

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025166.D
 Acq On : 16 Jul 2025 20:22
 Operator : CG/JU
 Sample : Q2592-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

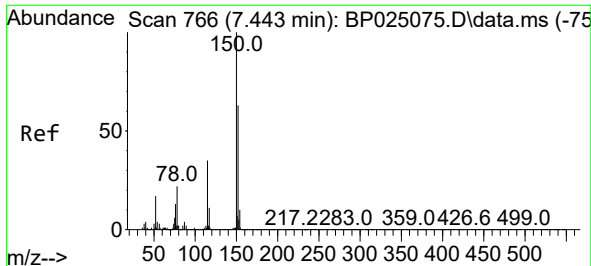
Instrument :
 BNA_P
 ClientSampleId :
 WC-SOIL-20250711

Quant Time: Jul 17 01:10:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	569178	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2223517	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1404763	20.000	ng	0.01
64) Phenanthrene-d10	16.919	188	2849474	20.000	ng	0.01
76) Chrysene-d12	21.348	240	3032748	20.000	ng	0.00
86) Perylene-d12	24.495	264	3540161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	454833	14.159	ng	0.00
7) Phenol-d6	6.643	99	599229	14.294	ng	0.01
23) Nitrobenzene-d5	8.572	82	356018	10.648	ng	0.00
42) 2,4,6-Tribromophenol	15.625	330	322413	19.428	ng	0.00
45) 2-Fluorobiphenyl	12.689	172	1004357	11.076	ng	0.00
79) Terphenyl-d14	19.683	244	1605339	11.634	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.343	139	466	3.328	ng	# 1
32) Benzoic acid	9.460	122	7225	6.474	ng	84
48) 2-Nitroaniline	13.137	65	311	2.780	ng	# 57
54) 2,4-Dinitrophenol	14.219	184	201	5.405	ng	# 1
57) 2,4-Dinitrotoluene	14.489	165	840	2.665	ng	# 85
65) 4,6-Dinitro-2-methylph...	15.248	198	168	5.590	ng	# 1
75) Fluoranthene	19.066	202	627897	3.528	ng	98
78) Pyrene	19.436	202	594146	3.163	ng	# 95
80) Butylbenzylphthalate	20.430	149	21902	3.961	ng	# 83
81) Benzo(a)anthracene	21.330	228	415157	2.259	ng	91
83) Chrysene	21.330	228	415157	2.347	ng	94
84) Bis(2-ethylhexyl)phtha...	21.324	149	891651	9.045	ng	# 98
85) Di-n-octyl phthalate	22.548	149	66570	6.420	ng	# 78
87) Indeno(1,2,3-cd)pyrene	28.030	276	491763	2.180	ng	# 93
88) Benzo(b)fluoranthene	23.512	252	772310	3.748	ng	# 89
89) Benzo(k)fluoranthene	23.512	252	772310	3.767	ng	# 89
90) Benzo(a)pyrene	24.348	252	504238	2.875	ng	# 82
92) Benzo(g,h,i)perylene	29.100	276	571607	2.968	ng	94

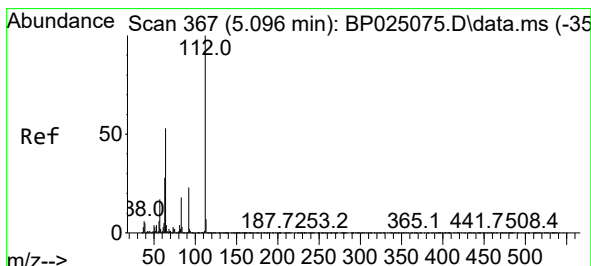
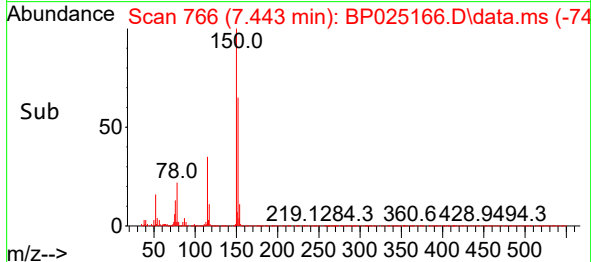
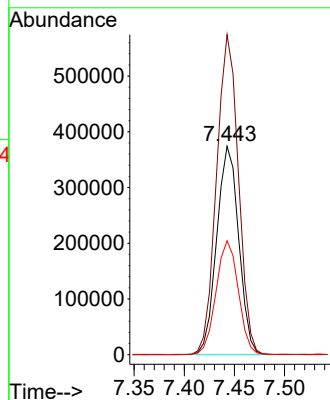
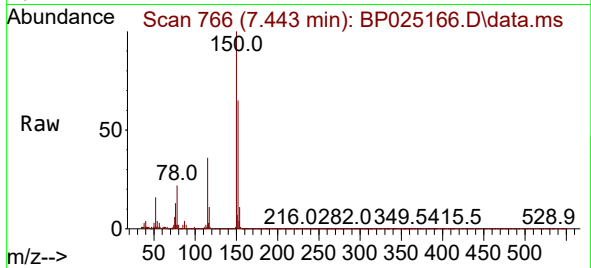
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 766
Delta R.T. -0.000 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

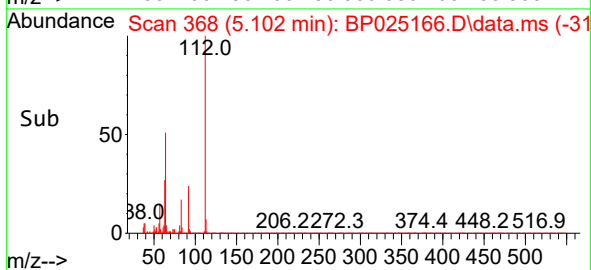
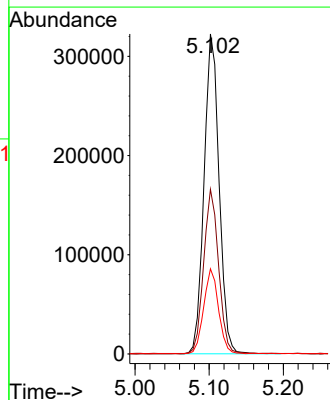
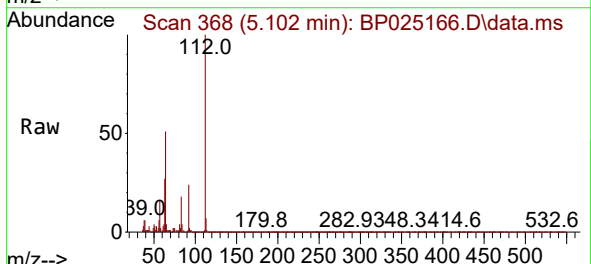
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

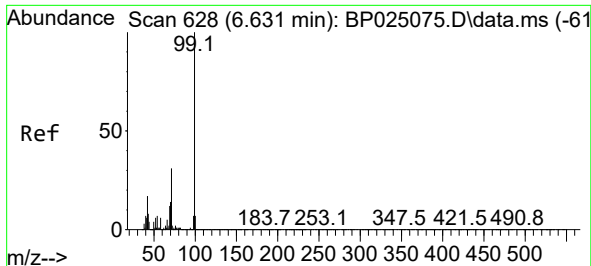
Tgt Ion:152 Resp: 569178
Ion Ratio Lower Upper
152 100
150 153.6 126.1 189.1
115 54.7 44.3 66.5



#5
2-Fluorophenol
Concen: 14.159 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion:112 Resp: 454833
Ion Ratio Lower Upper
112 100
64 51.5 42.0 63.0
63 26.6 22.2 33.2

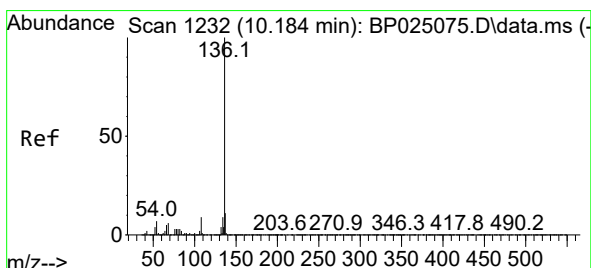
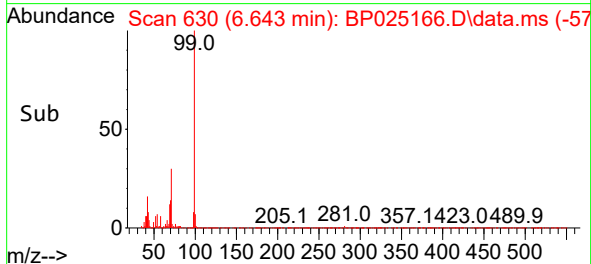
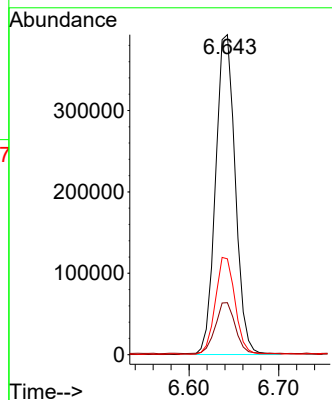
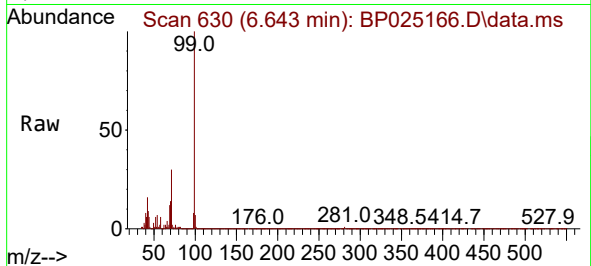




