

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
 Data File : BP024450.D
 Acq On : 28 Apr 2025 23:49
 Operator : RC/JU
 Sample : Q1896-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 295-BERGEN-RO

Quant Time: Apr 29 01:26:40 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)

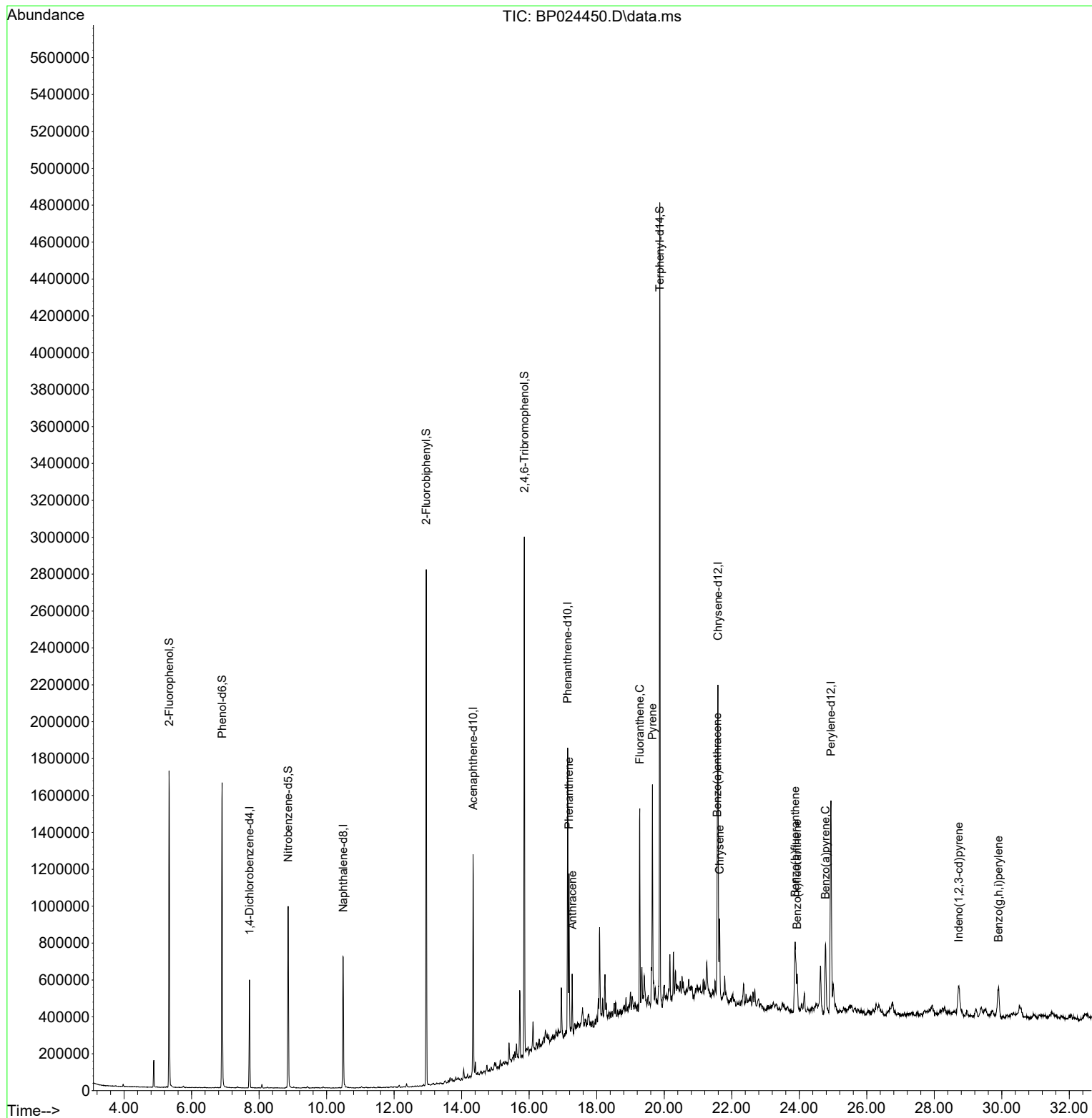
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	154345	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	643452	20.000	ng	# 0.00
39) Acenaphthene-d10	14.340	164	405395	20.000	ng	-0.01
64) Phenanthrene-d10	17.139	188	797016	20.000	ng	0.00
76) Chrysene-d12	21.592	240	925888	20.000	ng	# 0.00
86) Perylene-d12	24.939	264	1145925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	759118	81.322	ng	-0.01
7) Phenol-d6	6.905	99	998810	78.143	ng	0.00
23) Nitrobenzene-d5	8.863	82	581516	51.533	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	546041	97.353	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1310173	49.483	ng	-0.01
79) Terphenyl-d14	19.869	244	2089173	45.481	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.181	178	472295	10.862	ng	99
72) Anthracene	17.275	178	165815	3.957	ng	99
75) Fluoranthene	19.275	202	652529	12.619	ng	96
78) Pyrene	19.651	202	684448	11.632	ng	99
81) Benzo(a)anthracene	21.569	228	361664	6.284	ng	99
83) Chrysene	21.639	228	333207	6.043	ng	97
87) Indeno(1,2,3-cd)pyrene	28.721	276	285472	3.588	ng	100
88) Benzo(b)fluoranthene	23.880	252	470042	6.843	ng	98
89) Benzo(k)fluoranthene	23.939	252	155340m	2.341	ng	
90) Benzo(a)pyrene	24.780	252	402978	6.801	ng	97
92) Benzo(g,h,i)perylene	29.903	276	279047	4.152	ng	95

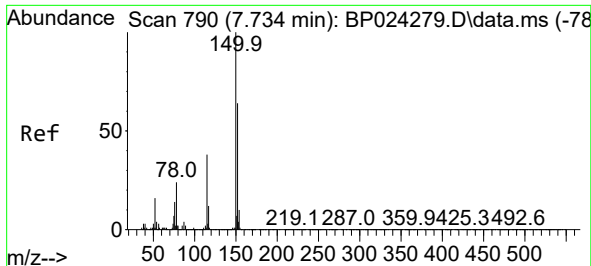
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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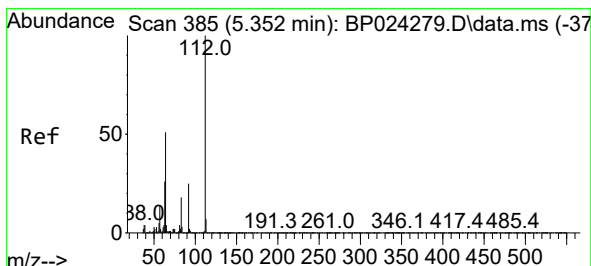
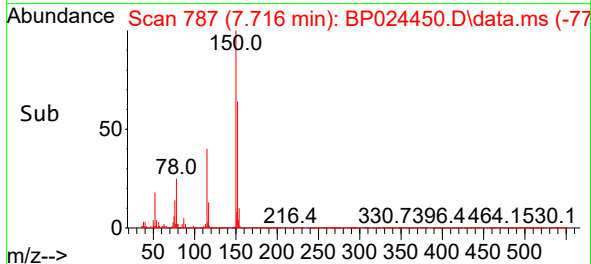
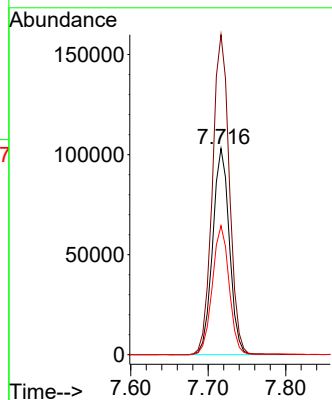
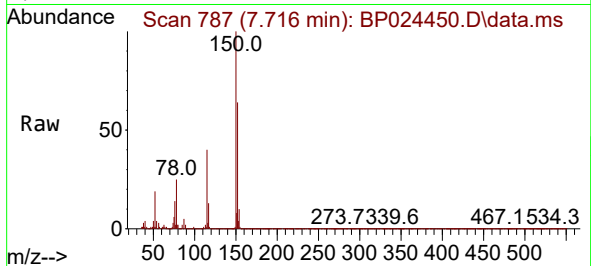




