

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
 Data File : BP024448.D
 Acq On : 28 Apr 2025 22:28
 Operator : RC/JU
 Sample : Q1891-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-C

Quant Time: Apr 29 01:26:01 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)

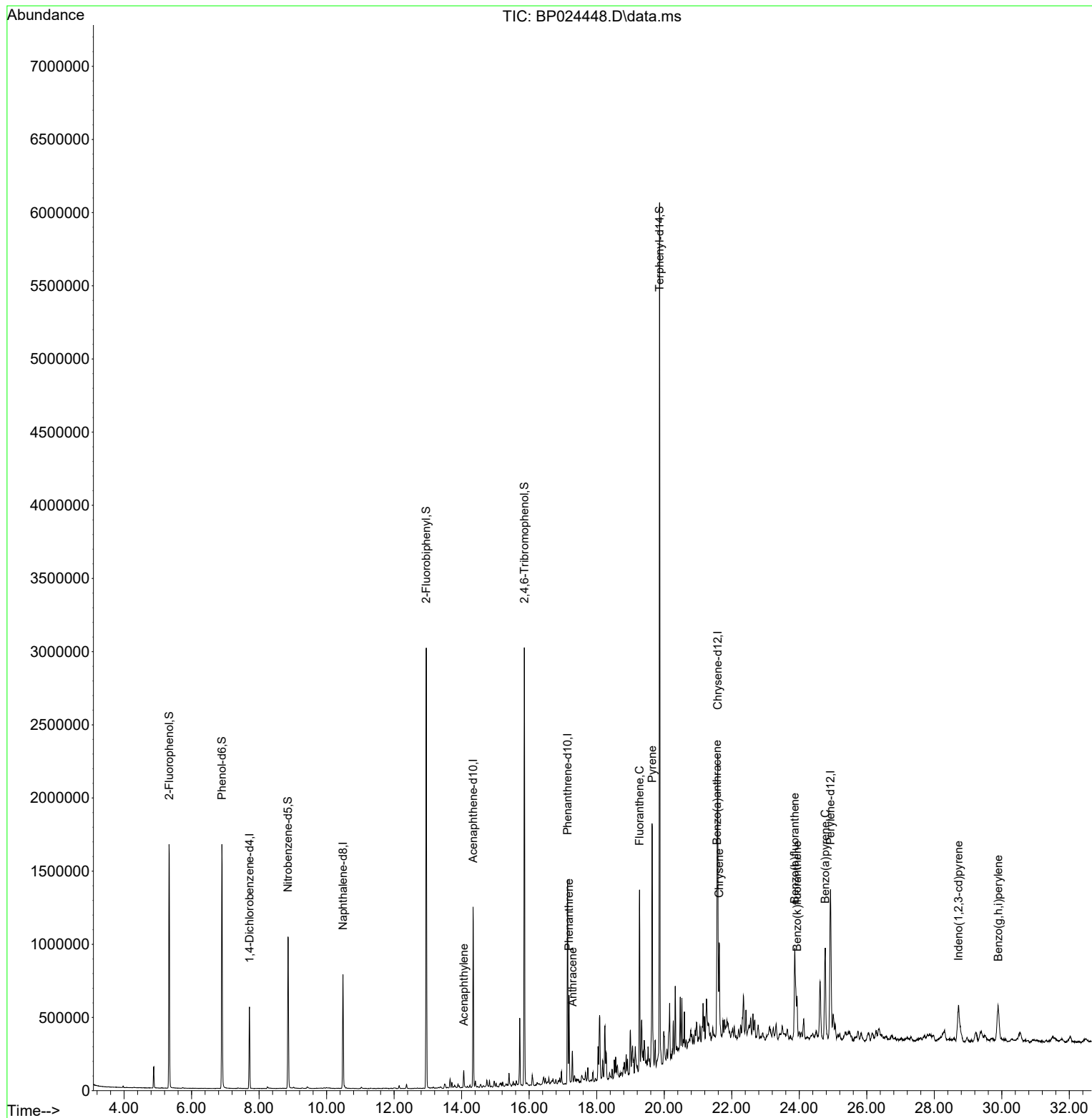
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	151874	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	626483	20.000	ng	#-0.01
39) Acenaphthene-d10	14.340	164	409023	20.000	ng	-0.01
64) Phenanthrene-d10	17.139	188	840458	20.000	ng	# 0.00
76) Chrysene-d12	21.586	240	909549	20.000	ng	0.00
86) Perylene-d12	24.927	264	1099815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	749170	81.562	ng	-0.01
7) Phenol-d6	6.899	99	992472	78.911	ng	-0.01
23) Nitrobenzene-d5	8.857	82	607101	55.257	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	601763	106.336	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1499585	56.135	ng	-0.01
79) Terphenyl-d14	19.863	244	2652449	58.781	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.063	152	86666	2.450	ng	99
71) Phenanthrene	17.181	178	345321	7.532	ng	99
72) Anthracene	17.281	178	139568	3.158	ng	99
75) Fluoranthene	19.269	202	717472	13.157	ng	97
78) Pyrene	19.645	202	1080789	18.698	ng	99
81) Benzo(a)anthracene	21.563	228	526115	9.306	ng	96
83) Chrysene	21.627	228	475221	8.774	ng	97
87) Indeno(1,2,3-cd)pyrene	28.715	276	418496	5.481	ng	100
88) Benzo(b)fluoranthene	23.868	252	699401	10.609	ng	# 97
89) Benzo(k)fluoranthene	23.933	252	226463m	3.556	ng	
90) Benzo(a)pyrene	24.768	252	655740	11.531	ng	98
92) Benzo(g,h,i)perylene	29.892	276	448373	6.951	ng	# 95

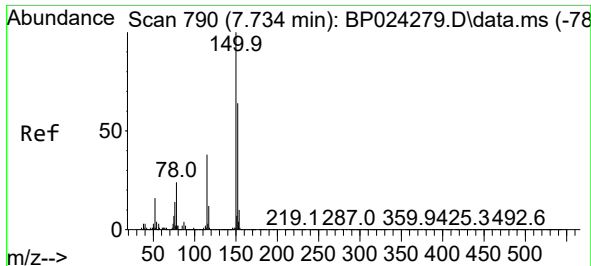
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
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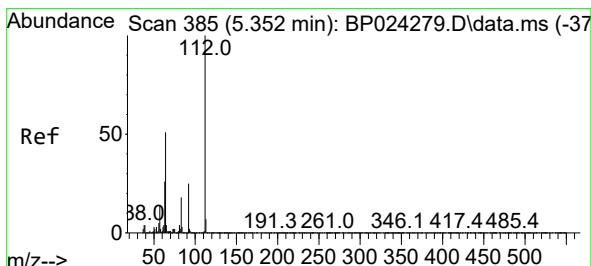
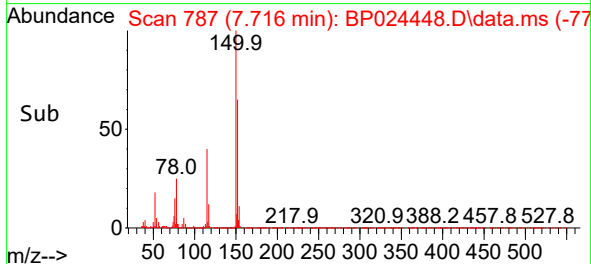
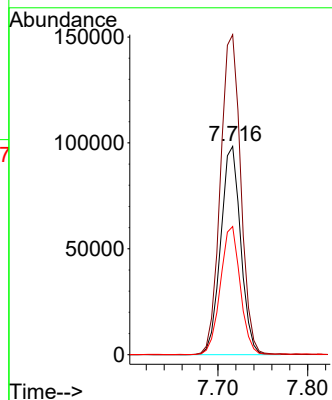
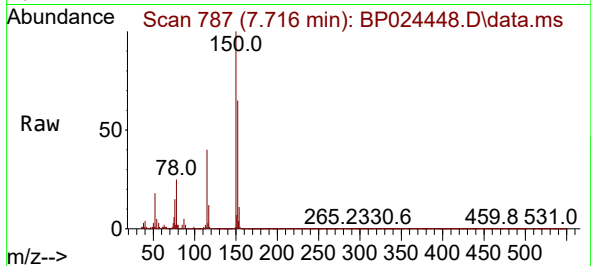




