

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090425\
 Data File : BP025664.D
 Acq On : 04 Sep 2025 17:33
 Operator : CG/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 05 01:09:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	141162	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	565628	20.000	ng	-0.02
39) Acenaphthene-d10	14.390	164	388468	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	781005	20.000	ng	-0.01
76) Chrysene-d12	21.654	240	842715	20.000	ng	0.00
86) Perylene-d12	25.036	264	946093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	975875	114.807	ng	-0.01
7) Phenol-d6	6.955	99	1240653	113.843	ng	-0.01
23) Nitrobenzene-d5	8.907	82	870829	77.880	ng	-0.03
42) 2,4,6-Tribromophenol	15.907	330	633519	121.159	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2065488	72.667	ng	-0.02
79) Terphenyl-d14	19.919	244	3452329	74.952	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	25151	7.554	ng	92
3) Pyridine	3.725	79	63031	6.917	ng	93
4) n-Nitrosodimethylamine	3.625	42	28265	7.523	ng	# 84
6) Aniline	7.102	93	103391	7.041	ng	97
8) 2-Chlorophenol	7.343	128	70839	7.385	ng	97
9) Benzaldehyde	6.919	77	60531	7.928	ng	91
10) Phenol	6.978	94	81582	7.134	ng	86
11) bis(2-Chloroethyl)ether	7.196	93	62009	6.957	ng	97
12) 1,3-Dichlorobenzene	7.660	146	77359	7.314	ng	98
13) 1,4-Dichlorobenzene	7.802	146	77487	7.168	ng	97
14) 1,2-Dichlorobenzene	8.119	146	75834	7.247	ng	96
15) Benzyl Alcohol	8.008	79	57008	6.584	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.284	45	90530	7.582	ng	97
17) 2-Methylphenol	8.213	107	52758	6.643	ng	98
18) Hexachloroethane	8.837	117	29453	7.410	ng	93
19) n-Nitroso-di-n-propyla...	8.560	70	51847	7.182	ng	93
20) 3+4-Methylphenols	8.543	107	71278	6.475	ng	99
22) Acetophenone	8.578	105	108303	7.635	ng	# 93
24) Nitrobenzene	8.949	77	80942	8.100	ng	96
25) Isophorone	9.478	82	148195	7.489	ng	96
26) 2-Nitrophenol	9.660	139	34557	6.738	ng	91
27) 2,4-Dimethylphenol	9.731	122	60804	6.894	ng	97
28) bis(2-Chloroethoxy)met...	9.949	93	84752	7.085	ng	97
29) 2,4-Dichlorophenol	10.213	162	57720	6.588	ng	98
30) 1,2,4-Trichlorobenzene	10.407	180	69239	7.209	ng	97
31) Naphthalene	10.584	128	214694	7.303	ng	99
32) Benzoic acid	9.843	122	19991	3.070	ng	94
33) 4-Chloroaniline	10.701	127	82416	6.346	ng	96
34) Hexachlorobutadiene	10.872	225	45184	7.554	ng	94
35) Caprolactam	11.478	113	19308	6.010	ng	# 86
36) 4-Chloro-3-methylphenol	11.837	107	73462	7.307	ng	92
37) 2-Methylnaphthalene	12.190	142	137355	7.179	ng	98
38) 1-Methylnaphthalene	12.419	142	147490	7.249	ng	99
40) 1,2,4,5-Tetrachloroben...	12.566	216	81752	7.287	ng	99
41) Hexachlorocyclopentadiene	12.543	237	26132	3.856	ng	98
43) 2,4,6-Trichlorophenol	12.901	196	54572	7.205	ng	97

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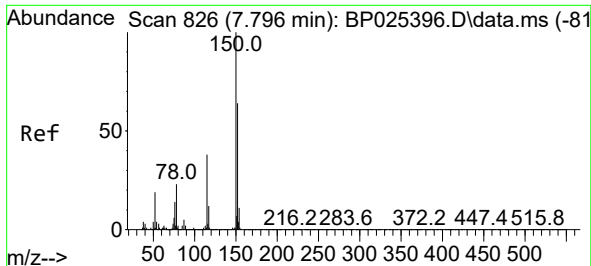
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	54572	6.574	ng	98
46) 1,1'-Biphenyl	13.207	154	207051	7.339	ng	99
47) 2-Chloronaphthalene	13.248	162	154457	7.032	ng	99
48) 2-Nitroaniline	13.466	65	44023	6.879	ng	93
49) Acenaphthylene	14.113	152	258301	7.107	ng	99
50) Dimethylphthalate	13.842	163	206210	7.249	ng	100
51) 2,6-Dinitrotoluene	13.954	165	41955	6.997	ng	90
52) Acenaphthene	14.460	154	150677	7.063	ng	99
53) 3-Nitroaniline	14.301	138	42136	6.246	ng	88
54) 2,4-Dinitrophenol	14.531	184	13265	4.143	ng	90
55) Dibenzofuran	14.795	168	243784	7.228	ng	96
56) 4-Nitrophenol	14.678	139	14058	2.536	ng	87
57) 2,4-Dinitrotoluene	14.766	165	58953	6.891	ng	# 93
58) Fluorene	15.460	166	200705	7.542	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	50332	6.867	ng	96
60) Diethylphthalate	15.231	149	211977	7.334	ng	98
61) 4-Chlorophenyl-phenyle...	15.442	204	99319	7.504	ng	96
62) 4-Nitroaniline	15.489	138	38925	5.629	ng	94
63) Azobenzene	15.742	77	185580	7.498	ng	96
65) 4,6-Dinitro-2-methylph...	15.554	198	26793	5.503	ng	83
66) n-Nitrosodiphenylamine	15.666	169	171932	7.219	ng	98
67) 4-Bromophenyl-phenylether	16.366	248	61395	7.148	ng	97
68) Hexachlorobenzene	16.478	284	74051	7.437	ng	95
69) Atrazine	16.648	200	61986	6.950	ng	96
70) Pentachlorophenol	16.848	266	38054	6.054	ng	93
71) Phenanthrene	17.236	178	318846	7.432	ng	100
72) Anthracene	17.336	178	311476	7.109	ng	99
73) Carbazole	17.619	167	284968	6.905	ng	98
74) Di-n-butylphthalate	18.201	149	359478	7.080	ng	100
75) Fluoranthene	19.330	202	367202	7.175	ng	99
77) Benzidine	19.530	184	185545	6.451	ng	100
78) Pyrene	19.707	202	382859	6.990	ng	99
80) Butylbenzylphthalate	20.654	149	163499	6.586	ng	99
81) Benzo(a)anthracene	21.630	228	395063	7.108	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	135050	6.447	ng	100
83) Chrysene	21.701	228	378516	7.272	ng	98
84) Bis(2-ethylhexyl)phtha...	21.560	149	247452	6.772	ng	99
85) Di-n-octyl phthalate	22.854	149	420927	6.697	ng	96
87) Indeno(1,2,3-cd)pyrene	28.865	276	471982	6.803	ng	# 93
88) Benzo(b)fluoranthene	23.960	252	395388	7.087	ng	99
89) Benzo(k)fluoranthene	24.024	252	396182	7.097	ng	98
90) Benzo(a)pyrene	24.860	252	368835	6.792	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	379533	6.694	ng	97
92) Benzo(g,h,i)perylene	30.048	276	372799	6.689	ng	99

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

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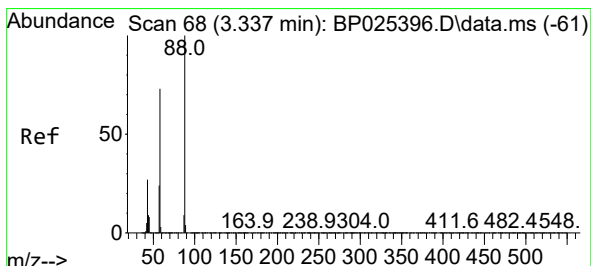
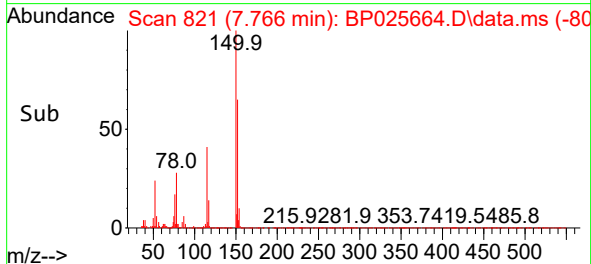
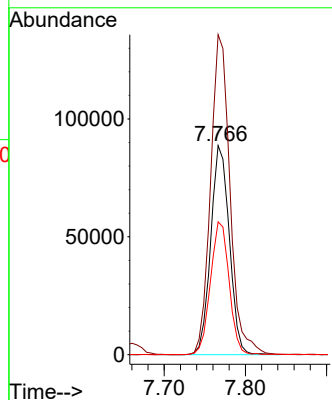
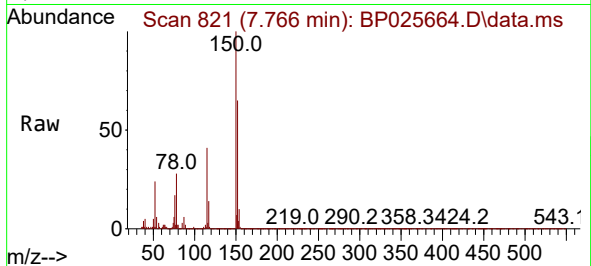
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

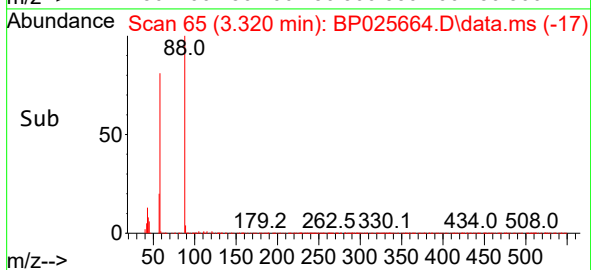
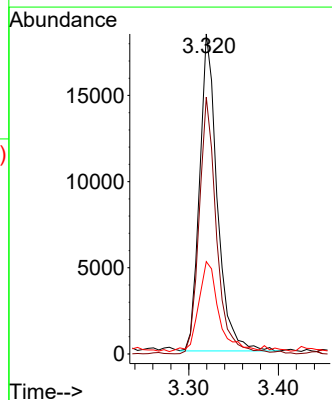
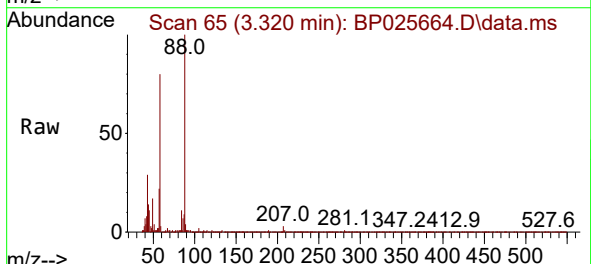
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

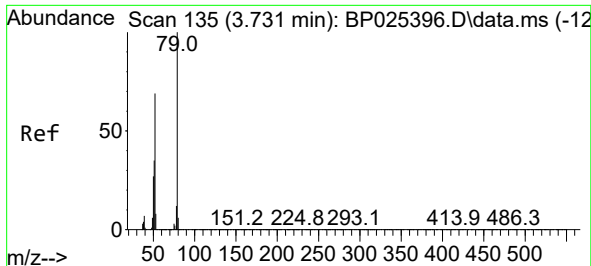
Tgt Ion:152 Resp: 141162
Ion Ratio Lower Upper
152 100
150 153.1 125.9 188.9
115 63.5 48.5 72.7



#2
1,4-Dioxane
Concen: 7.554 ng
RT: 3.320 min Scan# 65
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 88 Resp: 25151
Ion Ratio Lower Upper
88 100
58 79.7 59.2 88.8
43 32.2 21.7 32.5

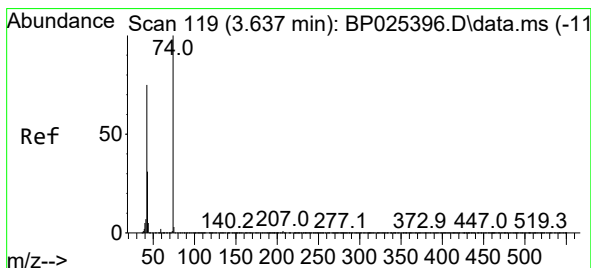
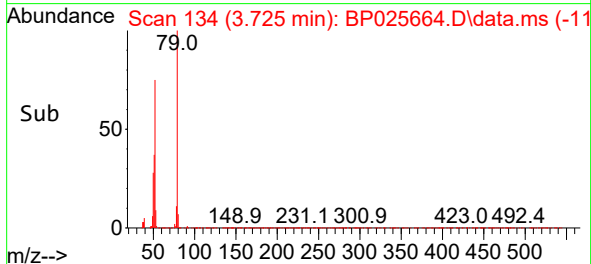
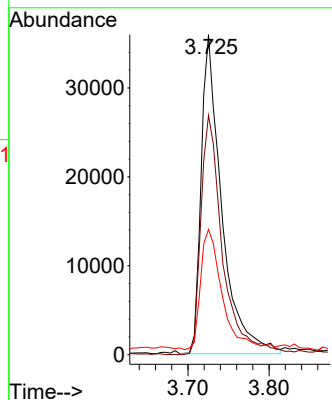
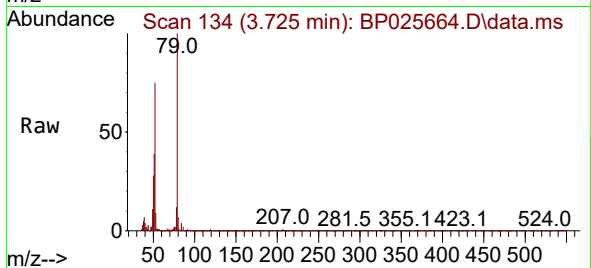




#3
Pyridine
Concen: 6.917 ng
RT: 3.725 min Scan# 117
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

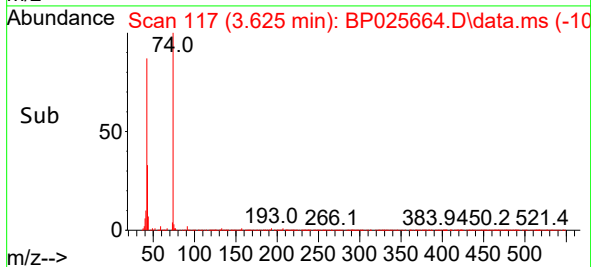
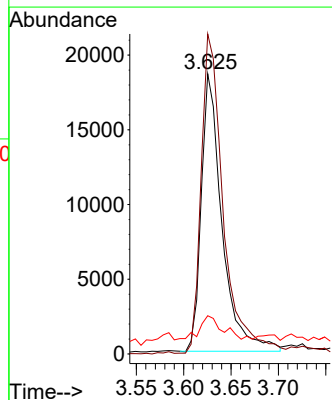
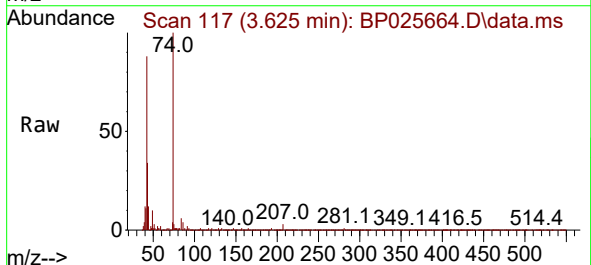
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

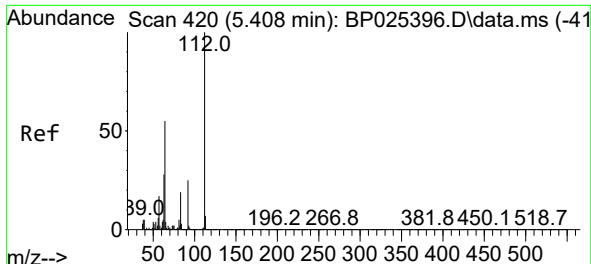
Tgt Ion: 79 Resp: 63031
Ion Ratio Lower Upper
79 100
52 74.8 55.5 83.3
51 39.1 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 7.523 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 42 Resp: 28265
Ion Ratio Lower Upper
42 100
74 114.2 107.0 160.4
44 13.7 6.2 9.4

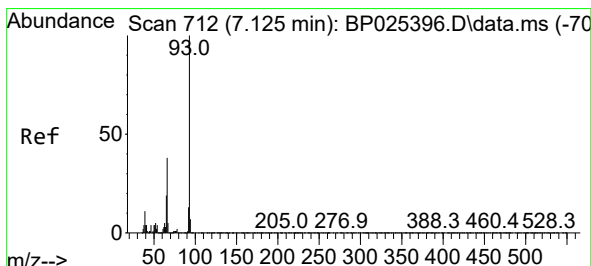
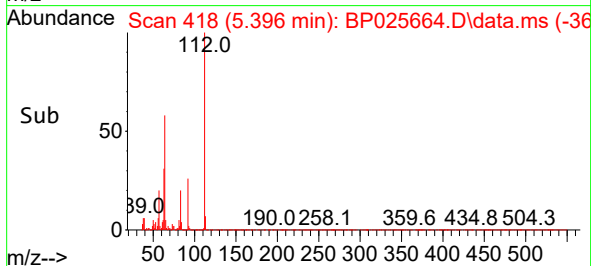
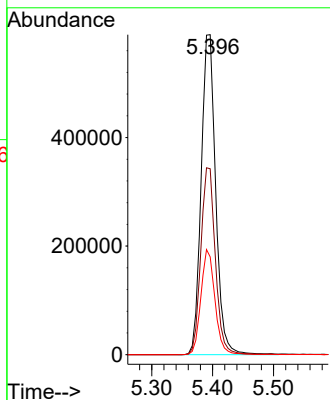
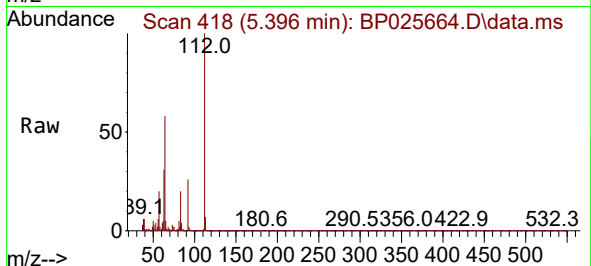




#5
2-Fluorophenol
Concen: 114.807 ng
RT: 5.396 min Scan# 41
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

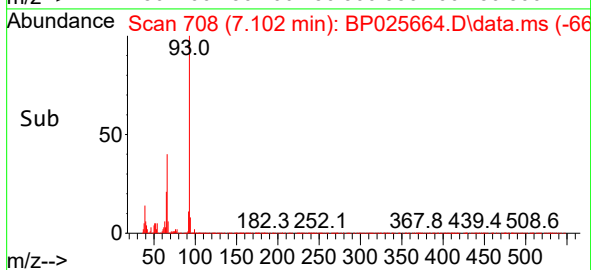
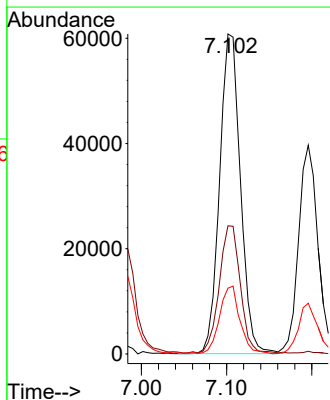
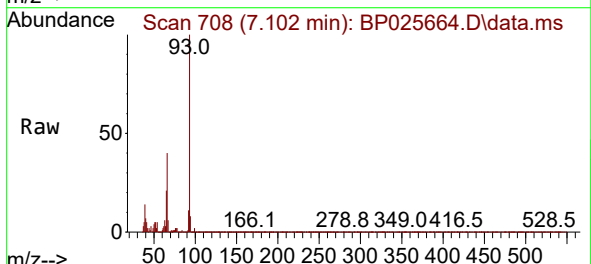
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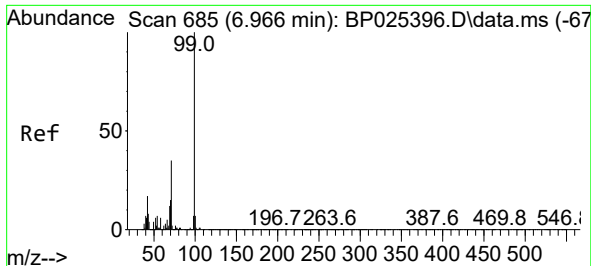
Tgt Ion:112 Resp: 975875
Ion Ratio Lower Upper
112 100
64 58.1 43.8 65.8
63 30.5 22.7 34.1



#6
Aniline
Concen: 7.041 ng
RT: 7.102 min Scan# 708
Delta R.T. -0.023 min
Lab File: BP025664.D
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Tgt Ion: 93 Resp: 103391
Ion Ratio Lower Upper
93 100
66 40.1 30.4 45.6
65 20.5 15.3 22.9

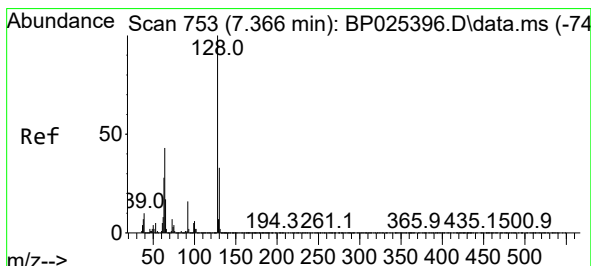
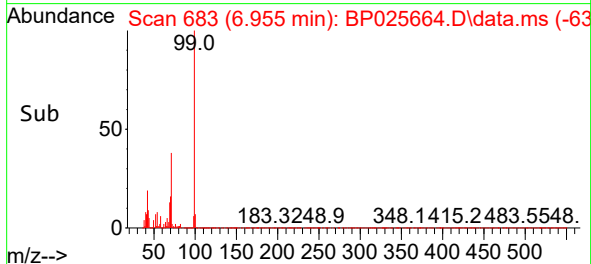
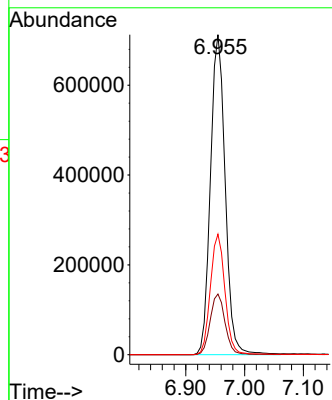
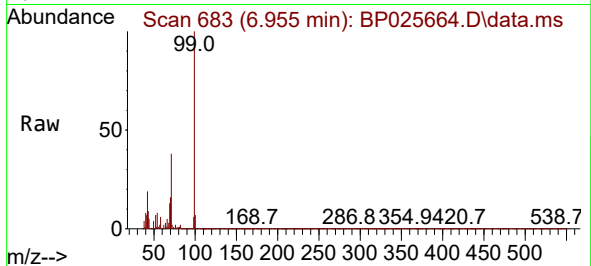




#7
Phenol-d6
Concen: 113.843 ng
RT: 6.955 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

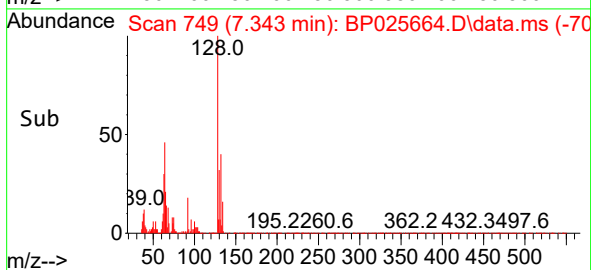
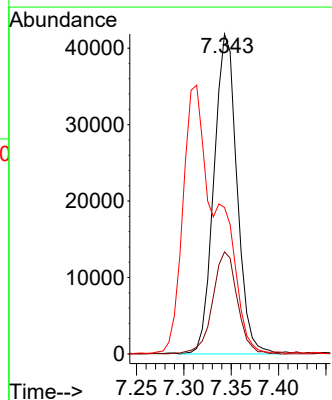
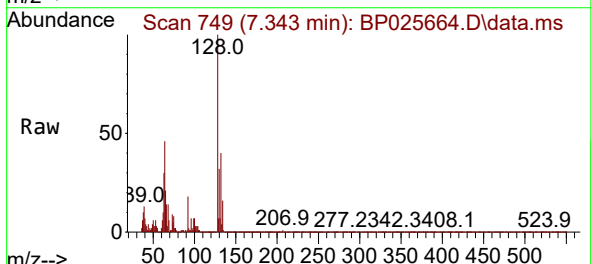
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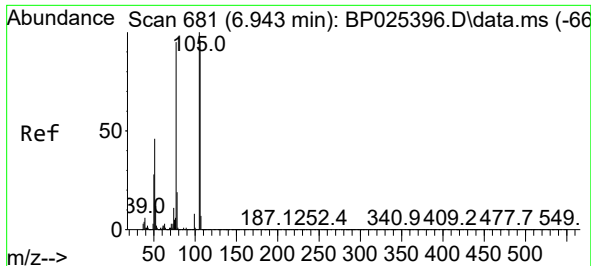
Tgt Ion: 99 Resp: 1240653
Ion Ratio Lower Upper
99 100
42 18.9 13.7 20.5
71 37.6 28.2 42.4



#8
2-Chlorophenol
Concen: 7.385 ng
RT: 7.343 min Scan# 749
Delta R.T. -0.023 min
Lab File: BP025664.D
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Tgt Ion: 128 Resp: 70839
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 45.8 23.4 63.4

