

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090425\
 Data File : BP025659.D
 Acq On : 04 Sep 2025 14:06
 Operator : CG/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 04 14:56:47 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	7.766	152	159542	20.000	ng	-0.03
21) Naphthalene-d8	10.543	136	639022	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	426175	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	858681	20.000	ng	#-0.01
76) Chrysene-d12	21.648	240	928786	20.000	ng	0.00
86) Perylene-d12	25.013	264	995879	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1123788	116.977	ng	-0.02
7) Phenol-d6	6.961	99	1456954	118.289	ng	0.00
23) Nitrobenzene-d5	8.913	82	1001690	79.295	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	721182	125.721	ng	0.00
45) 2-Fluorobiphenyl	12.996	172	2312066	74.145	ng	-0.02
79) Terphenyl-d14	19.913	244	3981185	78.424	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.320	88	17402	4.624	ng	# 89
3) Pyridine	3.725	79	43007	4.176	ng	94
4) n-Nitrosodimethylamine	3.625	42	20433	4.812	ng	# 97
6) Aniline	7.102	93	72069	4.343	ng	99
8) 2-Chlorophenol	7.343	128	49223	4.540	ng	89
9) Benzaldehyde	6.925	77	43211	5.007	ng	96
10) Phenol	6.984	94	55795	4.317	ng	86
11) bis(2-Chloroethyl)ether	7.196	93	44462	4.414	ng	98
12) 1,3-Dichlorobenzene	7.661	146	53905	4.509	ng	97
13) 1,4-Dichlorobenzene	7.802	146	55096	4.509	ng	98
14) 1,2-Dichlorobenzene	8.119	146	53336	4.510	ng	93
15) Benzyl Alcohol	8.008	79	38837	3.968	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.290	45	65622	4.863	ng	94
17) 2-Methylphenol	8.213	107	37698	4.200	ng	99
18) Hexachloroethane	8.837	117	20408	4.543	ng	98
19) n-Nitroso-di-n-propyla...	8.560	70	35029	4.294	ng	98
20) 3+4-Methylphenols	8.549	107	46366	3.726	ng	94
22) Acetophenone	8.584	105	72370	4.516	ng	# 95
24) Nitrobenzene	8.955	77	55843	4.946	ng	98
25) Isophorone	9.478	82	96345	4.310	ng	97
26) 2-Nitrophenol	9.666	139	23147	3.995	ng	94
27) 2,4-Dimethylphenol	9.737	122	38534	3.867	ng	96
28) bis(2-Chloroethoxy)met...	9.955	93	57689	4.269	ng	93
29) 2,4-Dichlorophenol	10.225	162	36209	3.658	ng	93
30) 1,2,4-Trichlorobenzene	10.402	180	49009	4.517	ng	96
31) Naphthalene	10.590	128	151717	4.568	ng	99
33) 4-Chloroaniline	10.713	127	55676	3.795	ng	97
34) Hexachlorobutadiene	10.872	225	30308	4.485	ng	96
35) Caprolactam	11.490	113	13590	3.744	ng	96
36) 4-Chloro-3-methylphenol	11.843	107	47369	4.171	ng	99
37) 2-Methylnaphthalene	12.201	142	93240	4.314	ng	98
38) 1-Methylnaphthalene	12.413	142	100047	4.353	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	55992	4.549	ng	99
41) Hexachlorocyclopentadiene	12.549	237	15174	2.041	ng	94
43) 2,4,6-Trichlorophenol	12.819	196	32044	3.856	ng	94
44) 2,4,5-Trichlorophenol	12.907	196	36449	4.002	ng	91

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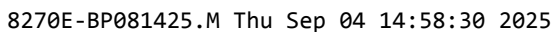
Instrument :
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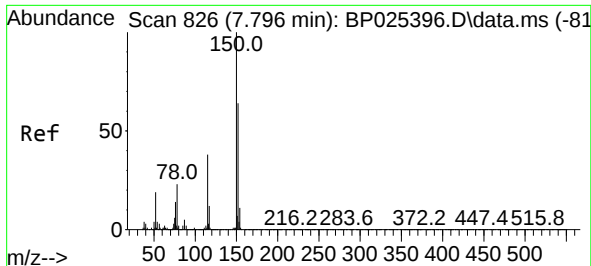
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.213	154	141937	4.586	ng	96
47) 2-Chloronaphthalene	13.254	162	107810	4.474	ng	99
48) 2-Nitroaniline	13.466	65	29072	4.141	ng	95
49) Acenaphthylene	14.107	152	177187	4.444	ng	97
50) Dimethylphthalate	13.843	163	143413	4.595	ng	98
51) 2,6-Dinitrotoluene	13.960	165	27759	4.220	ng	# 77
52) Acenaphthene	14.448	154	102960	4.399	ng	96
53) 3-Nitroaniline	14.301	138	25824	3.489	ng	97
55) Dibenzofuran	14.790	168	168370	4.550	ng	97
57) 2,4-Dinitrotoluene	14.760	165	37687	4.016	ng	# 94
58) Fluorene	15.454	166	135196	4.631	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.031	232	32797	4.079	ng	96
60) Diethylphthalate	15.225	149	148274	4.676	ng	98
61) 4-Chlorophenyl-phenyle...	15.448	204	68751	4.735	ng	96
62) 4-Nitroaniline	15.501	138	16431	2.166	ng	96
63) Azobenzene	15.742	77	127483	4.695	ng	96
65) 4,6-Dinitro-2-methylph...	15.554	198	16496	3.082	ng	93
66) n-Nitrosodiphenylamine	15.666	169	118451	4.524	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	43159	4.570	ng	93
68) Hexachlorobenzene	16.484	284	50252	4.590	ng	96
69) Atrazine	16.648	200	43134	4.399	ng	98
70) Pentachlorophenol	16.854	266	24624	3.563	ng	94
71) Phenanthrene	17.236	178	214879	4.555	ng	97
72) Anthracene	17.331	178	214393	4.451	ng	100
73) Carbazole	17.613	167	190582	4.200	ng	97
74) Di-n-butylphthalate	18.201	149	245902	4.405	ng	100
75) Fluoranthene	19.331	202	248530	4.417	ng	98
77) Benzidine	19.525	184	114459	3.611	ng	99
78) Pyrene	19.701	202	262575	4.350	ng	98
80) Butylbenzylphthalate	20.642	149	115848	4.234	ng	99
81) Benzo(a)anthracene	21.625	228	268429	4.382	ng	97
82) 3,3'-Dichlorobenzidine	21.554	252	95149	4.121	ng	98
83) Chrysene	21.695	228	264349	4.608	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	175341	4.354	ng	98
85) Di-n-octyl phthalate	22.836	149	297224	4.291	ng	97
87) Indeno(1,2,3-cd)pyrene	28.842	276	296458	4.059	ng	# 91
88) Benzo(b)fluoranthene	23.948	252	258604	4.404	ng	98
89) Benzo(k)fluoranthene	24.013	252	263611	4.486	ng	99
90) Benzo(a)pyrene	24.854	252	249774	4.369	ng	98
91) Dibenzo(a,h)anthracene	28.930	278	244483	4.096	ng	99
92) Benzo(g,h,i)perylene	30.053	276	242472	4.133	ng	97

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

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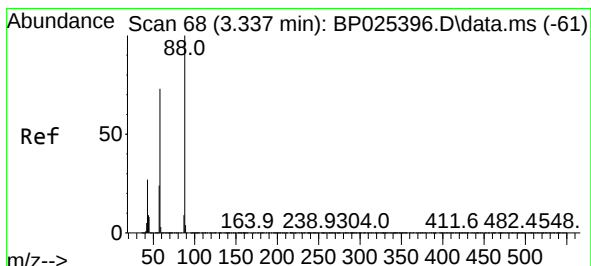
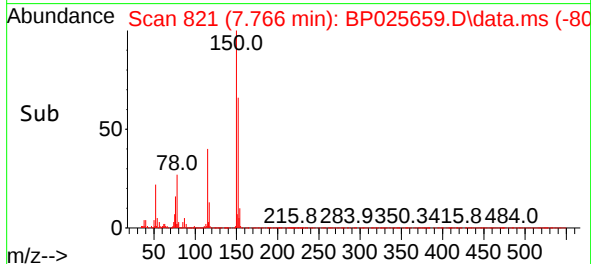
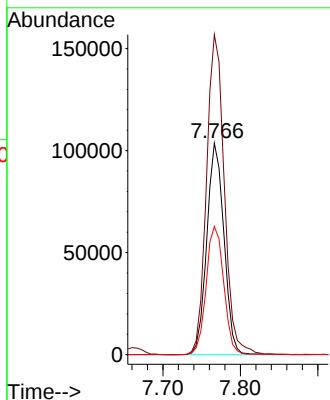
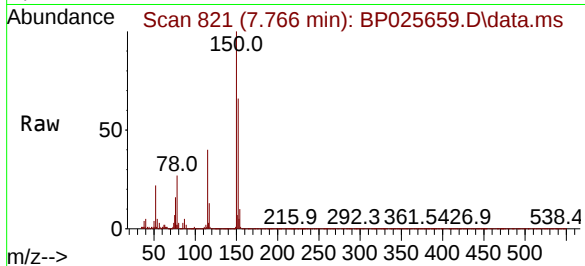




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.766 min Scan# 81
 Delta R.T. -0.030 min
 Lab File: BP025659.D
 Acq: 04 Sep 2025 14:06

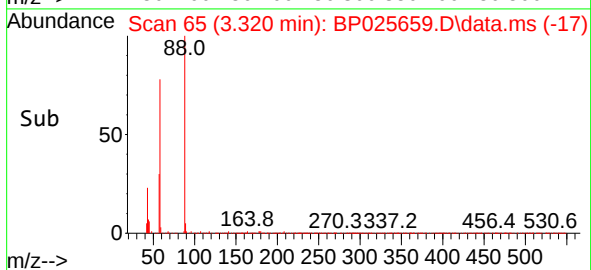
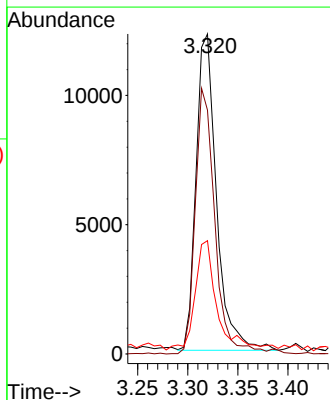
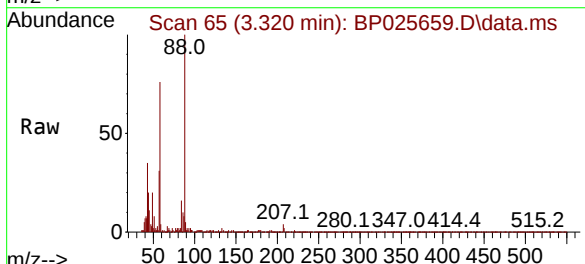
Instrument :
 BNA_P
 ClientSampleId :
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Tgt Ion:152 Resp: 159542
 Ion Ratio Lower Upper
 152 100
 150 151.2 125.9 188.9
 115 60.6 48.5 72.7



#2
 1,4-Dioxane
 Concen: 4.624 ng
 RT: 3.320 min Scan# 65
 Delta R.T. -0.017 min
 Lab File: BP025659.D
 Acq: 04 Sep 2025 14:06

Tgt Ion: 88 Resp: 17402
 Ion Ratio Lower Upper
 88 100
 58 80.9 59.2 88.8
 43 37.2 21.7 32.5

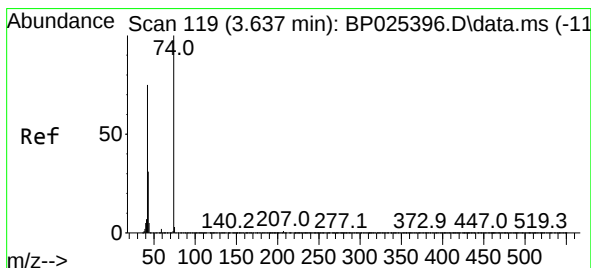
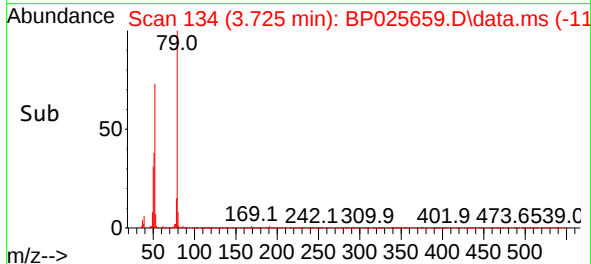
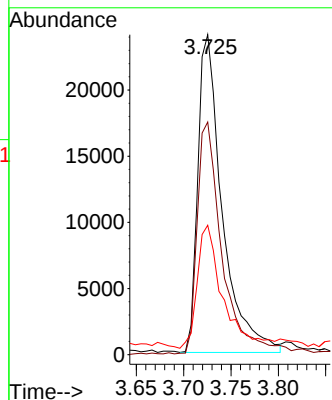
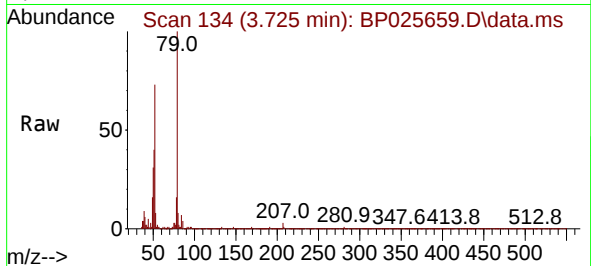




#3
Pyridine
Concen: 4.176 ng
RT: 3.725 min Scan# 117
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

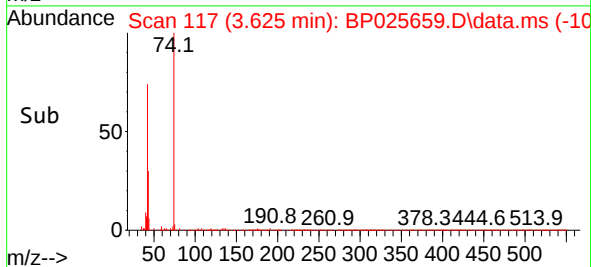
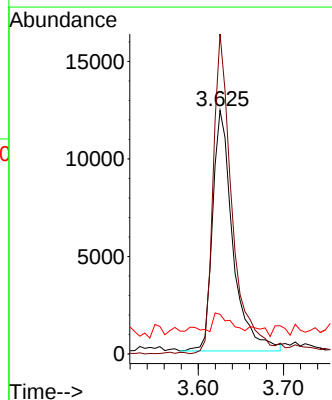
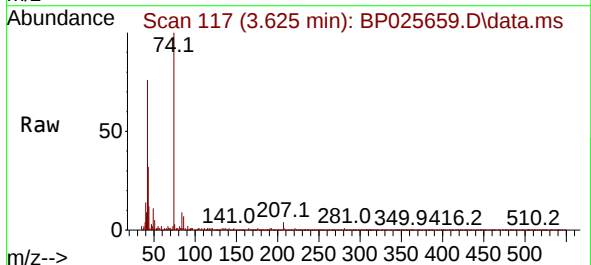
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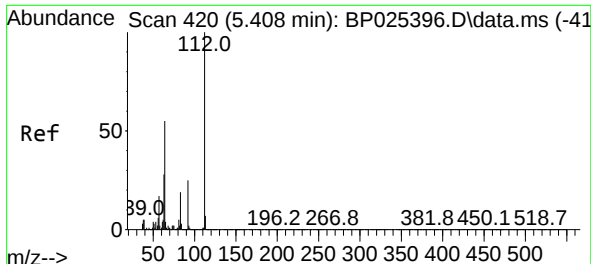
Tgt Ion: 79 Resp: 43007
Ion Ratio Lower Upper
79 100
52 72.7 55.5 83.3
51 40.4 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 4.812 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 42 Resp: 20433
Ion Ratio Lower Upper
42 100
74 131.4 107.0 160.4
44 16.3 6.2 9.4

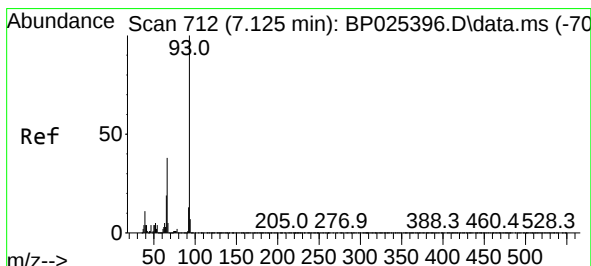
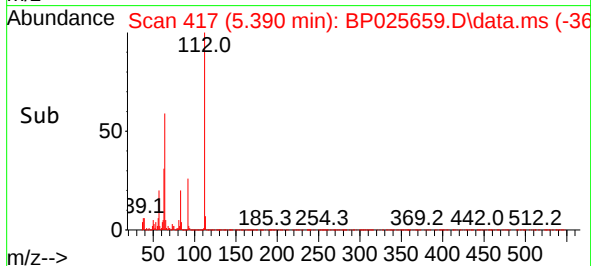
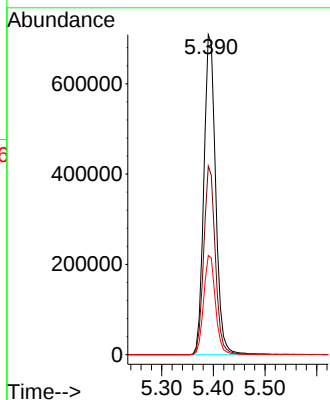
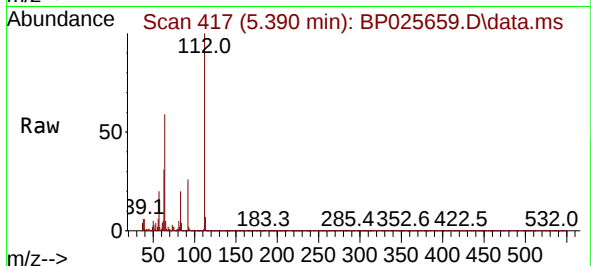




#5
2-Fluorophenol
Concen: 116.977 ng
RT: 5.390 min Scan# 417
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

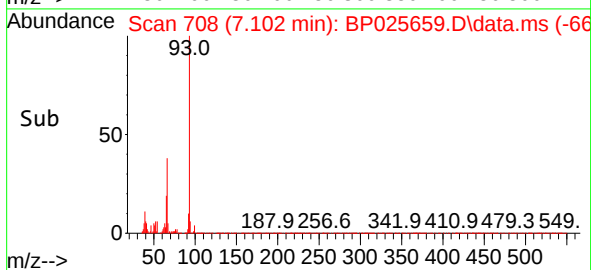
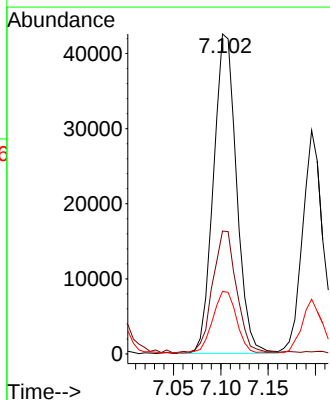
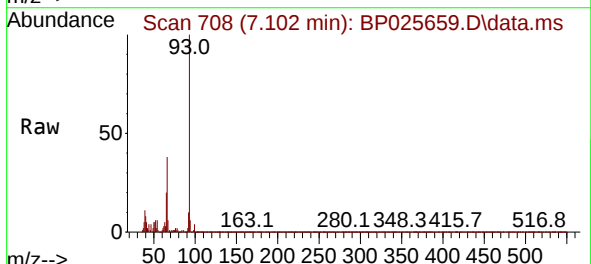
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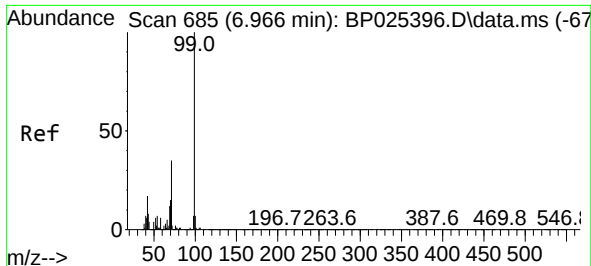
Tgt Ion:112 Resp: 1123788
Ion Ratio Lower Upper
112 100
64 59.0 43.8 65.8
63 31.0 22.7 34.1



#6
Aniline
Concen: 4.343 ng
RT: 7.102 min Scan# 708
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 93 Resp: 72069
Ion Ratio Lower Upper
93 100
66 38.4 30.4 45.6
65 19.6 15.3 22.9

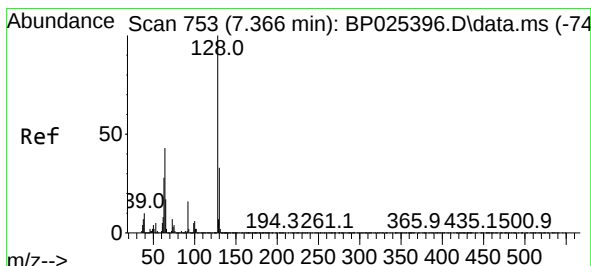
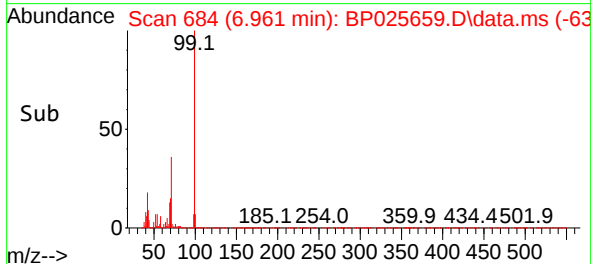
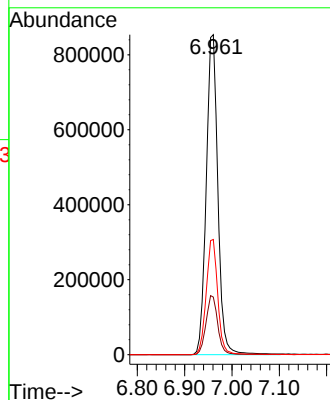
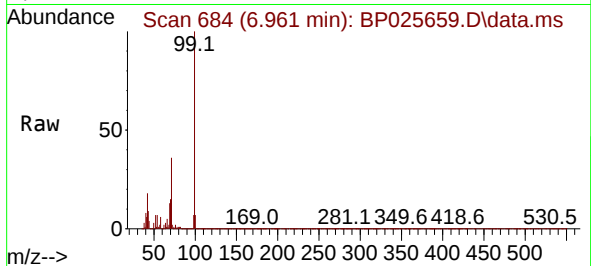




#7
Phenol-d6
Concen: 118.289 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

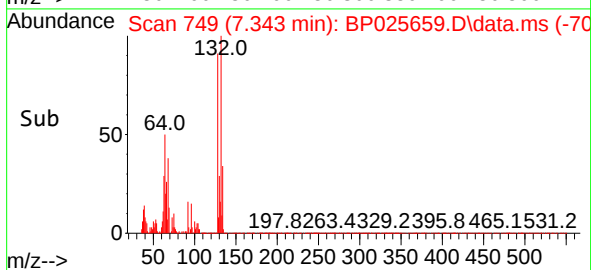
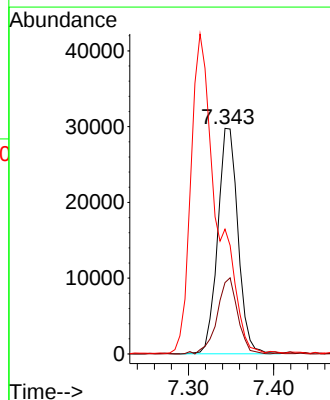
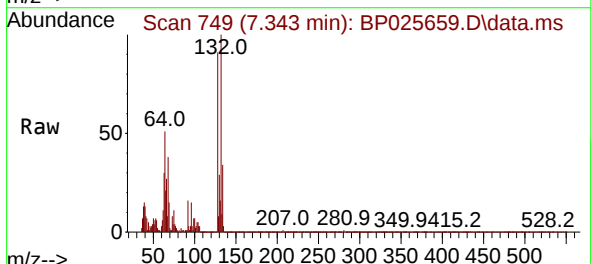
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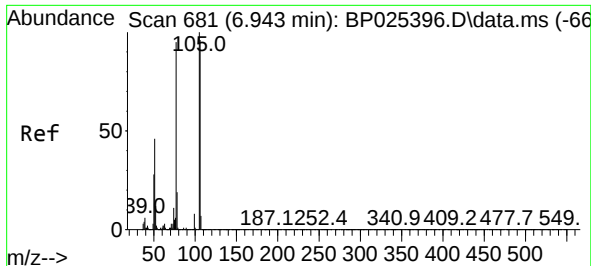
Tgt Ion: 99 Resp: 1456954
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 36.0 28.2 42.4



#8
2-Chlorophenol
Concen: 4.540 ng
RT: 7.343 min Scan# 749
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:128 Resp: 49223
Ion Ratio Lower Upper
128 100
130 31.6 12.6 52.6
64 55.3 23.4 63.4

