

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
 Data File : BP024951.D
 Acq On : 13 Jun 2025 19:37
 Operator : RC/JU
 Sample : Q2296-01DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1DL

Quant Time: Jun 13 22:44:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

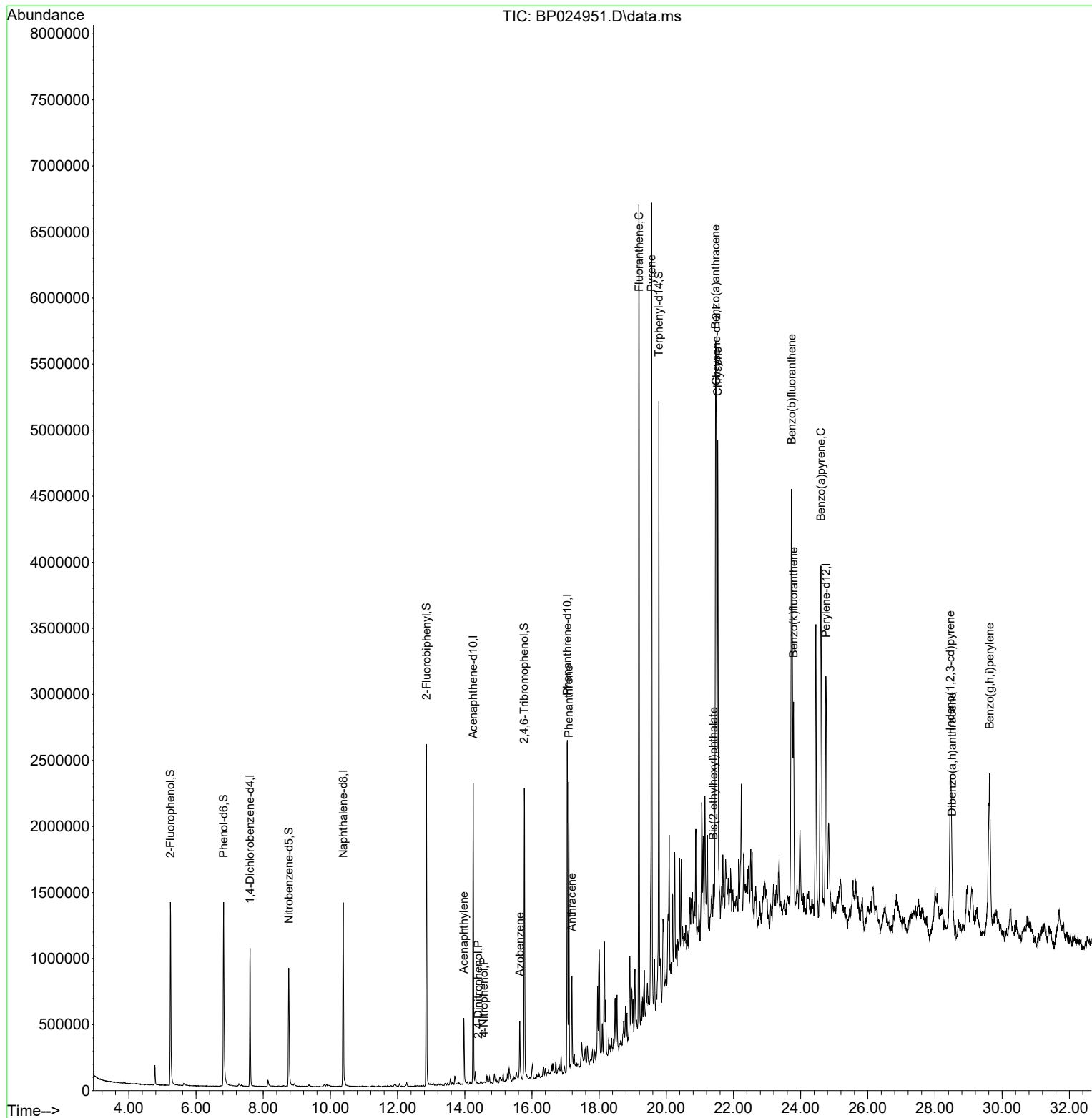
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	288199	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1179152	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	793489	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1515083	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1575272	20.000	ng	0.00
86) Perylene-d12	24.754	264	1874292	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	693638	40.174	ng	0.00
7) Phenol-d6	6.819	99	982043	42.989	ng	0.00
23) Nitrobenzene-d5	8.760	82	601063	24.770	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	476517	43.437	ng	-0.01
45) 2-Fluorobiphenyl	12.854	172	1341652	22.777	ng	0.00
79) Terphenyl-d14	19.777	244	1929980	21.958	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	13.972	152	413141	5.591	ng	99
54) 2,4-Dinitrophenol	14.401	184	176	5.583	ng	# 1
56) 4-Nitrophenol	14.566	139	323	5.436	ng	# 57
63) Azobenzene	15.636	77	113517	2.122	ng	# 1
71) Phenanthrene	17.095	178	1250959	14.941	ng	99
72) Anthracene	17.189	178	480643	5.668	ng	100
75) Fluoranthene	19.189	202	3894487	40.132	ng	99
78) Pyrene	19.560	202	3967896	40.318	ng	100
81) Benzo(a)anthracene	21.466	228	2438096	24.199	ng	99
83) Chrysene	21.530	228	2444594	25.607	ng	97
84) Bis(2-ethylhexyl)phtha...	21.401	149	129531	2.006	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.459	276	2032459	14.862	ng	96
88) Benzo(b)fluoranthene	23.730	252	3558106	33.171	ng	98
89) Benzo(k)fluoranthene	23.789	252	1173992	10.752	ng	97
90) Benzo(a)pyrene	24.601	252	2793839	26.670	ng	98
91) Dibenzo(a,h)anthracene	28.506	278	550975	4.950	ng	# 91
92) Benzo(g,h,i)perylene	29.624	276	2050138	18.563	ng	99

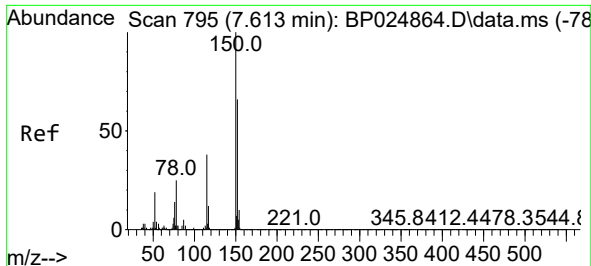
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061325\
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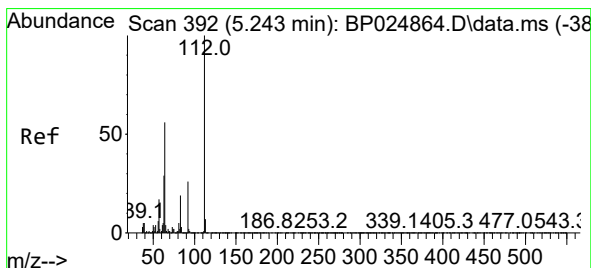
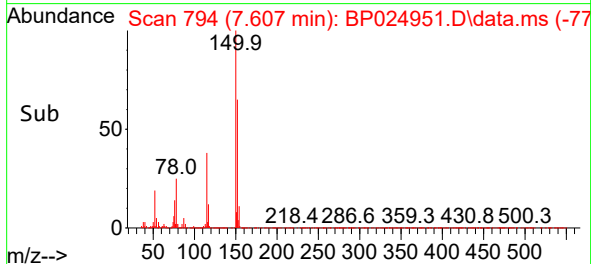
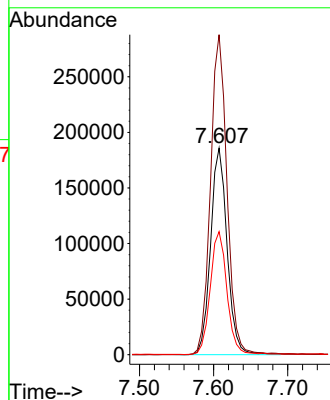
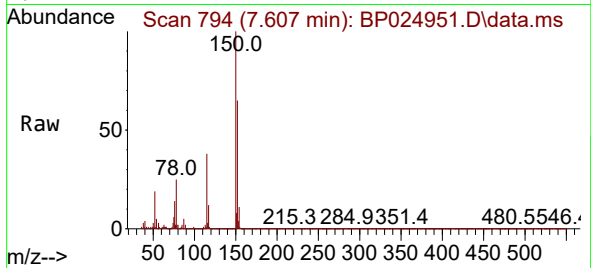




