

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP043025\
 Data File : BP024483.D
 Acq On : 30 Apr 2025 21:32
 Operator : RC/JU
 Sample : Q190401
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-210

Quant Time: May 01 01:07:59 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

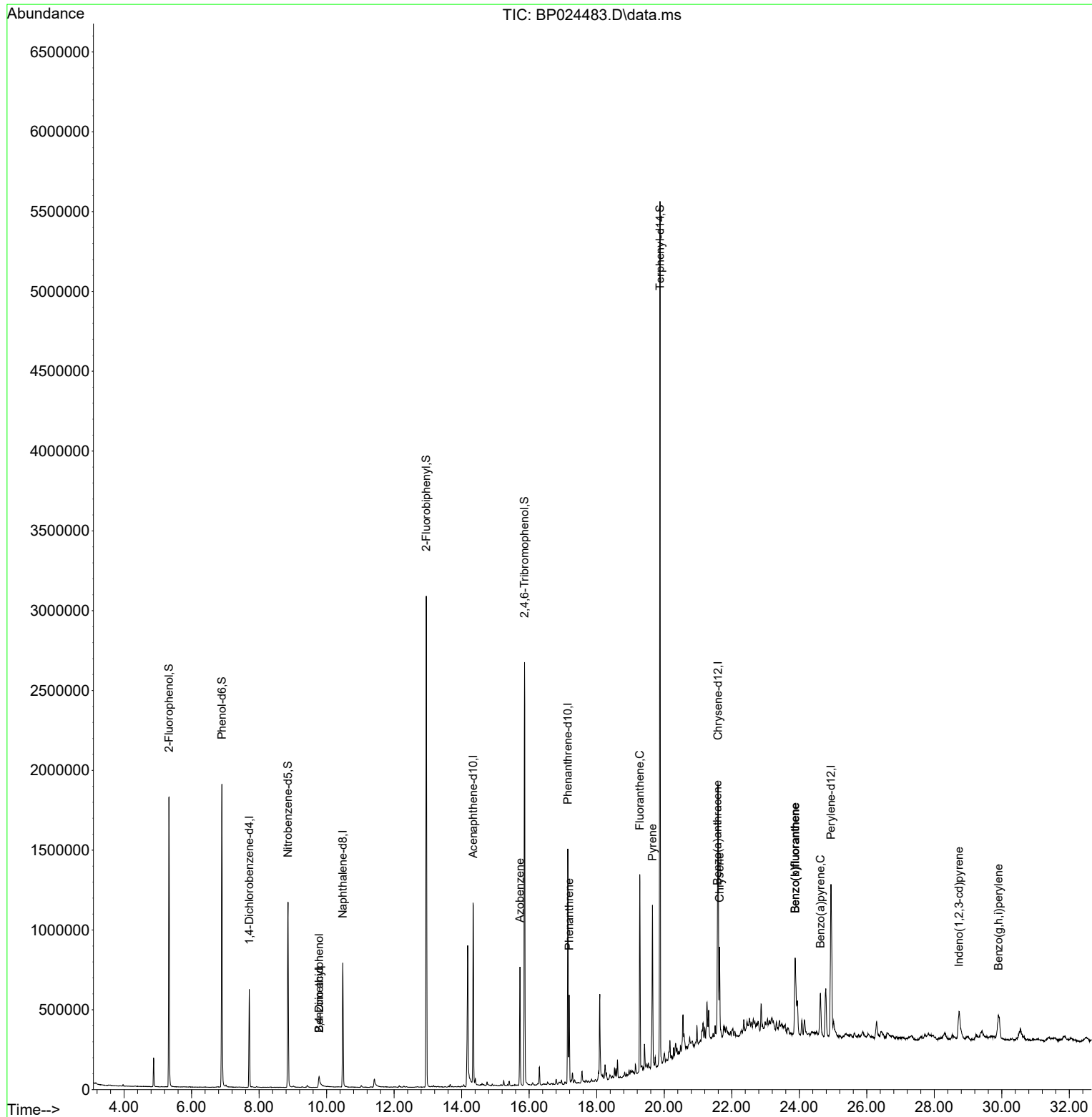
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	163652	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	661631	20.000	ng	#-0.02
39) Acenaphthene-d10	14.339	164	400281	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	802084	20.000	ng	# 0.00
76) Chrysene-d12	21.592	240	827428	20.000	ng	0.00
86) Perylene-d12	24.939	264	1027418	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	821897	83.040	ng	-0.01
7) Phenol-d6	6.899	99	1090065	80.432	ng	-0.01
23) Nitrobenzene-d5	8.857	82	668964	57.653	ng	-0.01
42) 2,4,6-Tribromophenol	15.863	330	570570	103.026	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1572024	60.131	ng	-0.01
79) Terphenyl-d14	19.874	244	2517534	61.328	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	9.781	122	53389	7.569	ng	# 3
32) Benzoic acid	9.781	122	53389	6.496	ng	96
63) Azobenzene	15.728	77	217385	7.884	ng	# 1
71) Phenanthrene	17.186	178	333804	7.629	ng	99
75) Fluoranthene	19.275	202	782500	15.036	ng	97
78) Pyrene	19.651	202	648950	12.341	ng	99
81) Benzo(a)anthracene	21.574	228	290232	5.643	ng	98
83) Chrysene	21.639	228	376267	7.637	ng	98
87) Indeno(1,2,3-cd)pyrene	28.733	276	301270	4.224	ng	98
88) Benzo(b)fluoranthene	23.880	252	549573	8.924	ng	97
89) Benzo(k)fluoranthene	23.880	252	549573	9.239	ng	98
90) Benzo(a)pyrene	24.627	252	275699	5.190	ng	98
92) Benzo(g,h,i)perylene	29.897	276	299451	4.969	ng	96

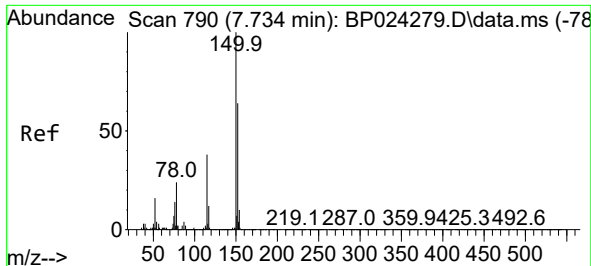
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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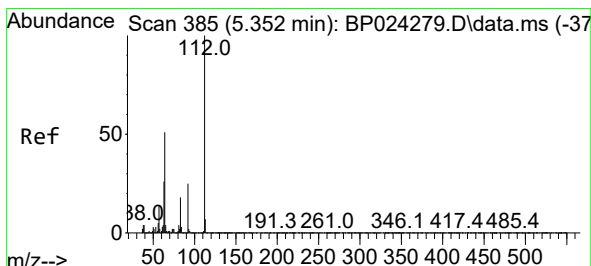
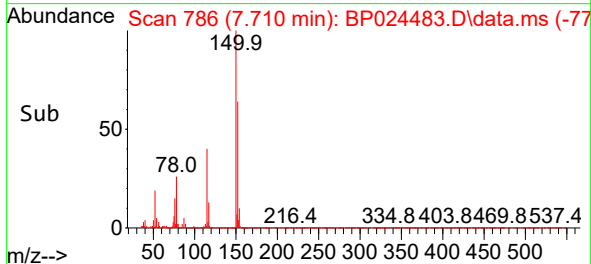
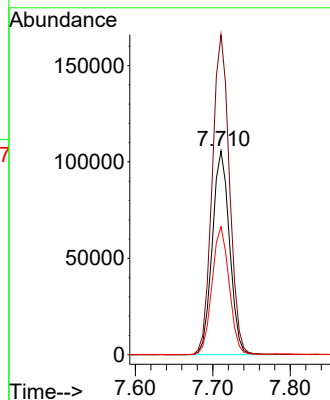
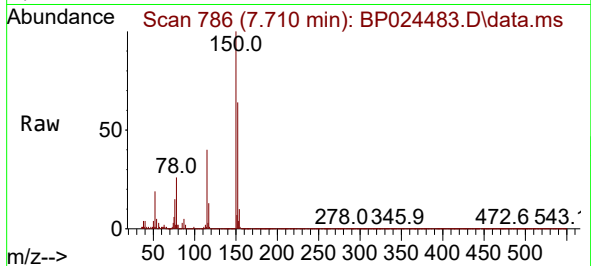




