

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
 Data File : BP024491.D
 Acq On : 01 May 2025 14:05
 Operator : RC/JU
 Sample : Q1902-02DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 343DL

Quant Time: May 01 14:43:45 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)

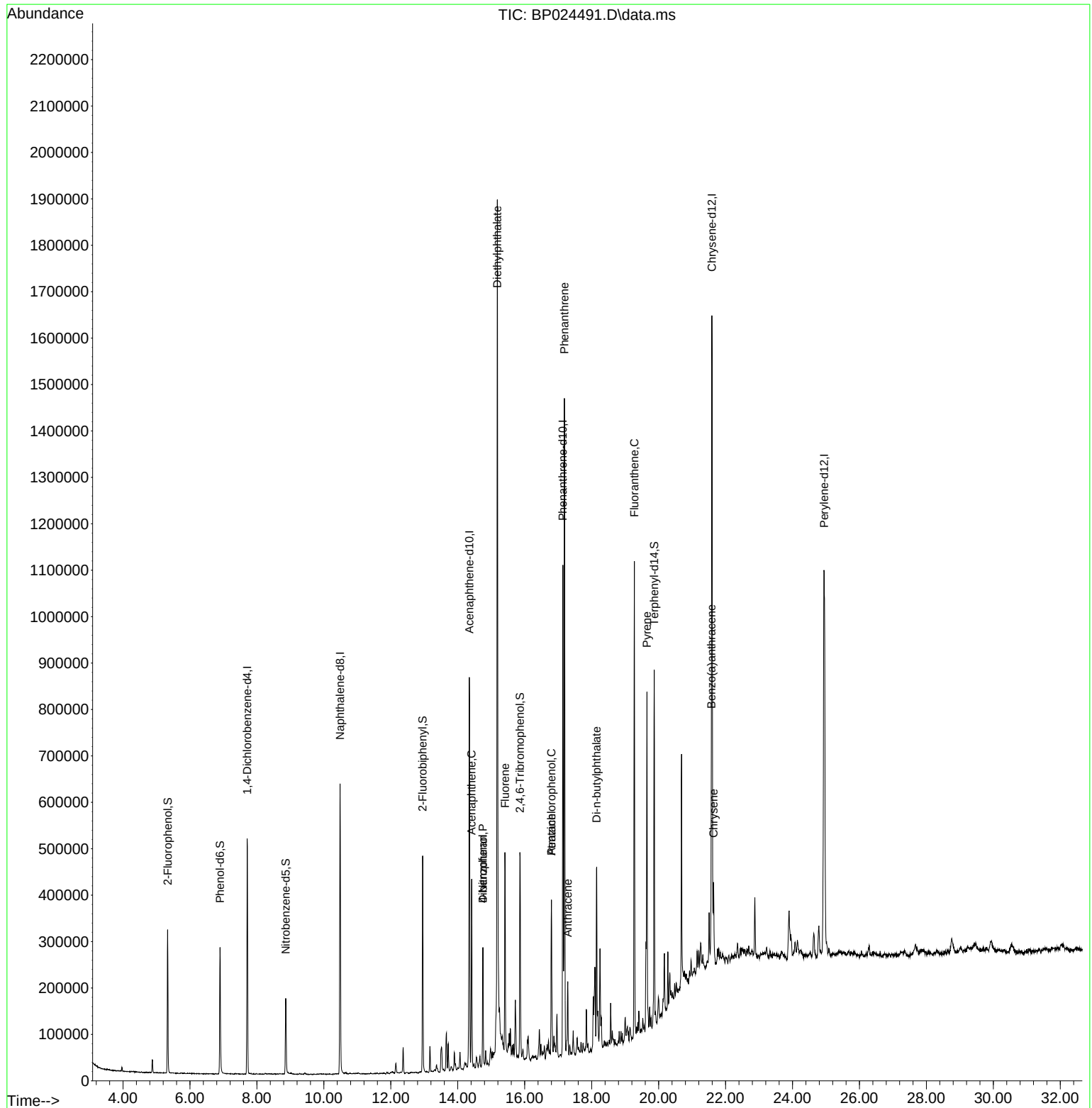
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	136804	20.000	ng	-0.01
21) Naphthalene-d8	10.487	136	530235	20.000	ng	#-0.01
39) Acenaphthene-d10	14.345	164	315063	20.000	ng	0.00
64) Phenanthrene-d10	17.139	188	612171	20.000	ng	# 0.00
76) Chrysene-d12	21.592	240	776241	20.000	ng	0.00
86) Perylene-d12	24.945	264	987970	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	133521	16.138	ng	-0.01
7) Phenol-d6	6.899	99	167105	14.750	ng	-0.01
23) Nitrobenzene-d5	8.863	82	103282	11.107	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	82226	18.863	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	240040	11.665	ng	-0.01
79) Terphenyl-d14	19.869	244	393237	10.211	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.416	154	147220	8.521	ng	99
55) Dibenzofuran	14.751	168	158833	5.625	ng	95
56) 4-Nitrophenol	14.751	139	65152	14.753	ng	# 13
58) Fluorene	15.410	166	182325	8.340	ng	98
60) Diethylphthalate	15.181	149	1341738	56.826	ng	99
69) Atrazine	16.798	200	12934	2.779	ng	# 38
70) Pentachlorophenol	16.798	266	71864	12.948	ng	98
71) Phenanthrene	17.186	178	838316	25.103	ng	100
72) Anthracene	17.286	178	100392	3.119	ng	99
74) Di-n-butylphthalate	18.151	149	355398	9.071	ng	100
75) Fluoranthene	19.275	202	598694	15.073	ng	97
78) Pyrene	19.651	202	420286	8.520	ng	99
81) Benzo(a)anthracene	21.575	228	131625	2.728	ng	98
83) Chrysene	21.639	228	123228	2.666	ng	98

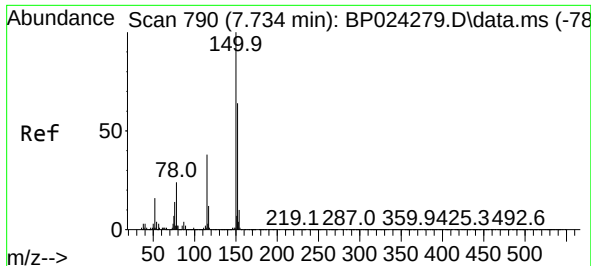
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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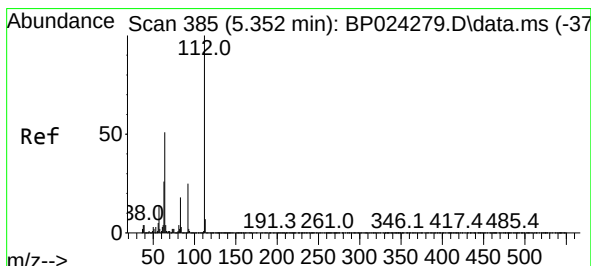
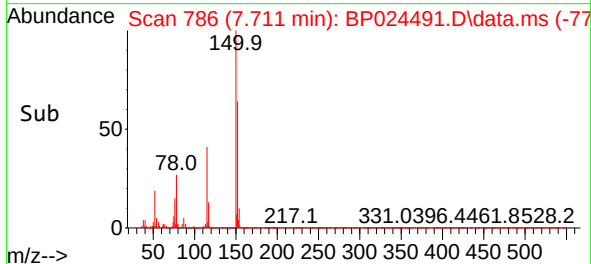
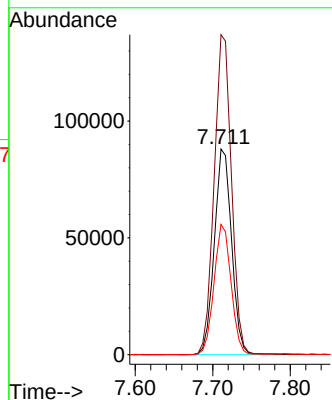
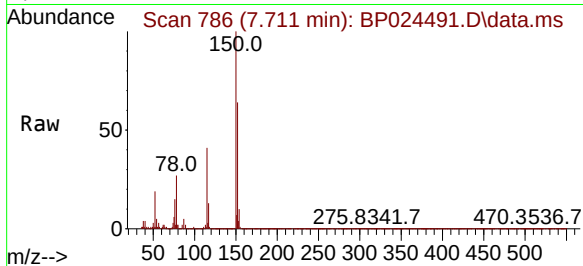




