

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042125\
 Data File : BP024371.D
 Acq On : 21 Apr 2025 21:01
 Operator : RC/JU
 Sample : Q1842-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-714-COMP-11

Quant Time: Apr 22 01:03:11 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)

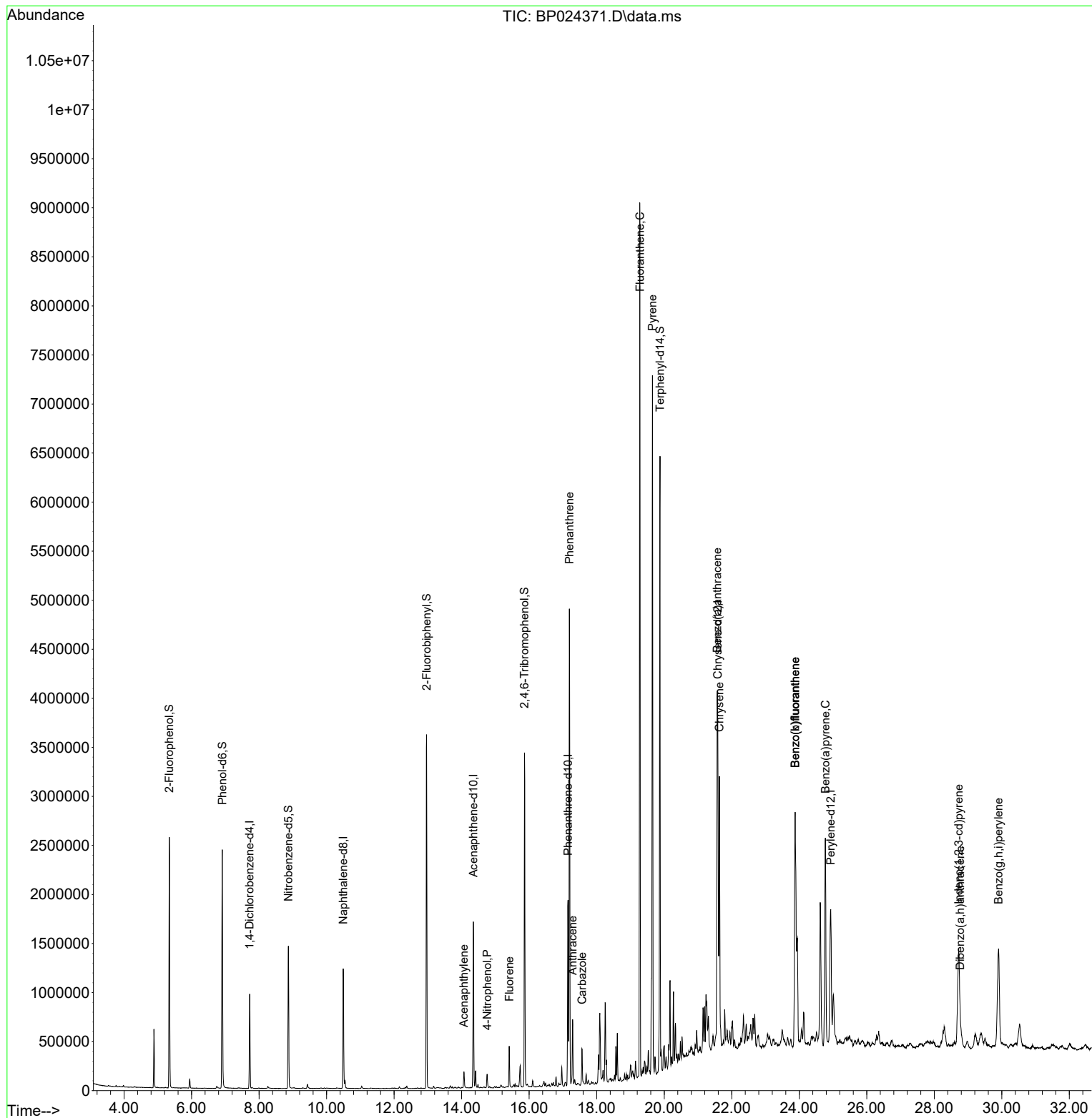
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	255338	20.000	ng	0.00
21) Naphthalene-d8	10.492	136	1012860	20.000	ng	0.00
39) Acenaphthene-d10	14.345	164	601932	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1162898	20.000	ng	0.00
76) Chrysene-d12	21.586	240	1315889	20.000	ng	0.00
86) Perylene-d12	24.933	264	1565997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1111102	71.950	ng	0.00
7) Phenol-d6	6.910	99	1506279	71.234	ng	0.00
23) Nitrobenzene-d5	8.869	82	860102	48.421	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	635819	76.347	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	1782582	45.343	ng	0.00
79) Terphenyl-d14	19.874	244	2966275	45.436	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.069	152	145385	2.792	ng	99
56) 4-Nitrophenol	14.757	139	37178	4.406	ng	# 13
58) Fluorene	15.410	166	174768	4.184	ng	99
71) Phenanthrene	17.192	178	2970260	46.821	ng	100
72) Anthracene	17.286	178	400658	6.553	ng	99
73) Carbazole	17.569	167	222287	3.721	ng	99
75) Fluoranthene	19.280	202	5157561	68.357	ng	98
78) Pyrene	19.651	202	4394772	52.553	ng	100
81) Benzo(a)anthracene	21.568	228	1828402	22.355	ng	99
83) Chrysene	21.633	228	1819067	23.214	ng	98
87) Indeno(1,2,3-cd)pyrene	28.721	276	1651535	15.191	ng	96
88) Benzo(b)fluoranthene	23.880	252	2824681	30.092	ng	99
89) Benzo(k)fluoranthene	23.880	252	2824681	31.153	ng	99
90) Benzo(a)pyrene	24.774	252	2079291	25.680	ng	99
91) Dibenzo(a,h)anthracene	28.768	278	332145	3.681	ng	93
92) Benzo(g,h,i)perylene	29.903	276	1715742	18.680	ng	98

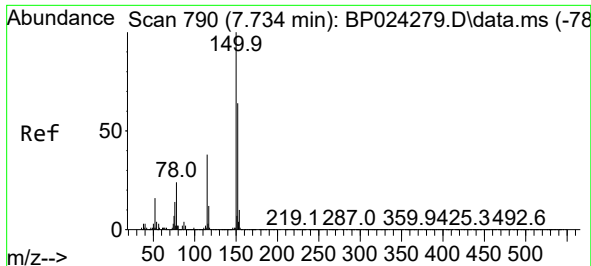
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042125\
Data File : BP024371.D
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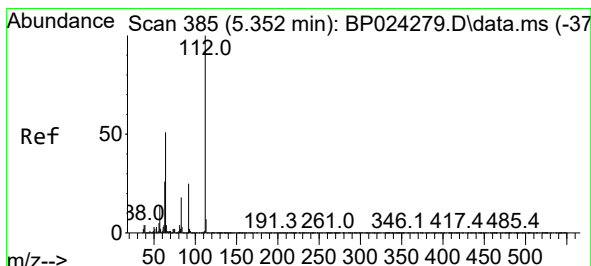
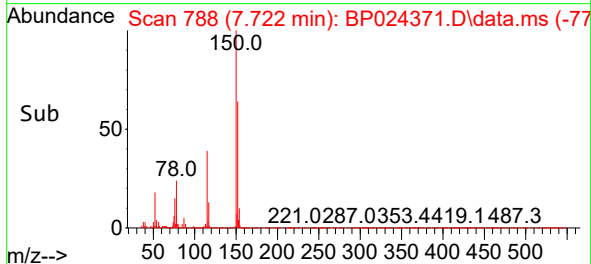
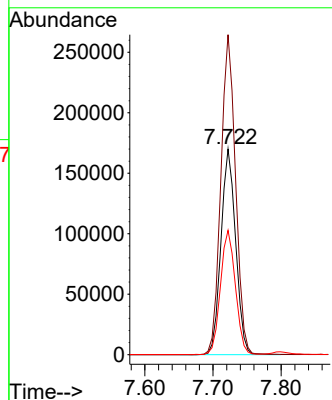
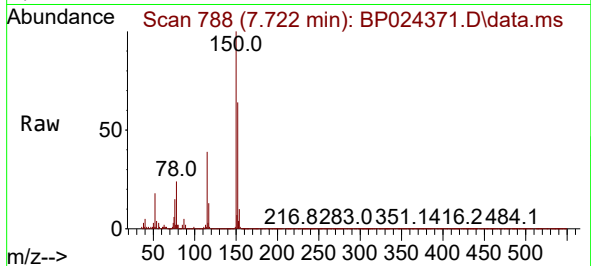




