

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025100.D
 Acq On : 11 Jul 2025 11:50
 Operator : CG/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 12:15:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	424819	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1718378	20.000	ng	0.00
39) Acenaphthene-d10	14.077	164	1140655	20.000	ng	-0.01
64) Phenanthrene-d10	16.895	188	2380212	20.000	ng	-0.01
76) Chrysene-d12	21.324	240	2671410	20.000	ng	-0.02
86) Perylene-d12	24.453	264	2913884	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2750143	114.704	ng	0.00
7) Phenol-d6	6.625	99	3470238	110.912	ng	0.00
23) Nitrobenzene-d5	8.566	82	2204788	85.330	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1870299	138.798	ng	-0.01
45) 2-Fluorobiphenyl	12.689	172	5977891	81.188	ng	0.00
79) Terphenyl-d14	19.665	244	10449207	85.966	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.125	88	41487	4.450	ng	99
3) Pyridine	3.496	79	106213	4.161	ng	96
4) n-Nitrosodimethylamine	3.407	42	40924	3.787	ng	# 88
6) Aniline	6.778	93	167318	5.724	ng	98
8) 2-Chlorophenol	7.007	128	119056	4.438	ng	97
9) Benzaldehyde	6.596	77	98161	6.007	ng	95
10) Phenol	6.654	94	133871	4.211	ng	97
11) bis(2-Chloroethyl)ether	6.878	93	102678	4.197	ng	100
12) 1,3-Dichlorobenzene	7.331	146	131374	4.376	ng	98
13) 1,4-Dichlorobenzene	7.472	146	137079	4.510	ng	98
14) 1,2-Dichlorobenzene	7.778	146	131926	4.512	ng	100
15) Benzyl Alcohol	7.666	79	87448	4.188	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.960	45	133607	4.200	ng	96
17) 2-Methylphenol	7.872	107	87651	4.280	ng	97
18) Hexachloroethane	8.495	117	44825	4.527	ng	97
19) n-Nitroso-di-n-propyla...	8.231	70	79293	4.273	ng	98
20) 3+4-Methylphenols	8.190	107	117740	4.105	ng	97
22) Acetophenone	8.237	105	177026	4.356	ng	98
24) Nitrobenzene	8.601	77	125571	4.771	ng	100
25) Isophorone	9.131	82	219881	4.554	ng	97
26) 2-Nitrophenol	9.301	139	49782	6.931	ng	95
27) 2,4-Dimethylphenol	9.378	122	104243	5.787	ng	97
28) bis(2-Chloroethoxy)met...	9.613	93	140310	4.279	ng	99
29) 2,4-Dichlorophenol	9.831	162	102827	4.117	ng	96
30) 1,2,4-Trichlorobenzene	10.048	180	122652	4.434	ng	99
31) Naphthalene	10.225	128	369827	4.180	ng	99
32) Benzoic acid	9.425	122	45214	8.391	ng	95
33) 4-Chloroaniline	10.336	127	157108	4.758	ng	99
34) Hexachlorobutadiene	10.531	225	72574	4.572	ng	98
35) Caprolactam	11.078	113	34222	4.005	ng	96
36) 4-Chloro-3-methylphenol	11.472	107	101905	3.904	ng	99
37) 2-Methylnaphthalene	11.860	142	235888	3.778	ng	98
38) 1-Methylnaphthalene	12.078	142	253699	4.167	ng	100
40) 1,2,4,5-Tetrachloroben...	12.236	216	139768	4.264	ng	100
41) Hexachlorocyclopentadiene	12.231	237	55424	6.473	ng	98
43) 2,4,6-Trichlorophenol	12.483	196	83596	4.211	ng	96

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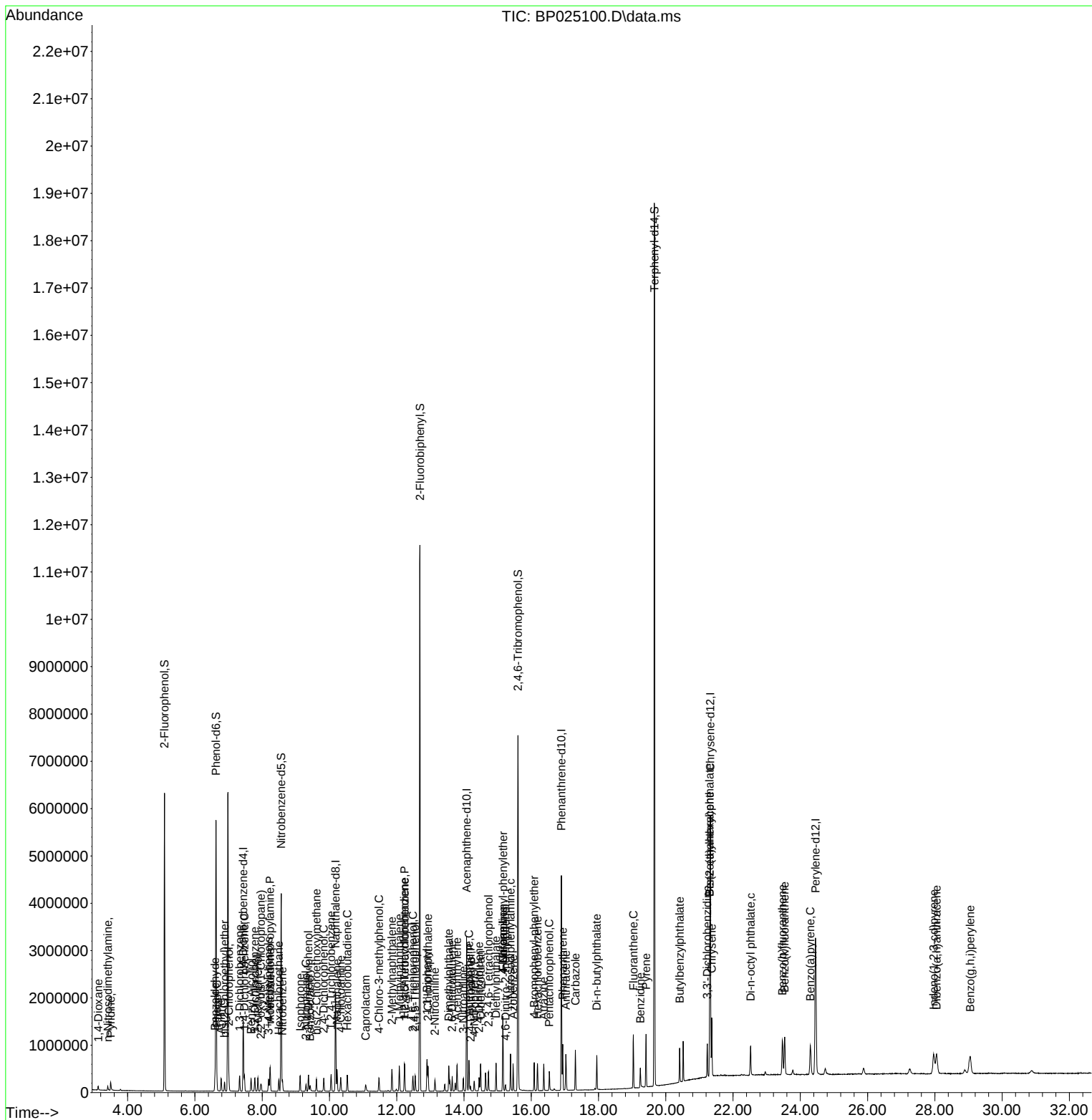
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

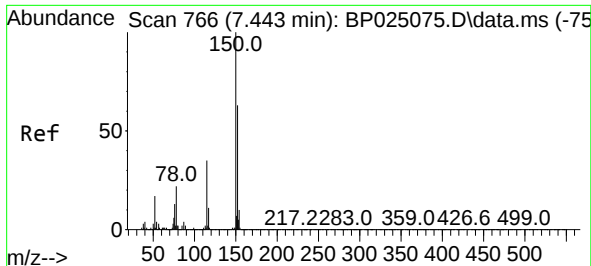
Quant Time: Jul 11 12:15:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.548	196	88698	3.943	ng	99
46) 1,1'-Biphenyl	12.901	154	356305	4.293	ng	100
47) 2-Chloronaphthalene	12.930	162	270932	4.343	ng	99
48) 2-Nitroaniline	13.136	65	56939	6.276	ng	96
49) Acenaphthylene	13.795	152	433189	4.537	ng	100
50) Dimethylphthalate	13.548	163	345254	4.324	ng	100
51) 2,6-Dinitrotoluene	13.648	165	61578	3.954	ng	97
52) Acenaphthene	14.148	154	261245	4.246	ng	99
53) 3-Nitroaniline	13.983	138	68611	4.111	ng	# 92
54) 2,4-Dinitrophenol	14.195	184	21623	8.035	ng	94
55) Dibenzofuran	14.495	168	427354	4.208	ng	99
56) 4-Nitrophenol	14.307	139	57435	3.729	ng	98
57) 2,4-Dinitrotoluene	14.448	165	80941	5.984	ng	99
58) Fluorene	15.154	166	337154	4.292	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.730	232	84595	4.153	ng	99
60) Diethylphthalate	14.954	149	342094	4.266	ng	99
61) 4-Chlorophenyl-phenyle...	15.160	204	169549	4.362	ng	99
62) 4-Nitroaniline	15.160	138	70669	4.038	ng	97
63) Azobenzene	15.460	77	278902	3.906	ng	98
65) 4,6-Dinitro-2-methylph...	15.236	198	32590	8.238	ng	93
66) n-Nitrosodiphenylamine	15.383	169	292947	4.301	ng	100
67) 4-Bromophenyl-phenylether	16.089	248	107867	4.426	ng	97
68) Hexachlorobenzene	16.183	284	133189	4.471	ng	99
69) Atrazine	16.371	200	104444	5.232	ng	99
70) Pentachlorophenol	16.536	266	76168	3.786	ng	98
71) Phenanthrene	16.936	178	564302	4.437	ng	98
72) Anthracene	17.030	178	549671	4.505	ng	99
73) Carbazole	17.313	167	516915	4.333	ng	98
74) Di-n-butylphthalate	17.948	149	559360	4.210	ng	100
75) Fluoranthene	19.036	202	638930	4.298	ng	99
77) Benzidine	19.242	184	252246	5.346	ng	98
78) Pyrene	19.413	202	677518	4.095	ng	99
80) Butylbenzylphthalate	20.412	149	240119	7.160	ng	99
81) Benzo(a)anthracene	21.307	228	704940	4.354	ng	99
82) 3,3'-Dichlorobenzidine	21.236	252	228220	4.683	ng	99
83) Chrysene	21.365	228	668534	4.291	ng	98
84) Bis(2-ethylhexyl)phtha...	21.307	149	370261	4.264	ng	98
85) Di-n-octyl phthalate	22.524	149	573934	9.245	ng	100
87) Indeno(1,2,3-cd)pyrene	27.965	276	672810	3.624	ng	93
88) Benzo(b)fluoranthene	23.465	252	673144	3.969	ng	99
89) Benzo(k)fluoranthene	23.536	252	682413	4.044	ng	99
90) Benzo(a)pyrene	24.300	252	637839	4.419	ng	100
91) Dibenzo(a,h)anthracene	28.053	278	656958	4.281	ng	98
92) Benzo(g,h,i)perylene	29.053	276	658715	4.156	ng	99

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

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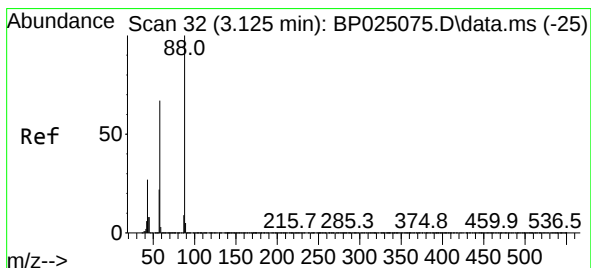
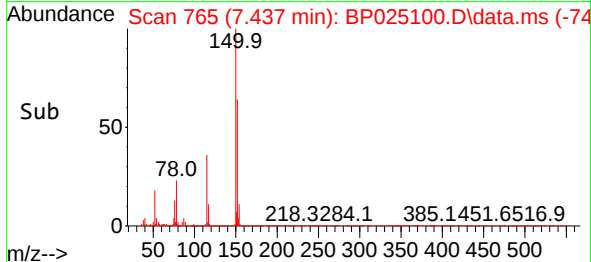
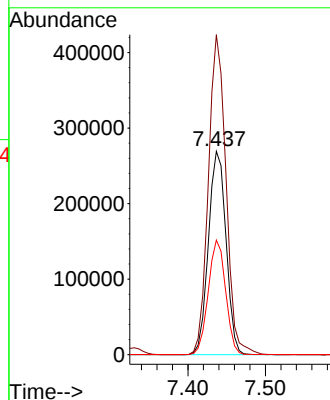
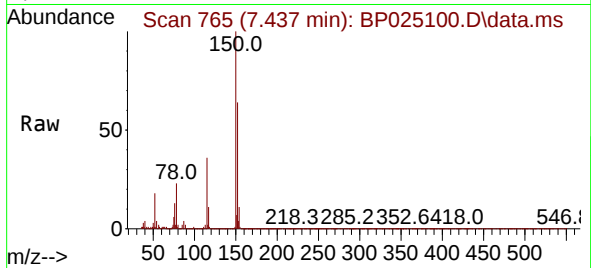




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

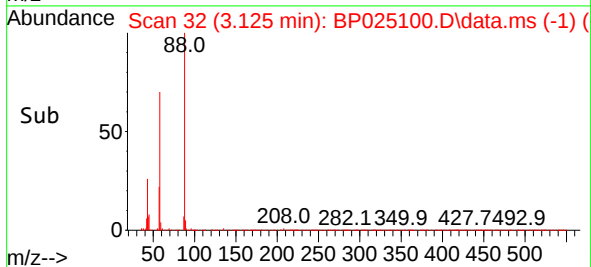
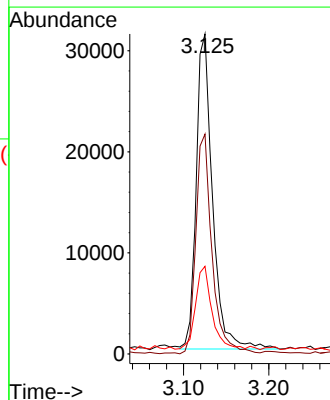
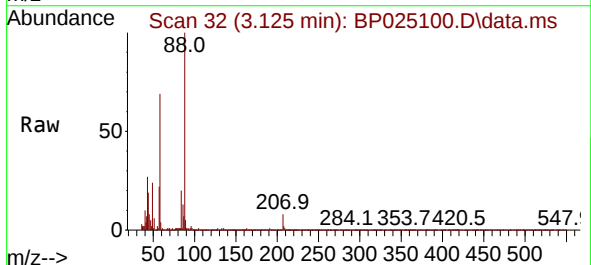
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

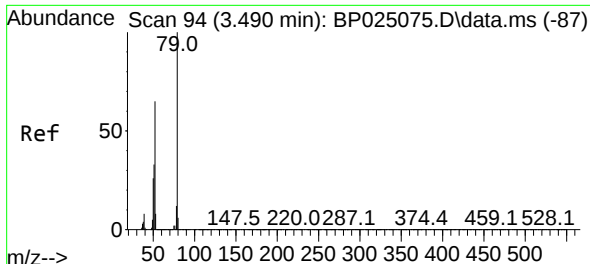
Tgt Ion:152 Resp: 424819
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.1 189.1
 115 56.3 44.3 66.5



#2
 1,4-Dioxane
 Concen: 4.450 ng
 RT: 3.125 min Scan# 32
 Delta R.T. -0.000 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

Tgt Ion: 88 Resp: 41487
 Ion Ratio Lower Upper
 88 100
 58 69.0 55.0 82.4
 43 26.2 21.9 32.9

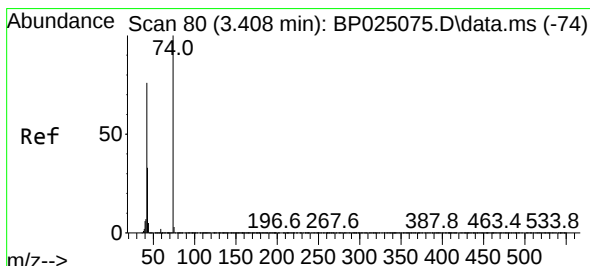
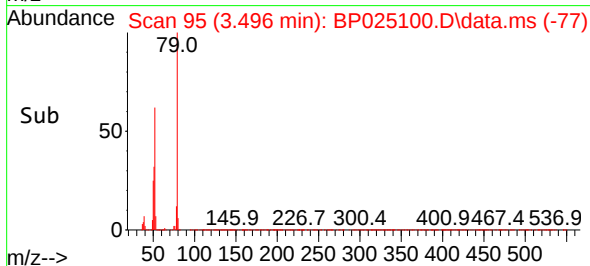
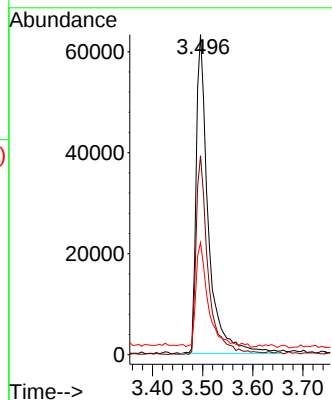
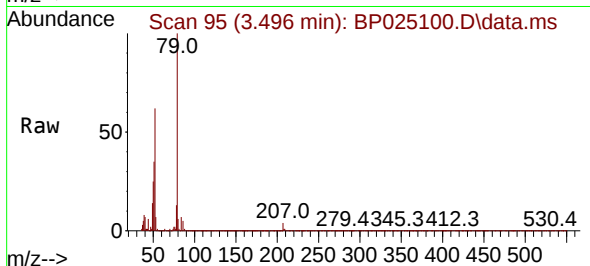




#3
Pyridine
Concen: 4.161 ng
RT: 3.496 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

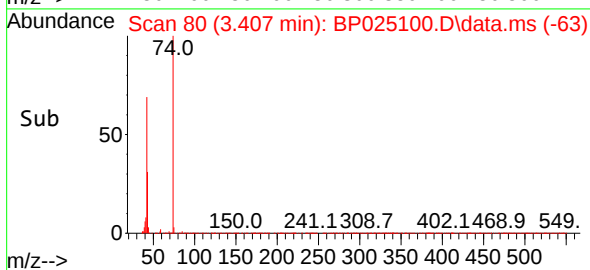
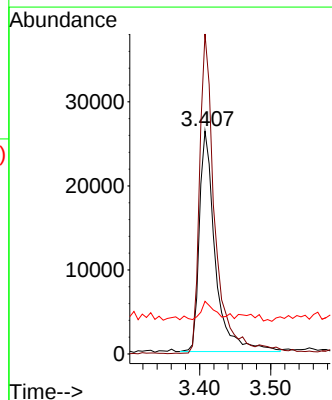
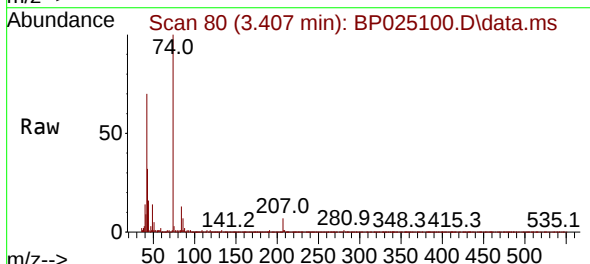
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

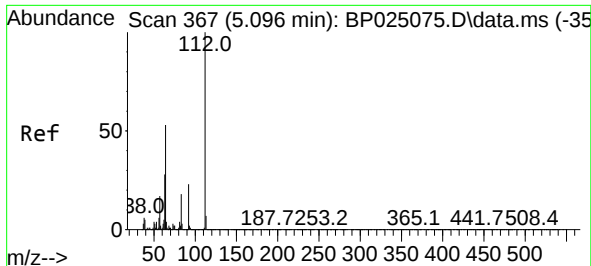
Tgt Ion: 79 Resp: 106213
Ion Ratio Lower Upper
79 100
52 62.2 52.2 78.4
51 35.1 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 3.787 ng
RT: 3.407 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 42 Resp: 40924
Ion Ratio Lower Upper
42 100
74 143.6 105.2 157.8
44 23.6 6.6 9.8

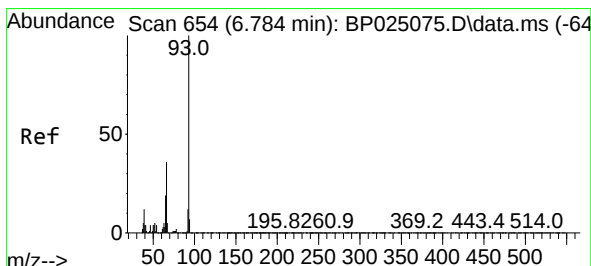
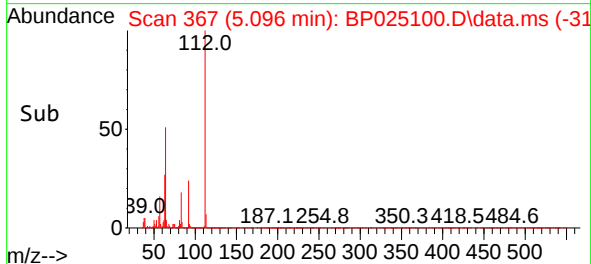
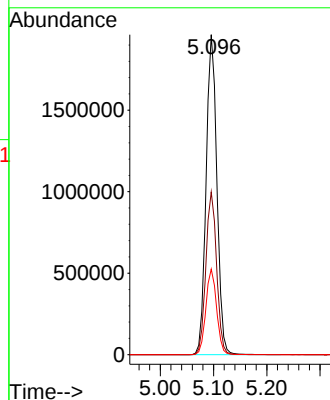
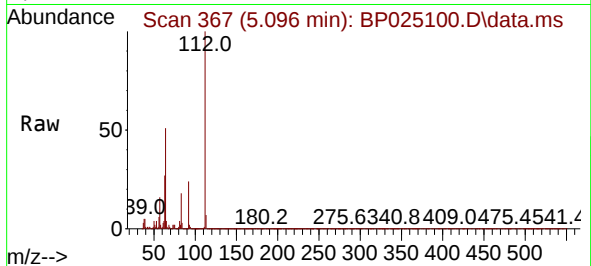




#5
2-Fluorophenol
Concen: 114.704 ng
RT: 5.096 min Scan# 30
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