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

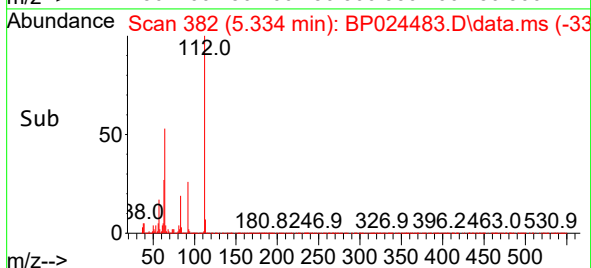
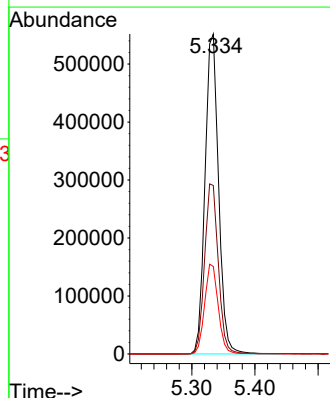
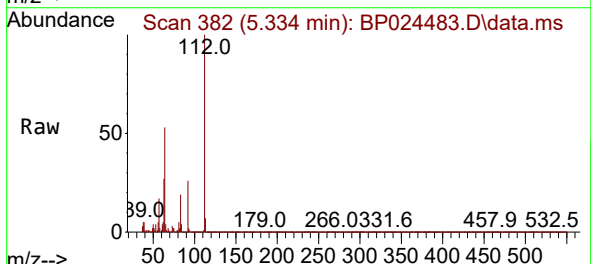
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VNJ-210

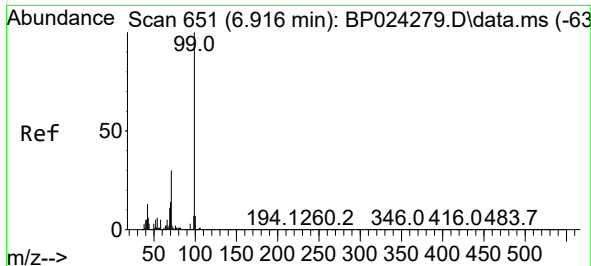
Tgt Ion:152 Resp: 163652
Ion Ratio Lower Upper
152 100
150 157.0 124.9 187.3
115 62.7 47.7 71.5



#5
2-Fluorophenol
Concen: 83.040 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Tgt Ion:112 Resp: 821897
Ion Ratio Lower Upper
112 100
64 52.7 41.1 61.7
63 27.4 20.6 30.8

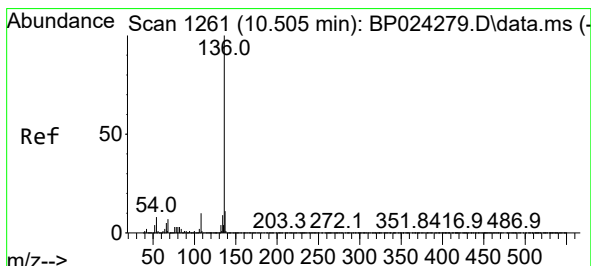
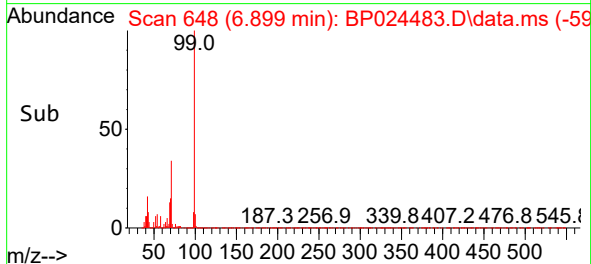
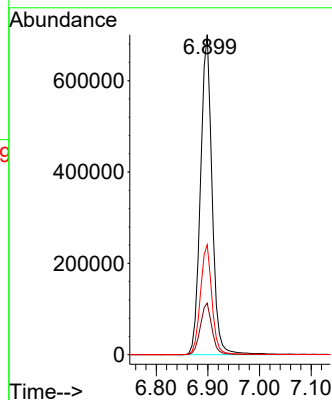
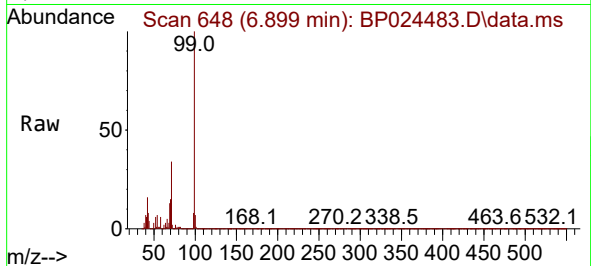




#7
Phenol-d6
Concen: 80.432 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

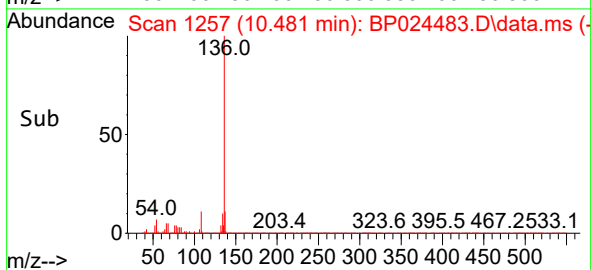
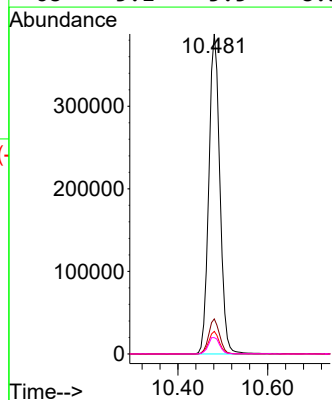
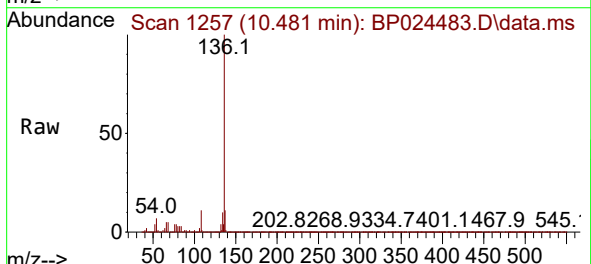
Instrument :
BNA_P
ClientSampleId :
VNJ-210

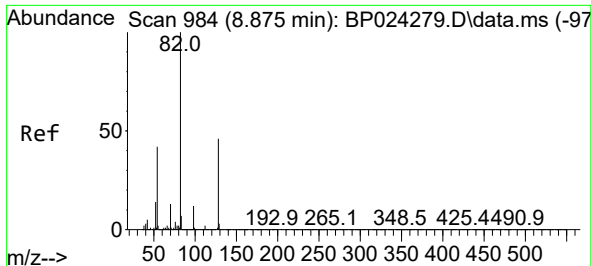
Tgt Ion: 99 Resp: 1090065
Ion Ratio Lower Upper
99 100
42 16.1 10.6 16.0#
71 34.3 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.018 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Tgt Ion: 136 Resp: 661631
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.1 6.0 9.0
68 5.1 5.5 8.3#

