

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024519.D
 Acq On : 02 May 2025 21:46
 Operator : RC/JU
 Sample : Q1912-05DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-FDL

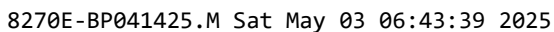
Quant Time: May 02 23:47:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

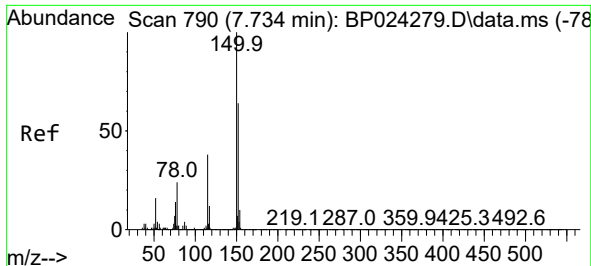
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	154282	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	643012	20.000	ng	#-0.02
39) Acenaphthene-d10	14.339	164	404433	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	801462	20.000	ng	# 0.00
76) Chrysene-d12	21.592	240	876242	20.000	ng	# 0.00
86) Perylene-d12	24.933	264	1023650	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	156993	16.825	ng	-0.01
7) Phenol-d6	6.899	99	216140	16.917	ng	-0.01
23) Nitrobenzene-d5	8.863	82	130214	11.547	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	123015	21.984	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	329259	12.465	ng	-0.02
79) Terphenyl-d14	19.869	244	557622	12.827	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.146	142	86792	3.695	ng	96
38) 1-Methylnaphthalene	12.363	142	109565	4.768	ng	99
49) Acenaphthylene	14.057	152	103828	2.968	ng	# 96
52) Acenaphthene	14.404	154	51354	2.316	ng	96
58) Fluorene	15.404	166	131458	4.685	ng	95
71) Phenanthrene	17.186	178	1004254	22.969	ng	100
72) Anthracene	17.281	178	201411	4.780	ng	99
75) Fluoranthene	19.275	202	812403	15.623	ng	97
78) Pyrene	19.651	202	1320428	23.712	ng	99
81) Benzo(a)anthracene	21.574	228	555299	10.196	ng	95
83) Chrysene	21.639	228	538144	10.313	ng	99
87) Indeno(1,2,3-cd)pyrene	28.721	276	306169	4.308	ng	99
88) Benzo(b)fluoranthene	23.886	252	580871	9.467	ng	97
89) Benzo(k)fluoranthene	23.945	252	162289	2.738	ng	97
90) Benzo(a)pyrene	24.780	252	493335	9.321	ng	97
92) Benzo(g,h,i)perylene	29.903	276	333077	5.548	ng	95

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

Quant Time: May 02 23:47:15 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

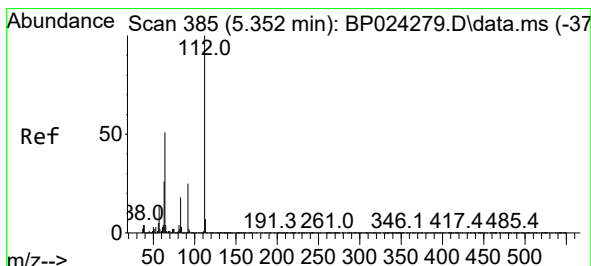
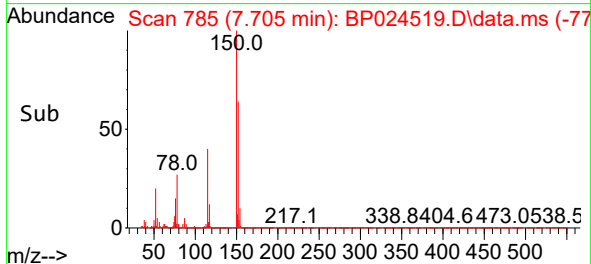
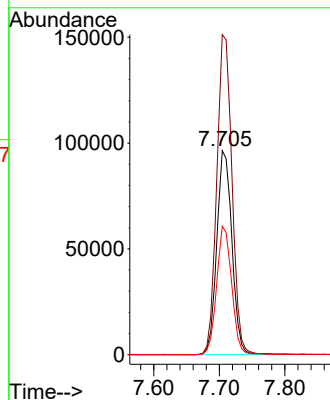
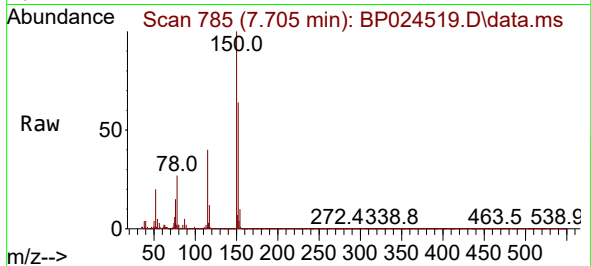




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

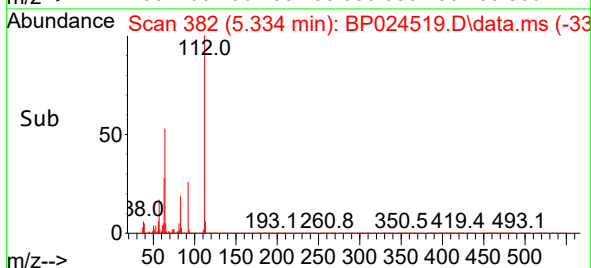
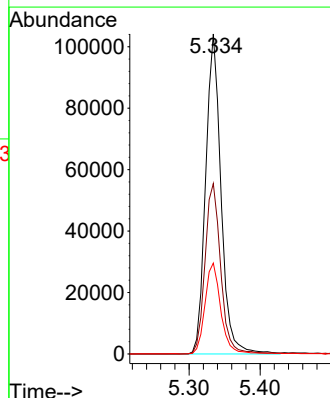
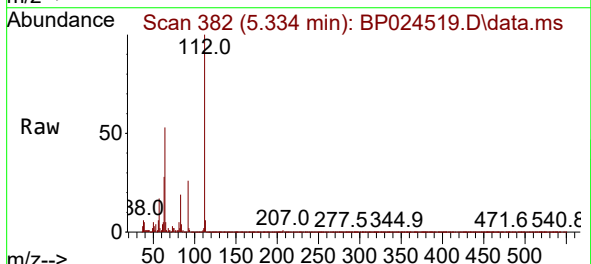
Instrument :
BNA_P
ClientSampleId :
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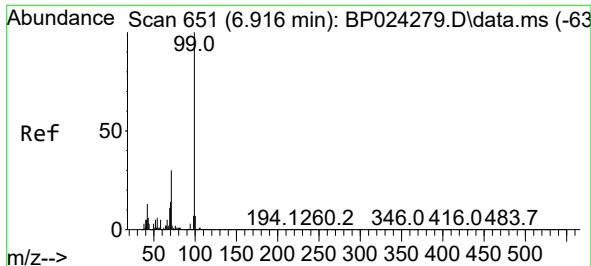
Tgt Ion:152 Resp: 154282
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 63.0 47.7 71.5



#5
2-Fluorophenol
Concen: 16.825 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:112 Resp: 156993
Ion Ratio Lower Upper
112 100
64 53.3 41.1 61.7
63 28.4 20.6 30.8