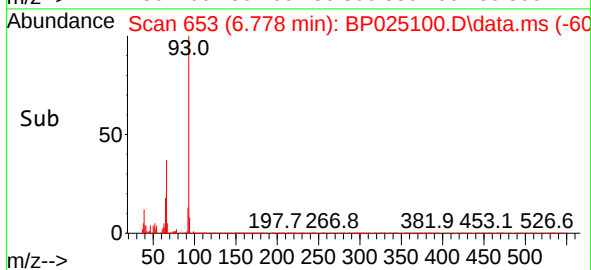
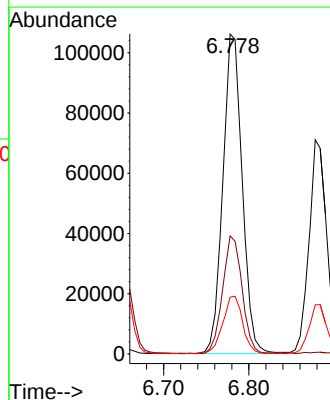
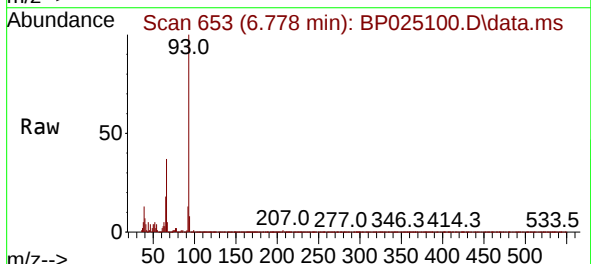
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ClientSampleId :
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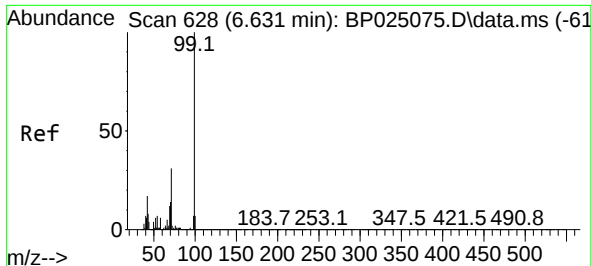
Tgt Ion:112 Resp: 2750143
Ion Ratio Lower Upper
112 100
64 50.9 42.0 63.0
63 26.8 22.2 33.2



#6
Aniline
Concen: 5.724 ng
RT: 6.778 min Scan# 653
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 93 Resp: 167318
Ion Ratio Lower Upper
93 100
66 36.9 28.9 43.3
65 17.8 15.2 22.8

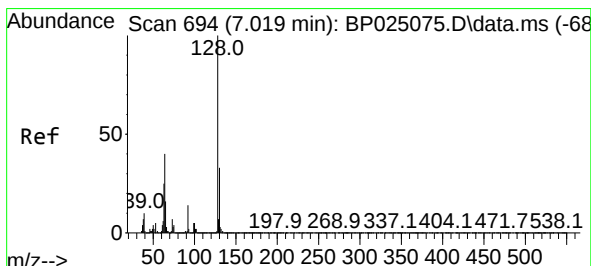
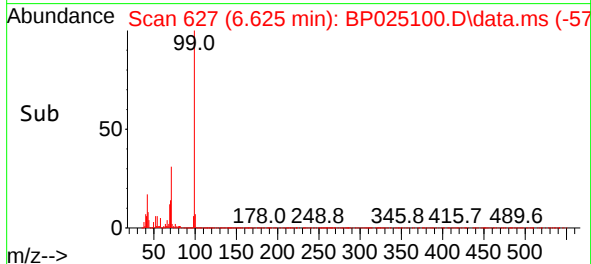
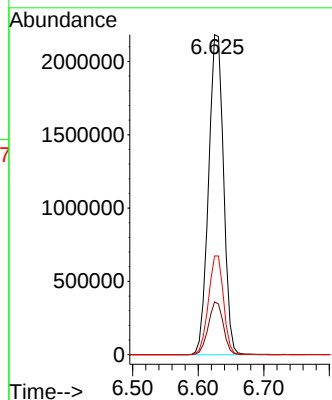
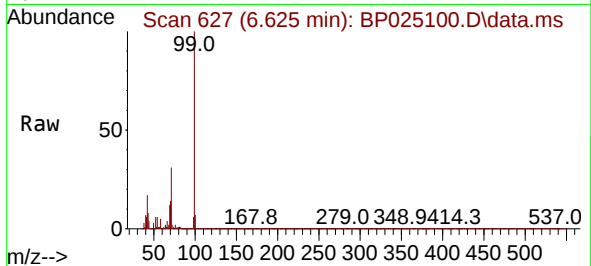




#7
Phenol-d6
Concen: 110.912 ng
RT: 6.625 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

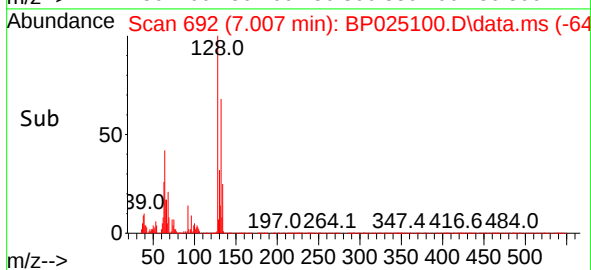
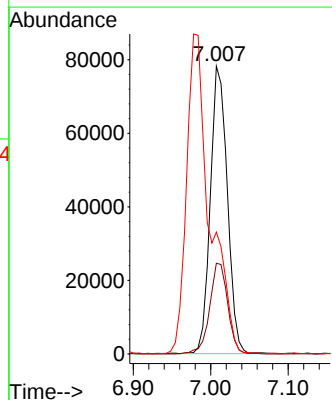
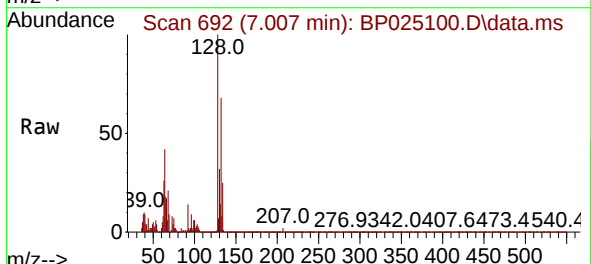
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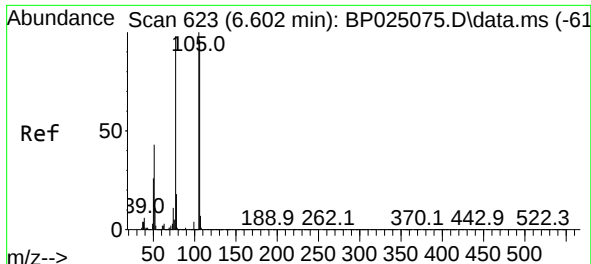
Tgt Ion: 99 Resp: 3470238
Ion Ratio Lower Upper
99 100
42 16.5 13.6 20.4
71 30.9 24.4 36.6



#8
2-Chlorophenol
Concen: 4.438 ng
RT: 7.007 min Scan# 692
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 128 Resp: 119056
Ion Ratio Lower Upper
128 100
130 31.5 12.9 52.9
64 42.3 20.3 60.3

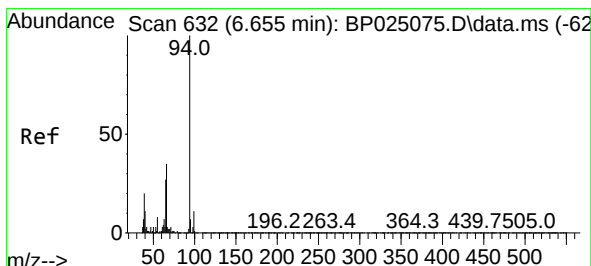
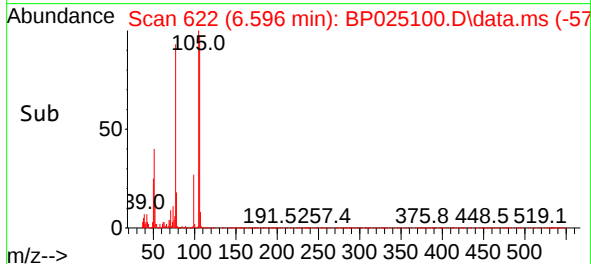
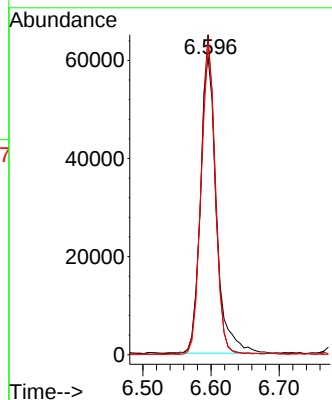
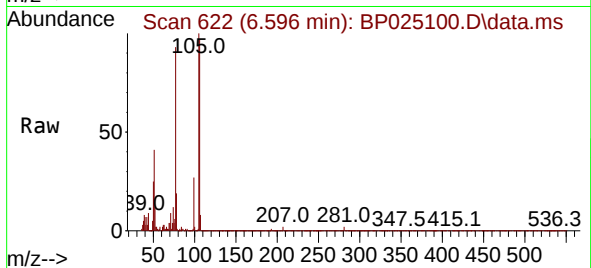




#9
Benzaldehyde
Concen: 6.007 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

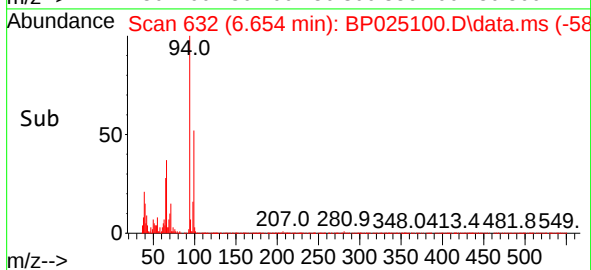
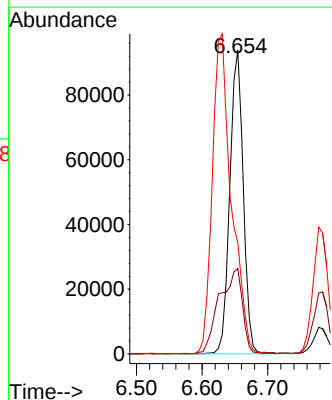
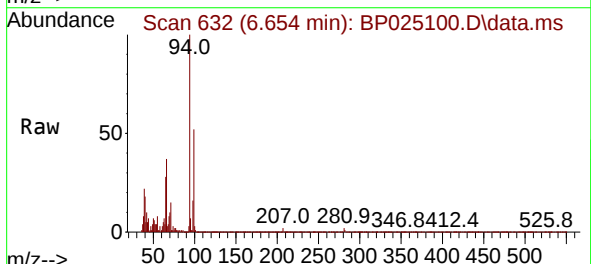
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ClientSampleId :
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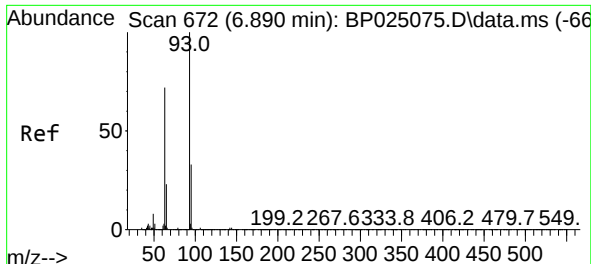
Tgt Ion: 77 Resp: 98161
Ion Ratio Lower Upper
77 100
105 107.5 82.4 122.4
106 103.9 78.3 118.3



#10
Phenol
Concen: 4.211 ng
RT: 6.654 min Scan# 632
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 94 Resp: 133871
Ion Ratio Lower Upper
94 100
65 28.2 6.9 46.9
66 36.7 14.6 54.6

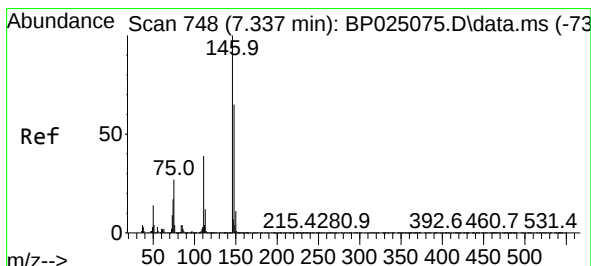
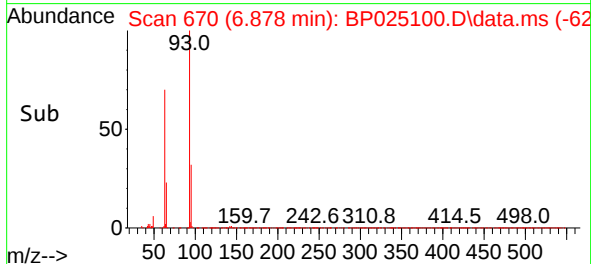
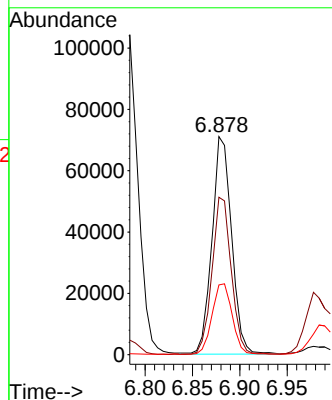
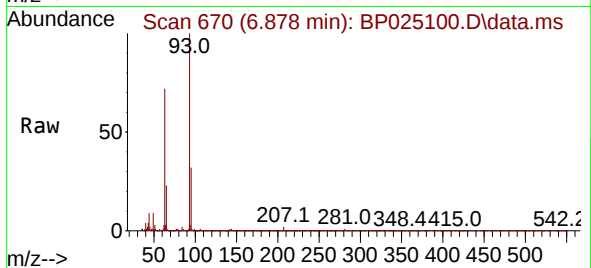




#11
bis(2-Chloroethyl)ether
Concen: 4.197 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

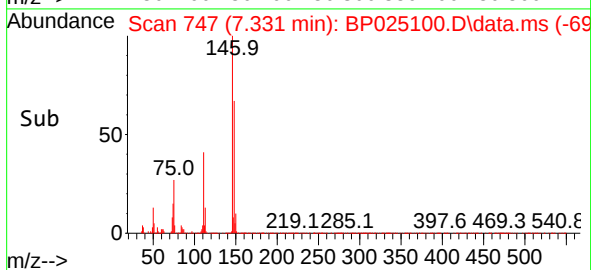
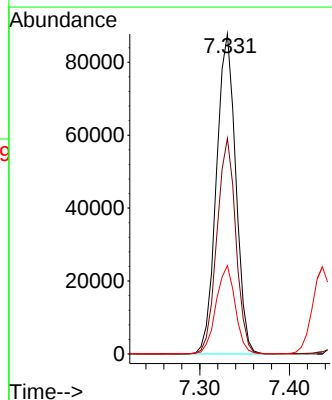
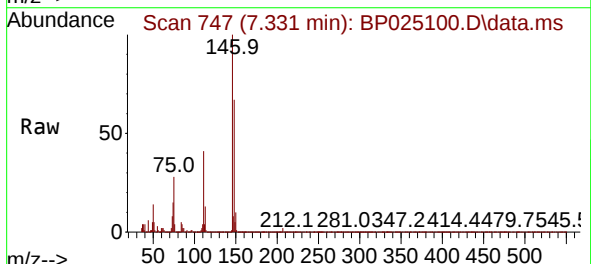
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

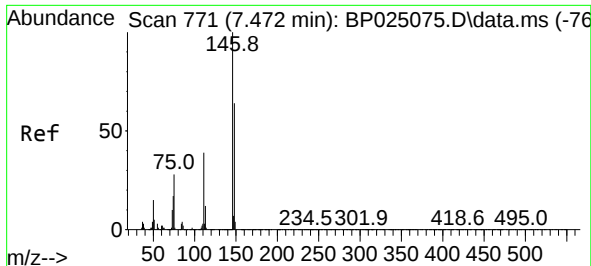
Tgt Ion: 93 Resp: 102678
Ion Ratio Lower Upper
93 100
63 72.2 51.9 91.9
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 4.376 ng
RT: 7.331 min Scan# 747
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:146 Resp: 131374
Ion Ratio Lower Upper
146 100
148 67.4 51.9 77.9
75 27.6 21.8 32.6

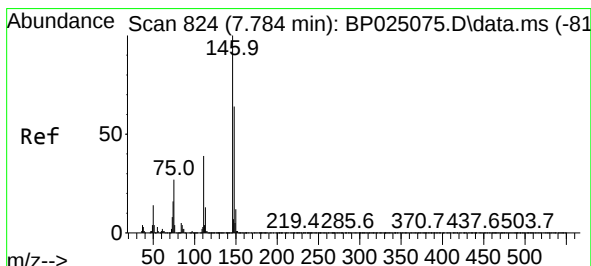
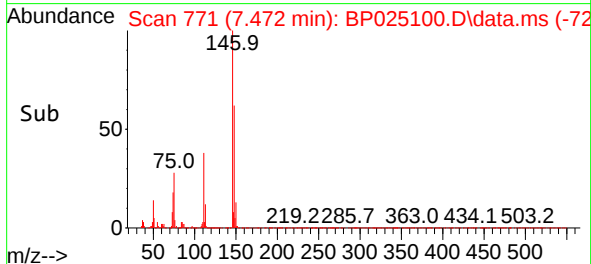
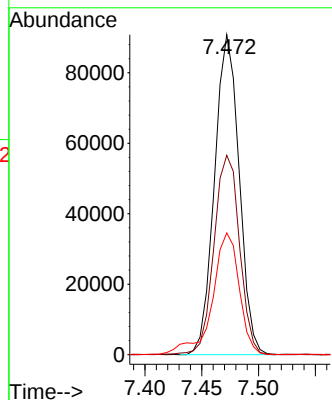
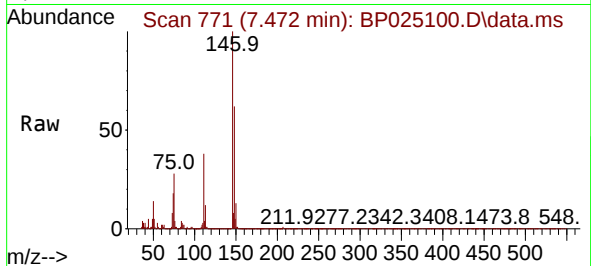




#13
1,4-Dichlorobenzene
Concen: 4.510 ng
RT: 7.472 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

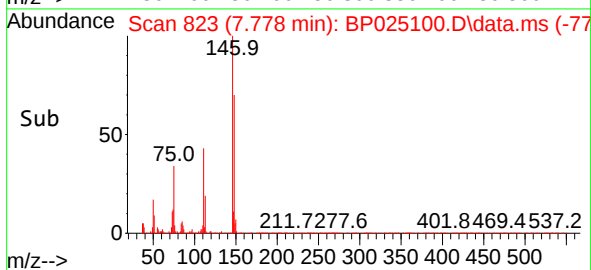
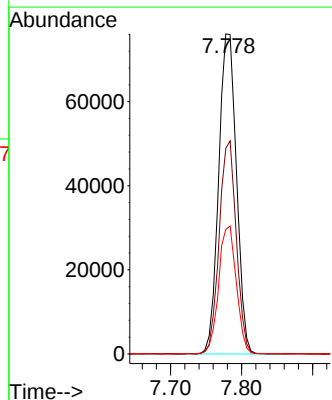
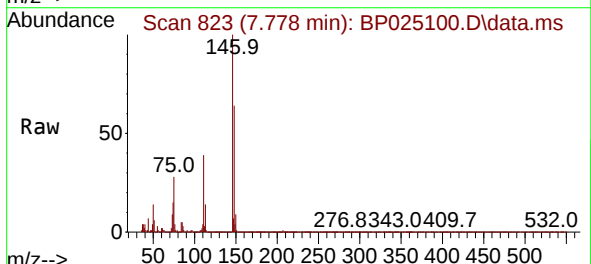
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

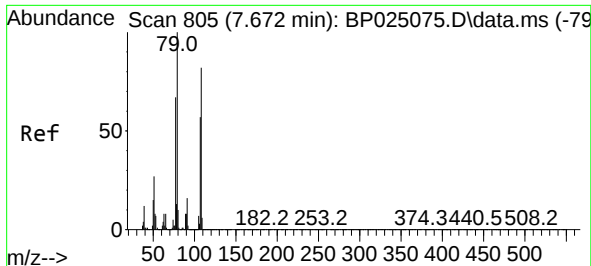
Tgt Ion:146 Resp: 137079
Ion Ratio Lower Upper
146 100
148 62.3 51.1 76.7
111 38.1 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 4.512 ng
RT: 7.778 min Scan# 823
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:146 Resp: 131926
Ion Ratio Lower Upper
146 100
148 64.3 51.1 76.7
111 38.9 31.2 46.8

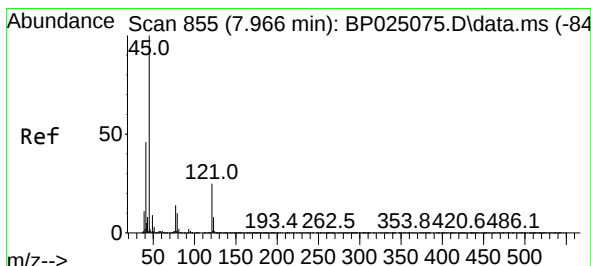
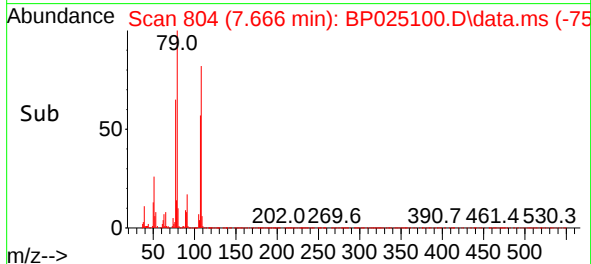
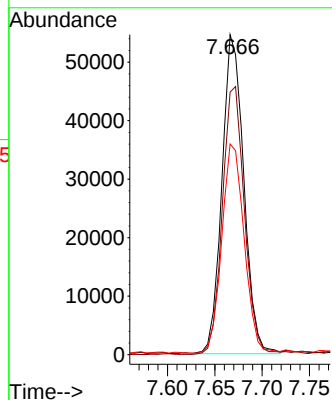
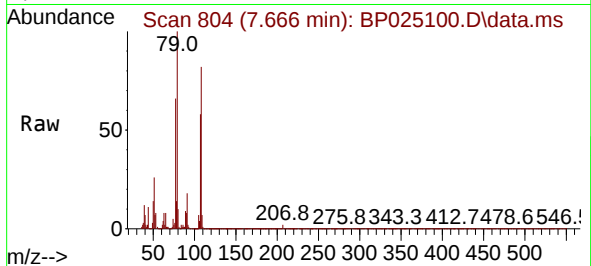




#15
Benzyl Alcohol
Concen: 4.188 ng
RT: 7.666 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

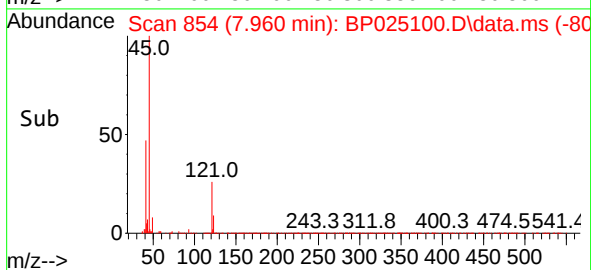
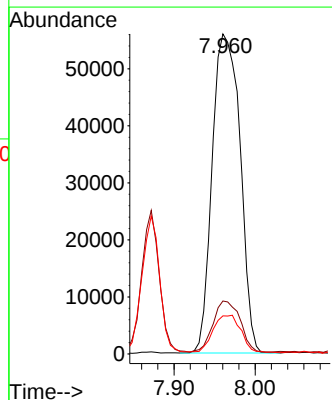
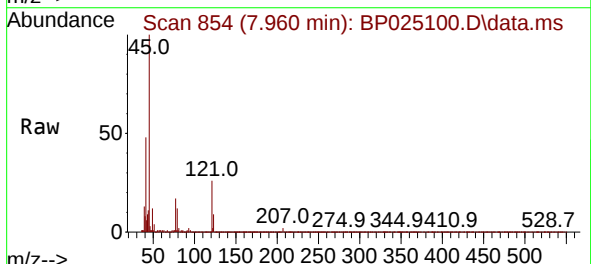
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