#7
Phenol-d6
Concen: 14.294 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

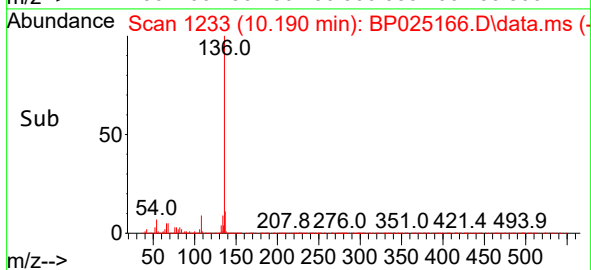
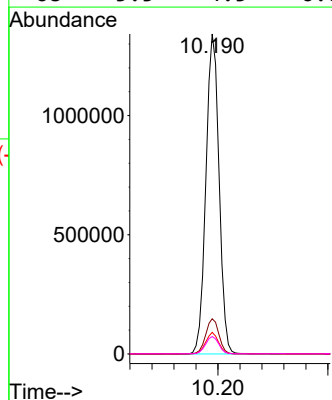
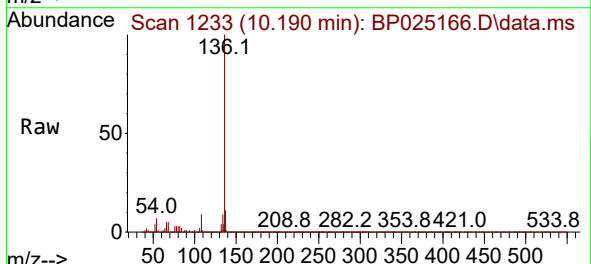
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

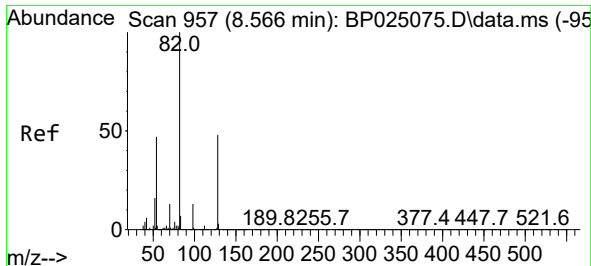
Tgt Ion: 99 Resp: 599229
Ion Ratio Lower Upper
99 100
42 16.3 13.6 20.4
71 30.0 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion: 136 Resp: 2223517
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.7 5.4 8.2
68 5.5 4.5 6.7

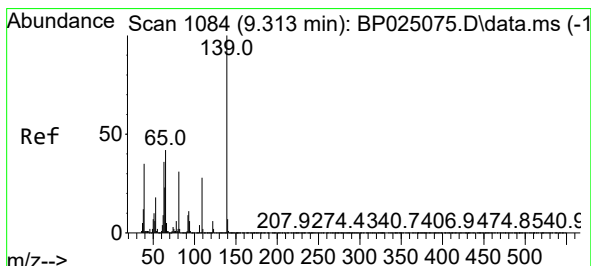
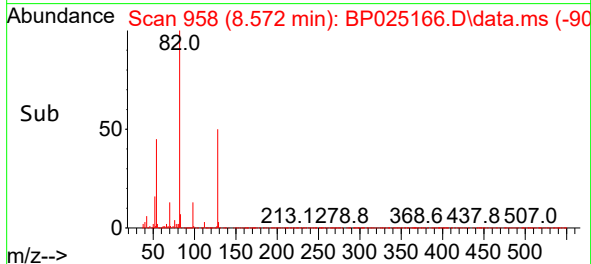
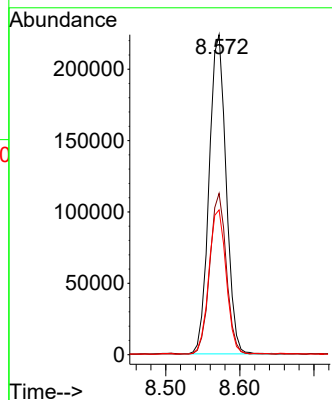
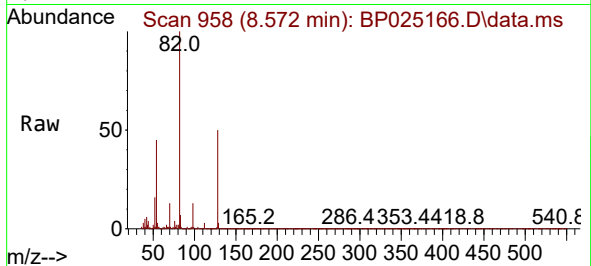




#23
Nitrobenzene-d5
Concen: 10.648 ng
RT: 8.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

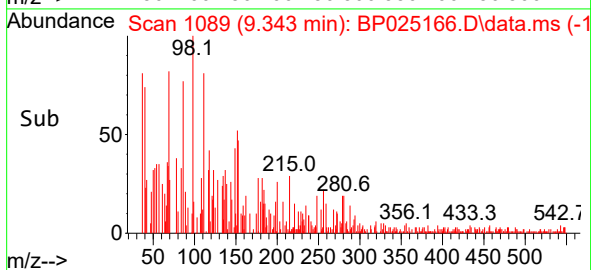
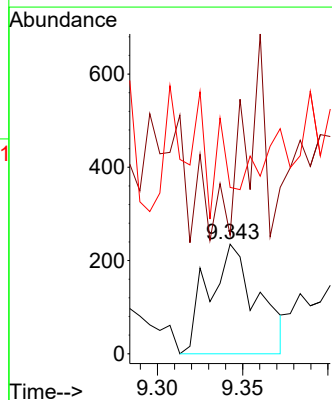
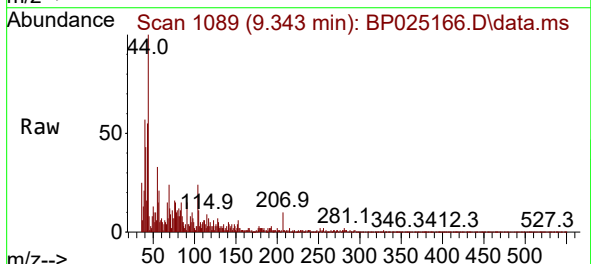
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

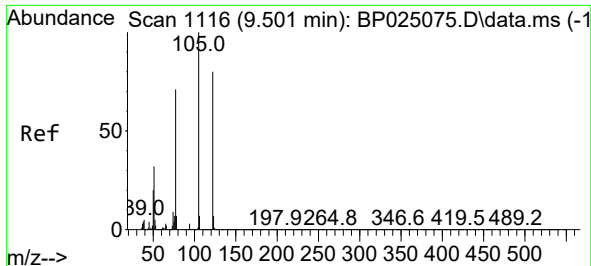
Tgt Ion: 82 Resp: 356018
Ion Ratio Lower Upper
82 100
128 50.4 38.4 57.6
54 45.2 37.8 56.6



#26
2-Nitrophenol
Concen: 3.328 ng
RT: 9.343 min Scan# 1089
Delta R.T. 0.030 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion:139 Resp: 466
Ion Ratio Lower Upper
139 100
109 108.1 22.3 33.5#
65 151.9 33.8 50.8#

