 86.1#
65 19.7 65.0 105.0#



#58
Fluorene
Concen: 19.880 ng
RT: 15.416 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:166 Resp: 909249
Ion Ratio Lower Upper
166 100
165 97.3 78.1 117.1
167 14.1 10.9 16.3

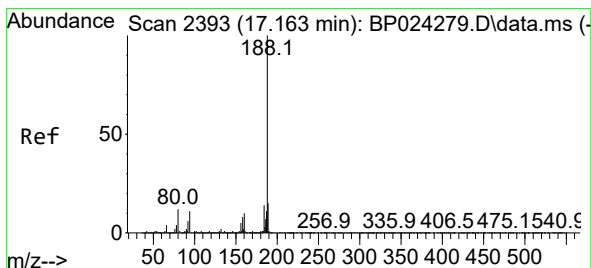
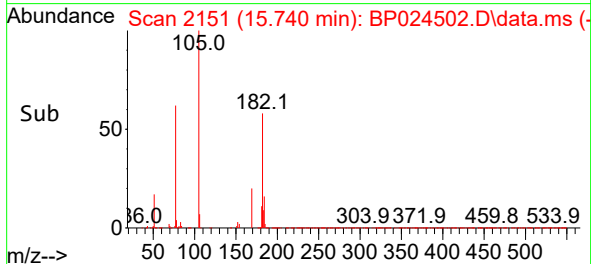
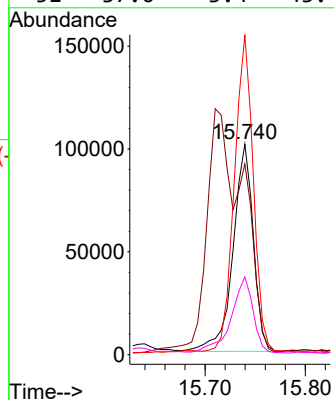
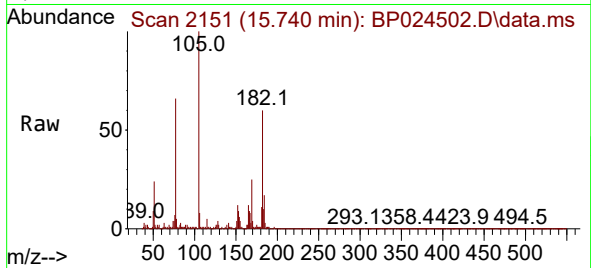




#63
Azobenzene
Concen: 3.135 ng
RT: 15.740 min Scan# 2149
Delta R.T. 0.030 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

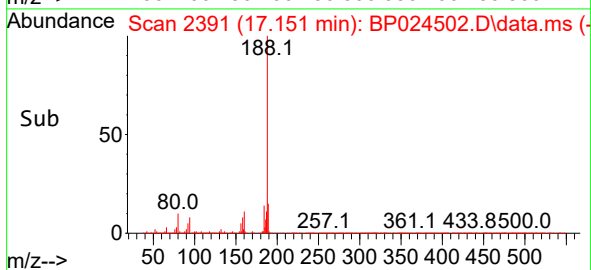
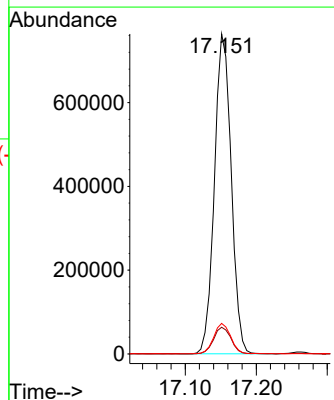
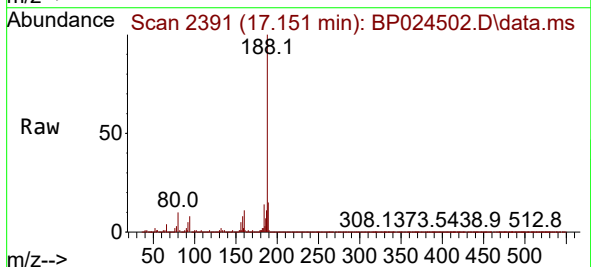
Instrument :
BNA_P
ClientSampleId :
MH-F

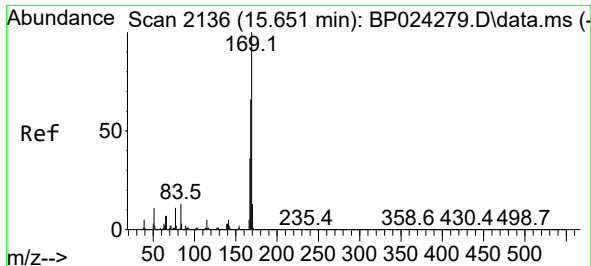
Tgt Ion: 77 Resp: 142352
Ion Ratio Lower Upper
77 100
182 90.6 7.3 47.3#
105 151.9 2.3 42.3#
51 37.0 3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion: 188 Resp: 1250048
Ion Ratio Lower Upper
188 100
94 8.4 8.6 13.0#
80 9.6 9.8 14.6#

