

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
 Data File : BP024430.D
 Acq On : 25 Apr 2025 19:54
 Operator : RC/JU
 Sample : Q1871-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-A

Quant Time: Apr 25 22:52:55 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)

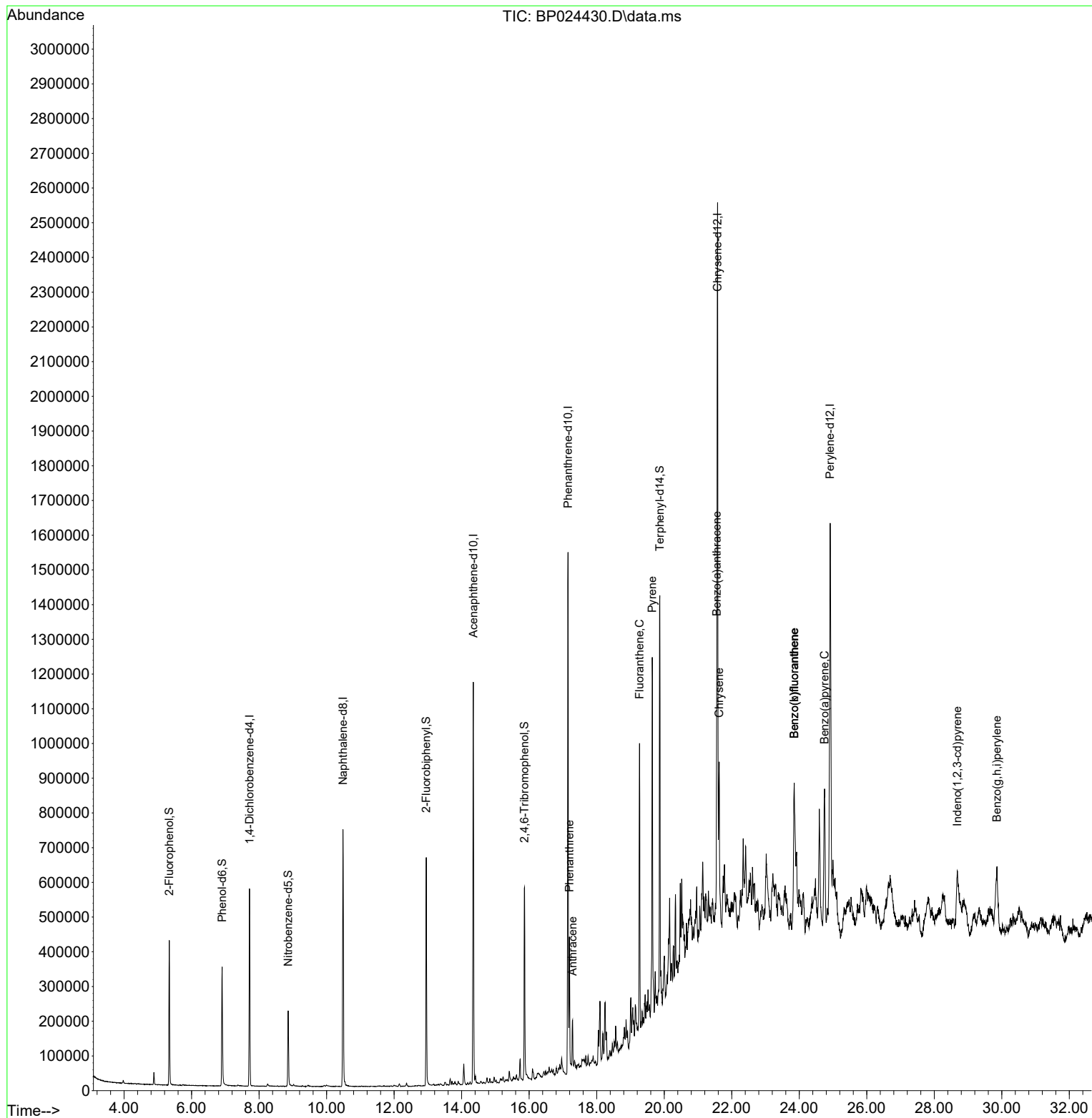
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	156011	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	654910	20.000	ng	-0.01
39) Acenaphthene-d10	14.345	164	426021	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	897975	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1028248	20.000	ng	-0.01
86) Perylene-d12	24.916	264	1196428	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	181132	19.197	ng	0.00
7) Phenol-d6	6.905	99	224039	17.341	ng	0.00
23) Nitrobenzene-d5	8.863	82	138420	12.052	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	124743	21.164	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	339877	12.215	ng	-0.01
79) Terphenyl-d14	19.869	244	626442	12.280	ng	0.00
Target Compounds					Qvalue	
71) Phenanthrene	17.192	178	207133	4.228	ng	100
72) Anthracene	17.286	178	98155	2.079	ng	98
75) Fluoranthene	19.269	202	513778	8.818	ng	98
78) Pyrene	19.645	202	638947	9.778	ng	99
81) Benzo(a)anthracene	21.557	228	383630	6.002	ng	97
83) Chrysene	21.627	228	346312	5.656	ng	98
87) Indeno(1,2,3-cd)pyrene	28.680	276	291207	3.506	ng	98
88) Benzo(b)fluoranthene	23.851	252	503332	7.019	ng	96
89) Benzo(k)fluoranthene	23.851	252	503332	7.266	ng	96
90) Benzo(a)pyrene	24.751	252	430838	6.965	ng	98
92) Benzo(g,h,i)perylene	29.856	276	304314	4.337	ng	95

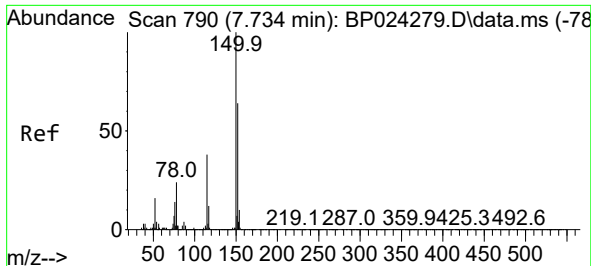
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
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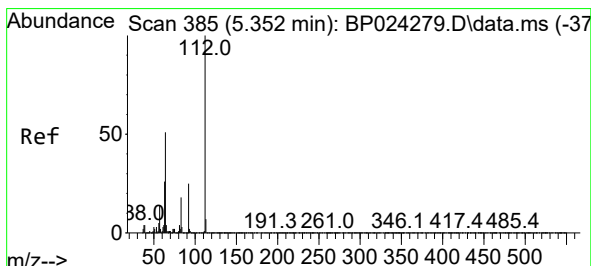
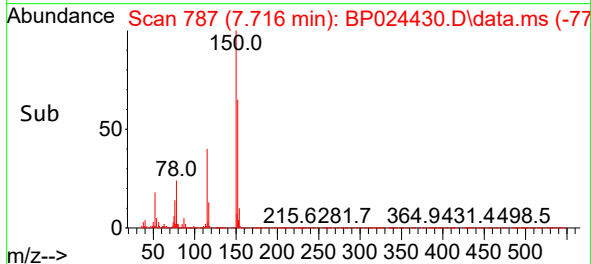
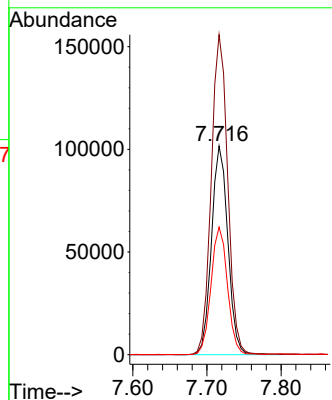
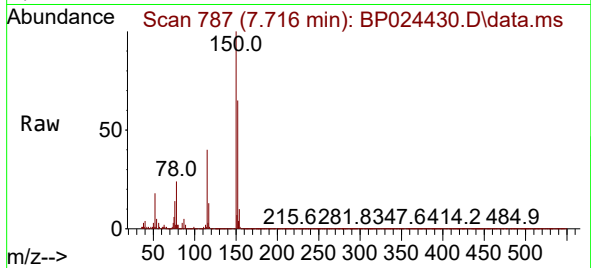




