

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
 Data File : BP024530.D
 Acq On : 05 May 2025 18:07
 Operator : RC/JU
 Sample : Q1907-02RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CO-8R-WCRE

Quant Time: May 05 18:27:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

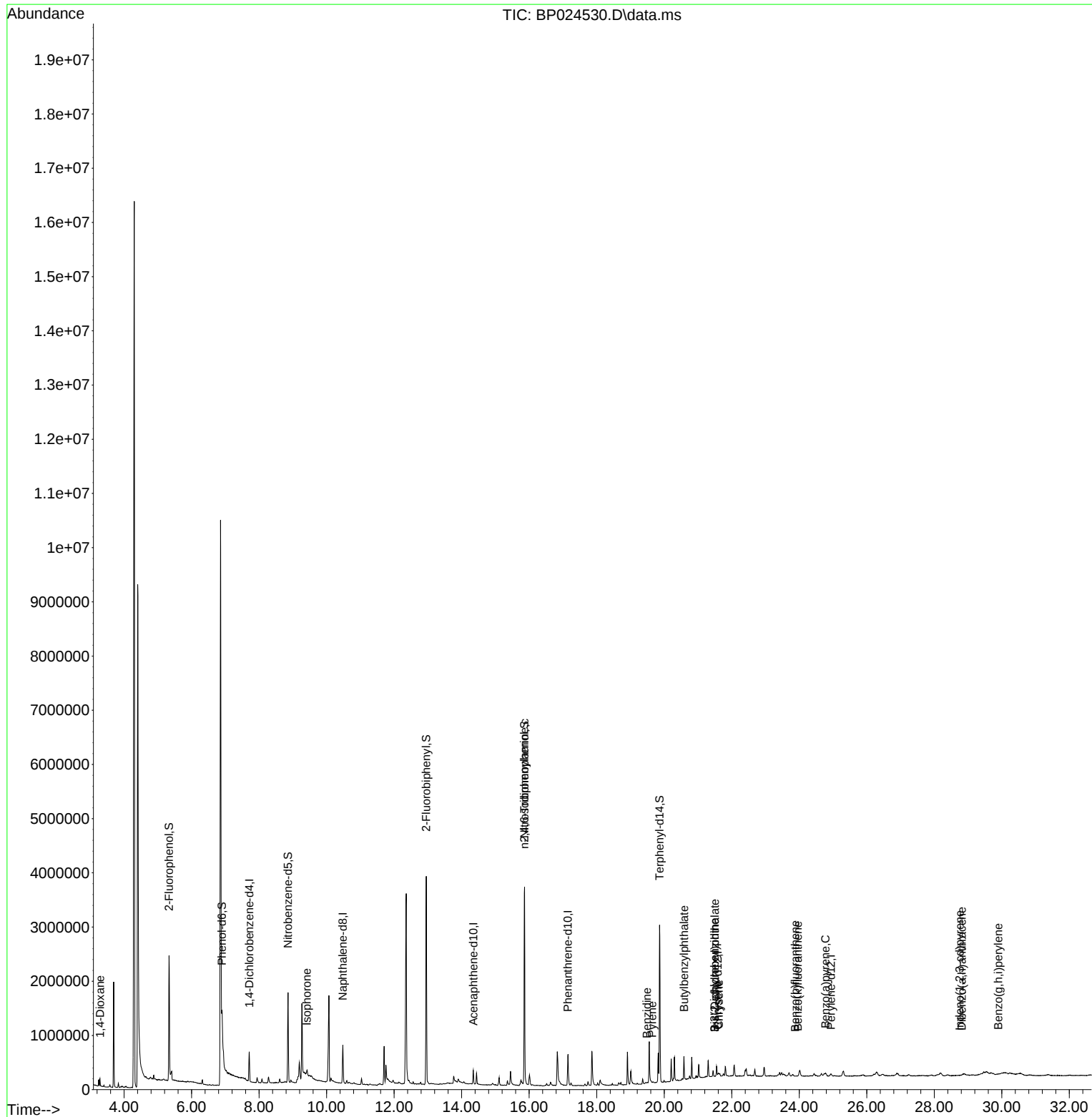
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	148721	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	499099	20.000	ng	-0.02
39) Acenaphthene-d10	14.345	164	59227	20.000	ng	# 0.00
64) Phenanthrene-d10	17.145	188	199964	20.000	ng	0.00
76) Chrysene-d12	21.586	240	4032	20.000	ng	# 0.00
86) Perylene-d12	24.939	264	86	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	978561	108.795	ng	-0.01
7) Phenol-d6	6.899	99	269368	21.871	ng	-0.01
23) Nitrobenzene-d5	8.857	82	895353	102.292	ng	-0.01
42) 2,4,6-Tribromophenol	15.863	330	761321	929.078	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2008918	519.337	ng	-0.01
79) Terphenyl-d14	19.863	244	722717	3612.936	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	8690	2.284	ng	# 1
25) Isophorone	9.416	82	67890	4.285	ng	# 91
66) n-Nitrosodiphenylamine	15.857	169	20116	3.370	ng	# 50
77) Benzidine	19.492	184	443	8.668	ng	# 1
78) Pyrene	19.645	202	982	3.832	ng	# 64
80) Butylbenzylphthalate	20.586	149	4158	37.885	ng	# 49
82) 3,3'-Dichlorobenzidine	21.492	252	281	3.195	ng	# 72
83) Chrysene	21.622	228	3490	14.536	ng	# 8
84) Bis(2-ethylhexyl)phtha...	21.498	149	374	2.325	ng	# 86
87) Indeno(1,2,3-cd)pyrene	28.751	276	94	15.744	ng	# 1
88) Benzo(b)fluoranthene	23.880	252	131	25.413	ng	# 1
89) Benzo(k)fluoranthene	23.957	252	142	28.518	ng	# 1
90) Benzo(a)pyrene	24.780	252	86	19.341	ng	# 1
91) Dibenzo(a,h)anthracene	28.815	278	41	8.273	ng	# 1
92) Benzo(g,h,i)perylene	29.892	276	102	20.221	ng	# 1

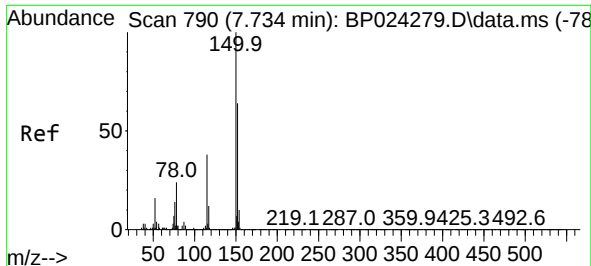
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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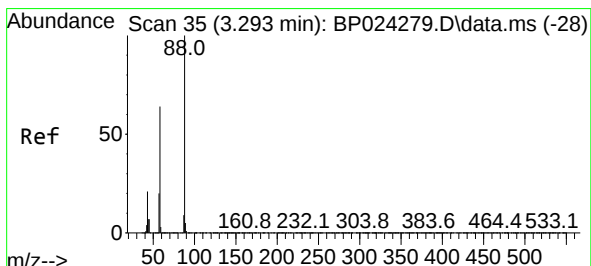
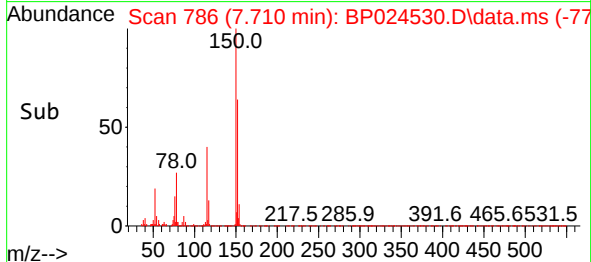
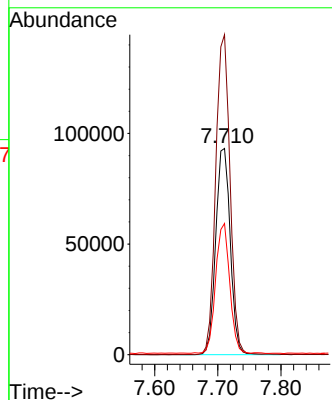
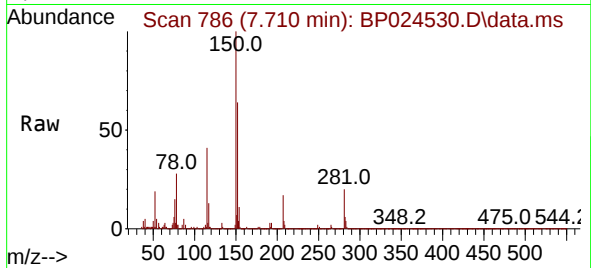