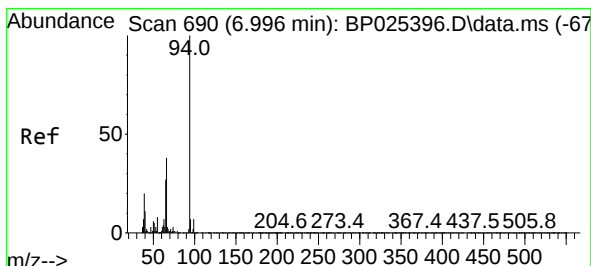
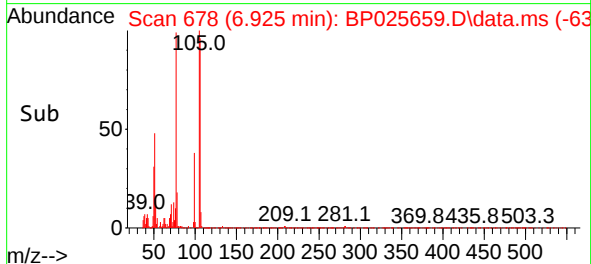
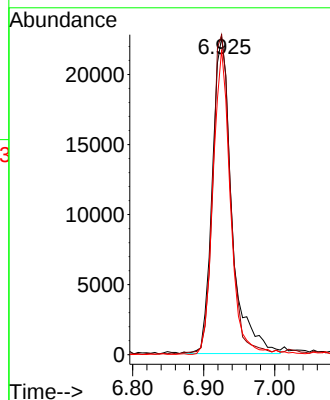
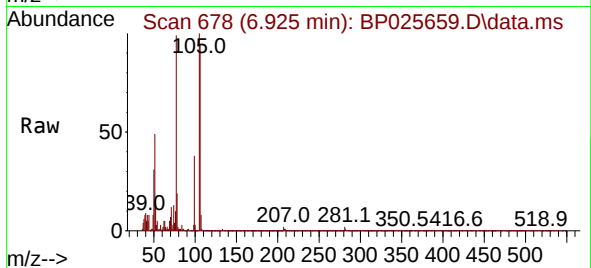




#9
Benzaldehyde
Concen: 5.007 ng
RT: 6.925 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

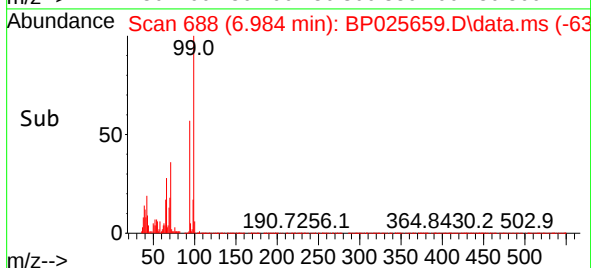
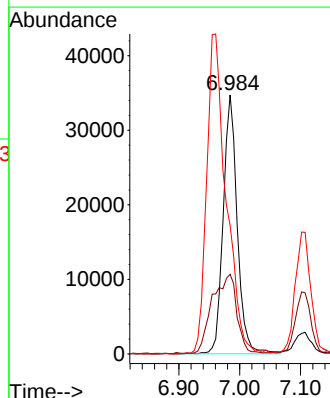
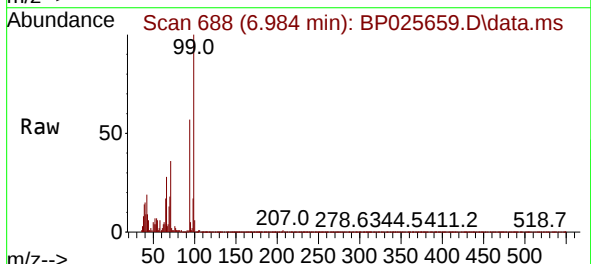
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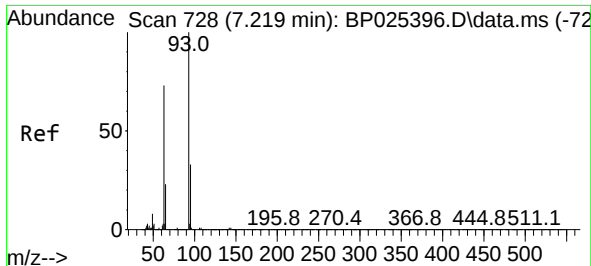
Tgt Ion: 77 Resp: 43211
Ion Ratio Lower Upper
77 100
105 101.0 84.8 124.8
106 96.3 80.5 120.5



#10
Phenol
Concen: 4.317 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 94 Resp: 55795
Ion Ratio Lower Upper
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65 30.8 6.8 46.8
66 49.6 18.2 58.2

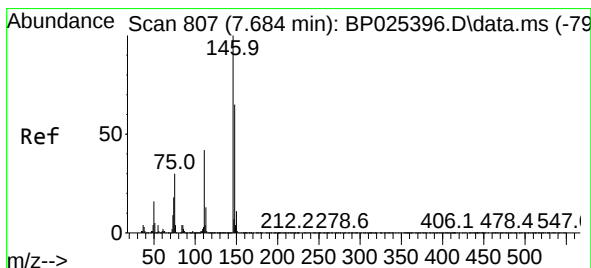
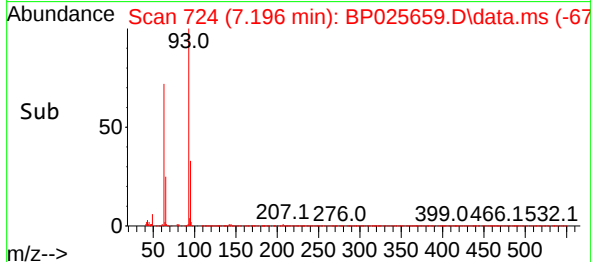
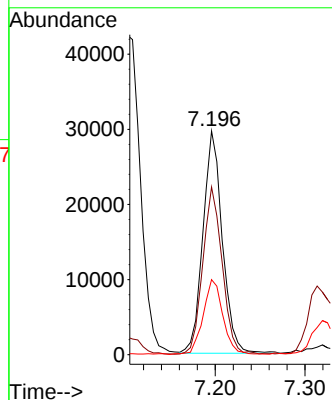
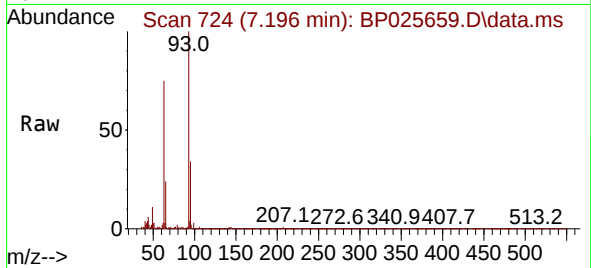




#11
bis(2-Chloroethyl)ether
Concen: 4.414 ng
RT: 7.196 min Scan# 71
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

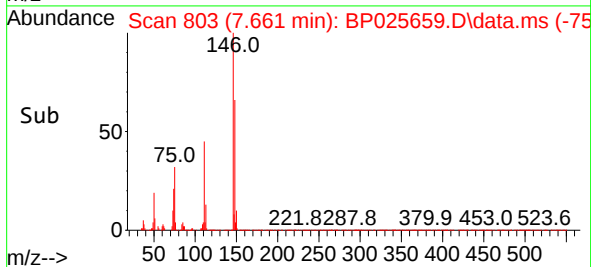
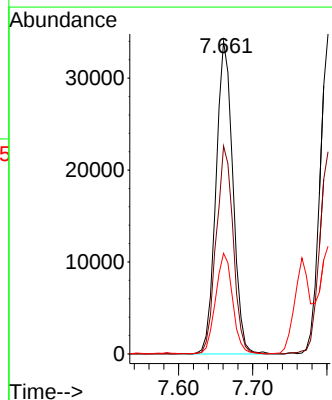
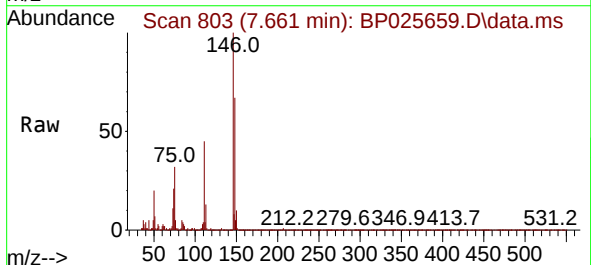
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

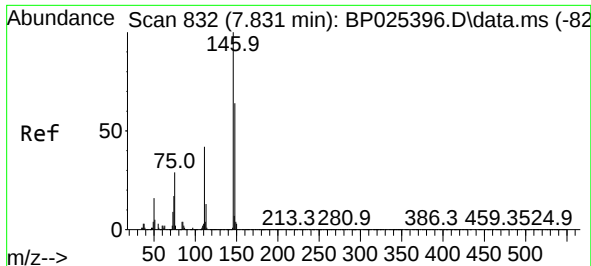
Tgt Ion: 93 Resp: 44462
Ion Ratio Lower Upper
93 100
63 75.0 52.6 92.6
95 33.6 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.509 ng
RT: 7.661 min Scan# 803
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 146 Resp: 53905
Ion Ratio Lower Upper
146 100
148 66.5 51.9 77.9
75 32.2 23.7 35.5

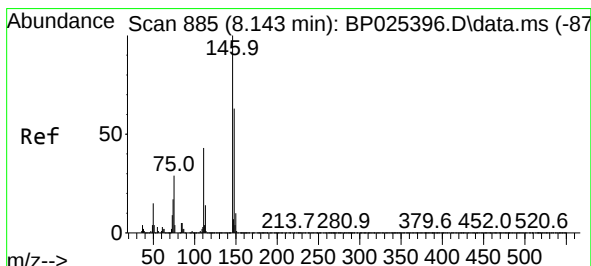
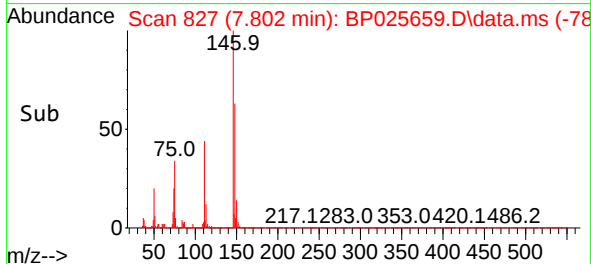
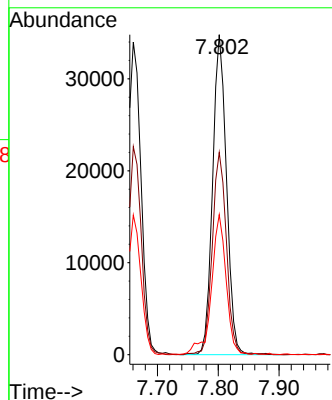
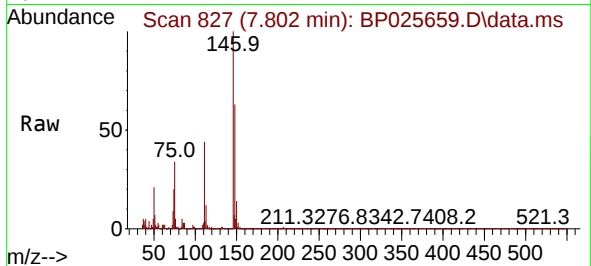




#13
1,4-Dichlorobenzene
Concen: 4.509 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

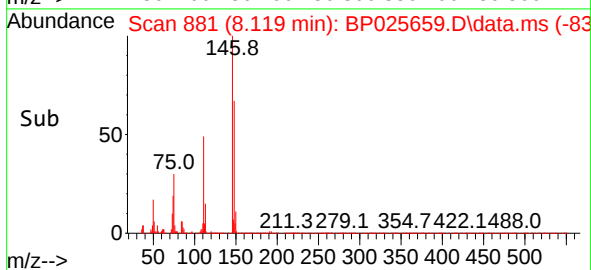
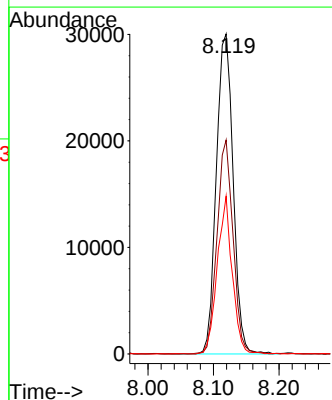
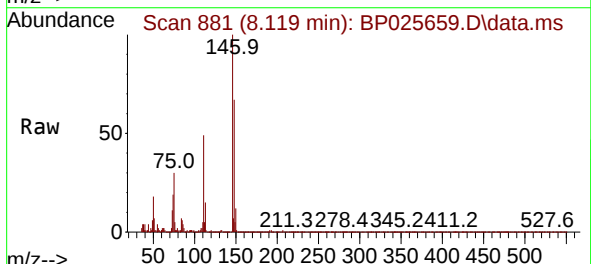
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

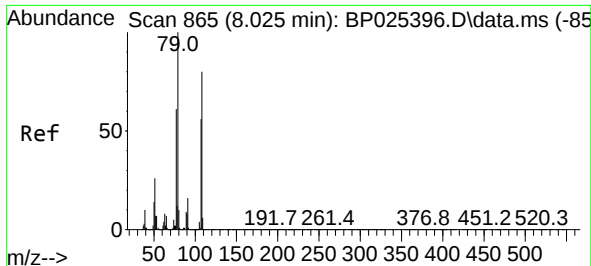
Tgt Ion:146 Resp: 55096
Ion Ratio Lower Upper
146 100
148 63.2 51.6 77.4
111 43.7 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 4.510 ng
RT: 8.119 min Scan# 881
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:146 Resp: 53336
Ion Ratio Lower Upper
146 100
148 66.8 50.4 75.6
111 49.3 34.5 51.7

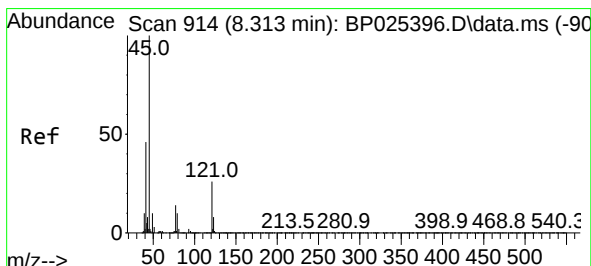
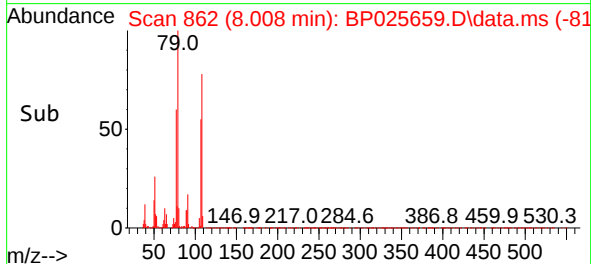
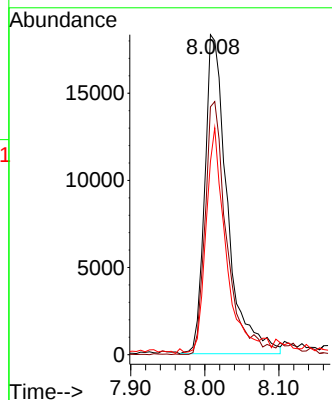
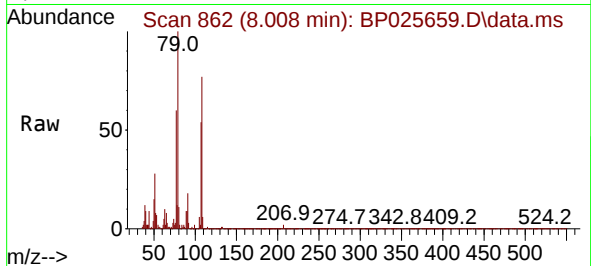




#15
Benzyl Alcohol
Concen: 3.968 ng
RT: 8.008 min Scan# 80
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

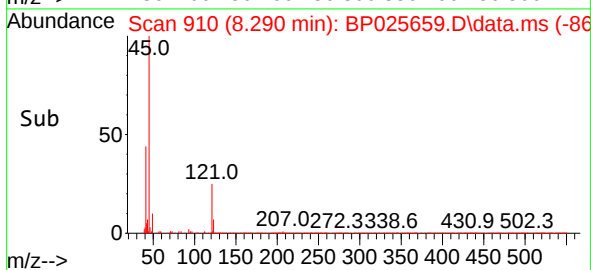
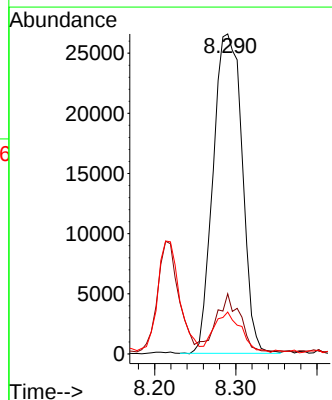
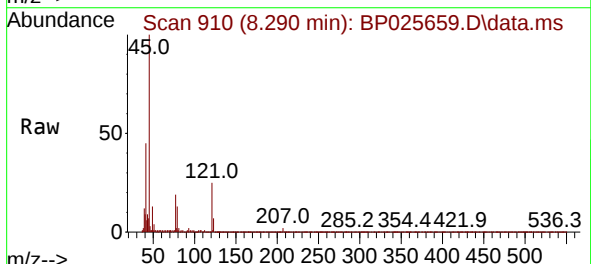
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

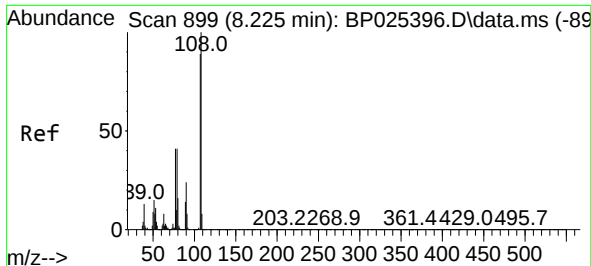
Tgt Ion: 79 Resp: 38837
Ion Ratio Lower Upper
79 100
108 77.5 63.8 95.6
77 60.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.863 ng
RT: 8.290 min Scan# 910
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 45 Resp: 65622
Ion Ratio Lower Upper
45 100
77 18.8 0.0 35.3
79 13.1 0.0 31.8

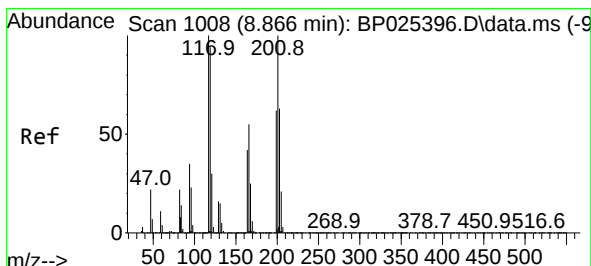
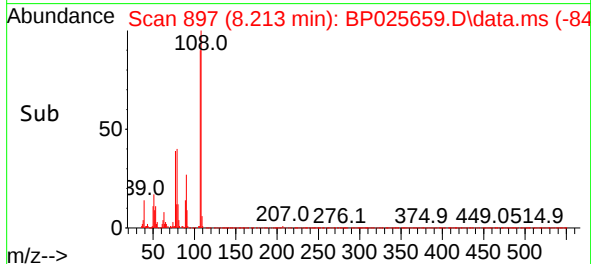
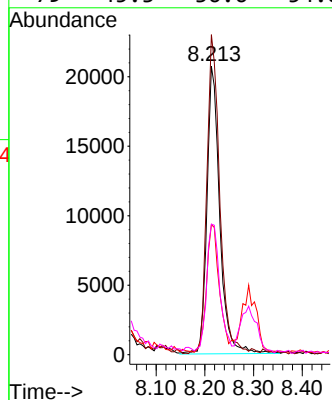
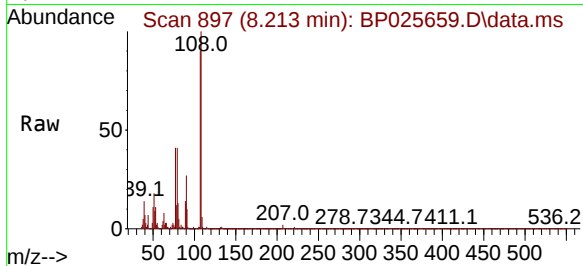




#17
2-Methylphenol
Concen: 4.200 ng
RT: 8.213 min Scan# 899
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

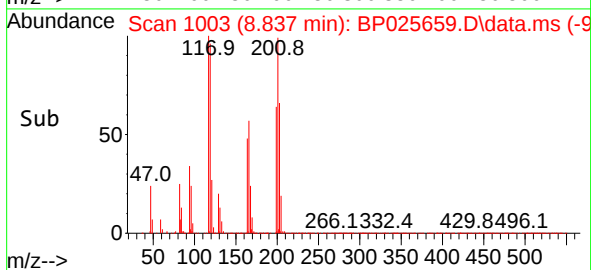
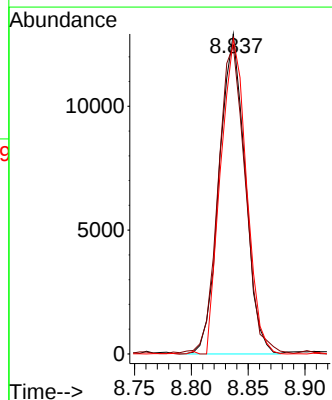
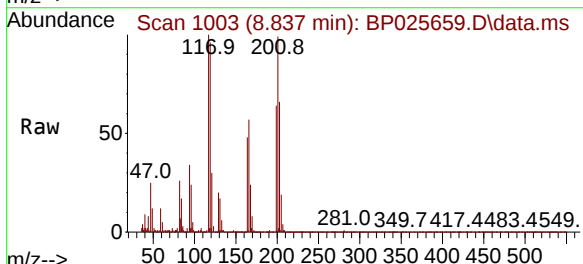
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

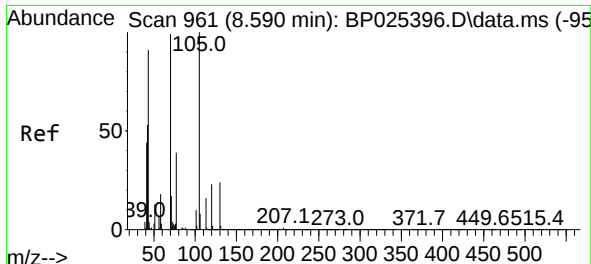
Tgt Ion:	107	Resp:	37698
Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.1	36.3	54.5
79	45.3	36.6	54.8



#18
Hexachloroethane
Concen: 4.543 ng
RT: 8.837 min Scan# 1003
Delta R.T. -0.029 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:	117	Resp:	20408
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.1	112.7
201	98.5	80.1	120.1

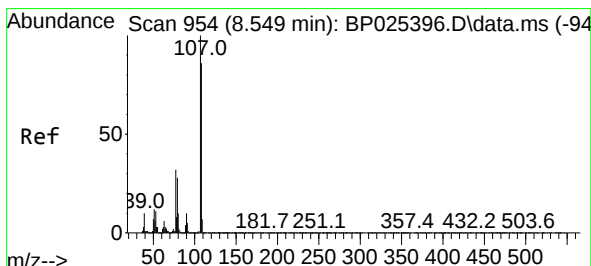
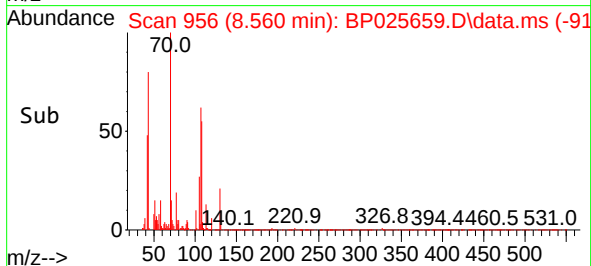
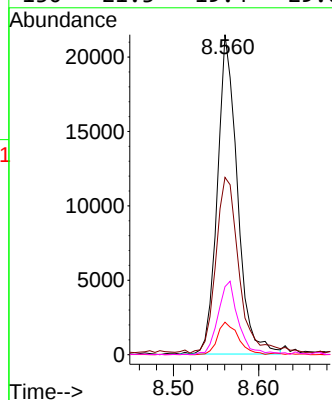
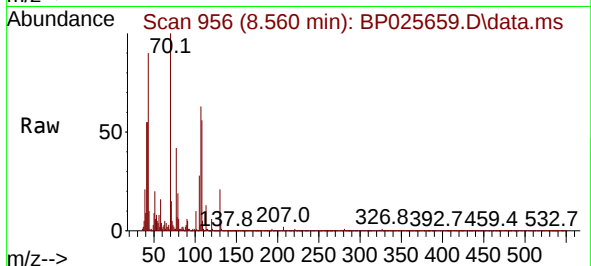




#19
n-Nitroso-di-n-propylamine
Concen: 4.294 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.029 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

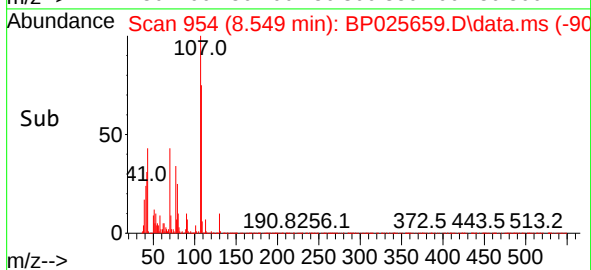
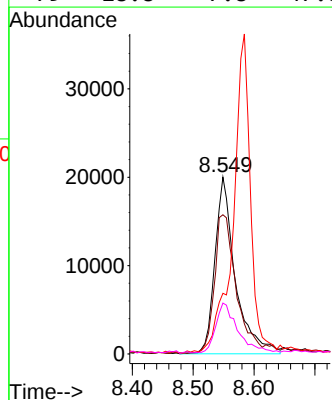
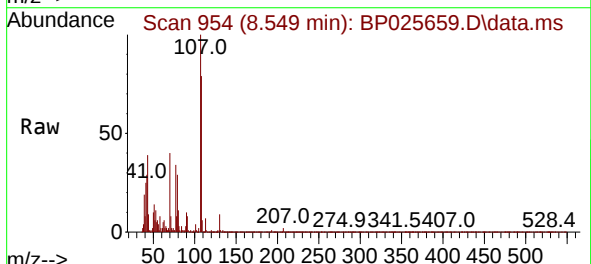
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