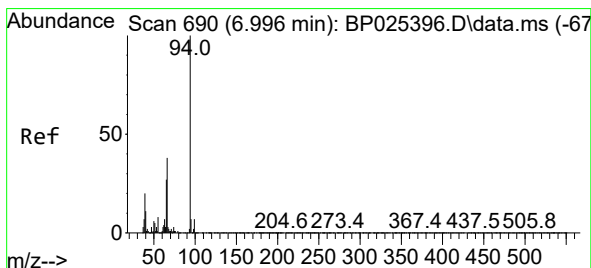
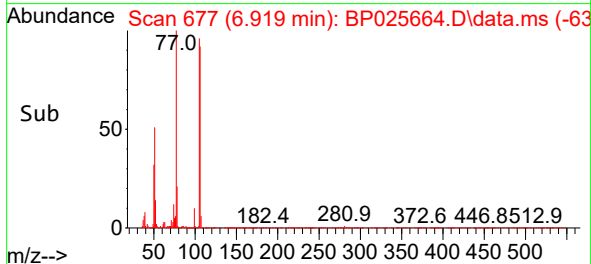
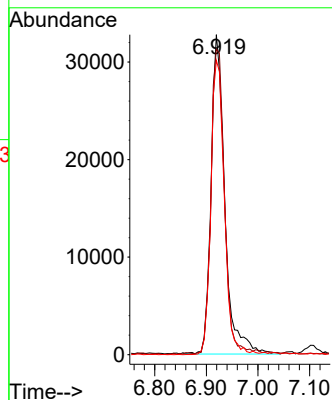
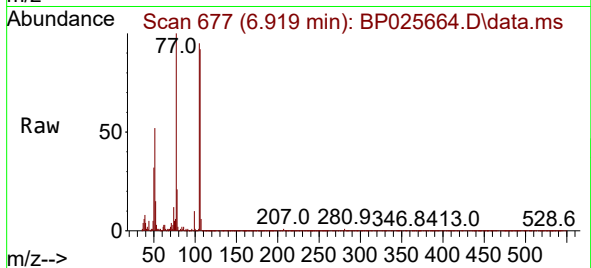




#9
Benzaldehyde
Concen: 7.928 ng
RT: 6.919 min Scan# 61
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

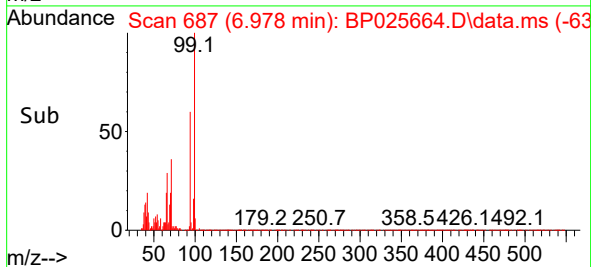
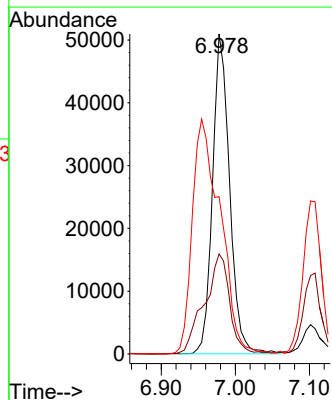
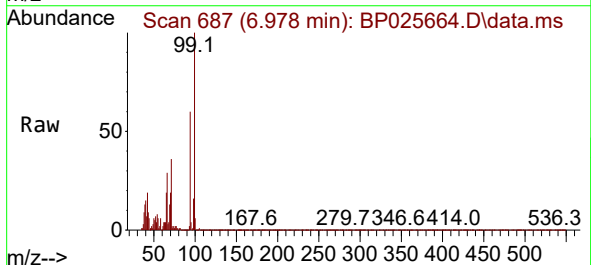
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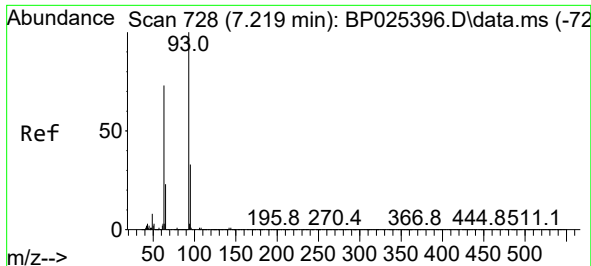
Tgt Ion: 77 Resp: 60531
Ion Ratio Lower Upper
77 100
105 95.4 84.8 124.8
106 92.0 80.5 120.5



#10
Phenol
Concen: 7.134 ng
RT: 6.978 min Scan# 687
Delta R.T. -0.018 min
Lab File: BP025664.D
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Tgt Ion: 94 Resp: 81582
Ion Ratio Lower Upper
94 100
65 31.2 6.8 46.8
66 49.1 18.2 58.2

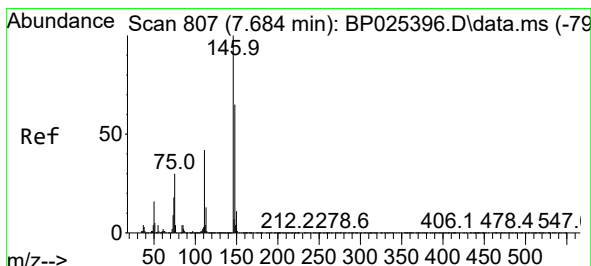
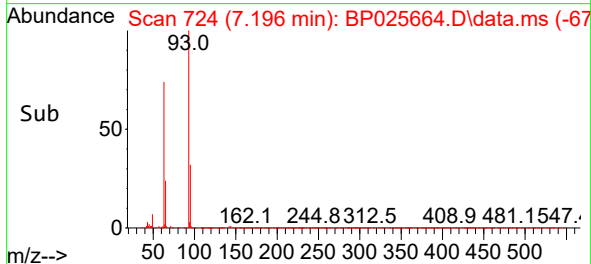
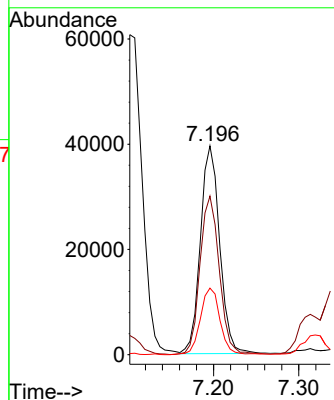
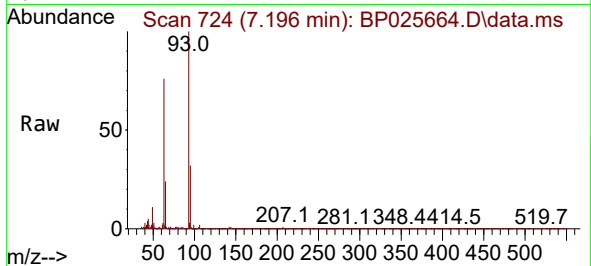




#11
bis(2-Chloroethyl)ether
Concen: 6.957 ng
RT: 7.196 min Scan# 71
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

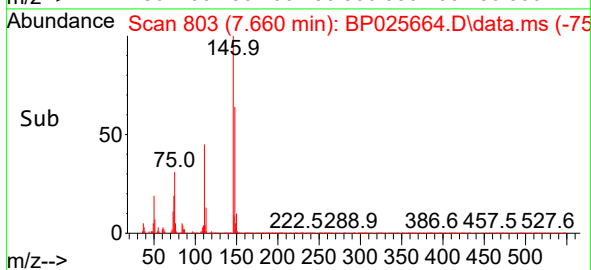
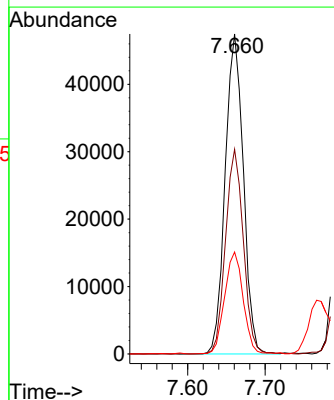
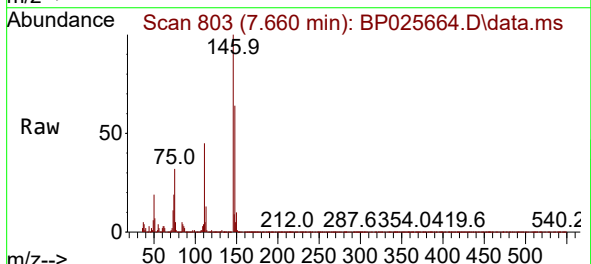
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

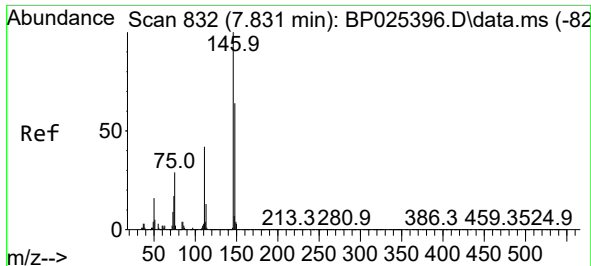
Tgt Ion: 93 Resp: 62009
Ion Ratio Lower Upper
93 100
63 75.9 52.6 92.6
95 31.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 7.314 ng
RT: 7.660 min Scan# 803
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 146 Resp: 77359
Ion Ratio Lower Upper
146 100
148 63.9 51.9 77.9
75 31.9 23.7 35.5

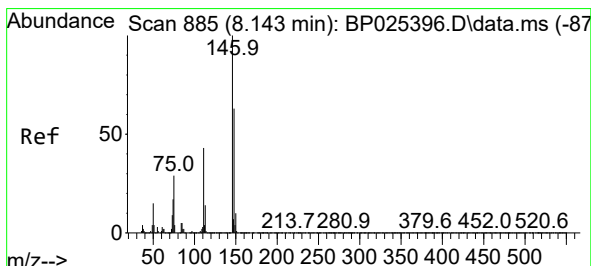
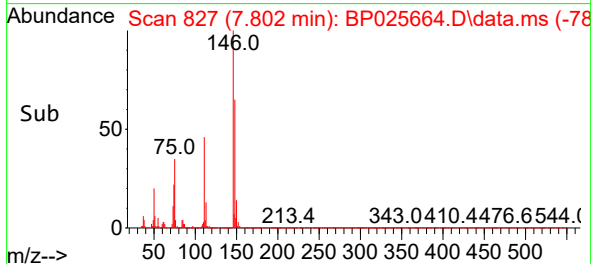
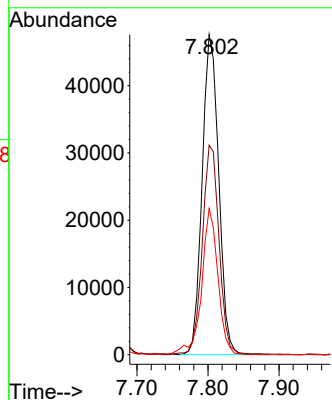
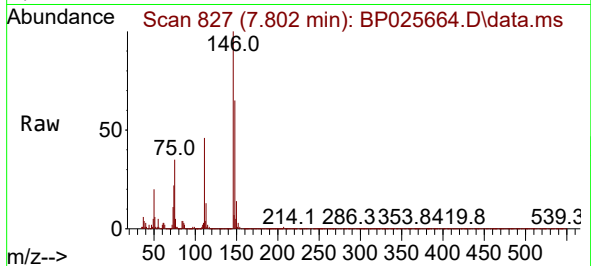




#13
1,4-Dichlorobenzene
Concen: 7.168 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

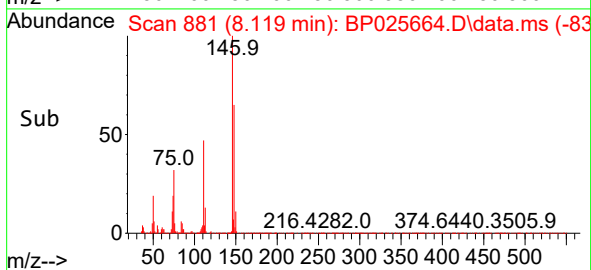
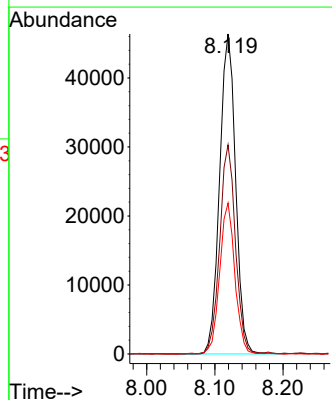
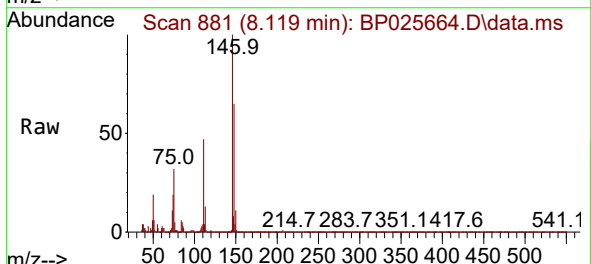
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

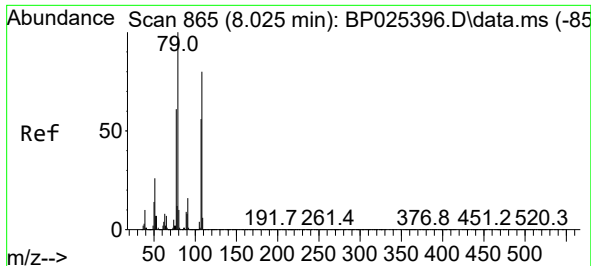
Tgt Ion:146 Resp: 77487
Ion Ratio Lower Upper
146 100
148 65.4 51.6 77.4
111 45.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 7.247 ng
RT: 8.119 min Scan# 881
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:146 Resp: 75834
Ion Ratio Lower Upper
146 100
148 65.3 50.4 75.6
111 47.2 34.5 51.7

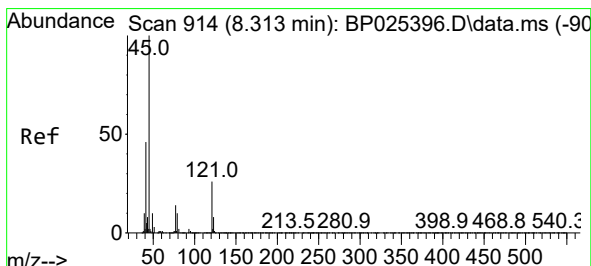
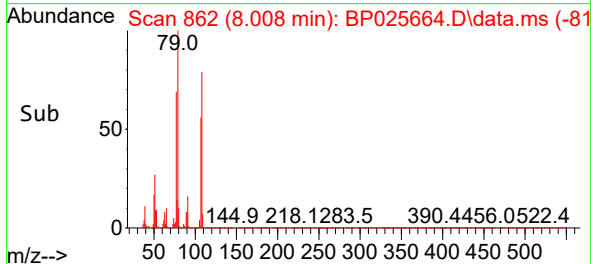
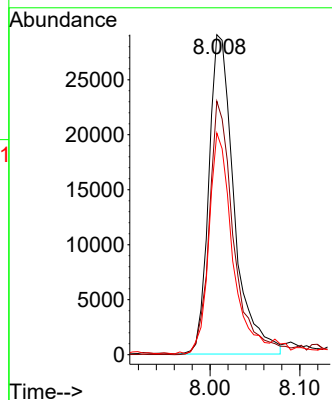
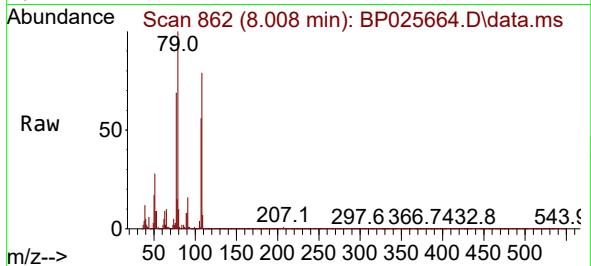




#15
Benzyl Alcohol
Concen: 6.584 ng
RT: 8.008 min Scan# 809
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

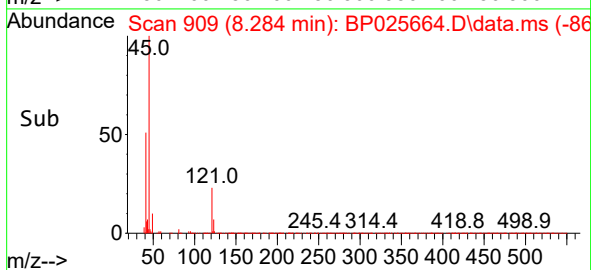
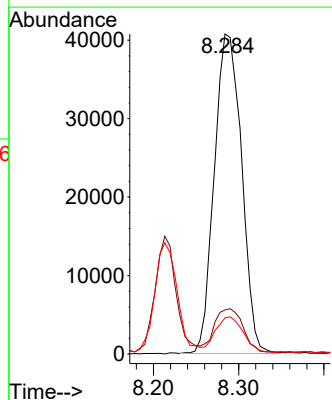
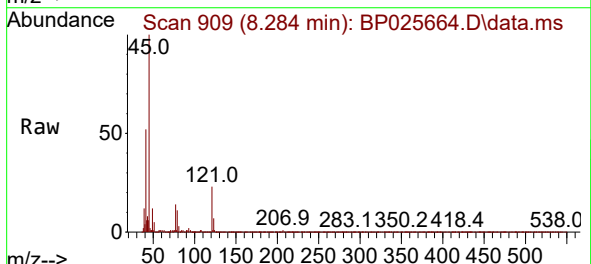
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

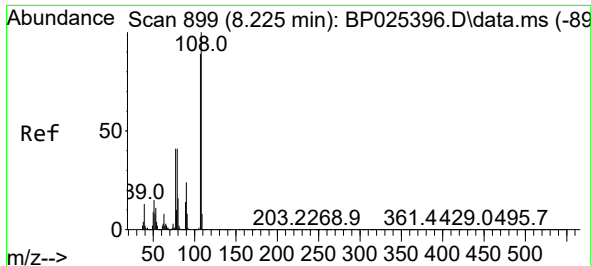
Tgt Ion: 79 Resp: 57008
Ion Ratio Lower Upper
79 100
108 79.2 63.8 95.6
77 69.2 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.582 ng
RT: 8.284 min Scan# 909
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 45 Resp: 90530
Ion Ratio Lower Upper
45 100
77 13.7 0.0 35.3
79 11.3 0.0 31.8

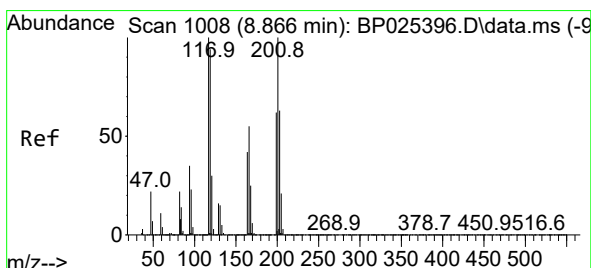
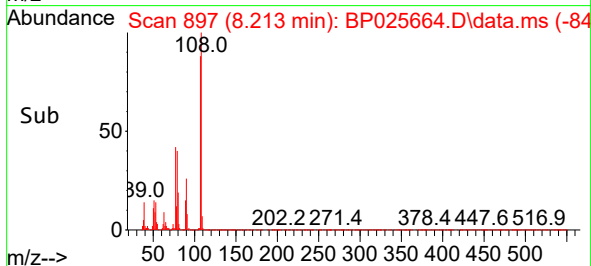
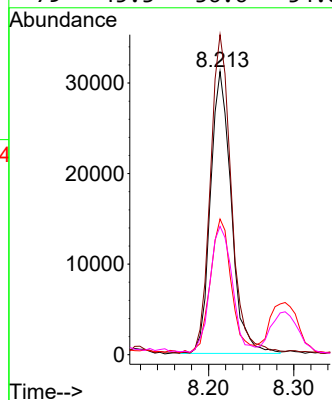
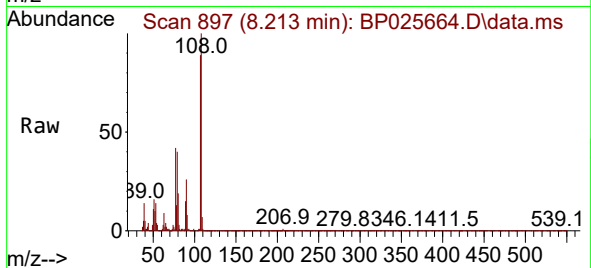




#17
2-Methylphenol
Concen: 6.643 ng
RT: 8.213 min Scan# 899
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

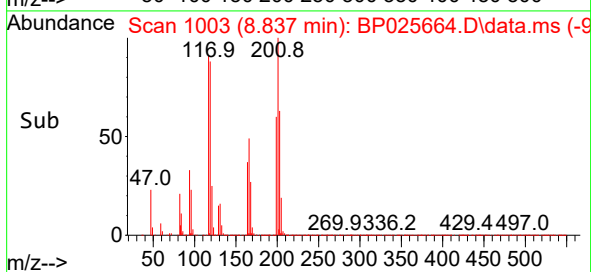
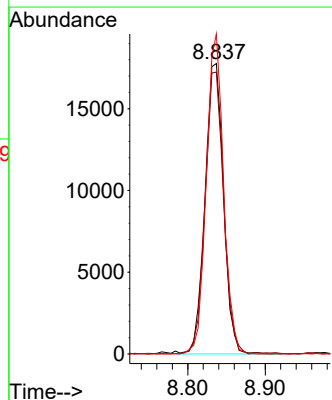
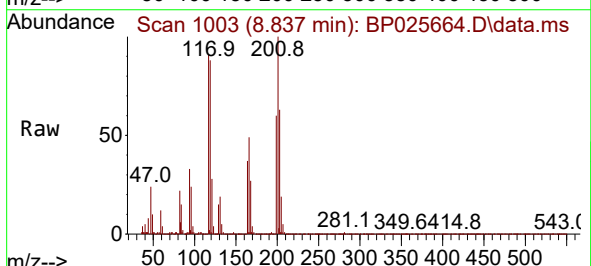
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

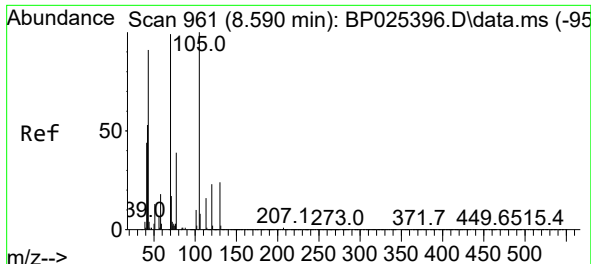
Tgt Ion:	107	Resp:	52758
Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.4	134.0
77	47.9	36.3	54.5
79	45.3	36.6	54.8



#18
Hexachloroethane
Concen: 7.410 ng
RT: 8.837 min Scan# 1003
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:	117	Resp:	29453
Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.1	112.7
201	110.2	80.1	120.1

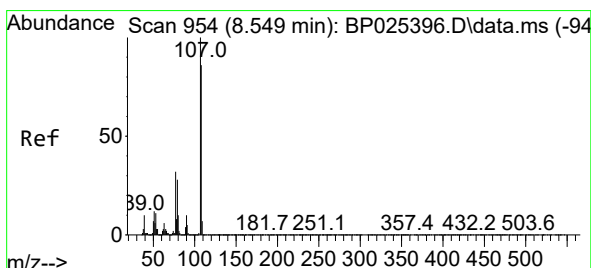
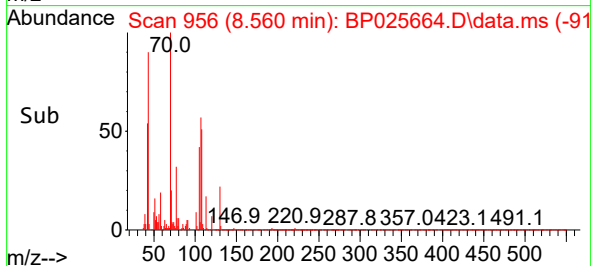
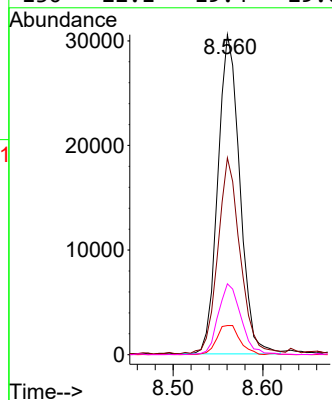
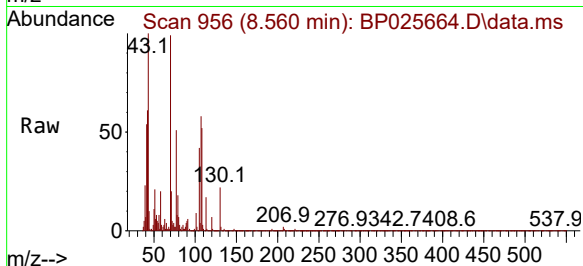




#19
n-Nitroso-di-n-propylamine
Concen: 7.182 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

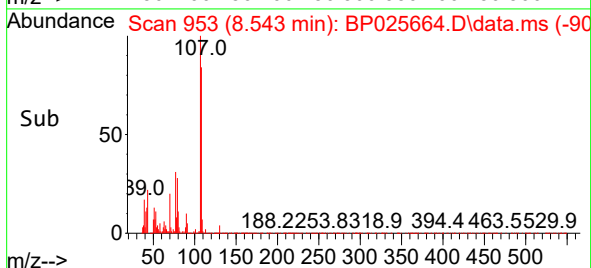
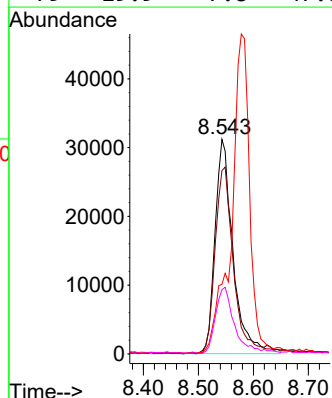
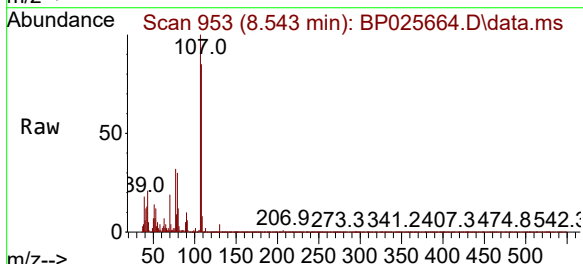
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

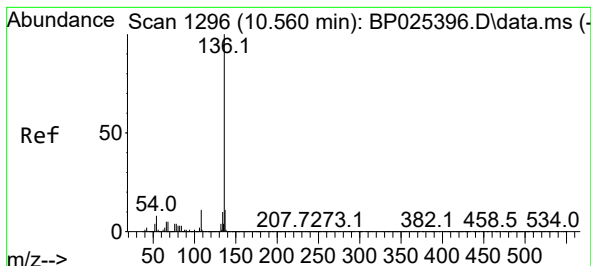
Tgt Ion: 70 Resp: 51847
Ion Ratio Lower Upper
70 100
42 61.5 43.8 65.6
101 9.1 8.5 12.7
130 22.1 19.4 29.0



#20
3+4-Methylphenols
Concen: 6.475 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 107 Resp: 71278
Ion Ratio Lower Upper
107 100
108 85.4 66.3 106.3
77 32.4 12.3 52.3
79 29.9 7.8 47.8

