

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091225\
 Data File : BP025741.D
 Acq On : 12 Sep 2025 13:08
 Operator : CG/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 8 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 12 13:33:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	141958	20.000	ng	0.00
21) Naphthalene-d8	10.525	136	607890	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	427665	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	881205	20.000	ng	0.00
76) Chrysene-d12	21.618	240	991002	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1048856	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1082538	123.045	ng	0.00
7) Phenol-d6	6.943	99	1475222	126.152	ng	0.00
23) Nitrobenzene-d5	8.902	82	1089453	79.055	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	643078	120.556	ng	-0.01
45) 2-Fluorobiphenyl	12.984	172	2476140	77.093	ng	0.00
79) Terphenyl-d14	19.907	244	4334640	78.688	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.314	88	29152	7.895	ng	98
3) Pyridine	3.719	79	76776	7.551	ng	98
4) n-Nitrosodimethylamine	3.619	42	35586	7.417	ng	# 98
6) Aniline	7.096	93	123169	7.673	ng	99
8) 2-Chlorophenol	7.331	128	76056	7.880	ng	96
9) Benzaldehyde	6.913	77	72147	10.293	ng	100
10) Phenol	6.972	94	96159	7.798	ng	96
11) bis(2-Chloroethyl)ether	7.184	93	77473	7.820	ng	100
12) 1,3-Dichlorobenzene	7.649	146	86949	7.915	ng	98
13) 1,4-Dichlorobenzene	7.790	146	87560	7.825	ng	99
14) 1,2-Dichlorobenzene	8.107	146	85110	7.830	ng	99
15) Benzyl Alcohol	8.002	79	70811	7.328	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.284	45	130218	8.038	ng	98
17) 2-Methylphenol	8.202	107	61795	7.433	ng	100
18) Hexachloroethane	8.825	117	33210	7.770	ng	99
19) n-Nitroso-di-n-propyla...	8.554	70	66658	8.173	ng	98
20) 3+4-Methylphenols	8.537	107	81267	6.980	ng	98
22) Acetophenone	8.572	105	128397	7.904	ng	98
24) Nitrobenzene	8.943	77	98358	7.956	ng	99
25) Isophorone	9.466	82	179660	7.417	ng	97
26) 2-Nitrophenol	9.654	139	37737	6.875	ng	99
27) 2,4-Dimethylphenol	9.719	122	68558	7.120	ng	99
28) bis(2-Chloroethoxy)met...	9.943	93	106891	7.634	ng	98
29) 2,4-Dichlorophenol	10.213	162	65201	6.791	ng	96
30) 1,2,4-Trichlorobenzene	10.390	180	82135	7.591	ng	97
31) Naphthalene	10.578	128	252653	7.708	ng	99
32) Benzoic acid	9.837	122	23654	3.304	ng	# 88
33) 4-Chloroaniline	10.701	127	95131	6.963	ng	97
34) Hexachlorobutadiene	10.860	225	53381	7.664	ng	96
35) Caprolactam	11.478	113	24932	6.736	ng	97
36) 4-Chloro-3-methylphenol	11.825	107	81197	7.094	ng	93
37) 2-Methylnaphthalene	12.184	142	160074	7.604	ng	97
38) 1-Methylnaphthalene	12.401	142	172613	7.689	ng	99
40) 1,2,4,5-Tetrachloroben...	12.554	216	100659	7.767	ng	99
41) Hexachlorocyclopentadiene	12.531	237	38198	5.412	ng	99
43) 2,4,6-Trichlorophenol	12.807	196	61485	7.217	ng	96

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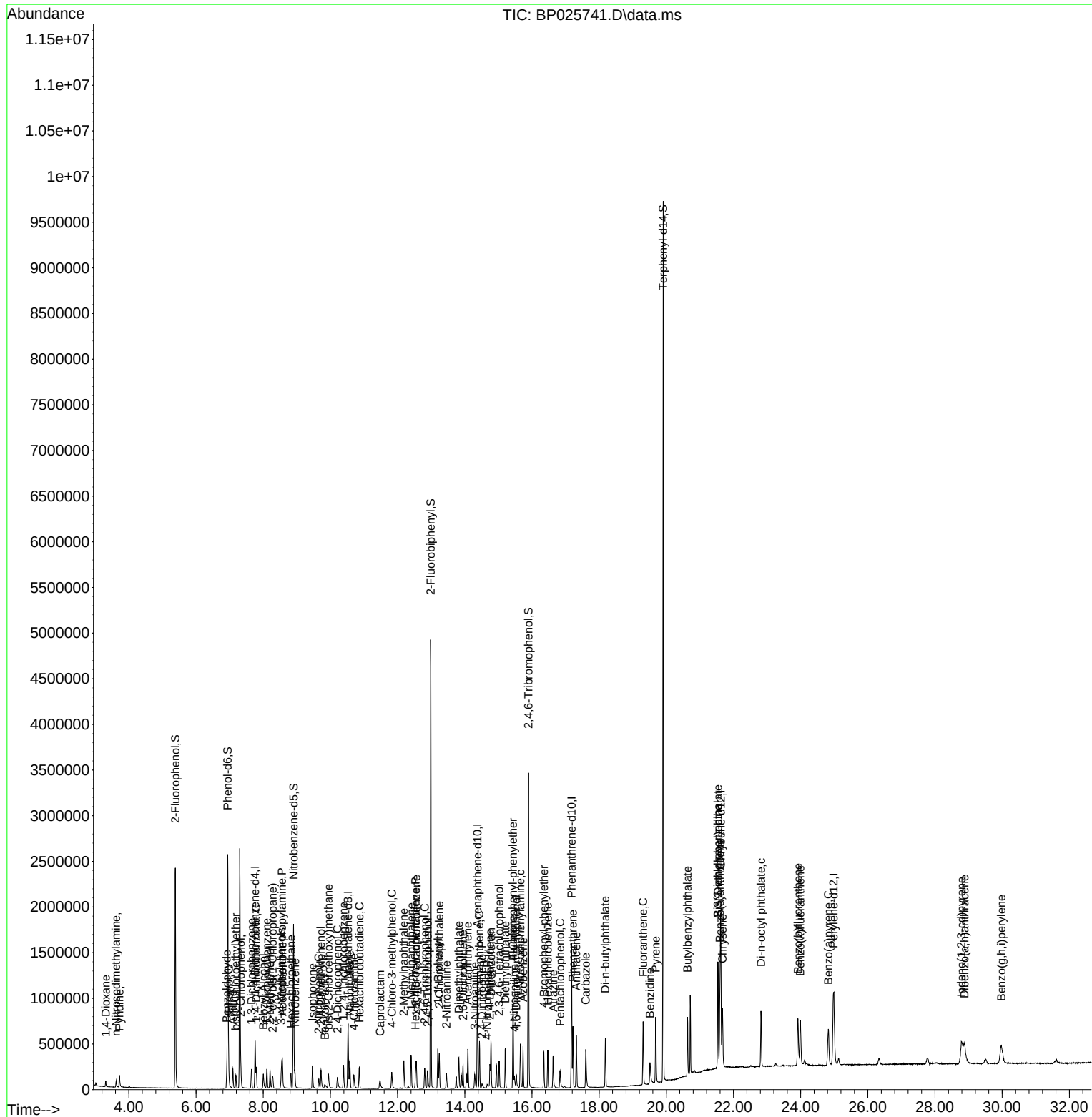
Instrument :
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 LOD-MDL-SOIL-01-QT3-2025

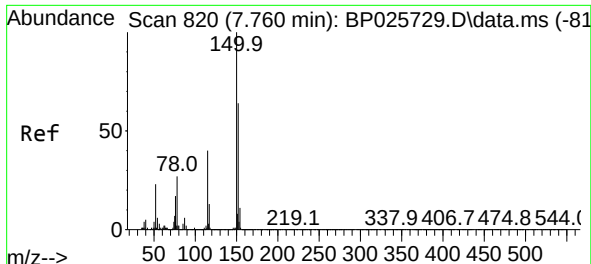
Quant Time: Sep 12 13:33:48 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	65368	6.894	ng	96
46) 1,1'-Biphenyl	13.201	154	249021	7.933	ng	99
47) 2-Chloronaphthalene	13.242	162	191301	7.740	ng	100
48) 2-Nitroaniline	13.454	65	56714	6.883	ng	96
49) Acenaphthylene	14.089	152	306481	7.484	ng	100
50) Dimethylphthalate	13.825	163	250707	7.678	ng	99
51) 2,6-Dinitrotoluene	13.948	165	50921	7.361	ng	94
52) Acenaphthene	14.437	154	178840	7.572	ng	97
53) 3-Nitroaniline	14.295	138	49794	6.845	ng #	93
54) 2,4-Dinitrophenol	14.513	184	17092	8.395	ng #	88
55) Dibenzofuran	14.778	168	296526	7.704	ng	99
56) 4-Nitrophenol	14.666	139	22492	7.872	ng	98
57) 2,4-Dinitrotoluene	14.748	165	69934	7.104	ng	98
58) Fluorene	15.436	166	243617	7.959	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.025	232	62641	7.334	ng	99
60) Diethylphthalate	15.207	149	254696	7.690	ng	99
61) 4-Chlorophenyl-phenyle...	15.436	204	122926	7.969	ng	99
62) 4-Nitroaniline	15.478	138	34901	4.683	ng	97
63) Azobenzene	15.736	77	240424	7.508	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	31939	5.450	ng	96
66) n-Nitrosodiphenylamine	15.654	169	214571	7.957	ng	98
67) 4-Bromophenyl-phenylether	16.354	248	73604	7.603	ng	97
68) Hexachlorobenzene	16.472	284	84503	7.827	ng	95
69) Atrazine	16.631	200	78941	7.658	ng	98
70) Pentachlorophenol	16.836	266	46446	6.519	ng	97
71) Phenanthrene	17.219	178	399783	7.998	ng	99
72) Anthracene	17.319	178	398634	7.860	ng	99
73) Carbazole	17.601	167	354222	7.512	ng	100
74) Di-n-butylphthalate	18.183	149	438920	7.585	ng	99
75) Fluoranthene	19.307	202	484808	8.087	ng	99
77) Benzidine	19.513	184	233960	8.196	ng	99
78) Pyrene	19.683	202	507732	7.678	ng	99
80) Butylbenzylphthalate	20.630	149	202792	6.994	ng	95
81) Benzo(a)anthracene	21.595	228	519198	7.653	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	164770	7.024	ng	99
83) Chrysene	21.671	228	500665	7.741	ng	99
84) Bis(2-ethylhexyl)phtha...	21.536	149	308509	7.273	ng	97
85) Di-n-octyl phthalate	22.818	149	511382	6.777	ng	98
87) Indeno(1,2,3-cd)pyrene	28.783	276	556602	7.297	ng #	90
88) Benzo(b)fluoranthene	23.918	252	490469	7.647	ng	98
89) Benzo(k)fluoranthene	23.989	252	514097	7.855	ng	99
90) Benzo(a)pyrene	24.824	252	469635	7.477	ng	99
91) Dibenzo(a,h)anthracene	28.871	278	445008	7.129	ng	98
92) Benzo(g,h,i)perylene	29.977	276	449208	7.318	ng	99

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

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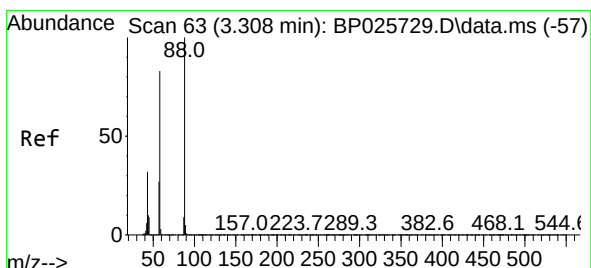
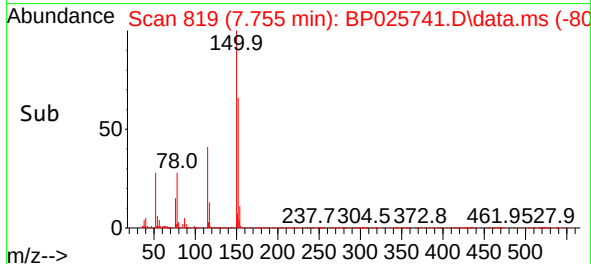
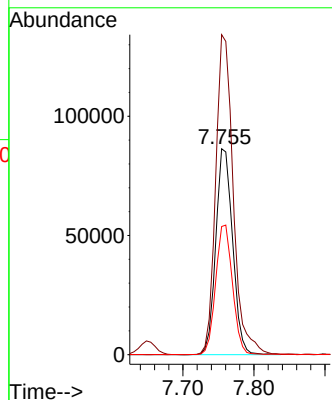
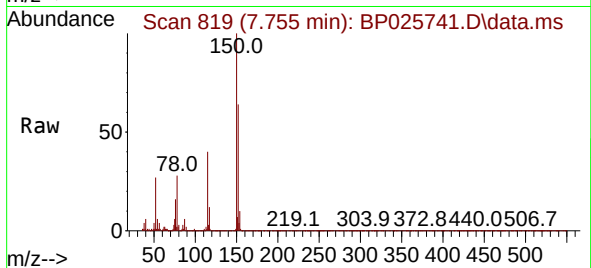




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.755 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP025741.D
 Acq: 12 Sep 2025 13:08

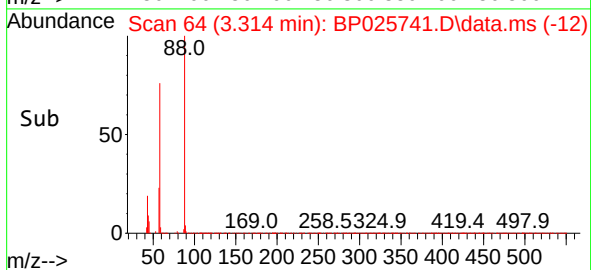
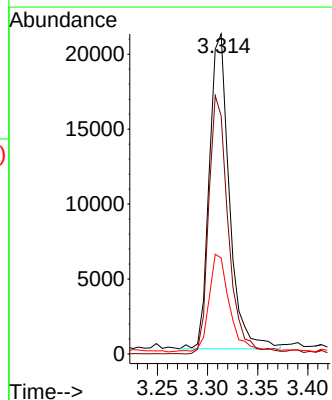
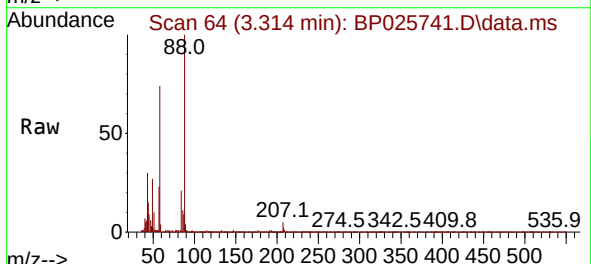
Instrument :
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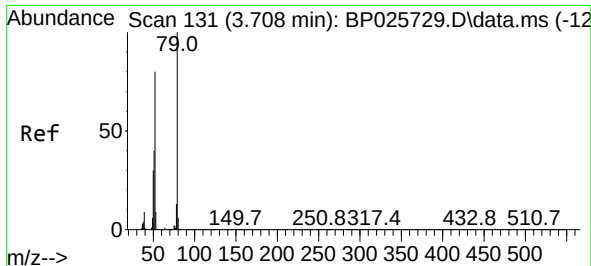
Tgt Ion:152 Resp: 141958
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.3 186.5
 115 62.2 50.3 75.5



#2
 1,4-Dioxane
 Concen: 7.895 ng
 RT: 3.314 min Scan# 64
 Delta R.T. 0.006 min
 Lab File: BP025741.D
 Acq: 12 Sep 2025 13:08

Tgt Ion: 88 Resp: 29152
 Ion Ratio Lower Upper
 88 100
 58 80.5 65.5 98.3
 43 33.1 25.2 37.8

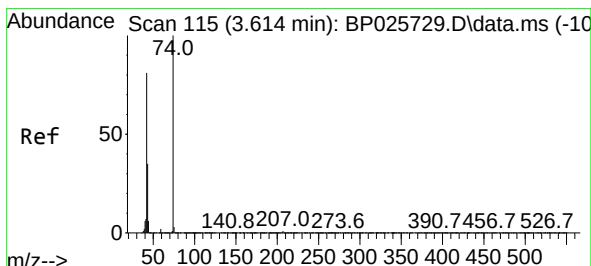
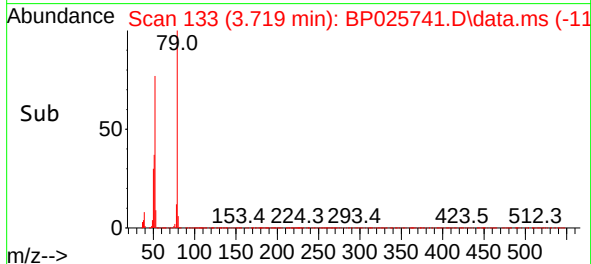
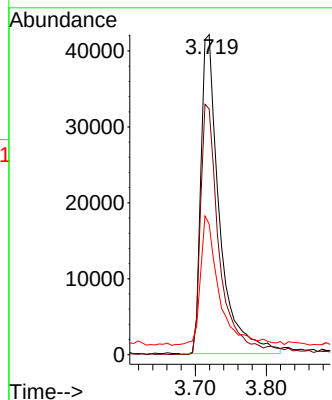
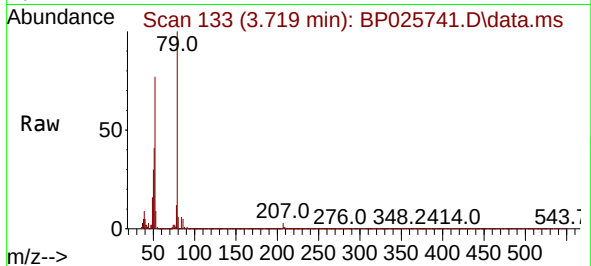




#3
Pyridine
Concen: 7.551 ng
RT: 3.719 min Scan# 111
Delta R.T. 0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

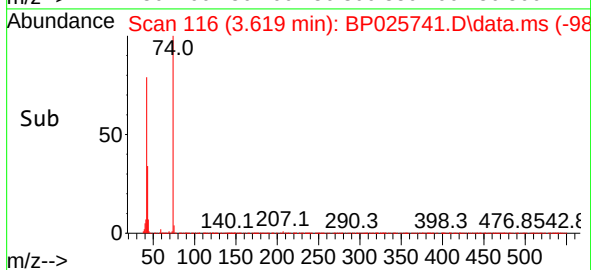
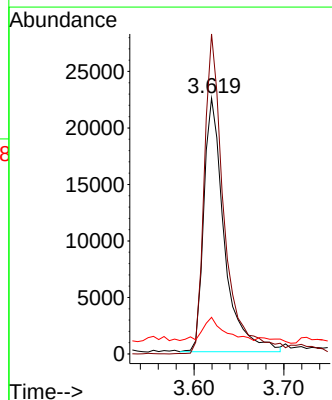
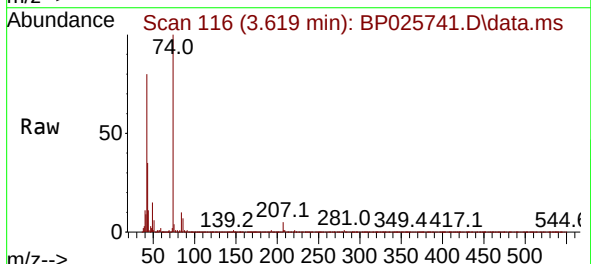
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

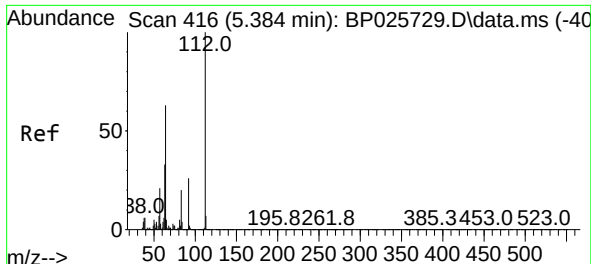
Tgt Ion: 79 Resp: 76776
Ion Ratio Lower Upper
79 100
52 76.8 63.7 95.5
51 40.8 32.4 48.6



#4
n-Nitrosodimethylamine
Concen: 7.417 ng
RT: 3.619 min Scan# 116
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 42 Resp: 35586
Ion Ratio Lower Upper
42 100
74 125.1 99.2 148.8
44 14.3 6.4 9.6

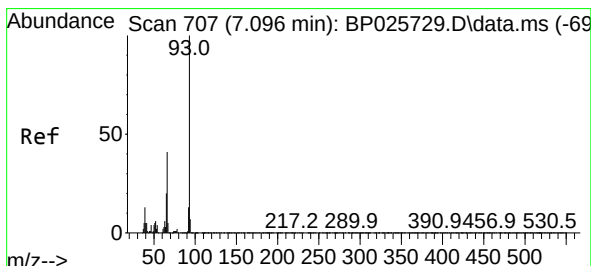
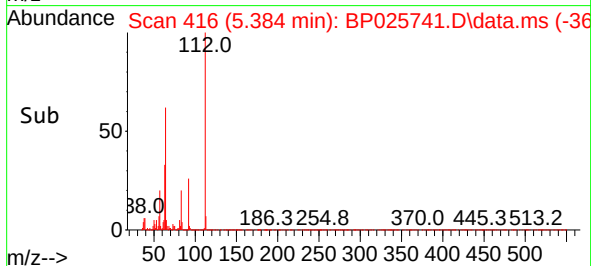
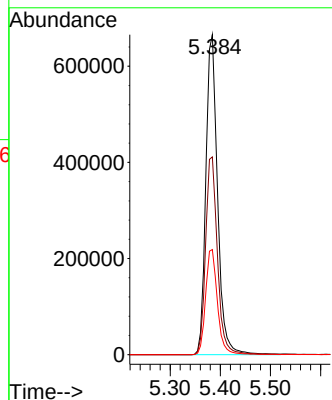
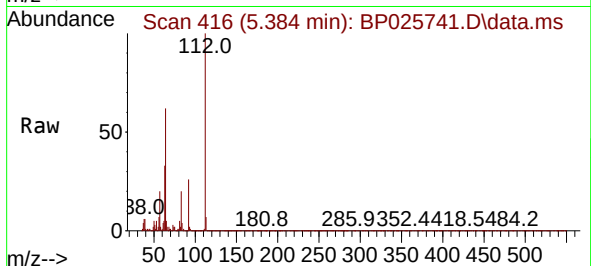




#5
2-Fluorophenol
Concen: 123.045 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

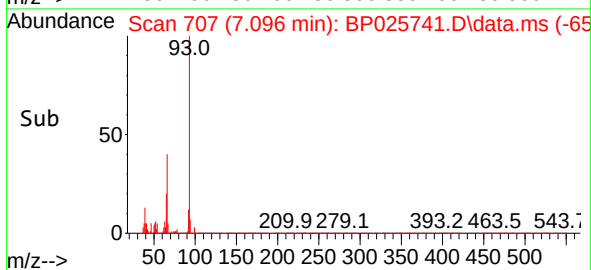
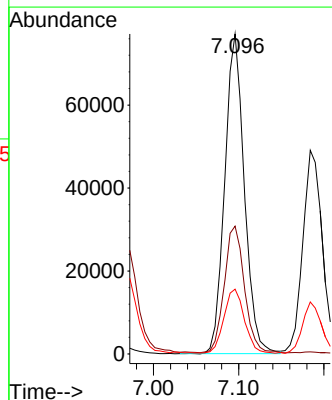
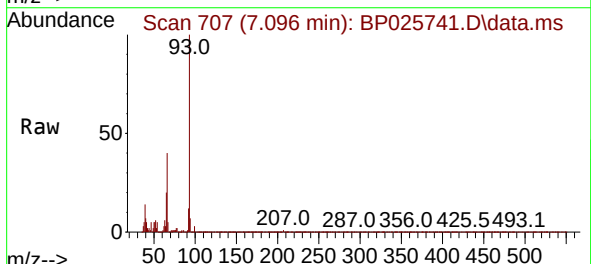
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

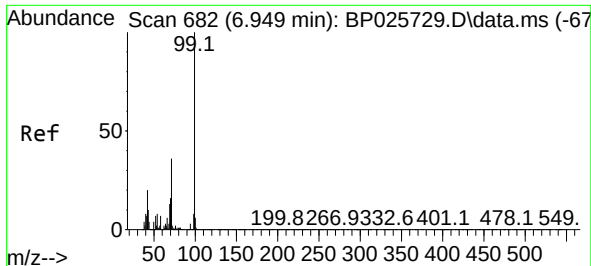
Tgt Ion:112 Resp: 1082538
Ion Ratio Lower Upper
112 100
64 61.8 50.2 75.4
63 32.9 26.7 40.1



#6
Aniline
Concen: 7.673 ng
RT: 7.096 min Scan# 707
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 93 Resp: 123169
Ion Ratio Lower Upper
93 100
66 40.0 32.6 49.0
65 20.2 16.2 24.2



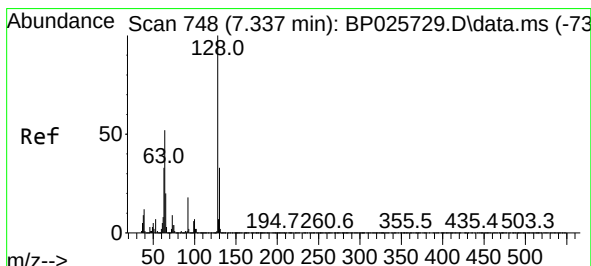
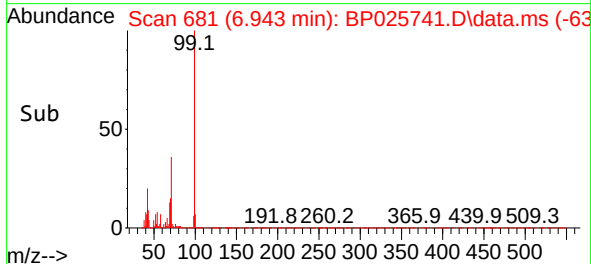
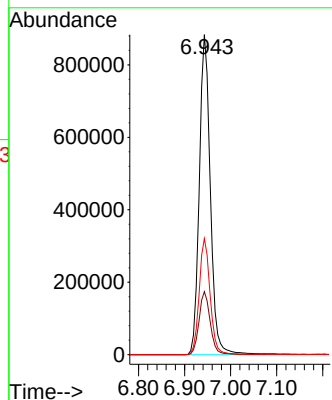
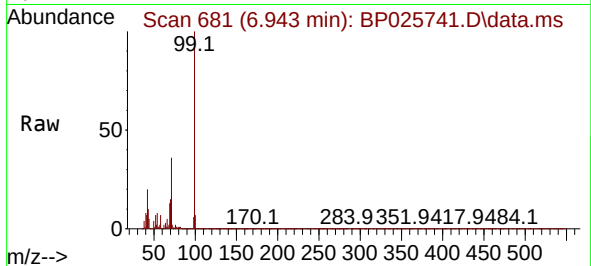


#7
Phenol-d6
Concen: 126.152 ng
RT: 6.943 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 99 Resp: 1475222