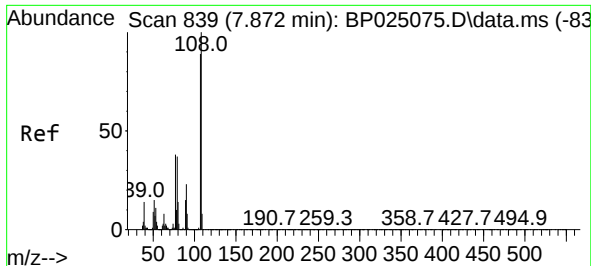
Tgt Ion: 79 Resp: 87448
Ion Ratio Lower Upper
79 100
108 82.1 66.0 99.0
77 65.9 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.200 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 45 Resp: 133607
Ion Ratio Lower Upper
45 100
77 16.6 0.0 34.8
79 11.9 0.0 30.7

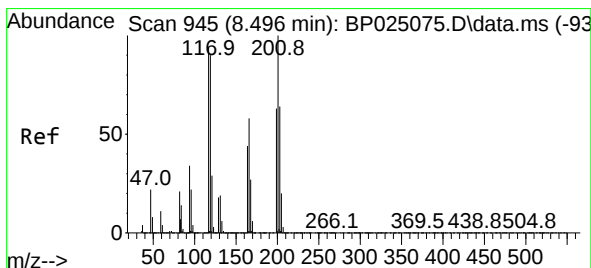
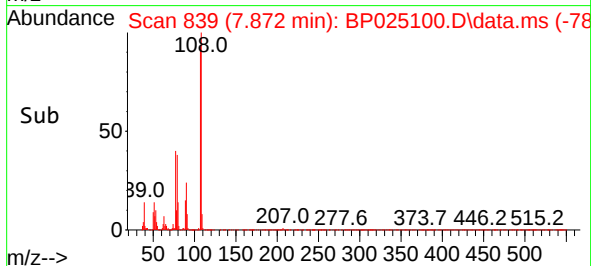
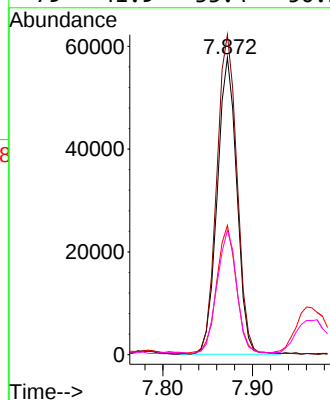
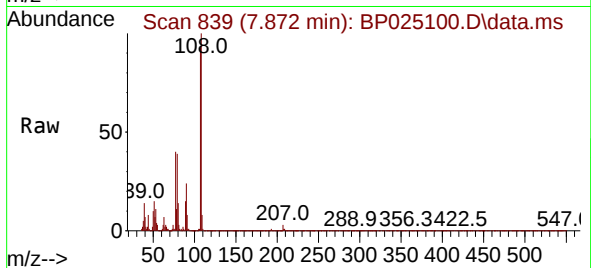




#17
2-Methylphenol
Concen: 4.280 ng
RT: 7.872 min Scan# 839
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

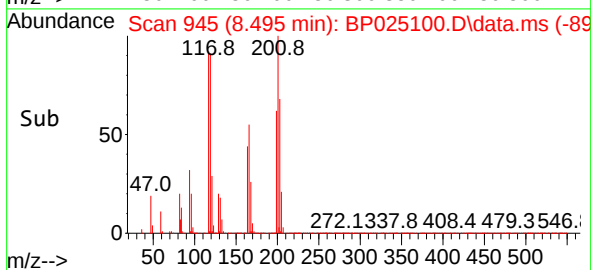
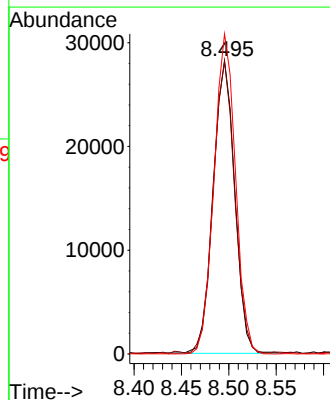
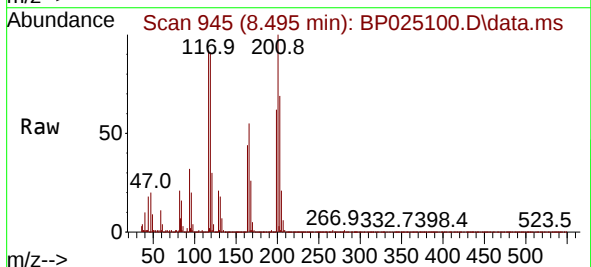
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

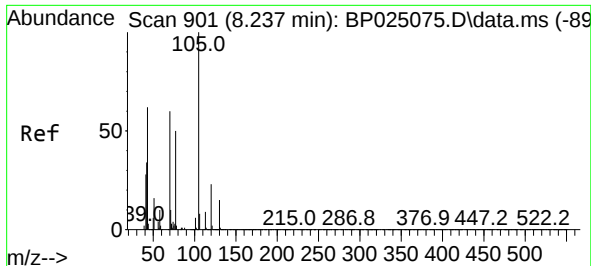
Tgt Ion:	107	Resp:	87651
Ion	Ratio	Lower	Upper
107	100		
108	107.7	89.7	134.5
77	43.5	34.2	51.4
79	41.9	33.4	50.2



#18
Hexachloroethane
Concen: 4.527 ng
RT: 8.495 min Scan# 945
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	117	Resp:	44825
Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.6	115.0
201	109.1	85.4	128.2





#19

n-Nitroso-di-n-propylamine

Concen: 4.273 ng

RT: 8.231 min Scan# 901

Delta R.T. -0.006 min

Lab File: BP025100.D

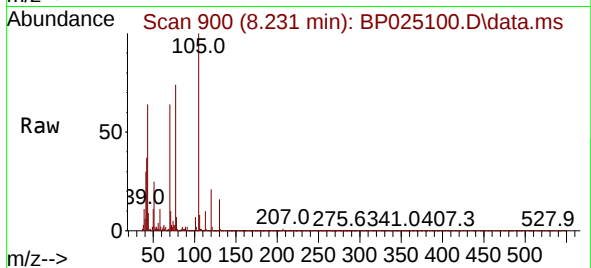
Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion: 70 Resp: 79293

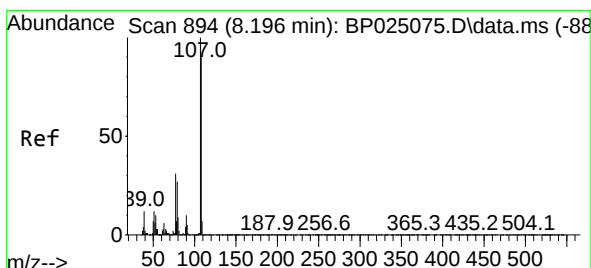
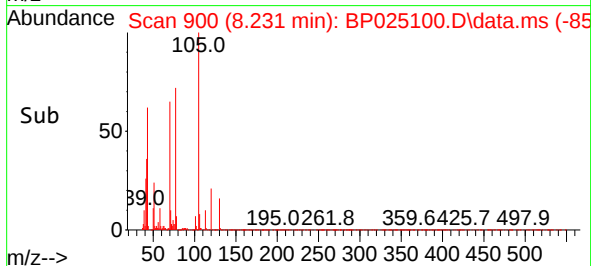
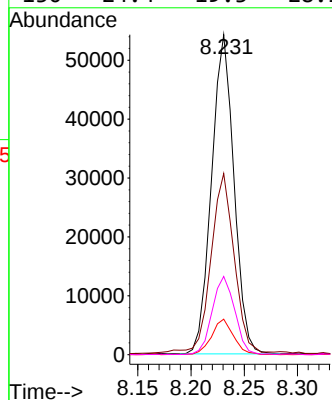
Ion Ratio Lower Upper

70 100

42 56.6 46.5 69.7

101 11.1 7.9 11.9

130 24.4 19.3 28.9



#20

3+4-Methylphenols

Concen: 4.105 ng

RT: 8.190 min Scan# 893

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Tgt Ion: 107 Resp: 117740

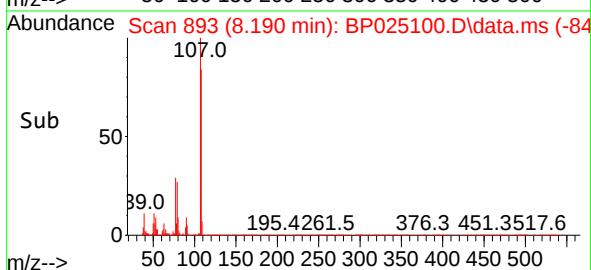
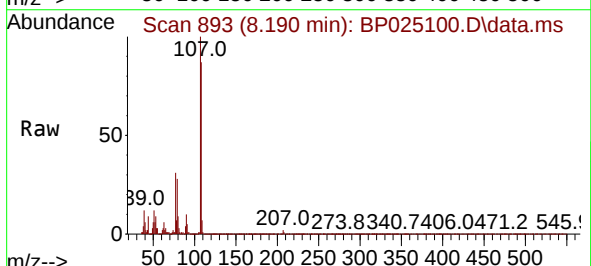
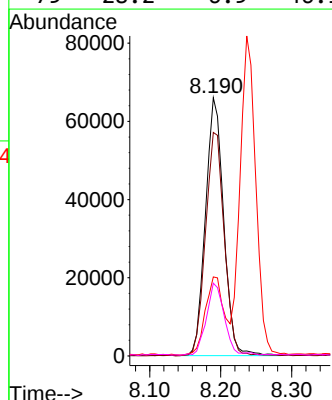
Ion Ratio Lower Upper

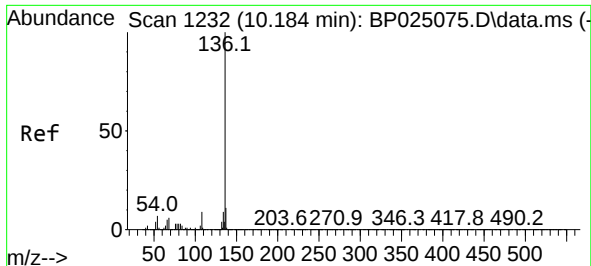
107 100

108 86.6 69.5 109.5

77 30.6 11.4 51.4

79 28.2 6.9 46.9



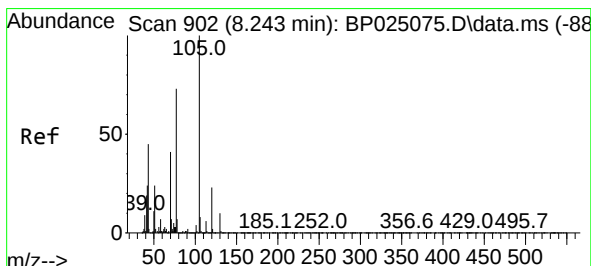
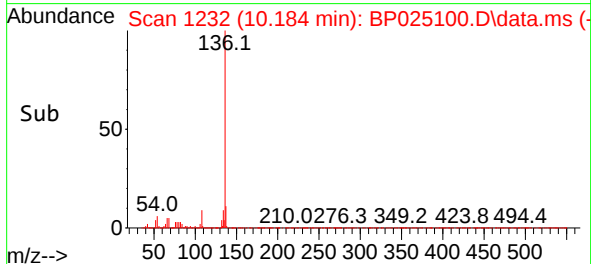
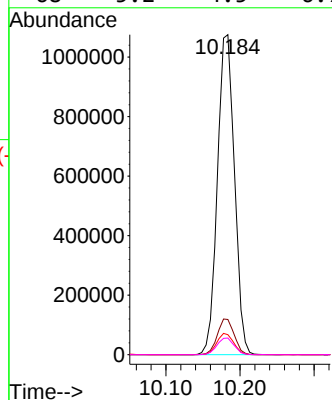
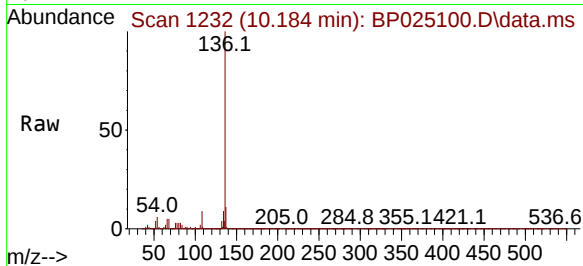


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:136 Resp: 1718378

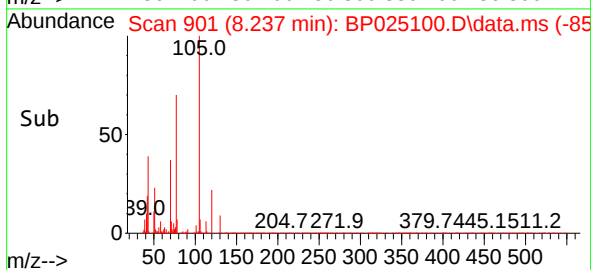
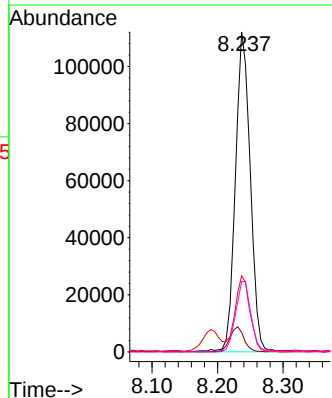
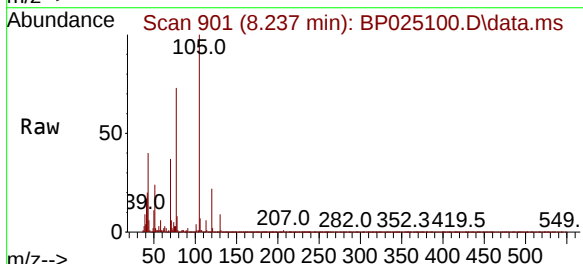
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.3	5.4	8.2
68	5.2	4.5	6.7

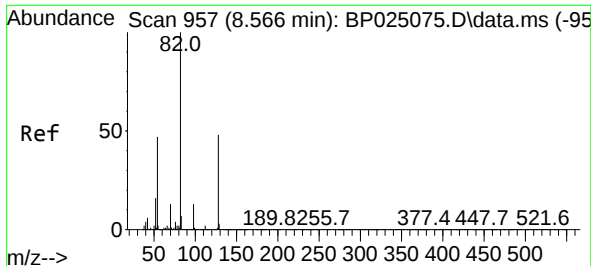


#22
Acetophenone
Concen: 4.356 ng
RT: 8.237 min Scan# 901
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:105 Resp: 177026

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.4	8.2
51	23.8	19.6	29.4
120	21.9	18.8	28.2

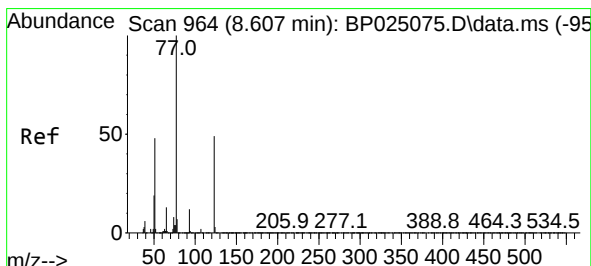
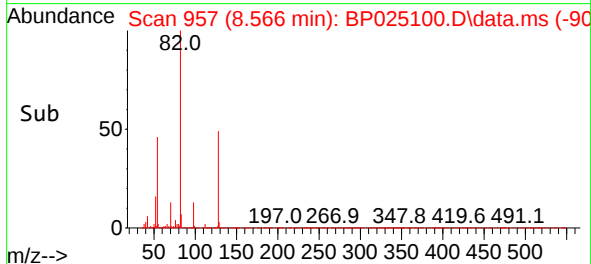
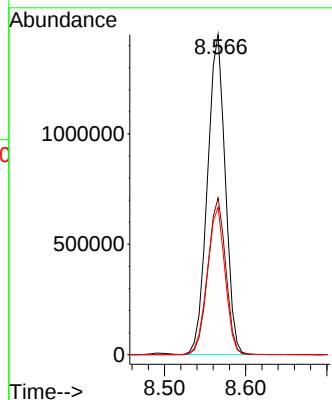
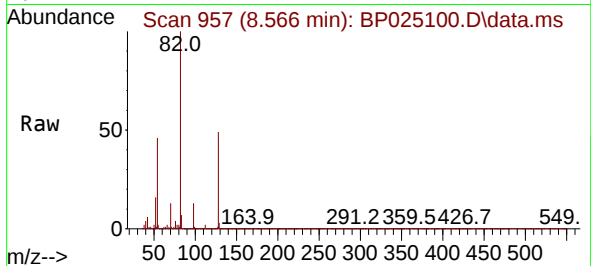




#23
Nitrobenzene-d5
Concen: 85.330 ng
RT: 8.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

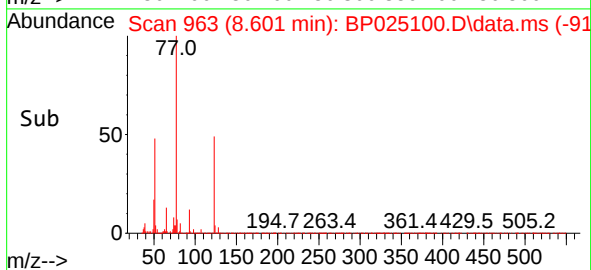
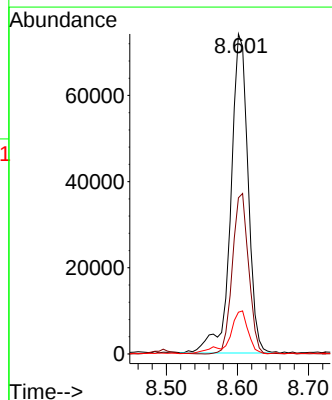
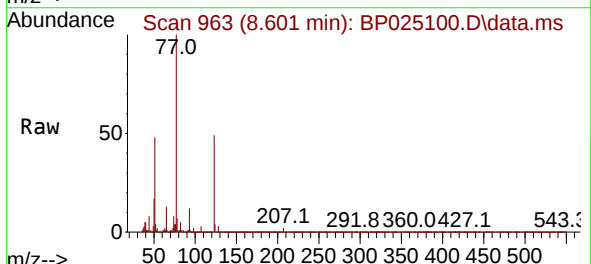
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

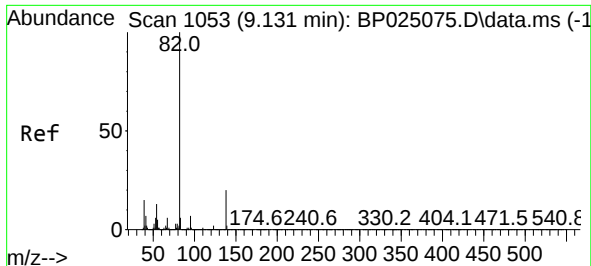
Tgt Ion: 82 Resp: 2204788
Ion Ratio Lower Upper
82 100
128 49.0 38.4 57.6
54 46.1 37.8 56.6



#24
Nitrobenzene
Concen: 4.771 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 77 Resp: 125571
Ion Ratio Lower Upper
77 100
123 48.8 39.0 58.6
65 13.1 10.7 16.1

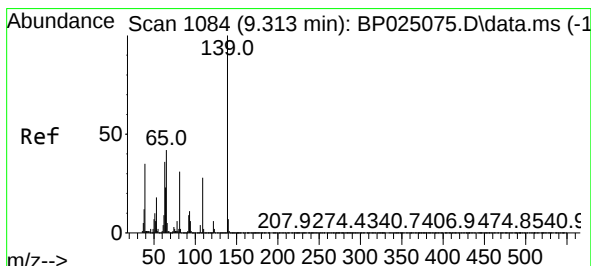
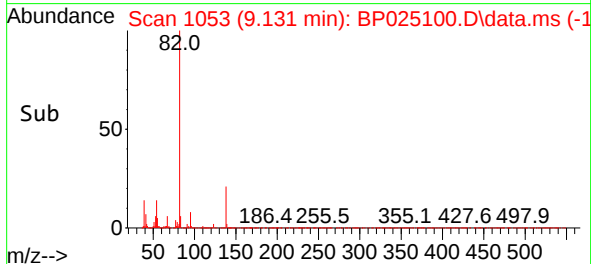
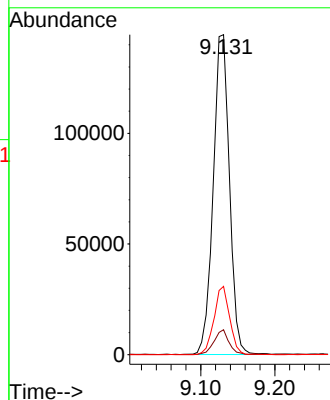
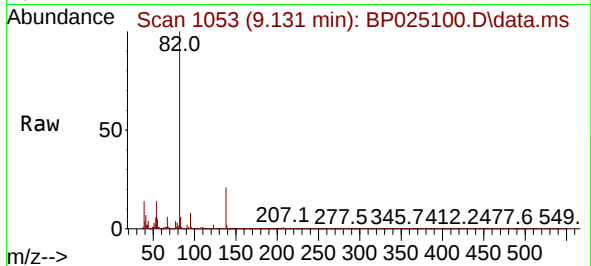




#25
Isophorone
Concen: 4.554 ng
RT: 9.131 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

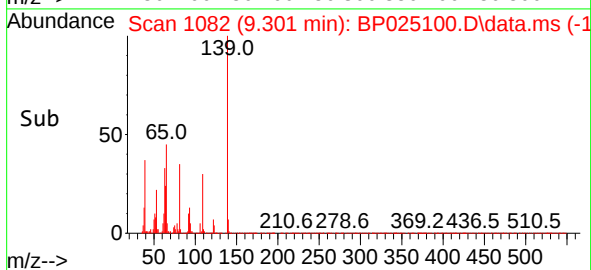
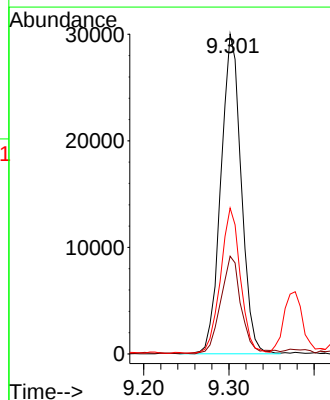
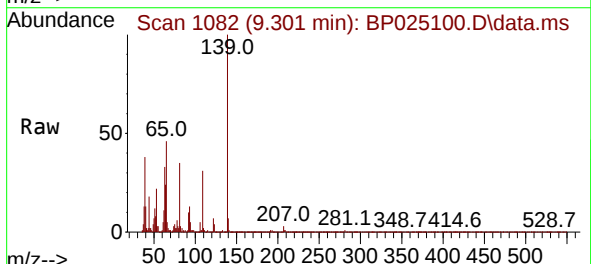
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2025