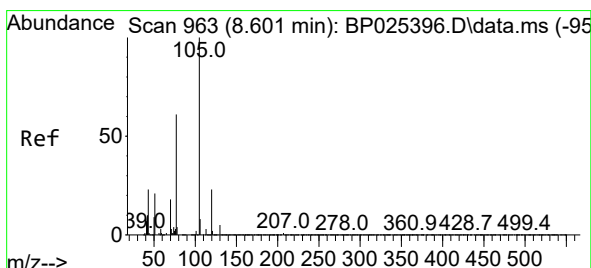
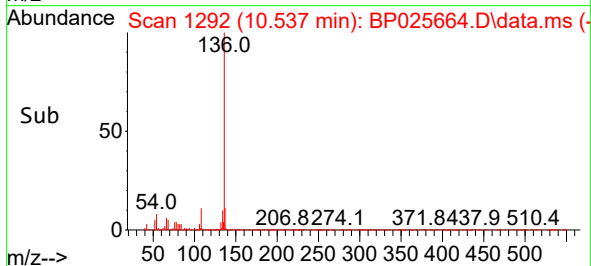
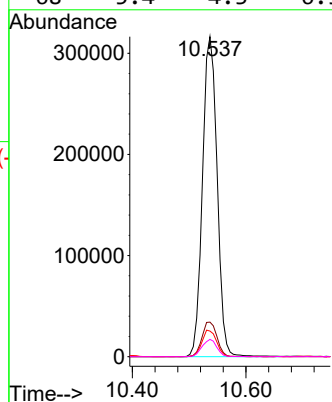
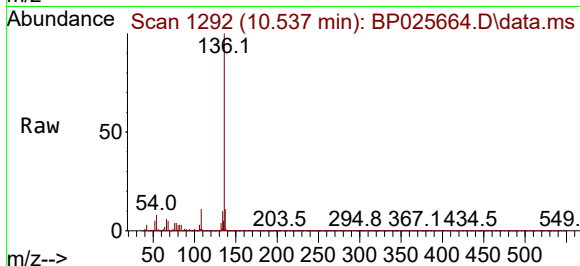




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 111
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

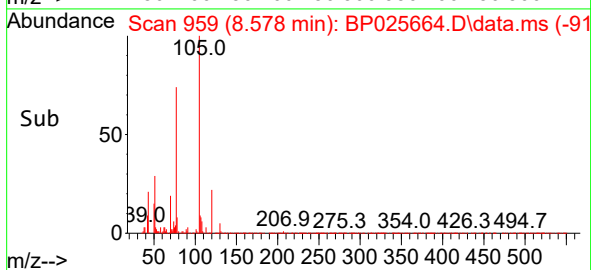
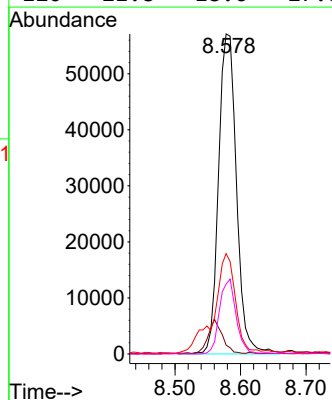
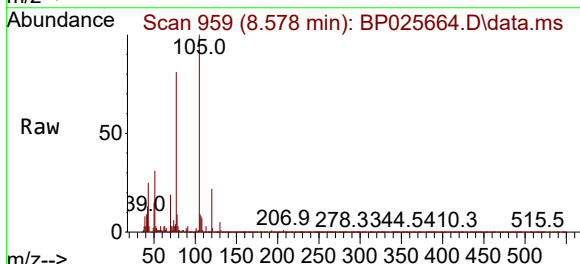
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

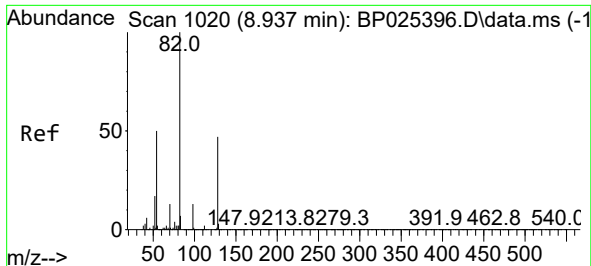
Tgt Ion:	136	Resp:	565628
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.0	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 7.635 ng
RT: 8.578 min Scan# 959
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:	105	Resp:	108303
Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	31.3	20.6	30.8
120	21.8	18.6	27.8

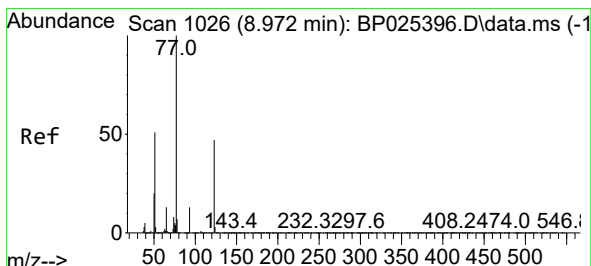
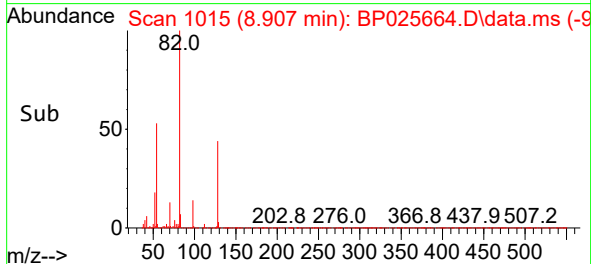
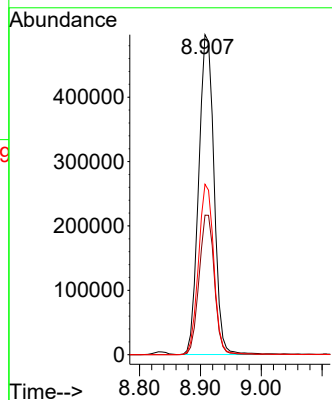
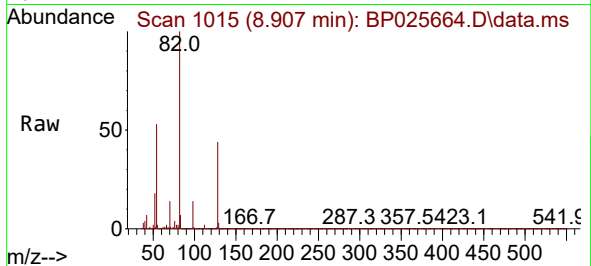




#23
Nitrobenzene-d5
Concen: 77.880 ng
RT: 8.907 min Scan# 1015
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

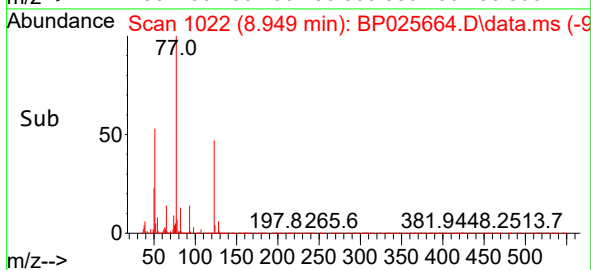
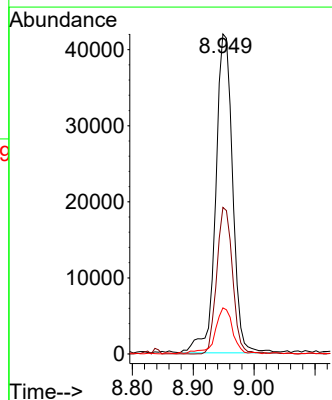
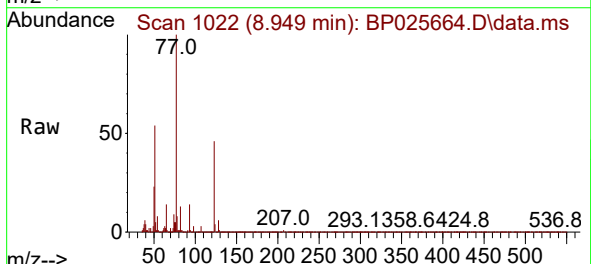
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

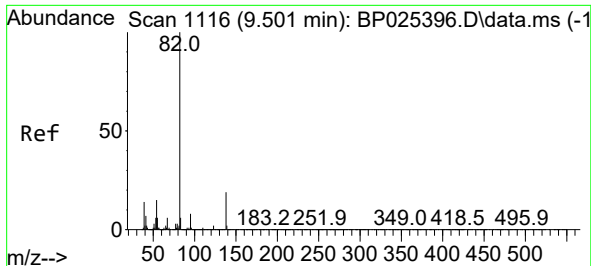
Tgt Ion: 82 Resp: 870829
Ion Ratio Lower Upper
82 100
128 43.6 37.7 56.5
54 53.3 39.8 59.6



#24
Nitrobenzene
Concen: 8.100 ng
RT: 8.949 min Scan# 1022
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 77 Resp: 80942
Ion Ratio Lower Upper
77 100
123 45.8 38.6 58.0
65 14.4 10.6 15.8

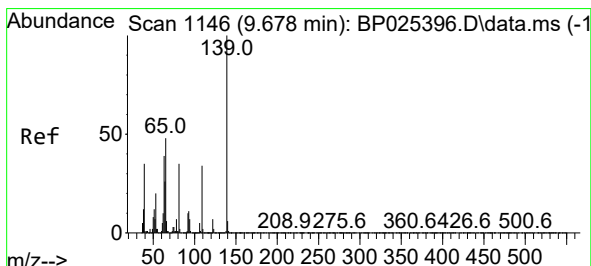
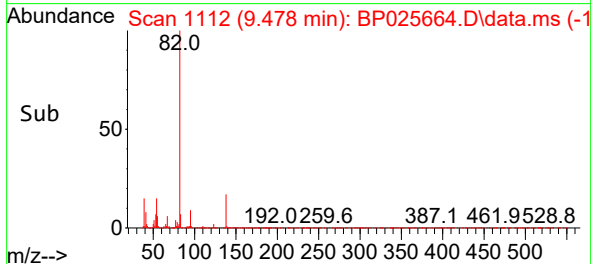
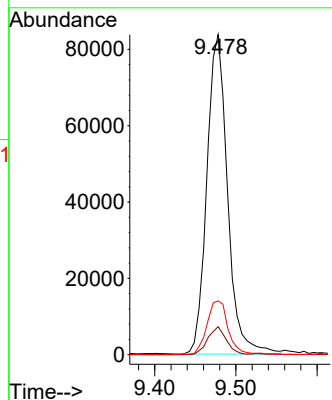
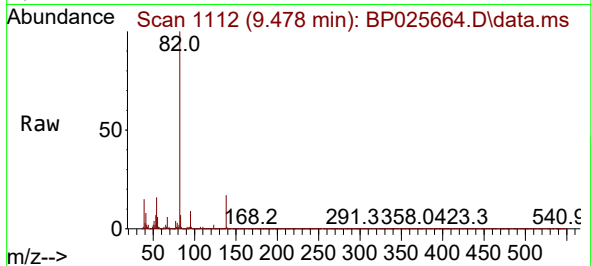




#25
Isophorone
Concen: 7.489 ng
RT: 9.478 min Scan# 1116
Delta R.T. -0.023 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

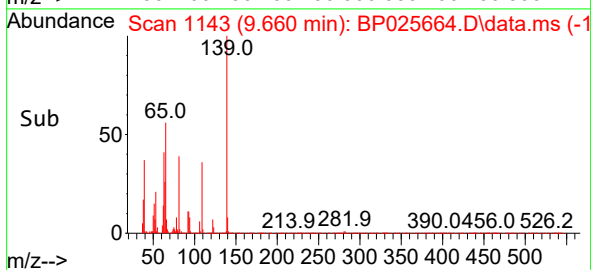
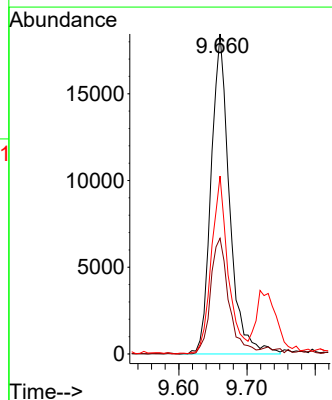
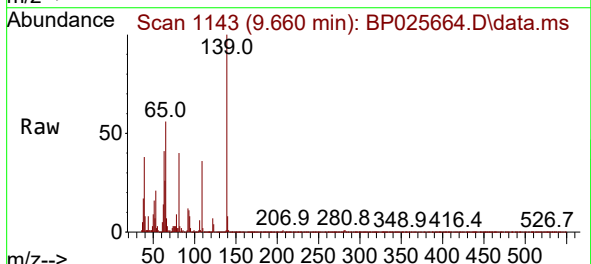
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

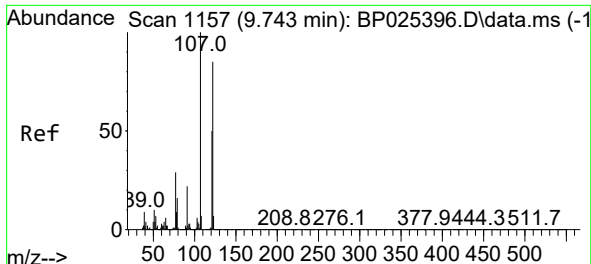
Tgt Ion: 82 Resp: 148195
Ion Ratio Lower Upper
82 100
95 8.7 6.4 9.6
138 16.8 15.4 23.0



#26
2-Nitrophenol
Concen: 6.738 ng
RT: 9.660 min Scan# 1143
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 139 Resp: 34557
Ion Ratio Lower Upper
139 100
109 36.1 26.9 40.3
65 55.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 6.894 ng

RT: 9.731 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

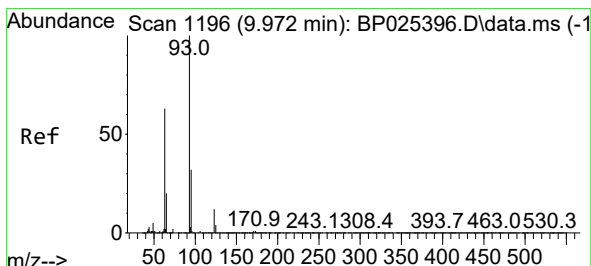
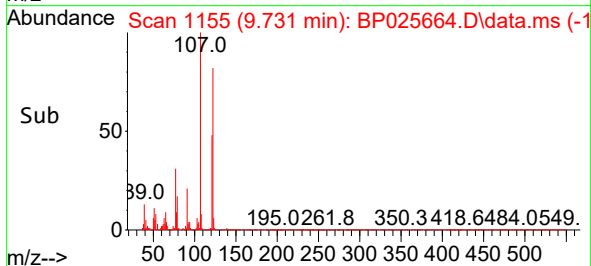
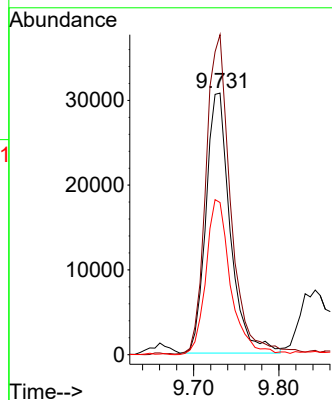
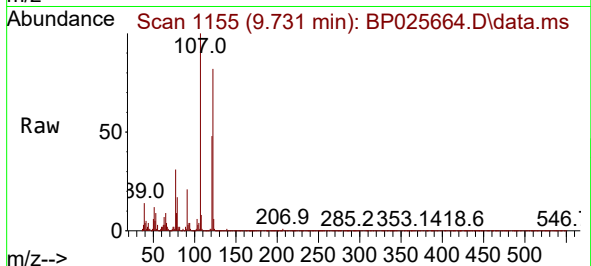
Tgt Ion:122 Resp: 60804

Ion Ratio Lower Upper

122 100

107 122.3 93.7 140.5

121 58.2 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 7.085 ng

RT: 9.949 min Scan# 1192

Delta R.T. -0.023 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

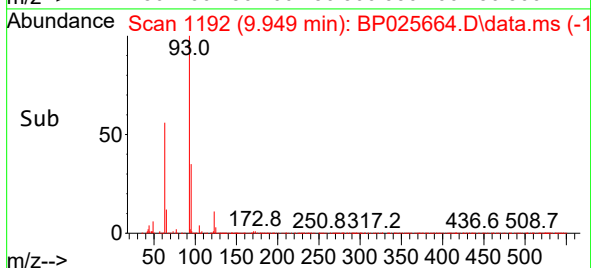
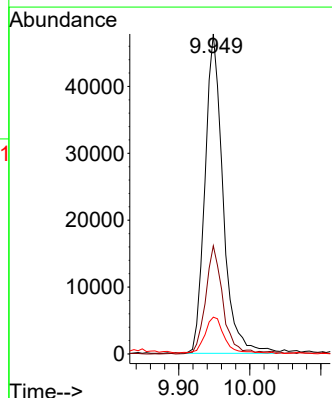
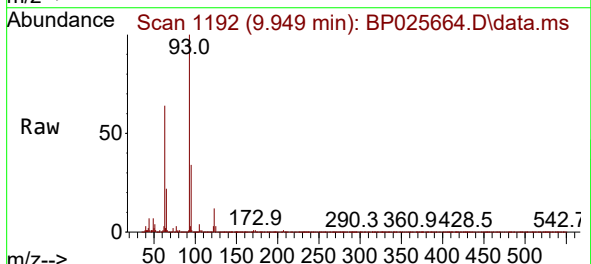
Tgt Ion: 93 Resp: 84752

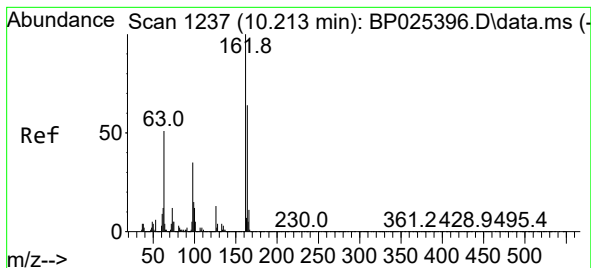
Ion Ratio Lower Upper

93 100

95 33.8 25.4 38.0

123 11.5 9.4 14.0

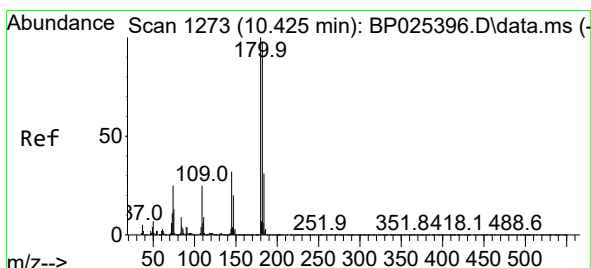
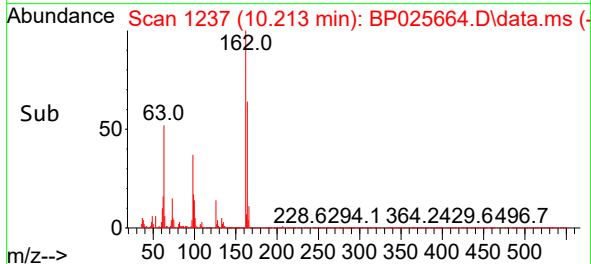
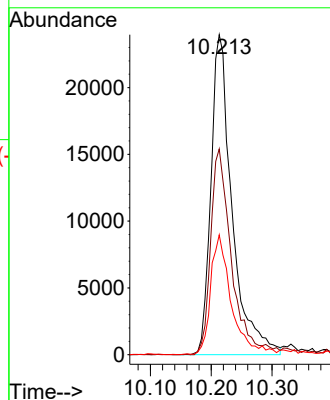
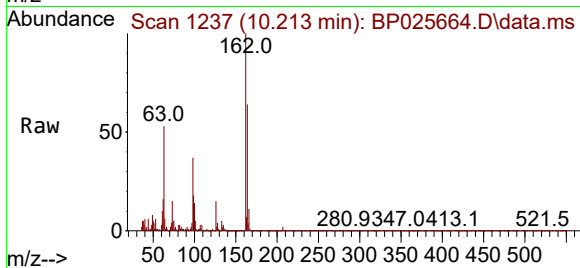




#29
2,4-Dichlorophenol
Concen: 6.588 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

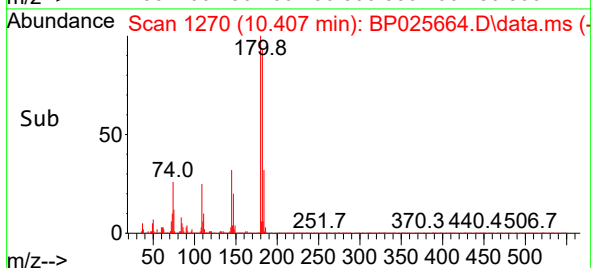
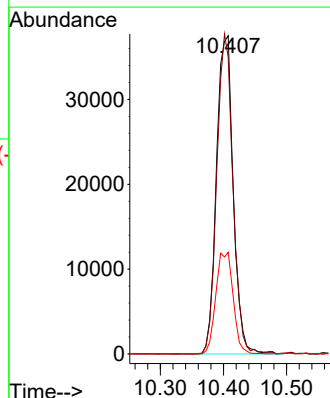
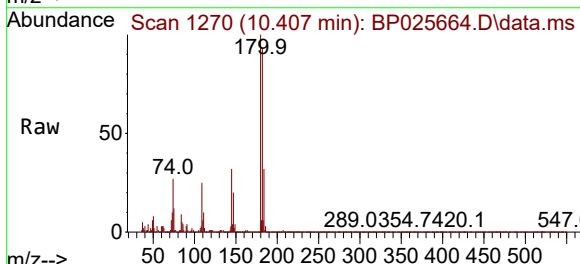
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

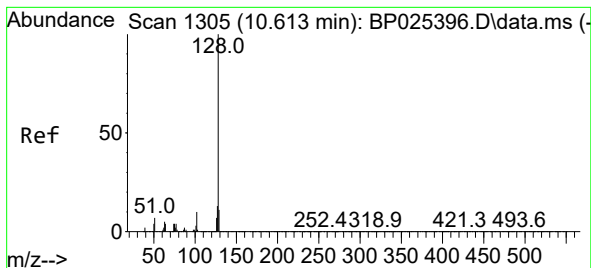
Tgt Ion:162 Resp: 57720
Ion Ratio Lower Upper
162 100
164 64.3 44.4 84.4
98 37.5 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 7.209 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:180 Resp: 69239
Ion Ratio Lower Upper
180 100
182 93.3 78.0 117.0
145 32.0 25.9 38.9

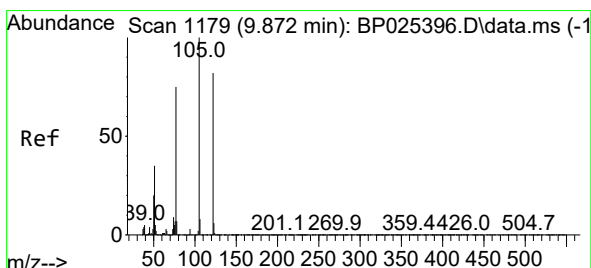
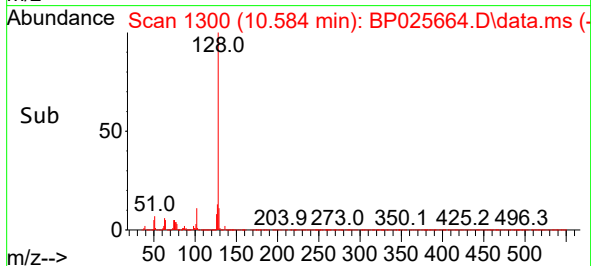
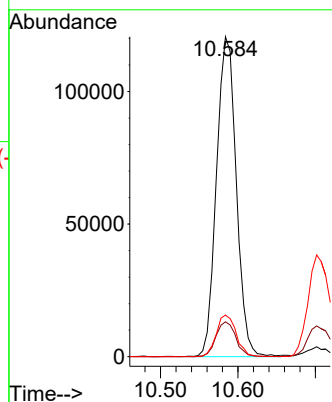
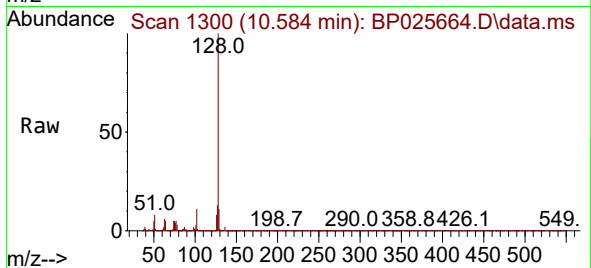




#31
Naphthalene
Concen: 7.303 ng
RT: 10.584 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

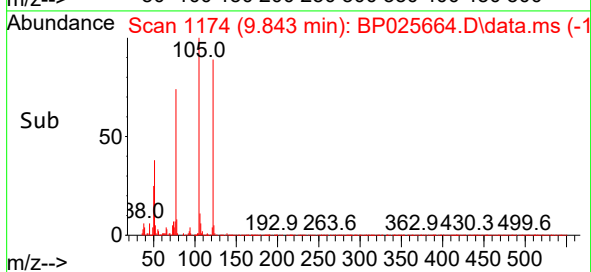
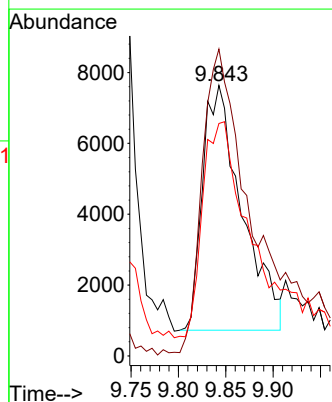
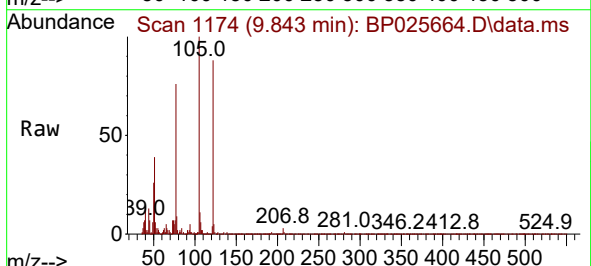
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

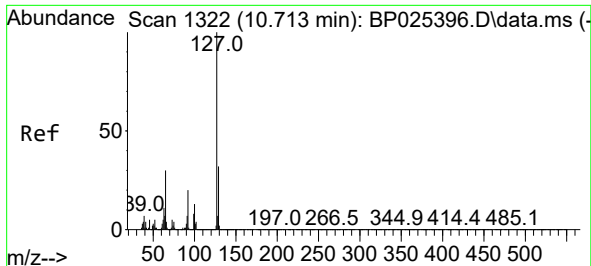
Tgt Ion:128 Resp: 214694
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 3.070 ng
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:122 Resp: 19991
Ion Ratio Lower Upper
122 100
105 113.4 100.6 140.6
77 85.9 71.5 111.5