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

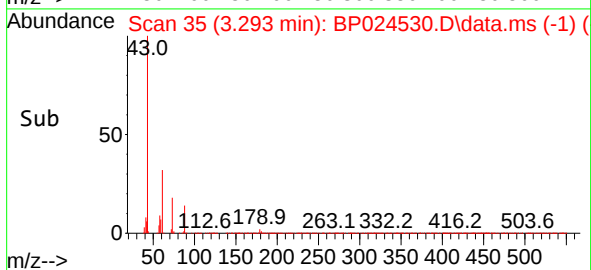
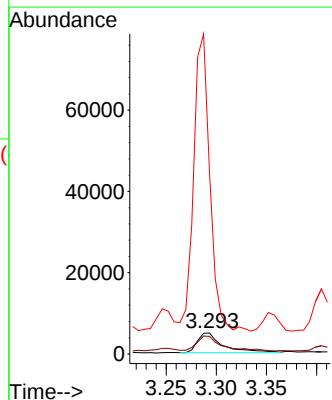
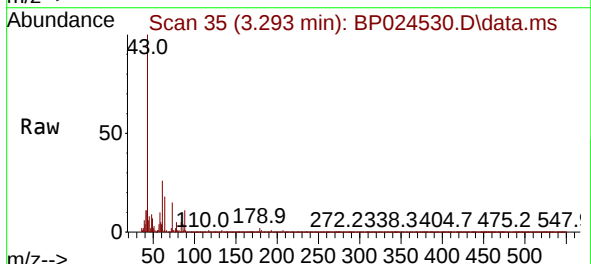
Instrument :
BNA_P
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CO-8R-WCRE

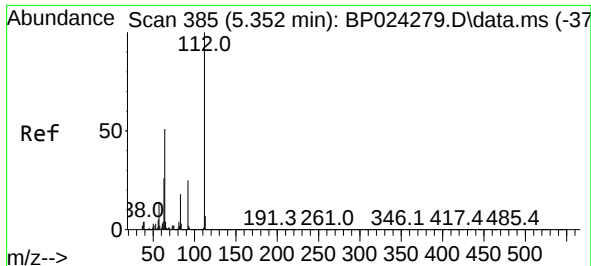
Tgt Ion:152 Resp: 148721
Ion Ratio Lower Upper
152 100
150 155.2 124.9 187.3
115 63.6 47.7 71.5



#2
1,4-Dioxane
Concen: 2.284 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.006 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Tgt Ion: 88 Resp: 8690
Ion Ratio Lower Upper
88 100
58 73.1 51.4 77.2
43 952.7 17.1 25.7#

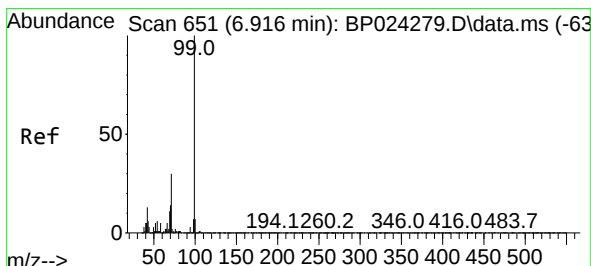
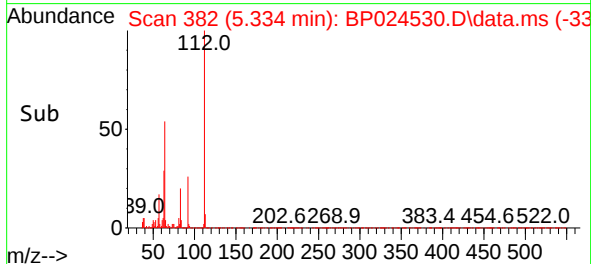
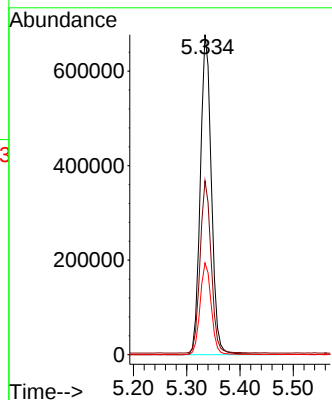
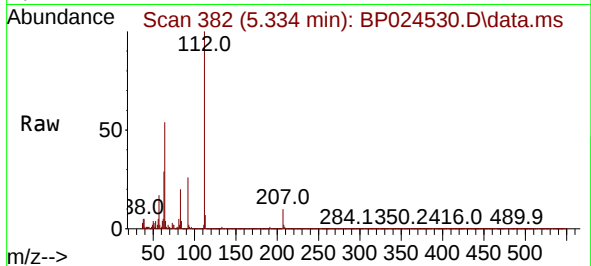




#5
2-Fluorophenol
Concen: 108.795 ng
RT: 5.334 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

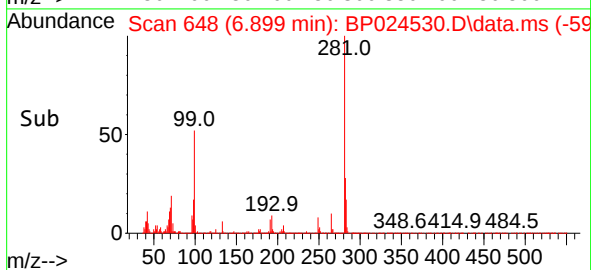
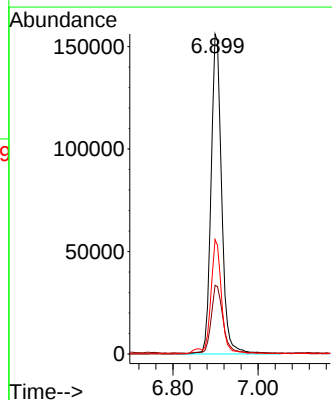
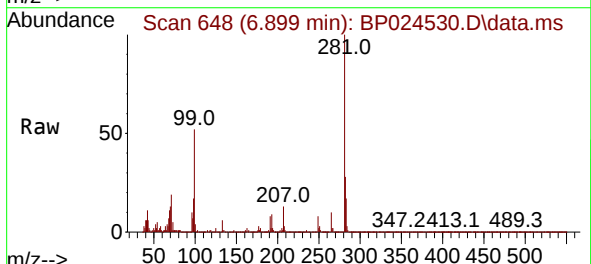
Instrument :
BNA_P
ClientSampleId :
CO-8R-WCRE

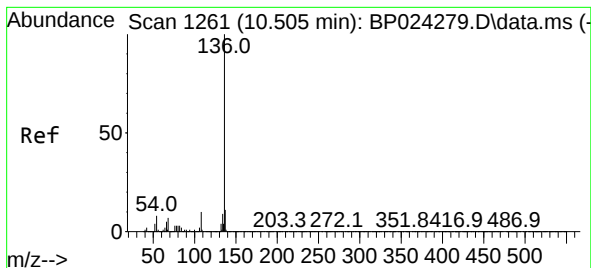
Tgt Ion:112 Resp: 978561
Ion Ratio Lower Upper
112 100
64 54.4 41.1 61.7
63 28.7 20.6 30.8



#7
Phenol-d6
Concen: 21.871 ng
RT: 6.899 min Scan# 648
Delta R.T. -0.012 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Tgt Ion: 99 Resp: 269368
Ion Ratio Lower Upper
99 100
42 21.5 10.6 16.0#
71 35.7 23.7 35.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.481 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

Tgt Ion:136 Resp: 499099

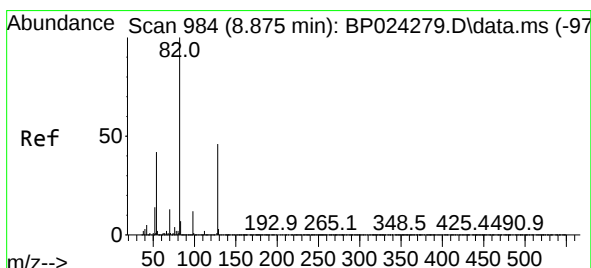
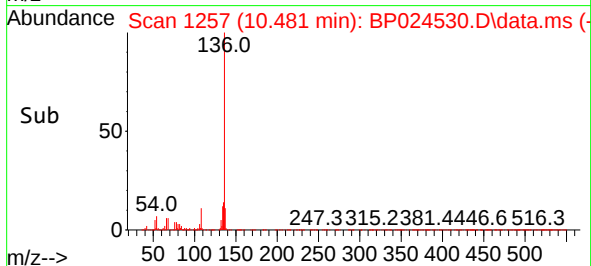
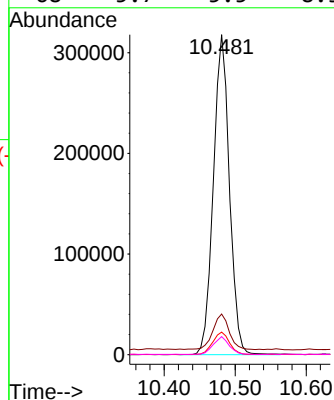
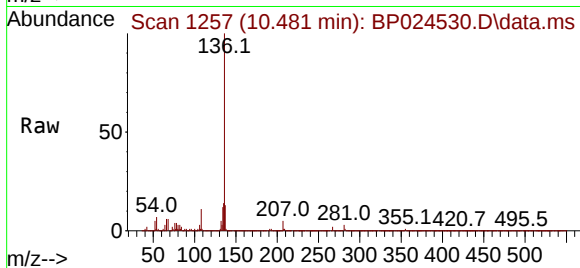
Ion Ratio Lower Upper