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

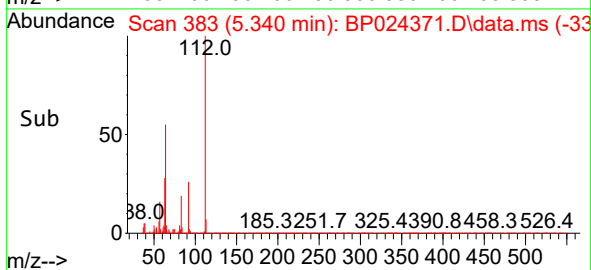
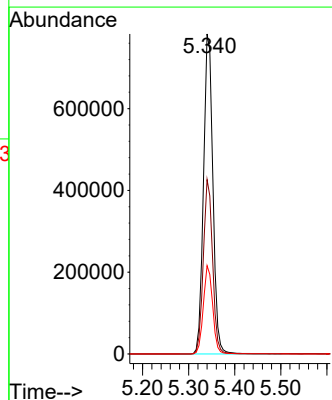
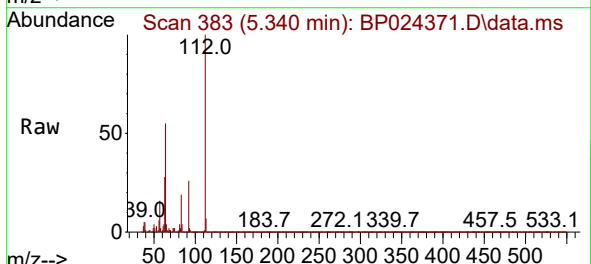
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-11

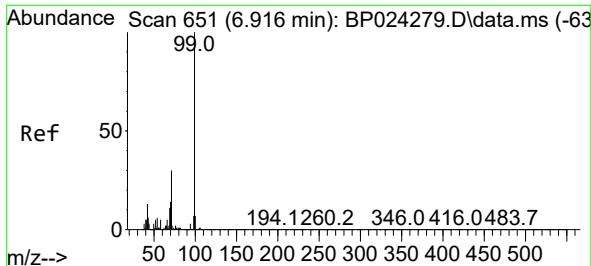
Tgt Ion:152 Resp: 255338
Ion Ratio Lower Upper
152 100
150 155.6 124.9 187.3
115 60.4 47.7 71.5



#5
2-Fluorophenol
Concen: 71.950 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

Tgt Ion:112 Resp: 1111102
Ion Ratio Lower Upper
112 100
64 54.5 41.1 61.7
63 27.6 20.6 30.8

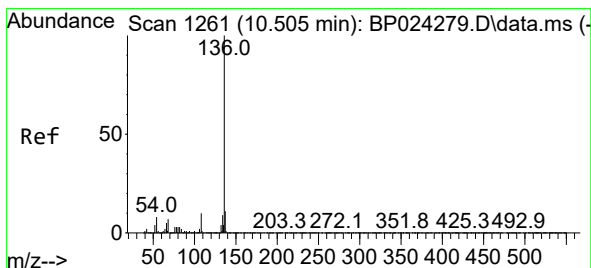
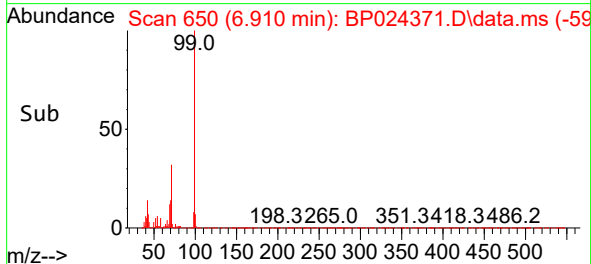
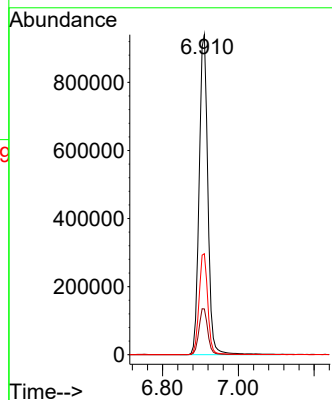
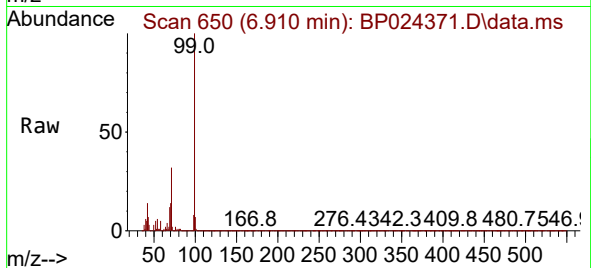




#7
Phenol-d6
Concen: 71.234 ng
RT: 6.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

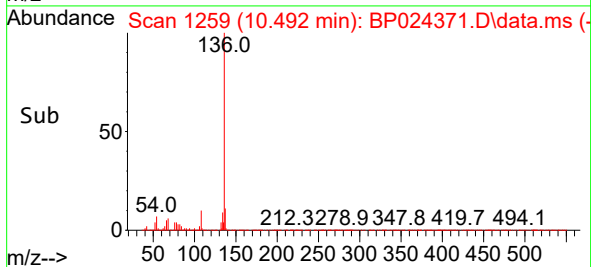
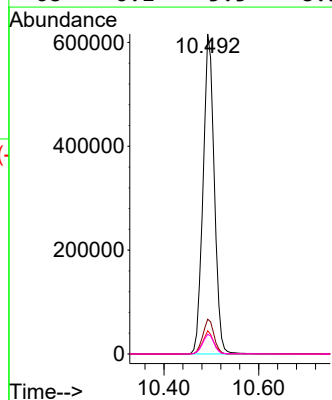
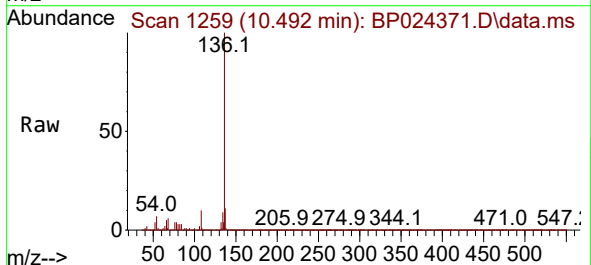
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-11

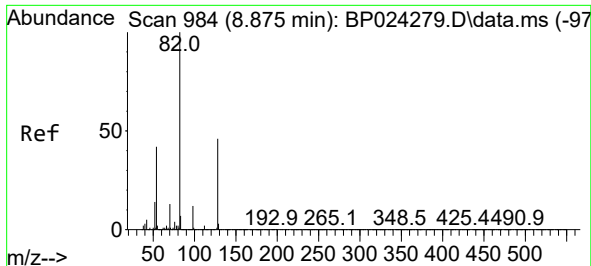
Tgt Ion: 99 Resp: 1506279
Ion Ratio Lower Upper
99 100
42 14.3 10.6 16.0
71 31.5 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.492 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

Tgt Ion: 136 Resp: 1012860
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.2 6.0 9.0
68 6.1 5.5 8.3

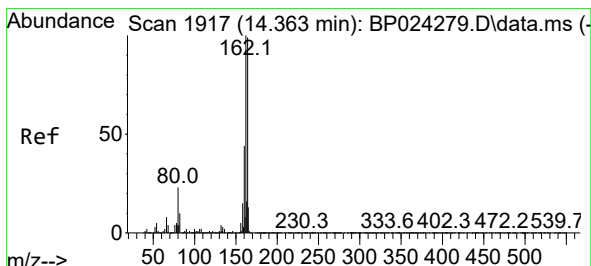
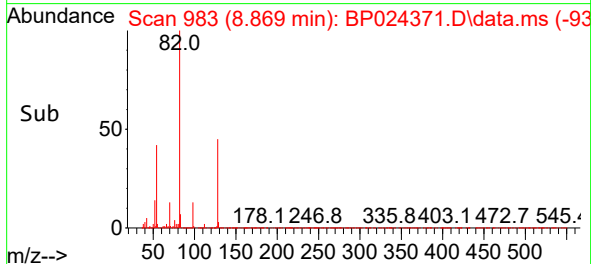
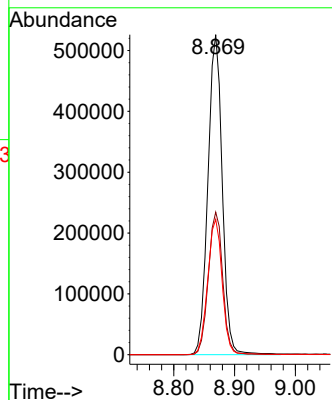
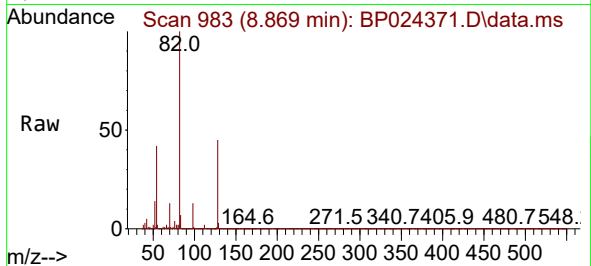




