

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025574.D
 Acq On : 25 Aug 2025 21:14
 Operator : CG/JU
 Sample : Q2941-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

Quant Time: Aug 26 01:16:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

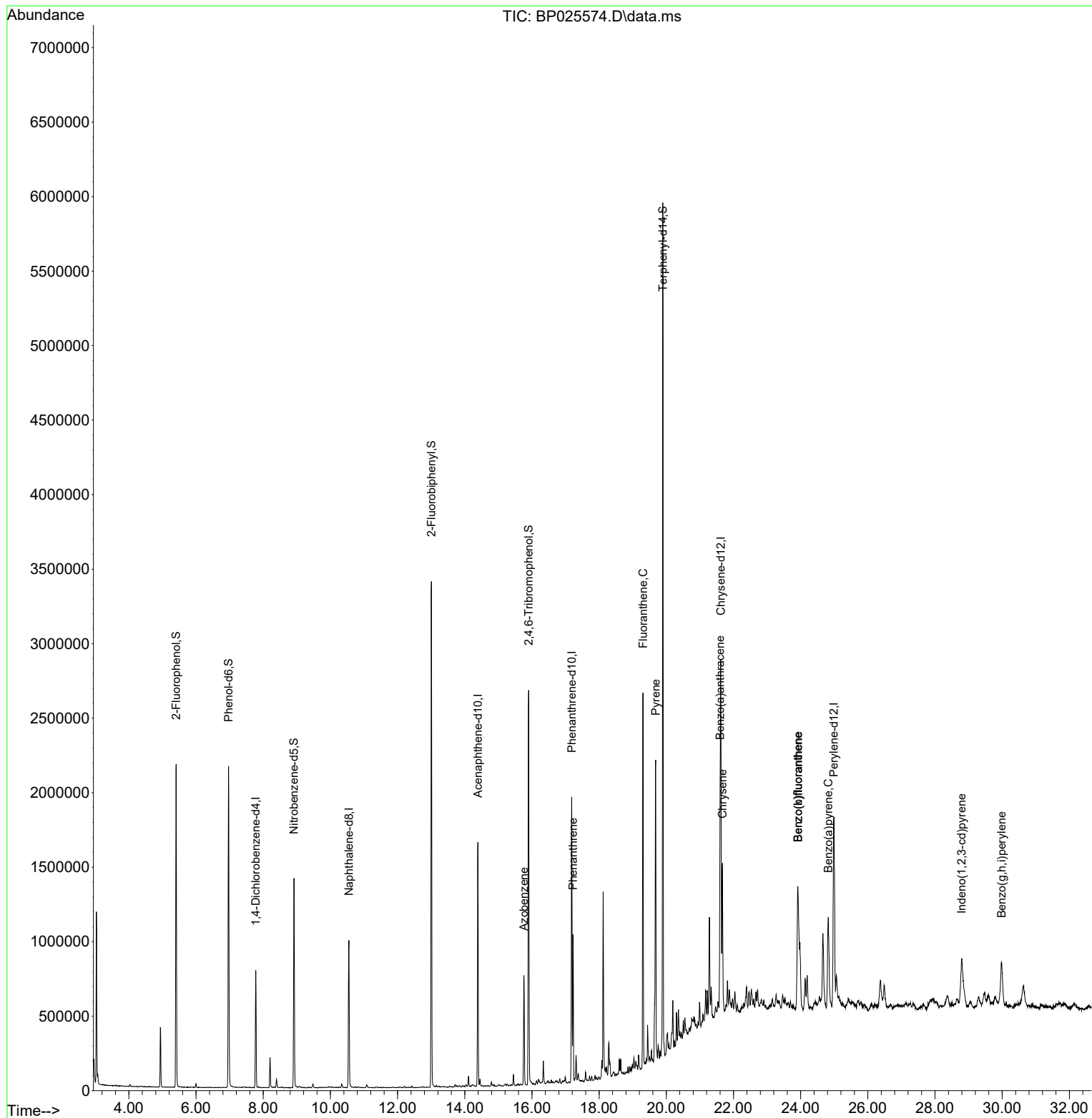
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	219577	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	879311	20.000	ng	-0.01
39) Acenaphthene-d10	14.390	164	567934	20.000	ng	-0.02
64) Phenanthrene-d10	17.184	188	1148294	20.000	ng	-0.02
76) Chrysene-d12	21.619	240	1177776	20.000	ng	-0.03
86) Perylene-d12	24.989	264	1340917	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	991874	75.017	ng	0.00
7) Phenol-d6	6.966	99	1284667	75.784	ng	0.00
23) Nitrobenzene-d5	8.913	82	804041	46.255	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	586205	76.684	ng	-0.01
45) 2-Fluorobiphenyl	13.007	172	1762983	42.425	ng	-0.01
79) Terphenyl-d14	19.895	244	2591554	40.258	ng	-0.02
Target Compounds						
						Qvalue
63) Azobenzene	15.760	77	228693	6.320	ng	# 1
71) Phenanthrene	17.225	178	552979	8.766	ng	99
75) Fluoranthene	19.307	202	1578765	20.982	ng	99
78) Pyrene	19.683	202	1361444	17.785	ng	99
81) Benzo(a)anthracene	21.601	228	772236	9.942	ng	97
83) Chrysene	21.672	228	758013	10.421	ng	97
87) Indeno(1,2,3-cd)pyrene	28.795	276	590274	6.003	ng	# 91
88) Benzo(b)fluoranthene	23.919	252	1139921	14.417	ng	97
89) Benzo(k)fluoranthene	23.919	252	1139921	14.407	ng	96
90) Benzo(a)pyrene	24.824	252	773065	10.044	ng	98
92) Benzo(g,h,i)perylene	29.983	276	558257	7.067	ng	99

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

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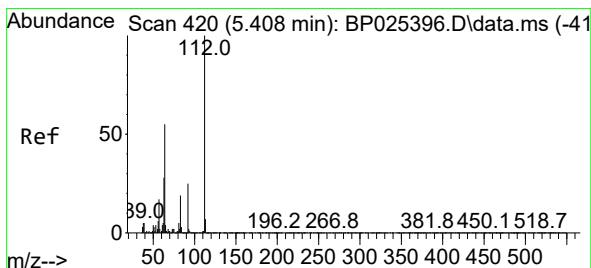
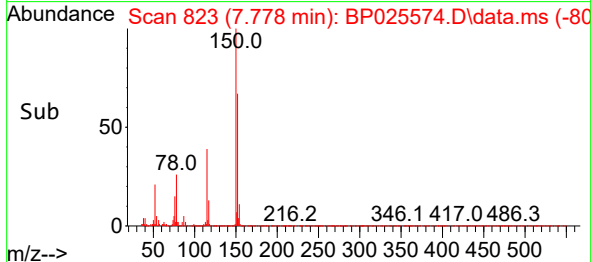
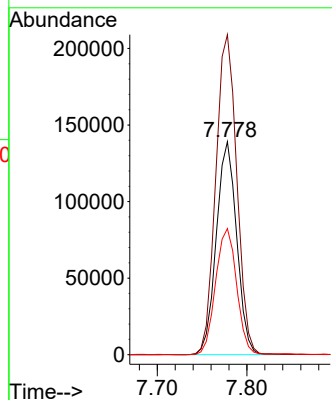
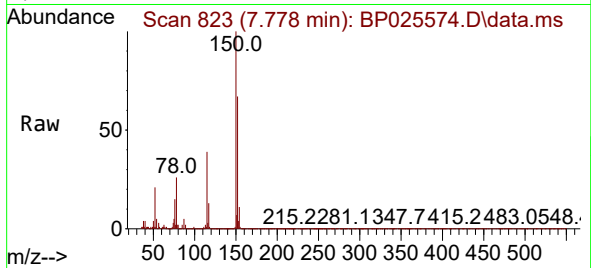