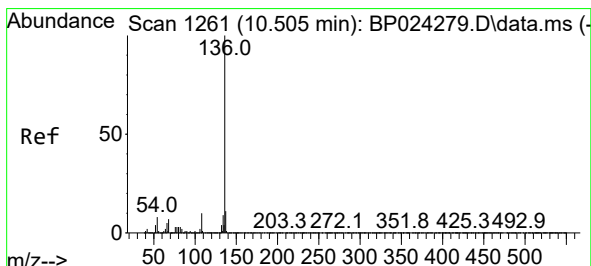
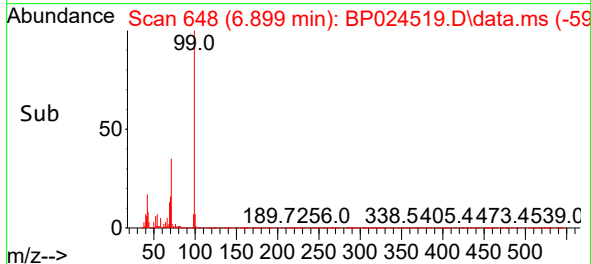
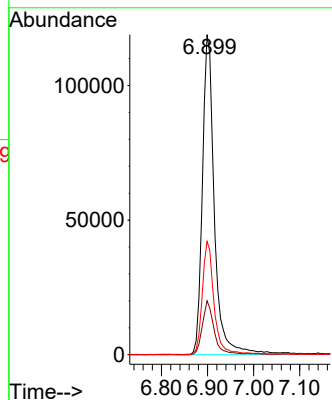
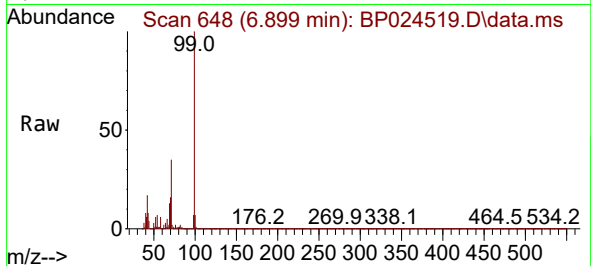




#7
Phenol-d6
Concen: 16.917 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

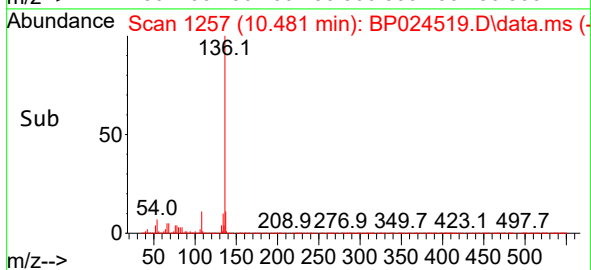
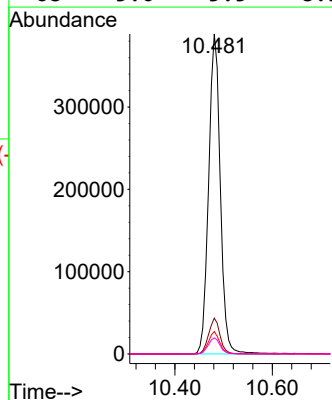
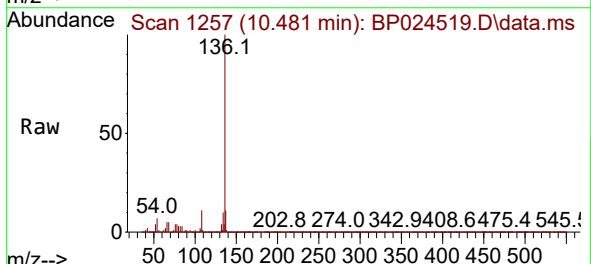
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ClientSampleId :
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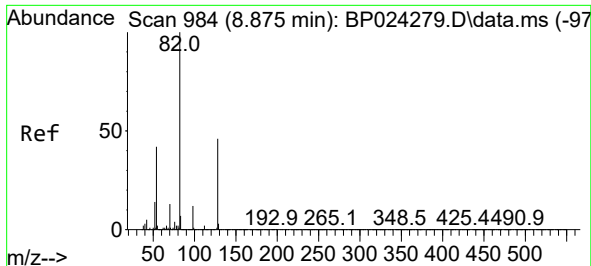
Tgt Ion: 99 Resp: 216140
Ion Ratio Lower Upper
99 100
42 16.8 10.6 16.0#
71 35.4 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.018 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion: 136 Resp: 643012
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.0 6.0 9.0
68 5.0 5.5 8.3#

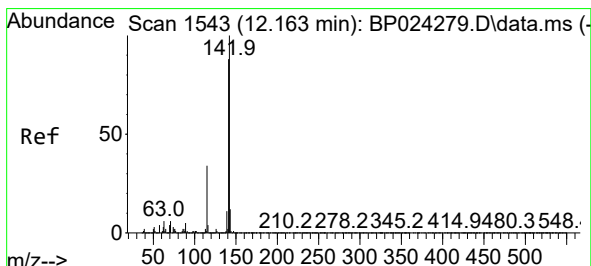
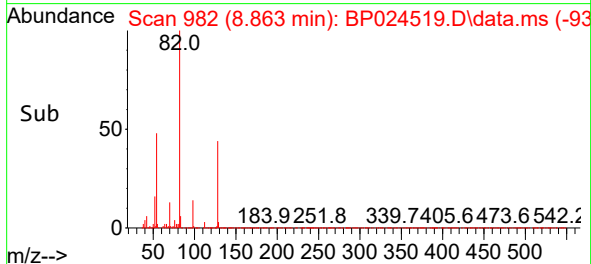
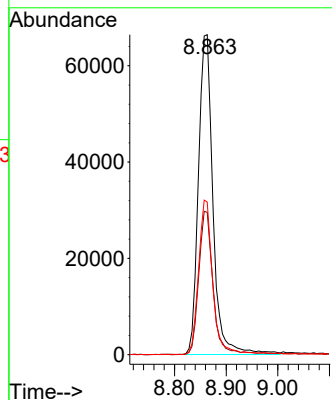
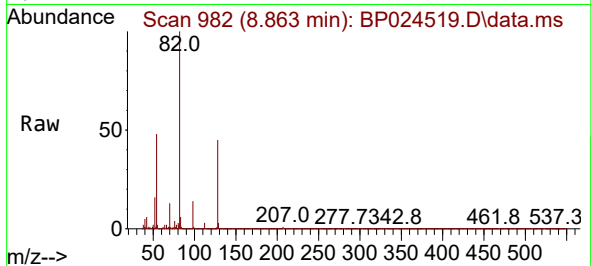




#23
Nitrobenzene-d5
Concen: 11.547 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

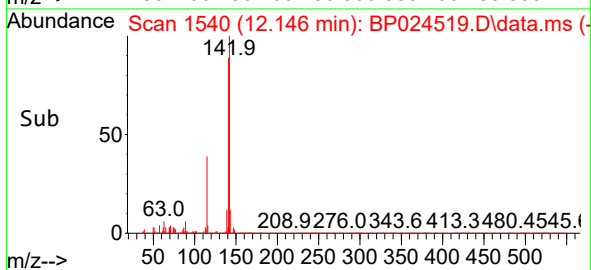
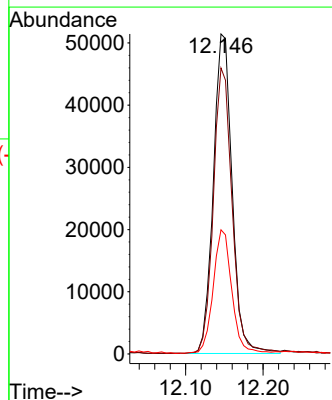
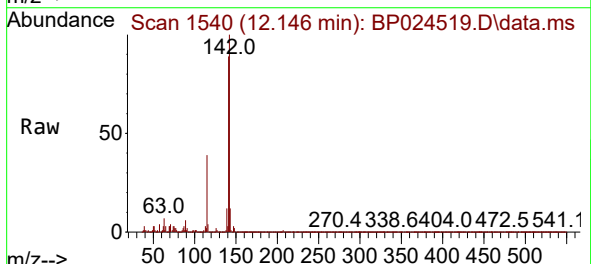
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BNA_P
ClientSampleId :
MH-FDL

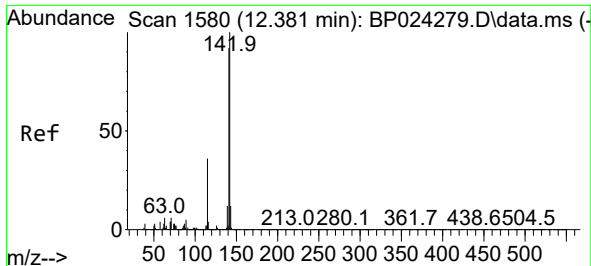
Tgt Ion: 82 Resp: 130214
Ion Ratio Lower Upper
82 100
128 44.5 36.5 54.7
54 47.7 33.4 50.2