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

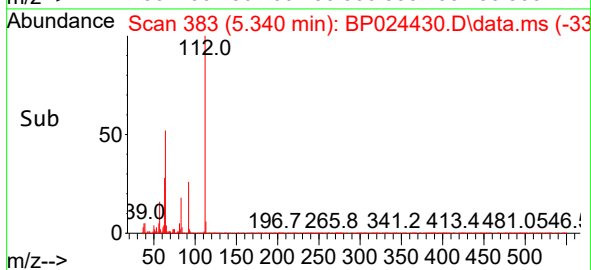
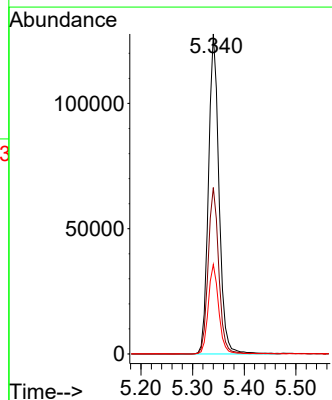
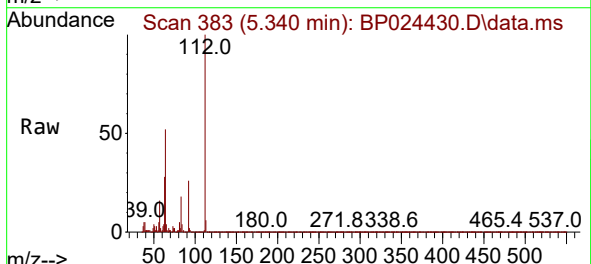
Instrument :
BNA_P
ClientSampleId :
MH-A

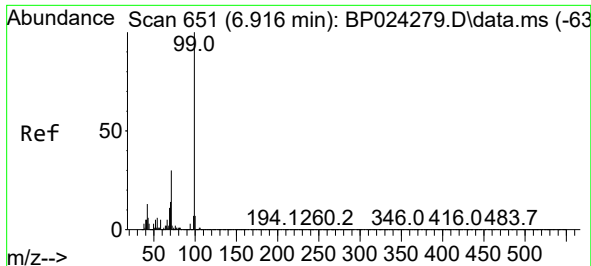
Tgt Ion:152 Resp: 156011
Ion Ratio Lower Upper
152 100
150 153.3 124.9 187.3
115 61.1 47.7 71.5



#5
2-Fluorophenol
Concen: 19.197 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:112 Resp: 181132
Ion Ratio Lower Upper
112 100
64 52.0 41.1 61.7
63 28.0 20.6 30.8

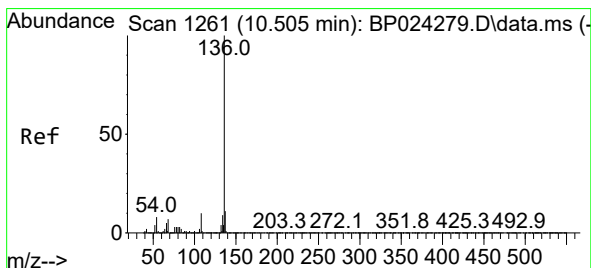
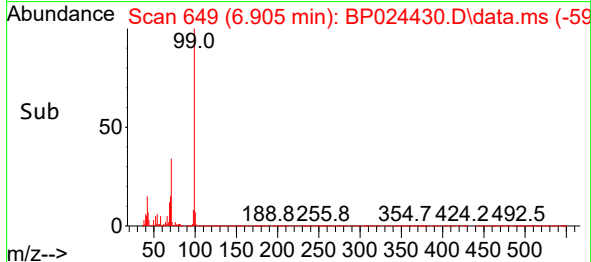
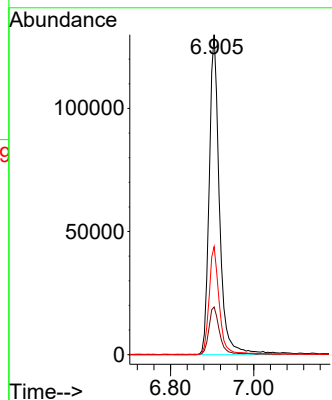
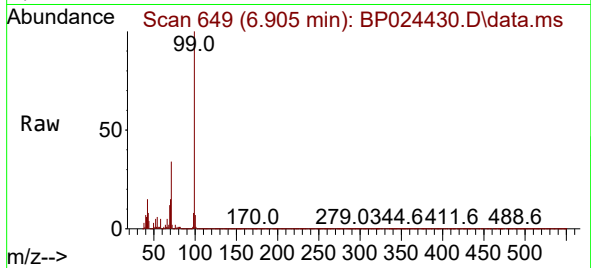




#7
Phenol-d6
Concen: 17.341 ng
RT: 6.905 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

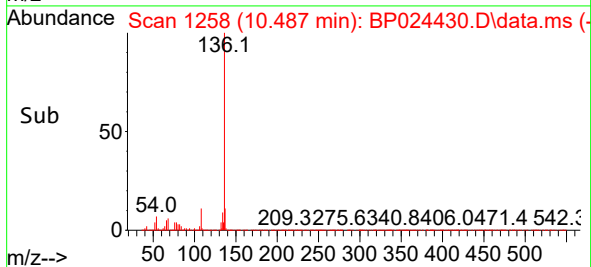
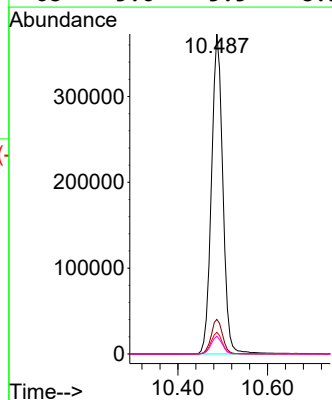
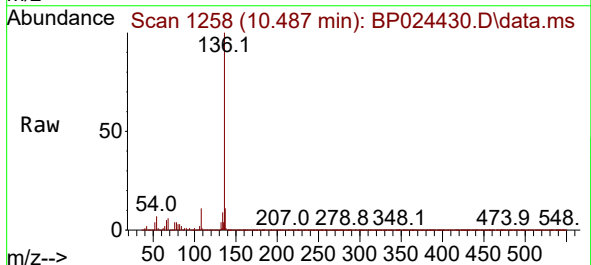
Instrument :
BNA_P
ClientSampleId :
MH-A