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

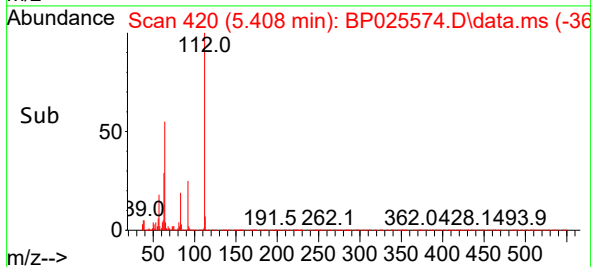
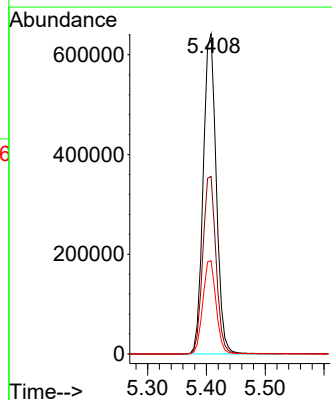
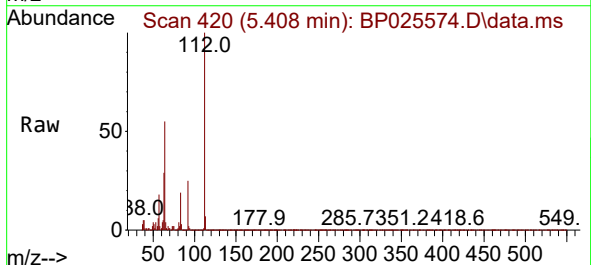
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

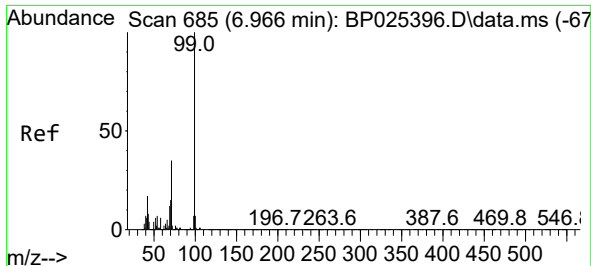
Tgt Ion:152 Resp: 219577
Ion Ratio Lower Upper
152 100
150 150.2 125.9 188.9
115 59.2 48.5 72.7



#5
2-Fluorophenol
Concen: 75.017 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

Tgt Ion:112 Resp: 991874
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.8
63 29.2 22.7 34.1

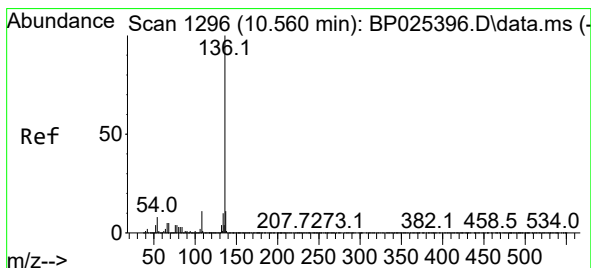
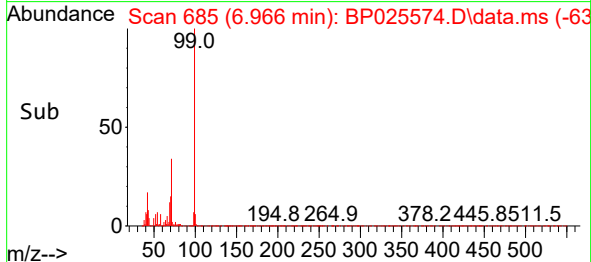
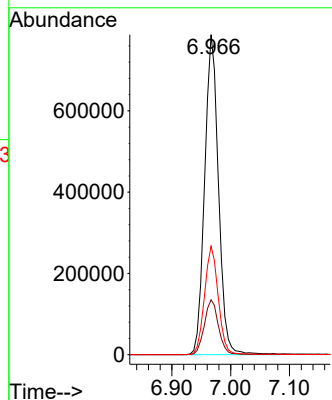
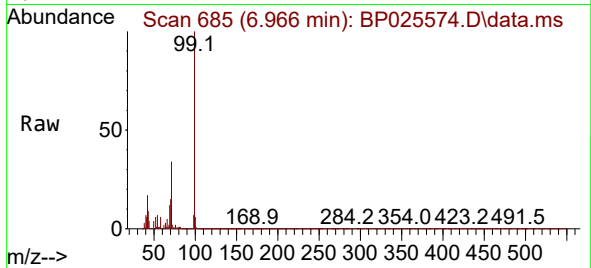




#7
Phenol-d6
Concen: 75.784 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

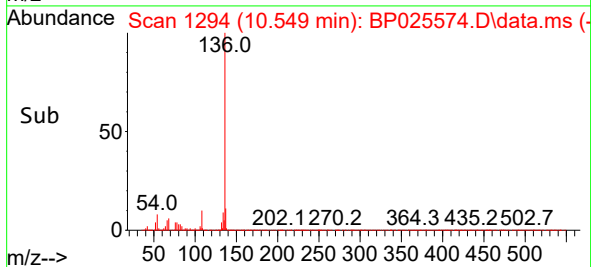
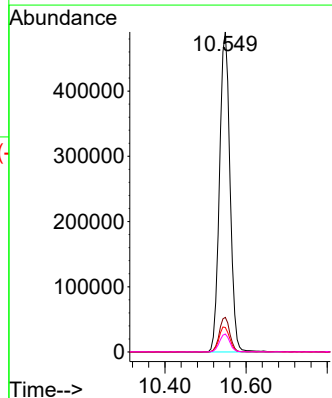
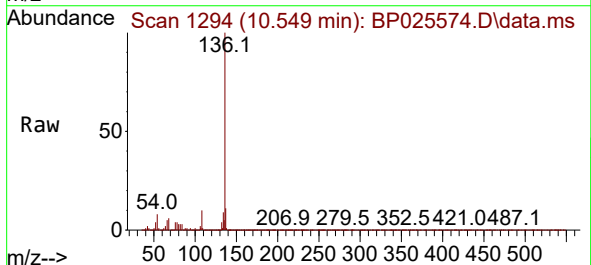
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