#37
2-Methylnaphthalene
Concen: 3.695 ng
RT: 12.146 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion: 142 Resp: 86792
Ion Ratio Lower Upper
142 100
141 89.3 70.3 105.5
115 38.8 26.9 40.3

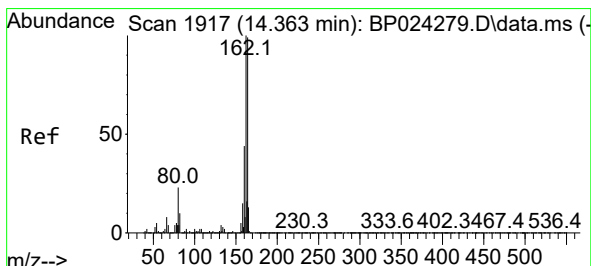
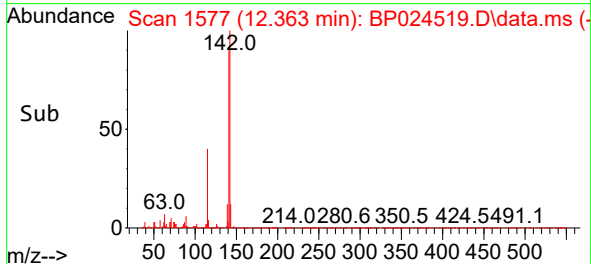
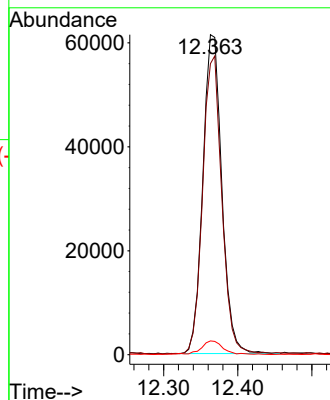
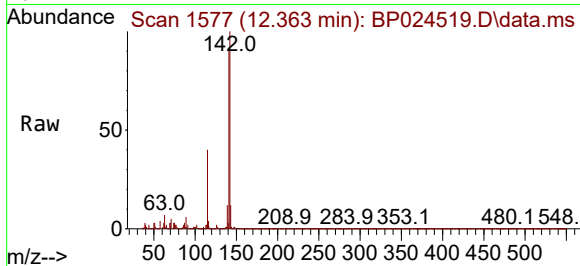




#38
1-Methylnaphthalene
Concen: 4.768 ng
RT: 12.363 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

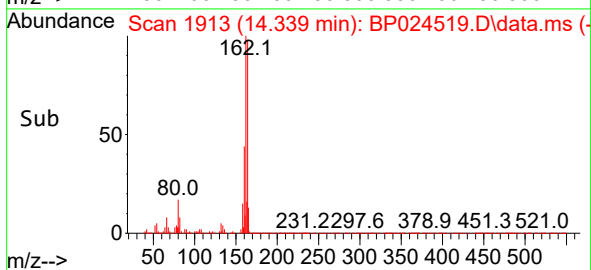
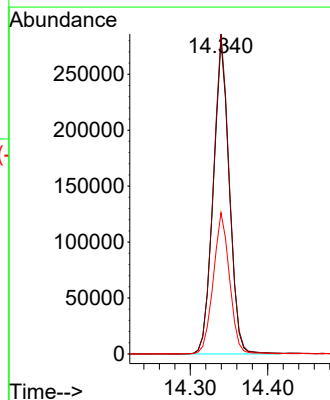
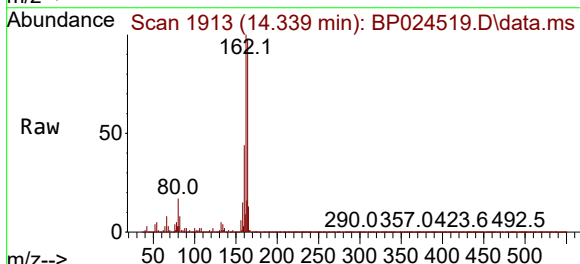
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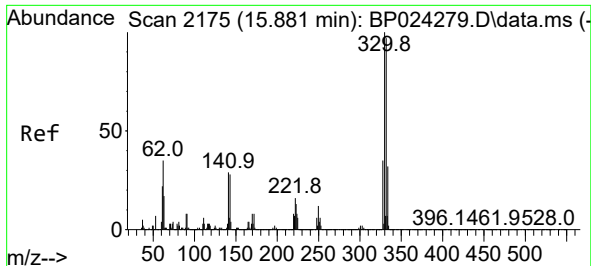
Tgt Ion:142 Resp: 109565
Ion Ratio Lower Upper
142 100
141 91.0 73.6 110.4
116 4.3 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:164 Resp: 404433
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.1 35.3 52.9

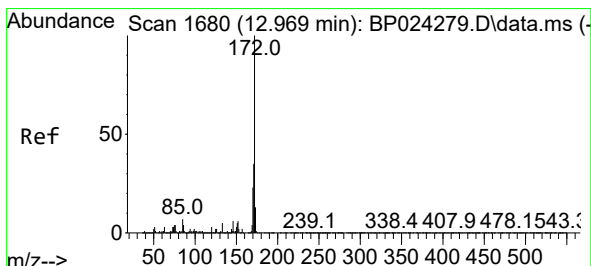
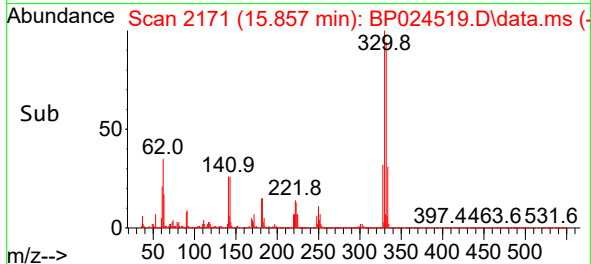
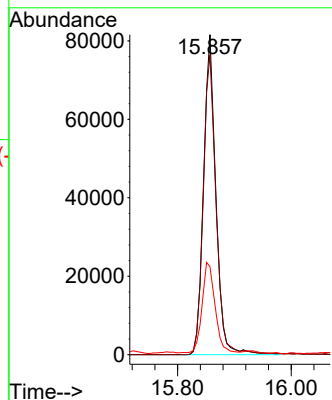
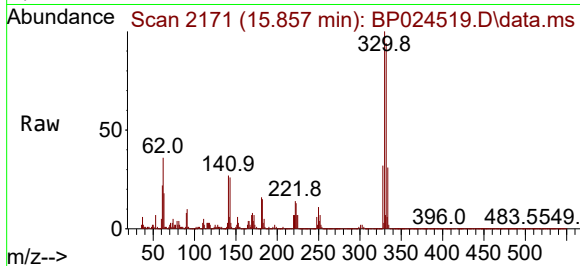




#42
 2,4,6-Tribromophenol
 Concen: 21.984 ng
 RT: 15.857 min Scan# 2171
 Delta R.T. -0.006 min
 Lab File: BP024519.D
 Acq: 02 May 2025 21:46