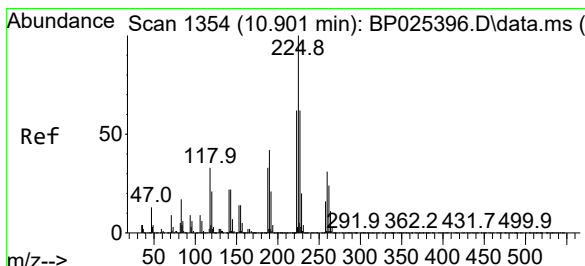
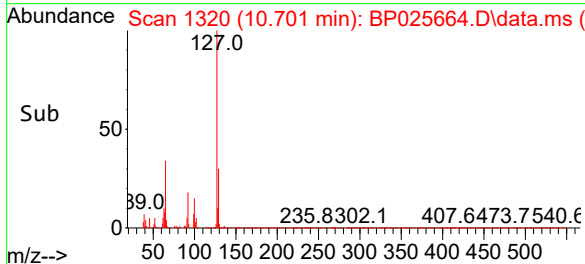
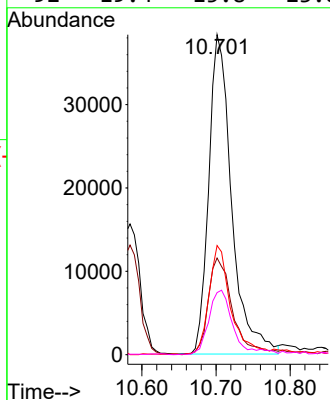
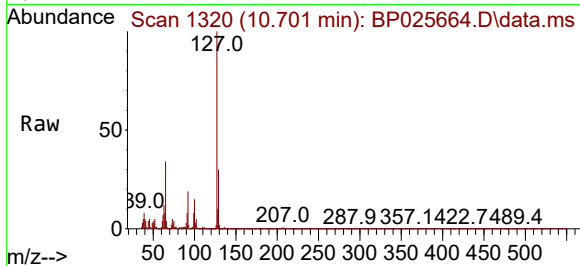




#33
4-Chloroaniline
Concen: 6.346 ng
RT: 10.701 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

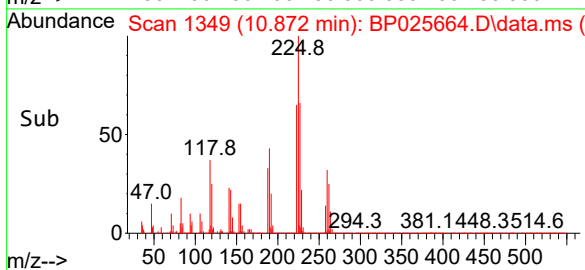
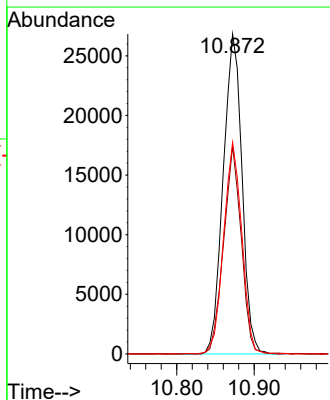
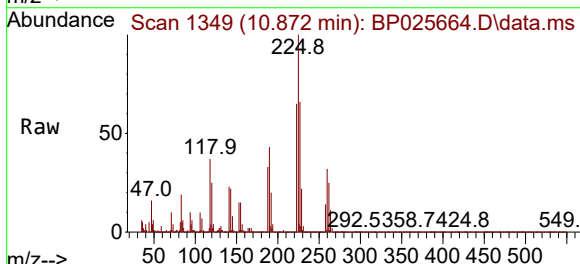
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

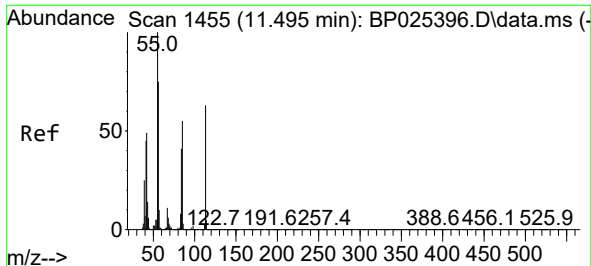
Tgt Ion:127	Resp:	82416
Ion Ratio	Lower	Upper
127	100	
129	30.2	25.4 38.2
65	34.1	23.8 35.6
92	19.4	15.8 23.8



#34
Hexachlorobutadiene
Concen: 7.554 ng
RT: 10.872 min Scan# 1349
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:225	Resp:	45184
Ion Ratio	Lower	Upper
225	100	
223	65.0	50.0 75.0
227	68.7	49.7 74.5

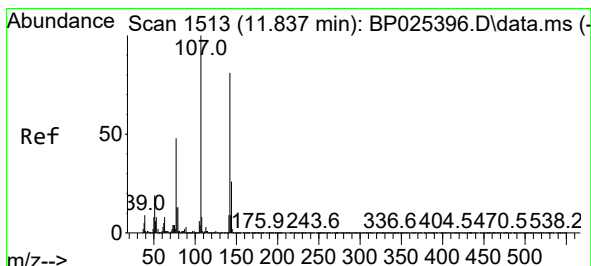
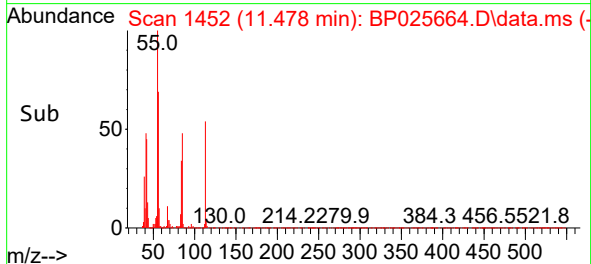
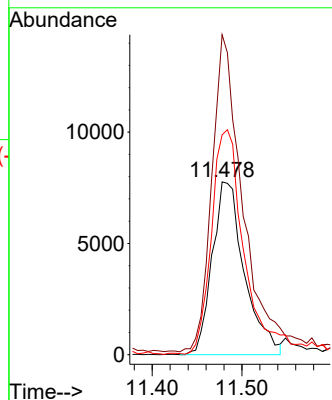
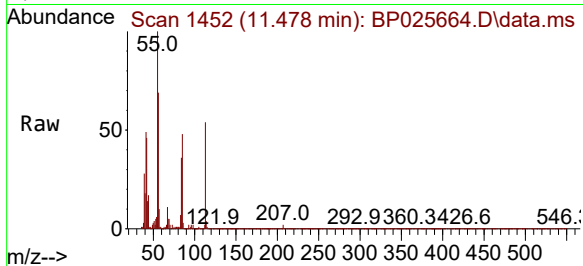




#35
Caprolactam
Concen: 6.010 ng
RT: 11.478 min Scan# 1455
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

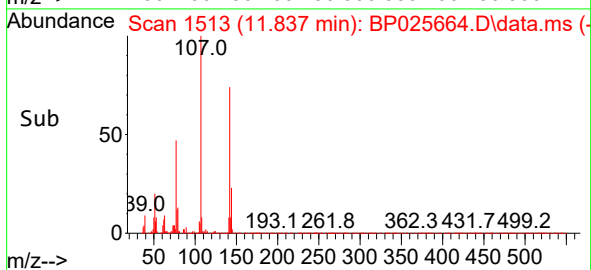
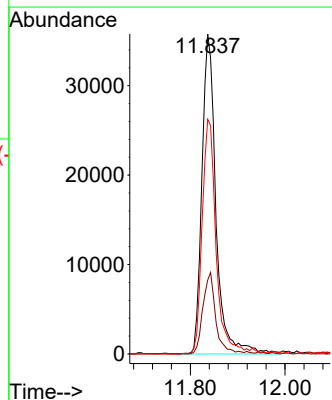
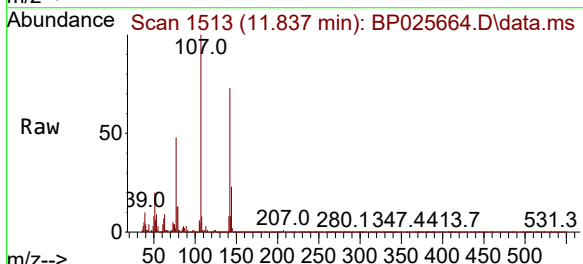
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

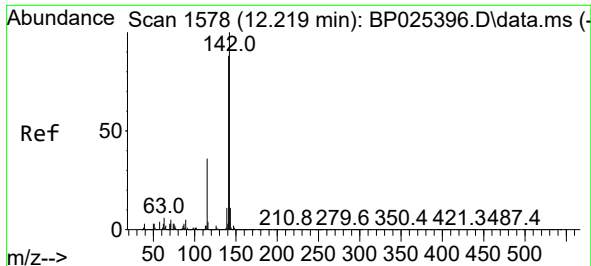
Tgt Ion:113 Resp: 19308
Ion Ratio Lower Upper
113 100
55 185.2 140.0 180.0#
56 127.2 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 7.307 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:107 Resp: 73462
Ion Ratio Lower Upper
107 100
144 23.1 21.0 31.4
142 73.3 64.6 97.0

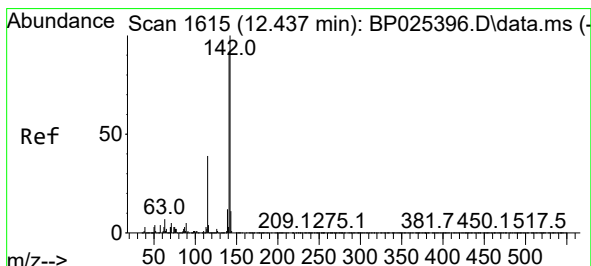
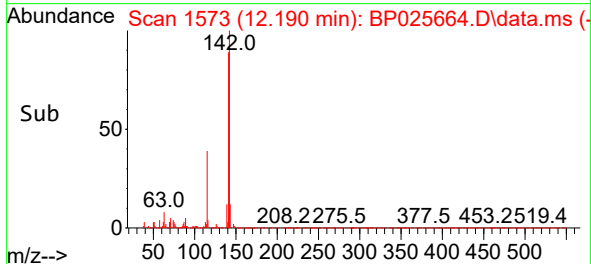
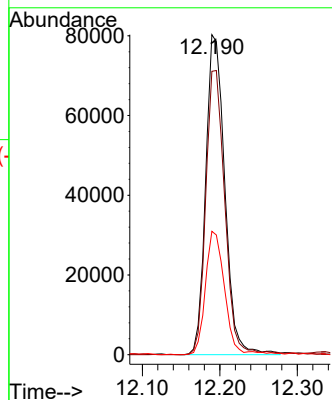
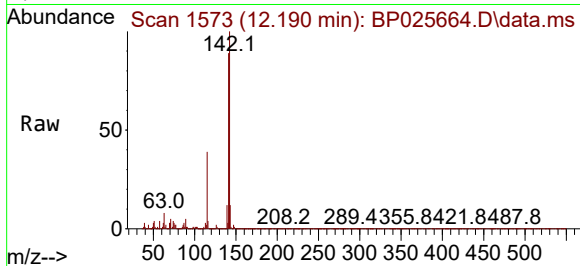




#37
2-Methylnaphthalene
Concen: 7.179 ng
RT: 12.190 min Scan# 1573
Delta R.T. -0.029 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

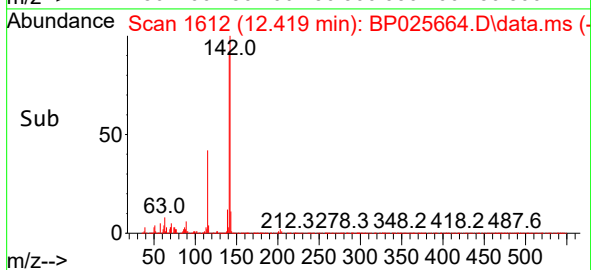
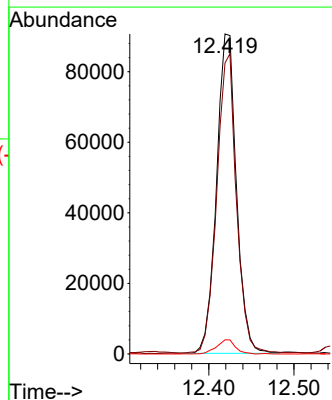
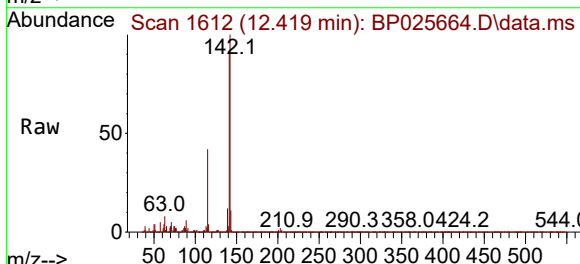
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

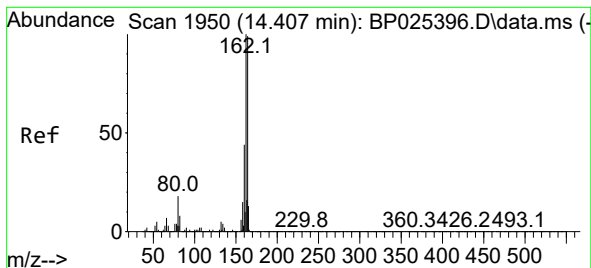
Tgt Ion:142 Resp: 137355
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 38.6 28.9 43.3



#38
1-Methylnaphthalene
Concen: 7.249 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:142 Resp: 147490
Ion Ratio Lower Upper
142 100
141 90.9 73.1 109.7
116 4.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.390 min Scan# 1950

Delta R.T. -0.018 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

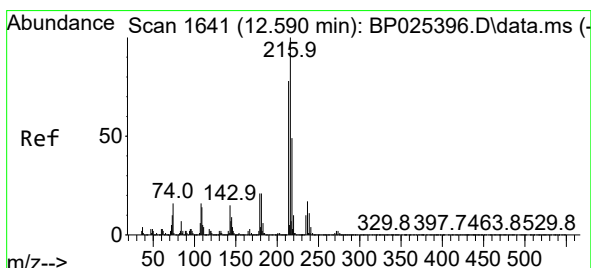
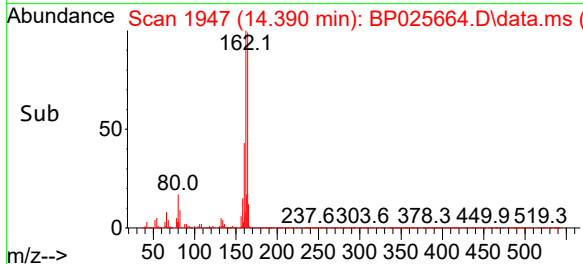
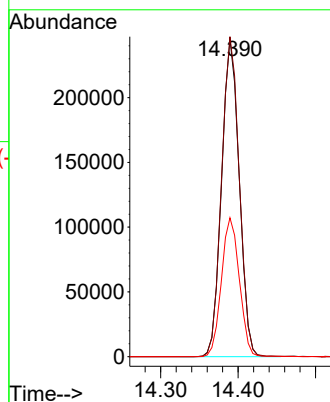
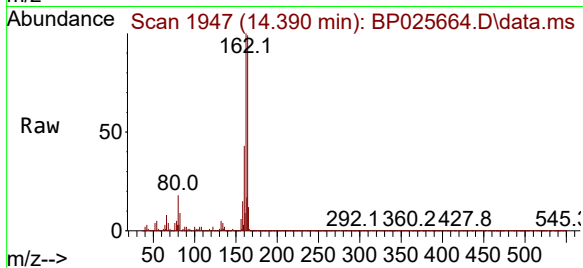
Tgt Ion:164 Resp: 388468

Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.6

160 43.7 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.287 ng

RT: 12.566 min Scan# 1637

Delta R.T. -0.023 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Tgt Ion:216 Resp: 81752

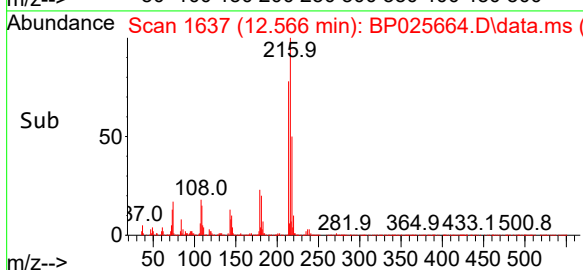
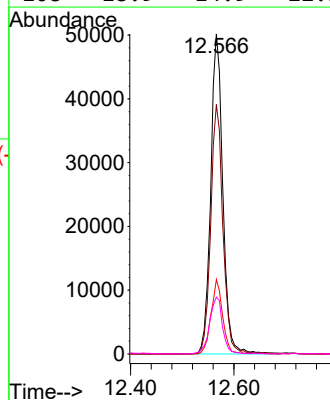
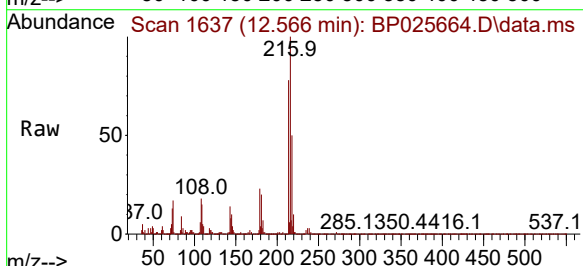
Ion Ratio Lower Upper

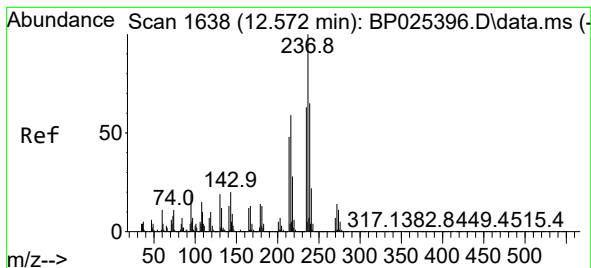
216 100

214 78.3 63.0 94.4

179 22.2 17.1 25.7

108 18.9 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 3.856 ng

RT: 12.543 min Scan# 1

Delta R.T. -0.029 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

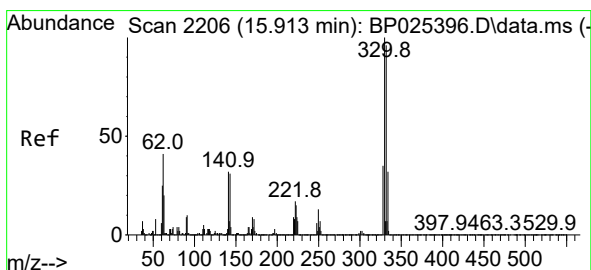
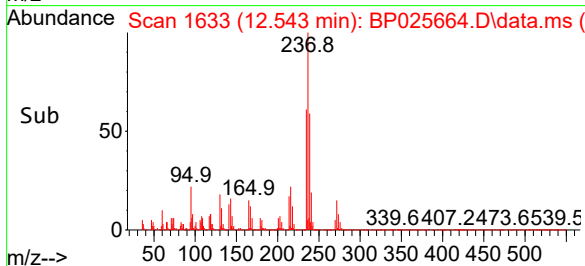
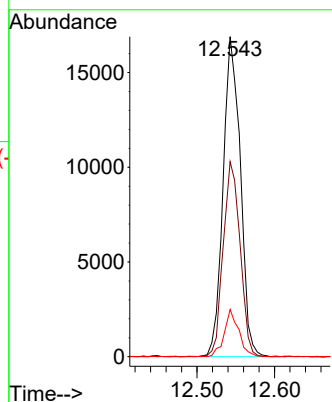
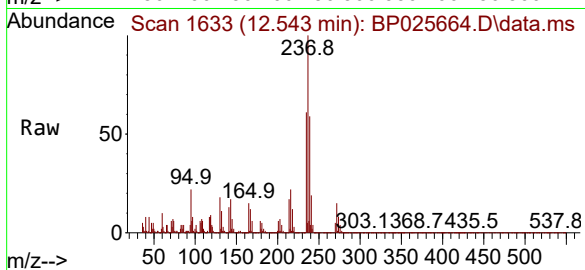
Tgt Ion:237 Resp: 26132

Ion Ratio Lower Upper

237 100

235 61.0 42.7 82.7

272 14.7 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 121.159 ng

RT: 15.907 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

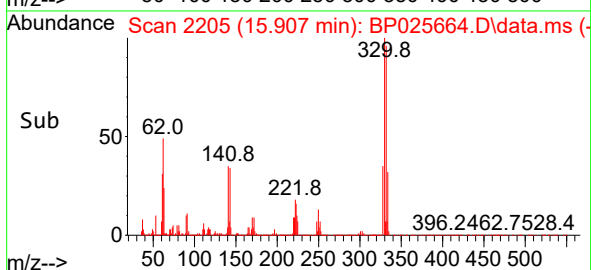
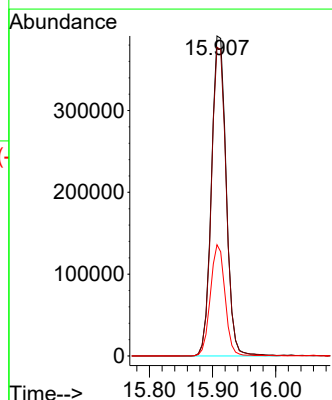
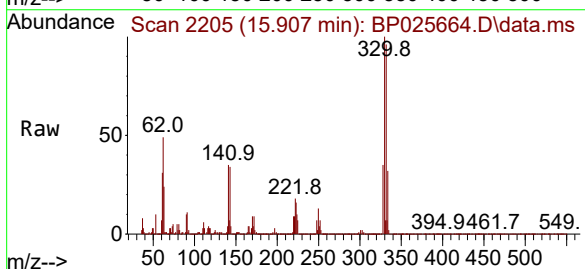
Tgt Ion:330 Resp: 633519

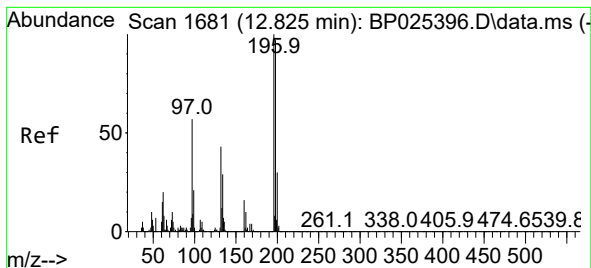
Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 34.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 7.205 ng

RT: 12.901 min Scan# 1

Delta R.T. 0.077 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

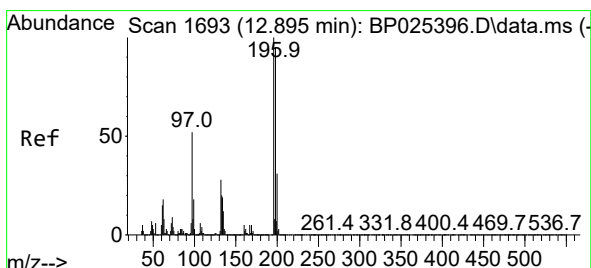
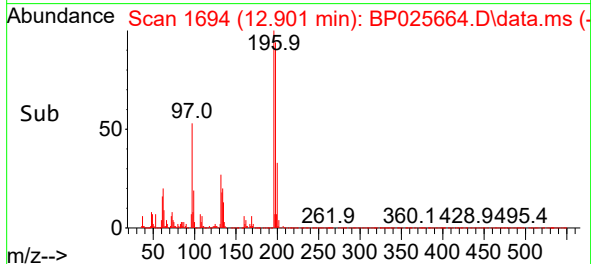
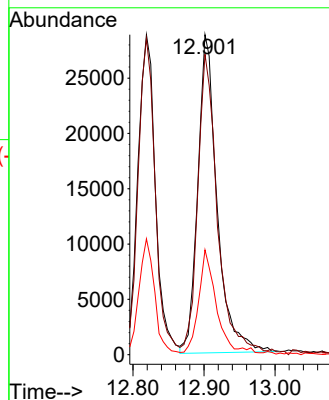
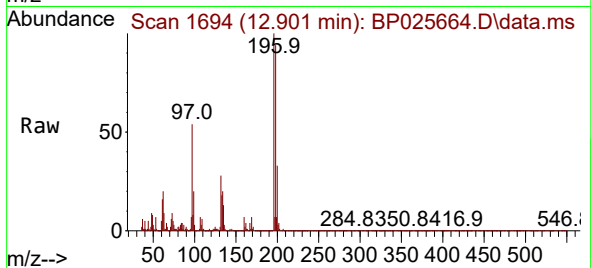
Tgt Ion:196 Resp: 54572

Ion Ratio Lower Upper

196 100

198 93.9 77.2 115.8

200 32.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 6.574 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Tgt Ion:196 Resp: 54572

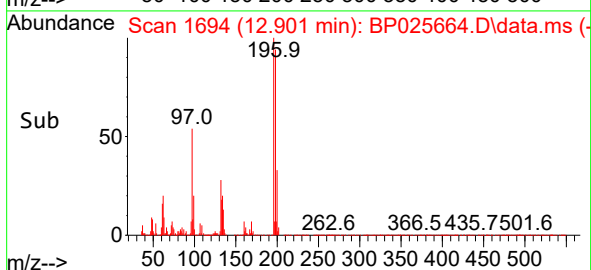
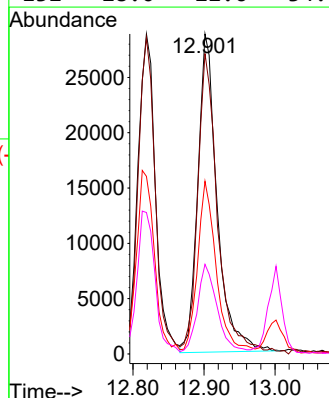
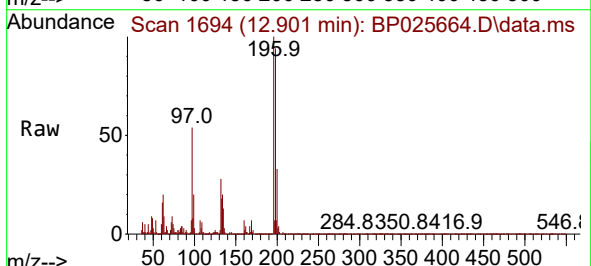
Ion Ratio Lower Upper