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.711 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

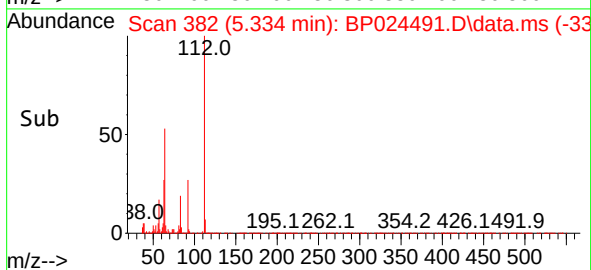
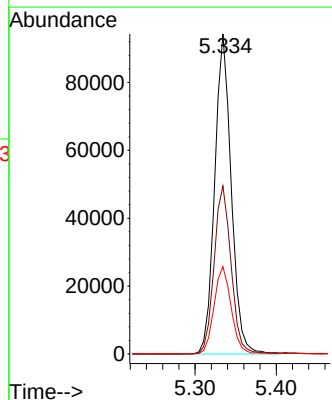
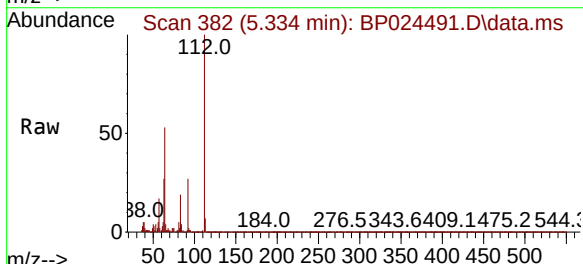
Instrument :
 BNA_P
 ClientSampleId :
 343DL

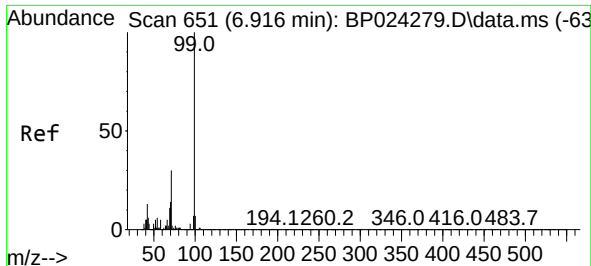
Tgt Ion:152 Resp: 136804
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.9 187.3
 115 63.4 47.7 71.5



#5
 2-Fluorophenol
 Concen: 16.138 ng
 RT: 5.334 min Scan# 382
 Delta R.T. -0.012 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

Tgt Ion:112 Resp: 133521
 Ion Ratio Lower Upper
 112 100
 64 52.5 41.1 61.7
 63 27.3 20.6 30.8

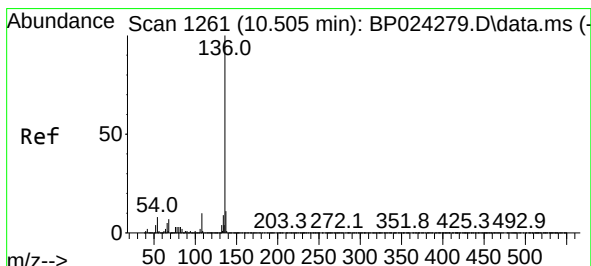
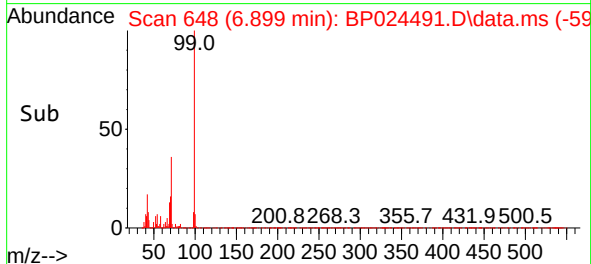
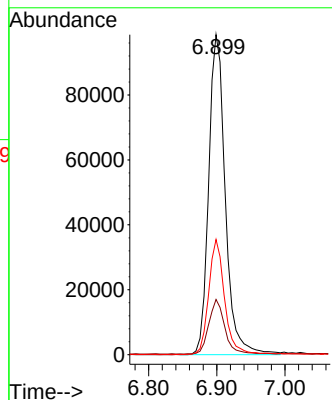
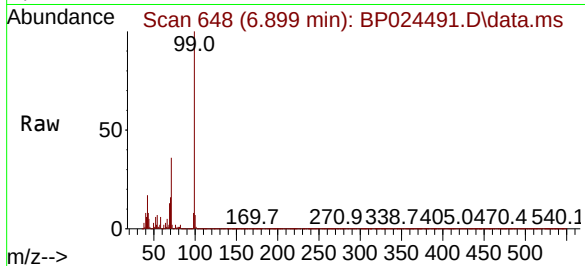




#7
Phenol-d6
Concen: 14.750 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

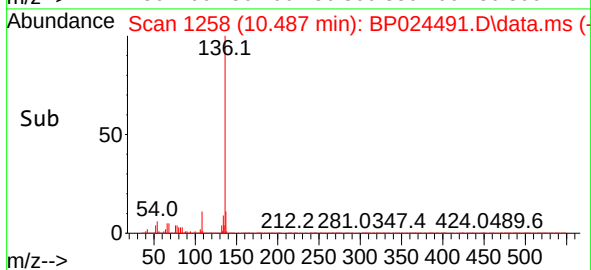
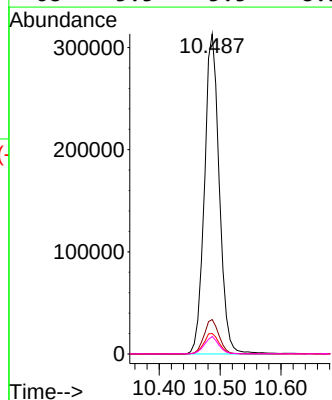
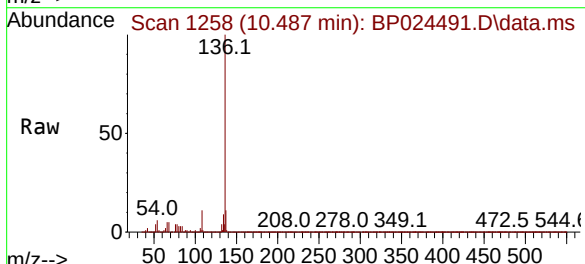
Instrument :
BNA_P
ClientSampleId :
343DL

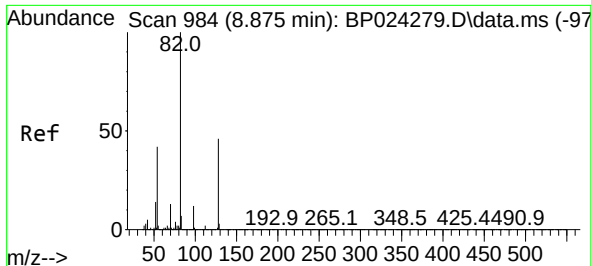
Tgt Ion: 99 Resp: 167105
Ion Ratio Lower Upper
99 100
42 17.3 10.6 16.0#
71 36.0 23.7 35.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion:136 Resp: 530235
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 6.4 6.0 9.0
68 5.5 5.5 8.3#