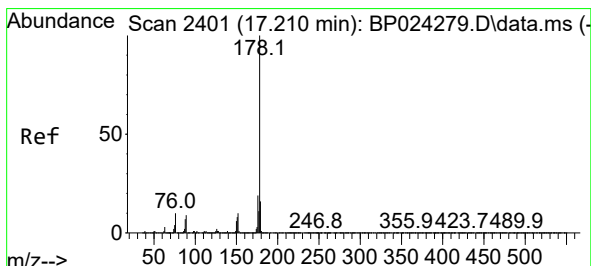
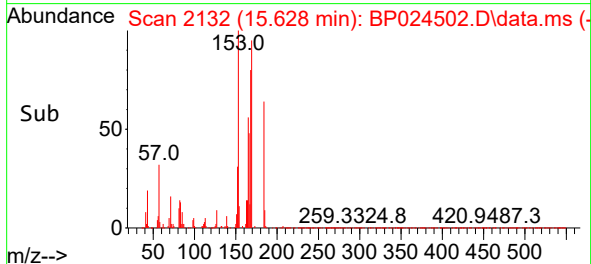
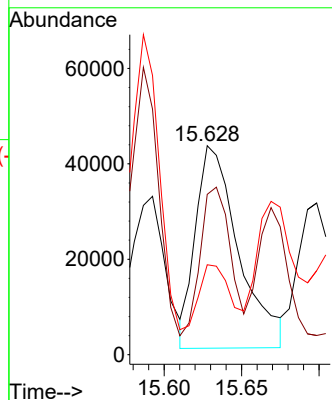
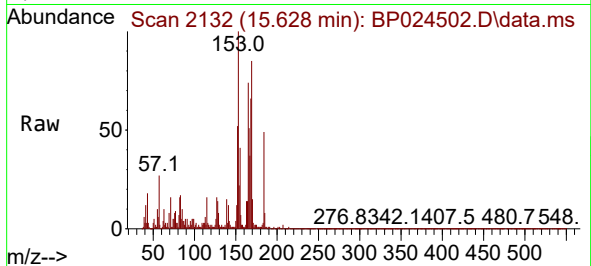




#66
n-Nitrosodiphenylamine
Concen: 2.199 ng
RT: 15.628 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

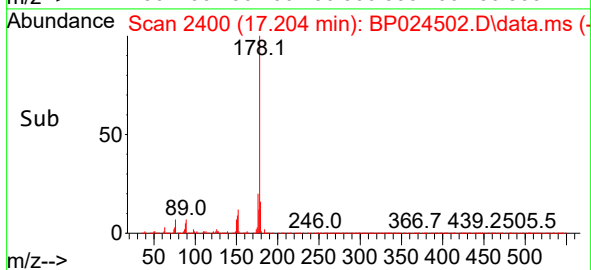
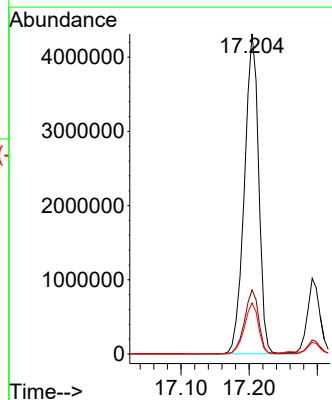
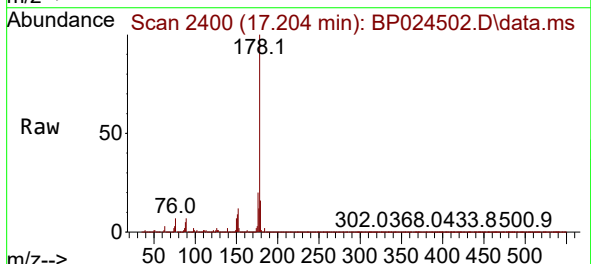
Instrument :
BNA_P
ClientSampleId :
MH-F

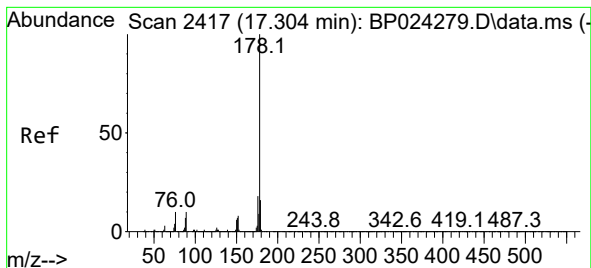
Tgt Ion:169 Resp: 82029
Ion Ratio Lower Upper
169 100
168 76.8 53.0 79.4
167 43.0 28.9 43.3



#71
Phenanthrene
Concen: 91.638 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:178 Resp: 6249118
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.9 12.5 18.7