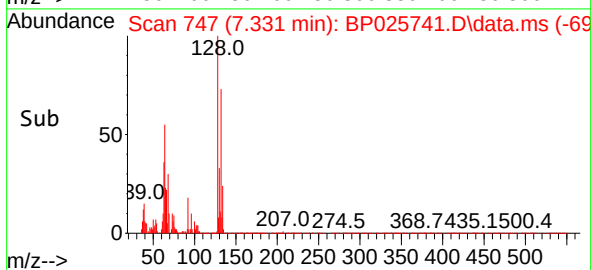
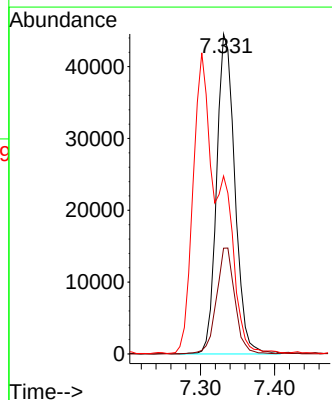
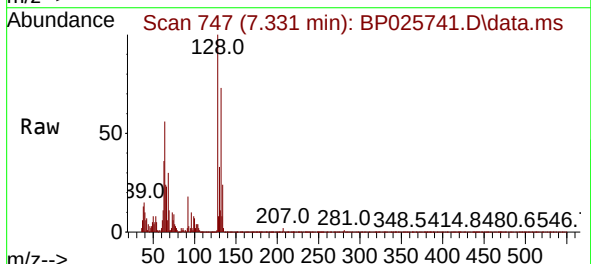
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.6	23.4
71	36.3	28.6	43.0

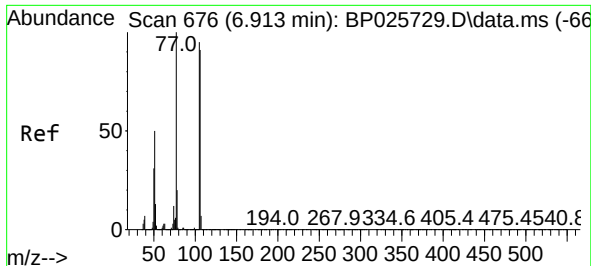


#8
2-Chlorophenol
Concen: 7.880 ng
RT: 7.331 min Scan# 747
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 128 Resp: 76056

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	55.6	31.6	71.6

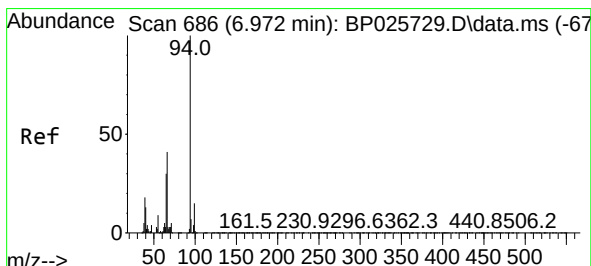
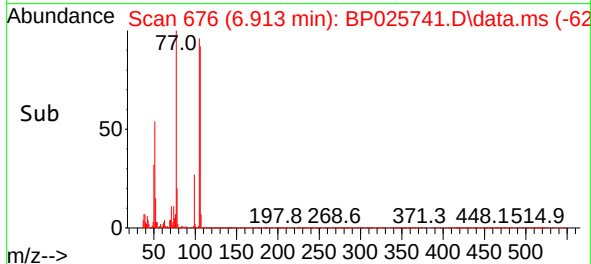
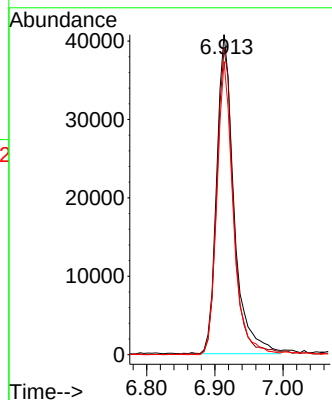
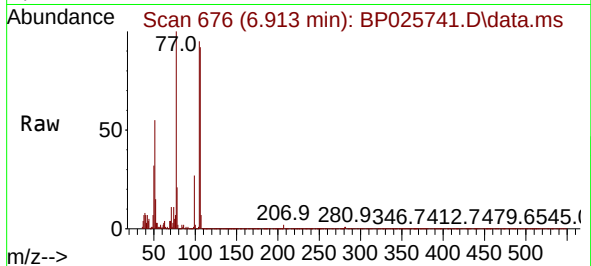




#9
Benzaldehyde
Concen: 10.293 ng
RT: 6.913 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

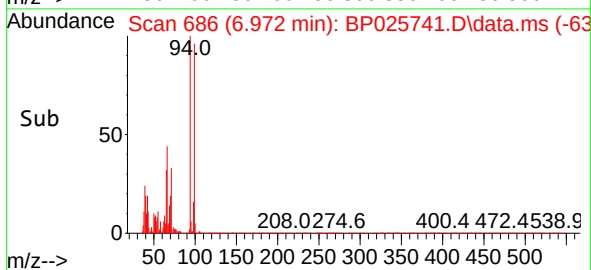
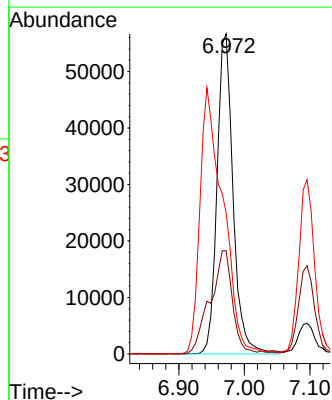
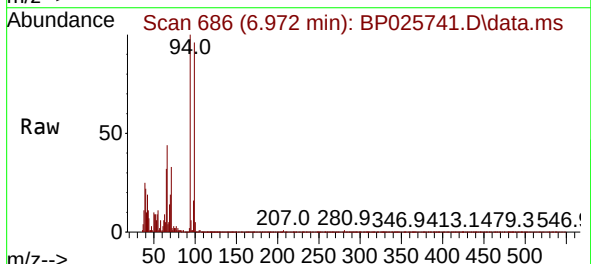
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

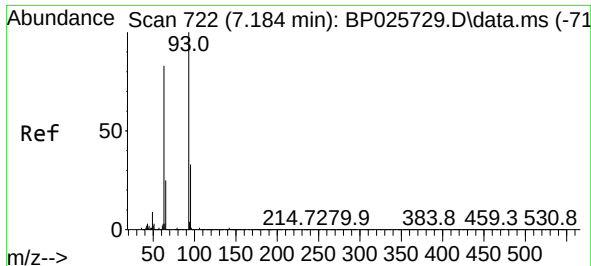
Tgt Ion: 77 Resp: 72147
Ion Ratio Lower Upper
77 100
105 95.5 75.2 115.2
106 91.6 71.3 111.3



#10
Phenol
Concen: 7.798 ng
RT: 6.972 min Scan# 686
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 94 Resp: 96159
Ion Ratio Lower Upper
94 100
65 32.3 10.2 50.2
66 44.1 21.4 61.4

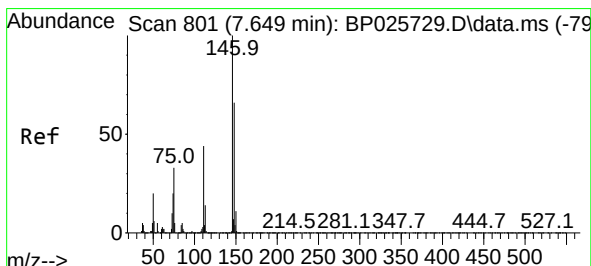
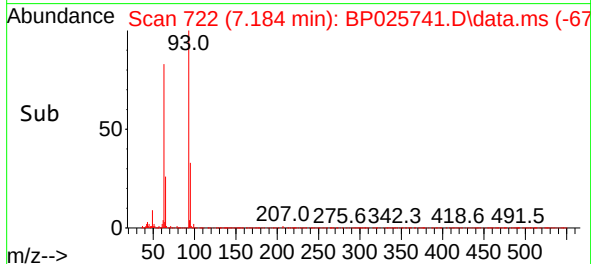
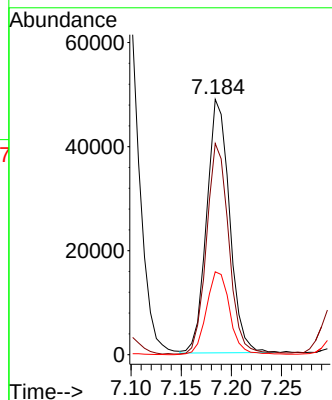
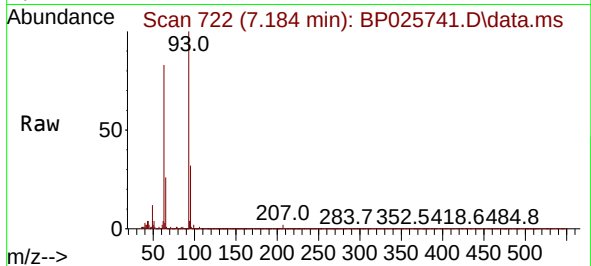




#11
bis(2-Chloroethyl)ether
Concen: 7.820 ng
RT: 7.184 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

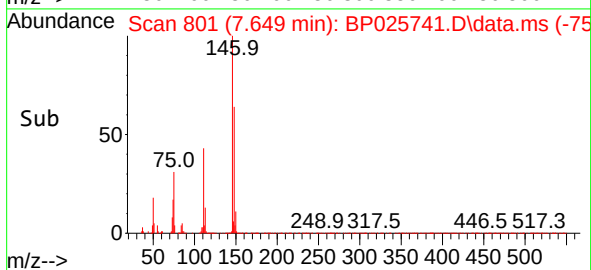
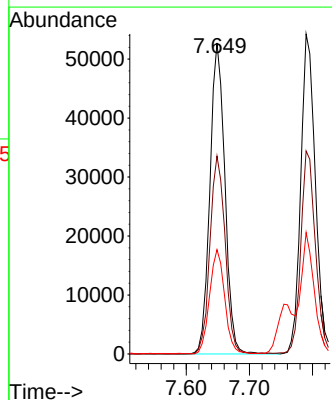
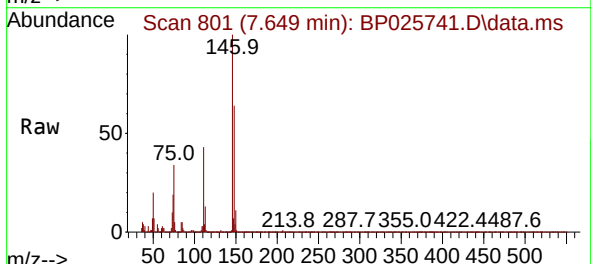
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

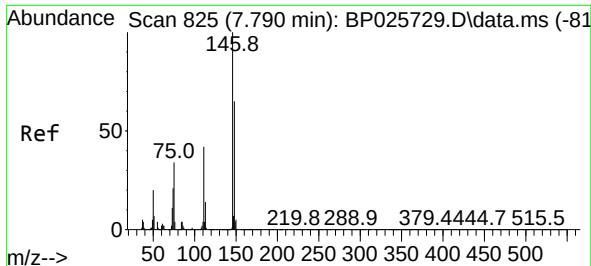
Tgt Ion: 93 Resp: 77473
Ion Ratio Lower Upper
93 100
63 82.7 62.6 102.6
95 32.5 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 7.915 ng
RT: 7.649 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 146 Resp: 86949
Ion Ratio Lower Upper
146 100
148 63.6 52.7 79.1
75 33.5 26.4 39.6

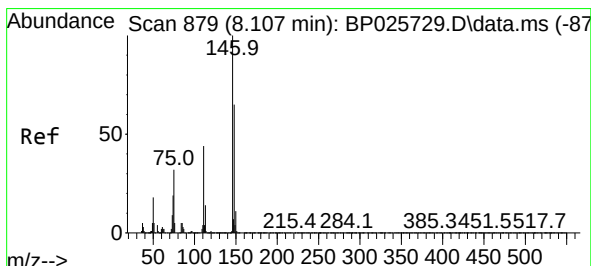
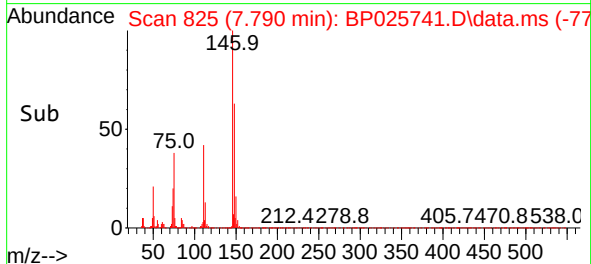
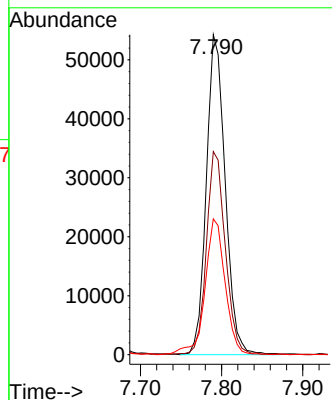
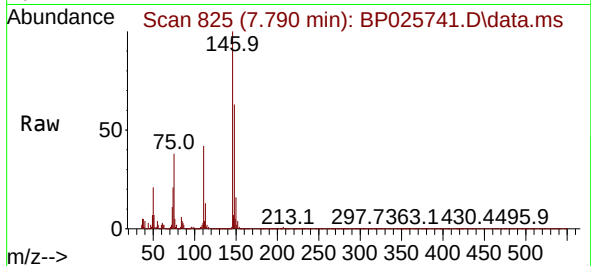




#13
1,4-Dichlorobenzene
Concen: 7.825 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

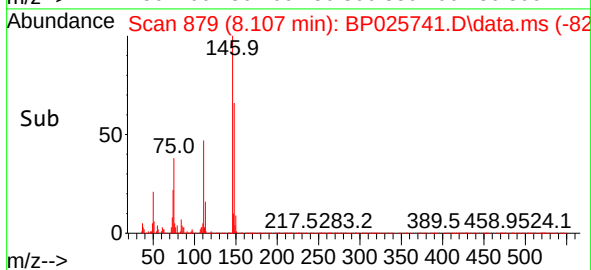
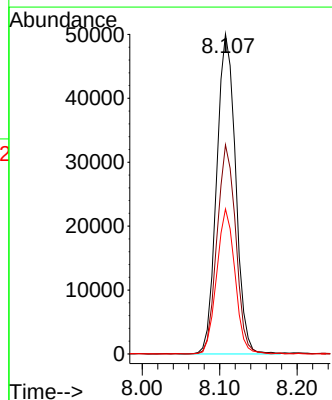
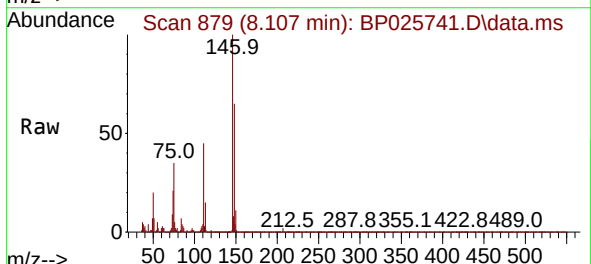
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

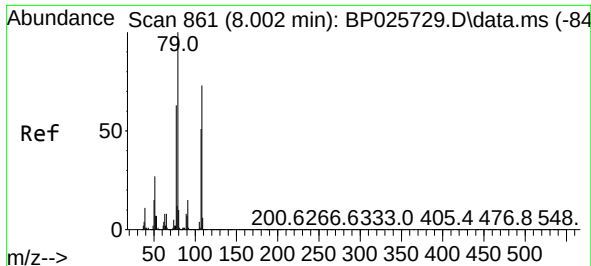
Tgt Ion:146 Resp: 87560
Ion Ratio Lower Upper
146 100
148 63.4 52.0 78.0
111 42.4 33.9 50.9



#14
1,2-Dichlorobenzene
Concen: 7.830 ng
RT: 8.107 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:146 Resp: 85110
Ion Ratio Lower Upper
146 100
148 65.3 51.7 77.5
111 45.3 35.5 53.3

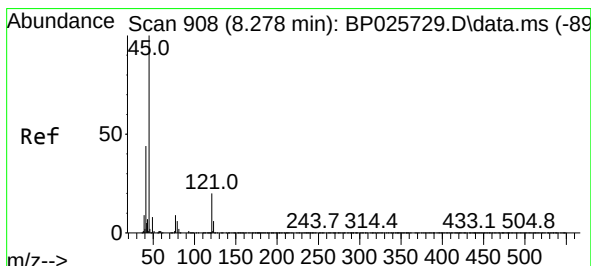
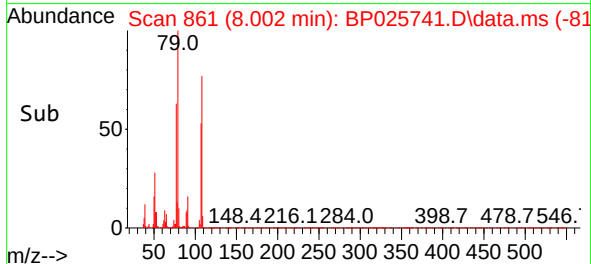
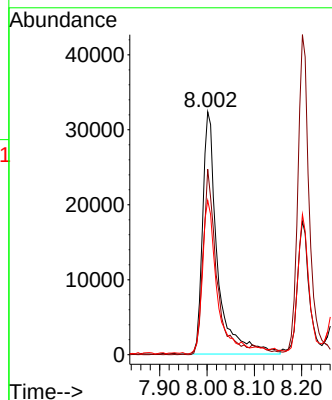
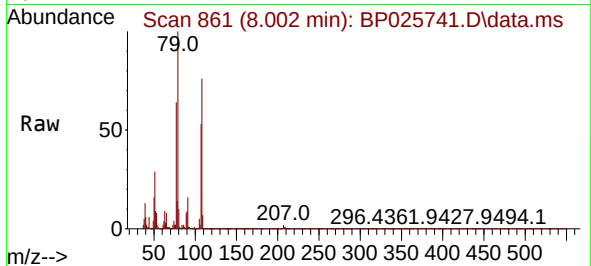




#15
Benzyl Alcohol
Concen: 7.328 ng
RT: 8.002 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

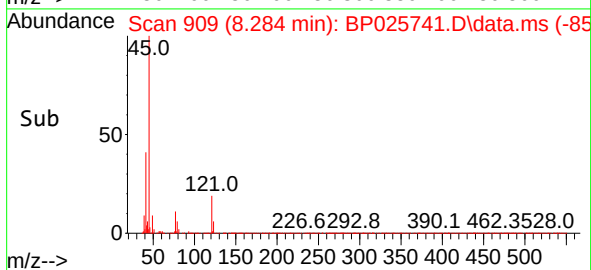
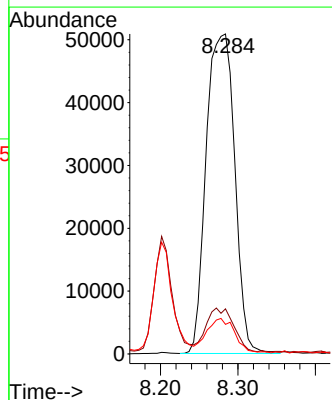
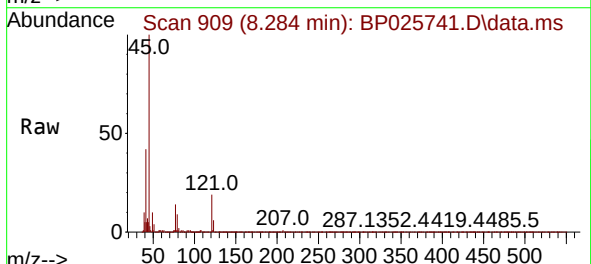
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

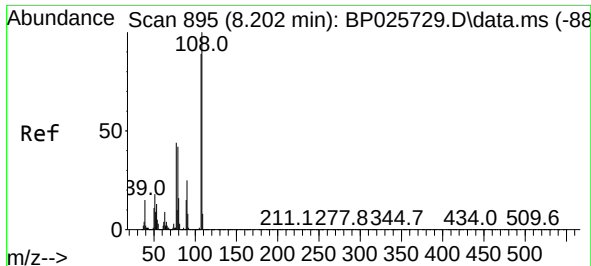
Tgt Ion: 79 Resp: 70811
Ion Ratio Lower Upper
79 100
108 76.3 58.7 88.1
77 63.5 50.2 75.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.038 ng
RT: 8.284 min Scan# 909
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 45 Resp: 130218
Ion Ratio Lower Upper
45 100
77 14.1 0.0 33.1
79 9.2 0.0 30.0

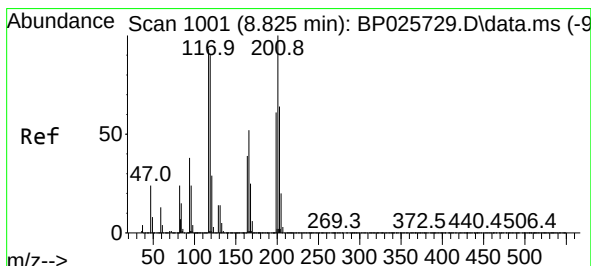
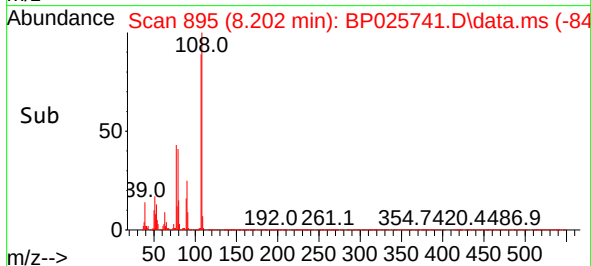
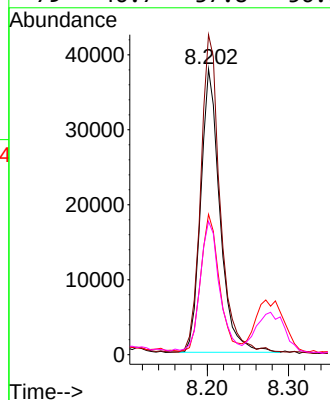
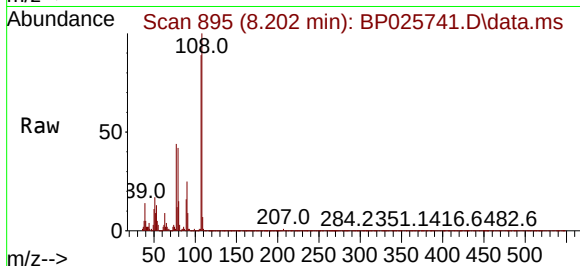




#17
2-Methylphenol
Concen: 7.433 ng
RT: 8.202 min Scan# 895
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

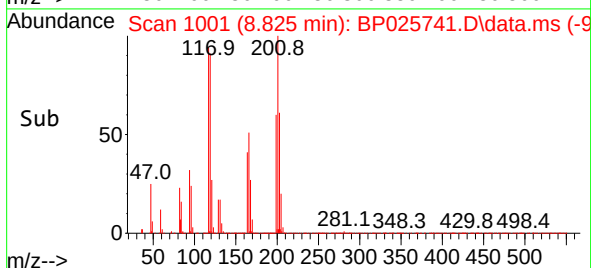
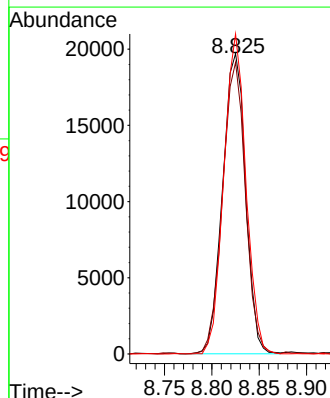
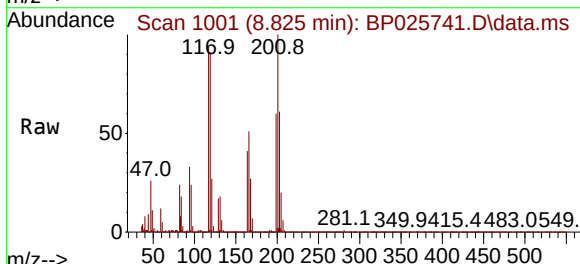
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

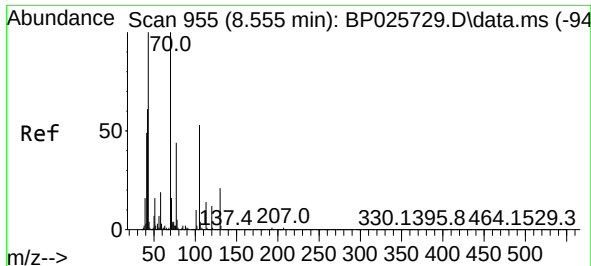
Tgt Ion:	107	Resp:	61795
Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.6	134.4
77	49.1	39.3	58.9
79	46.7	37.8	56.6



#18
Hexachloroethane
Concen: 7.770 ng
RT: 8.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	117	Resp:	33210
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.1	115.7
201	108.3	85.6	128.4

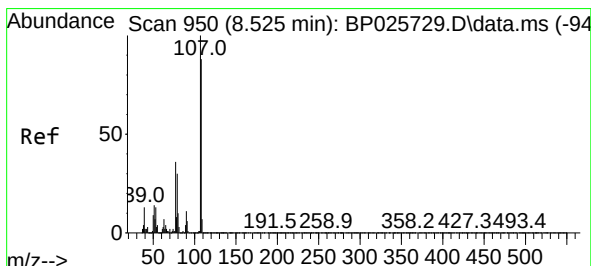
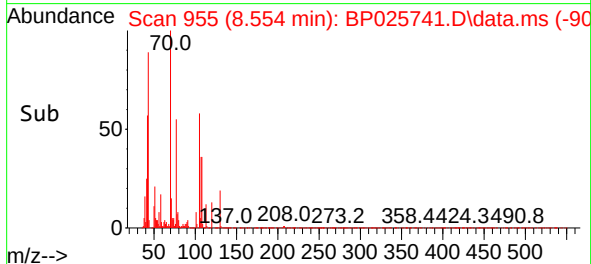
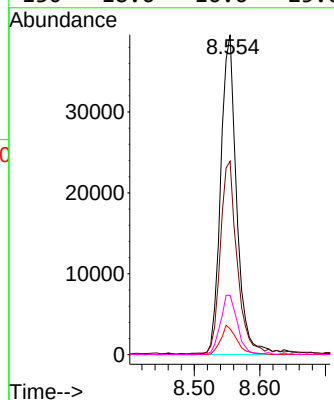
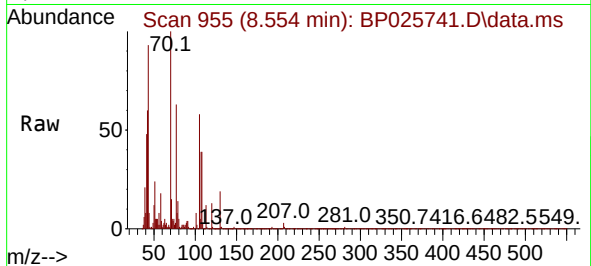




#19
n-Nitroso-di-n-propylamine
Concen: 8.173 ng
RT: 8.554 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