136 100

137 12.7 9.2 13.8

54 7.0 6.0 9.0

68 5.7 5.5 8.3



#23

Nitrobenzene-d5

Concen: 102.292 ng

RT: 8.857 min Scan# 981

Delta R.T. -0.012 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

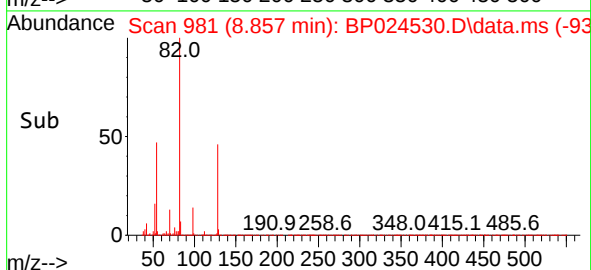
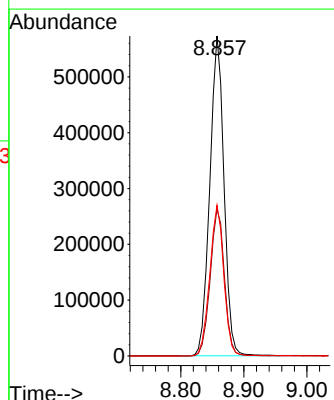
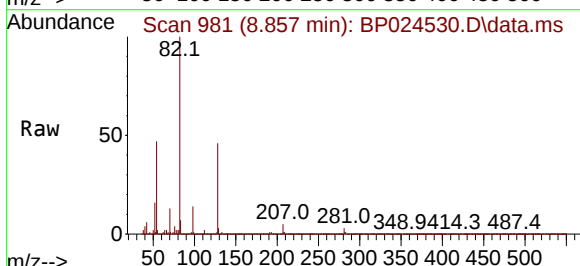
Tgt Ion: 82 Resp: 895353

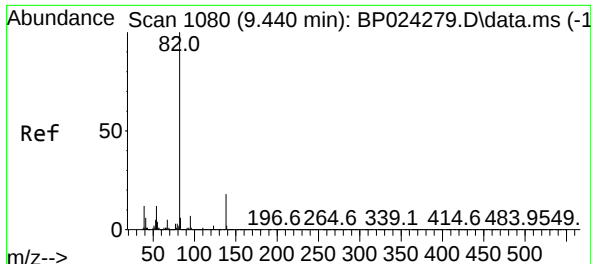
Ion Ratio Lower Upper

82 100

128 45.9 36.5 54.7

54 47.1 33.4 50.2

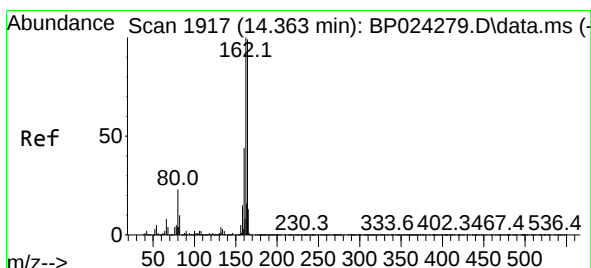
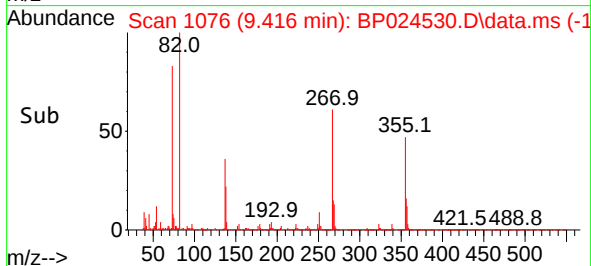
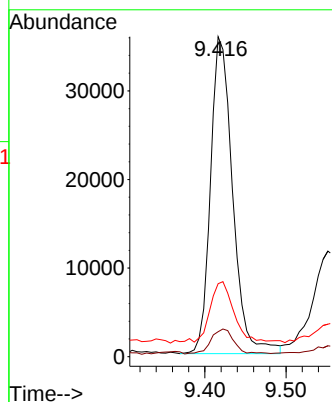
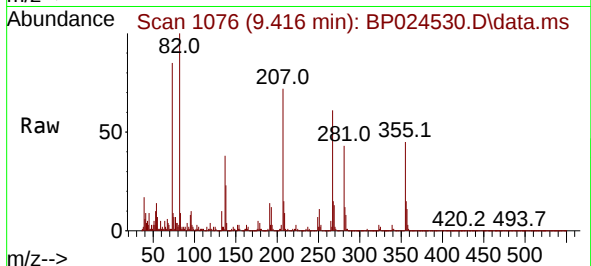




#25
Isophorone
Concen: 4.285 ng
RT: 9.416 min Scan# 1080
Delta R.T. -0.012 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

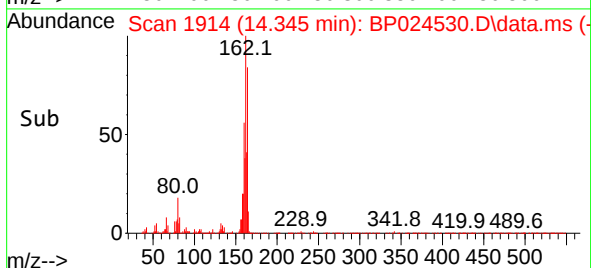
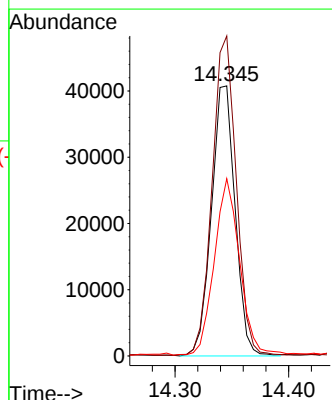
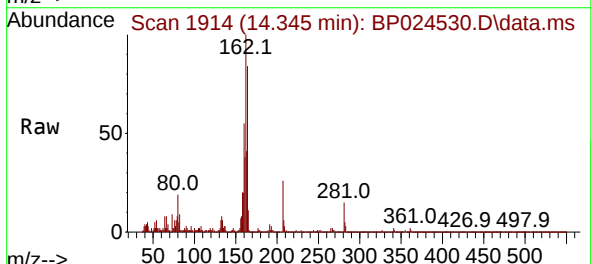
Instrument :
BNA_P
ClientSampleId :
CO-8R-WCRE

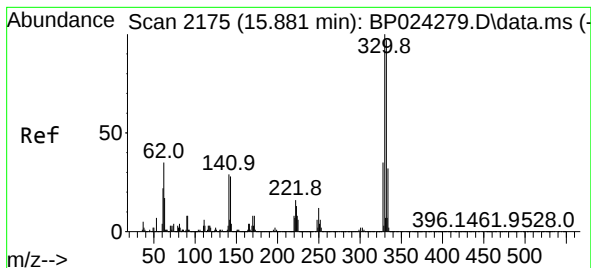
Tgt Ion: 82 Resp: 67890
Ion Ratio Lower Upper
82 100
95 7.8 5.4 8.2
138 22.8 14.4 21.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Tgt Ion: 164 Resp: 59227
Ion Ratio Lower Upper
164 100
162 118.5 80.6 120.8
160 65.7 35.3 52.9#