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

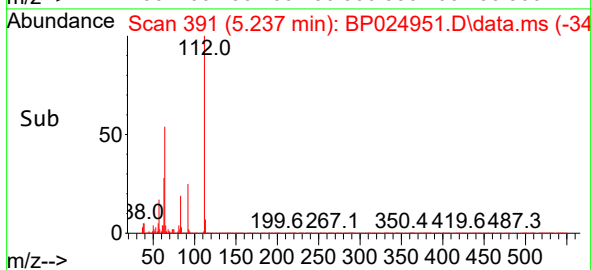
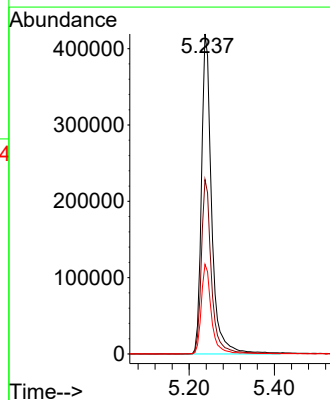
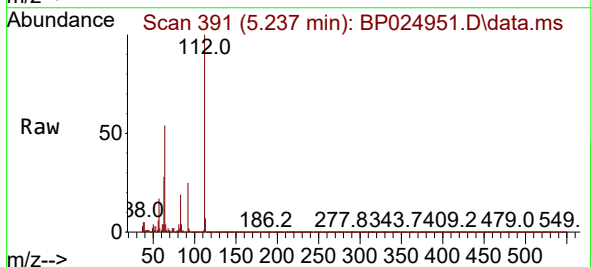
Instrument :
BNA_P
ClientSampleId :
WC-1DL

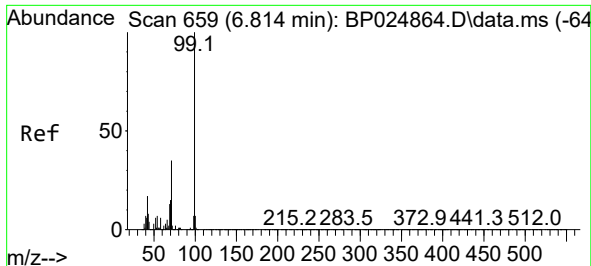
Tgt Ion:152 Resp: 288199
Ion Ratio Lower Upper
152 100
150 154.9 122.1 183.1
115 59.6 46.4 69.6



#5
2-Fluorophenol
Concen: 40.174 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

Tgt Ion:112 Resp: 693638
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 28.0 23.5 35.3

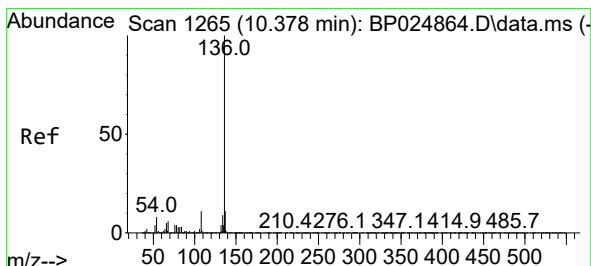
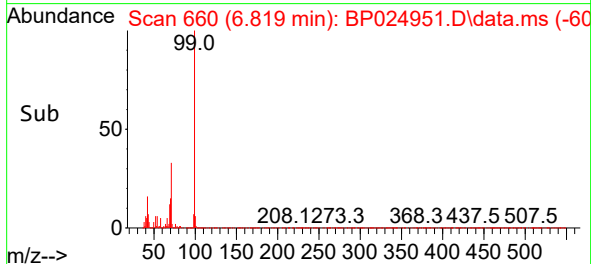
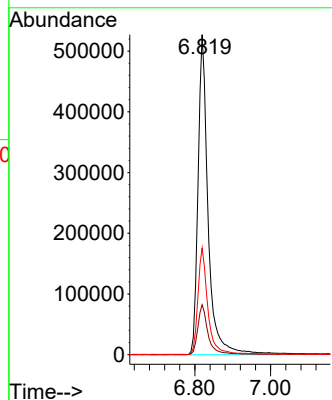
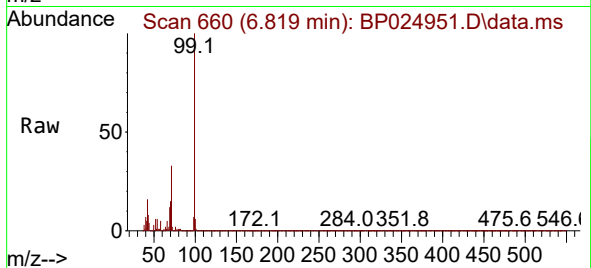




#7
Phenol-d6
Concen: 42.989 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

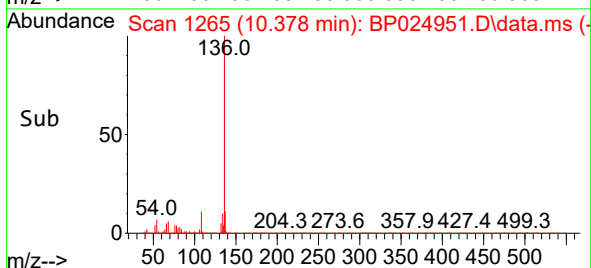
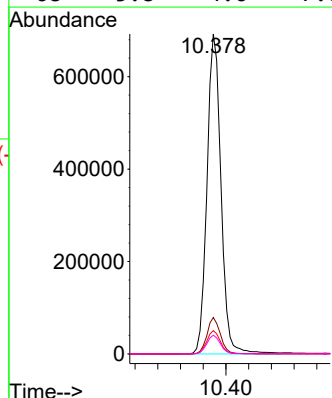
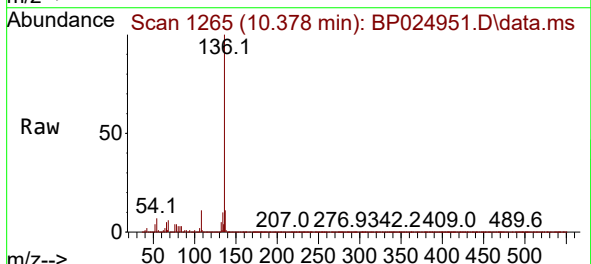
Instrument :
BNA_P
ClientSampleId :
WC-1DL

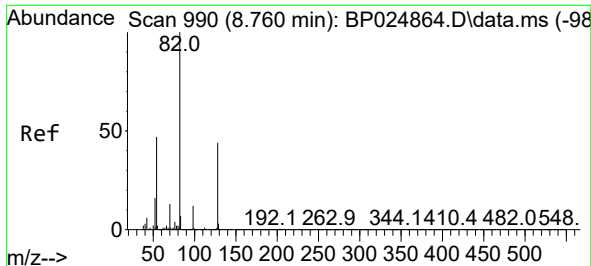
Tgt Ion: 99 Resp: 982043
Ion Ratio Lower Upper
99 100
42 15.6 13.4 20.2
71 33.4 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

Tgt Ion: 136 Resp: 1179152
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.3 6.1 9.1
68 5.8 4.6 7.0

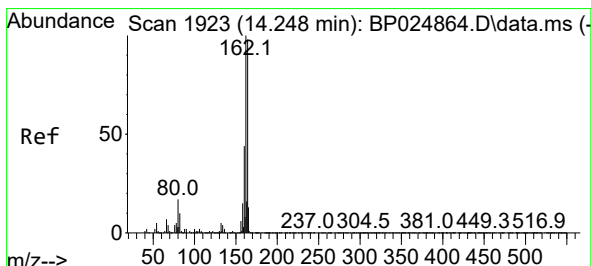
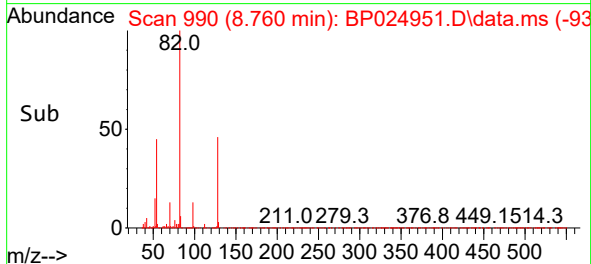
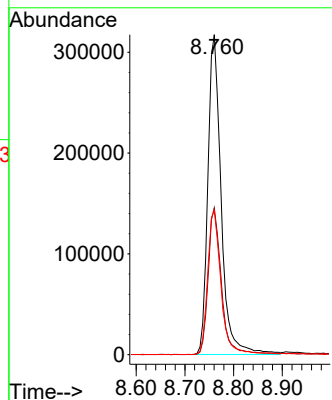
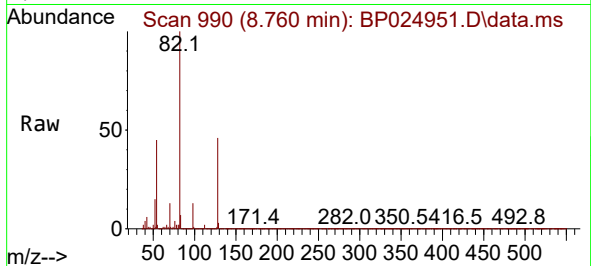




#23
Nitrobenzene-d5
Concen: 24.770 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