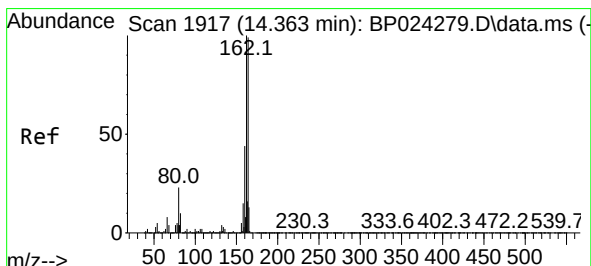
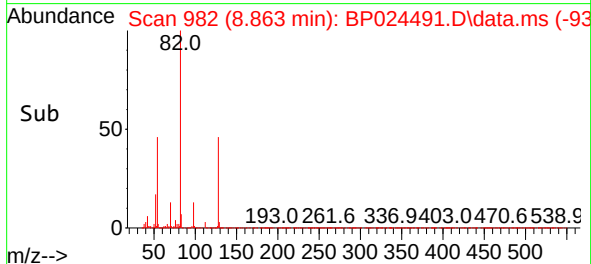
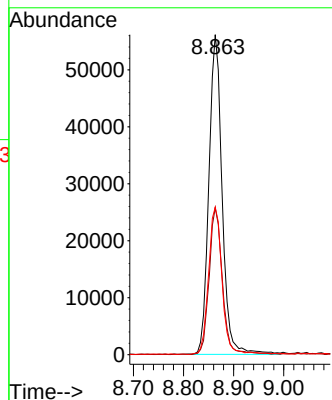
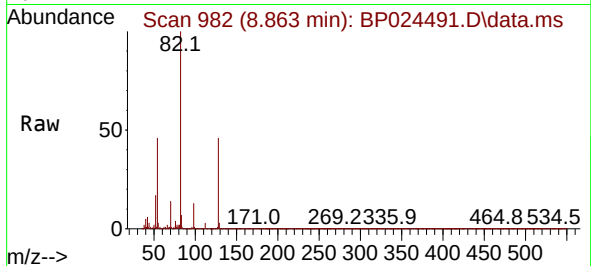




#23
Nitrobenzene-d5
Concen: 11.107 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

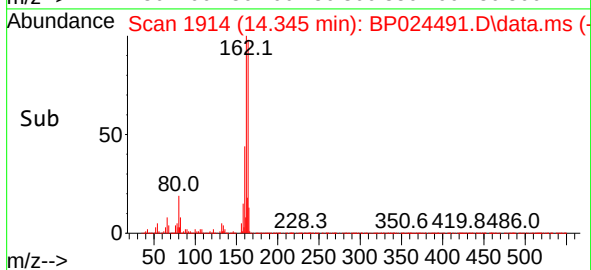
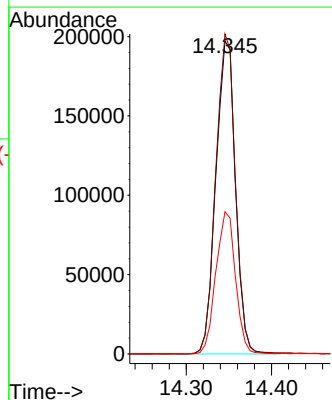
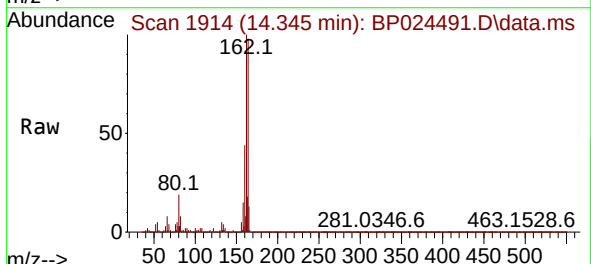
Instrument :
BNA_P
ClientSampleId :
343DL

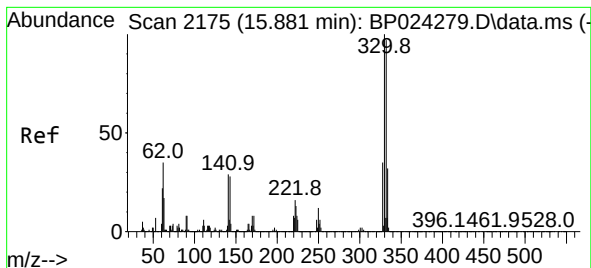
Tgt Ion: 82 Resp: 103282
Ion Ratio Lower Upper
82 100
128 45.9 36.5 54.7
54 46.1 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion: 164 Resp: 315063
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.4 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 18.863 ng

RT: 15.863 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

Instrument :

BNA_P

ClientSampleId :

343DL

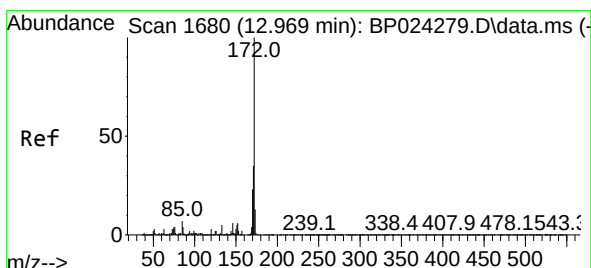
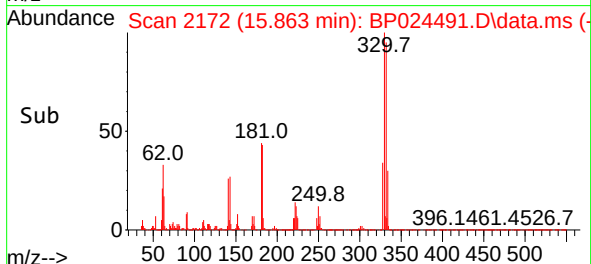
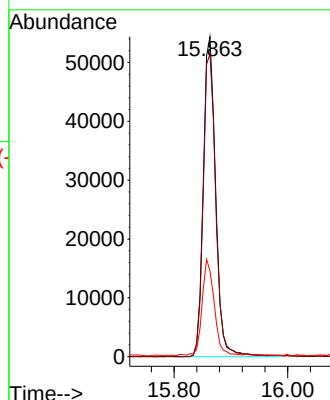
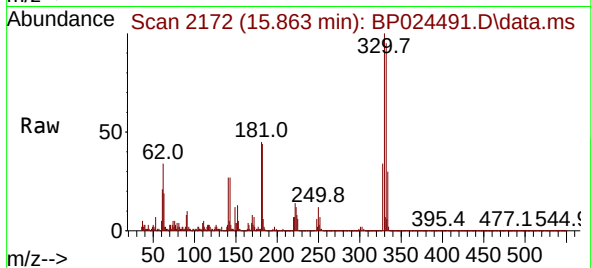
Tgt Ion:330 Resp: 82226

Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 11.665 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

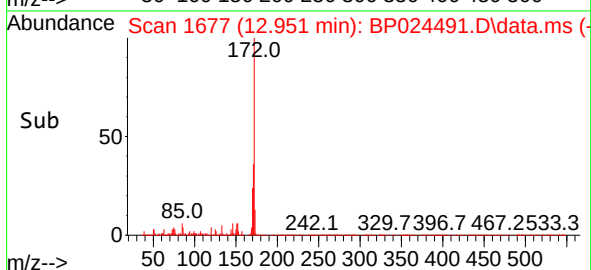
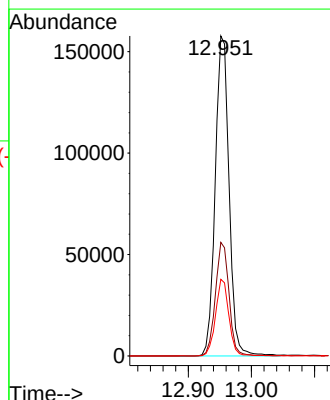
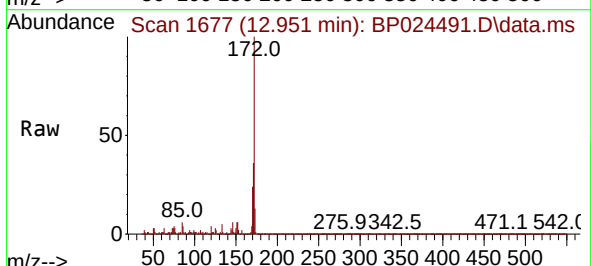
Tgt Ion:172 Resp: 240040