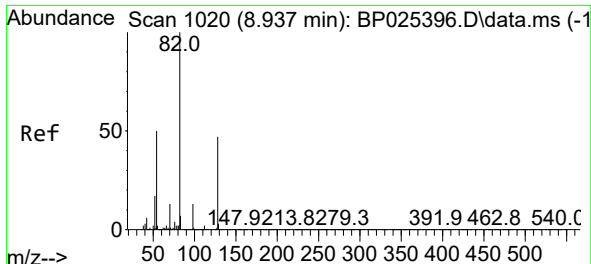
Tgt Ion: 99 Resp: 1284667
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 33.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

Tgt Ion:136 Resp: 879311
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.7 6.0 9.0
68 5.6 4.3 6.5

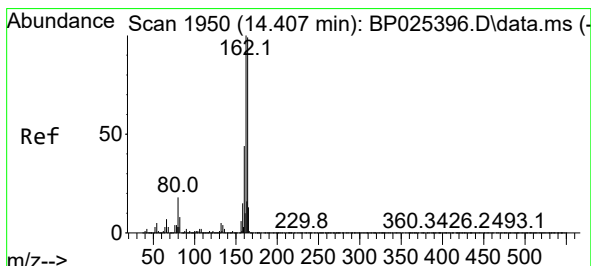
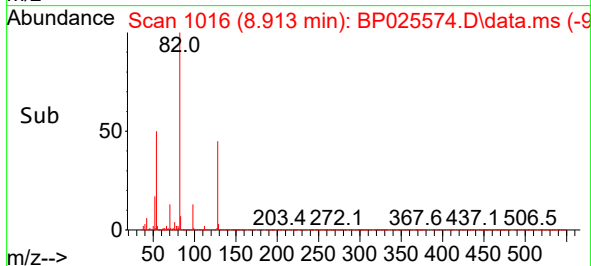
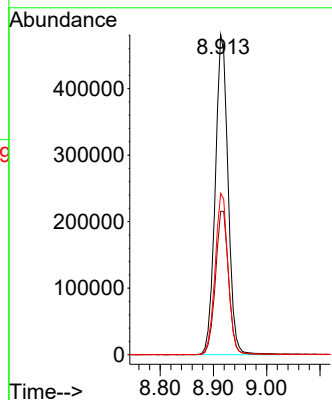
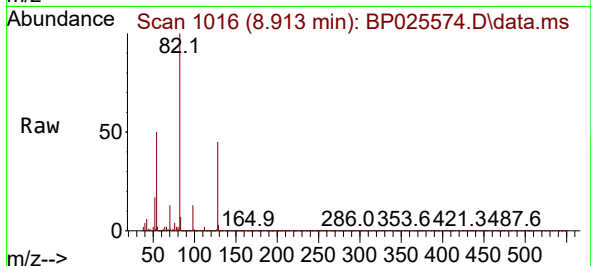




#23
Nitrobenzene-d5
Concen: 46.255 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

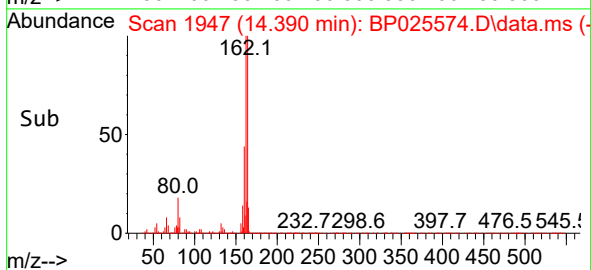
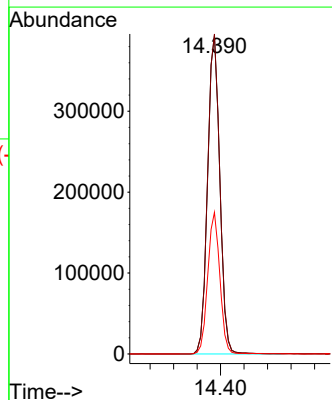
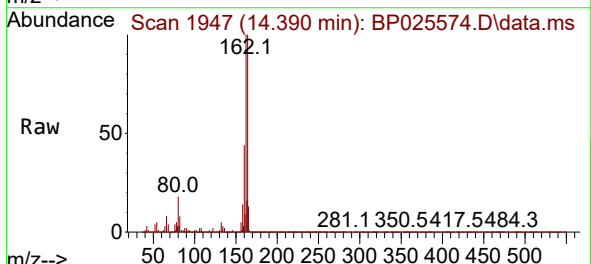
Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

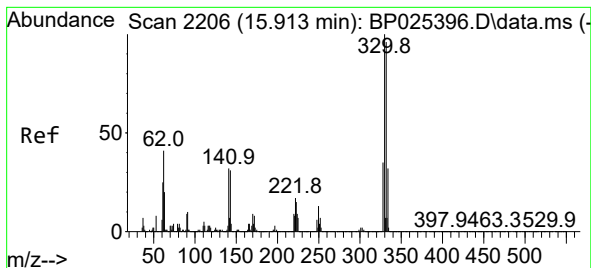
Tgt Ion: 82 Resp: 804041
Ion Ratio Lower Upper
82 100
128 44.8 37.7 56.5
54 50.4 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.017 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

Tgt Ion: 164 Resp: 567934
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 44.4 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 76.684 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

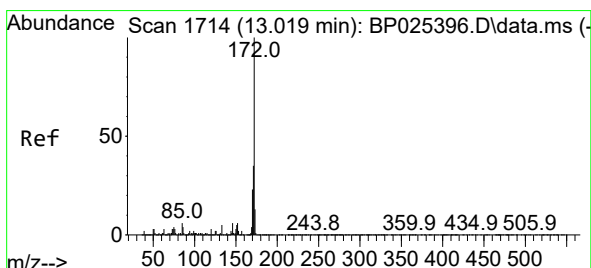
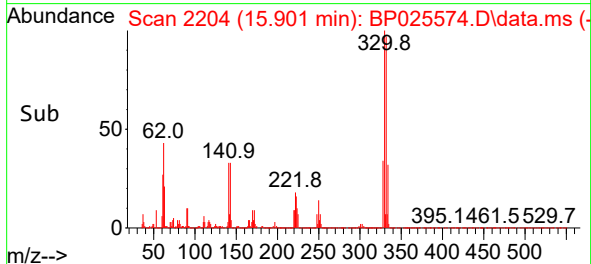
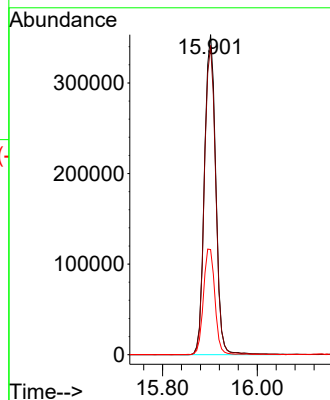
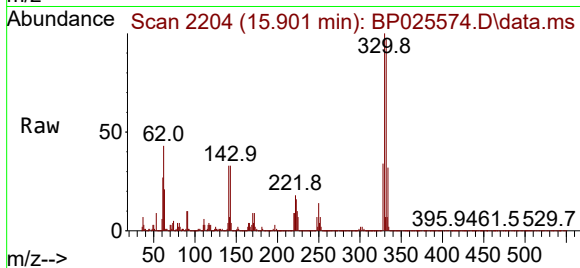
Tgt Ion:330 Resp: 586205