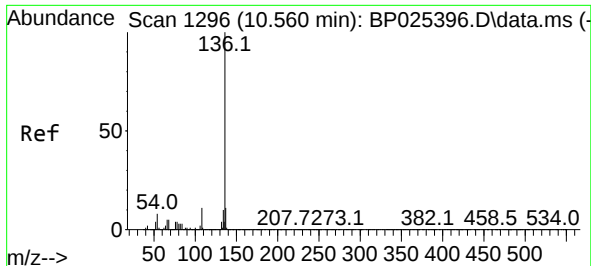
Tgt Ion:	70	Resp:	35029
Ion	Ratio	Lower	Upper
70	100		
42	55.4	43.8	65.6
101	10.1	8.5	12.7
130	21.3	19.4	29.0



#20
3+4-Methylphenols
Concen: 3.726 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:	107	Resp:	46366
Ion	Ratio	Lower	Upper
107	100		
108	78.8	66.3	106.3
77	34.3	12.3	52.3
79	28.8	7.8	47.8

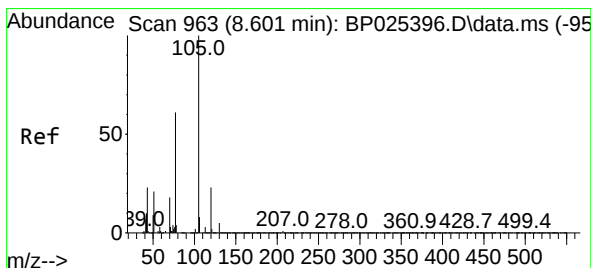
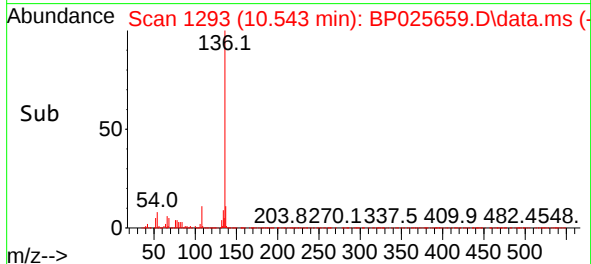
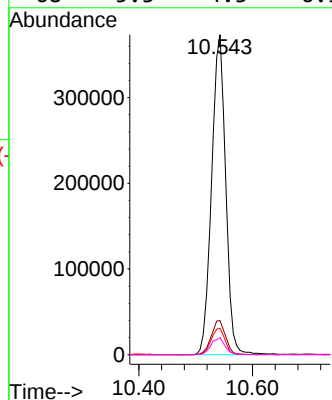
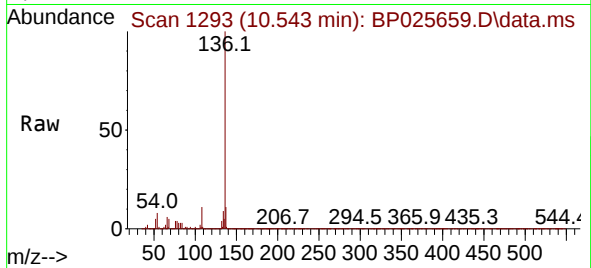




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

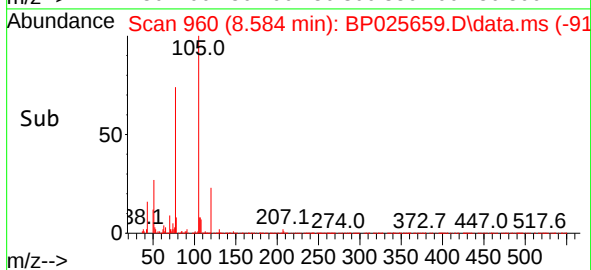
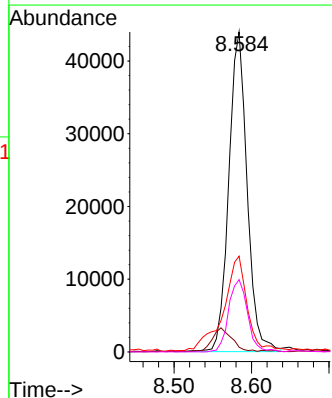
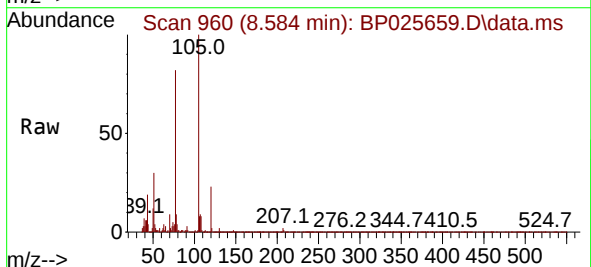
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

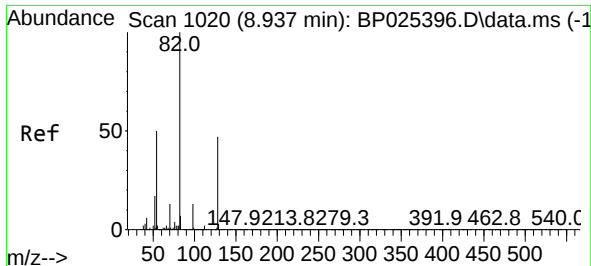
Tgt Ion:	136	Resp:	639022
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.2	6.0	9.0
68	5.3	4.3	6.5



#22
Acetophenone
Concen: 4.516 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:	105	Resp:	72370
Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	29.9	20.6	30.8
120	22.6	18.6	27.8

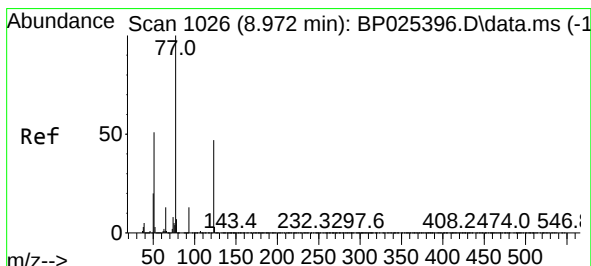
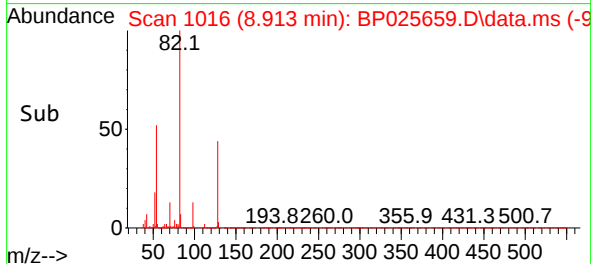
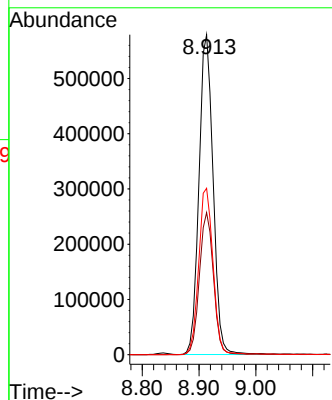
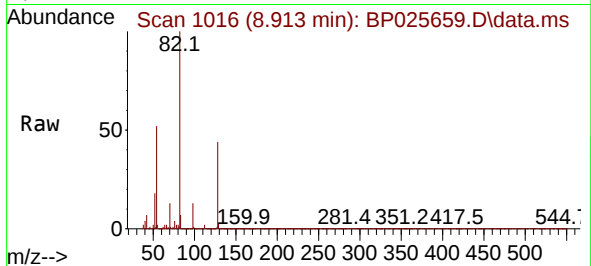




#23
Nitrobenzene-d5
Concen: 79.295 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

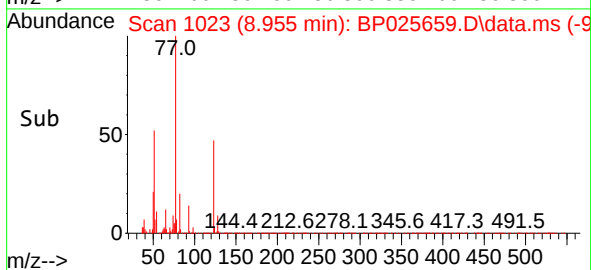
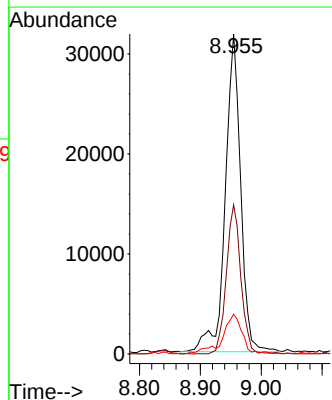
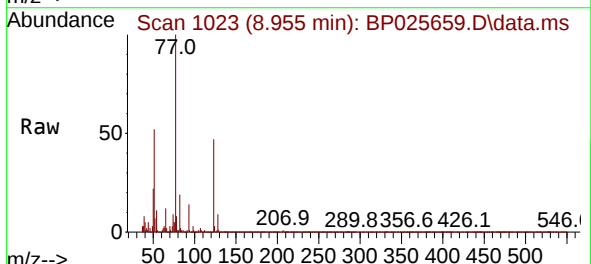
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

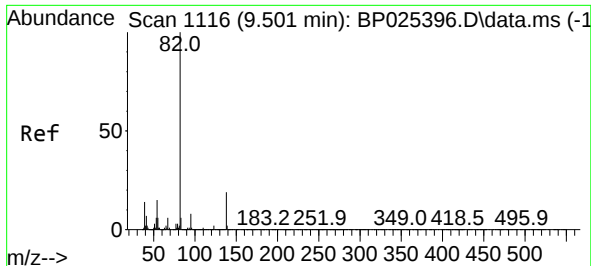
Tgt Ion: 82 Resp: 1001690
Ion Ratio Lower Upper
82 100
128 44.4 37.7 56.5
54 52.0 39.8 59.6



#24
Nitrobenzene
Concen: 4.946 ng
RT: 8.955 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 77 Resp: 55843
Ion Ratio Lower Upper
77 100
123 46.6 38.6 58.0
65 12.4 10.6 15.8

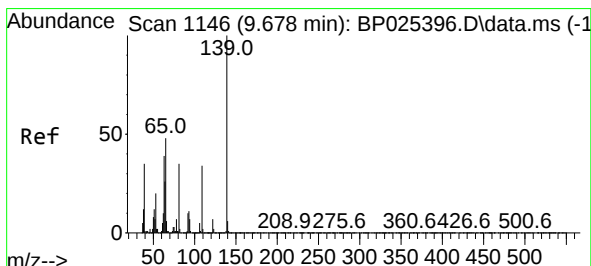
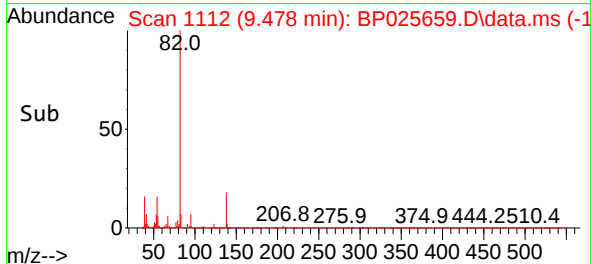
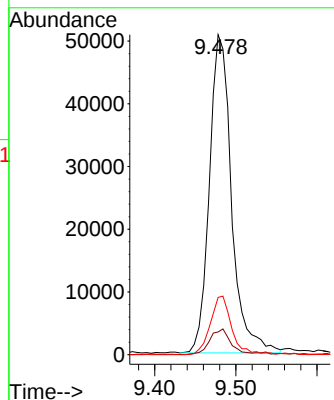
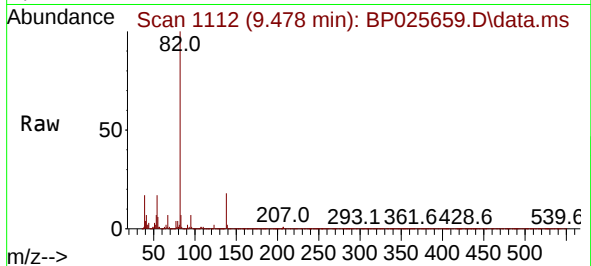




#25
Isophorone
Concen: 4.310 ng
RT: 9.478 min Scan# 1112
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

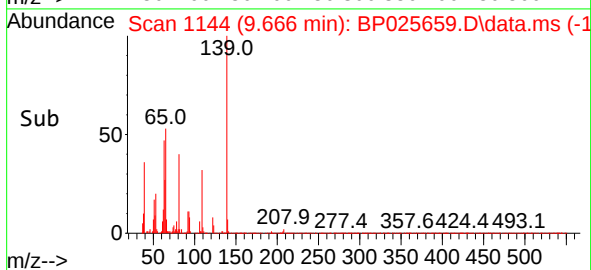
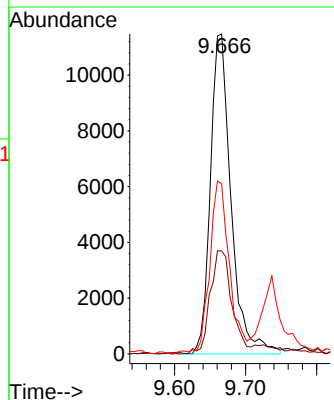
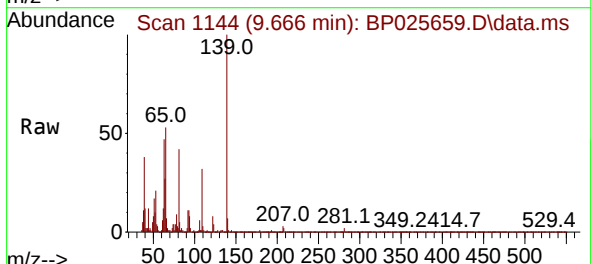
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 82 Resp: 96345
Ion Ratio Lower Upper
82 100
95 7.1 6.4 9.6
138 17.9 15.4 23.0



#26
2-Nitrophenol
Concen: 3.995 ng
RT: 9.666 min Scan# 1144
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:139 Resp: 23147
Ion Ratio Lower Upper
139 100
109 32.2 26.9 40.3
65 53.2 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 3.867 ng

RT: 9.737 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

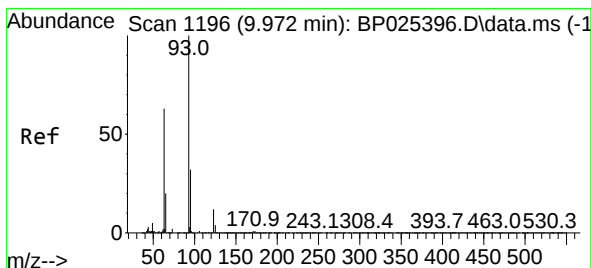
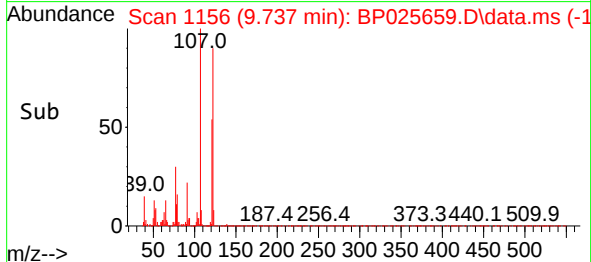
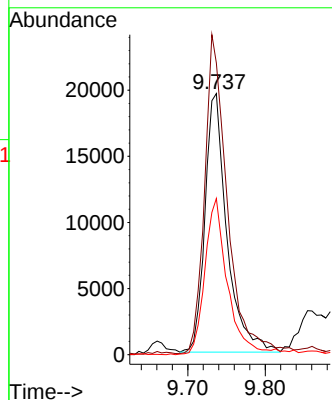
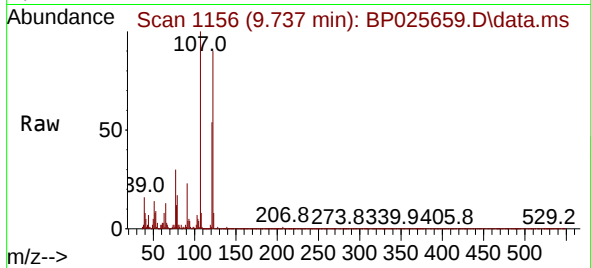
Tgt Ion:122 Resp: 38534

Ion Ratio Lower Upper

122 100

107 111.7 93.7 140.5

121 59.8 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.269 ng

RT: 9.955 min Scan# 1193

Delta R.T. -0.018 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

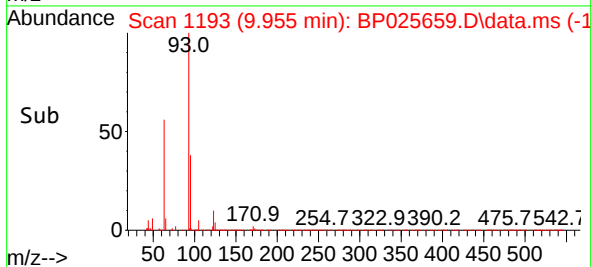
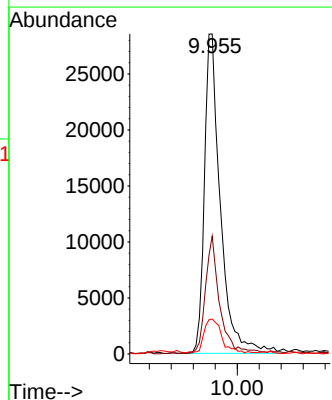
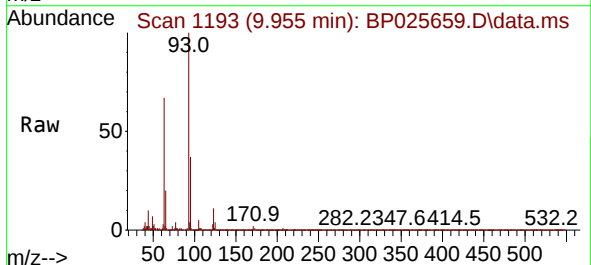
Tgt Ion: 93 Resp: 57689

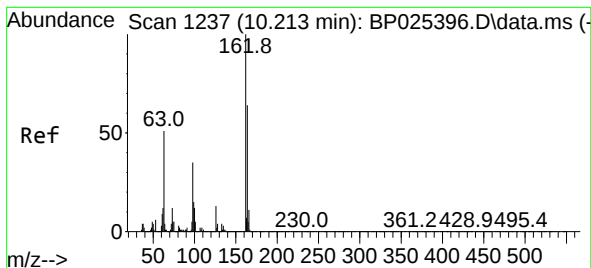
Ion Ratio Lower Upper

93 100

95 36.8 25.4 38.0

123 10.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 3.658 ng

RT: 10.225 min Scan# 1239

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

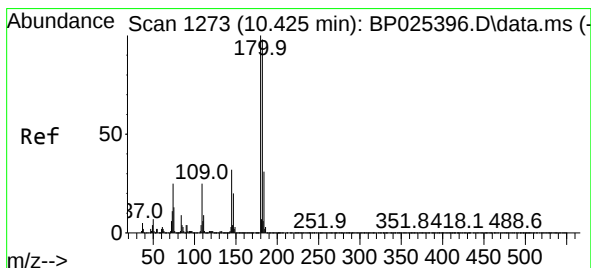
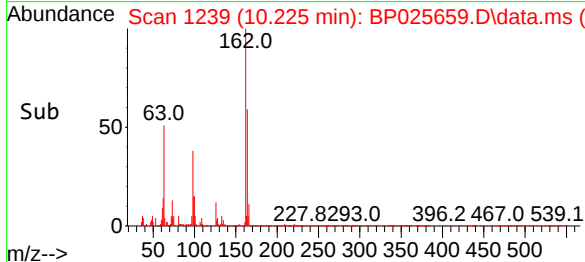
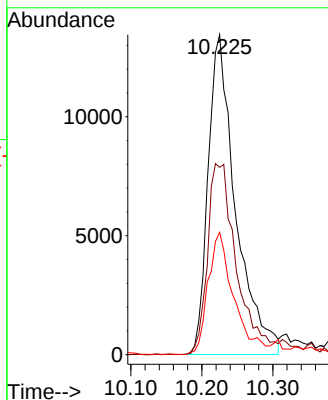
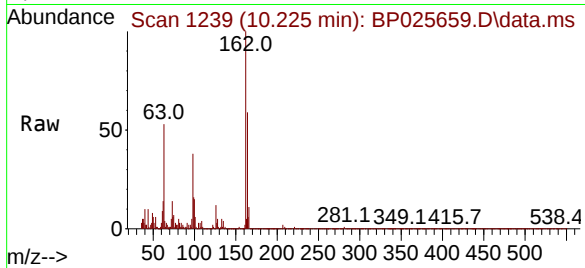
Tgt Ion:162 Resp: 36209

Ion Ratio Lower Upper

162 100

164 58.6 44.4 84.4

98 38.2 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 4.517 ng

RT: 10.402 min Scan# 1269

Delta R.T. -0.023 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

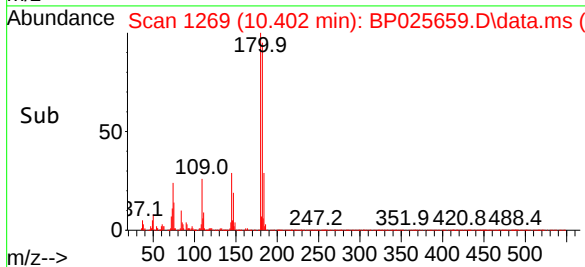
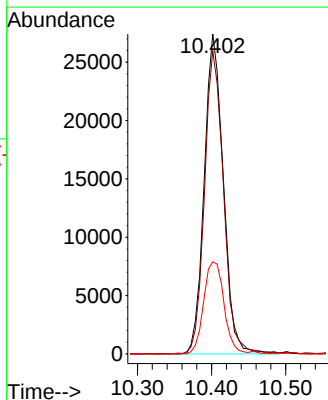
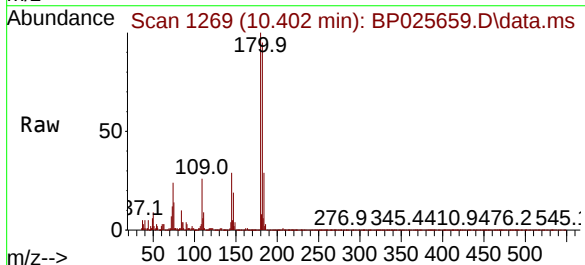
Tgt Ion:180 Resp: 49009

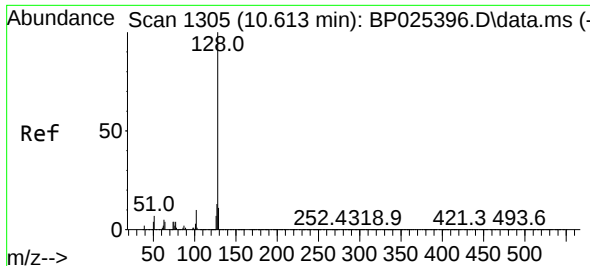
Ion Ratio Lower Upper

180 100

182 94.6 78.0 117.0

145 28.8 25.9 38.9

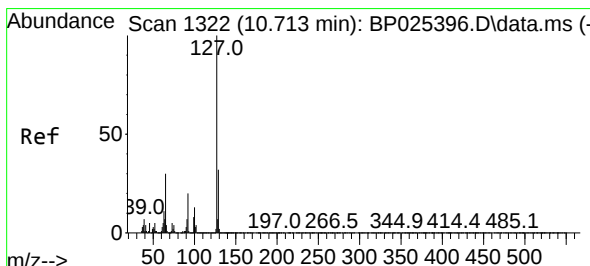
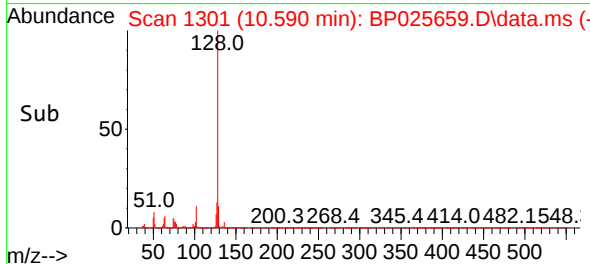
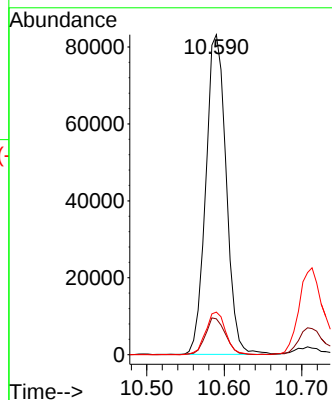
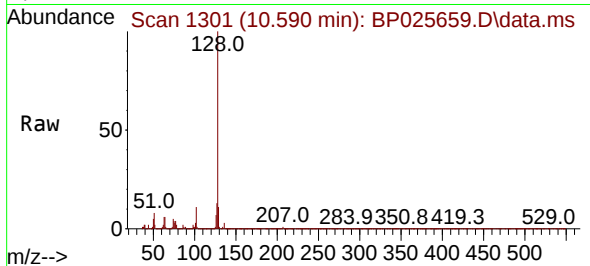




#31
Naphthalene
Concen: 4.568 ng
RT: 10.590 min Scan# 1301
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

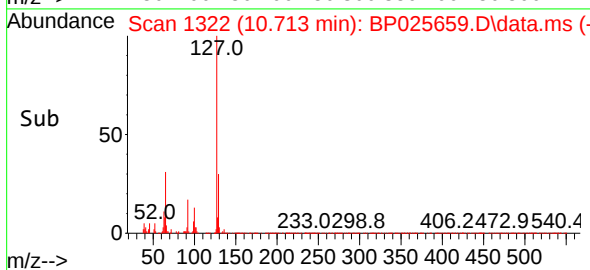
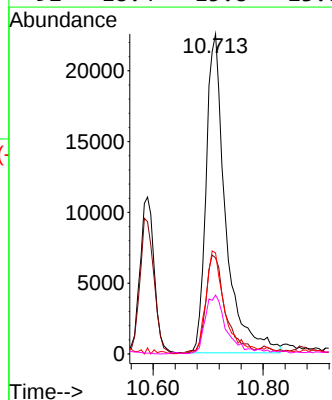
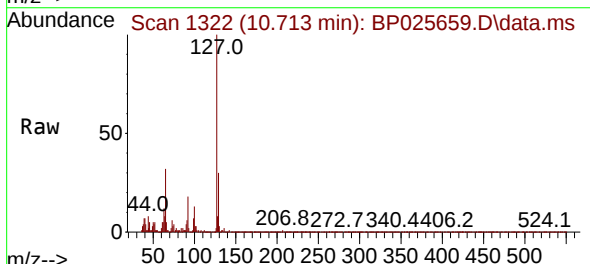
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