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

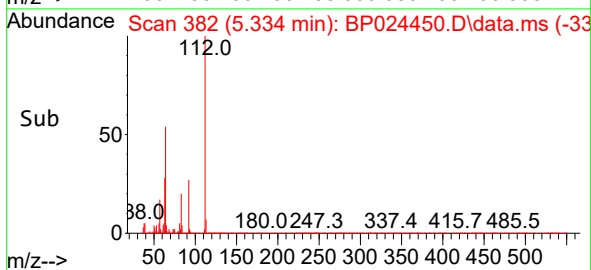
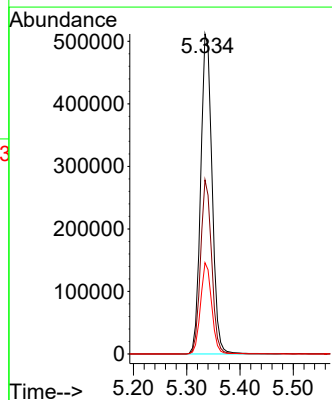
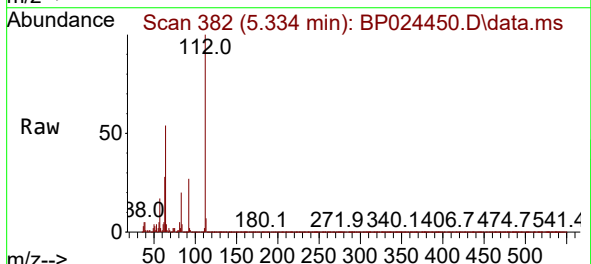
Instrument :
BNA_P
ClientSampleId :
295-BERGEN-RO

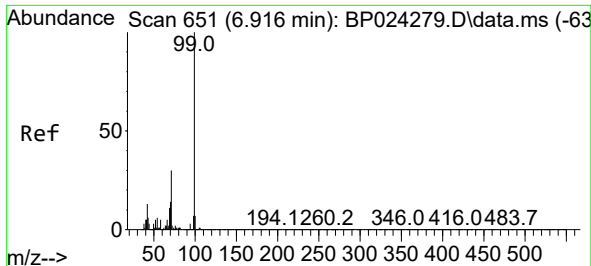
Tgt Ion:152 Resp: 154345
Ion Ratio Lower Upper
152 100
150 155.2 124.9 187.3
115 62.5 47.7 71.5



#5
2-Fluorophenol
Concen: 81.322 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

Tgt Ion:112 Resp: 759118
Ion Ratio Lower Upper
112 100
64 54.4 41.1 61.7
63 28.5 20.6 30.8

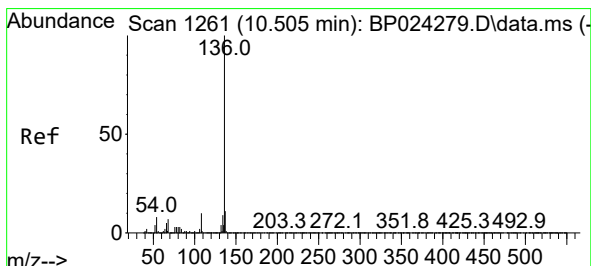
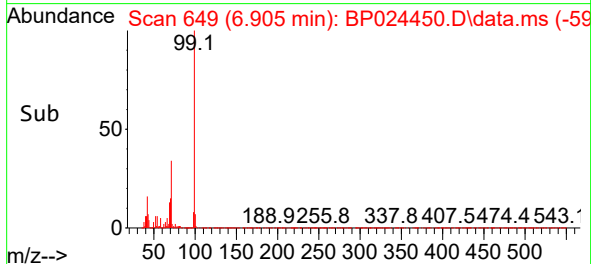
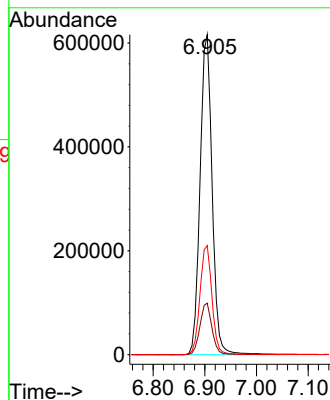
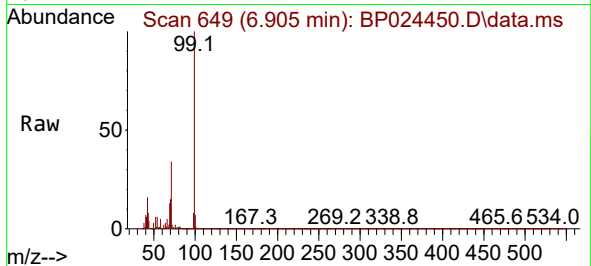




#7
Phenol-d6
Concen: 78.143 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

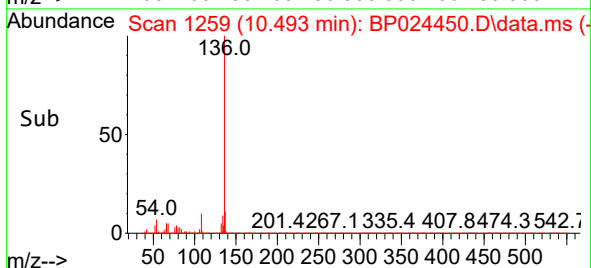
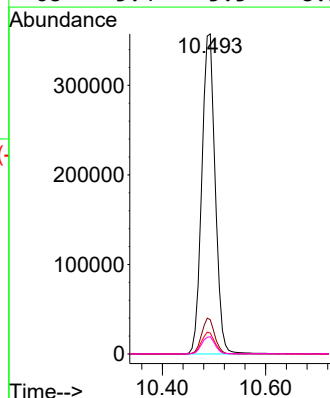
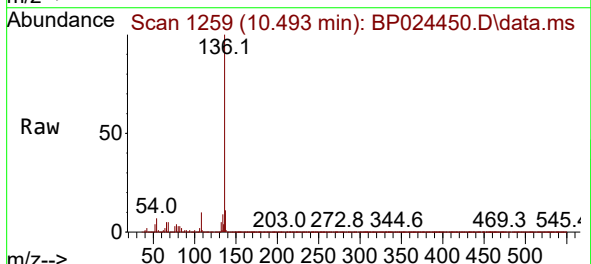
Instrument :
BNA_P
ClientSampleId :
295-BERGEN-RO