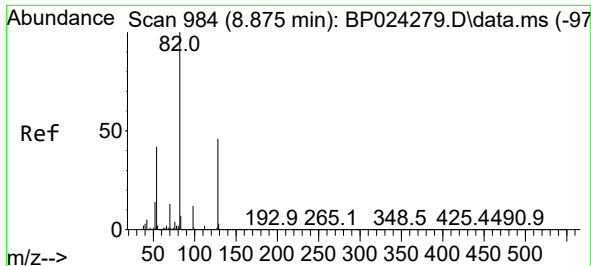
Tgt Ion: 99 Resp: 224039
Ion Ratio Lower Upper
99 100
42 14.9 10.6 16.0
71 33.7 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:136 Resp: 654910
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.7 6.0 9.0
68 5.6 5.5 8.3

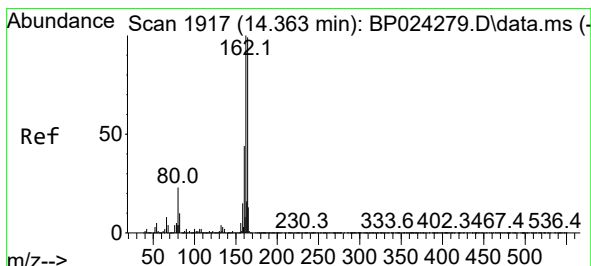
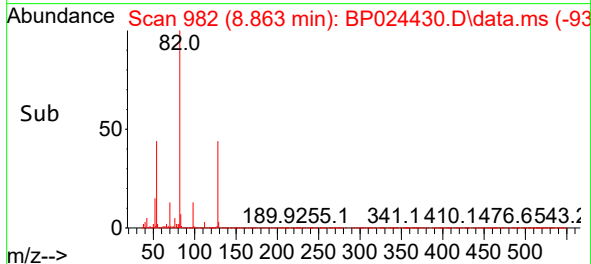
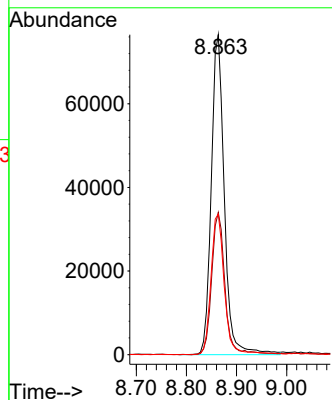
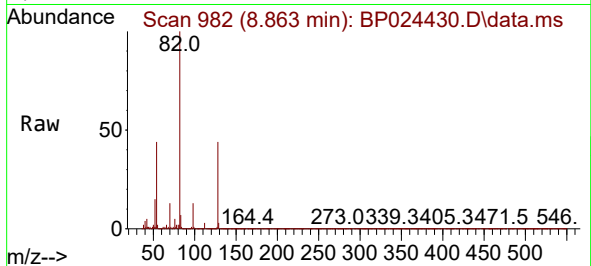




#23
Nitrobenzene-d5
Concen: 12.052 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

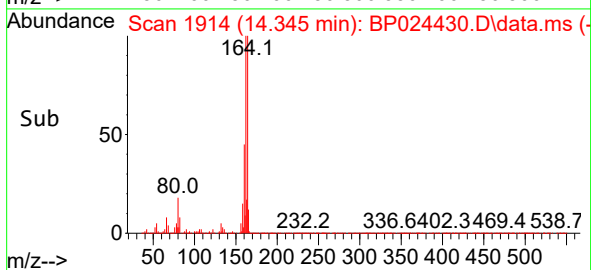
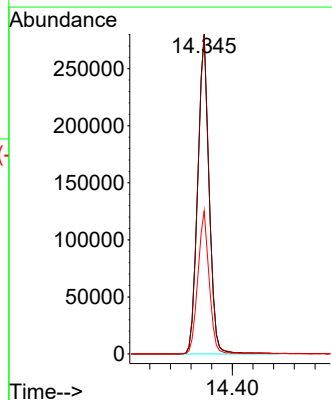
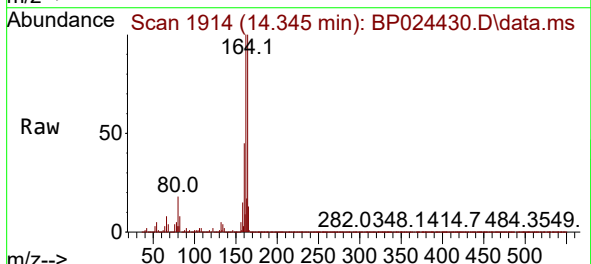
Instrument :
BNA_P
ClientSampleId :
MH-A

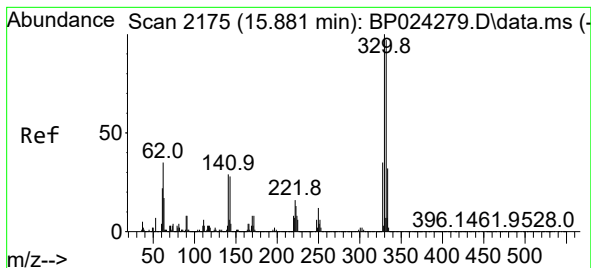
Tgt Ion: 82 Resp: 138420
Ion Ratio Lower Upper
82 100
128 44.5 36.5 54.7
54 44.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion: 164 Resp: 426021
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 21.164 ng

RT: 15.863 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

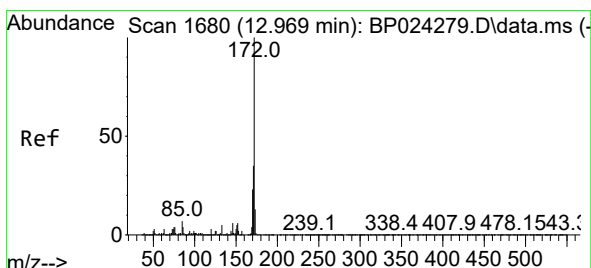
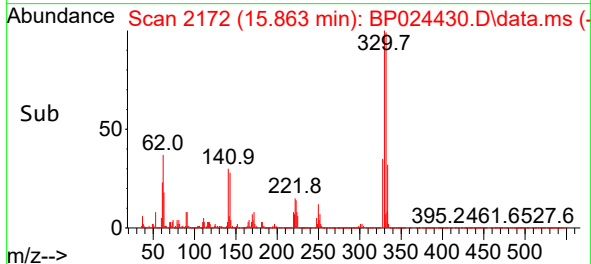
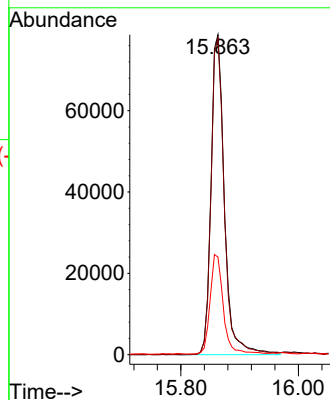
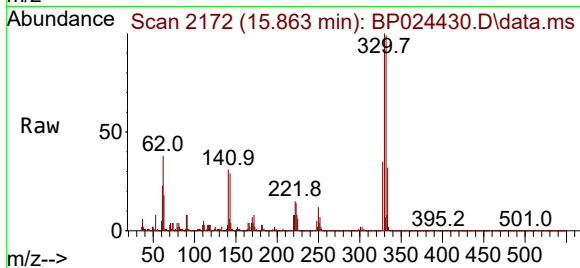
Tgt Ion:330 Resp: 124743