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 33.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 42.425 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

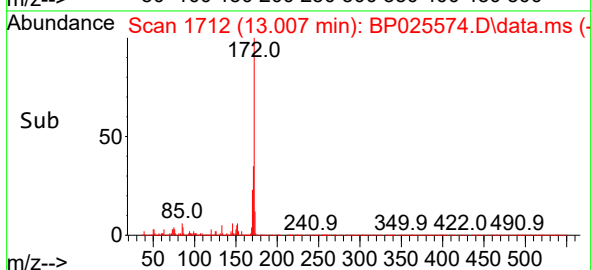
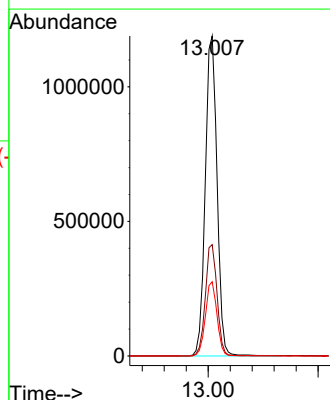
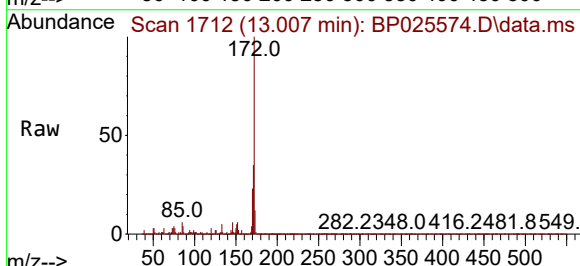
Tgt Ion:172 Resp: 1762983

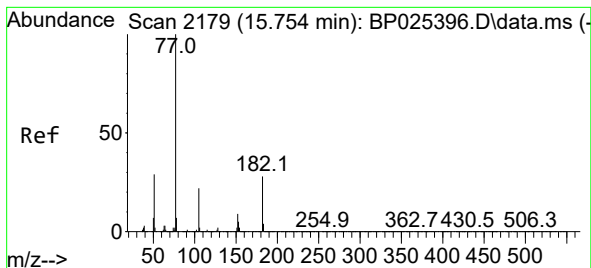
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.2 18.6 28.0





#63

Azobenzene

Concen: 6.320 ng

RT: 15.760 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

Tgt Ion: 77 Resp: 228693

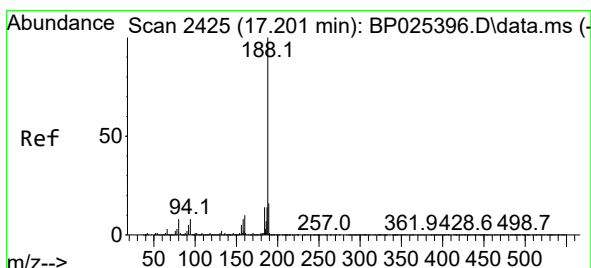
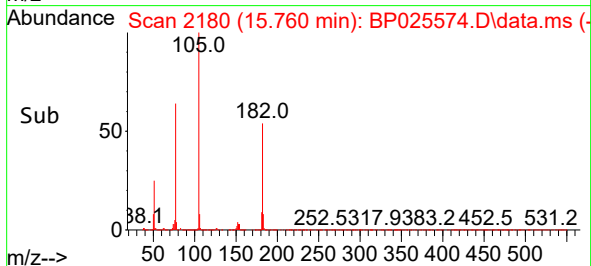
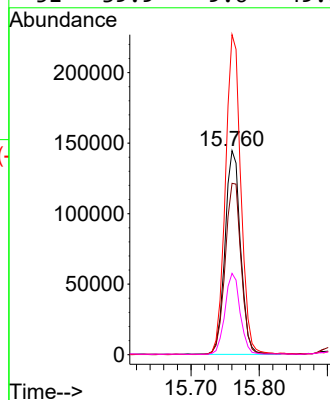
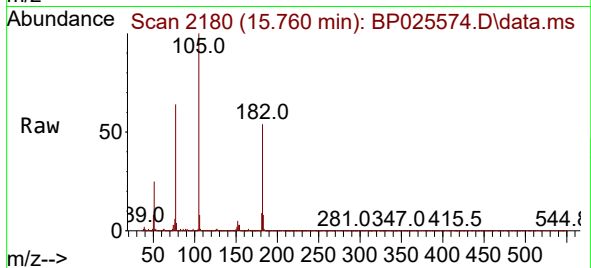
Ion Ratio Lower Upper

77 100

182 84.0 7.5 47.5#

105 156.9 2.1 42.1#

51 39.9 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.184 min Scan# 2422

Delta R.T. -0.017 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

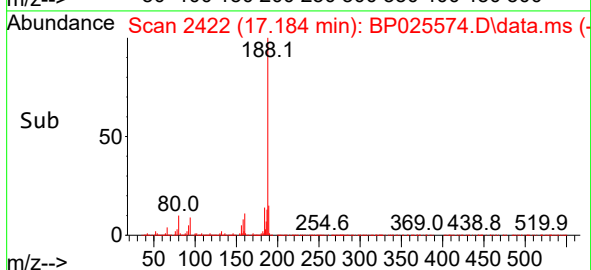
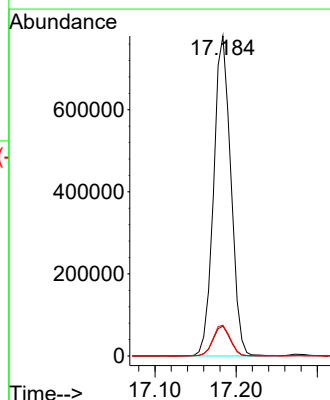
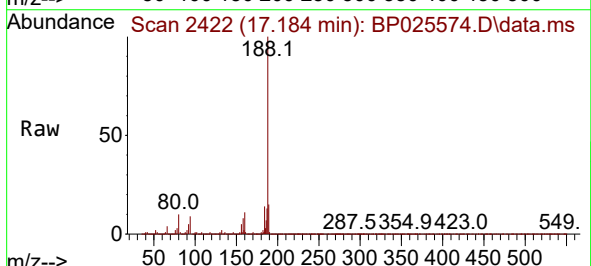
Tgt Ion:188 Resp: 1148294