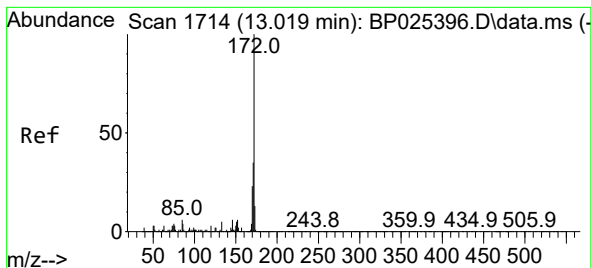
196 100

198 93.9 76.2 114.2

97 54.0 41.2 61.8

132 28.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 72.667 ng

RT: 13.001 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

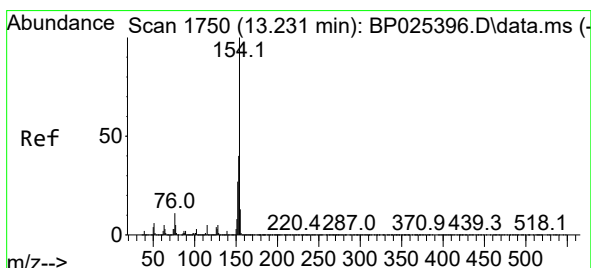
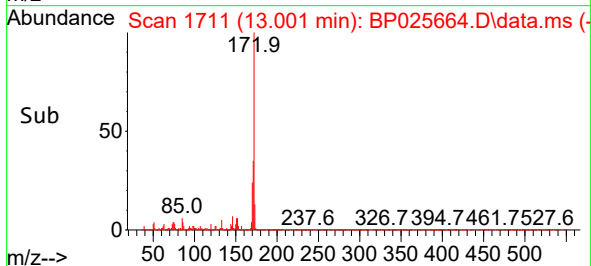
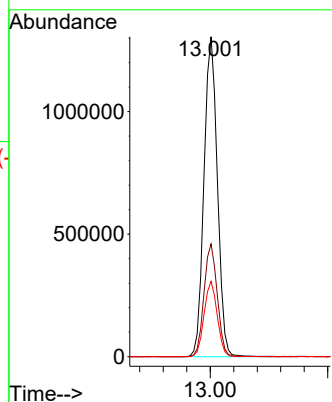
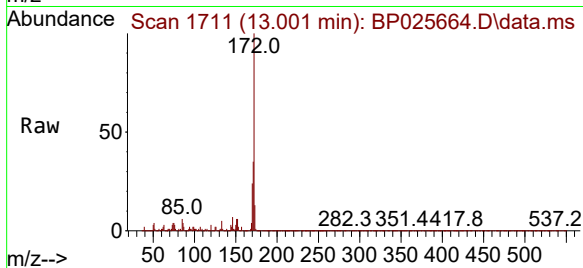
Tgt Ion:172 Resp: 2065488

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.6 18.6 28.0



#46

1,1'-Biphenyl

Concen: 7.339 ng

RT: 13.207 min Scan# 1746

Delta R.T. -0.023 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

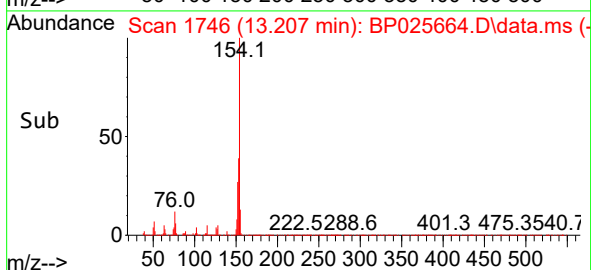
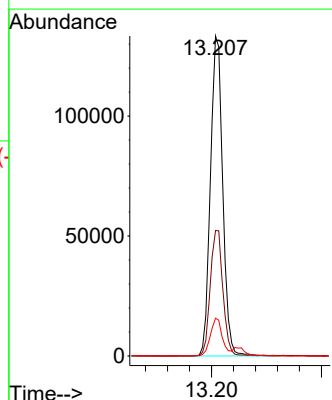
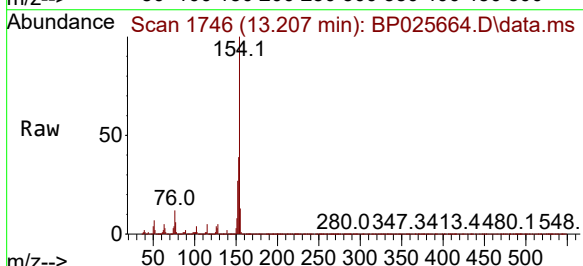
Tgt Ion:154 Resp: 207051

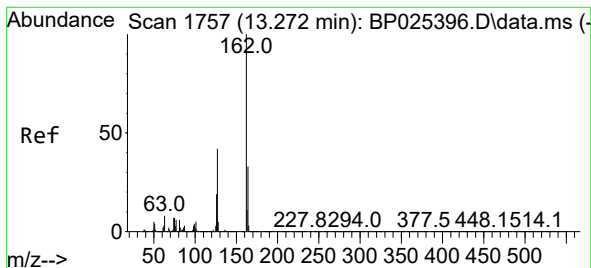
Ion Ratio Lower Upper

154 100

153 39.2 19.5 59.5

76 11.8 0.0 31.1





#47

2-Chloronaphthalene

Concen: 7.032 ng

RT: 13.248 min Scan# 1

Delta R.T. -0.023 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

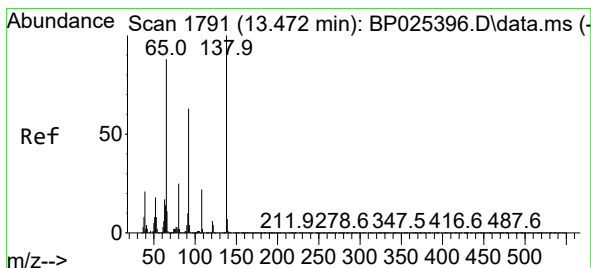
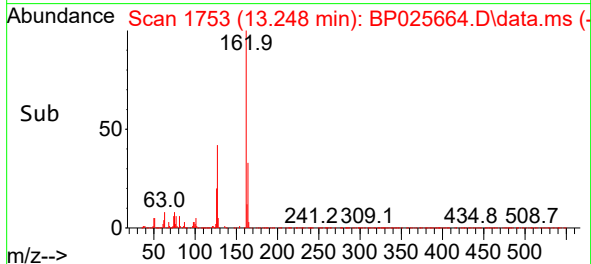
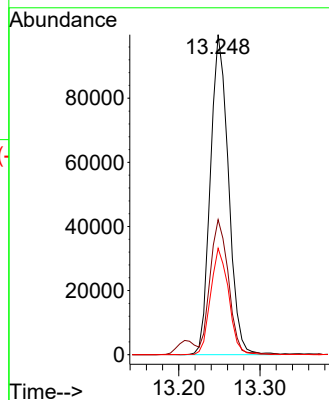
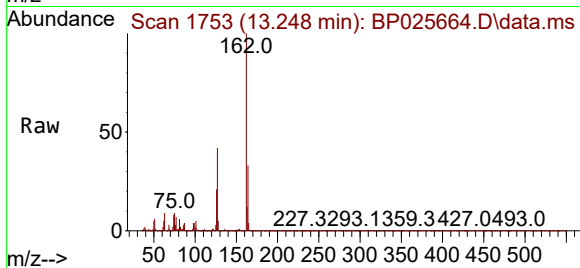
Tgt Ion:162 Resp: 154457

Ion Ratio Lower Upper

162 100

127 42.2 33.4 50.2

164 33.2 26.2 39.2



#48

2-Nitroaniline

Concen: 6.879 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

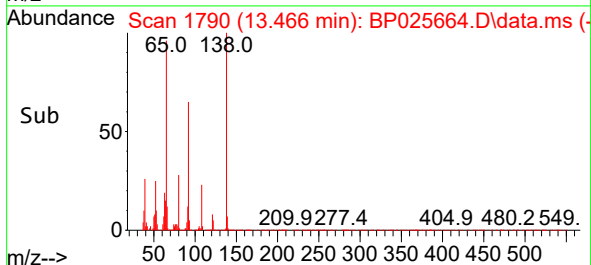
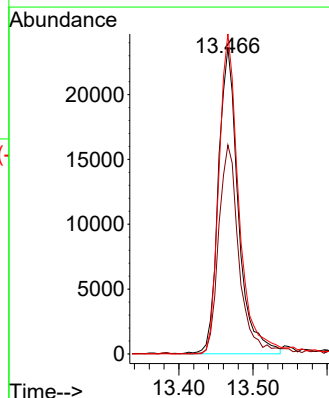
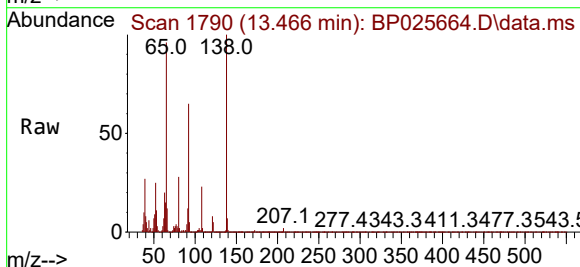
Tgt Ion: 65 Resp: 44023

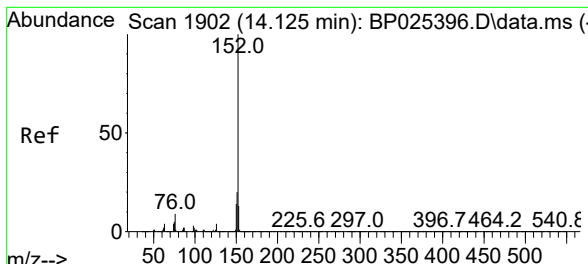
Ion Ratio Lower Upper

65 100

92 68.2 57.6 86.4

138 104.4 91.0 136.6

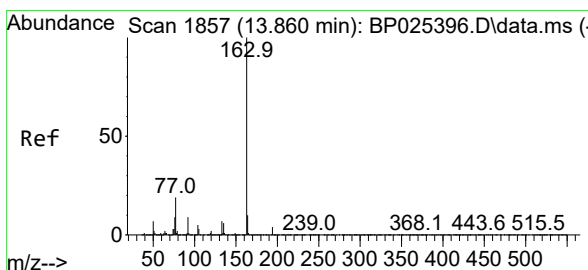
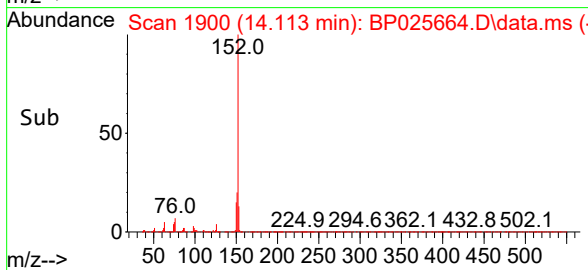
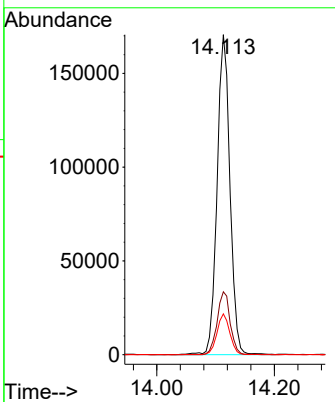
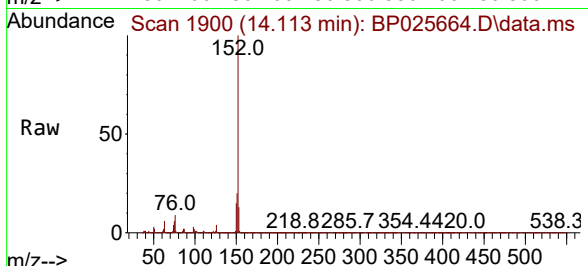




#49
 Acenaphthylene
 Concen: 7.107 ng
 RT: 14.113 min Scan# 1900
 Delta R.T. -0.012 min
 Lab File: BP025664.D
 Acq: 04 Sep 2025 17:33

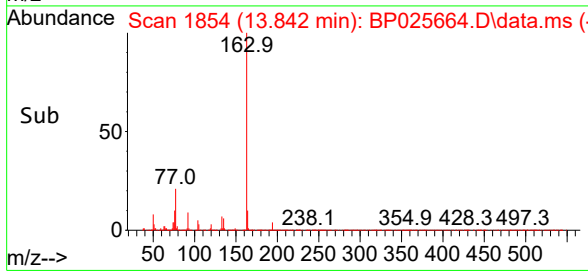
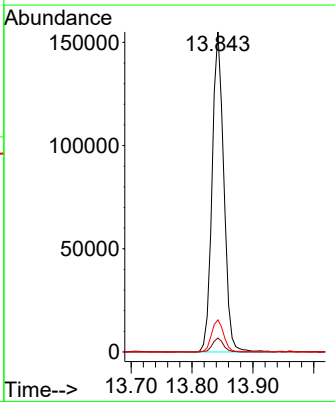
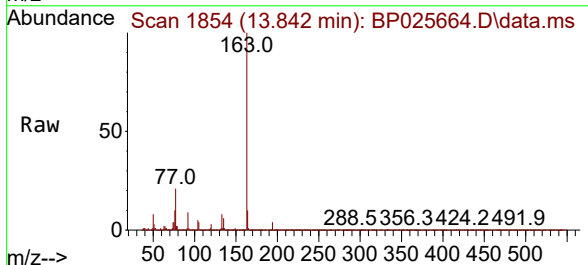
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

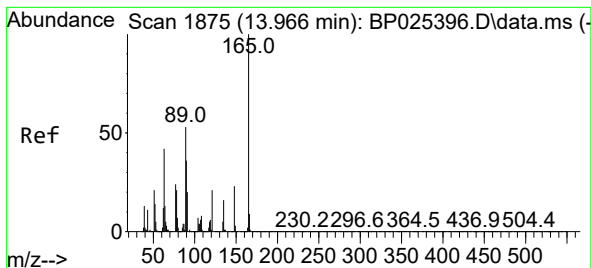
Tgt Ion:	152	Resp:	258301
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.0	24.0
153	12.8	10.6	15.8



#50
 Dimethylphthalate
 Concen: 7.249 ng
 RT: 13.842 min Scan# 1854
 Delta R.T. -0.018 min
 Lab File: BP025664.D
 Acq: 04 Sep 2025 17:33

Tgt Ion:	163	Resp:	206210
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9

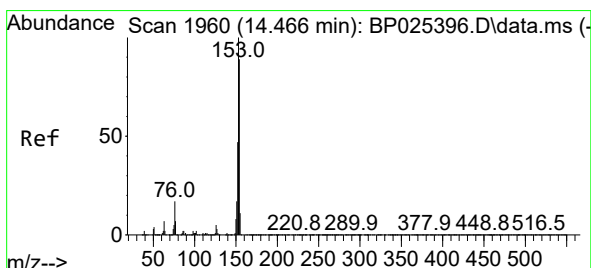
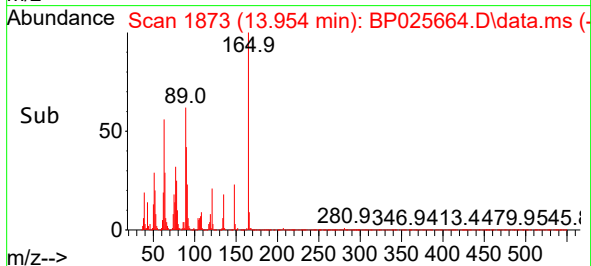
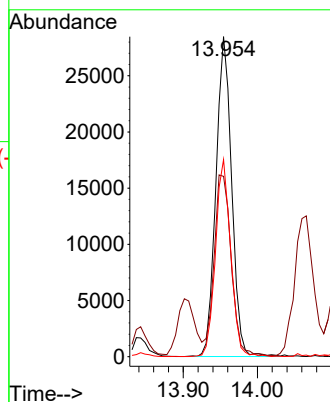
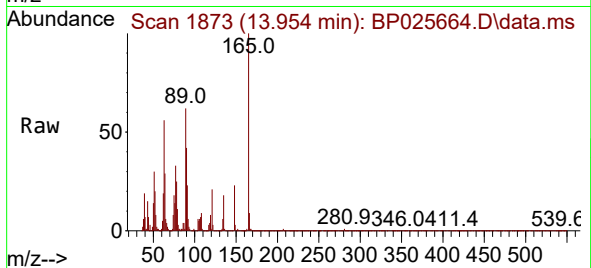




#51
2,6-Dinitrotoluene
Concen: 6.997 ng
RT: 13.954 min Scan# 1873
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

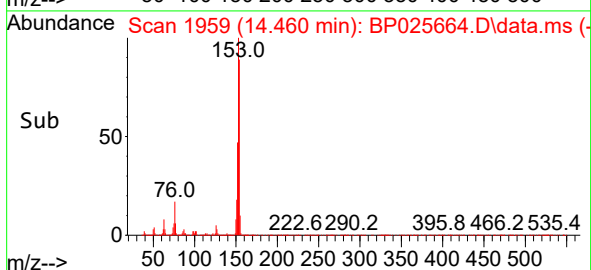
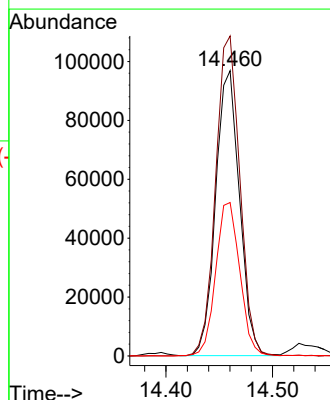
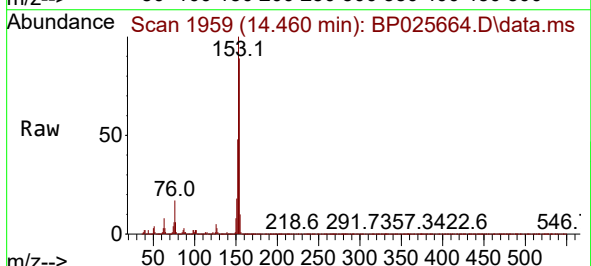
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

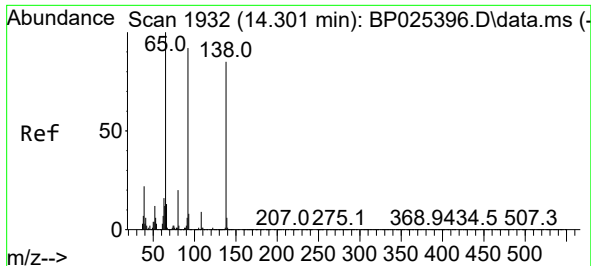
Tgt Ion:165 Resp: 41955
Ion Ratio Lower Upper
165 100
63 56.4 40.9 61.3
89 61.6 42.1 63.1



#52
Acenaphthene
Concen: 7.063 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:154 Resp: 150677
Ion Ratio Lower Upper
154 100
153 112.2 90.2 135.2
152 53.8 42.1 63.1

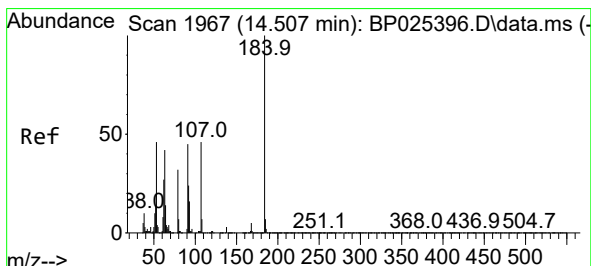
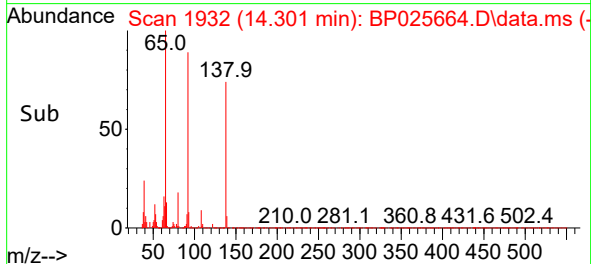
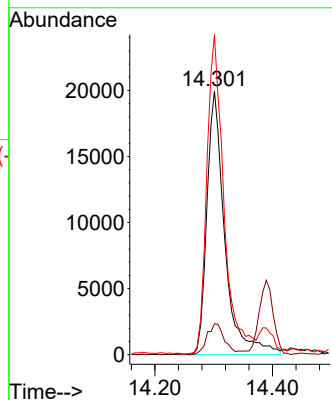
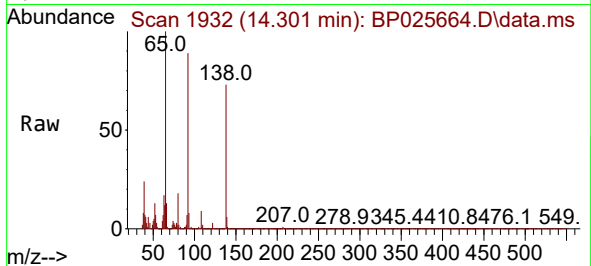




#53
3-Nitroaniline
Concen: 6.246 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

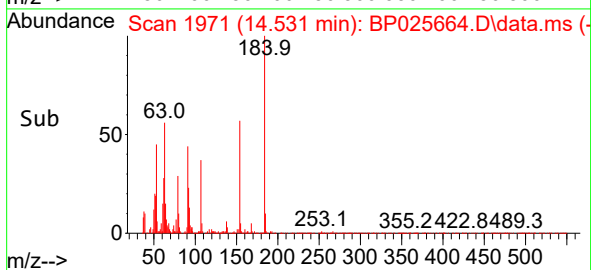
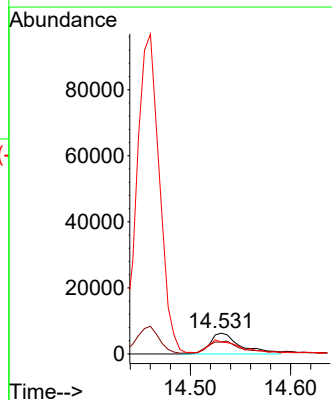
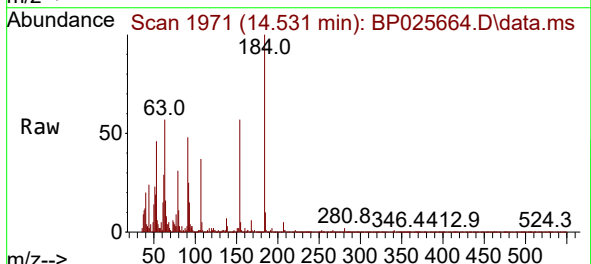
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

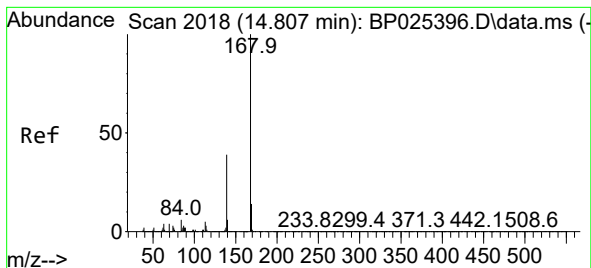
Tgt Ion:138 Resp: 42136
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 121.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 4.143 ng
RT: 14.531 min Scan# 1971
Delta R.T. 0.024 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:184 Resp: 13265
Ion Ratio Lower Upper
184 100
63 57.4 49.4 74.2
154 56.9 54.6 82.0





#55

Dibenzenofuran

Concen: 7.228 ng

RT: 14.795 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

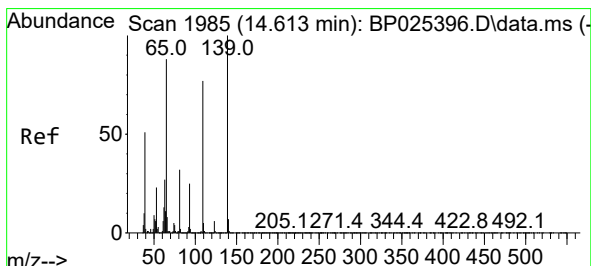
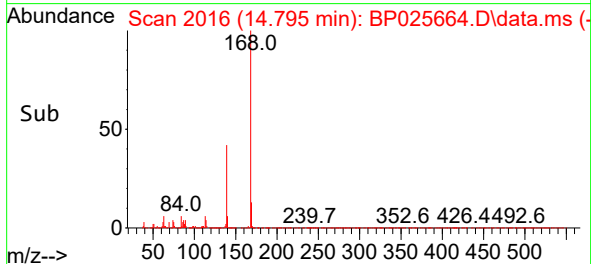
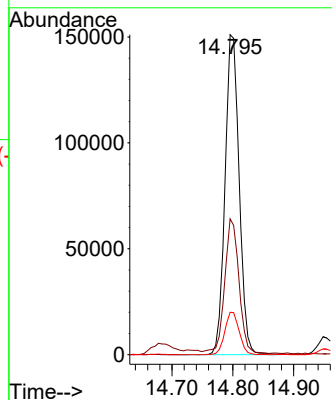
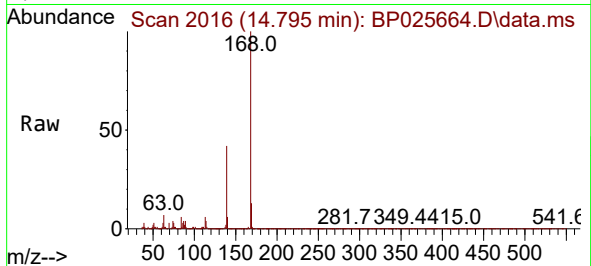
Tgt Ion:168 Resp: 243784

Ion Ratio Lower Upper

168 100

139 42.4 31.5 47.3

169 13.2 10.9 16.3



#56

4-Nitrophenol

Concen: 2.536 ng

RT: 14.678 min Scan# 1996

Delta R.T. 0.065 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

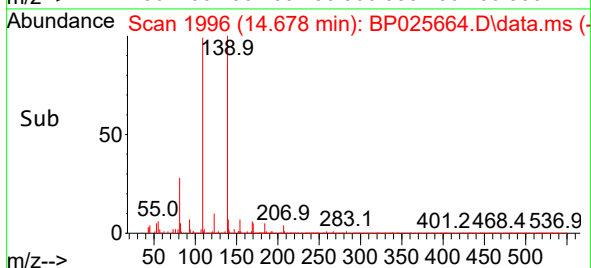
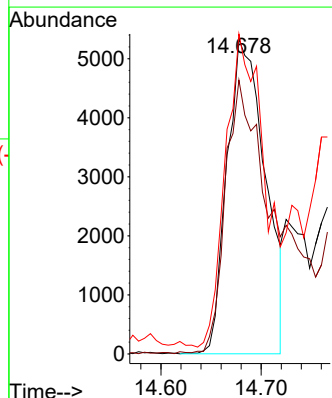
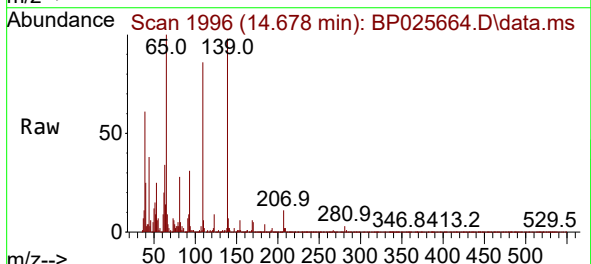
Tgt Ion:139 Resp: 14058