#72

Anthracene

Concen: 19.231 ng

RT: 17.292 min Scan# 2417

Delta R.T. 0.006 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

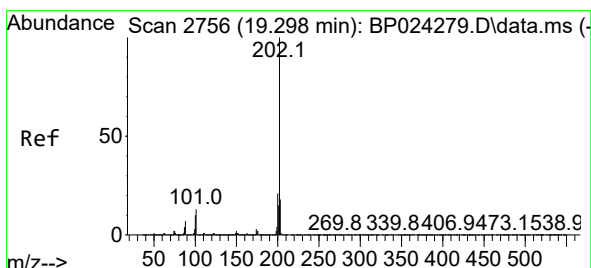
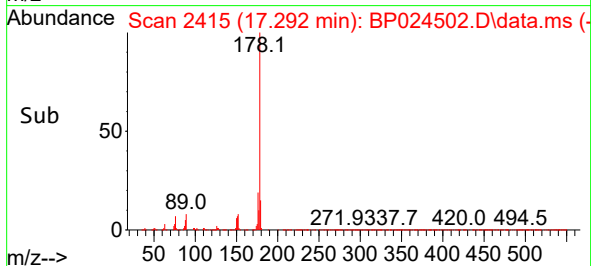
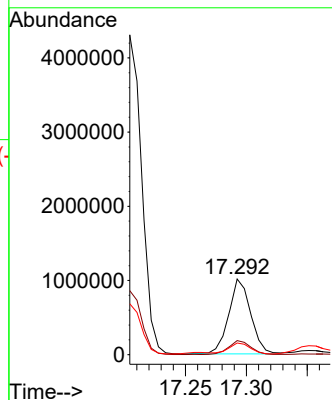
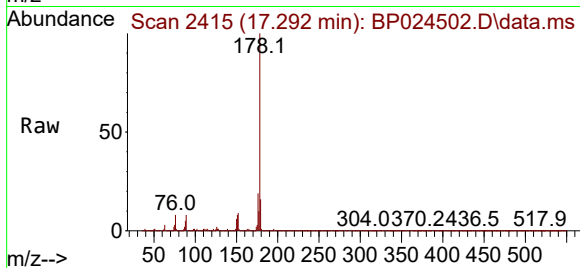
Tgt Ion:178 Resp: 1263972

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.5 12.4 18.6



#75

Fluoranthene

Concen: 54.063 ng

RT: 19.292 min Scan# 2755

Delta R.T. 0.012 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

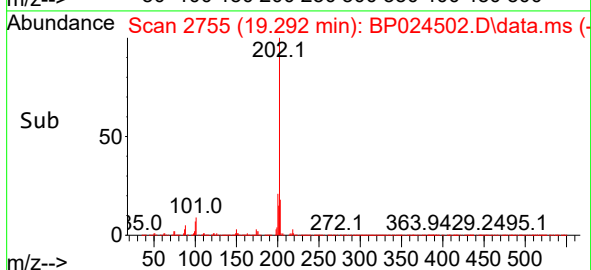
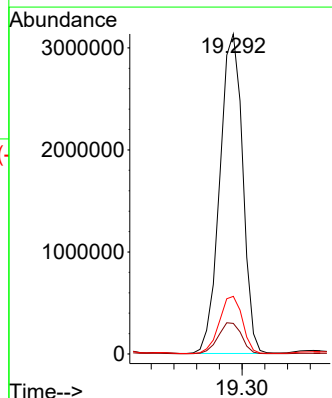
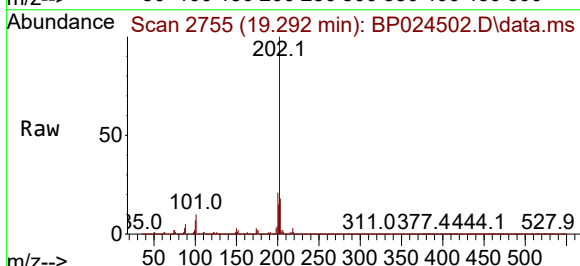
Tgt Ion:202 Resp: 4384740

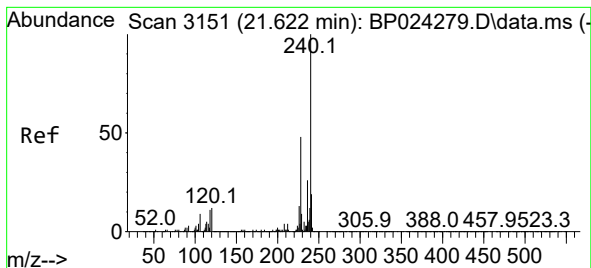
Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.2