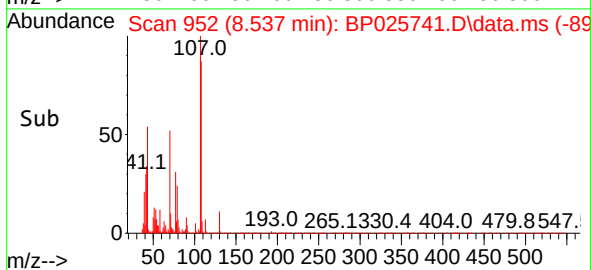
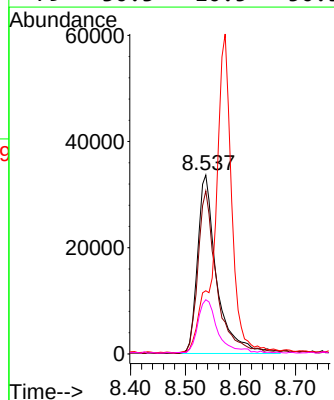
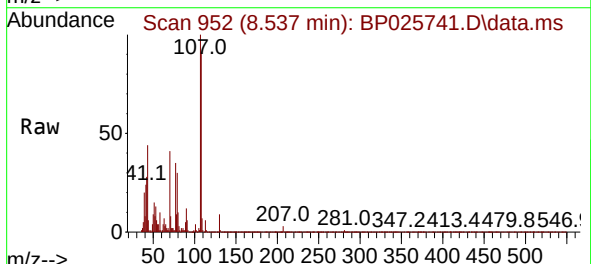
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

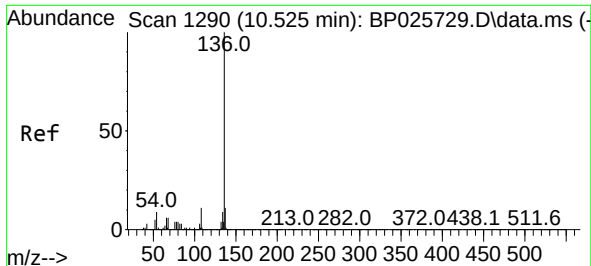
Tgt Ion:	70	Resp:	66658
Ion	Ratio	Lower	Upper
70	100		
42	60.5	49.0	73.4
101	8.1	7.9	11.9
130	18.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 6.980 ng
RT: 8.537 min Scan# 952
Delta R.T. 0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	107	Resp:	81267
Ion	Ratio	Lower	Upper
107	100		
108	91.1	67.8	107.8
77	35.3	16.1	56.1
79	30.3	10.5	50.5

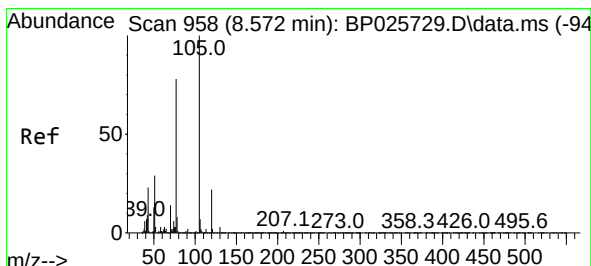
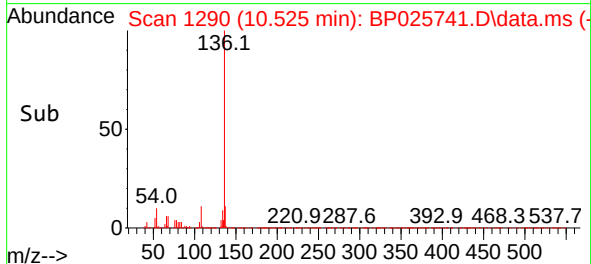
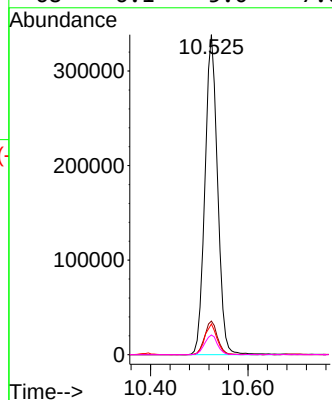
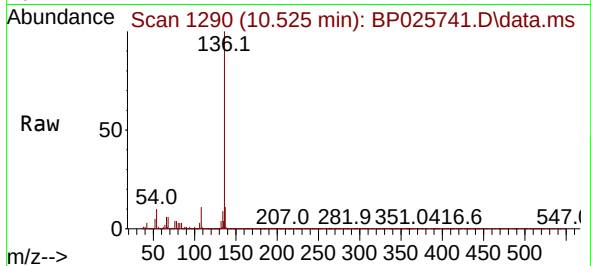




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.525 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

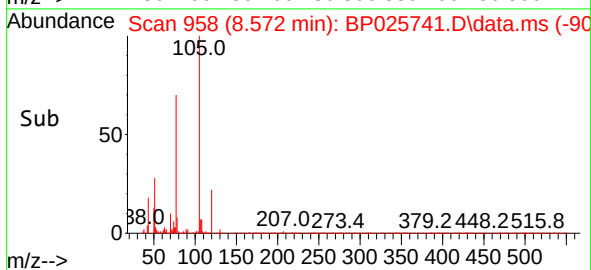
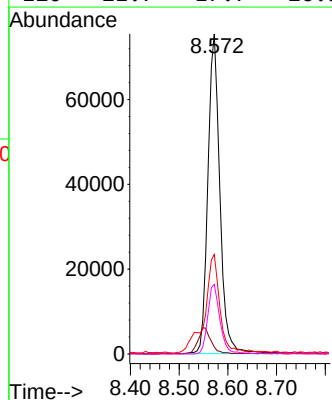
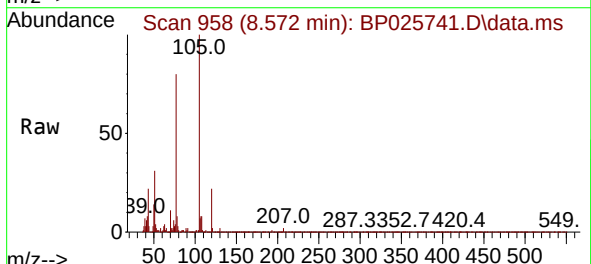
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

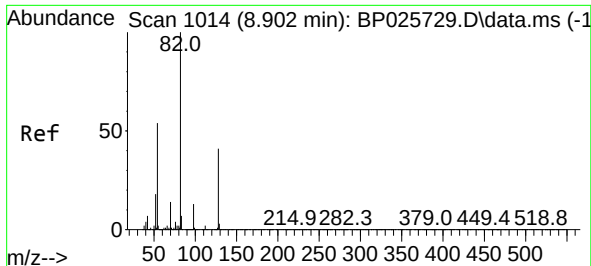
Tgt Ion:	136	Resp:	607890
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	9.6	7.5	11.3
68	6.1	5.0	7.6



#22
Acetophenone
Concen: 7.904 ng
RT: 8.572 min Scan# 958
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	105	Resp:	128397
Ion	Ratio	Lower	Upper
105	100		
71	2.2	1.8	2.8
51	31.1	23.5	35.3
120	21.7	17.7	26.5

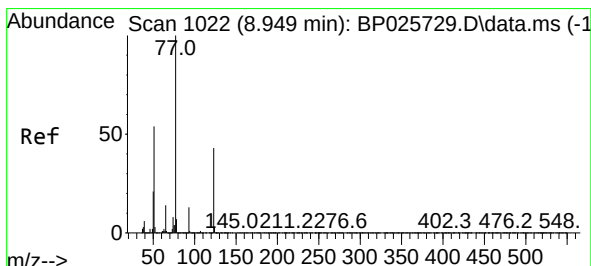
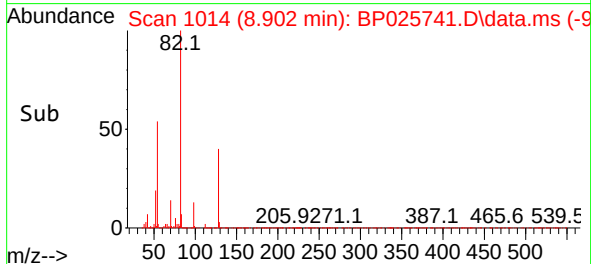
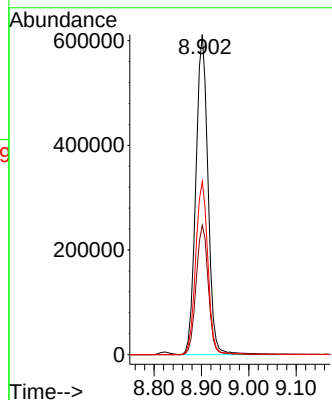
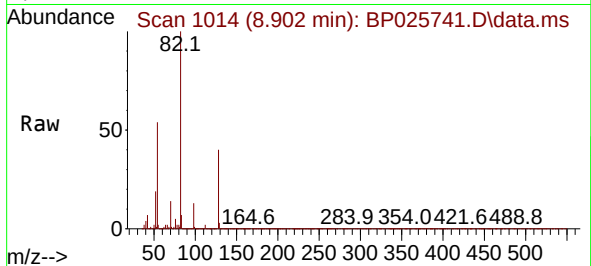




#23
Nitrobenzene-d5
Concen: 79.055 ng
RT: 8.902 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

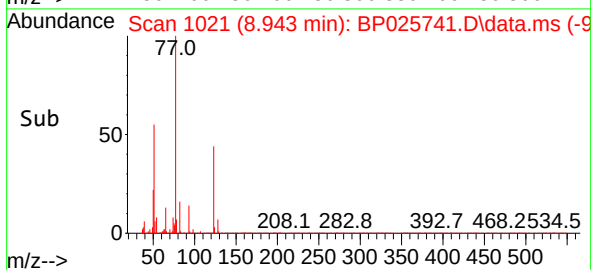
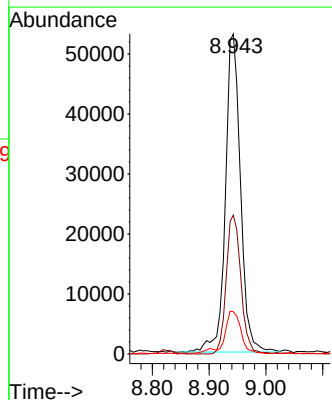
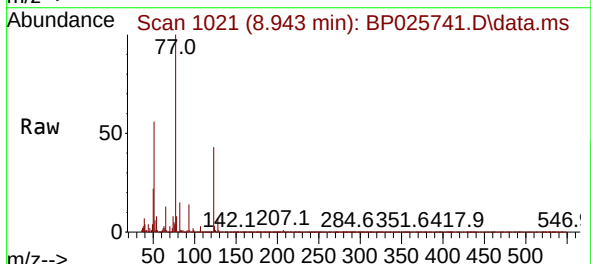
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

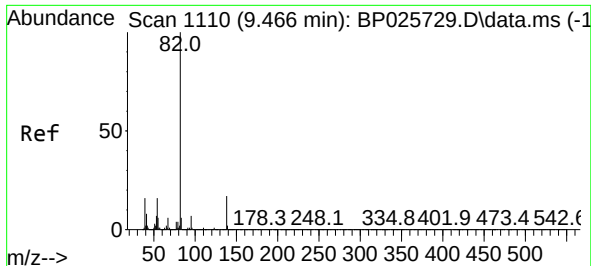
Tgt Ion: 82 Resp: 1089453
Ion Ratio Lower Upper
82 100
128 40.5 32.9 49.3
54 54.1 43.4 65.2



#24
Nitrobenzene
Concen: 7.956 ng
RT: 8.943 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 77 Resp: 98358
Ion Ratio Lower Upper
77 100
123 43.4 34.4 51.6
65 13.2 10.8 16.2

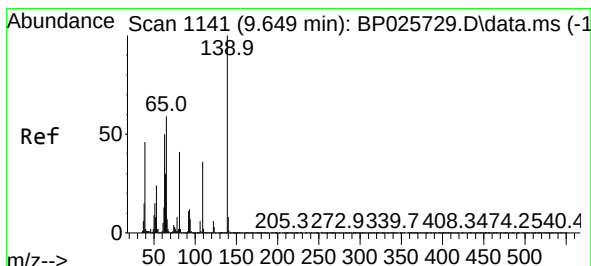
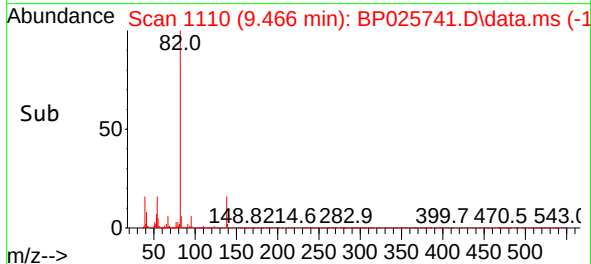
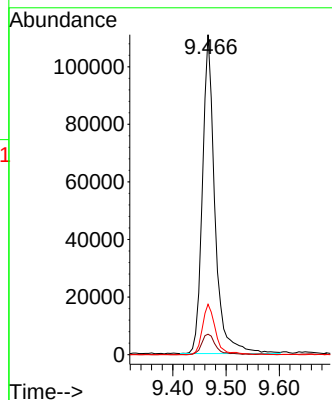
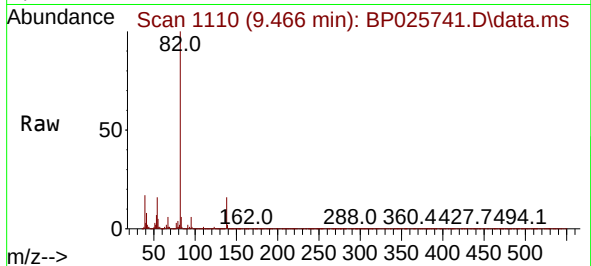




#25
Isophorone
Concen: 7.417 ng
RT: 9.466 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

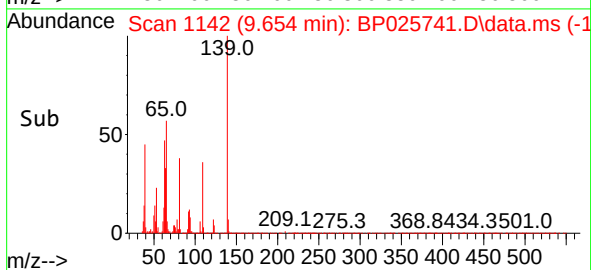
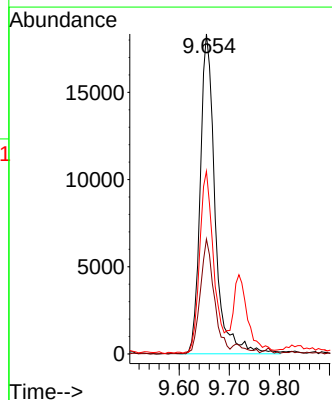
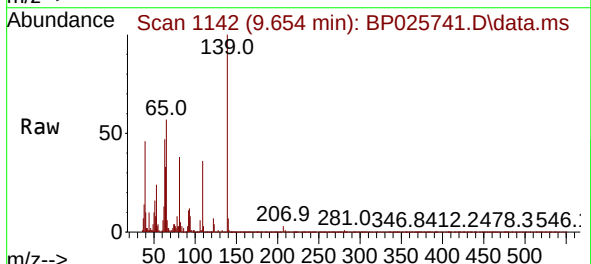
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

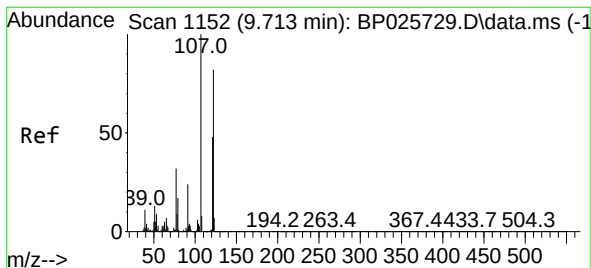
Tgt Ion: 82 Resp: 179660
Ion Ratio Lower Upper
82 100
95 6.4 5.8 8.8
138 15.8 13.5 20.3



#26
2-Nitrophenol
Concen: 6.875 ng
RT: 9.654 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion: 139 Resp: 37737
Ion Ratio Lower Upper
139 100
109 35.9 29.0 43.4
65 57.1 46.9 70.3





#27

2,4-Dimethylphenol

Concen: 7.120 ng

RT: 9.719 min Scan# 1152

Delta R.T. 0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

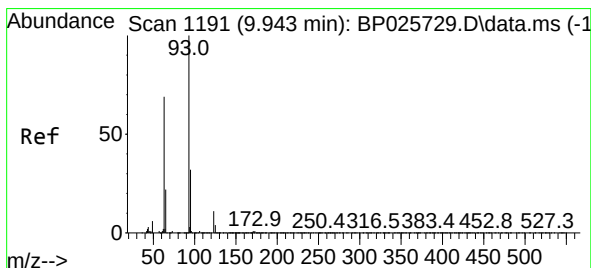
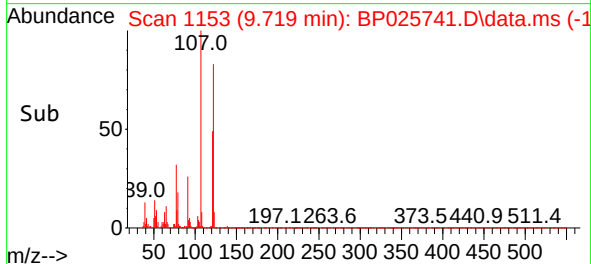
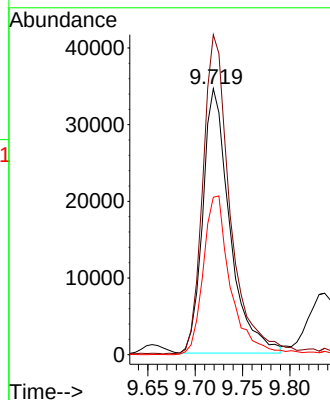
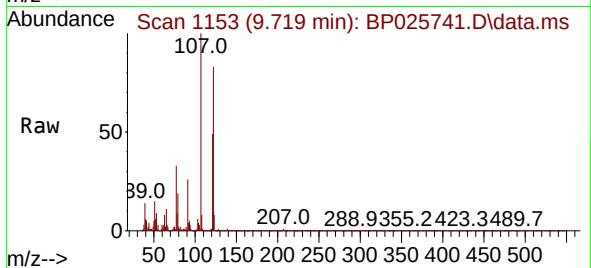
Tgt Ion:122 Resp: 68558

Ion Ratio Lower Upper

122 100

107 120.2 97.9 146.9

121 59.2 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 7.634 ng

RT: 9.943 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

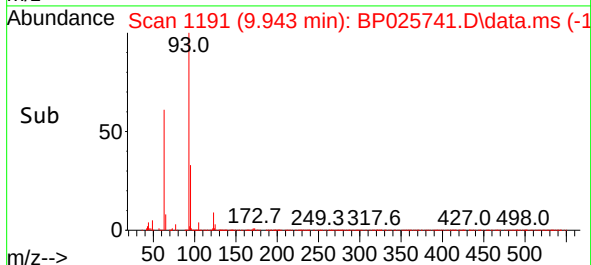
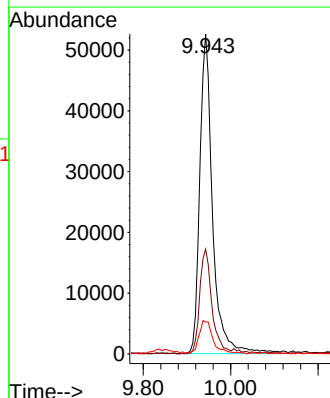
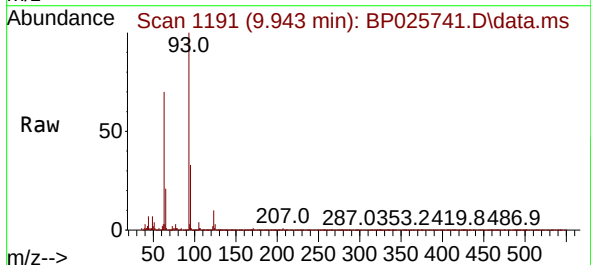
Tgt Ion: 93 Resp: 106891

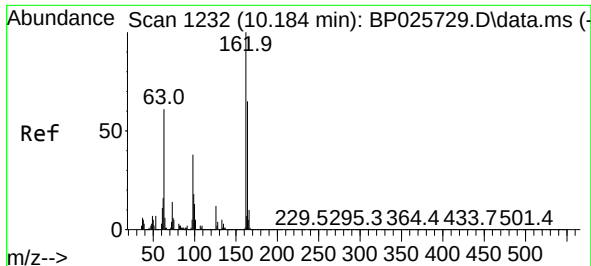
Ion Ratio Lower Upper

93 100

95 32.7 25.6 38.4

123 10.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 6.791 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.029 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

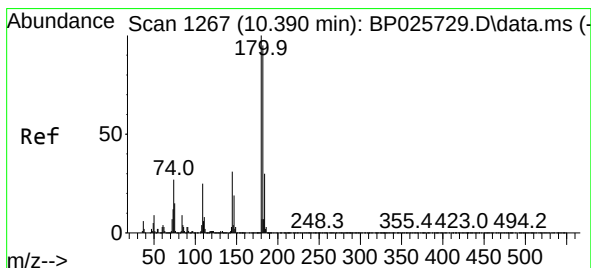
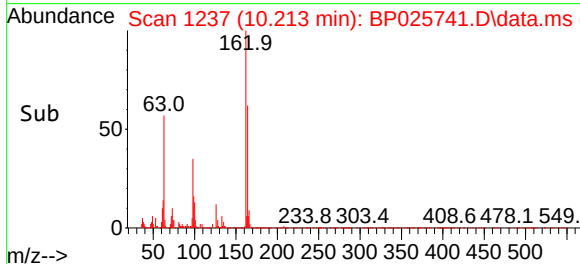
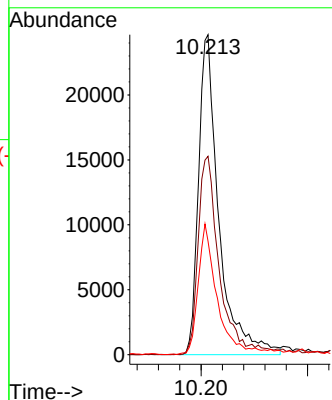
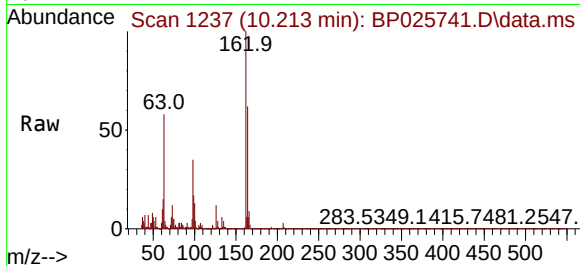
Tgt Ion:162 Resp: 65201

Ion Ratio Lower Upper

162 100

164 62.0 44.7 84.7

98 35.4 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 7.591 ng

RT: 10.390 min Scan# 1267

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

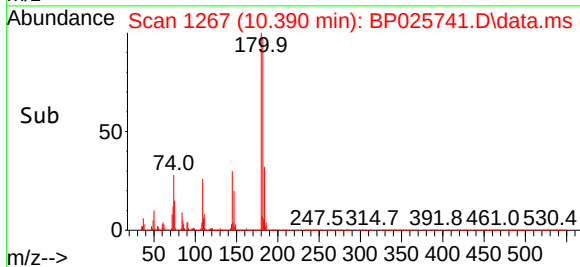
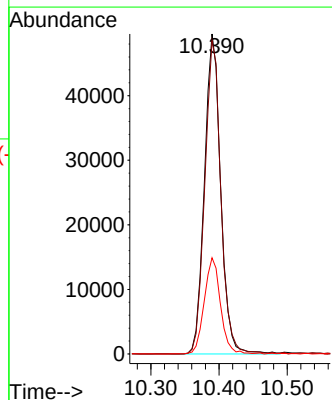
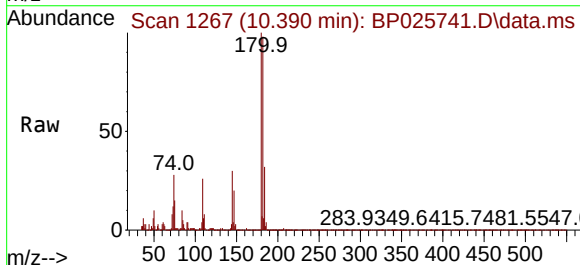
Tgt Ion:180 Resp: 82135

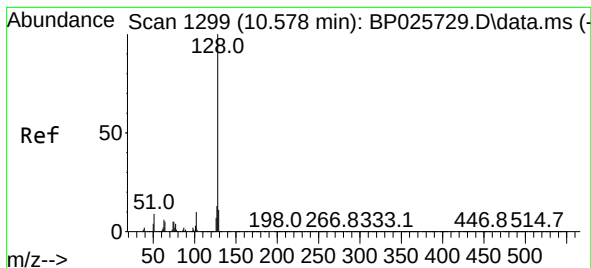
Ion Ratio Lower Upper

180 100

182 97.9 76.0 114.0

145 30.0 24.7 37.1





#31

Naphthalene

Concen: 7.708 ng

RT: 10.578 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

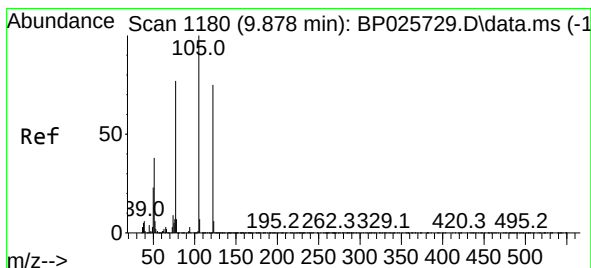
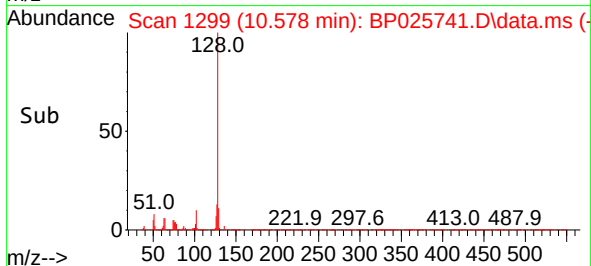
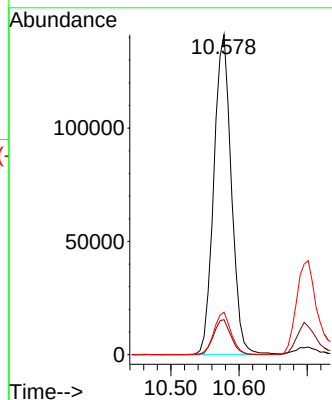
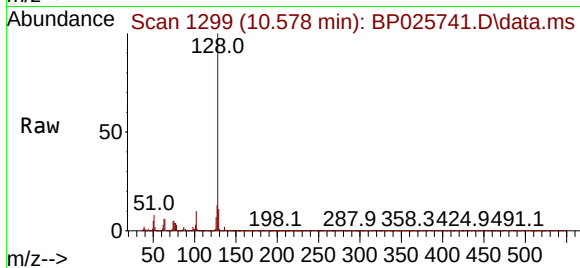
Tgt Ion:128 Resp: 252653