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

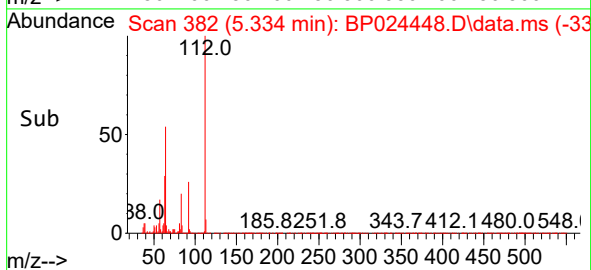
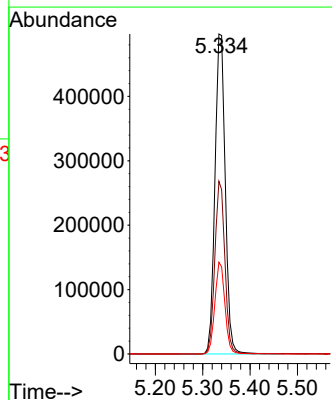
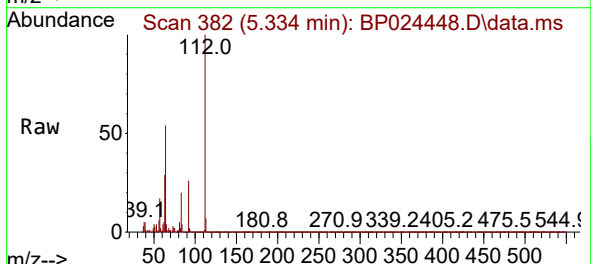
Instrument :
BNA_P
ClientSampleId :
MH-C

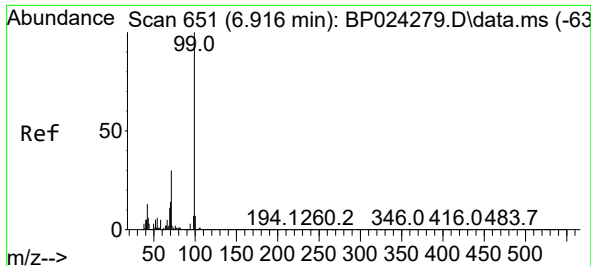
Tgt Ion:152 Resp: 151874
Ion Ratio Lower Upper
152 100
150 153.6 124.9 187.3
115 61.5 47.7 71.5



#5
2-Fluorophenol
Concen: 81.562 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

Tgt Ion:112 Resp: 749170
Ion Ratio Lower Upper
112 100
64 54.0 41.1 61.7
63 28.6 20.6 30.8

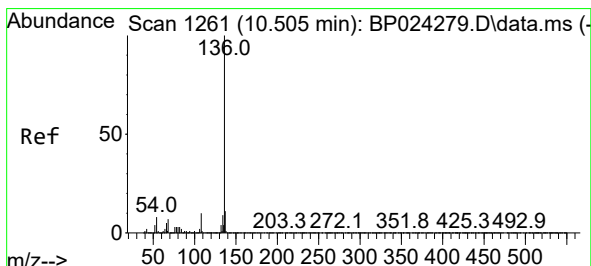
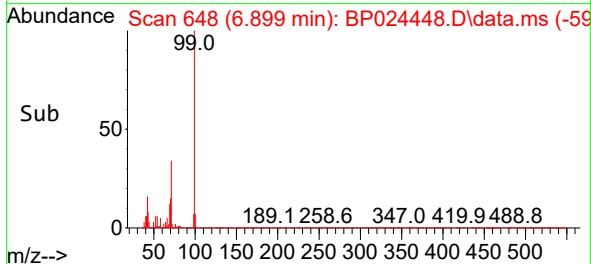
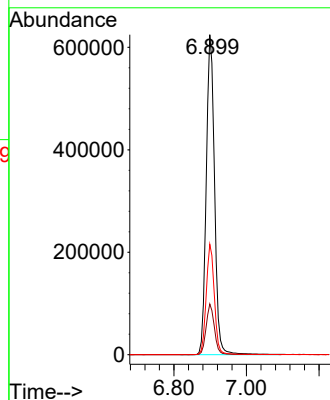
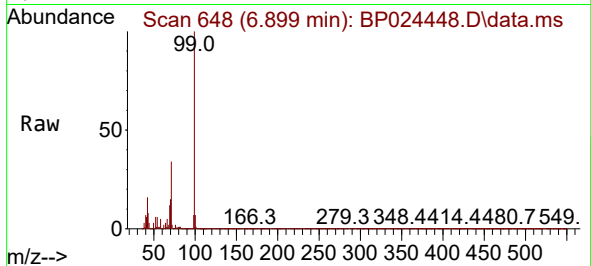




#7
Phenol-d6
Concen: 78.911 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

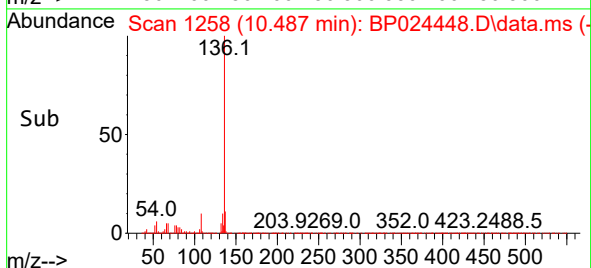
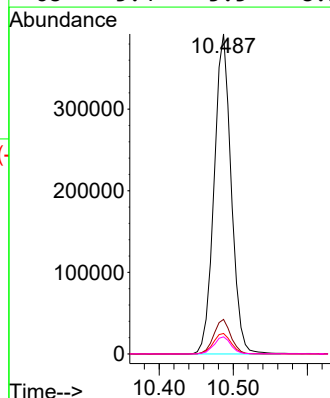
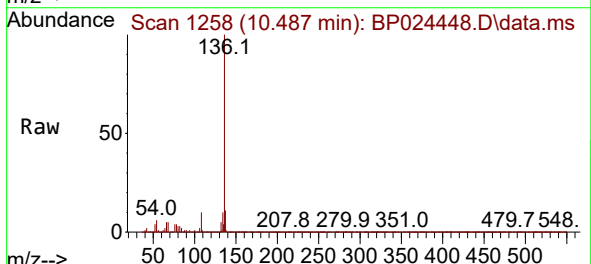
Instrument :
BNA_P
ClientSampleId :
MH-C