#42

2,4,6-Tribromophenol

Concen: 929.078 ng

RT: 15.863 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

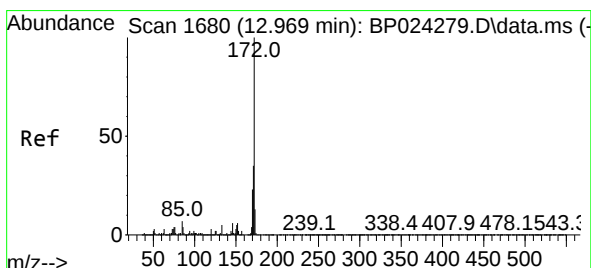
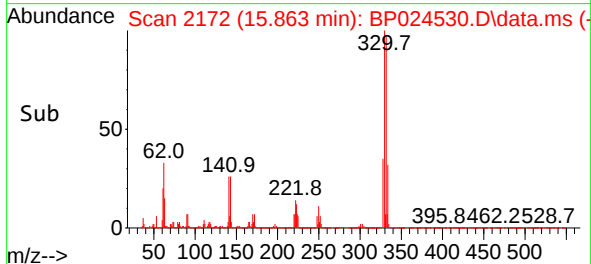
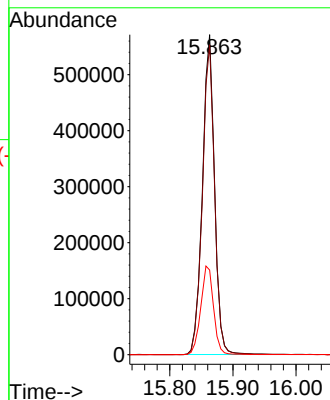
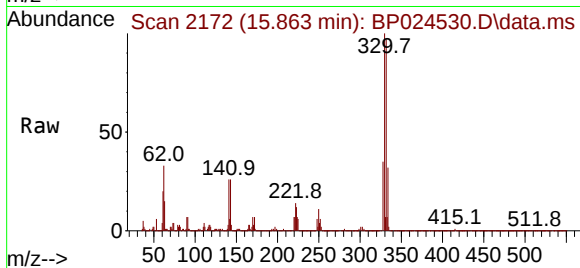
Tgt Ion:330 Resp: 761321

Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

141 29.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 519.337 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

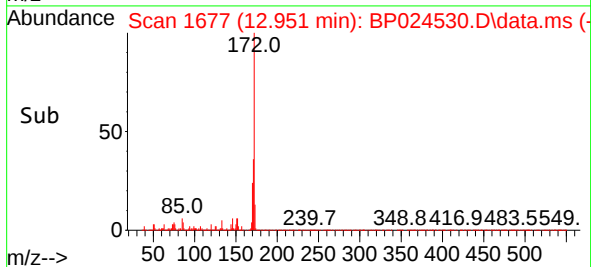
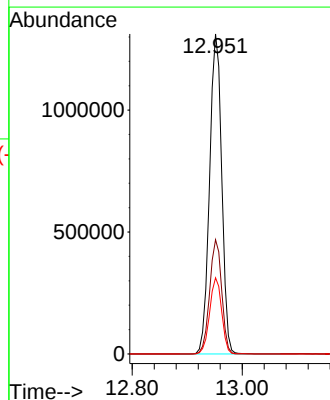
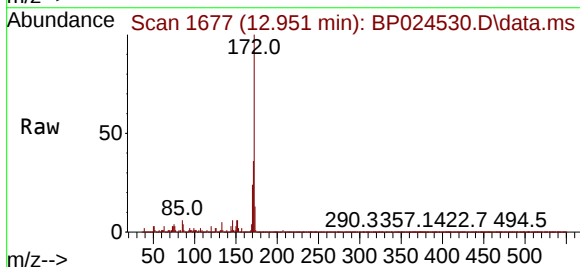
Tgt Ion:172 Resp: 2008918

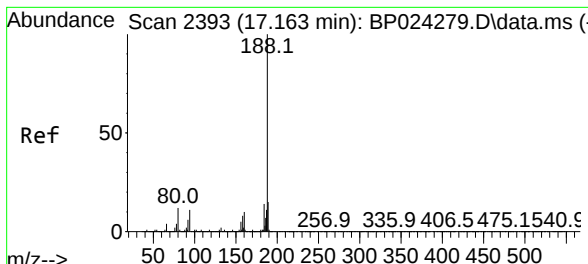
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.8 18.6 27.8

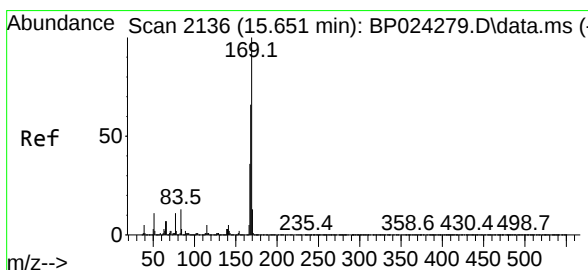
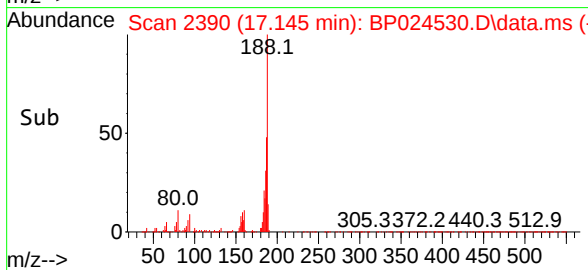
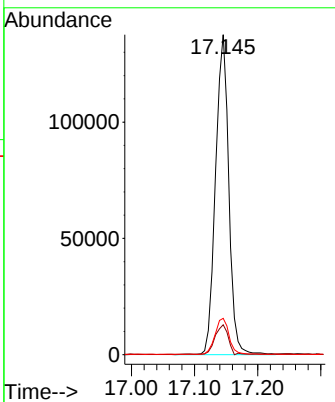
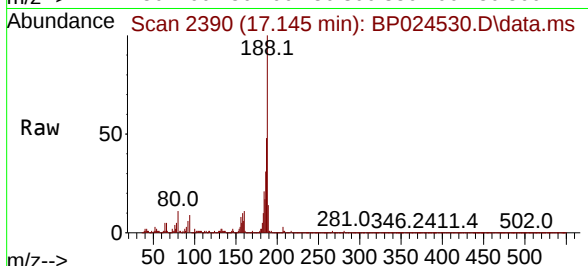




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

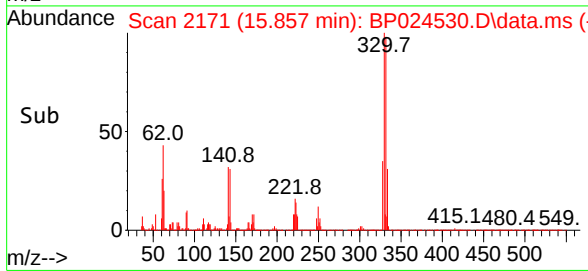
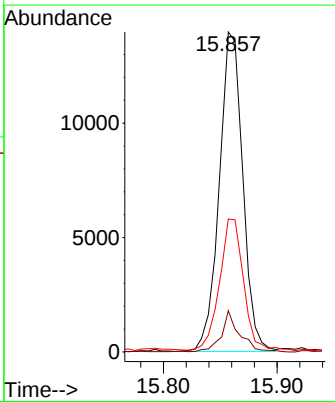
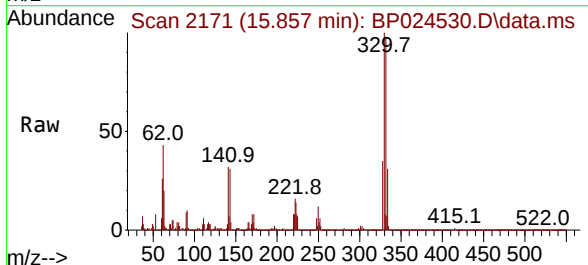
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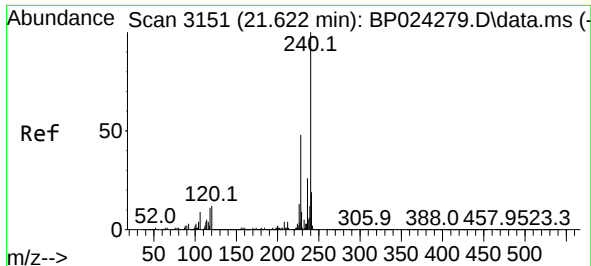
Tgt Ion:	188	Resp:	199964
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.6	13.0
80	11.4	9.8	14.6



#66
n-Nitrosodiphenylamine
Concen: 3.370 ng
RT: 15.857 min Scan# 2171
Delta R.T. 0.229 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Tgt Ion:	169	Resp:	20116
Ion	Ratio	Lower	Upper
169	100		
168	12.9	53.0	79.4#
167	48.0	28.9	43.3#