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

141 30.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 12.215 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

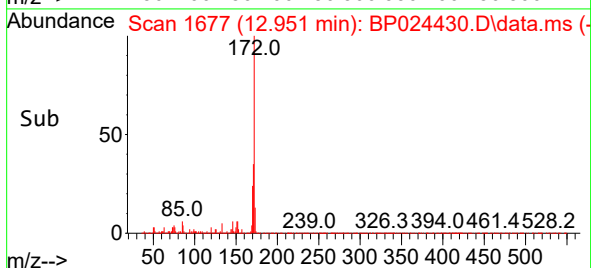
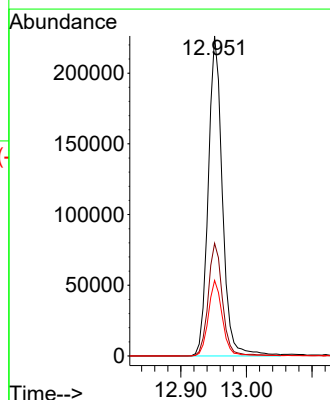
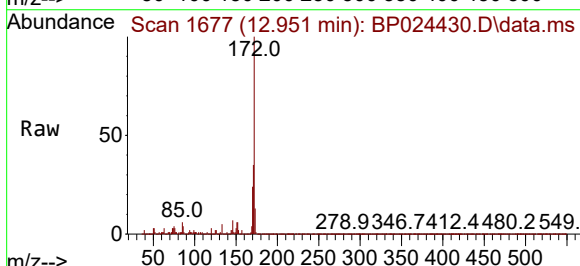
Tgt Ion:172 Resp: 339877

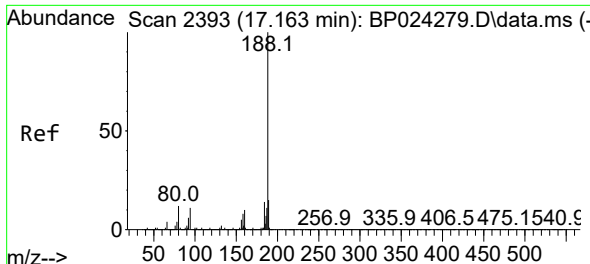
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.6 18.6 27.8

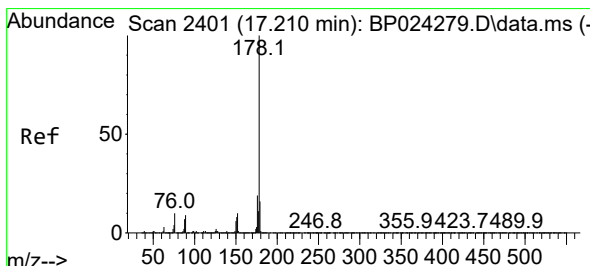
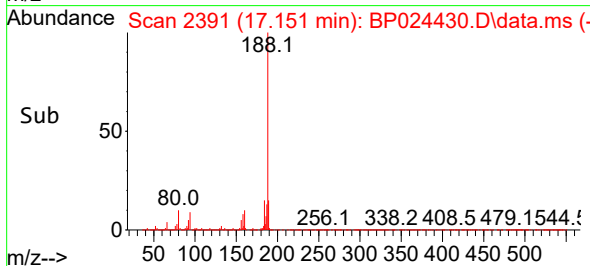
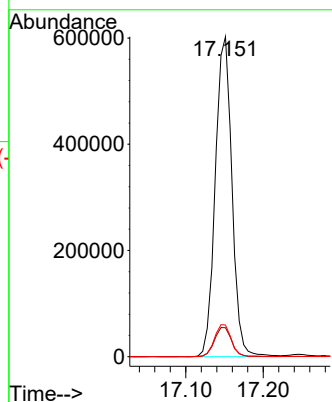
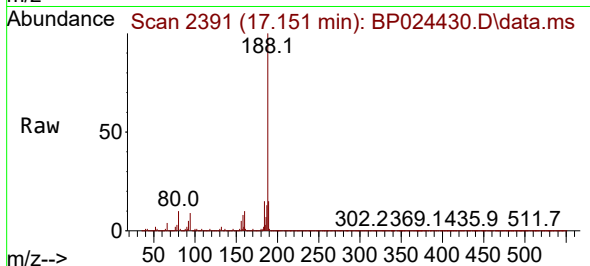




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

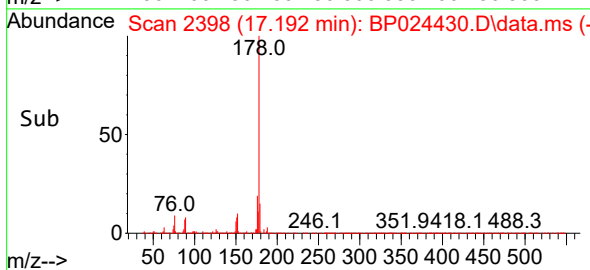
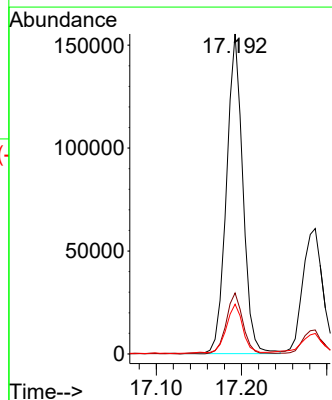
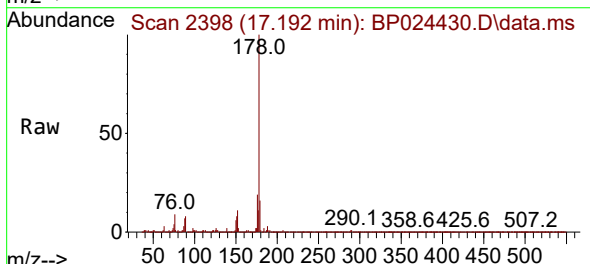
Instrument :
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ClientSampleId :
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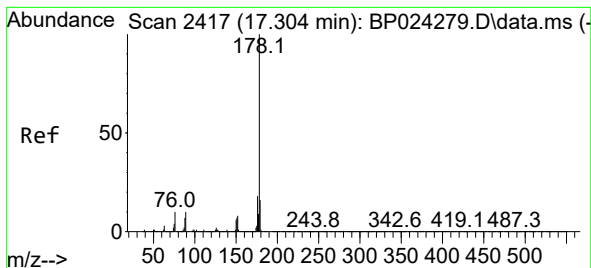
Tgt Ion:188 Resp: 897975
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 9.9 9.8 14.6



