

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025105.D
 Acq On : 11 Jul 2025 15:42
 Operator : CG/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 11 16:05:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	372779	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1531899	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1031731	20.000	ng	0.00
64) Phenanthrene-d10	16.884	188	2230284	20.000	ng	-0.02
76) Chrysene-d12	21.336	240	2547256	20.000	ng	0.00
86) Perylene-d12	24.471	264	2783094	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2544569	120.946	ng	0.00
7) Phenol-d6	6.625	99	3228263	117.582	ng	0.00
23) Nitrobenzene-d5	8.566	82	2085957	90.558	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1753825	143.895	ng	-0.01
45) 2-Fluorobiphenyl	12.690	172	5756028	86.428	ng	0.00
79) Terphenyl-d14	19.672	244	10394924	89.688	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.126	88	32600	3.985	ng	95
3) Pyridine	3.496	79	81668	3.646	ng	98
4) n-Nitrosodimethylamine	3.408	42	32661	3.444	ng	# 87
6) Aniline	6.778	93	131258	5.117	ng	98
8) 2-Chlorophenol	7.008	128	93478	3.971	ng	97
9) Benzaldehyde	6.596	77	77958	5.437	ng	98
10) Phenol	6.649	94	106525	3.819	ng	90
11) bis(2-Chloroethyl)ether	6.878	93	79303	3.694	ng	99
12) 1,3-Dichlorobenzene	7.331	146	104998	3.985	ng	96
13) 1,4-Dichlorobenzene	7.466	146	107410	4.027	ng	98
14) 1,2-Dichlorobenzene	7.772	146	103921	4.050	ng	98
15) Benzyl Alcohol	7.667	79	69744	3.806	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.961	45	104566	3.746	ng	96
17) 2-Methylphenol	7.872	107	66972	3.727	ng	98
18) Hexachloroethane	8.490	117	34910	4.018	ng	95
19) n-Nitroso-di-n-propyla...	8.231	70	61050	3.749	ng	96
20) 3+4-Methylphenols	8.190	107	91451	3.633	ng	98
22) Acetophenone	8.237	105	135366	3.736	ng	99
24) Nitrobenzene	8.608	77	98172	4.184	ng	97
25) Isophorone	9.125	82	172389	4.005	ng	99
26) 2-Nitrophenol	9.302	139	37352	6.357	ng	95
27) 2,4-Dimethylphenol	9.372	122	83779	5.217	ng	98
28) bis(2-Chloroethoxy)met...	9.613	93	109270	3.738	ng	99
29) 2,4-Dichlorophenol	9.837	162	78123	3.509	ng	99
30) 1,2,4-Trichlorobenzene	10.049	180	95920	3.890	ng	95
31) Naphthalene	10.231	128	294690	3.736	ng	98
32) Benzoic acid	9.419	122	31635	7.921	ng	98
33) 4-Chloroaniline	10.337	127	121100	4.114	ng	97
34) Hexachlorobutadiene	10.531	225	54967	3.885	ng	98
35) Caprolactam	11.078	113	27158	3.565	ng	99
36) 4-Chloro-3-methylphenol	11.466	107	80884	3.476	ng	100
37) 2-Methylnaphthalene	11.855	142	184166	3.309	ng	100
38) 1-Methylnaphthalene	12.084	142	195019	3.593	ng	99
40) 1,2,4,5-Tetrachloroben...	12.231	216	109974	3.709	ng	98
41) Hexachlorocyclopentadiene	12.225	237	45182	5.834	ng	99
43) 2,4,6-Trichlorophenol	12.484	196	63424	3.532	ng	95

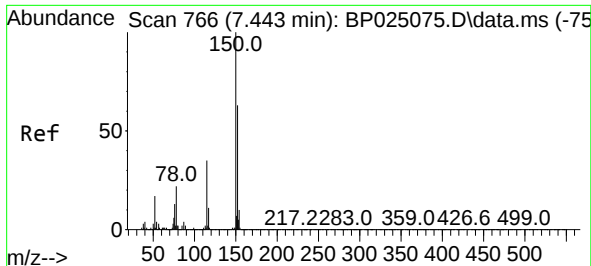
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.543	196	71879	3.533	ng	98
46) 1,1'-Biphenyl	12.896	154	278525	3.710	ng	99
47) 2-Chloronaphthalene	12.925	162	216870	3.844	ng	99
48) 2-Nitroaniline	13.137	65	45857	5.891	ng	91
49) Acenaphthylene	13.801	152	342655	3.968	ng	100
50) Dimethylphthalate	13.549	163	277470	3.842	ng	99
51) 2,6-Dinitrotoluene	13.649	165	47484	3.371	ng	97
52) Acenaphthene	14.149	154	206029	3.702	ng	98
53) 3-Nitroaniline	13.984	138	57251	3.793	ng #	99
54) 2,4-Dinitrophenol	14.196	184	16960	7.683	ng	96
55) Dibenzofuran	14.490	168	342677	3.731	ng	99
56) 4-Nitrophenol	14.301	139	44688	3.208	ng	96
57) 2,4-Dinitrotoluene	14.454	165	61028	5.427	ng	98
58) Fluorene	15.148	166	274240	3.860	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.719	232	66144	3.590	ng	98
60) Diethylphthalate	14.954	149	272436	3.756	ng	98
61) 4-Chlorophenyl-phenyle...	15.160	204	138957	3.952	ng	98
62) 4-Nitroaniline	15.160	138	57009	3.602	ng	96
63) Azobenzene	15.460	77	222227	3.440	ng	98
65) 4,6-Dinitro-2-methylph...	15.237	198	26621	7.897	ng	97
66) n-Nitrosodiphenylamine	15.378	169	231687	3.630	ng	100
67) 4-Bromophenyl-phenylether	16.078	248	85754	3.755	ng	97
68) Hexachlorobenzene	16.184	284	108076	3.872	ng	98
69) Atrazine	16.372	200	84305	4.507	ng	99
70) Pentachlorophenol	16.543	266	54387	2.885	ng	99
71) Phenanthrene	16.937	178	464272	3.896	ng	99
72) Anthracene	17.037	178	441066	3.858	ng	99
73) Carbazole	17.313	167	423891	3.792	ng	98
74) Di-n-butylphthalate	17.948	149	445794	3.581	ng	100
75) Fluoranthene	19.036	202	520319	3.735	ng	100
77) Benzidine	19.254	184	225522	5.013	ng	98
78) Pyrene	19.413	202	568323	3.602	ng	99
80) Butylbenzylphthalate	20.425	149	188555	6.546	ng	95
81) Benzo(a)anthracene	21.313	228	605293	3.921	ng	99
82) 3,3'-Dichlorobenzidine	21.242	252	187172	4.028	ng	98
83) Chrysene	21.378	228	563598	3.794	ng	98
84) Bis(2-ethylhexyl)phtha...	21.313	149	298765	3.608	ng	100
85) Di-n-octyl phthalate	22.530	149	461670	8.753	ng	99
87) Indeno(1,2,3-cd)pyrene	27.983	276	676669	3.817	ng	99
88) Benzo(b)fluoranthene	23.477	252	572930	3.537	ng	99
89) Benzo(k)fluoranthene	23.548	252	577219	3.581	ng	99
90) Benzo(a)pyrene	24.319	252	535204	3.882	ng	100
91) Dibenzo(a,h)anthracene	28.077	278	545046	3.719	ng	97
92) Benzo(g,h,i)perylene	29.059	276	546807	3.612	ng	99

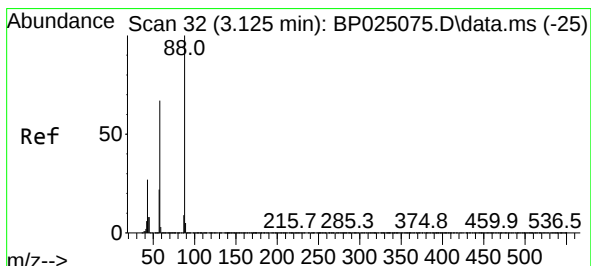
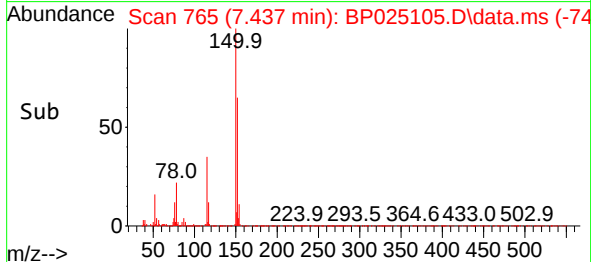
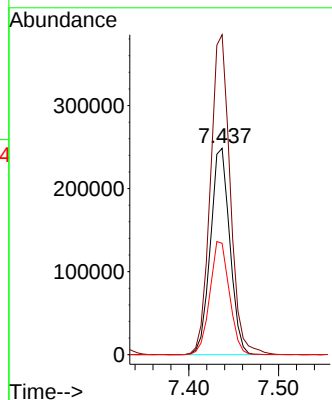
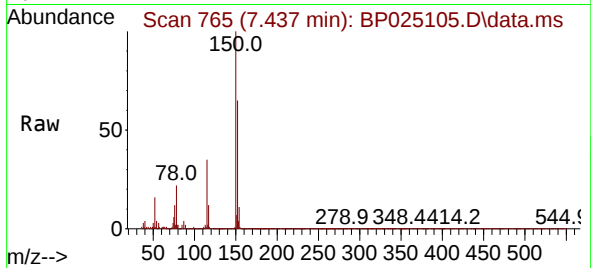
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

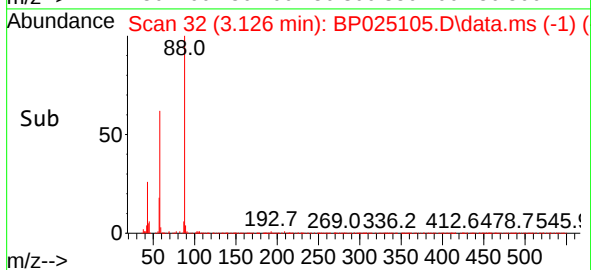
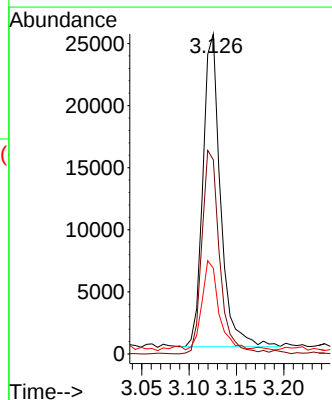
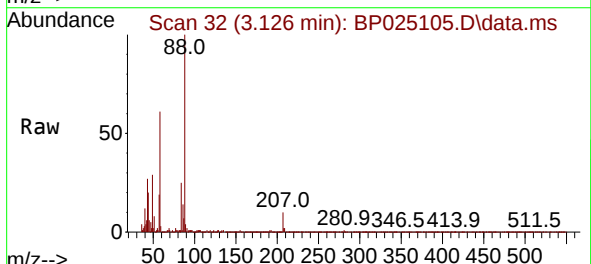
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

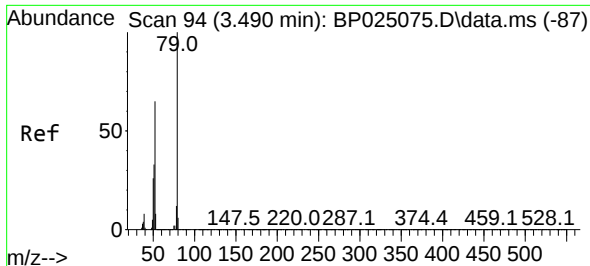
Tgt Ion:152 Resp: 372779
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.1 189.1
 115 53.9 44.3 66.5



#2
 1,4-Dioxane
 Concen: 3.985 ng
 RT: 3.126 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

Tgt Ion: 88 Resp: 32600
 Ion Ratio Lower Upper
 88 100
 58 64.6 55.0 82.4
 43 29.4 21.9 32.9

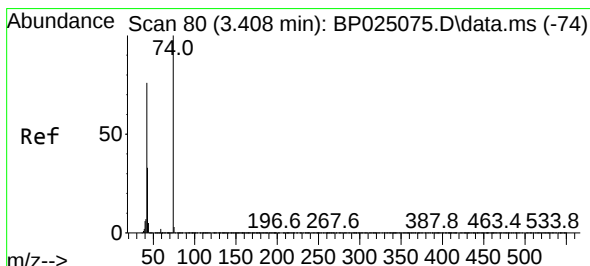
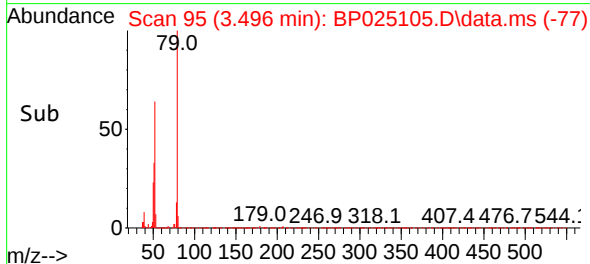
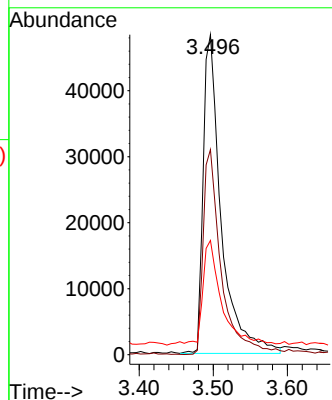
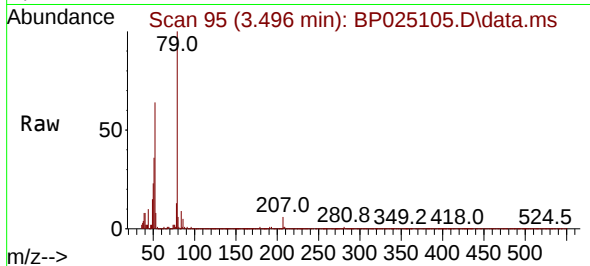




#3
Pyridine
Concen: 3.646 ng
RT: 3.496 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

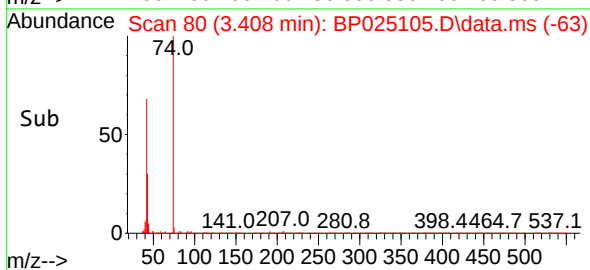
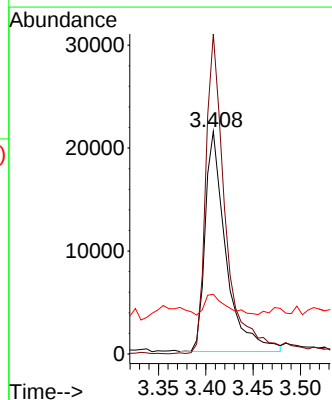
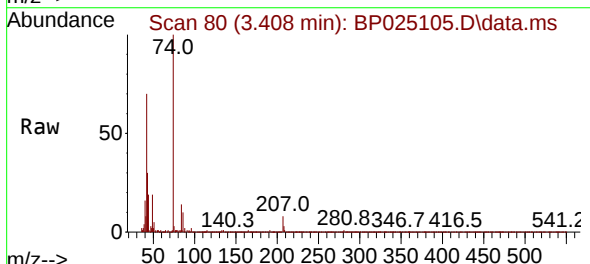
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

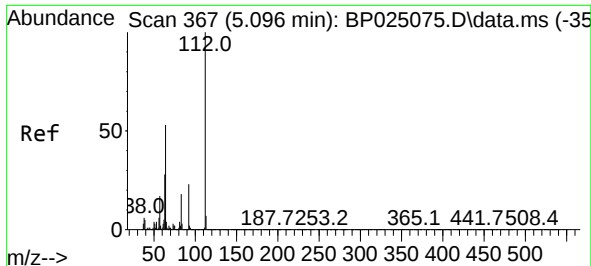
Tgt Ion: 79 Resp: 81668
Ion Ratio Lower Upper
79 100
52 64.1 52.2 78.4
51 35.7 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 3.444 ng
RT: 3.408 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 42 Resp: 32661
Ion Ratio Lower Upper
42 100
74 143.8 105.2 157.8
44 26.9 6.6 9.8

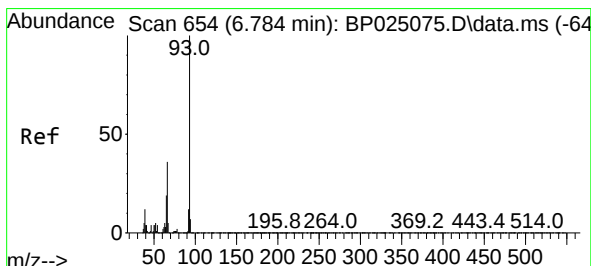
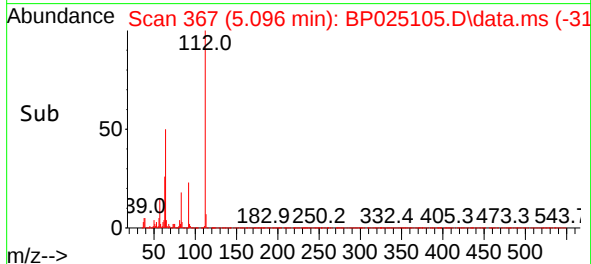
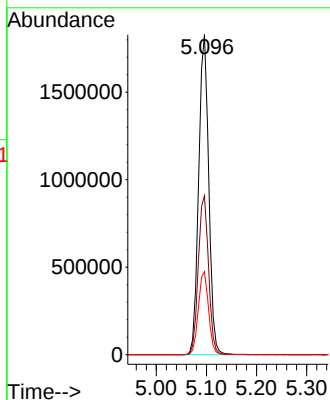
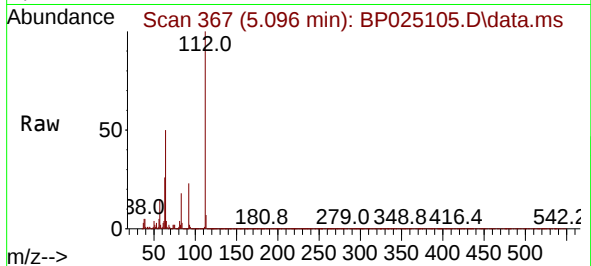




#5
2-Fluorophenol
Concen: 120.946 ng
RT: 5.096 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

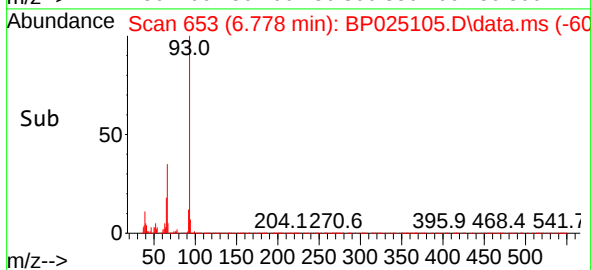
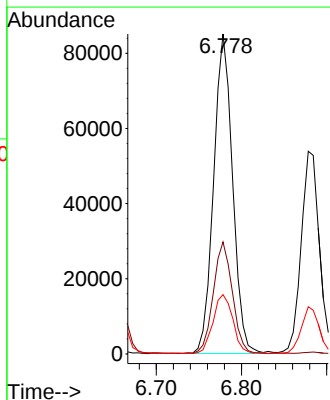
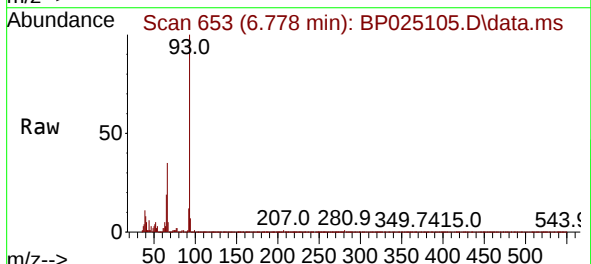
Instrument :
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ClientSampleId :
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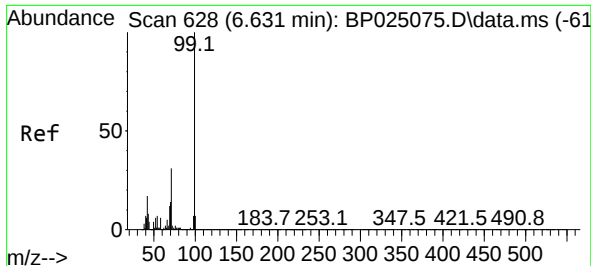
Tgt Ion:112 Resp: 2544569
Ion Ratio Lower Upper
112 100
64 49.7 42.0 63.0
63 26.0 22.2 33.2



#6
Aniline
Concen: 5.117 ng
RT: 6.778 min Scan# 653
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 93 Resp: 131258
Ion Ratio Lower Upper
93 100
66 35.0 28.9 43.3
65 18.5 15.2 22.8

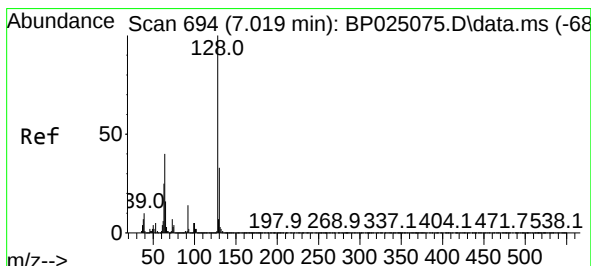
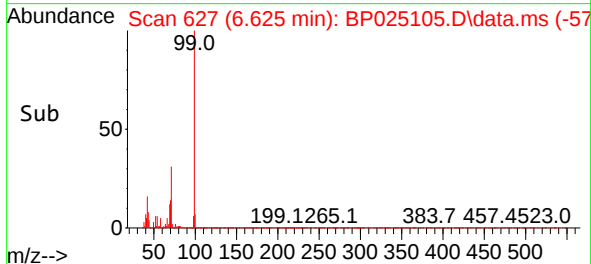
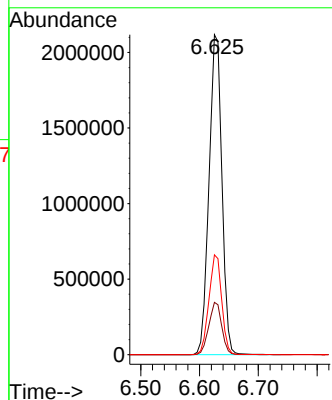
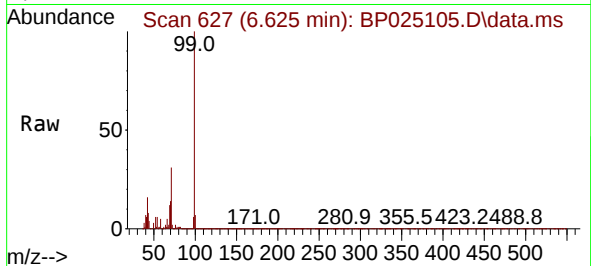




#7
Phenol-d6
Concen: 117.582 ng
RT: 6.625 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

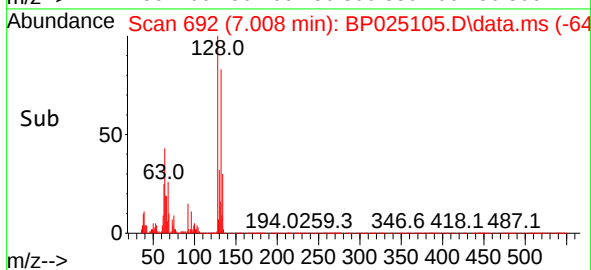
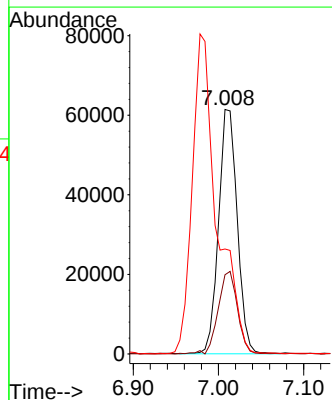
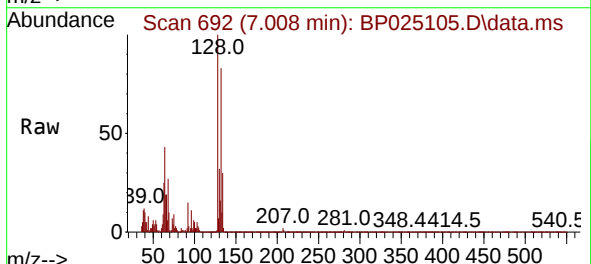
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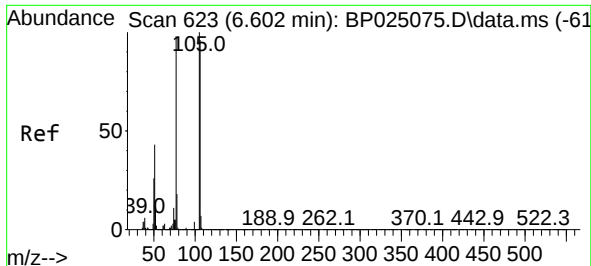
Tgt Ion: 99 Resp: 3228263
Ion Ratio Lower Upper
99 100
42 16.4 13.6 20.4
71 31.2 24.4 36.6



#8
2-Chlorophenol
Concen: 3.971 ng
RT: 7.008 min Scan# 692
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:128 Resp: 93478
Ion Ratio Lower Upper
128 100
130 32.4 12.9 52.9
64 42.9 20.3 60.3

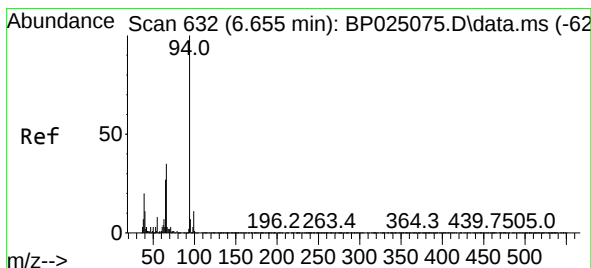
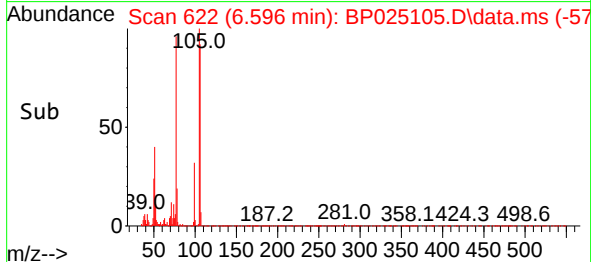
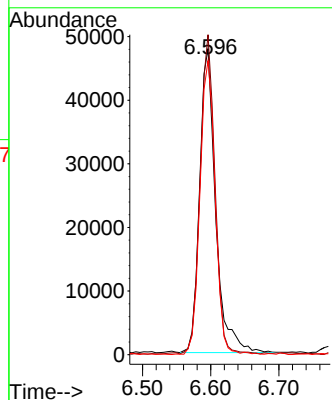
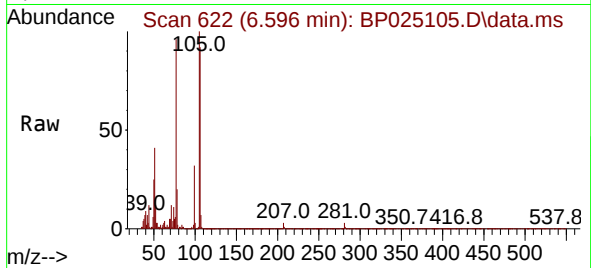