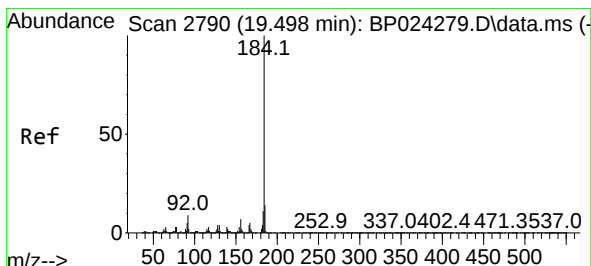
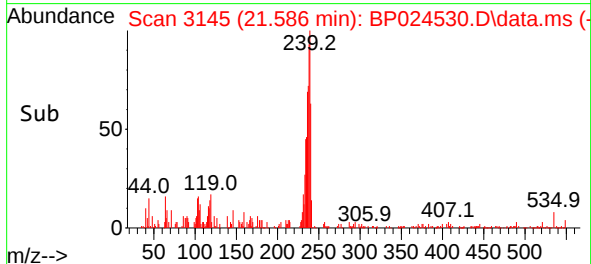
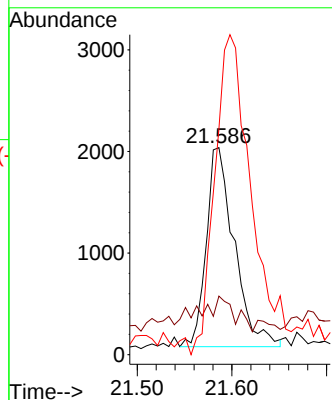
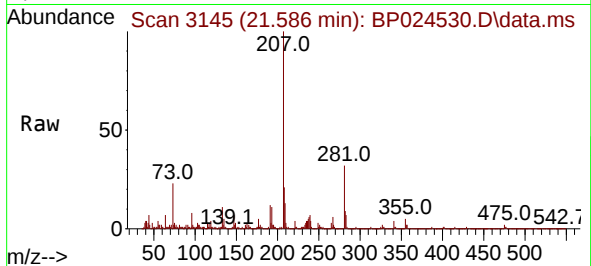




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

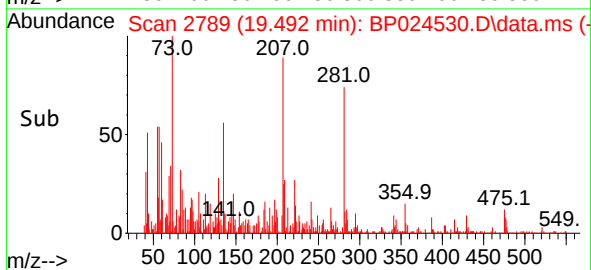
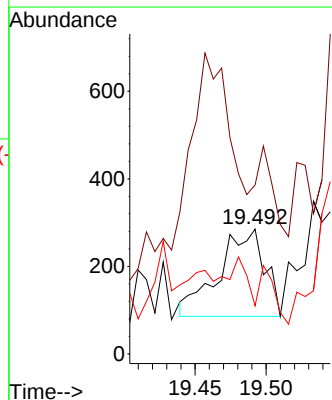
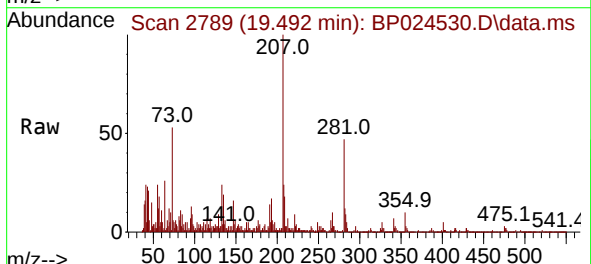
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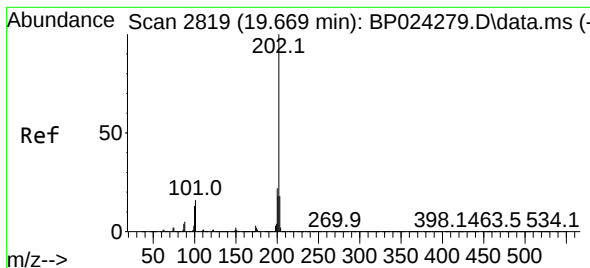
Tgt Ion:240 Resp: 4032
Ion Ratio Lower Upper
240 100
120 28.3 9.8 14.8#
236 109.1 20.9 31.3#



#77
Benzidine
Concen: 8.668 ng
RT: 19.492 min Scan# 2789
Delta R.T. 0.012 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Tgt Ion:184 Resp: 443
Ion Ratio Lower Upper
184 100
185 135.4 11.6 17.4#
183 38.6 9.2 13.8#





#78

Pyrene

Concen: 3.832 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

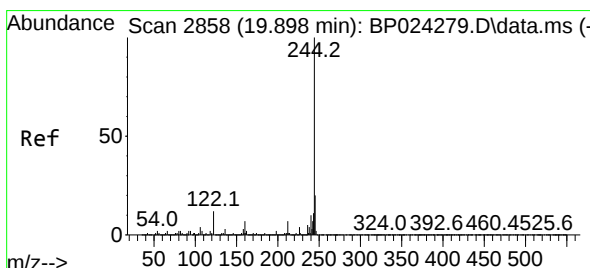
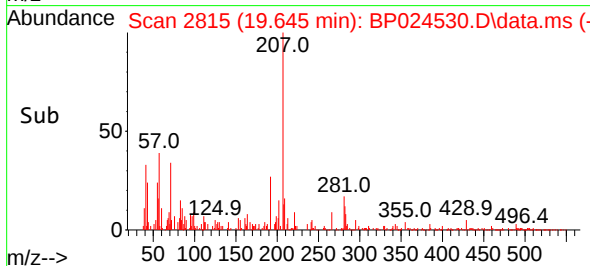
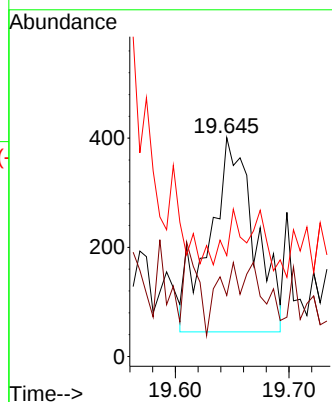
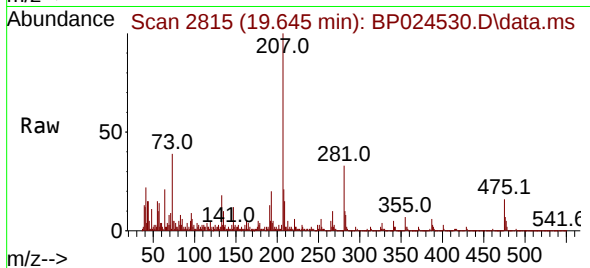
Tgt Ion:202 Resp: 982

Ion Ratio Lower Upper

202 100

200 27.9 17.2 25.8#

203 46.1 14.4 21.6#



#79

Terphenyl-d14

Concen: 3612.936 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.012 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

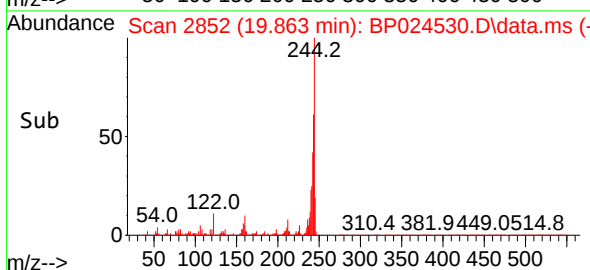
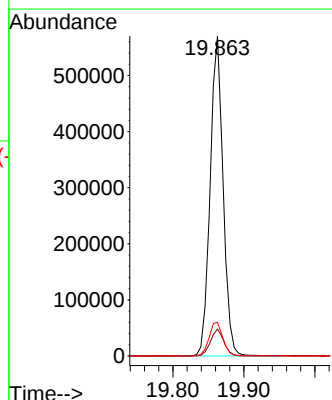
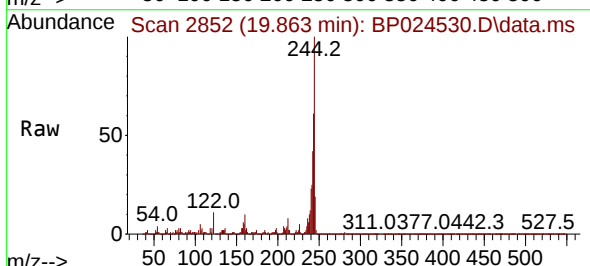
Tgt Ion:244 Resp: 722717