#71
Phenanthrene
Concen: 4.228 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP024430.D
Acq: 25 Apr 2025 19:54

Tgt Ion:178 Resp: 207133
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.5 12.5 18.7





#72

Anthracene

Concen: 2.079 ng

RT: 17.286 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

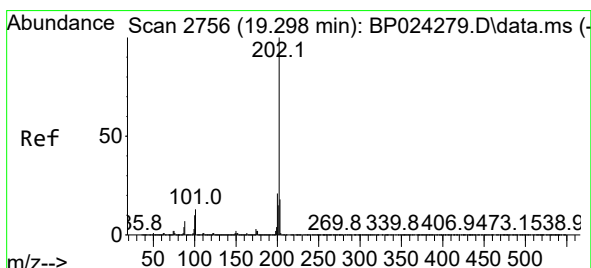
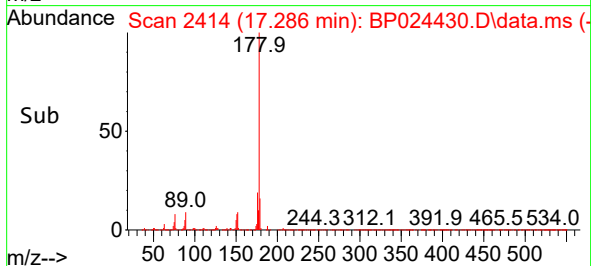
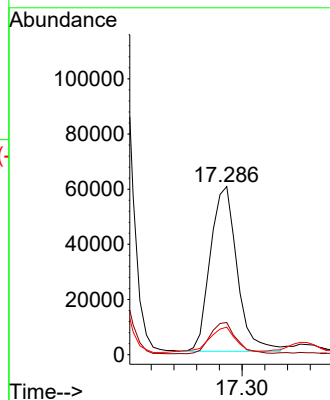
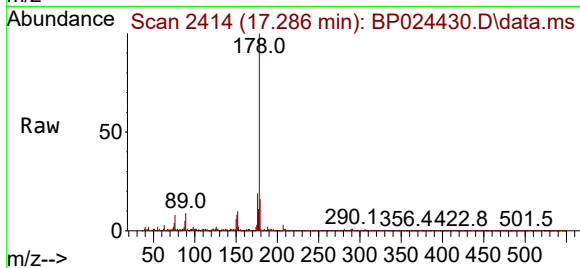
Tgt Ion:178 Resp: 98155

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

179 16.4 12.4 18.6



#75

Fluoranthene

Concen: 8.818 ng

RT: 19.269 min Scan# 2751

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

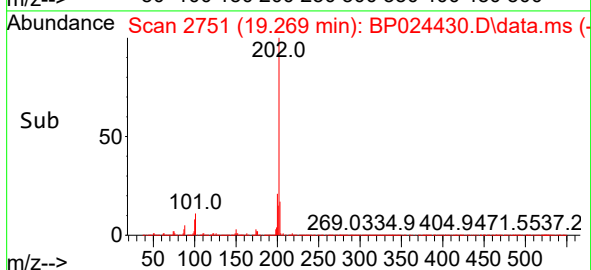
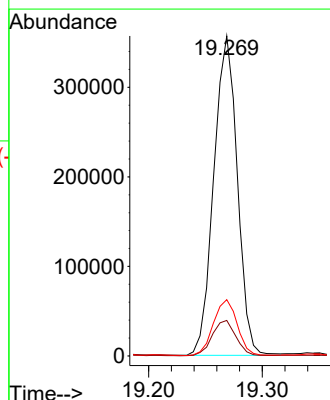
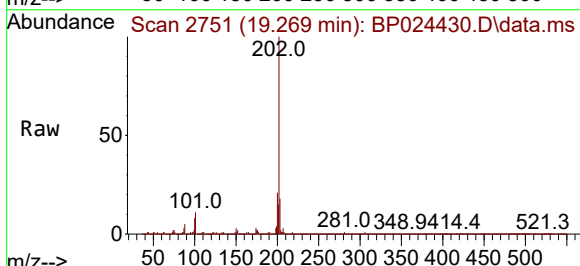
Tgt Ion:202 Resp: 513778

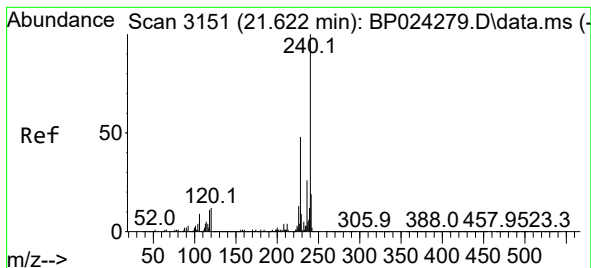
Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.2

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

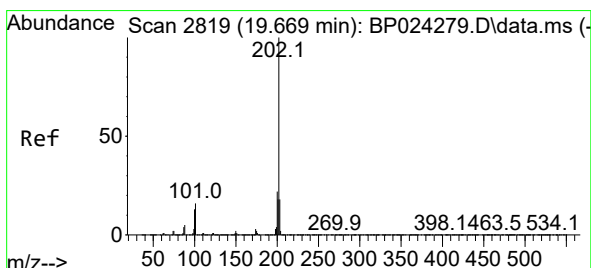
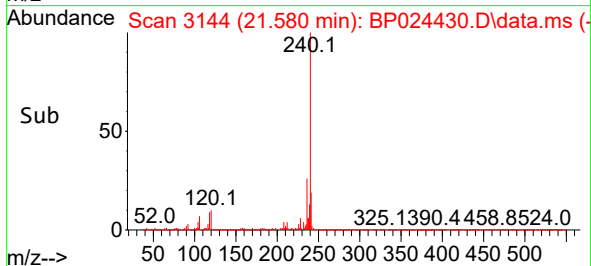
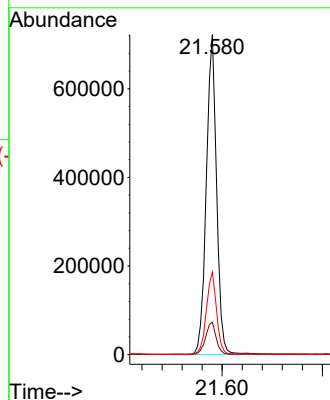
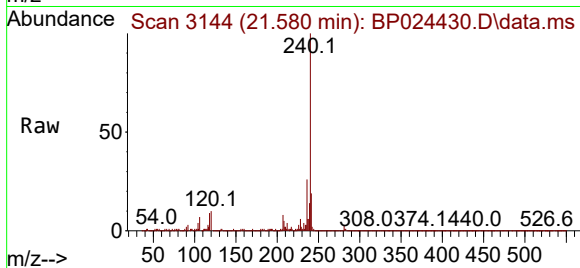
Tgt Ion:240 Resp: 1028248