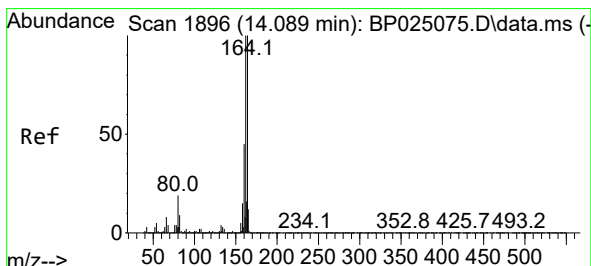
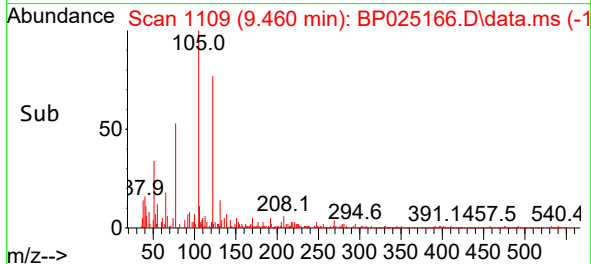
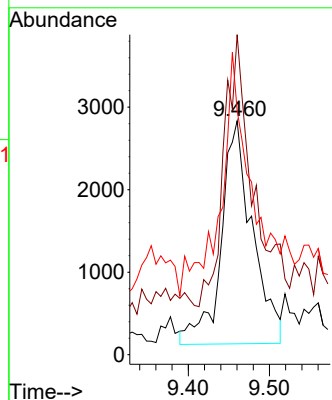
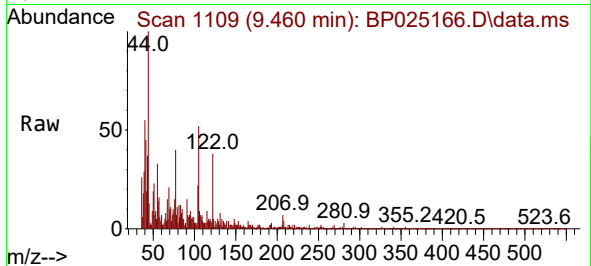




#32
Benzoic acid
Concen: 6.474 ng
RT: 9.460 min Scan# 1116
Delta R.T. -0.041 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

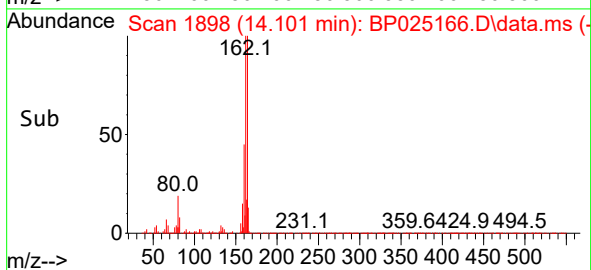
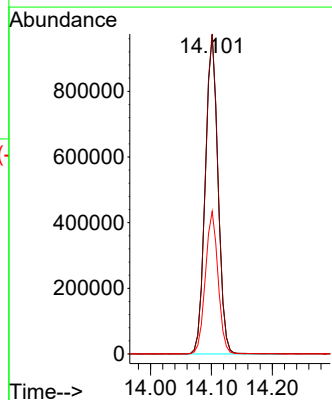
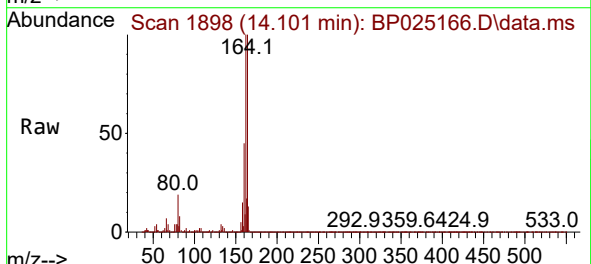
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

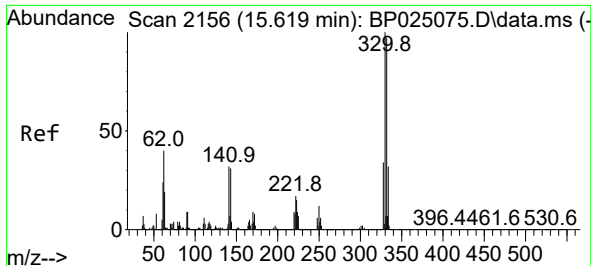
Tgt Ion:122 Resp: 7225
Ion Ratio Lower Upper
122 100
105 136.8 101.0 141.0
77 104.3 67.6 107.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.101 min Scan# 1898
Delta R.T. 0.012 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion:164 Resp: 1404763
Ion Ratio Lower Upper
164 100
162 100.2 80.3 120.5
160 44.7 35.9 53.9

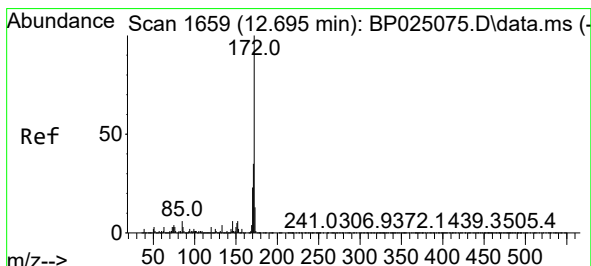
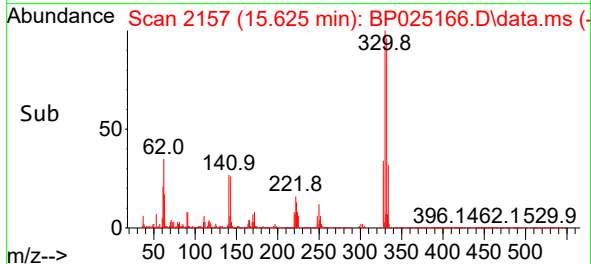
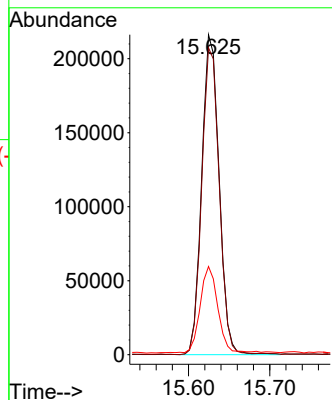
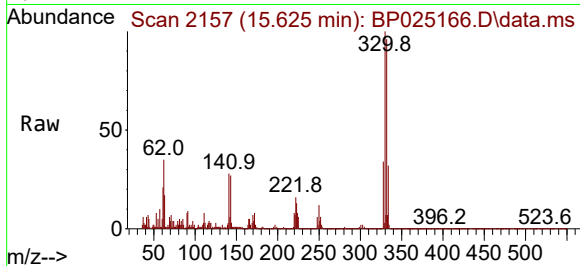




#42
2,4,6-Tribromophenol
Concen: 19.428 ng
RT: 15.625 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

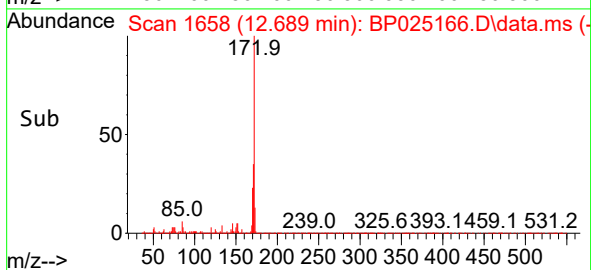
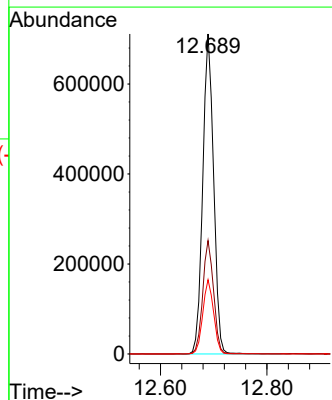
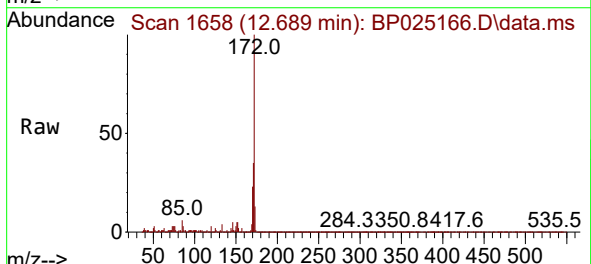
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

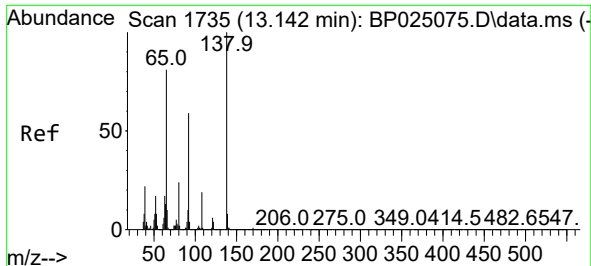
Tgt Ion: 330 Resp: 322413
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 27.6 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 11.076 ng
RT: 12.689 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion: 172 Resp: 1004357
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.2 18.7 28.1