#23
Nitrobenzene-d5
Concen: 48.421 ng
RT: 8.869 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

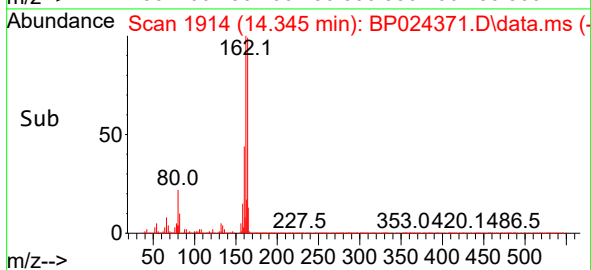
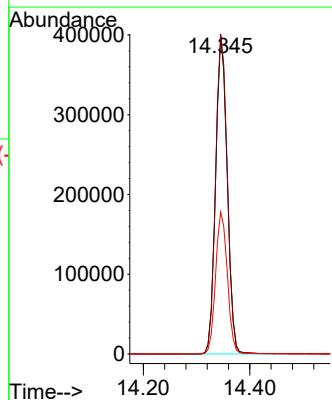
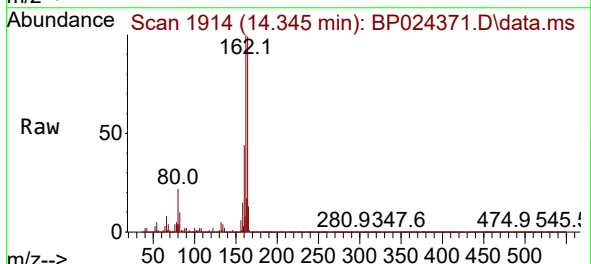
Instrument :
BNA_P
ClientSampleId :
PL-714-COMP-11

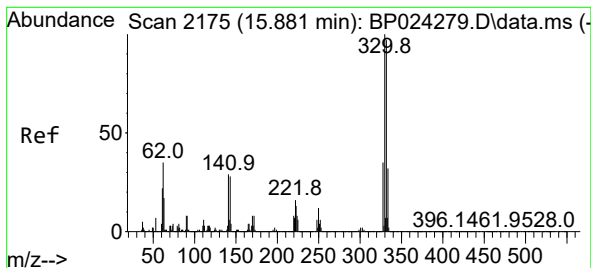
Tgt Ion: 82 Resp: 860102
Ion Ratio Lower Upper
82 100
128 44.5 36.5 54.7
54 42.3 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

Tgt Ion: 164 Resp: 601932
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 76.347 ng

RT: 15.863 min Scan# 2175

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

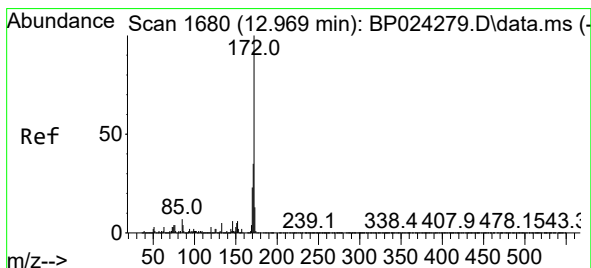
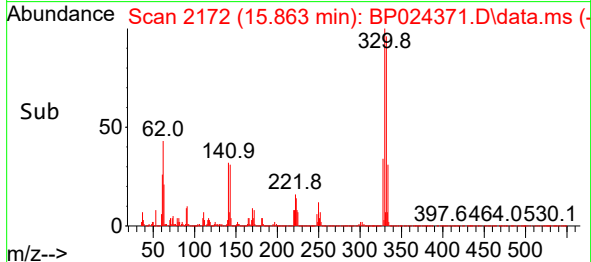
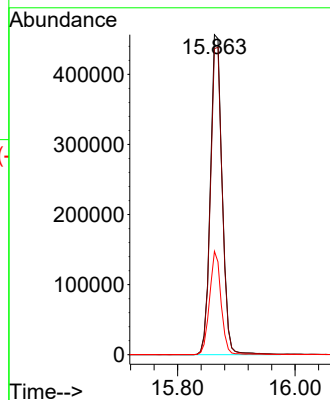
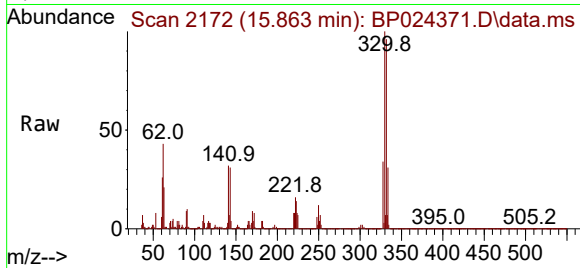
Tgt Ion:330 Resp: 635819

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 31.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 45.343 ng

RT: 12.963 min Scan# 1679

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

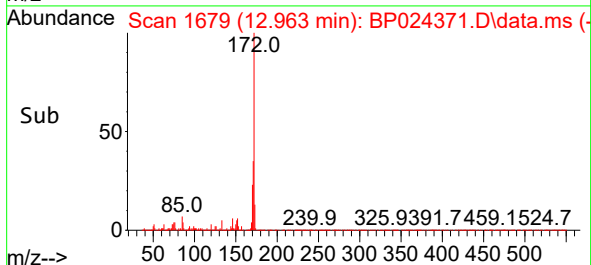
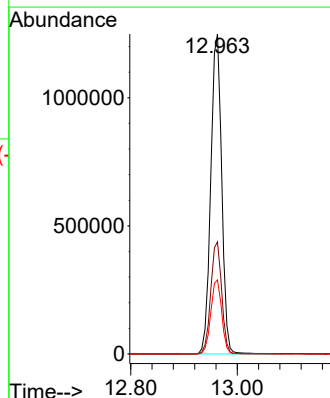
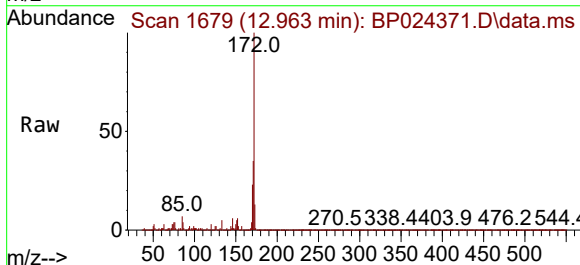
Tgt Ion:172 Resp: 1782582

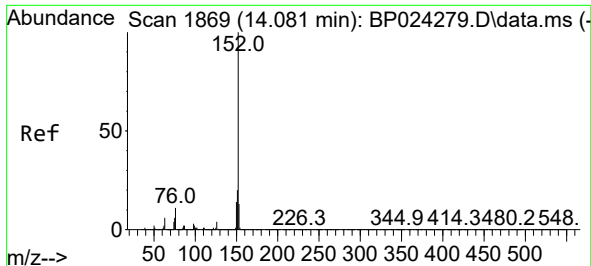
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.2 18.6 27.8