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.3 10.2 15.4



#32

Benzoic acid

Concen: 3.304 ng

RT: 9.837 min Scan# 1173

Delta R.T. -0.041 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

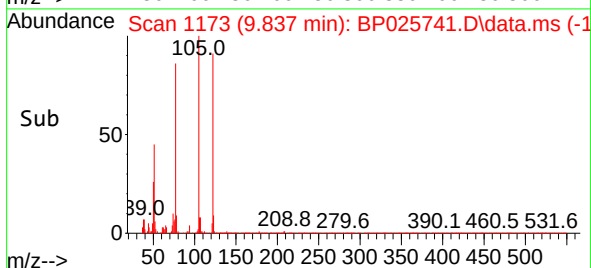
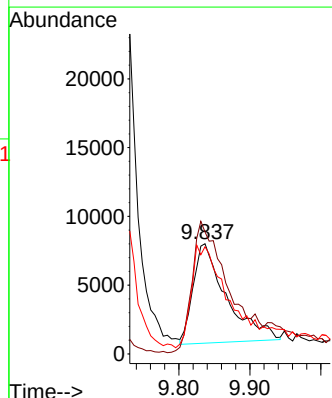
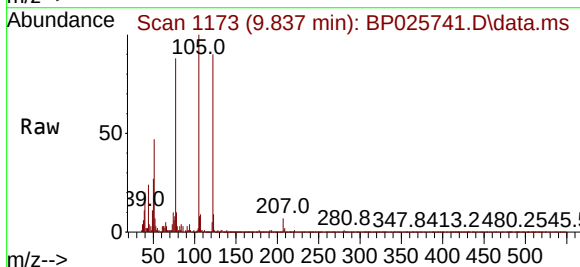
Tgt Ion:122 Resp: 23654

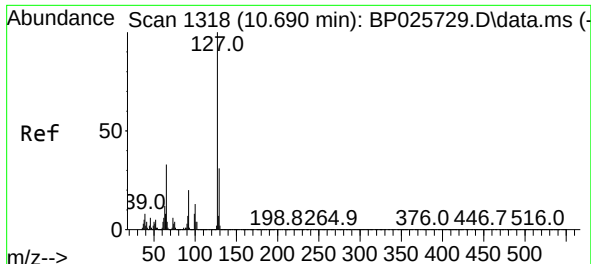
Ion Ratio Lower Upper

122 100

105 110.7 111.5 151.5#

77 97.3 81.8 121.8

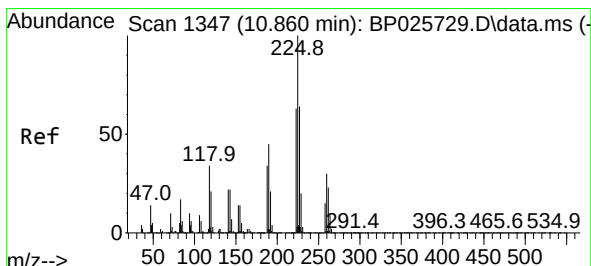
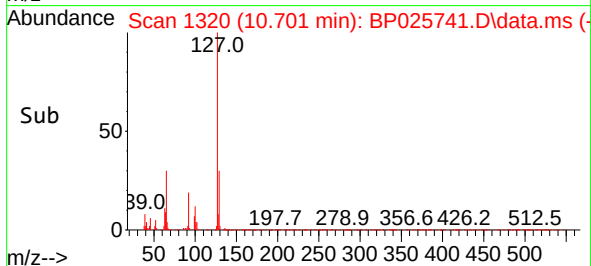
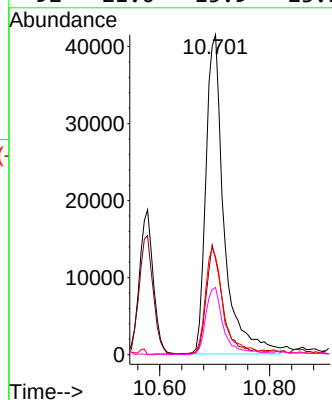
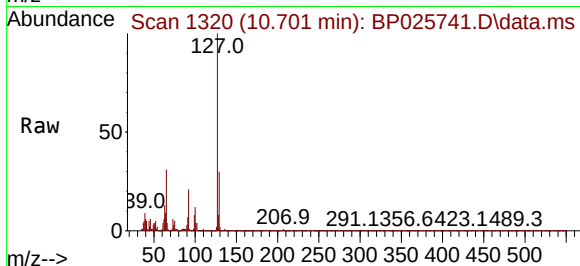




#33
4-Chloroaniline
Concen: 6.963 ng
RT: 10.701 min Scan# 1320
Delta R.T. 0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

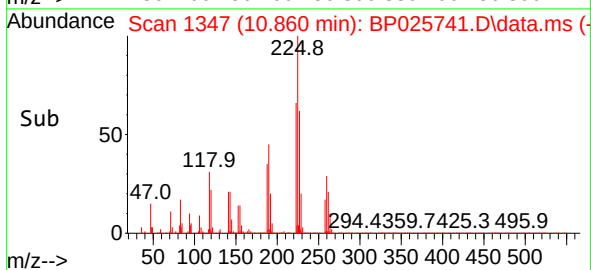
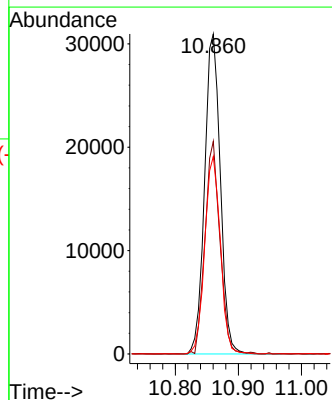
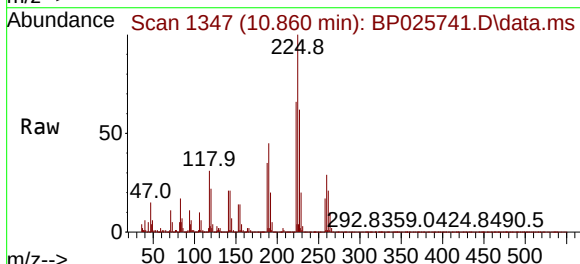
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

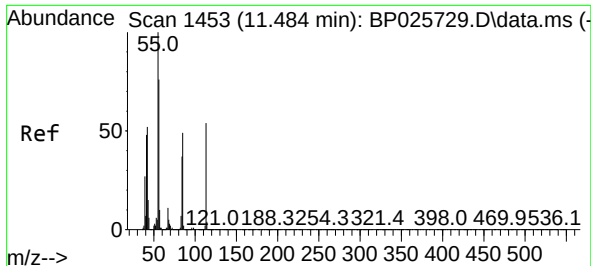
Tgt Ion:	127	Resp:	95131
Ion	Ratio	Lower	Upper
127	100		
129	30.0	25.1	37.7
65	30.5	26.4	39.6
92	21.0	15.9	23.9



#34
Hexachlorobutadiene
Concen: 7.664 ng
RT: 10.860 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	225	Resp:	53381
Ion	Ratio	Lower	Upper
225	100		
223	66.5	50.1	75.1
227	61.7	51.2	76.8

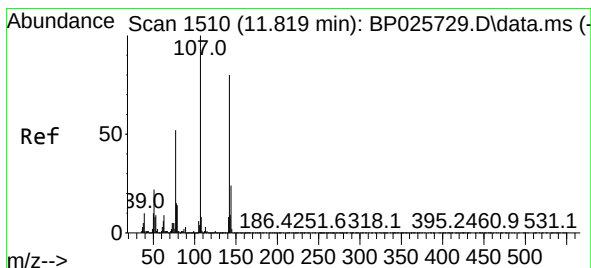
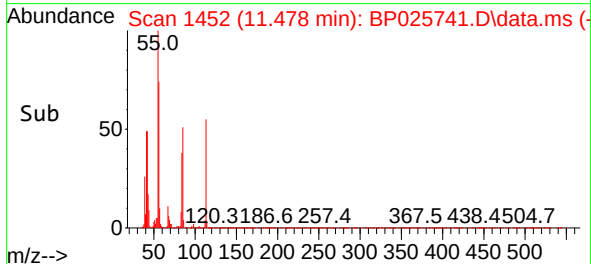
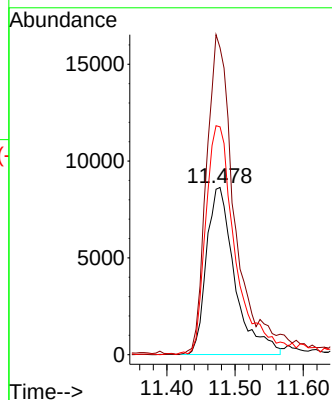
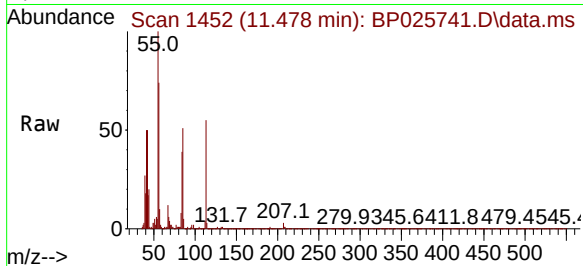




#35
Caprolactam
Concen: 6.736 ng
RT: 11.478 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

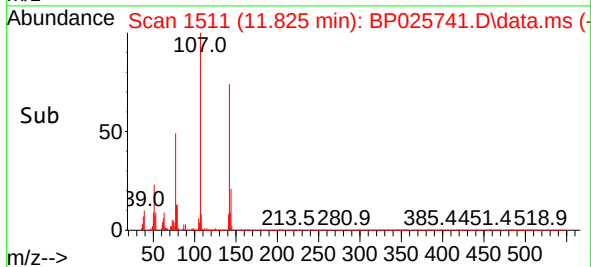
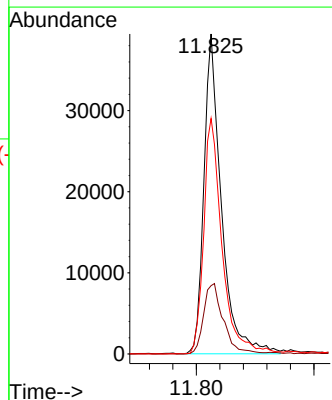
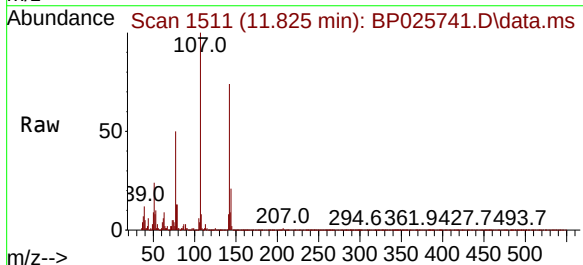
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

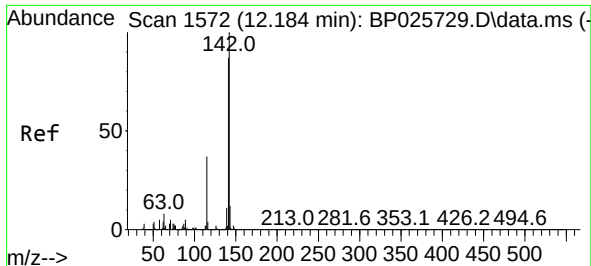
Tgt Ion:	113	Resp:	24932
Ion Ratio	Lower	Upper	
113	100		
55	183.4	165.5	205.5
56	136.3	121.1	161.1



#36
4-Chloro-3-methylphenol
Concen: 7.094 ng
RT: 11.825 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	107	Resp:	81197
Ion Ratio	Lower	Upper	
107	100		
144	21.4	19.4	29.2
142	73.6	63.8	95.6

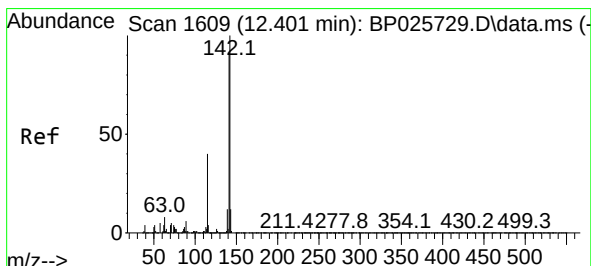
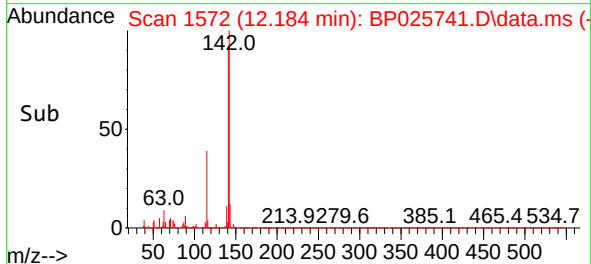
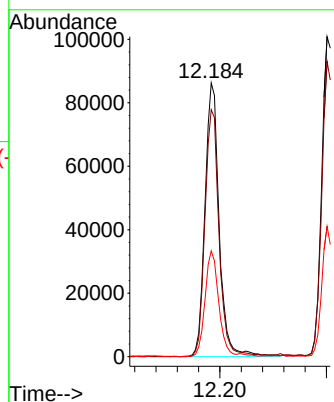
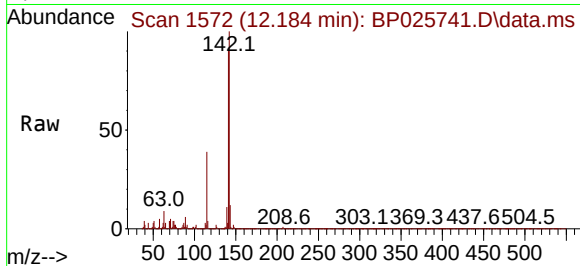




#37
2-Methylnaphthalene
Concen: 7.604 ng
RT: 12.184 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

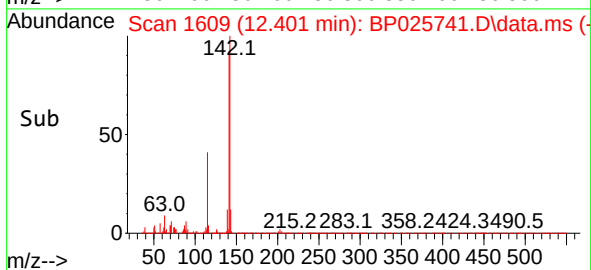
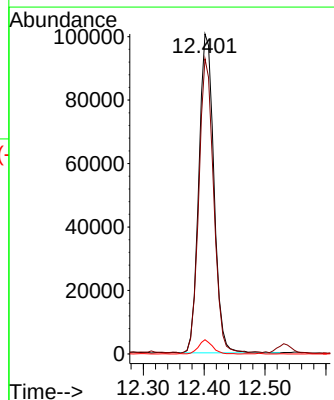
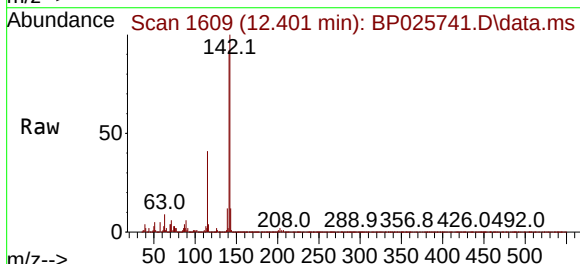
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

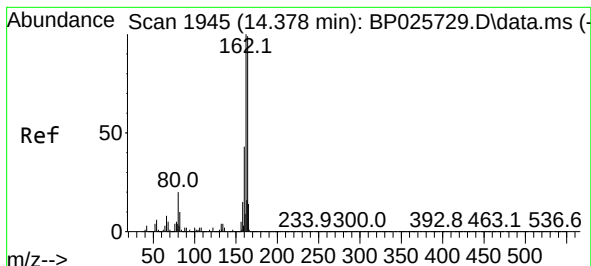
Tgt Ion:142 Resp: 160074
Ion Ratio Lower Upper
142 100
141 90.3 69.6 104.4
115 38.6 30.0 45.0



#38
1-Methylnaphthalene
Concen: 7.689 ng
RT: 12.401 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:142 Resp: 172613
Ion Ratio Lower Upper
142 100
141 92.2 72.7 109.1
116 4.5 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.378 min Scan# 1945

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

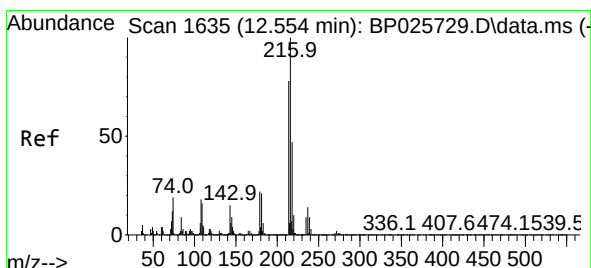
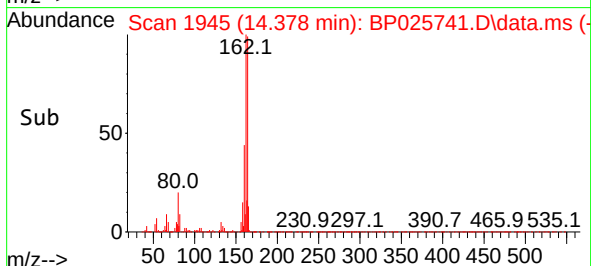
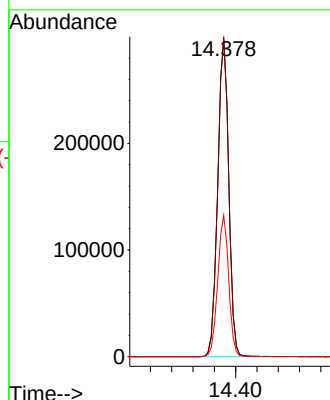
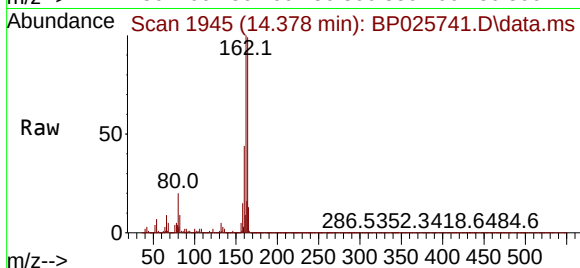
Tgt Ion:164 Resp: 427665

Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

160 44.5 35.0 52.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.767 ng

RT: 12.554 min Scan# 1635

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Tgt Ion:216 Resp: 100659

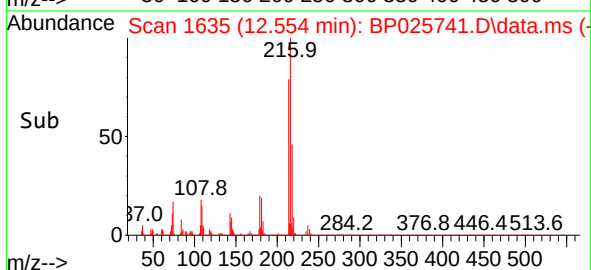
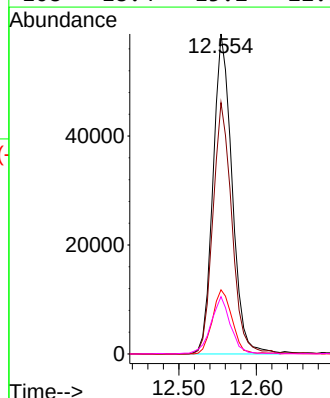
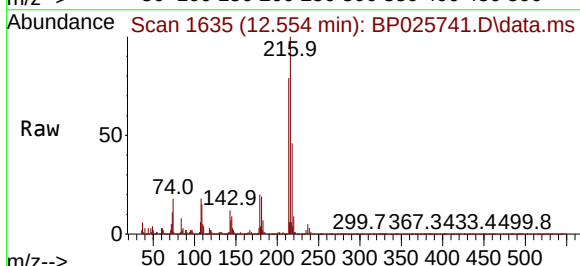
Ion Ratio Lower Upper

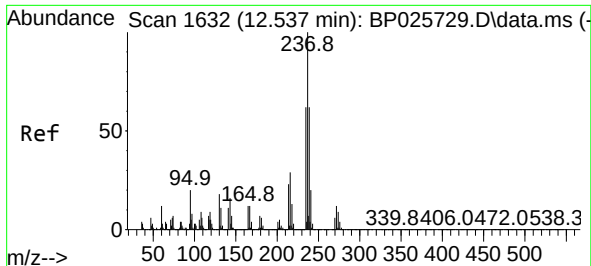
216 100

214 78.3 62.4 93.6

179 20.5 17.0 25.6

108 18.4 15.2 22.8

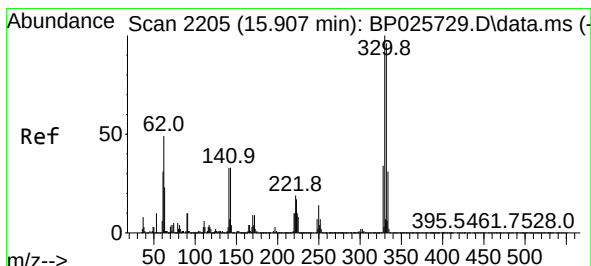
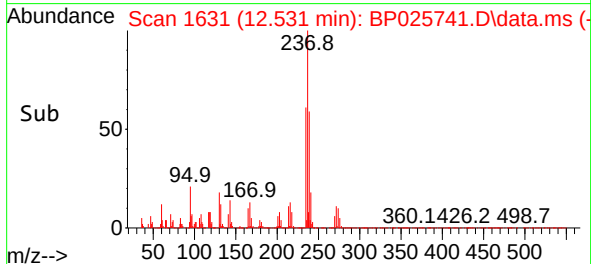
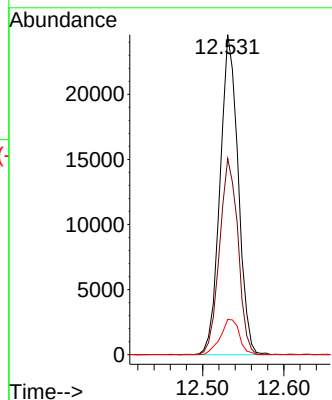
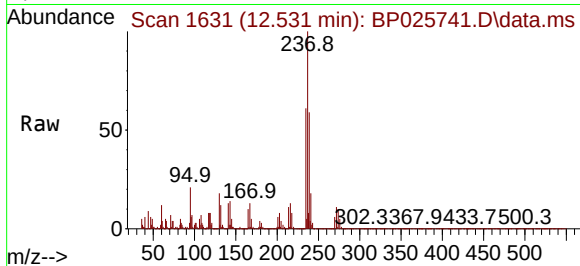




#41
Hexachlorocyclopentadiene
Concen: 5.412 ng
RT: 12.531 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

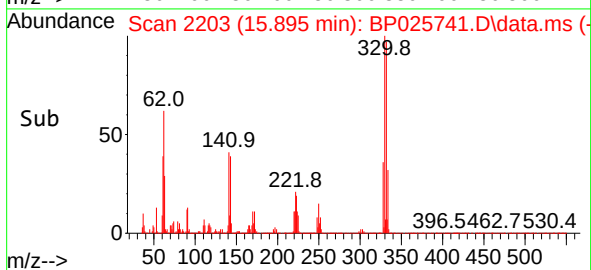
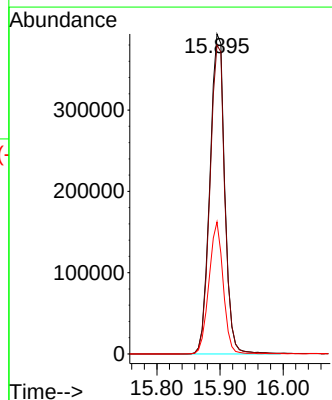
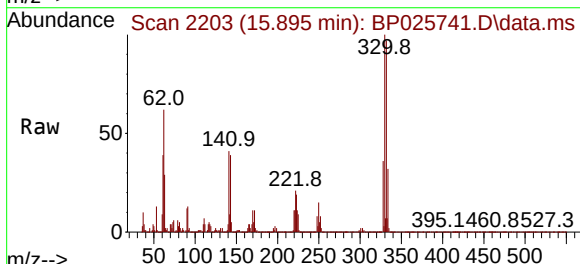
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

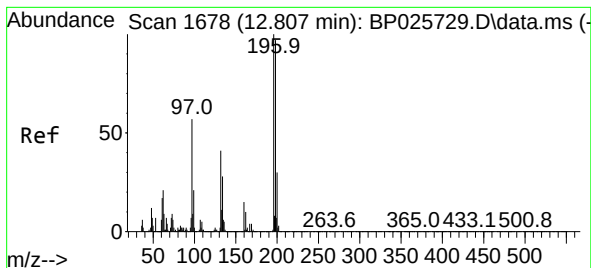
Tgt Ion:237 Resp: 38198
Ion Ratio Lower Upper
237 100
235 61.3 41.9 81.9
272 11.1 0.0 31.8



#42
2,4,6-Tribromophenol
Concen: 120.556 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:330 Resp: 643078
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 39.4 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 7.217 ng

RT: 12.807 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

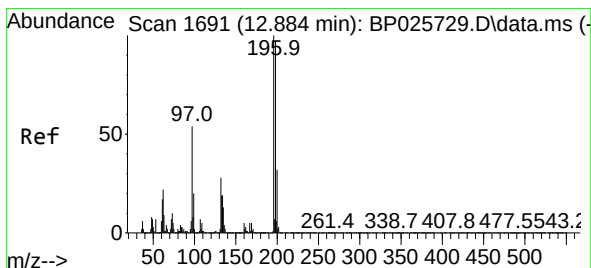
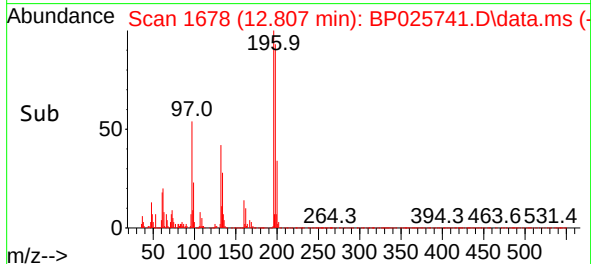
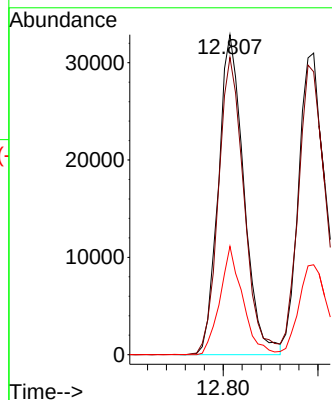
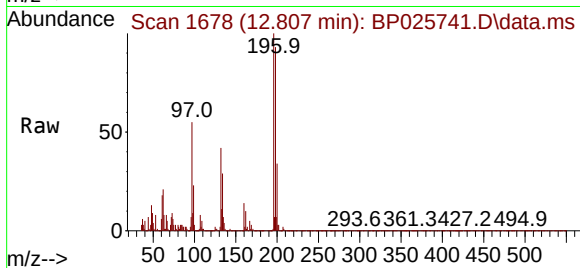
Tgt Ion:196 Resp: 61485