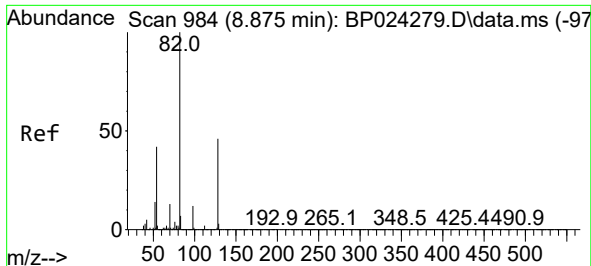
Tgt Ion: 99 Resp: 992472
Ion Ratio Lower Upper
99 100
42 15.9 10.6 16.0
71 34.5 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

Tgt Ion:136 Resp: 626483
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.4 6.0 9.0
68 5.4 5.5 8.3#

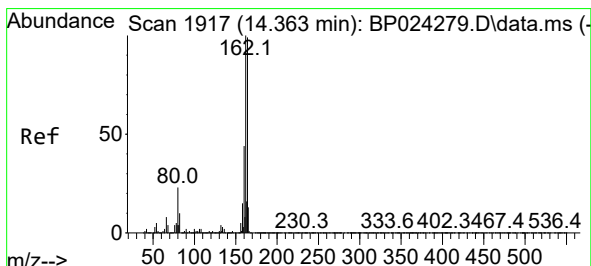
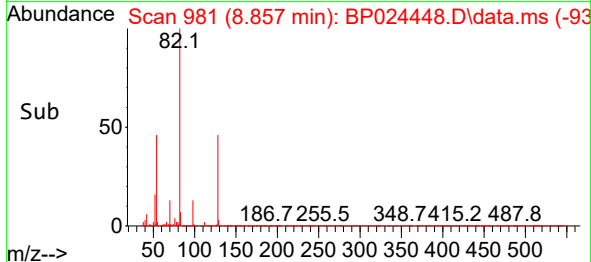
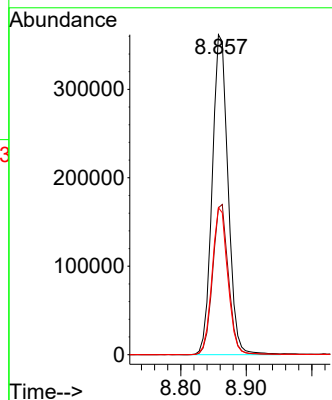
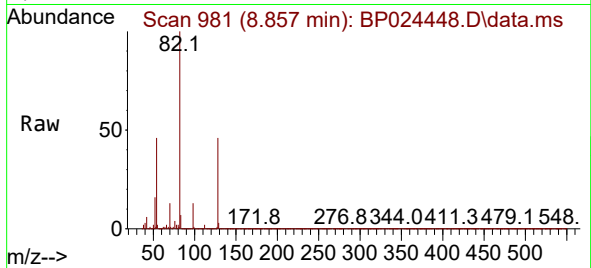




#23
Nitrobenzene-d5
Concen: 55.257 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

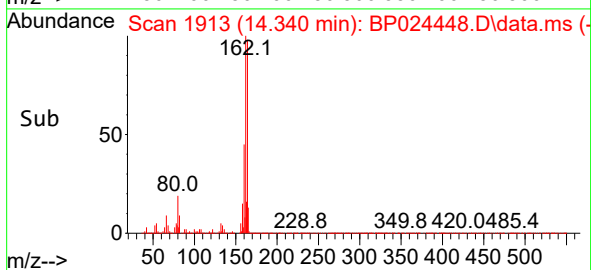
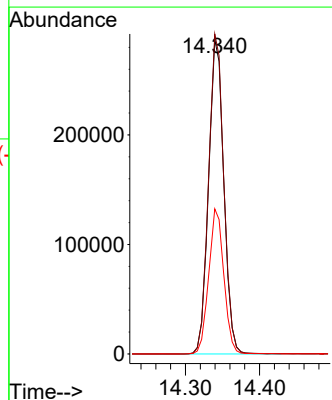
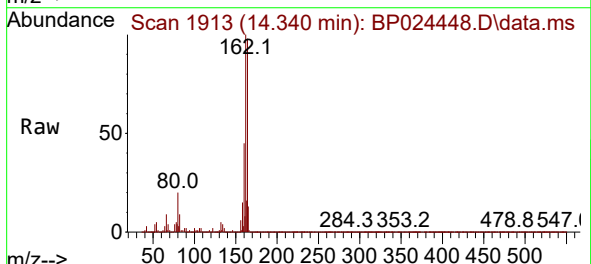
Instrument :
BNA_P
ClientSampleId :
MH-C

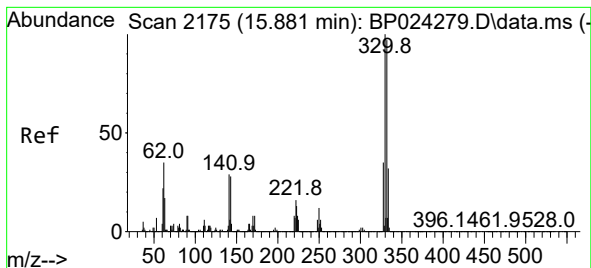
Tgt Ion: 82 Resp: 607101
Ion Ratio Lower Upper
82 100
128 45.9 36.5 54.7
54 46.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

Tgt Ion:164 Resp: 409023
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 46.1 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 106.336 ng

RT: 15.857 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

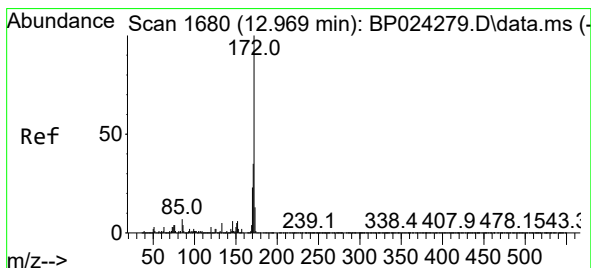
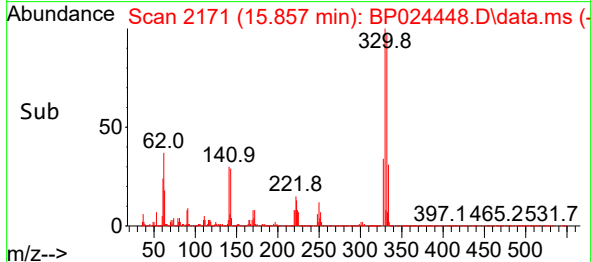
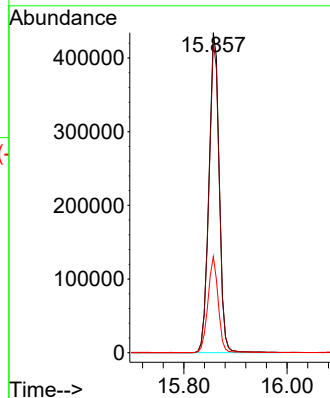
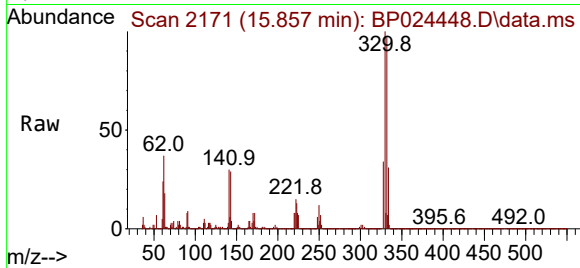
Tgt Ion:330 Resp: 601763