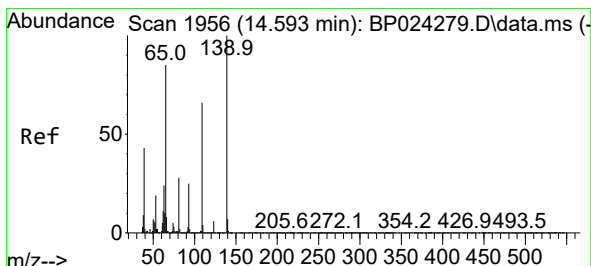
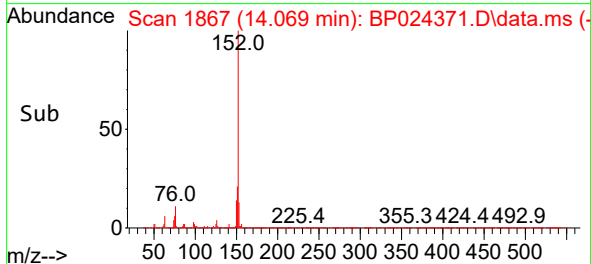
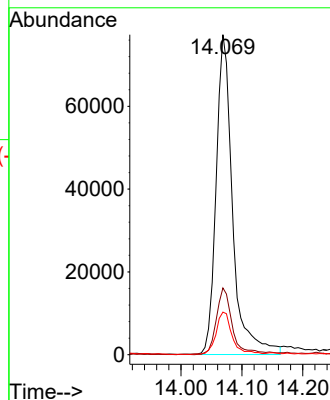
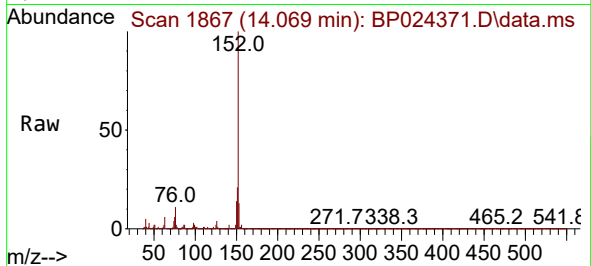




#49
Acenaphthylene
Concen: 2.792 ng
RT: 14.069 min Scan# 1867
Delta R.T. -0.000 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

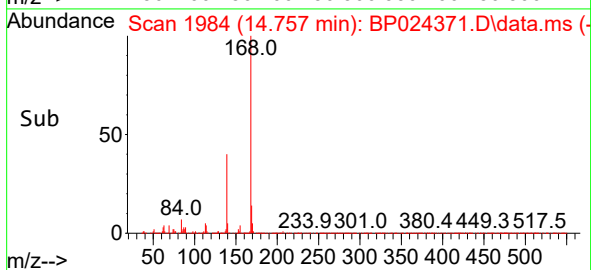
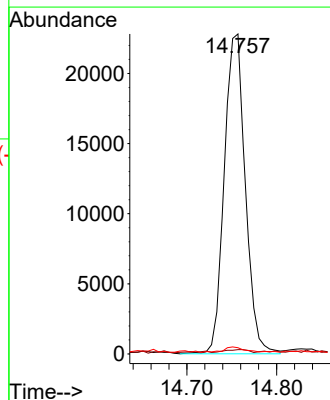
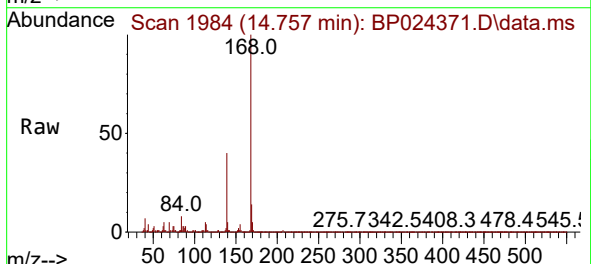
Instrument :
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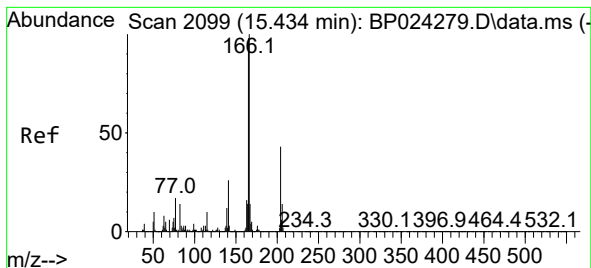
Tgt Ion:152 Resp: 145385
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 13.3 10.6 15.8



#56
4-Nitrophenol
Concen: 4.406 ng
RT: 14.757 min Scan# 1984
Delta R.T. 0.165 min
Lab File: BP024371.D
Acq: 21 Apr 2025 21:01

Tgt Ion:139 Resp: 37178
Ion Ratio Lower Upper
139 100
109 1.3 46.1 86.1#
65 1.9 65.0 105.0#





#58

Fluorene

Concen: 4.184 ng

RT: 15.410 min Scan# 2099

Delta R.T. -0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

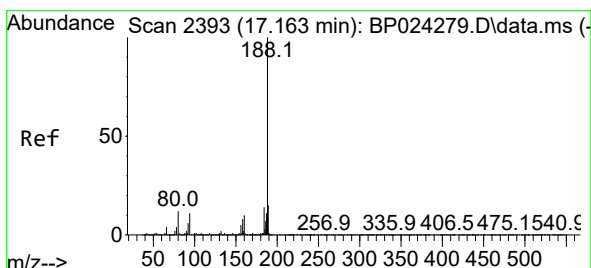
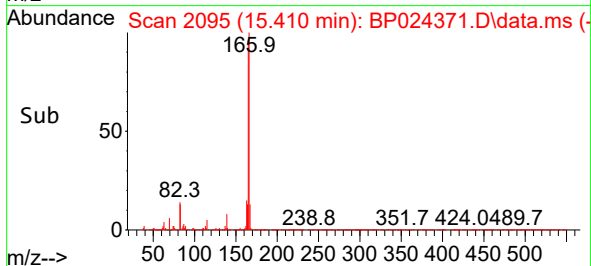
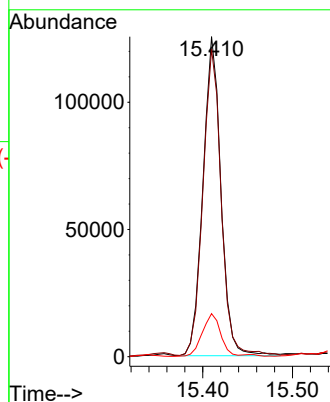
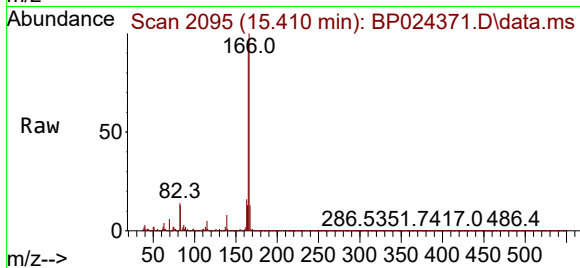
Tgt Ion:166 Resp: 174768

Ion Ratio Lower Upper

166 100

165 96.1 78.1 117.1

167 13.5 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.151 min Scan# 2391

Delta R.T. 0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

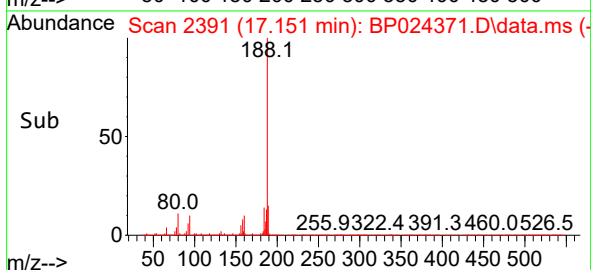
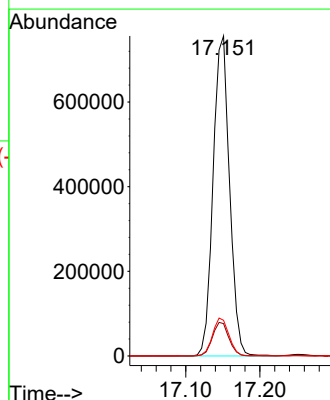
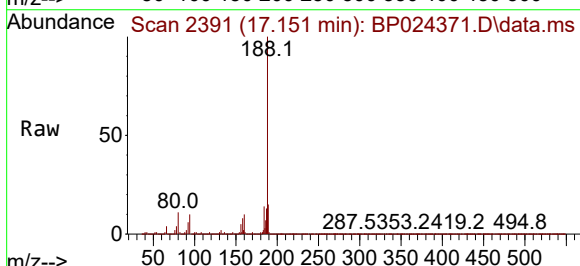
Tgt Ion:188 Resp: 1162898