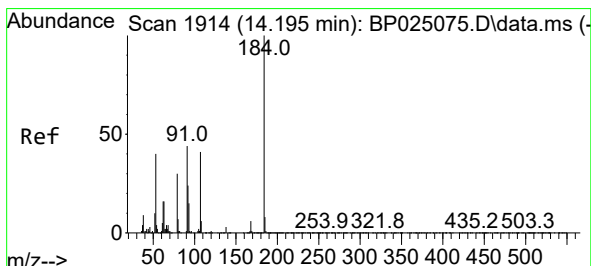
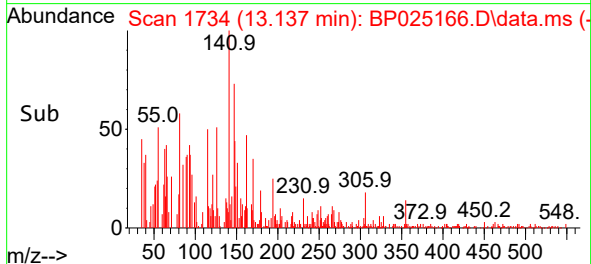
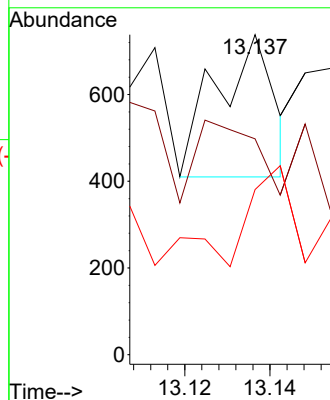
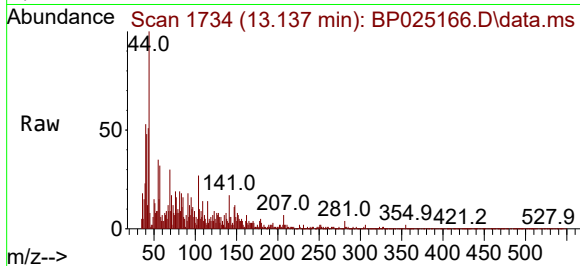




#48
2-Nitroaniline
Concen: 2.780 ng
RT: 13.137 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

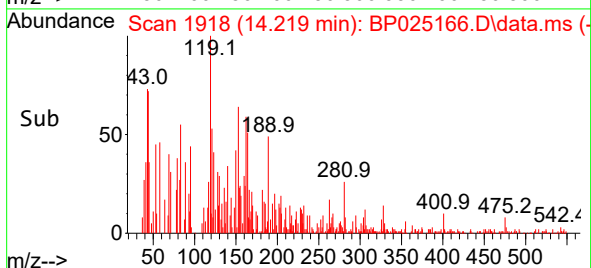
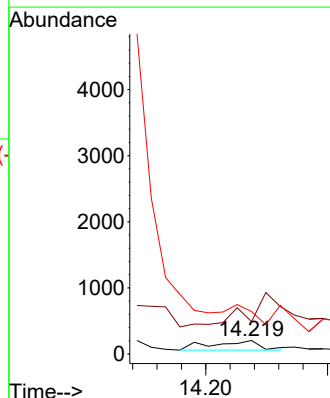
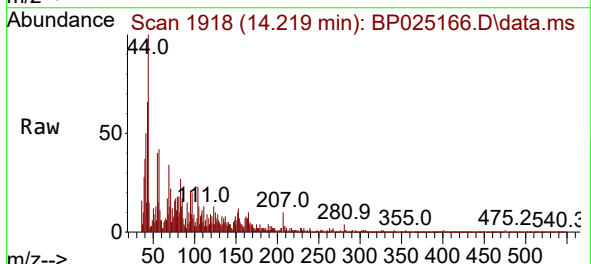
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

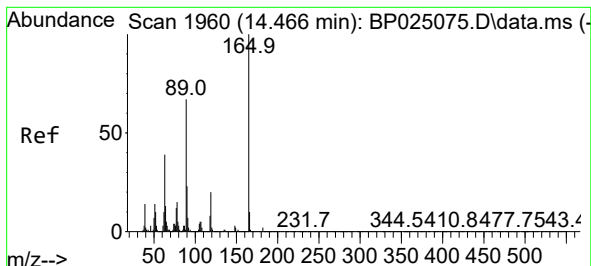
Tgt Ion: 65 Resp: 311
Ion Ratio Lower Upper
65 100
92 67.5 58.7 88.1
138 51.6 99.0 148.4#



#54
2,4-Dinitrophenol
Concen: 5.405 ng
RT: 14.219 min Scan# 1918
Delta R.T. 0.024 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion: 184 Resp: 201
Ion Ratio Lower Upper
184 100
63 241.4 47.4 71.0#
154 315.8 47.8 71.8#





#57

2,4-Dinitrotoluene

Concen: 2.665 ng

RT: 14.489 min Scan# 1964

Delta R.T. 0.023 min

Lab File: BP025166.D

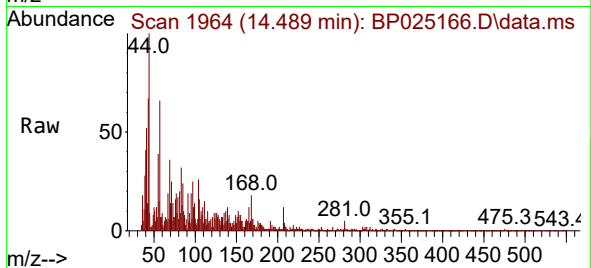
Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711



Tgt Ion:165 Resp: 840

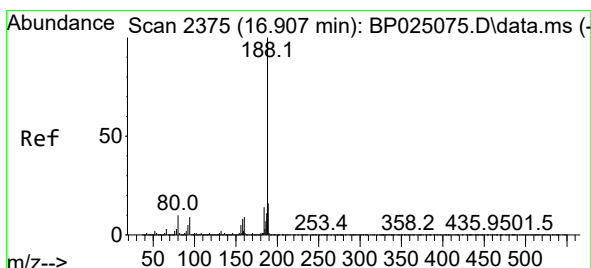
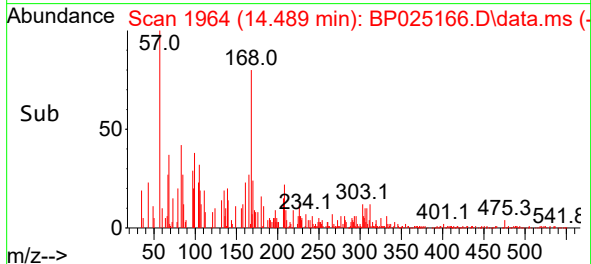
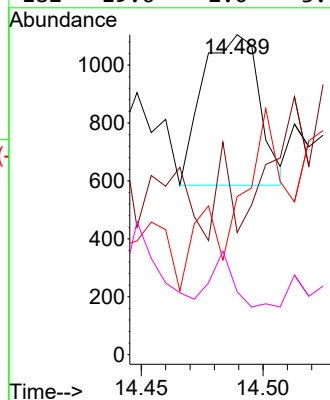
Ion Ratio Lower Upper

165 100

63 38.2 31.0 46.4

89 49.4 53.4 80.0#

182 19.6 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 2377

Delta R.T. 0.012 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

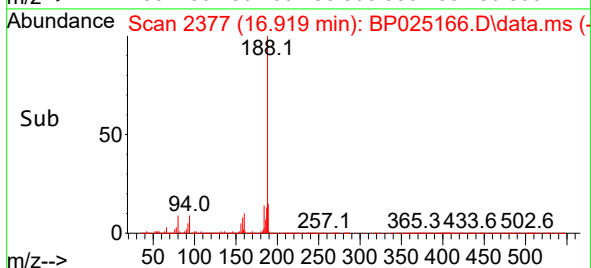
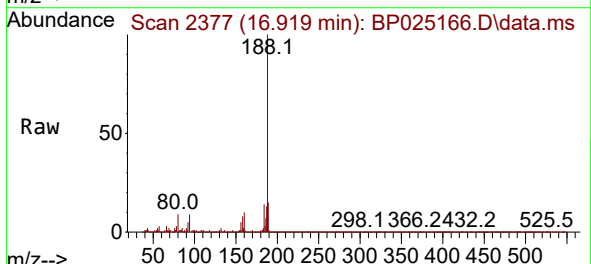
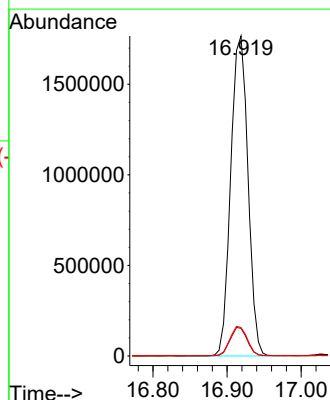
Tgt Ion:188 Resp: 2849474