203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.604 min Scan# 3151

Delta R.T. 0.012 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

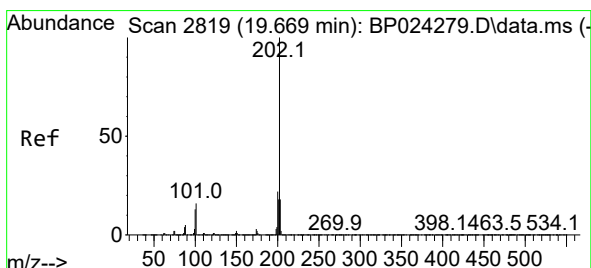
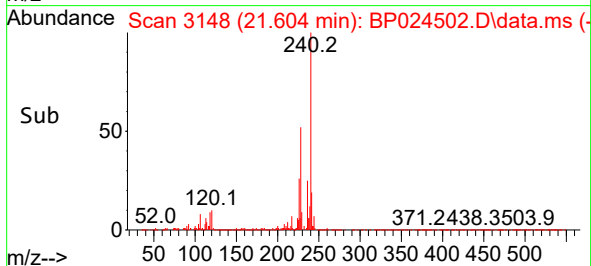
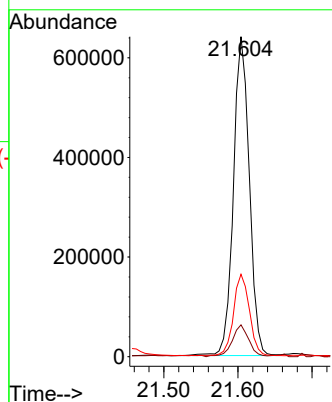
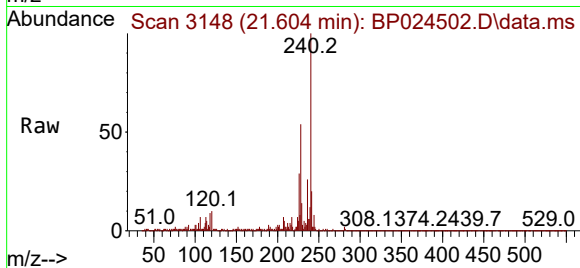
Tgt Ion:240 Resp: 953938

Ion Ratio Lower Upper

240 100

120 10.0 9.8 14.8

236 25.8 20.9 31.3



#78

Pyrene

Concen: 111.569 ng

RT: 19.669 min Scan# 2819

Delta R.T. 0.018 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

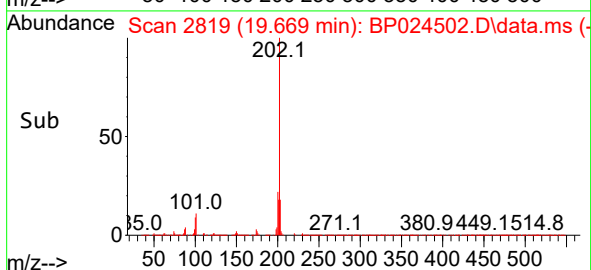
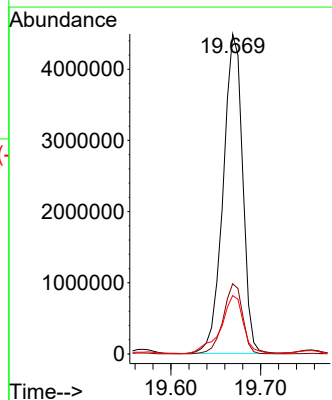
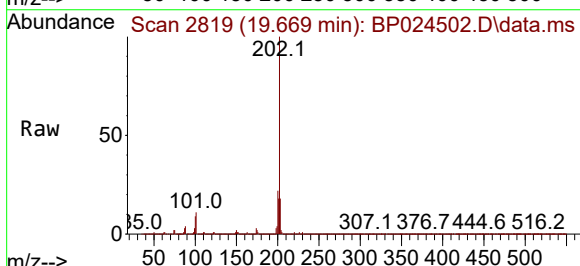
Tgt Ion:202 Resp: 6763729

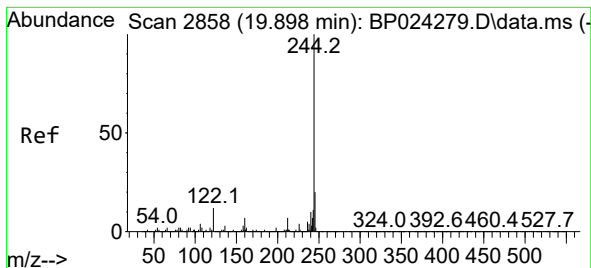
Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