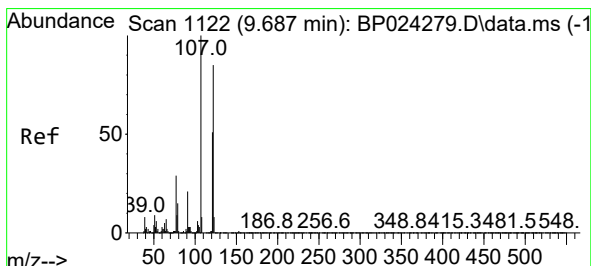
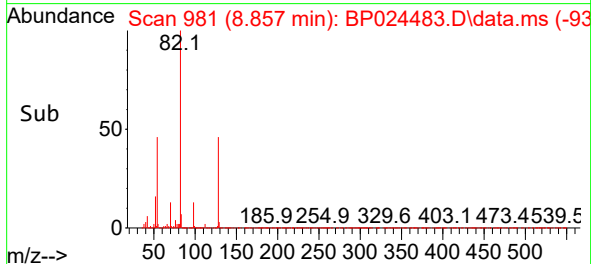
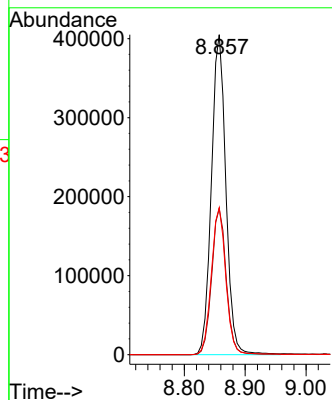
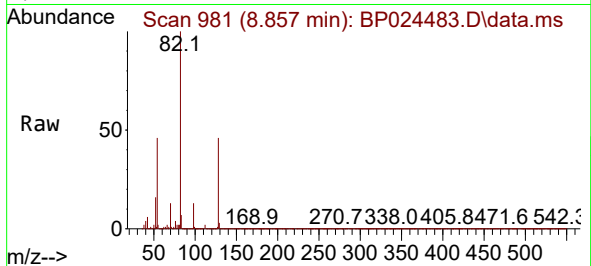




#23
Nitrobenzene-d5
Concen: 57.653 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

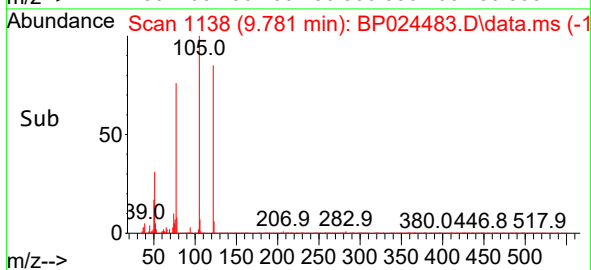
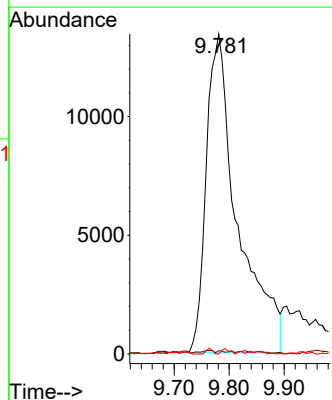
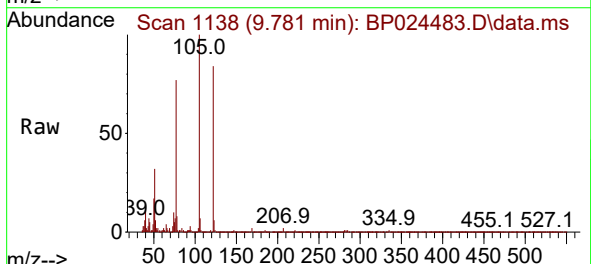
Instrument :
BNA_P
ClientSampleId :
VNJ-210

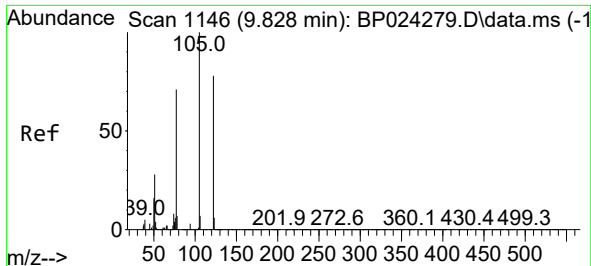
Tgt Ion: 82 Resp: 668964
Ion Ratio Lower Upper
82 100
128 45.7 36.5 54.7
54 46.0 33.4 50.2



#27
2,4-Dimethylphenol
Concen: 7.569 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.100 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Tgt Ion: 122 Resp: 53389
Ion Ratio Lower Upper
122 100
107 1.0 93.7 140.5#
121 0.0 48.2 72.2#

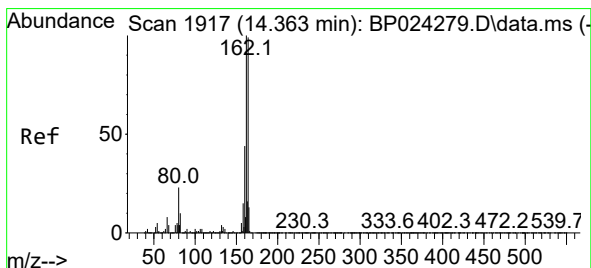
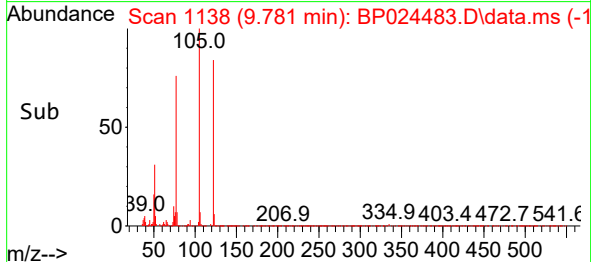
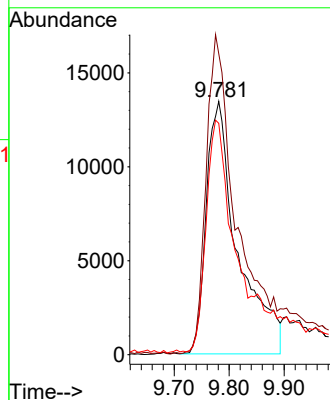
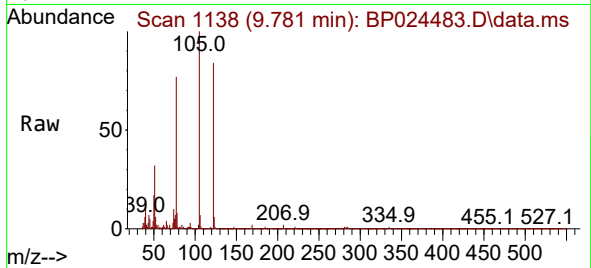




#32
Benzoic acid
Concen: 6.496 ng
RT: 9.781 min Scan# 1146
Delta R.T. -0.041 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