#9
Benzaldehyde
Concen: 5.437 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

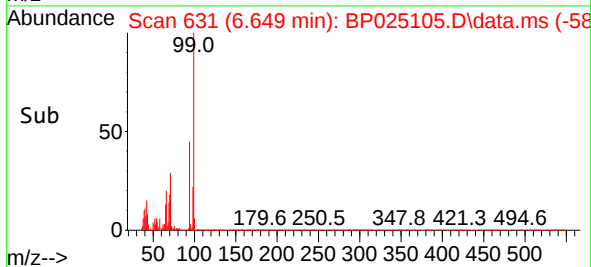
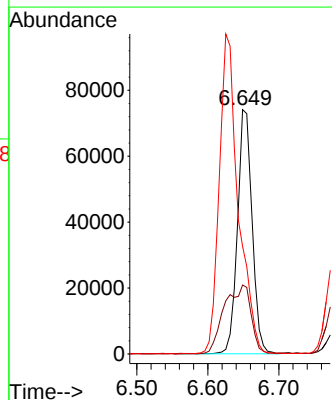
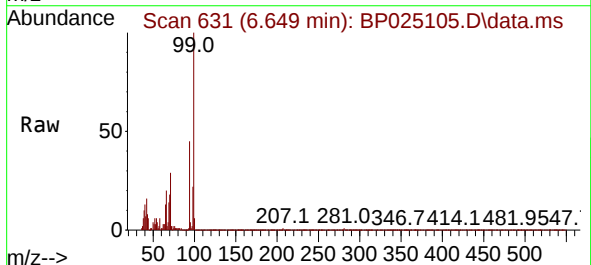
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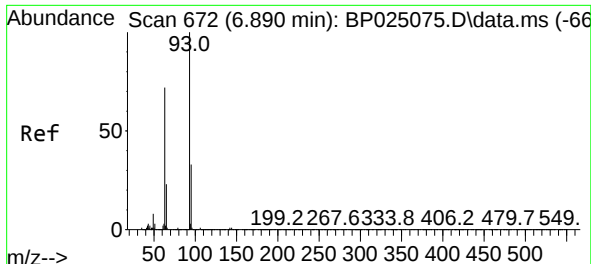
Tgt Ion: 77 Resp: 77958
Ion Ratio Lower Upper
77 100
105 104.5 82.4 122.4
106 96.1 78.3 118.3



#10
Phenol
Concen: 3.819 ng
RT: 6.649 min Scan# 631
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 94 Resp: 106525
Ion Ratio Lower Upper
94 100
65 28.2 6.9 46.9
66 44.0 14.6 54.6

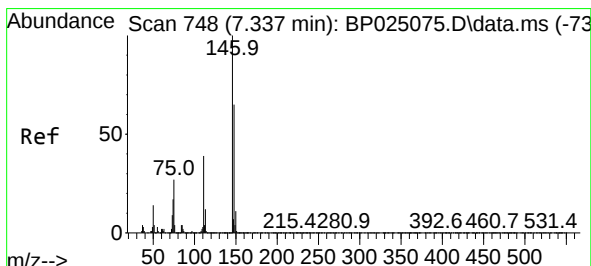
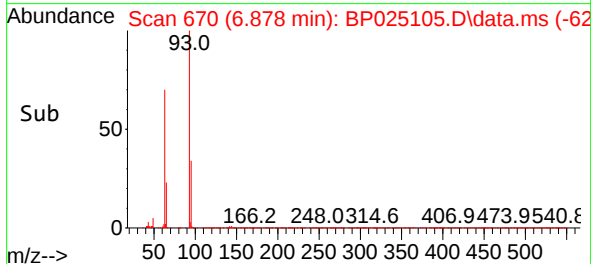
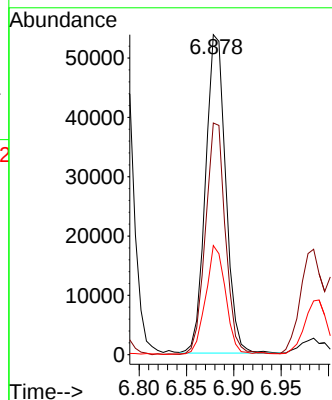
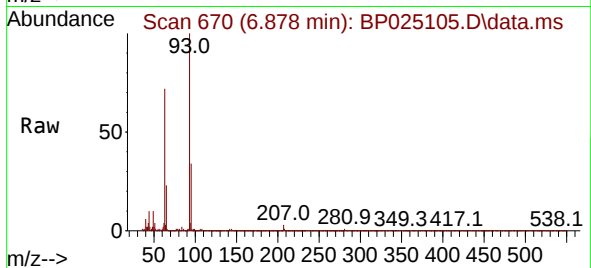




#11
bis(2-Chloroethyl)ether
Concen: 3.694 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

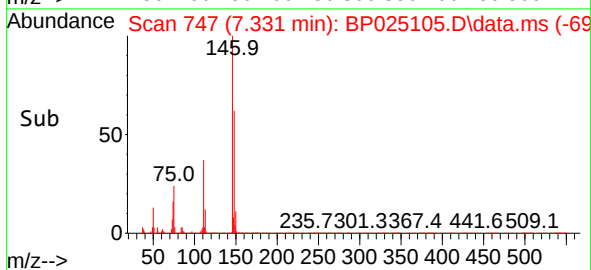
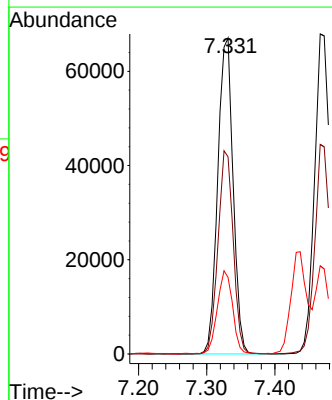
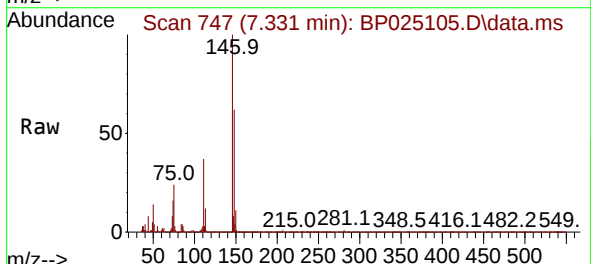
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

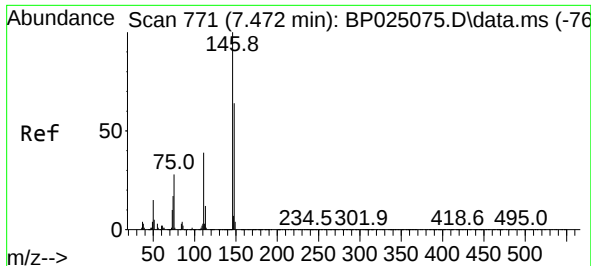
Tgt Ion: 93 Resp: 79303
Ion Ratio Lower Upper
93 100
63 72.4 51.9 91.9
95 34.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 3.985 ng
RT: 7.331 min Scan# 747
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 146 Resp: 104998
Ion Ratio Lower Upper
146 100
148 62.4 51.9 77.9
75 24.2 21.8 32.6

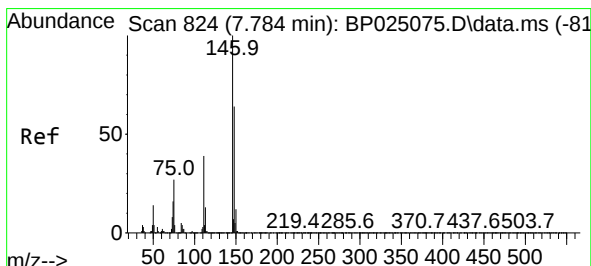
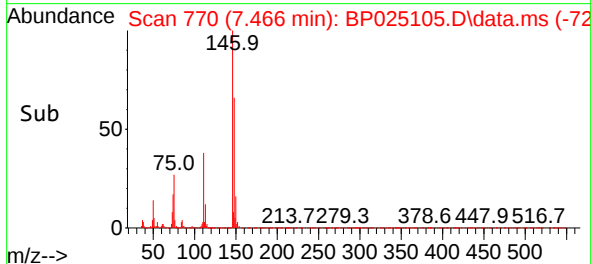
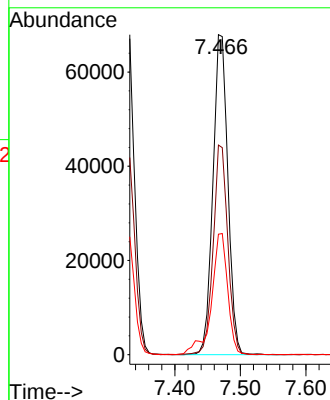
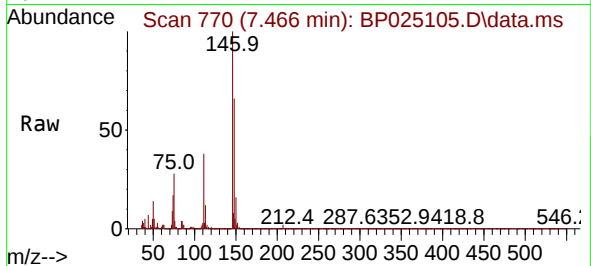




#13
1,4-Dichlorobenzene
Concen: 4.027 ng
RT: 7.466 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

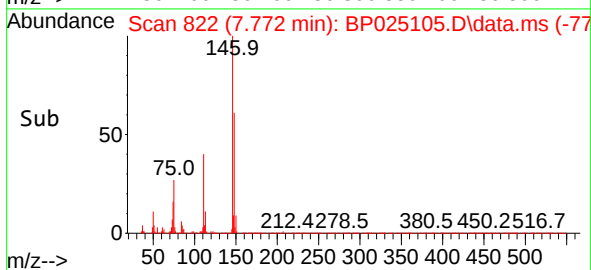
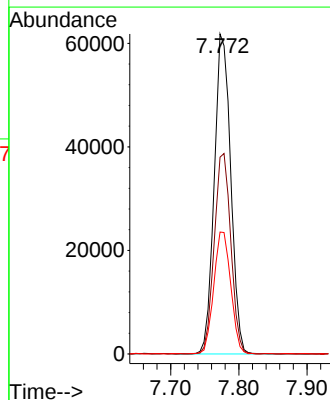
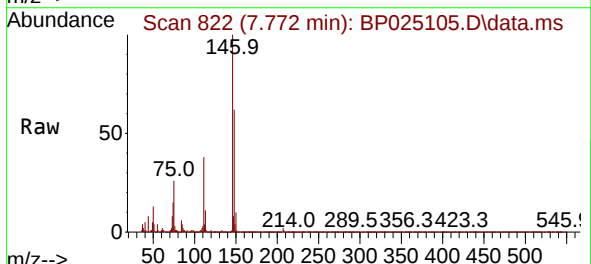
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

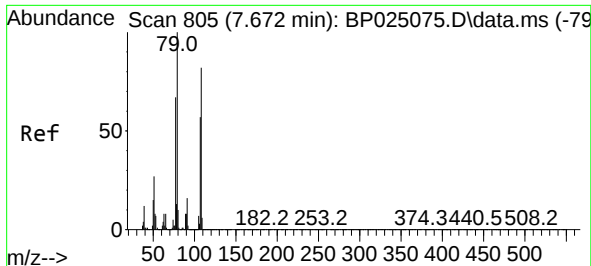
Tgt Ion:146 Resp: 107410
Ion Ratio Lower Upper
146 100
148 65.5 51.1 76.7
111 37.7 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 4.050 ng
RT: 7.772 min Scan# 822
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:146 Resp: 103921
Ion Ratio Lower Upper
146 100
148 61.5 51.1 76.7
111 38.1 31.2 46.8

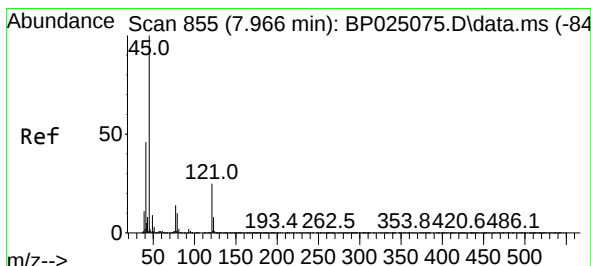
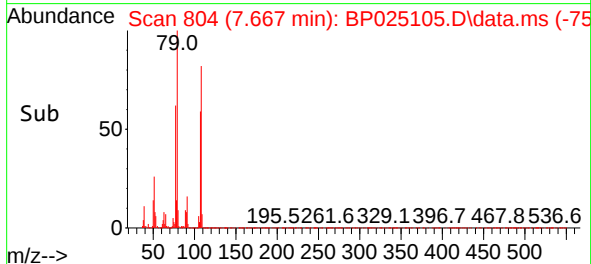
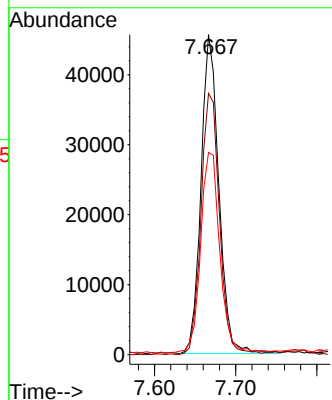
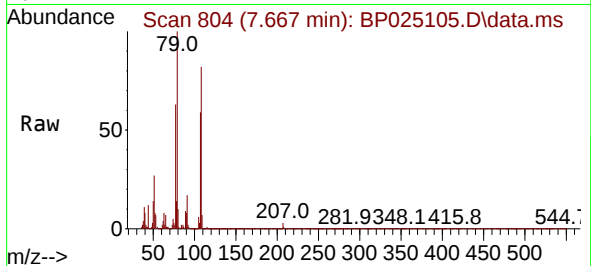




#15
Benzyl Alcohol
Concen: 3.806 ng
RT: 7.667 min Scan# 805
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

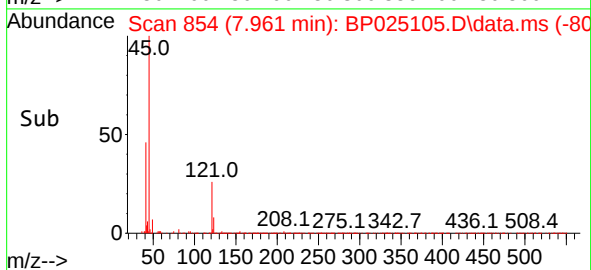
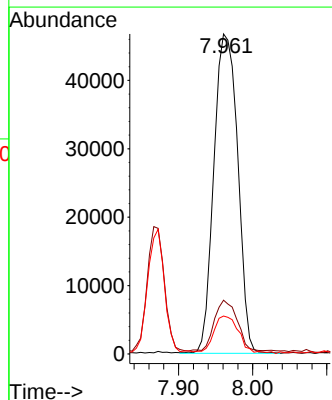
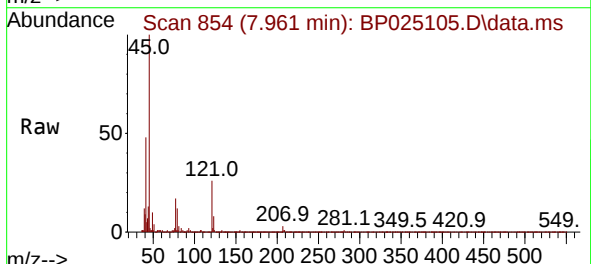
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

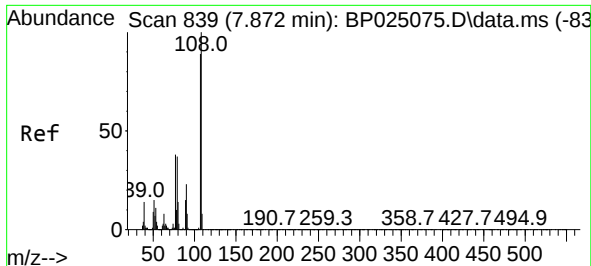
Tgt Ion: 79 Resp: 69744
Ion Ratio Lower Upper
79 100
108 81.7 66.0 99.0
77 63.2 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.746 ng
RT: 7.961 min Scan# 854
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 45 Resp: 104566
Ion Ratio Lower Upper
45 100
77 16.8 0.0 34.8
79 11.9 0.0 30.7

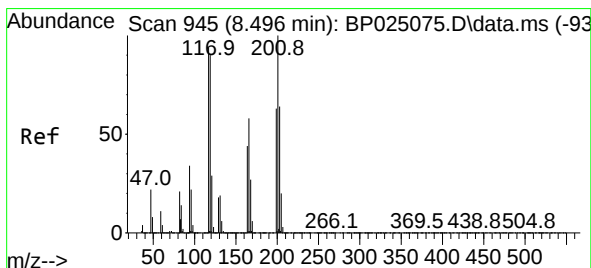
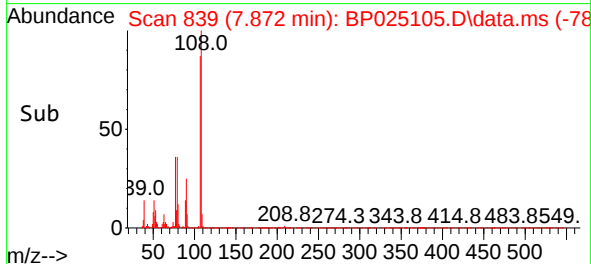
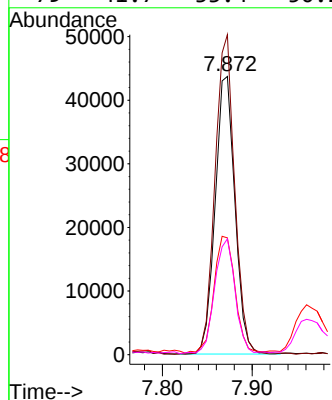
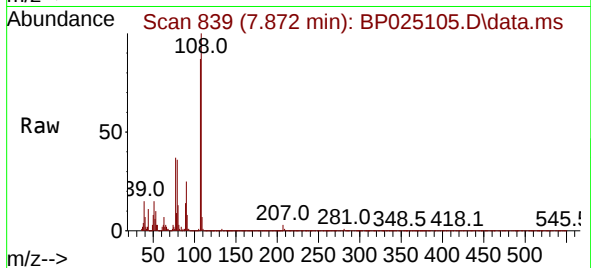




#17
2-Methylphenol
Concen: 3.727 ng
RT: 7.872 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

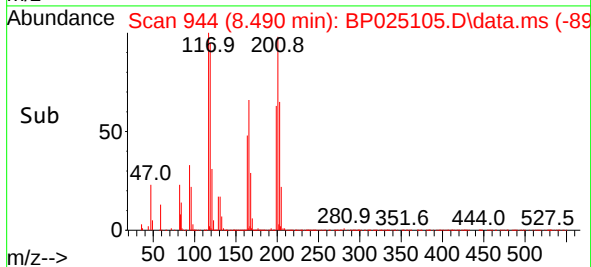
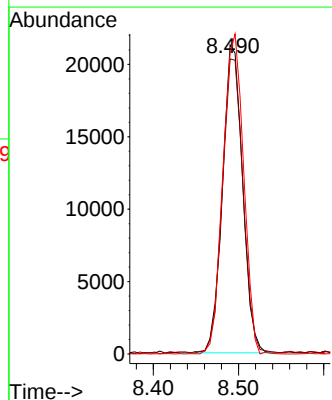
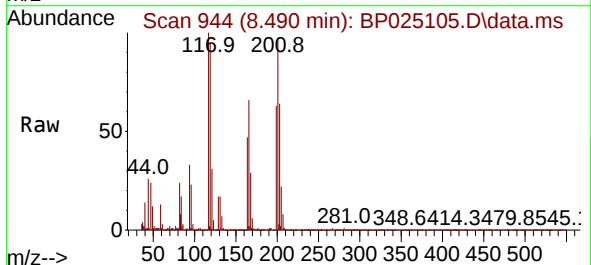
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

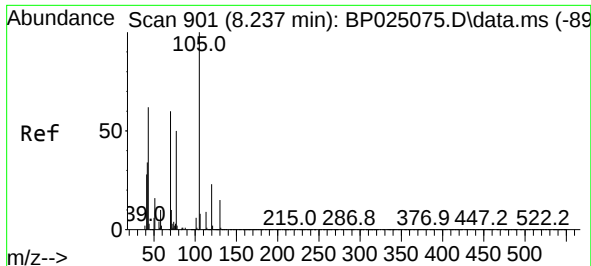
Tgt Ion:	107	Resp:	66972
Ion	Ratio	Lower	Upper
107	100		
108	115.0	89.7	134.5
77	42.0	34.2	51.4
79	41.7	33.4	50.2



#18
Hexachloroethane
Concen: 4.018 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:	117	Resp:	34910
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
201	97.4	85.4	128.2

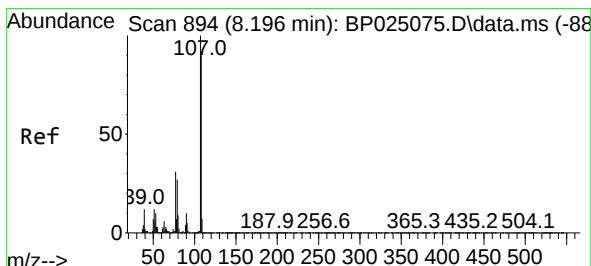
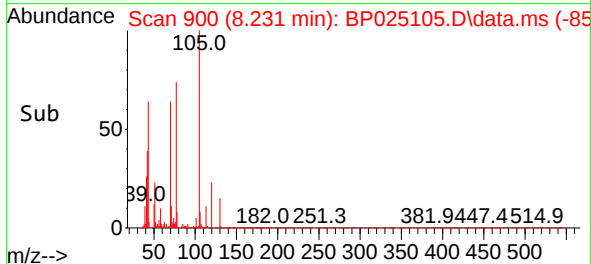
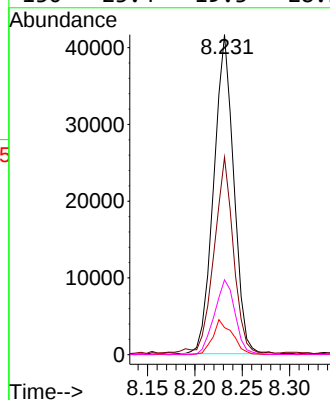
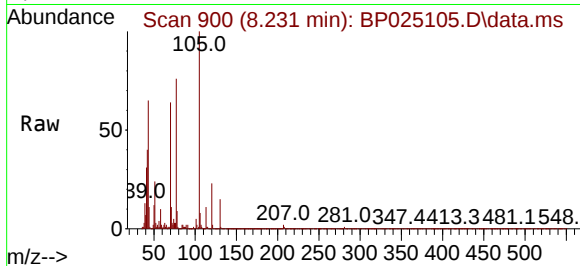




#19
n-Nitroso-di-n-propylamine
Concen: 3.749 ng
RT: 8.231 min Scan# 901
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

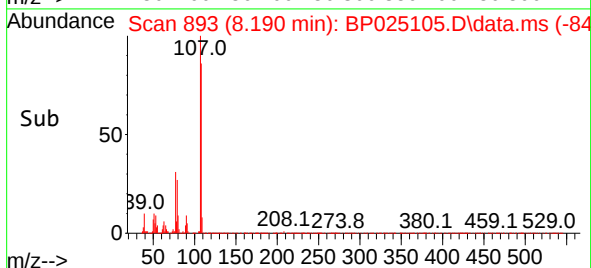
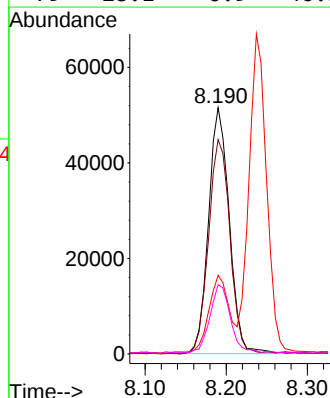
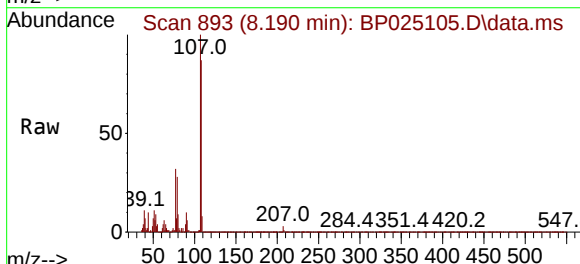
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

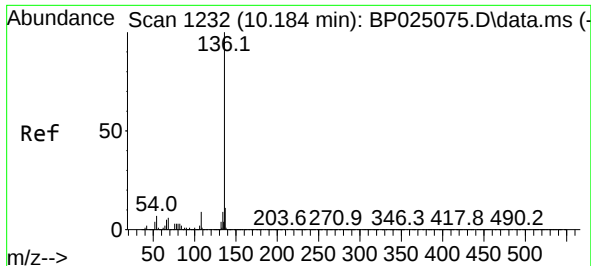
Tgt Ion:	70	Resp:	61050
Ion	Ratio	Lower	Upper
70	100		
42	61.7	46.5	69.7
101	8.5	7.9	11.9
130	23.4	19.3	28.9



#20
3+4-Methylphenols
Concen: 3.633 ng
RT: 8.190 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:	107	Resp:	91451
Ion	Ratio	Lower	Upper
107	100		
108	87.0	69.5	109.5
77	31.9	11.4	51.4
79	28.1	6.9	46.9