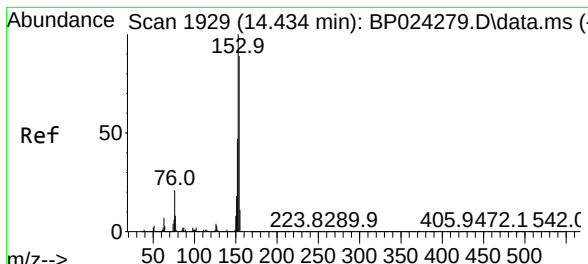
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 24.0 18.6 27.8



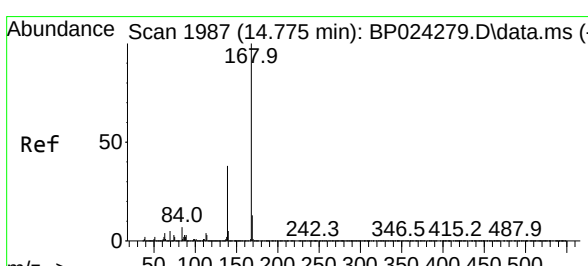
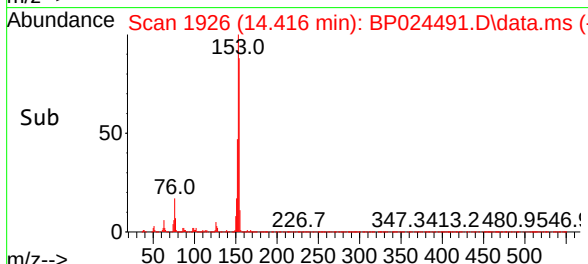
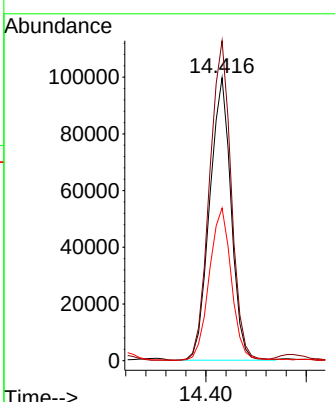
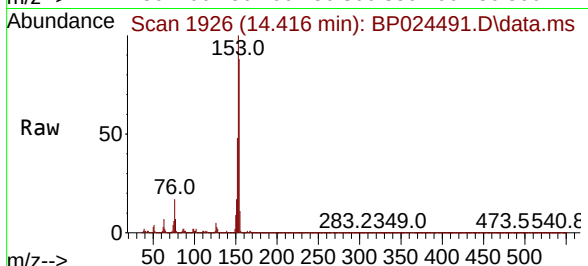


#52
 Acenaphthene
 Concen: 8.521 ng
 RT: 14.416 min Scan# 1926
 Delta R.T. -0.006 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

Instrument :
 BNA_P
 ClientSampleId :
 343DL

Tgt Ion:154 Resp: 147220

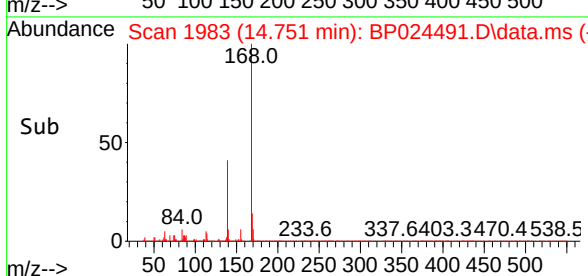
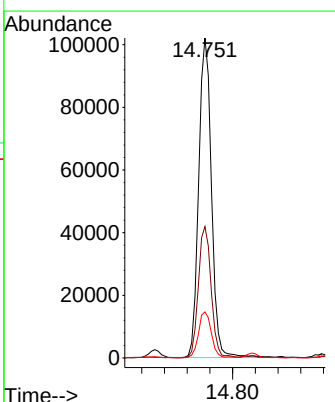
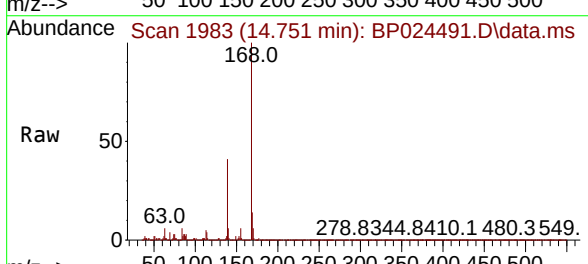
Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.8	134.6
152	53.9	42.6	63.8

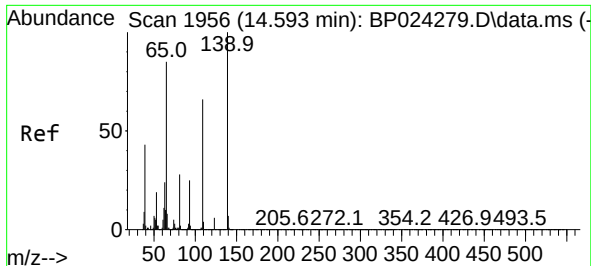


#55
 Dibenzofuran
 Concen: 5.625 ng
 RT: 14.751 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

Tgt Ion:168 Resp: 158833

Ion	Ratio	Lower	Upper
168	100		
139	41.1	30.3	45.5
169	14.4	10.6	16.0

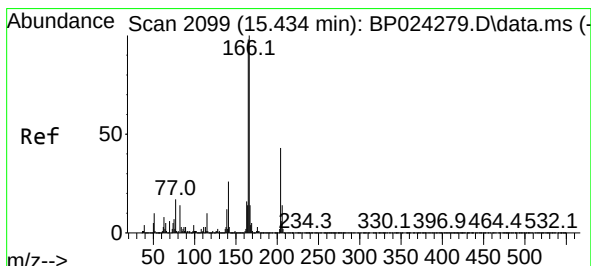
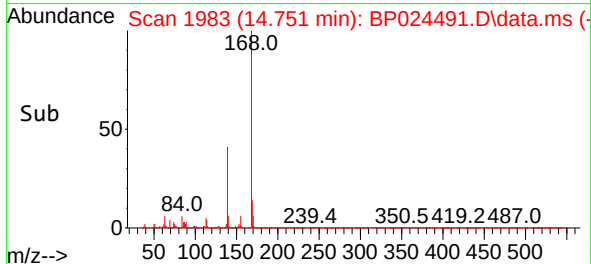
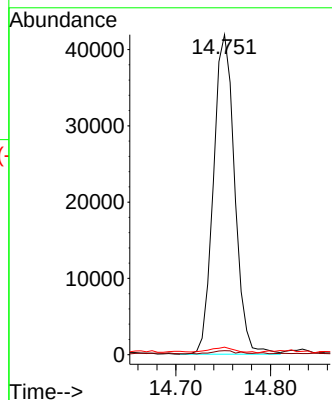
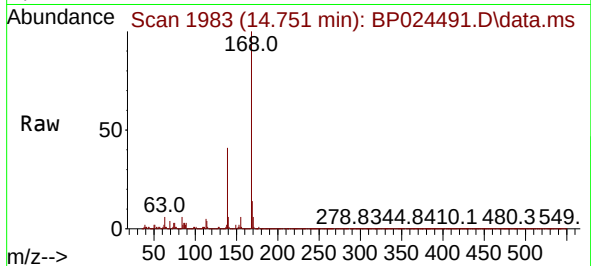




#56
4-Nitrophenol
Concen: 14.753 ng
RT: 14.751 min Scan# 1956
Delta R.T. 0.159 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