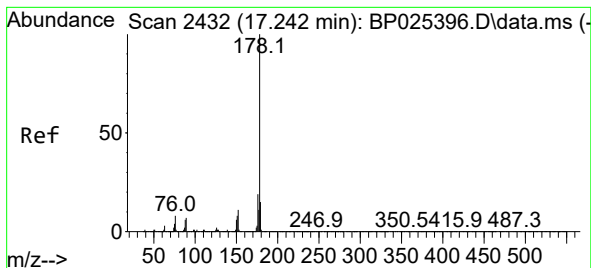
Ion Ratio Lower Upper

188 100

94 9.4 6.6 10.0

80 9.6 6.7 10.1





#71

Phenanthrene

Concen: 8.766 ng

RT: 17.225 min Scan# 2429

Delta R.T. -0.017 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

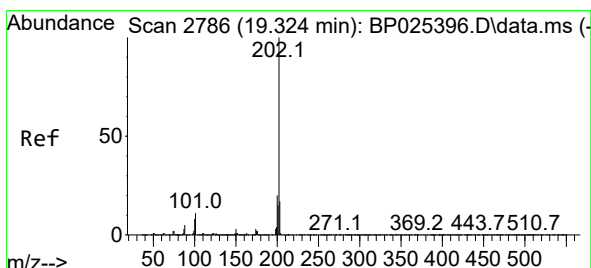
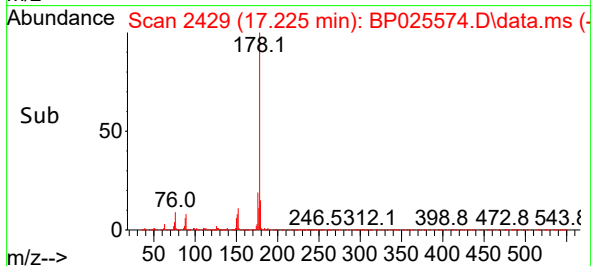
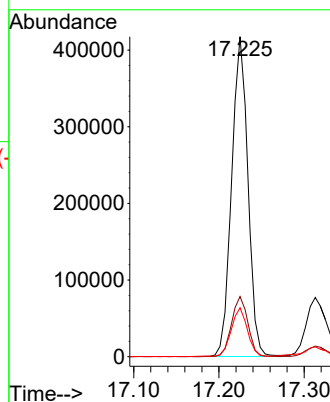
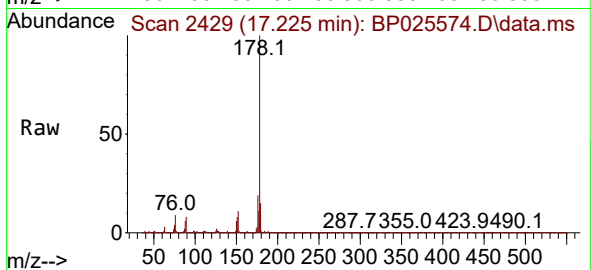
Tgt Ion:178 Resp: 552979

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.3 12.2 18.4



#75

Fluoranthene

Concen: 20.982 ng

RT: 19.307 min Scan# 2783

Delta R.T. -0.017 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

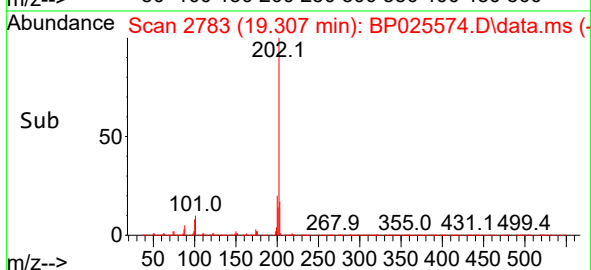
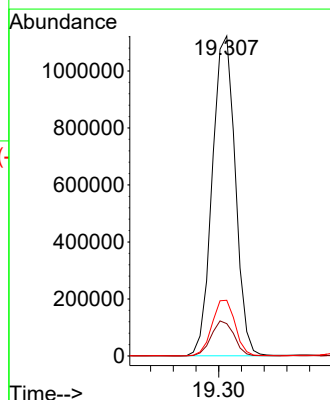
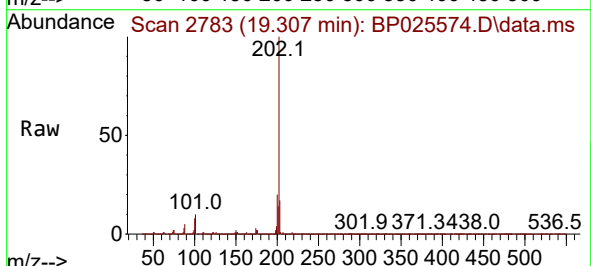
Tgt Ion:202 Resp: 1578765

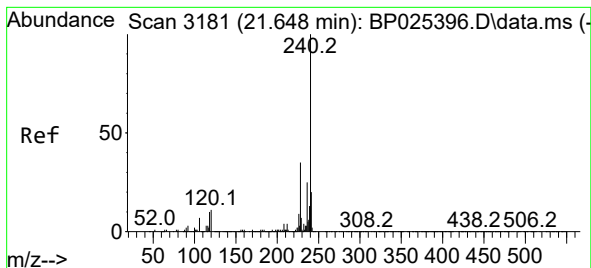
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

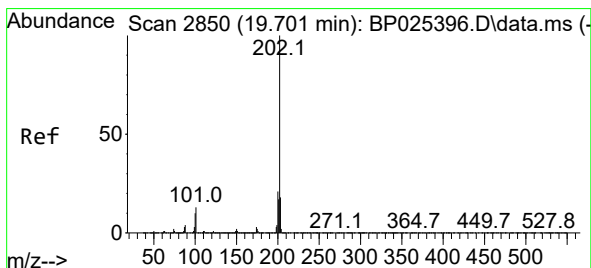
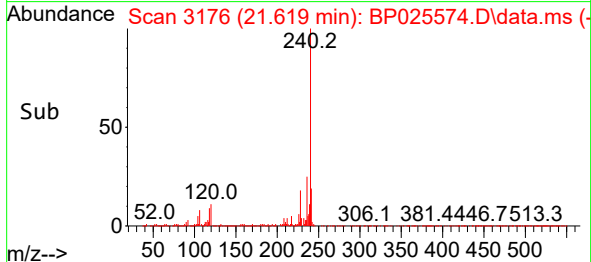
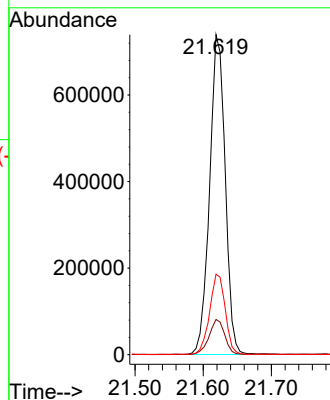
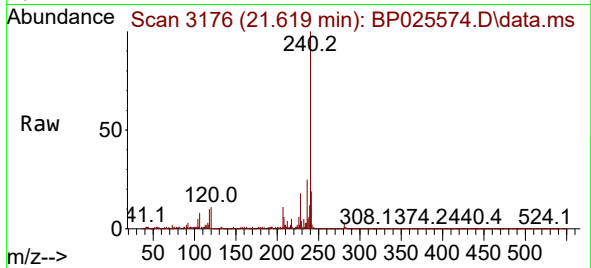
Tgt Ion:240 Resp: 1177776