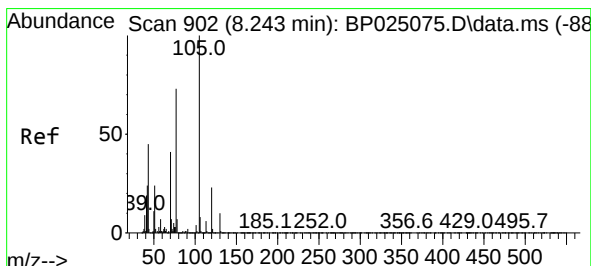
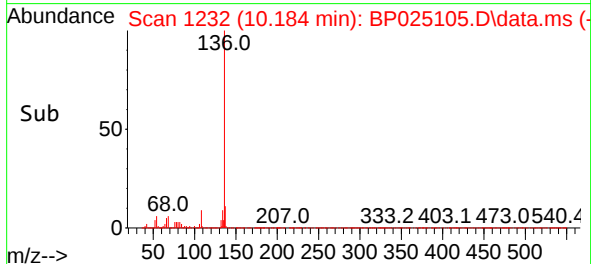
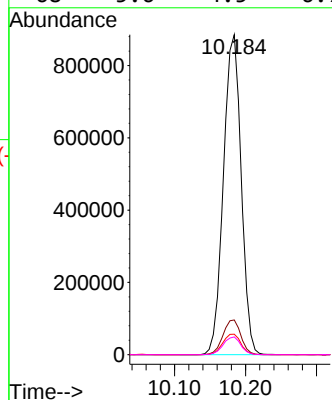
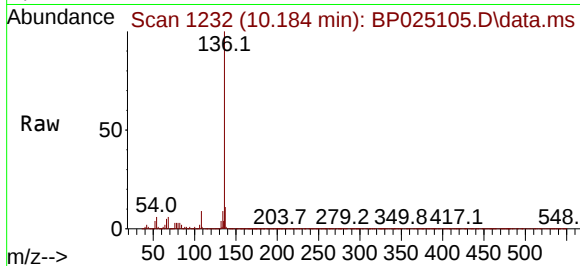


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:136 Resp: 1531899

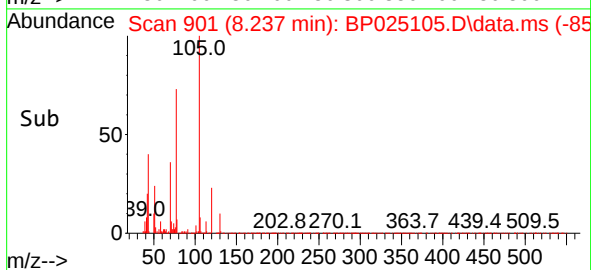
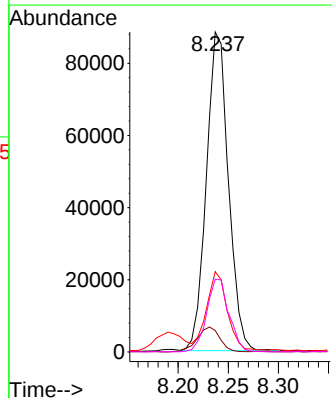
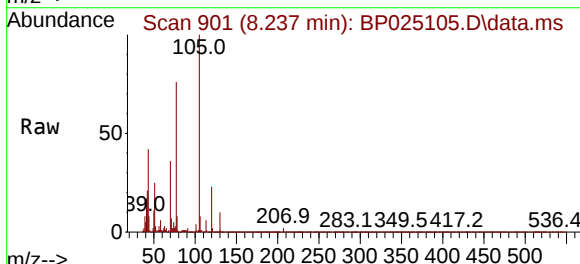
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.4	5.4	8.2
68	5.6	4.5	6.7

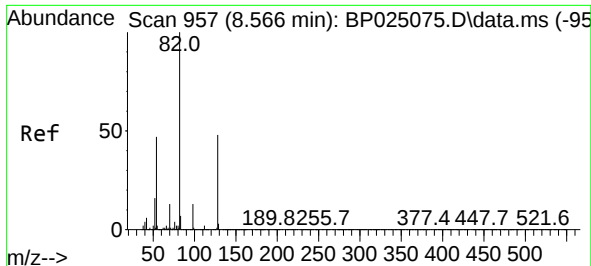


#22
Acetophenone
Concen: 3.736 ng
RT: 8.237 min Scan# 901
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:105 Resp: 135366

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.4	8.2
51	25.1	19.6	29.4
120	22.8	18.8	28.2

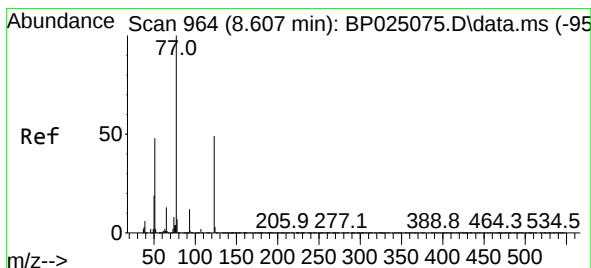
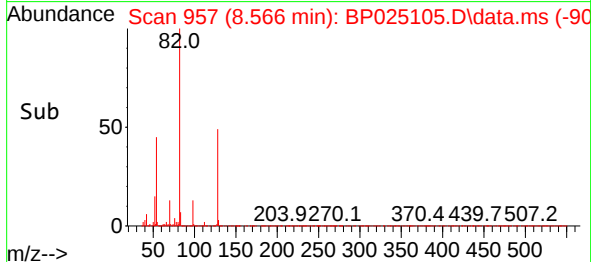
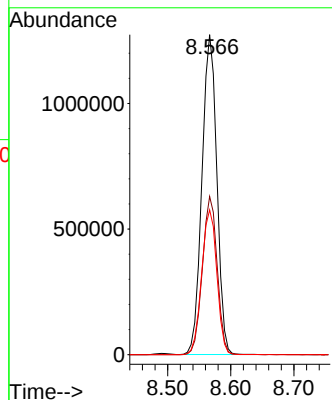
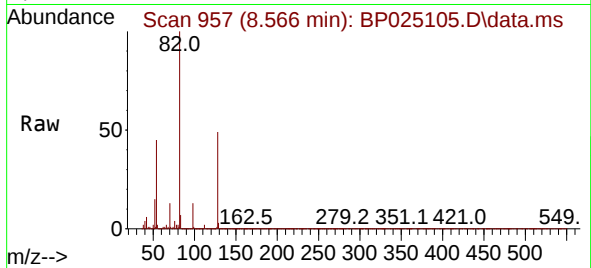




#23
Nitrobenzene-d5
Concen: 90.558 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

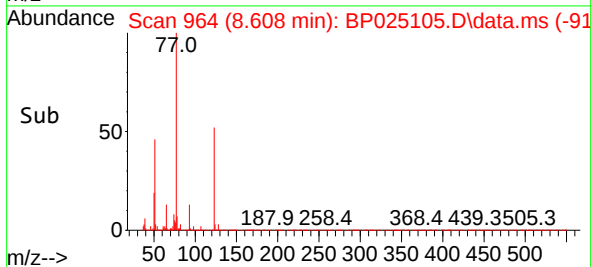
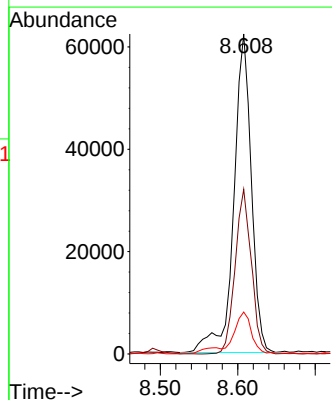
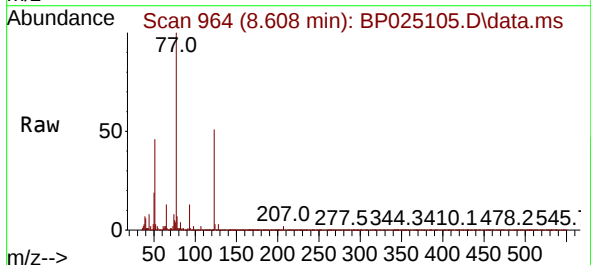
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

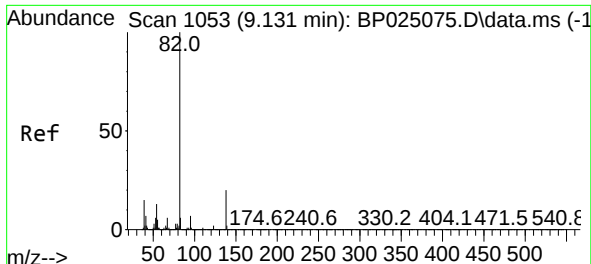
Tgt Ion: 82 Resp: 2085957
Ion Ratio Lower Upper
82 100
128 49.4 38.4 57.6
54 45.3 37.8 56.6



#24
Nitrobenzene
Concen: 4.184 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 77 Resp: 98172
Ion Ratio Lower Upper
77 100
123 51.5 39.0 58.6
65 13.1 10.7 16.1

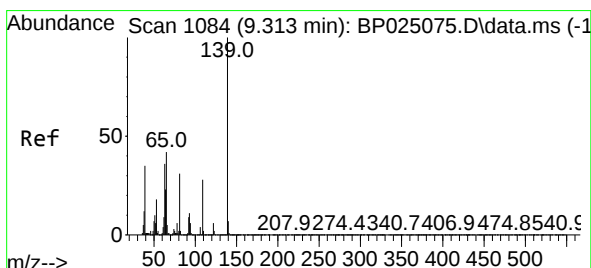
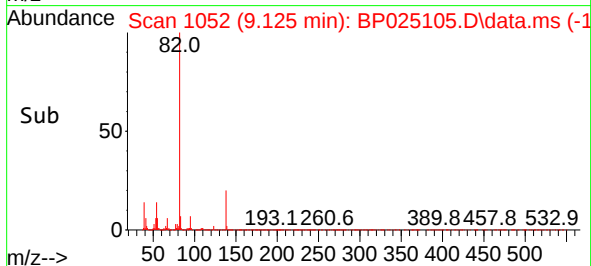
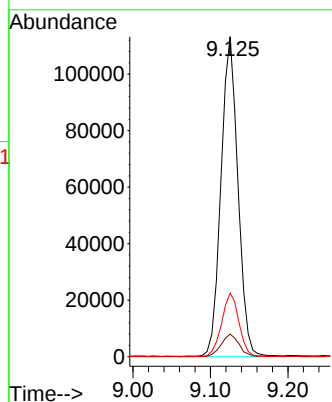
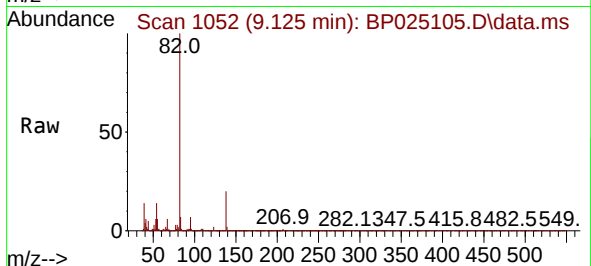




#25
Isophorone
Concen: 4.005 ng
RT: 9.125 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

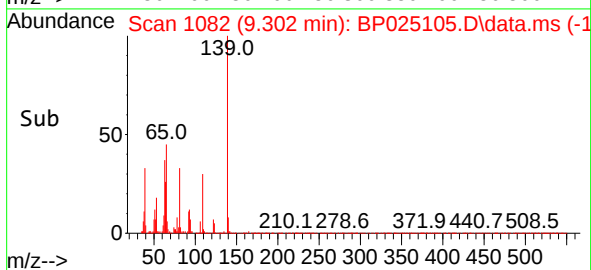
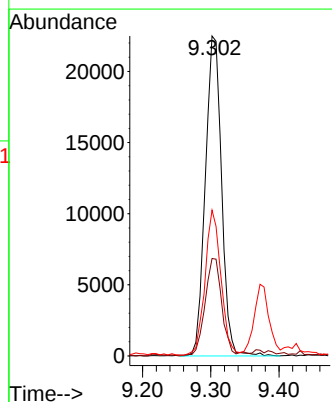
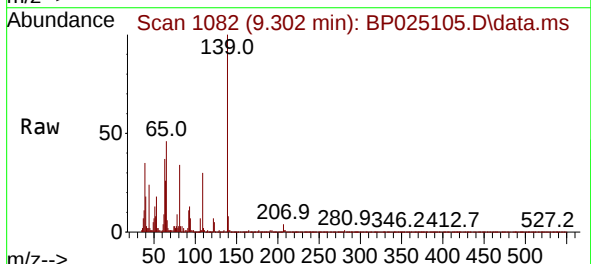
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

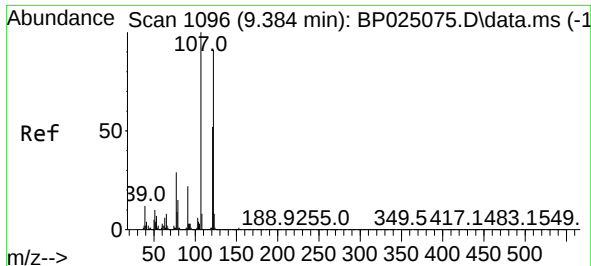
Tgt Ion: 82 Resp: 172389
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 19.9 15.7 23.5



#26
2-Nitrophenol
Concen: 6.357 ng
RT: 9.302 min Scan# 1082
Delta R.T. -0.011 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 139 Resp: 37352
Ion Ratio Lower Upper
139 100
109 30.4 22.3 33.5
65 45.5 33.8 50.8





#27

2,4-Dimethylphenol

Concen: 5.217 ng

RT: 9.372 min Scan# 1094

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

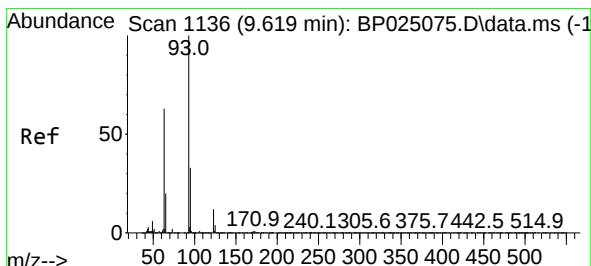
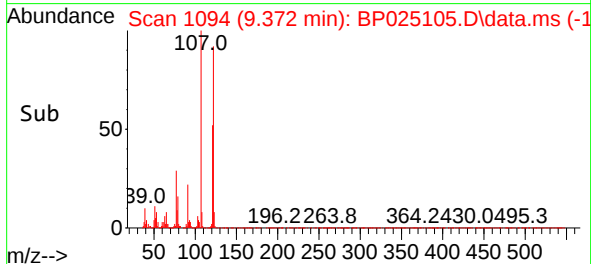
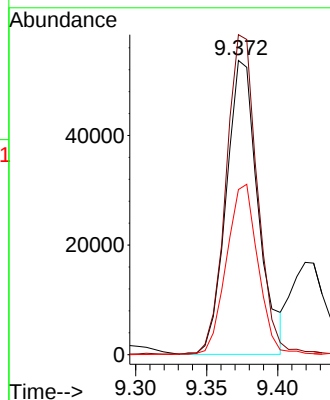
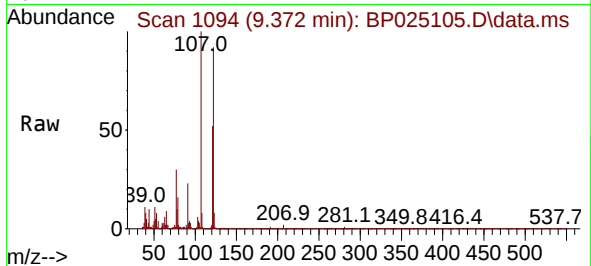
Tgt Ion:122 Resp: 83779

Ion Ratio Lower Upper

122 100

107 108.7 88.2 132.2

121 56.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.738 ng

RT: 9.613 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

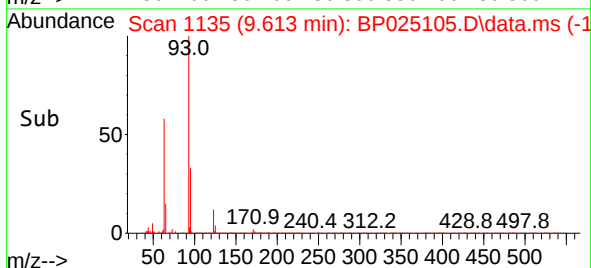
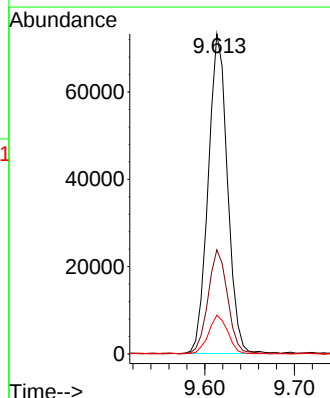
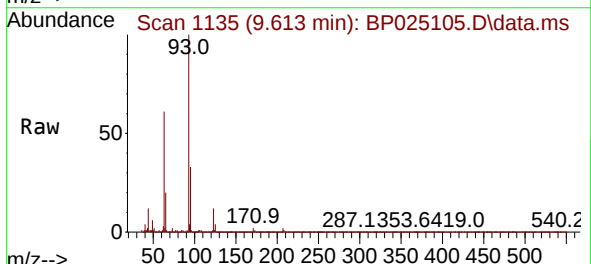
Tgt Ion: 93 Resp: 109270

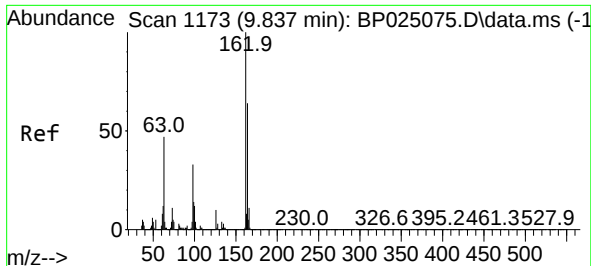
Ion Ratio Lower Upper

93 100

95 32.6 26.4 39.6

123 12.1 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 3.509 ng

RT: 9.837 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

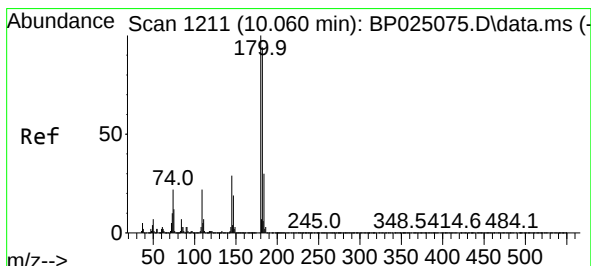
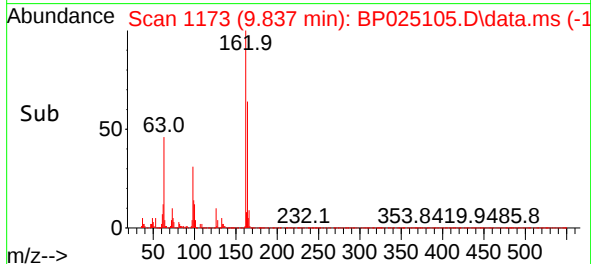
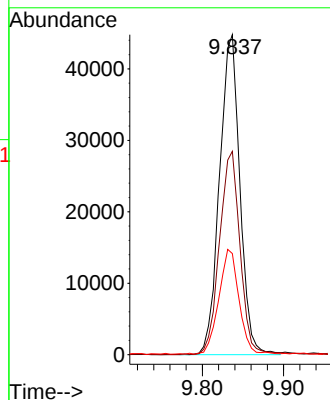
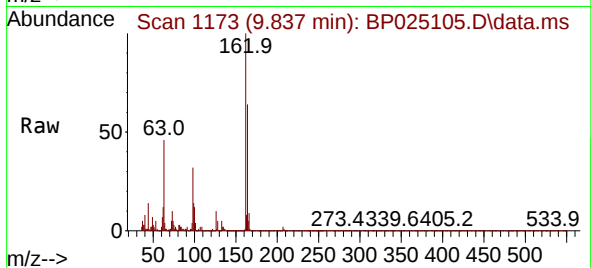
Tgt Ion:162 Resp: 78123

Ion Ratio Lower Upper

162 100

164 63.6 44.1 84.1

98 31.6 13.1 53.1



#30

1,2,4-Trichlorobenzene

Concen: 3.890 ng

RT: 10.049 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

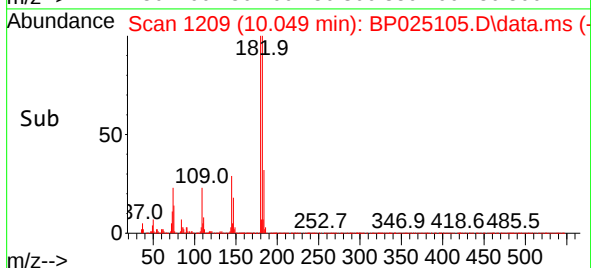
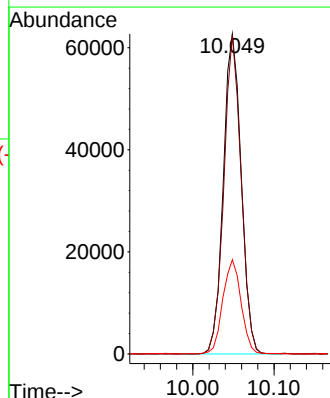
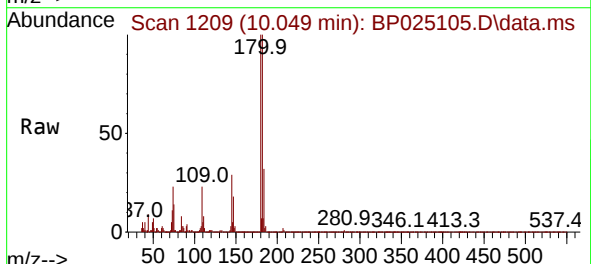
Tgt Ion:180 Resp: 95920

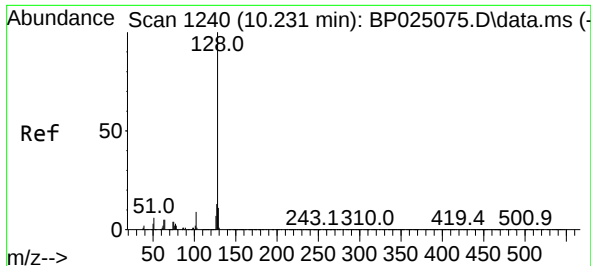
Ion Ratio Lower Upper

180 100

182 99.7 75.1 112.7

145 29.5 23.3 34.9

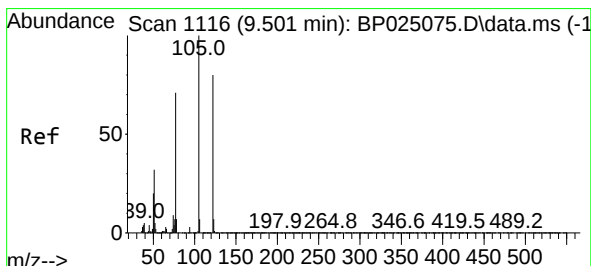
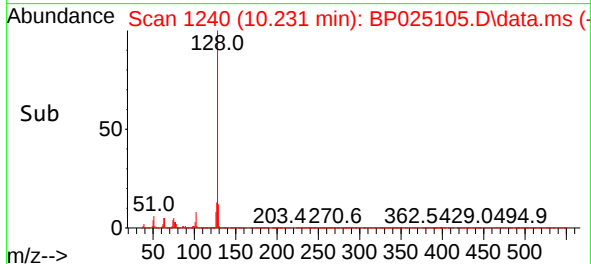
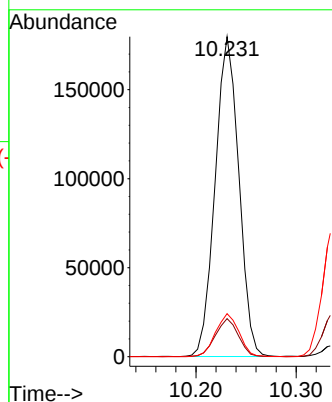
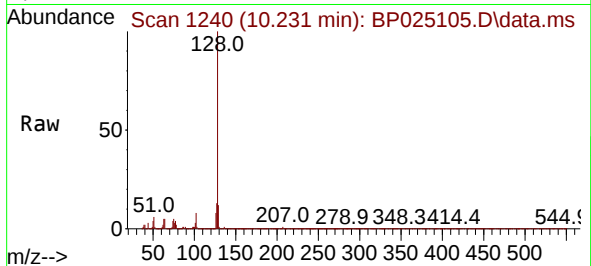




#31
Naphthalene
Concen: 3.736 ng
RT: 10.231 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

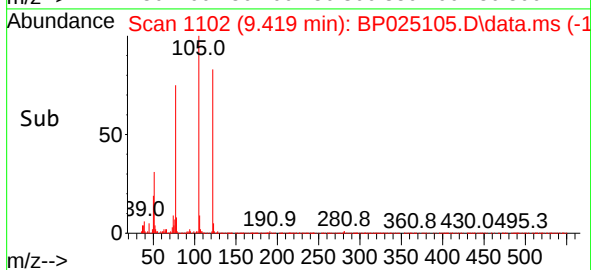
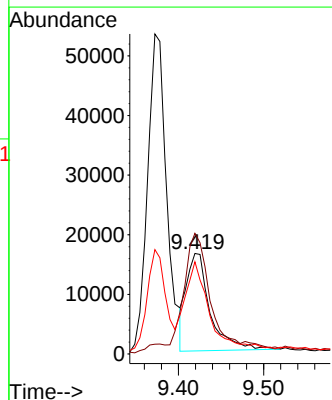
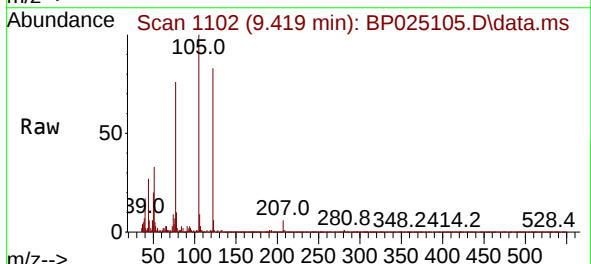
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

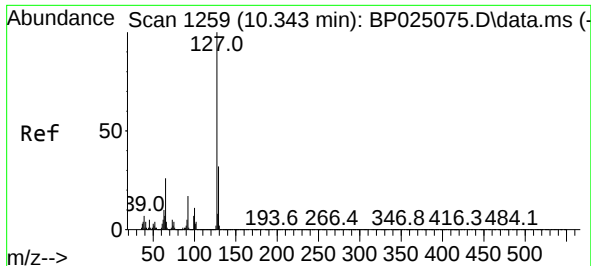
Tgt Ion:128 Resp: 294690
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.5 10.4 15.6



#32
Benzoic acid
Concen: 7.921 ng
RT: 9.419 min Scan# 1102
Delta R.T. -0.082 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:122 Resp: 31635
Ion Ratio Lower Upper
122 100
105 120.1 101.0 141.0
77 91.8 67.6 107.6