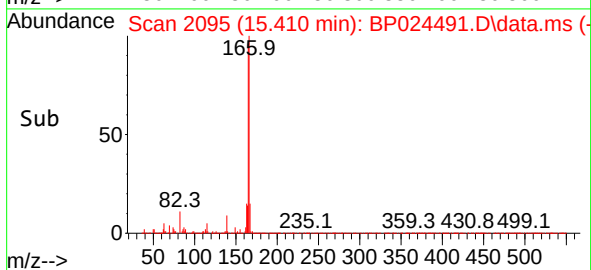
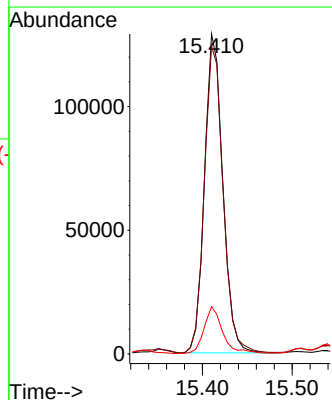
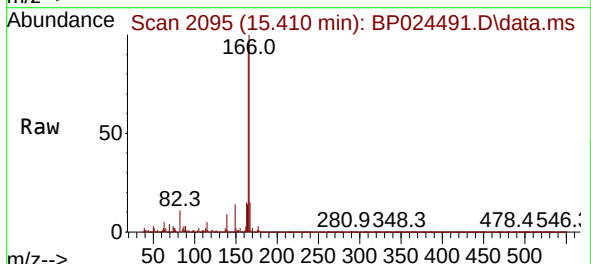
Instrument :
BNA_P
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343DL

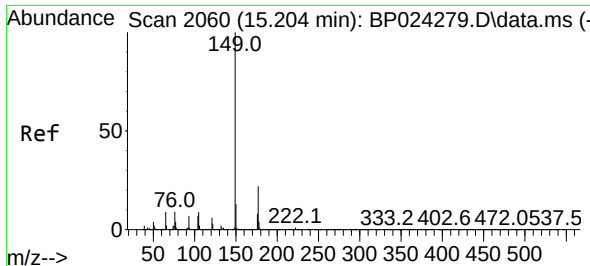
Tgt Ion:139 Resp: 65152
Ion Ratio Lower Upper
139 100
109 1.2 46.1 86.1#
65 2.4 65.0 105.0#



#58
Fluorene
Concen: 8.340 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion:166 Resp: 182325
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 14.8 10.9 16.3

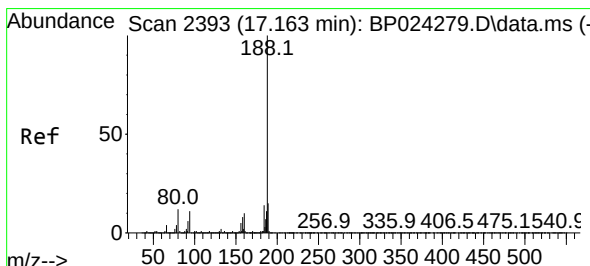
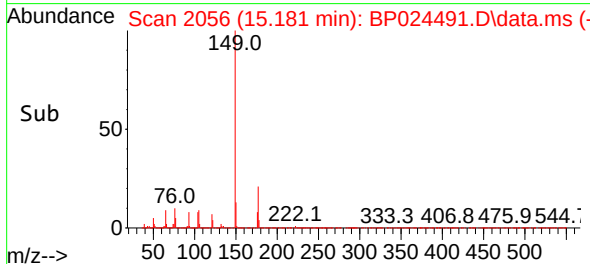
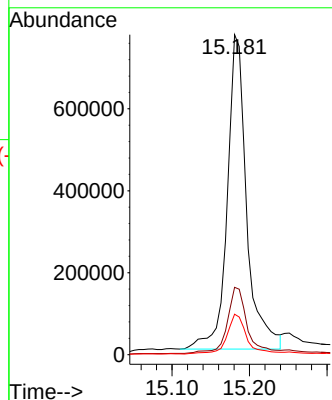
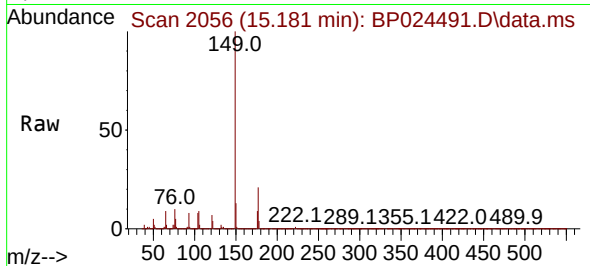




#60
Diethylphthalate
Concen: 56.826 ng
RT: 15.181 min Scan# 2060
Delta R.T. -0.012 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

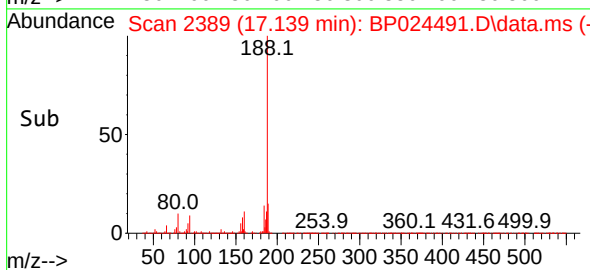
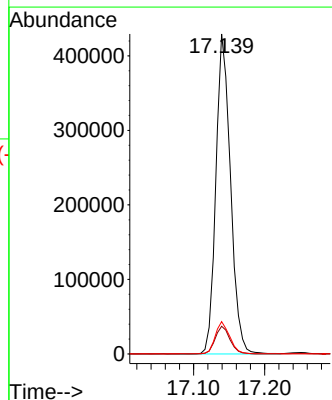
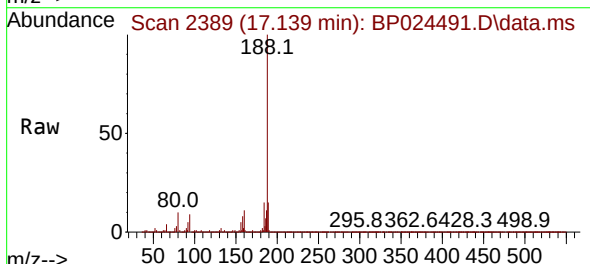
Instrument :
BNA_P
ClientSampleId :
343DL

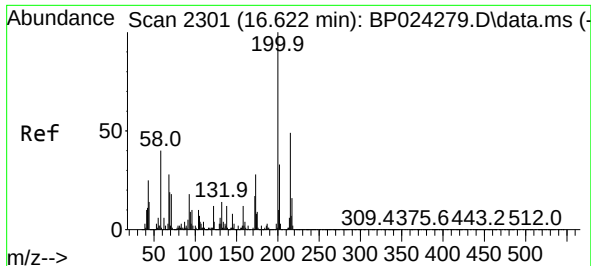
Tgt Ion:149 Resp: 1341738
Ion Ratio Lower Upper
149 100
177 21.0 17.4 26.2
150 12.7 10.1 15.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion:188 Resp: 612171
Ion Ratio Lower Upper
188 100
94 8.6 8.6 13.0#
80 10.1 9.8 14.6

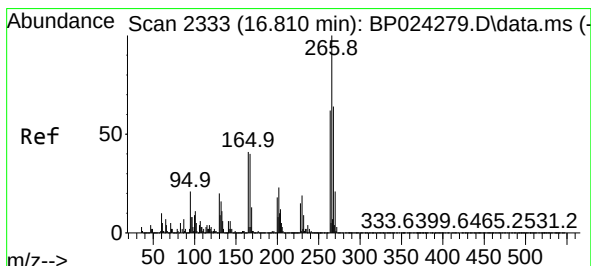
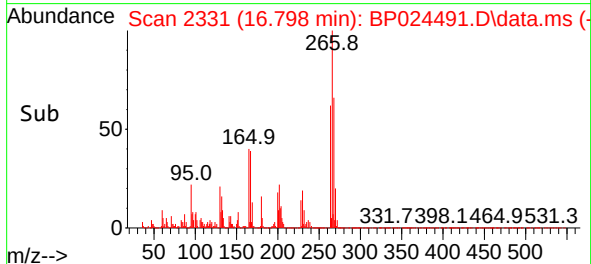
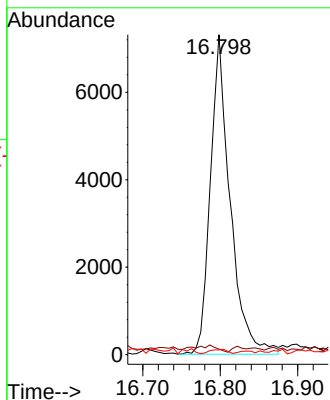
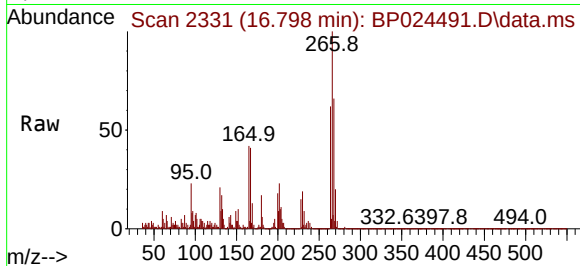