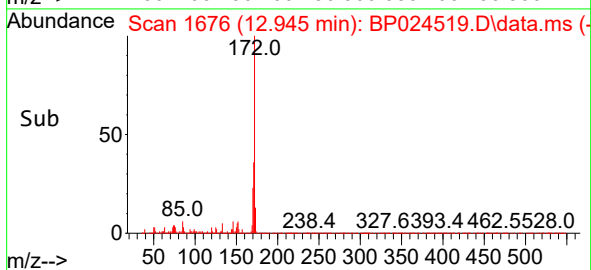
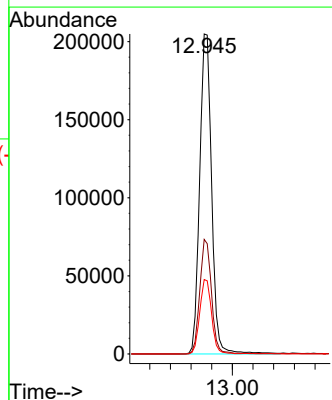
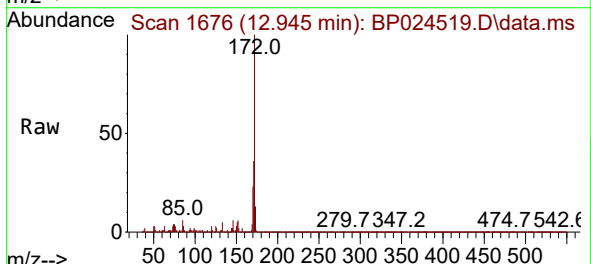
Instrument :
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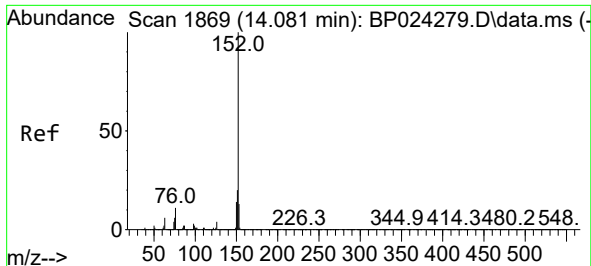
Tgt Ion:330 Resp: 123015
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.1 115.7
 141 30.2 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 12.465 ng
 RT: 12.945 min Scan# 1676
 Delta R.T. -0.018 min
 Lab File: BP024519.D
 Acq: 02 May 2025 21:46

Tgt Ion:172 Resp: 329259
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.2 42.2
 170 23.2 18.6 27.8

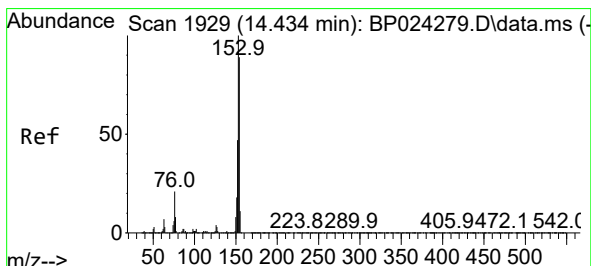
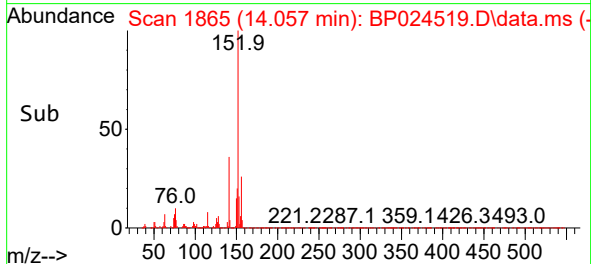
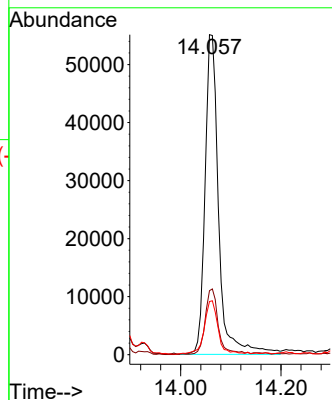
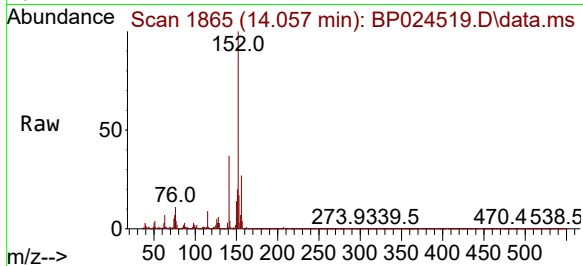




#49
Acenaphthylene
Concen: 2.968 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

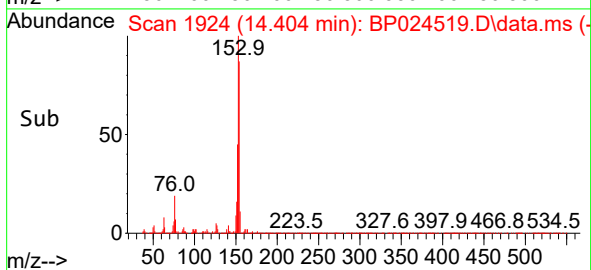
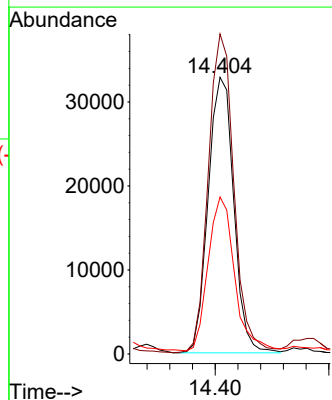
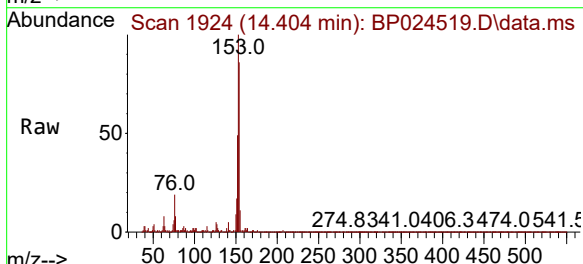
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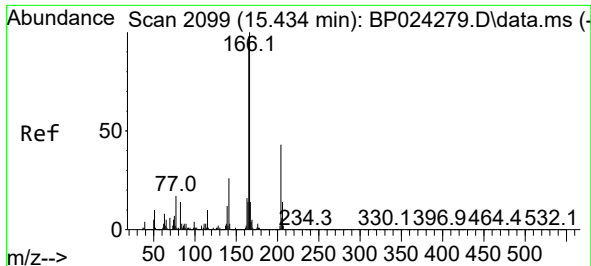
Tgt Ion:152 Resp: 103828
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 16.6 10.6 15.8#



#52
Acenaphthene
Concen: 2.316 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.018 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:154 Resp: 51354
Ion Ratio Lower Upper
154 100
153 115.7 89.8 134.6
152 56.8 42.6 63.8

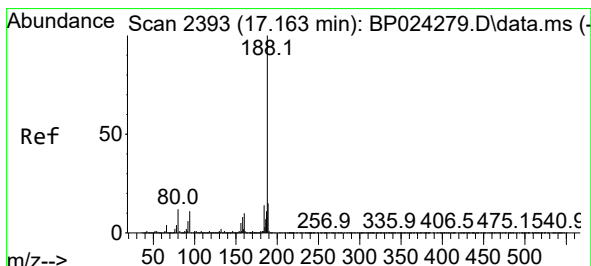
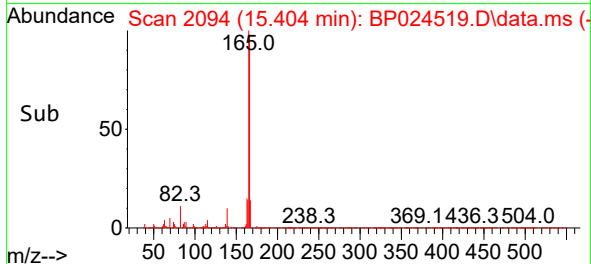
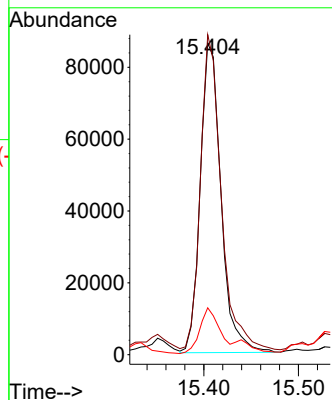
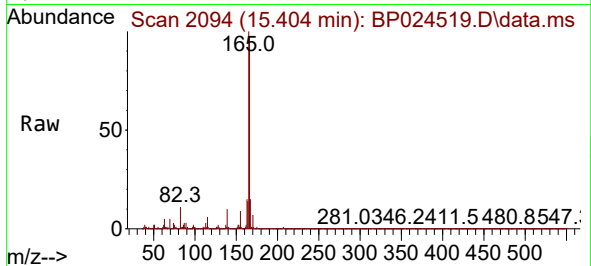




#58
Fluorene
Concen: 4.685 ng
RT: 15.404 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