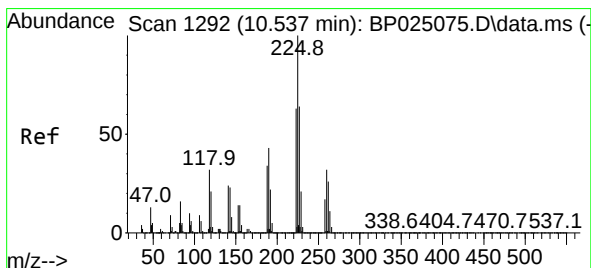
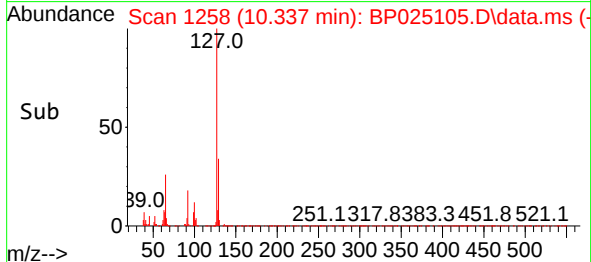
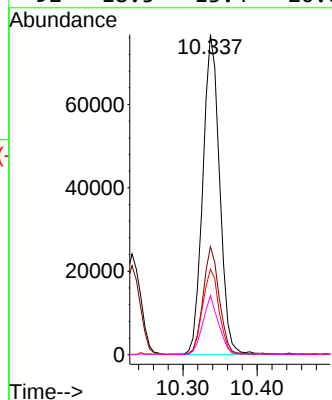
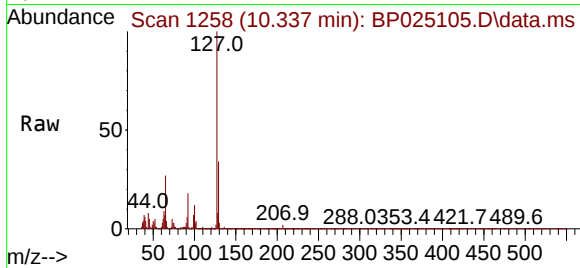




#33
4-Chloroaniline
Concen: 4.114 ng
RT: 10.337 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

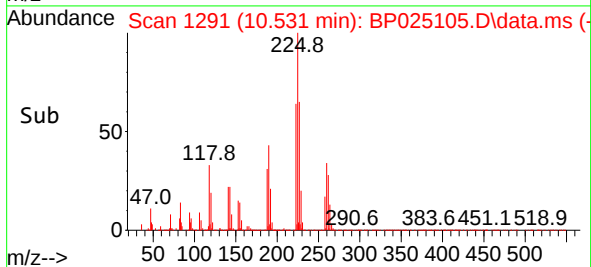
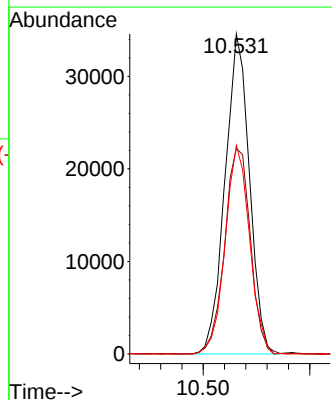
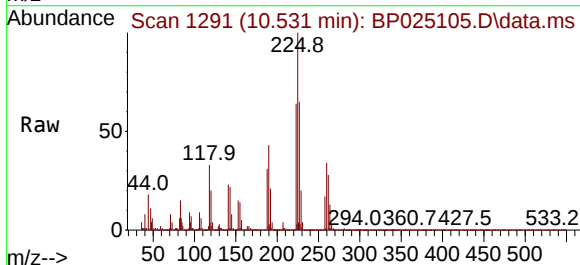
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

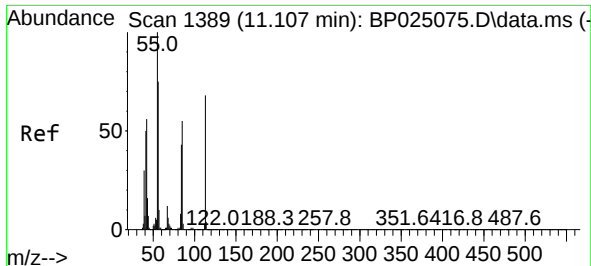
Tgt Ion:	127	Resp:	121100
Ion Ratio	Lower	Upper	
127	100		
129	33.8	25.4	38.2
65	26.8	21.0	31.6
92	18.5	13.4	20.0



#34
Hexachlorobutadiene
Concen: 3.885 ng
RT: 10.531 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:	225	Resp:	54967
Ion Ratio	Lower	Upper	
225	100		
223	64.3	50.3	75.5
227	65.2	51.3	76.9

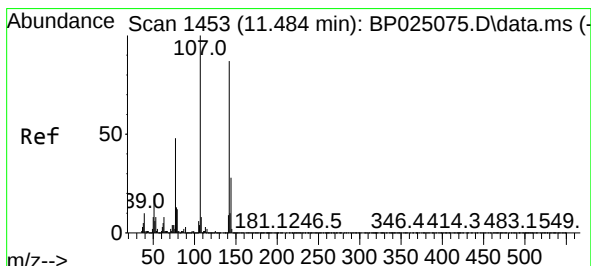
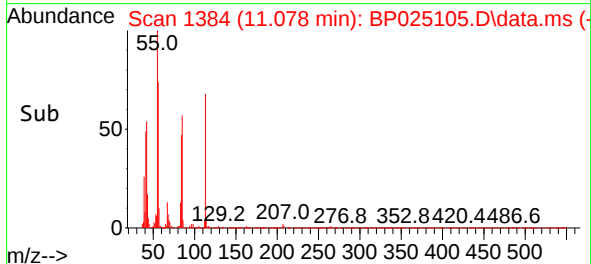
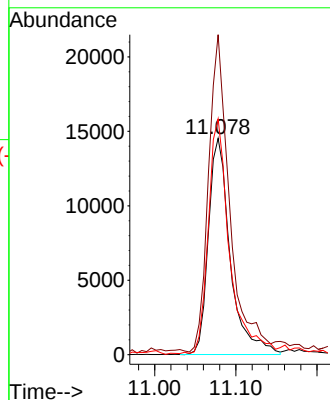
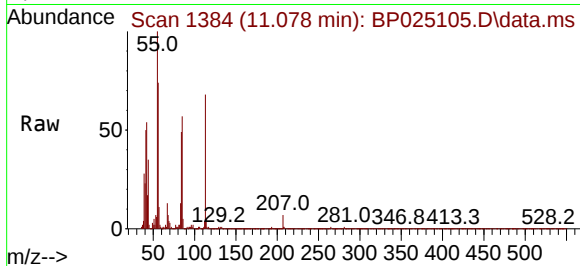




#35
Caprolactam
Concen: 3.565 ng
RT: 11.078 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

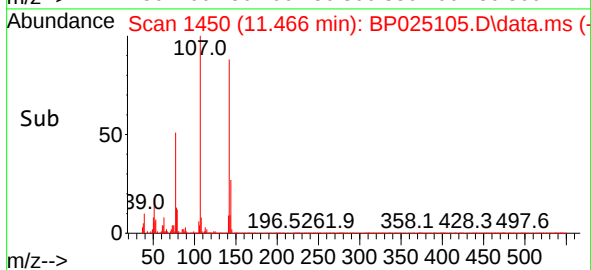
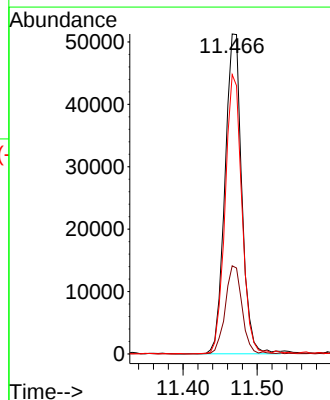
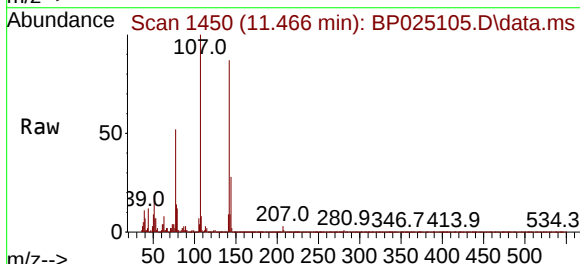
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

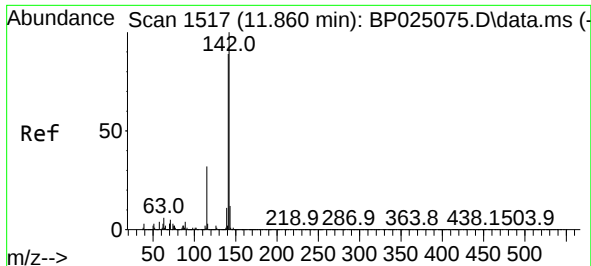
Tgt Ion:113 Resp: 27158
Ion Ratio Lower Upper
113 100
55 148.0 128.1 168.1
56 109.1 90.7 130.7



#36
4-Chloro-3-methylphenol
Concen: 3.476 ng
RT: 11.466 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:107 Resp: 80884
Ion Ratio Lower Upper
107 100
144 27.5 22.4 33.6
142 87.3 69.6 104.4

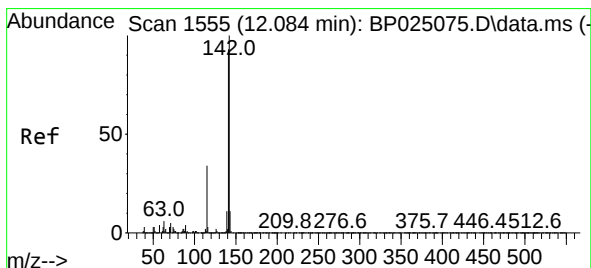
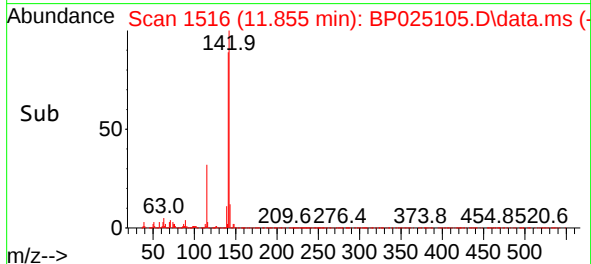
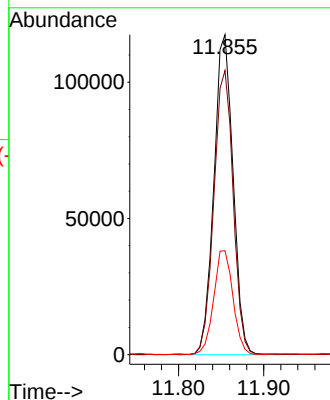
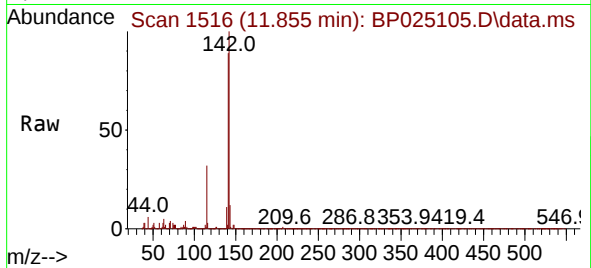




#37
2-Methylnaphthalene
Concen: 3.309 ng
RT: 11.855 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

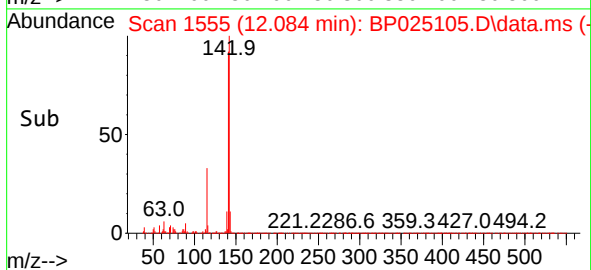
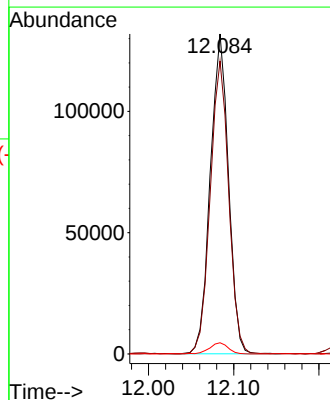
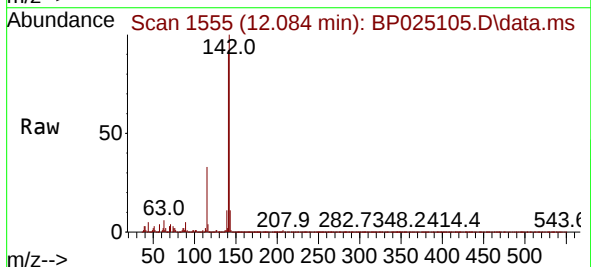
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

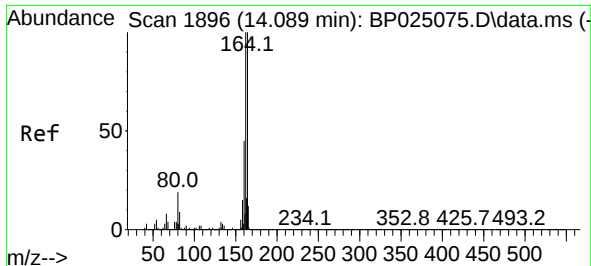
Tgt Ion:142 Resp: 184166
Ion Ratio Lower Upper
142 100
141 88.8 71.2 106.8
115 32.5 25.9 38.9



#38
1-Methylnaphthalene
Concen: 3.593 ng
RT: 12.084 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:142 Resp: 195019
Ion Ratio Lower Upper
142 100
141 91.6 74.1 111.1
116 3.5 2.7 4.1

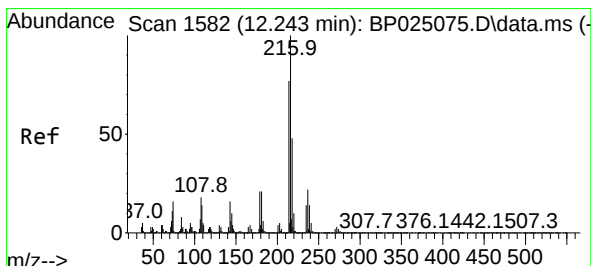
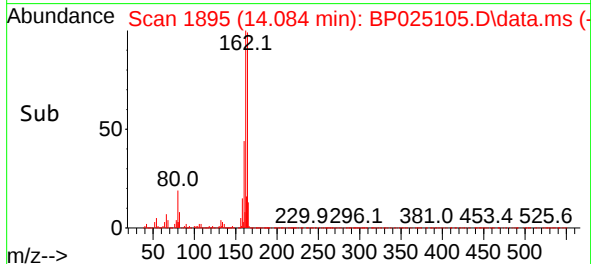
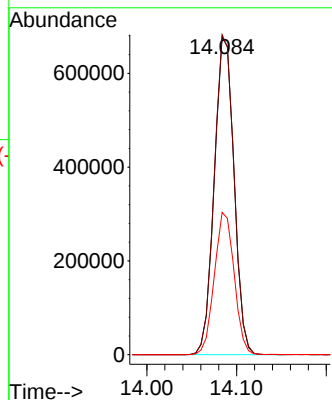
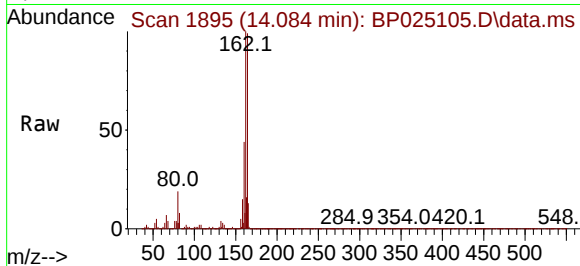




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1896
Delta R.T. -0.005 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

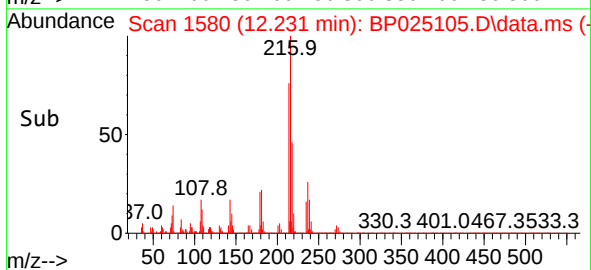
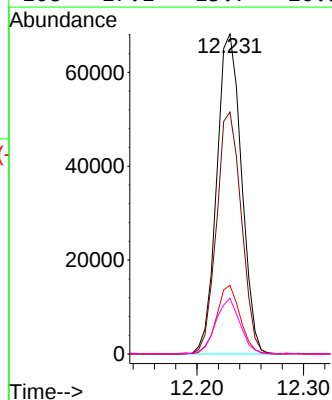
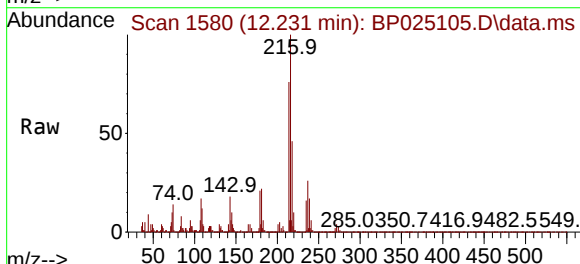
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

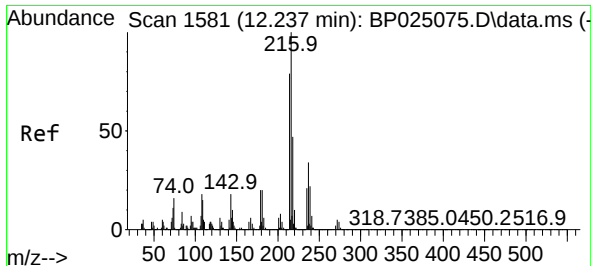
Tgt Ion:164 Resp: 1031731
Ion Ratio Lower Upper
164 100
162 100.8 80.3 120.5
160 44.8 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.709 ng
RT: 12.231 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:216 Resp: 109974
Ion Ratio Lower Upper
216 100
214 75.8 62.4 93.6
179 20.7 16.5 24.7
108 17.1 13.7 20.5

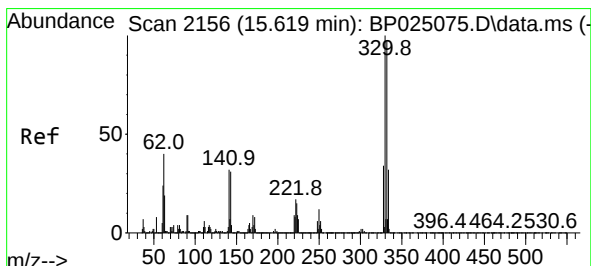
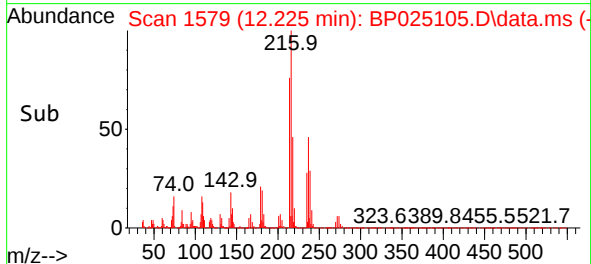
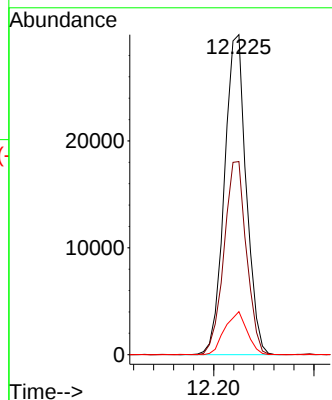
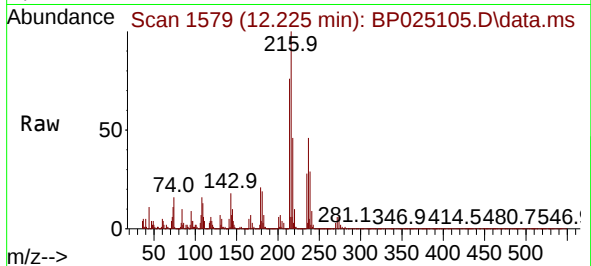




#41
Hexachlorocyclopentadiene
Concen: 5.834 ng
RT: 12.225 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

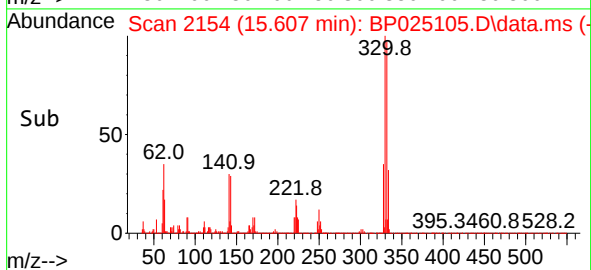
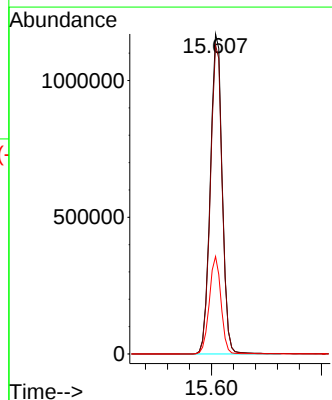
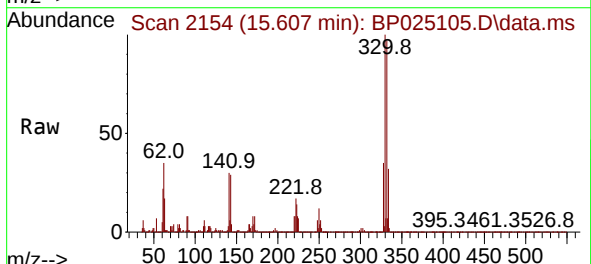
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

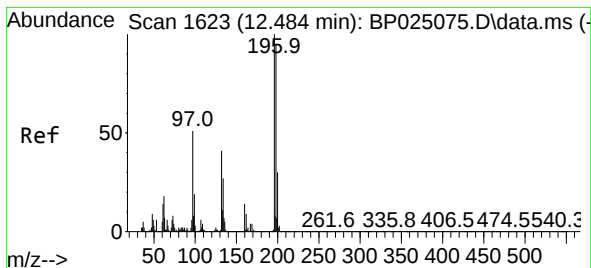
Tgt Ion:237 Resp: 45182
Ion Ratio Lower Upper
237 100
235 60.4 41.6 81.6
272 13.5 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 143.895 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:330 Resp: 1753825
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 29.8 26.0 39.0





#43

2,4,6-Trichlorophenol

Concen: 3.532 ng

RT: 12.484 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

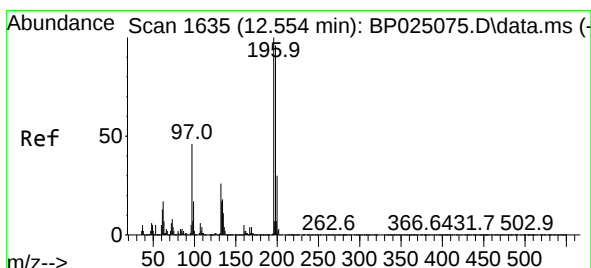
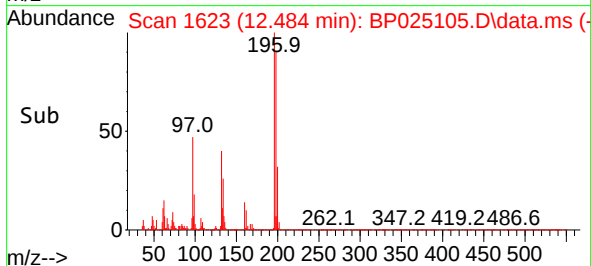
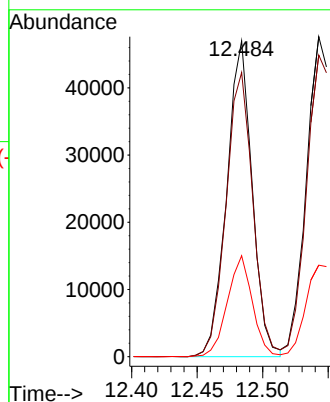
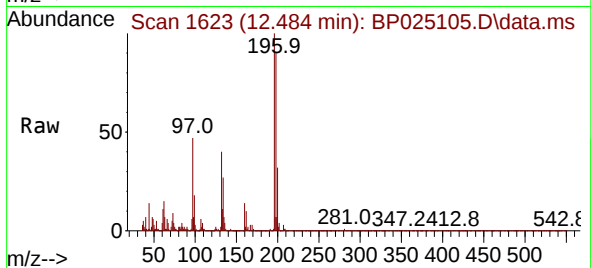
Tgt Ion:196 Resp: 63424

Ion Ratio Lower Upper

196 100

198 90.0 76.2 114.2

200 32.0 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 3.533 ng

RT: 12.543 min Scan# 1633

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Tgt Ion:196 Resp: 71879

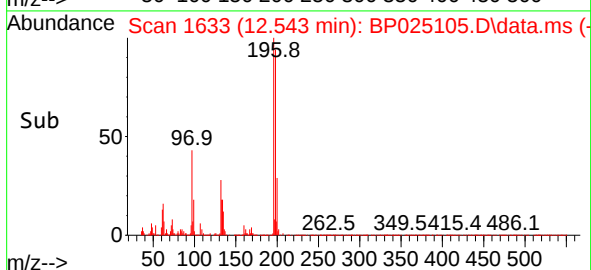
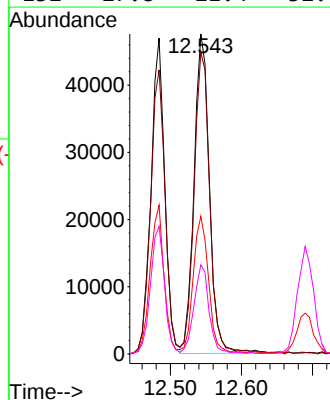
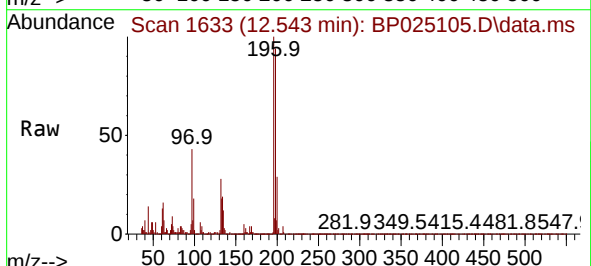
Ion Ratio Lower Upper