#69
 Atrazine
 Concen: 2.779 ng
 RT: 16.798 min Scan# 21
 Delta R.T. 0.188 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

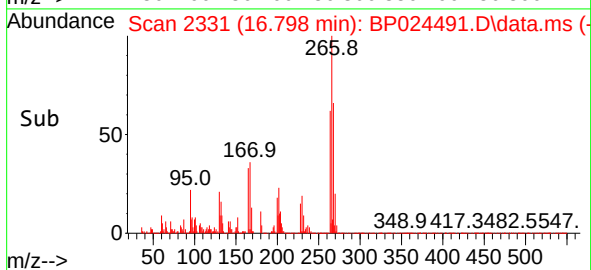
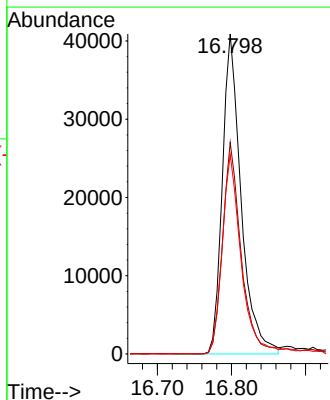
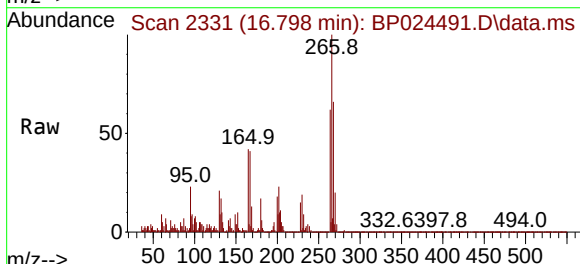
Instrument :
 BNA_P
 ClientSampleId :
 343DL

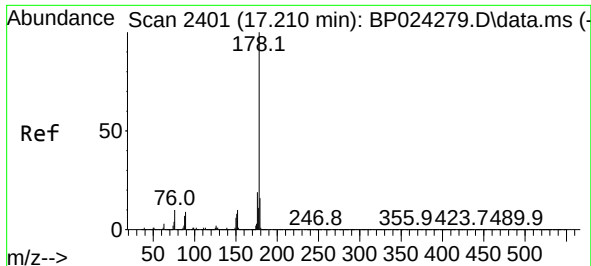
Tgt Ion:200 Resp: 12934
 Ion Ratio Lower Upper
 200 100
 173 1.8 7.5 47.5#
 215 1.5 28.8 68.8#



#70
 Pentachlorophenol
 Concen: 12.948 ng
 RT: 16.798 min Scan# 2331
 Delta R.T. 0.000 min
 Lab File: BP024491.D
 Acq: 01 May 2025 14:05

Tgt Ion:266 Resp: 71864
 Ion Ratio Lower Upper
 266 100
 268 66.1 51.0 76.6
 264 62.3 49.8 74.6

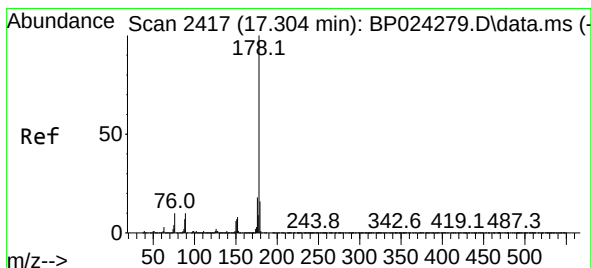
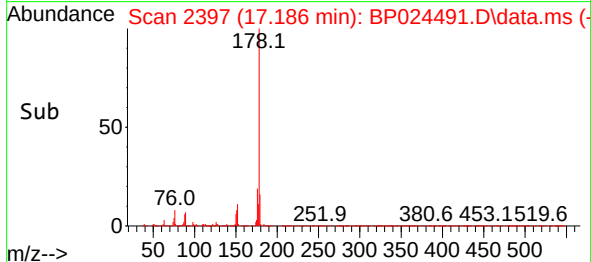
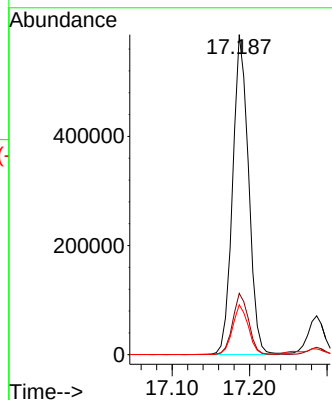
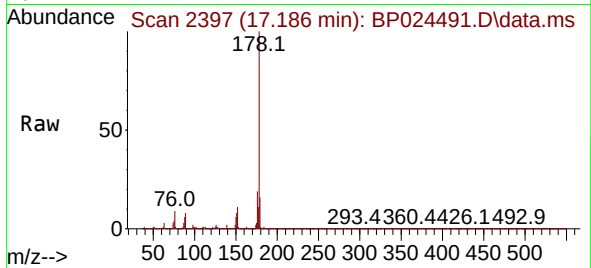




#71
Phenanthrene
Concen: 25.103 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

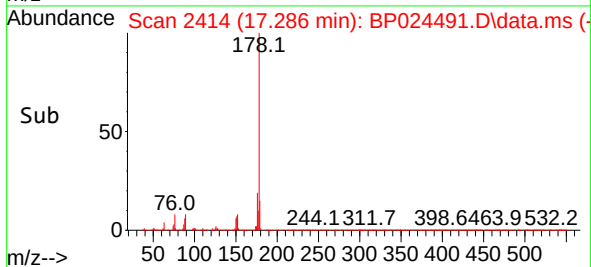
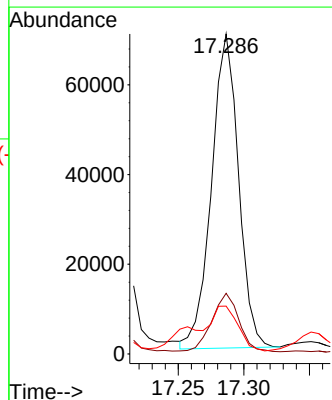
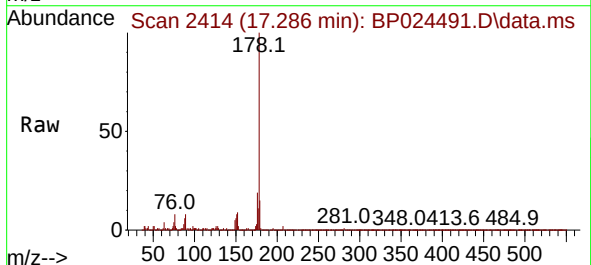
Instrument :
BNA_P
ClientSampleId :
343DL

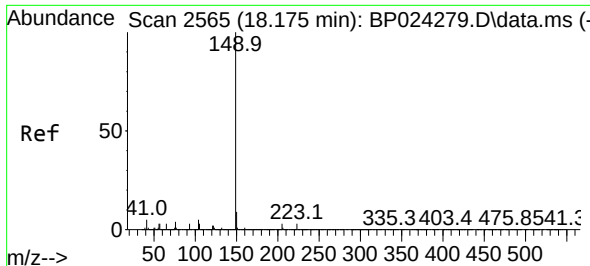
Tgt Ion:178 Resp: 838316
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.6 12.5 18.7



#72
Anthracene
Concen: 3.119 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion:178 Resp: 100392
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 14.9 12.4 18.6