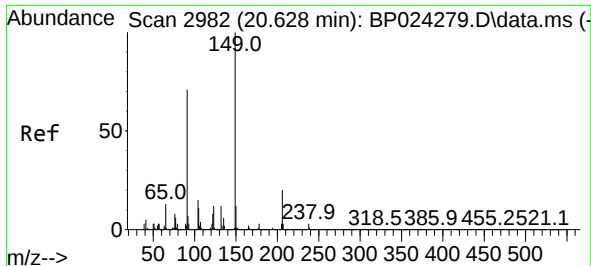
Ion Ratio Lower Upper

244 100

212 8.4 5.6 8.4

122 10.6 9.4 14.0

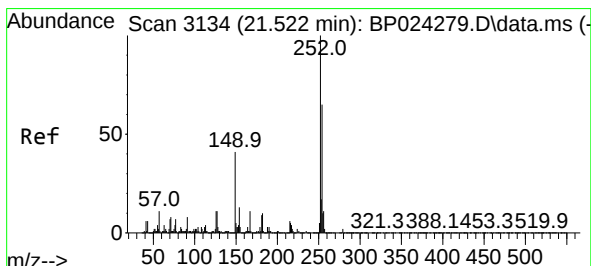
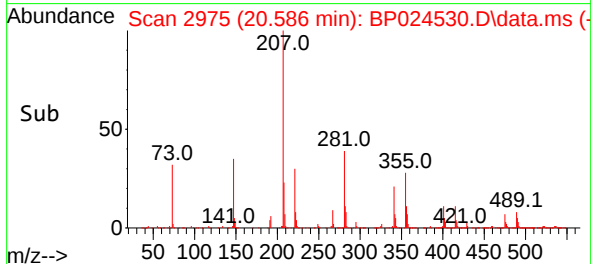
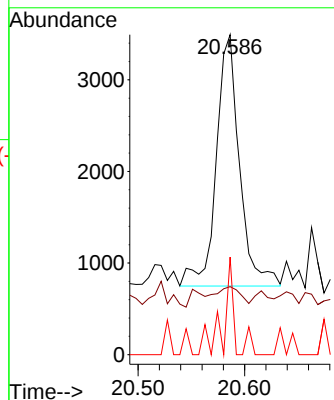
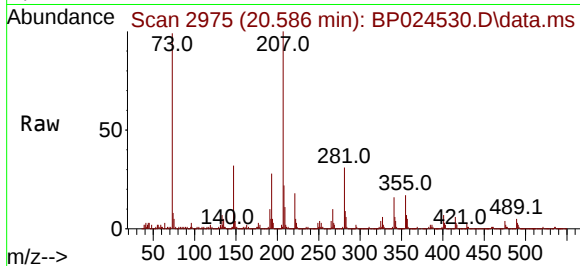




#80
 Butylbenzylphthalate
 Concen: 37.885 ng
 RT: 20.586 min Scan# 2982
 Delta R.T. -0.018 min
 Lab File: BP024530.D
 Acq: 05 May 2025 18:07

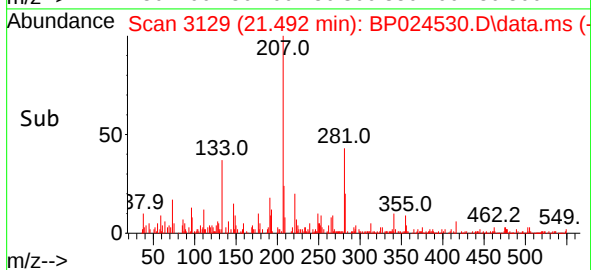
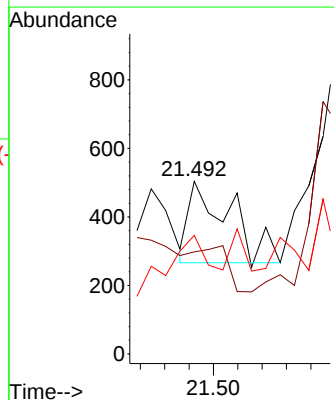
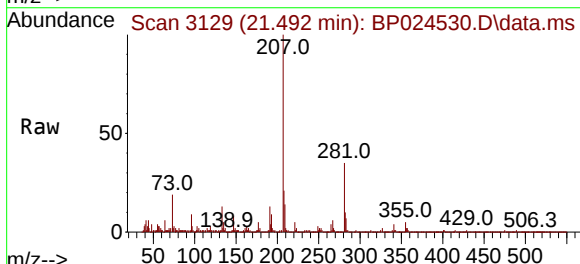
Instrument :
 BNA_P
 ClientSampleId :
 CO-8R-WCRE

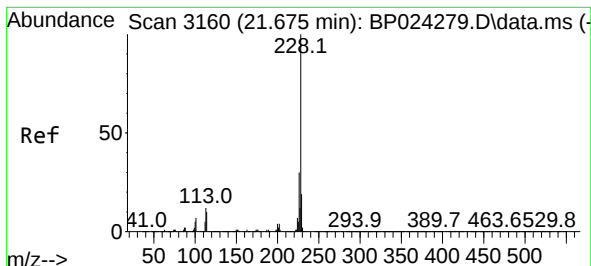
Tgt Ion:149 Resp: 4158
 Ion Ratio Lower Upper
 149 100
 91 21.3 56.4 84.6#
 206 30.5 16.3 24.5#



#82
 3,3'-Dichlorobenzidine
 Concen: 3.195 ng
 RT: 21.492 min Scan# 3129
 Delta R.T. 0.000 min
 Lab File: BP024530.D
 Acq: 05 May 2025 18:07

Tgt Ion:252 Resp: 281
 Ion Ratio Lower Upper
 252 100
 254 59.1 51.7 77.5
 126 68.7 8.8 13.2#





#83

Chrysene

Concen: 14.536 ng

RT: 21.622 min Scan# 3160

Delta R.T. -0.018 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

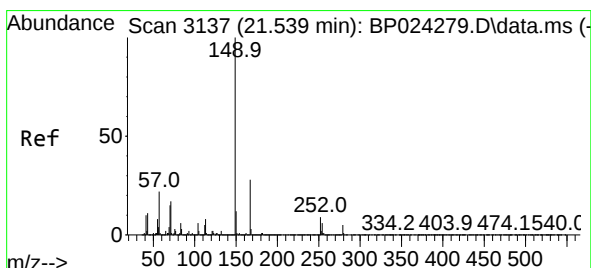
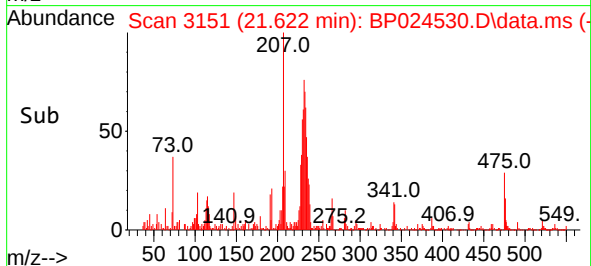
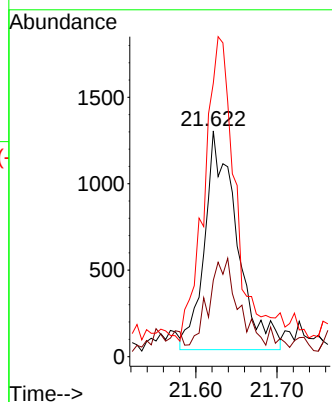
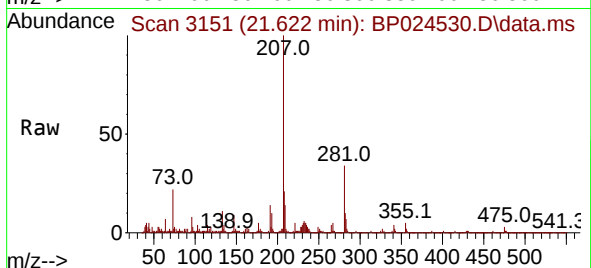
Tgt Ion:228 Resp: 3490