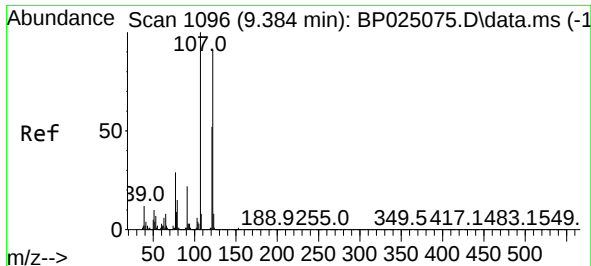
Tgt Ion: 82	Resp: 219881
Ion Ratio	Lower Upper
82 100	
95 7.8	5.8 8.6
138 21.4	15.7 23.5



#26
2-Nitrophenol
Concen: 6.931 ng
RT: 9.301 min Scan# 1082
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:139	Resp: 49782
Ion Ratio	Lower Upper
139 100	
109 30.6	22.3 33.5
65 45.6	33.8 50.8





#27

2,4-Dimethylphenol

Concen: 5.787 ng

RT: 9.378 min Scan# 1095

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

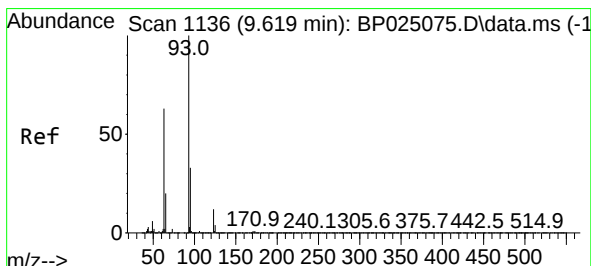
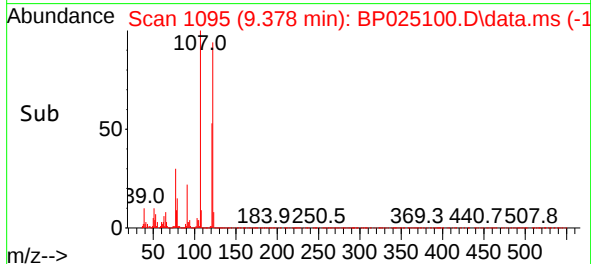
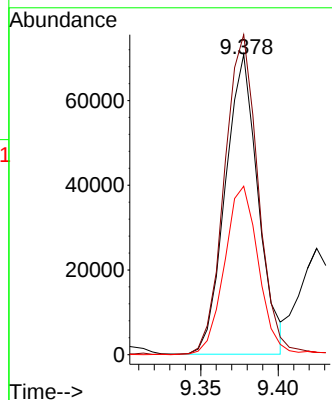
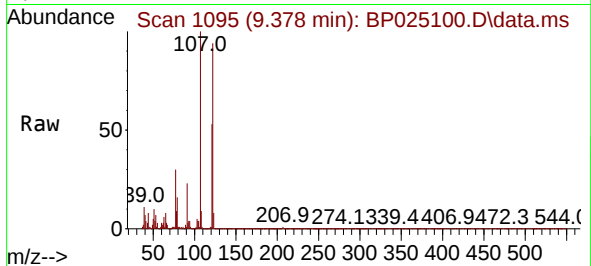
Tgt Ion:122 Resp: 104243

Ion Ratio Lower Upper

122 100

107 106.6 88.2 132.2

121 56.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 4.279 ng

RT: 9.613 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

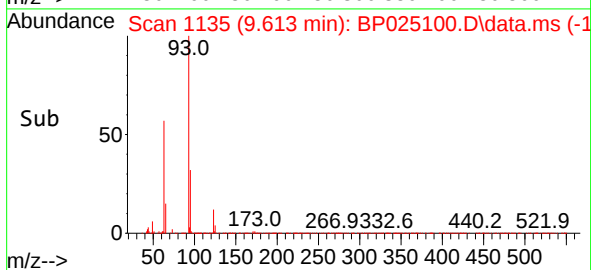
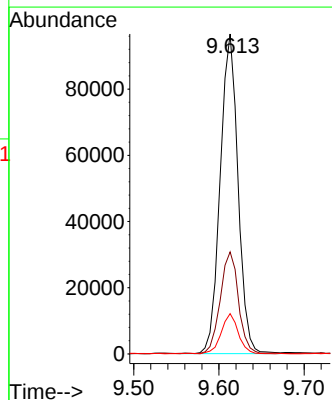
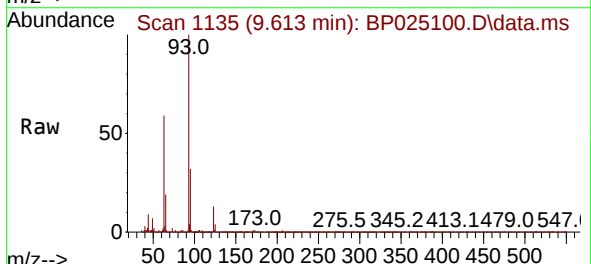
Tgt Ion: 93 Resp: 140310

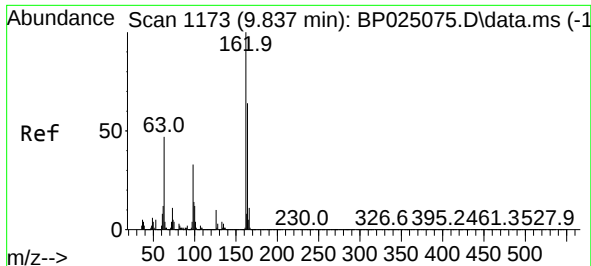
Ion Ratio Lower Upper

93 100

95 31.9 26.4 39.6

123 12.6 10.1 15.1

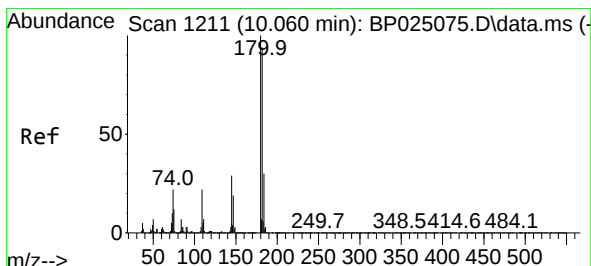
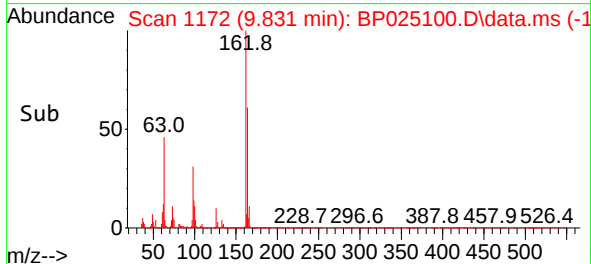
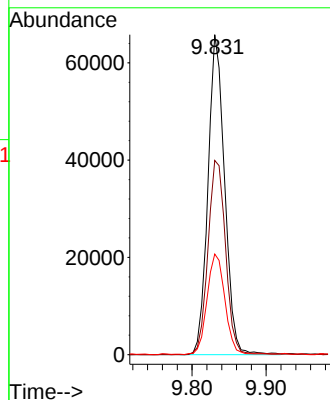
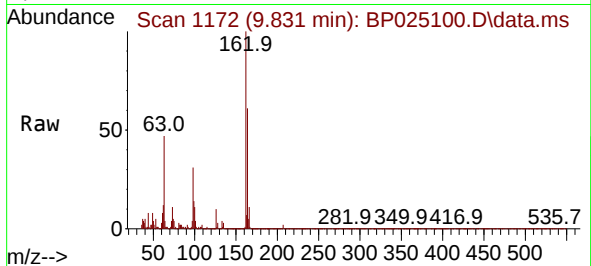




#29
2,4-Dichlorophenol
Concen: 4.117 ng
RT: 9.831 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

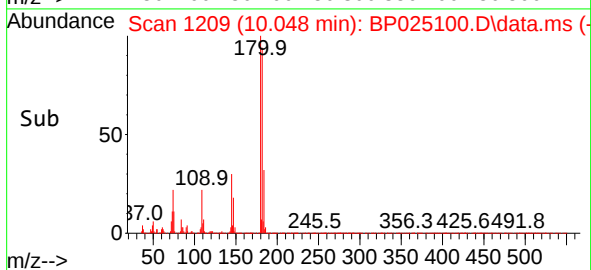
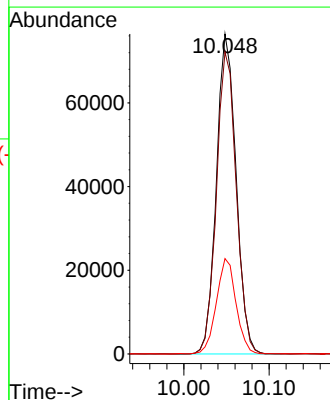
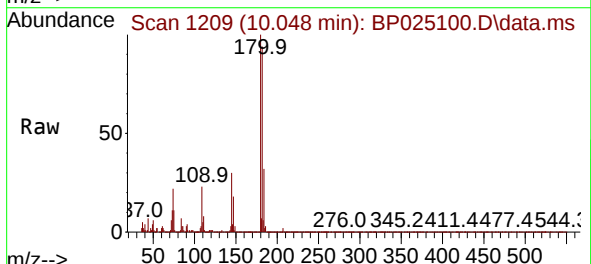
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

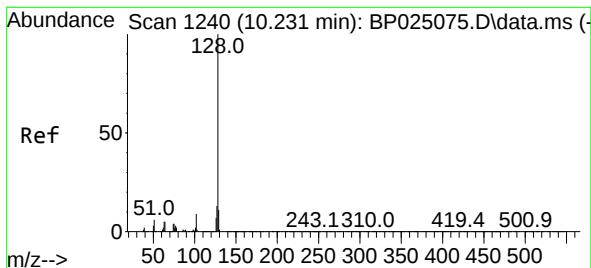
Tgt Ion:162 Resp: 102827
Ion Ratio Lower Upper
162 100
164 60.7 44.1 84.1
98 31.4 13.1 53.1



#30
1,2,4-Trichlorobenzene
Concen: 4.434 ng
RT: 10.048 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:180 Resp: 122652
Ion Ratio Lower Upper
180 100
182 94.3 75.1 112.7
145 29.8 23.3 34.9





#31

Naphthalene

Concen: 4.180 ng

RT: 10.225 min Scan# 1103

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

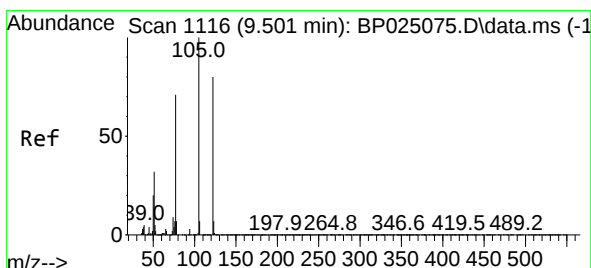
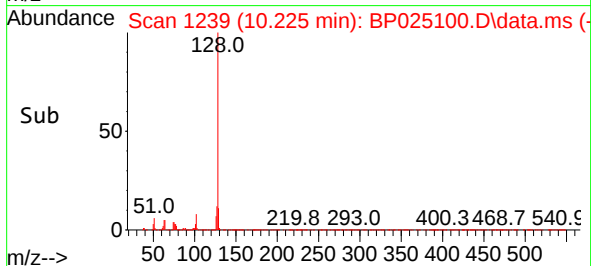
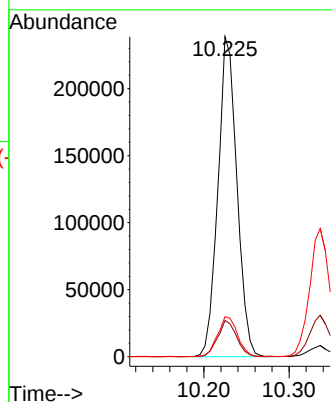
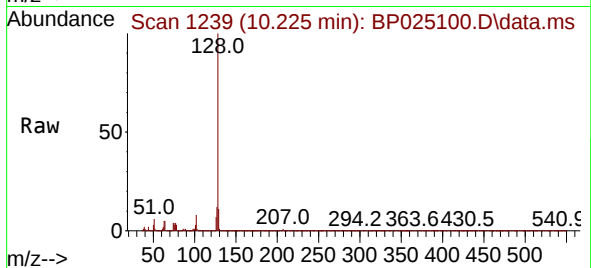
Tgt Ion:128 Resp: 369827

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 12.5 10.4 15.6



#32

Benzoic acid

Concen: 8.391 ng

RT: 9.425 min Scan# 1103

Delta R.T. -0.076 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

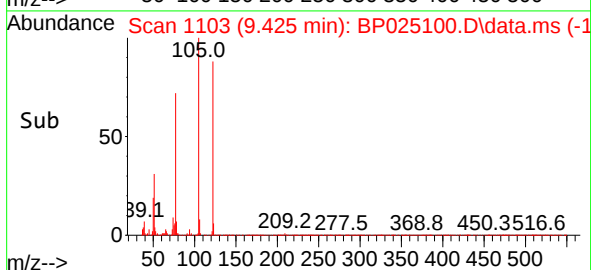
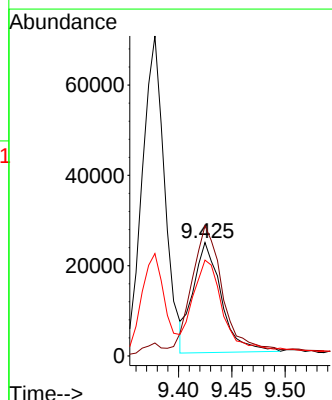
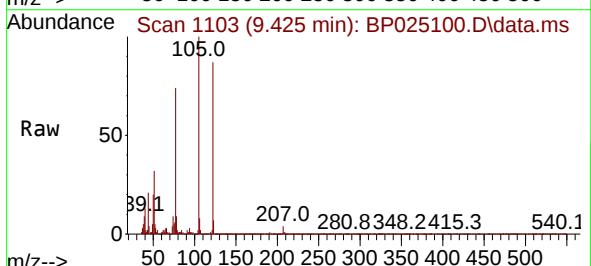
Tgt Ion:122 Resp: 45214

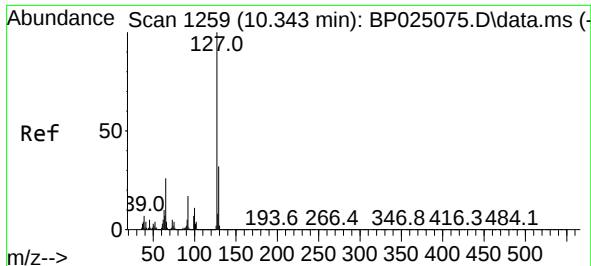
Ion Ratio Lower Upper

122 100

105 114.8 101.0 141.0

77 84.5 67.6 107.6

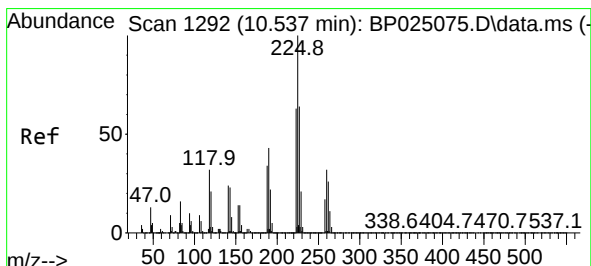
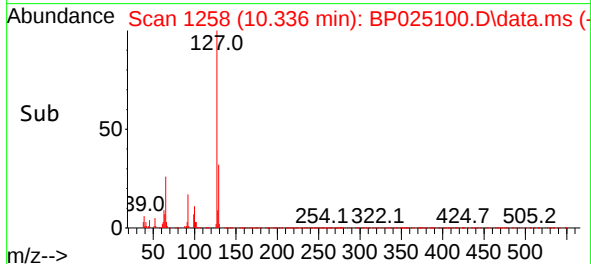
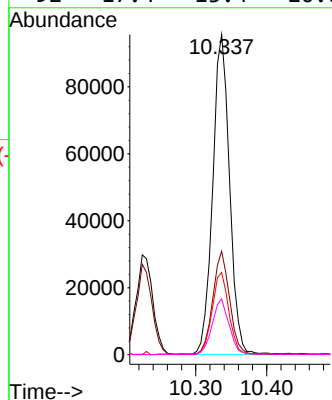
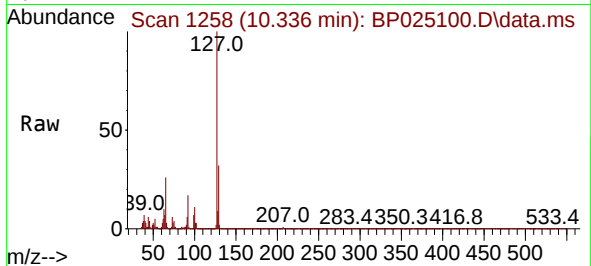




#33
4-Chloroaniline
Concen: 4.758 ng
RT: 10.336 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

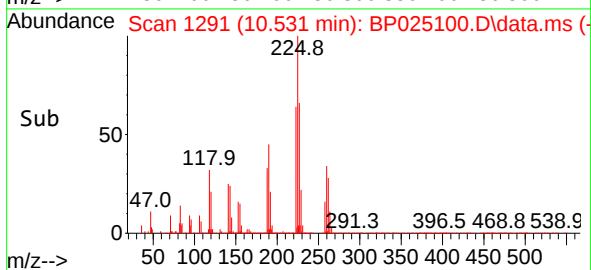
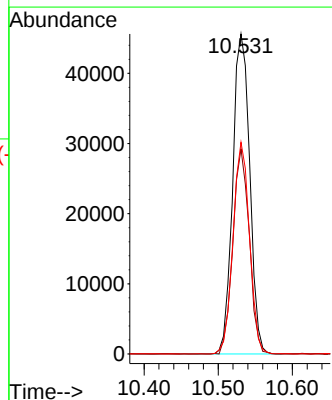
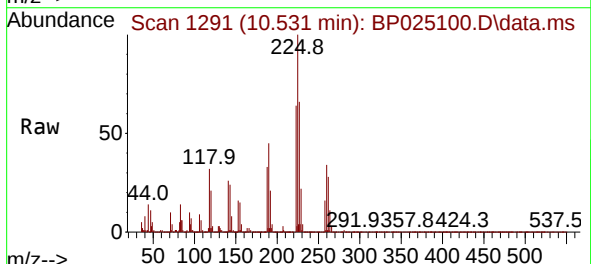
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

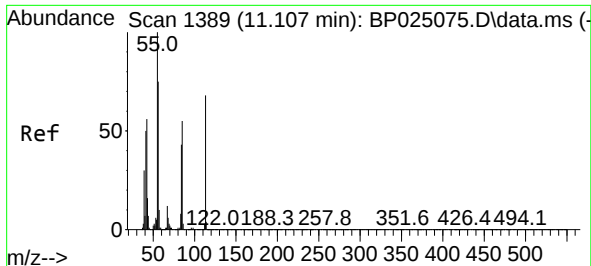
Tgt Ion:	127	Resp:	157108
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	25.7	21.0	31.6
92	17.4	13.4	20.0



#34
Hexachlorobutadiene
Concen: 4.572 ng
RT: 10.531 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	225	Resp:	72574
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.3	75.5
227	66.2	51.3	76.9

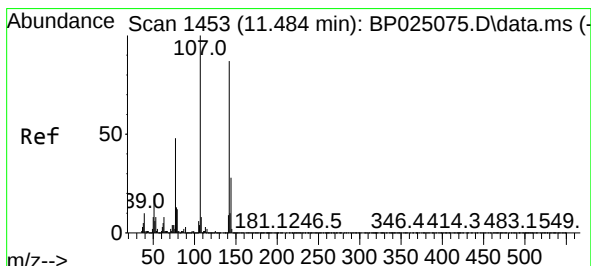
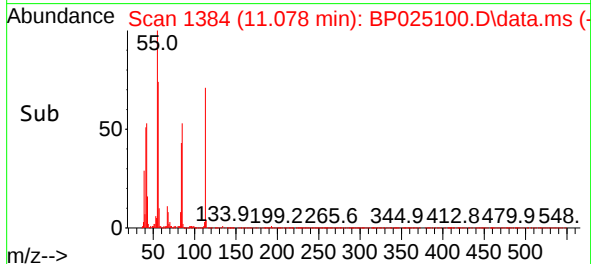
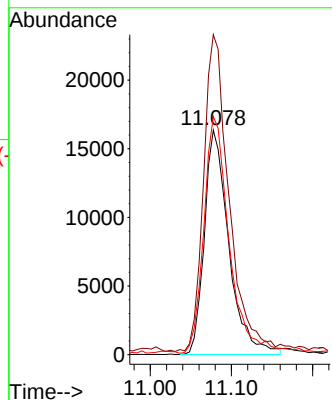
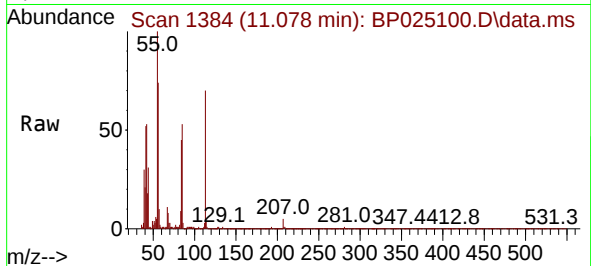




#35
Caprolactam
Concen: 4.005 ng
RT: 11.078 min Scan# 11
Delta R.T. -0.030 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

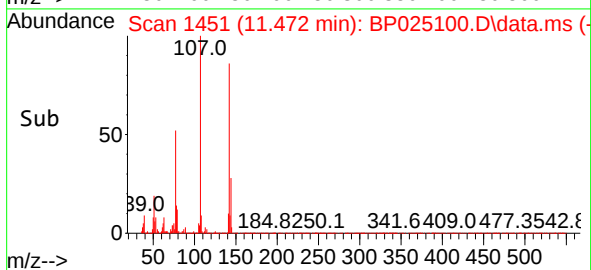
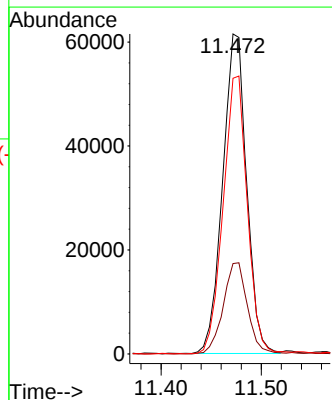
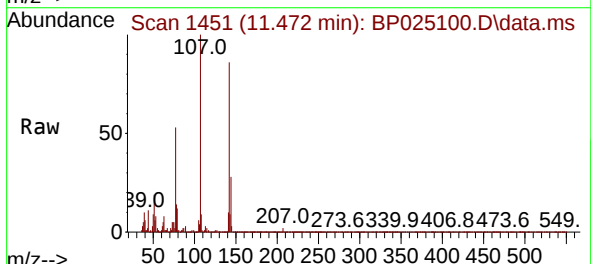
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