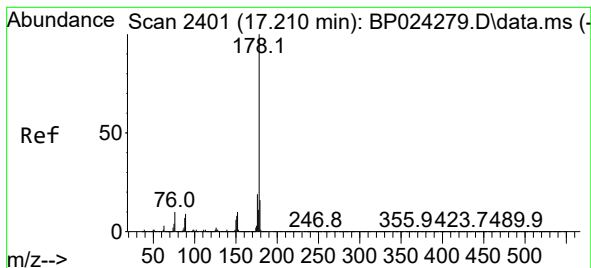
Ion Ratio Lower Upper

188 100

94 10.1 8.6 13.0

80 11.2 9.8 14.6





#71

Phenanthrene

Concen: 46.821 ng

RT: 17.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

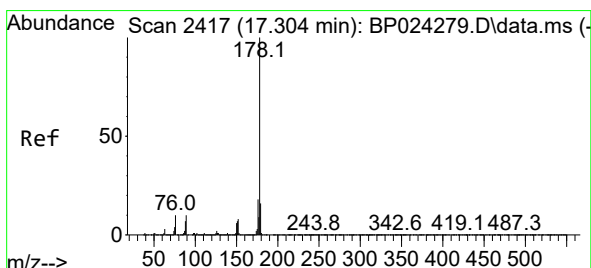
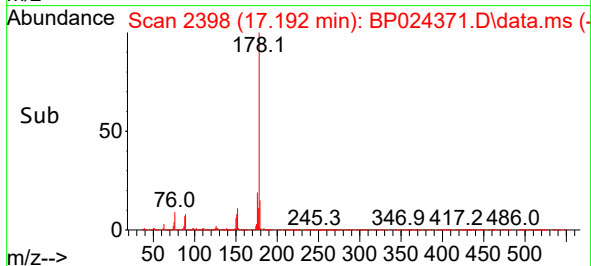
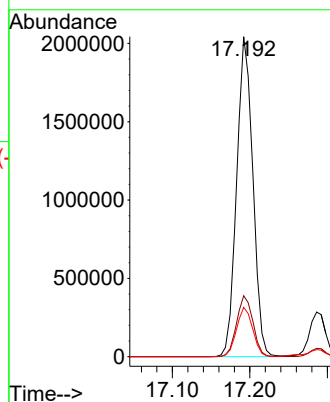
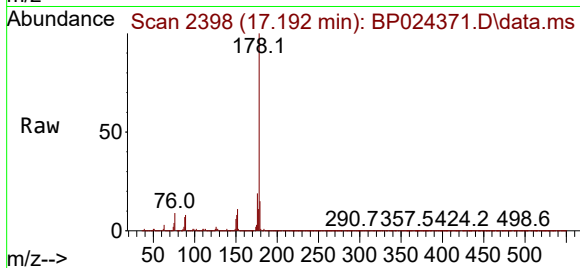
Tgt Ion:178 Resp: 2970260

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.4 12.5 18.7



#72

Anthracene

Concen: 6.553 ng

RT: 17.286 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

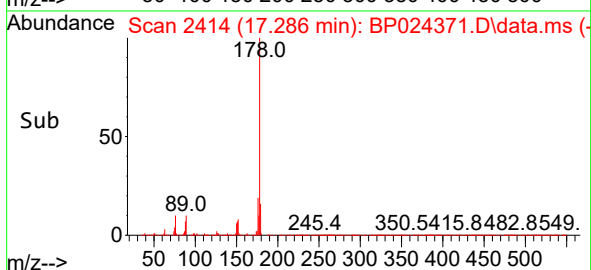
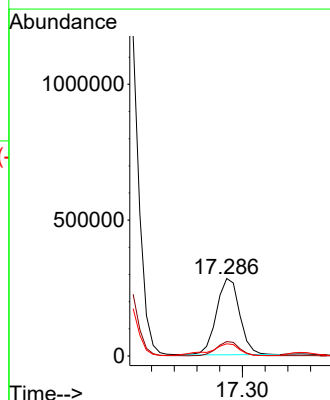
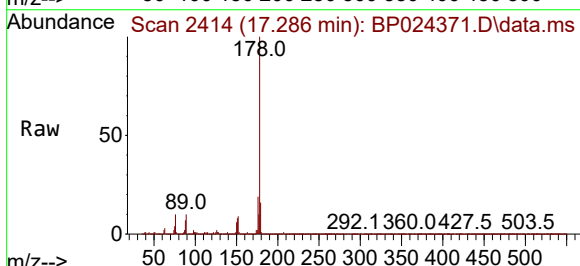
Tgt Ion:178 Resp: 400658

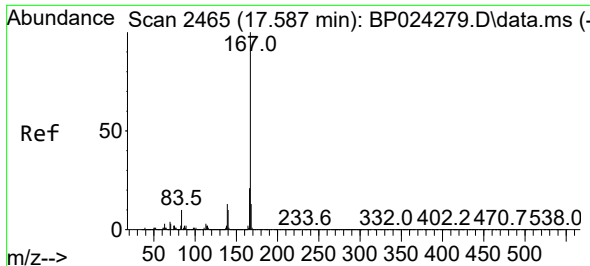
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.7 12.4 18.6

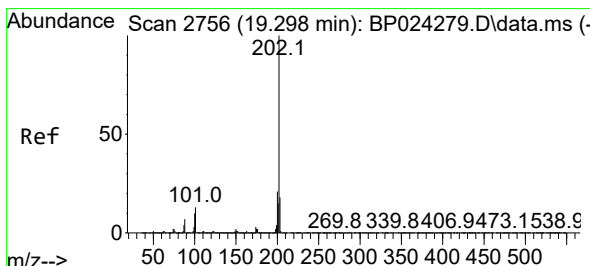
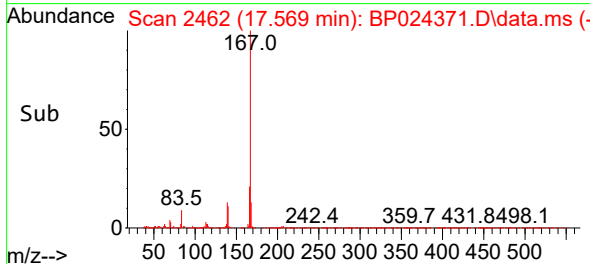
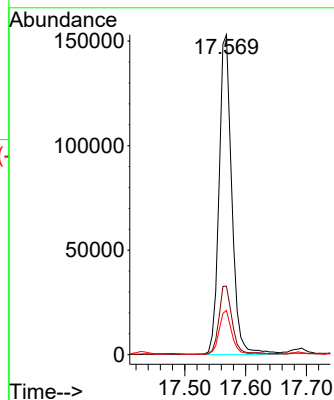
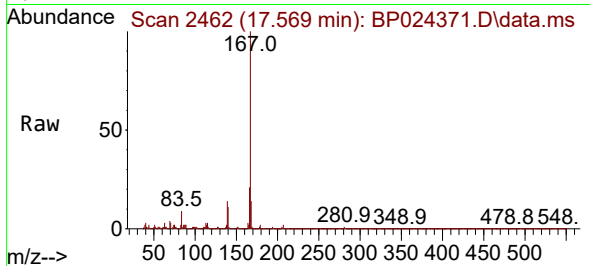




#73
 Carbazole
 Concen: 3.721 ng
 RT: 17.569 min Scan# 2462
 Delta R.T. -0.000 min
 Lab File: BP024371.D
 Acq: 21 Apr 2025 21:01

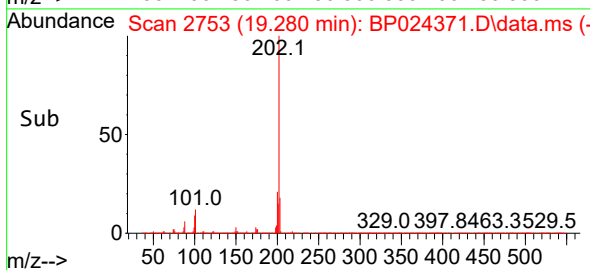
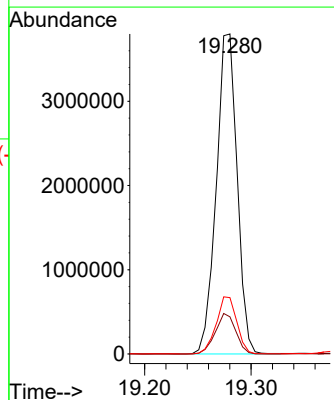
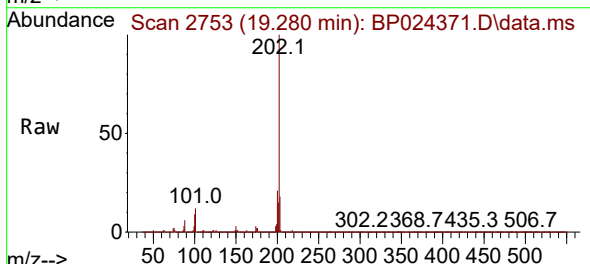
Instrument :
 BNA_P
 ClientSampleId :
 PL-714-COMP-11