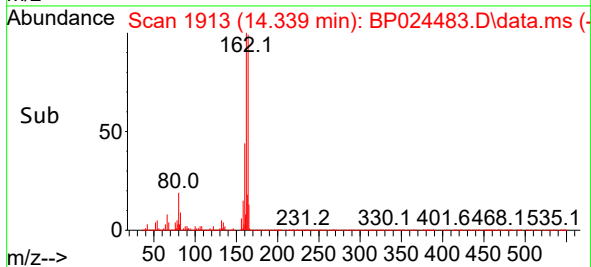
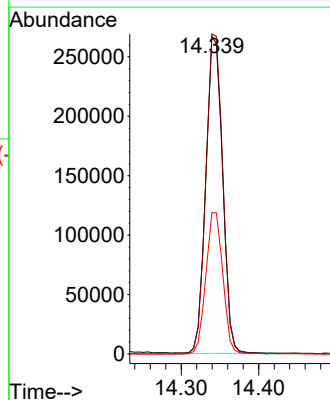
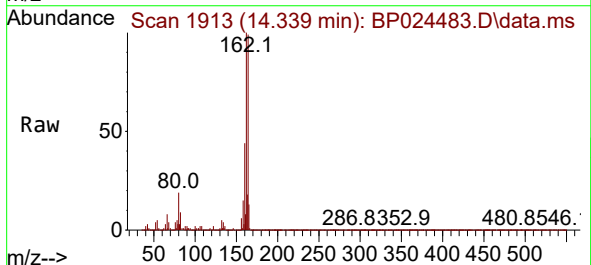
Instrument :
BNA_P
ClientSampleId :
VNJ-210

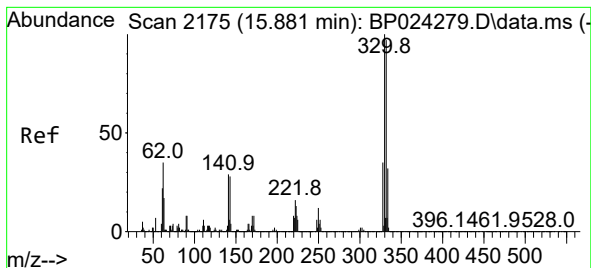
Tgt Ion:122 Resp: 53389
Ion Ratio Lower Upper
122 100
105 118.8 104.8 144.8
77 91.4 69.2 109.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Tgt Ion:164 Resp: 400281
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.5 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 103.026 ng

RT: 15.863 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

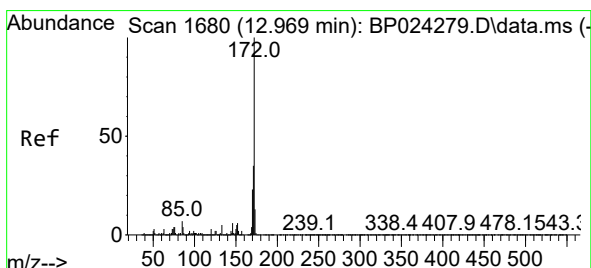
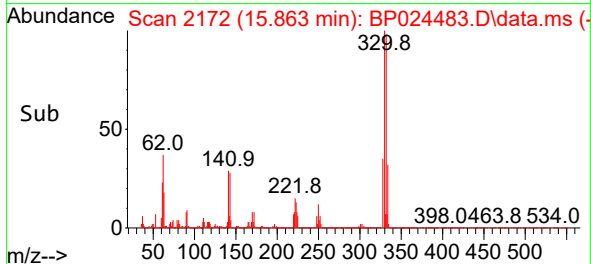
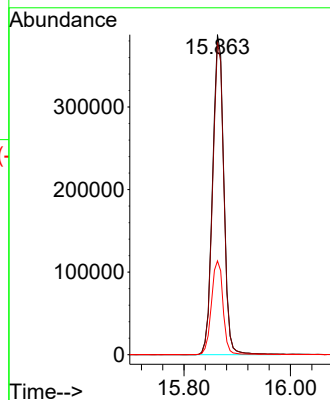
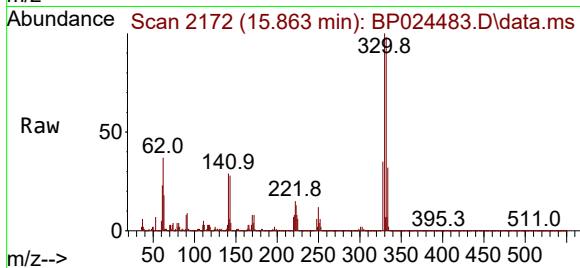
Tgt Ion:330 Resp: 570570

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 30.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 60.131 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

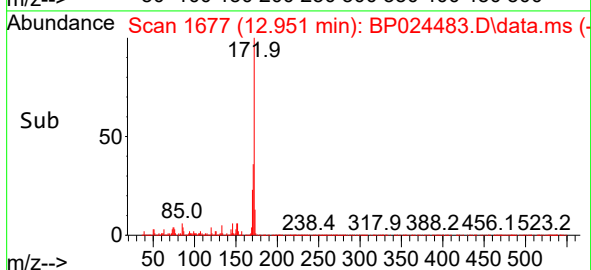
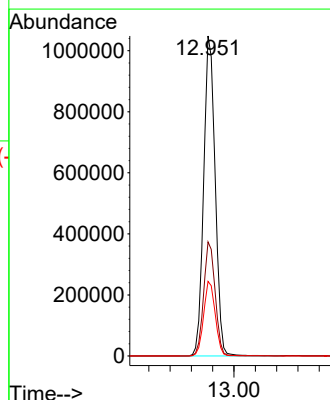
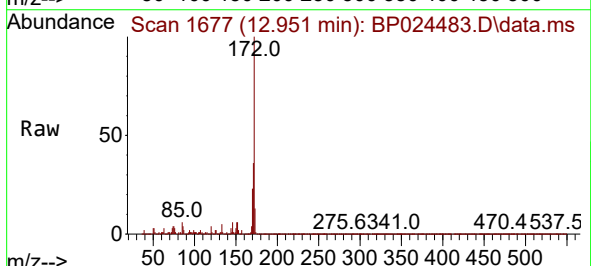
Tgt Ion:172 Resp: 1572024

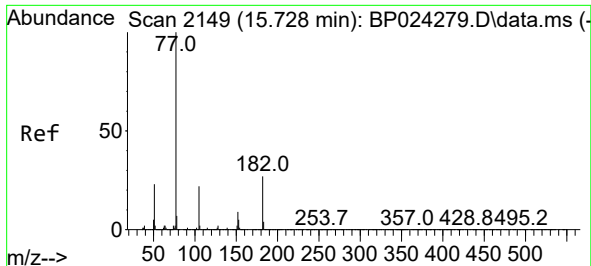
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.3 18.6 27.8

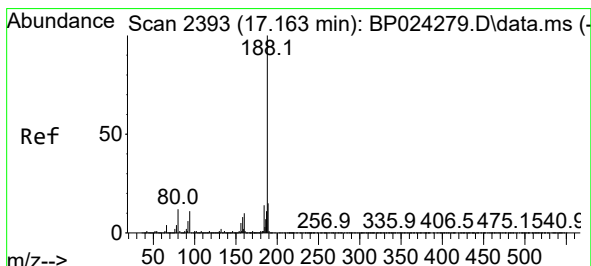
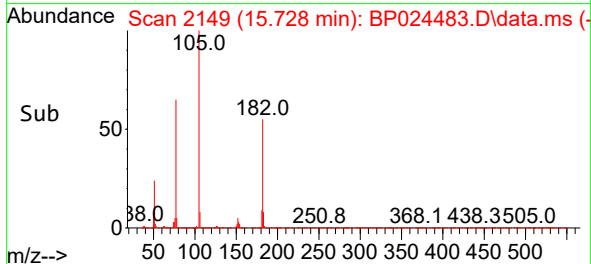
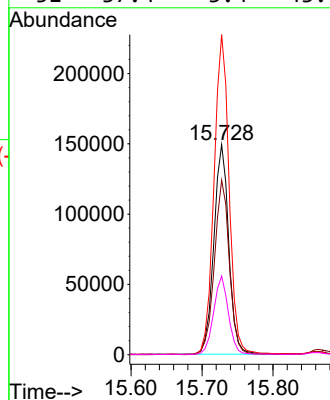
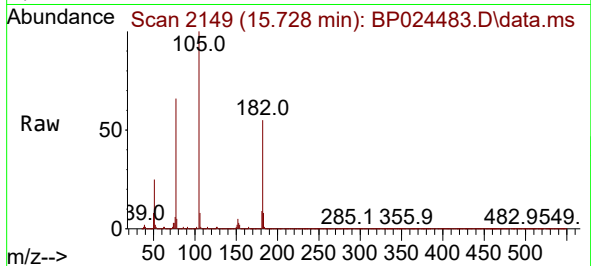