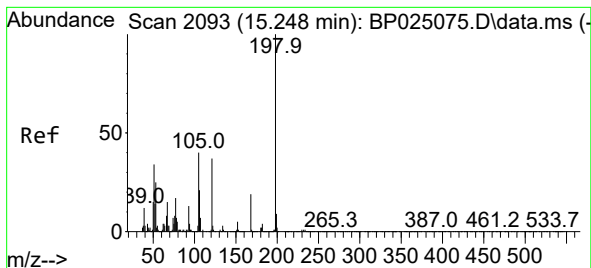
Ion Ratio Lower Upper

188 100

94 8.7 7.3 10.9

80 8.9 7.8 11.6

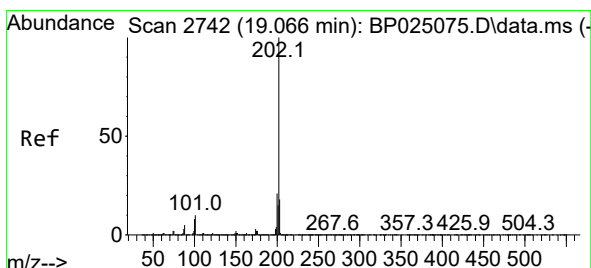
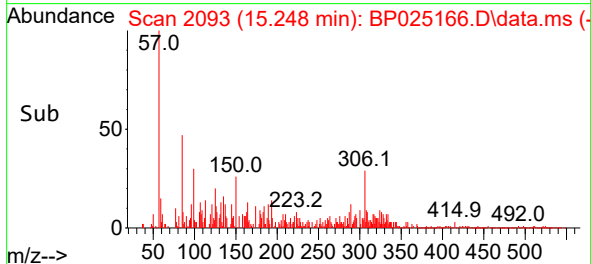
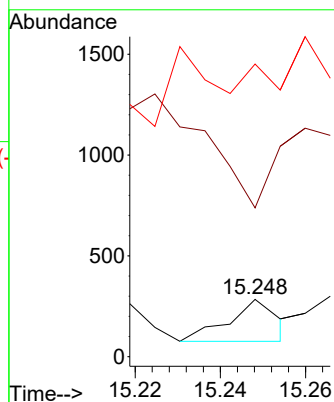
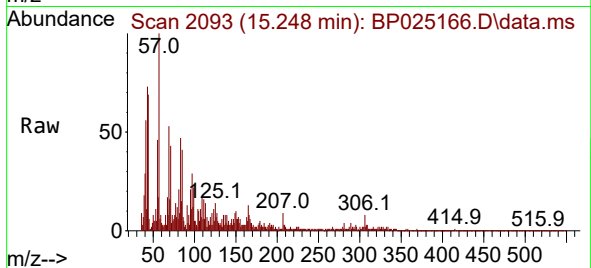




#65
4,6-Dinitro-2-methylphenol
Concen: 5.590 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

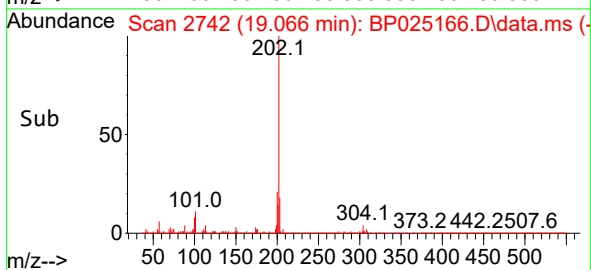
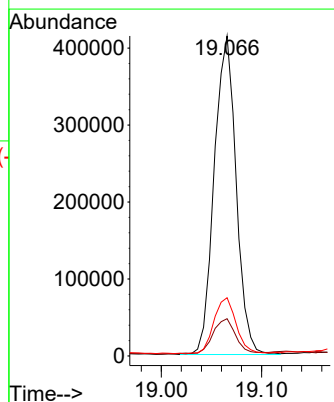
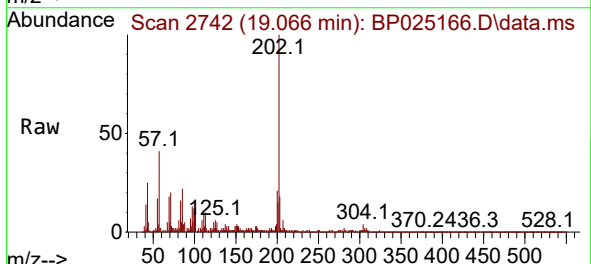
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

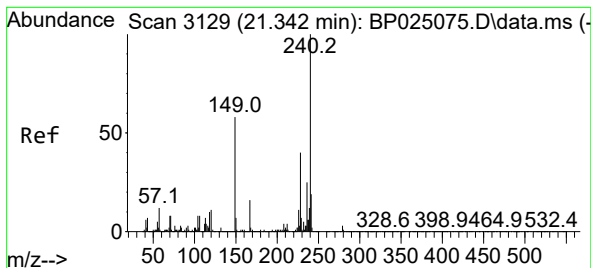
Tgt Ion:198 Resp: 168
Ion Ratio Lower Upper
198 100
51 259.9 16.8 56.8#
105 510.9 20.8 60.8#



#75
Fluoranthene
Concen: 3.528 ng
RT: 19.066 min Scan# 2742
Delta R.T. -0.000 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion:202 Resp: 627897
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.4
203 18.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.348 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711

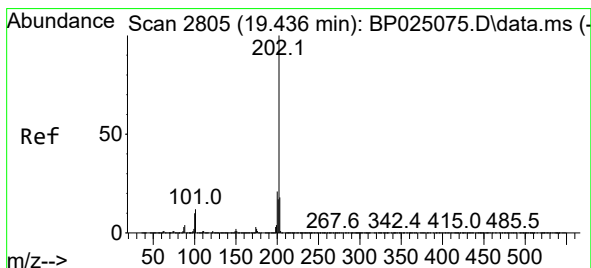
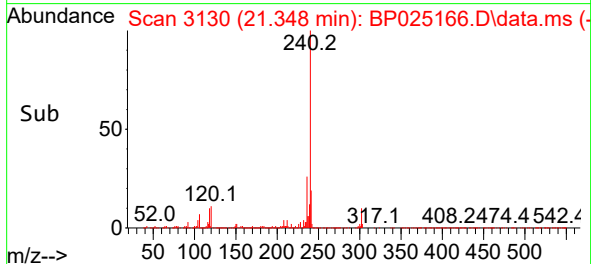
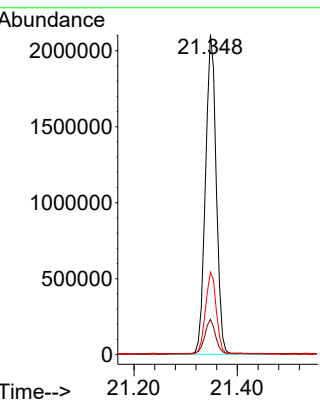
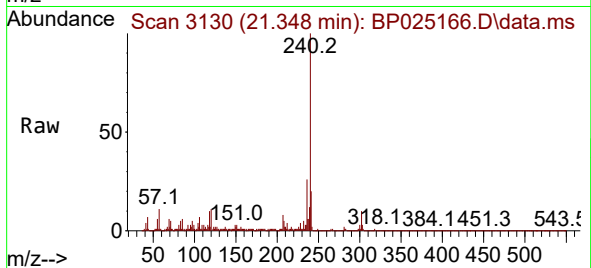
Tgt Ion:240 Resp: 3032748

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 25.8 20.3 30.5



#78

Pyrene

Concen: 3.163 ng

RT: 19.436 min Scan# 2805

Delta R.T. -0.000 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

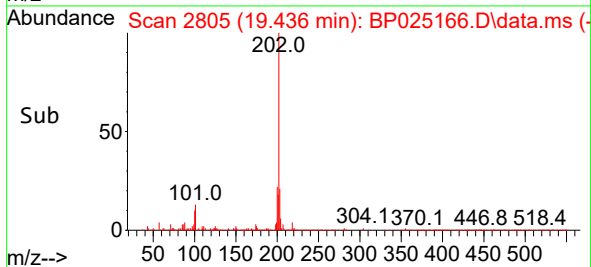
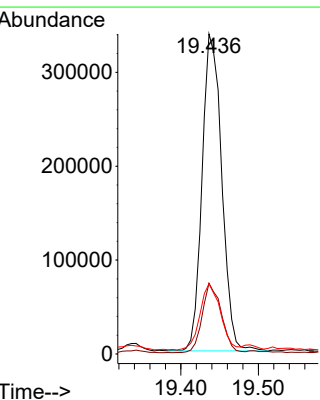
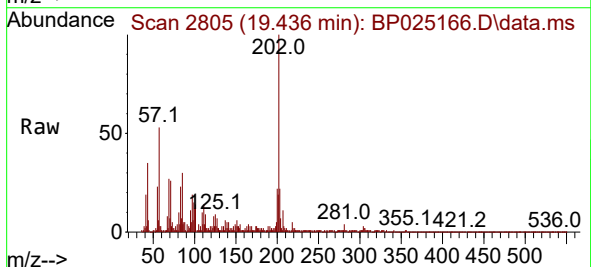
Tgt Ion:202 Resp: 594146