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 25.1 19.8 29.8



#78

Pyrene

Concen: 17.785 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.017 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

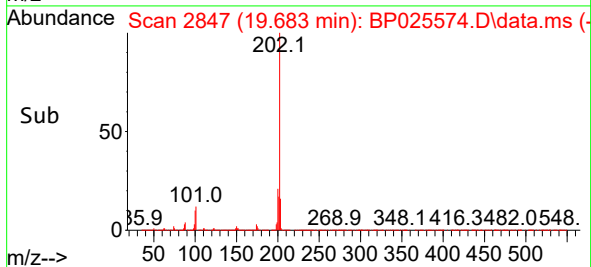
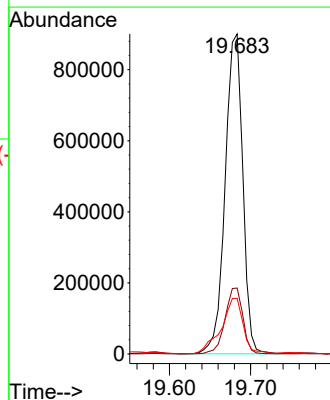
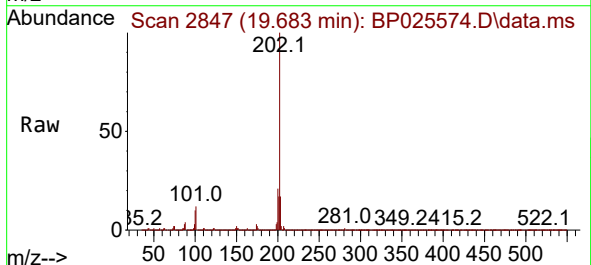
Tgt Ion:202 Resp: 1361444

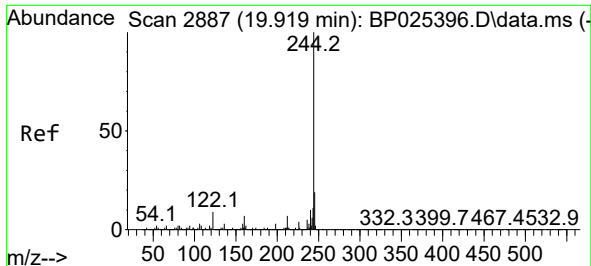
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.4 14.2 21.2

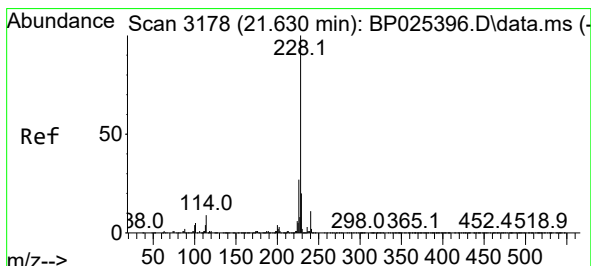
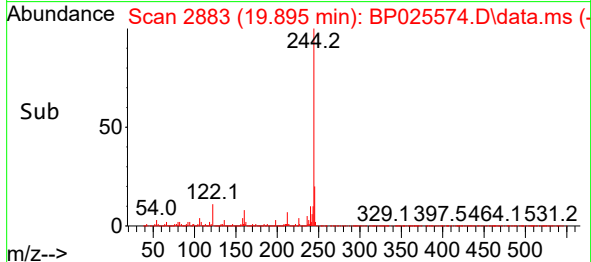
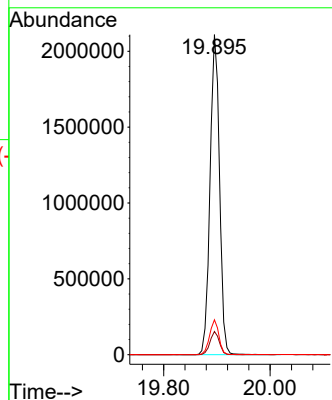
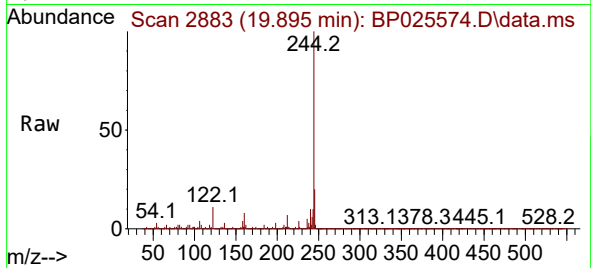




#79
 Terphenyl-d14
 Concen: 40.258 ng
 RT: 19.895 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BP025574.D
 Acq: 25 Aug 2025 21:14

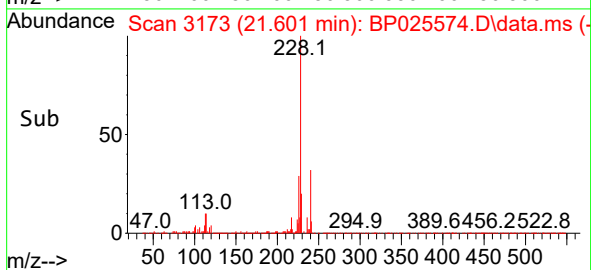
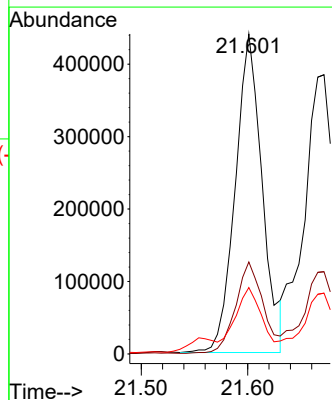
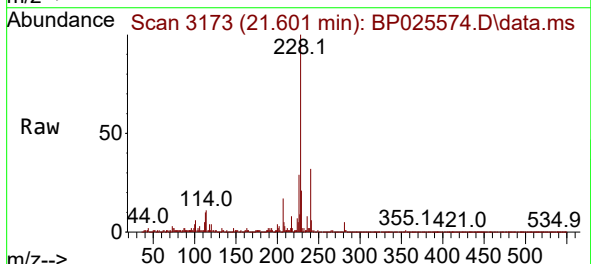
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

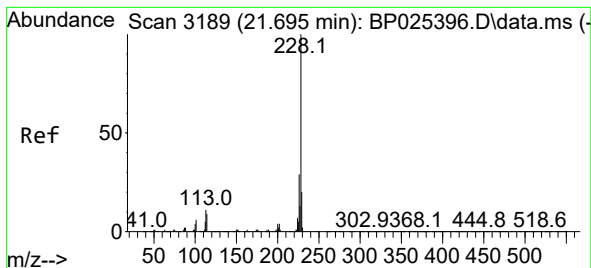
Tgt Ion:244 Resp: 2591554
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 10.9 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 9.942 ng
 RT: 21.601 min Scan# 3173
 Delta R.T. -0.029 min
 Lab File: BP025574.D
 Acq: 25 Aug 2025 21:14