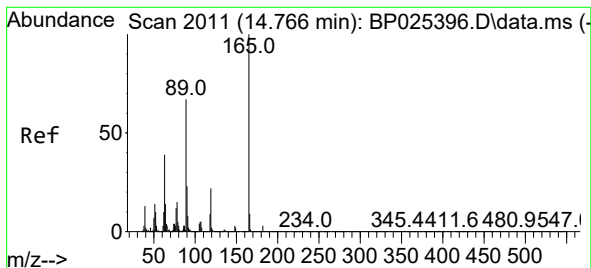
Ion Ratio Lower Upper

139 100

109 86.9 56.6 96.6

65 101.6 68.2 108.2

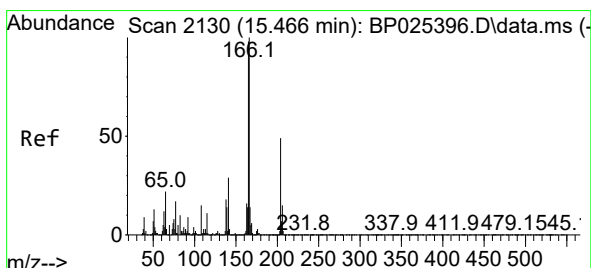
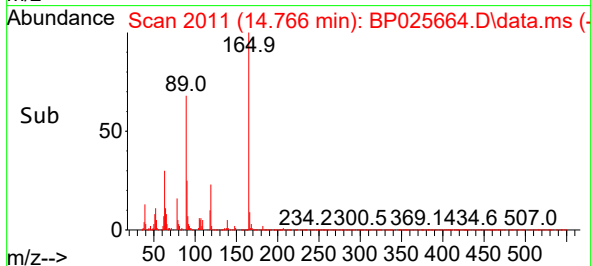
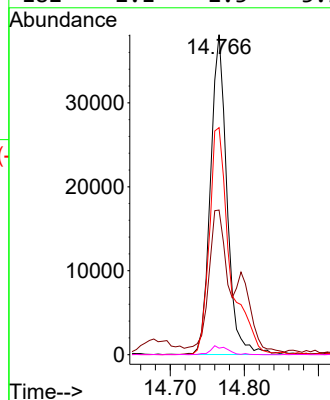
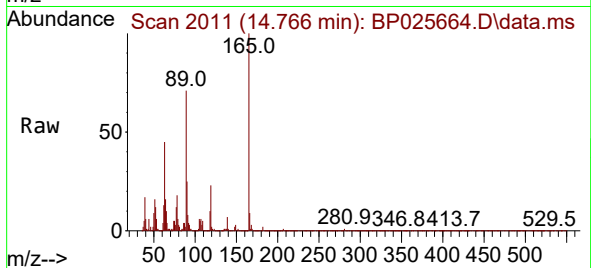




#57
2,4-Dinitrotoluene
Concen: 6.891 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

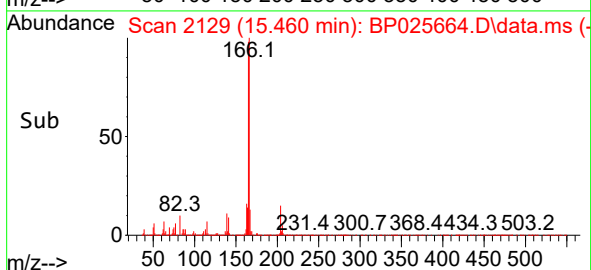
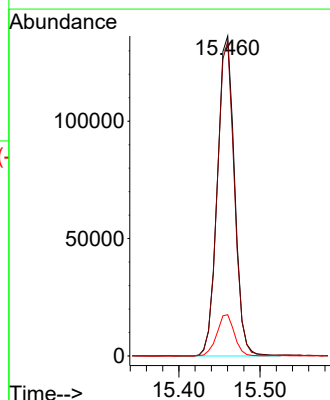
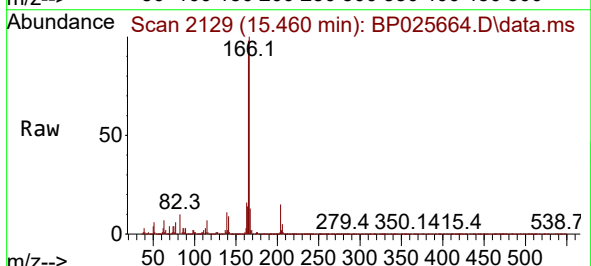
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

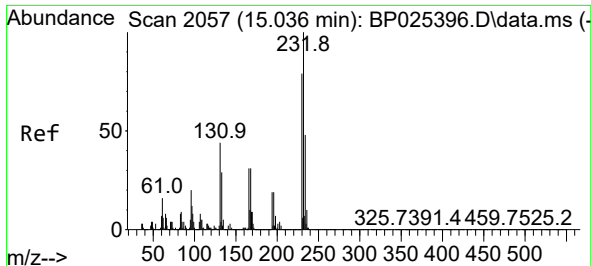
Tgt Ion:165 Resp: 58953
Ion Ratio Lower Upper
165 100
63 45.2 31.4 47.2
89 71.0 53.3 79.9
182 2.1 2.3 3.5#



#58
Fluorene
Concen: 7.542 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:166 Resp: 200705
Ion Ratio Lower Upper
166 100
165 98.4 78.8 118.2
167 12.9 11.0 16.4

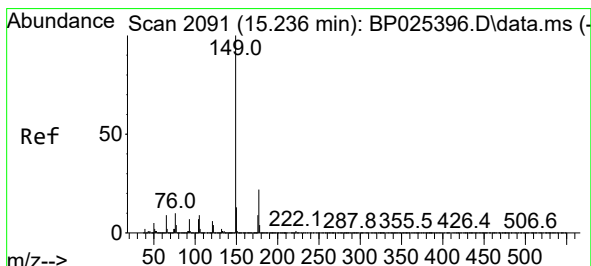
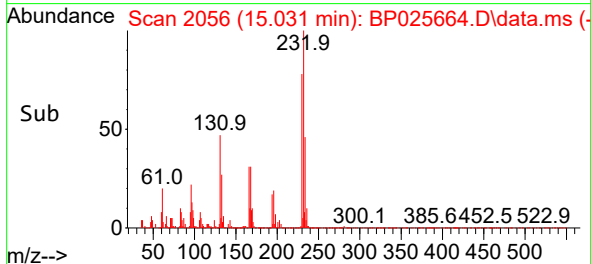
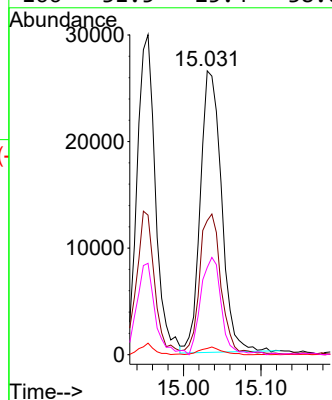
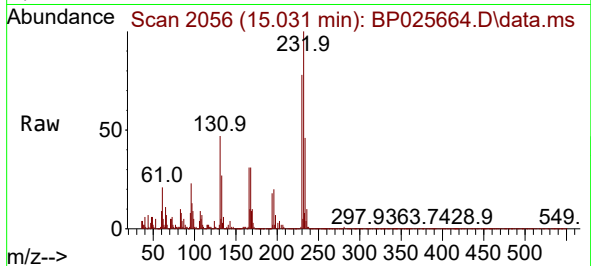




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.867 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

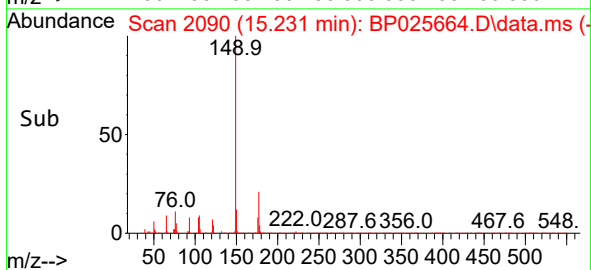
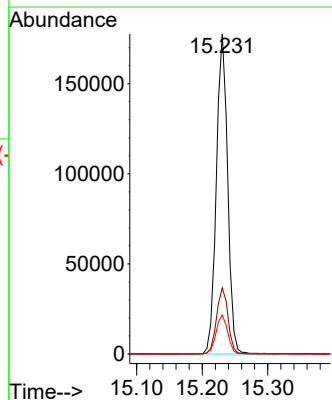
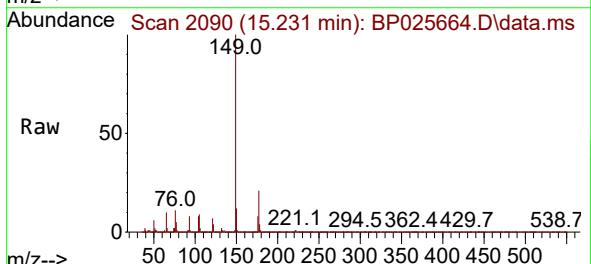
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

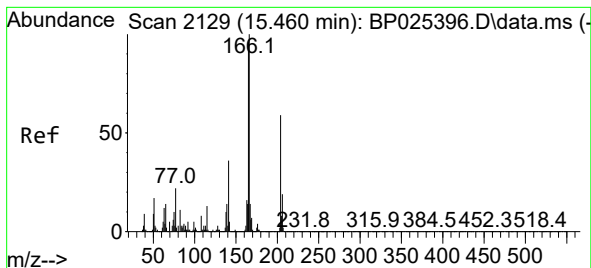
Tgt Ion:232	Resp:	50332
Ion Ratio	Lower	Upper
232	100	
131	50.3	37.0 55.6
130	2.7	1.9 2.9
166	31.5	25.4 38.0



#60
Diethylphthalate
Concen: 7.334 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:149	Resp:	211977
Ion Ratio	Lower	Upper
149	100	
177	20.6	17.3 25.9
150	12.2	10.3 15.5

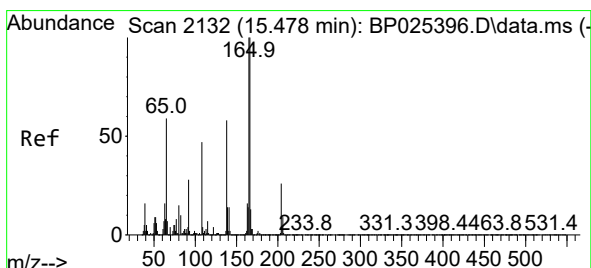
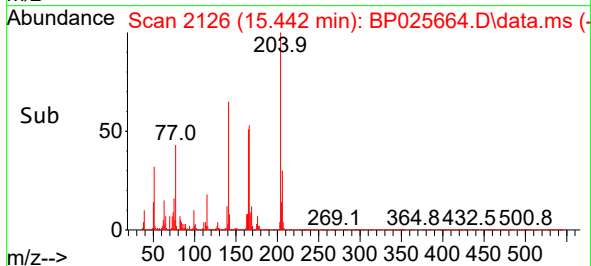
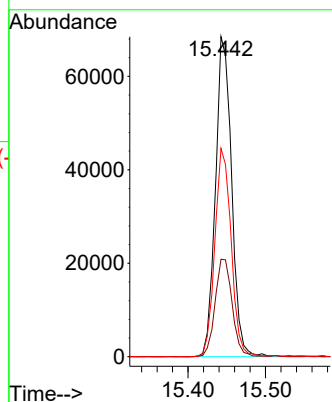
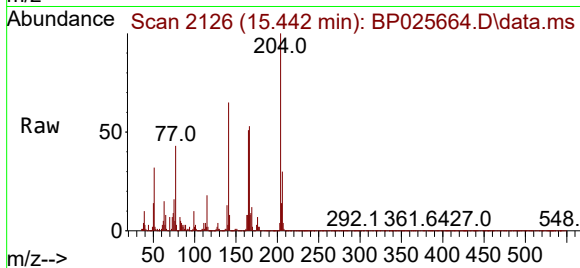




#61
4-Chlorophenyl-phenylether
Concen: 7.504 ng
RT: 15.442 min Scan# 2126
Delta R.T. -0.018 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

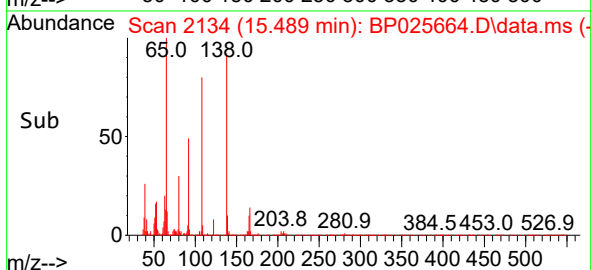
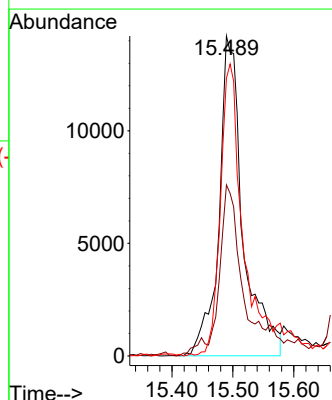
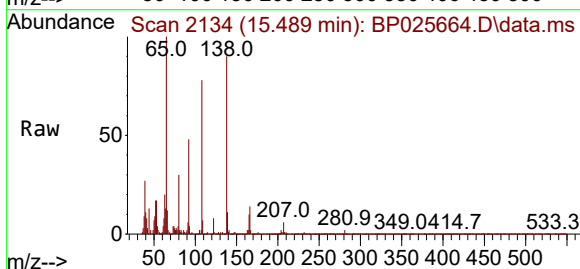
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

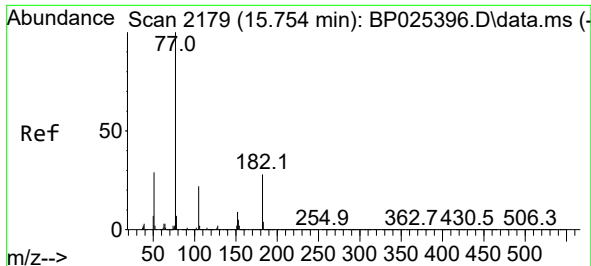
Tgt Ion:204 Resp: 99319
Ion Ratio Lower Upper
204 100
206 30.4 25.8 38.8
141 65.1 49.4 74.2



#62
4-Nitroaniline
Concen: 5.629 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:138 Resp: 38925
Ion Ratio Lower Upper
138 100
92 53.5 29.1 69.1
108 86.8 61.5 101.5

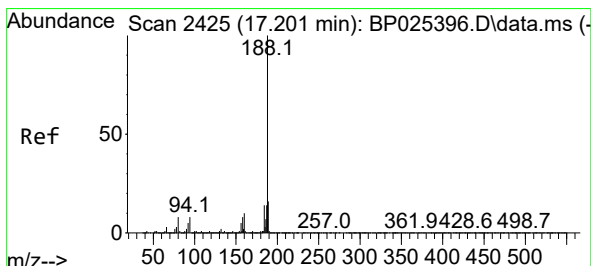
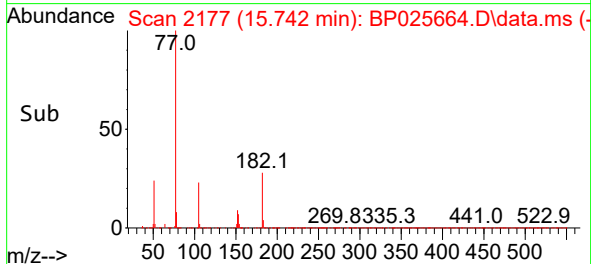
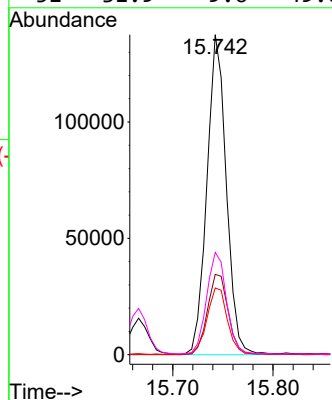
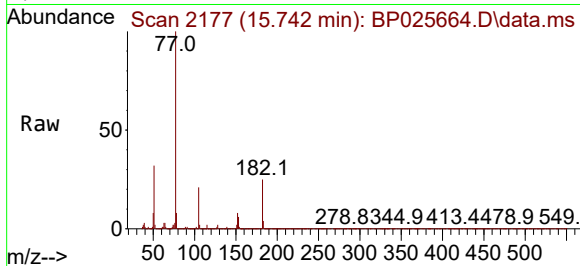




#63
Azobenzene
Concen: 7.498 ng
RT: 15.742 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

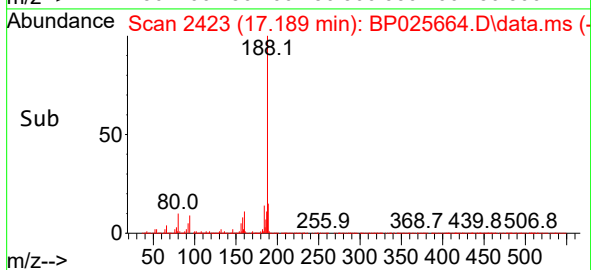
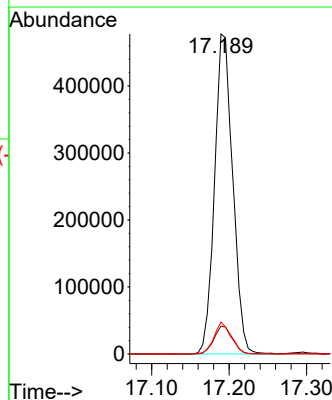
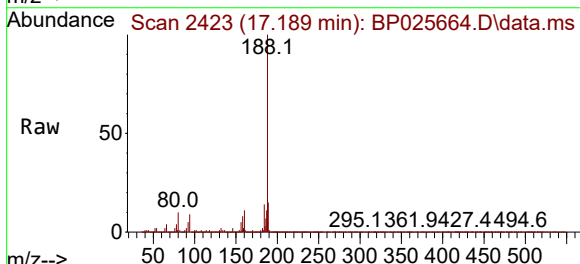
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

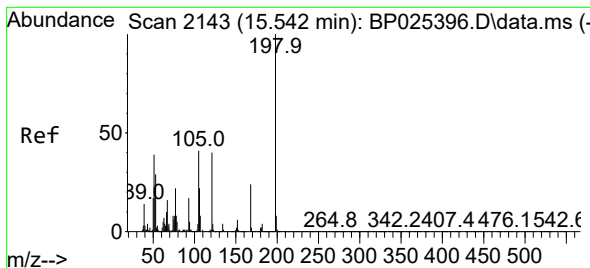
Tgt Ion: 77	Resp: 185580
Ion Ratio	Lower Upper
77 100	
182 25.1	7.5 47.5
105 20.9	2.1 42.1
51 31.9	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion: 188	Resp: 781005
Ion Ratio	Lower Upper
188 100	
94 8.7	6.6 10.0
80 9.9	6.7 10.1

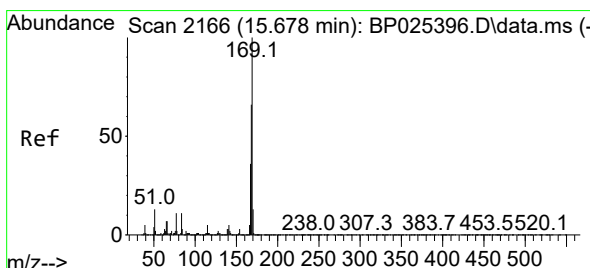
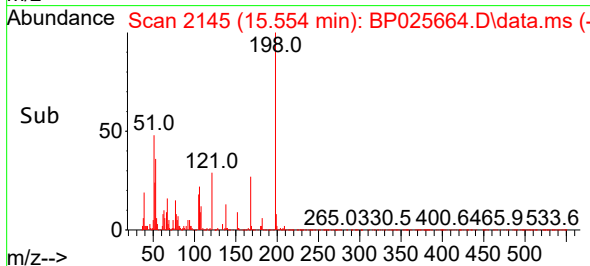
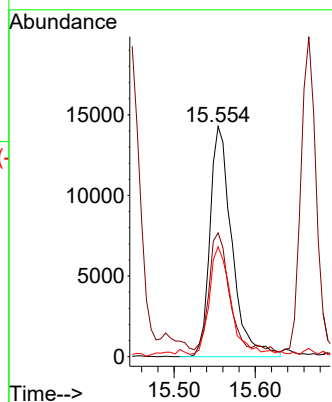
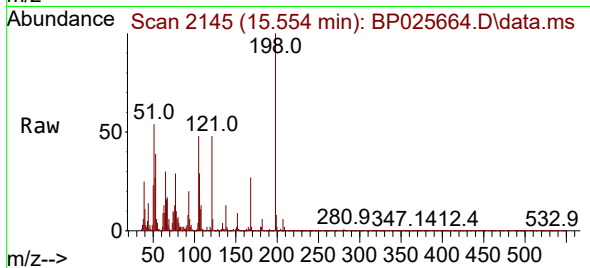




#65
4,6-Dinitro-2-methylphenol
Concen: 5.503 ng
RT: 15.554 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

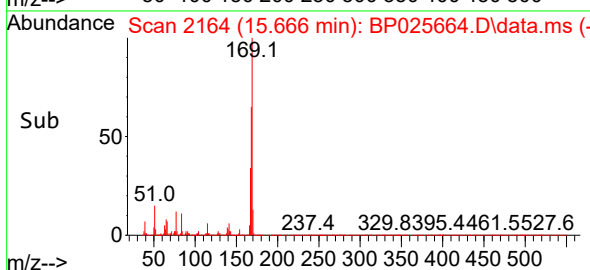
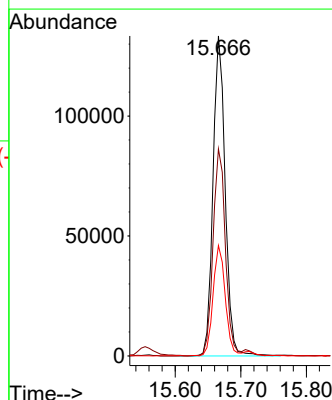
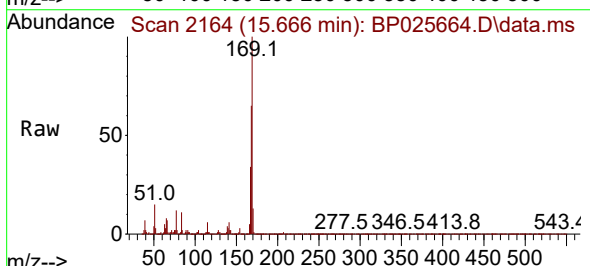
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

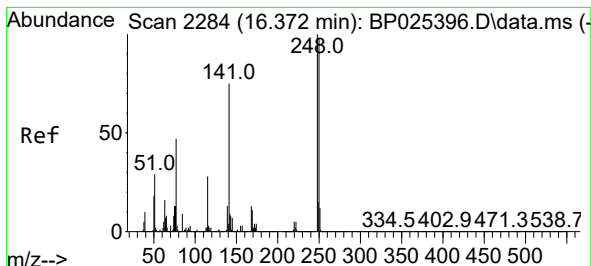
Tgt Ion:198 Resp: 26793
Ion Ratio Lower Upper
198 100
51 53.8 19.6 59.6
105 47.7 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 7.219 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:169 Resp: 171932
Ion Ratio Lower Upper
169 100
168 64.7 53.2 79.8
167 34.5 28.7 43.1

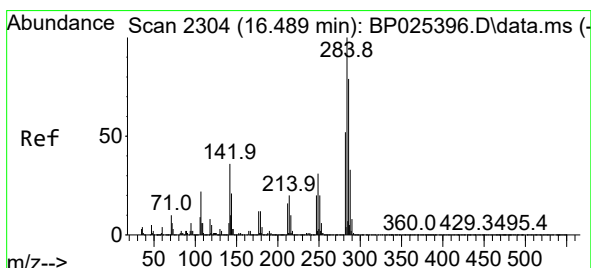
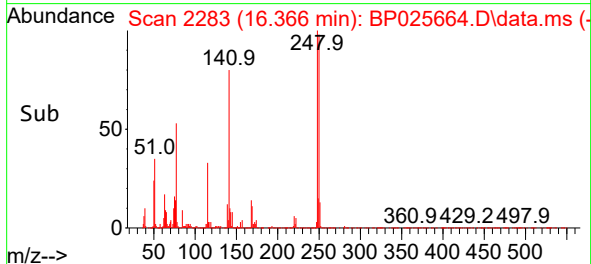
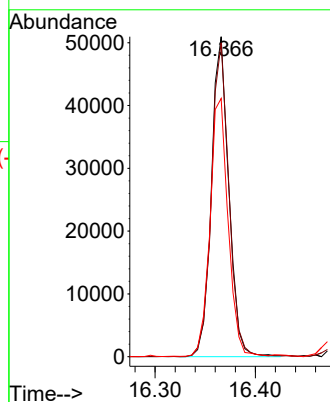
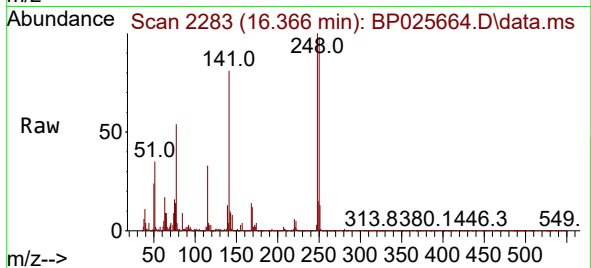




#67
4-Bromophenyl-phenylether
Concen: 7.148 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