Ion Ratio Lower Upper

196 100

198 92.9 77.2 115.8

200 33.9 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 6.894 ng

RT: 12.895 min Scan# 1693

Delta R.T. 0.012 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Tgt Ion:196 Resp: 65368

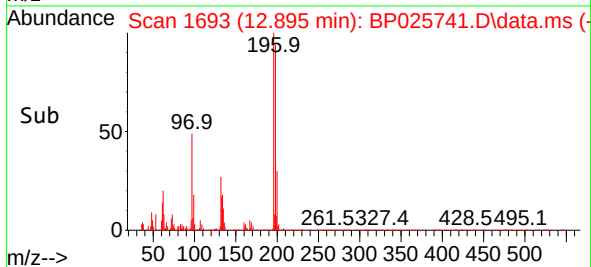
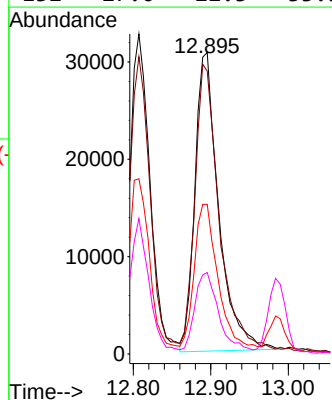
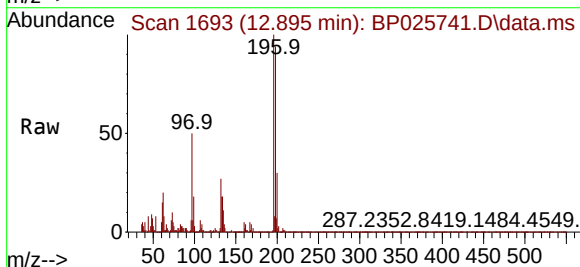
Ion Ratio Lower Upper

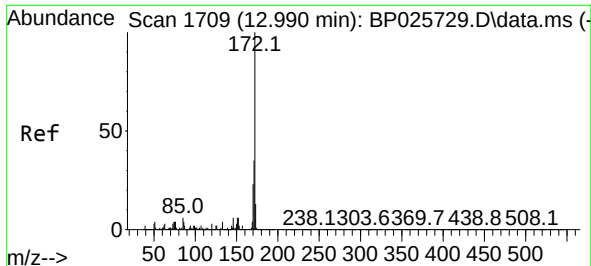
196 100

198 93.8 77.8 116.8

97 49.6 43.3 64.9

132 27.0 22.3 33.5

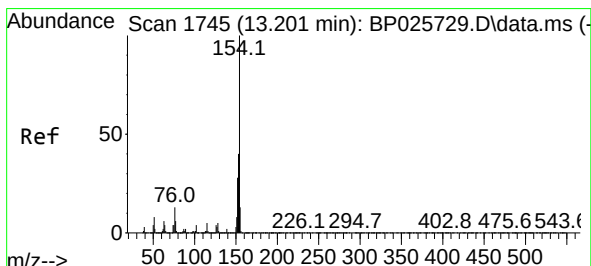
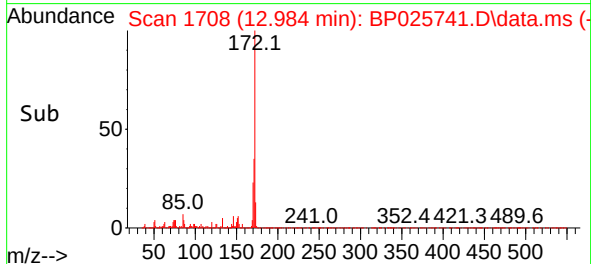
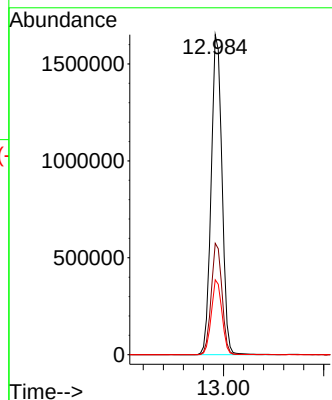
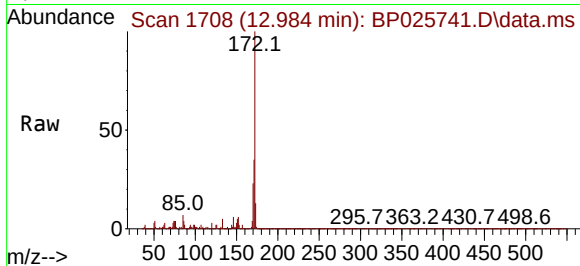




#45
2-Fluorobiphenyl
Concen: 77.093 ng
RT: 12.984 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

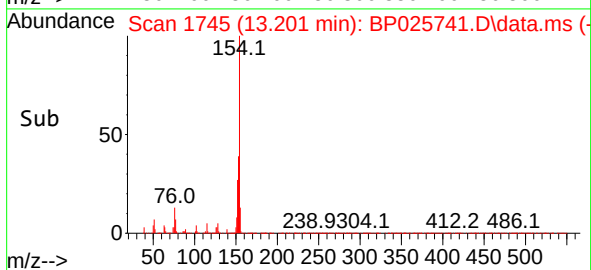
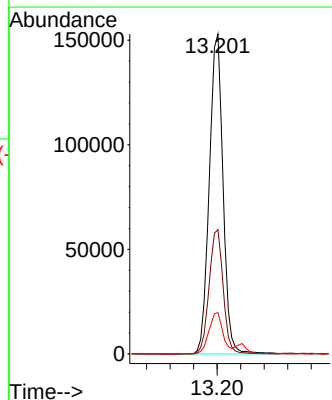
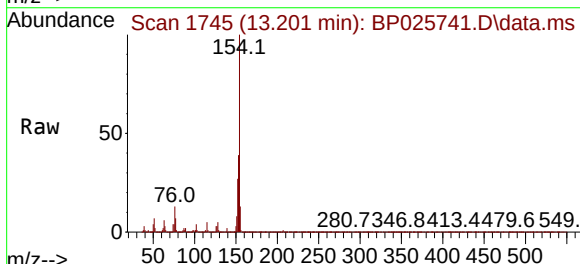
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

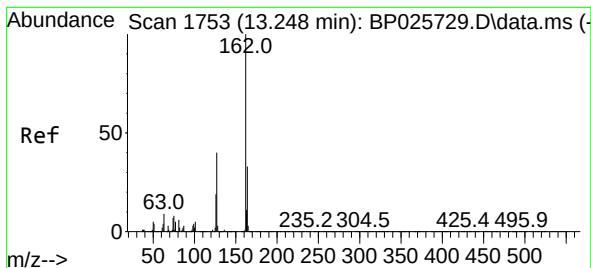
Tgt Ion:172 Resp: 2476140
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 7.933 ng
RT: 13.201 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:154 Resp: 249021
Ion Ratio Lower Upper
154 100
153 38.9 19.7 59.7
76 12.9 0.0 33.3

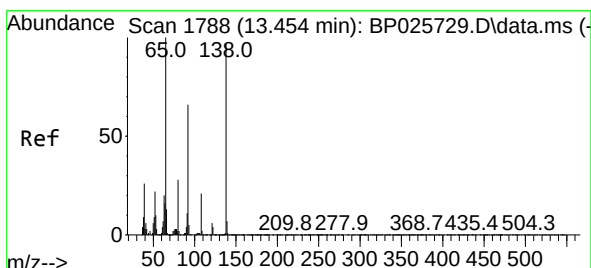
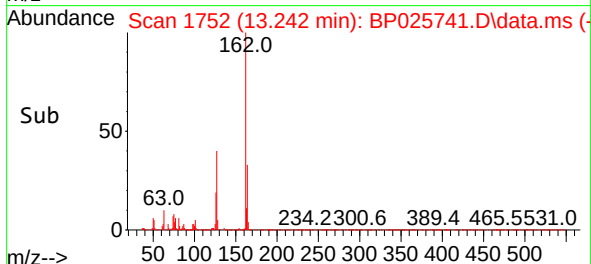
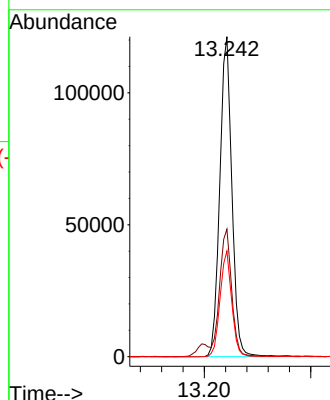
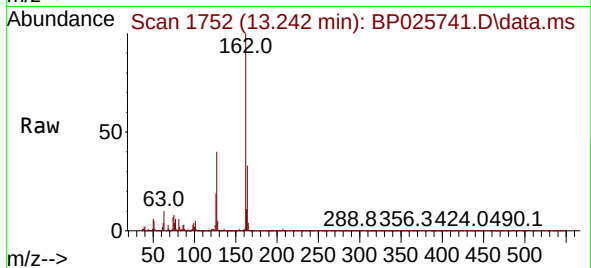




#47
2-Chloronaphthalene
Concen: 7.740 ng
RT: 13.242 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

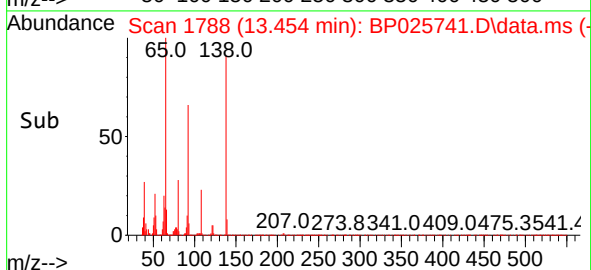
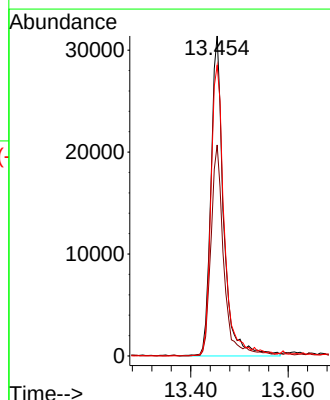
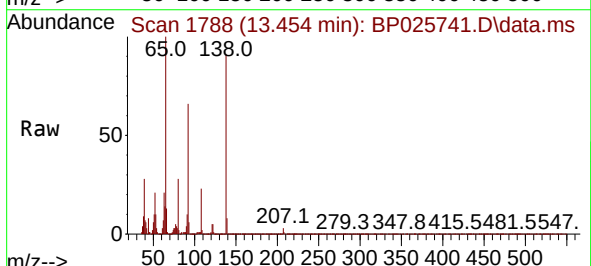
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

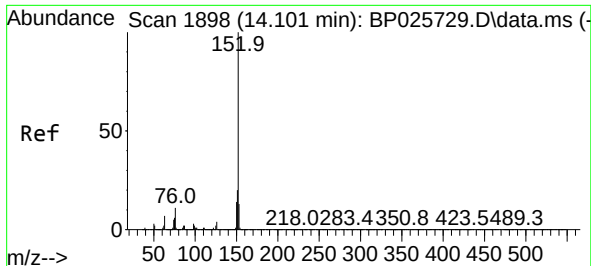
Tgt Ion:	162	Resp:	191301
Ion Ratio	Lower	Upper	
162	100		
127	39.8	32.2	48.4
164	33.0	26.5	39.7



#48
2-Nitroaniline
Concen: 6.883 ng
RT: 13.454 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	65	Resp:	56714
Ion Ratio	Lower	Upper	
65	100		
92	66.0	53.1	79.7
138	90.9	77.8	116.8

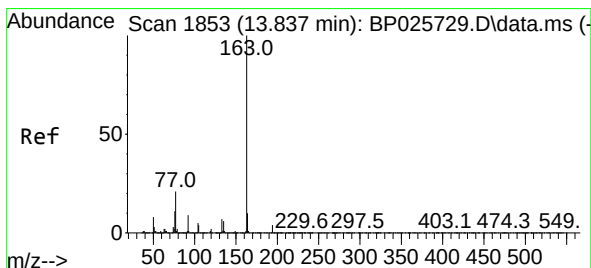
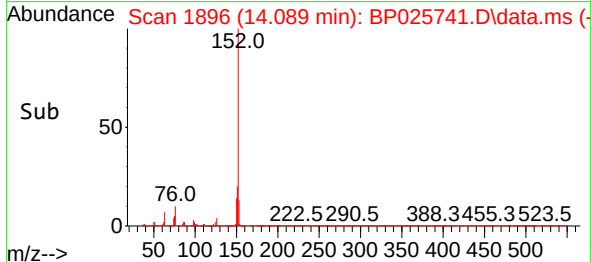
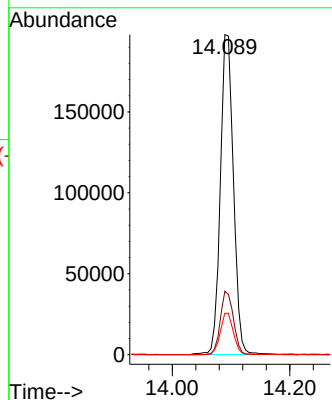
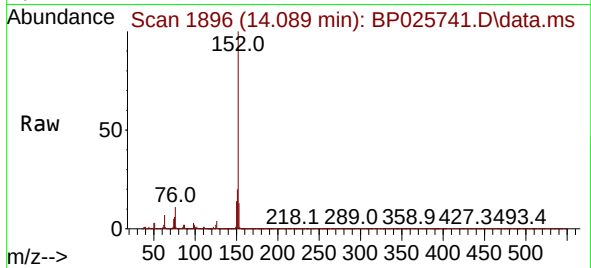




#49
Acenaphthylene
Concen: 7.484 ng
RT: 14.089 min Scan# 1896
Delta R.T. -0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

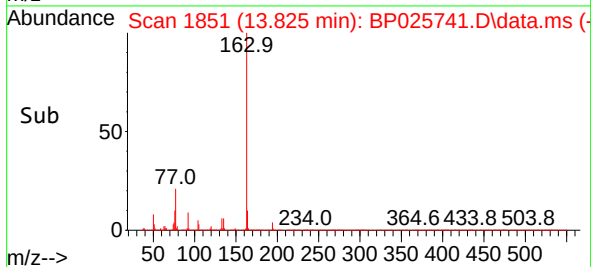
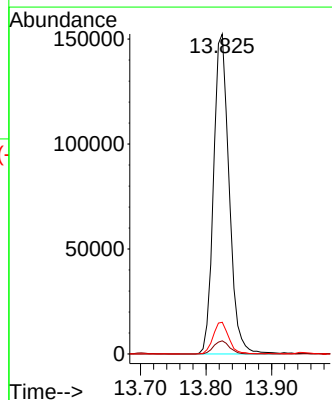
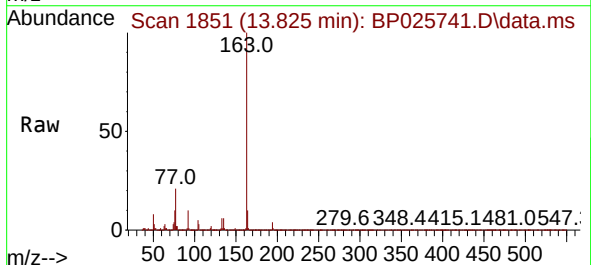
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

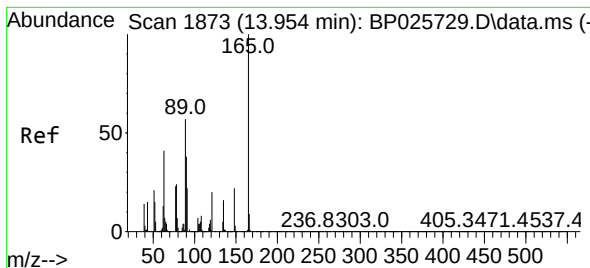
Tgt Ion:152 Resp: 306481
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.0 10.5 15.7



#50
Dimethylphthalate
Concen: 7.678 ng
RT: 13.825 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:163 Resp: 250707
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.9 8.2 12.2

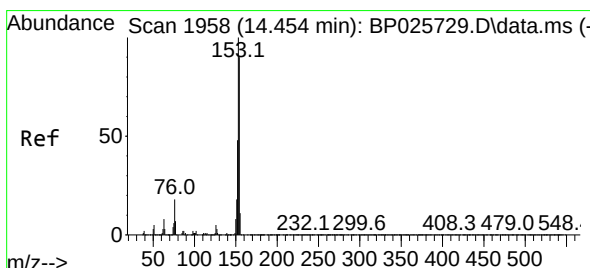
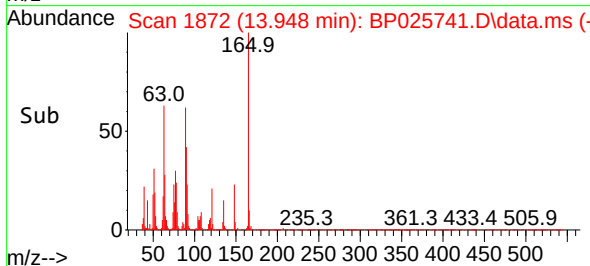
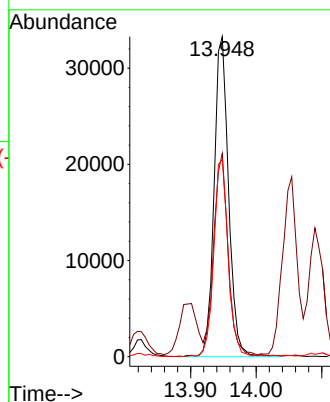
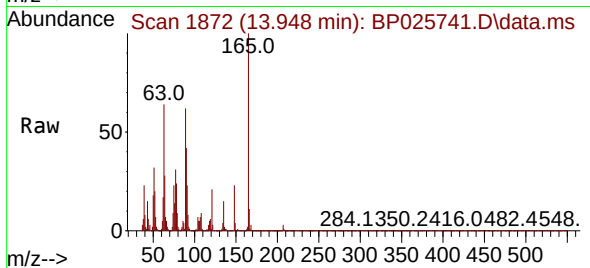




#51
2,6-Dinitrotoluene
Concen: 7.361 ng
RT: 13.948 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

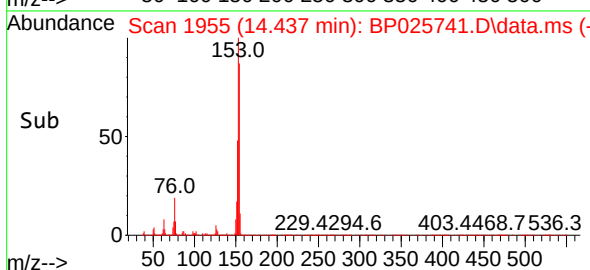
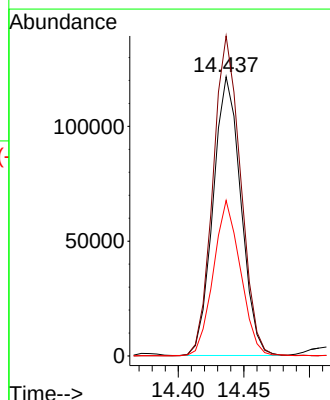
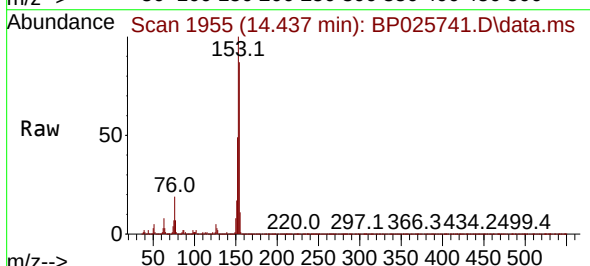
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

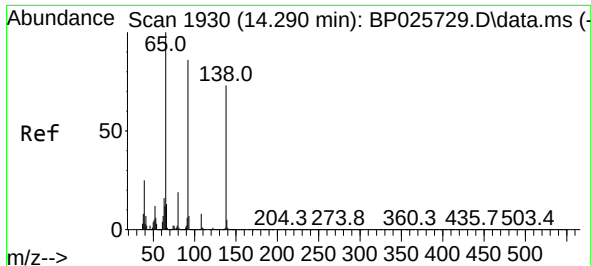
Tgt Ion:	165	Resp:	50921
Ion Ratio	Lower	Upper	
165	100		
63	63.5	48.1	72.1
89	61.6	45.4	68.0



#52
Acenaphthene
Concen: 7.572 ng
RT: 14.437 min Scan# 1955
Delta R.T. -0.018 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	154	Resp:	178840
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.4	134.0
152	55.7	42.5	63.7

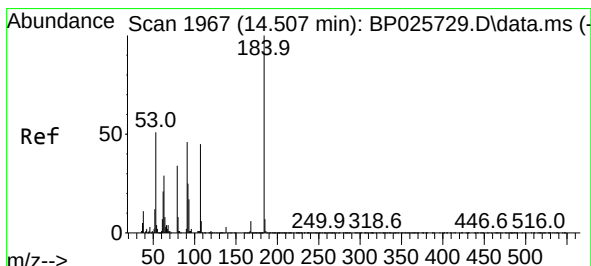
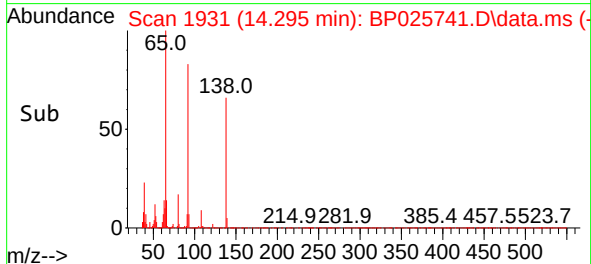
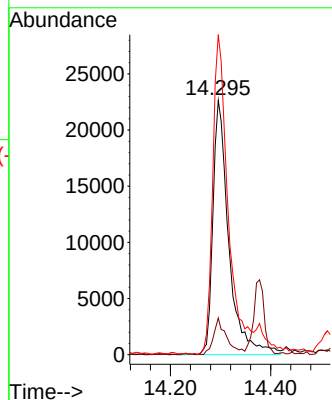
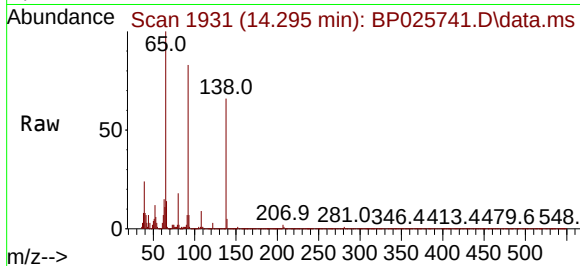




#53
3-Nitroaniline
Concen: 6.845 ng
RT: 14.295 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

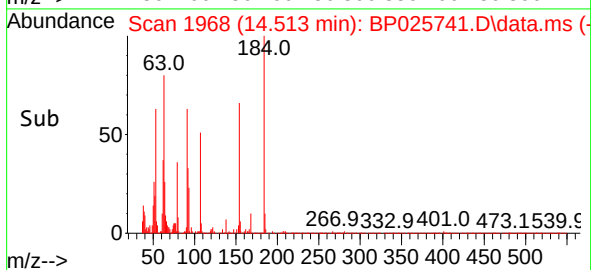
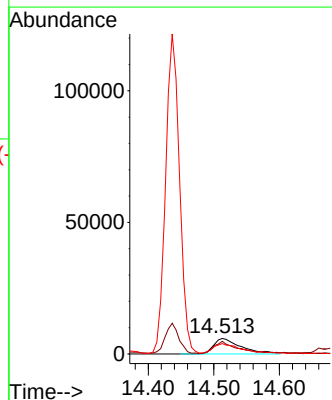
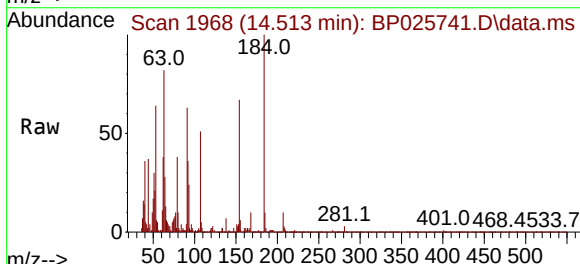
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

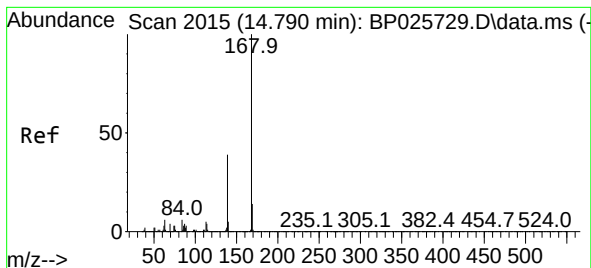
Tgt Ion:138 Resp: 49794
Ion Ratio Lower Upper
138 100
108 14.4 8.7 13.1#
92 125.8 94.6 142.0



#54
2,4-Dinitrophenol
Concen: 8.395 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:184 Resp: 17092
Ion Ratio Lower Upper
184 100
63 81.9 52.5 78.7#
154 66.5 51.5 77.3





#55

Dibenzenofuran

Concen: 7.704 ng

RT: 14.778 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

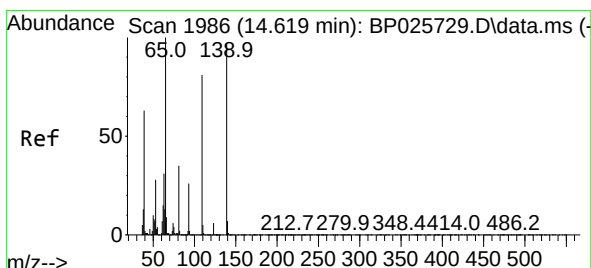
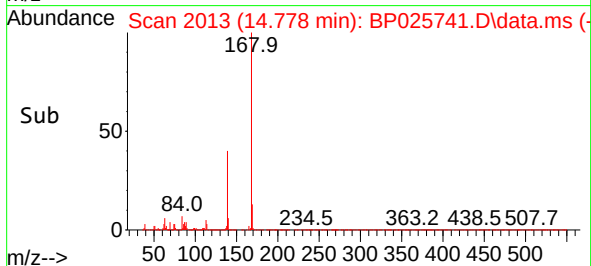
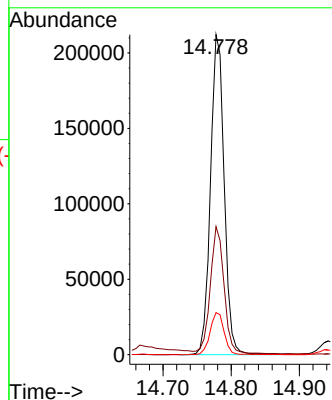
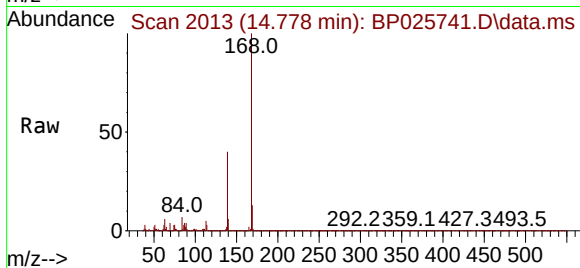
Tgt Ion:168 Resp: 296526