Tgt Ion:228 Resp: 772236
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.8 15.6 23.4





#83

Chrysene

Concen: 10.421 ng

RT: 21.672 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

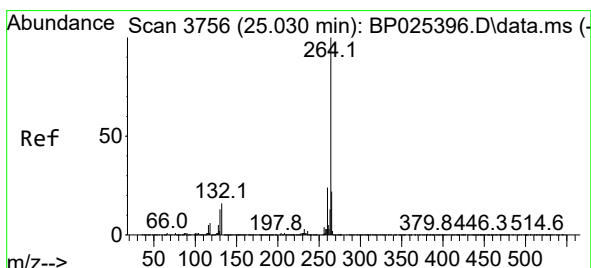
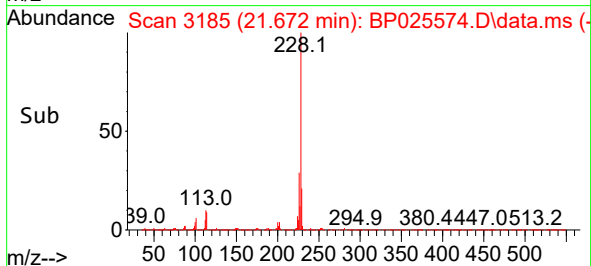
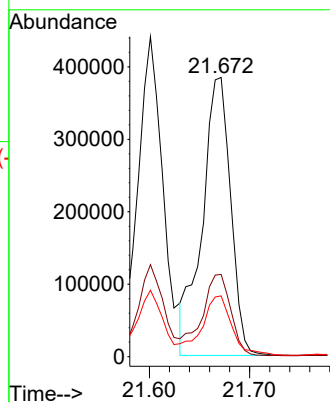
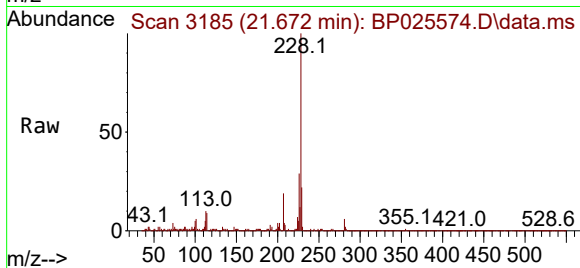
Tgt Ion:228 Resp: 758013

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

229 21.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.041 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

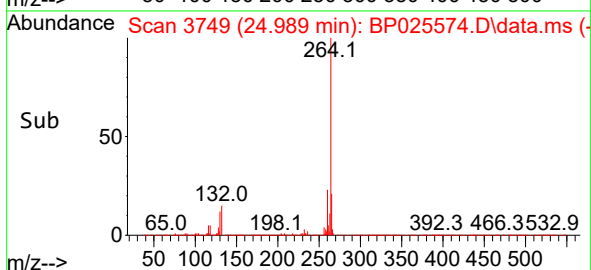
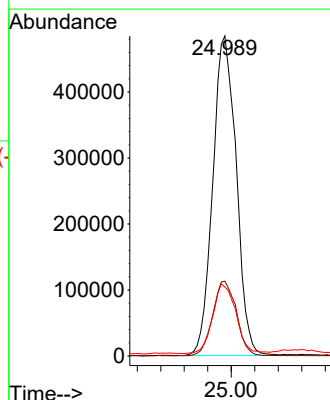
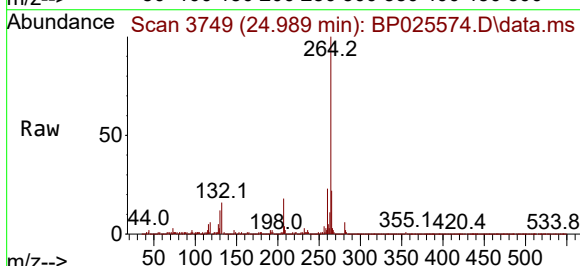
Tgt Ion:264 Resp: 1340917

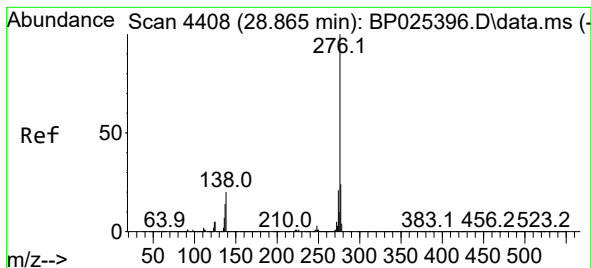
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.003 ng

RT: 28.795 min Scan# 41

Delta R.T. -0.070 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

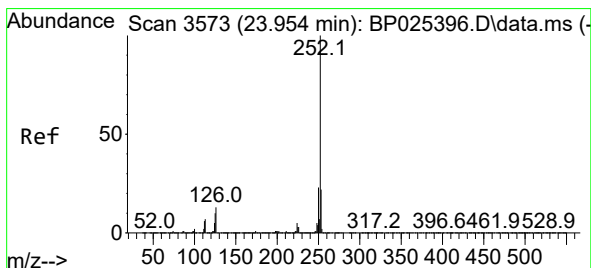
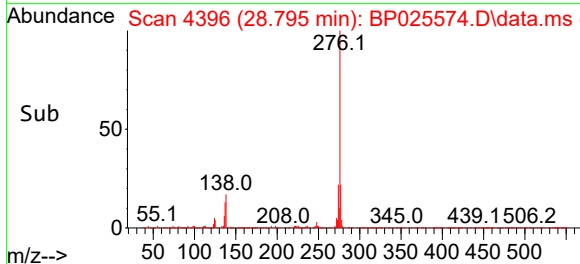
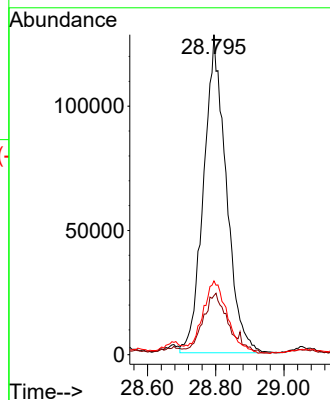
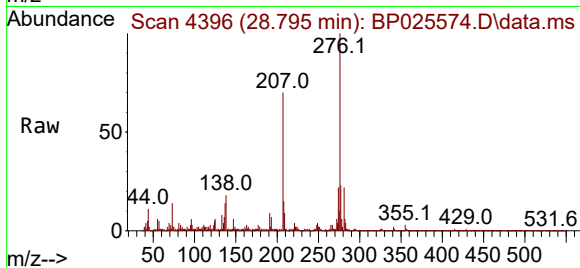
Tgt Ion:276 Resp: 590274

Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3#

277 24.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 14.417 ng

RT: 23.919 min Scan# 3567

Delta R.T. -0.035 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

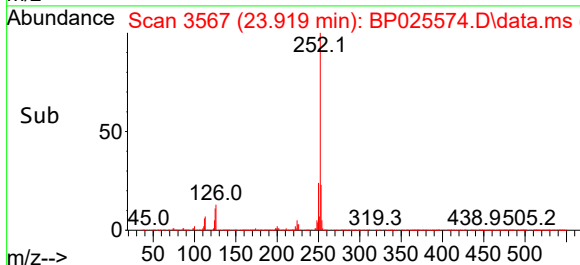
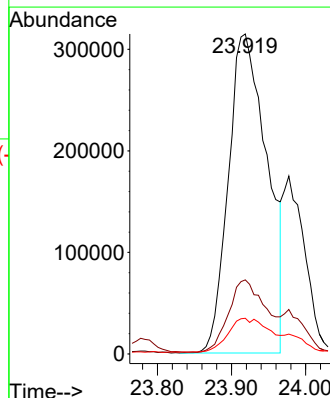
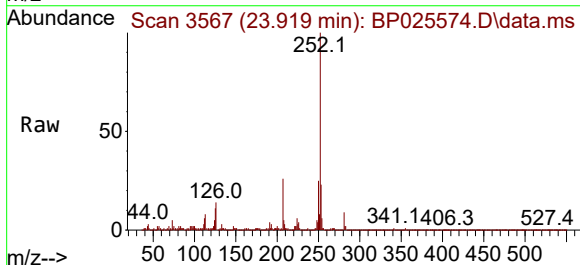
Tgt Ion:252 Resp: 1139921

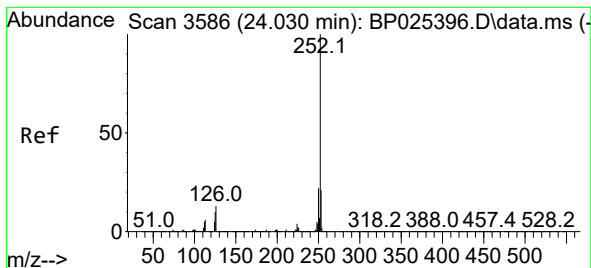
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 11.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 14.407 ng

RT: 23.919 min Scan# 31

Delta R.T. -0.112 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

Instrument :

BNA_P

ClientSampleId :

SOIL-COMP(1-2)

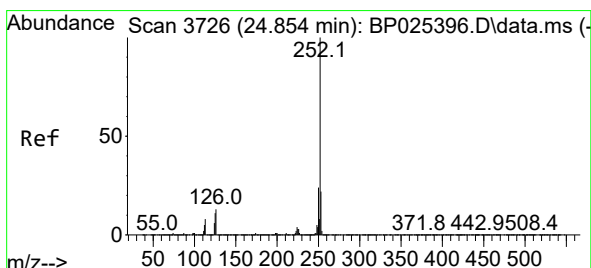
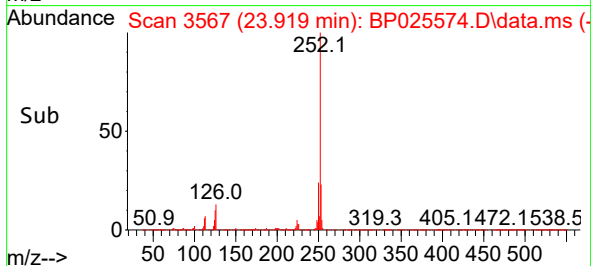
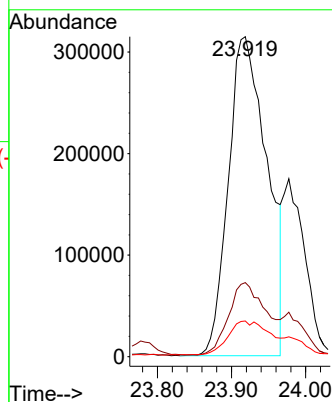
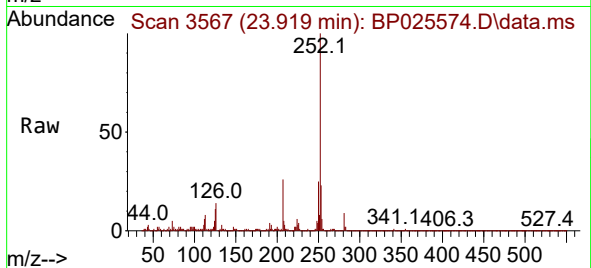
Tgt Ion:252 Resp: 1139921

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 11.2 7.8 11.6



#90

Benzo(a)pyrene

Concen: 10.044 ng

RT: 24.824 min Scan# 3721

Delta R.T. -0.029 min

Lab File: BP025574.D

Acq: 25 Aug 2025 21:14

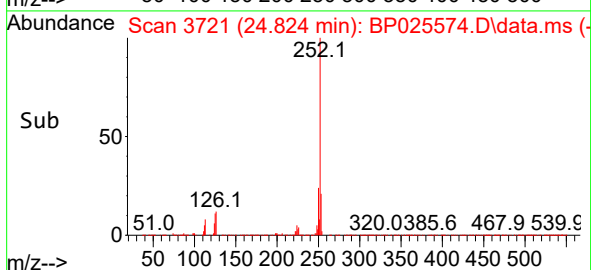
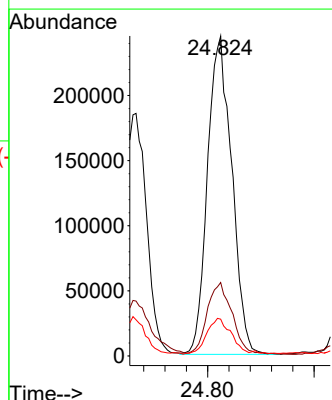
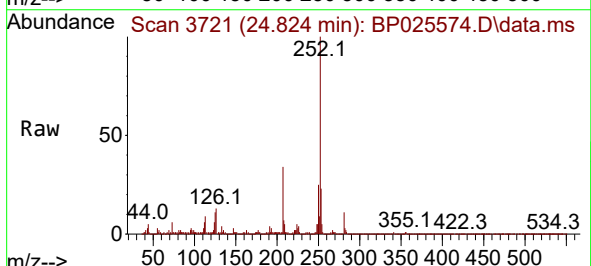
Tgt Ion:252 Resp: 773065

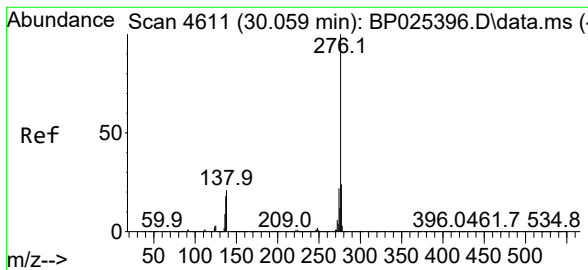
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.5 8.7 13.1





#92
Benzo(g,h,i)perylene
Concen: 7.067 ng
RT: 29.983 min Scan# 4
Delta R.T. -0.076 min
Lab File: BP025574.D
Acq: 25 Aug 2025 21:14

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

Tgt Ion:276 Resp: 558257
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 22.0 16.7 25.1