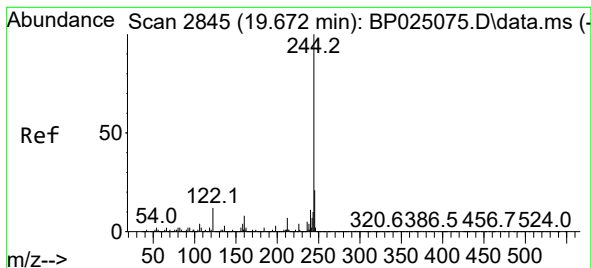
Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 21.9 14.1 21.1#





#79

Terphenyl-d14

Concen: 11.634 ng

RT: 19.683 min Scan# 2847

Delta R.T. 0.012 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711

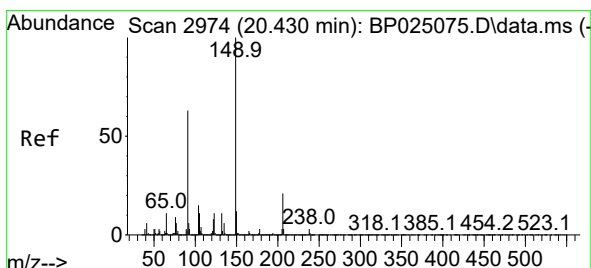
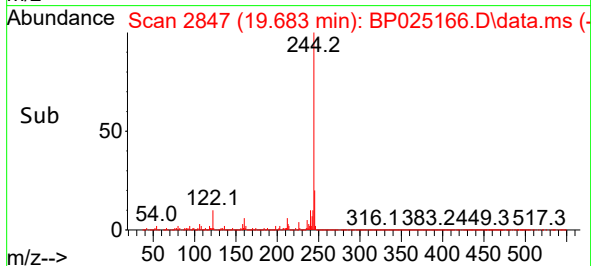
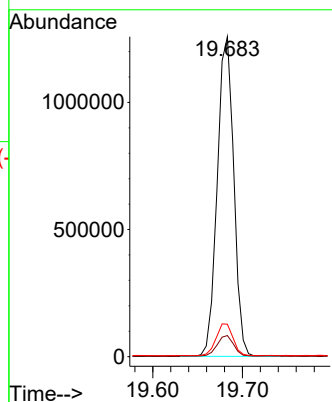
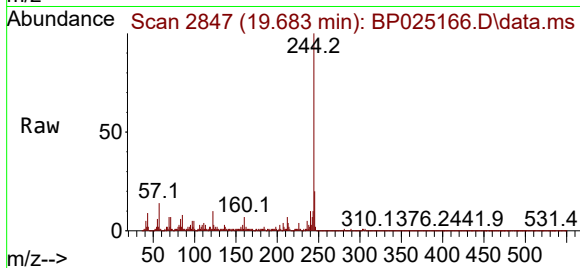
Tgt Ion:244 Resp: 1605339

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 10.1 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.961 ng

RT: 20.430 min Scan# 2974

Delta R.T. 0.000 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

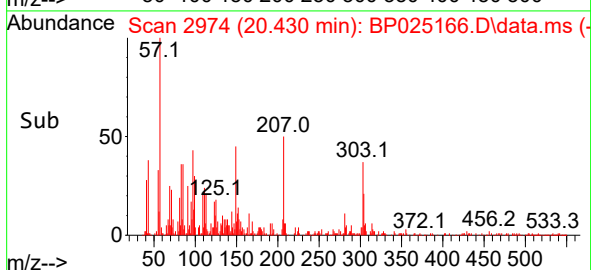
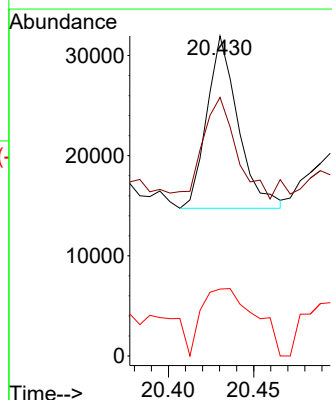
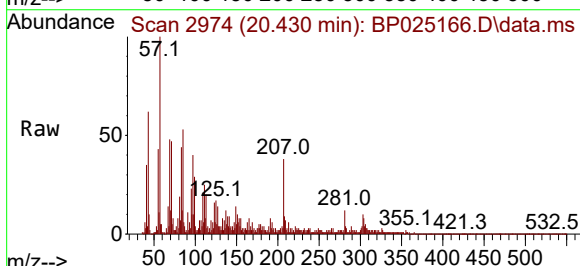
Tgt Ion:149 Resp: 21902

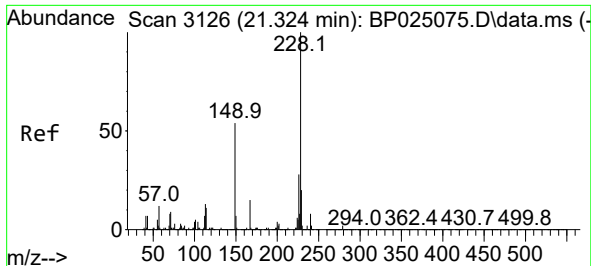
Ion Ratio Lower Upper

149 100

91 80.8 50.6 76.0#

206 20.9 17.2 25.8

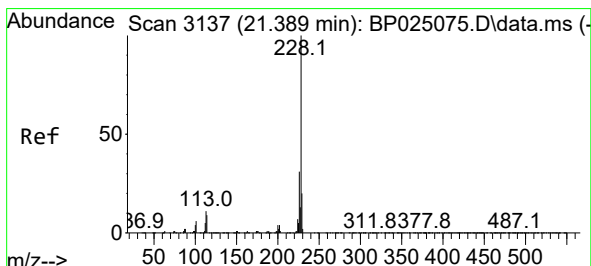
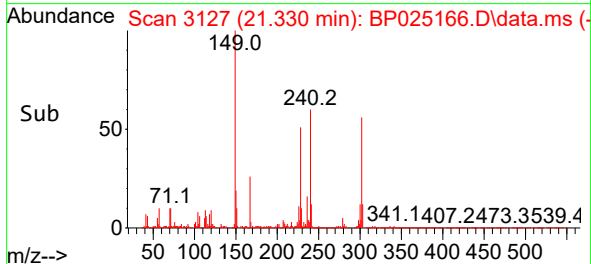
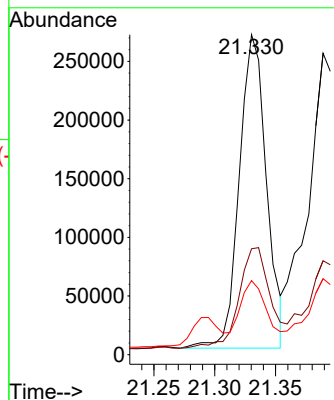
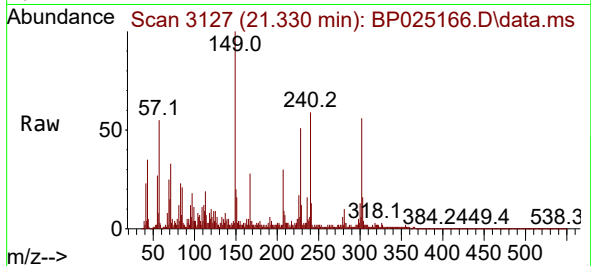




#81
Benzo(a)anthracene
Concen: 2.259 ng
RT: 21.330 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

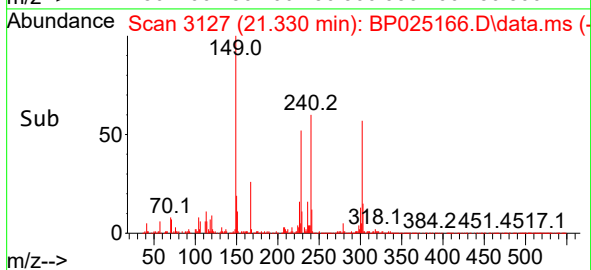
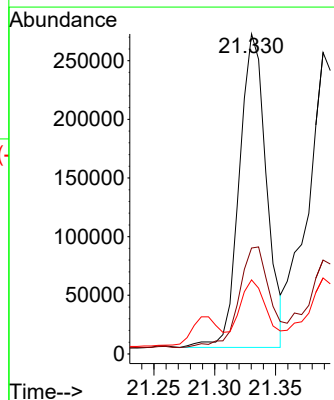
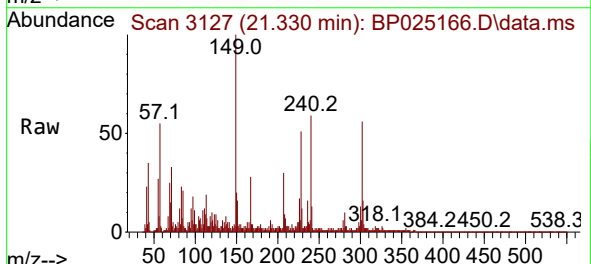
Instrument :
BNA_P
ClientSampleId :
WC-SOIL-20250711