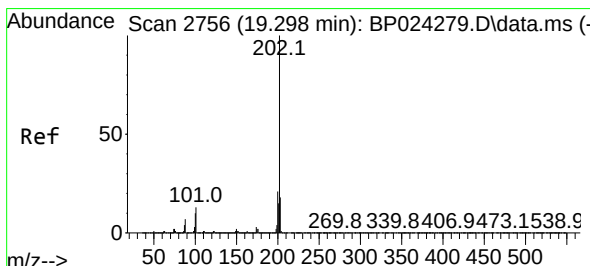
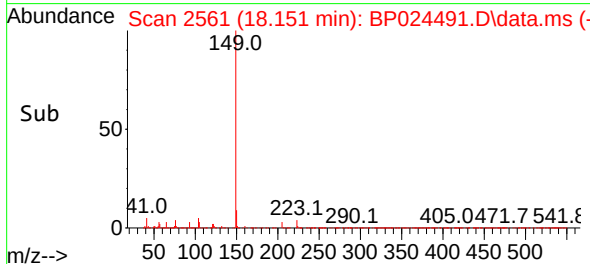
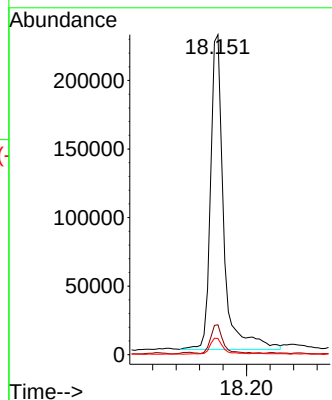
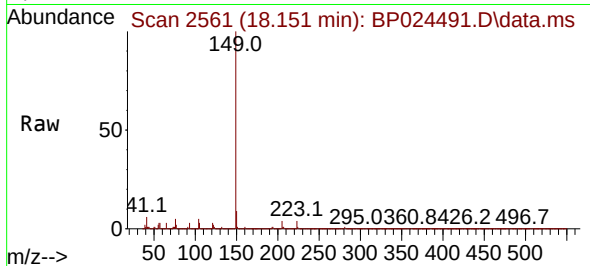




#74
Di-n-butylphthalate
Concen: 9.071 ng
RT: 18.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

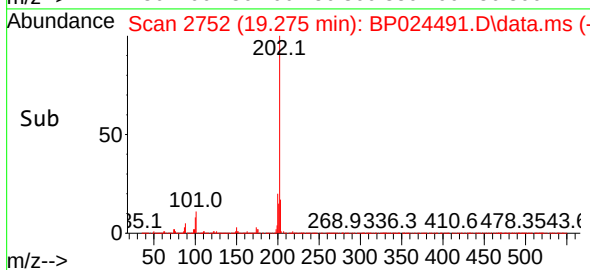
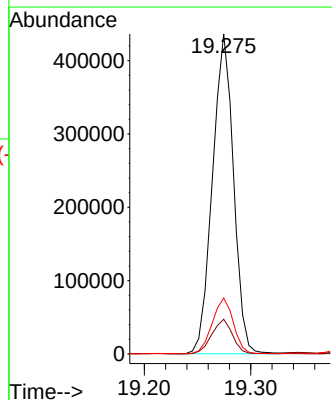
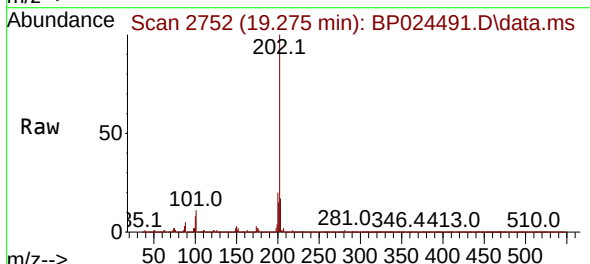
Instrument :
BNA_P
ClientSampleId :
343DL

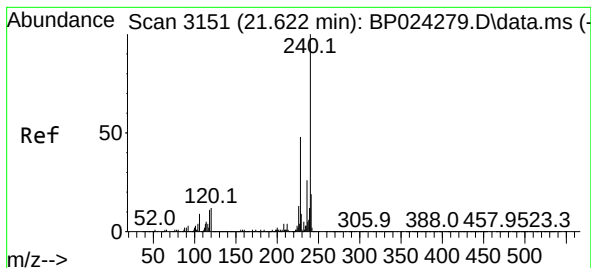
Tgt Ion:149 Resp: 355398
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.0 3.9 5.9



#75
Fluoranthene
Concen: 15.073 ng
RT: 19.275 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BP024491.D
Acq: 01 May 2025 14:05

Tgt Ion:202 Resp: 598694
Ion Ratio Lower Upper
202 100
101 10.8 0.0 33.2
203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.592 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

Instrument :

BNA_P

ClientSampleId :

343DL

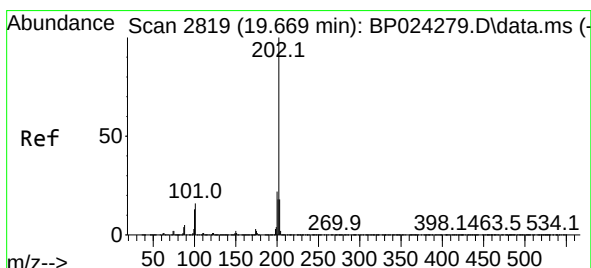
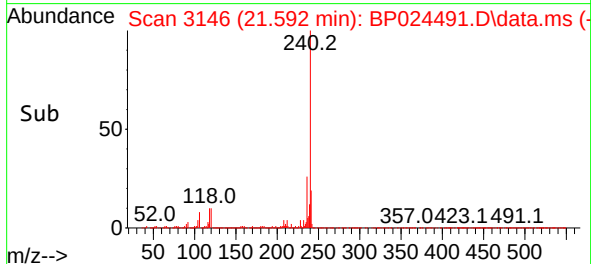
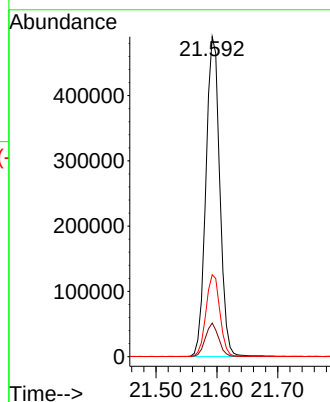
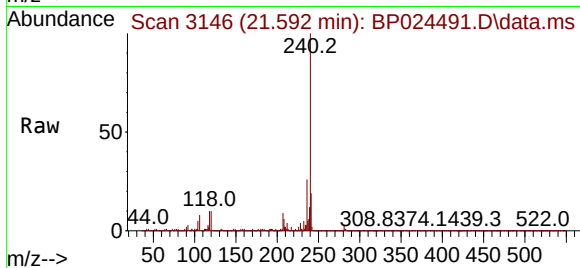
Tgt Ion:240 Resp: 776241

Ion Ratio Lower Upper

240 100

120 10.5 9.8 14.8

236 25.6 20.9 31.3



#78

Pyrene

Concen: 8.520 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

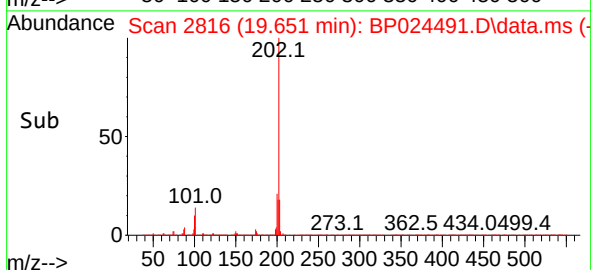
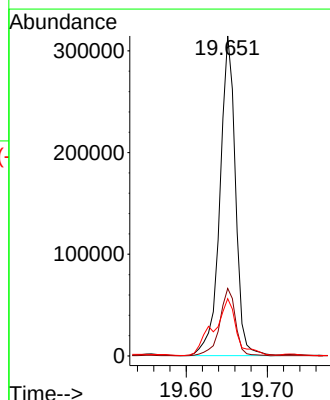
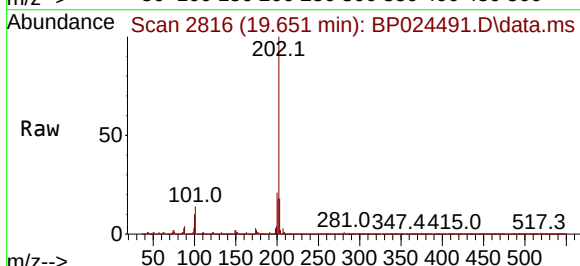
Tgt Ion:202 Resp: 420286