Ion Ratio Lower Upper

228 100

226 33.8 24.2 36.2

229 121.2 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.325 ng

RT: 21.498 min Scan# 3130

Delta R.T. -0.012 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

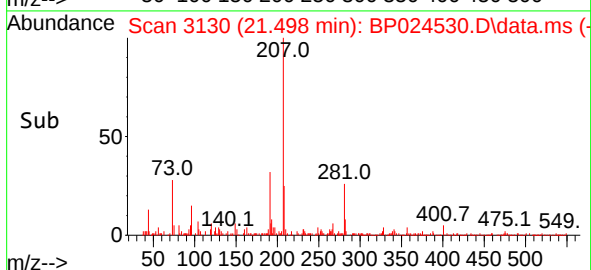
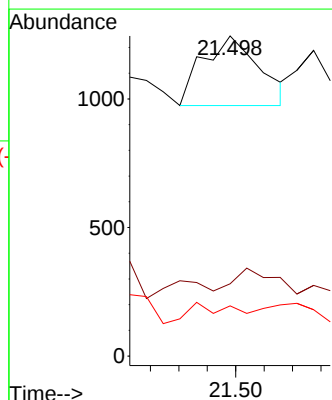
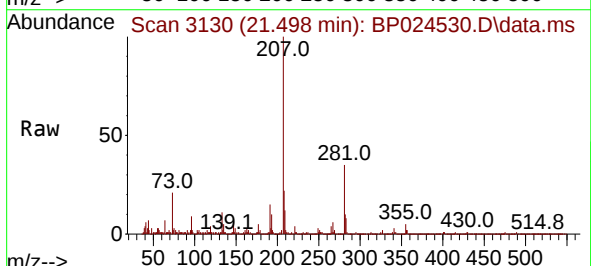
Tgt Ion:149 Resp: 374

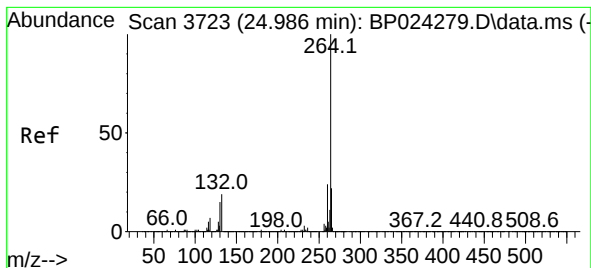
Ion Ratio Lower Upper

149 100

167 22.6 22.4 33.6

279 15.7 4.0 6.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

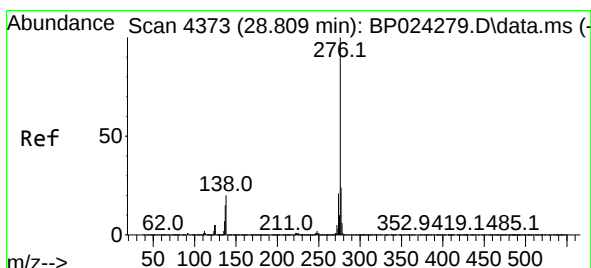
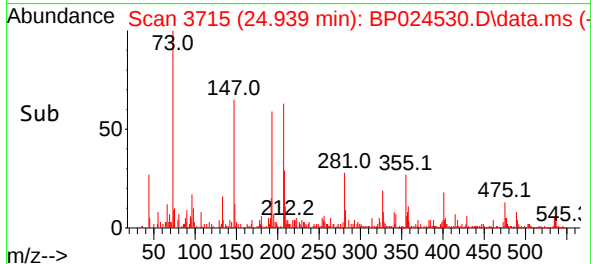
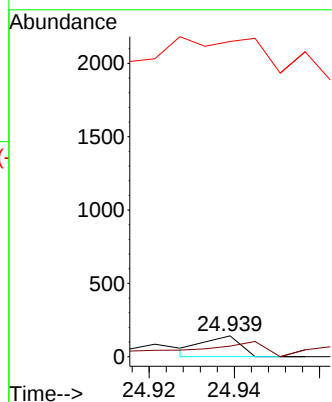
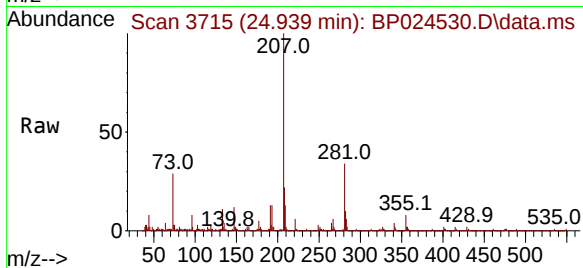
BNA_P

ClientSampleId :

CO-8R-WCRE

Tgt Ion:264 Resp: 86

Ion	Ratio	Lower	Upper
264	100		
260	50.7	18.9	28.3#
265	1513.4	17.8	26.6#



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.744 ng

RT: 28.751 min Scan# 4363

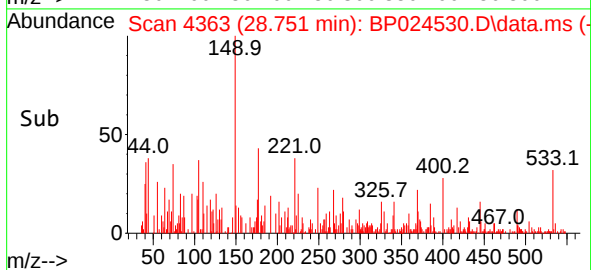
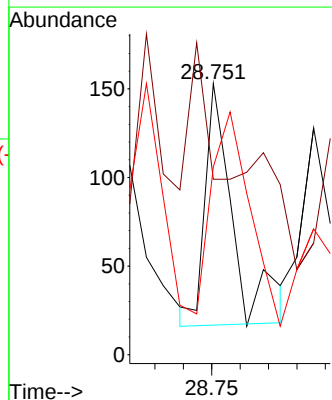
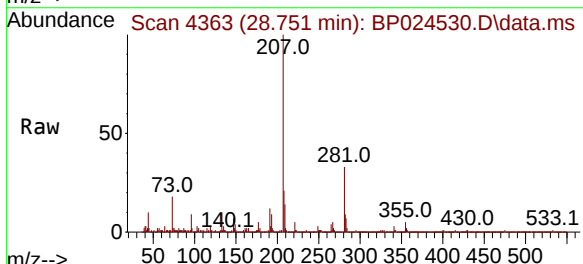
Delta R.T. 0.012 min

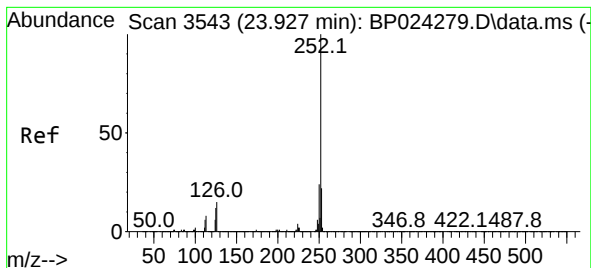
Lab File: BP024530.D

Acq: 05 May 2025 18:07

Tgt Ion:276 Resp: 94

Ion	Ratio	Lower	Upper
276	100		
138	51.1	14.5	21.7#
277	121.3	20.2	30.2#





#88

Benzo(b)fluoranthene

Concen: 25.413 ng

RT: 23.880 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

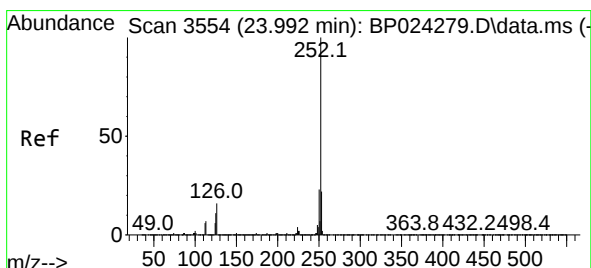
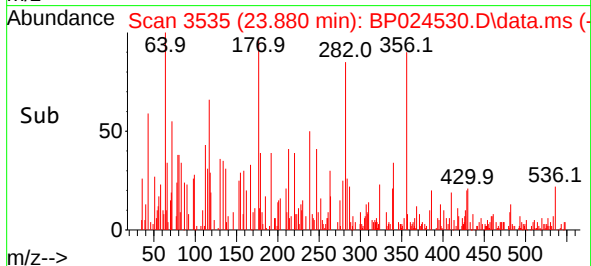
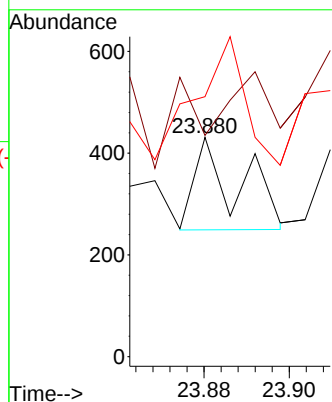
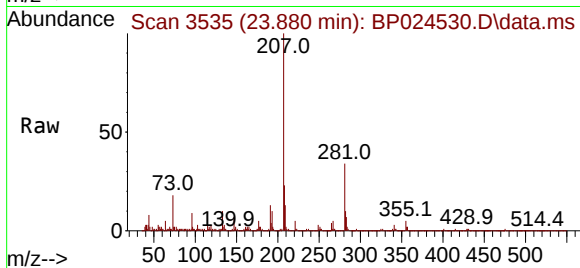
Tgt Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