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 29.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 56.135 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

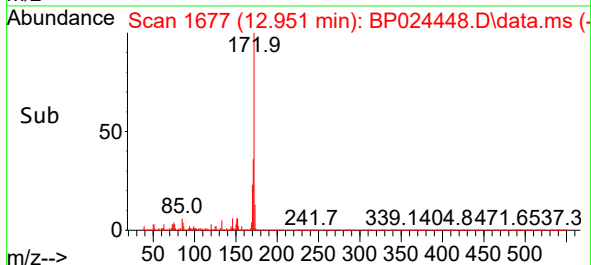
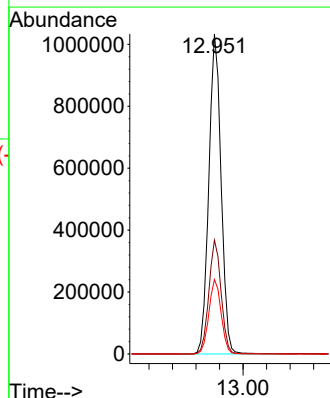
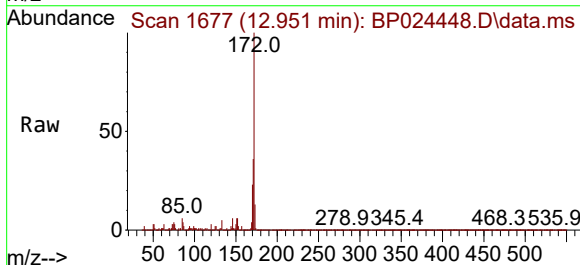
Tgt Ion:172 Resp: 1499585

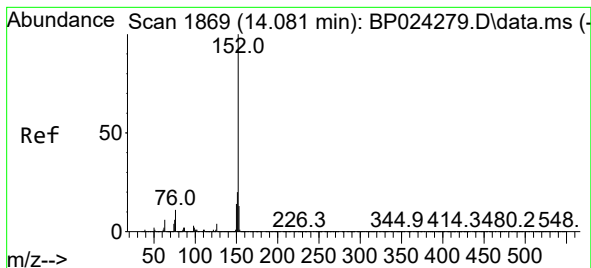
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.2 18.6 27.8





#49

Acenaphthylene

Concen: 2.450 ng

RT: 14.063 min Scan# 1866

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

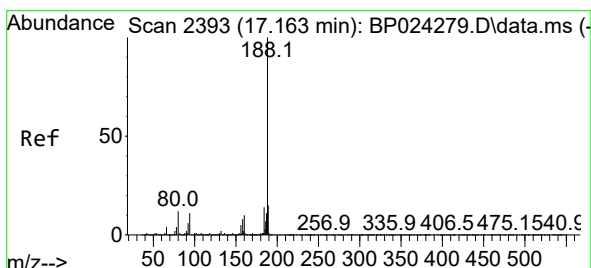
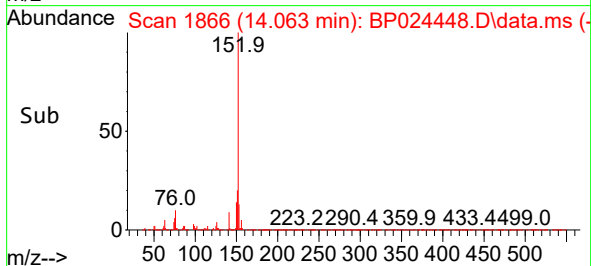
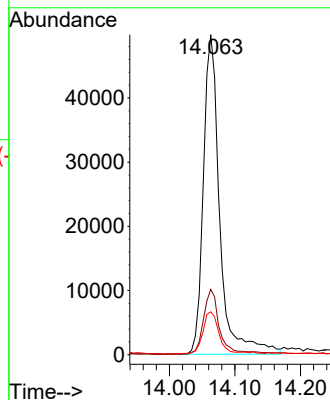
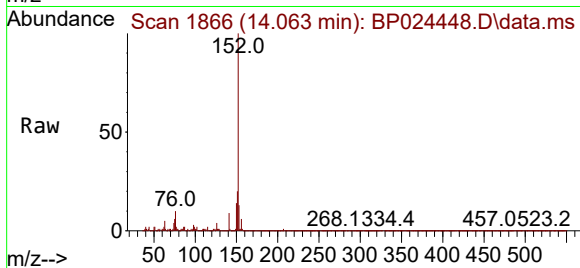
Tgt Ion:152 Resp: 86666

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 13.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2389

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

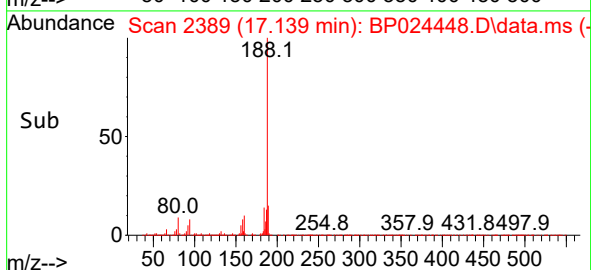
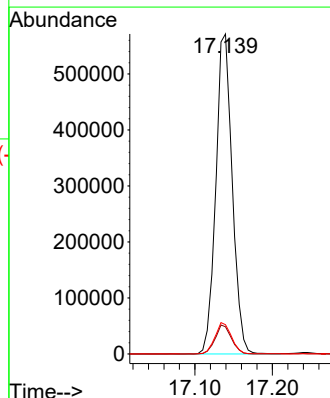
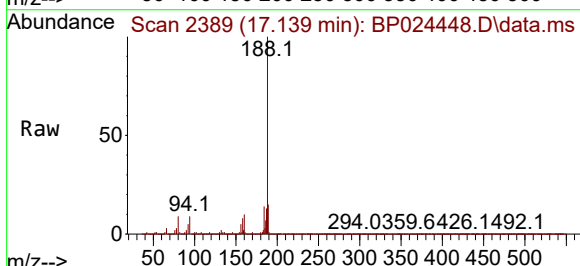
Tgt Ion:188 Resp: 840458