Ion Ratio Lower Upper

168 100

139 40.0 31.7 47.5

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 7.872 ng

RT: 14.666 min Scan# 1994

Delta R.T. 0.047 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

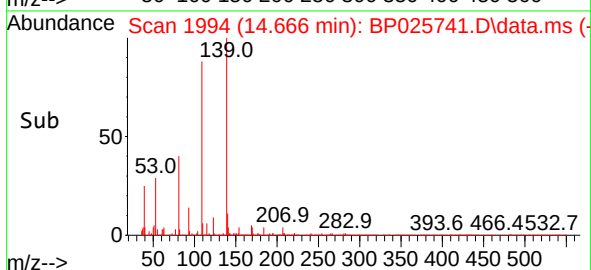
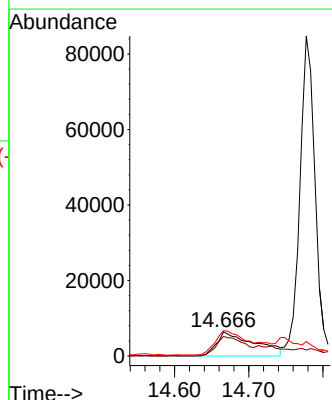
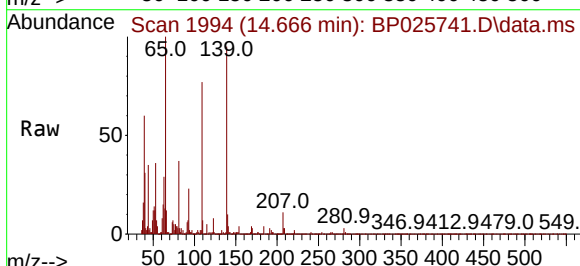
Tgt Ion:139 Resp: 22492

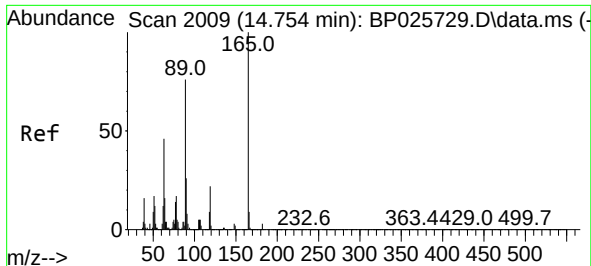
Ion Ratio Lower Upper

139 100

109 81.0 62.9 102.9

65 105.0 83.4 123.4

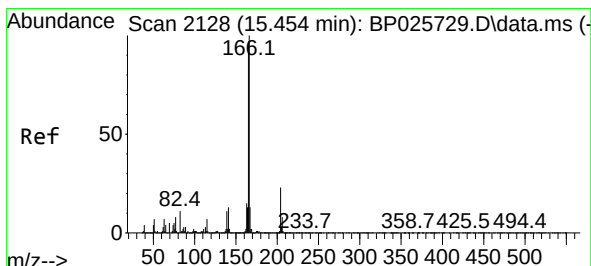
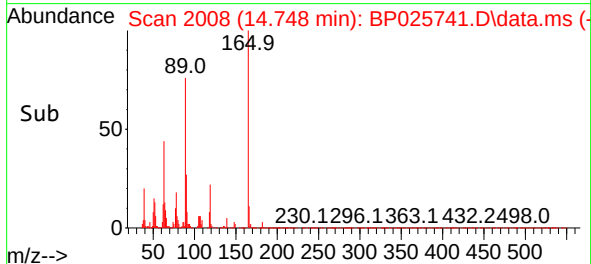
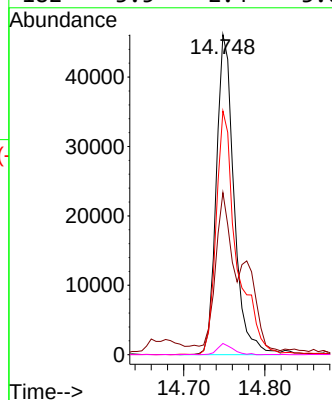
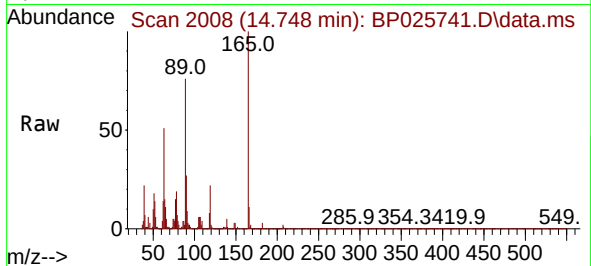




#57
2,4-Dinitrotoluene
Concen: 7.104 ng
RT: 14.748 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

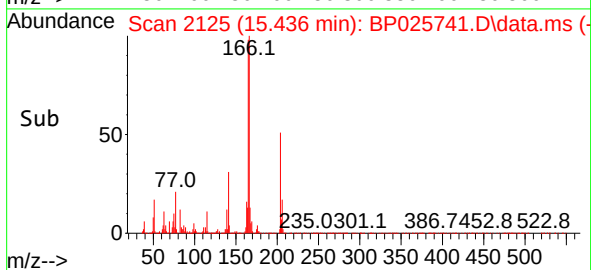
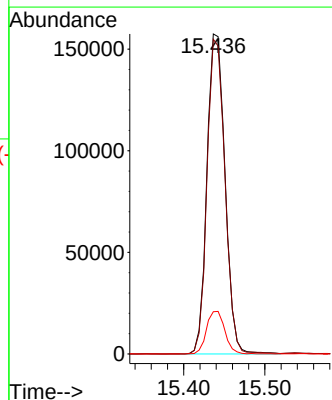
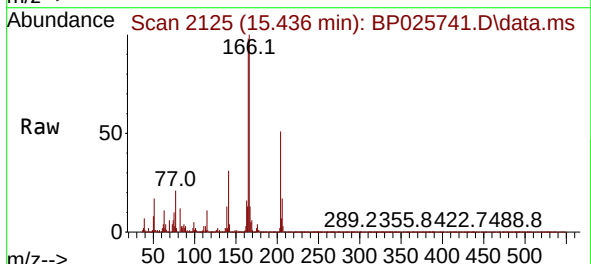
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

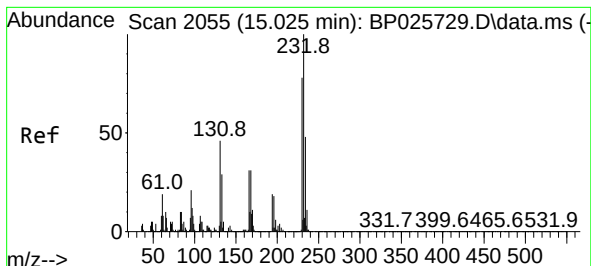
Tgt Ion:	165	Resp:	69934
Ion Ratio	Lower	Upper	
165	100		
63	50.7	37.7	56.5
89	76.1	61.0	91.6
182	3.5	2.4	3.6



#58
Fluorene
Concen: 7.959 ng
RT: 15.436 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	166	Resp:	243617
Ion Ratio	Lower	Upper	
166	100		
165	98.3	77.7	116.5
167	13.2	10.6	16.0

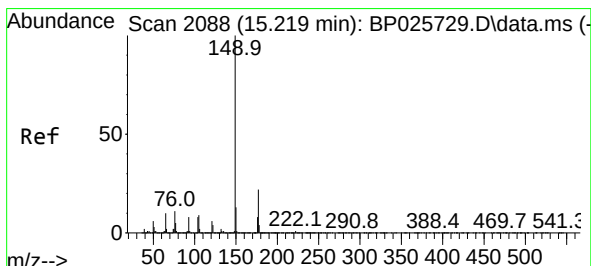
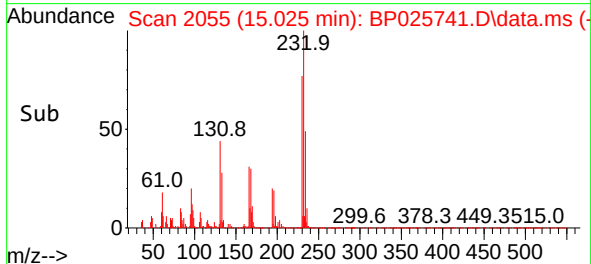
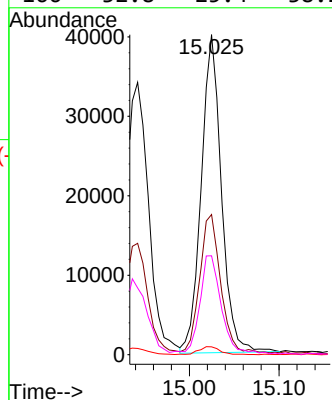
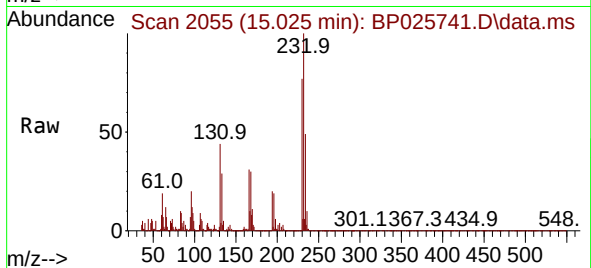




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.334 ng
RT: 15.025 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

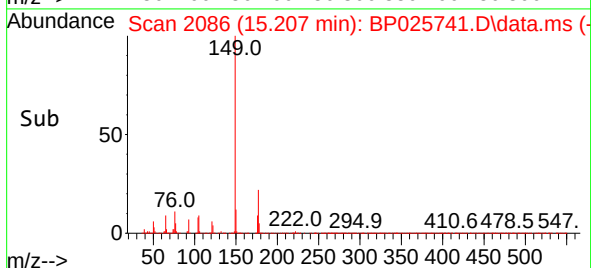
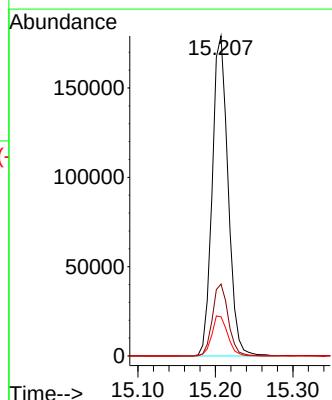
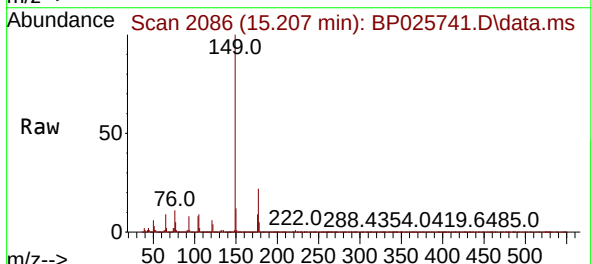
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

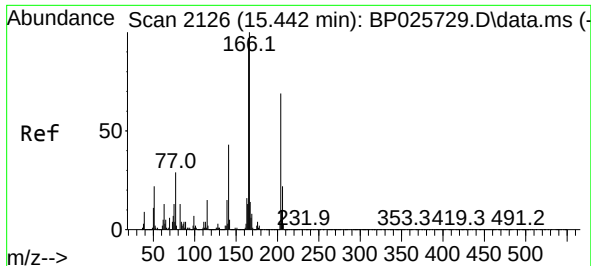
Tgt Ion:232	Resp:	62641
Ion Ratio	Lower	Upper
232	100	
131	45.2	36.7 55.1
130	2.7	2.0 3.0
166	32.8	25.4 38.2



#60
Diethylphthalate
Concen: 7.690 ng
RT: 15.207 min Scan# 2086
Delta R.T. -0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:149	Resp:	254696
Ion Ratio	Lower	Upper
149	100	
177	22.4	17.7 26.5
150	12.3	10.0 15.0

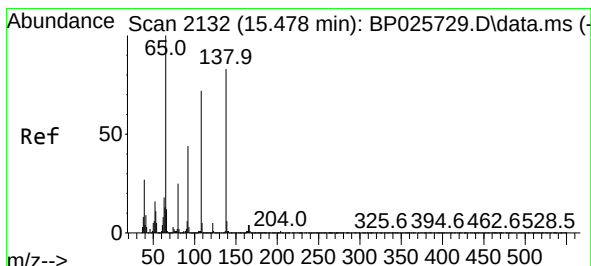
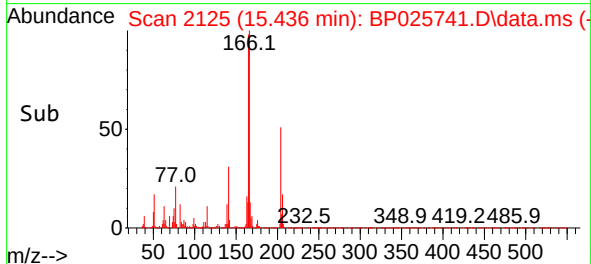
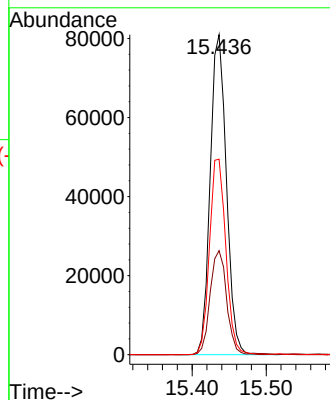
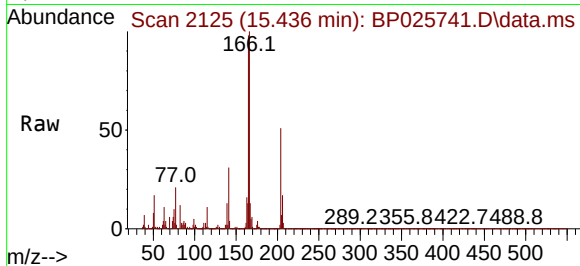




#61
4-Chlorophenyl-phenylether
Concen: 7.969 ng
RT: 15.436 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

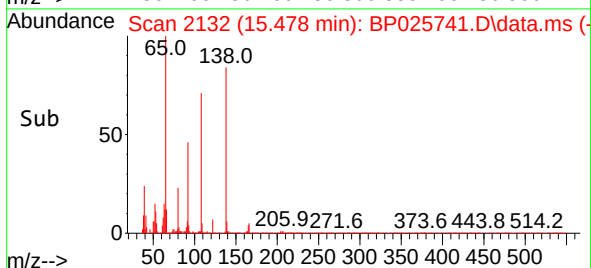
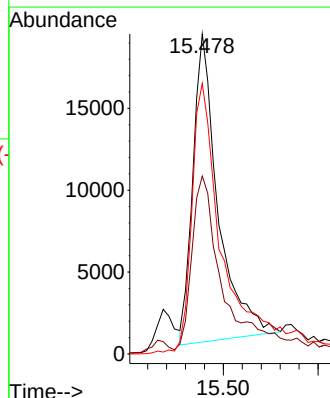
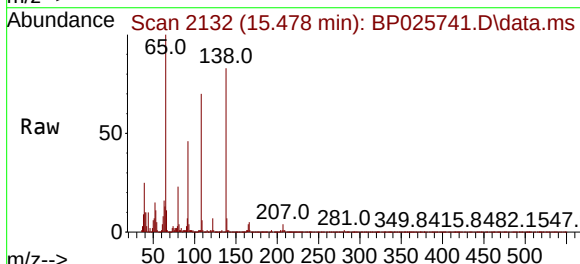
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

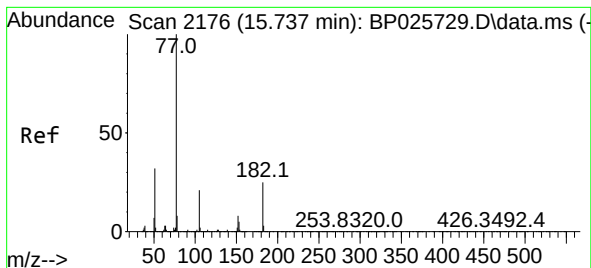
Tgt Ion:204 Resp: 122926
Ion Ratio Lower Upper
204 100
206 32.5 26.0 39.0
141 61.1 49.7 74.5



#62
4-Nitroaniline
Concen: 4.683 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:138 Resp: 34901
Ion Ratio Lower Upper
138 100
92 55.6 33.3 73.3
108 84.5 66.7 106.7





#63

Azobenzene

Concen: 7.508 ng

RT: 15.736 min Scan# 2176

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 77 Resp: 240424

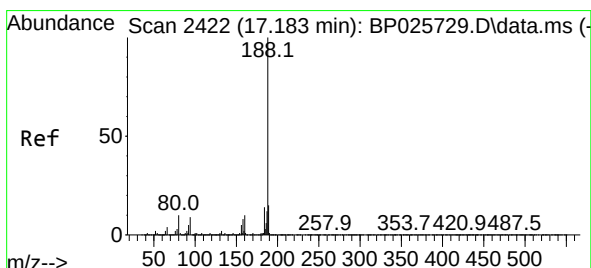
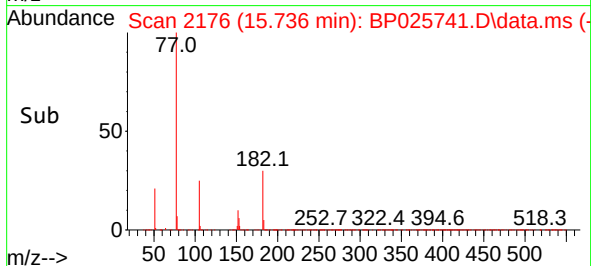
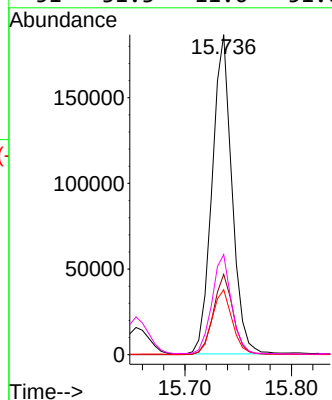
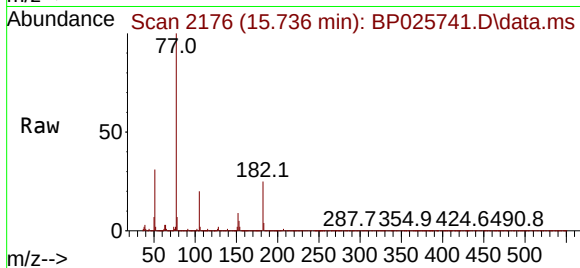
Ion Ratio Lower Upper

77 100

182 25.1 5.2 45.2

105 20.3 1.1 41.1

51 31.3 11.6 51.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.178 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

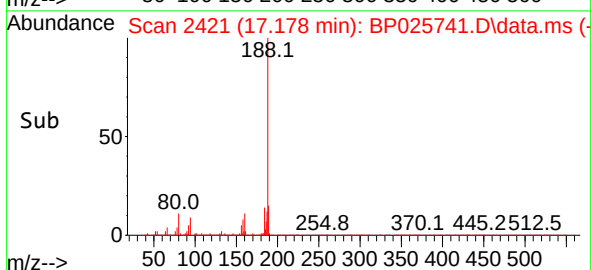
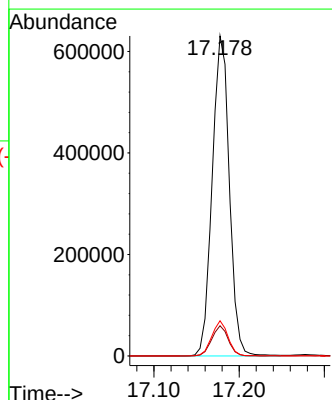
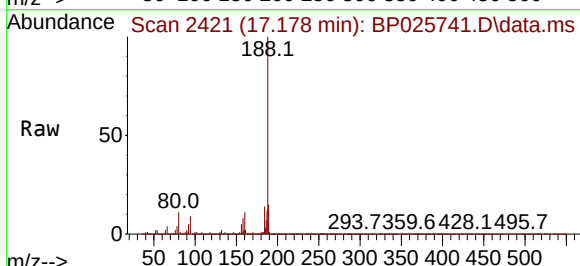
Tgt Ion: 188 Resp: 881205

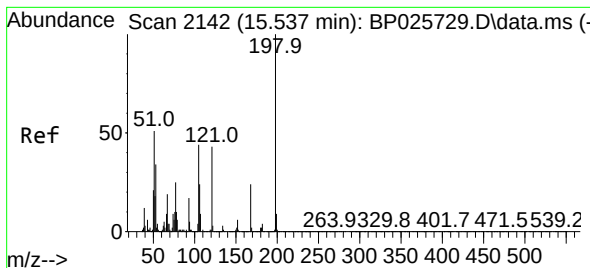
Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.0

80 11.0 7.7 11.5

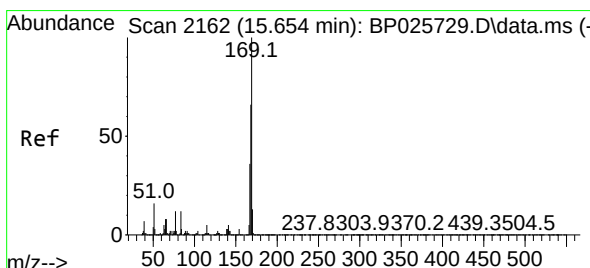
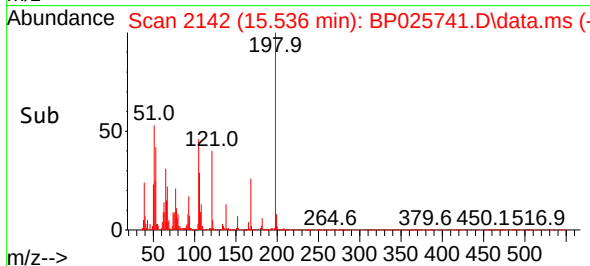
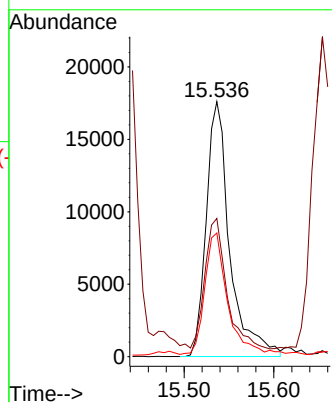
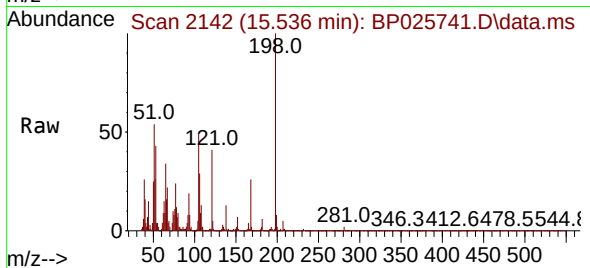




#65
4,6-Dinitro-2-methylphenol
Concen: 5.450 ng
RT: 15.536 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

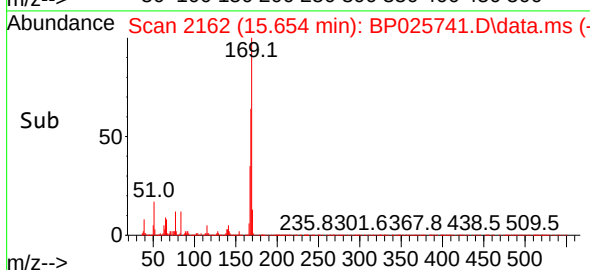
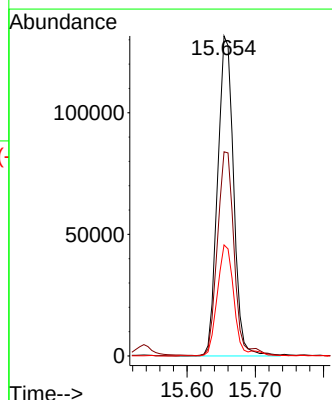
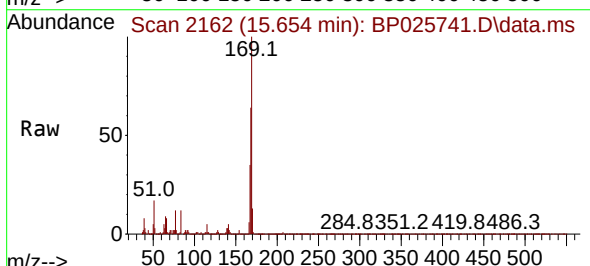
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

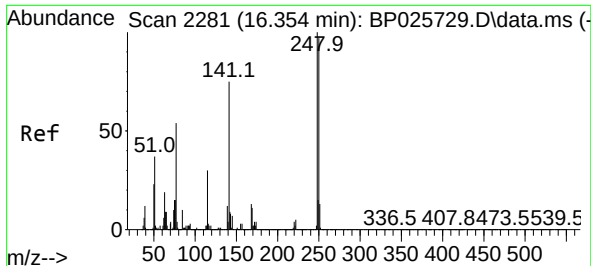
Tgt Ion:198 Resp: 31939
Ion Ratio Lower Upper
198 100
51 54.2 33.4 73.4
105 48.5 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 7.957 ng
RT: 15.654 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:169 Resp: 214571
Ion Ratio Lower Upper
169 100
168 63.8 52.6 78.8
167 34.7 28.5 42.7

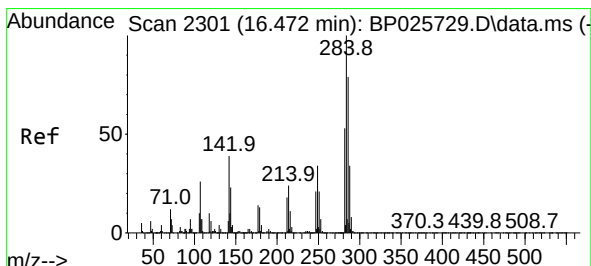
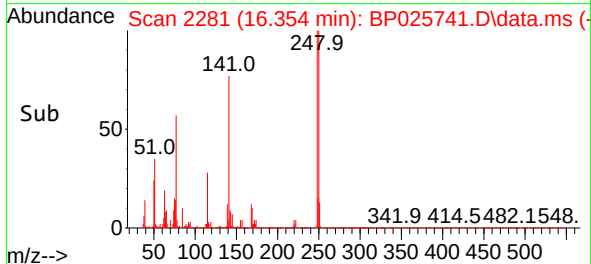
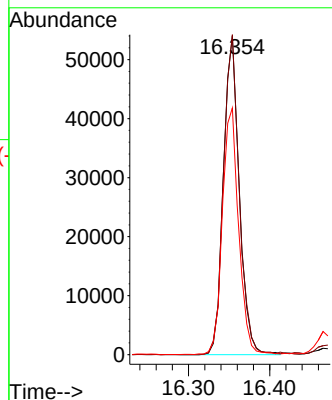
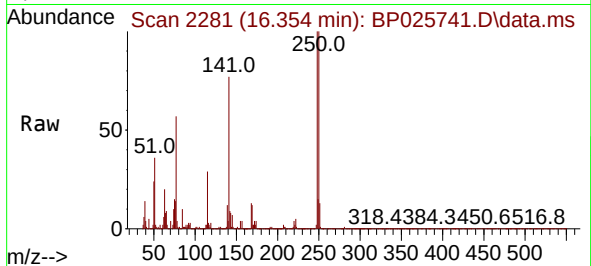