203 18.3 14.4 21.6





#79

Terphenyl-d14

Concen: 64.070 ng

RT: 19.881 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

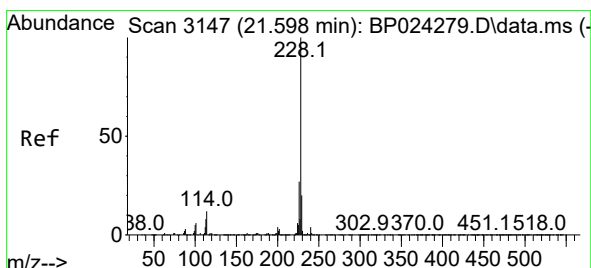
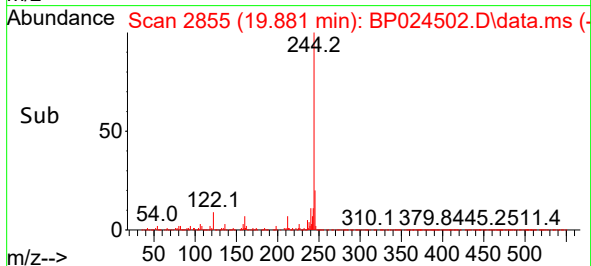
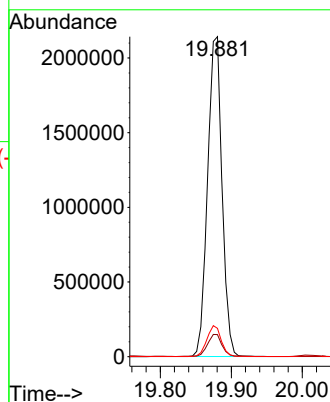
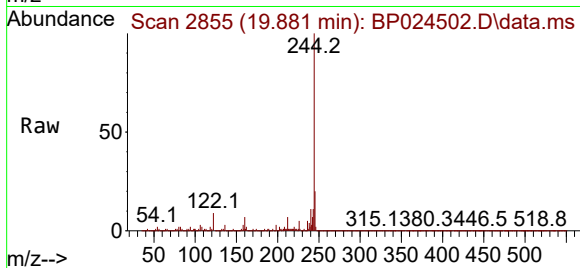
Tgt Ion:244 Resp: 3032208

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 8.8 9.4 14.0#



#81

Benzo(a)anthracene

Concen: 42.404 ng

RT: 21.586 min Scan# 3145

Delta R.T. 0.018 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

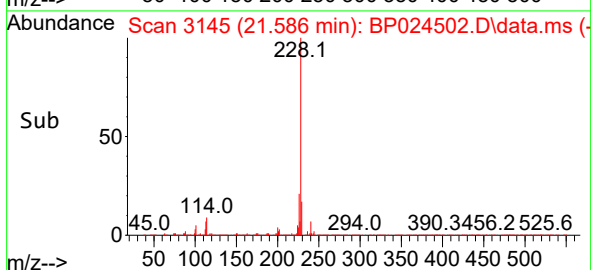
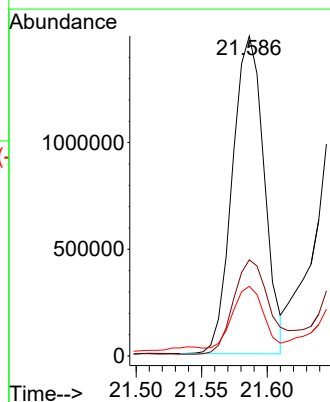
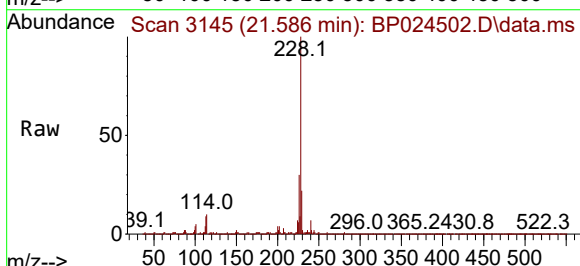
Tgt Ion:228 Resp: 2514288

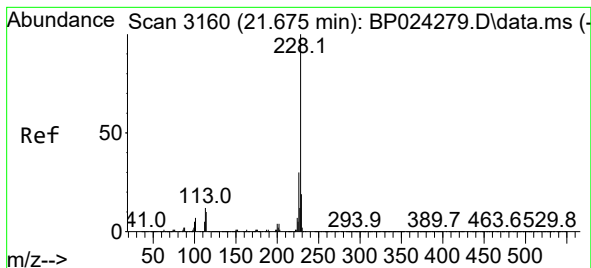
Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

229 21.7 15.9 23.9





#83

Chrysene

Concen: 41.803 ng

RT: 21.657 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

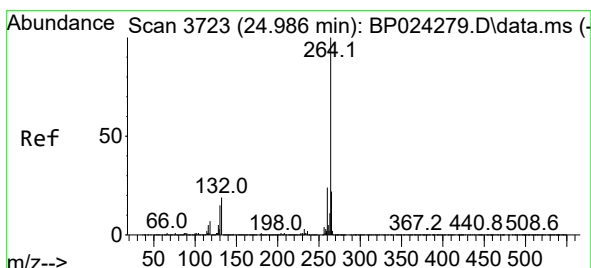
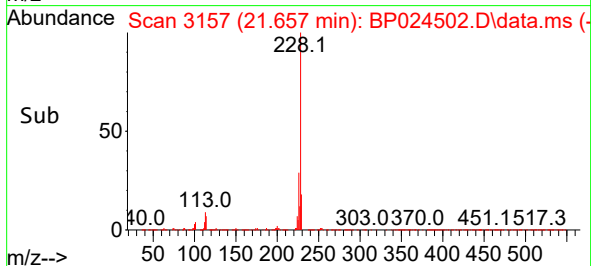
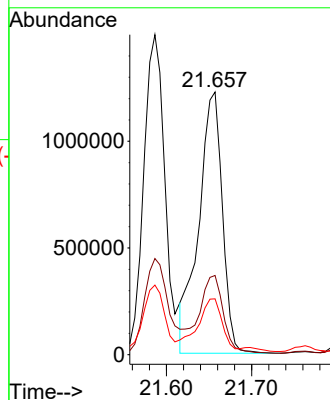
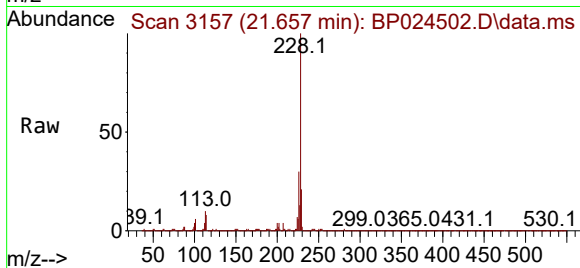
Tgt Ion:228 Resp: 2374625