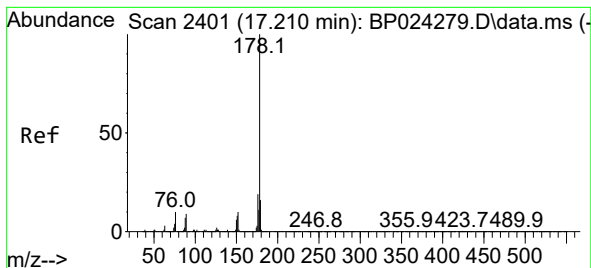
Ion Ratio Lower Upper

188 100

94 8.5 8.6 13.0#

80 9.1 9.8 14.6#





#71

Phenanthrene

Concen: 7.532 ng

RT: 17.181 min Scan# 2413

Delta R.T. -0.012 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

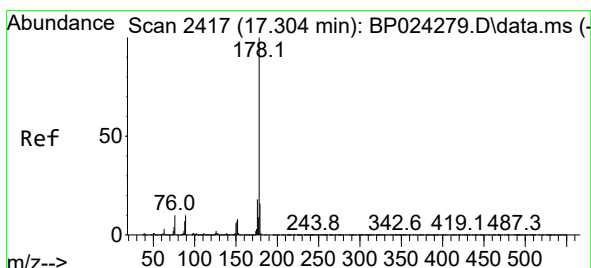
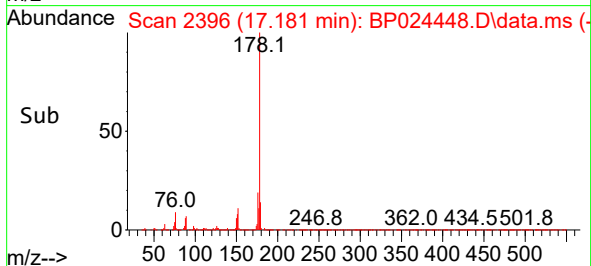
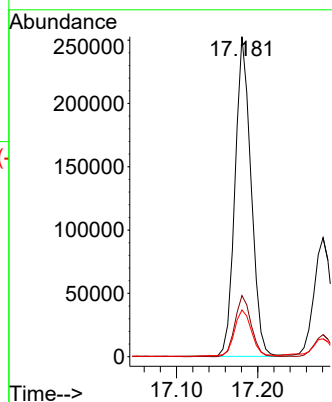
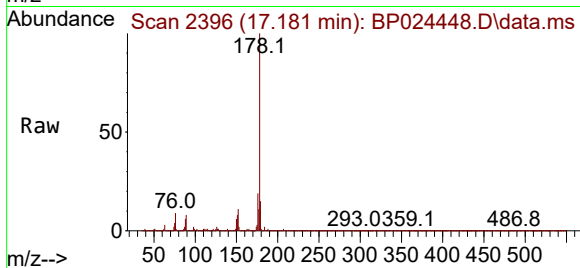
Tgt Ion:178 Resp: 345321

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 14.6 12.5 18.7



#72

Anthracene

Concen: 3.158 ng

RT: 17.281 min Scan# 2413

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

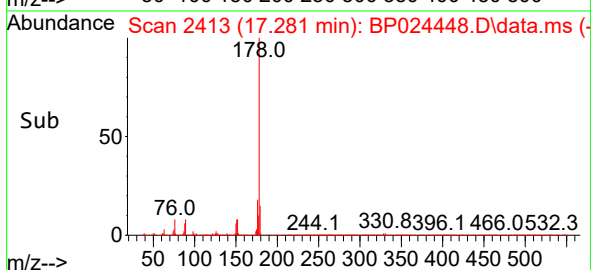
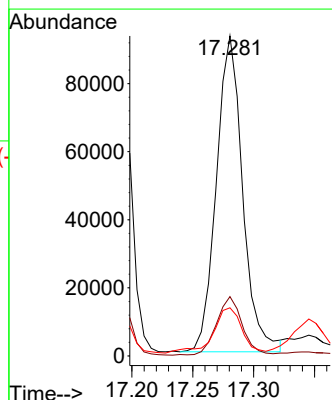
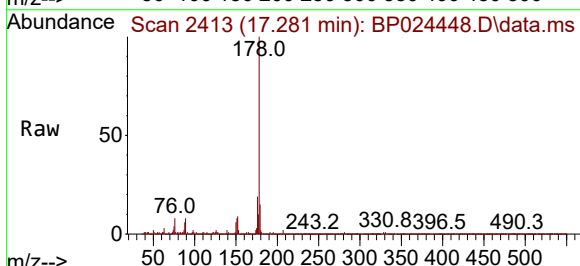
Tgt Ion:178 Resp: 139568

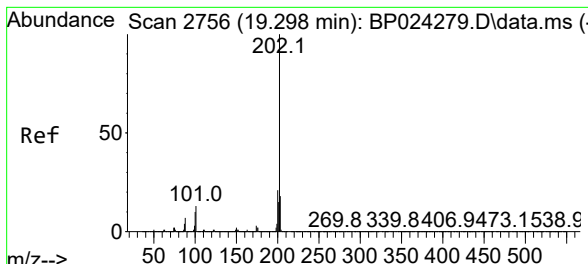
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.1 12.4 18.6

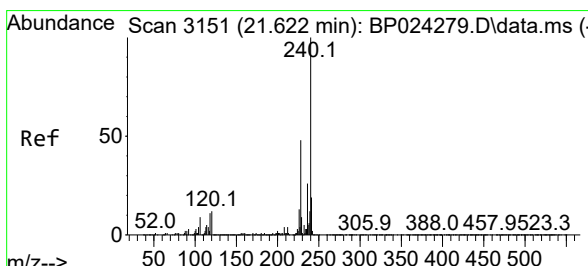
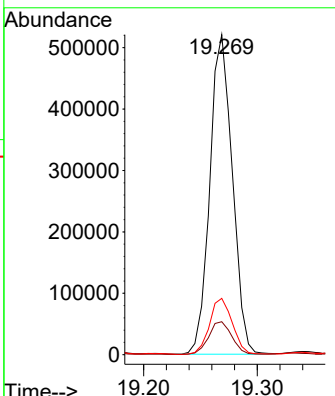
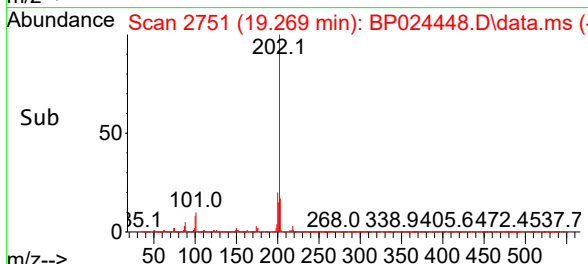
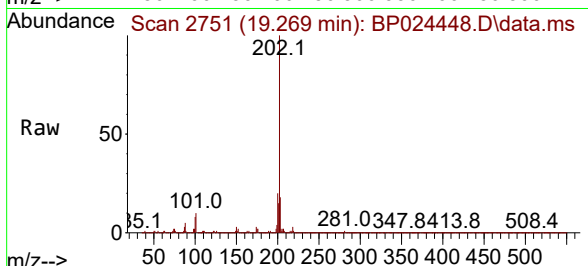




#75
 Fluoranthene
 Concen: 13.157 ng
 RT: 19.269 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP024448.D
 Acq: 28 Apr 2025 22:28

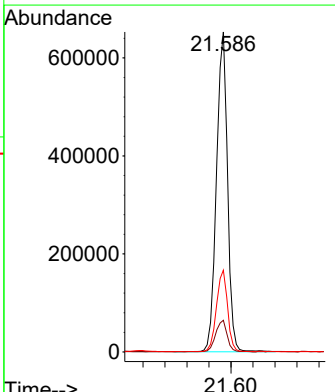
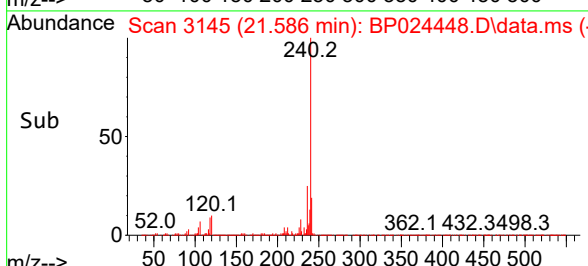
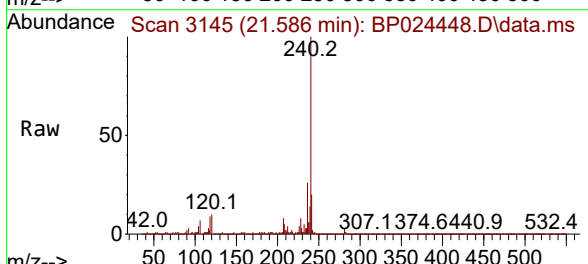
Instrument :
 BNA_P
 ClientSampleId :
 MH-C