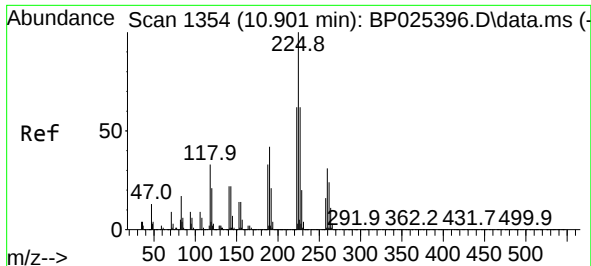
Tgt Ion:128 Resp: 151717
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.3 10.7 16.1



#33
4-Chloroaniline
Concen: 3.795 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:127 Resp: 55676
Ion Ratio Lower Upper
127 100
129 30.0 25.4 38.2
65 31.5 23.8 35.6
92 18.4 15.8 23.8

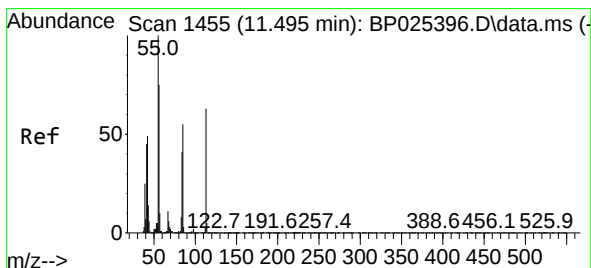
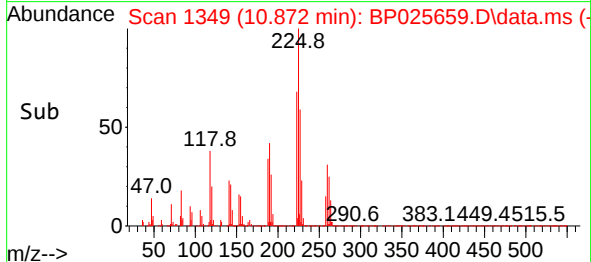
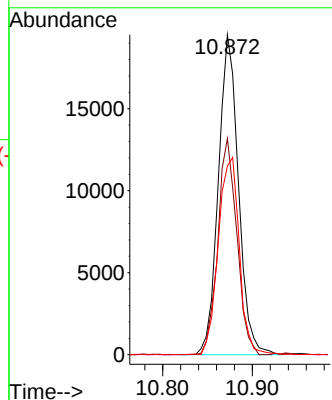
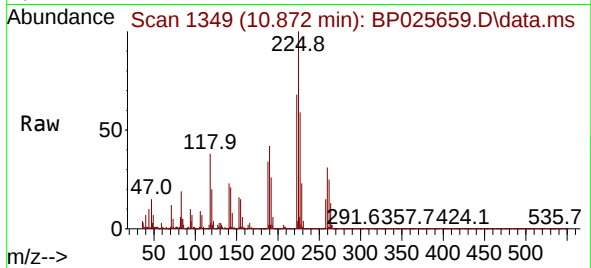




#34
Hexachlorobutadiene
Concen: 4.485 ng
RT: 10.872 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

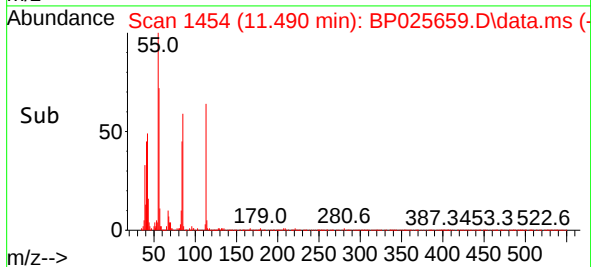
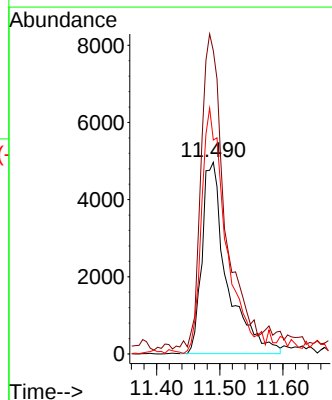
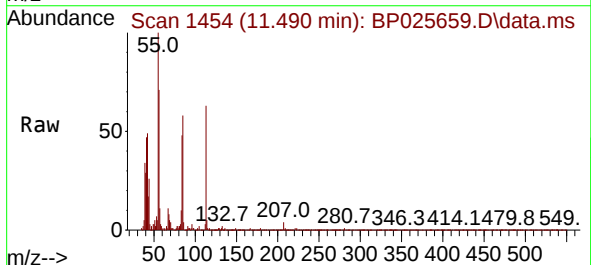
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

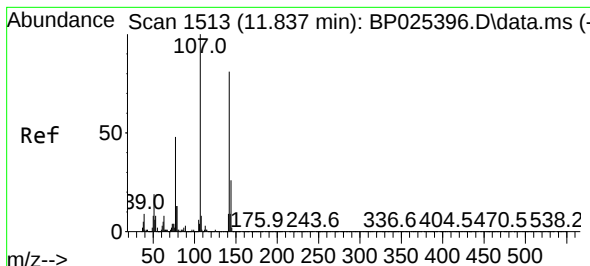
Tgt Ion:225 Resp: 30308
Ion Ratio Lower Upper
225 100
223 67.6 50.0 75.0
227 61.4 49.7 74.5



#35
Caprolactam
Concen: 3.744 ng
RT: 11.490 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:113 Resp: 13590
Ion Ratio Lower Upper
113 100
55 158.2 140.0 180.0
56 111.6 100.0 140.0

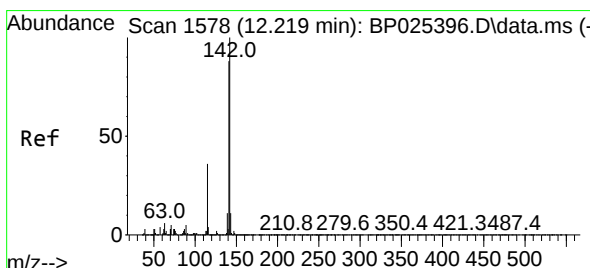
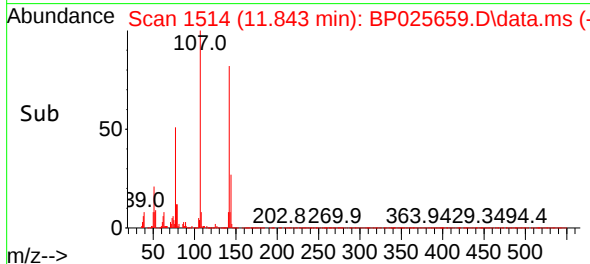
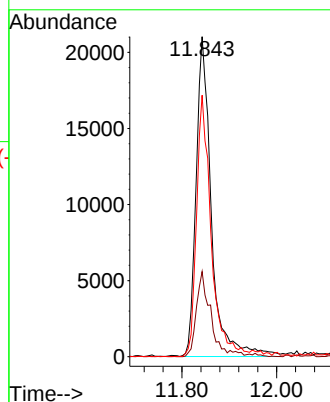
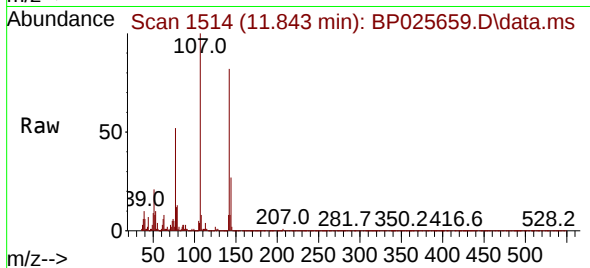




#36
4-Chloro-3-methylphenol
Concen: 4.171 ng
RT: 11.843 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

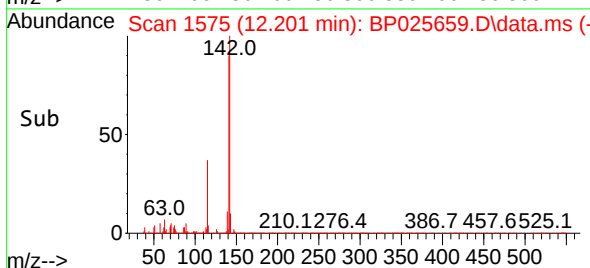
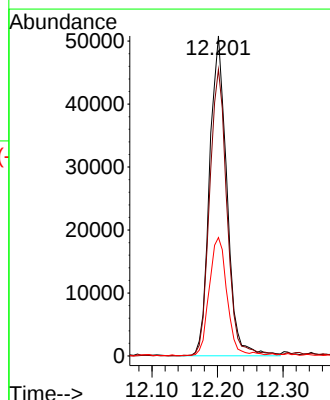
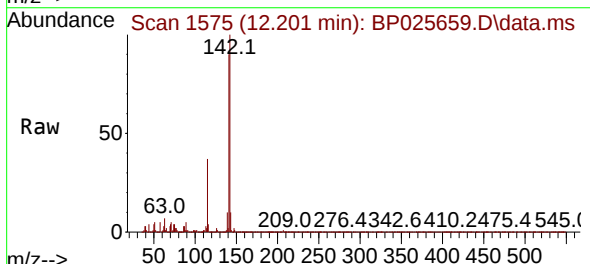
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

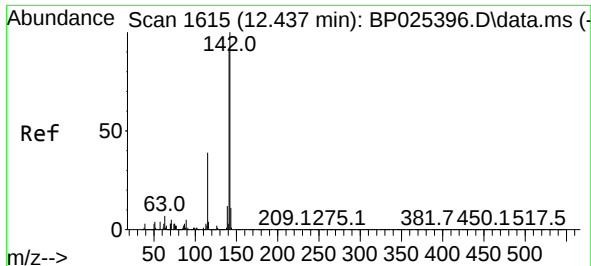
Tgt Ion:107 Resp: 47369
Ion Ratio Lower Upper
107 100
144 26.6 21.0 31.4
142 81.7 64.6 97.0



#37
2-Methylnaphthalene
Concen: 4.314 ng
RT: 12.201 min Scan# 1575
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:142 Resp: 93240
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 37.0 28.9 43.3

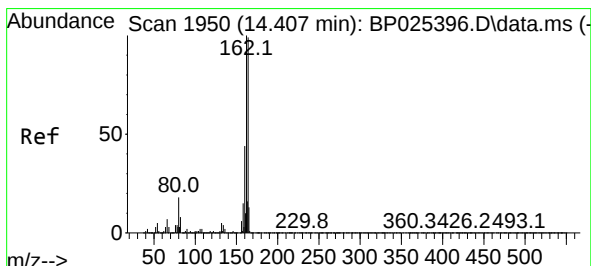
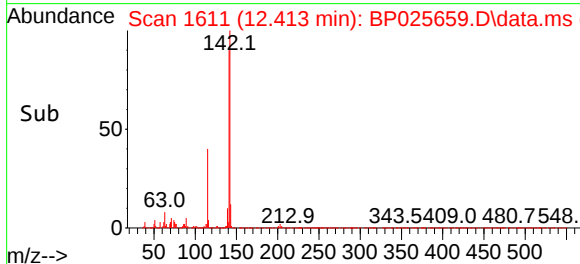
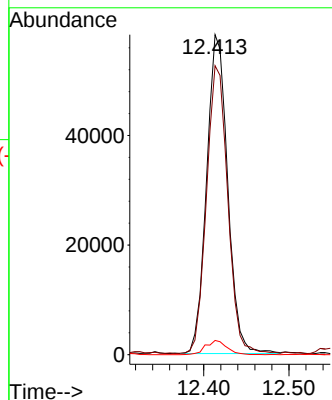
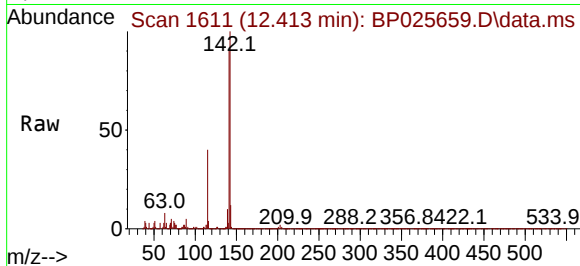




#38
1-Methylnaphthalene
Concen: 4.353 ng
RT: 12.413 min Scan# 1611
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

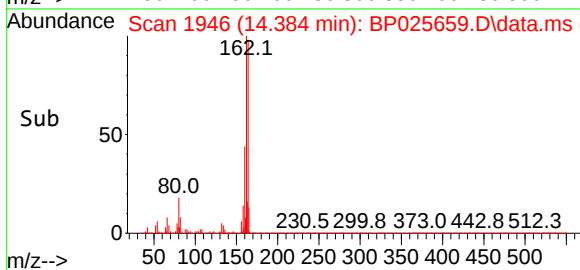
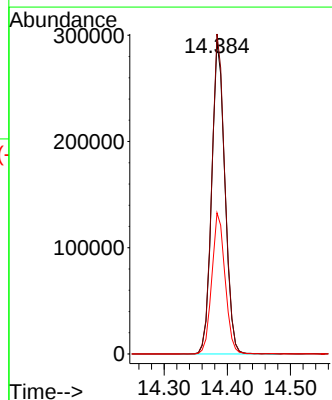
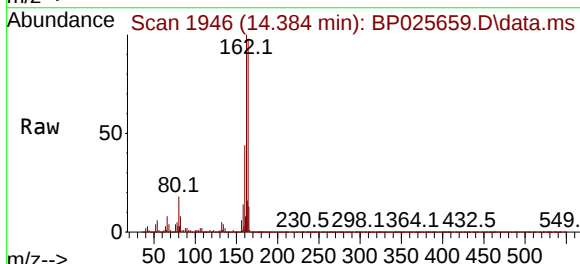
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

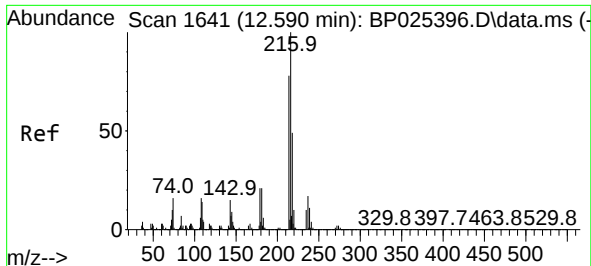
Tgt Ion:142 Resp: 100047
Ion Ratio Lower Upper
142 100
141 90.3 73.1 109.7
116 4.4 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:164 Resp: 426175
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 45.2 35.4 53.2

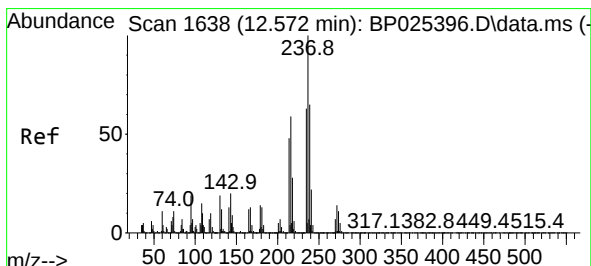
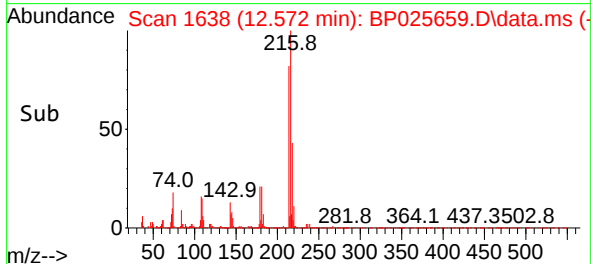
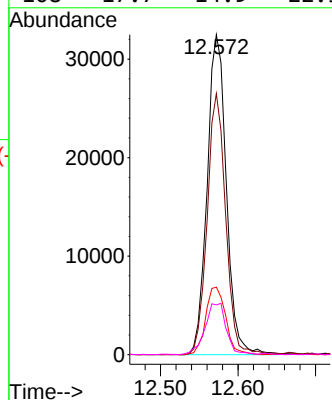
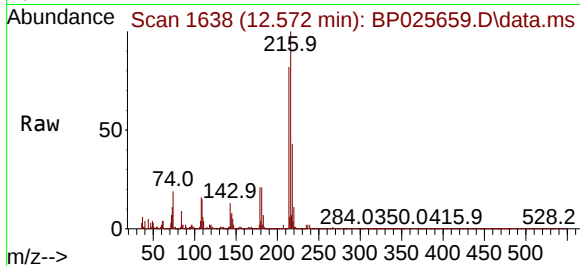




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.549 ng
RT: 12.572 min Scan# 1638
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

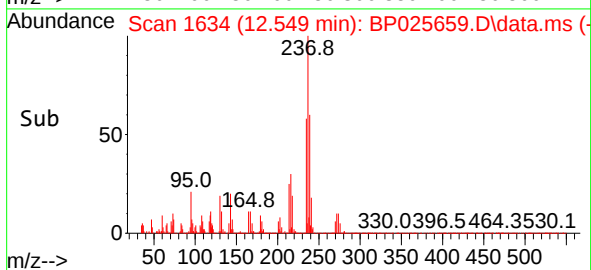
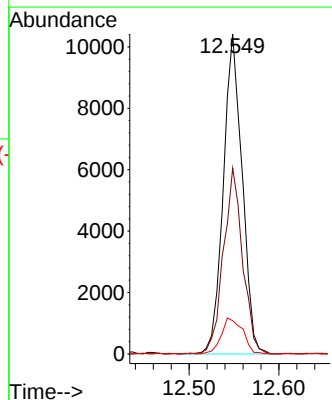
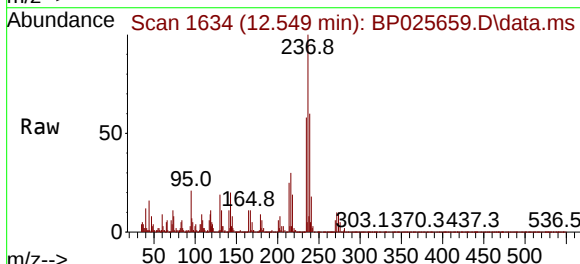
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

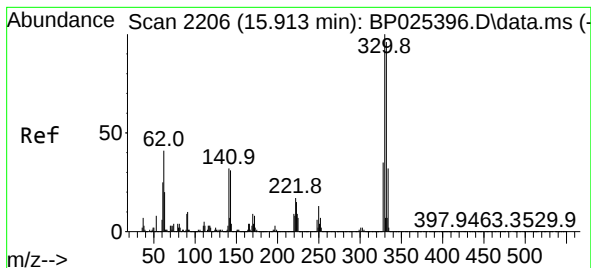
Tgt Ion:	216	Resp:	55992
Ion Ratio	Lower	Upper	
216	100		
214	78.5	63.0	94.4
179	22.1	17.1	25.7
108	17.7	14.9	22.3



#41
Hexachlorocyclopentadiene
Concen: 2.041 ng
RT: 12.549 min Scan# 1634
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:	237	Resp:	15174
Ion Ratio	Lower	Upper	
237	100		
235	58.1	42.7	82.7
272	10.4	0.0	34.0





#42

2,4,6-Tribromophenol

Concen: 125.721 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

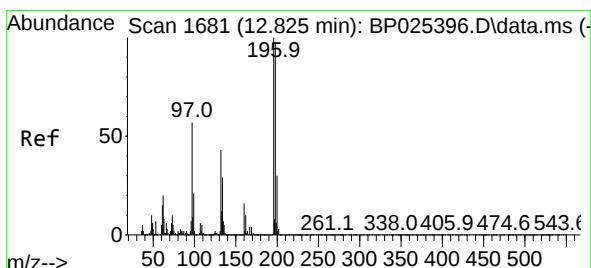
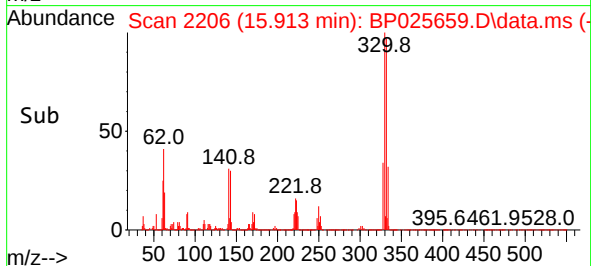
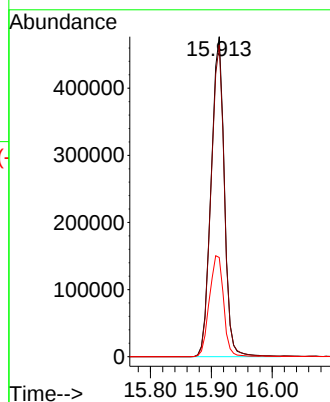
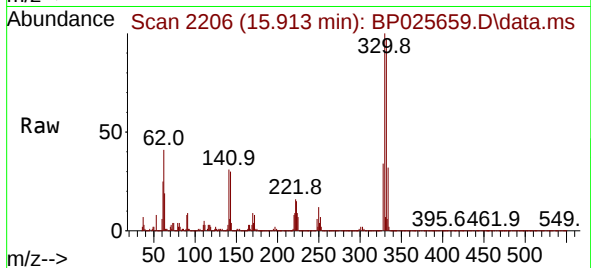
Tgt Ion:330 Resp: 721182

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

141 33.8 26.6 39.8



#43

2,4,6-Trichlorophenol

Concen: 3.856 ng

RT: 12.819 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

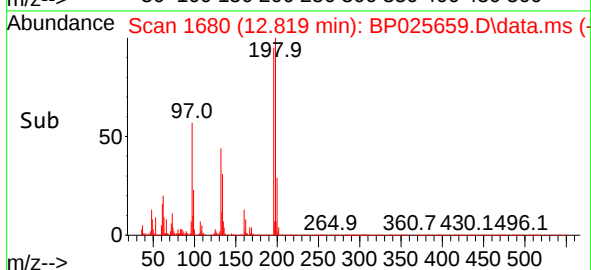
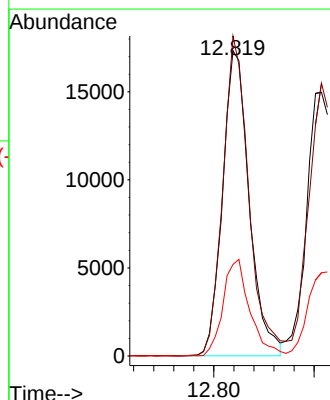
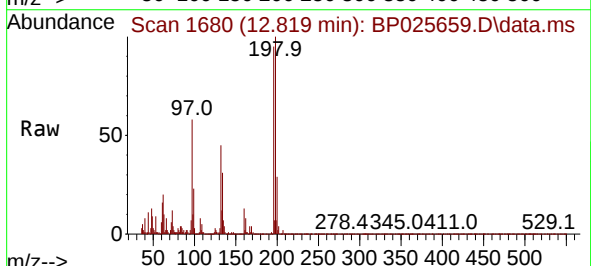
Tgt Ion:196 Resp: 32044

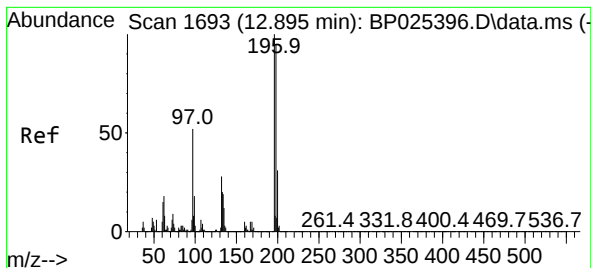
Ion Ratio Lower Upper

196 100

198 104.8 77.2 115.8

200 29.9 23.9 35.9





#44

2,4,5-Trichlorophenol

Concen: 4.002 ng

RT: 12.907 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:196 Resp: 36449

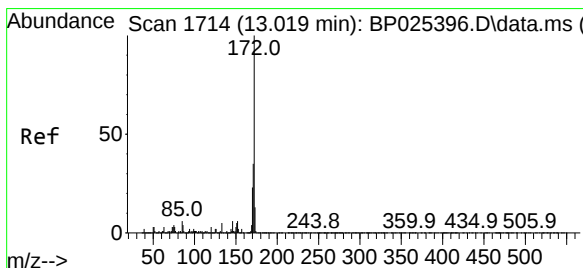
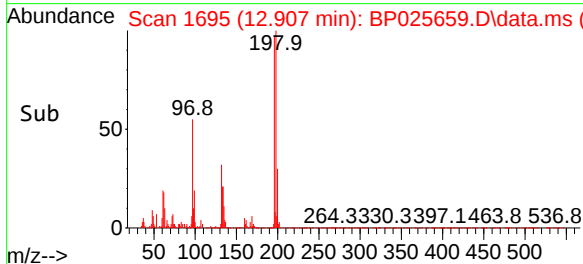
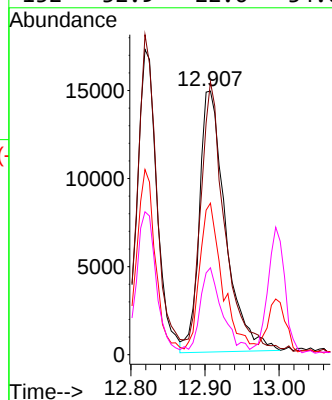
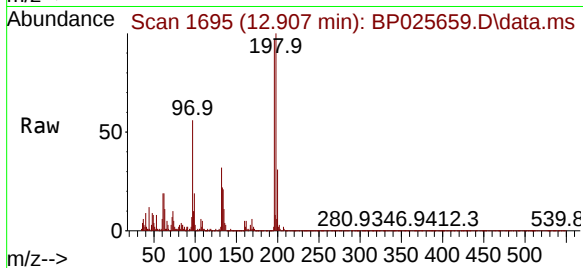
Ion Ratio Lower Upper