#67
4-Bromophenyl-phenylether
Concen: 7.603 ng
RT: 16.354 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

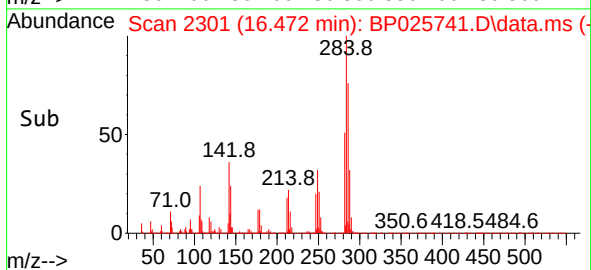
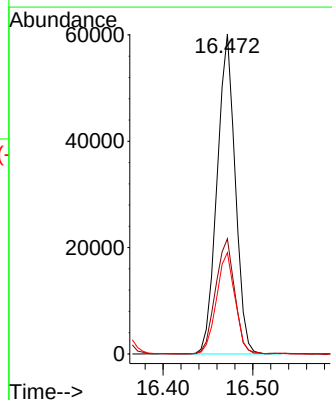
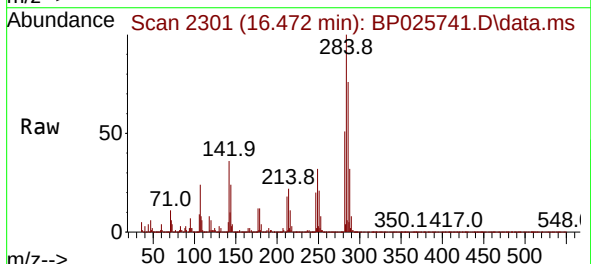
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

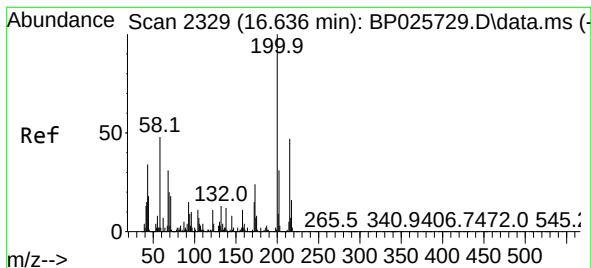
Tgt Ion:	248	Resp:	73604
Ion Ratio	Lower	Upper	
248	100		
250	100.5	77.5	116.3
141	77.5	60.2	90.4



#68
Hexachlorobenzene
Concen: 7.827 ng
RT: 16.472 min Scan# 2301
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:	284	Resp:	84503
Ion Ratio	Lower	Upper	
284	100		
142	36.0	31.3	46.9
249	31.7	27.3	40.9





#69

Atrazine

Concen: 7.658 ng

RT: 16.631 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

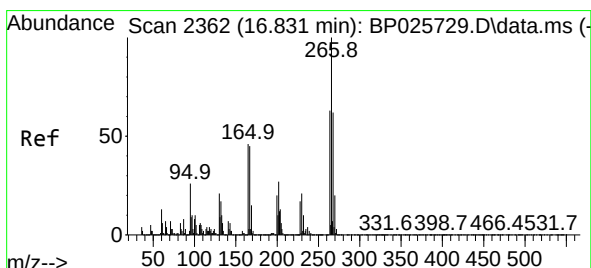
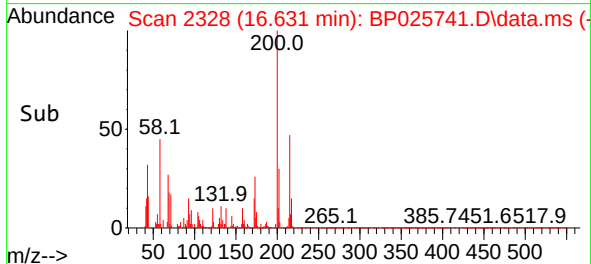
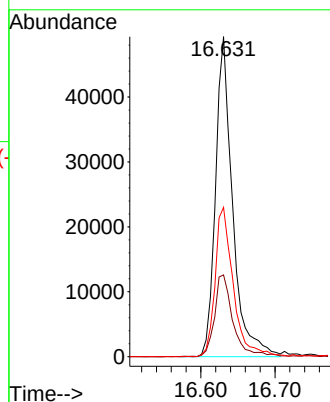
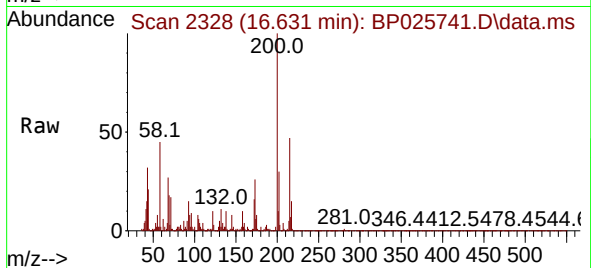
Tgt Ion:200 Resp: 78941

Ion Ratio Lower Upper

200 100

173 25.6 4.2 44.2

215 46.6 27.3 67.3



#70

Pentachlorophenol

Concen: 6.519 ng

RT: 16.836 min Scan# 2363

Delta R.T. 0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

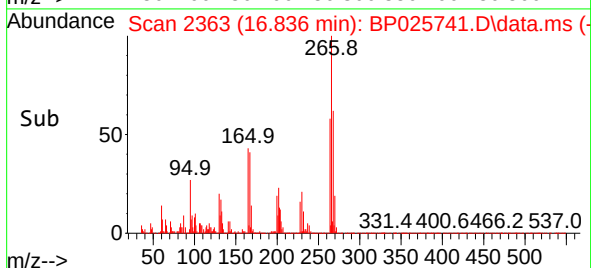
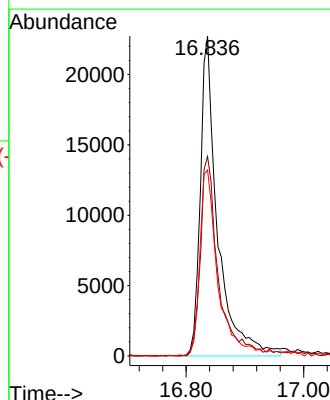
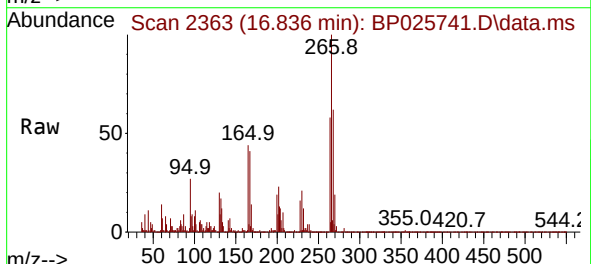
Tgt Ion:266 Resp: 46446

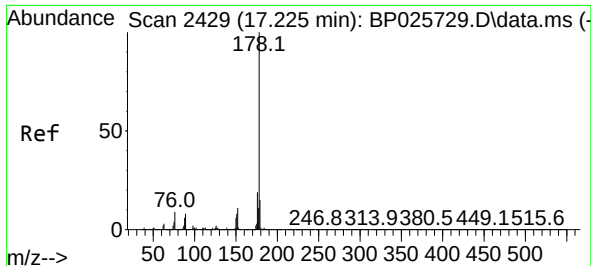
Ion Ratio Lower Upper

266 100

268 62.4 49.8 74.8

264 58.1 50.2 75.2

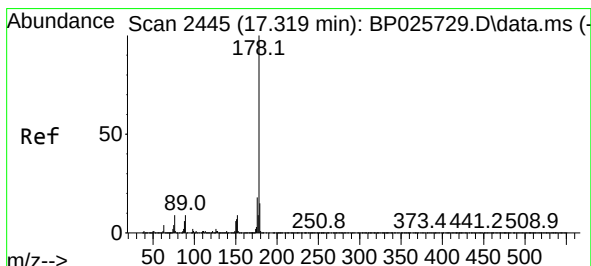
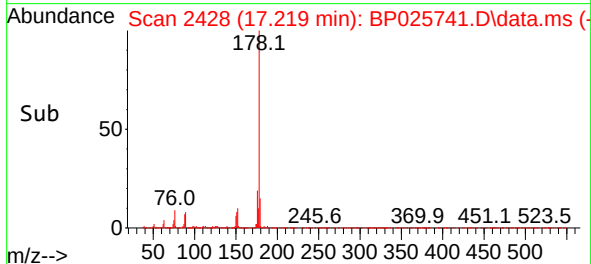
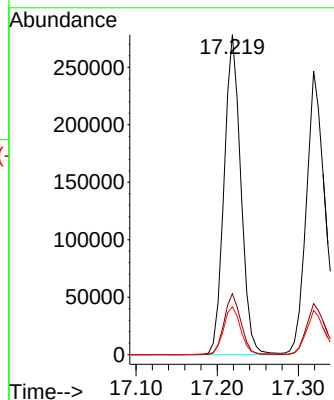
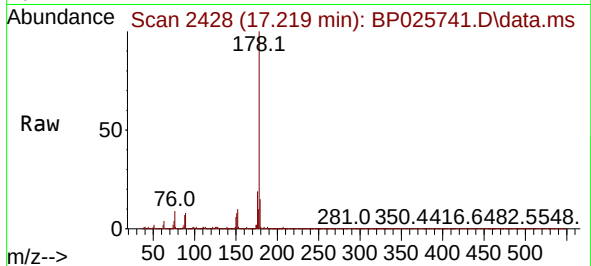




#71
Phenanthrene
Concen: 7.998 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

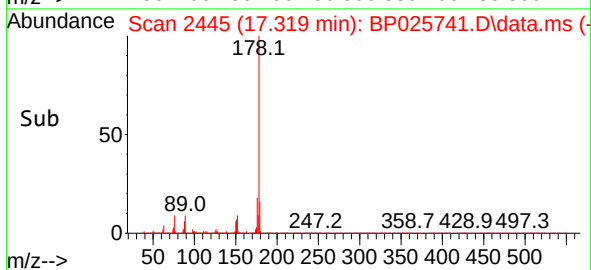
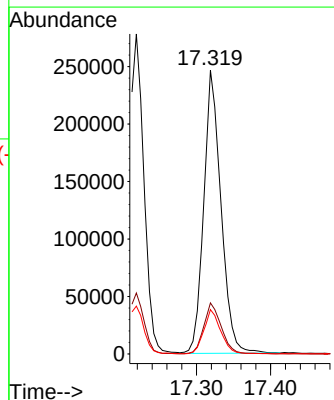
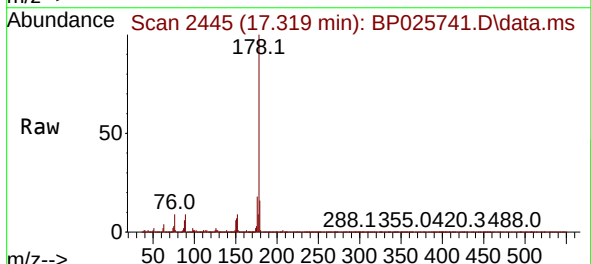
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

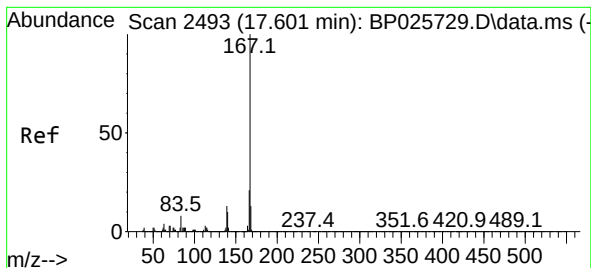
Tgt Ion:178 Resp: 399783
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.0 12.2 18.4



#72
Anthracene
Concen: 7.860 ng
RT: 17.319 min Scan# 2445
Delta R.T. -0.000 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:178 Resp: 398634
Ion Ratio Lower Upper
178 100
176 18.0 14.8 22.2
179 15.6 12.2 18.4





#73

Carbazole

Concen: 7.512 ng

RT: 17.601 min Scan# 2493

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

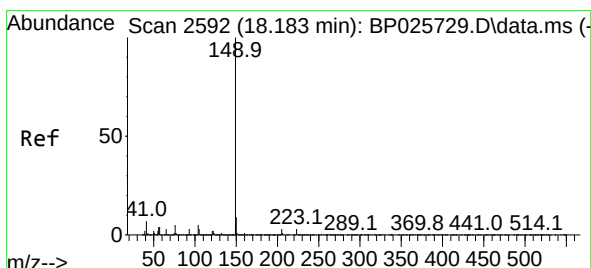
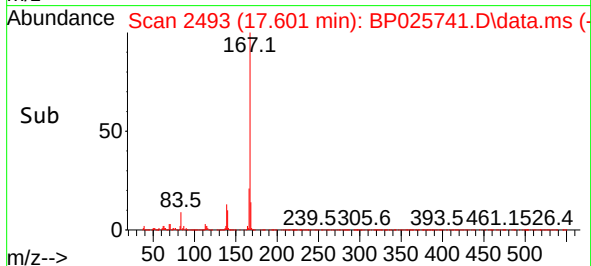
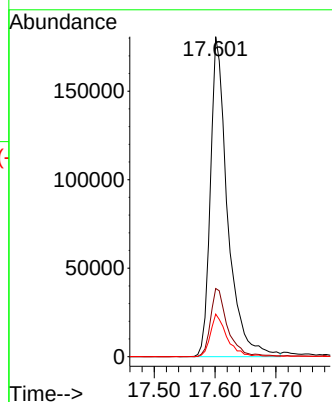
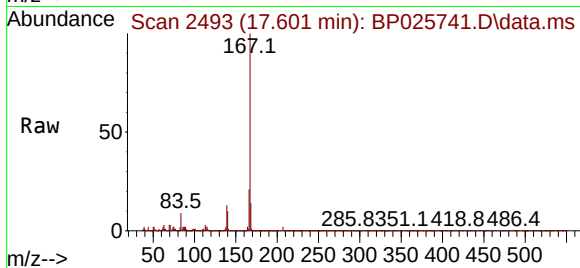
Tgt Ion:167 Resp: 354222

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.4

139 13.3 10.6 16.0



#74

Di-n-butylphthalate

Concen: 7.585 ng

RT: 18.183 min Scan# 2592

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

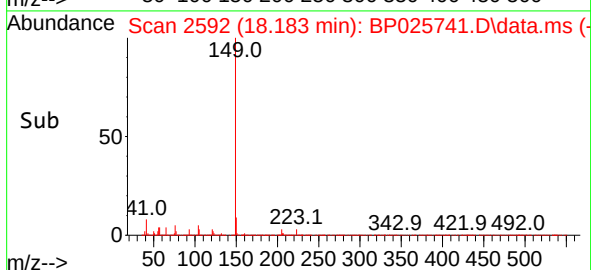
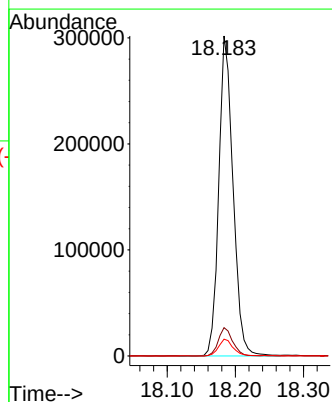
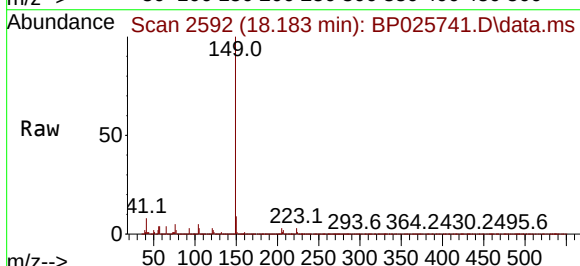
Tgt Ion:149 Resp: 438920

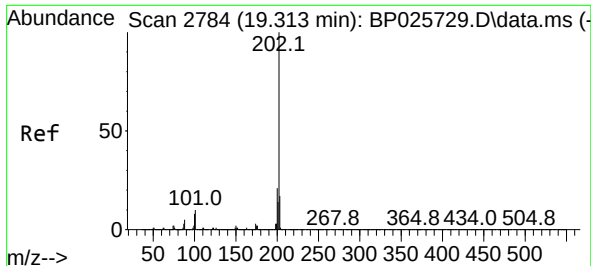
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

104 5.3 4.3 6.5

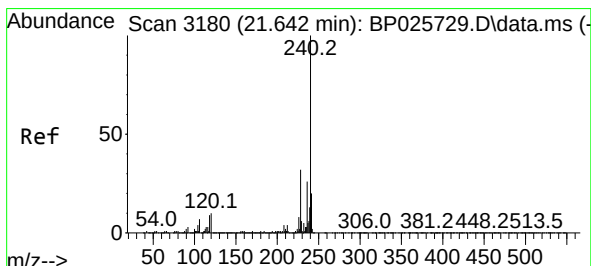
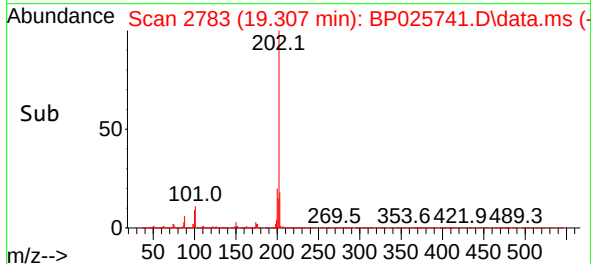
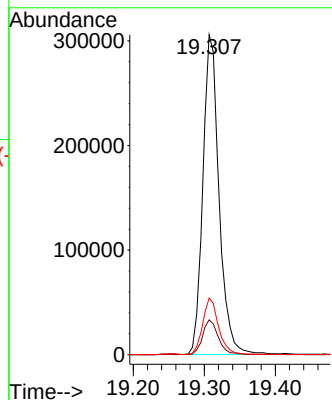
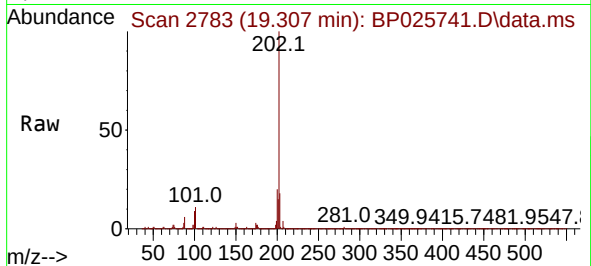




#75
Fluoranthene
Concen: 8.087 ng
RT: 19.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

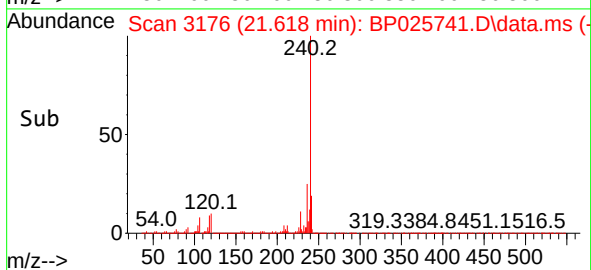
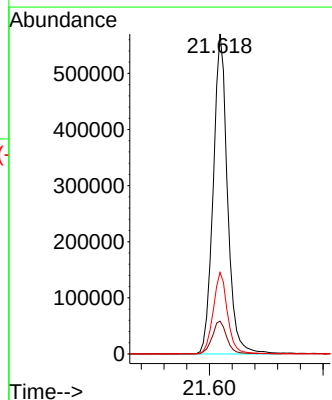
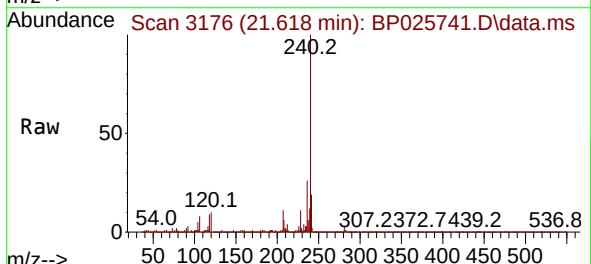
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

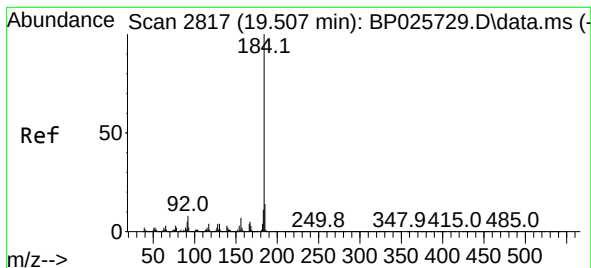
Tgt Ion:202 Resp: 484808
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.4
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.024 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:240 Resp: 991002
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.5 20.7 31.1





#77

Benzidine

Concen: 8.196 ng

RT: 19.513 min Scan# 2817

Delta R.T. 0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

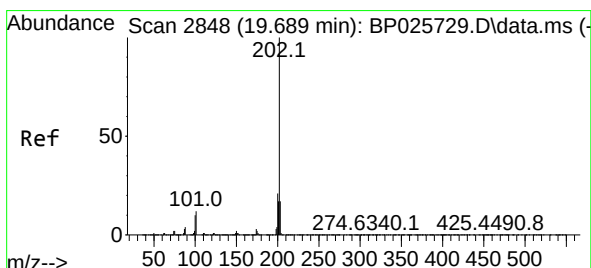
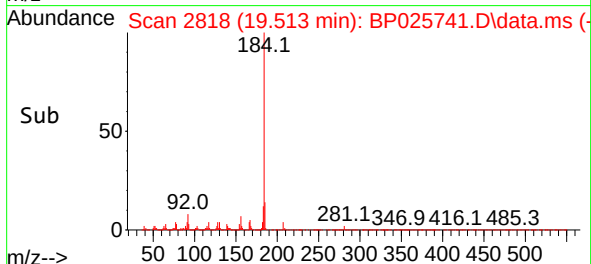
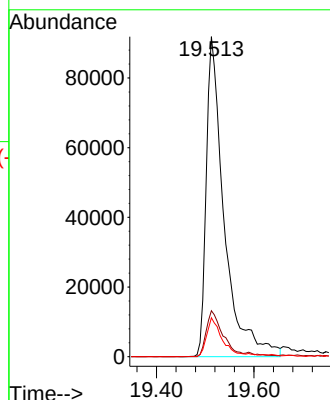
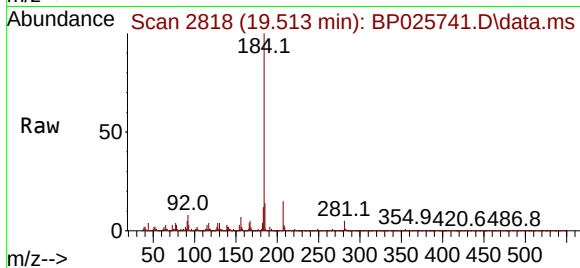
Tgt Ion:184 Resp: 233960

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 12.2 9.2 13.8



#78

Pyrene

Concen: 7.678 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

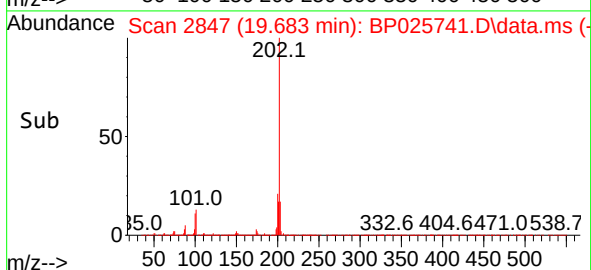
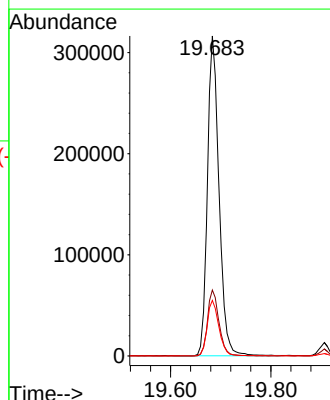
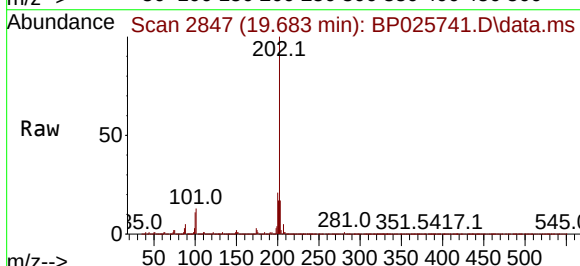
Tgt Ion:202 Resp: 507732

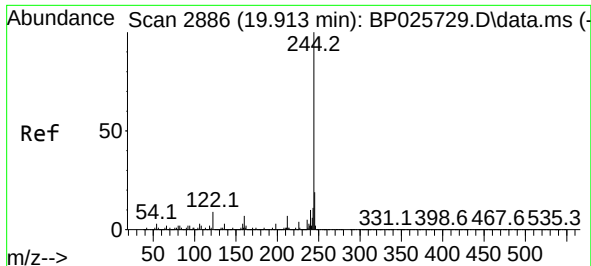
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 17.3 13.9 20.9

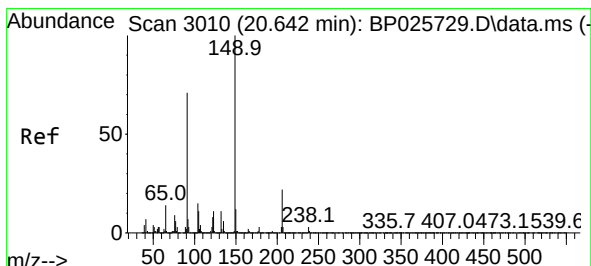
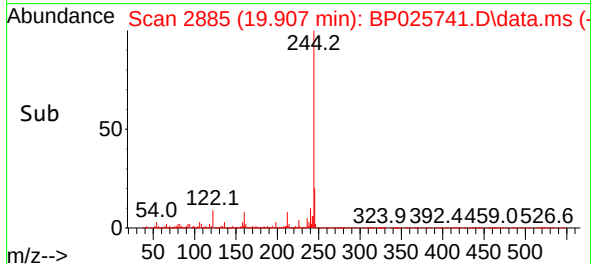
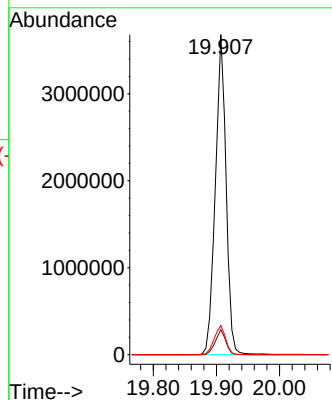
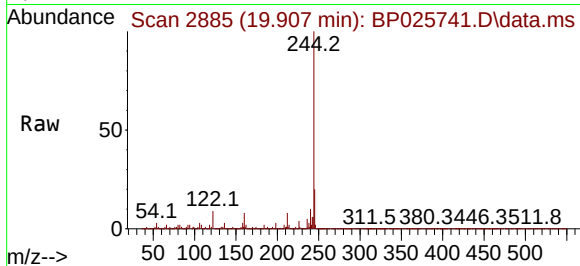




#79
 Terphenyl-d14
 Concen: 78.688 ng
 RT: 19.907 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025741.D
 Acq: 12 Sep 2025 13:08