Ion Ratio Lower Upper

240 100

120 10.2 9.8 14.8

236 25.9 20.9 31.3



#78

Pyrene

Concen: 9.778 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

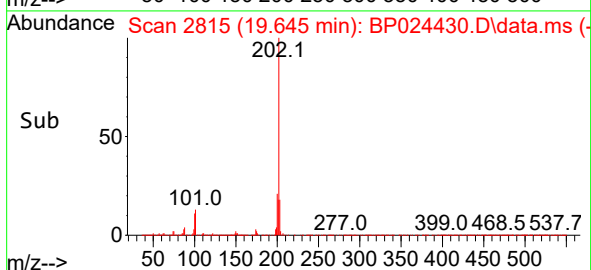
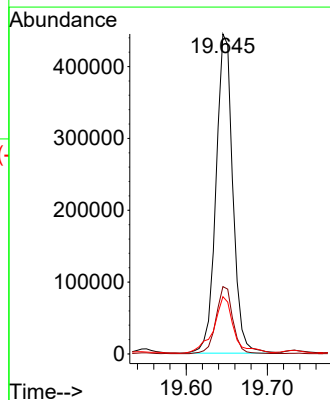
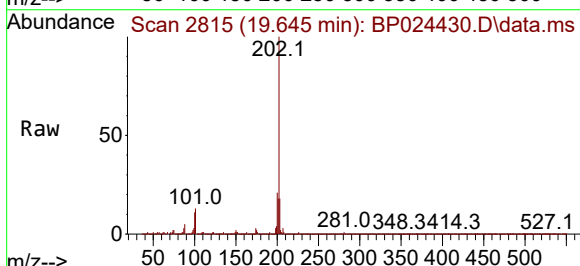
Tgt Ion:202 Resp: 638947

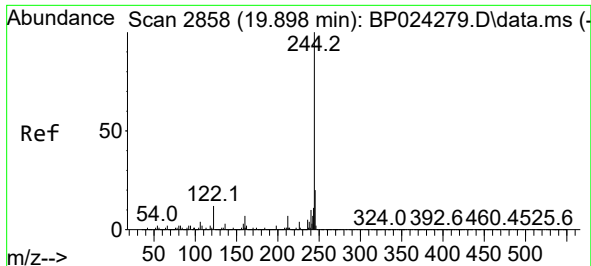
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.9 14.4 21.6

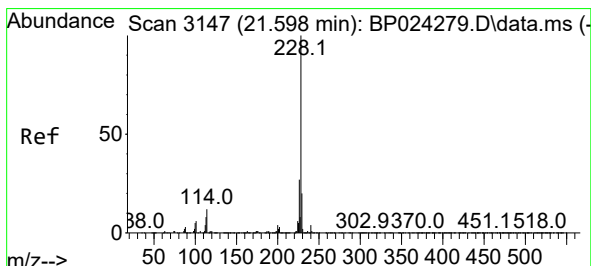
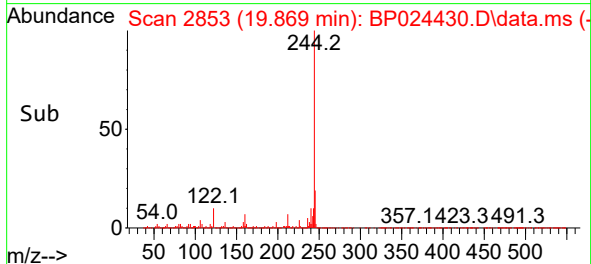
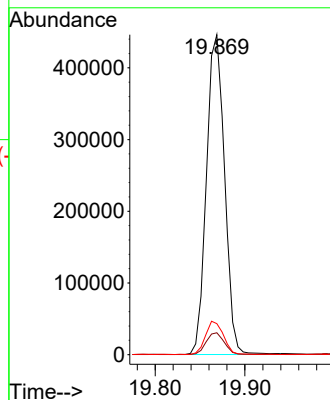
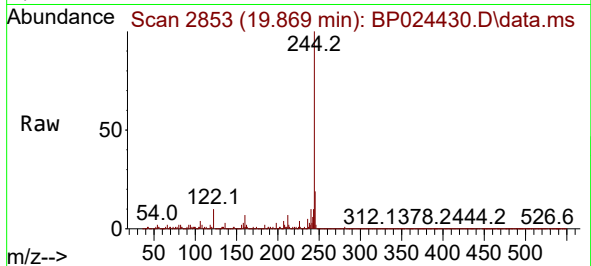




#79
 Terphenyl-d14
 Concen: 12.280 ng
 RT: 19.869 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP024430.D
 Acq: 25 Apr 2025 19:54

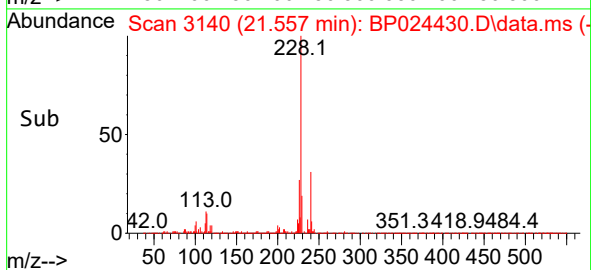
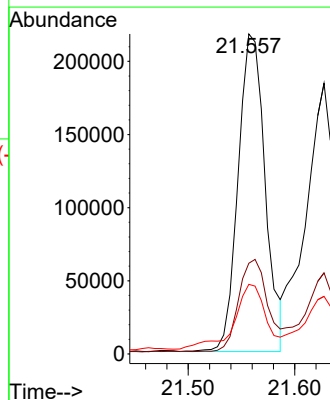
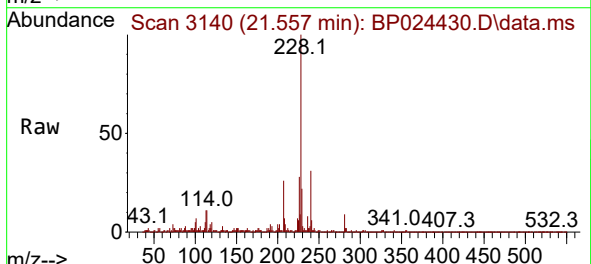
Instrument :
 BNA_P
 ClientSampleId :
 MH-A

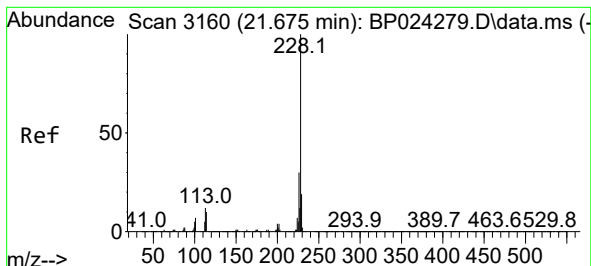
Tgt Ion:244 Resp: 626442
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.7 9.4 14.0



#81
 Benzo(a)anthracene
 Concen: 6.002 ng
 RT: 21.557 min Scan# 3140
 Delta R.T. -0.012 min
 Lab File: BP024430.D
 Acq: 25 Apr 2025 19:54

Tgt Ion:228 Resp: 383630
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 21.8 15.9 23.9