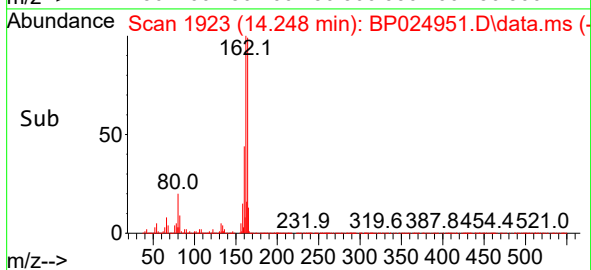
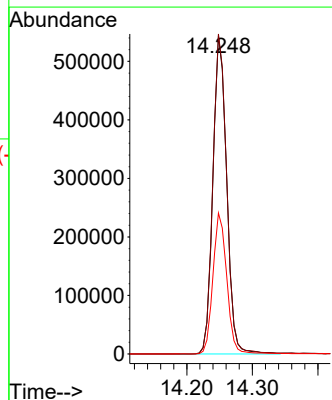
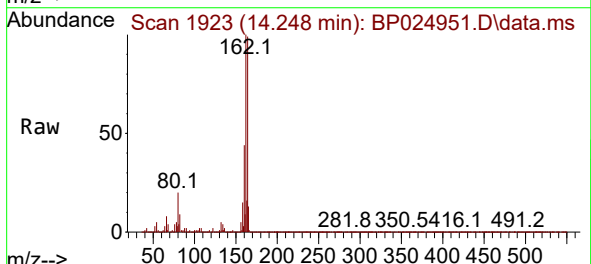
Instrument :
BNA_P
ClientSampleId :
WC-1DL

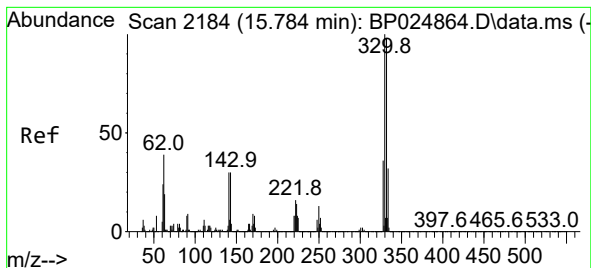
Tgt Ion: 82 Resp: 601063
Ion Ratio Lower Upper
82 100
128 45.9 35.3 52.9
54 45.1 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

Tgt Ion:164 Resp: 793489
Ion Ratio Lower Upper
164 100
162 100.5 81.6 122.4
160 44.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 43.437 ng

RT: 15.772 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

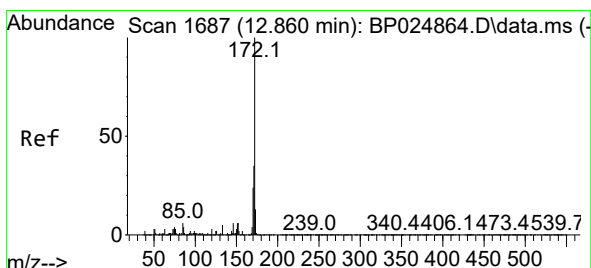
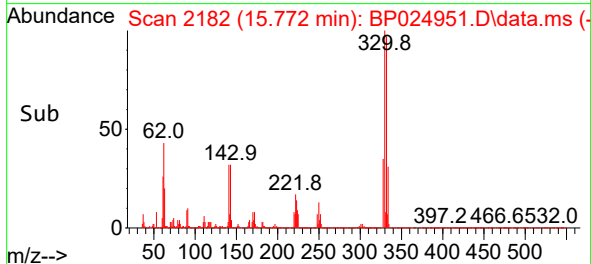
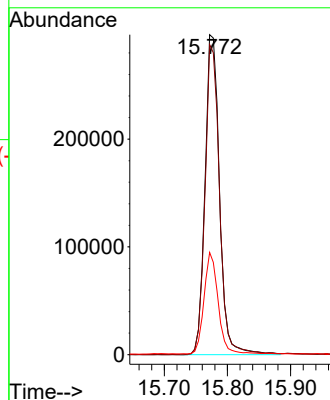
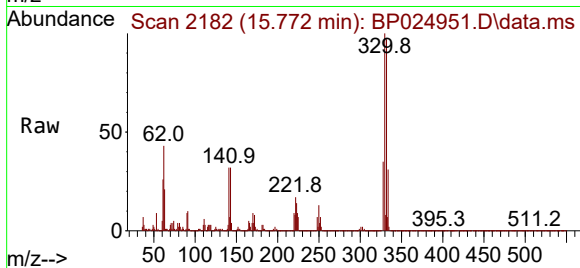
Tgt Ion:330 Resp: 476517

Ion Ratio Lower Upper

330 100

332 96.6 77.7 116.5

141 31.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 22.777 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

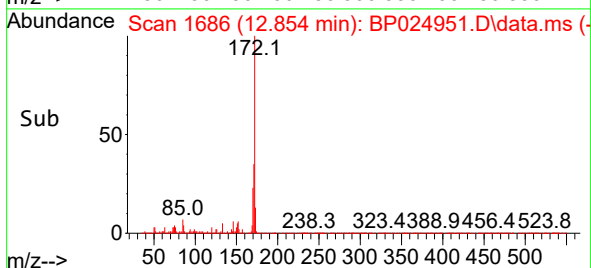
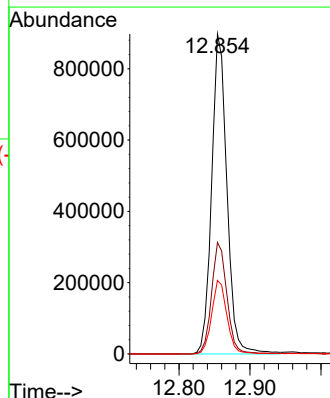
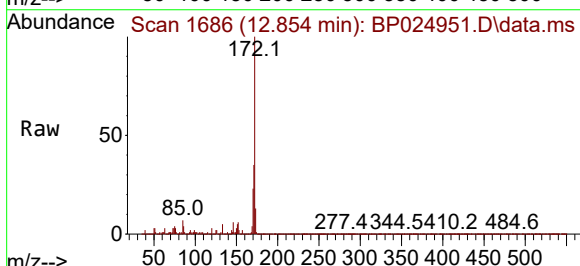
Tgt Ion:172 Resp: 1341652

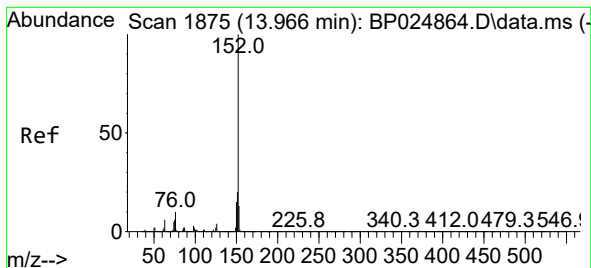
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.0 19.0 28.4





#49

Acenaphthylene

Concen: 5.591 ng

RT: 13.972 min Scan# 1876

Delta R.T. 0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

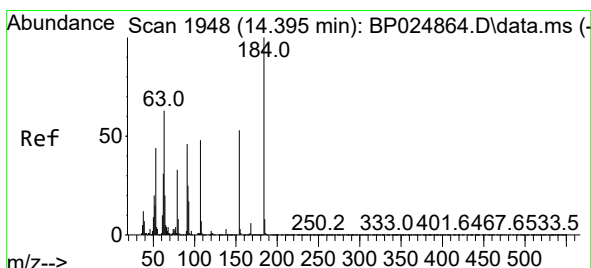
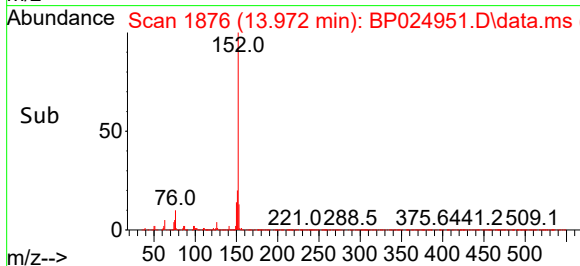
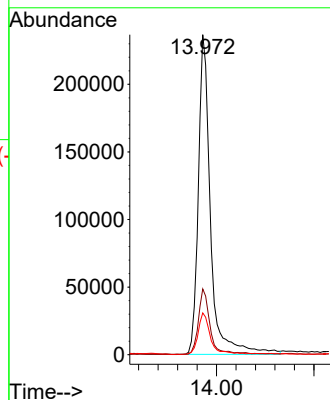
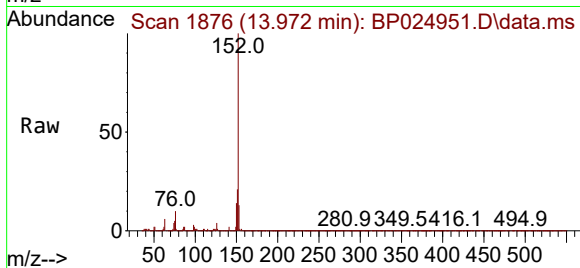
Tgt Ion:152 Resp: 413141