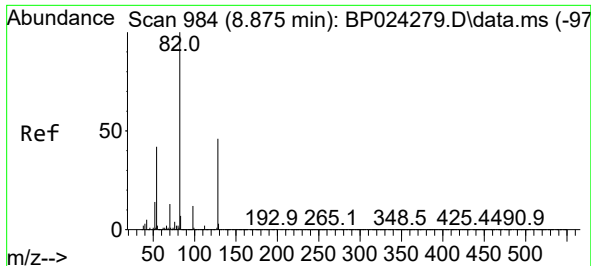
Tgt Ion: 99 Resp: 998810
Ion Ratio Lower Upper
99 100
42 16.1 10.6 16.0#
71 34.1 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

Tgt Ion: 136 Resp: 643452
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 6.6 6.0 9.0
68 5.4 5.5 8.3#

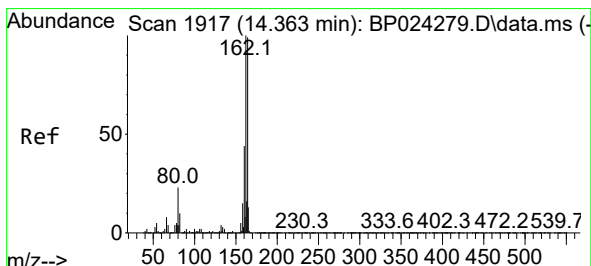
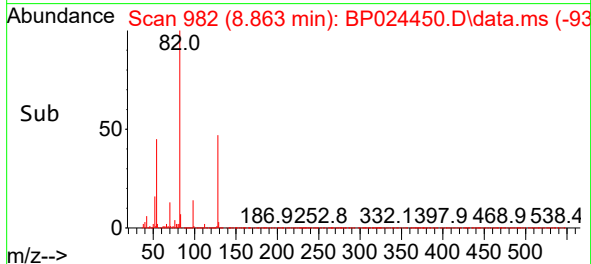
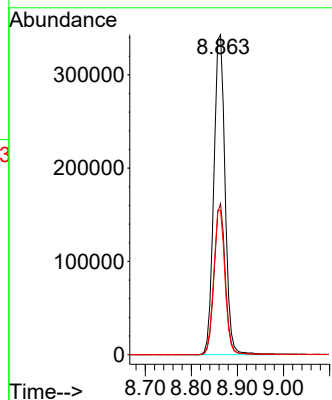
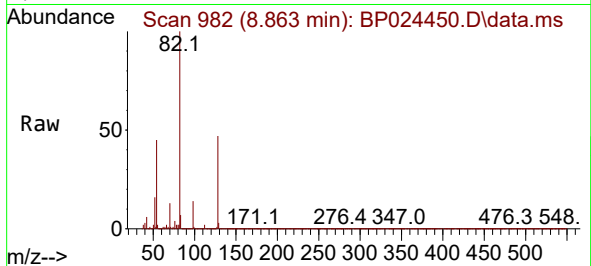




#23
Nitrobenzene-d5
Concen: 51.533 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

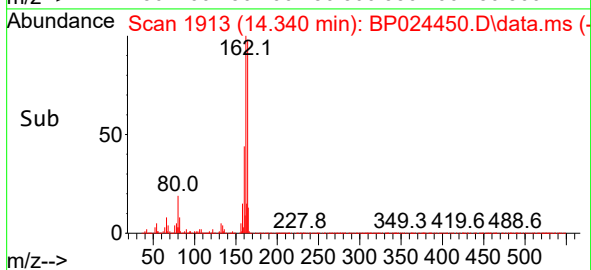
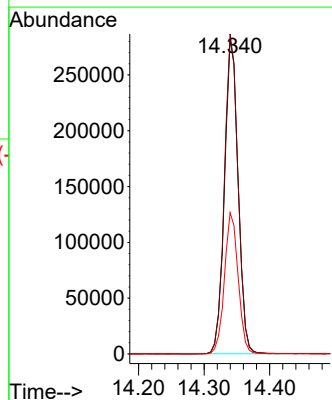
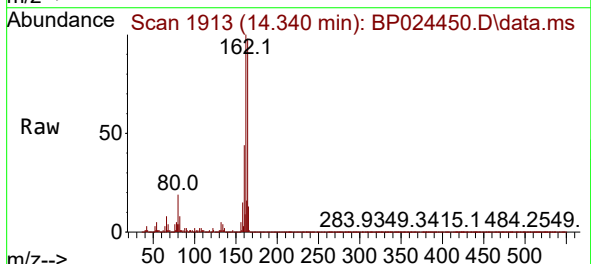
Instrument :
BNA_P
ClientSampleId :
295-BERGEN-RO

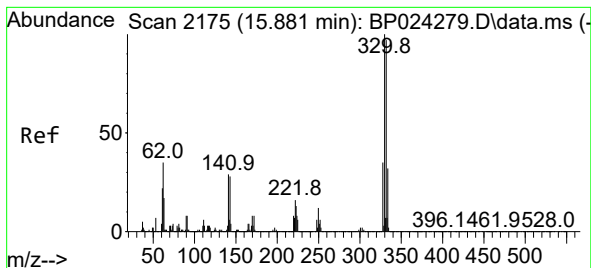
Tgt Ion: 82 Resp: 581516
Ion Ratio Lower Upper
82 100
128 47.2 36.5 54.7
54 45.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

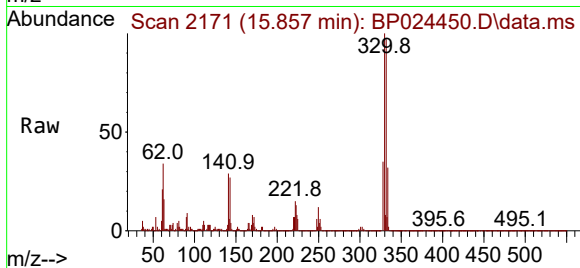
Tgt Ion: 164 Resp: 405395
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 44.9 35.3 52.9



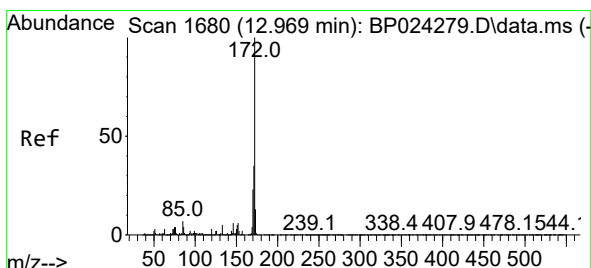
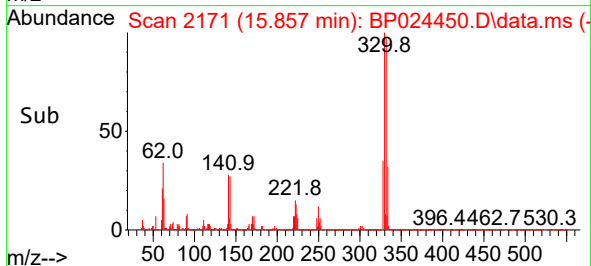
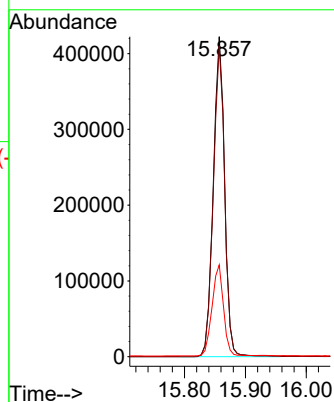