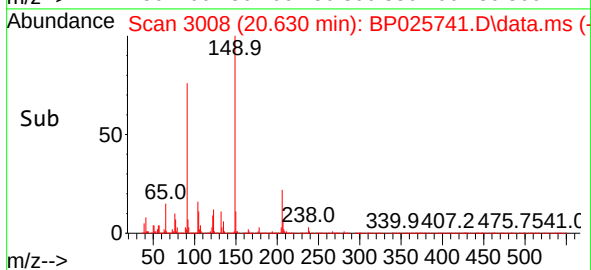
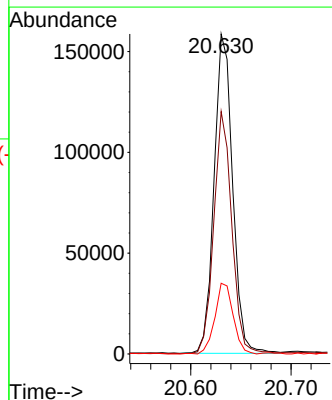
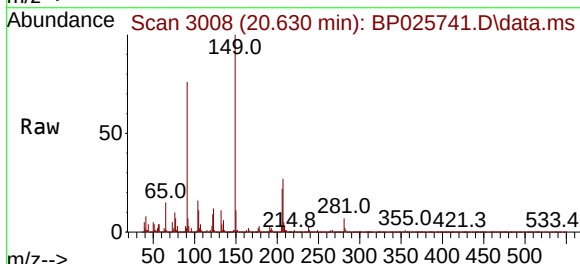
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

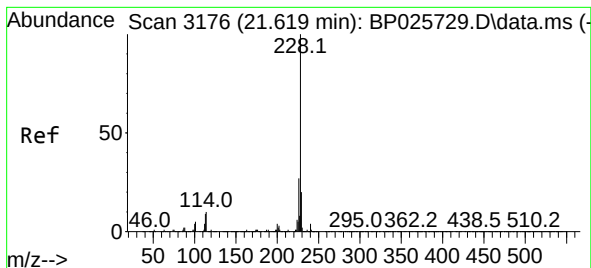
Tgt Ion:244 Resp: 4334640
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 9.1 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 6.994 ng
 RT: 20.630 min Scan# 3008
 Delta R.T. -0.012 min
 Lab File: BP025741.D
 Acq: 12 Sep 2025 13:08

Tgt Ion:149 Resp: 202792
 Ion Ratio Lower Upper
 149 100
 91 75.8 56.6 85.0
 206 22.1 17.4 26.0





#81

Benzo(a)anthracene

Concen: 7.653 ng

RT: 21.595 min Scan# 3172

Delta R.T. -0.024 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

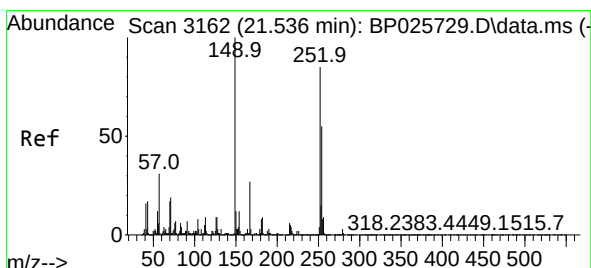
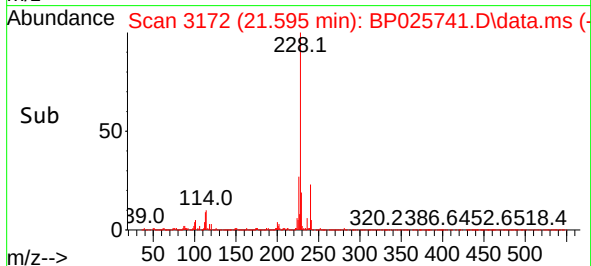
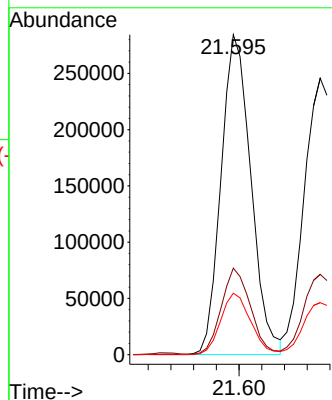
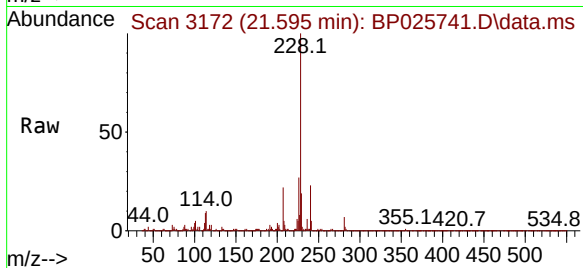
Tgt Ion:228 Resp: 519198

Ion Ratio Lower Upper

228 100

226 27.0 21.6 32.4

229 19.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 7.024 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.000 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

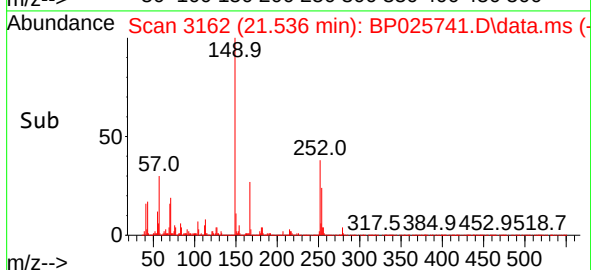
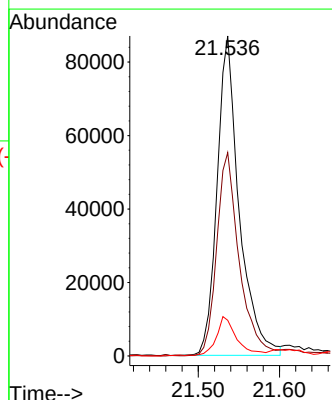
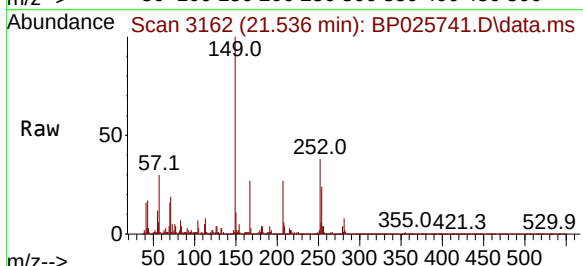
Tgt Ion:252 Resp: 164770

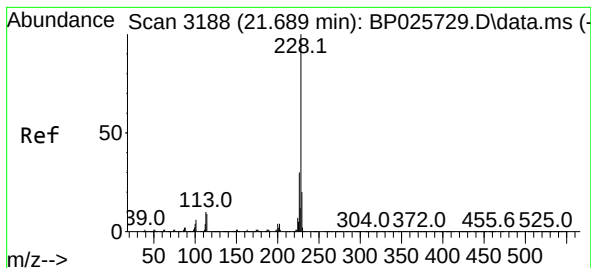
Ion Ratio Lower Upper

252 100

254 63.6 51.4 77.0

126 11.2 8.3 12.5





#83

Chrysene

Concen: 7.741 ng

RT: 21.671 min Scan# 3185

Delta R.T. -0.018 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

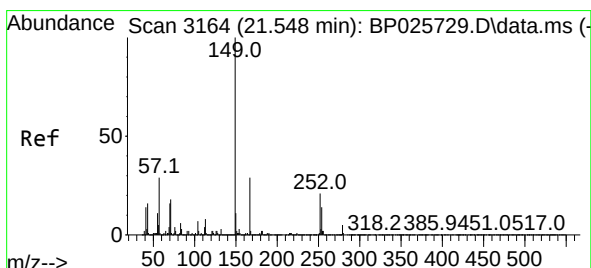
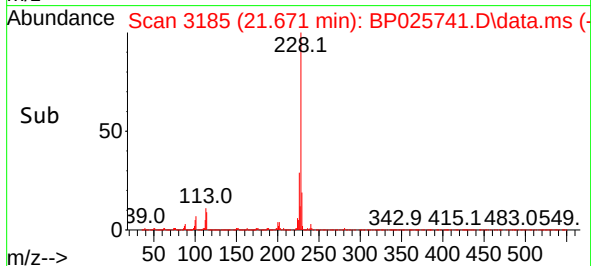
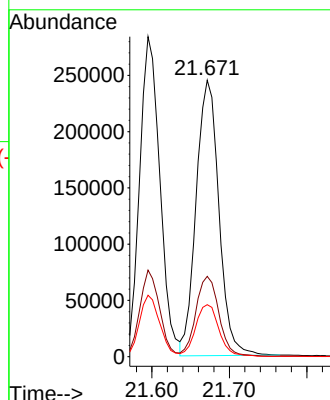
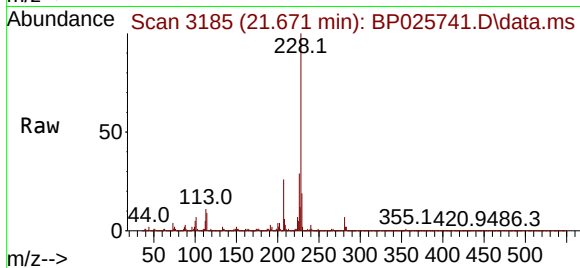
Tgt Ion:228 Resp: 500665

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

229 18.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.273 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.012 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

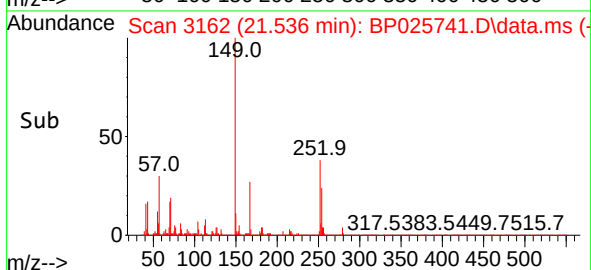
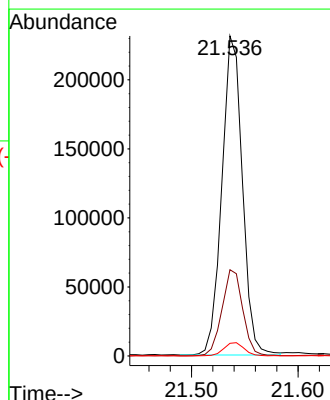
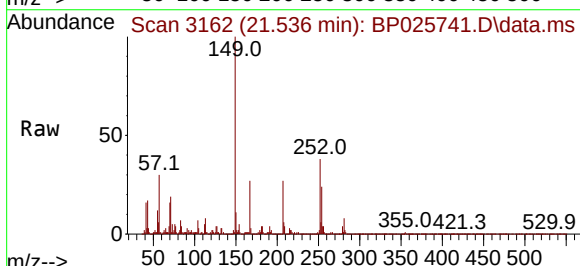
Tgt Ion:149 Resp: 308509

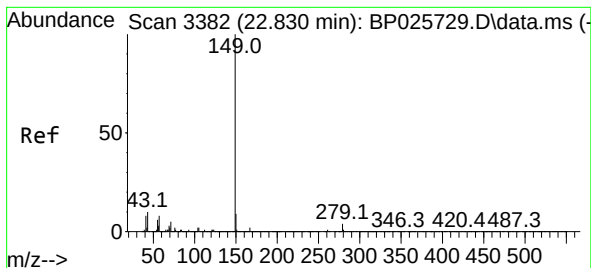
Ion Ratio Lower Upper

149 100

167 27.0 22.9 34.3

279 3.9 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 6.777 ng

RT: 22.818 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

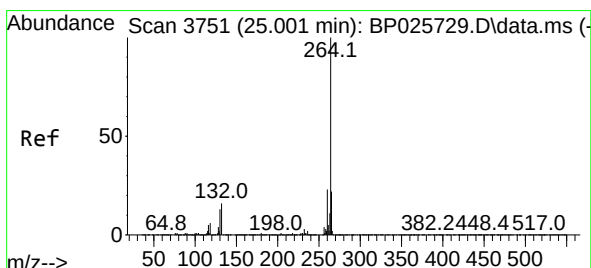
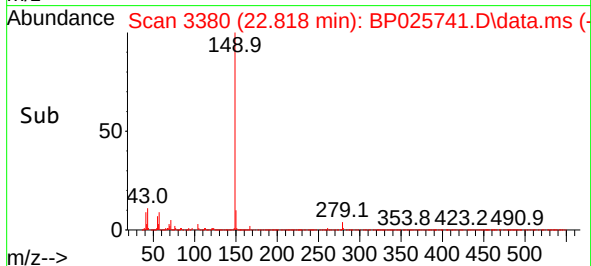
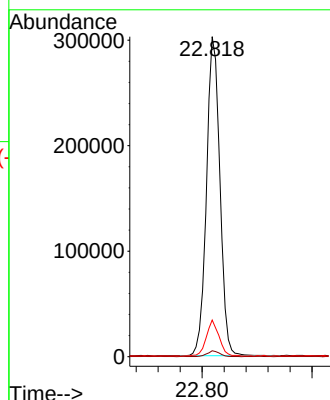
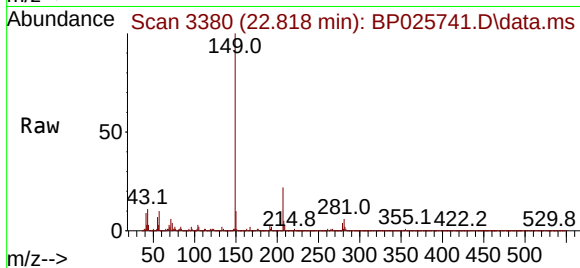
Tgt Ion:149 Resp: 511382

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.7 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 3747

Delta R.T. -0.024 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

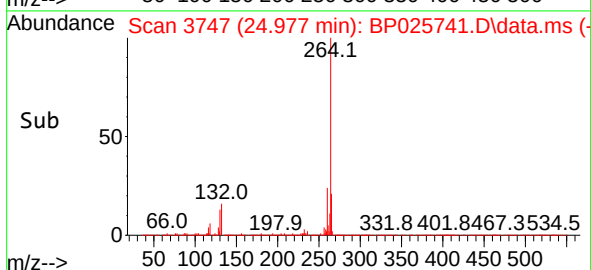
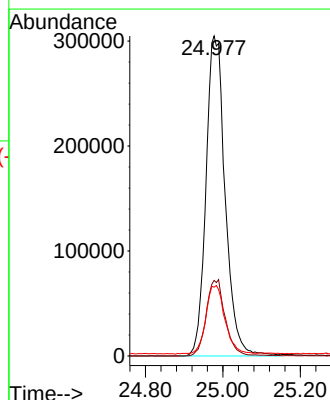
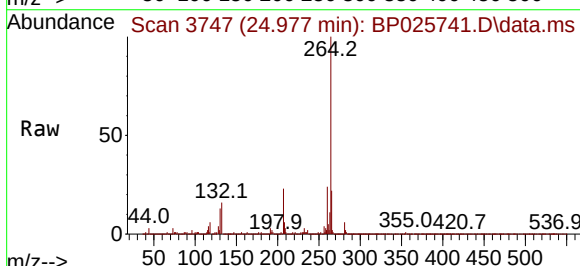
Tgt Ion:264 Resp: 1048856

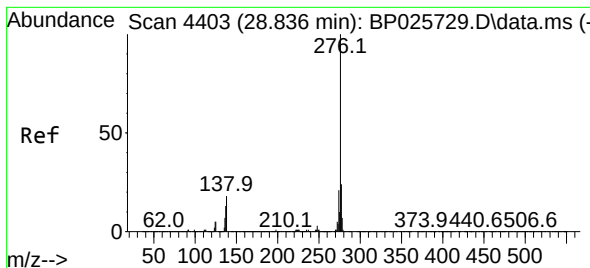
Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.297 ng

RT: 28.783 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

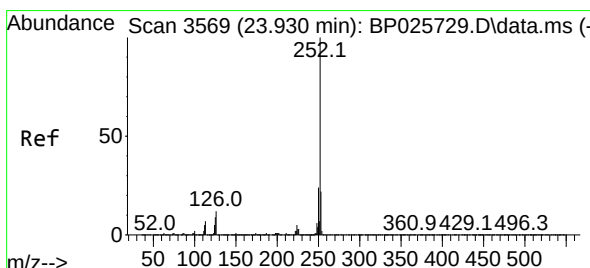
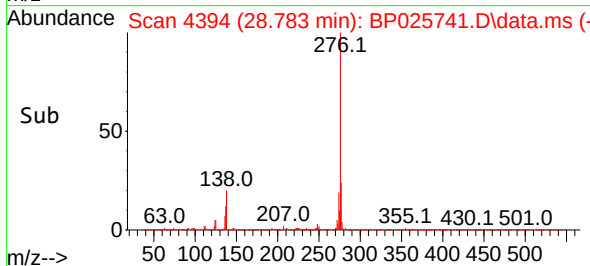
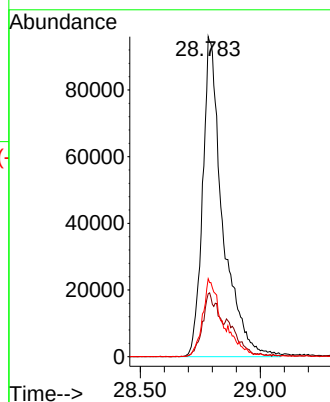
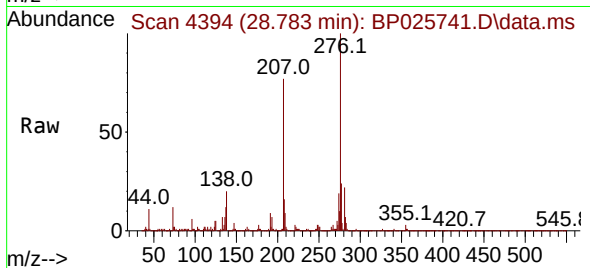
Tgt Ion:276 Resp: 556602

Ion Ratio Lower Upper

276 100

138 16.2 13.4 20.2

277 19.7 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 7.647 ng

RT: 23.918 min Scan# 3567

Delta R.T. -0.012 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

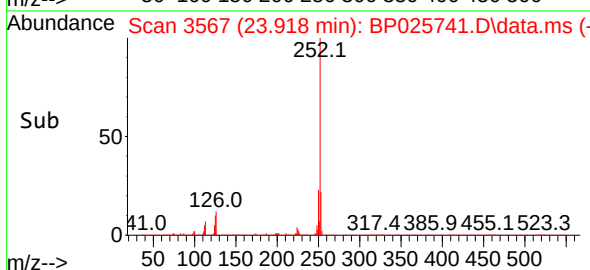
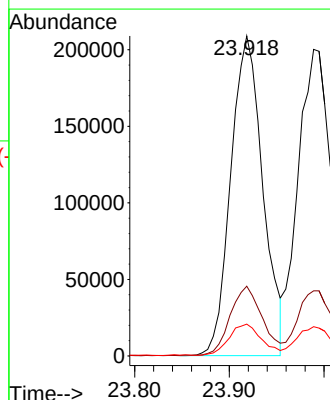
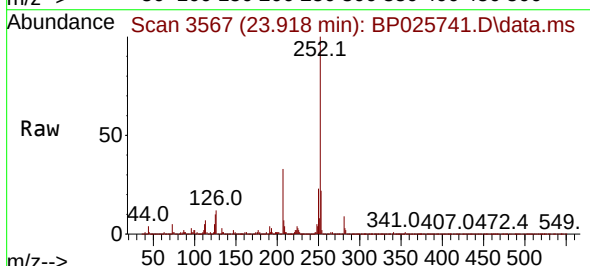
Tgt Ion:252 Resp: 490469

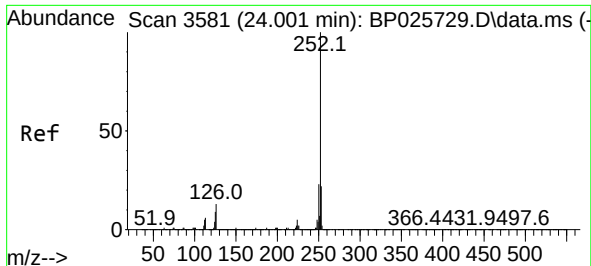
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 10.0 7.3 10.9

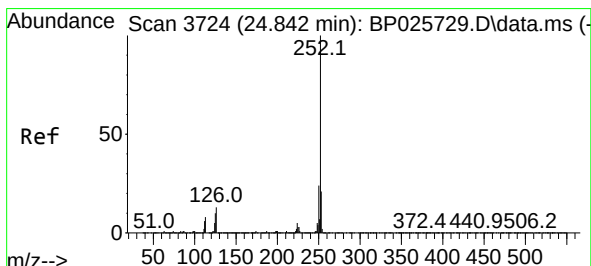
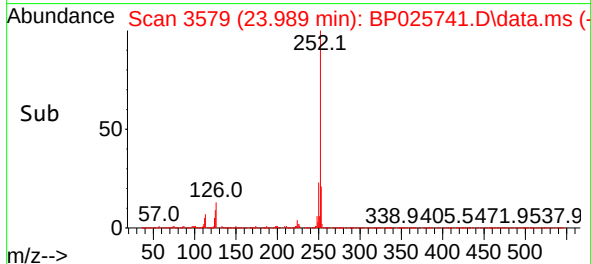
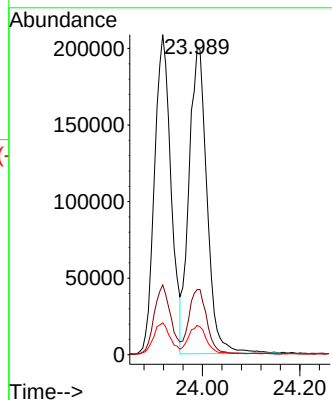
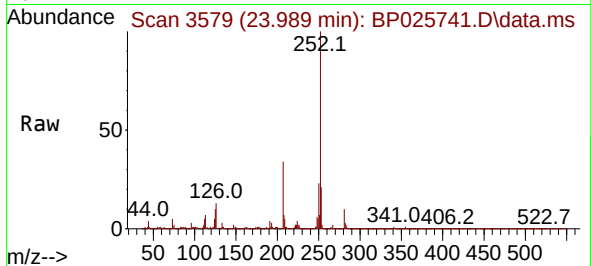




#89
Benzo(k)fluoranthene
Concen: 7.855 ng
RT: 23.989 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

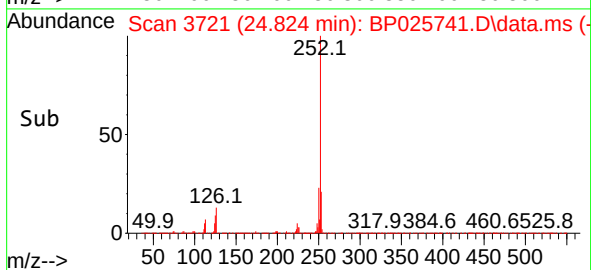
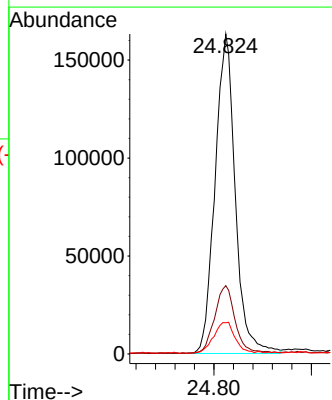
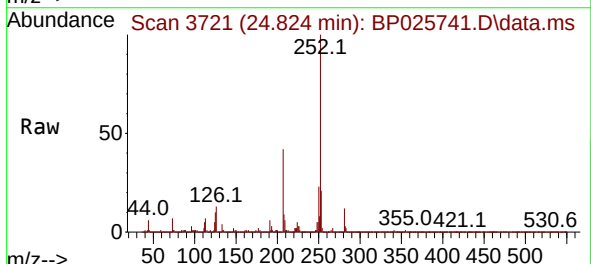
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

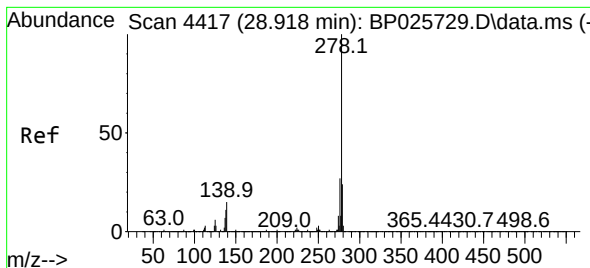
Tgt Ion:252 Resp: 514097
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 7.477 ng
RT: 24.824 min Scan# 3721
Delta R.T. -0.018 min
Lab File: BP025741.D
Acq: 12 Sep 2025 13:08

Tgt Ion:252 Resp: 469635
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 9.8 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 7.129 ng

RT: 28.871 min Scan# 4417

Delta R.T. -0.047 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

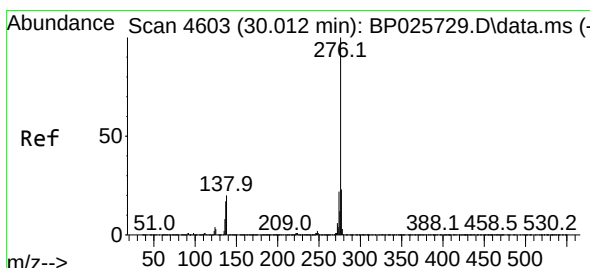
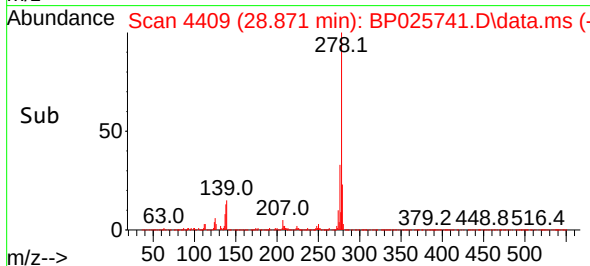
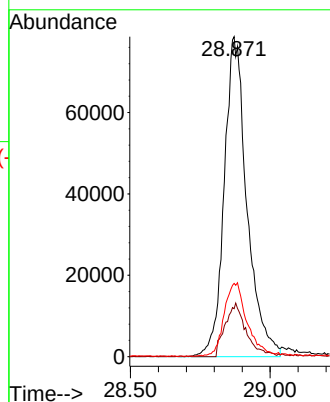
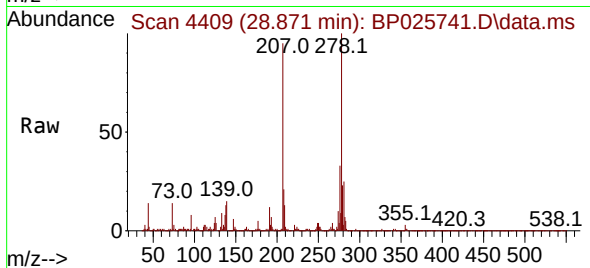
Tgt Ion:278 Resp: 445008

Ion Ratio Lower Upper

278 100

139 15.0 12.1 18.1

279 22.9 19.6 29.4



#92

Benzo(g,h,i)perylene

Concen: 7.318 ng

RT: 29.977 min Scan# 4597

Delta R.T. -0.035 min

Lab File: BP025741.D

Acq: 12 Sep 2025 13:08

Tgt Ion:276 Resp: 449208

Ion Ratio Lower Upper

276 100

277 23.0 18.7 28.1

138 20.4 16.0 24.0