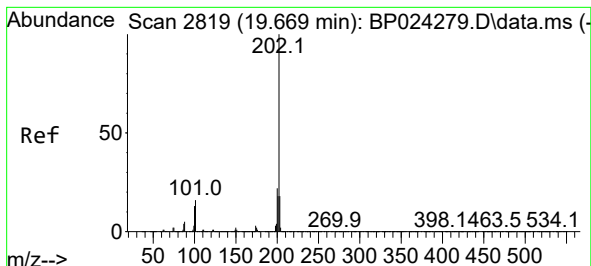
Tgt Ion:	202	Resp:	717472
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	33.2
203	17.6	0.0	37.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.586 min Scan# 3145
 Delta R.T. -0.006 min
 Lab File: BP024448.D
 Acq: 28 Apr 2025 22:28

Tgt Ion:	240	Resp:	909549
Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.8	14.8
236	25.6	20.9	31.3





#78

Pyrene

Concen: 18.698 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

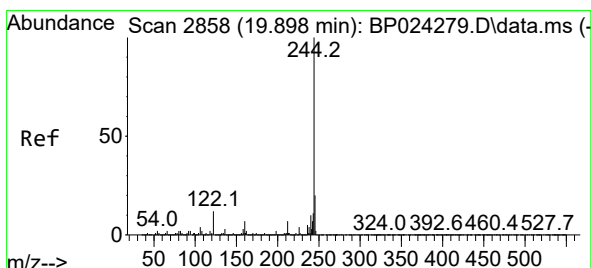
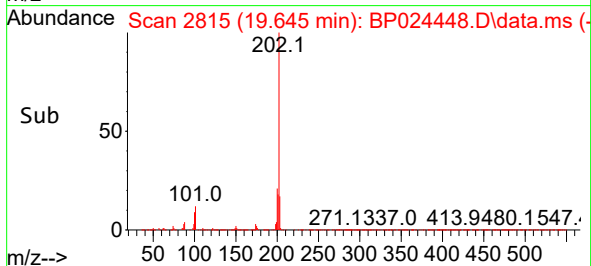
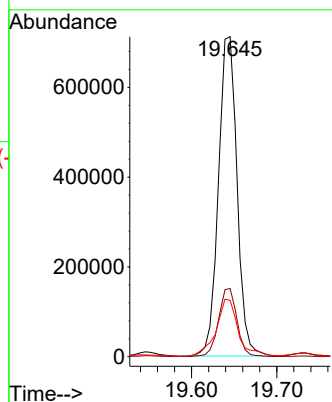
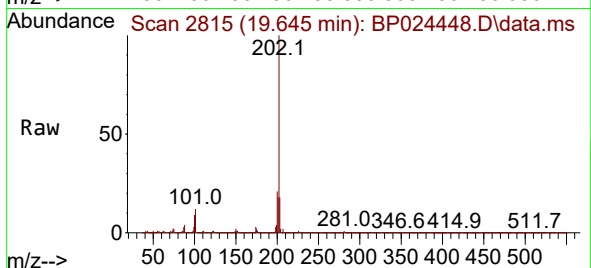
Tgt Ion:202 Resp: 1080789

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 14.4 21.6



#79

Terphenyl-d14

Concen: 58.781 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.012 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

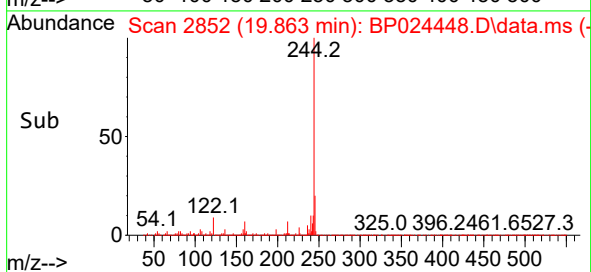
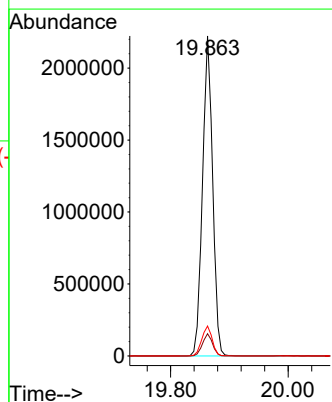
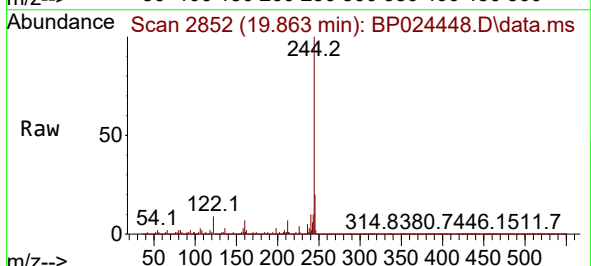
Tgt Ion:244 Resp: 2652449

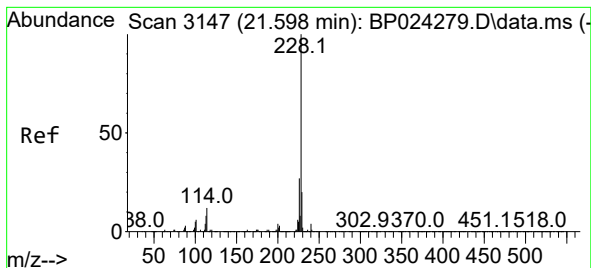
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.3 9.4 14.0#





#81

Benzo(a)anthracene

Concen: 9.306 ng

RT: 21.563 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

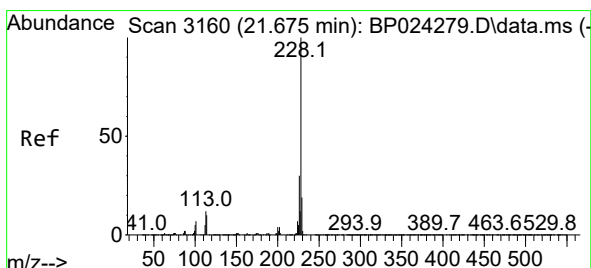
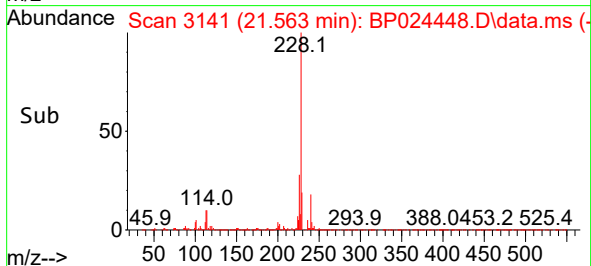
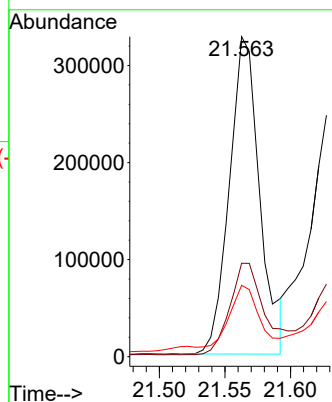
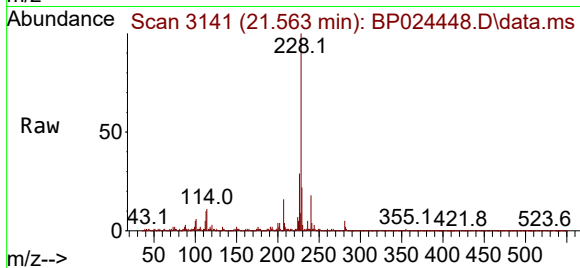
Tgt Ion:228 Resp: 526115