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 13.1 10.6 15.8



#54

2,4-Dinitrophenol

Concen: 5.583 ng

RT: 14.401 min Scan# 1949

Delta R.T. 0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

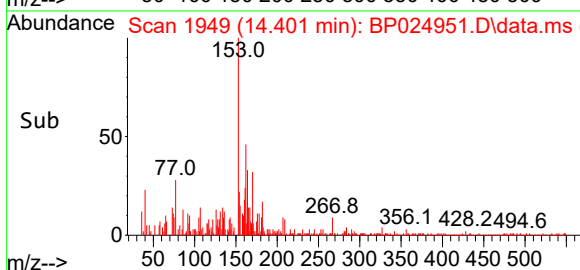
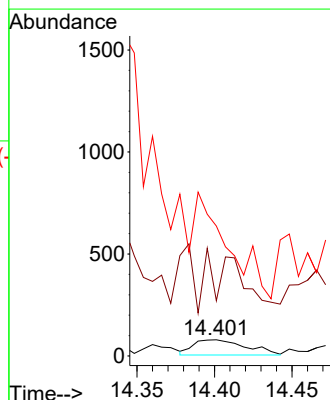
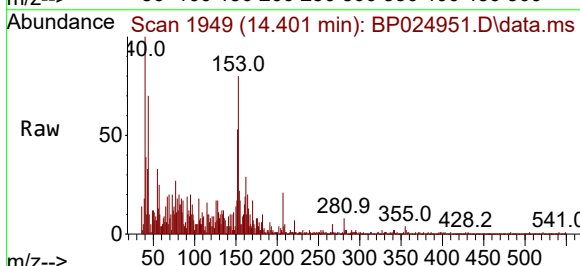
Tgt Ion:184 Resp: 176

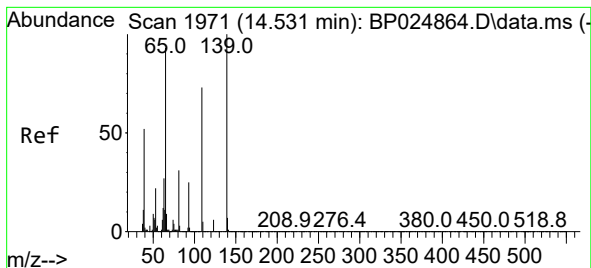
Ion Ratio Lower Upper

184 100

63 343.0 51.0 76.4#

154 806.3 51.7 77.5#

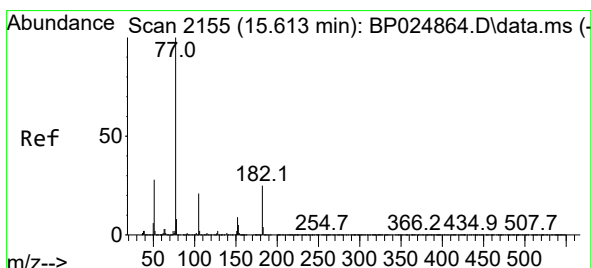
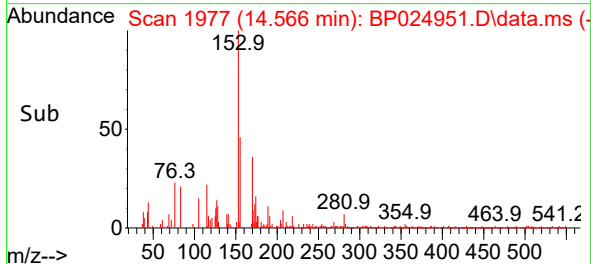
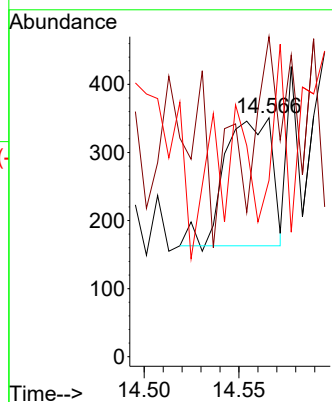
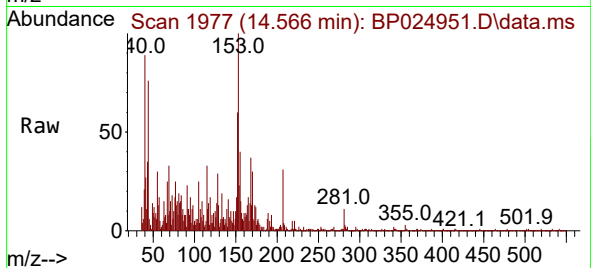




#56
4-Nitrophenol
Concen: 5.436 ng
RT: 14.566 min Scan# 1977
Delta R.T. 0.035 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

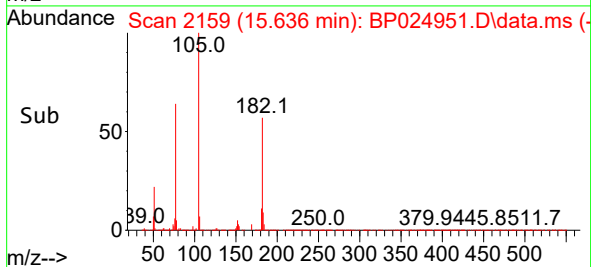
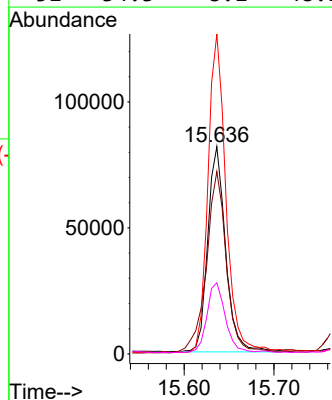
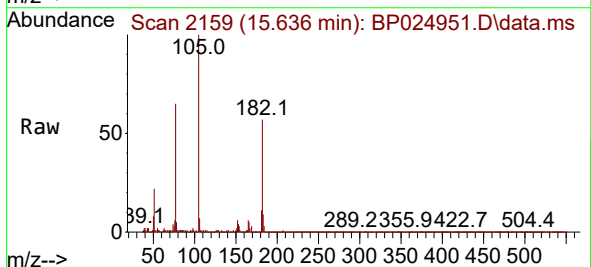
Instrument :
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WC-1DL

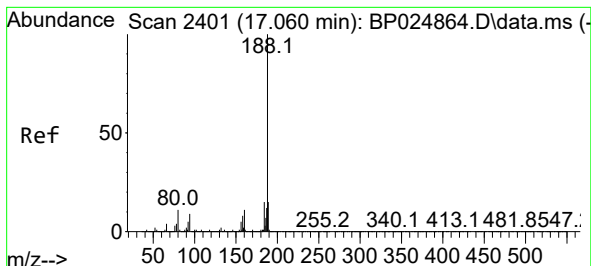
Tgt Ion:139 Resp: 323
Ion Ratio Lower Upper
139 100
109 133.9 53.1 93.1#
65 73.8 73.0 113.0



#63
Azobenzene
Concen: 2.122 ng
RT: 15.636 min Scan# 2159
Delta R.T. 0.023 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

Tgt Ion: 77 Resp: 113517
Ion Ratio Lower Upper
77 100
182 87.9 5.4 45.4#
105 154.3 0.8 40.8#
51 34.3 8.1 48.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.054 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

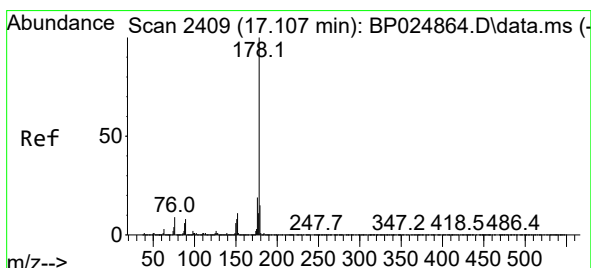
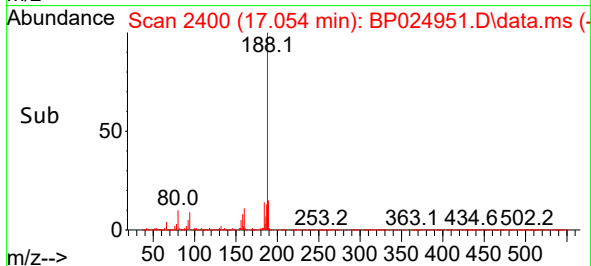
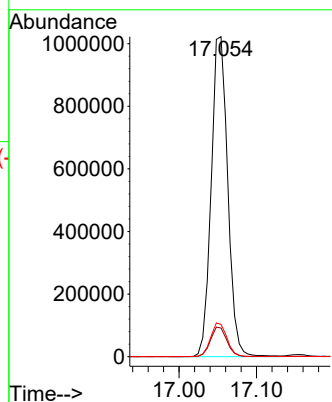
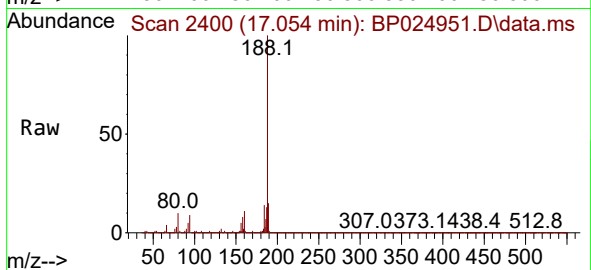
Tgt Ion:188 Resp: 1515083

Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

80 10.1 8.5 12.7



#71

Phenanthrene

Concen: 14.941 ng

RT: 17.095 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

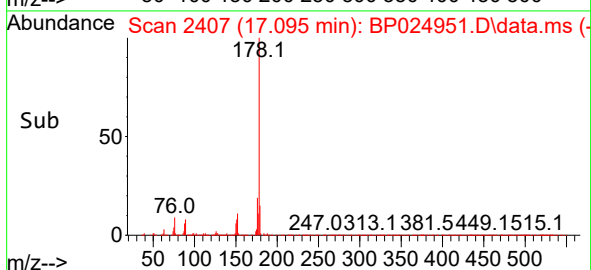
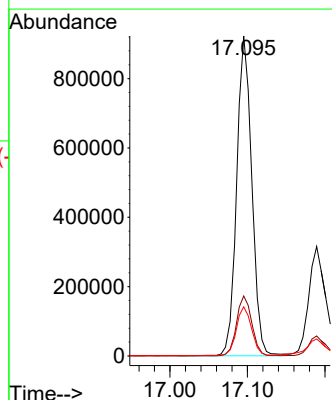
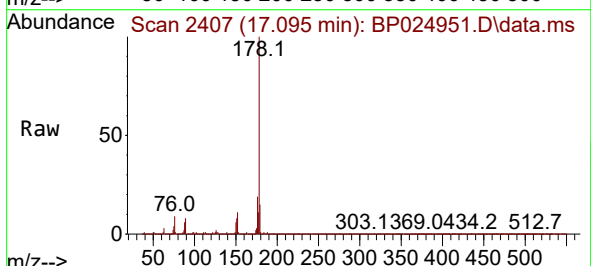
Tgt Ion:178 Resp: 1250959

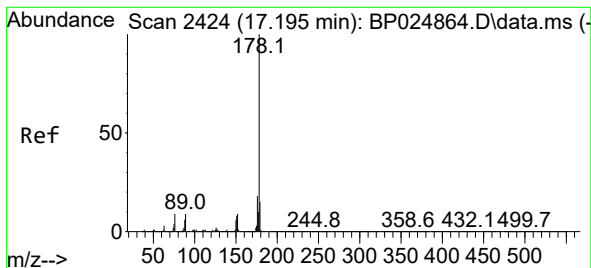
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.4 12.1 18.1





#72

Anthracene

Concen: 5.668 ng

RT: 17.189 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

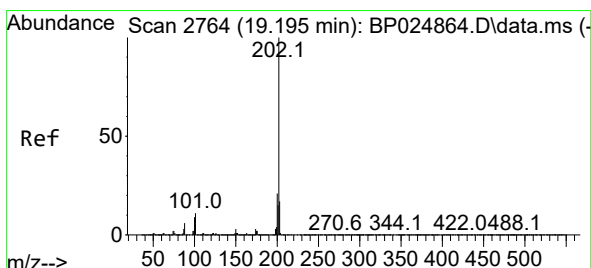
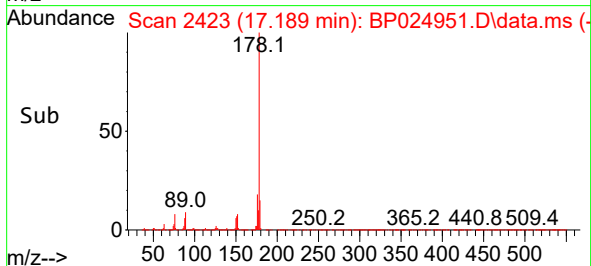
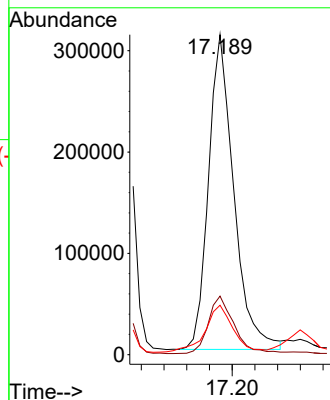
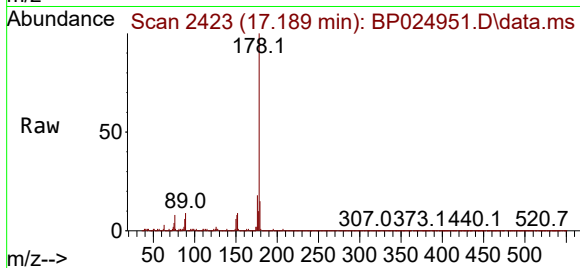
Tgt Ion:178 Resp: 480643

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.4 12.3 18.5



#75

Fluoranthene

Concen: 40.132 ng

RT: 19.189 min Scan# 2763

Delta R.T. -0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

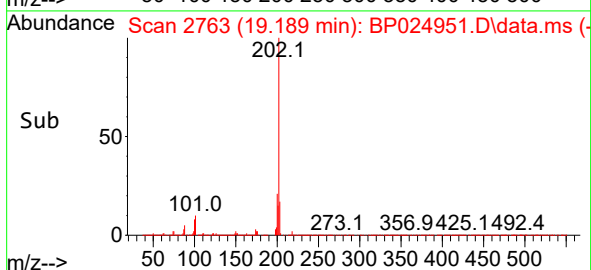
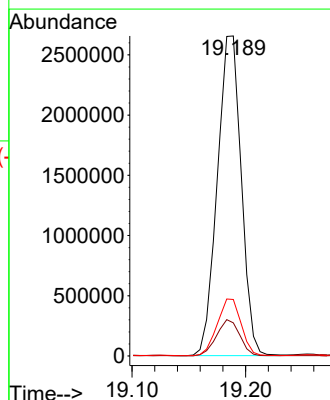
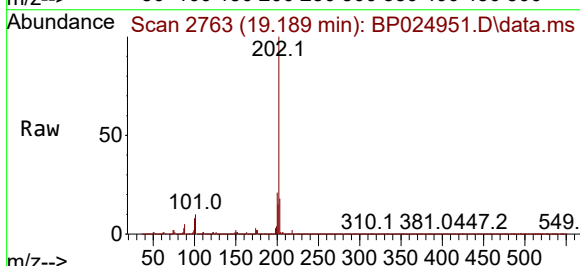
Tgt Ion:202 Resp: 3894487

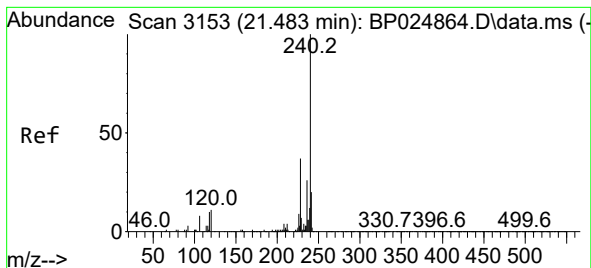
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

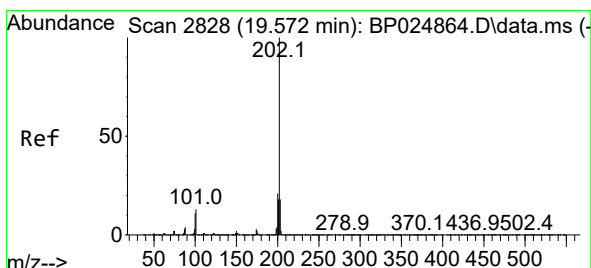
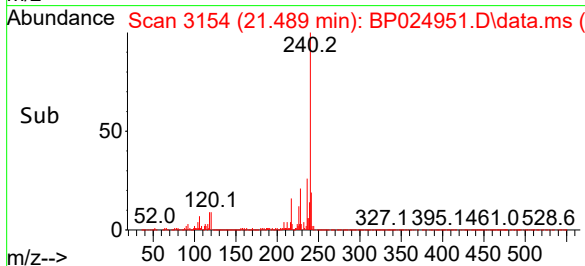
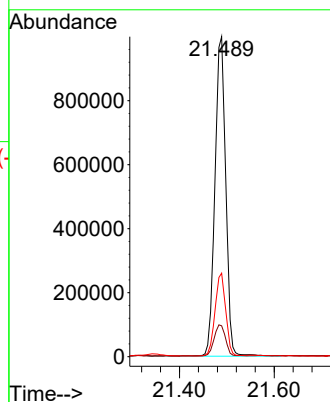
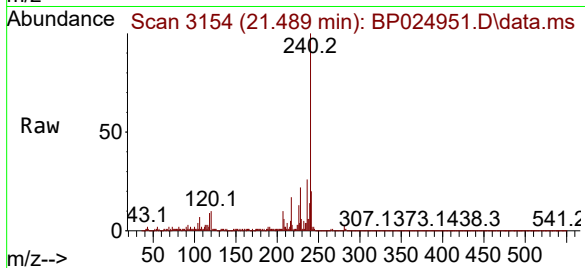
Tgt Ion:240 Resp: 1575272