#42
2,4,6-Tribromophenol
Concen: 97.353 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

Instrument :
BNA_P
ClientSampleId :
295-BERGEN-RO

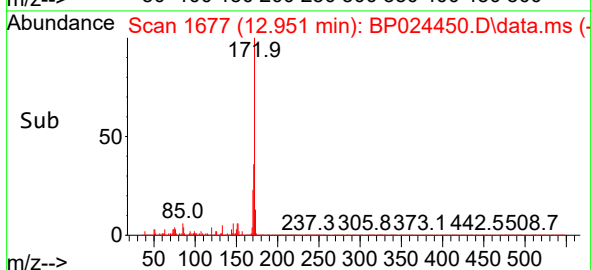
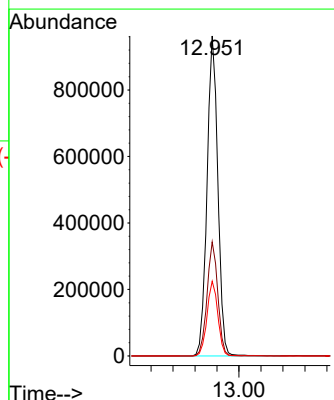
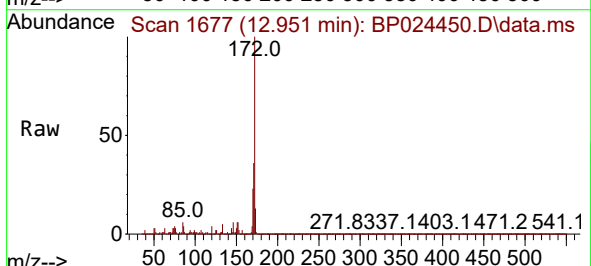


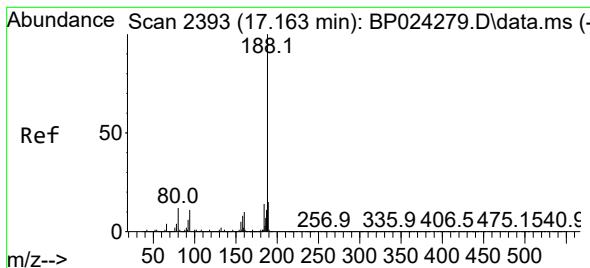
Tgt Ion: 330 Resp: 546041
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 28.6 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 49.483 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BP024450.D
Acq: 28 Apr 2025 23:49

Tgt Ion: 172 Resp: 1310173
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.3 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO

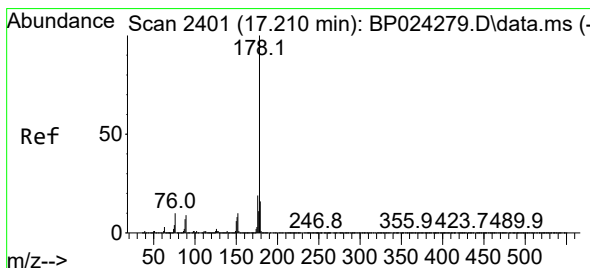
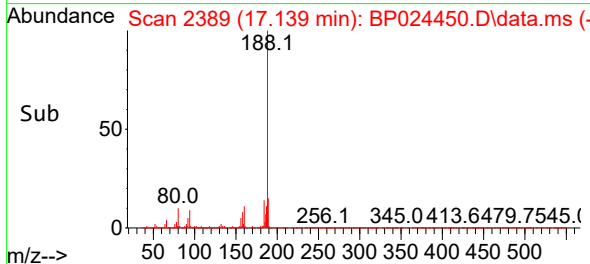
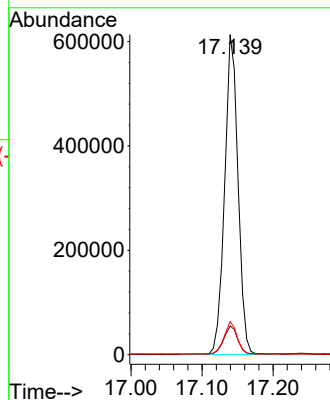
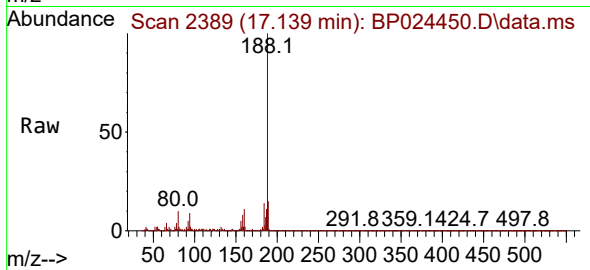
Tgt Ion:188 Resp: 797016

Ion Ratio Lower Upper

188 100

94 9.0 8.6 13.0

80 10.3 9.8 14.6



#71

Phenanthrene

Concen: 10.862 ng

RT: 17.181 min Scan# 2396

Delta R.T. -0.012 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

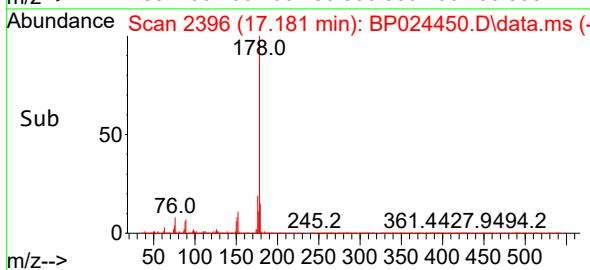
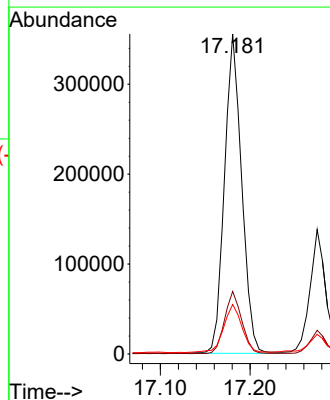
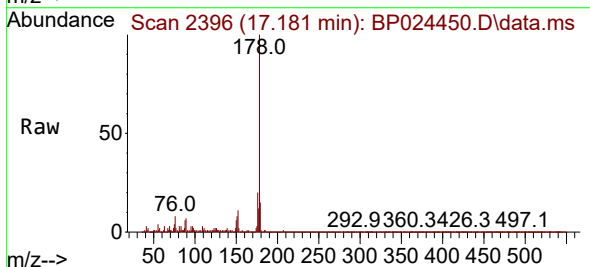
Tgt Ion:178 Resp: 472295