196 100

198 103.4 76.2 114.2

97 57.5 41.2 61.8

132 32.9 22.6 34.0



#45

2-Fluorobiphenyl

Concen: 74.145 ng

RT: 12.996 min Scan# 1710

Delta R.T. -0.023 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

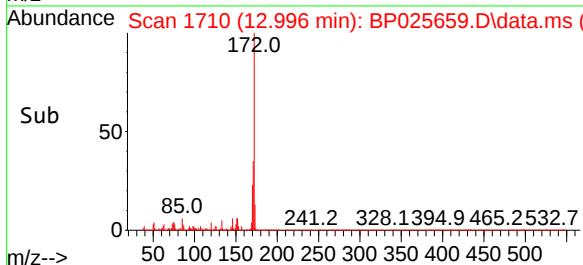
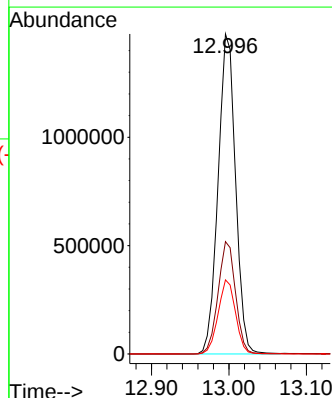
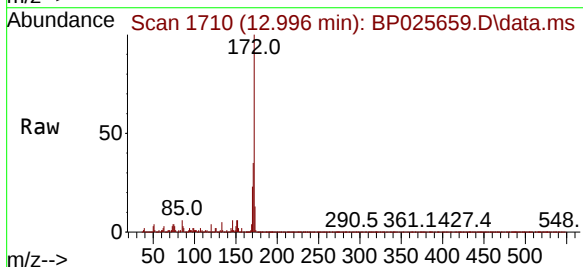
Tgt Ion:172 Resp: 2312066

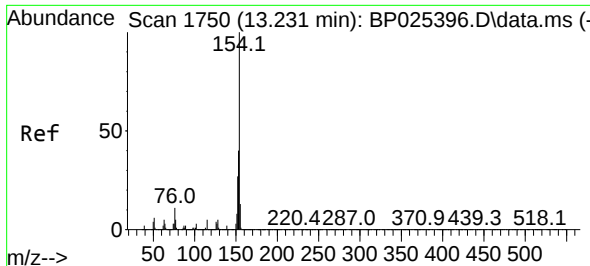
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.1 18.6 28.0

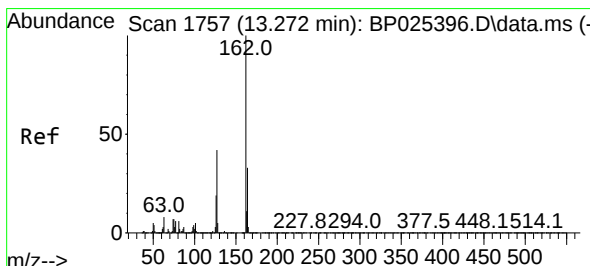
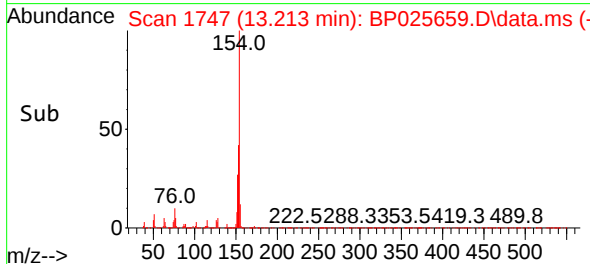
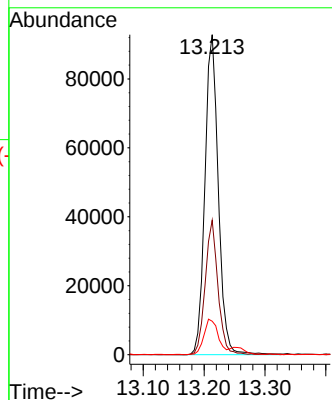
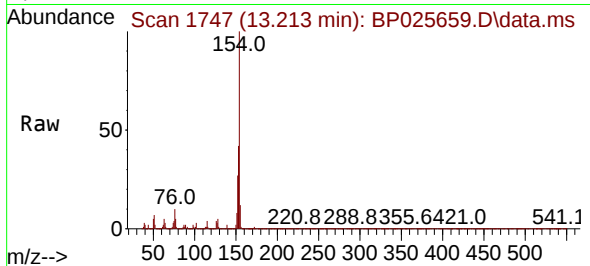




#46
1,1'-Biphenyl
Concen: 4.586 ng
RT: 13.213 min Scan# 1747
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

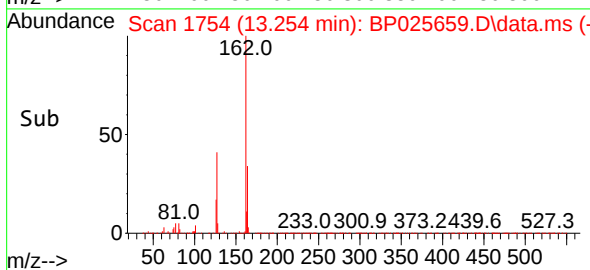
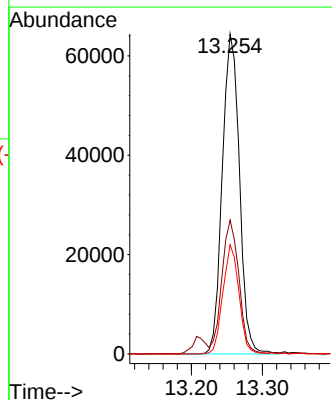
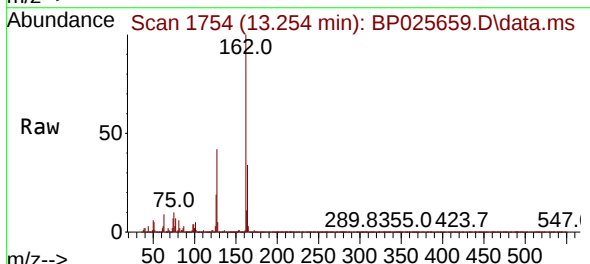
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

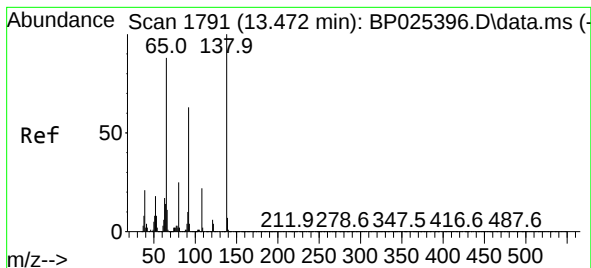
Tgt Ion:154 Resp: 141937
Ion Ratio Lower Upper
154 100
153 42.0 19.5 59.5
76 10.5 0.0 31.1



#47
2-Chloronaphthalene
Concen: 4.474 ng
RT: 13.254 min Scan# 1754
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:162 Resp: 107810
Ion Ratio Lower Upper
162 100
127 41.8 33.4 50.2
164 34.1 26.2 39.2





#48

2-Nitroaniline

Concen: 4.141 ng

RT: 13.466 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

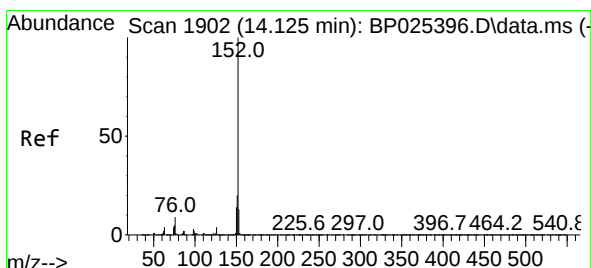
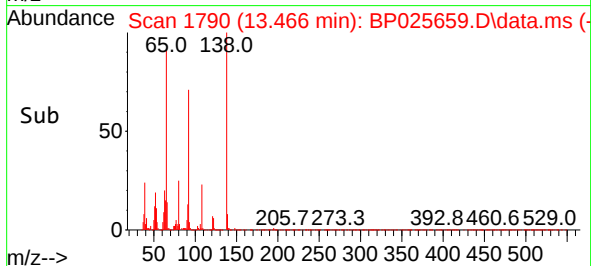
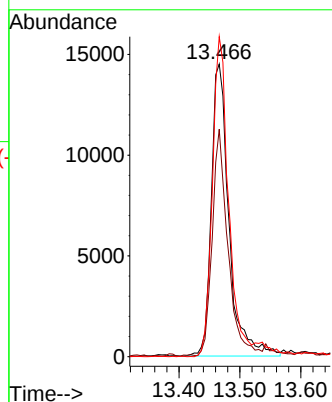
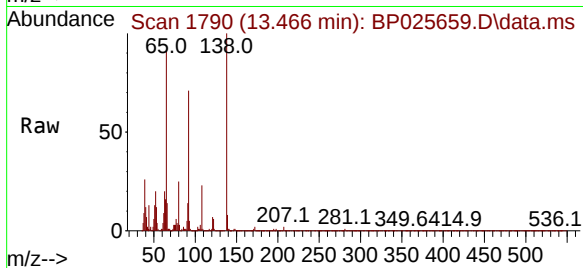
Tgt Ion: 65 Resp: 29072

Ion Ratio Lower Upper

65 100

92 77.8 57.6 86.4

138 109.4 91.0 136.6



#49

Acenaphthylene

Concen: 4.444 ng

RT: 14.107 min Scan# 1899

Delta R.T. -0.018 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

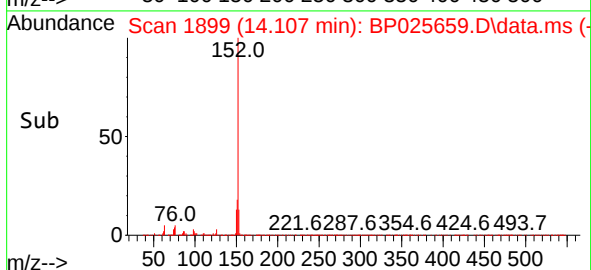
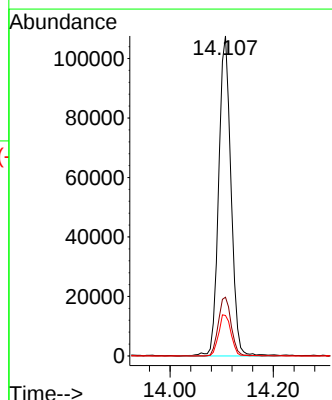
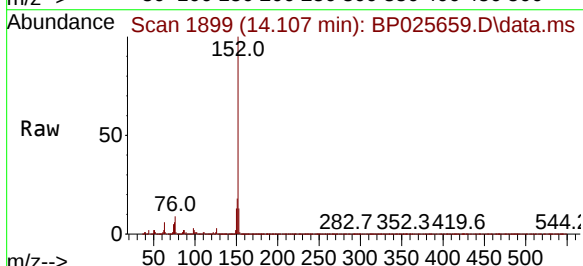
Tgt Ion: 152 Resp: 177187

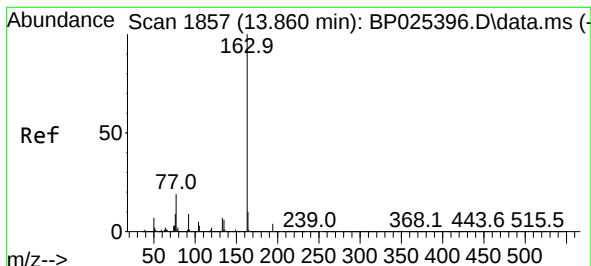
Ion Ratio Lower Upper

152 100

151 18.3 16.0 24.0

153 12.7 10.6 15.8

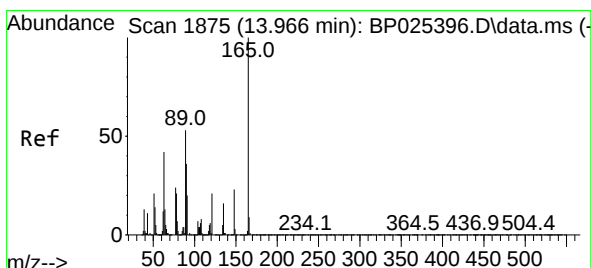
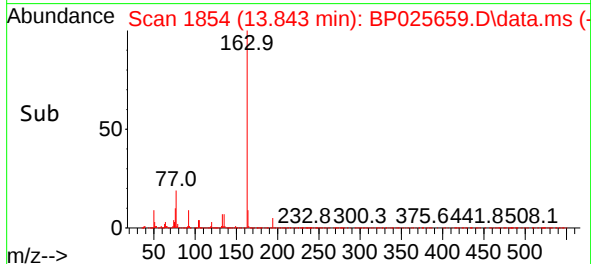
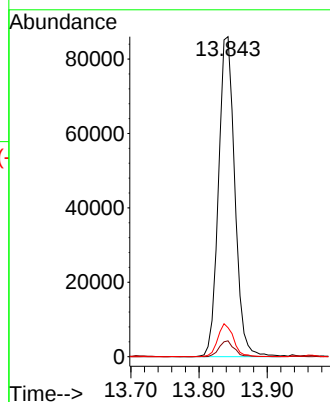
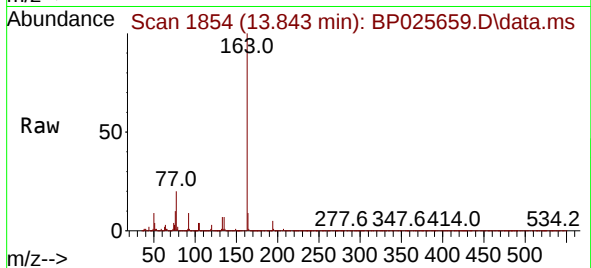




#50
Dimethylphthalate
Concen: 4.595 ng
RT: 13.843 min Scan# 1854
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

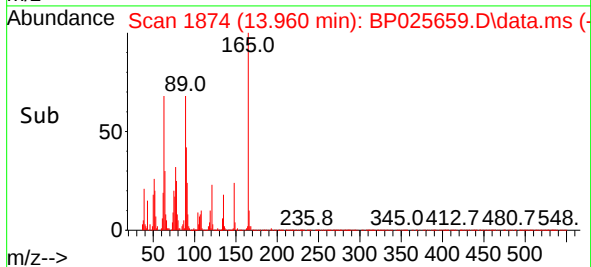
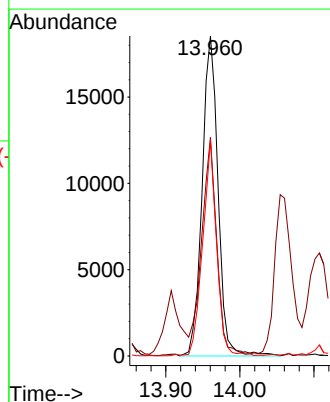
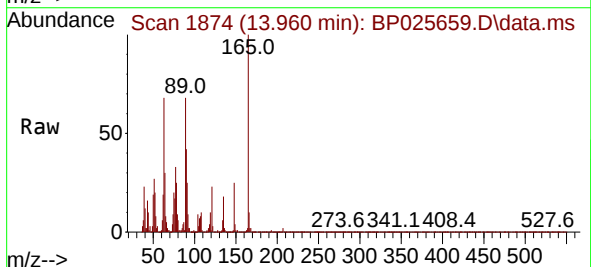
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

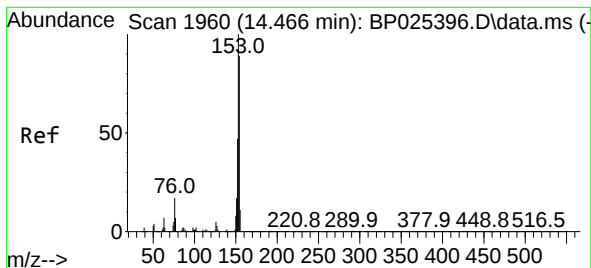
Tgt Ion:163 Resp: 143413
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.0
164 9.0 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 4.220 ng
RT: 13.960 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:165 Resp: 27759
Ion Ratio Lower Upper
165 100
63 68.3 40.9 61.3#
89 67.6 42.1 63.1#





#52

Acenaphthene

Concen: 4.399 ng

RT: 14.448 min Scan# 1960

Delta R.T. -0.018 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

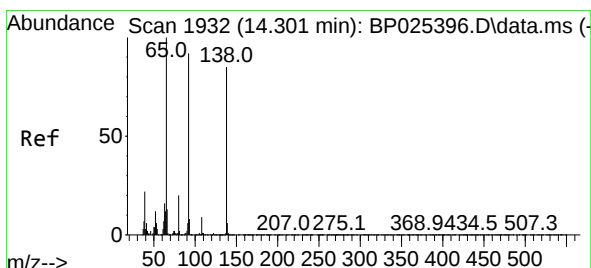
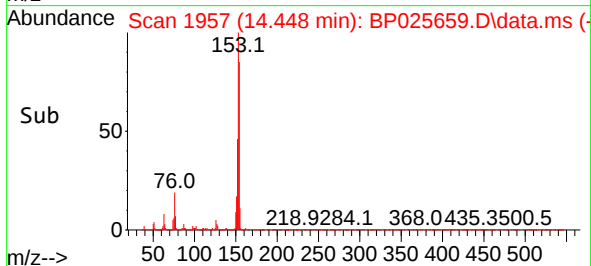
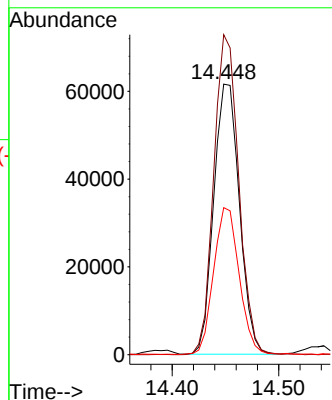
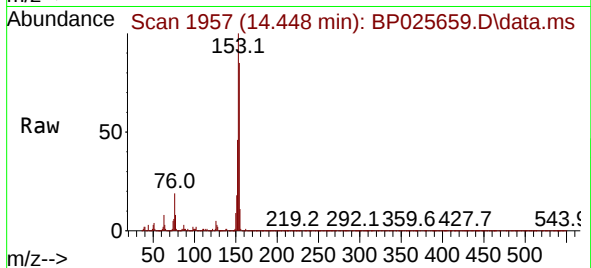
Tgt Ion:154 Resp: 102960

Ion Ratio Lower Upper

154 100

153 118.3 90.2 135.2

152 54.4 42.1 63.1



#53

3-Nitroaniline

Concen: 3.489 ng

RT: 14.301 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

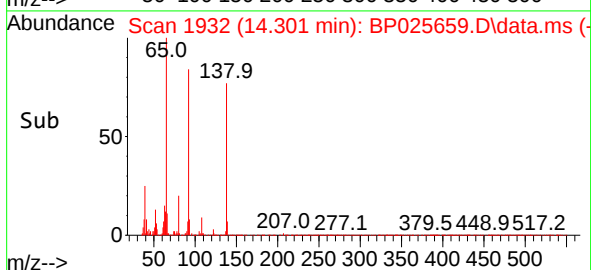
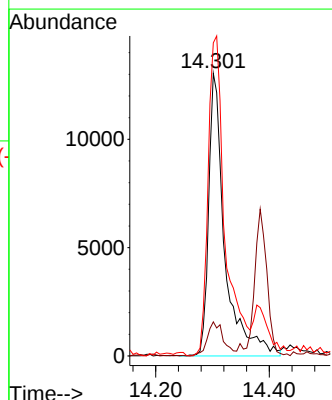
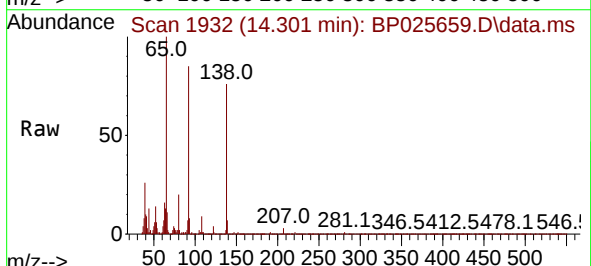
Tgt Ion:138 Resp: 25824

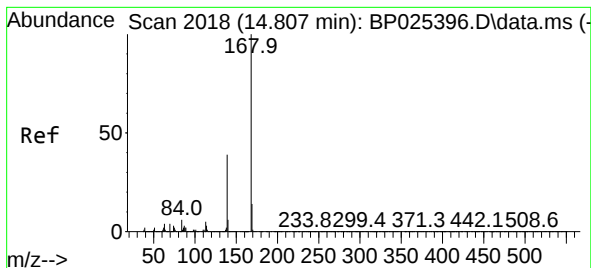
Ion Ratio Lower Upper

138 100

108 12.1 8.3 12.5

92 110.8 86.2 129.2





#55

Dibenzenofuran

Concen: 4.550 ng

RT: 14.790 min Scan# 2010

Delta R.T. -0.018 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

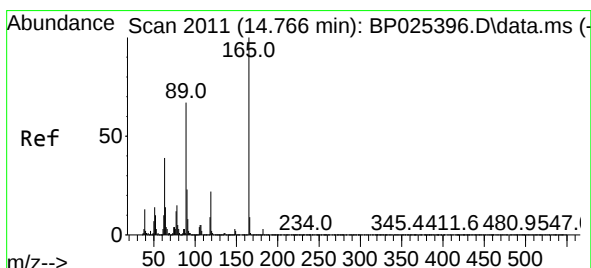
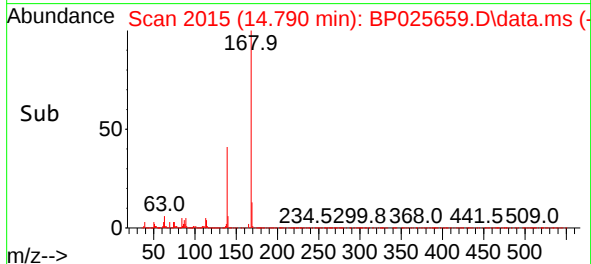
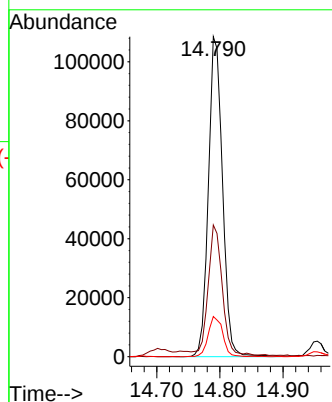
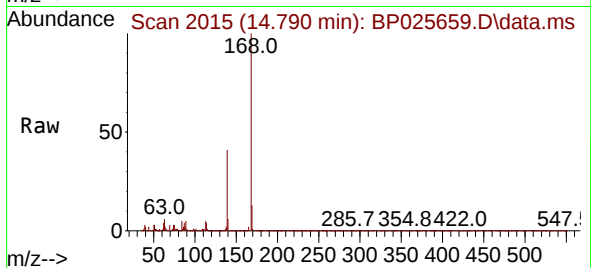
Tgt Ion:168 Resp: 168370

Ion Ratio Lower Upper

168 100

139 41.2 31.5 47.3

169 12.5 10.9 16.3



#57

2,4-Dinitrotoluene

Concen: 4.016 ng

RT: 14.760 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Tgt Ion:165 Resp: 37687

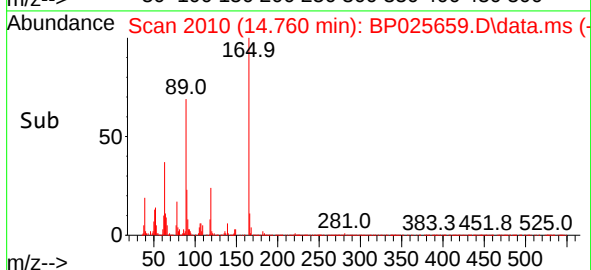
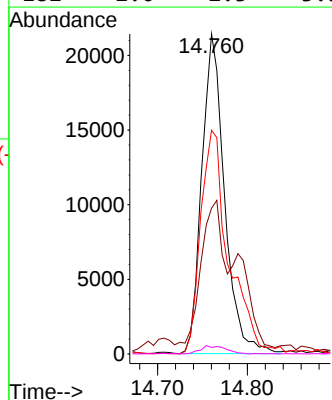
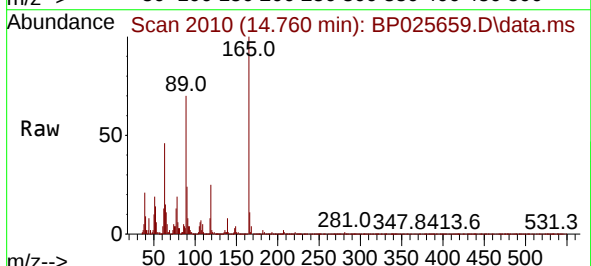
Ion Ratio Lower Upper