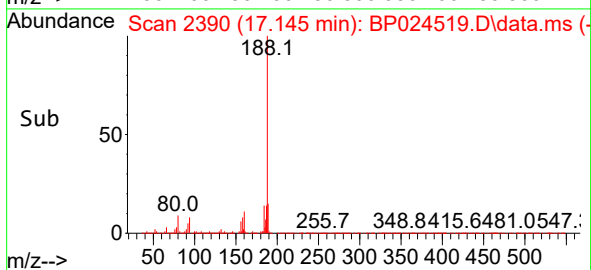
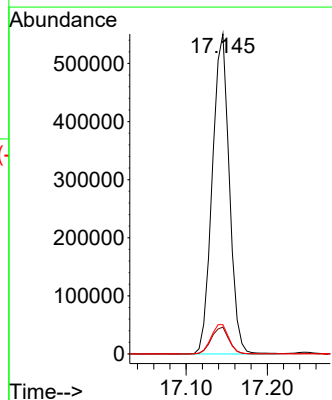
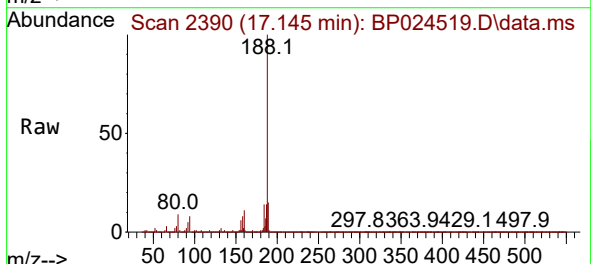
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ClientSampleId :
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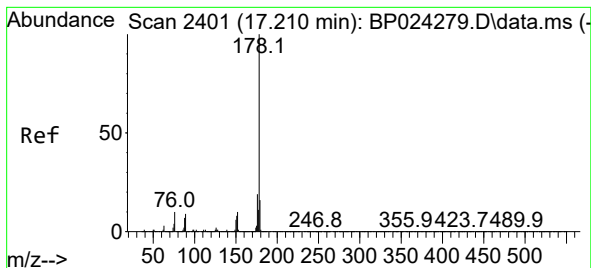
Tgt Ion:166 Resp: 131458
Ion Ratio Lower Upper
166 100
165 102.7 78.1 117.1
167 15.0 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:188 Resp: 801462
Ion Ratio Lower Upper
188 100
94 8.4 8.6 13.0#
80 9.2 9.8 14.6#





#71

Phenanthrene

Concen: 22.969 ng

RT: 17.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Instrument :

BNA_P

ClientSampleId :

MH-FDL

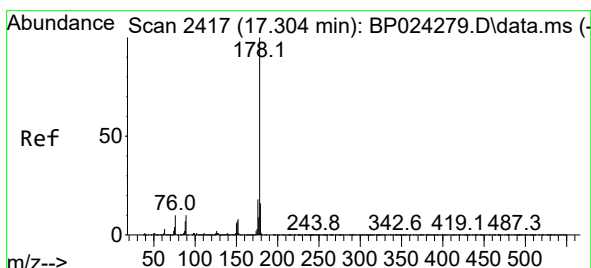
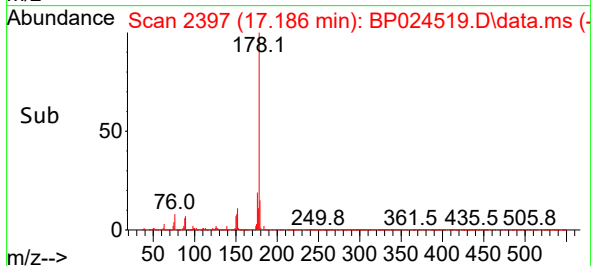
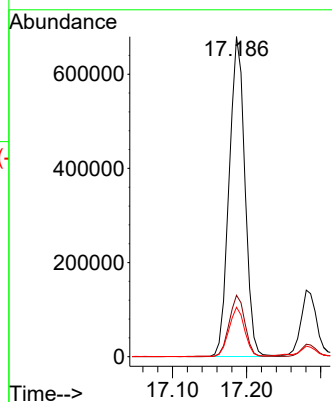
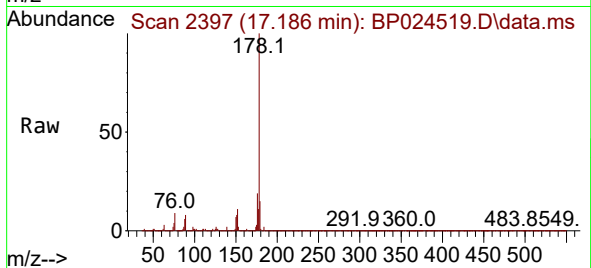
Tgt Ion:178 Resp: 1004254

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.4 12.5 18.7



#72

Anthracene

Concen: 4.780 ng

RT: 17.281 min Scan# 2413

Delta R.T. -0.006 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

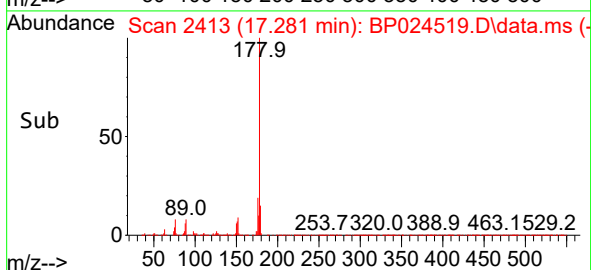
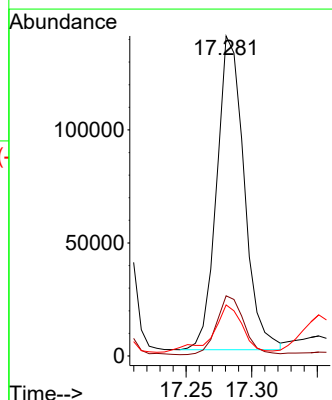
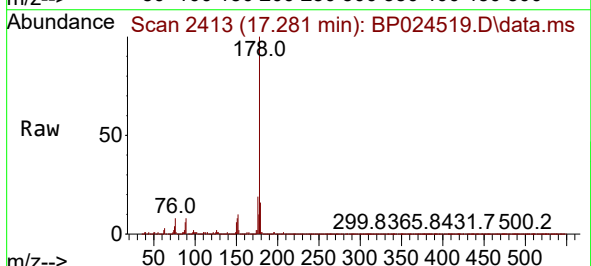
Tgt Ion:178 Resp: 201411

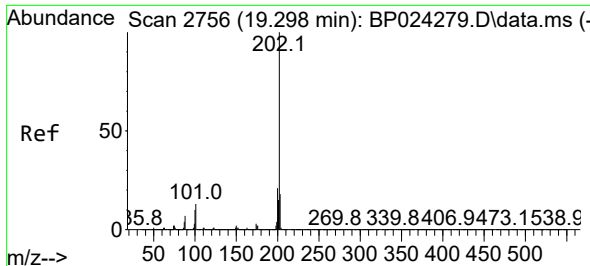
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.9 12.4 18.6

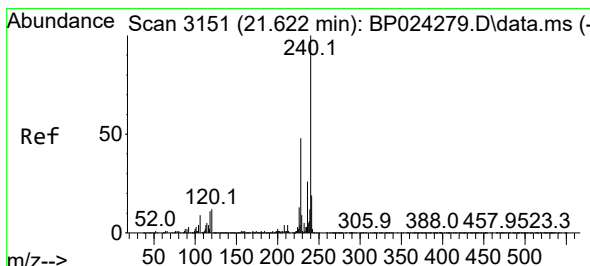
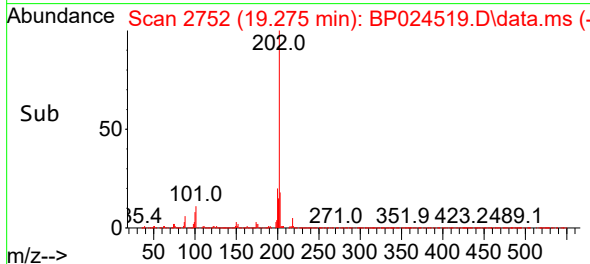
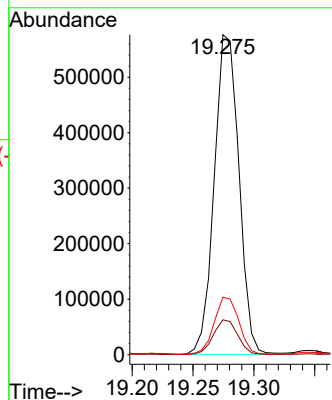
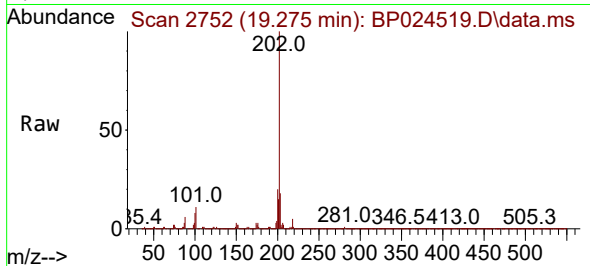