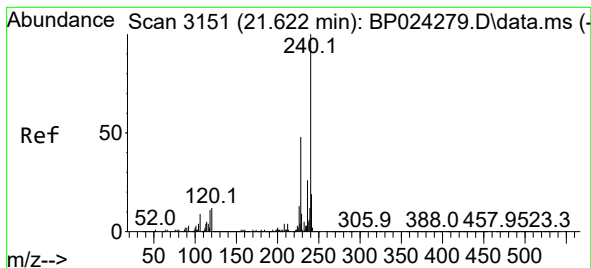
Tgt Ion:167 Resp: 222287
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.8 10.6 16.0



#75
 Fluoranthene
 Concen: 68.357 ng
 RT: 19.280 min Scan# 2753
 Delta R.T. -0.000 min
 Lab File: BP024371.D
 Acq: 21 Apr 2025 21:01

Tgt Ion:202 Resp: 5157561
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 33.2
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

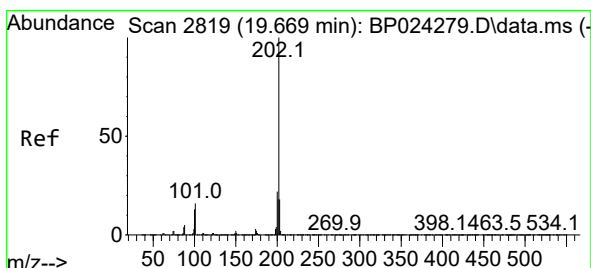
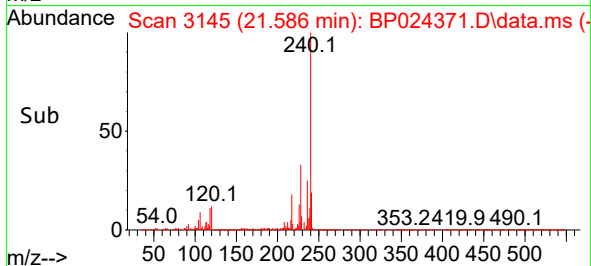
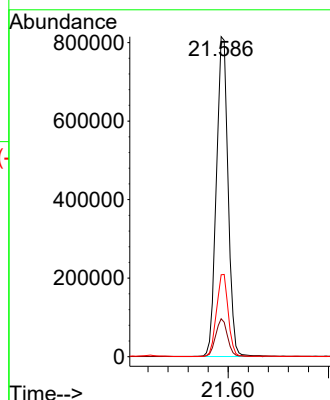
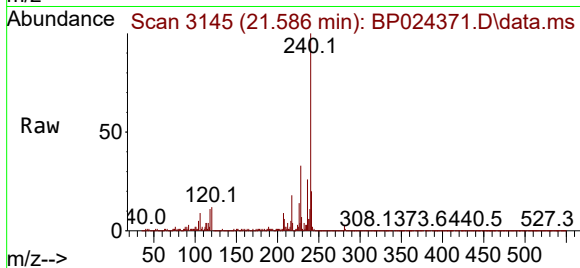
Tgt Ion:240 Resp: 1315889

Ion Ratio Lower Upper

240 100

120 11.9 9.8 14.8

236 25.6 20.9 31.3



#78

Pyrene

Concen: 52.553 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

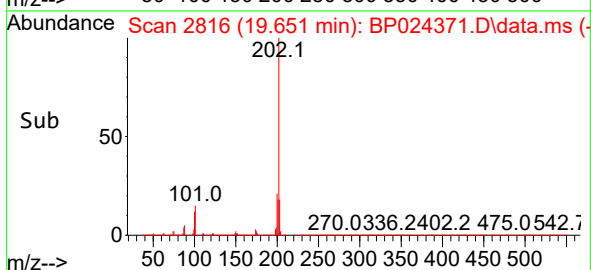
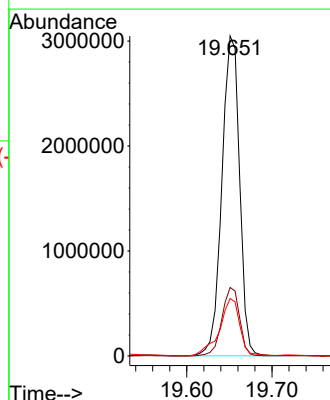
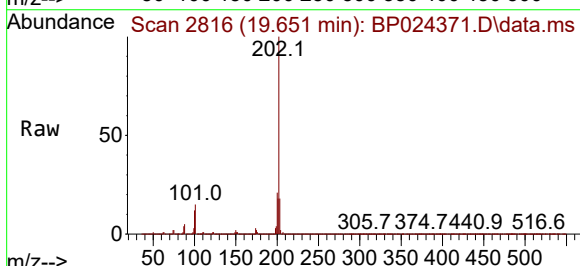
Tgt Ion:202 Resp: 4394772

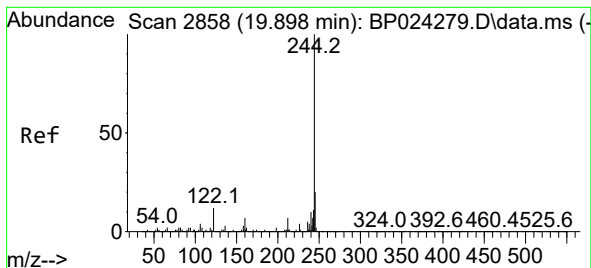
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 45.436 ng

RT: 19.874 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

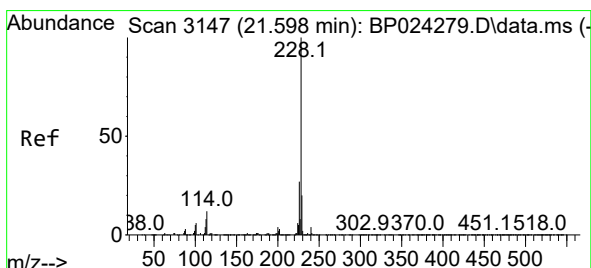
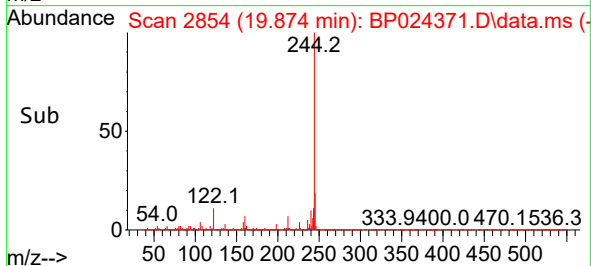
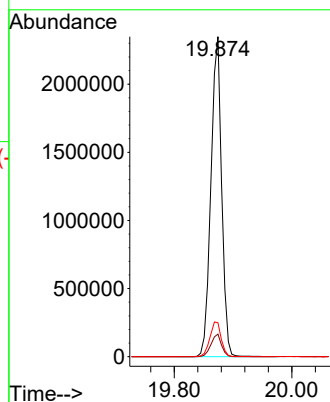
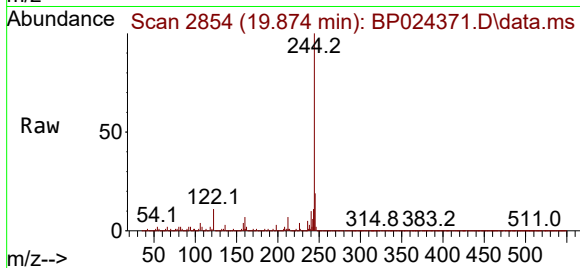
Tgt Ion:244 Resp: 2966275

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.6 9.4 14.0



#81

Benzo(a)anthracene

Concen: 22.355 ng

RT: 21.568 min Scan# 3142

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

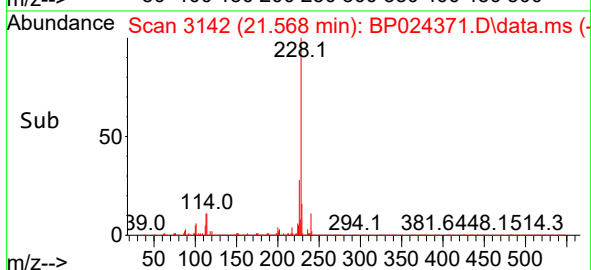
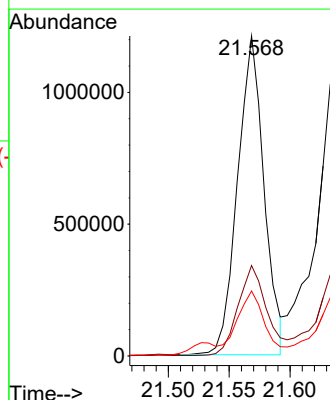
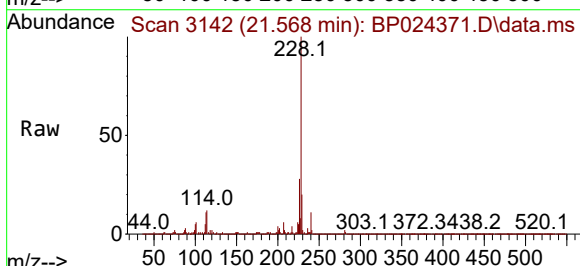
Tgt Ion:228 Resp: 1828402