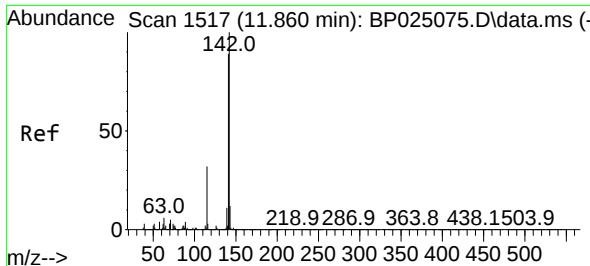
Tgt Ion:113 Resp: 34222
Ion Ratio Lower Upper
113 100
55 142.6 128.1 168.1
56 106.1 90.7 130.7



#36
4-Chloro-3-methylphenol
Concen: 3.904 ng
RT: 11.472 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:107 Resp: 101905
Ion Ratio Lower Upper
107 100
144 28.2 22.4 33.6
142 86.1 69.6 104.4

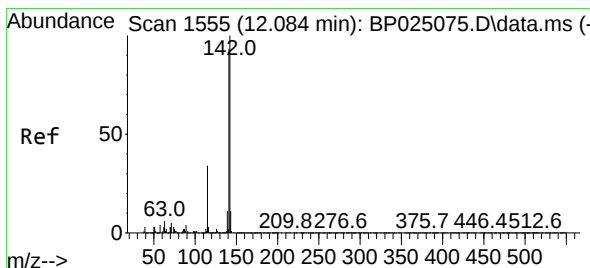
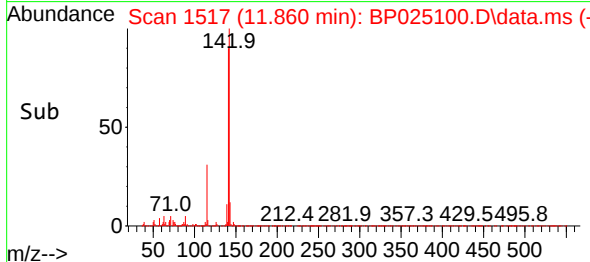
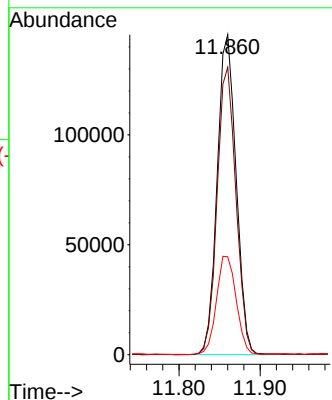
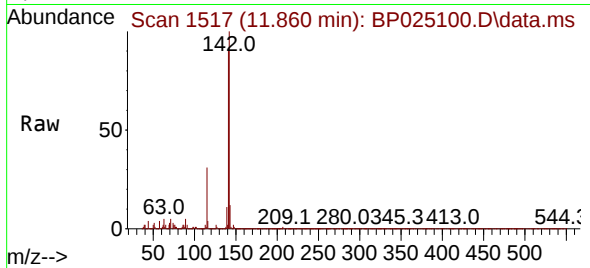




#37
2-Methylnaphthalene
Concen: 3.778 ng
RT: 11.860 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

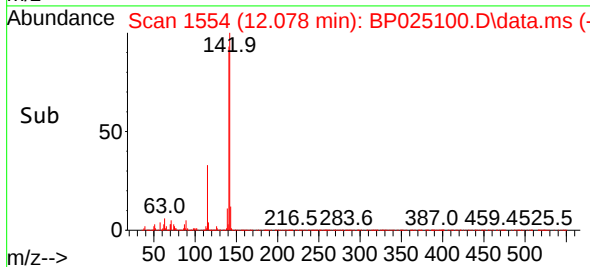
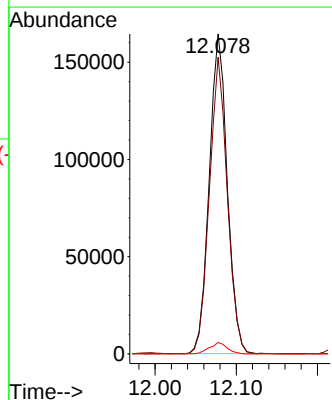
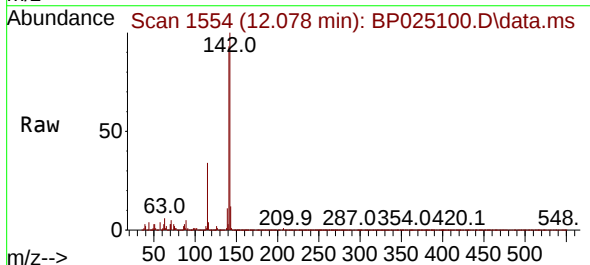
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

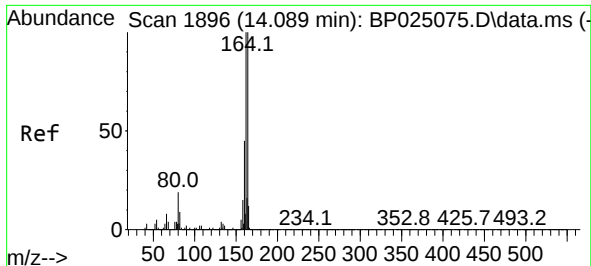
Tgt Ion:142 Resp: 235888
Ion Ratio Lower Upper
142 100
141 89.8 71.2 106.8
115 30.6 25.9 38.9



#38
1-Methylnaphthalene
Concen: 4.167 ng
RT: 12.078 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:142 Resp: 253699
Ion Ratio Lower Upper
142 100
141 92.7 74.1 111.1
116 3.6 2.7 4.1

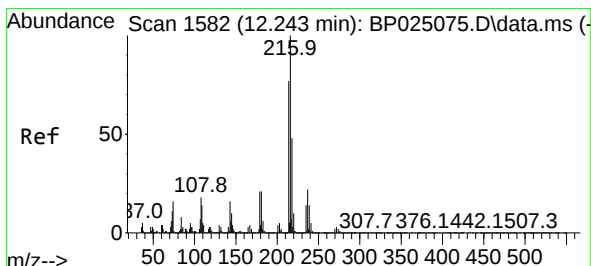
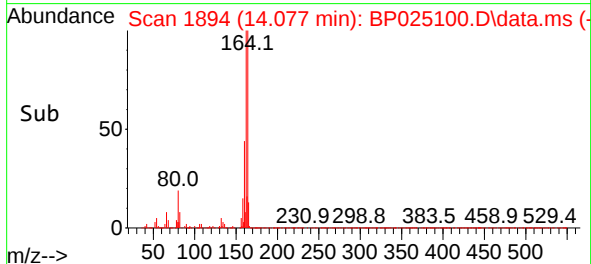
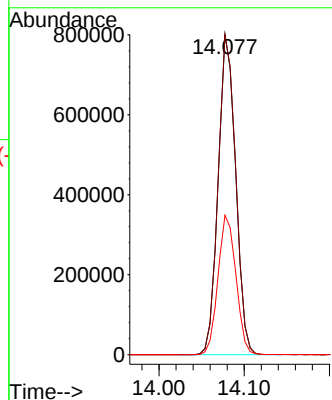
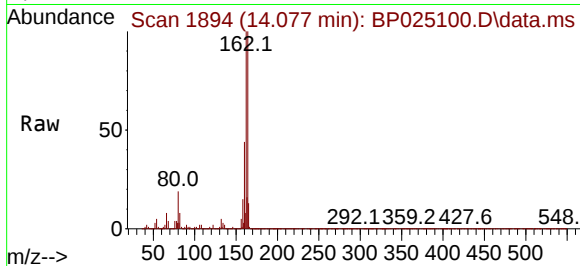




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.077 min Scan# 1894
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

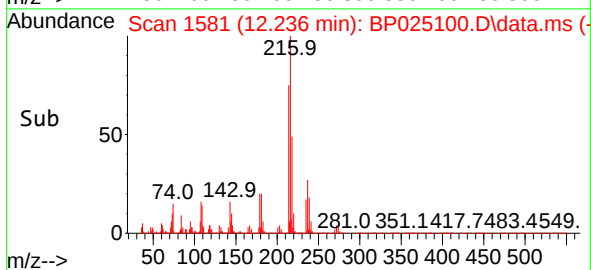
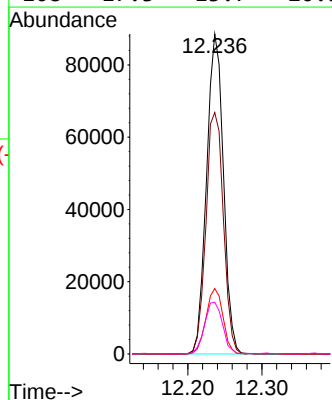
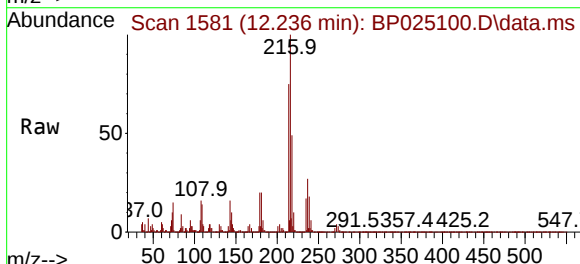
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

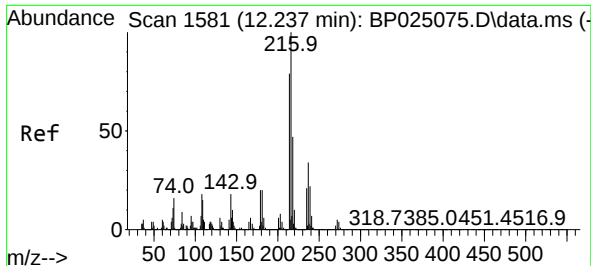
Tgt Ion:164 Resp: 1140655
Ion Ratio Lower Upper
164 100
162 100.0 80.3 120.5
160 43.6 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.264 ng
RT: 12.236 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:216 Resp: 139768
Ion Ratio Lower Upper
216 100
214 78.1 62.4 93.6
179 20.6 16.5 24.7
108 17.3 13.7 20.5

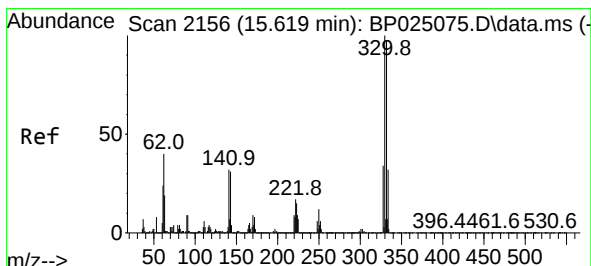
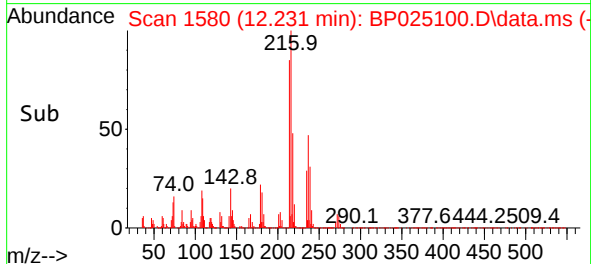
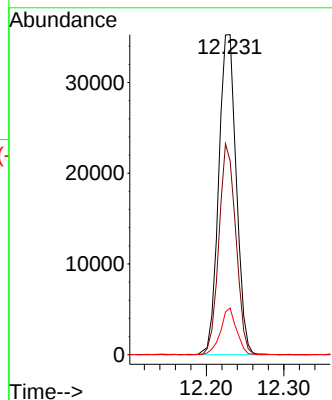
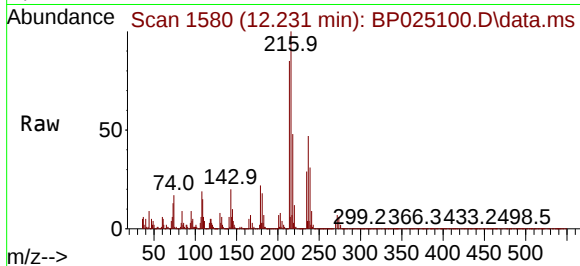




#41
Hexachlorocyclopentadiene
Concen: 6.473 ng
RT: 12.231 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

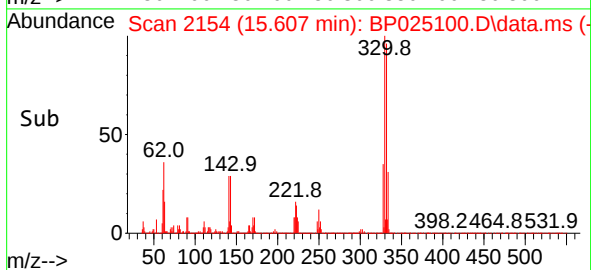
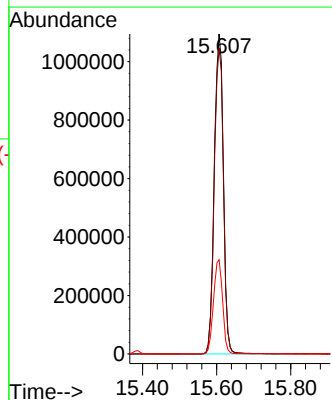
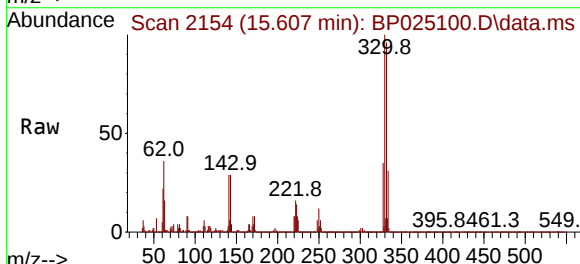
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

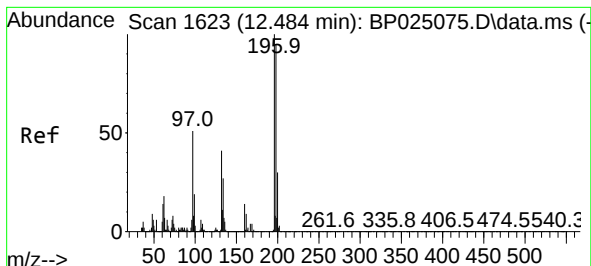
Tgt Ion:	237	Resp:	55424
Ion	Ratio	Lower	Upper
237	100		
235	60.6	41.6	81.6
272	14.6	0.0	33.6



#42
2,4,6-Tribromophenol
Concen: 138.798 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	330	Resp:	1870299
Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.7	116.5
141	29.4	26.0	39.0





#43

2,4,6-Trichlorophenol

Concen: 4.211 ng

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

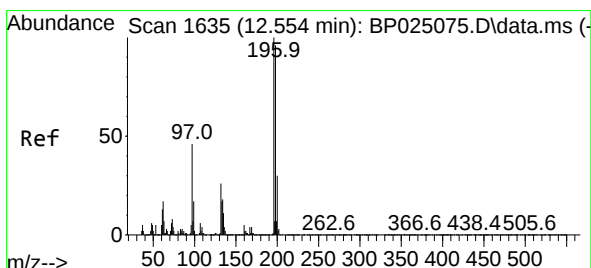
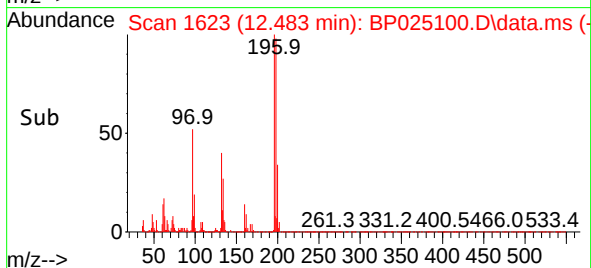
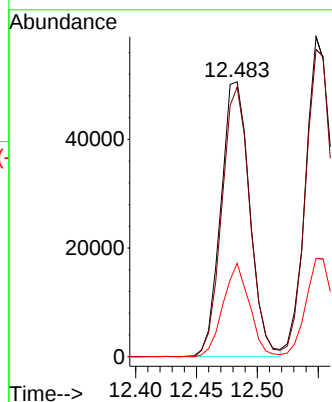
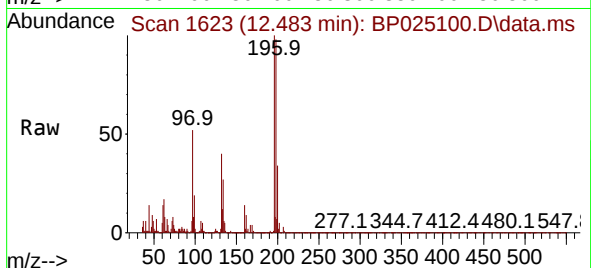
Tgt Ion:196 Resp: 83596

Ion Ratio Lower Upper

196 100

198 98.1 76.2 114.2

200 33.9 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 3.943 ng

RT: 12.548 min Scan# 1634

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Tgt Ion:196 Resp: 88698

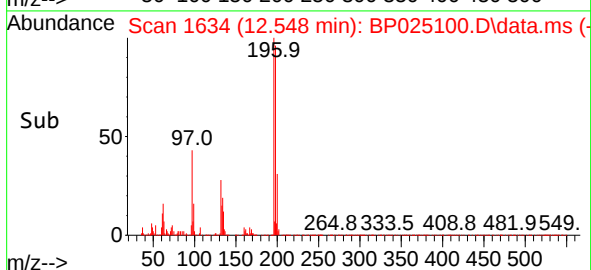
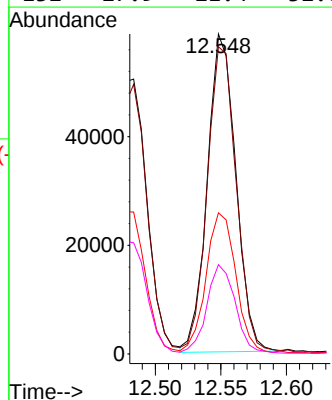
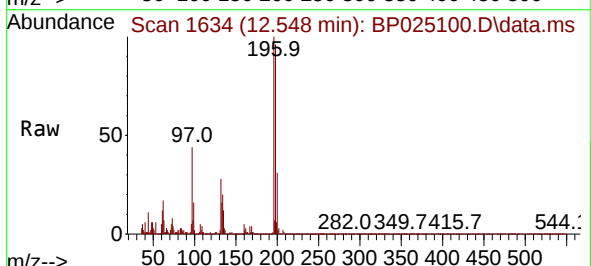
Ion Ratio Lower Upper

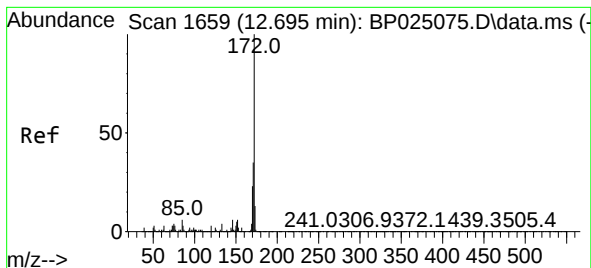
196 100

198 96.0 76.6 115.0

97 44.1 36.6 55.0

132 27.9 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 81.188 ng

RT: 12.689 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

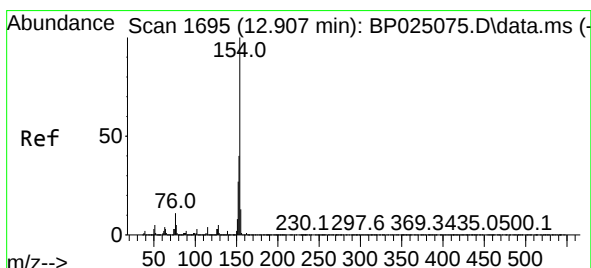
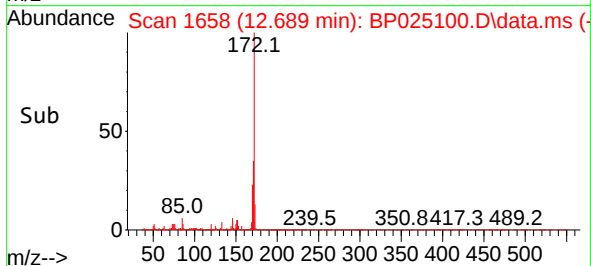
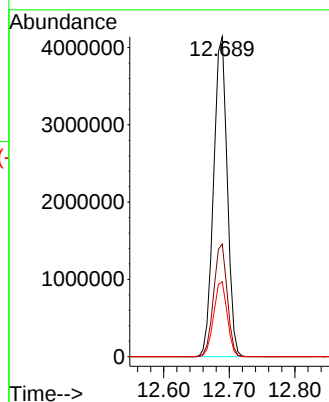
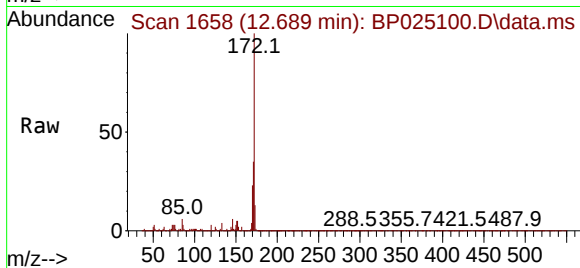
Tgt Ion:172 Resp: 5977891

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 4.293 ng

RT: 12.901 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

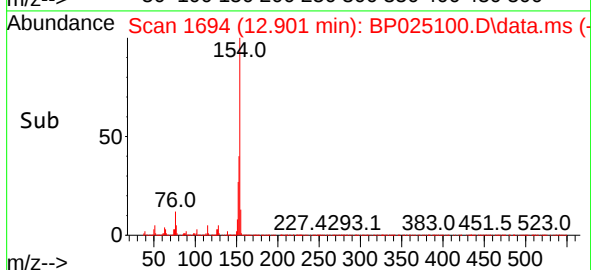
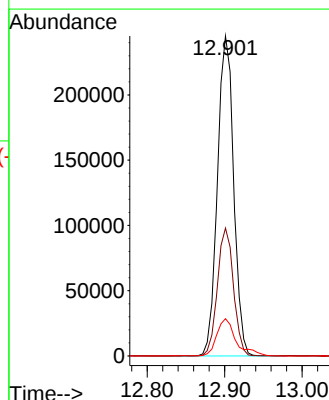
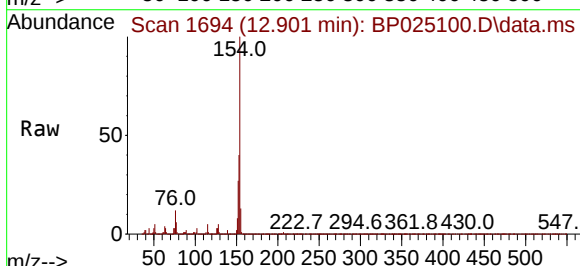
Tgt Ion:154 Resp: 356305