#63
Azobenzene
Concen: 7.884 ng
RT: 15.728 min Scan# 2149
Delta R.T. 0.018 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

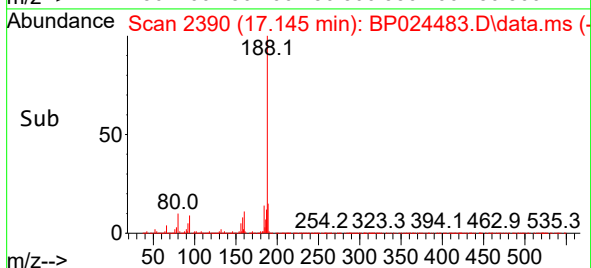
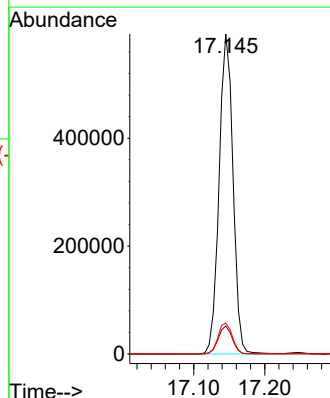
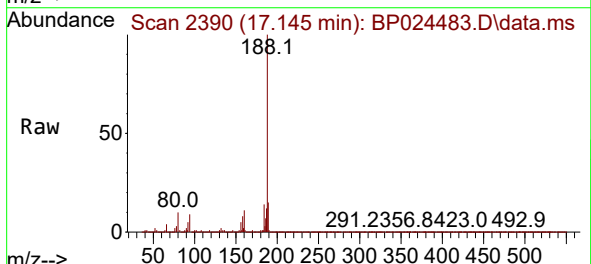
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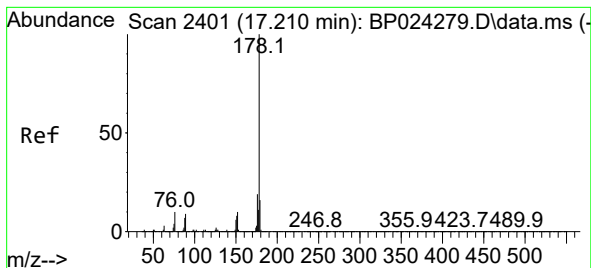
Tgt Ion: 77 Resp: 217385
Ion Ratio Lower Upper
77 100
182 83.2 7.3 47.3#
105 152.4 2.3 42.3#
51 37.4 3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Tgt Ion: 188 Resp: 802084
Ion Ratio Lower Upper
188 100
94 8.8 8.6 13.0
80 9.7 9.8 14.6#





#71

Phenanthrene

Concen: 7.629 ng

RT: 17.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

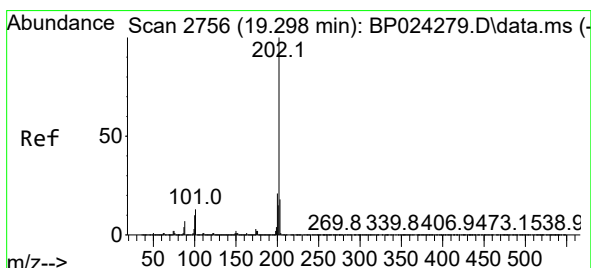
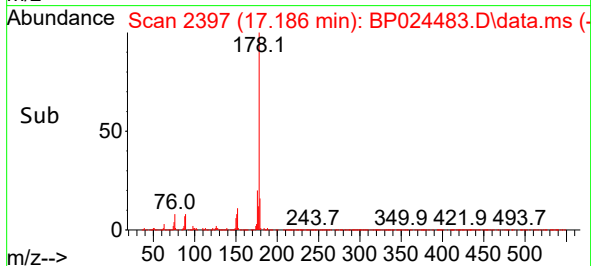
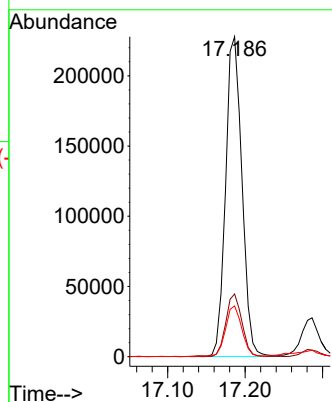
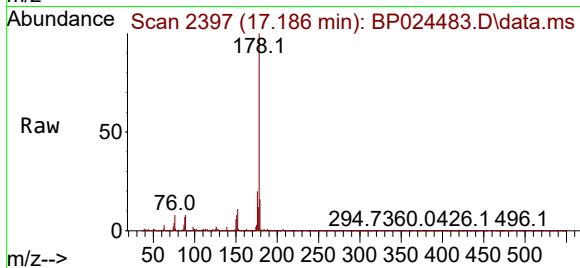
Tgt Ion:178 Resp: 333804

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.8 12.5 18.7



#75

Fluoranthene

Concen: 15.036 ng

RT: 19.275 min Scan# 2752

Delta R.T. -0.006 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

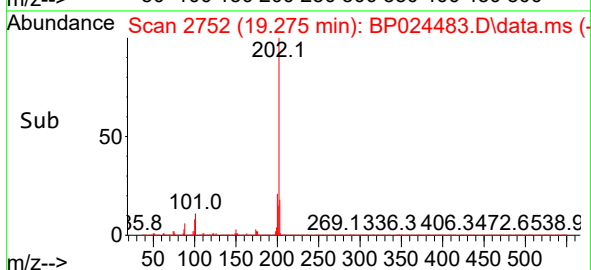
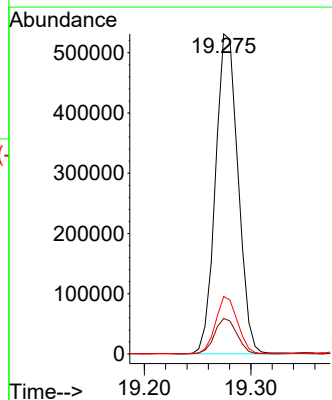
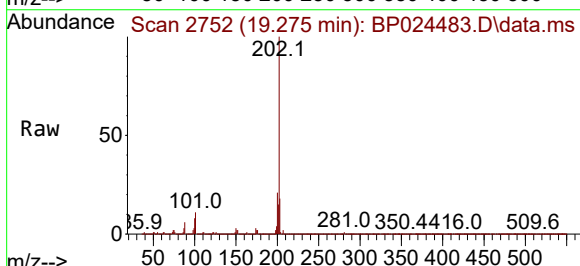
Tgt Ion:202 Resp: 782500

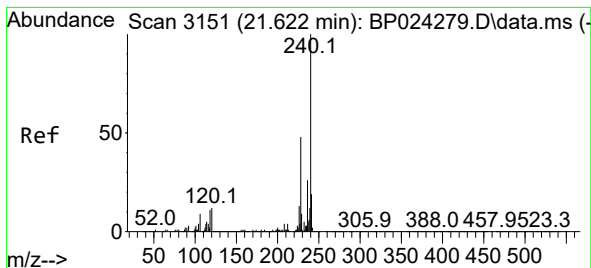
Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.2

203 18.0 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: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