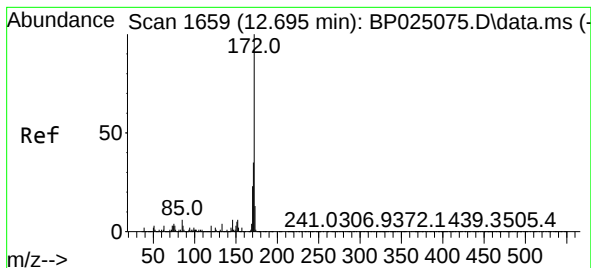
196 100

198 94.3 76.6 115.0

97 43.0 36.6 55.0

132 27.8 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 86.428 ng

RT: 12.690 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

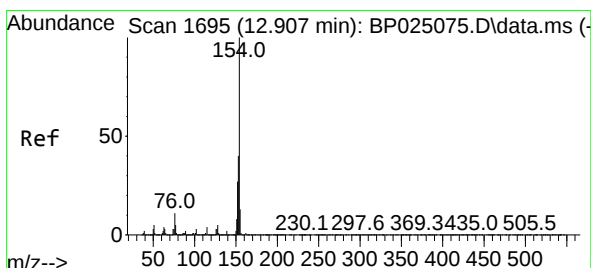
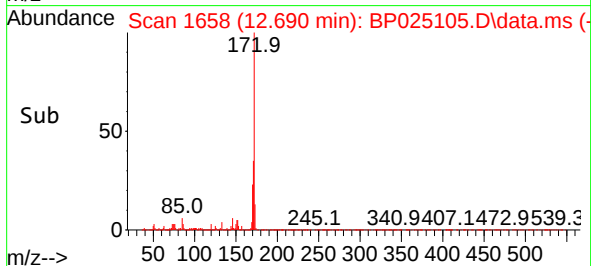
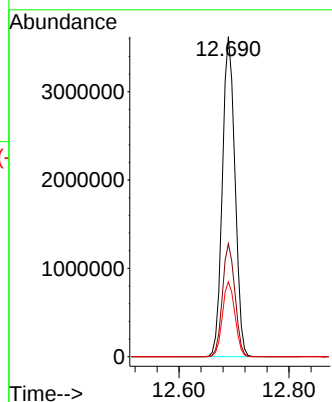
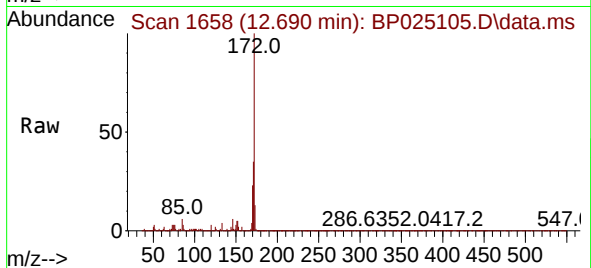
Tgt Ion:172 Resp: 5756028

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 3.710 ng

RT: 12.896 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

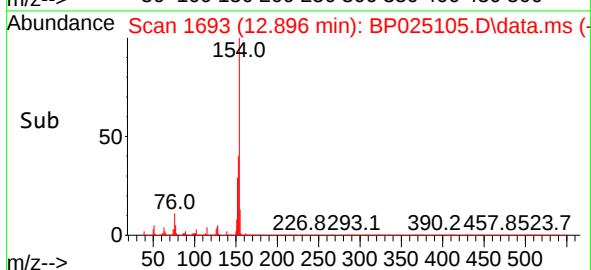
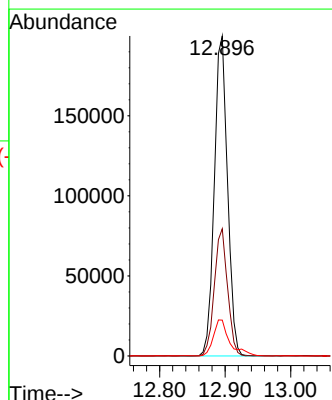
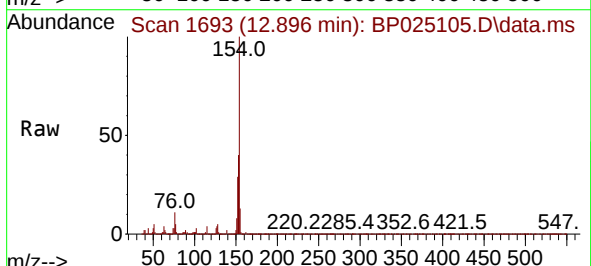
Tgt Ion:154 Resp: 278525

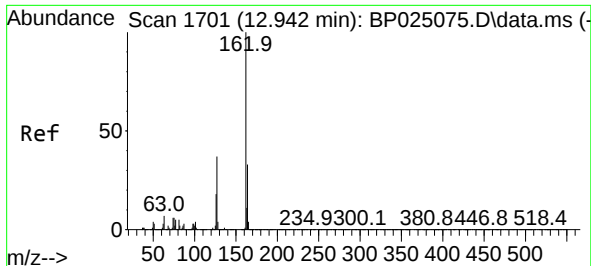
Ion Ratio Lower Upper

154 100

153 39.7 20.2 60.2

76 11.2 0.0 31.5

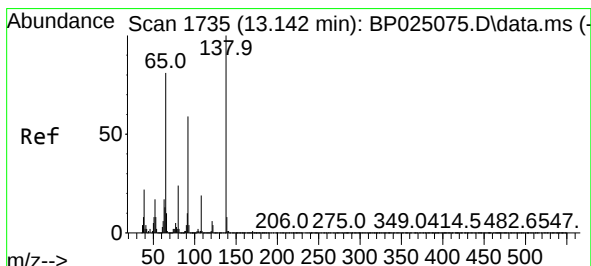
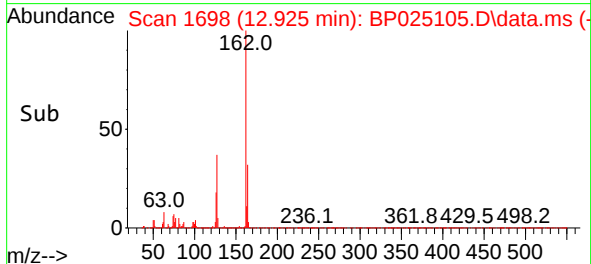
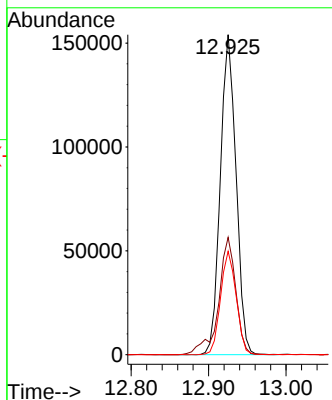
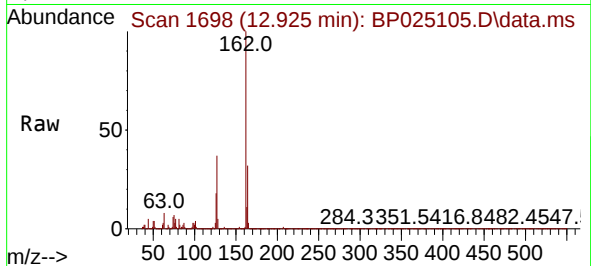




#47
2-Chloronaphthalene
Concen: 3.844 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

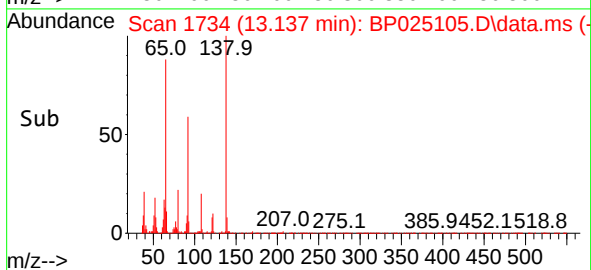
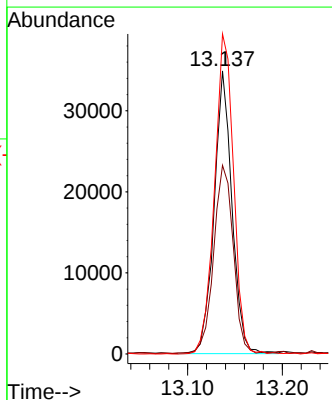
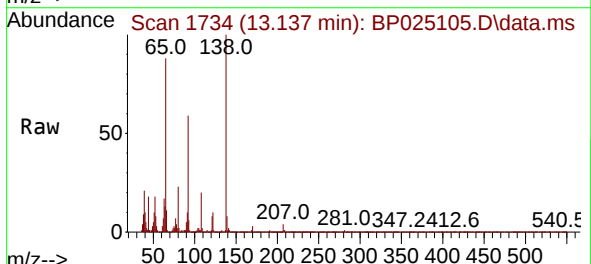
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

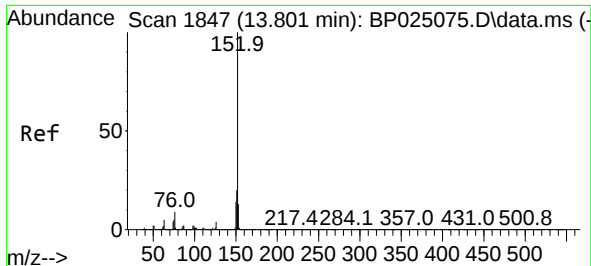
Tgt Ion:162 Resp: 216870
Ion Ratio Lower Upper
162 100
127 36.7 29.4 44.2
164 32.3 26.4 39.6



#48
2-Nitroaniline
Concen: 5.891 ng
RT: 13.137 min Scan# 1734
Delta R.T. -0.005 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion: 65 Resp: 45857
Ion Ratio Lower Upper
65 100
92 66.7 58.7 88.1
138 113.0 99.0 148.4

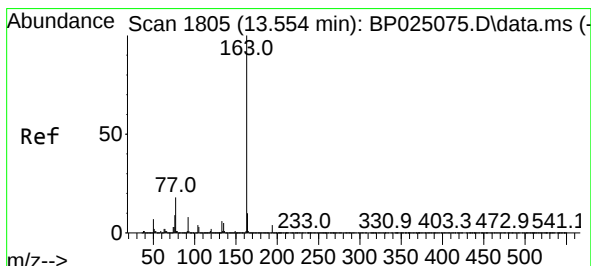
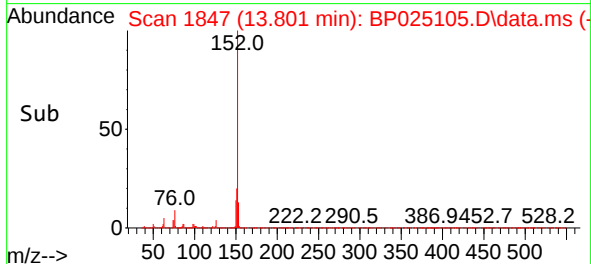
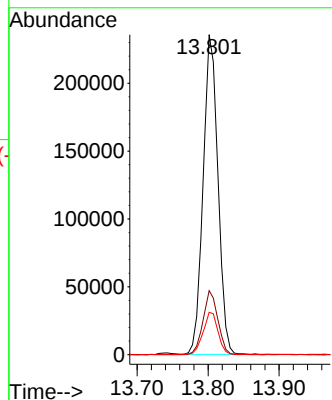
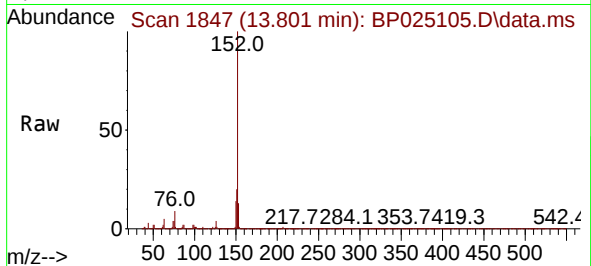




#49
Acenaphthylene
Concen: 3.968 ng
RT: 13.801 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

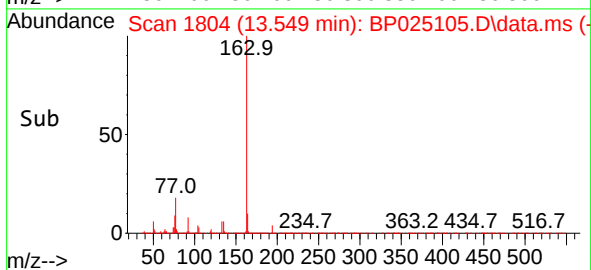
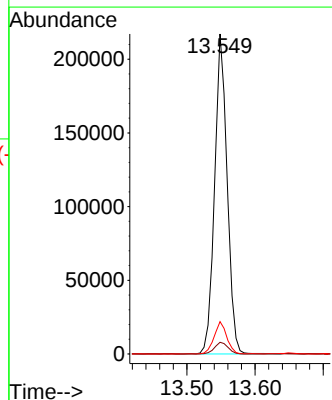
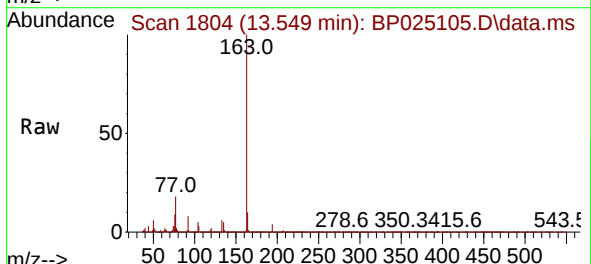
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

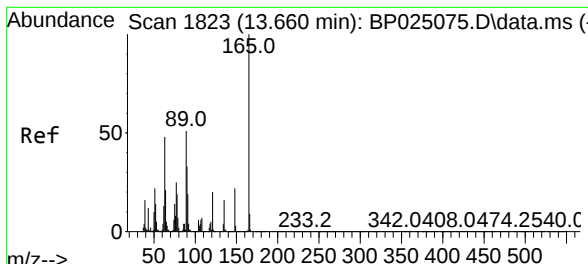
Tgt Ion:152 Resp: 342655
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.3 10.7 16.1



#50
Dimethylphthalate
Concen: 3.842 ng
RT: 13.549 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:163 Resp: 277470
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.1 8.0 12.0

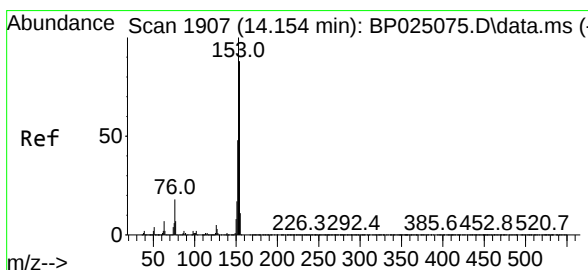
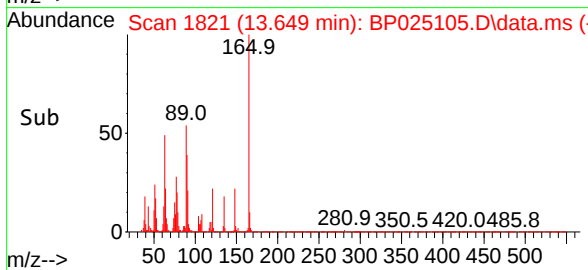
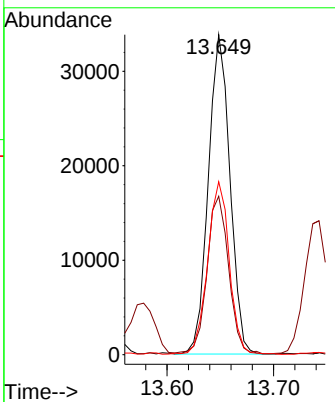
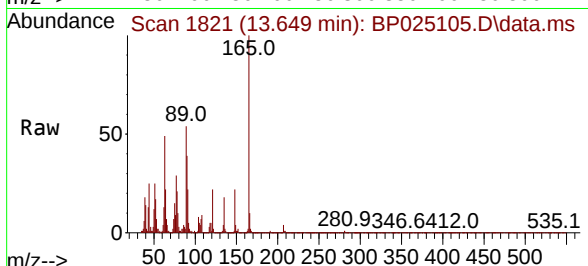




#51
 2,6-Dinitrotoluene
 Concen: 3.371 ng
 RT: 13.649 min Scan# 1821
 Delta R.T. -0.012 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

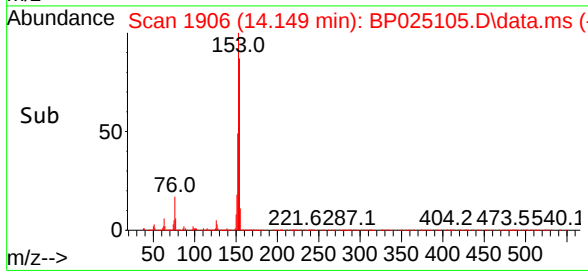
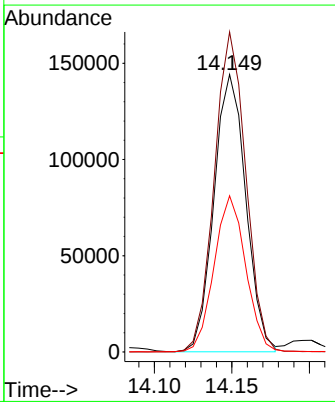
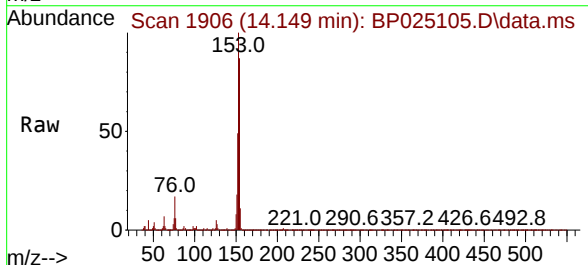
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

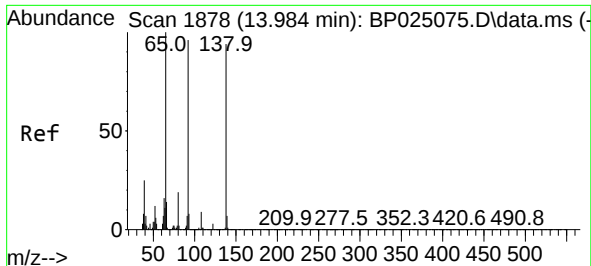
Tgt Ion:	165	Resp:	47484
Ion Ratio	Lower	Upper	
165	100		
63	49.5	38.5	57.7
89	54.1	40.6	61.0



#52
 Acenaphthene
 Concen: 3.702 ng
 RT: 14.149 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

Tgt Ion:	154	Resp:	206029
Ion Ratio	Lower	Upper	
154	100		
153	115.4	90.6	136.0
152	56.3	43.8	65.8

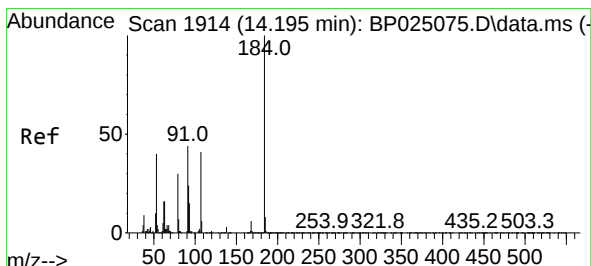
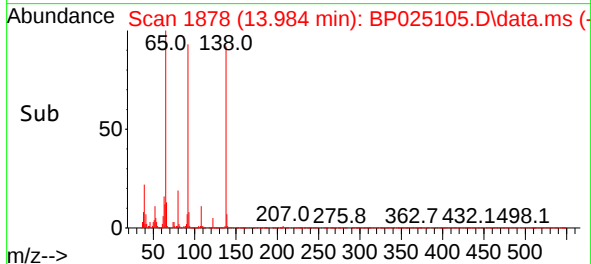
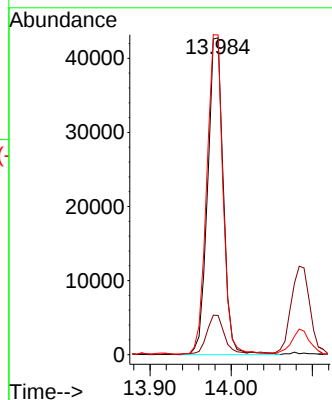
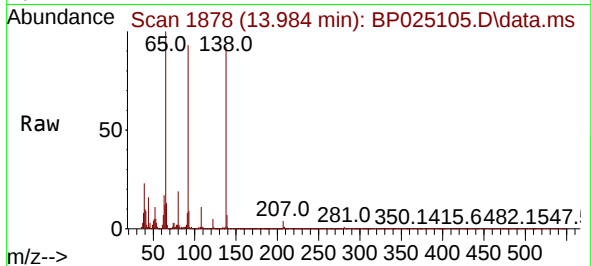




#53
3-Nitroaniline
Concen: 3.793 ng
RT: 13.984 min Scan# 1878
Delta R.T. 0.000 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

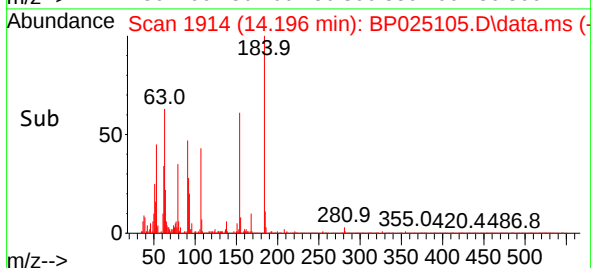
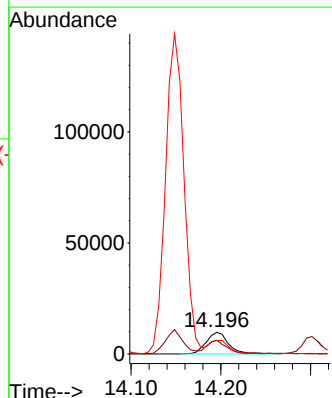
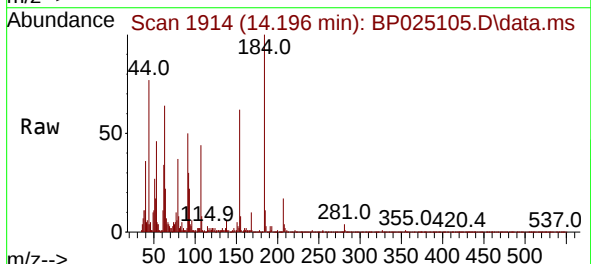
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

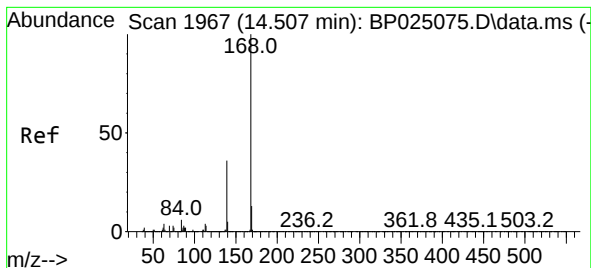
Tgt Ion:138 Resp: 57251
Ion Ratio Lower Upper
138 100
108 12.4 7.8 11.8#
92 100.9 81.0 121.4



#54
2,4-Dinitrophenol
Concen: 7.683 ng
RT: 14.196 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:184 Resp: 16960
Ion Ratio Lower Upper
184 100
63 63.9 47.4 71.0
154 61.8 47.8 71.8





#55

Dibenzenofuran

Concen: 3.731 ng

RT: 14.490 min Scan# 1964

Delta R.T. -0.017 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

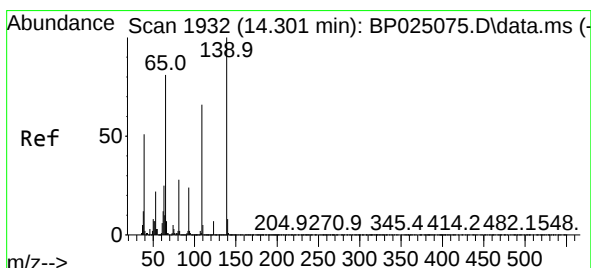
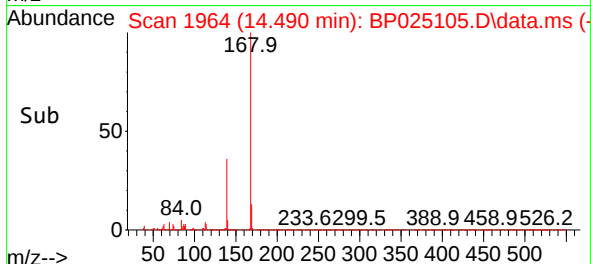
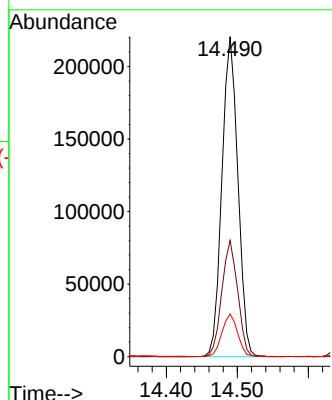
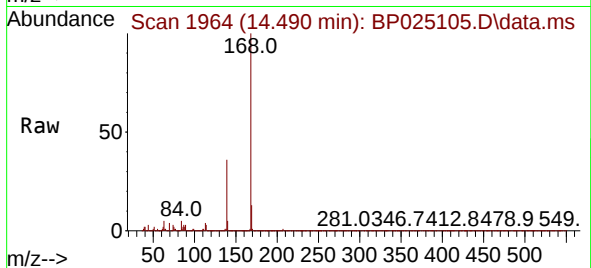
Tgt Ion:168 Resp: 342677

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

169 13.4 10.7 16.1



#56

4-Nitrophenol

Concen: 3.208 ng

RT: 14.301 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

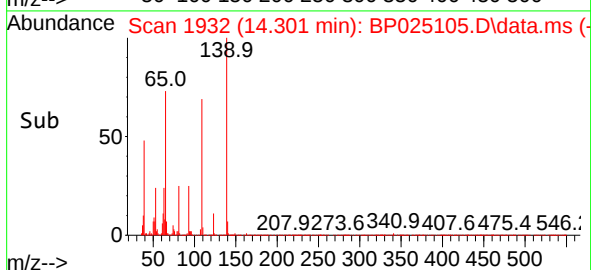
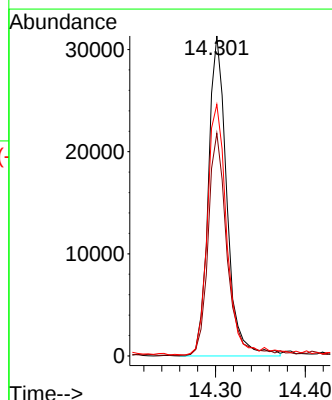
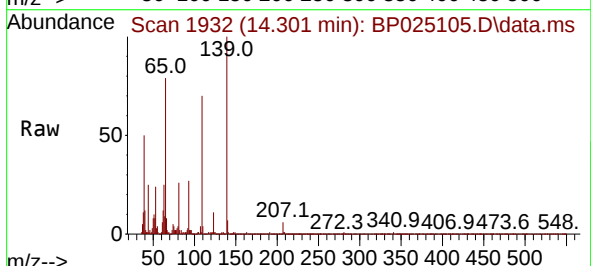
Tgt Ion:139 Resp: 44688