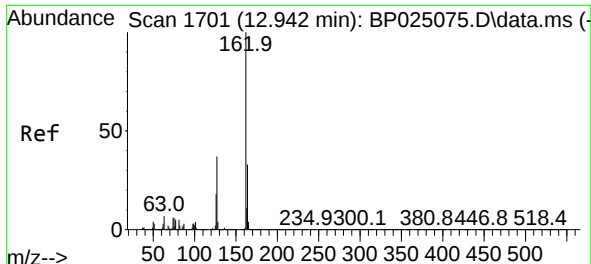
Ion Ratio Lower Upper

154 100

153 39.9 20.2 60.2

76 11.6 0.0 31.5

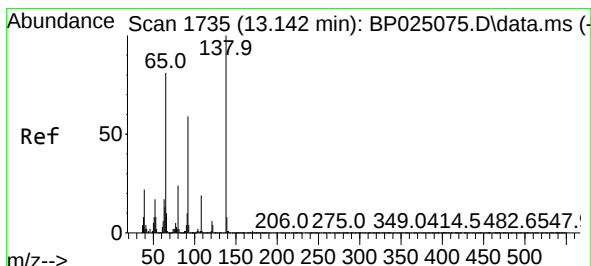
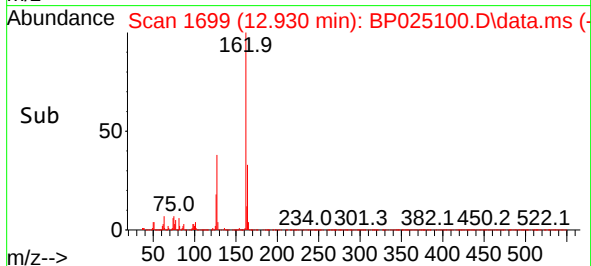
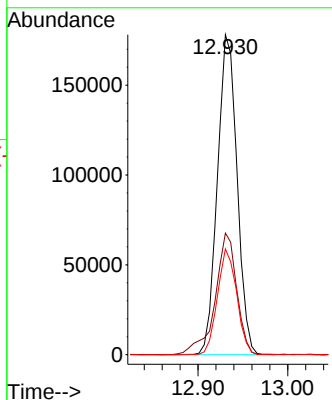
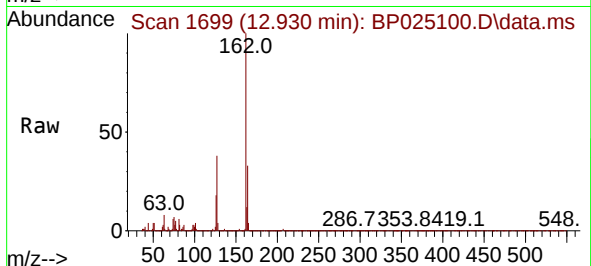




#47
2-Chloronaphthalene
Concen: 4.343 ng
RT: 12.930 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

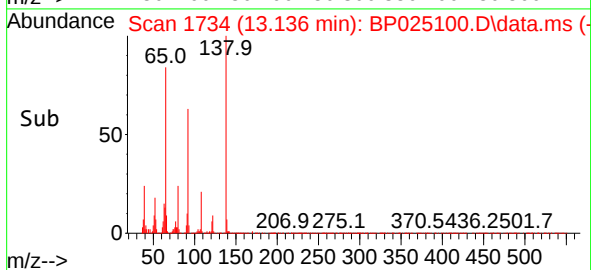
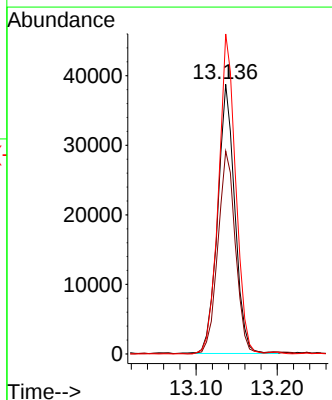
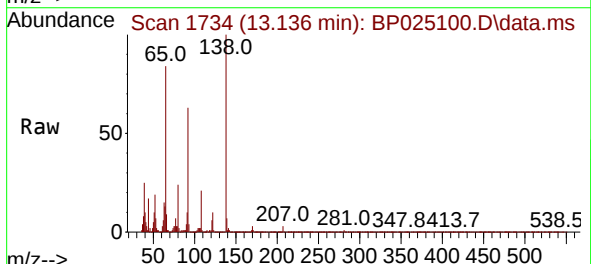
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

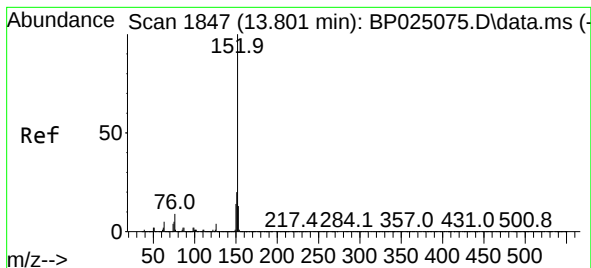
Tgt Ion:162 Resp: 270932
Ion Ratio Lower Upper
162 100
127 38.0 29.4 44.2
164 33.0 26.4 39.6



#48
2-Nitroaniline
Concen: 6.276 ng
RT: 13.136 min Scan# 1734
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 65 Resp: 56939
Ion Ratio Lower Upper
65 100
92 75.2 58.7 88.1
138 118.7 99.0 148.4





#49

Acenaphthylene

Concen: 4.537 ng

RT: 13.795 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

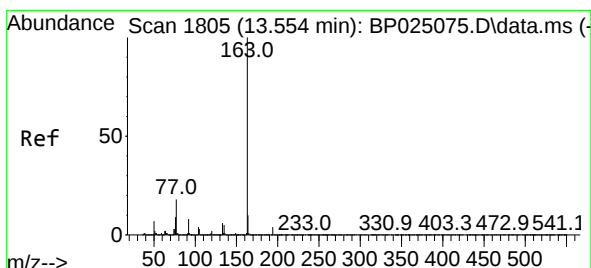
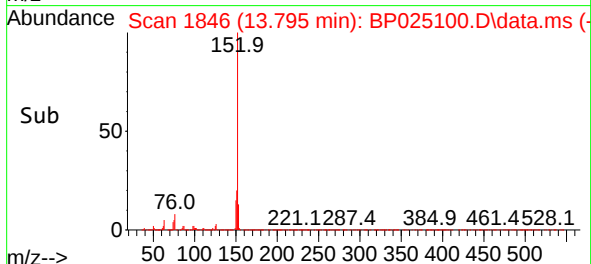
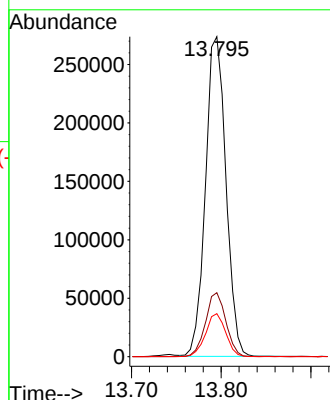
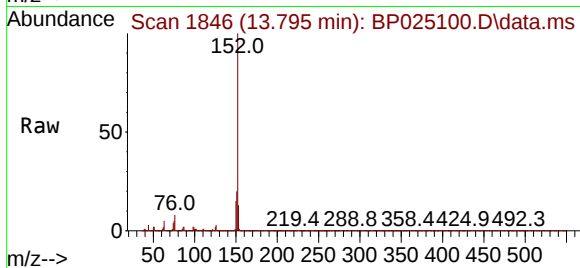
Tgt Ion:152 Resp: 433189

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.5 10.7 16.1



#50

Dimethylphthalate

Concen: 4.324 ng

RT: 13.548 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

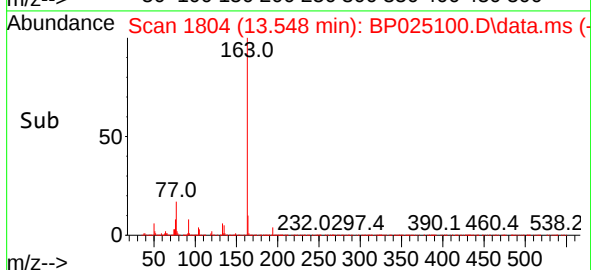
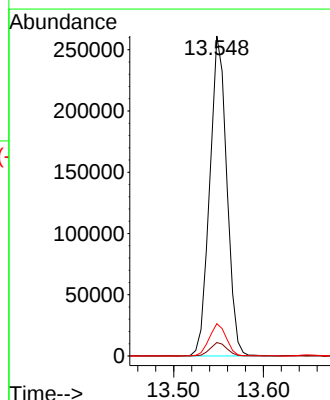
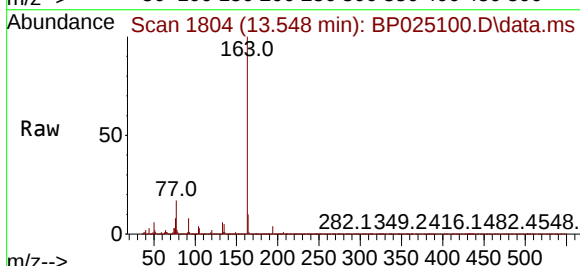
Tgt Ion:163 Resp: 345254

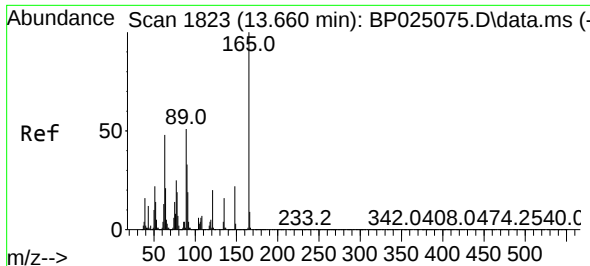
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.1 8.0 12.0

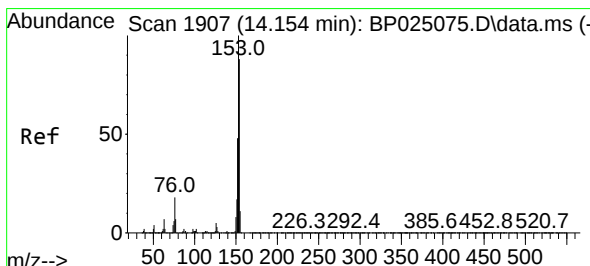
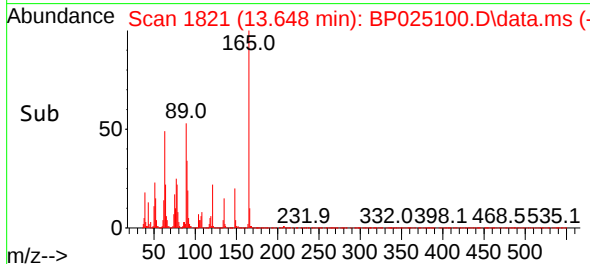
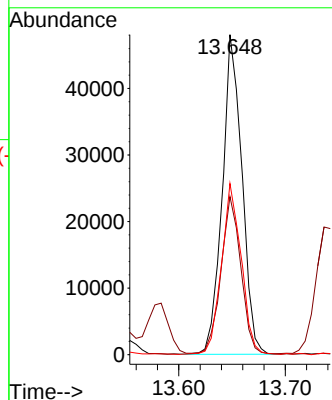
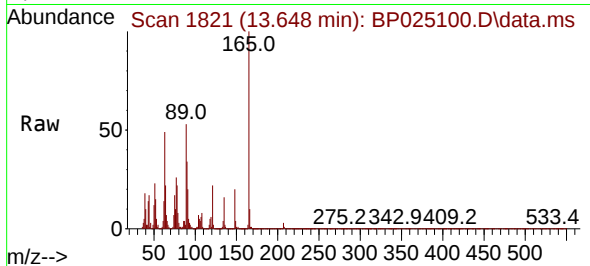




#51
2,6-Dinitrotoluene
Concen: 3.954 ng
RT: 13.648 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

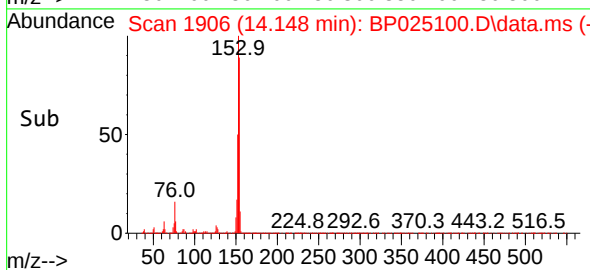
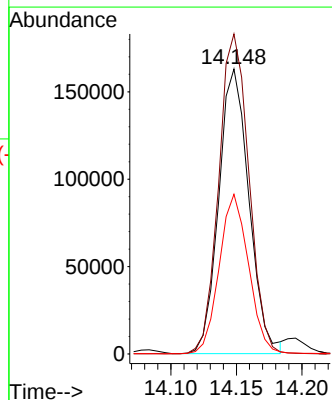
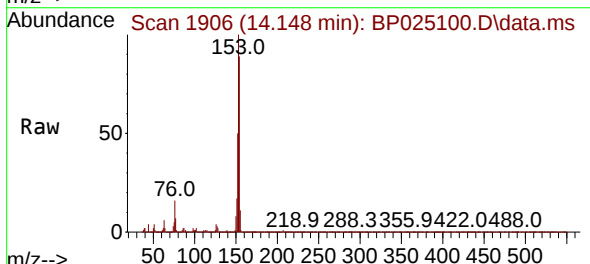
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

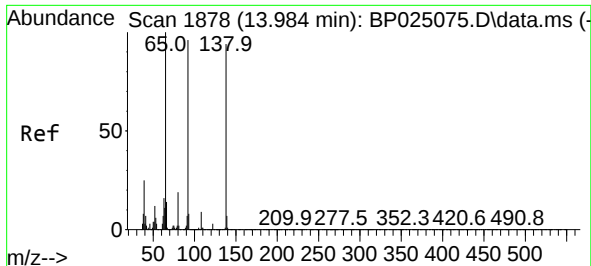
Tgt Ion:	165	Resp:	61578
Ion Ratio	Lower	Upper	
165	100		
63	49.4	38.5	57.7
89	53.5	40.6	61.0



#52
Acenaphthene
Concen: 4.246 ng
RT: 14.148 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	154	Resp:	261245
Ion Ratio	Lower	Upper	
154	100		
153	112.3	90.6	136.0
152	56.1	43.8	65.8

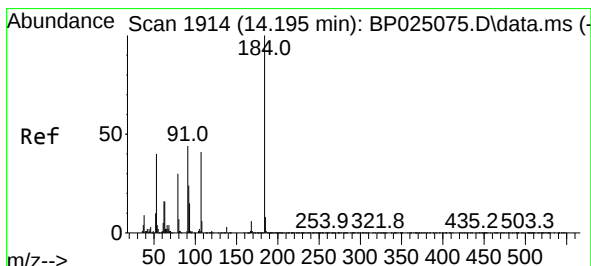
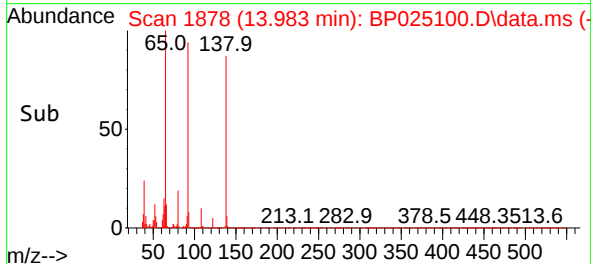
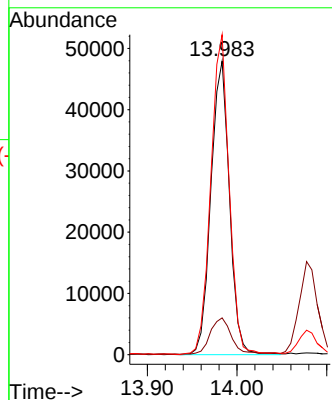
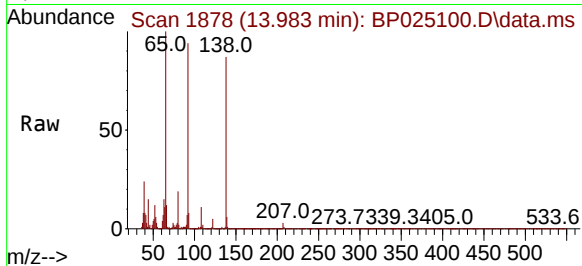




#53
3-Nitroaniline
Concen: 4.111 ng
RT: 13.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

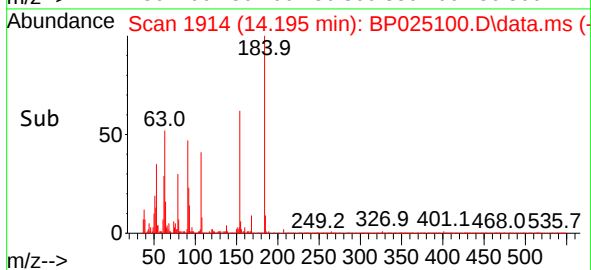
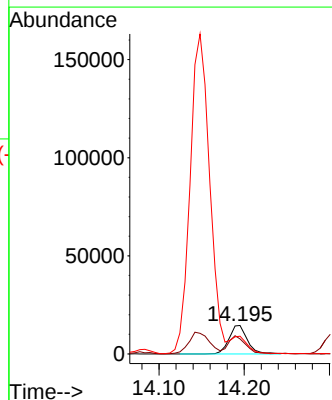
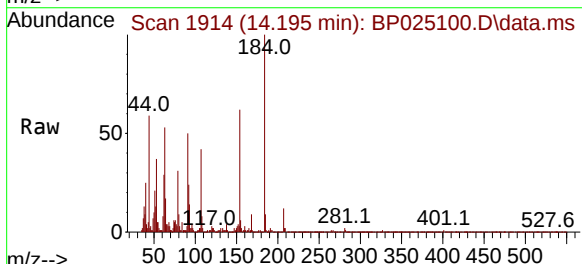
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

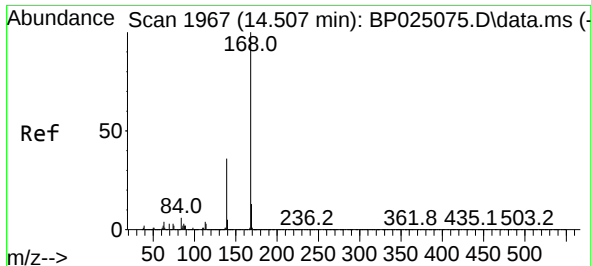
Tgt Ion:138 Resp: 68611
Ion Ratio Lower Upper
138 100
108 12.5 7.8 11.8#
92 109.0 81.0 121.4



#54
2,4-Dinitrophenol
Concen: 8.035 ng
RT: 14.195 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:184 Resp: 21623
Ion Ratio Lower Upper
184 100
63 52.7 47.4 71.0
154 62.1 47.8 71.8

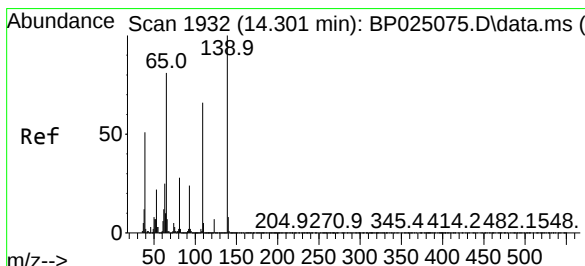
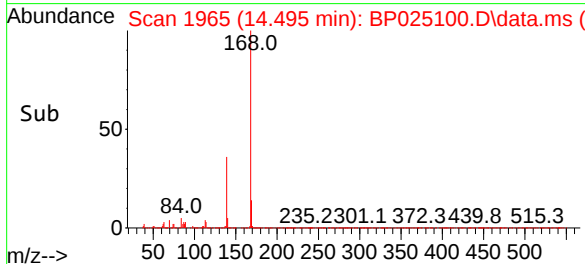
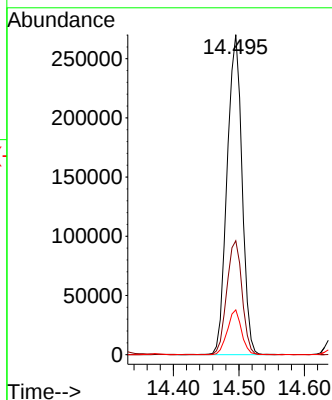
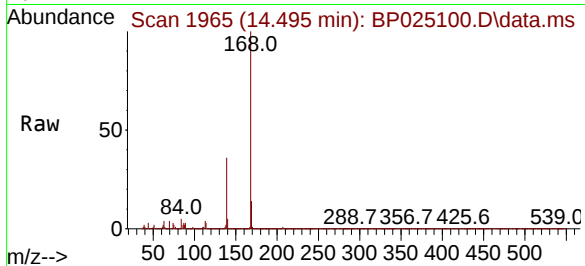




#55
Dibenzenofuran
Concen: 4.208 ng
RT: 14.495 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

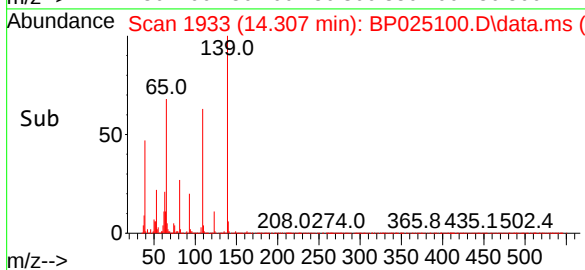
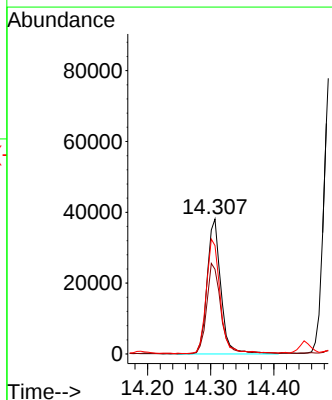
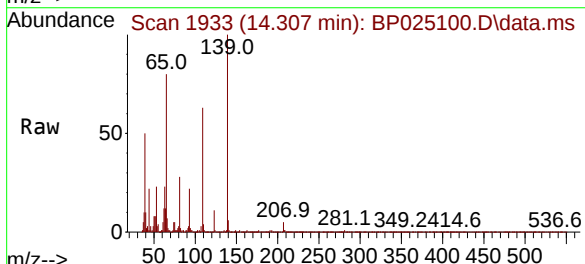
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

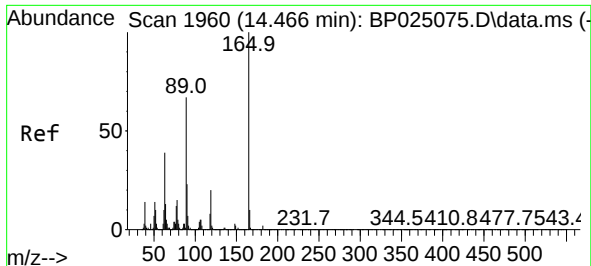
Tgt Ion:168 Resp: 427354
Ion Ratio Lower Upper
168 100
139 35.6 28.6 43.0
169 14.0 10.7 16.1



#56
4-Nitrophenol
Concen: 3.729 ng
RT: 14.307 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:139 Resp: 57435
Ion Ratio Lower Upper
139 100
109 62.8 45.9 85.9
65 80.3 61.4 101.4