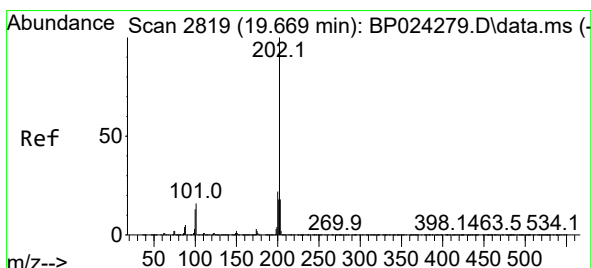
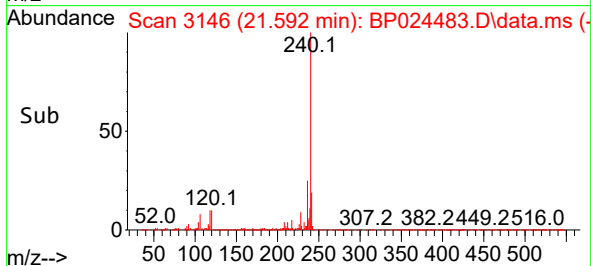
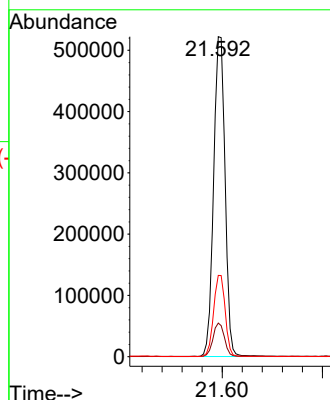
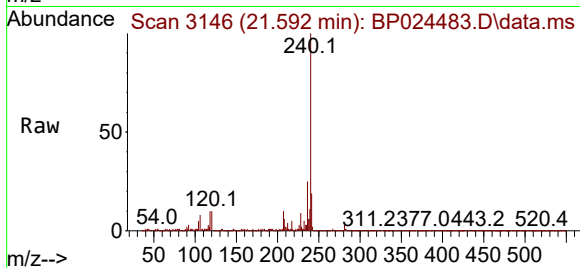
Tgt Ion:240 Resp: 827428

Ion Ratio Lower Upper

240 100

120 10.5 9.8 14.8

236 25.4 20.9 31.3



#78

Pyrene

Concen: 12.341 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

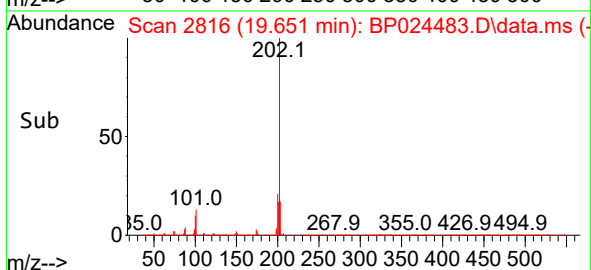
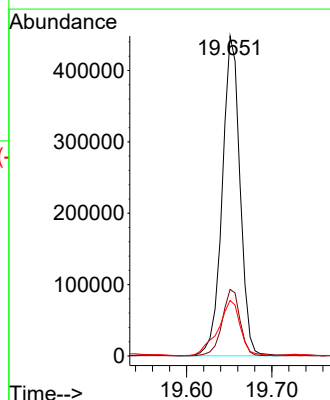
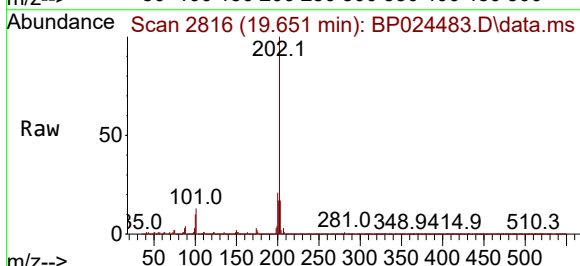
Tgt Ion:202 Resp: 648950

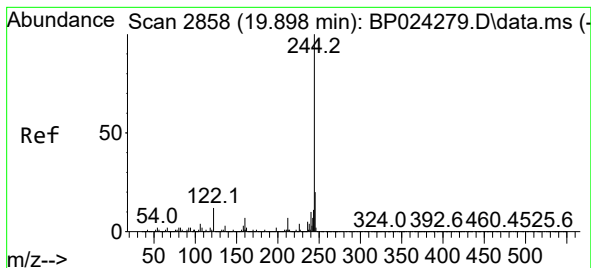
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 61.328 ng

RT: 19.874 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

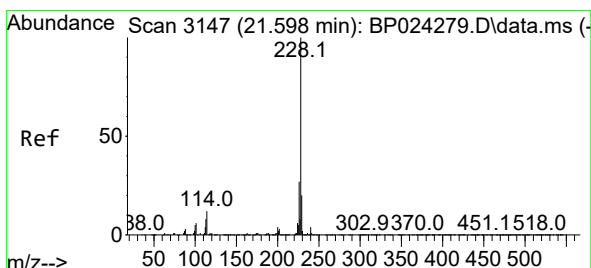
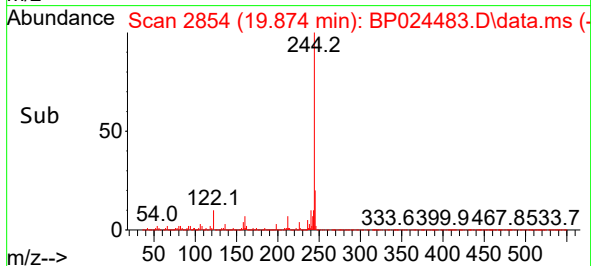
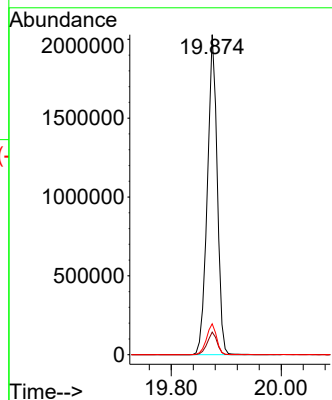
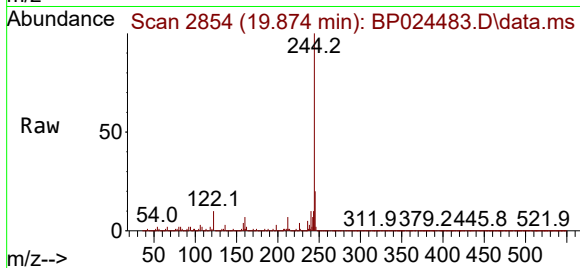
Tgt Ion:244 Resp: 2517534

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.6 9.4 14.0



#81

Benzo(a)anthracene

Concen: 5.643 ng

RT: 21.574 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

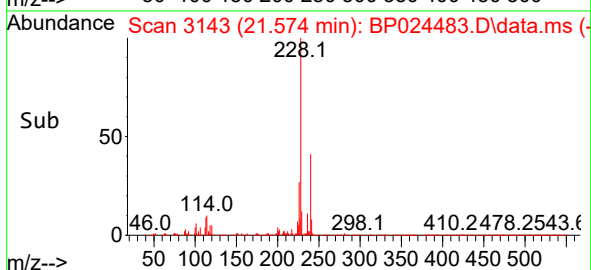
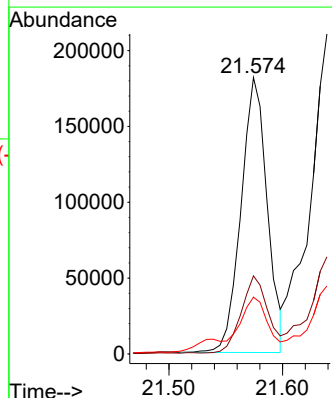
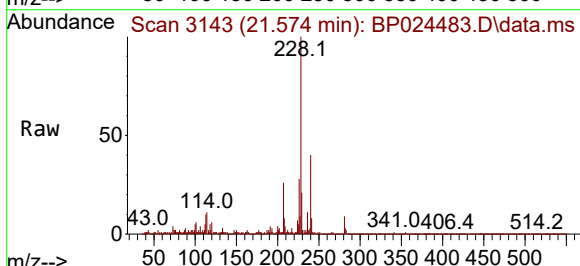
Tgt Ion:228 Resp: 290232