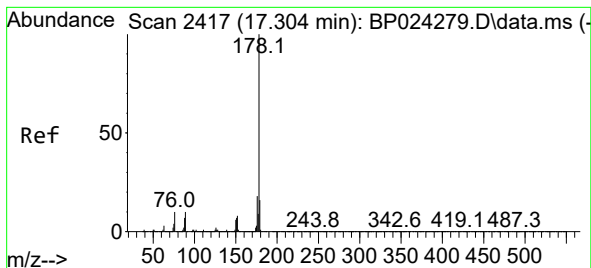
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.4 12.5 18.7





#72

Anthracene

Concen: 3.957 ng

RT: 17.275 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO

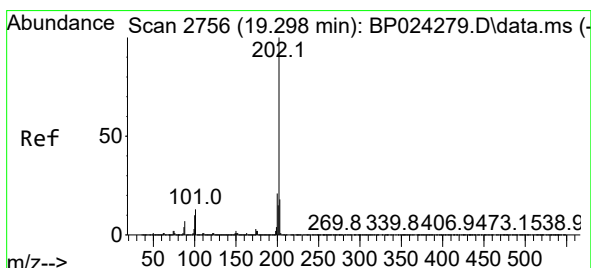
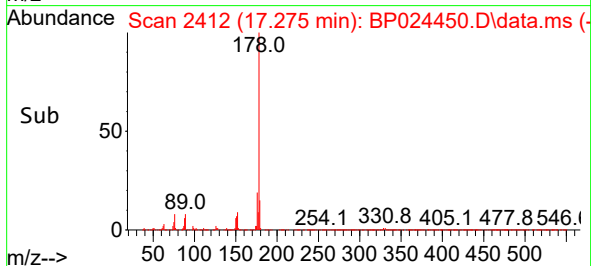
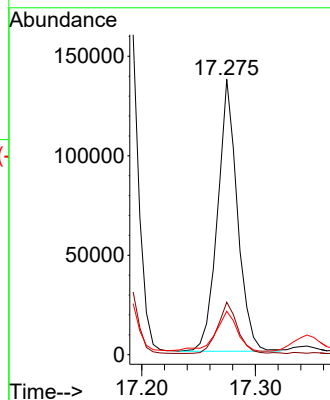
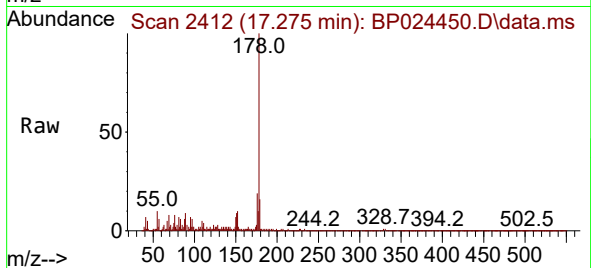
Tgt Ion:178 Resp: 165815

Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

179 15.8 12.4 18.6



#75

Fluoranthene

Concen: 12.619 ng

RT: 19.275 min Scan# 2752

Delta R.T. -0.006 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

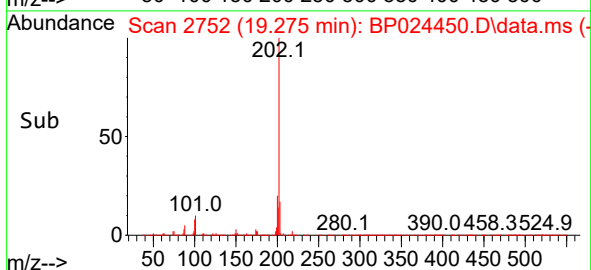
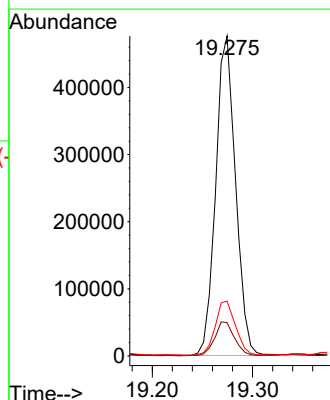
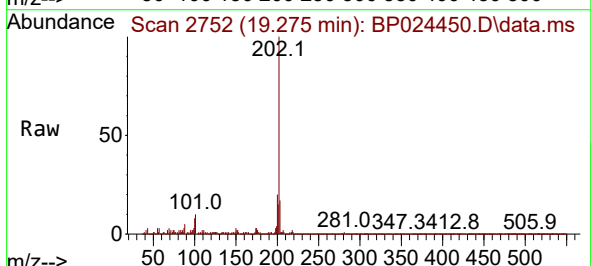
Tgt Ion:202 Resp: 652529

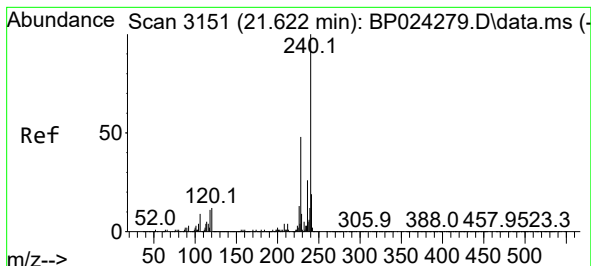
Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.2

203 17.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.592 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

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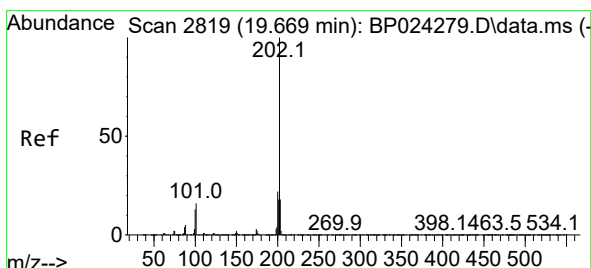
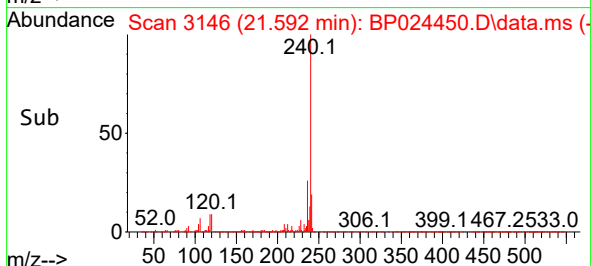
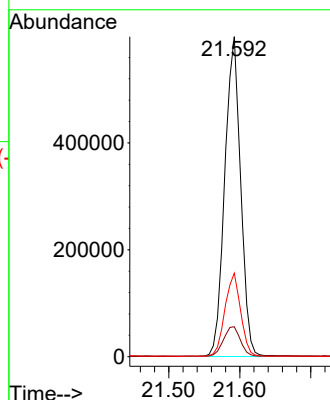
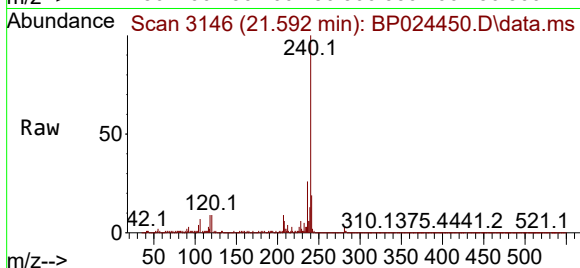
Tgt Ion:240 Resp: 925888