Ion Ratio Lower Upper

240 100

120 9.7 8.9 13.3

236 26.1 20.9 31.3



#78

Pyrene

Concen: 40.318 ng

RT: 19.560 min Scan# 2826

Delta R.T. -0.012 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

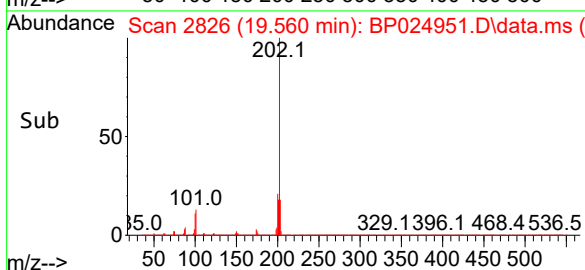
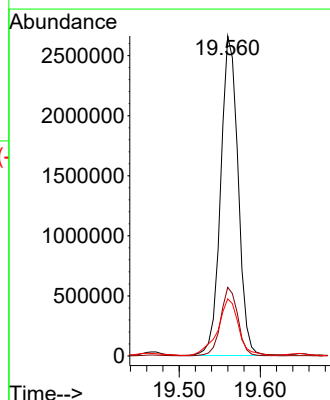
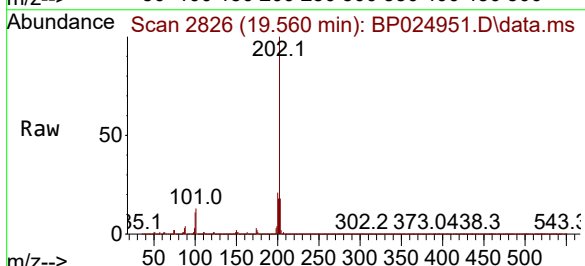
Tgt Ion:202 Resp: 3967896

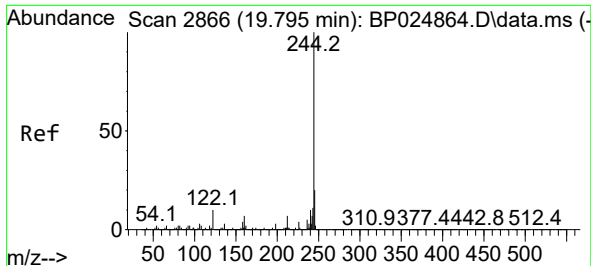
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.9 14.0 21.0

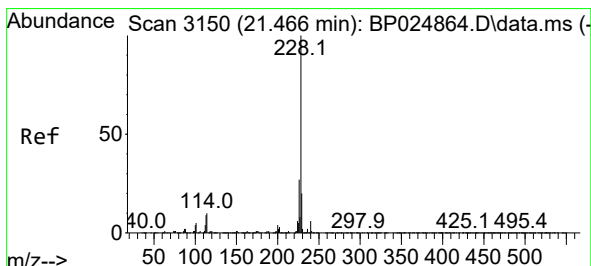
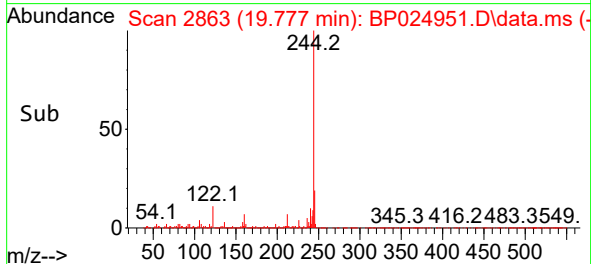
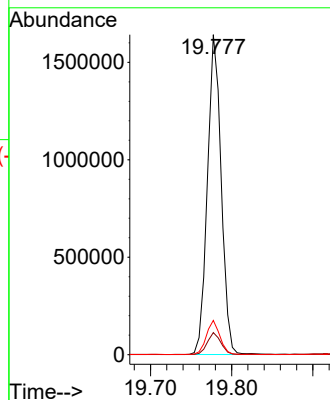
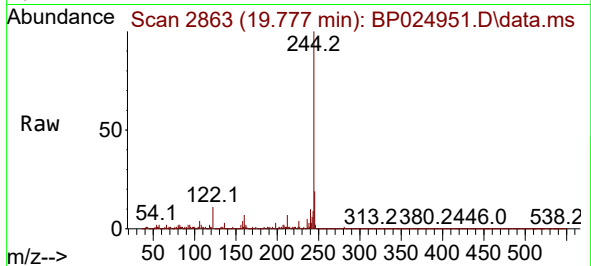




#79
 Terphenyl-d14
 Concen: 21.958 ng
 RT: 19.777 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BP024951.D
 Acq: 13 Jun 2025 19:37

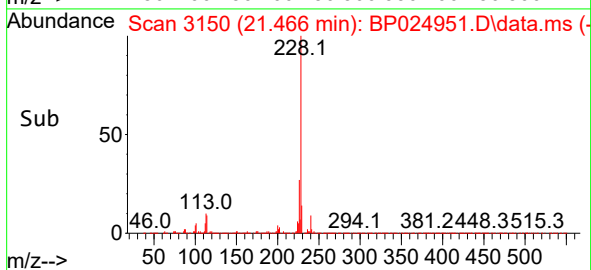
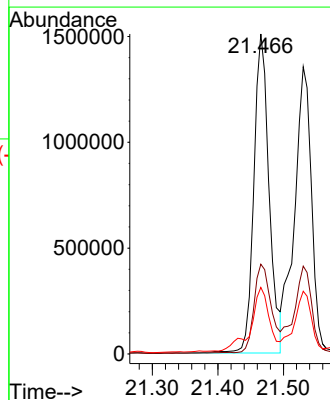
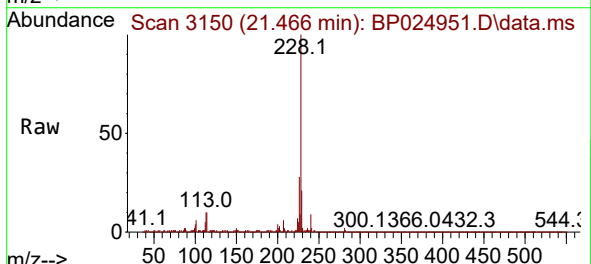
Instrument :
 BNA_P
 ClientSampleId :
 WC-1DL

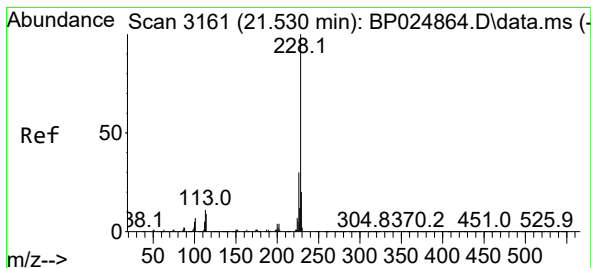
Tgt Ion:244 Resp: 1929980
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.7 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 24.199 ng
 RT: 21.466 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: BP024951.D
 Acq: 13 Jun 2025 19:37

Tgt Ion:228 Resp: 2438096
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 20.8 15.9 23.9





#83

Chrysene

Concen: 25.607 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

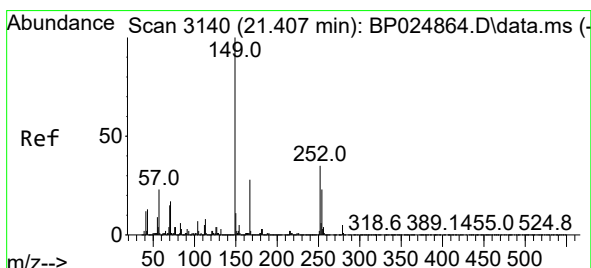
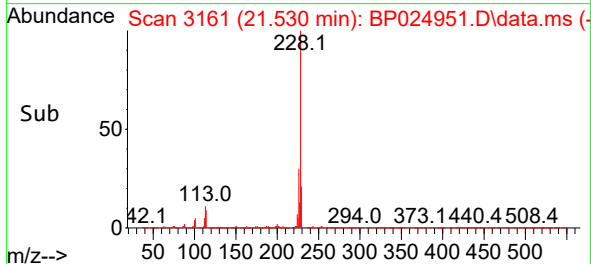
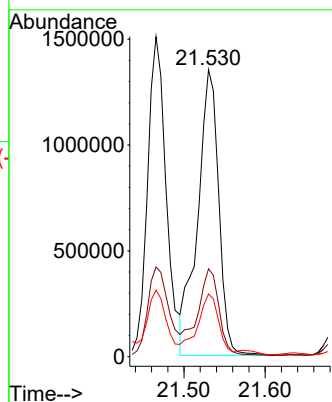
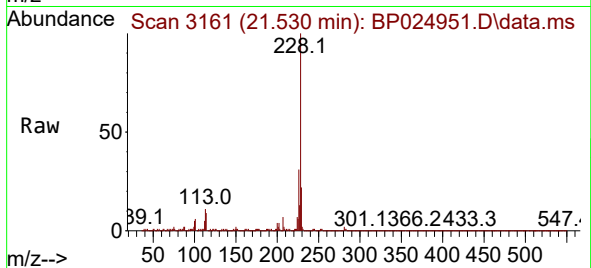
Tgt Ion:228 Resp: 2444594