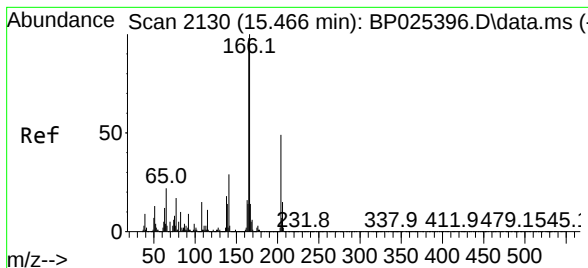
165 100

63 45.6 31.4 47.2

89 69.9 53.3 79.9

182 2.0 2.3 3.5#





#58

Fluorene

Concen: 4.631 ng

RT: 15.454 min Scan# 2130

Delta R.T. -0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

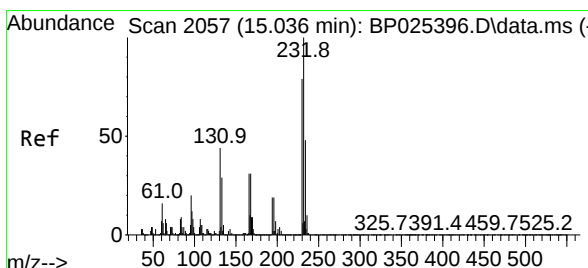
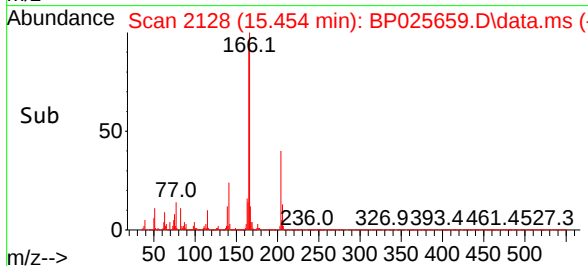
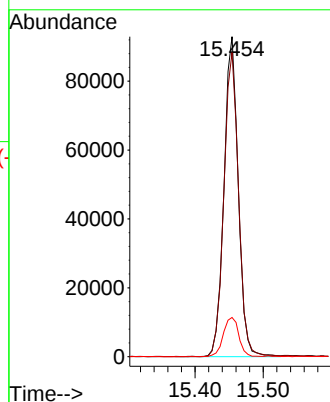
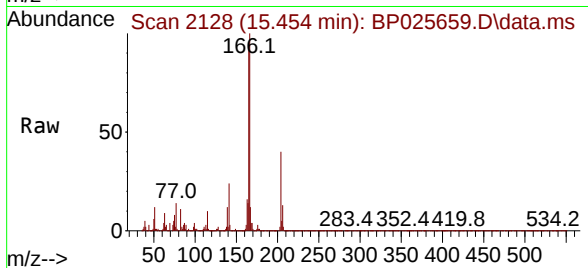
Tgt Ion:166 Resp: 135196

Ion Ratio Lower Upper

166 100

165 95.1 78.8 118.2

167 12.2 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.079 ng

RT: 15.031 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Tgt Ion:232 Resp: 32797

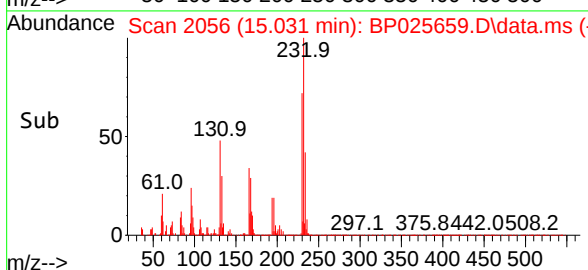
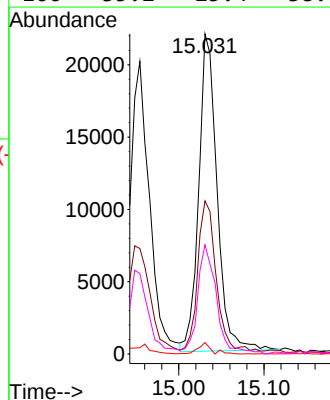
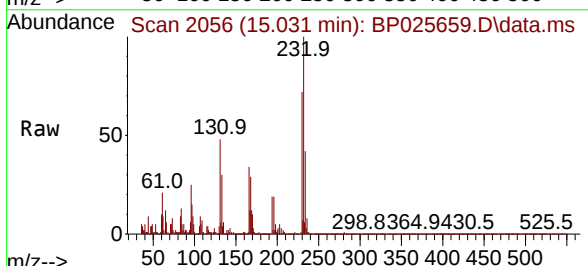
Ion Ratio Lower Upper

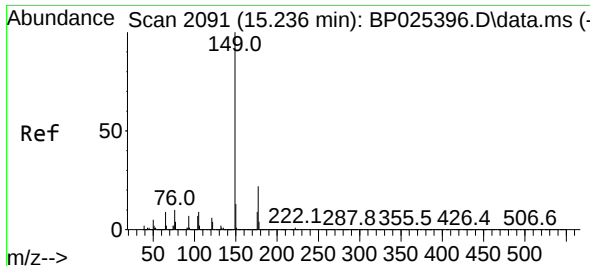
232 100

131 47.8 37.0 55.6

130 2.7 1.9 2.9

166 35.2 25.4 38.0

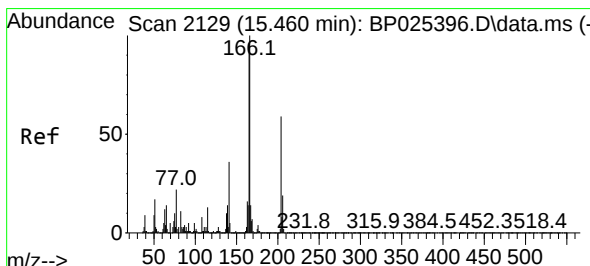
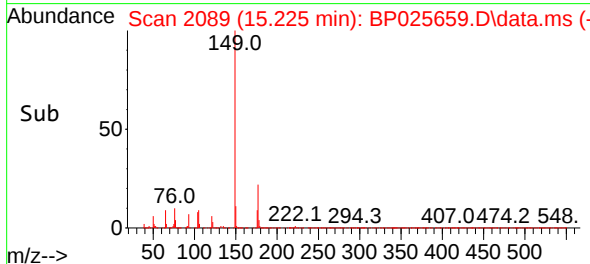
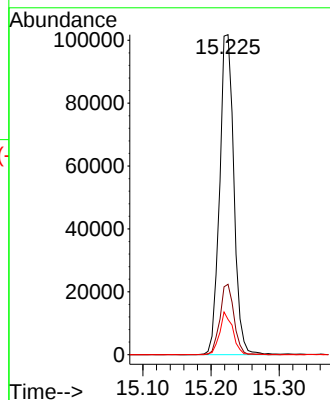
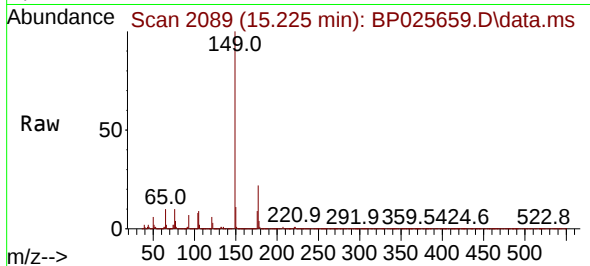




#60
Diethylphthalate
Concen: 4.676 ng
RT: 15.225 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

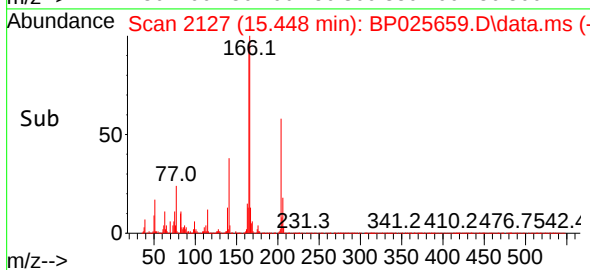
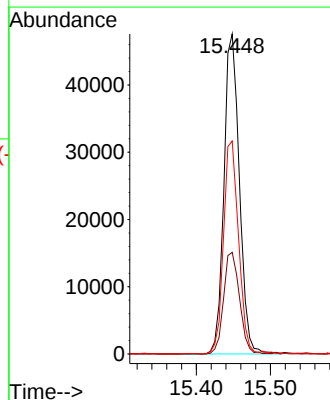
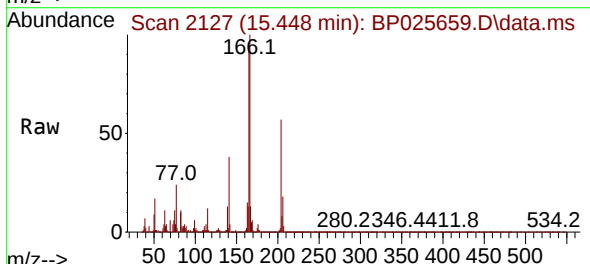
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

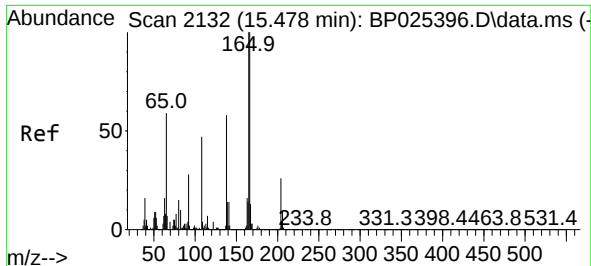
Tgt Ion:149 Resp: 148274
Ion Ratio Lower Upper
149 100
177 22.0 17.3 25.9
150 11.0 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 4.735 ng
RT: 15.448 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:204 Resp: 68751
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 66.6 49.4 74.2

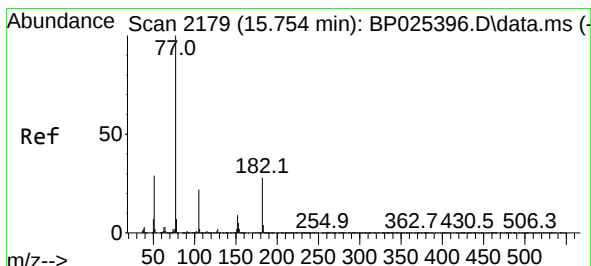
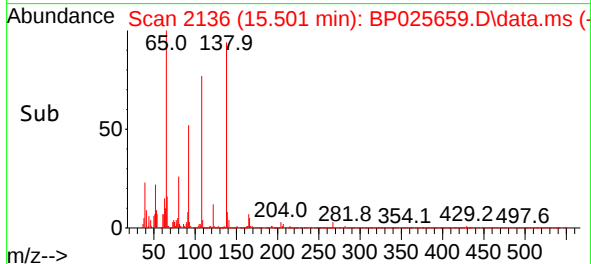
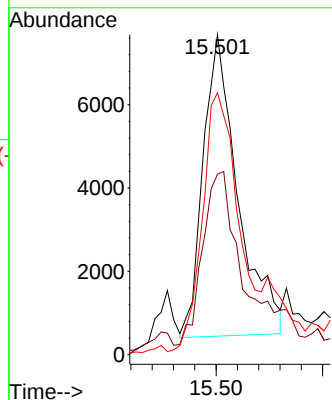
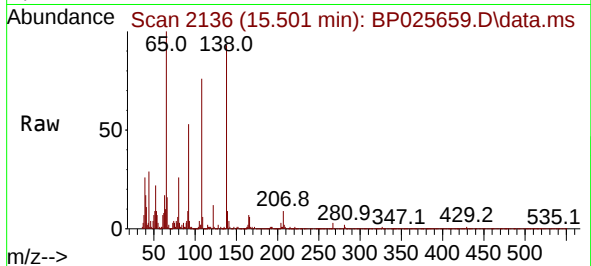




#62
4-Nitroaniline
Concen: 2.166 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

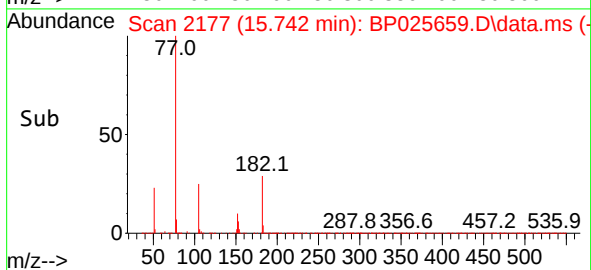
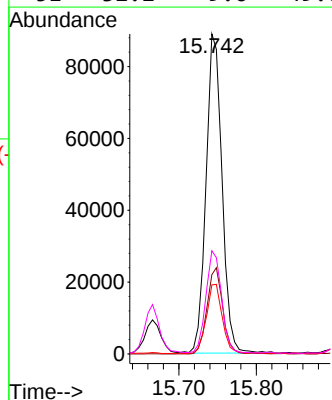
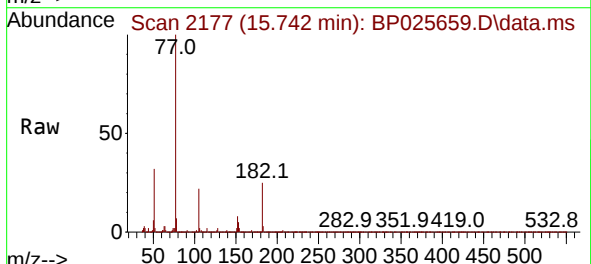
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

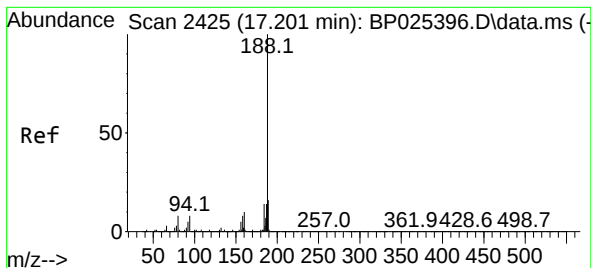
Tgt Ion:138 Resp: 16431
Ion Ratio Lower Upper
138 100
92 56.4 29.1 69.1
108 81.9 61.5 101.5



#63
Azobenzene
Concen: 4.695 ng
RT: 15.742 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion: 77 Resp: 127483
Ion Ratio Lower Upper
77 100
182 24.8 7.5 47.5
105 21.6 2.1 42.1
51 32.2 9.6 49.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

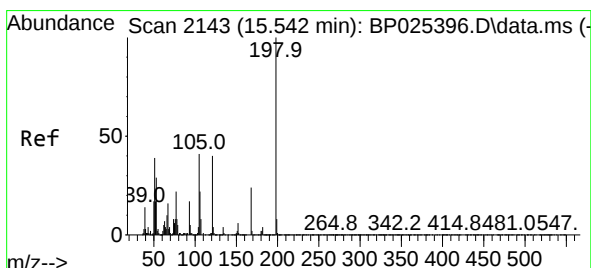
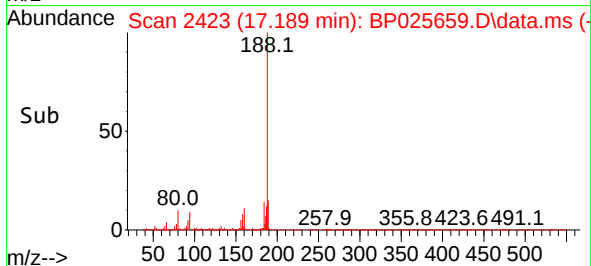
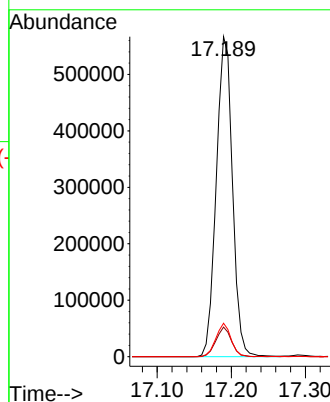
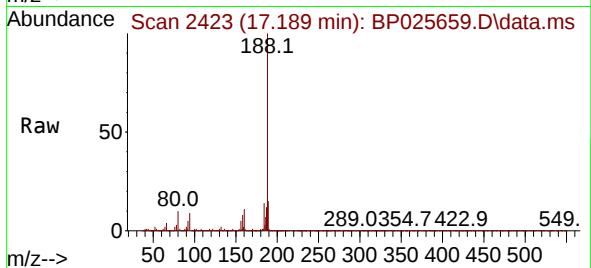
Tgt Ion:188 Resp: 858681

Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

80 10.5 6.7 10.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.082 ng

RT: 15.554 min Scan# 2145

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

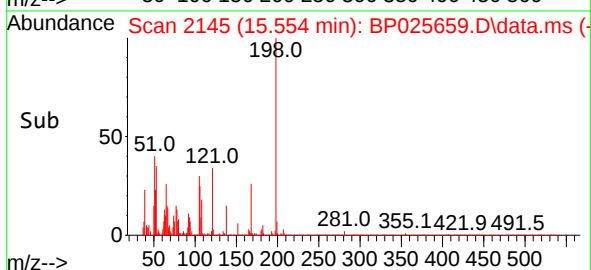
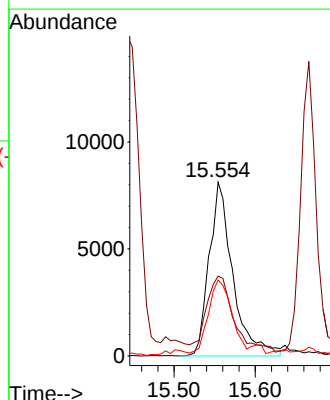
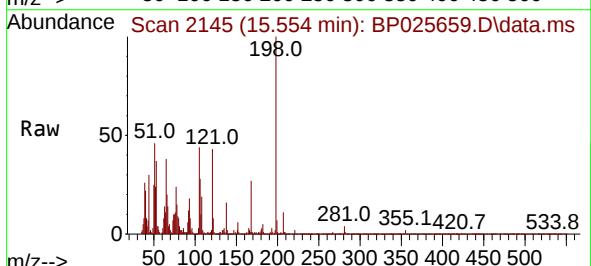
Tgt Ion:198 Resp: 16496

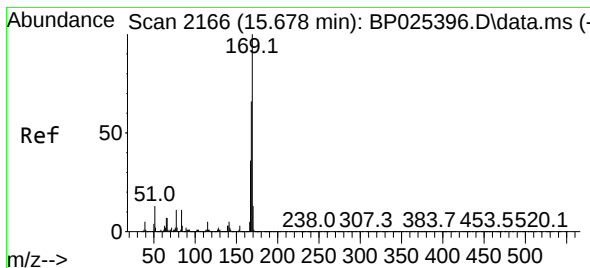
Ion Ratio Lower Upper

198 100

51 45.9 19.6 59.6

105 43.6 20.9 60.9





#66

n-Nitrosodiphenylamine

Concen: 4.524 ng

RT: 15.666 min Scan# 2166

Delta R.T. -0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

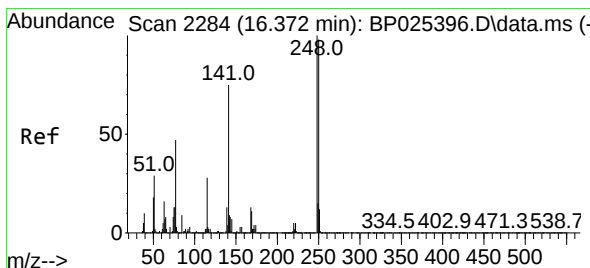
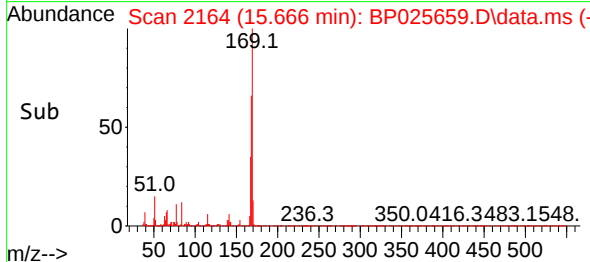
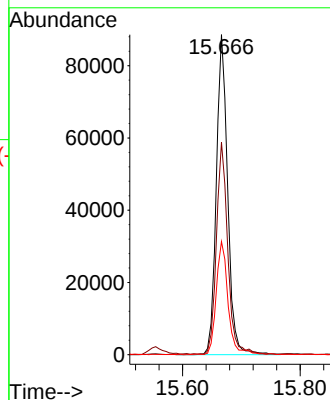
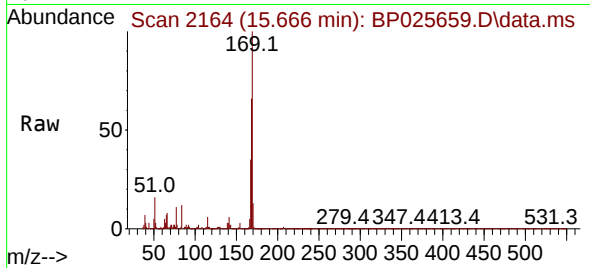
Tgt Ion:169 Resp: 118451

Ion Ratio Lower Upper

169 100

168 66.3 53.2 79.8

167 35.3 28.7 43.1



#67

4-Bromophenyl-phenylether

Concen: 4.570 ng

RT: 16.366 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

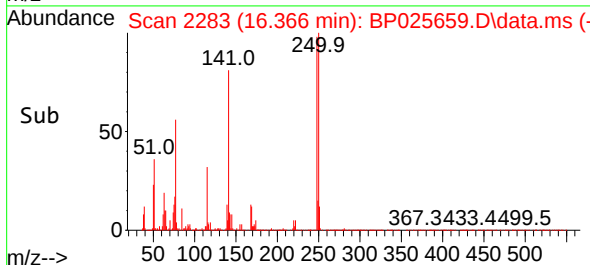
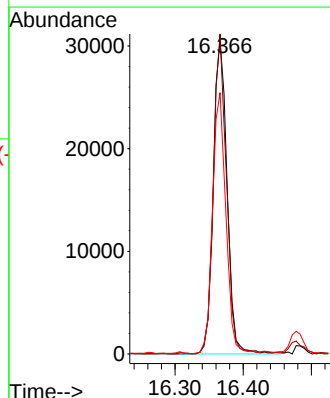
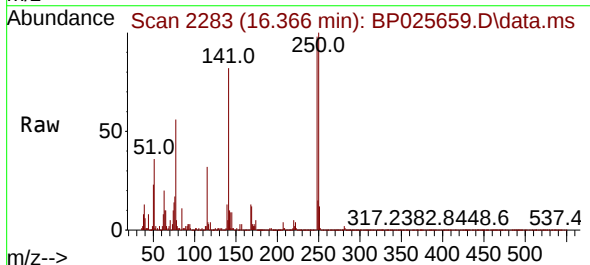
Tgt Ion:248 Resp: 43159

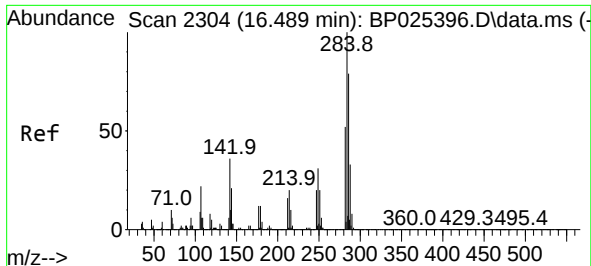
Ion Ratio Lower Upper

248 100

250 102.1 78.2 117.2

141 83.4 59.6 89.4

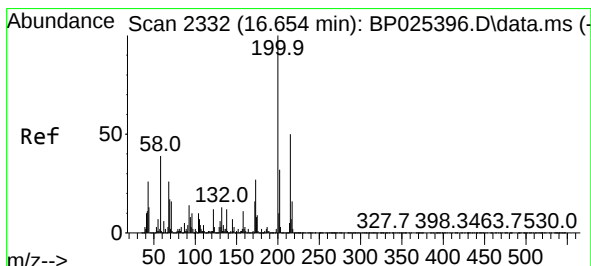
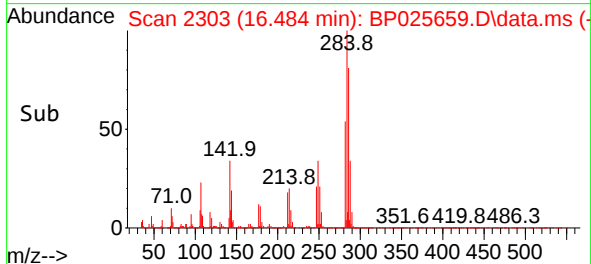
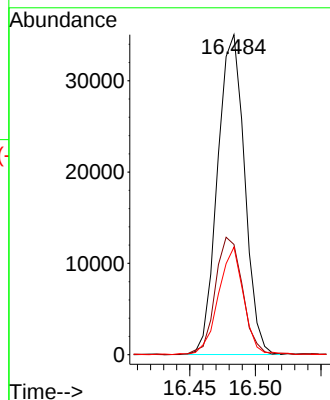
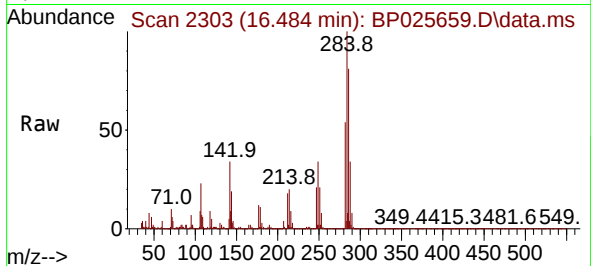




#68
Hexachlorobenzene
Concen: 4.590 ng
RT: 16.484 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

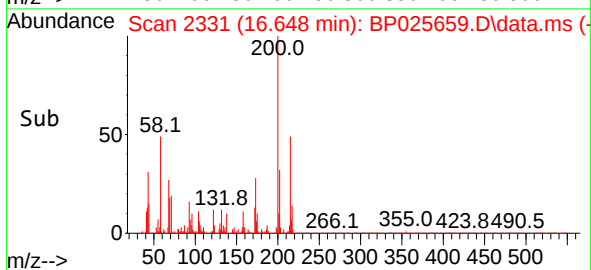
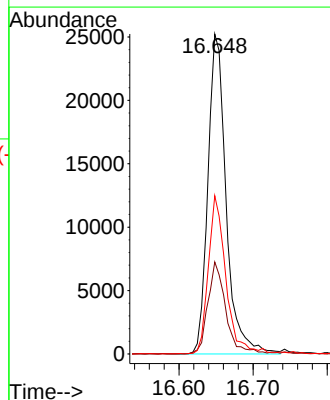
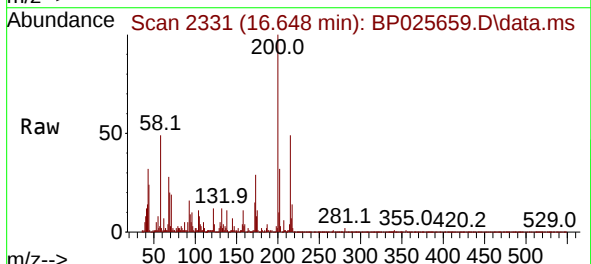
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