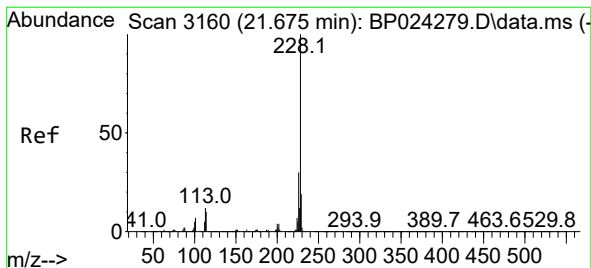
Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 20.3 15.9 23.9





#83

Chrysene

Concen: 23.214 ng

RT: 21.633 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

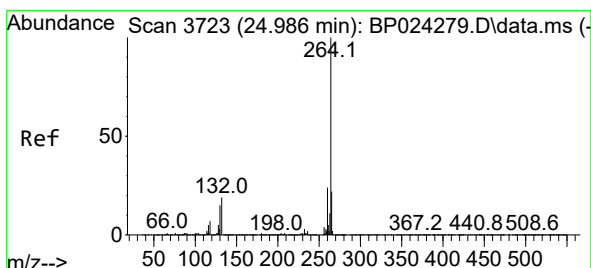
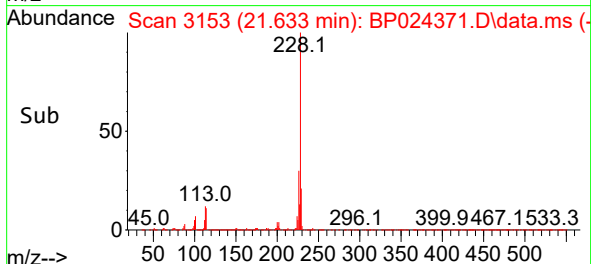
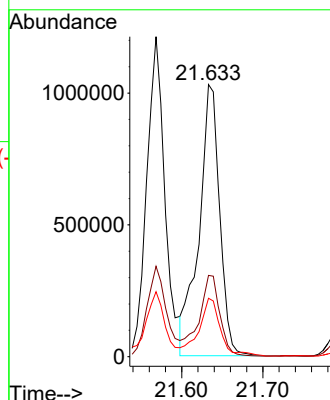
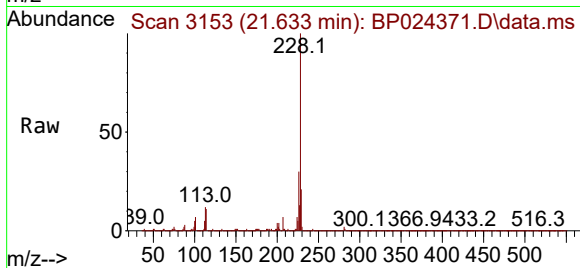
Tgt Ion:228 Resp: 1819067

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 21.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.933 min Scan# 3714

Delta R.T. -0.000 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

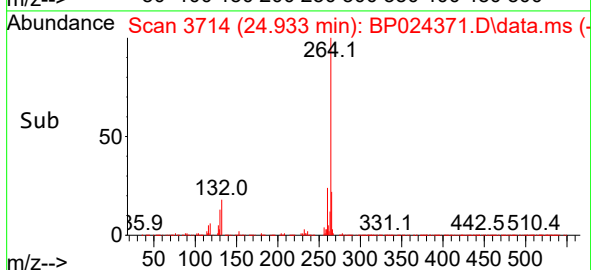
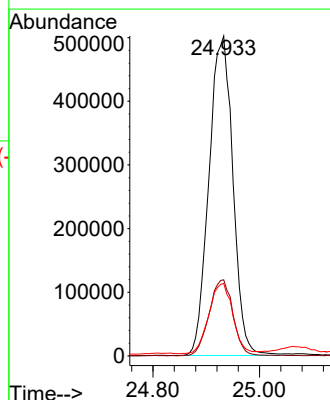
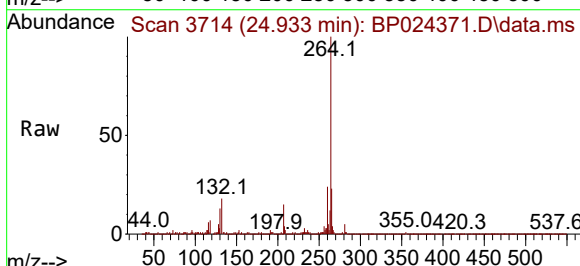
Tgt Ion:264 Resp: 1565997

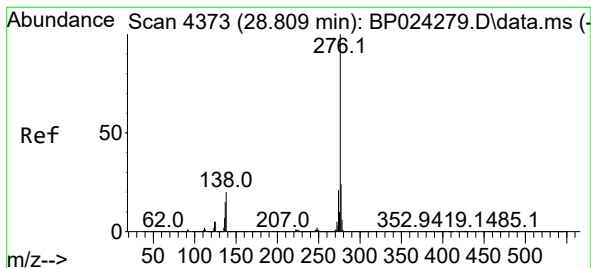
Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.191 ng

RT: 28.721 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

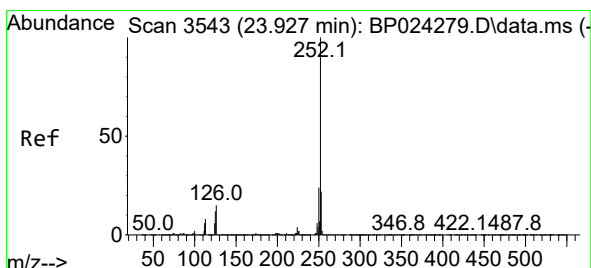
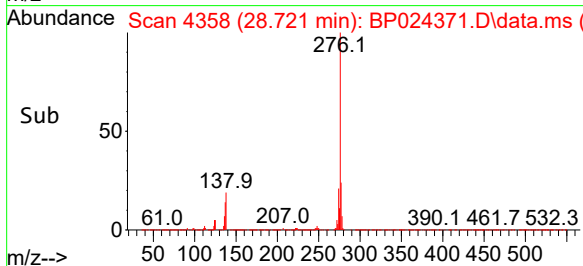
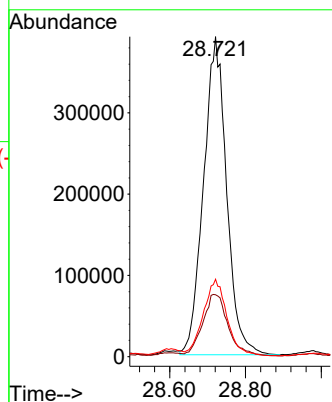
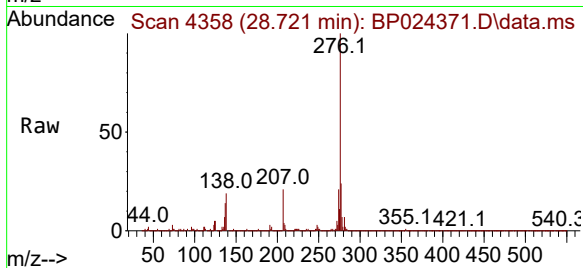
Tgt Ion:276 Resp: 1651535

Ion Ratio Lower Upper

276 100

138 21.4 14.5 21.7

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 30.092 ng

RT: 23.880 min Scan# 3535

Delta R.T. -0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

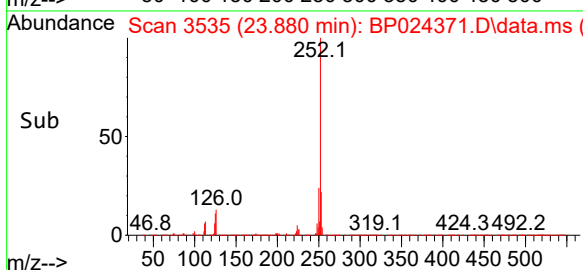
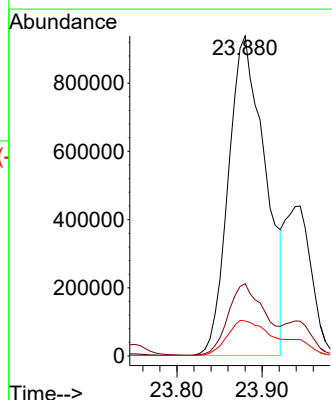
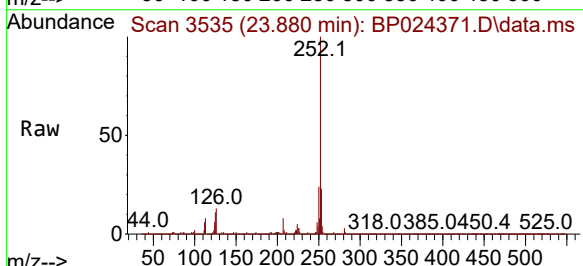
Tgt Ion:252 Resp: 2824681