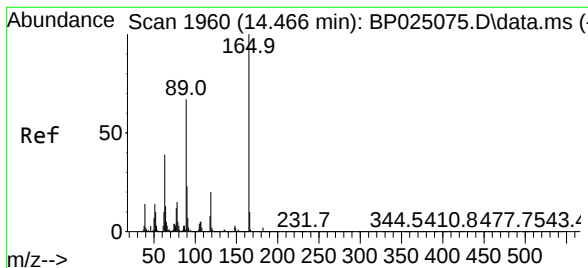
Ion Ratio Lower Upper

139 100

109 69.6 45.9 85.9

65 78.6 61.4 101.4

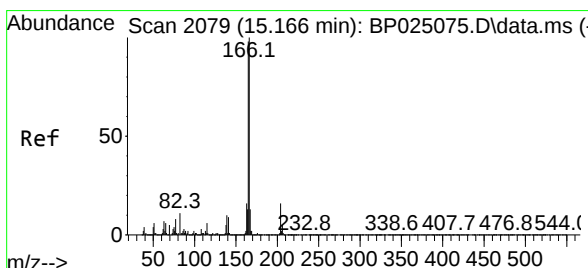
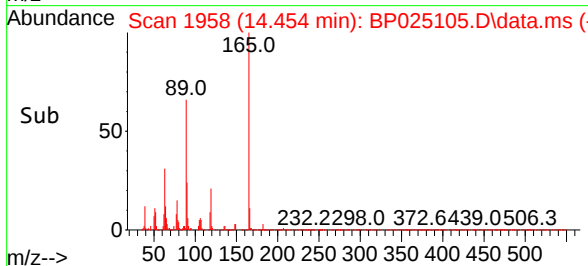
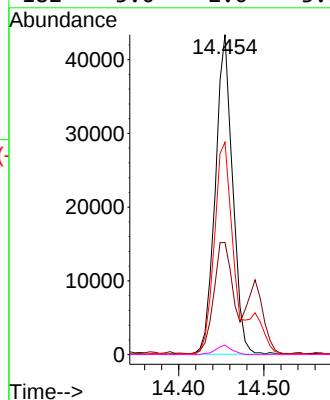
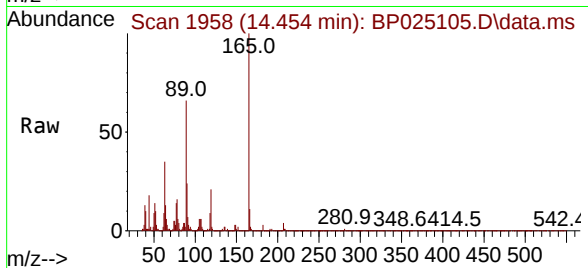




#57
2,4-Dinitrotoluene
Concen: 5.427 ng
RT: 14.454 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

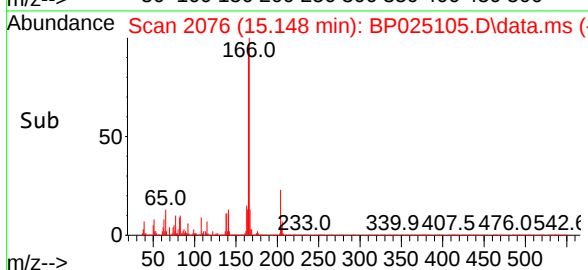
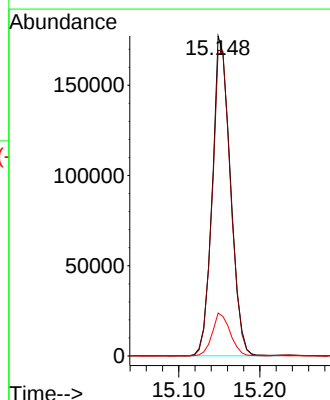
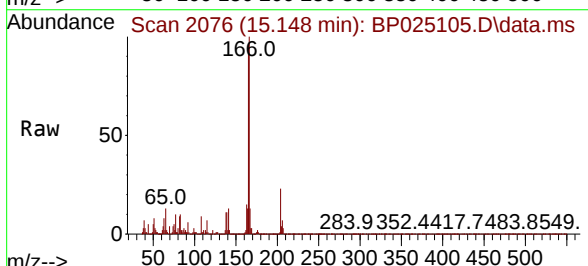
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

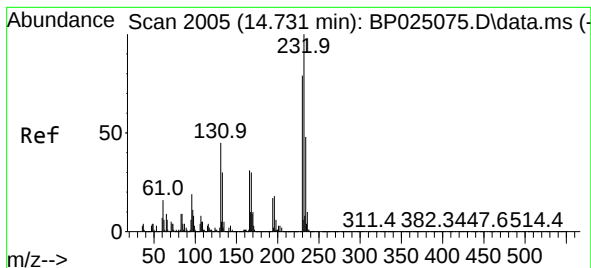
Tgt Ion:	165	Resp:	61028
Ion Ratio	Lower	Upper	
165	100		
63	35.1	31.0	46.4
89	66.4	53.4	80.0
182	3.0	2.0	3.0



#58
Fluorene
Concen: 3.860 ng
RT: 15.148 min Scan# 2076
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:	166	Resp:	274240
Ion Ratio	Lower	Upper	
166	100		
165	95.6	78.6	117.8
167	13.4	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.590 ng

RT: 14.719 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:232 Resp: 66144

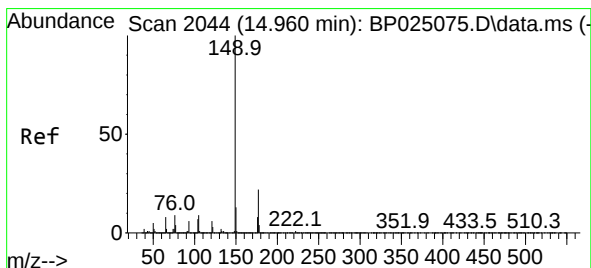
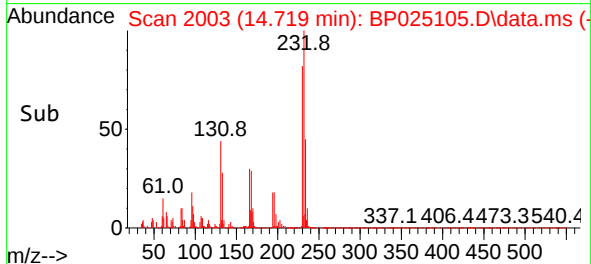
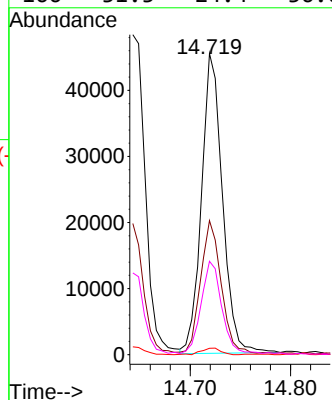
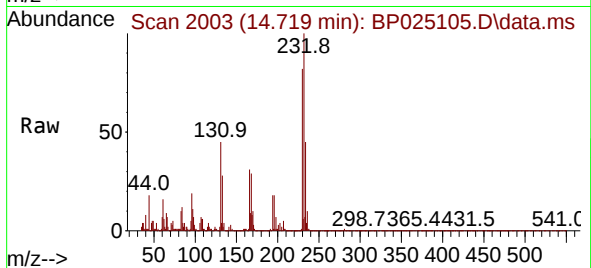
Ion Ratio Lower Upper

232 100

131 43.1 35.7 53.5

130 2.0 1.8 2.6

166 31.3 24.4 36.6



#60

Diethylphthalate

Concen: 3.756 ng

RT: 14.954 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

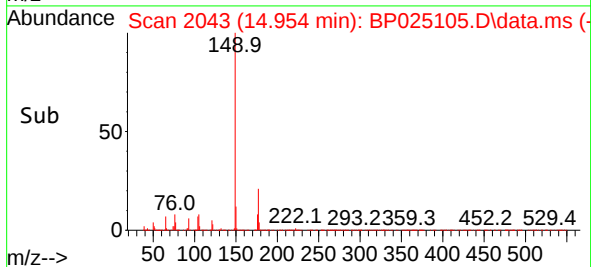
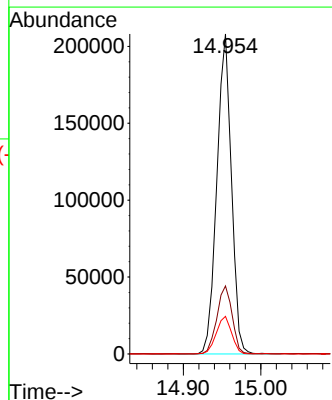
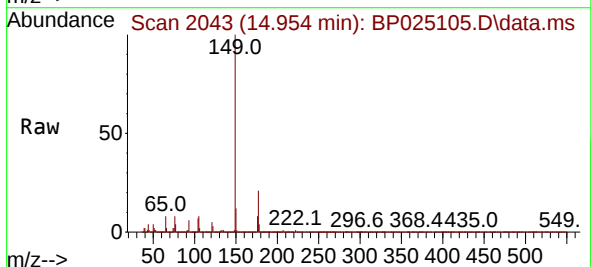
Tgt Ion:149 Resp: 272436

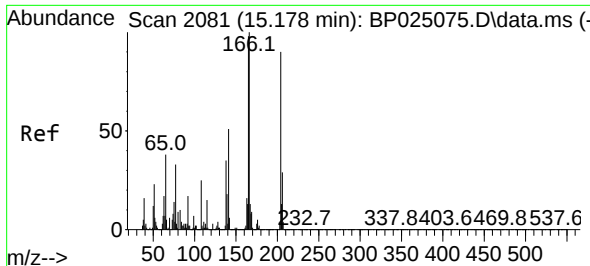
Ion Ratio Lower Upper

149 100

177 21.2 17.8 26.8

150 11.8 10.2 15.2

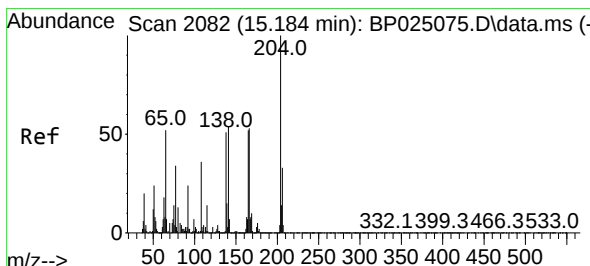
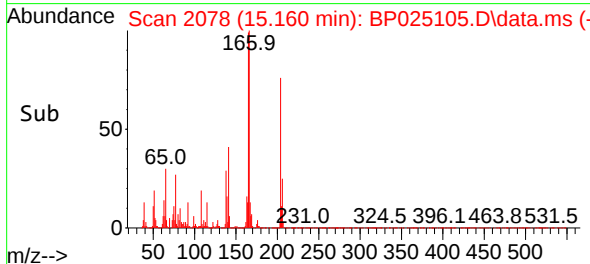
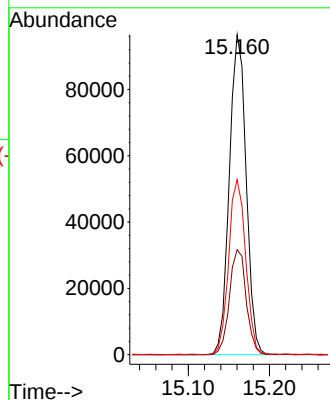
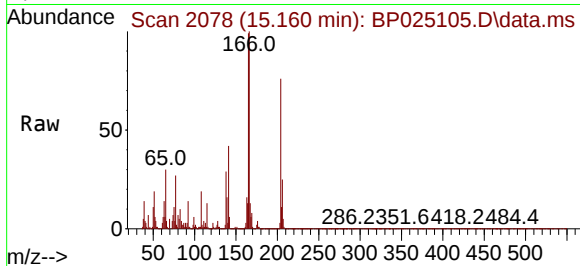




#61
4-Chlorophenyl-phenylether
Concen: 3.952 ng
RT: 15.160 min Scan# 2081
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

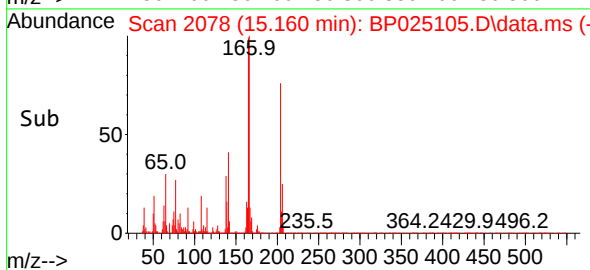
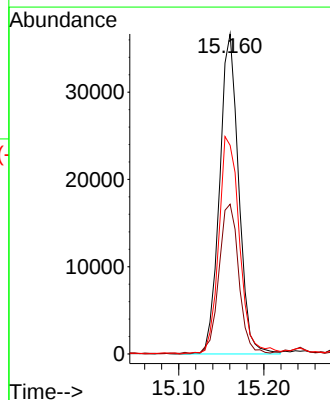
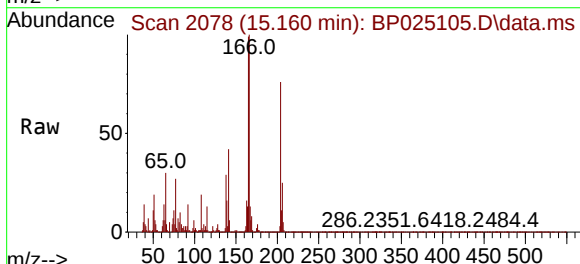
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

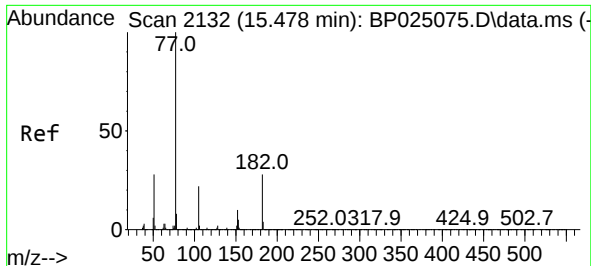
Tgt Ion:204 Resp: 138957
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 54.7 45.1 67.7



#62
4-Nitroaniline
Concen: 3.602 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.023 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:138 Resp: 57009
Ion Ratio Lower Upper
138 100
92 46.8 26.0 66.0
108 65.2 50.0 90.0

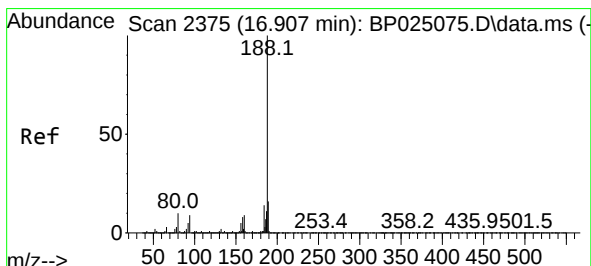
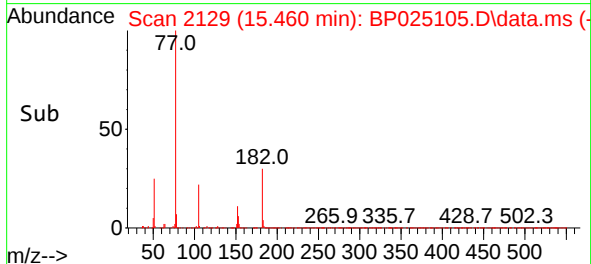
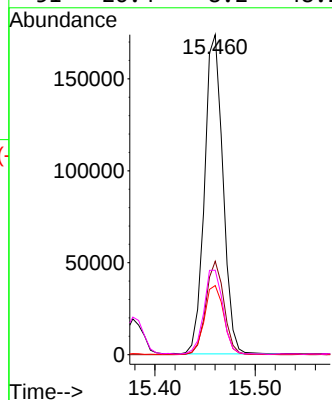
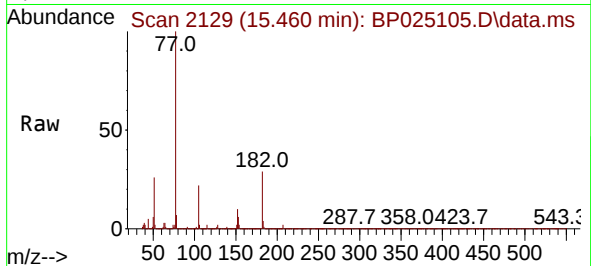




#63
Azobenzene
Concen: 3.440 ng
RT: 15.460 min Scan# 2132
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

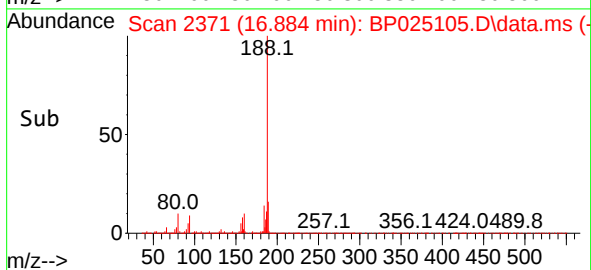
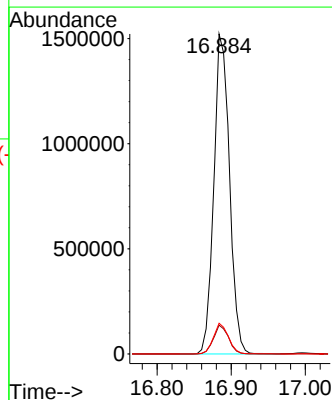
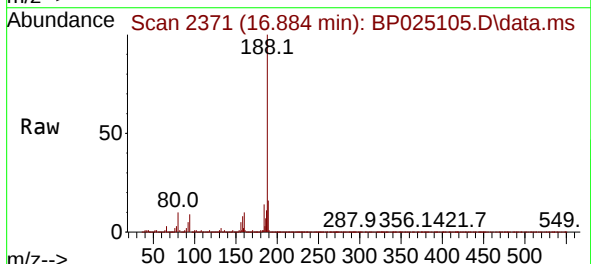
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

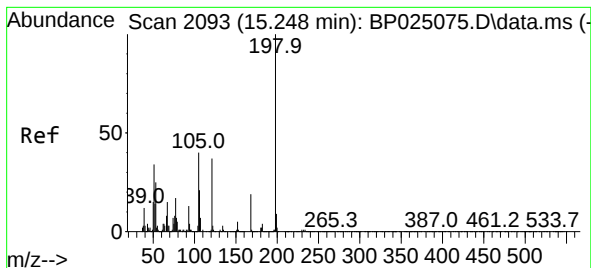
Tgt Ion: 77	Resp: 222227
Ion Ratio	Lower Upper
77 100	
182 29.2	7.7 47.7
105 21.6	1.9 41.9
51 26.4	8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.884 min Scan# 2371
Delta R.T. -0.023 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:188	Resp: 2230284		
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	9.6	7.8	11.6

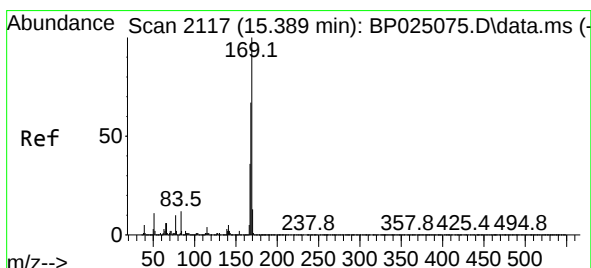
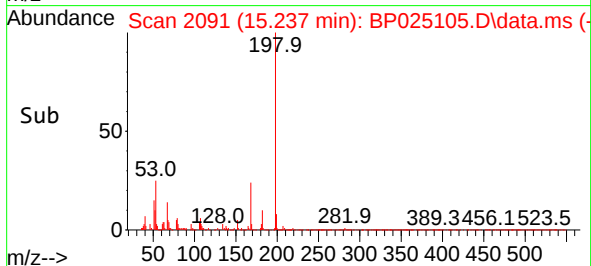
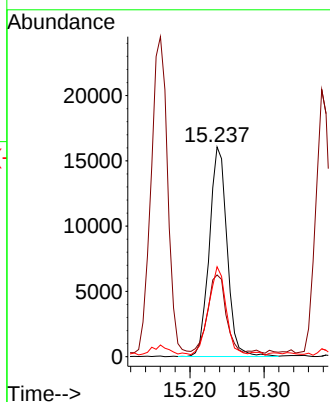
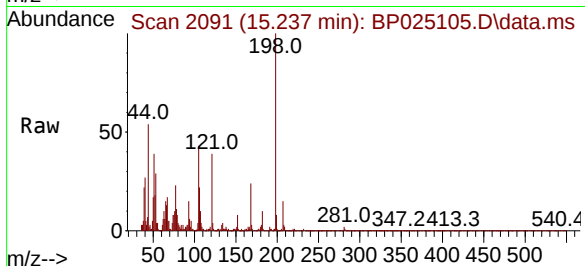




#65
4,6-Dinitro-2-methylphenol
Concen: 7.897 ng
RT: 15.237 min Scan# 2091
Delta R.T. -0.011 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

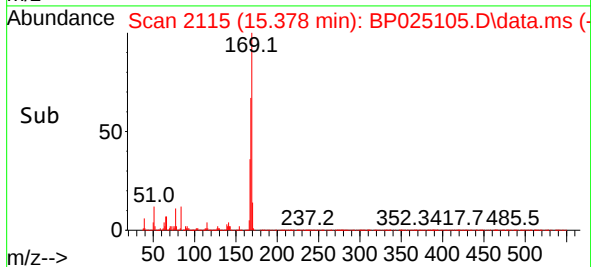
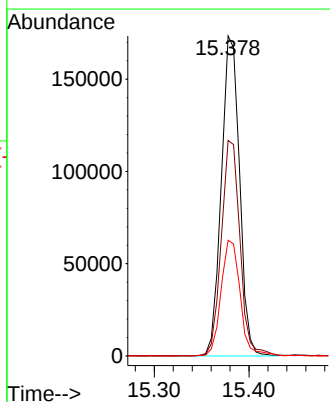
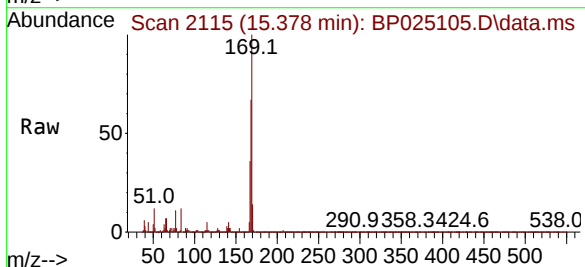
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

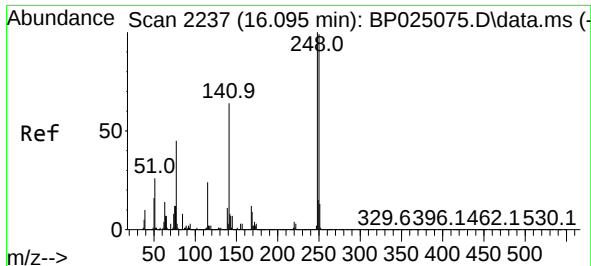
Tgt Ion:198 Resp: 26621
Ion Ratio Lower Upper
198 100
51 39.0 16.8 56.8
105 42.8 20.8 60.8



#66
n-Nitrosodiphenylamine
Concen: 3.630 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:169 Resp: 231687
Ion Ratio Lower Upper
169 100
168 67.4 54.1 81.1
167 36.2 29.0 43.6

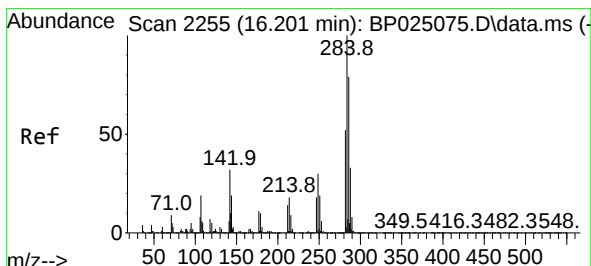
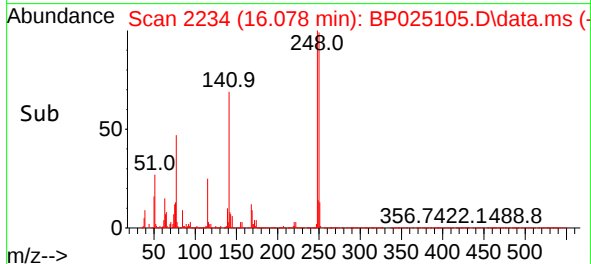
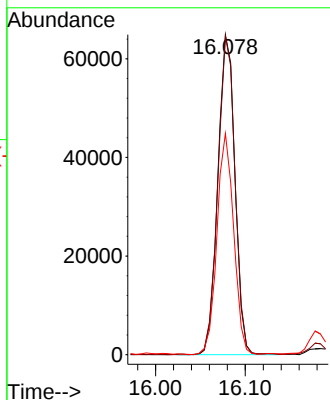
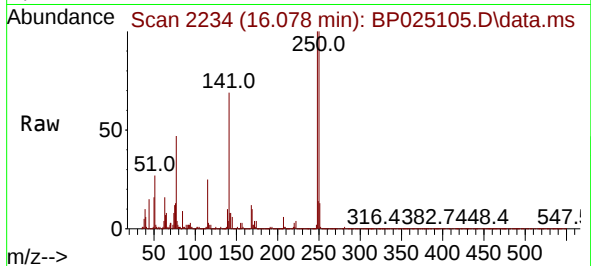




#67
4-Bromophenyl-phenylether
Concen: 3.755 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

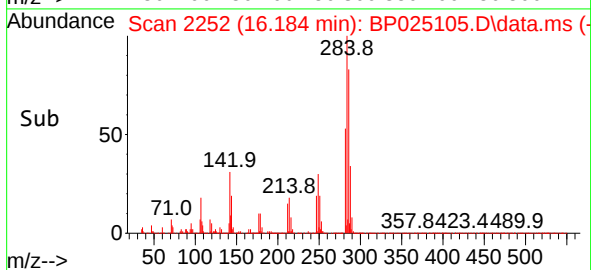
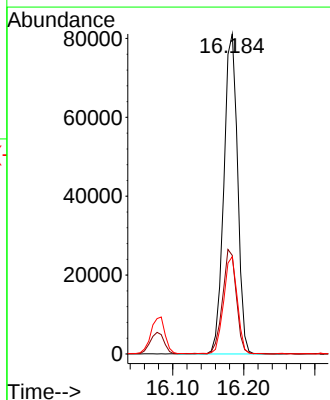
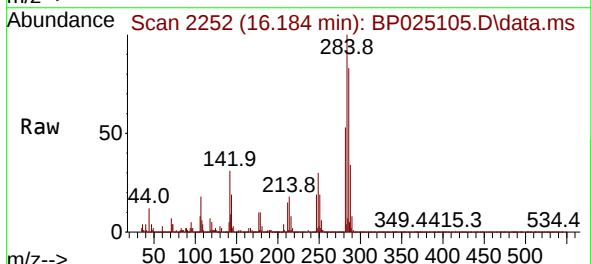
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