Ion Ratio Lower Upper

240 100

120 9.4 9.8 14.8#

236 26.1 20.9 31.3



#78

Pyrene

Concen: 11.632 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

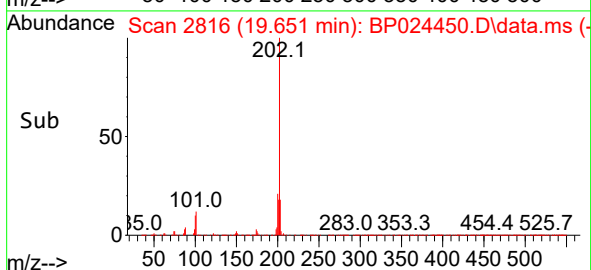
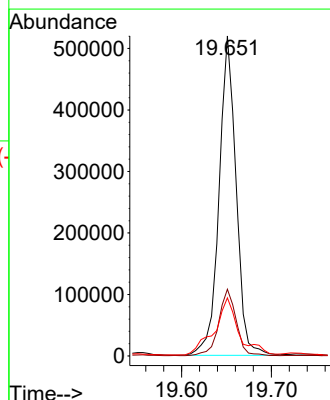
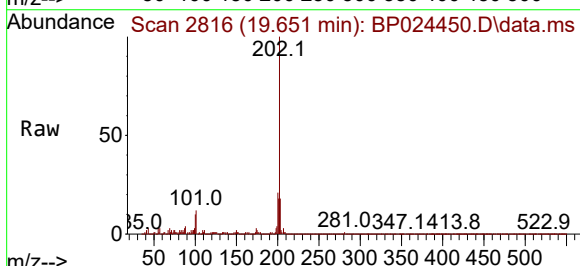
Tgt Ion:202 Resp: 684448

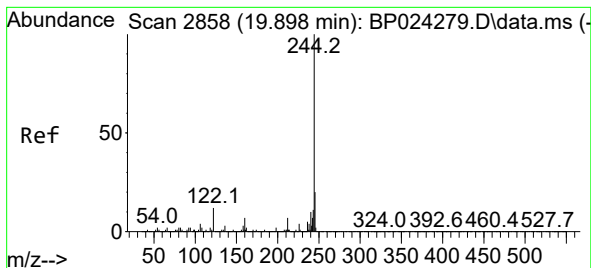
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 45.481 ng

RT: 19.869 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

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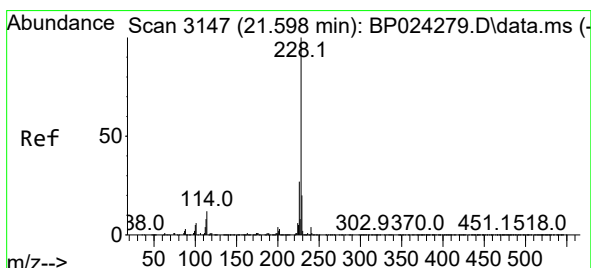
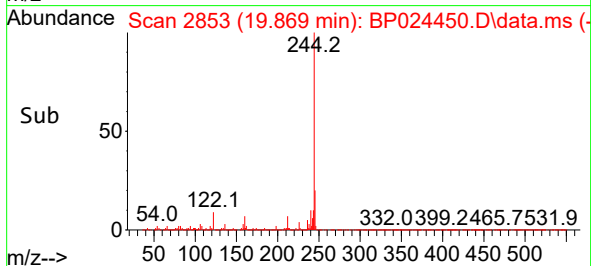
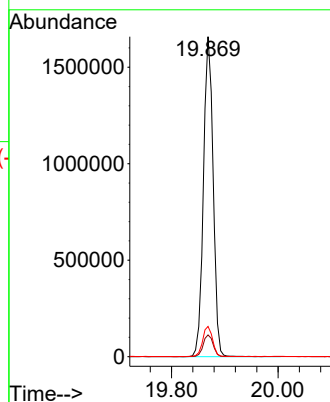
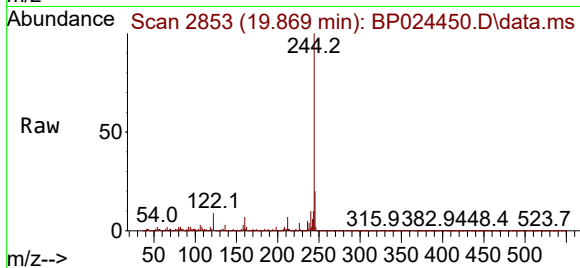
Tgt Ion:244 Resp: 2089173

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.4 9.4 14.0



#81

Benzo(a)anthracene

Concen: 6.284 ng

RT: 21.569 min Scan# 3142

Delta R.T. 0.000 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

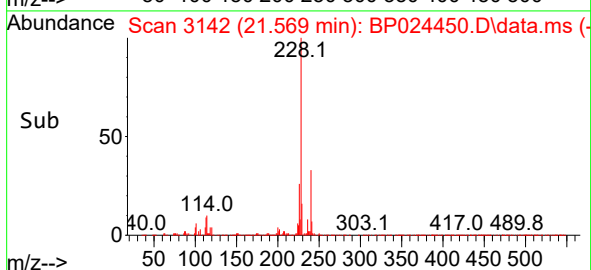
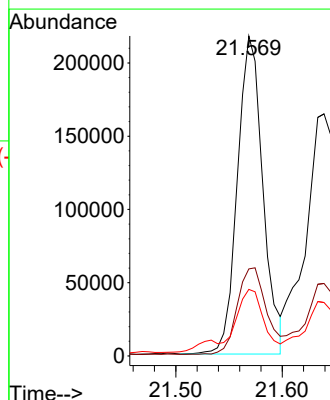
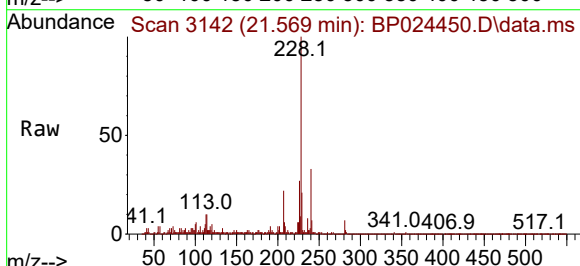
Tgt Ion:228 Resp: 361664

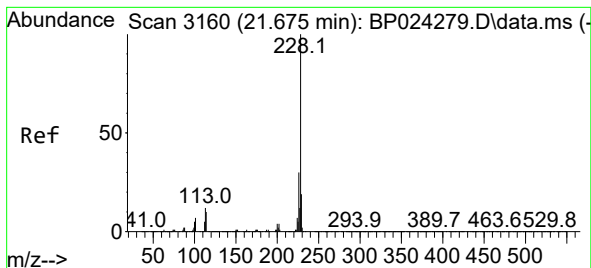
Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 20.8 15.9 23.9