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 21.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.969 min Scan# 3720

Delta R.T. 0.035 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

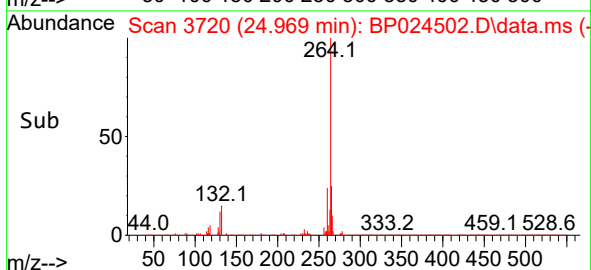
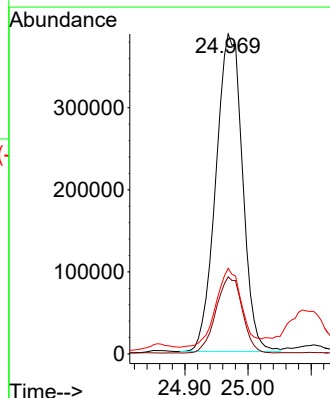
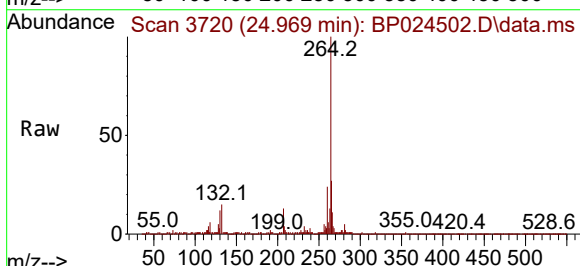
Tgt Ion:264 Resp: 1133619

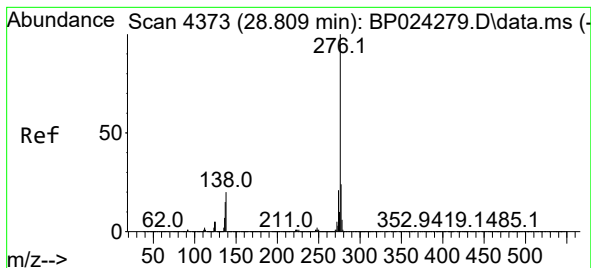
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 26.7 17.8 26.6#





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.424 ng

RT: 28.768 min Scan# 41

Delta R.T. 0.030 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

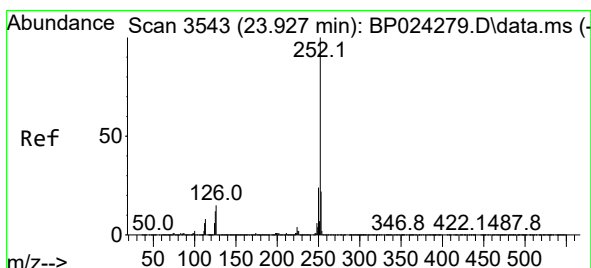
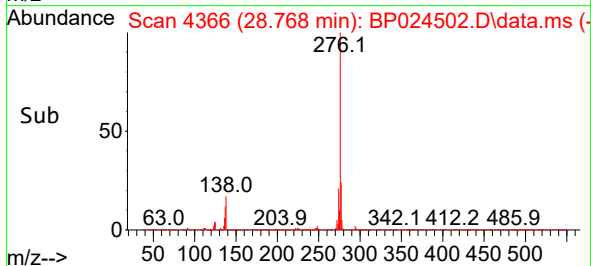
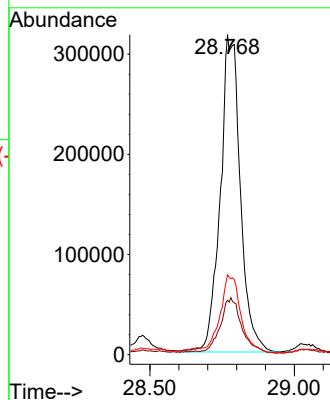
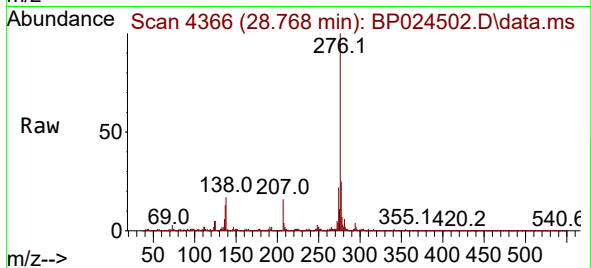
Tgt Ion:276 Resp: 1528669