#75
Fluoranthene
Concen: 15.623 ng
RT: 19.275 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

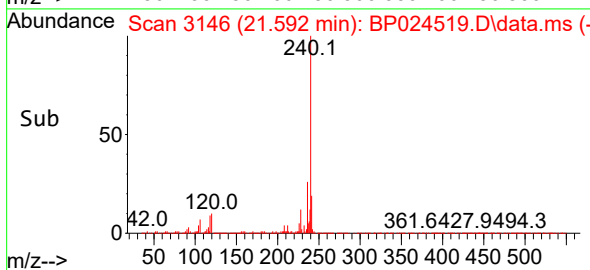
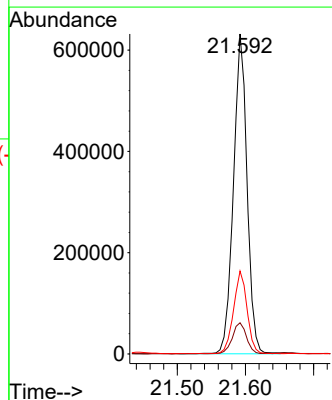
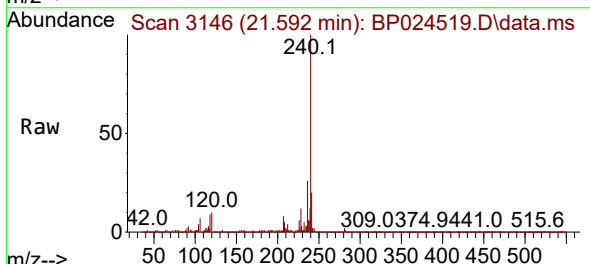
Instrument :
BNA_P
ClientSampleId :
MH-FDL

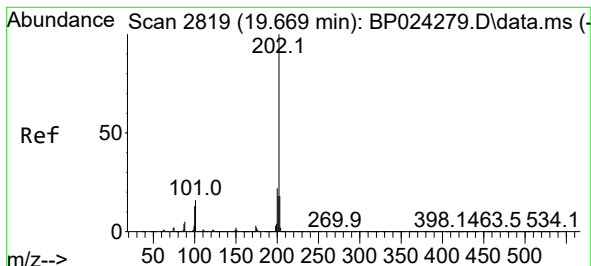
Tgt Ion:202 Resp: 812403
Ion Ratio Lower Upper
202 100
101 10.9 0.0 33.2
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:240 Resp: 876242
Ion Ratio Lower Upper
240 100
120 9.8 9.8 14.8#
236 25.9 20.9 31.3





#78

Pyrene

Concen: 23.712 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Instrument :

BNA_P

ClientSampleId :

MH-FDL

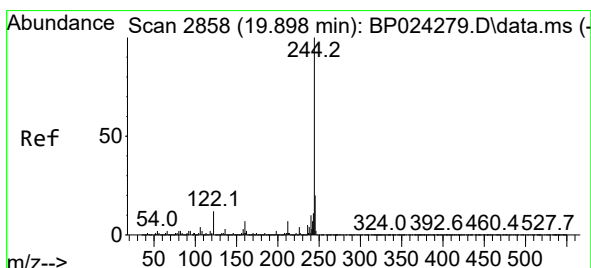
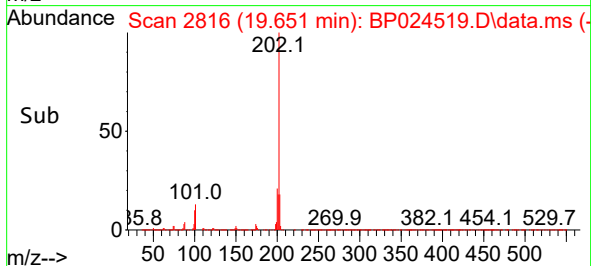
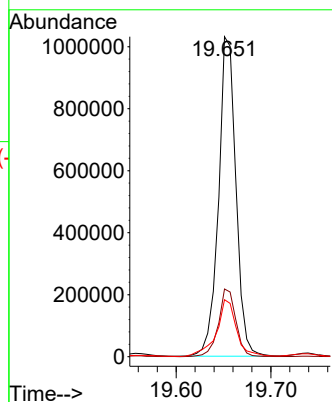
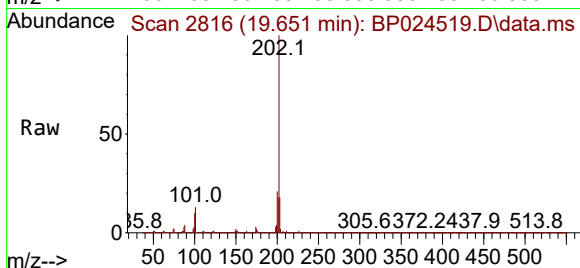
Tgt Ion:202 Resp: 1320428

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.8 14.4 21.6



#79

Terphenyl-d14

Concen: 12.827 ng

RT: 19.869 min Scan# 2853

Delta R.T. -0.006 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

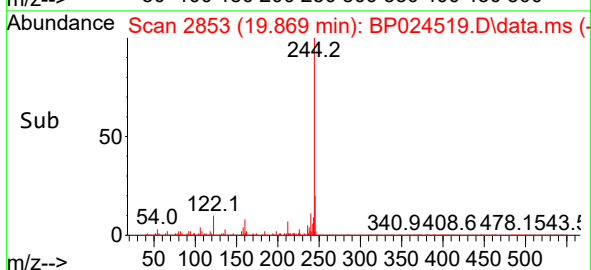
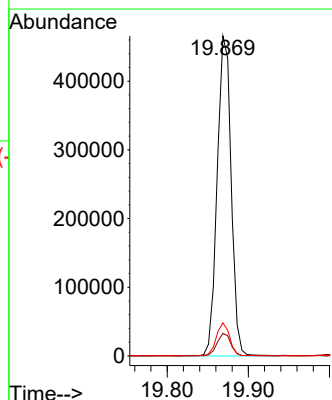
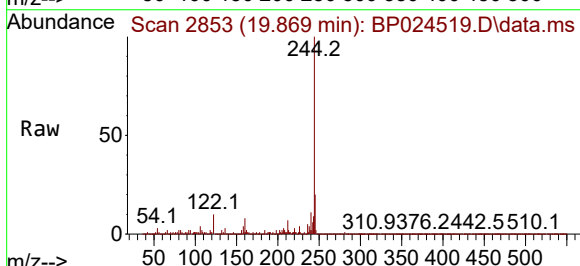
Tgt Ion:244 Resp: 557622

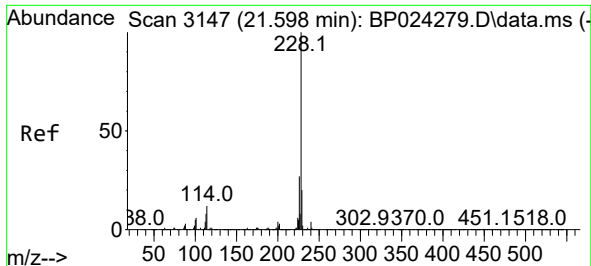
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.4 9.4 14.0