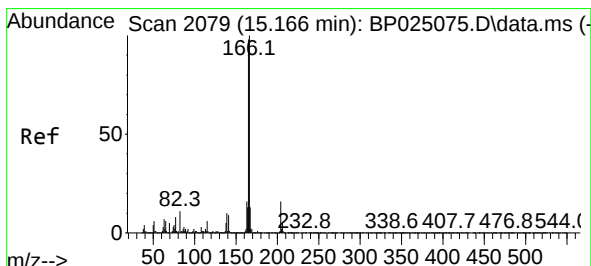
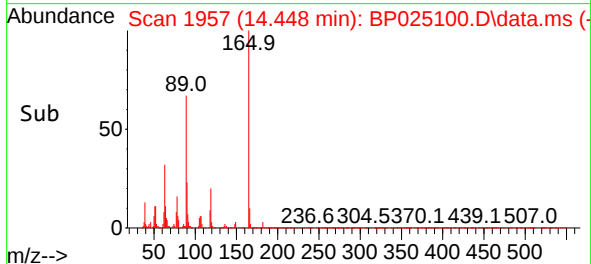
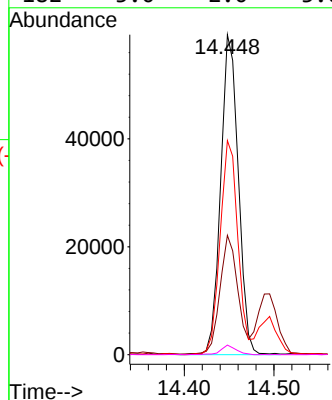
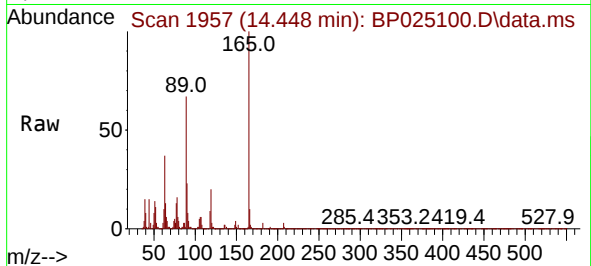




#57
2,4-Dinitrotoluene
Concen: 5.984 ng
RT: 14.448 min Scan# 1957
Delta R.T. -0.018 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

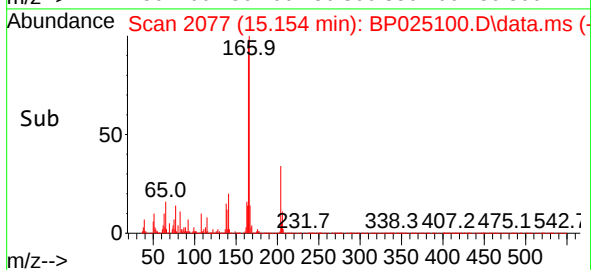
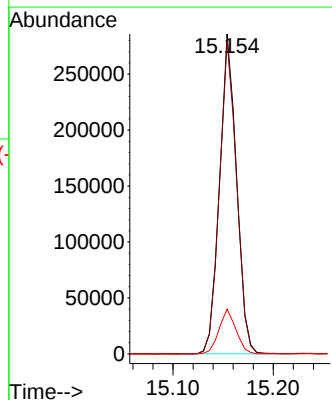
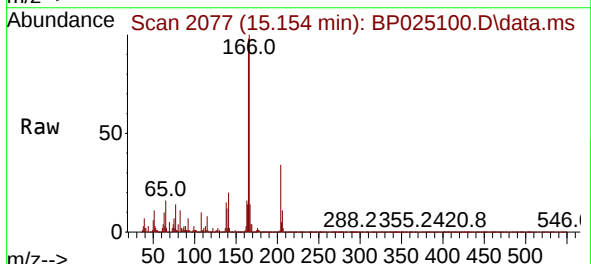
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

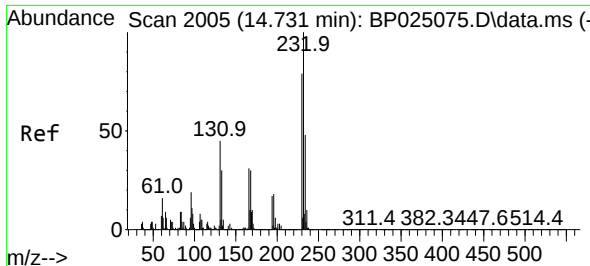
Tgt Ion:	165	Resp:	80941
Ion Ratio	Lower	Upper	
165	100		
63	37.3	31.0	46.4
89	66.9	53.4	80.0
182	3.0	2.0	3.0



#58
Fluorene
Concen: 4.292 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	166	Resp:	337154
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.6	117.8
167	14.0	10.7	16.1

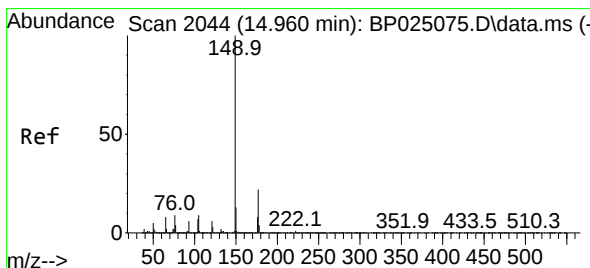
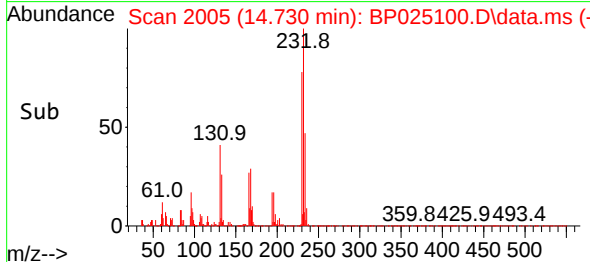
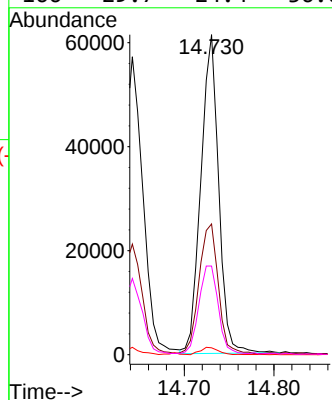
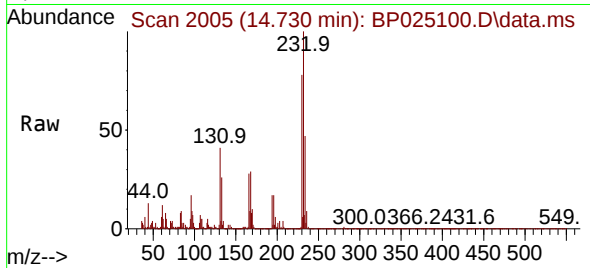




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.153 ng
RT: 14.730 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

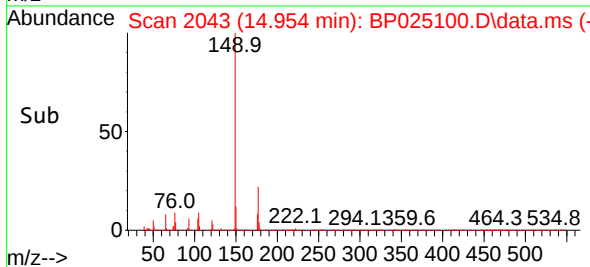
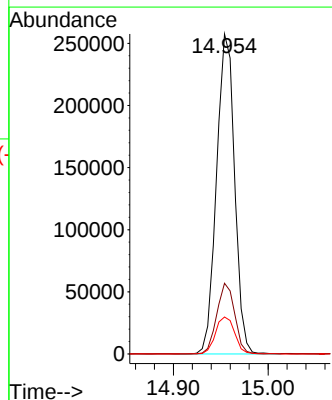
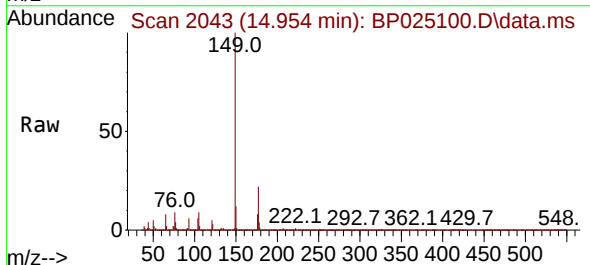
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

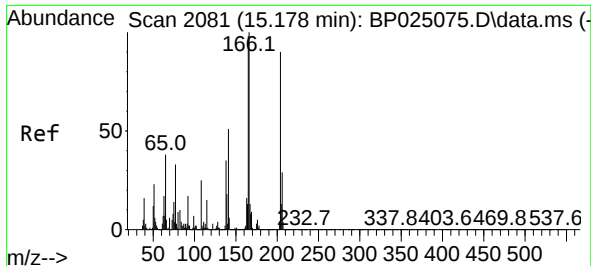
Tgt Ion:	232	Resp:	84595
Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.7	53.5
130	2.4	1.8	2.6
166	29.7	24.4	36.6



#60
Diethylphthalate
Concen: 4.266 ng
RT: 14.954 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:	149	Resp:	342094
Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.8
150	11.6	10.2	15.2

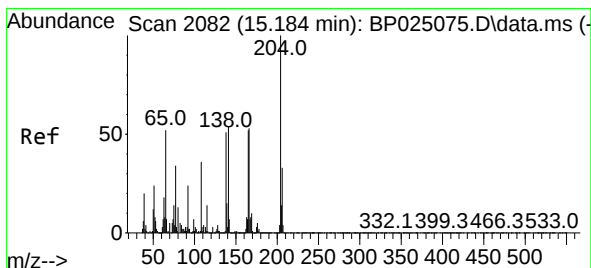
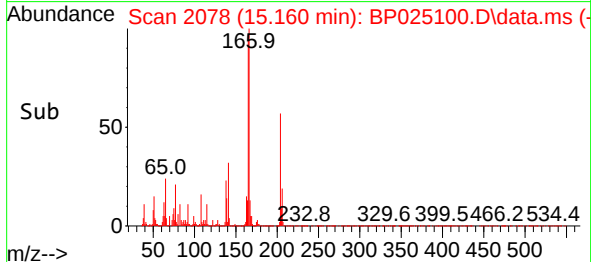
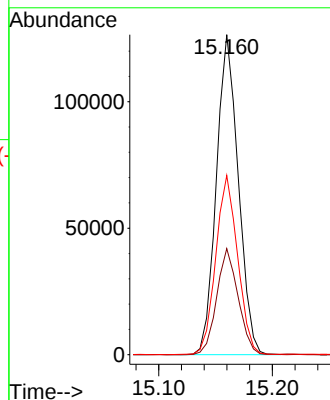
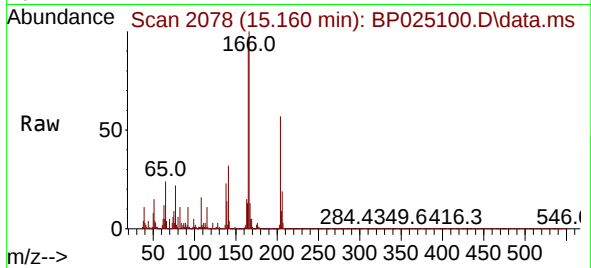




#61
4-Chlorophenyl-phenylether
Concen: 4.362 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.018 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

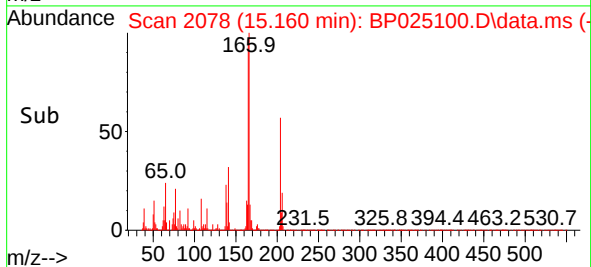
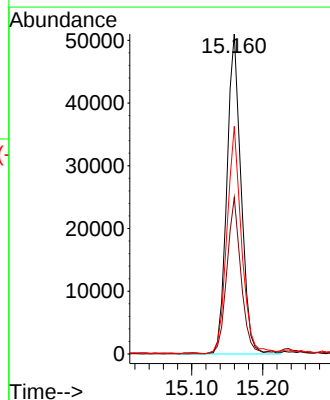
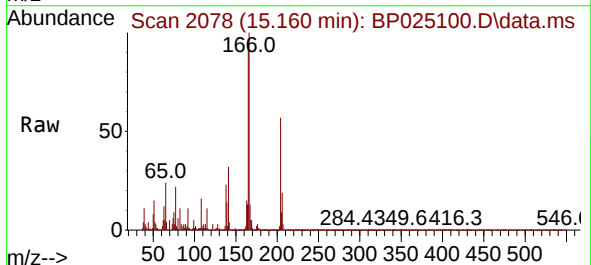
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

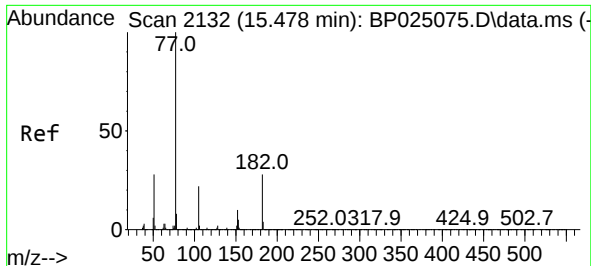
Tgt Ion:204 Resp: 169549
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.6
141 56.0 45.1 67.7



#62
4-Nitroaniline
Concen: 4.038 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.024 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:138 Resp: 70669
Ion Ratio Lower Upper
138 100
92 48.9 26.0 66.0
108 71.1 50.0 90.0

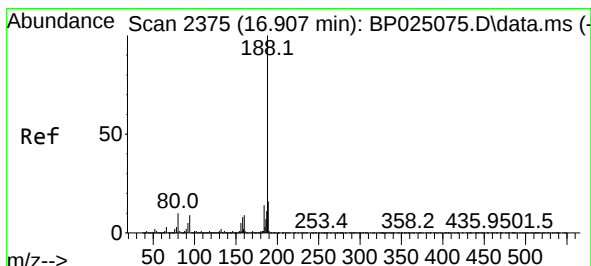
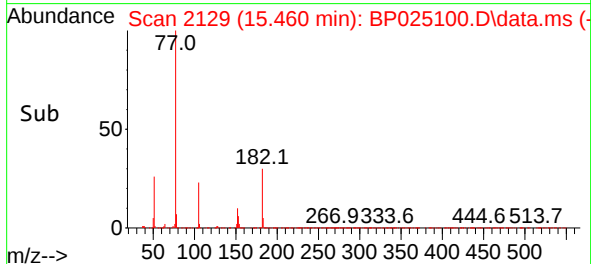
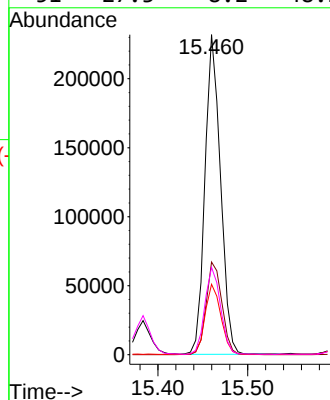
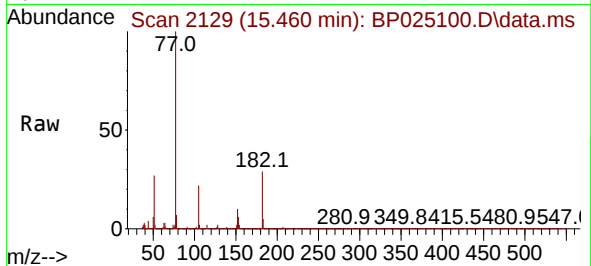




#63
Azobenzene
Concen: 3.906 ng
RT: 15.460 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

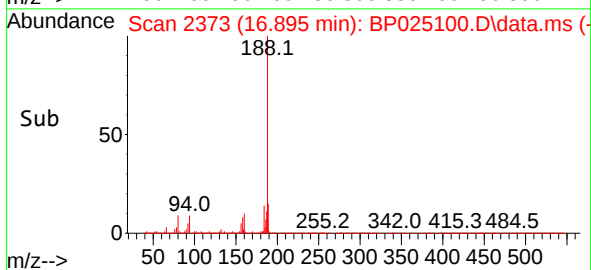
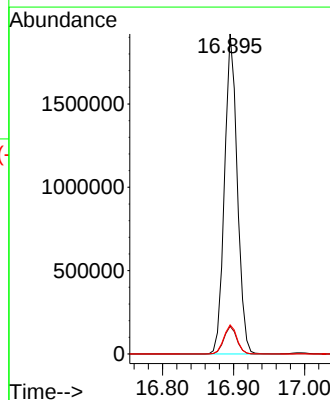
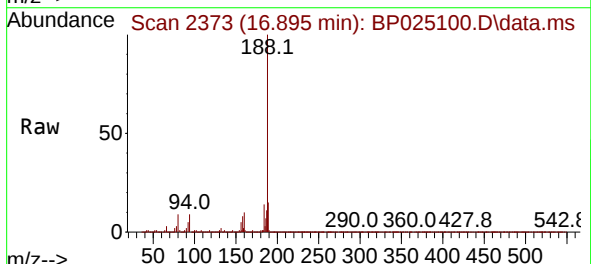
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

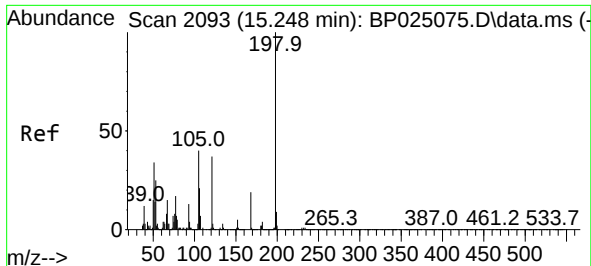
Tgt Ion: 77	Resp: 278902
Ion Ratio	Lower Upper
77 100	
182 29.0	7.7 47.7
105 22.0	1.9 41.9
51 27.3	8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion: 188	Resp: 2380212
Ion Ratio	Lower Upper
188 100	
94 8.7	7.3 10.9
80 9.1	7.8 11.6

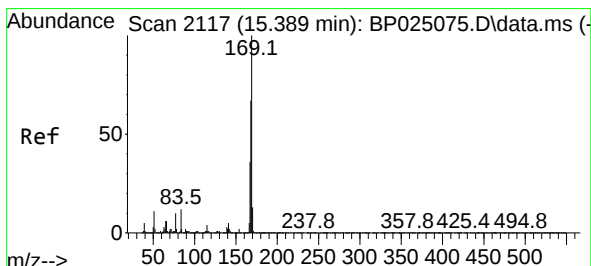
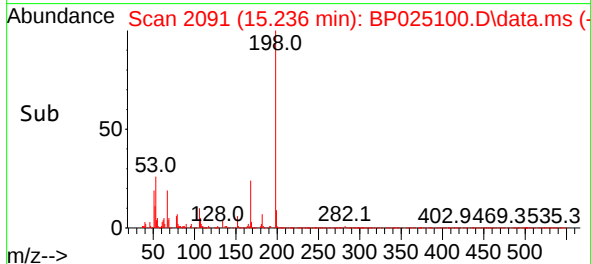
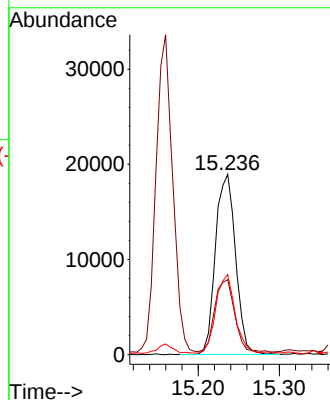
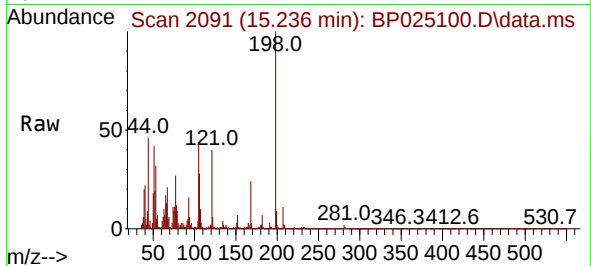




#65
4,6-Dinitro-2-methylphenol
Concen: 8.238 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

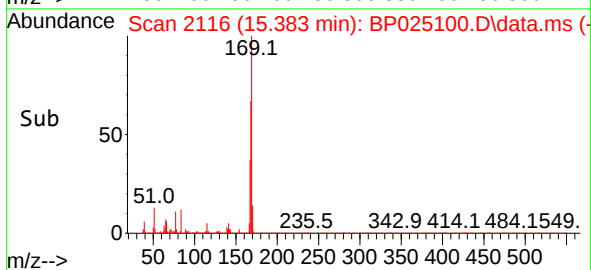
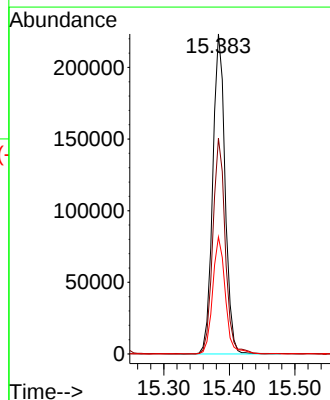
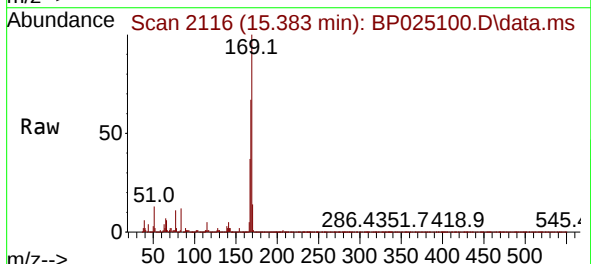
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2025

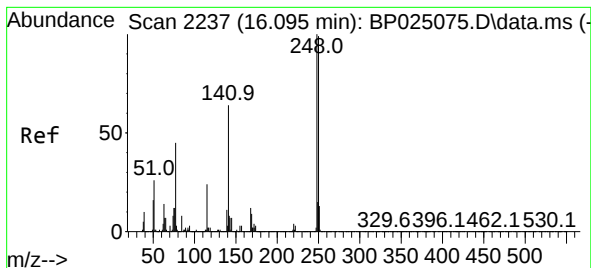
Tgt Ion:198 Resp: 32590
Ion Ratio Lower Upper
198 100
51 41.6 16.8 56.8
105 44.5 20.8 60.8



#66
n-Nitrosodiphenylamine
Concen: 4.301 ng
RT: 15.383 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:169 Resp: 292947
Ion Ratio Lower Upper
169 100
168 67.4 54.1 81.1
167 36.5 29.0 43.6

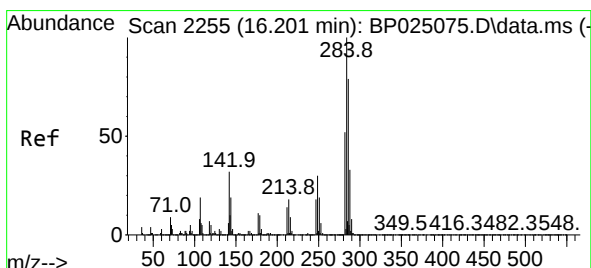
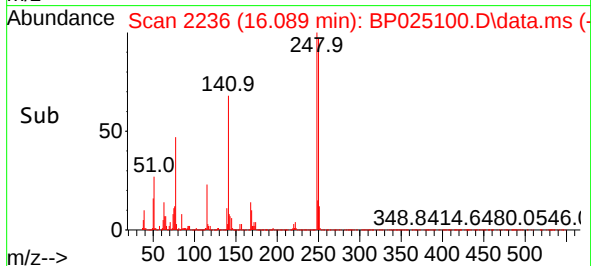
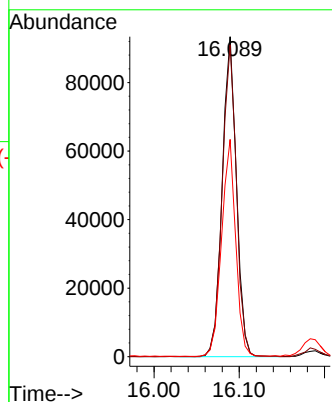
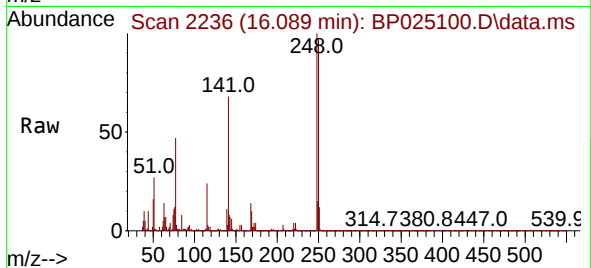