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 21.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.006 ng

RT: 21.401 min Scan# 3139

Delta R.T. -0.006 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

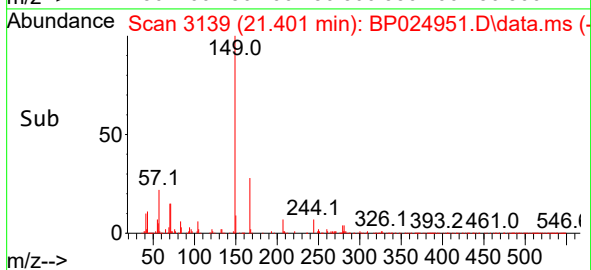
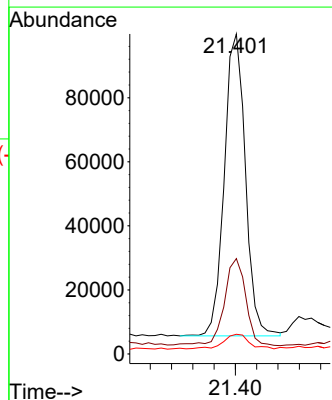
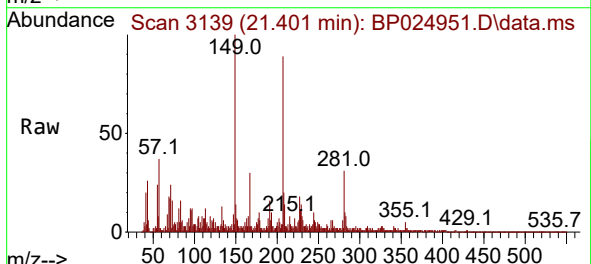
Tgt Ion:149 Resp: 129531

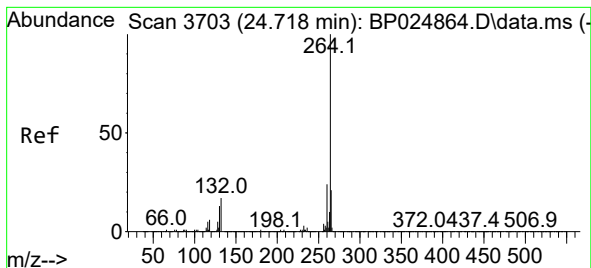
Ion Ratio Lower Upper

149 100

167 29.8 22.2 33.4

279 6.2 4.0 6.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.754 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

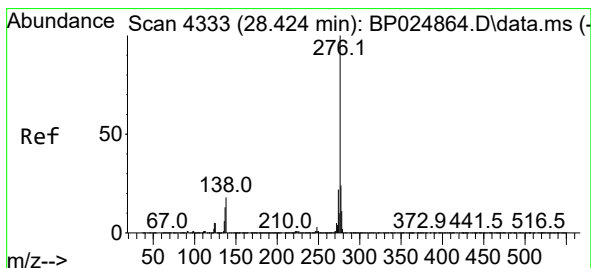
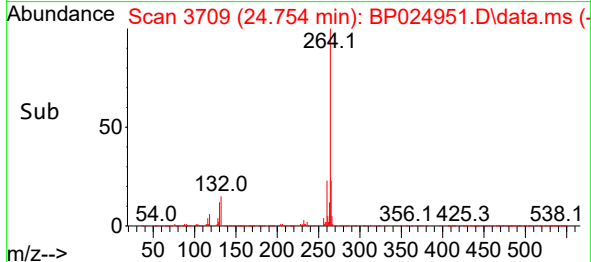
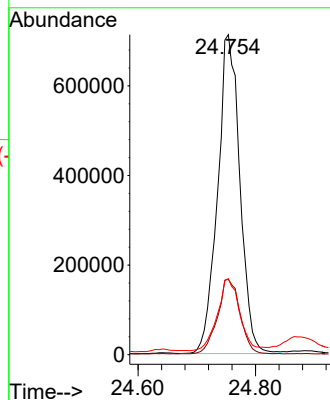
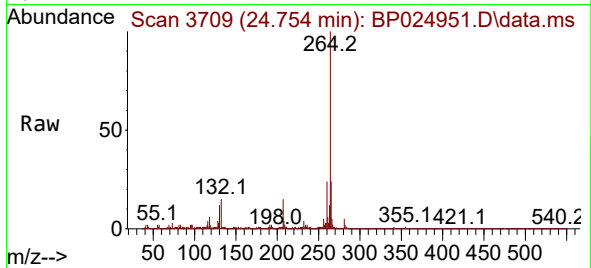
Tgt Ion:264 Resp: 1874292

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 23.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.862 ng

RT: 28.459 min Scan# 4339

Delta R.T. 0.035 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

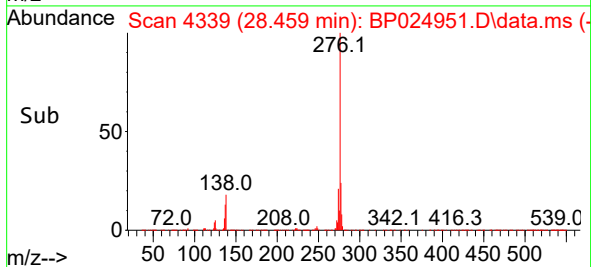
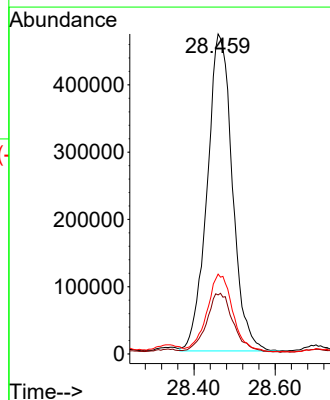
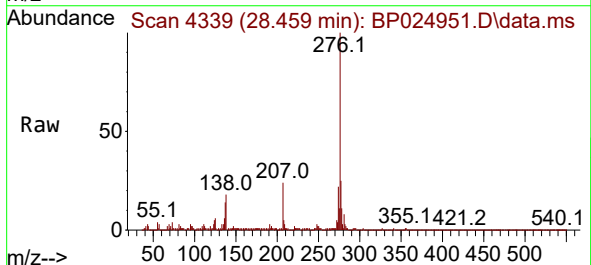
Tgt Ion:276 Resp: 2032459

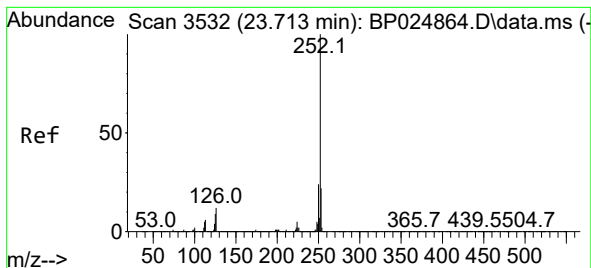
Ion Ratio Lower Upper

276 100

138 19.9 18.6 27.8

277 24.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 33.171 ng

RT: 23.730 min Scan# 3532

Delta R.T. 0.018 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

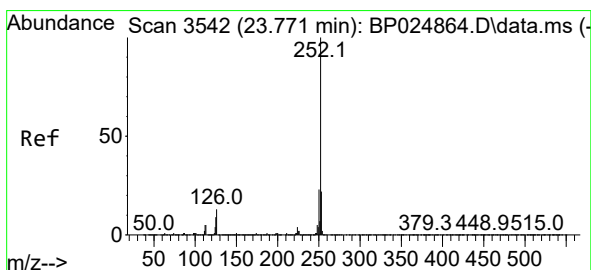
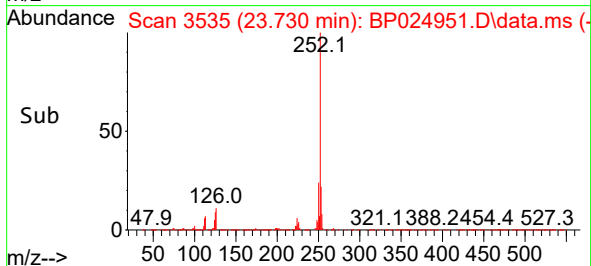
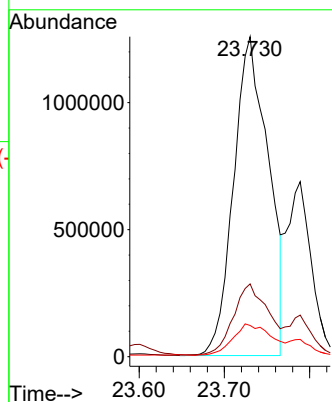
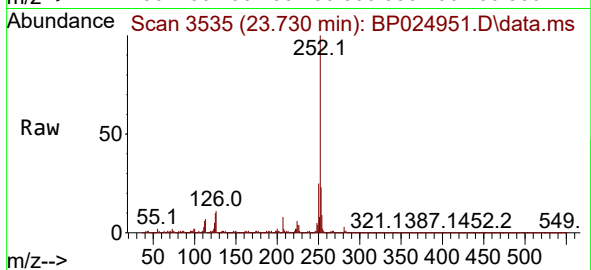
Tgt Ion:252 Resp: 3558106