Ion Ratio Lower Upper

276 100

138 18.6 14.5 21.7

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.881 ng

RT: 24.174 min Scan# 3585

Delta R.T. 0.288 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

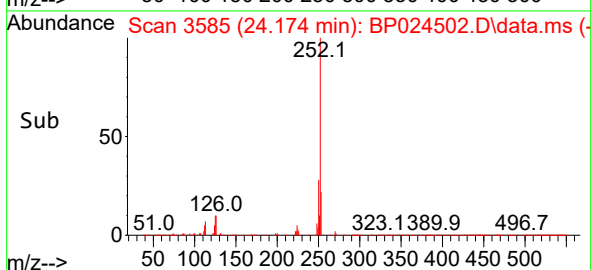
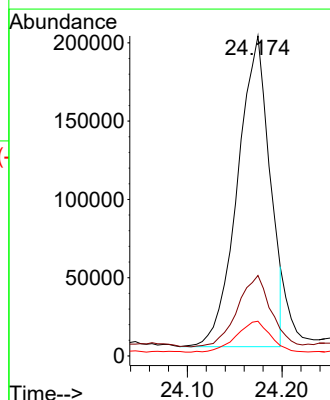
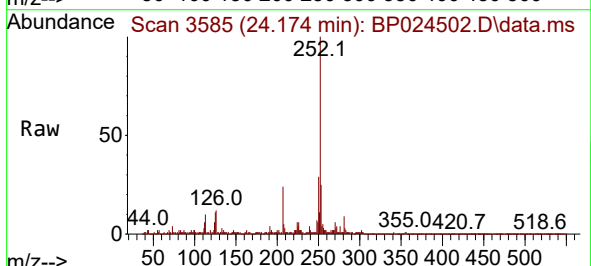
Tgt Ion:252 Resp: 467543

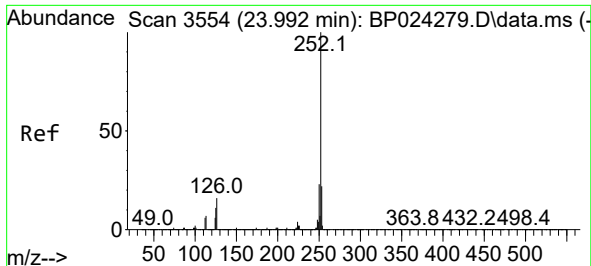
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 10.9 9.4 14.0

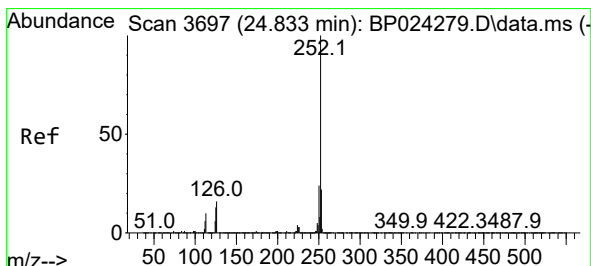
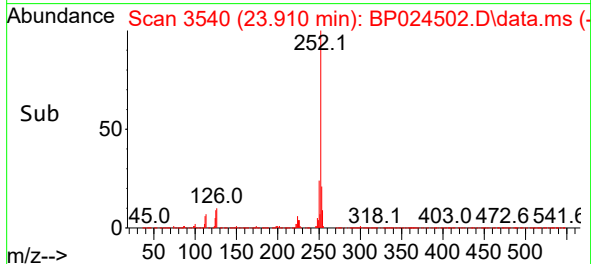
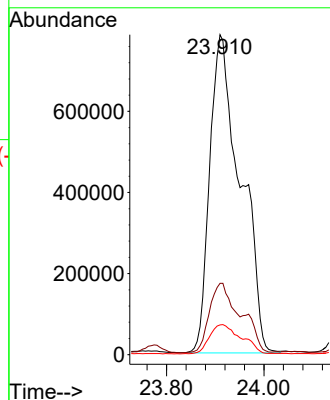
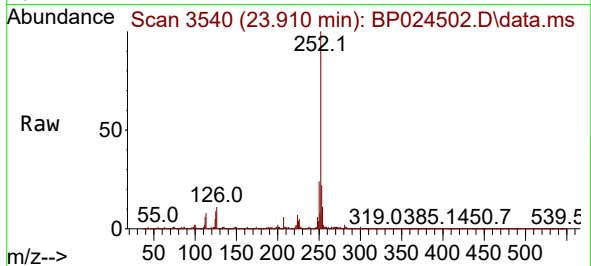




#89
Benzo(k)fluoranthene
Concen: 52.427 ng
RT: 23.910 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