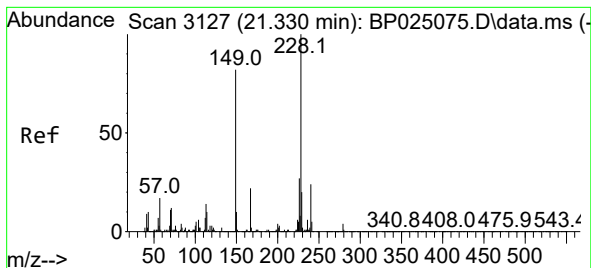
Tgt Ion:228 Resp: 415157
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1
229 23.1 16.0 24.0



#83
Chrysene
Concen: 2.347 ng
RT: 21.330 min Scan# 3127
Delta R.T. -0.059 min
Lab File: BP025166.D
Acq: 16 Jul 2025 20:22

Tgt Ion:228 Resp: 415157
Ion Ratio Lower Upper
228 100
226 33.1 24.4 36.6
229 23.1 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.045 ng

RT: 21.324 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711

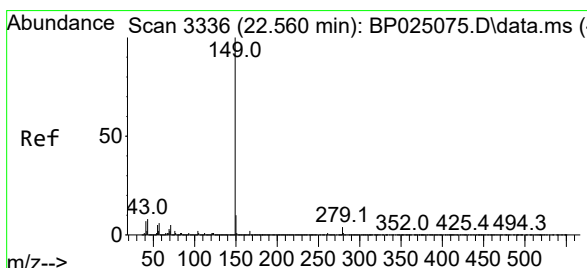
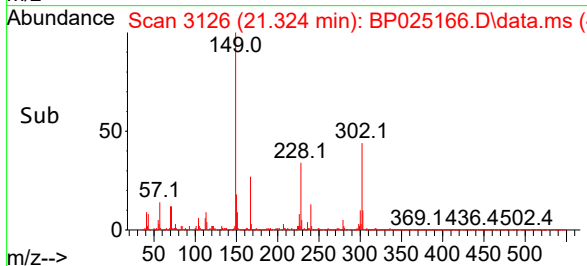
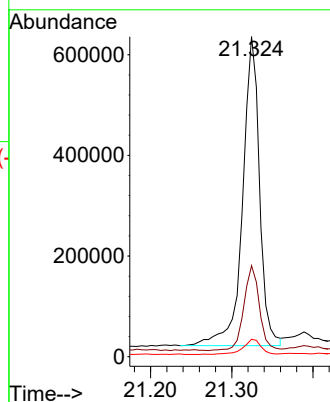
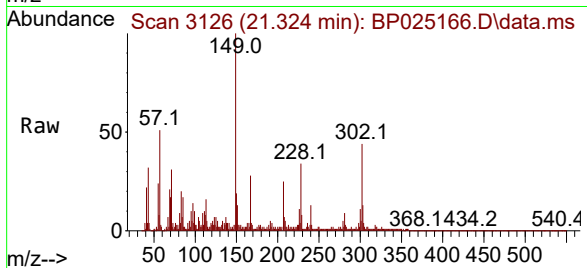
Tgt Ion:149 Resp: 891651

Ion Ratio Lower Upper

149 100

167 28.5 21.9 32.9

279 5.4 3.5 5.3#



#85

Di-n-octyl phthalate

Concen: 6.420 ng

RT: 22.548 min Scan# 3334

Delta R.T. -0.012 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

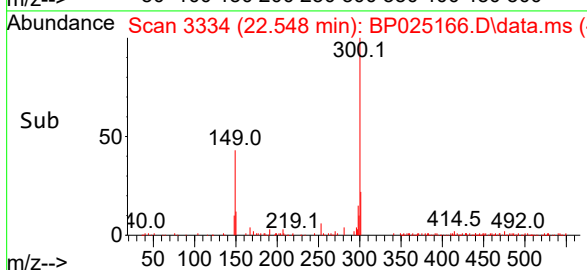
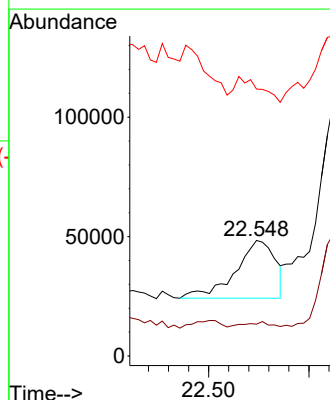
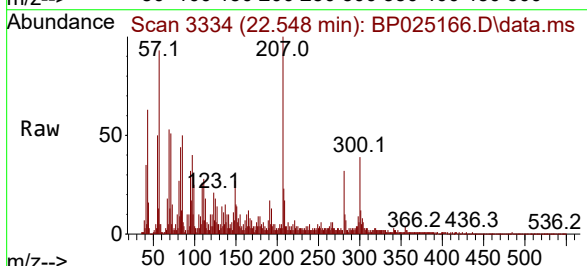
Tgt Ion:149 Resp: 66570

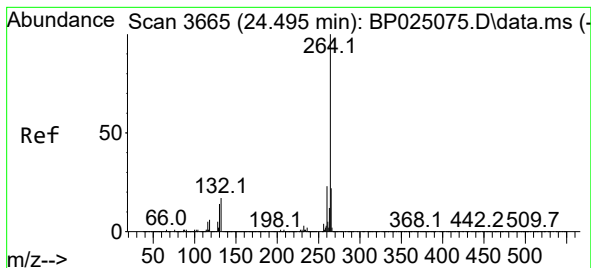
Ion Ratio Lower Upper

149 100

167 5.1 1.3 1.9#

43 0.0 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.495 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711

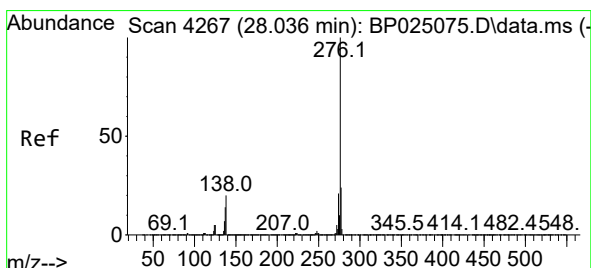
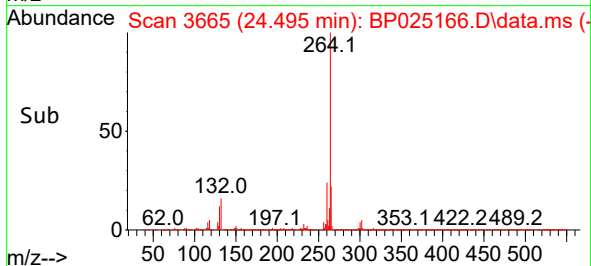
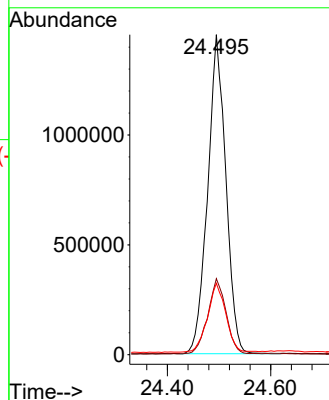
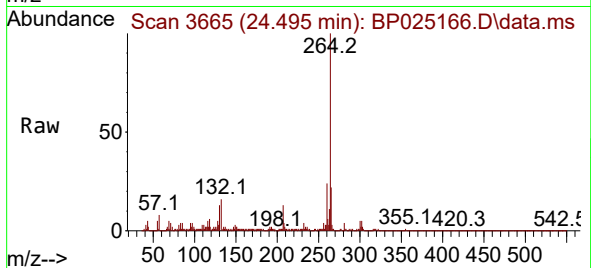
Tgt Ion:264 Resp: 3540161

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.3 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.180 ng

RT: 28.030 min Scan# 4266

Delta R.T. -0.006 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

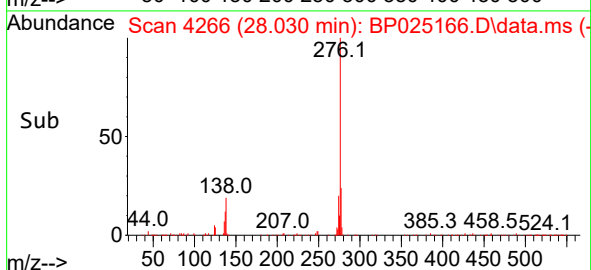
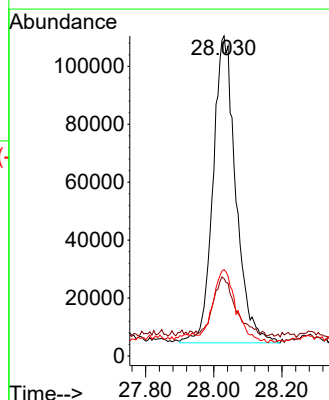
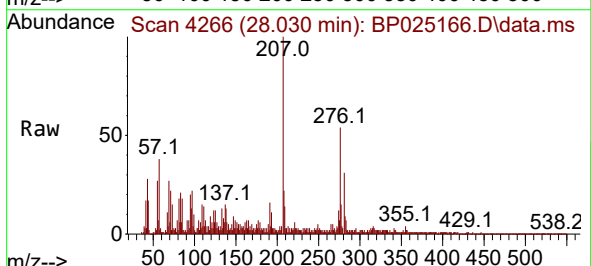
Tgt Ion:276 Resp: 491763