253 100.9 17.7 26.5#

125 118.6 9.4 14.0#



#89

Benzo(k)fluoranthene

Concen: 28.518 ng

RT: 23.957 min Scan# 3548

Delta R.T. 0.000 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

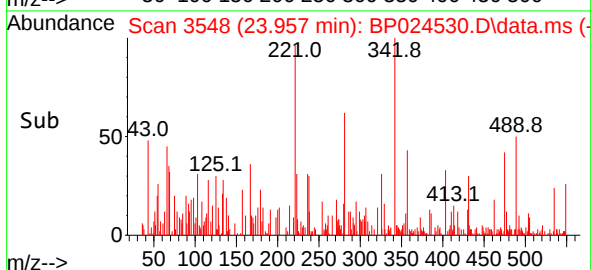
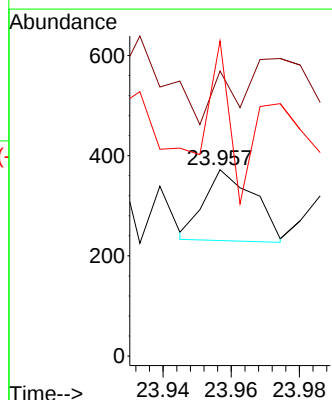
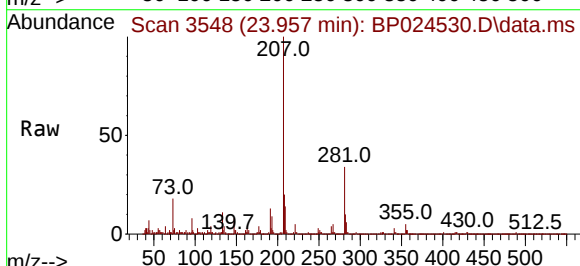
Tgt Ion:252 Resp: 142

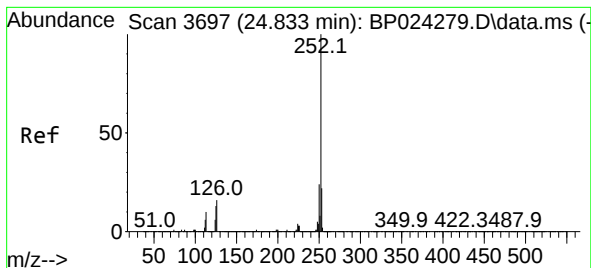
Ion Ratio Lower Upper

252 100

253 153.0 17.7 26.5#

125 169.1 9.1 13.7#





#90

Benzo(a)pyrene

Concen: 19.341 ng

RT: 24.780 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

Instrument :

BNA_P

ClientSampleId :

CO-8R-WCRE

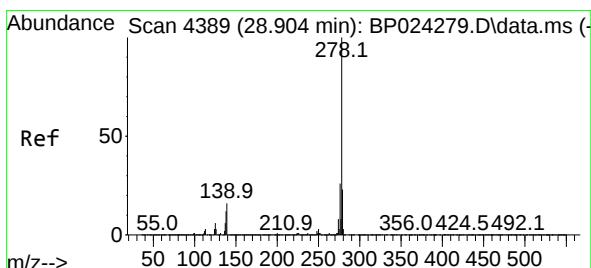
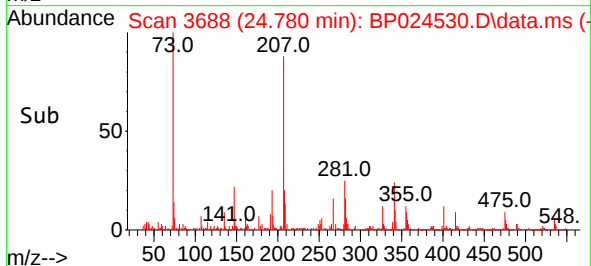
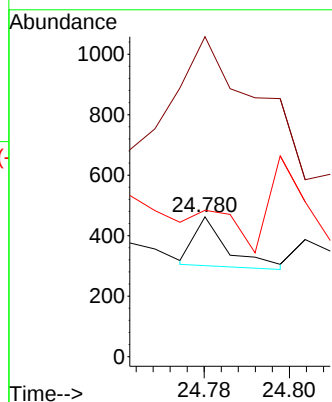
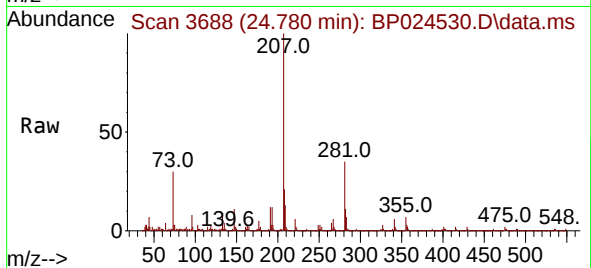
Tgt Ion:252 Resp: 86

Ion Ratio Lower Upper

252 100

253 229.0 17.6 26.4#

125 104.8 10.1 15.1#



#91

Dibenzo(a,h)anthracene

Concen: 8.273 ng

RT: 28.815 min Scan# 4374

Delta R.T. 0.012 min

Lab File: BP024530.D

Acq: 05 May 2025 18:07

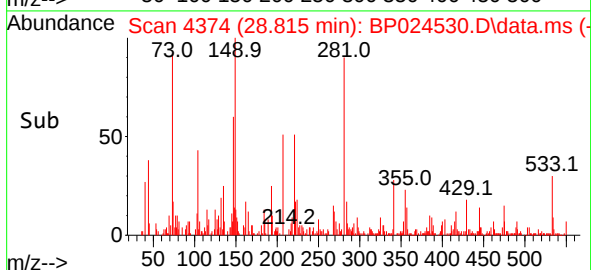
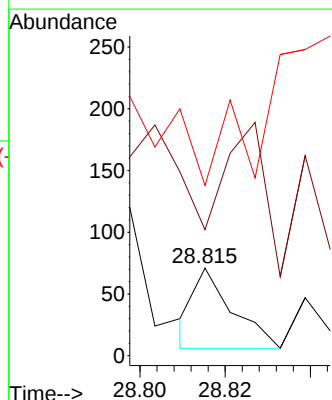
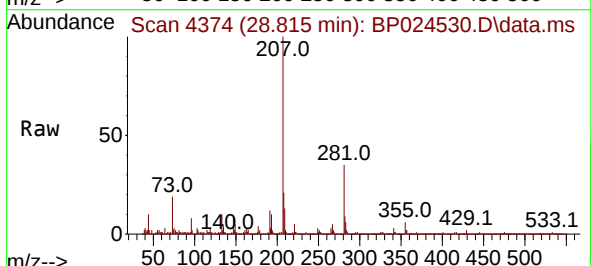
Tgt Ion:278 Resp: 41

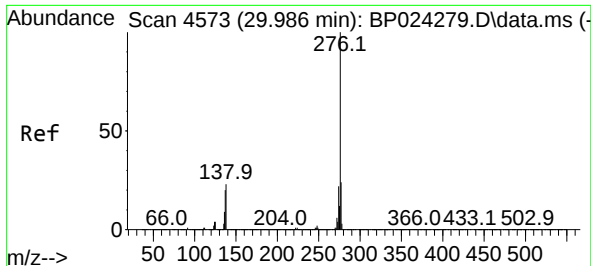
Ion Ratio Lower Upper

278 100

139 143.7 12.6 19.0#

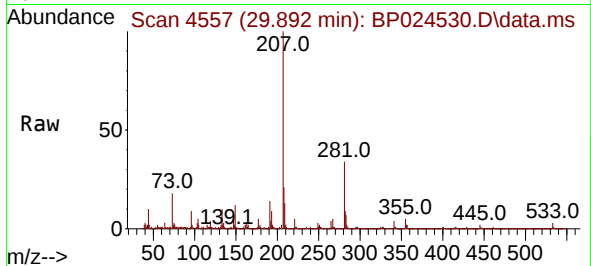
279 194.4 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 20.221 ng
RT: 29.892 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP024530.D
Acq: 05 May 2025 18:07

Instrument :
BNA_P
ClientSampleId :
CO-8R-WCRE



Tgt Ion: 276 Resp: 102
Ion Ratio Lower Upper
276 100
277 67.1 18.9 28.3#
138 191.8 18.7 28.1#