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 9.8 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 10.752 ng

RT: 23.789 min Scan# 3545

Delta R.T. 0.017 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

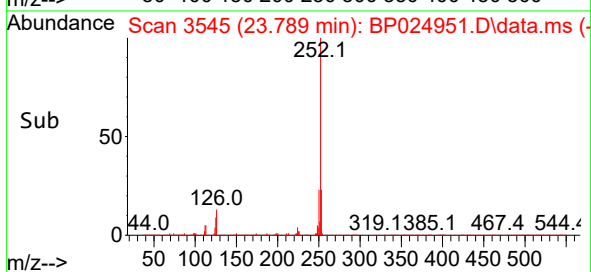
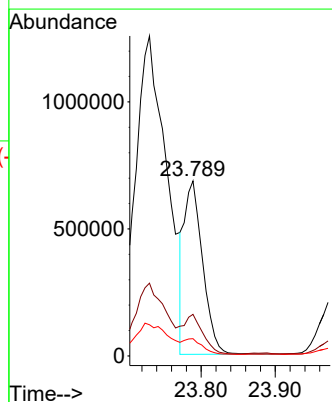
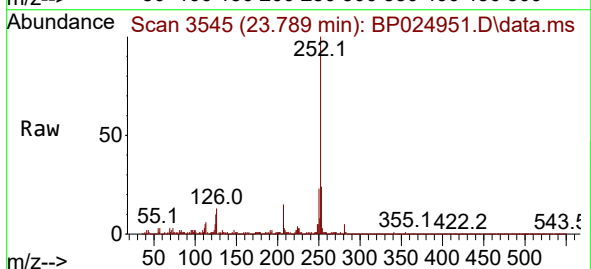
Tgt Ion:252 Resp: 1173992

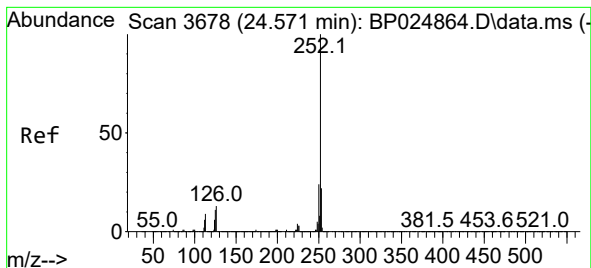
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 9.9 7.4 11.0





#90

Benzo(a)pyrene

Concen: 26.670 ng

RT: 24.601 min Scan# 3683

Delta R.T. 0.029 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

Instrument :

BNA_P

ClientSampleId :

WC-1DL

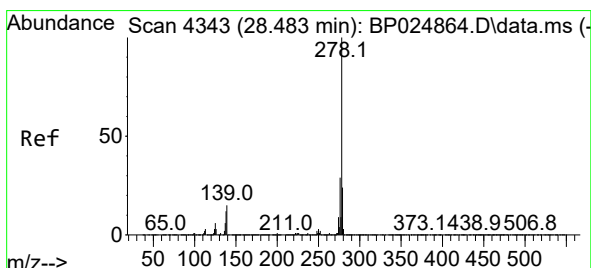
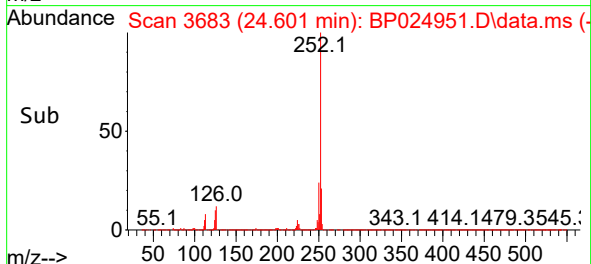
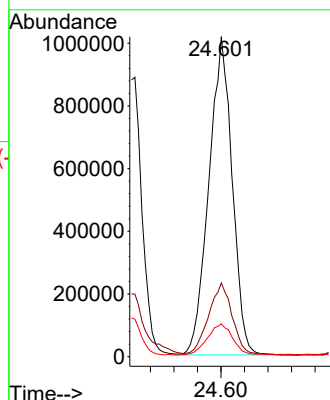
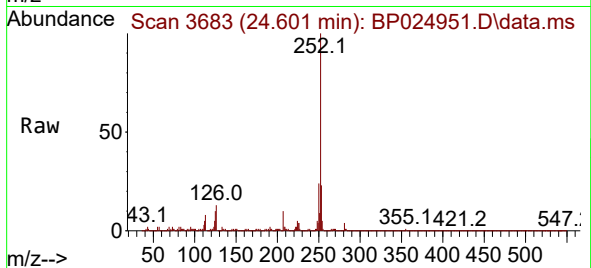
Tgt Ion:252 Resp: 2793839

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.3 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 4.950 ng

RT: 28.506 min Scan# 4347

Delta R.T. 0.023 min

Lab File: BP024951.D

Acq: 13 Jun 2025 19:37

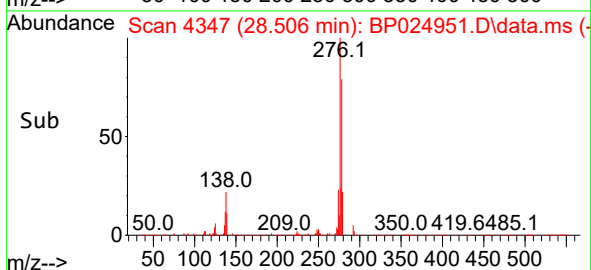
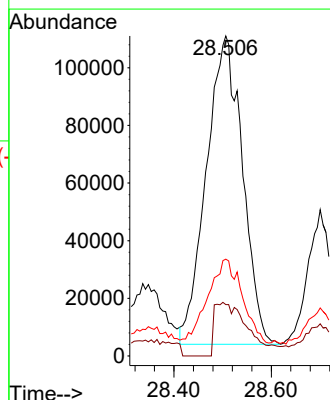
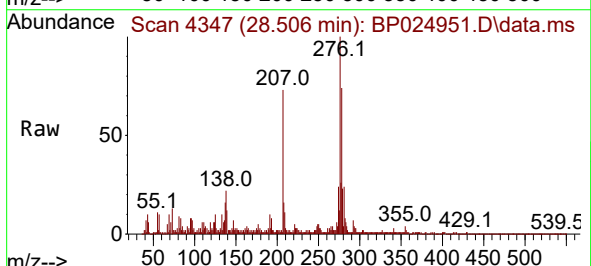
Tgt Ion:278 Resp: 550975

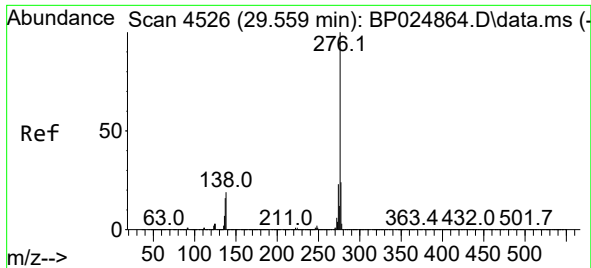
Ion Ratio Lower Upper

278 100

139 16.0 12.0 18.0

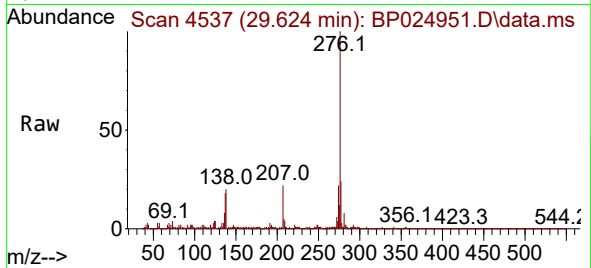
279 30.2 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 18.563 ng
RT: 29.624 min Scan# 4537
Delta R.T. 0.065 min
Lab File: BP024951.D
Acq: 13 Jun 2025 19:37

Instrument :
BNA_P
ClientSampleId :
WC-1DL



Tgt Ion:276 Resp: 2050138
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 20.1 15.4 23.2