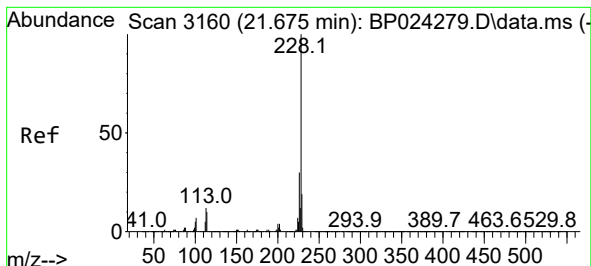
Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 20.6 15.9 23.9





#83

Chrysene

Concen: 7.637 ng

RT: 21.639 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

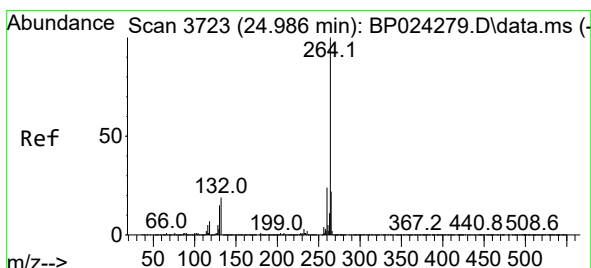
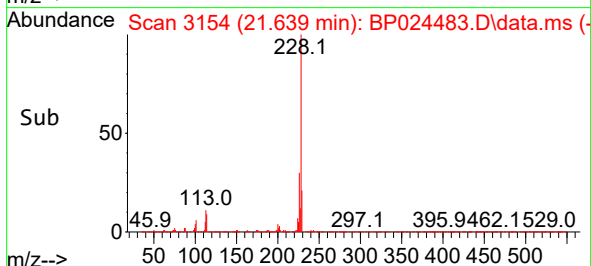
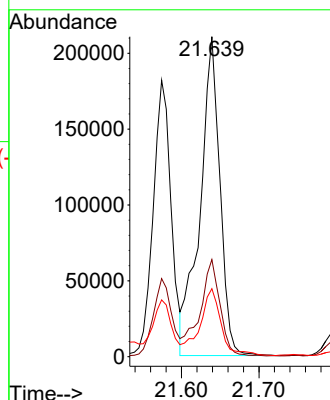
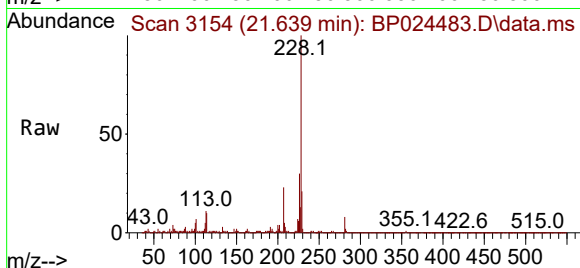
Tgt Ion:228 Resp: 376267

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.2 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: BP024483.D

Acq: 30 Apr 2025 21:32

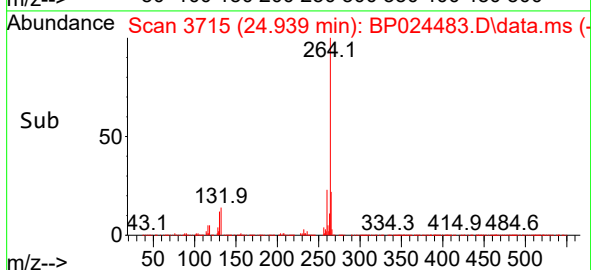
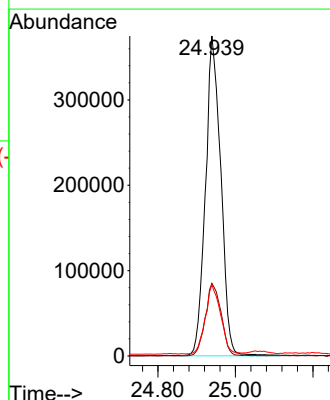
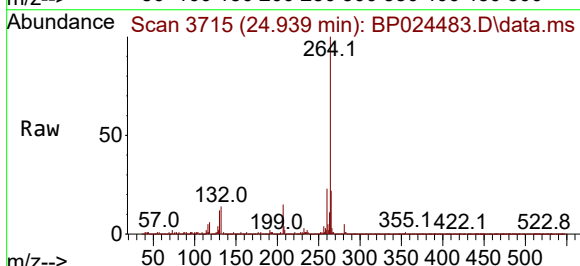
Tgt Ion:264 Resp: 1027418

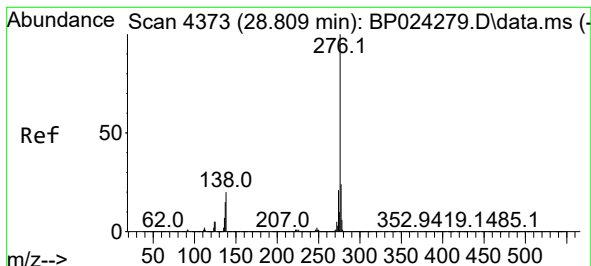
Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 22.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.224 ng

RT: 28.733 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

Instrument :

BNA_P

ClientSampleId :

VNJ-210

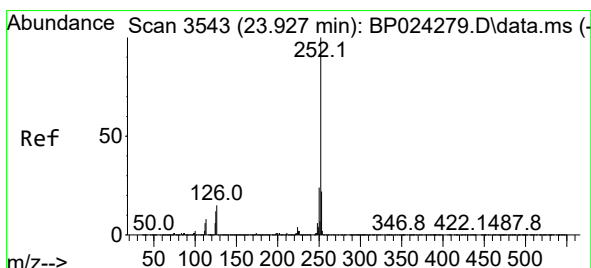
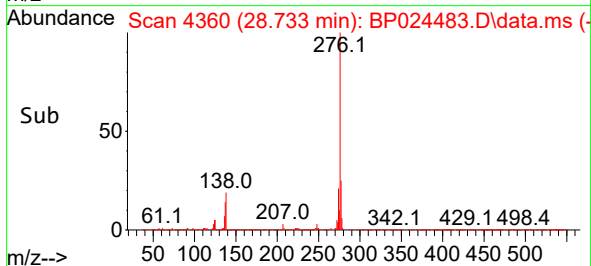
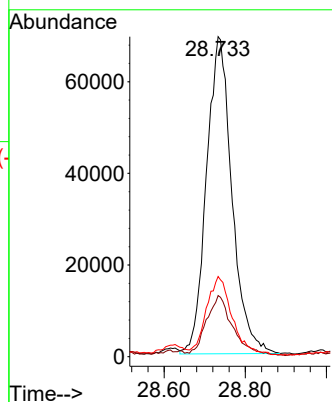
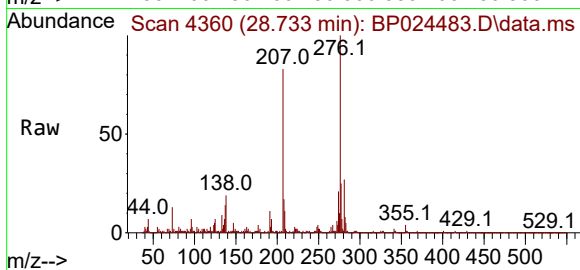
Tgt Ion:276 Resp: 301270