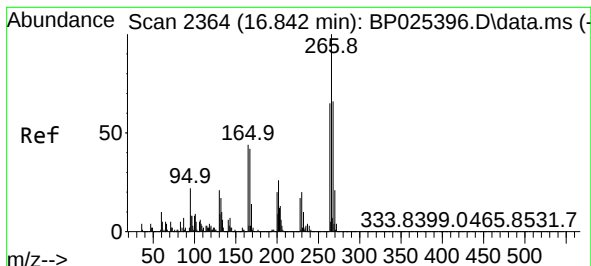
Tgt Ion:284 Resp: 50252
Ion Ratio Lower Upper
284 100
142 34.5 29.1 43.7
249 33.6 25.0 37.4



#69
Atrazine
Concen: 4.399 ng
RT: 16.648 min Scan# 2331
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:200 Resp: 43134
Ion Ratio Lower Upper
200 100
173 28.7 6.7 46.7
215 49.4 29.7 69.7





#70

Pentachlorophenol

Concen: 3.563 ng

RT: 16.854 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

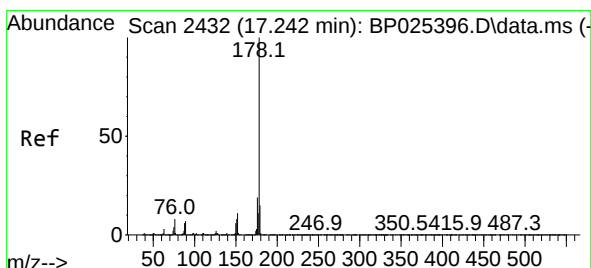
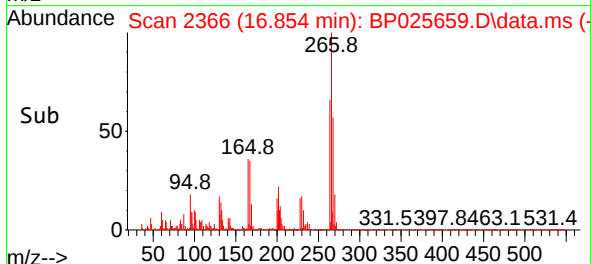
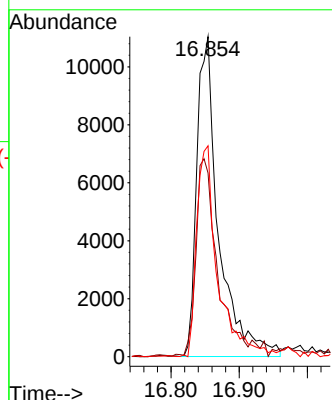
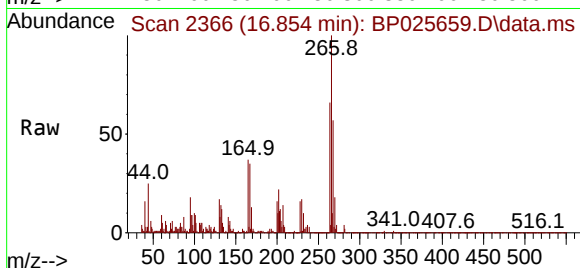
Tgt Ion:266 Resp: 24624

Ion Ratio Lower Upper

266 100

268 57.4 52.6 79.0

264 65.9 52.0 78.0



#71

Phenanthrene

Concen: 4.555 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

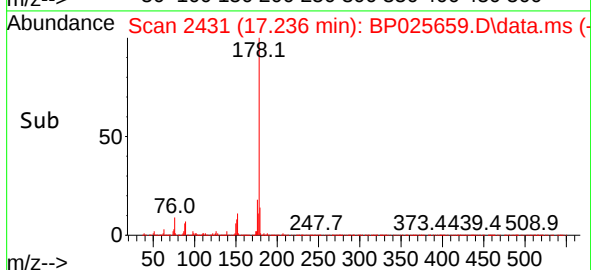
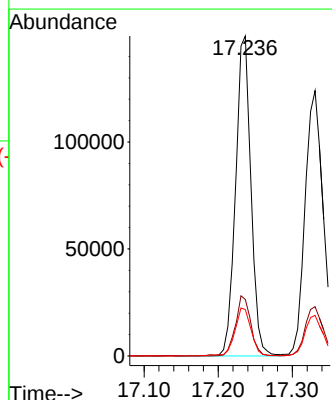
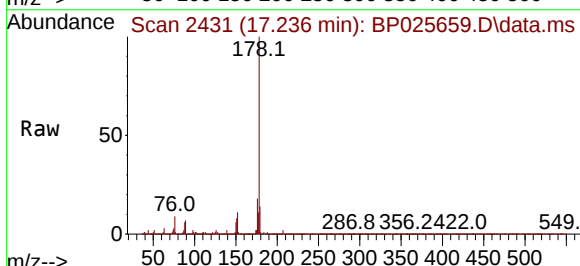
Tgt Ion:178 Resp: 214879

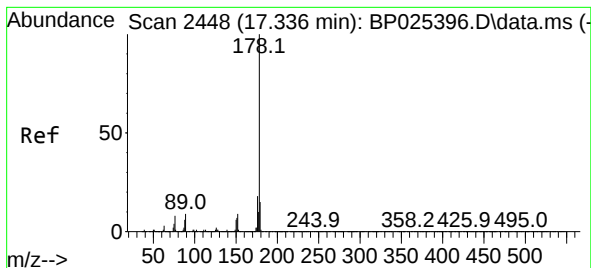
Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

179 14.5 12.2 18.4





#72

Anthracene

Concen: 4.451 ng

RT: 17.331 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

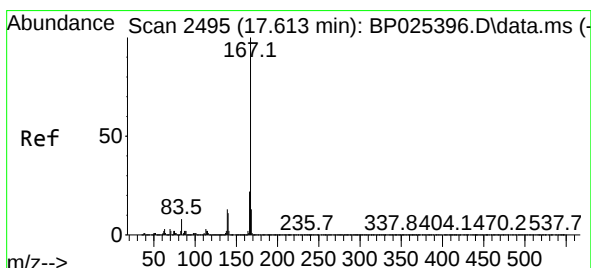
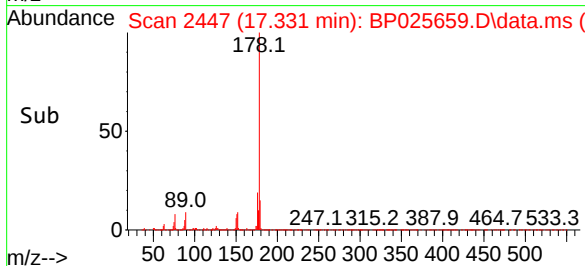
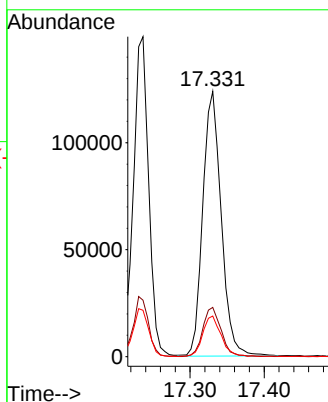
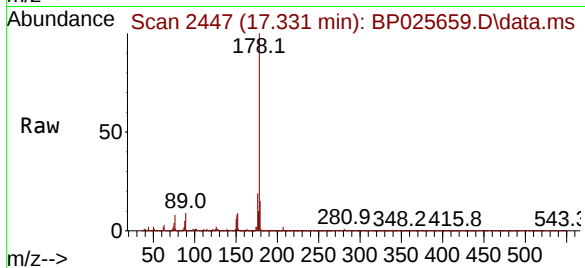
Tgt Ion:178 Resp: 214393

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.3 12.2 18.2



#73

Carbazole

Concen: 4.200 ng

RT: 17.613 min Scan# 2495

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

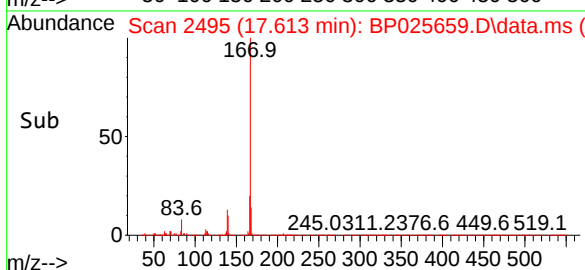
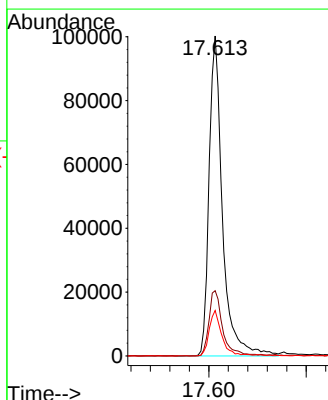
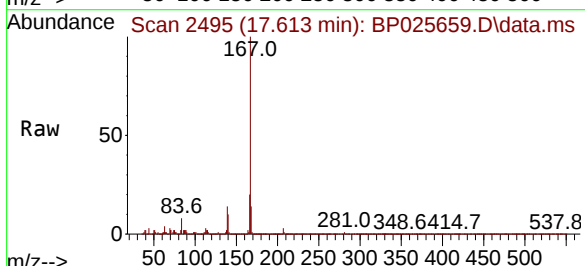
Tgt Ion:167 Resp: 190582

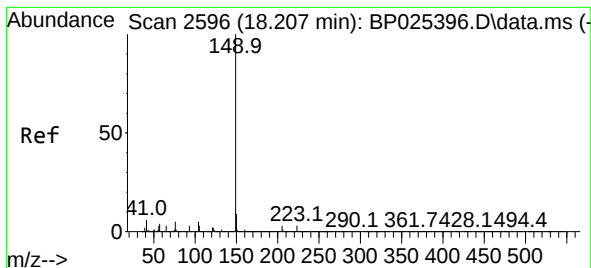
Ion Ratio Lower Upper

167 100

166 20.4 17.5 26.3

139 14.2 10.6 16.0





#74

Di-n-butylphthalate

Concen: 4.405 ng

RT: 18.201 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

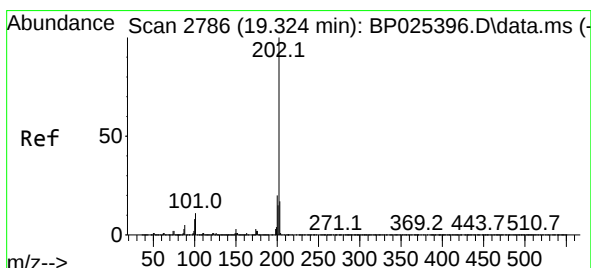
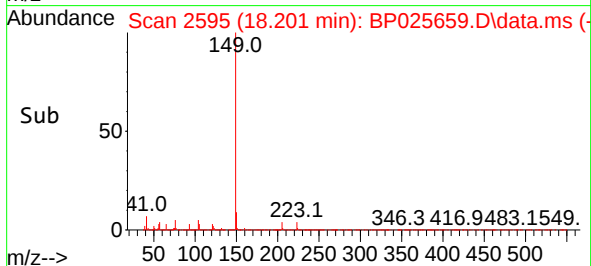
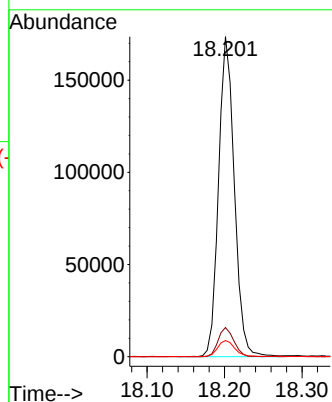
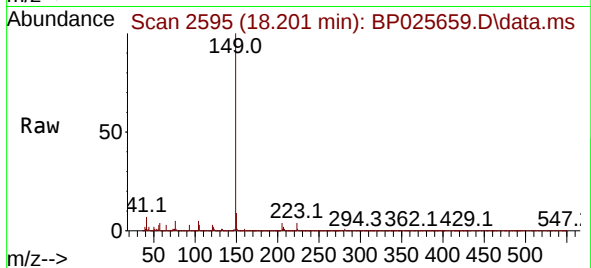
Tgt Ion:149 Resp: 245902

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.1 4.2 6.2



#75

Fluoranthene

Concen: 4.417 ng

RT: 19.331 min Scan# 2787

Delta R.T. 0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

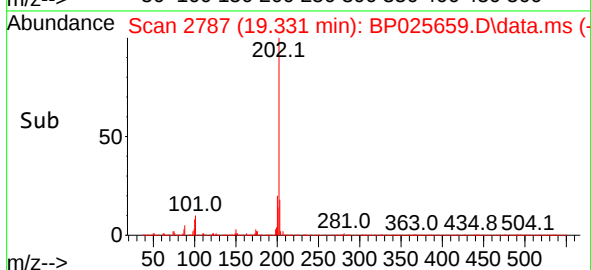
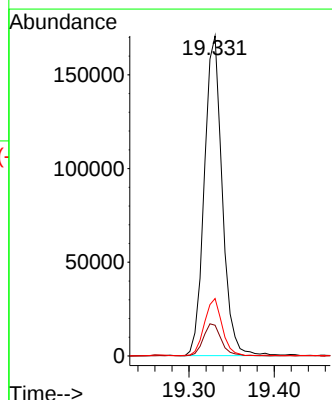
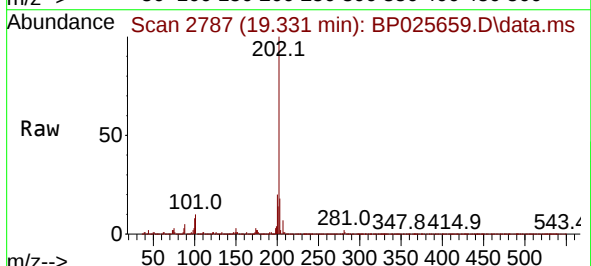
Tgt Ion:202 Resp: 248530

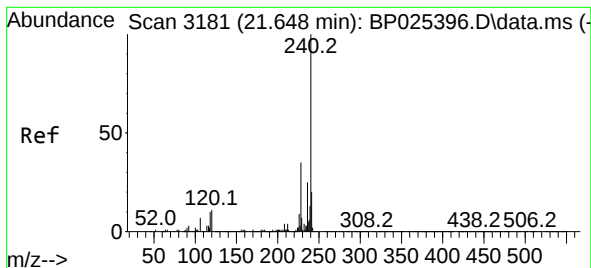
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.1

203 18.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

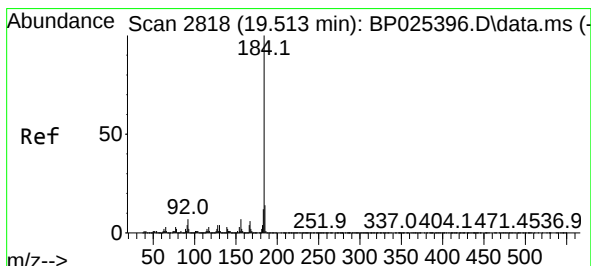
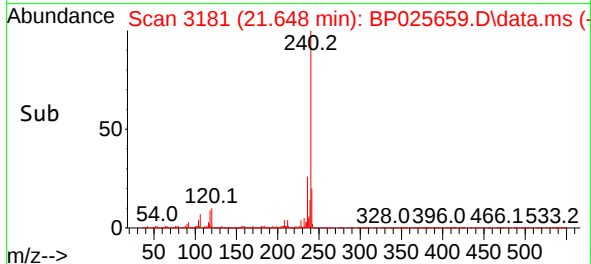
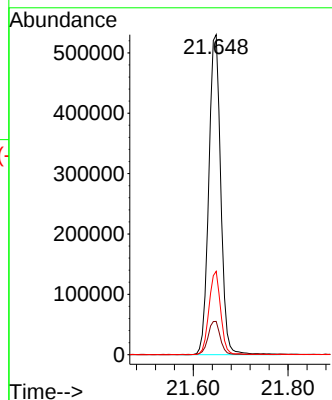
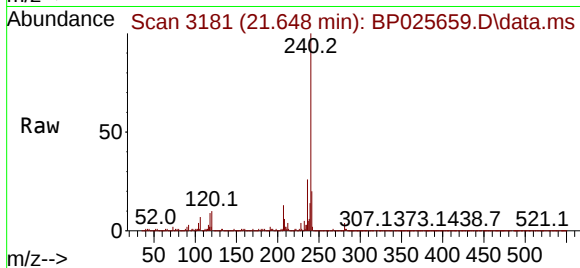
Tgt Ion:240 Resp: 928786

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

236 26.1 19.8 29.8



#77

Benzidine

Concen: 3.611 ng

RT: 19.525 min Scan# 2820

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

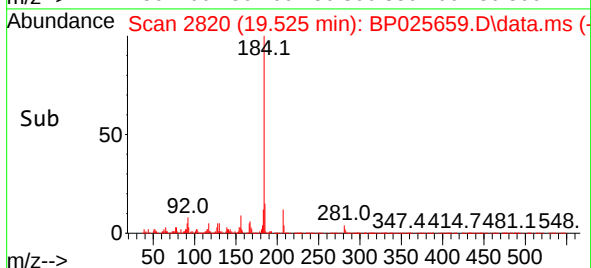
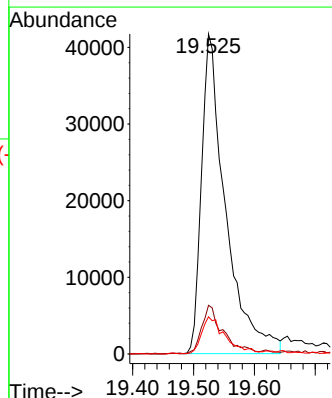
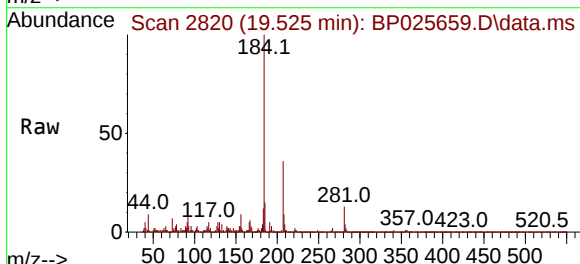
Tgt Ion:184 Resp: 114459

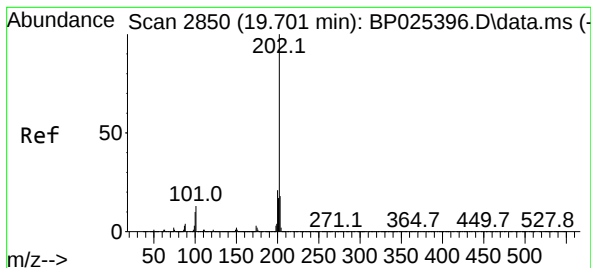
Ion Ratio Lower Upper

184 100

185 15.2 11.5 17.3

183 11.6 9.4 14.2





#78

Pyrene

Concen: 4.350 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

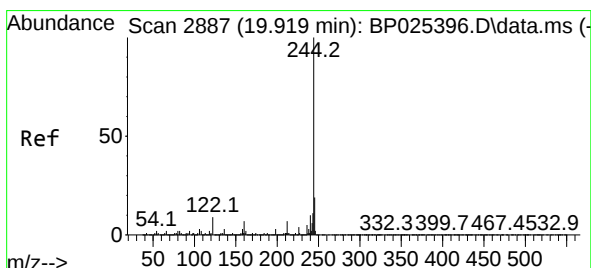
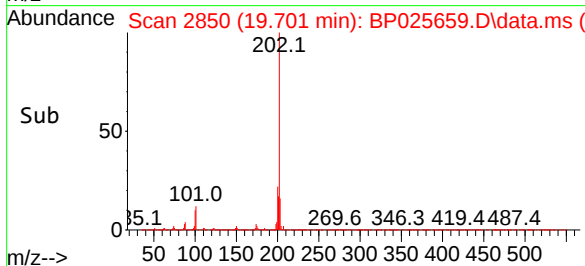
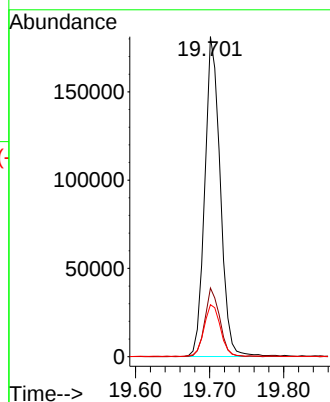
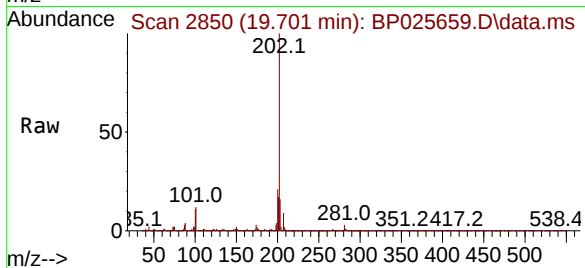
Tgt Ion:202 Resp: 262575

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 16.3 14.2 21.2



#79

Terphenyl-d14

Concen: 78.424 ng

RT: 19.913 min Scan# 2886

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

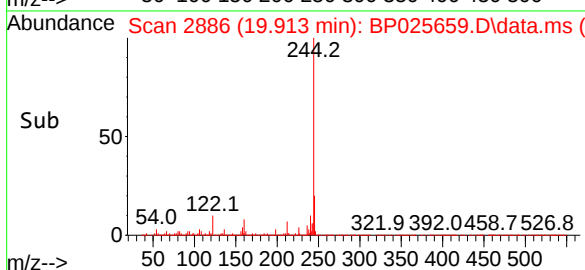
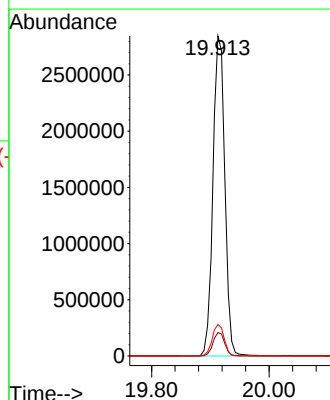
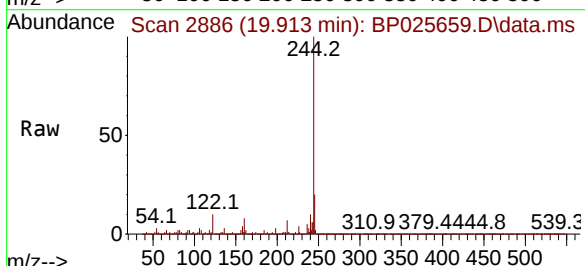
Tgt Ion:244 Resp: 3981185

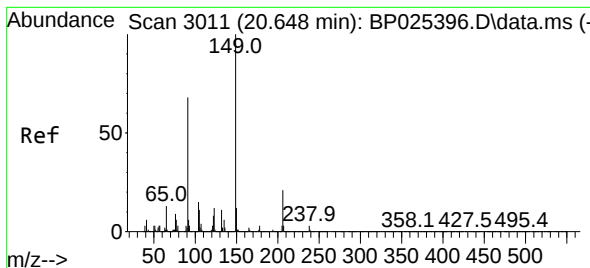
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.8 7.4 11.2





#80

Butylbenzylphthalate

Concen: 4.234 ng

RT: 20.642 min Scan# 3011

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

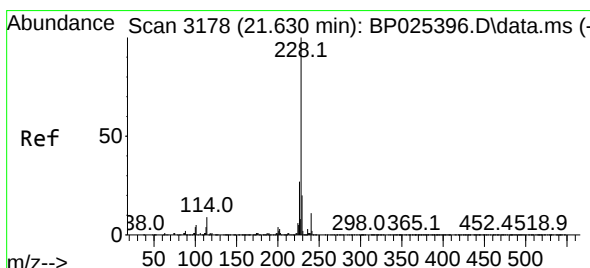
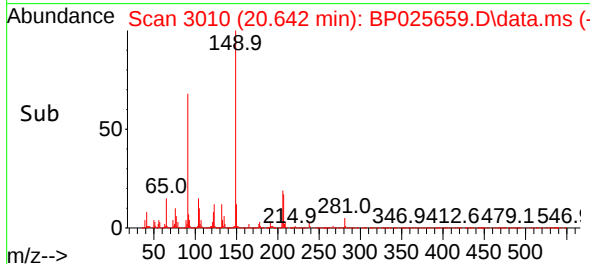
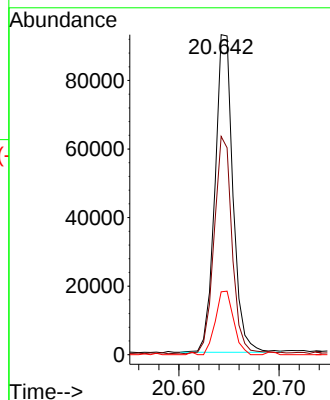
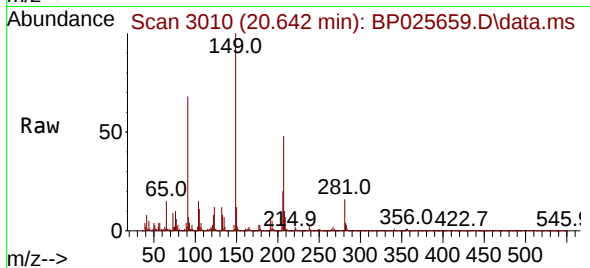
Tgt Ion:149 Resp: 115848