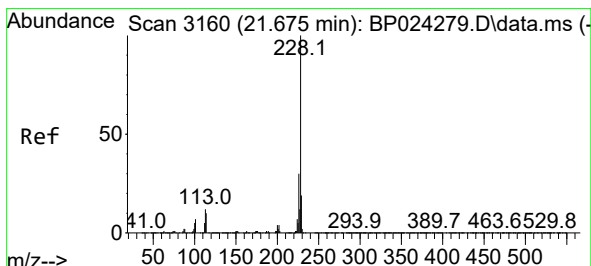
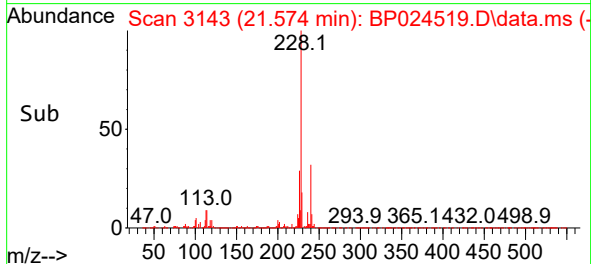
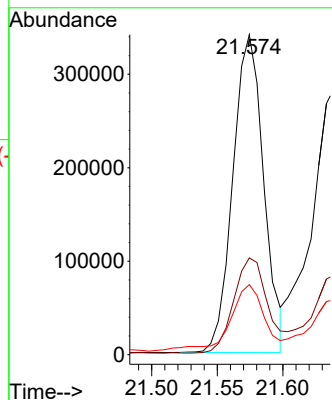
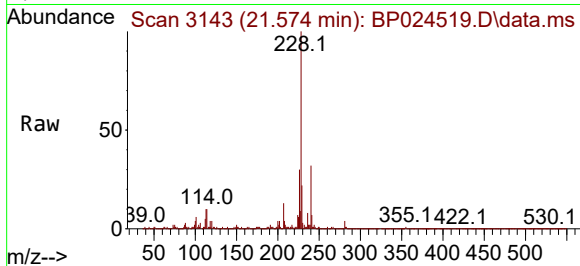




#81
Benzo(a)anthracene
Concen: 10.196 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

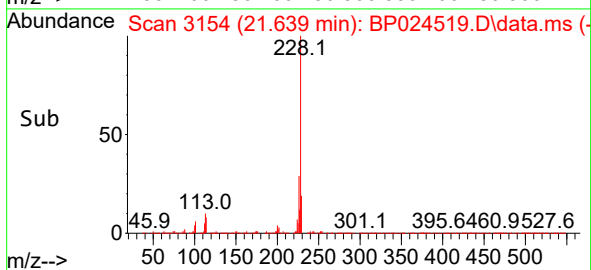
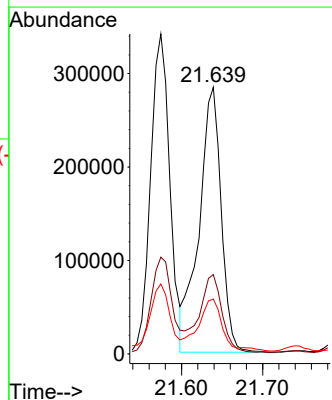
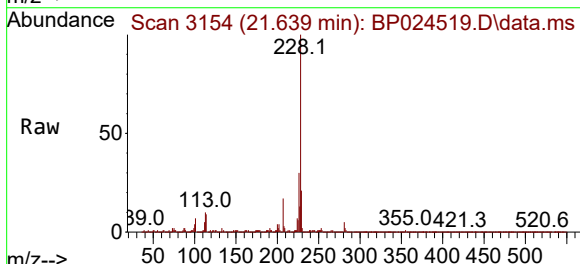
Instrument :
BNA_P
ClientSampleId :
MH-FDL

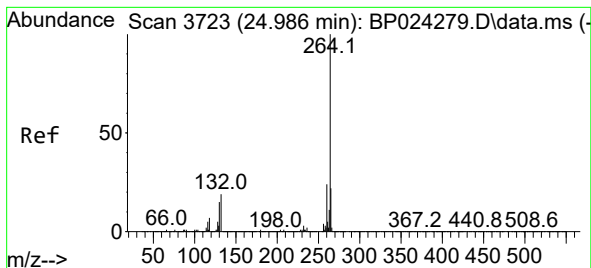
Tgt Ion:228 Resp: 555299
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 21.9 15.9 23.9



#83
Chrysene
Concen: 10.313 ng
RT: 21.639 min Scan# 3154
Delta R.T. 0.000 min
Lab File: BP024519.D
Acq: 02 May 2025 21:46

Tgt Ion:228 Resp: 538144
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 20.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.933 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Instrument :

BNA_P

ClientSampleId :

MH-FDL

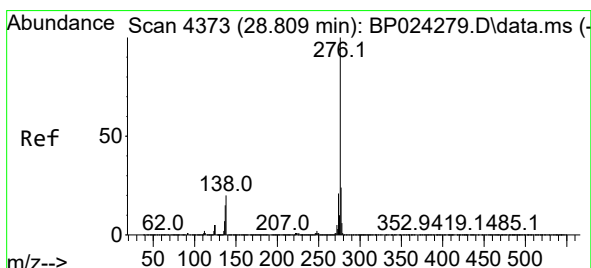
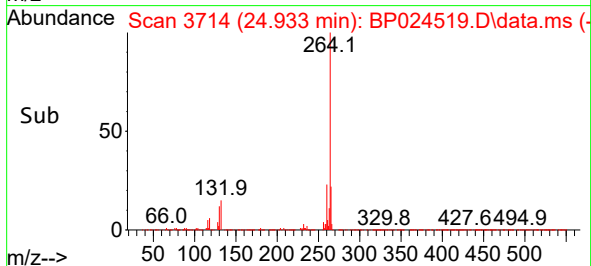
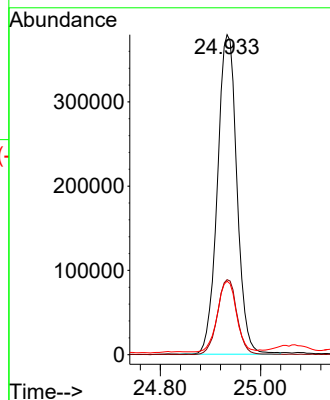
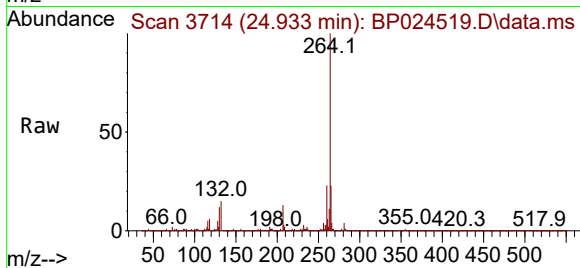
Tgt Ion:264 Resp: 1023650

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 23.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.308 ng

RT: 28.721 min Scan# 4358

Delta R.T. -0.018 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

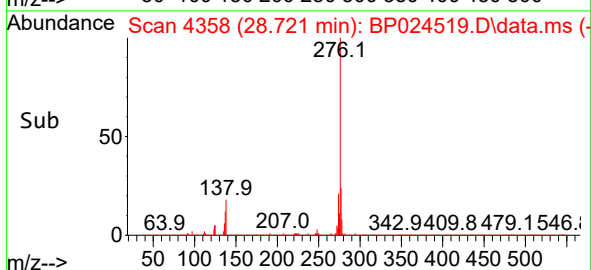
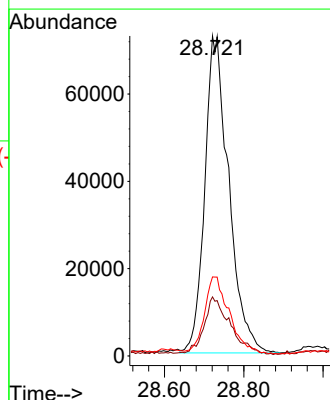
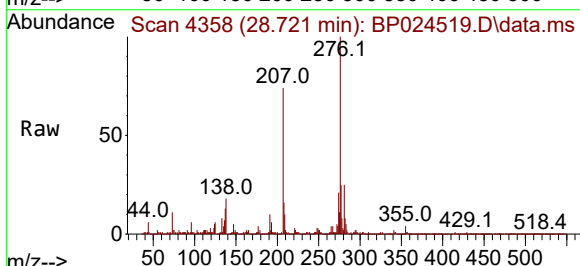
Tgt Ion:276 Resp: 306169