#83

Chrysene

Concen: 6.043 ng

RT: 21.639 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO

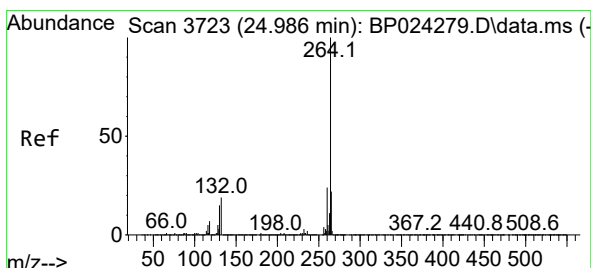
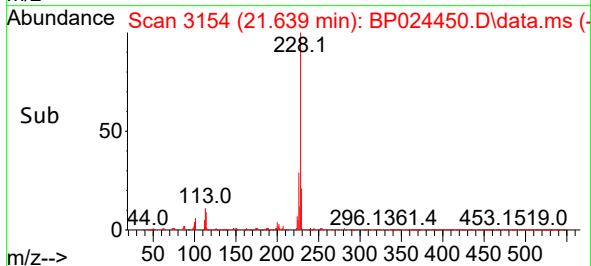
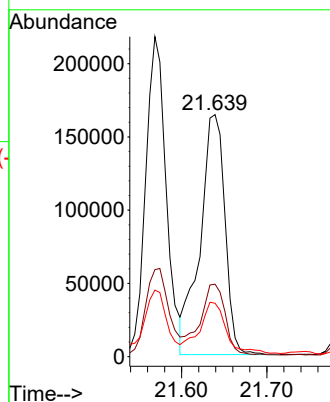
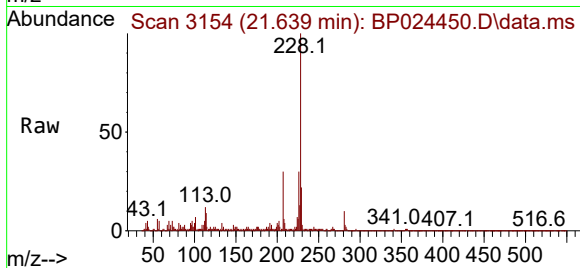
Tgt Ion:228 Resp: 333207

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 22.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 3715

Delta R.T. 0.006 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

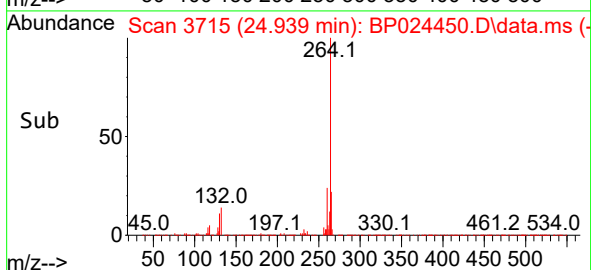
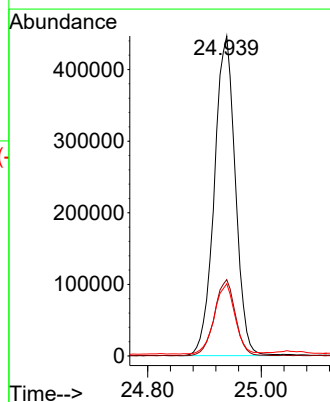
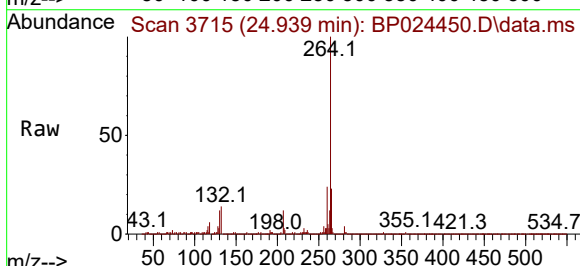
Tgt Ion:264 Resp: 1145925

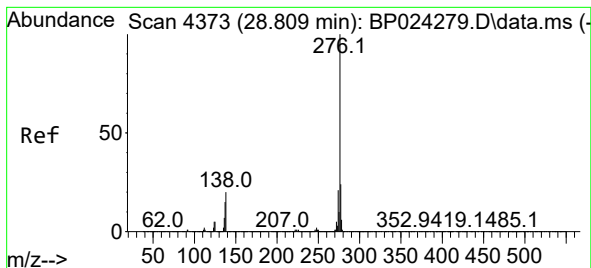
Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.588 ng

RT: 28.721 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO

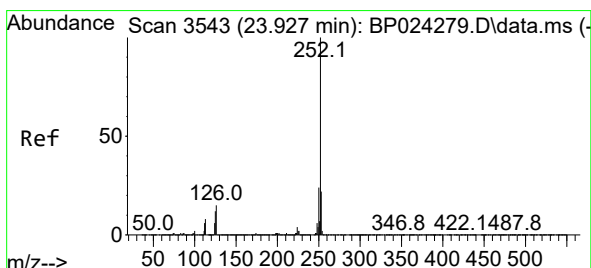
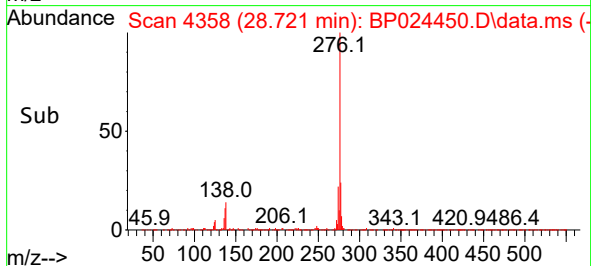
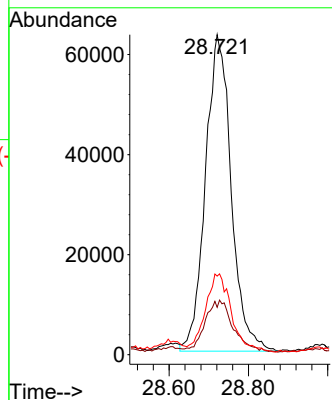
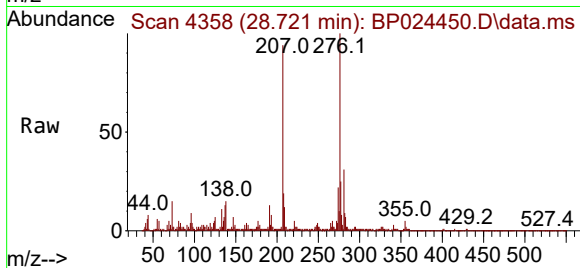
Tgt Ion:276 Resp: 285472