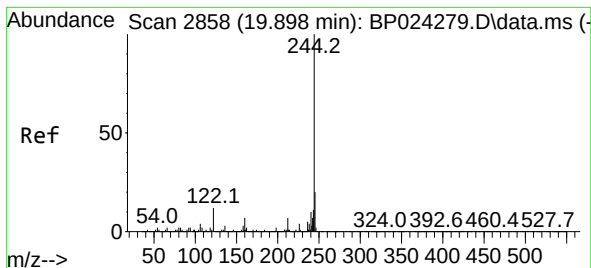
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 10.211 ng

RT: 19.869 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

Instrument :

BNA_P

ClientSampleId :

343DL

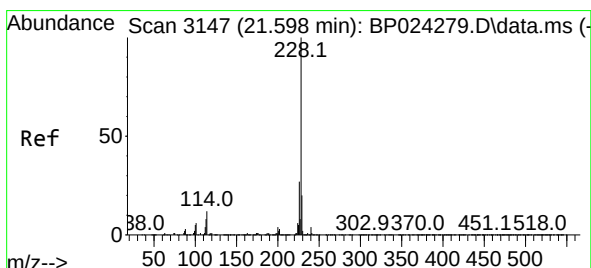
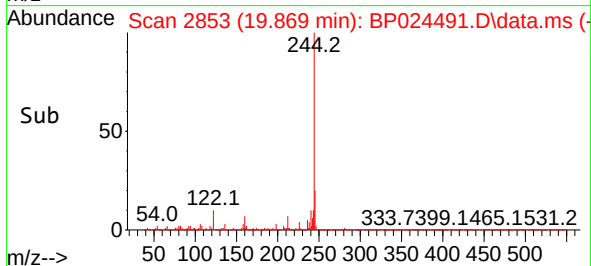
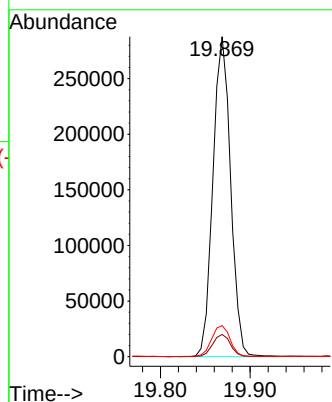
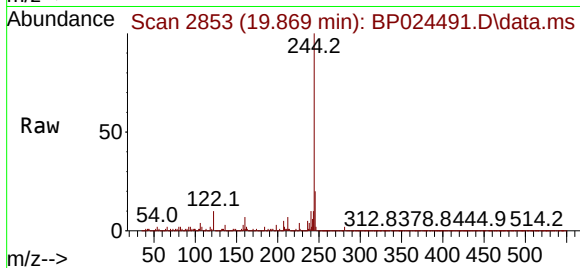
Tgt Ion:244 Resp: 393237

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.7 9.4 14.0



#81

Benzo(a)anthracene

Concen: 2.728 ng

RT: 21.575 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

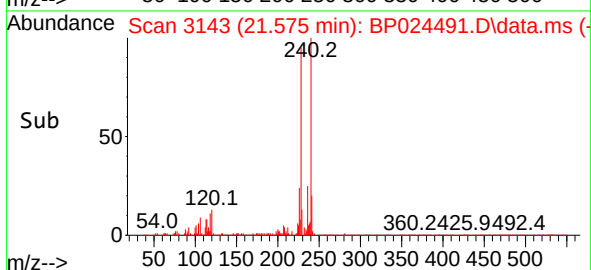
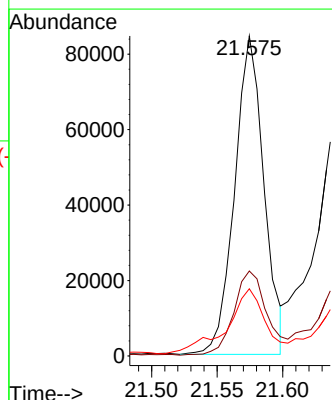
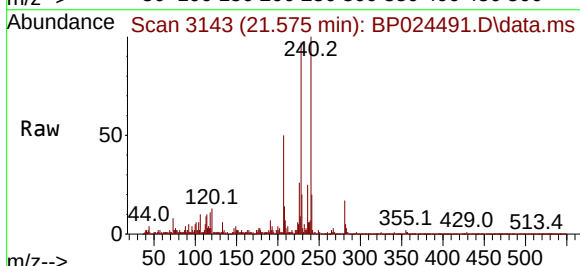
Tgt Ion:228 Resp: 131625

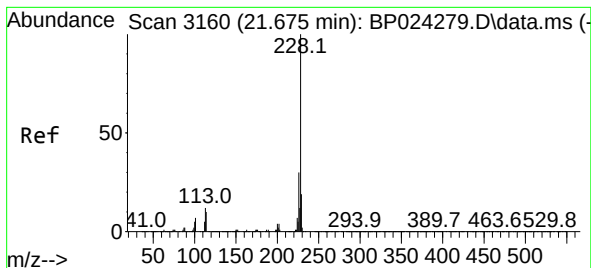
Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.8

229 21.0 15.9 23.9





#83

Chrysene

Concen: 2.666 ng

RT: 21.639 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

Instrument :

BNA_P

ClientSampleId :

343DL

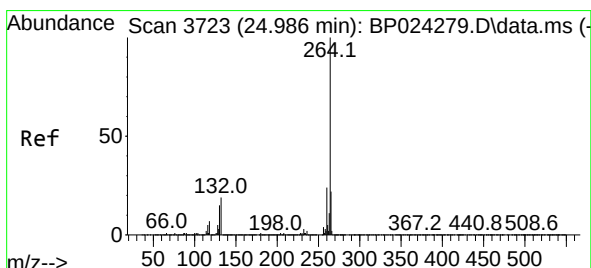
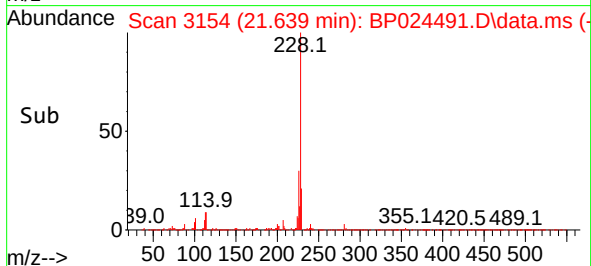
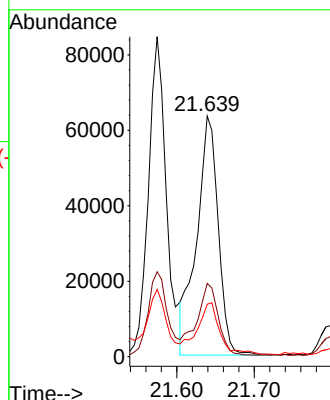
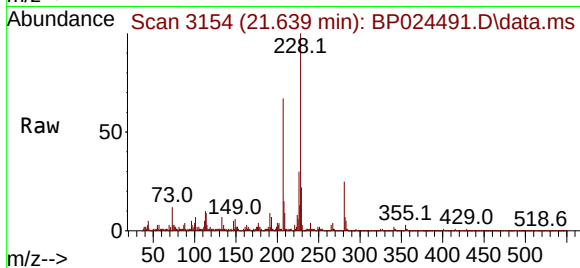
Tgt Ion:228 Resp: 123228

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.945 min Scan# 3716

Delta R.T. 0.012 min

Lab File: BP024491.D

Acq: 01 May 2025 14:05

Tgt Ion:264 Resp: 987970

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.3 17.8 26.6