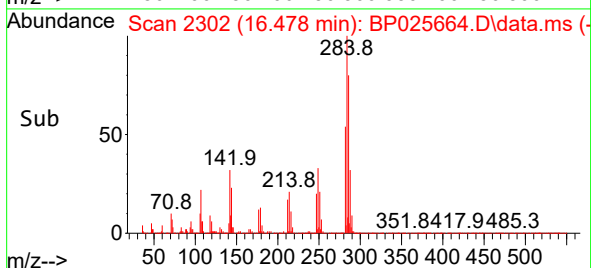
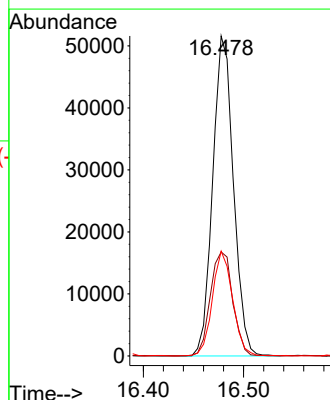
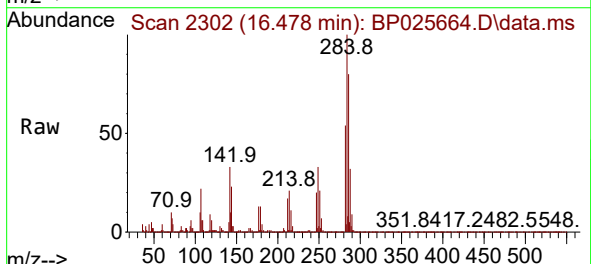
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

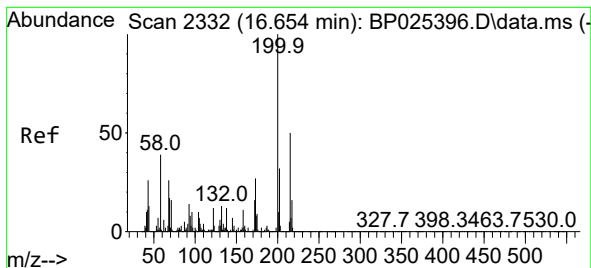
Tgt Ion:248 Resp: 61395
Ion Ratio Lower Upper
248 100
250 98.1 78.2 117.2
141 80.7 59.6 89.4



#68
Hexachlorobenzene
Concen: 7.437 ng
RT: 16.478 min Scan# 2302
Delta R.T. -0.012 min
Lab File: BP025664.D
Acq: 04 Sep 2025 17:33

Tgt Ion:284 Resp: 74051
Ion Ratio Lower Upper
284 100
142 32.5 29.1 43.7
249 32.8 25.0 37.4





#69

Atrazine

Concen: 6.950 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

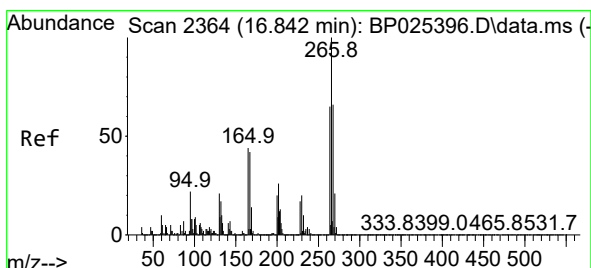
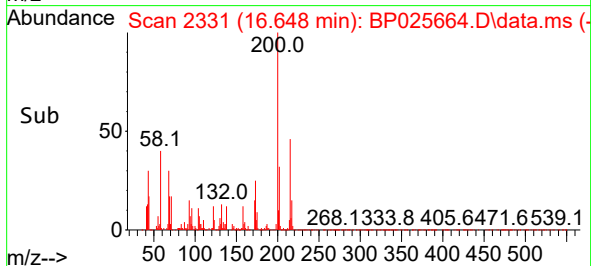
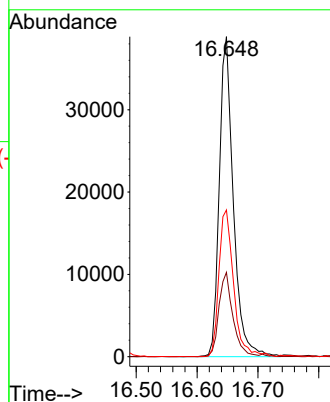
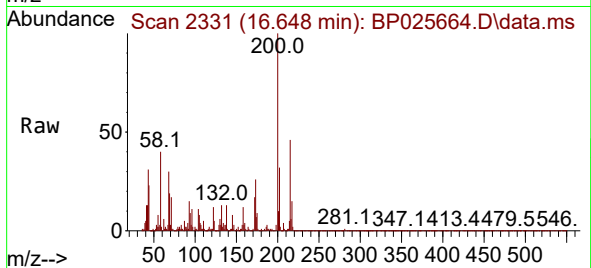
Tgt Ion:200 Resp: 61986

Ion Ratio Lower Upper

200 100

173 26.4 6.7 46.7

215 45.9 29.7 69.7



#70

Pentachlorophenol

Concen: 6.054 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

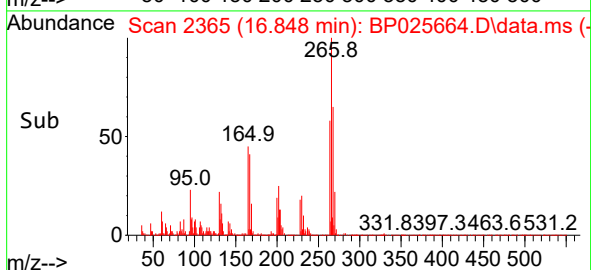
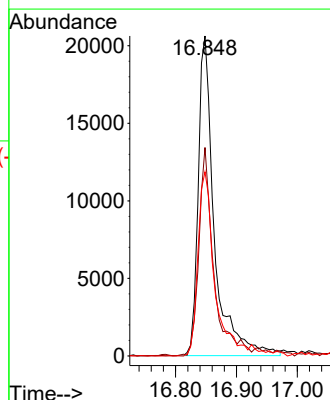
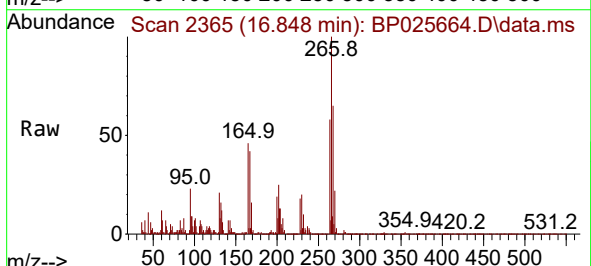
Tgt Ion:266 Resp: 38054

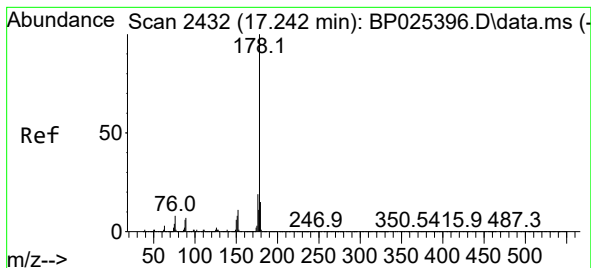
Ion Ratio Lower Upper

266 100

268 70.0 52.6 79.0

264 57.6 52.0 78.0





#71

Phenanthrene

Concen: 7.432 ng

RT: 17.236 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

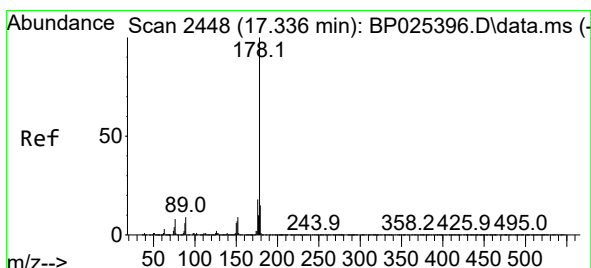
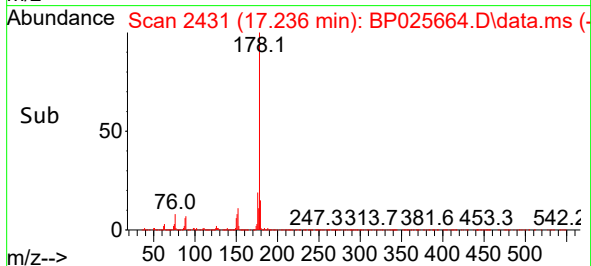
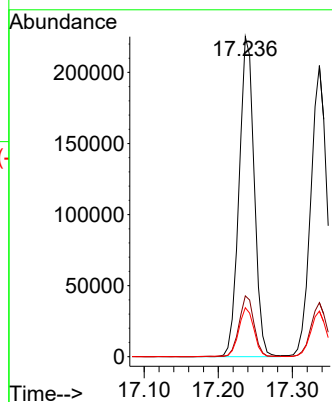
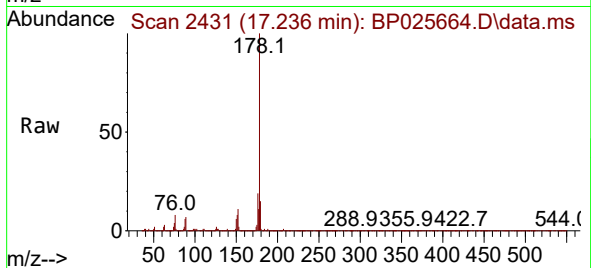
Tgt Ion:178 Resp: 318846

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.3 12.2 18.4



#72

Anthracene

Concen: 7.109 ng

RT: 17.336 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

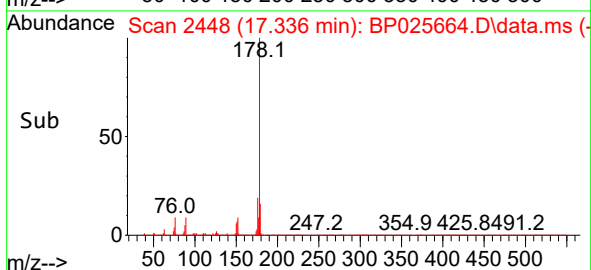
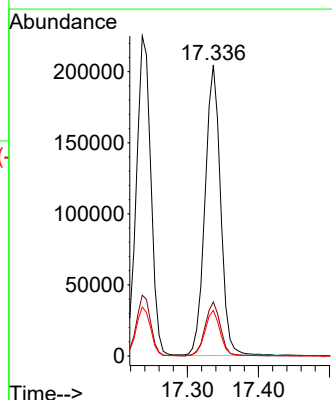
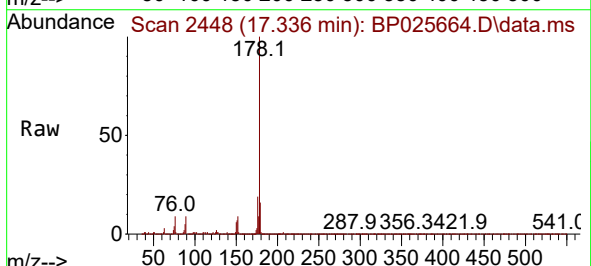
Tgt Ion:178 Resp: 311476

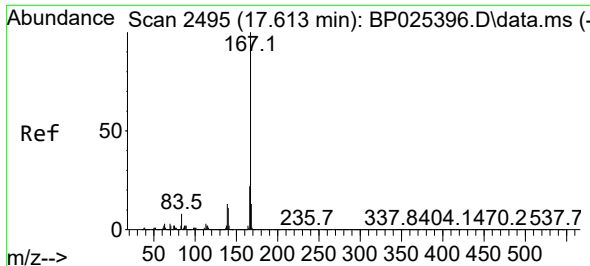
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.7 12.2 18.2

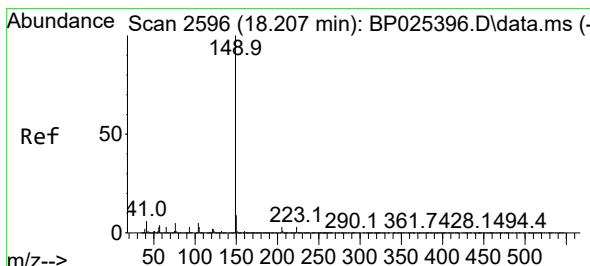
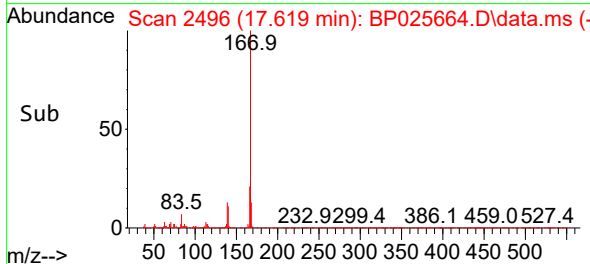
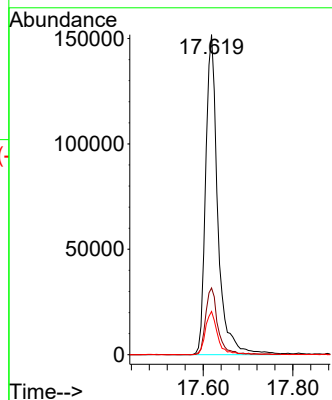
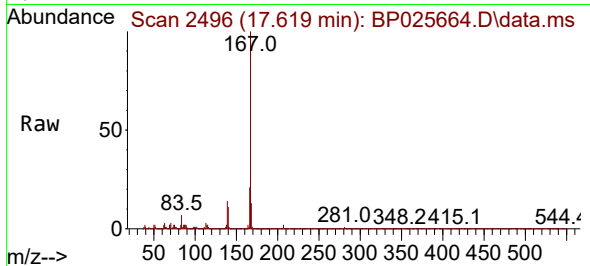




#73
 Carbazole
 Concen: 6.905 ng
 RT: 17.619 min Scan# 2496
 Delta R.T. 0.006 min
 Lab File: BP025664.D
 Acq: 04 Sep 2025 17:33

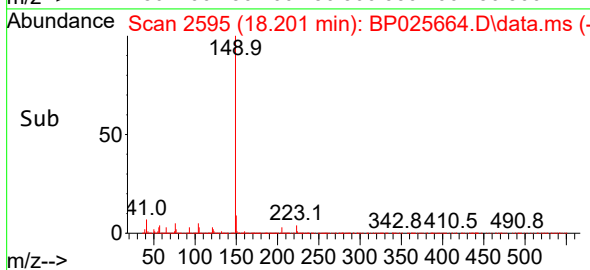
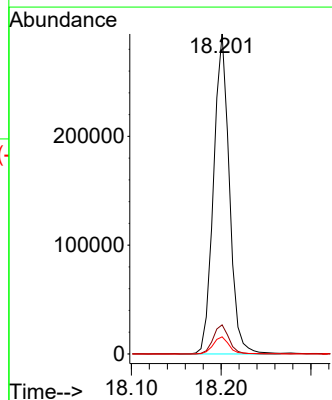
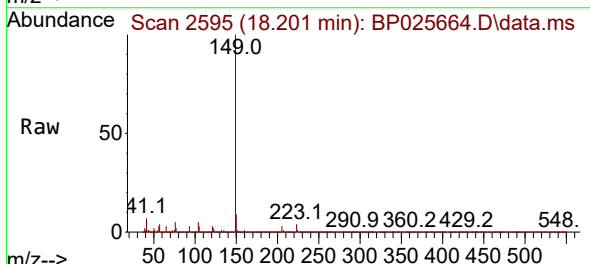
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

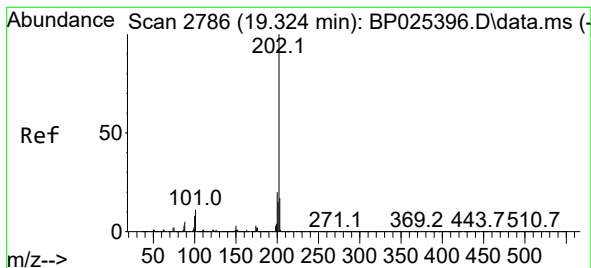
Tgt Ion:167 Resp: 284968
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.5 26.3
 139 13.5 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 7.080 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025664.D
 Acq: 04 Sep 2025 17:33

Tgt Ion:149 Resp: 359478
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.4 4.2 6.2





#75

Fluoranthene

Concen: 7.175 ng

RT: 19.330 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

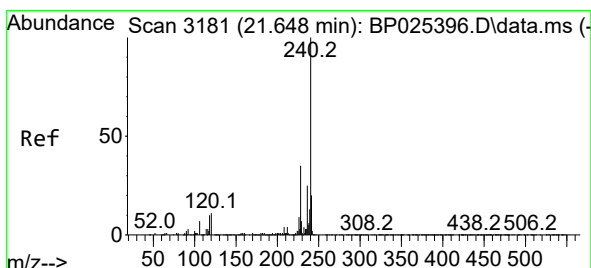
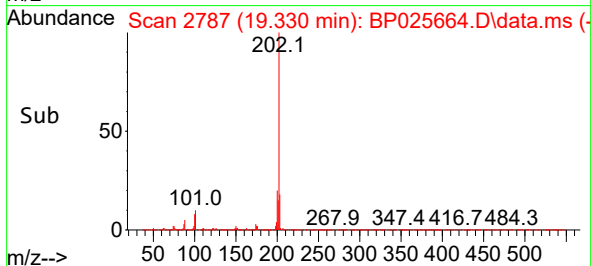
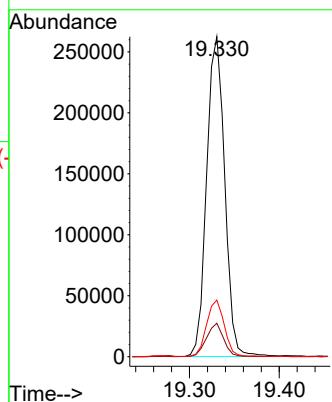
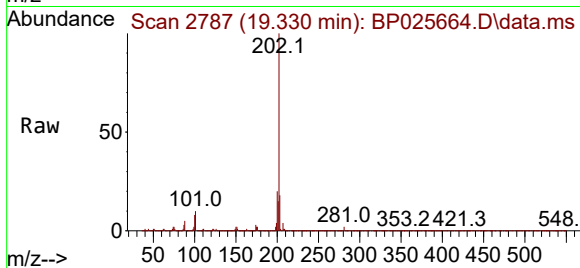
Tgt Ion:202 Resp: 367202

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

203 17.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

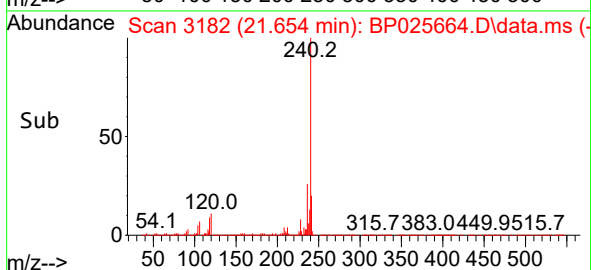
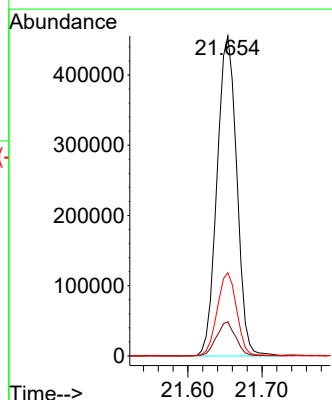
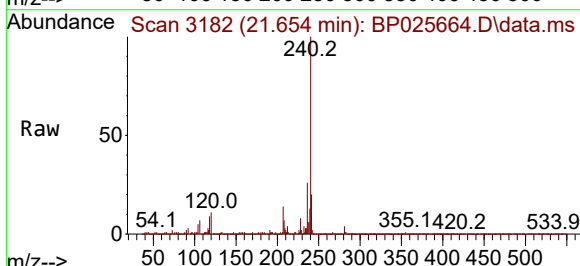
Tgt Ion:240 Resp: 842715

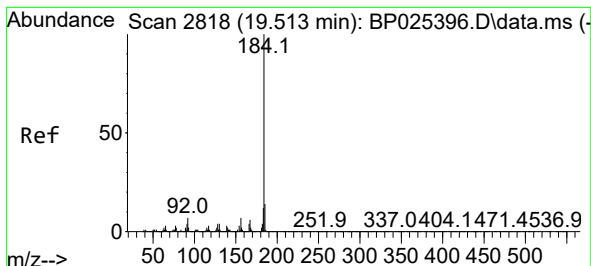
Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

236 26.0 19.8 29.8





#77

Benzidine

Concen: 6.451 ng

RT: 19.530 min Scan# 2818

Delta R.T. 0.018 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

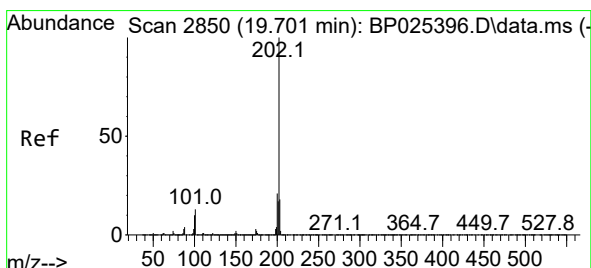
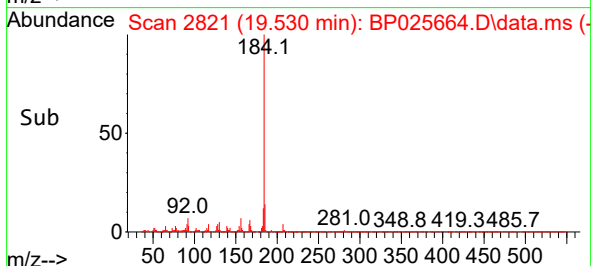
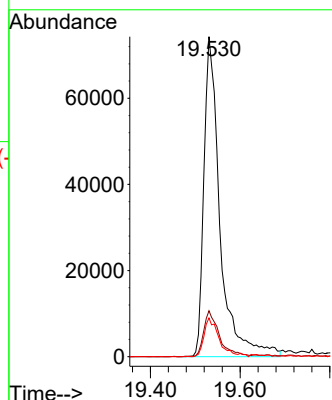
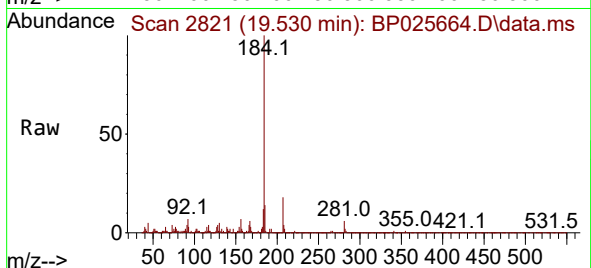
Tgt Ion:184 Resp: 185545

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 12.1 9.4 14.2



#78

Pyrene

Concen: 6.990 ng

RT: 19.707 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

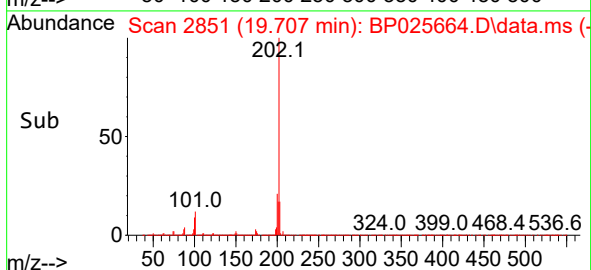
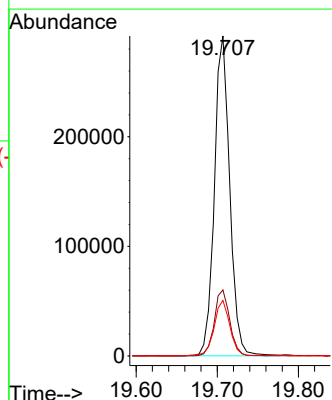
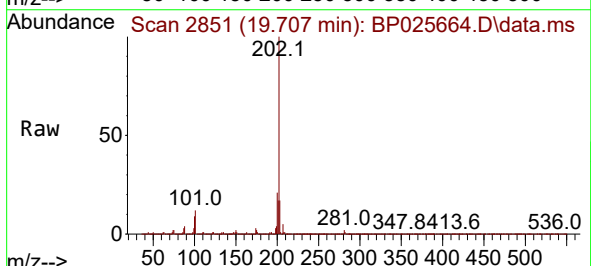
Tgt Ion:202 Resp: 382859

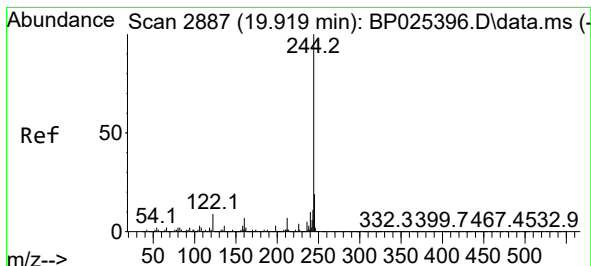
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 74.952 ng

RT: 19.919 min Scan# 2

Delta R.T. 0.000 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

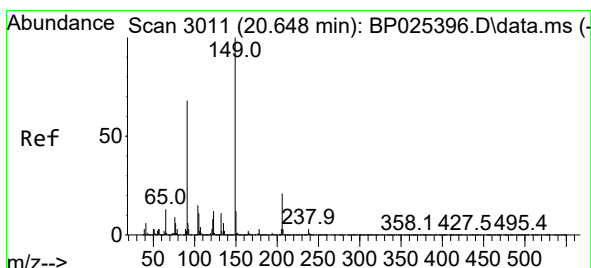
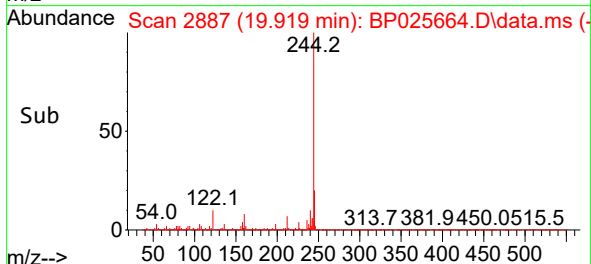
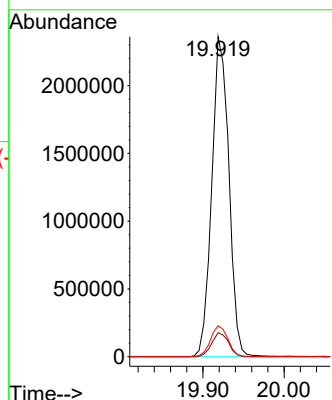
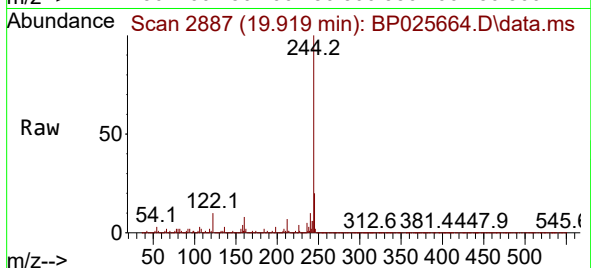
Tgt Ion:244 Resp: 3452329