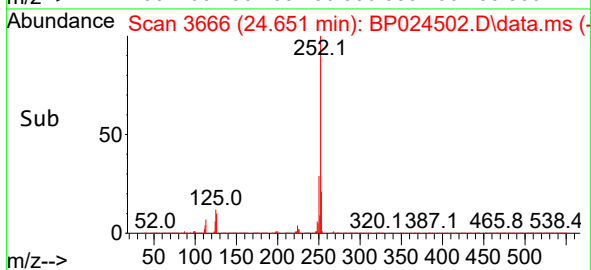
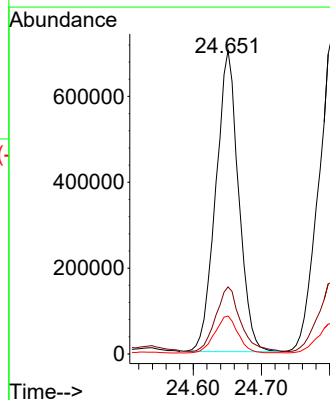
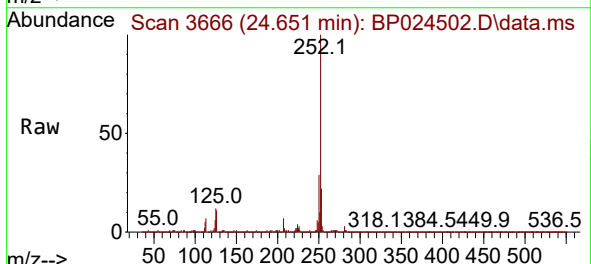
Instrument :
BNA_P
ClientSampleId :
MH-F

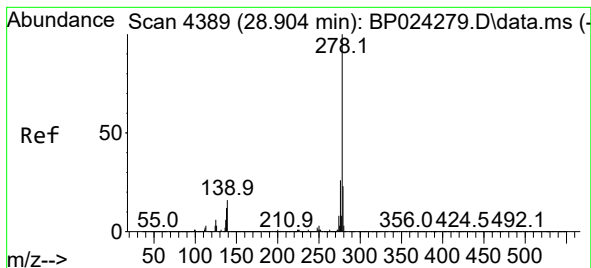
Tgt Ion:252 Resp: 3441073
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 9.3 9.1 13.7



#90
Benzo(a)pyrene
Concen: 27.824 ng
RT: 24.651 min Scan# 3666
Delta R.T. -0.129 min
Lab File: BP024502.D
Acq: 01 May 2025 21:38

Tgt Ion:252 Resp: 1630871
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 12.5 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 7.324 ng

RT: 28.839 min Scan# 41

Delta R.T. 0.035 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Instrument :

BNA_P

ClientSampleId :

MH-F

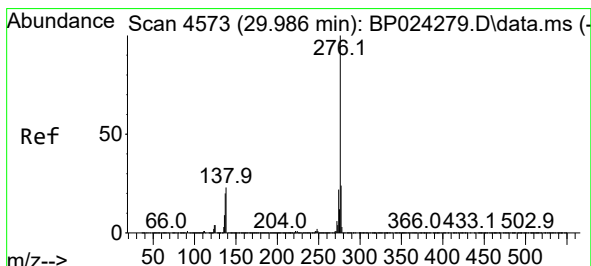
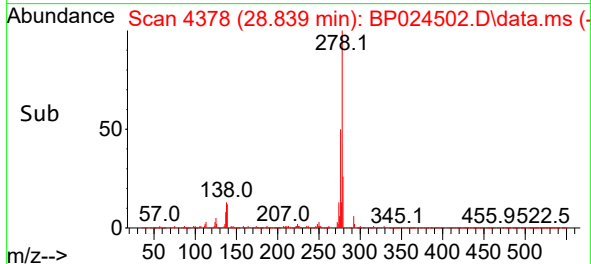
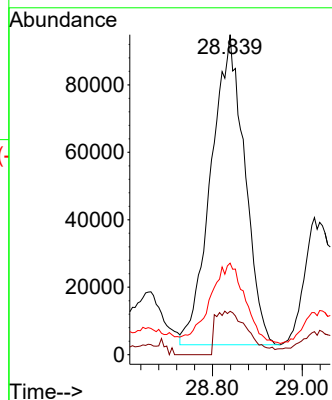
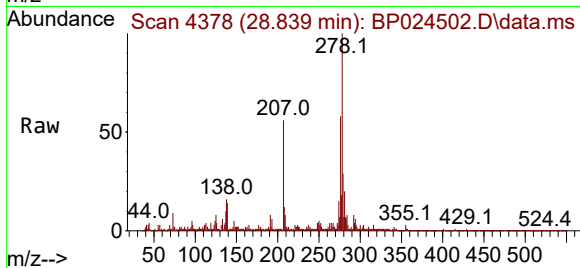
Tgt Ion:278 Resp: 478444

Ion Ratio Lower Upper

278 100

139 13.5 12.6 19.0

279 28.6 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 25.000 ng

RT: 29.951 min Scan# 4567

Delta R.T. 0.053 min

Lab File: BP024502.D

Acq: 01 May 2025 21:38

Tgt Ion:276 Resp: 1662234

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 18.0 18.7 28.1#