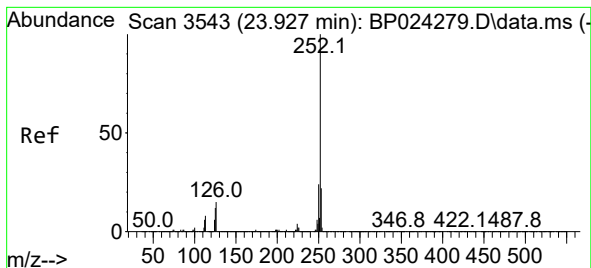
Ion Ratio Lower Upper

276 100

138 19.3 14.5 21.7

277 25.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.467 ng

RT: 23.886 min Scan# 3536

Delta R.T. 0.000 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Instrument :

BNA_P

ClientSampleId :

MH-FDL

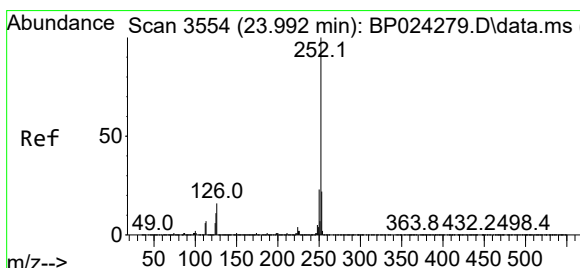
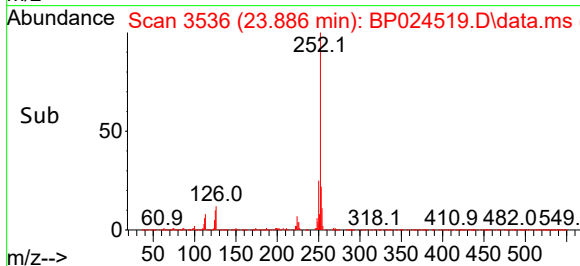
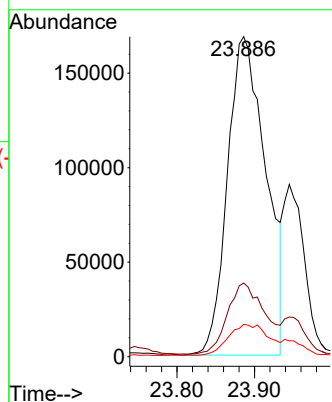
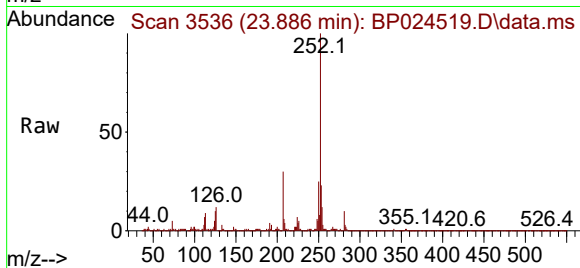
Tgt Ion:252 Resp: 580871

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 10.1 9.4 14.0



#89

Benzo(k)fluoranthene

Concen: 2.738 ng

RT: 23.945 min Scan# 3546

Delta R.T. -0.012 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

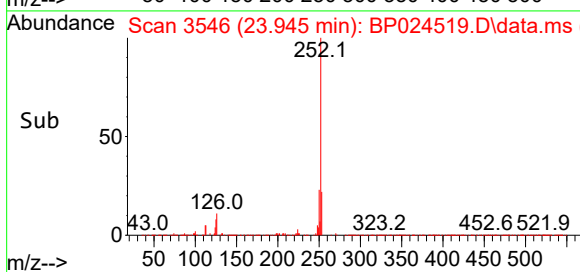
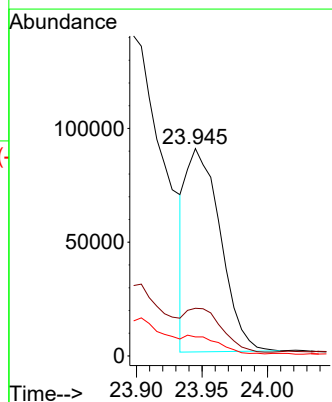
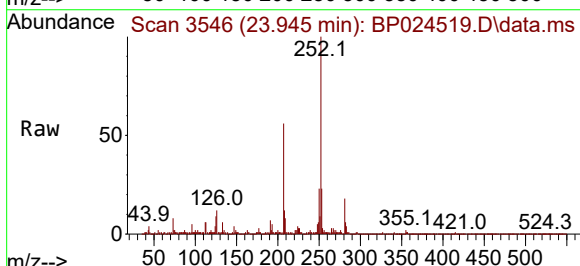
Tgt Ion:252 Resp: 162289

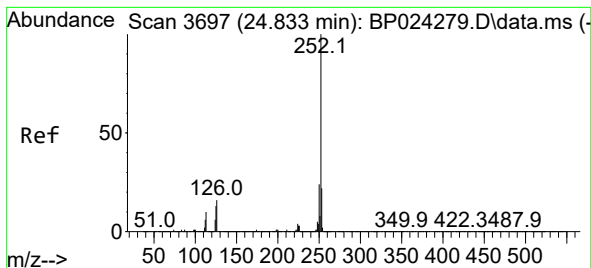
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 9.2 9.1 13.7





#90

Benzo(a)pyrene

Concen: 9.321 ng

RT: 24.780 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Instrument :

BNA_P

ClientSampleId :

MH-FDL

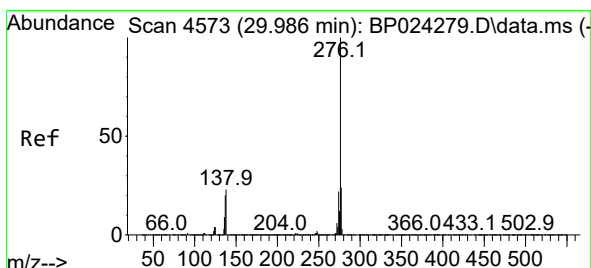
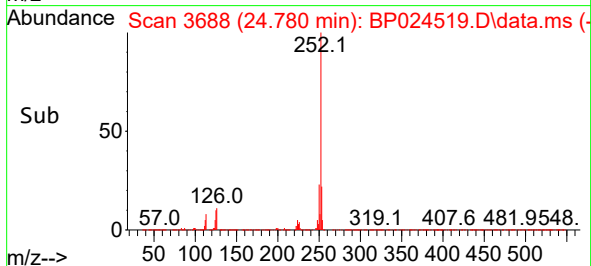
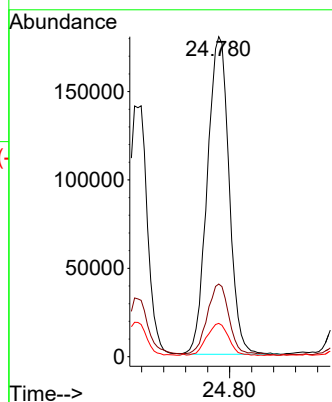
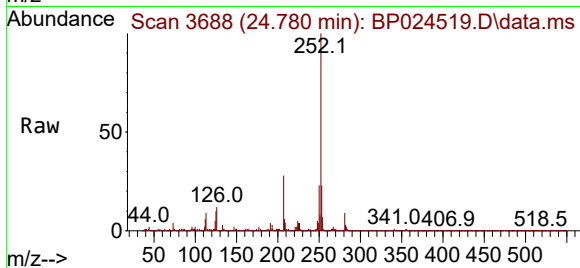
Tgt Ion:252 Resp: 493335

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 10.4 10.1 15.1



#92

Benzo(g,h,i)perylene

Concen: 5.548 ng

RT: 29.903 min Scan# 4559

Delta R.T. 0.006 min

Lab File: BP024519.D

Acq: 02 May 2025 21:46

Tgt Ion:276 Resp: 333077

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 19.7 18.7 28.1