Ion Ratio Lower Upper

276 100

138 19.7 14.5 21.7

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.924 ng

RT: 23.880 min Scan# 3535

Delta R.T. -0.006 min

Lab File: BP024483.D

Acq: 30 Apr 2025 21:32

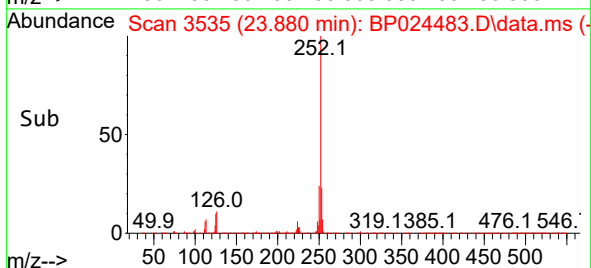
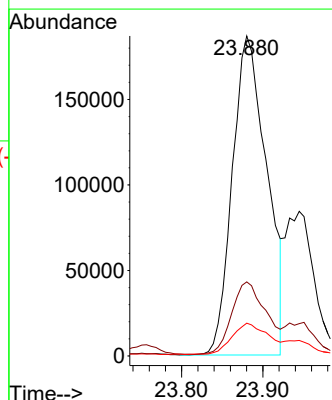
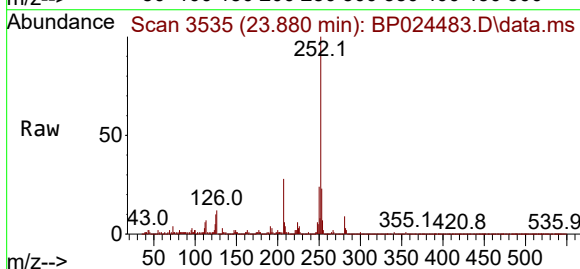
Tgt Ion:252 Resp: 549573

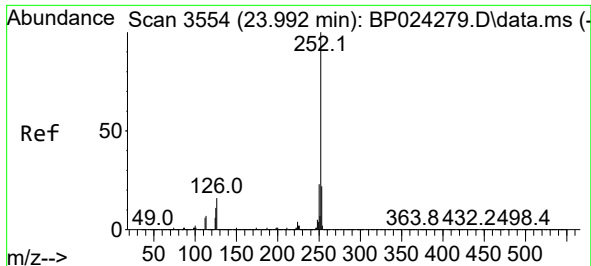
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.3 9.4 14.0

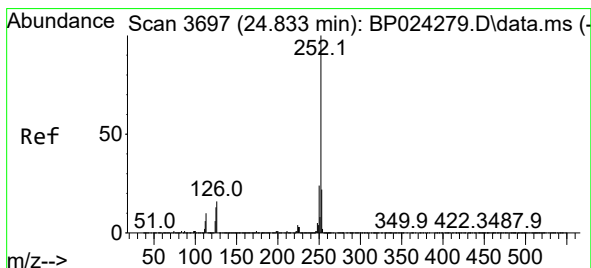
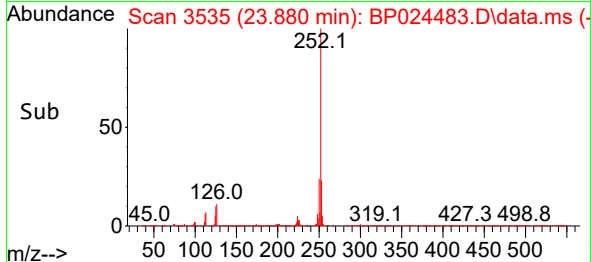
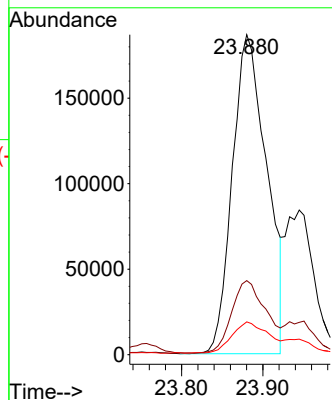
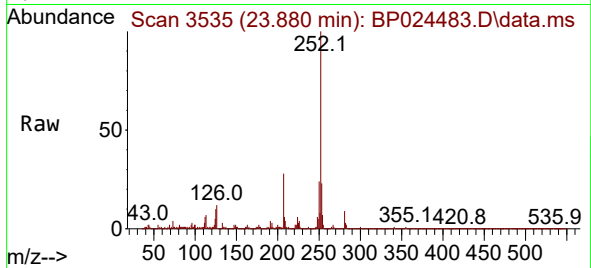




#89
Benzo(k)fluoranthene
Concen: 9.239 ng
RT: 23.880 min Scan# 31
Delta R.T. -0.076 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

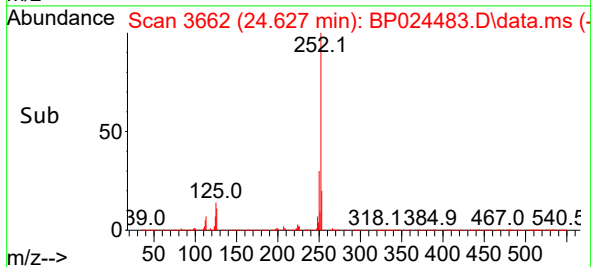
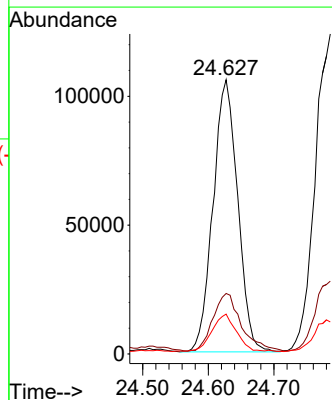
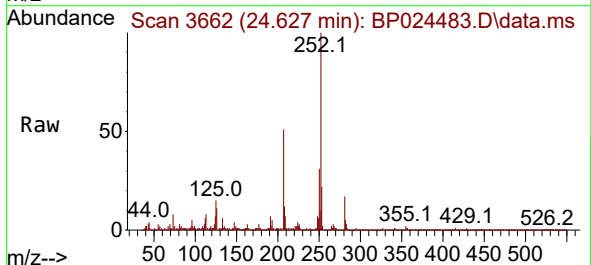
Instrument :
BNA_P
ClientSampleId :
VNJ-210

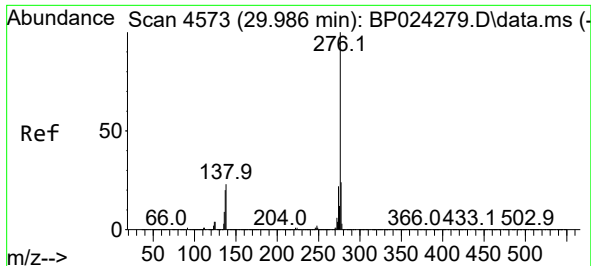
Tgt Ion:252 Resp: 549573
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.3 9.1 13.7



#90
Benzo(a)pyrene
Concen: 5.190 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.153 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

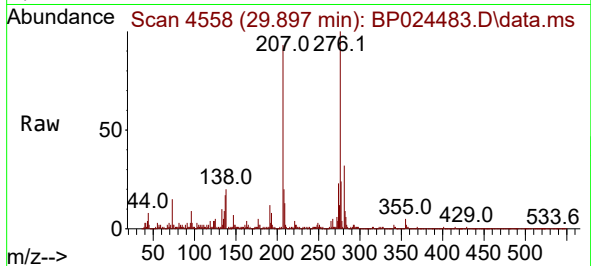
Tgt Ion:252 Resp: 275699
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 14.5 10.1 15.1





#92
Benzo(g,h,i)perylene
Concen: 4.969 ng
RT: 29.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024483.D
Acq: 30 Apr 2025 21:32

Instrument :
BNA_P
ClientSampleId :
VNJ-210



Tgt Ion: 276 Resp: 299451
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 19.5 18.7 28.1