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.7 7.4 11.2



#80

Butylbenzylphthalate

Concen: 6.586 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

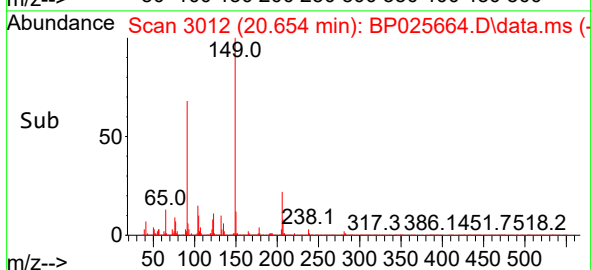
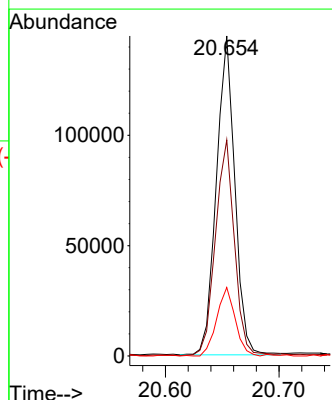
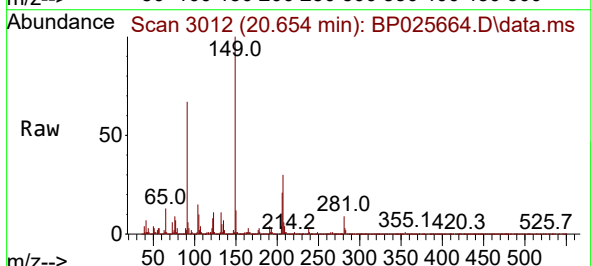
Tgt Ion:149 Resp: 163499

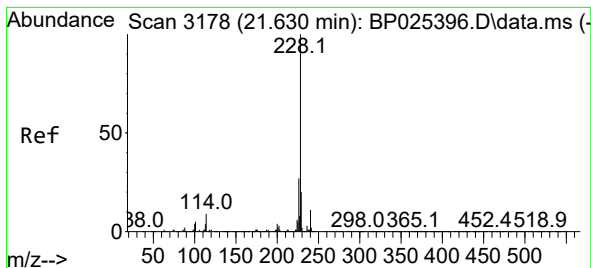
Ion Ratio Lower Upper

149 100

91 67.5 54.2 81.2

206 21.4 16.6 24.8





#81

Benzo(a)anthracene

Concen: 7.108 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

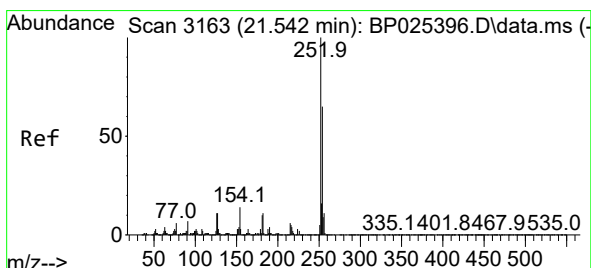
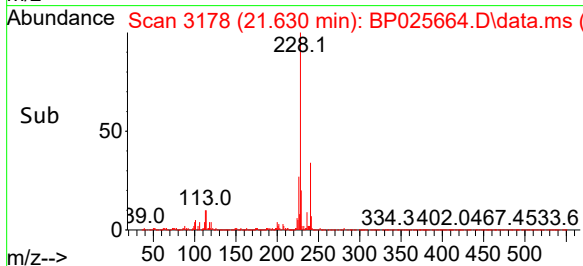
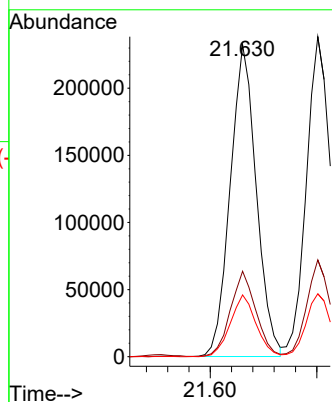
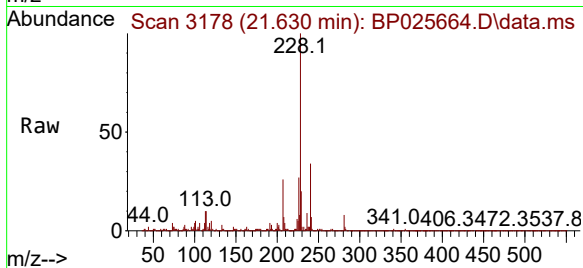
Tgt Ion:228 Resp: 395063

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 6.447 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

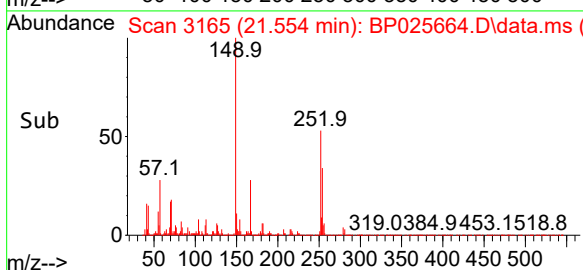
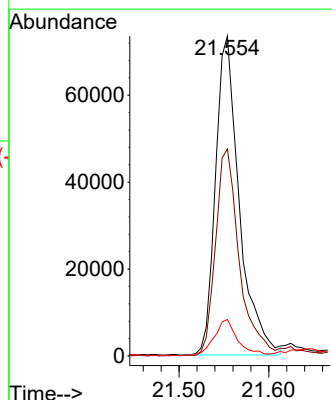
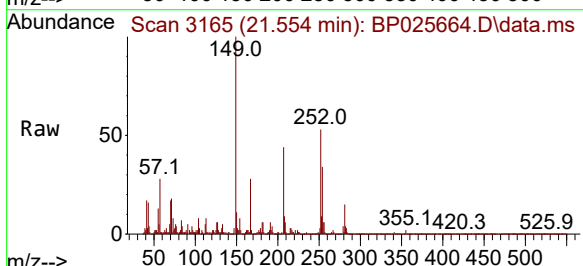
Tgt Ion:252 Resp: 135050

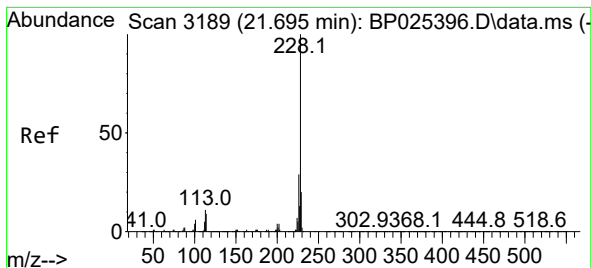
Ion Ratio Lower Upper

252 100

254 64.7 51.8 77.6

126 11.4 9.1 13.7





#83

Chrysene

Concen: 7.272 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

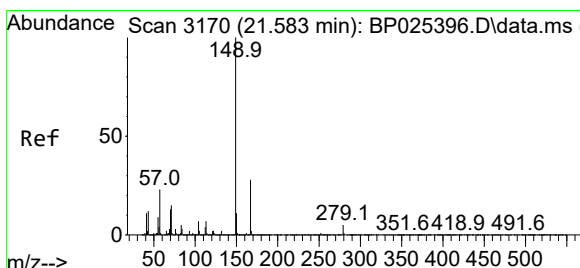
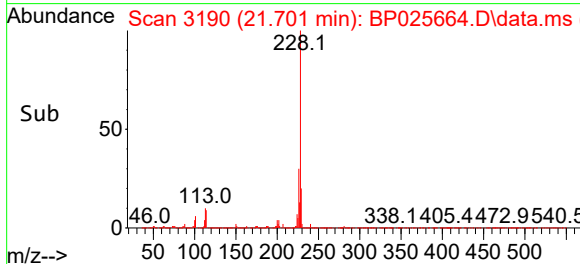
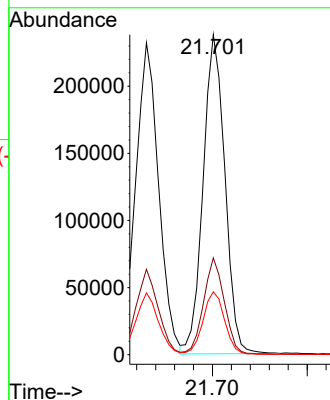
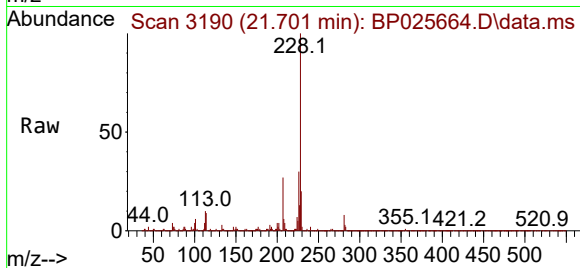
Tgt Ion:228 Resp: 378516

Ion Ratio Lower Upper

228 100

226 30.3 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.772 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

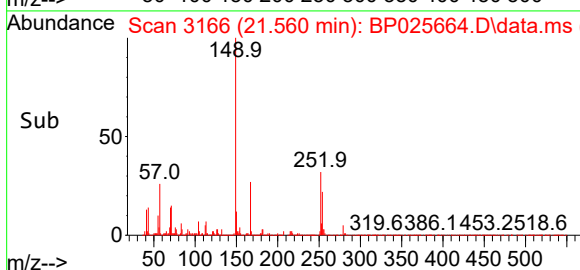
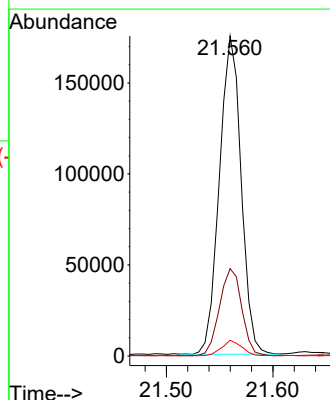
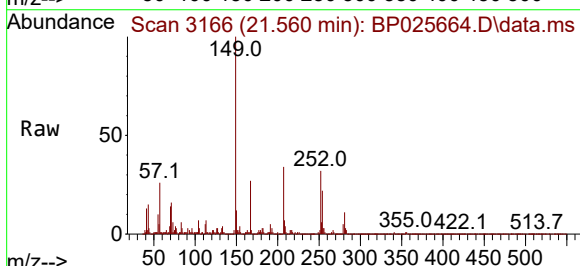
Tgt Ion:149 Resp: 247452

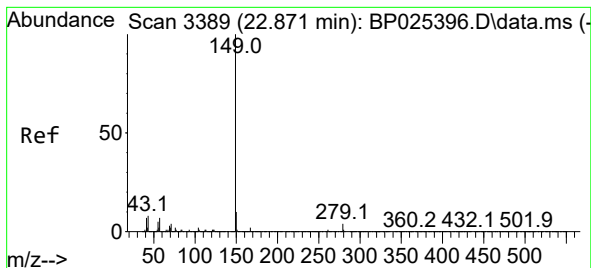
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 6.697 ng

RT: 22.854 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

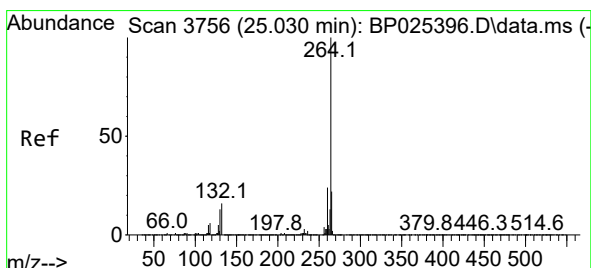
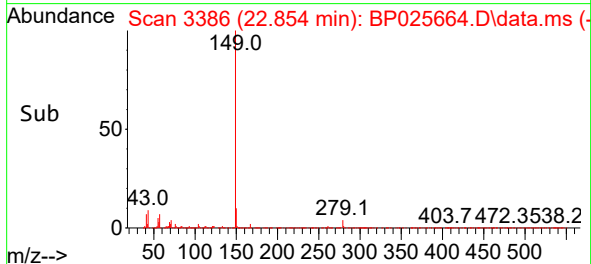
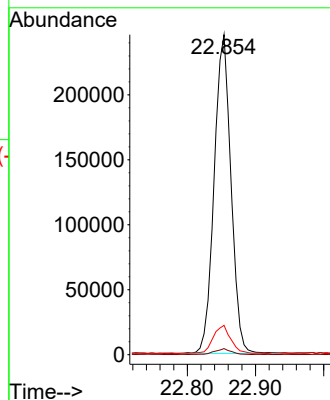
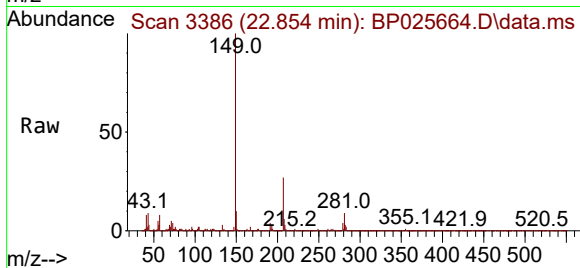
Tgt Ion:149 Resp: 420927

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 9.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

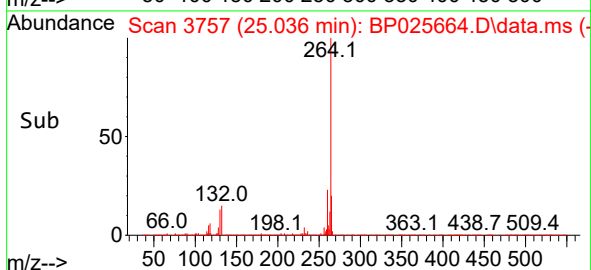
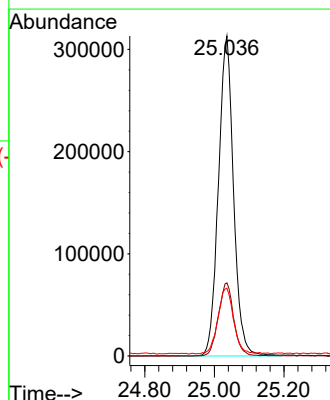
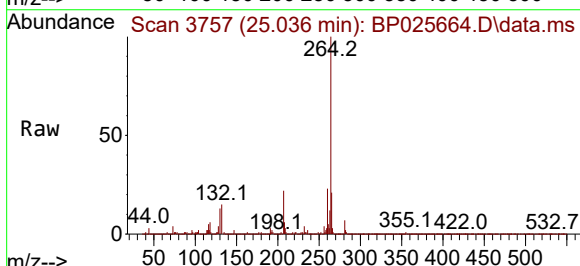
Tgt Ion:264 Resp: 946093

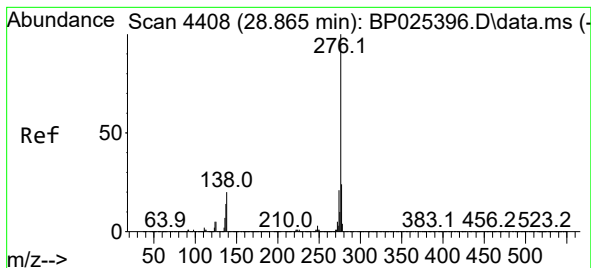
Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.803 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

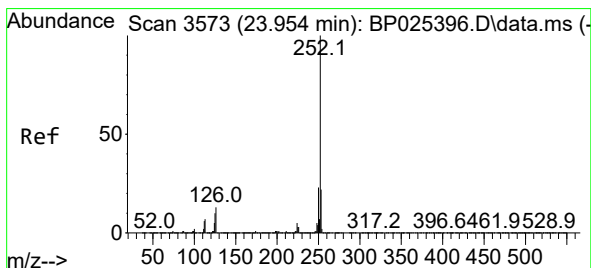
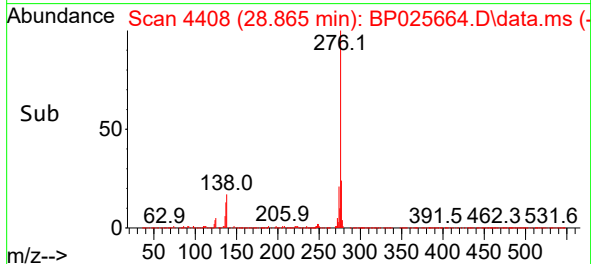
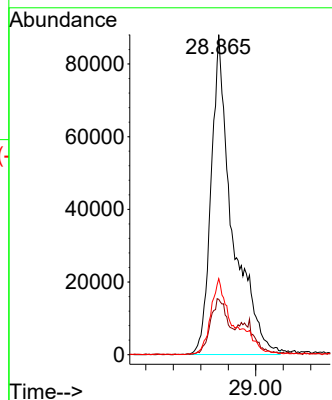
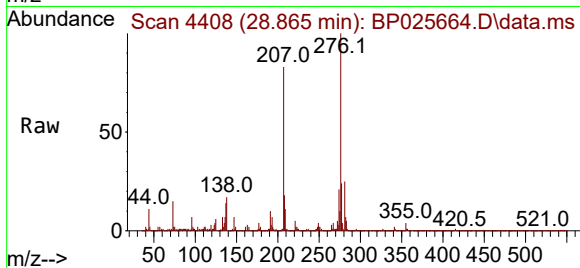
Tgt Ion:276 Resp: 471982

Ion Ratio Lower Upper

276 100

138 14.9 12.9 19.3

277 25.8 17.0 25.6#



#88

Benzo(b)fluoranthene

Concen: 7.087 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

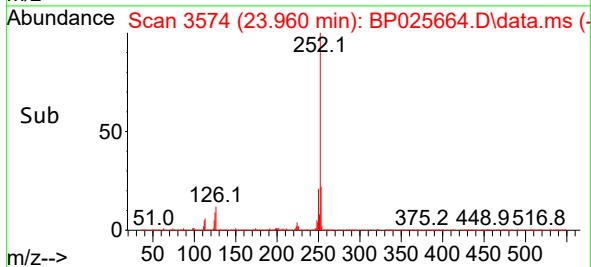
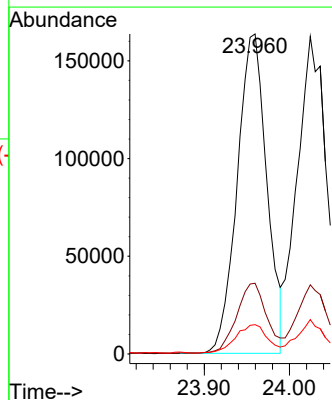
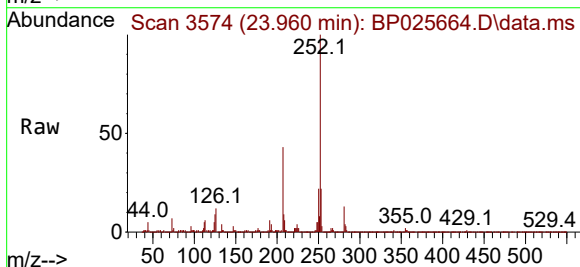
Tgt Ion:252 Resp: 395388

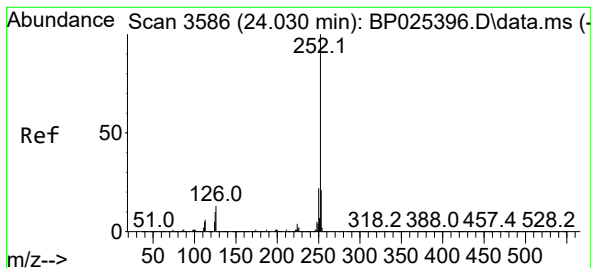
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 7.097 ng

RT: 24.024 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

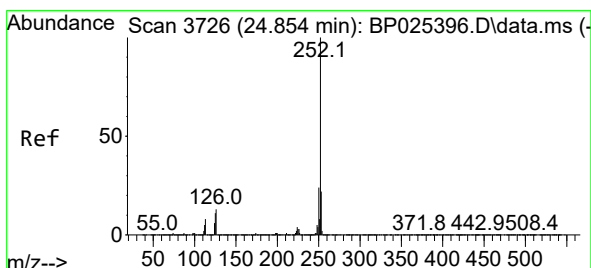
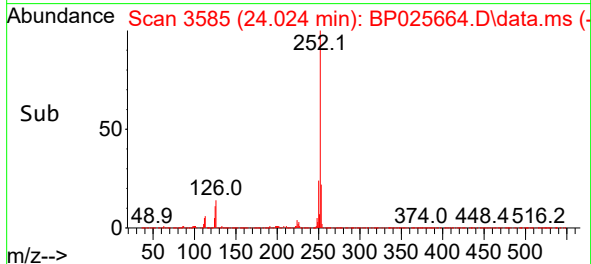
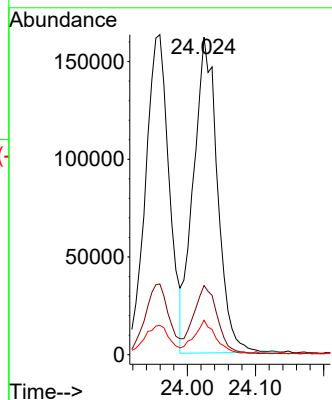
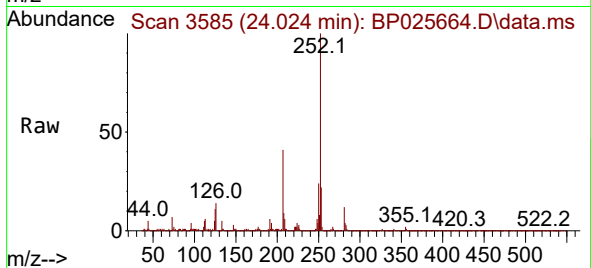
Tgt Ion:252 Resp: 396182

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 10.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 6.792 ng

RT: 24.860 min Scan# 3727

Delta R.T. 0.006 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

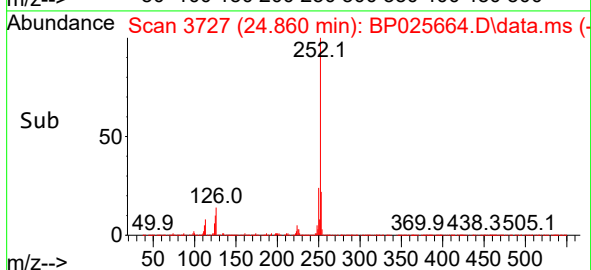
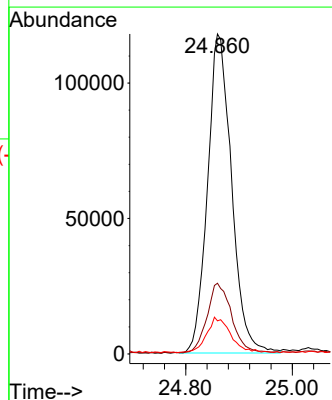
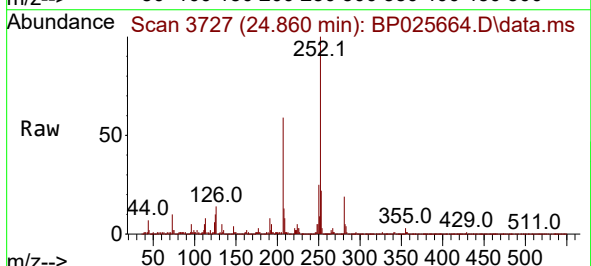
Tgt Ion:252 Resp: 368835

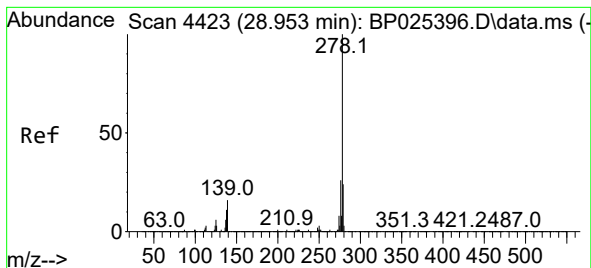
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 6.694 ng

RT: 28.965 min Scan# 4423

Delta R.T. 0.012 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

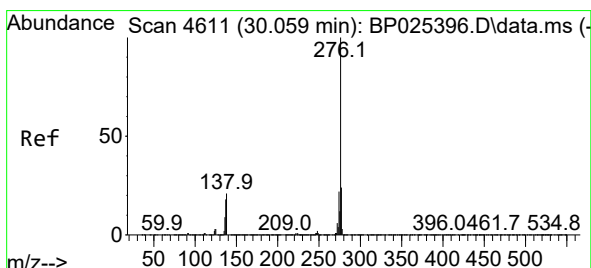
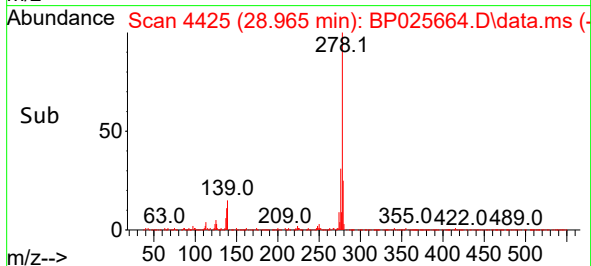
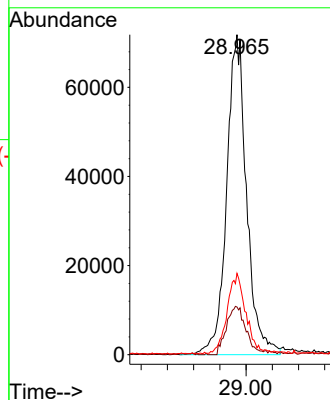
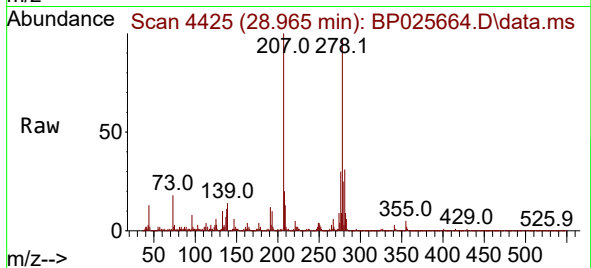
Tgt Ion:278 Resp: 379533

Ion Ratio Lower Upper

278 100

139 14.9 13.0 19.4

279 25.4 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 6.689 ng

RT: 30.048 min Scan# 4609

Delta R.T. -0.012 min

Lab File: BP025664.D

Acq: 04 Sep 2025 17:33

Tgt Ion:276 Resp: 372799

Ion Ratio Lower Upper

276 100

277 25.3 19.4 29.0

138 20.7 16.7 25.1