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 22.3 15.9 23.9



#83

Chrysene

Concen: 8.774 ng

RT: 21.627 min Scan# 3152

Delta R.T. -0.012 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

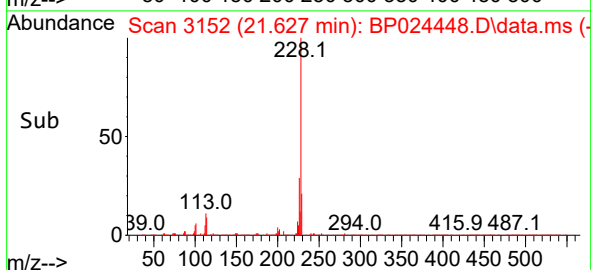
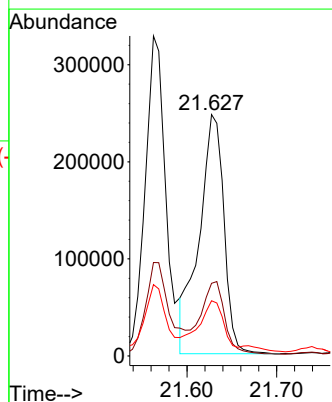
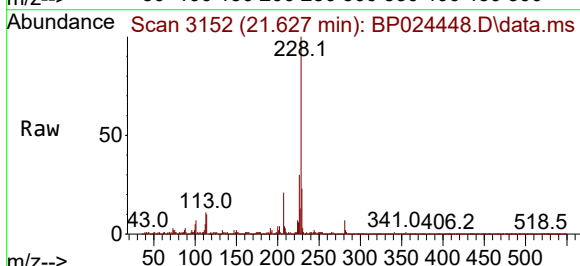
Tgt Ion:228 Resp: 475221

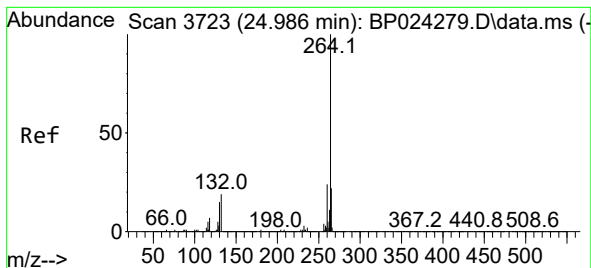
Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.927 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

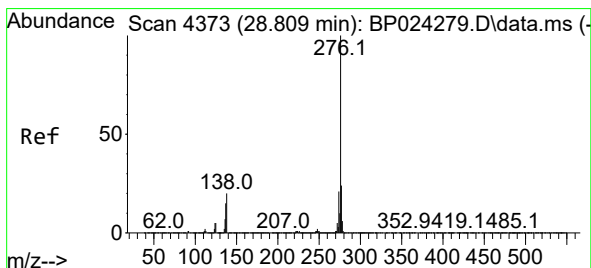
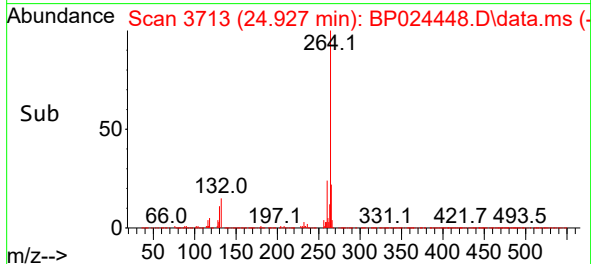
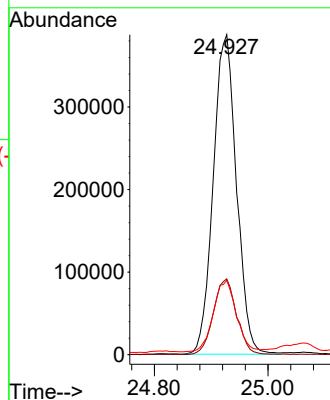
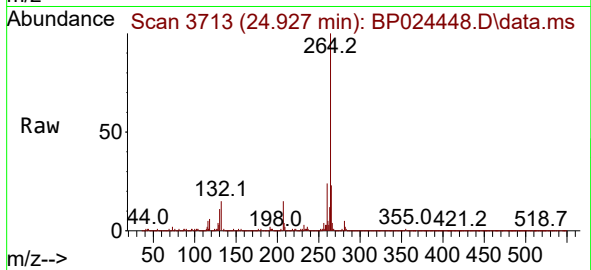
Tgt Ion:264 Resp: 1099815

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 23.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.481 ng

RT: 28.715 min Scan# 4357

Delta R.T. -0.023 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

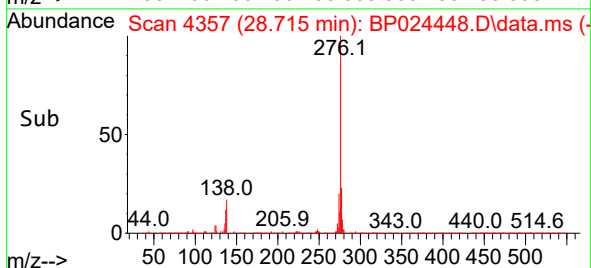
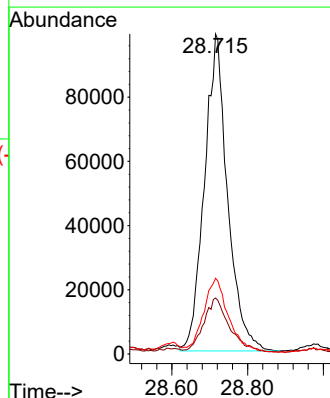
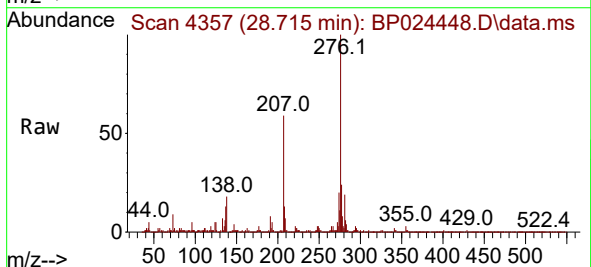
Tgt Ion:276 Resp: 418496