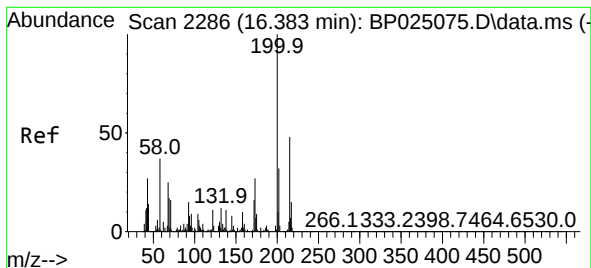
Tgt Ion:248 Resp: 85754
Ion Ratio Lower Upper
248 100
250 99.5 79.4 119.2
141 69.2 51.4 77.0



#68
Hexachlorobenzene
Concen: 3.872 ng
RT: 16.184 min Scan# 2252
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:284 Resp: 108076
Ion Ratio Lower Upper
284 100
142 30.8 25.9 38.9
249 30.4 23.8 35.8





#69

Atrazine

Concen: 4.507 ng

RT: 16.372 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

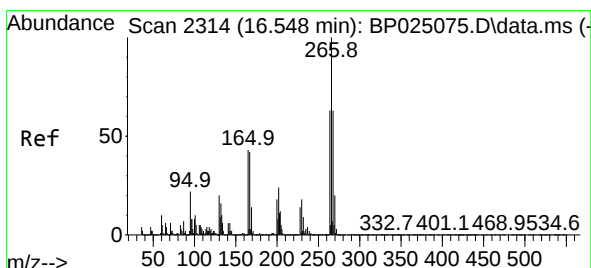
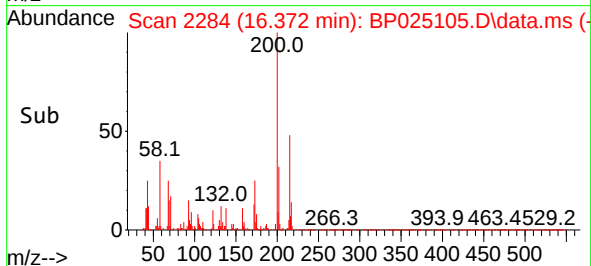
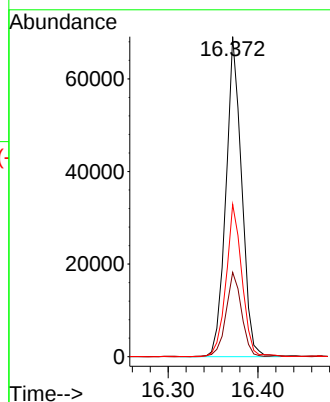
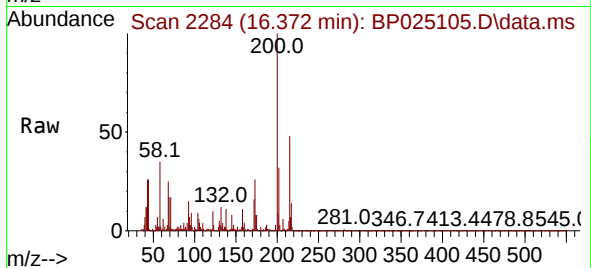
Tgt Ion:200 Resp: 84305

Ion Ratio Lower Upper

200 100

173 26.3 6.6 46.6

215 47.6 28.0 68.0



#70

Pentachlorophenol

Concen: 2.885 ng

RT: 16.543 min Scan# 2313

Delta R.T. -0.006 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

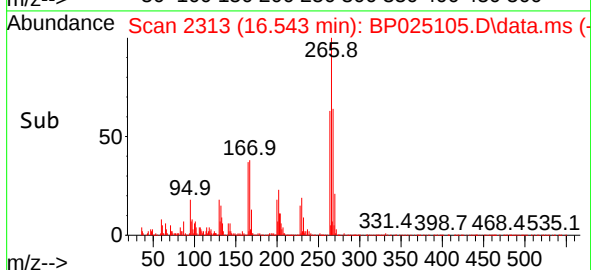
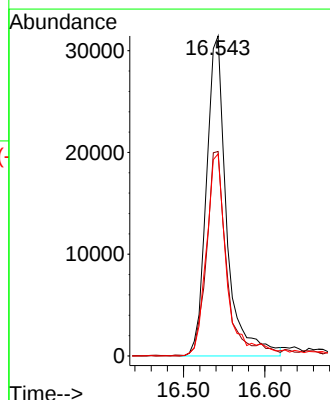
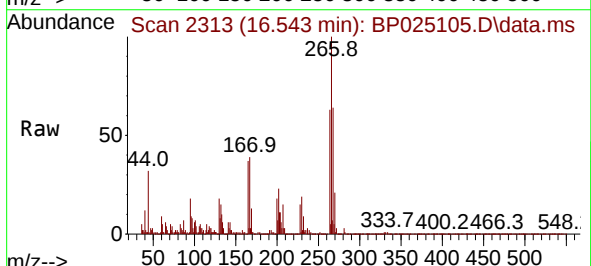
Tgt Ion:266 Resp: 54387

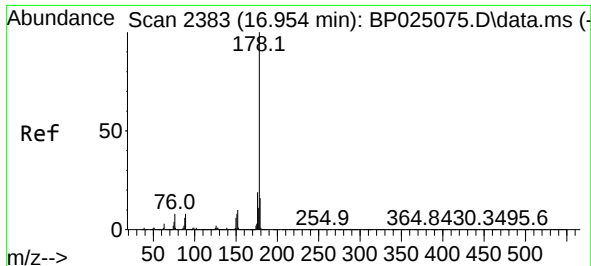
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 63.1 50.2 75.2

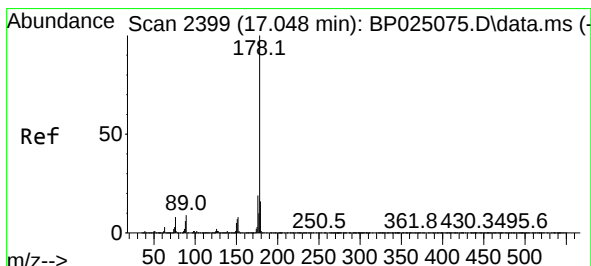
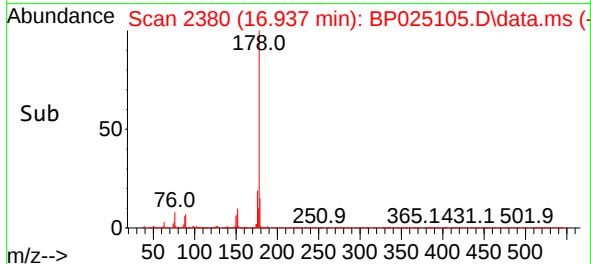
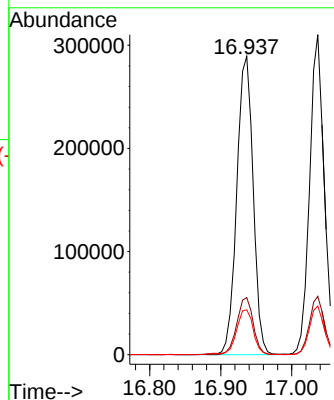
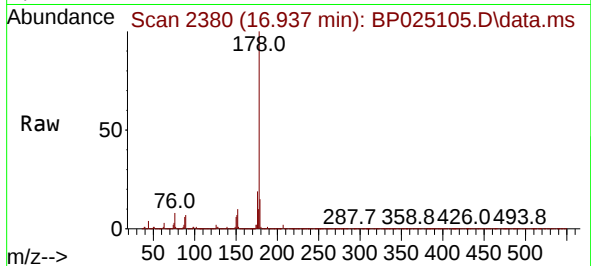




#71
Phenanthrene
Concen: 3.896 ng
RT: 16.937 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

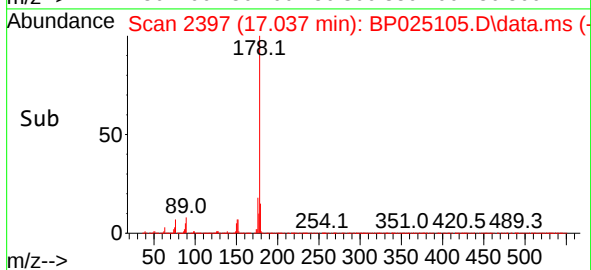
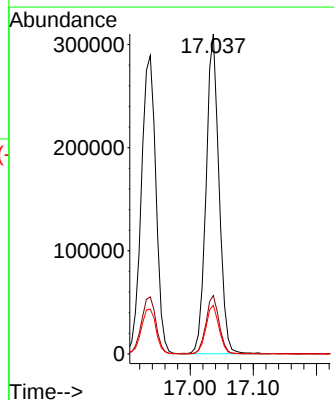
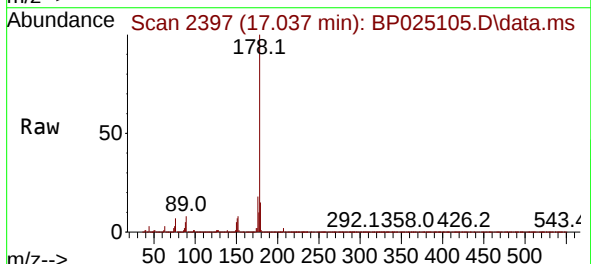
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

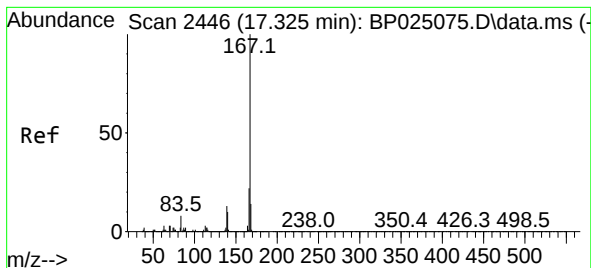
Tgt Ion:178 Resp: 464272
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.0 12.6 19.0



#72
Anthracene
Concen: 3.858 ng
RT: 17.037 min Scan# 2397
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:178 Resp: 441066
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.2 12.5 18.7





#73

Carbazole

Concen: 3.792 ng

RT: 17.313 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

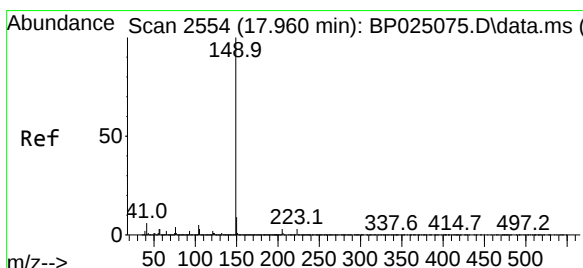
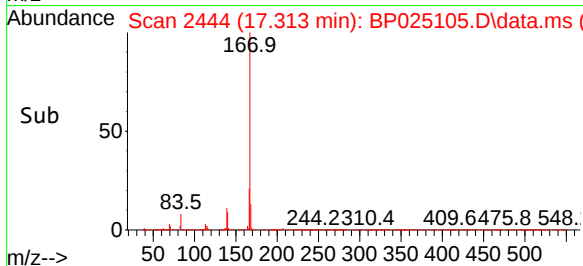
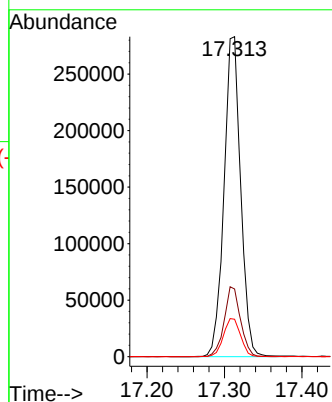
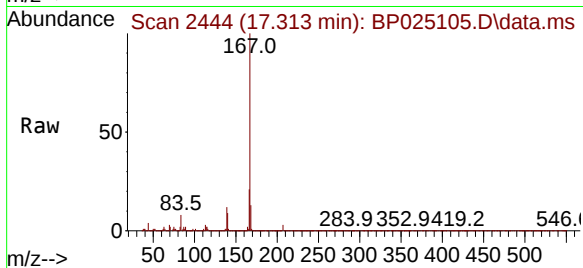
Tgt Ion:167 Resp: 423891

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.0

139 11.7 10.4 15.6



#74

Di-n-butylphthalate

Concen: 3.581 ng

RT: 17.948 min Scan# 2552

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

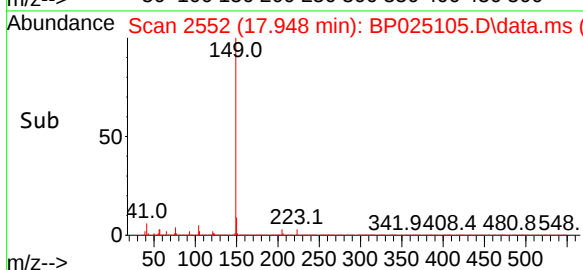
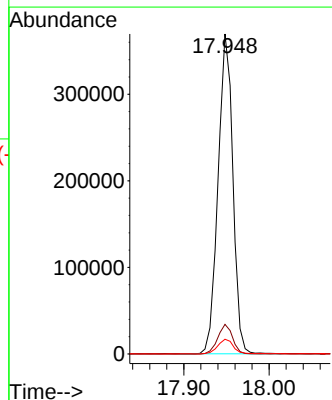
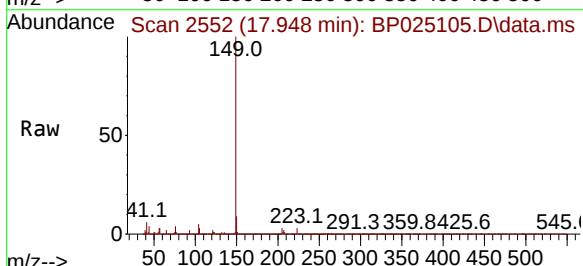
Tgt Ion:149 Resp: 445794

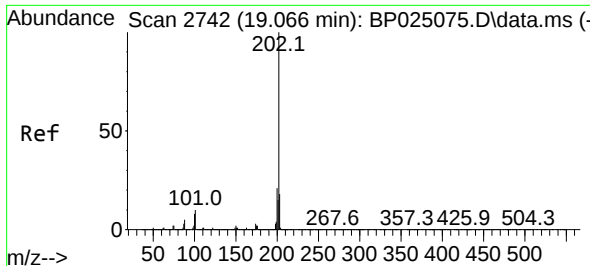
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 4.6 3.8 5.6

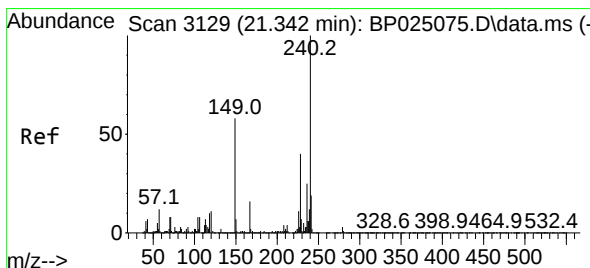
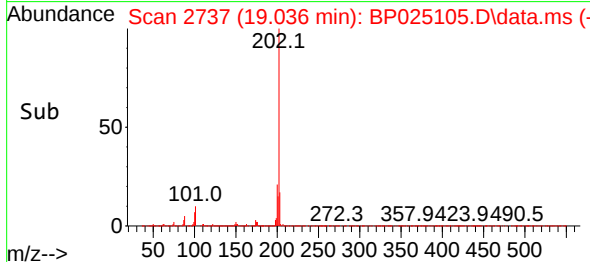
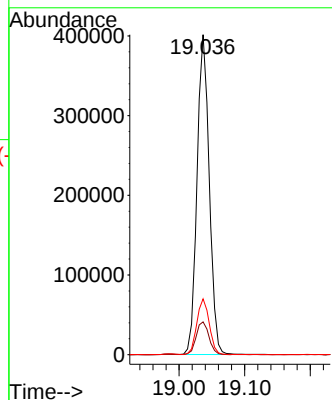
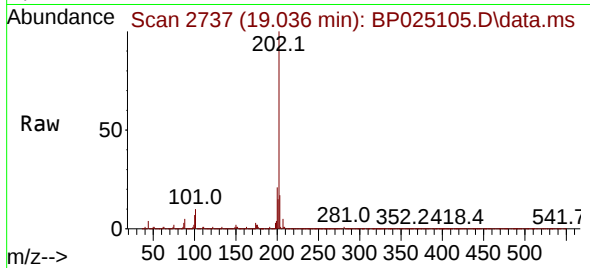




#75
Fluoranthene
Concen: 3.735 ng
RT: 19.036 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

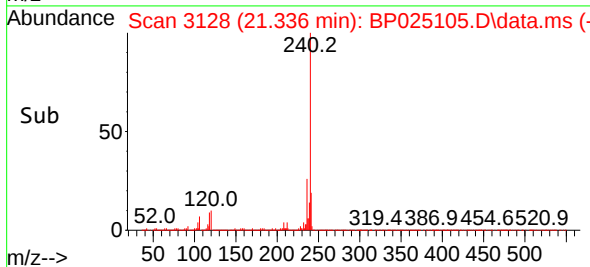
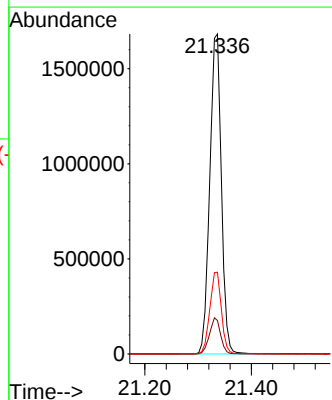
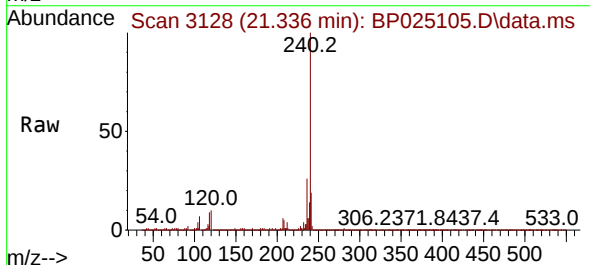
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

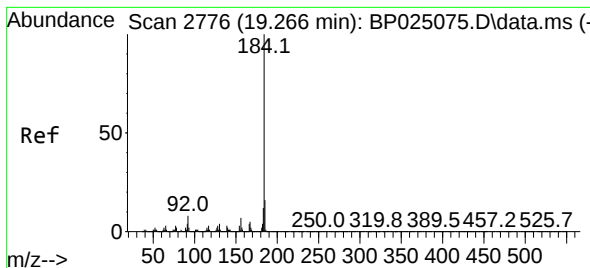
Tgt Ion:202 Resp: 520319
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.4
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.336 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:240 Resp: 2547256
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 25.6 20.3 30.5





#77

Benzidine

Concen: 5.013 ng

RT: 19.254 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

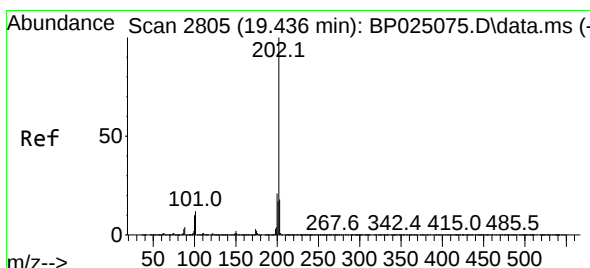
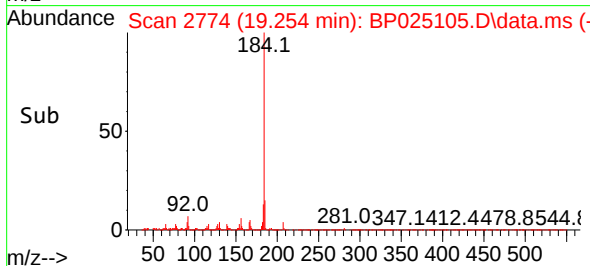
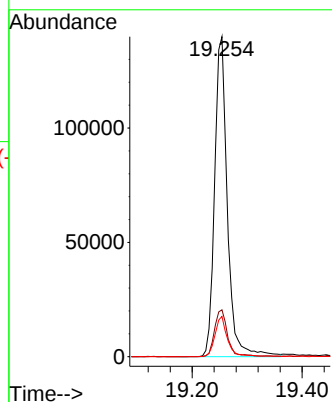
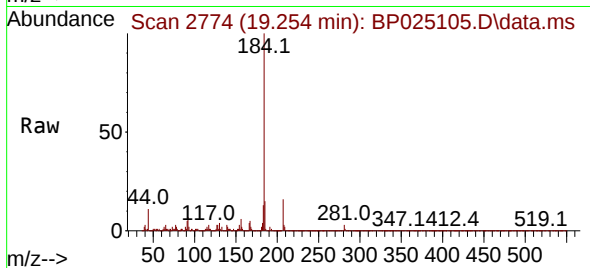
Tgt Ion:184 Resp: 225522

Ion Ratio Lower Upper

184 100

185 14.7 12.6 18.8

183 12.6 9.4 14.2



#78

Pyrene

Concen: 3.602 ng

RT: 19.413 min Scan# 2801

Delta R.T. -0.023 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

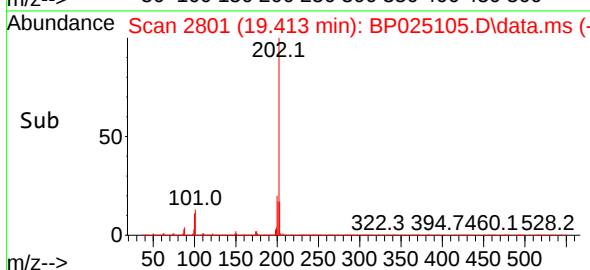
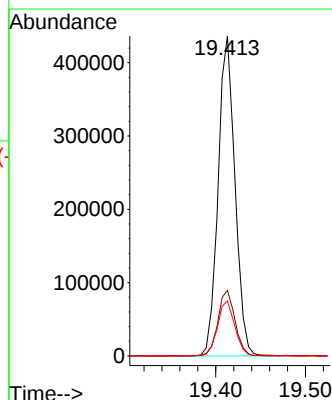
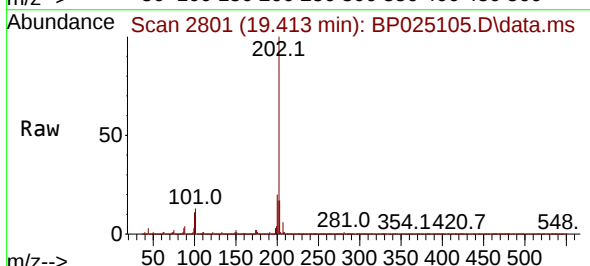
Tgt Ion:202 Resp: 568323

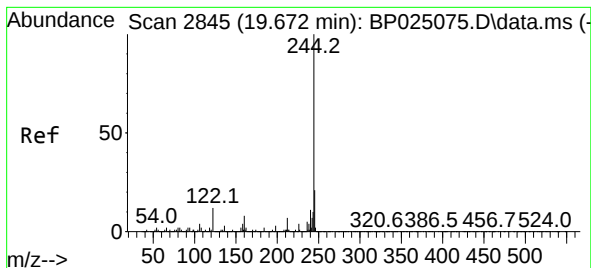
Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 89.688 ng

RT: 19.672 min Scan# 2845

Delta R.T. 0.000 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

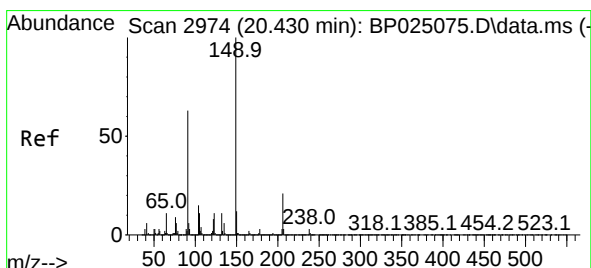
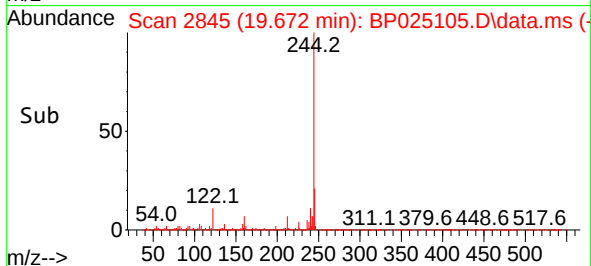
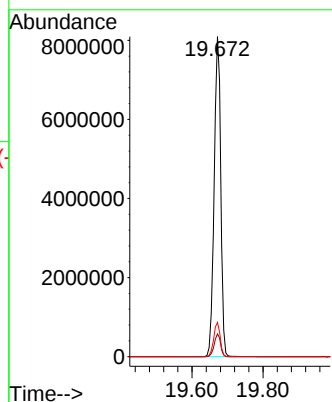
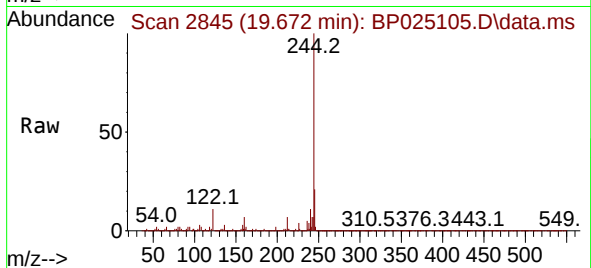
Tgt Ion:244 Resp:10394924