Ion Ratio Lower Upper

276 100

138 18.1 14.5 21.7

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.843 ng

RT: 23.880 min Scan# 3535

Delta R.T. -0.006 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

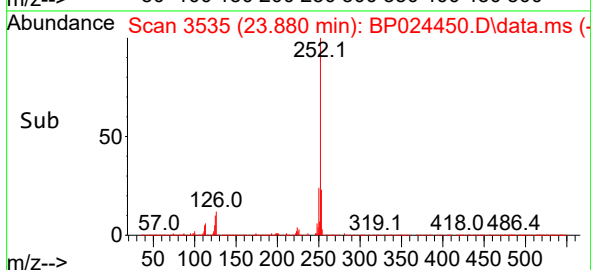
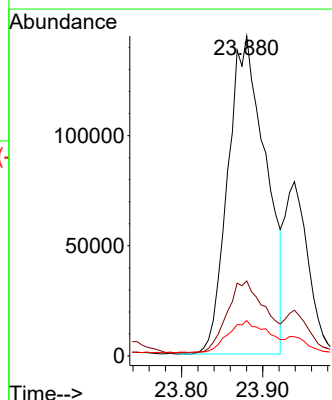
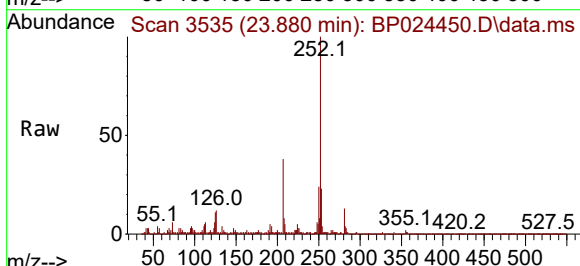
Tgt Ion:252 Resp: 470042

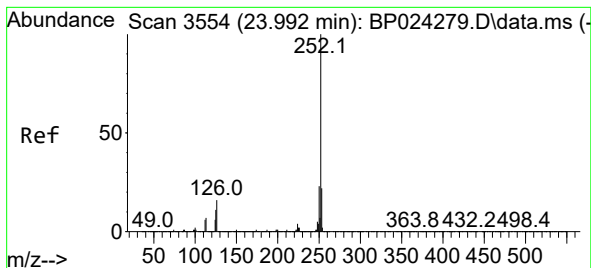
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.1 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 2.341 ng m

RT: 23.939 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO

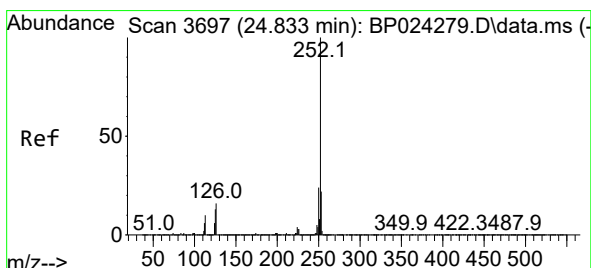
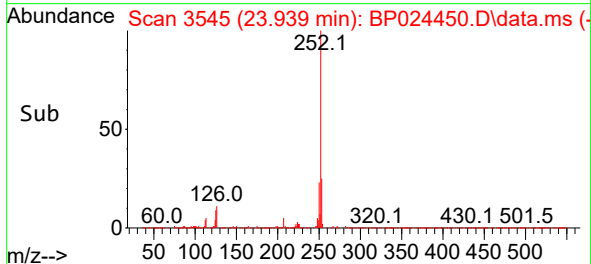
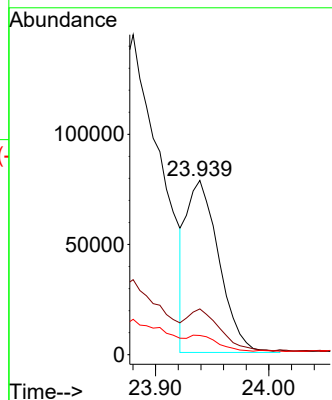
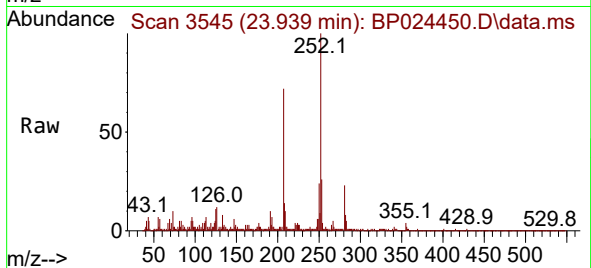
Tgt Ion:252 Resp: 155340

Ion Ratio Lower Upper

252 100

253 26.2 17.7 26.5

125 11.0 9.1 13.7



#90

Benzo(a)pyrene

Concen: 6.801 ng

RT: 24.780 min Scan# 3688

Delta R.T. 0.000 min

Lab File: BP024450.D

Acq: 28 Apr 2025 23:49

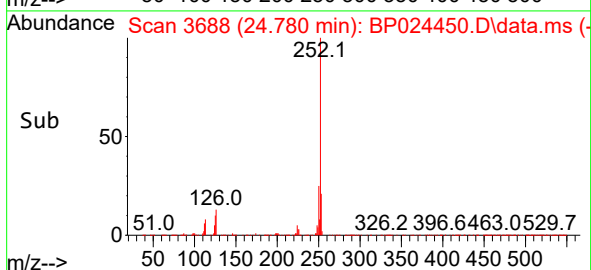
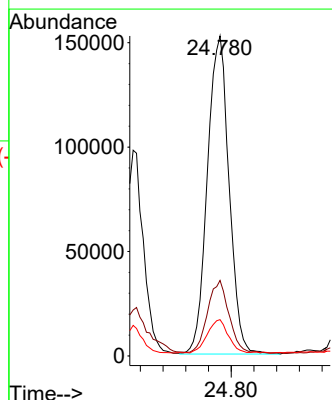
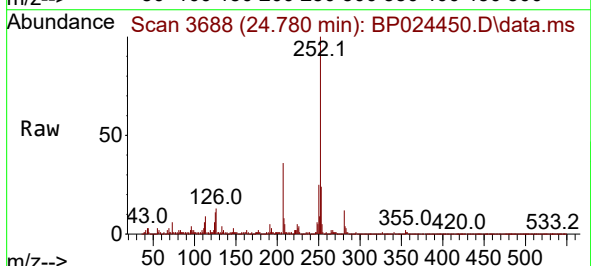
Tgt Ion:252 Resp: 402978

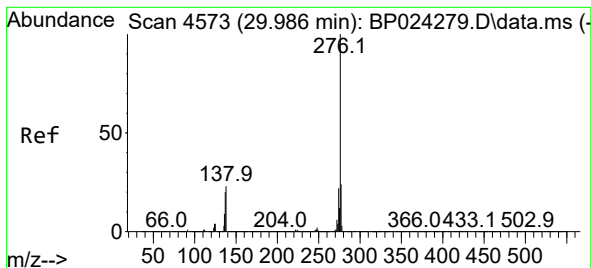
Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 11.4 10.1 15.1





#92

Benzo(g,h,i)perylene

Concen: 4.152 ng

RT: 29.903 min Scan# 4

Delta R.T. 0.006 min

Lab File: BP024450.D

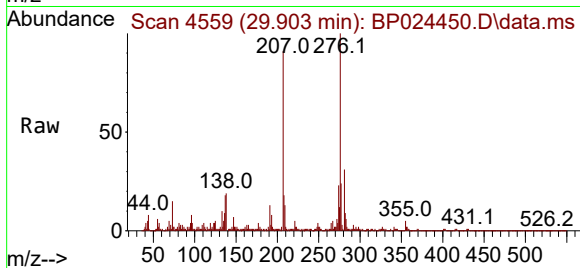
Acq: 28 Apr 2025 23:49

Instrument :

BNA_P

ClientSampleId :

295-BERGEN-RO



Tgt Ion:276 Resp: 279047

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 19.1 18.7 28.1