Ion Ratio Lower Upper

149 100

91 68.2 54.2 81.2

206 19.6 16.6 24.8



#81

Benzo(a)anthracene

Concen: 4.382 ng

RT: 21.625 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

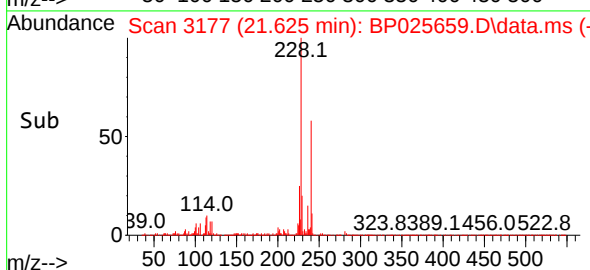
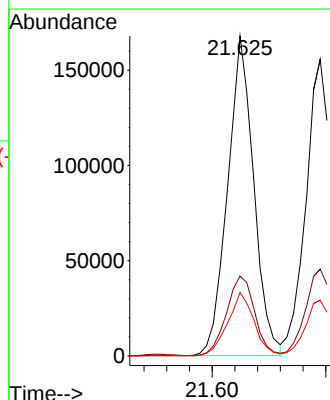
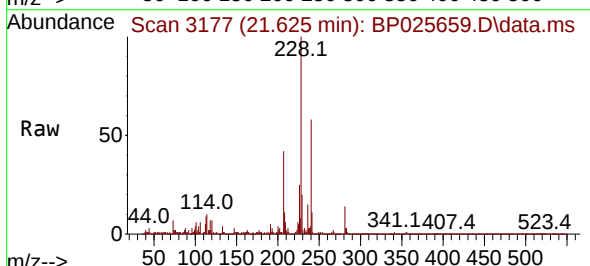
Tgt Ion:228 Resp: 268429

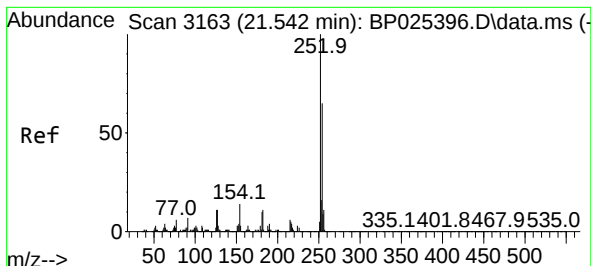
Ion Ratio Lower Upper

228 100

226 25.0 21.7 32.5

229 19.9 15.6 23.4





#82

3,3'-Dichlorobenzidine

Concen: 4.121 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

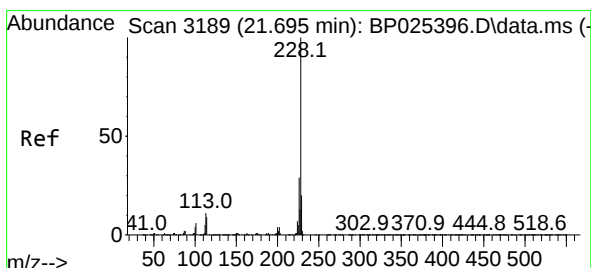
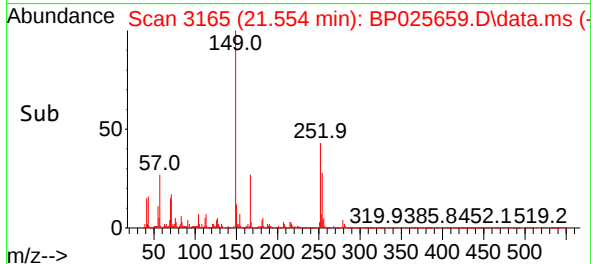
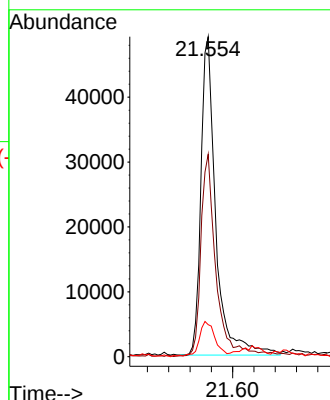
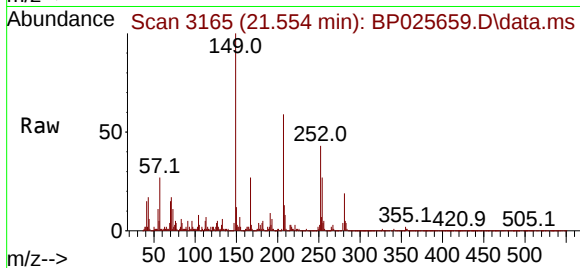
Tgt Ion:252 Resp: 95149

Ion Ratio Lower Upper

252 100

254 63.2 51.8 77.6

126 10.0 9.1 13.7



#83

Chrysene

Concen: 4.608 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

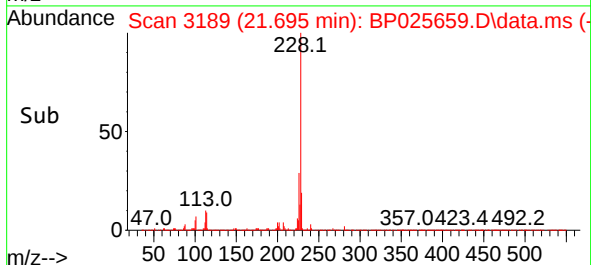
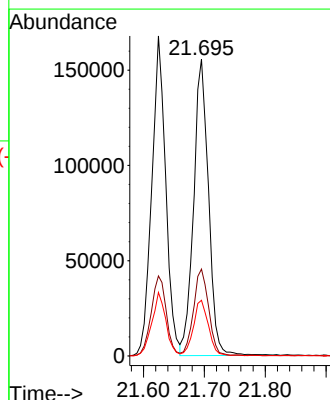
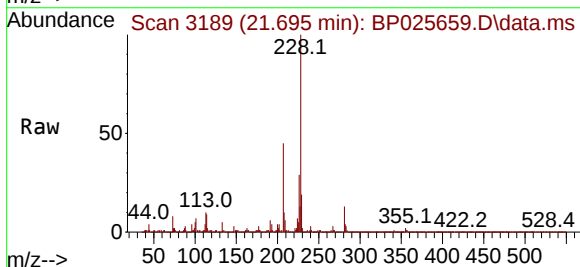
Tgt Ion:228 Resp: 264349

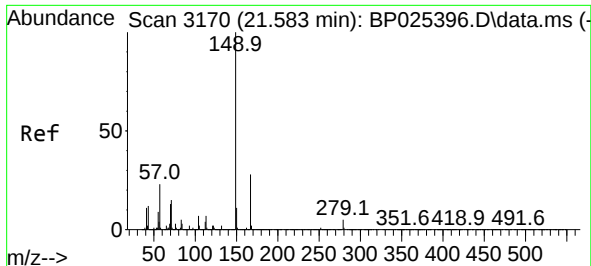
Ion Ratio Lower Upper

228 100

226 29.3 23.2 34.8

229 18.8 15.6 23.4

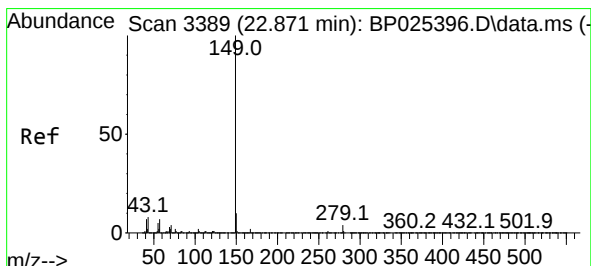
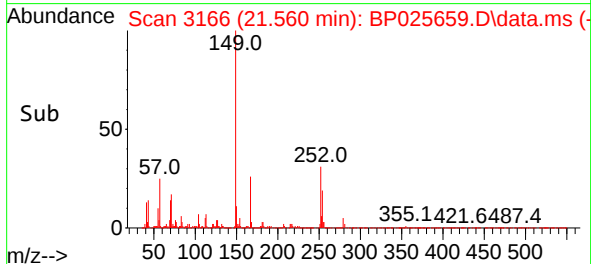
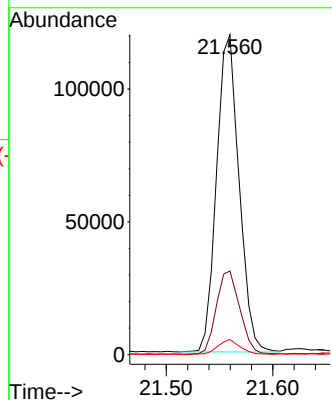
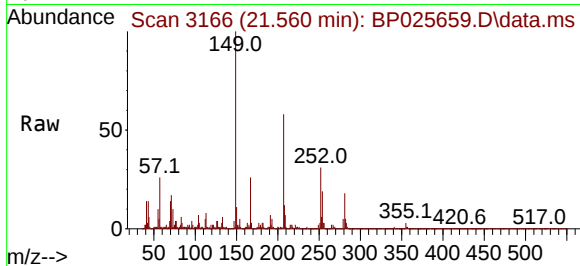




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.354 ng
RT: 21.560 min Scan# 3170
Delta R.T. -0.023 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

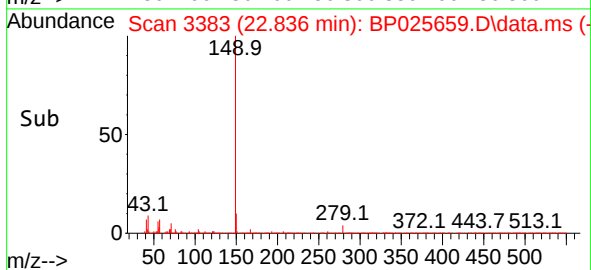
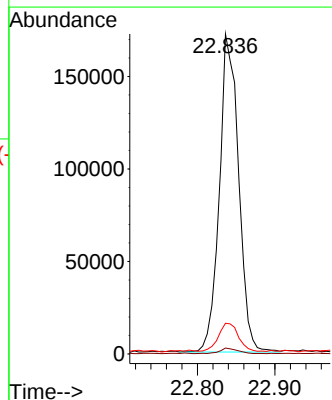
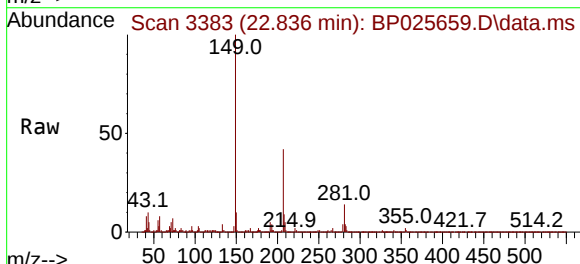
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

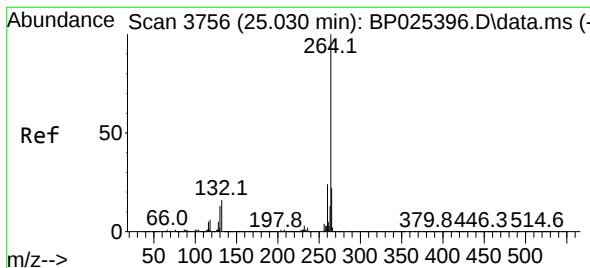
Tgt Ion:149 Resp: 175341
Ion Ratio Lower Upper
149 100
167 26.2 22.1 33.1
279 4.8 3.8 5.6



#85
Di-n-octyl phthalate
Concen: 4.291 ng
RT: 22.836 min Scan# 3383
Delta R.T. -0.035 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:149 Resp: 297224
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.1 6.3 9.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.013 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

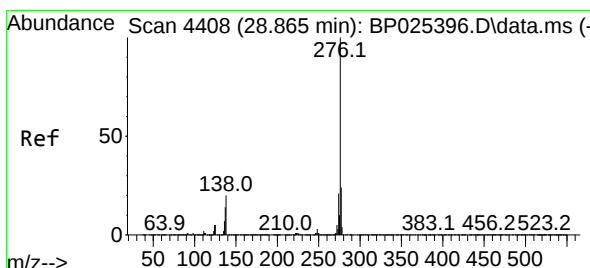
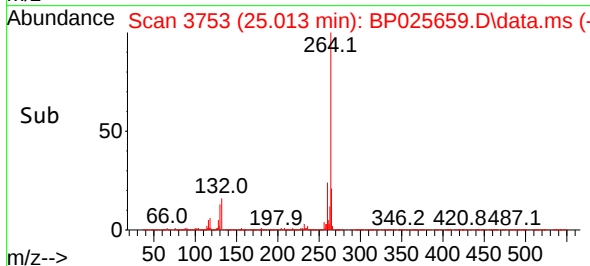
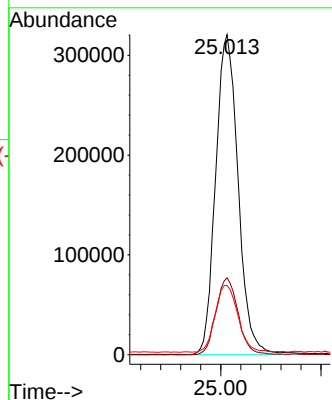
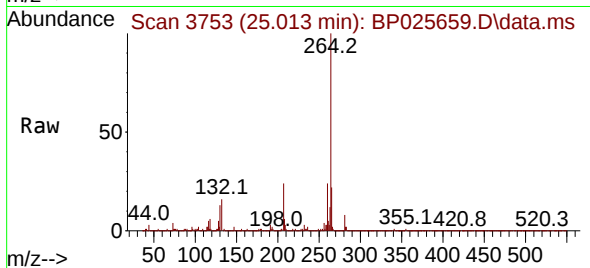
Tgt Ion:264 Resp: 995879

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.6 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.059 ng

RT: 28.842 min Scan# 4404

Delta R.T. -0.023 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

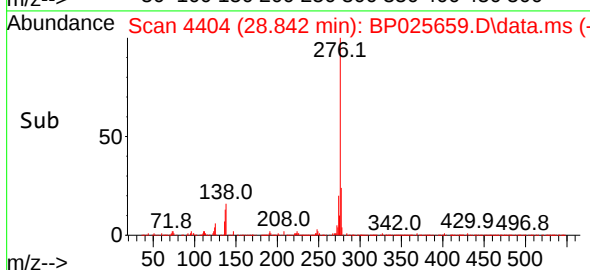
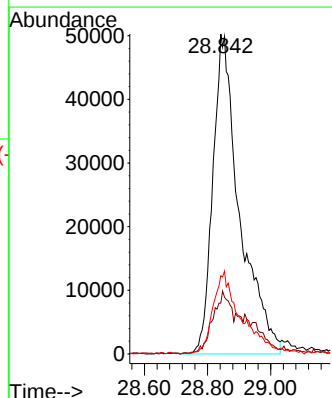
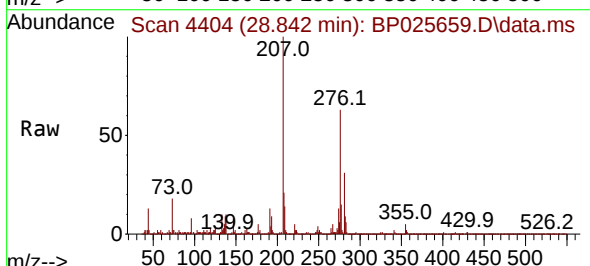
Tgt Ion:276 Resp: 296458

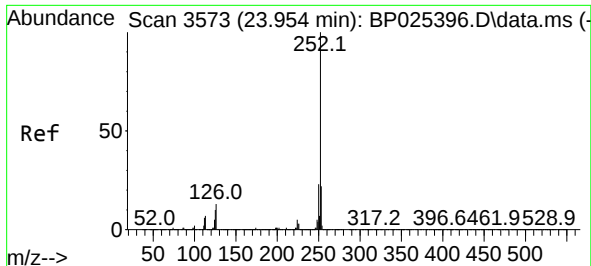
Ion Ratio Lower Upper

276 100

138 13.0 12.9 19.3

277 26.1 17.0 25.6#

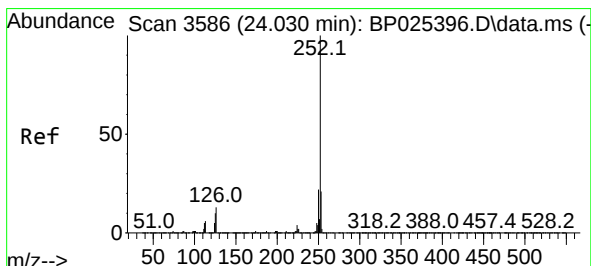
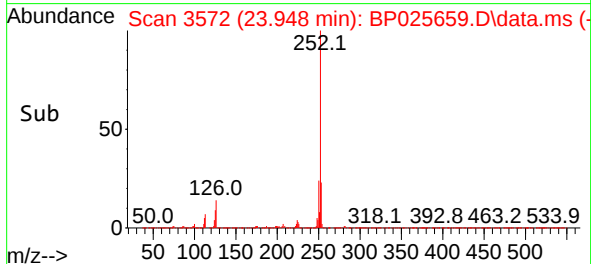
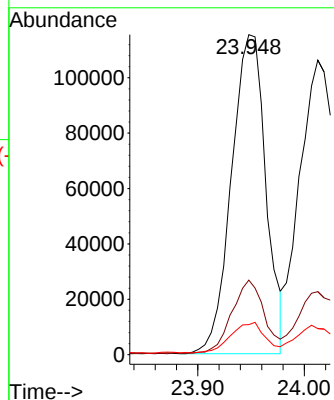
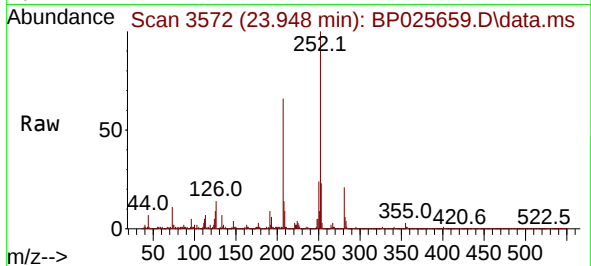




#88
Benzo(b)fluoranthene
Concen: 4.404 ng
RT: 23.948 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

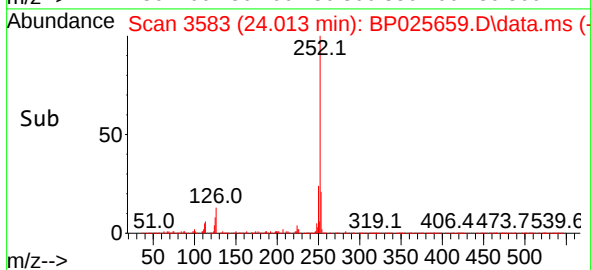
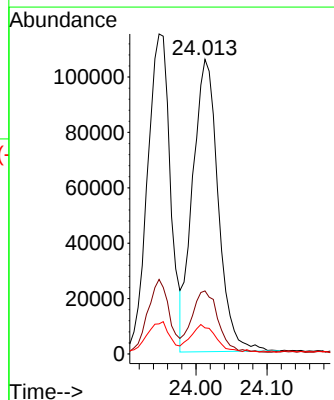
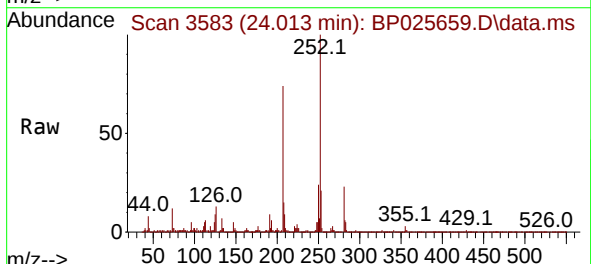
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2025

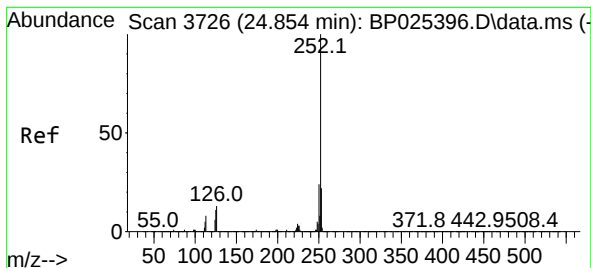
Tgt Ion:252 Resp: 258604
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 9.4 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 4.486 ng
RT: 24.013 min Scan# 3583
Delta R.T. -0.018 min
Lab File: BP025659.D
Acq: 04 Sep 2025 14:06

Tgt Ion:252 Resp: 263611
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 8.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 4.369 ng

RT: 24.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2025

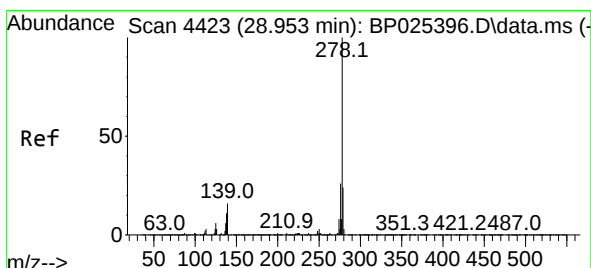
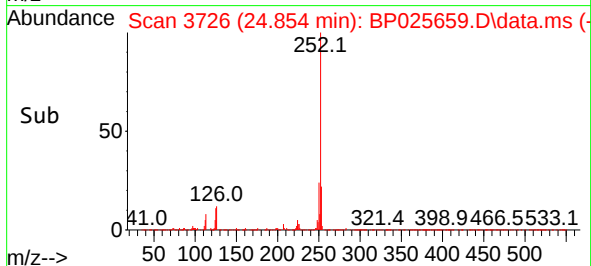
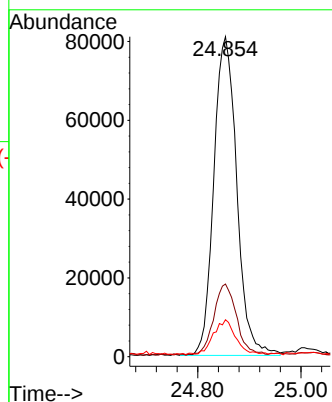
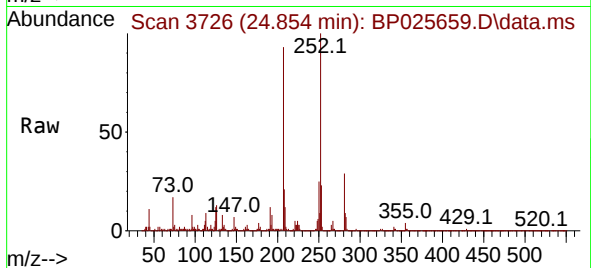
Tgt Ion:252 Resp: 249774

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.6 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 4.096 ng

RT: 28.930 min Scan# 4419

Delta R.T. -0.023 min

Lab File: BP025659.D

Acq: 04 Sep 2025 14:06

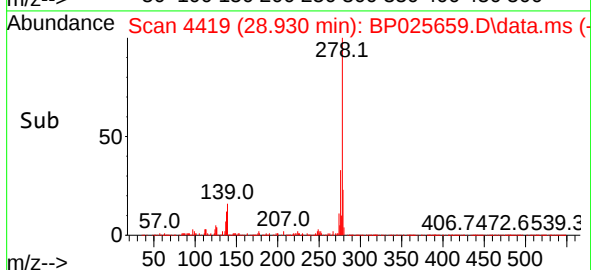
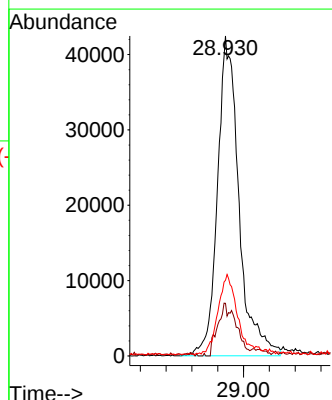
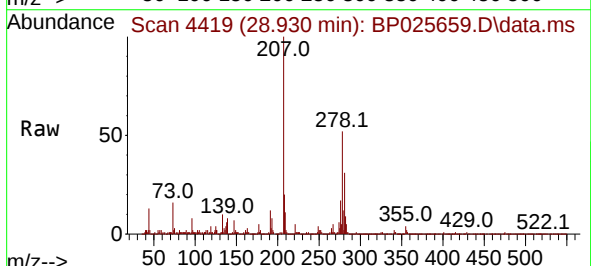
Tgt Ion:278 Resp: 244483

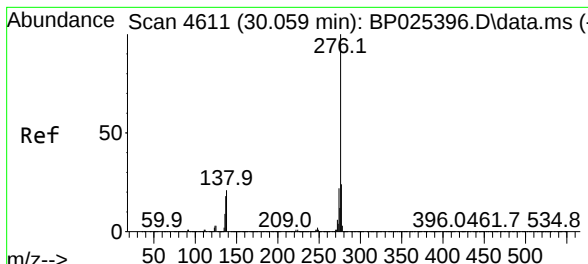
Ion Ratio Lower Upper

278 100

139 16.4 13.0 19.4

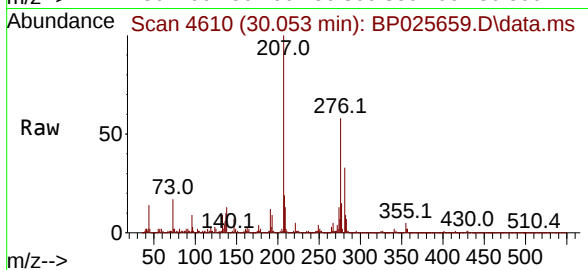
279 23.7 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.133 ng
 RT: 30.053 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BP025659.D
 Acq: 04 Sep 2025 14:06

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



Tgt Ion: 276 Resp: 242472

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	22.6	16.7	25.1