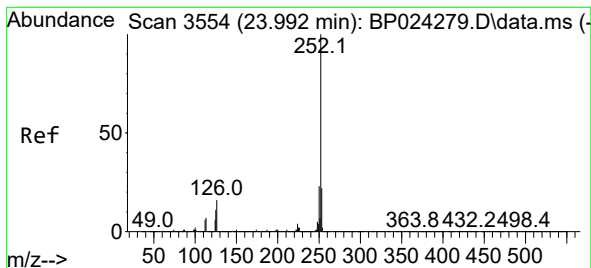
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.0 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 31.153 ng

RT: 23.880 min Scan# 31

Delta R.T. -0.077 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

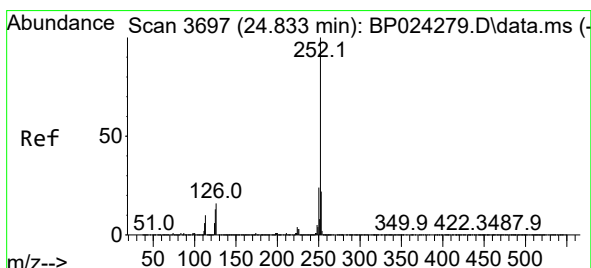
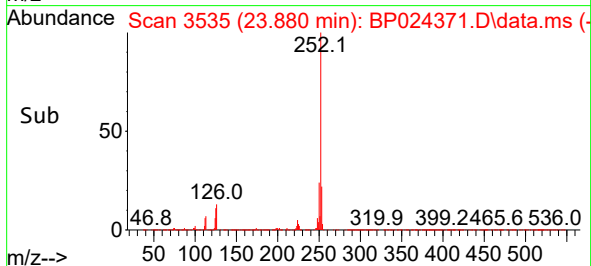
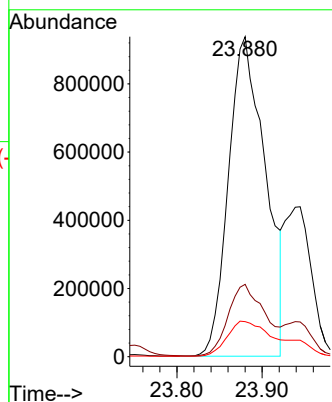
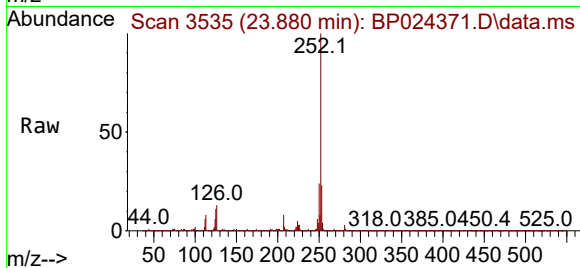
Tgt Ion:252 Resp: 2824681

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.0 9.1 13.7



#90

Benzo(a)pyrene

Concen: 25.680 ng

RT: 24.774 min Scan# 3687

Delta R.T. -0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

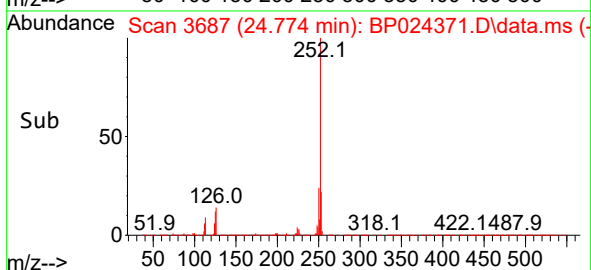
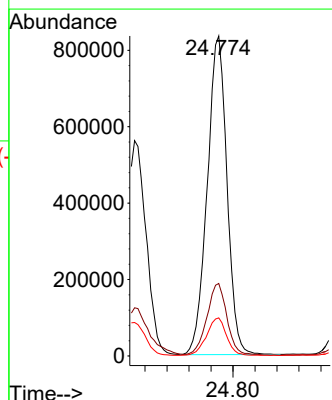
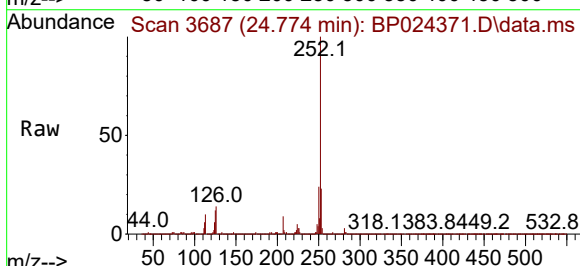
Tgt Ion:252 Resp: 2079291

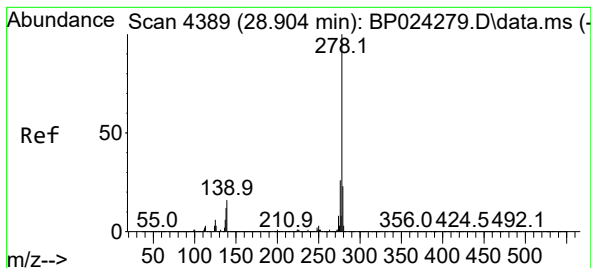
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 11.9 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.681 ng

RT: 28.768 min Scan# 41

Delta R.T. -0.035 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Instrument :

BNA_P

ClientSampleId :

PL-714-COMP-11

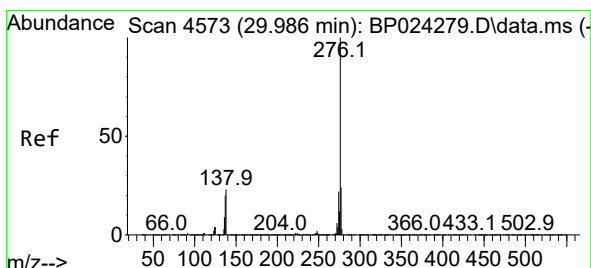
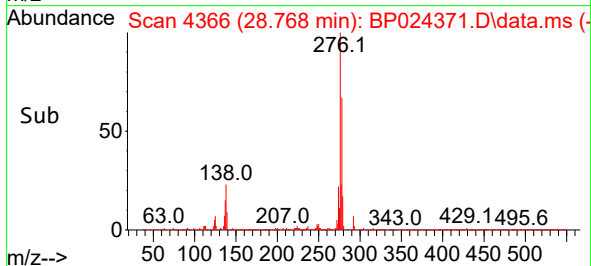
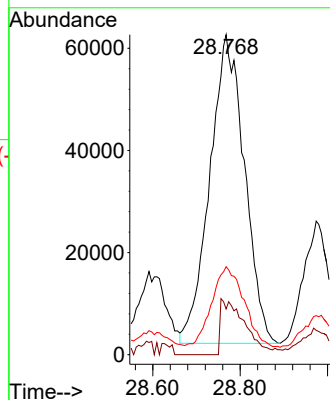
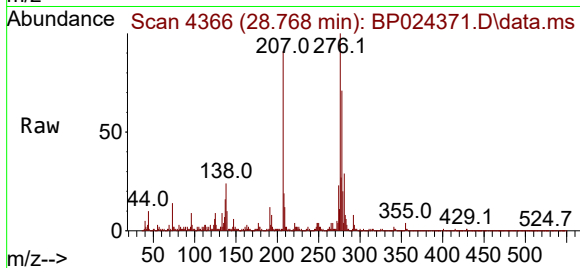
Tgt Ion:278 Resp: 332145

Ion Ratio Lower Upper

278 100

139 14.3 12.6 19.0

279 27.5 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 18.680 ng

RT: 29.903 min Scan# 4559

Delta R.T. 0.006 min

Lab File: BP024371.D

Acq: 21 Apr 2025 21:01

Tgt Ion:276 Resp: 1715742

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 21.5 18.7 28.1