#83

Chrysene

Concen: 5.656 ng

RT: 21.627 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

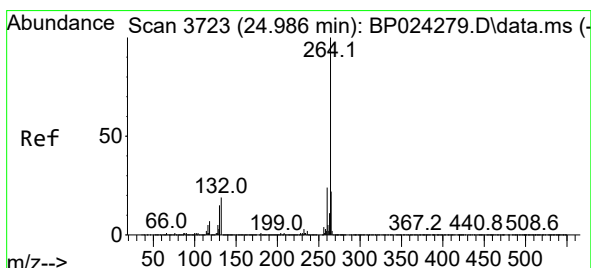
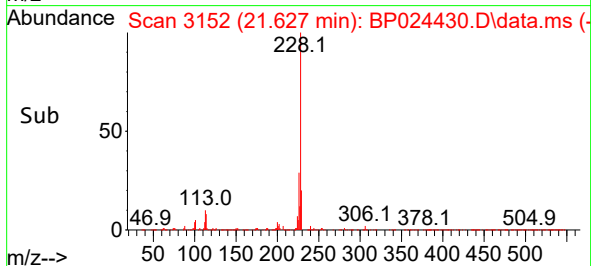
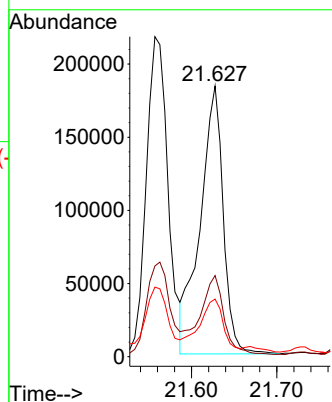
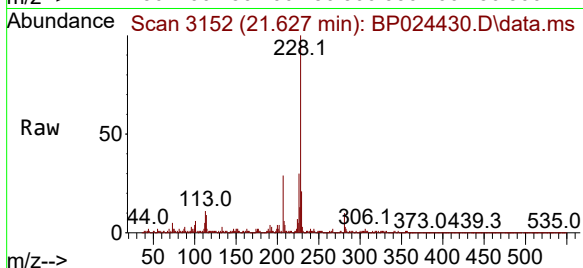
Tgt Ion:228 Resp: 346312

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 21.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.916 min Scan# 3711

Delta R.T. -0.018 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

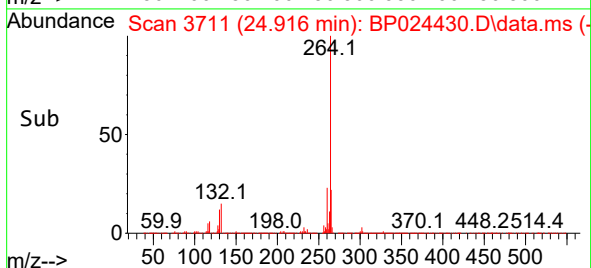
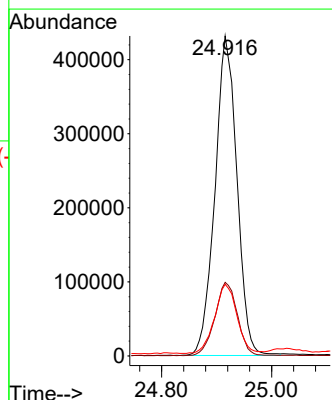
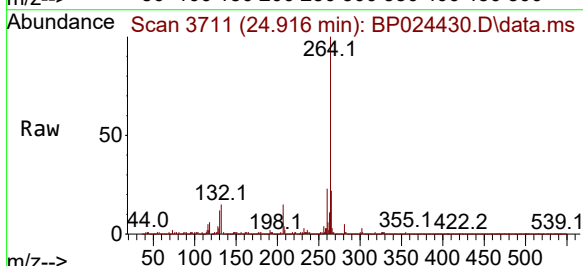
Tgt Ion:264 Resp: 1196428

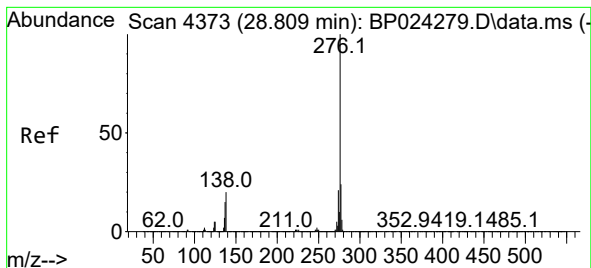
Ion Ratio Lower Upper

264 100

260 23.0 18.9 28.3

265 22.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.506 ng

RT: 28.680 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

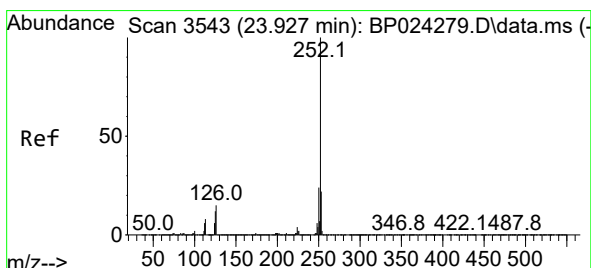
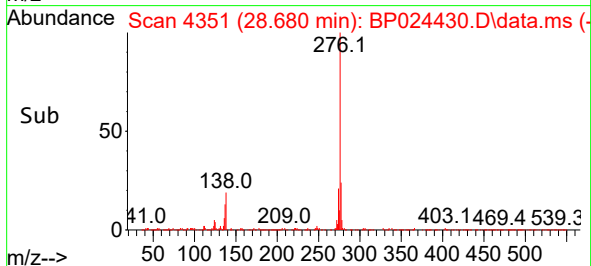
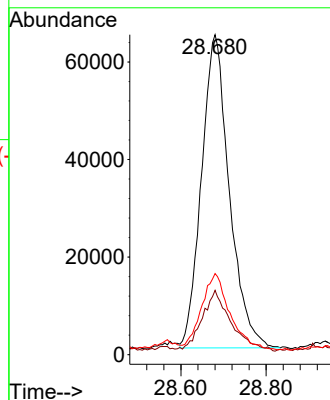
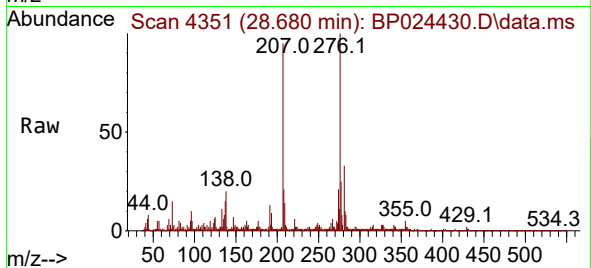
Tgt Ion:276 Resp: 291207