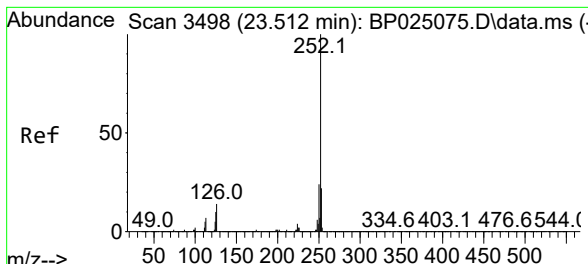
Ion Ratio Lower Upper

276 100

138 17.5 13.0 19.6

277 24.4 15.9 23.9#



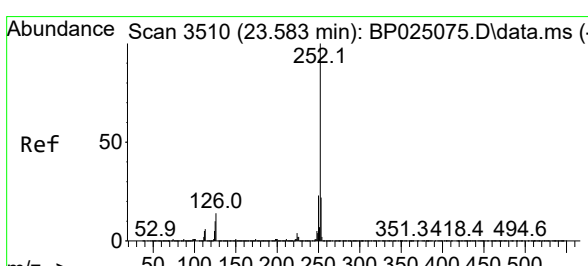
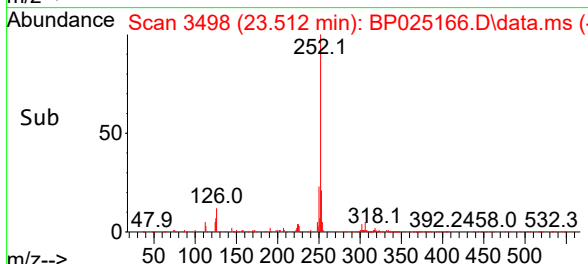
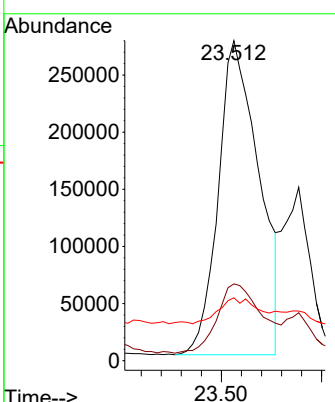
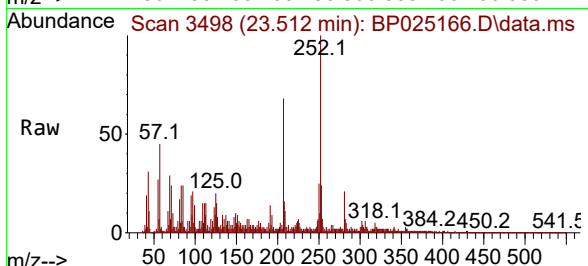


#88
 Benzo(b)fluoranthene
 Concen: 3.748 ng
 RT: 23.512 min Scan# 3498
 Delta R.T. -0.000 min
 Lab File: BP025166.D
 Acq: 16 Jul 2025 20:22

Instrument : BNA_P
 ClientSampleId : WC-SOIL-20250711

Tgt Ion:252 Resp: 772310

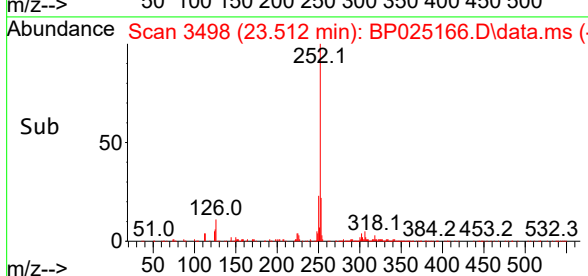
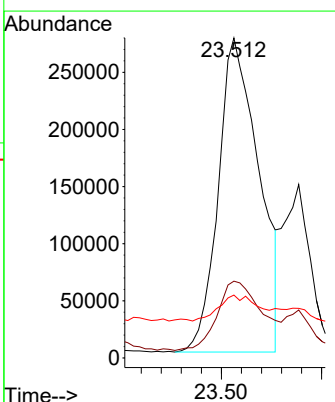
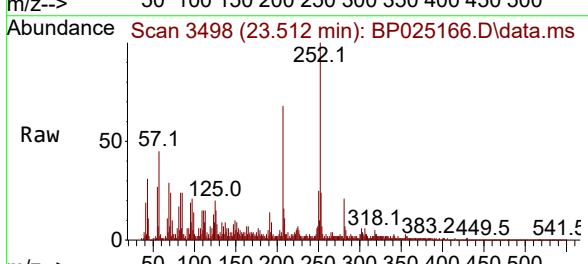
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	19.7	8.1	12.1

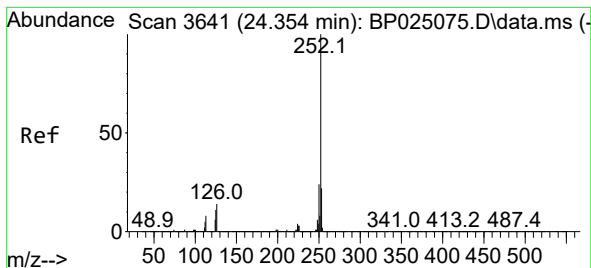


#89
 Benzo(k)fluoranthene
 Concen: 3.767 ng
 RT: 23.512 min Scan# 3498
 Delta R.T. -0.071 min
 Lab File: BP025166.D
 Acq: 16 Jul 2025 20:22

Tgt Ion:252 Resp: 772310

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	19.7	8.2	12.2





#90

Benzo(a)pyrene

Concen: 2.875 ng

RT: 24.348 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Instrument :

BNA_P

ClientSampleId :

WC-SOIL-20250711

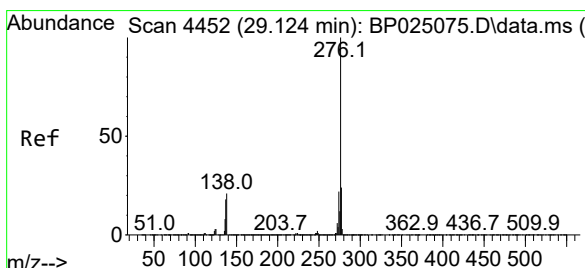
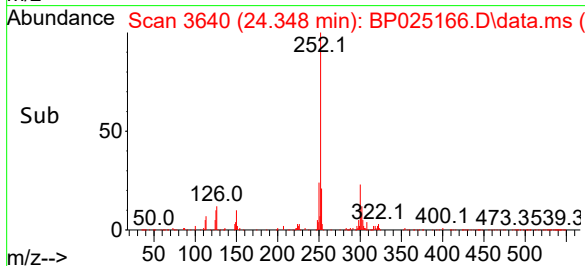
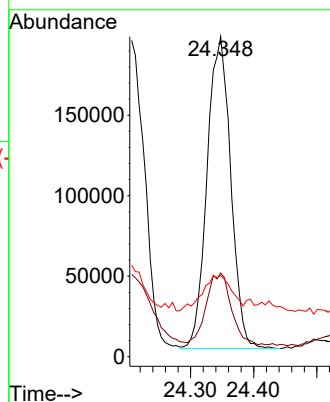
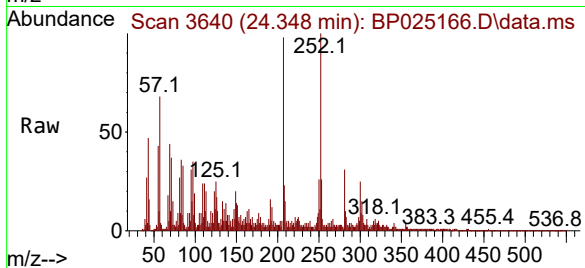
Tgt Ion:252 Resp: 504238

Ion Ratio Lower Upper

252 100

253 26.1 17.6 26.4

125 25.4 9.0 13.4#



#92

Benzo(g,h,i)perylene

Concen: 2.968 ng

RT: 29.100 min Scan# 4448

Delta R.T. -0.024 min

Lab File: BP025166.D

Acq: 16 Jul 2025 20:22

Tgt Ion:276 Resp: 571607

Ion Ratio Lower Upper

276 100

277 26.4 19.3 28.9

138 24.7 16.9 25.3