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.7 9.4 14.2



#80

Butylbenzylphthalate

Concen: 6.546 ng

RT: 20.425 min Scan# 2973

Delta R.T. -0.005 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

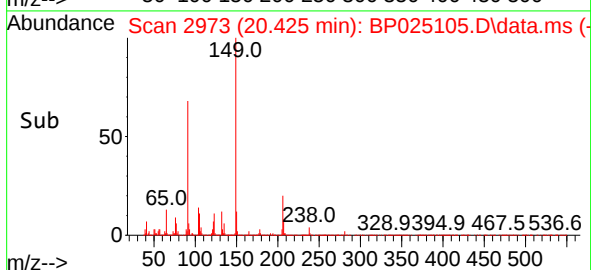
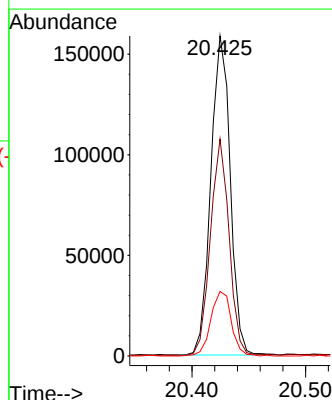
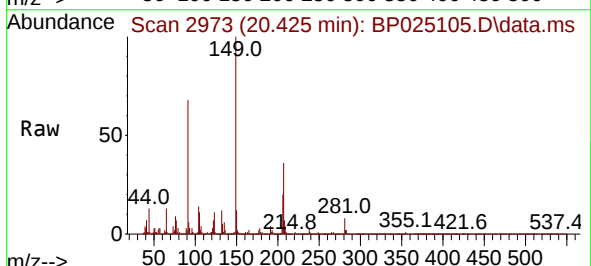
Tgt Ion:149 Resp: 188555

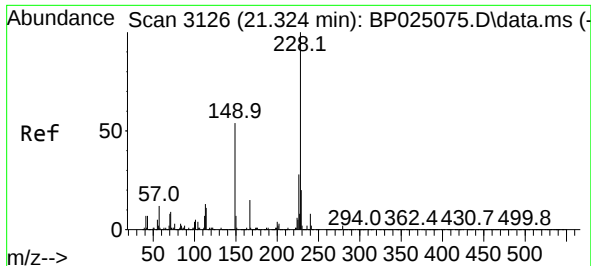
Ion Ratio Lower Upper

149 100

91 67.8 50.6 76.0

206 20.2 17.2 25.8

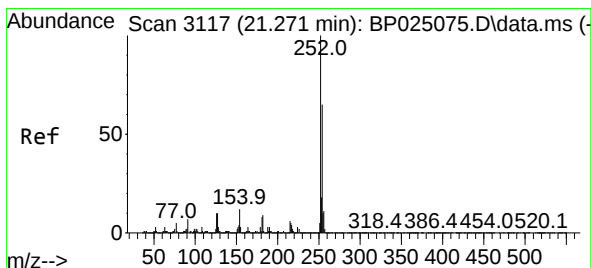
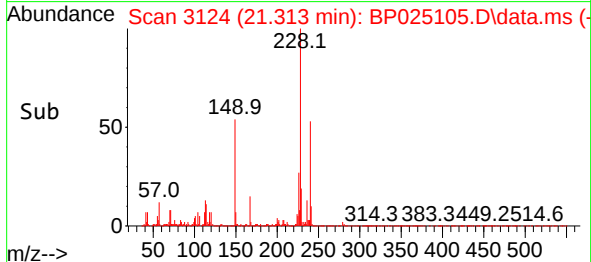
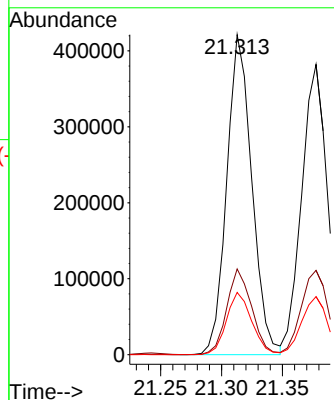
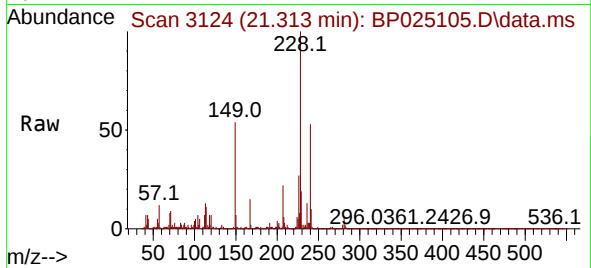




#81
Benzo(a)anthracene
Concen: 3.921 ng
RT: 21.313 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

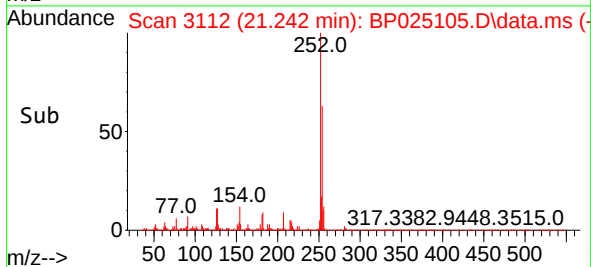
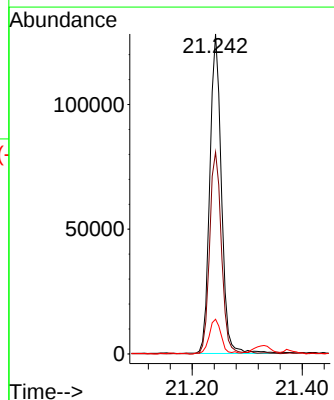
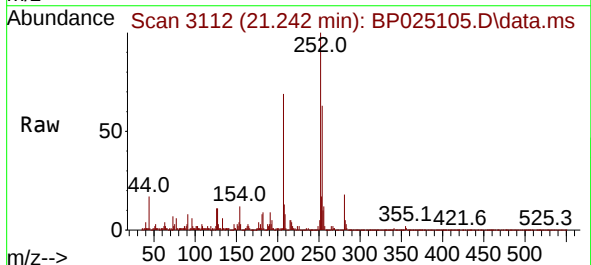
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

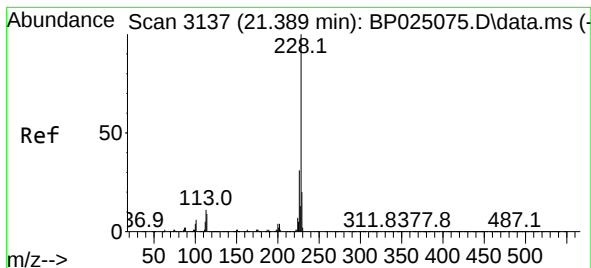
Tgt Ion:228 Resp: 605293
Ion Ratio Lower Upper
228 100
226 26.8 22.1 33.1
229 19.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 4.028 ng
RT: 21.242 min Scan# 3112
Delta R.T. -0.029 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:252 Resp: 187172
Ion Ratio Lower Upper
252 100
254 63.0 51.9 77.9
126 10.9 8.1 12.1





#83

Chrysene

Concen: 3.794 ng

RT: 21.378 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

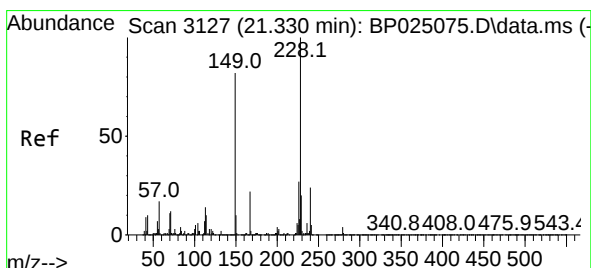
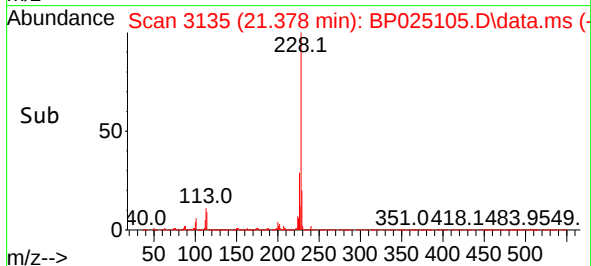
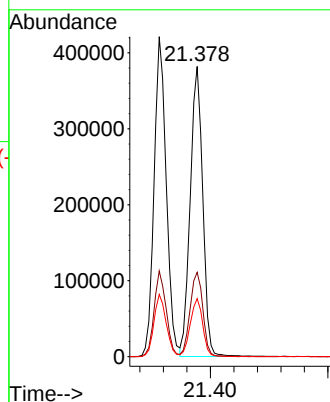
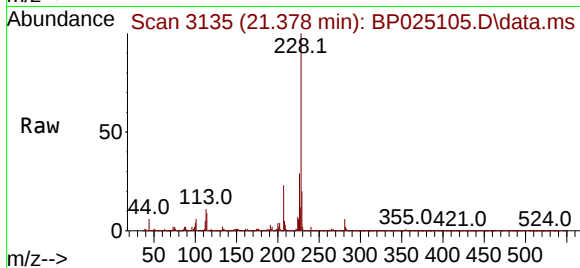
Tgt Ion:228 Resp: 563598

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

229 20.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.608 ng

RT: 21.313 min Scan# 3124

Delta R.T. -0.017 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

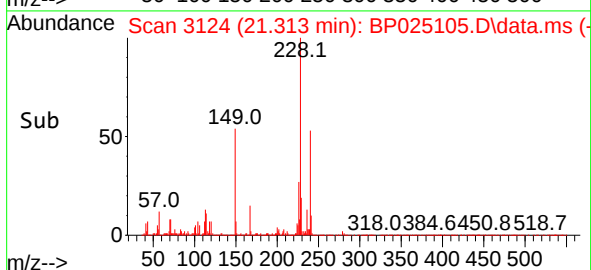
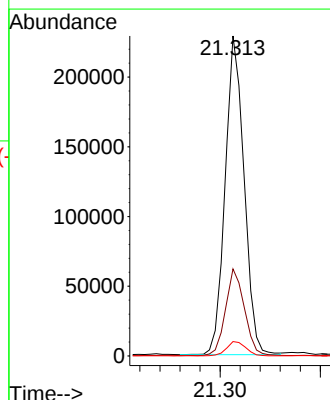
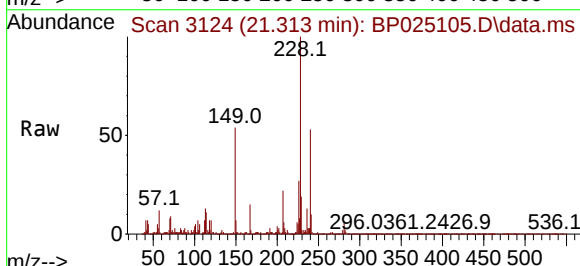
Tgt Ion:149 Resp: 298765

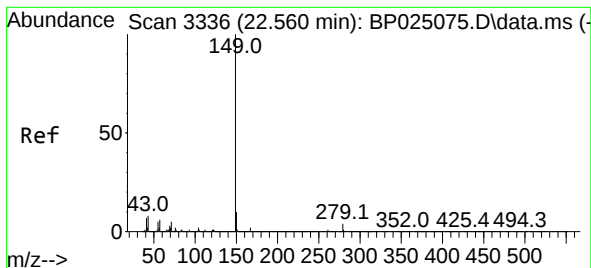
Ion Ratio Lower Upper

149 100

167 27.2 21.9 32.9

279 4.5 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 8.753 ng

RT: 22.530 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

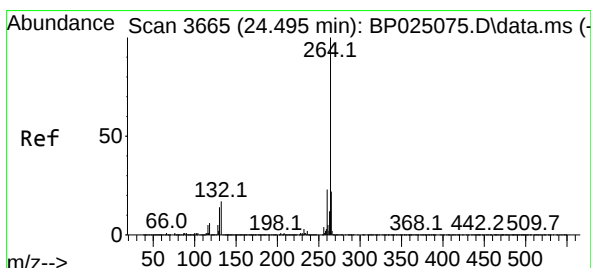
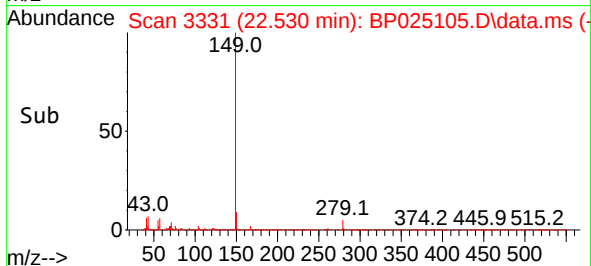
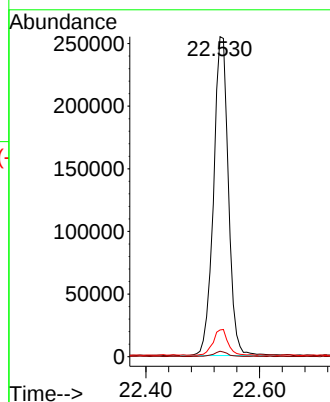
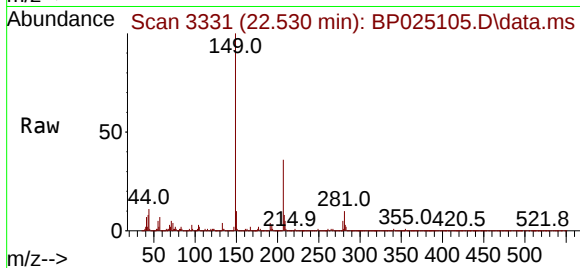
Tgt Ion:149 Resp: 461670

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.471 min Scan# 3661

Delta R.T. -0.023 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

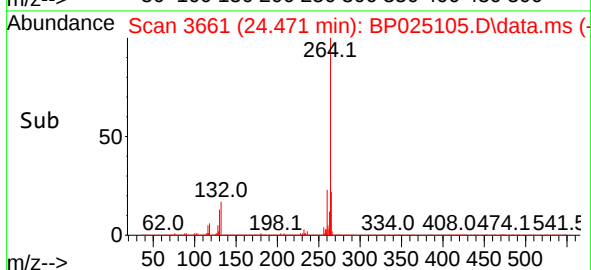
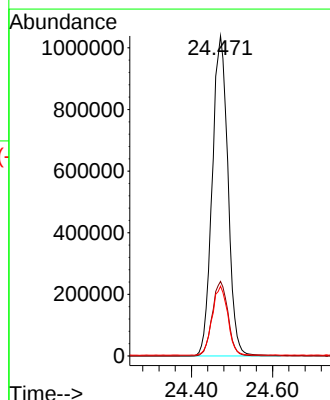
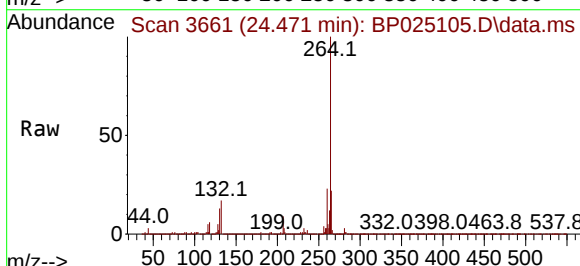
Tgt Ion:264 Resp: 2783094

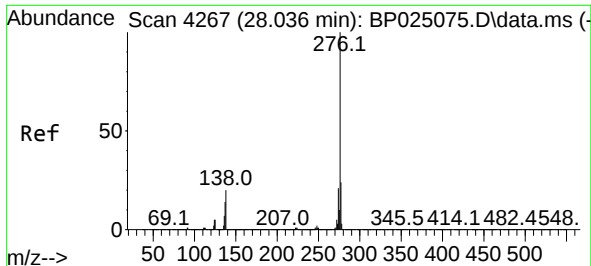
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.8 17.7 26.5

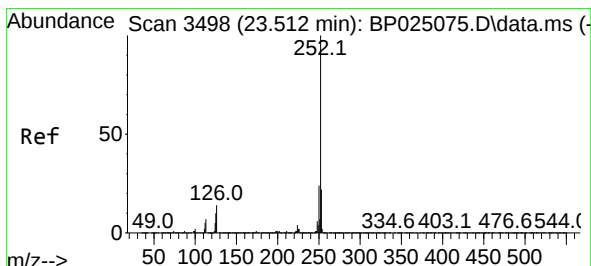
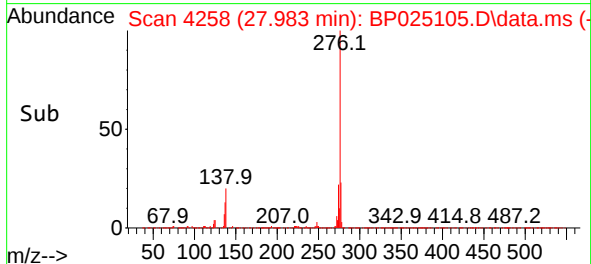
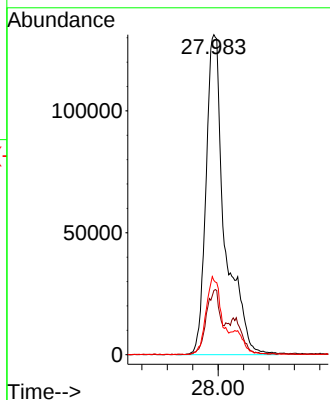
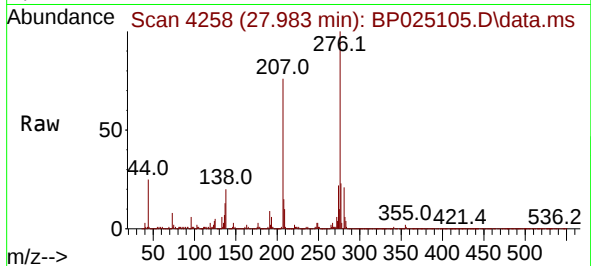




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.817 ng
 RT: 27.983 min Scan# 41
 Delta R.T. -0.053 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

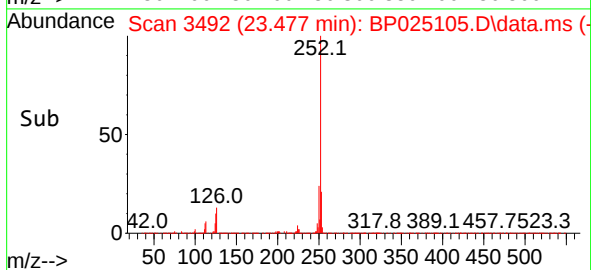
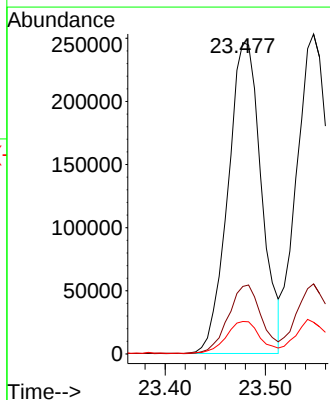
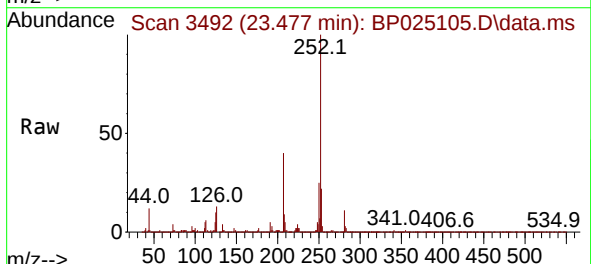
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

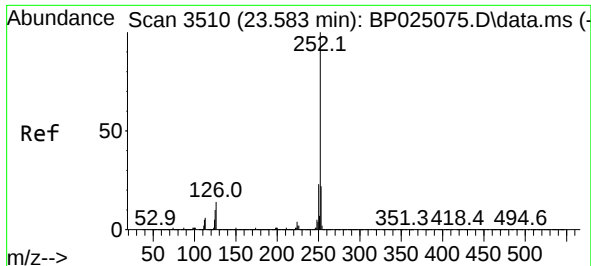
Tgt Ion:276 Resp: 676669
 Ion Ratio Lower Upper
 276 100
 138 15.4 13.0 19.6
 277 19.7 15.9 23.9



#88
 Benzo(b)fluoranthene
 Concen: 3.537 ng
 RT: 23.477 min Scan# 3492
 Delta R.T. -0.035 min
 Lab File: BP025105.D
 Acq: 11 Jul 2025 15:42

Tgt Ion:252 Resp: 572930
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.7 26.5
 125 10.4 8.1 12.1

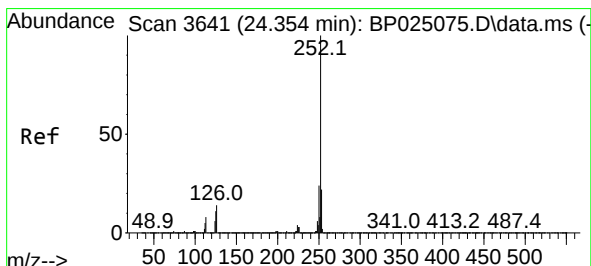
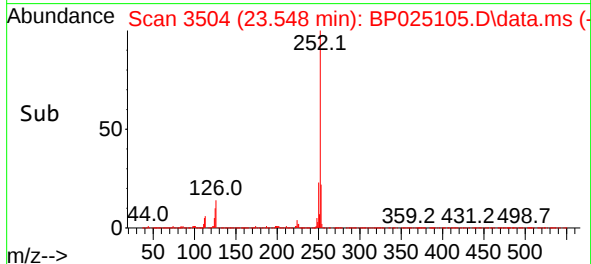
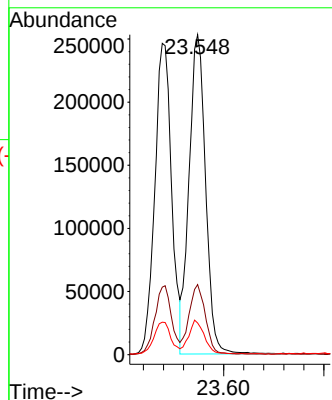
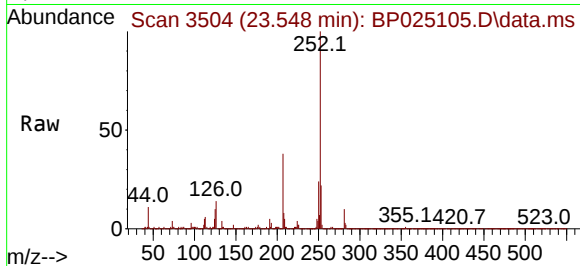




#89
Benzo(k)fluoranthene
Concen: 3.581 ng
RT: 23.548 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

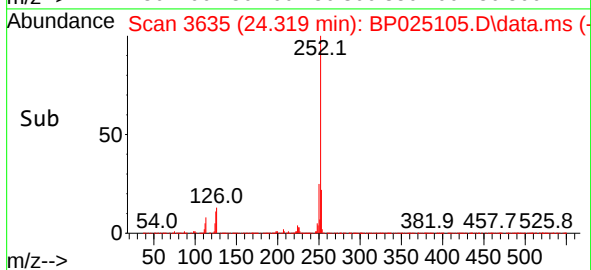
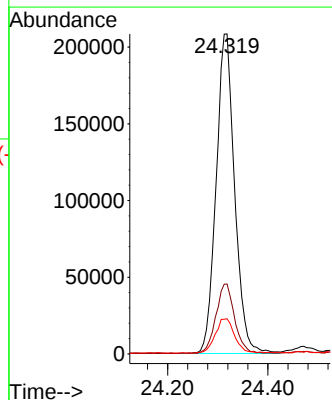
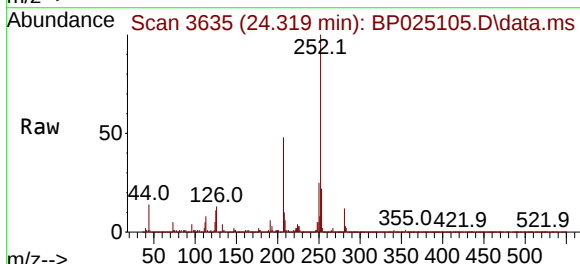
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

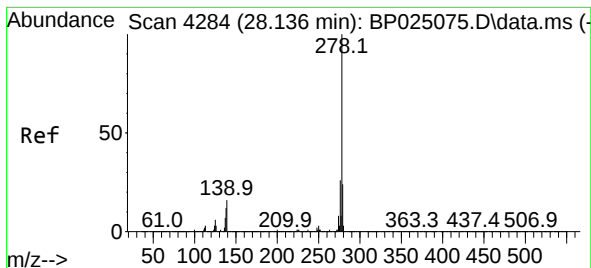
Tgt Ion:252 Resp: 577219
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 9.9 8.2 12.2



#90
Benzo(a)pyrene
Concen: 3.882 ng
RT: 24.319 min Scan# 3635
Delta R.T. -0.035 min
Lab File: BP025105.D
Acq: 11 Jul 2025 15:42

Tgt Ion:252 Resp: 535204
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 11.0 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.719 ng

RT: 28.077 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

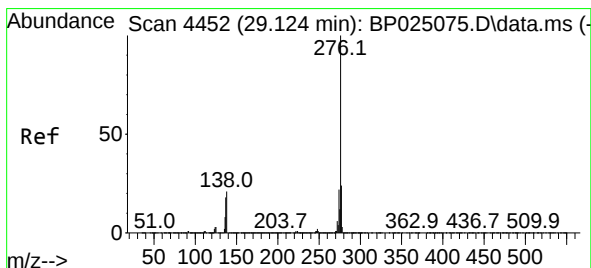
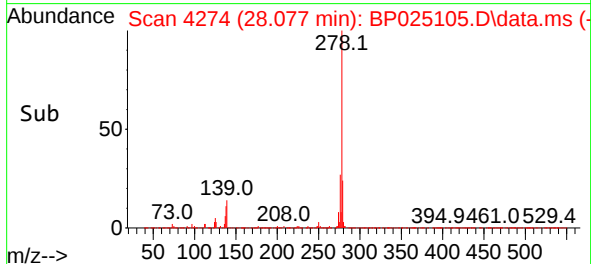
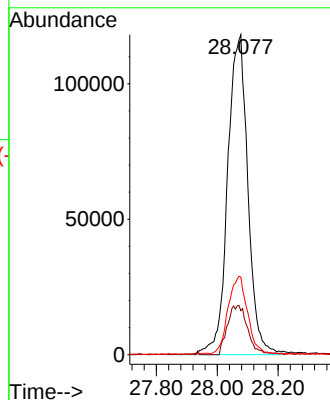
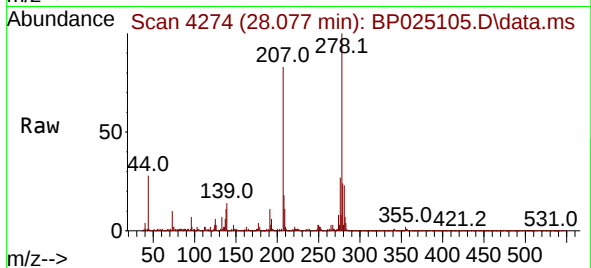
Tgt Ion:278 Resp: 545046

Ion Ratio Lower Upper

278 100

139 13.7 13.1 19.7

279 24.2 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.612 ng

RT: 29.059 min Scan# 4441

Delta R.T. -0.064 min

Lab File: BP025105.D

Acq: 11 Jul 2025 15:42

Tgt Ion:276 Resp: 546807

Ion Ratio Lower Upper

276 100

277 23.5 19.3 28.9

138 21.5 16.9 25.3