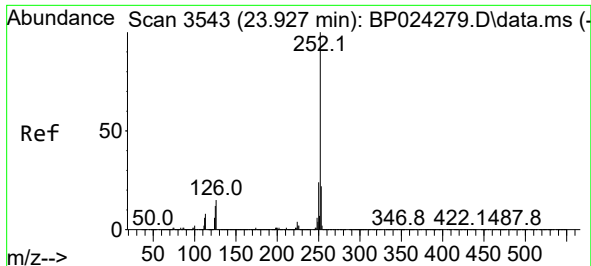
Ion Ratio Lower Upper

276 100

138 18.5 14.5 21.7

277 25.2 20.2 30.2

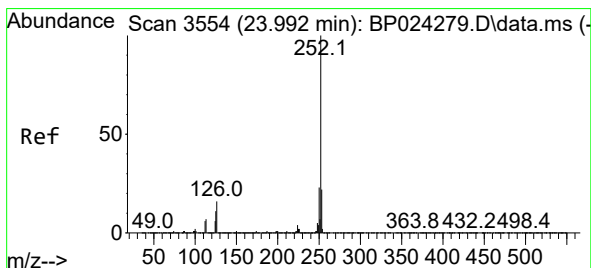
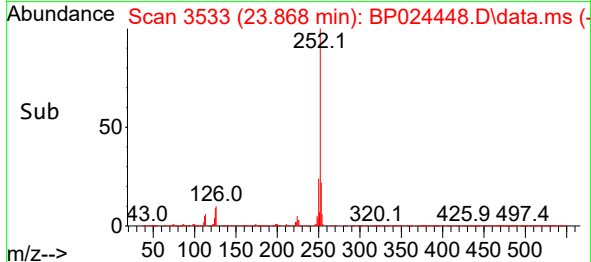
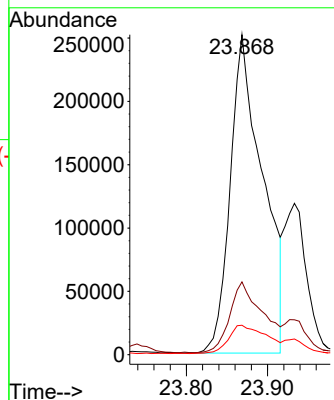
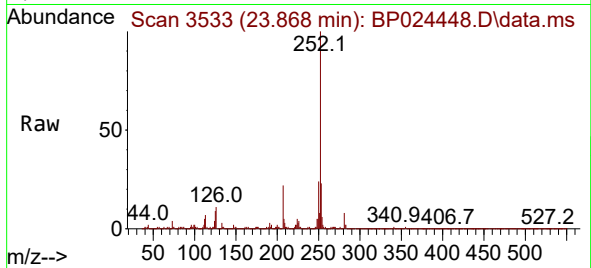




#88
Benzo(b)fluoranthene
Concen: 10.609 ng
RT: 23.868 min Scan# 3533
Delta R.T. -0.018 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

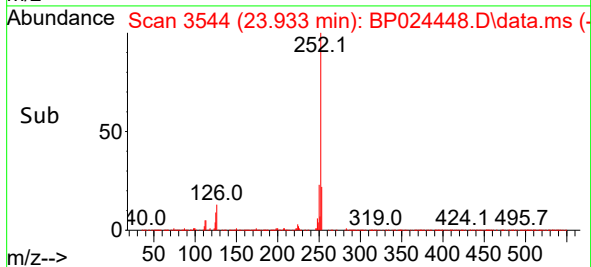
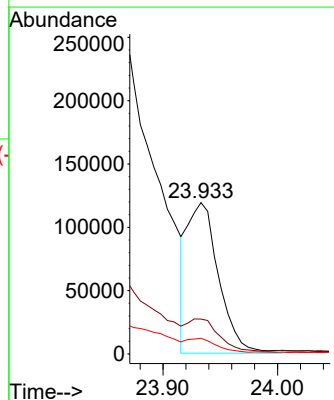
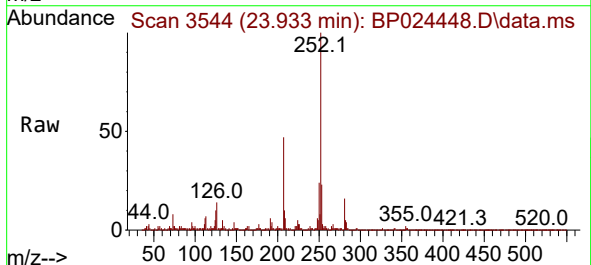
Instrument :
BNA_P
ClientSampleId :
MH-C

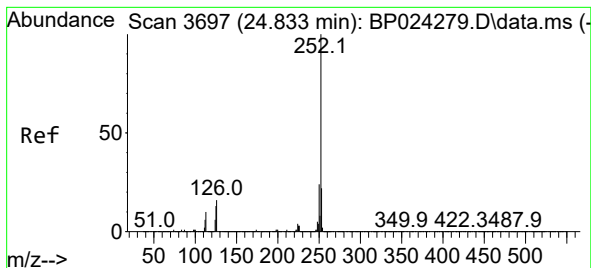
Tgt Ion:252 Resp: 699401
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.2 9.4 14.0#



#89
Benzo(k)fluoranthene
Concen: 3.556 ng m
RT: 23.933 min Scan# 3544
Delta R.T. -0.023 min
Lab File: BP024448.D
Acq: 28 Apr 2025 22:28

Tgt Ion:252 Resp: 226463
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.3 9.1 13.7





#90

Benzo(a)pyrene

Concen: 11.531 ng

RT: 24.768 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Instrument :

BNA_P

ClientSampleId :

MH-C

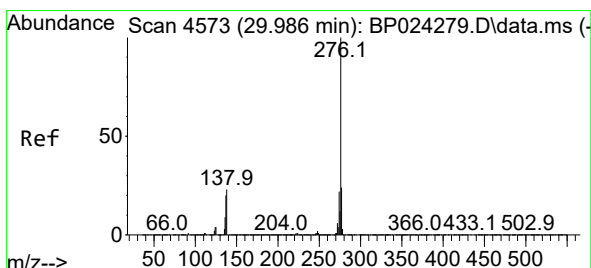
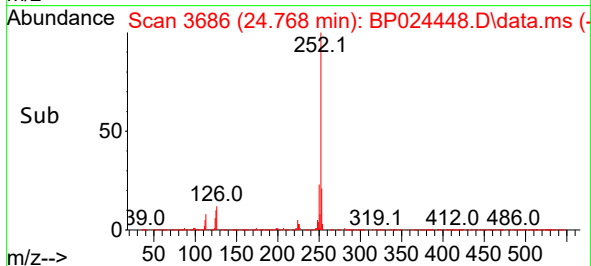
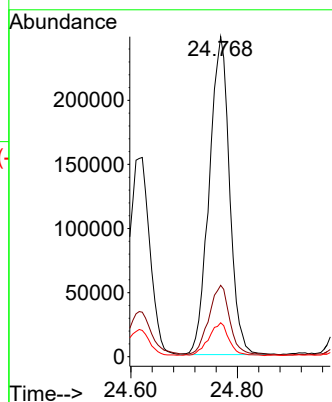
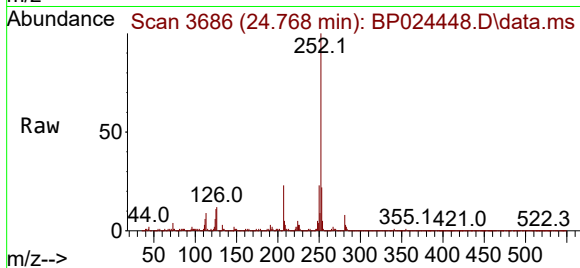
Tgt Ion:252 Resp: 655740

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.6 10.1 15.1



#92

Benzo(g,h,i)perylene

Concen: 6.951 ng

RT: 29.892 min Scan# 4557

Delta R.T. -0.006 min

Lab File: BP024448.D

Acq: 28 Apr 2025 22:28

Tgt Ion:276 Resp: 448373

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 18.5 18.7 28.1#