Ion Ratio Lower Upper

276 100

138 20.3 14.5 21.7

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.019 ng

RT: 23.851 min Scan# 3530

Delta R.T. -0.035 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

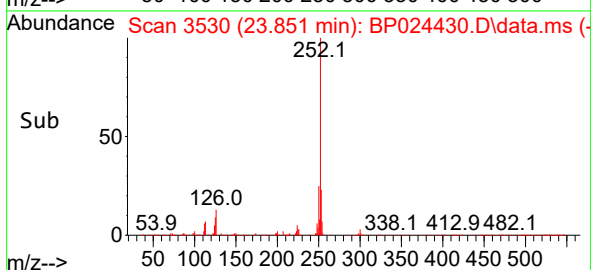
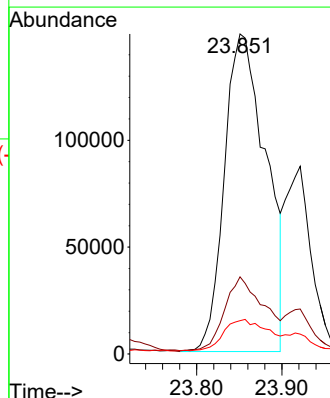
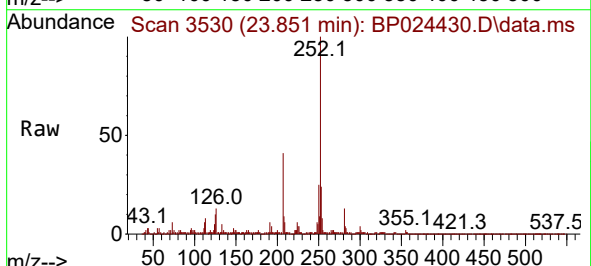
Tgt Ion:252 Resp: 503332

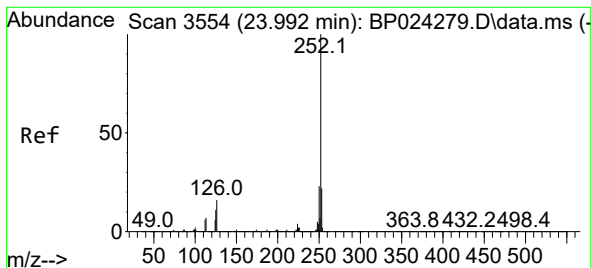
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 10.4 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 7.266 ng

RT: 23.851 min Scan# 3

Delta R.T. -0.106 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A

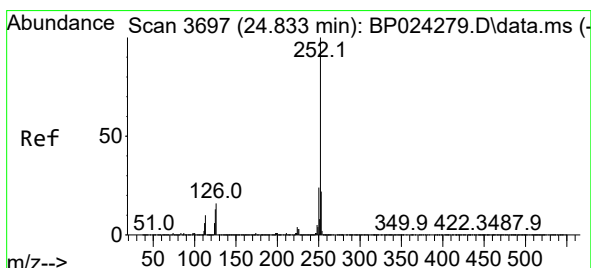
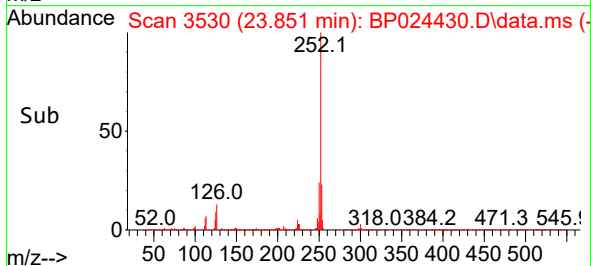
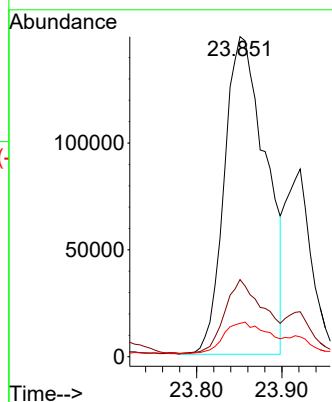
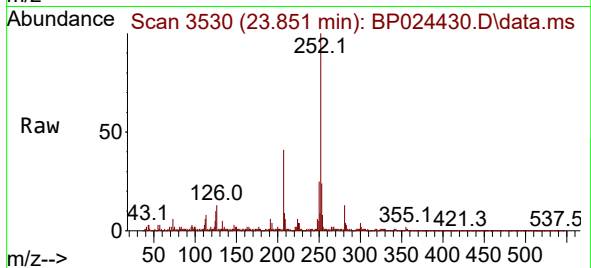
Tgt Ion:252 Resp: 503332

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 10.4 9.1 13.7



#90

Benzo(a)pyrene

Concen: 6.965 ng

RT: 24.751 min Scan# 3683

Delta R.T. -0.029 min

Lab File: BP024430.D

Acq: 25 Apr 2025 19:54

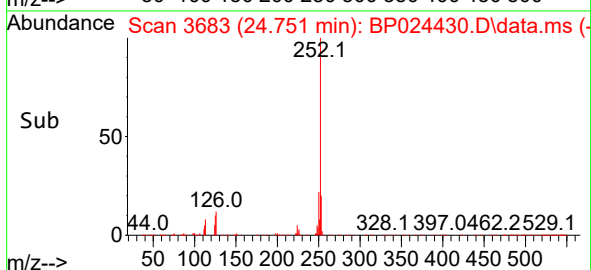
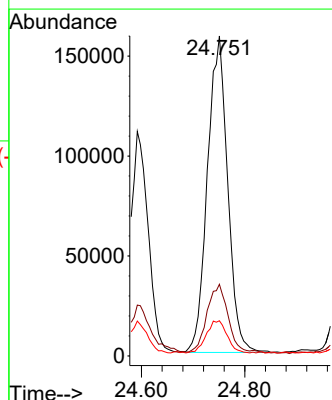
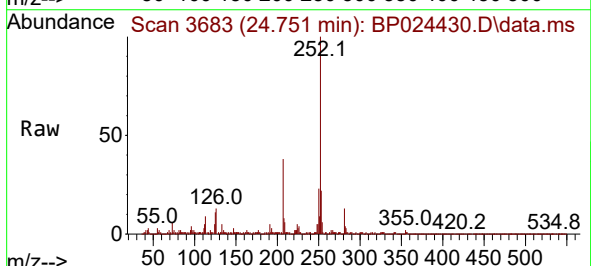
Tgt Ion:252 Resp: 430838

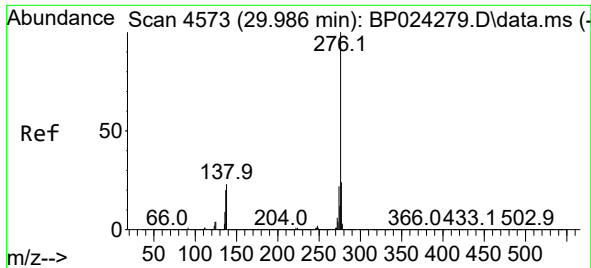
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 11.0 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 4.337 ng

RT: 29.856 min Scan# 4

Delta R.T. -0.041 min

Lab File: BP024430.D

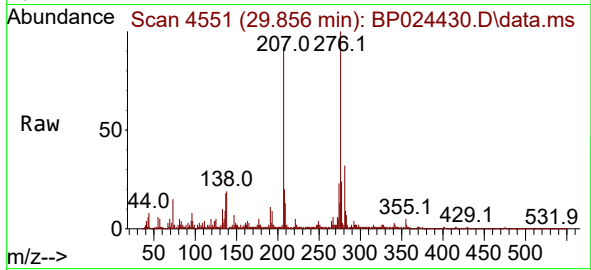
Acq: 25 Apr 2025 19:54

Instrument :

BNA_P

ClientSampleId :

MH-A



Tgt Ion:276 Resp: 304314

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 19.3 18.7 28.1