#67
4-Bromophenyl-phenylether
Concen: 4.426 ng
RT: 16.089 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

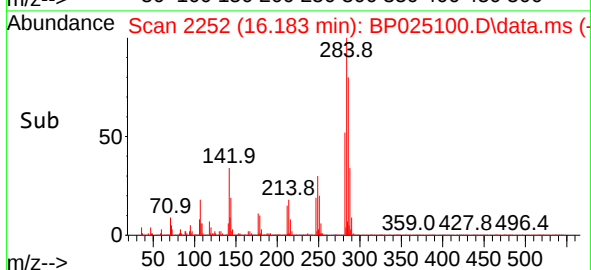
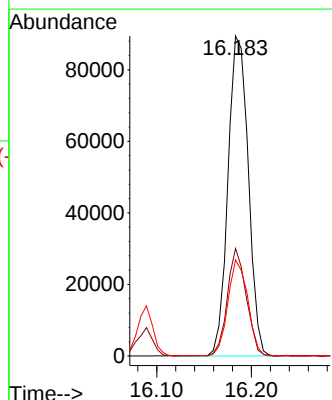
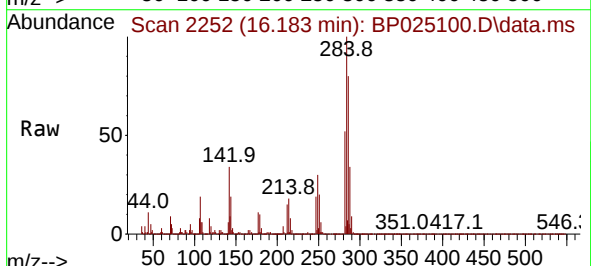
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

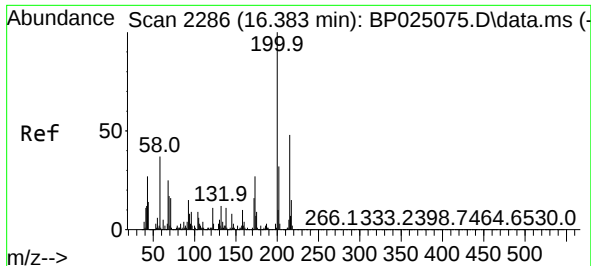
Tgt Ion:248 Resp: 107867
Ion Ratio Lower Upper
248 100
250 97.5 79.4 119.2
141 67.9 51.4 77.0



#68
Hexachlorobenzene
Concen: 4.471 ng
RT: 16.183 min Scan# 2252
Delta R.T. -0.018 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:284 Resp: 133189
Ion Ratio Lower Upper
284 100
142 33.6 25.9 38.9
249 30.0 23.8 35.8

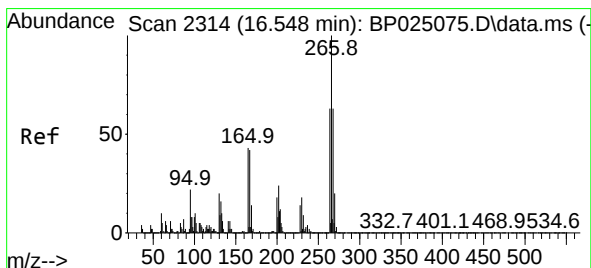
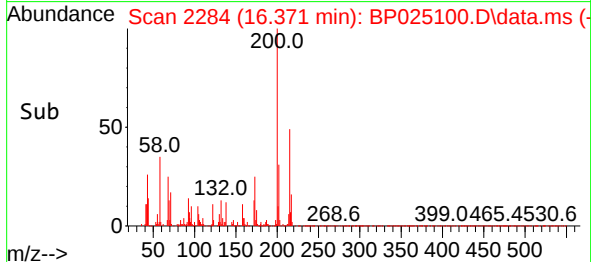
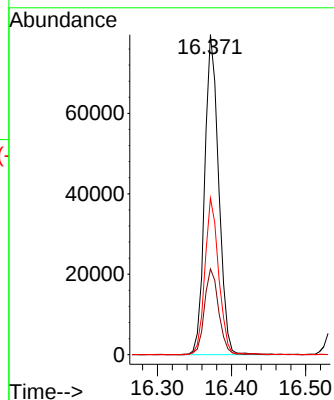
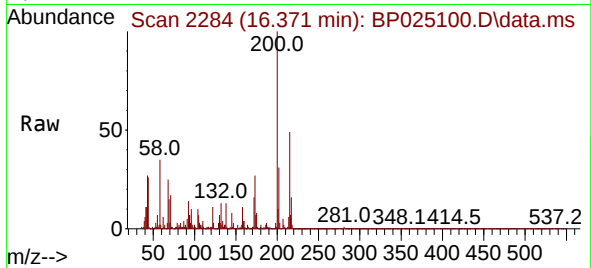




#69
 Atrazine
 Concen: 5.232 ng
 RT: 16.371 min Scan# 211
 Delta R.T. -0.012 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

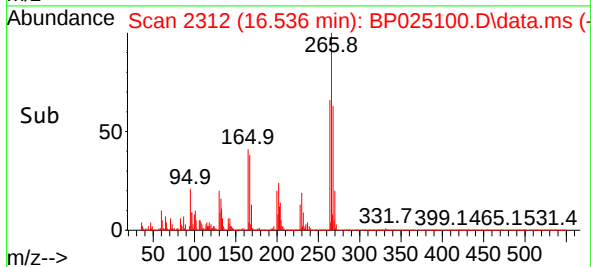
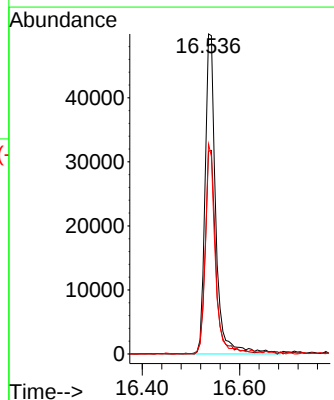
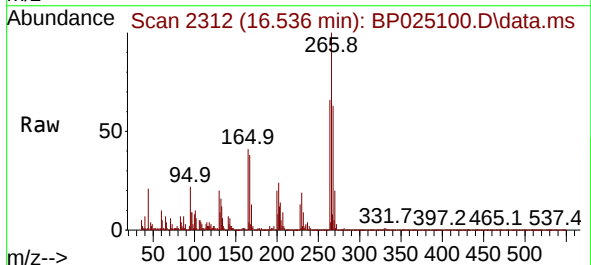
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

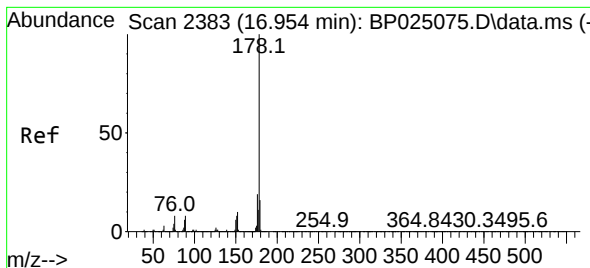
Tgt Ion:200 Resp: 104444
 Ion Ratio Lower Upper
 200 100
 173 26.8 6.6 46.6
 215 48.9 28.0 68.0



#70
 Pentachlorophenol
 Concen: 3.786 ng
 RT: 16.536 min Scan# 2312
 Delta R.T. -0.012 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

Tgt Ion:266 Resp: 76168
 Ion Ratio Lower Upper
 266 100
 268 63.3 50.4 75.6
 264 65.6 50.2 75.2





#71

Phenanthrene

Concen: 4.437 ng

RT: 16.936 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

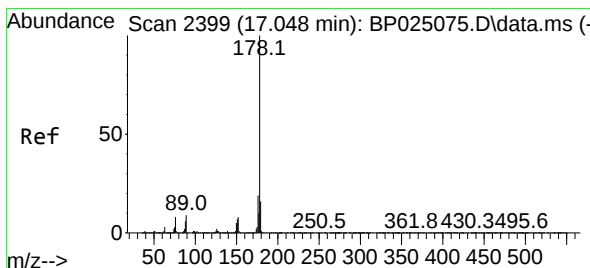
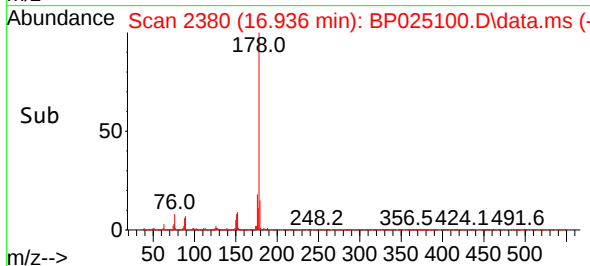
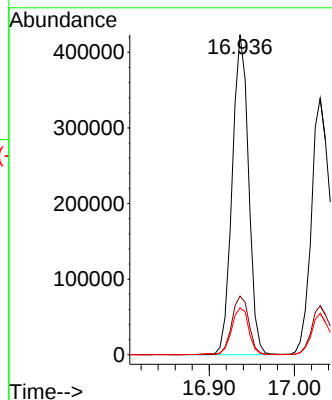
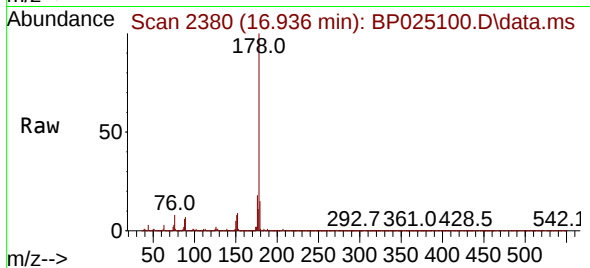
Tgt Ion:178 Resp: 564302

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 14.6 12.6 19.0



#72

Anthracene

Concen: 4.505 ng

RT: 17.030 min Scan# 2396

Delta R.T. -0.018 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

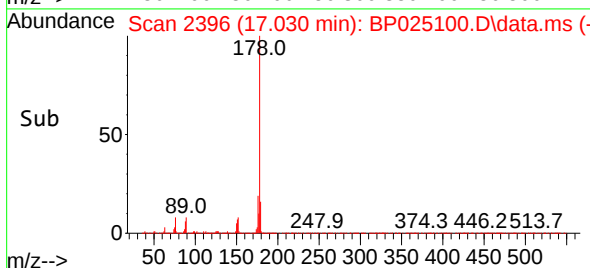
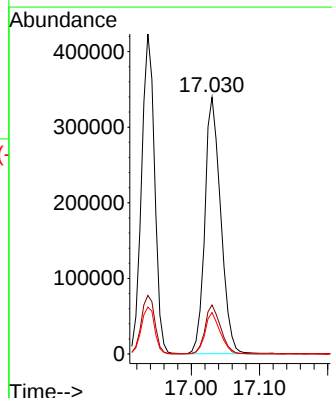
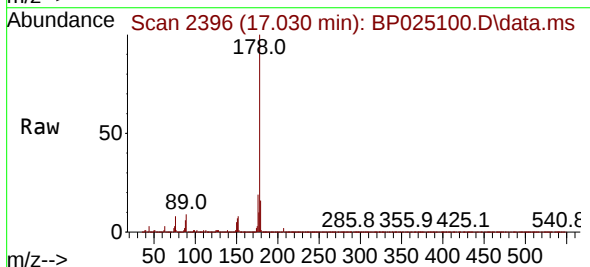
Tgt Ion:178 Resp: 549671

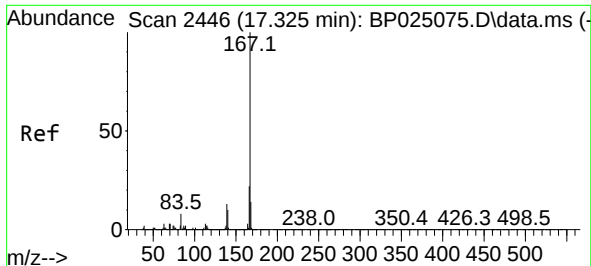
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 16.2 12.5 18.7

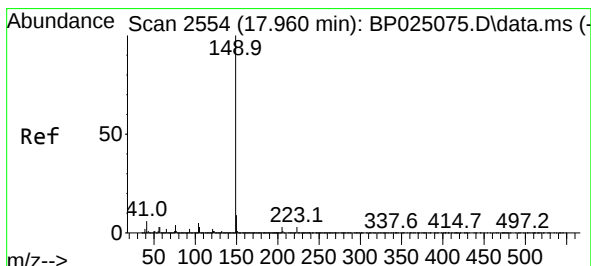
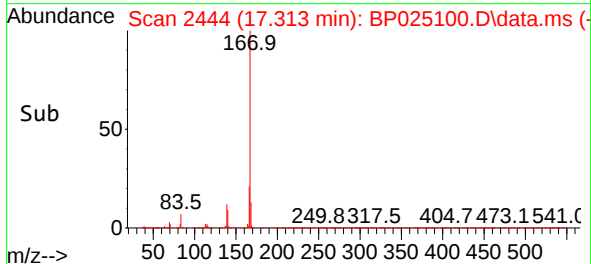
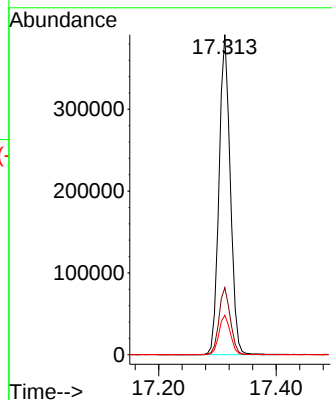
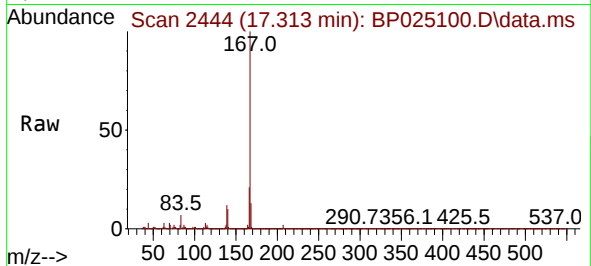




#73
Carbazole
Concen: 4.333 ng
RT: 17.313 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

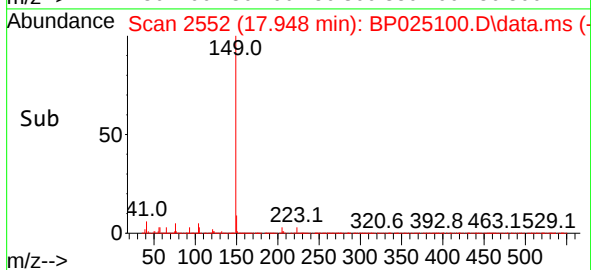
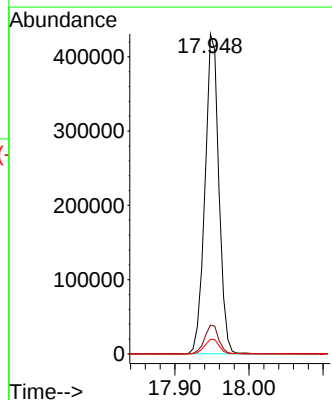
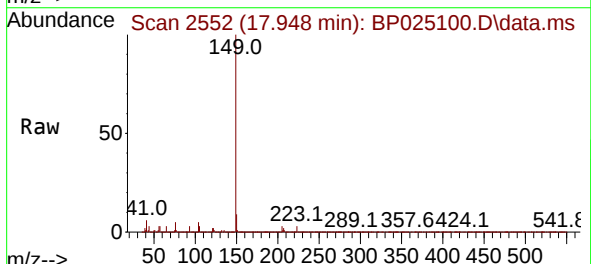
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

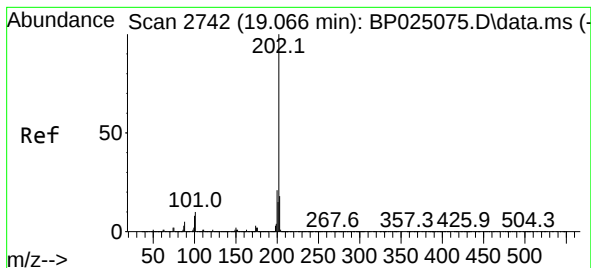
Tgt Ion:167 Resp: 516915
Ion Ratio Lower Upper
167 100
166 20.9 17.4 26.0
139 12.4 10.4 15.6



#74
Di-n-butylphthalate
Concen: 4.210 ng
RT: 17.948 min Scan# 2552
Delta R.T. -0.012 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:149 Resp: 559360
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 4.6 3.8 5.6





#75

Fluoranthene

Concen: 4.298 ng

RT: 19.036 min Scan# 21

Delta R.T. -0.030 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

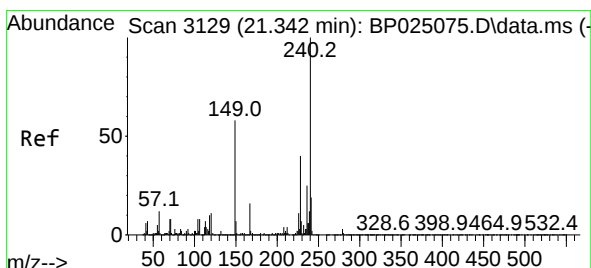
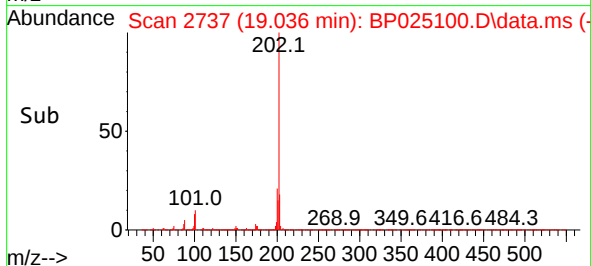
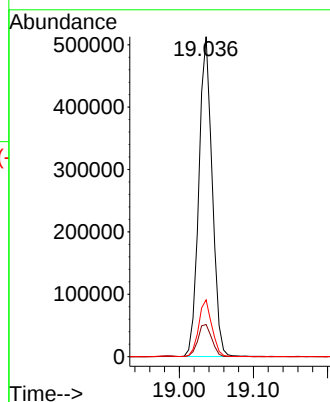
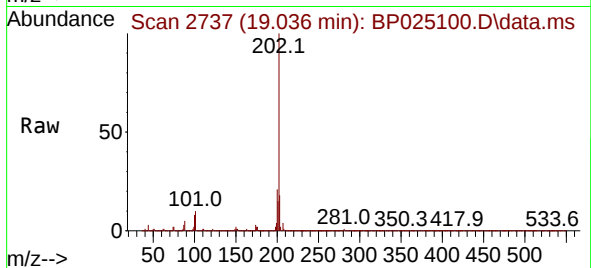
Tgt Ion:202 Resp: 638930

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.4

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.324 min Scan# 3126

Delta R.T. -0.018 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

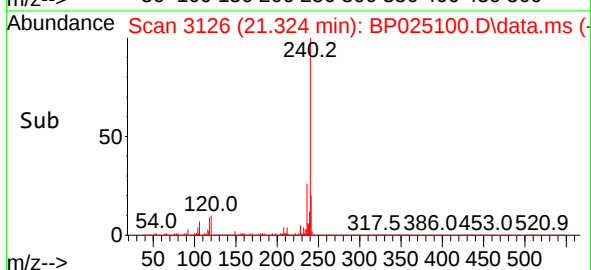
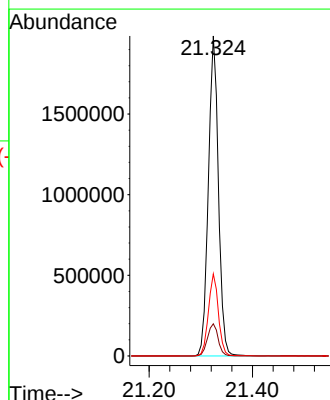
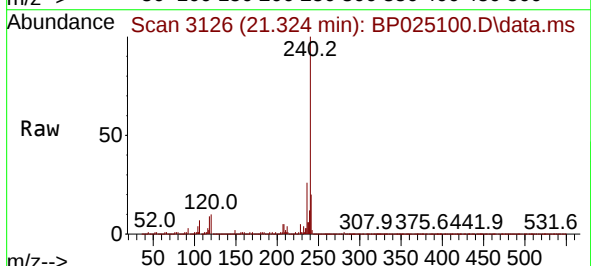
Tgt Ion:240 Resp: 2671410

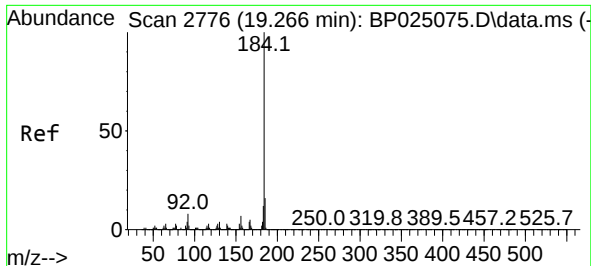
Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.4

236 25.7 20.3 30.5

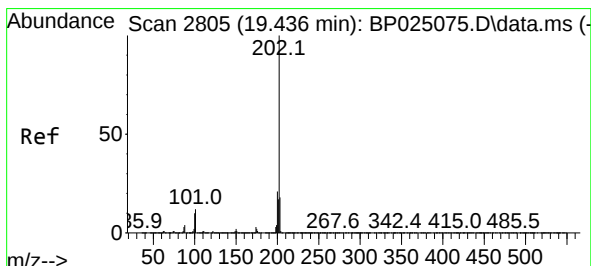
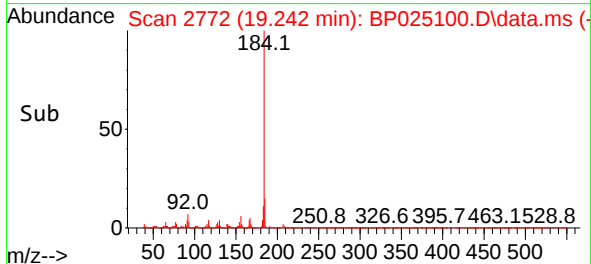
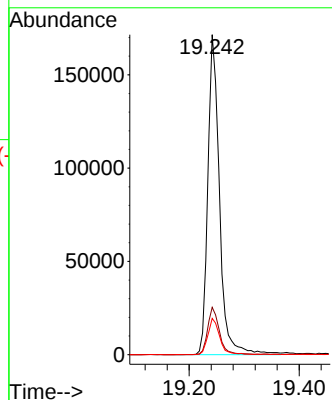
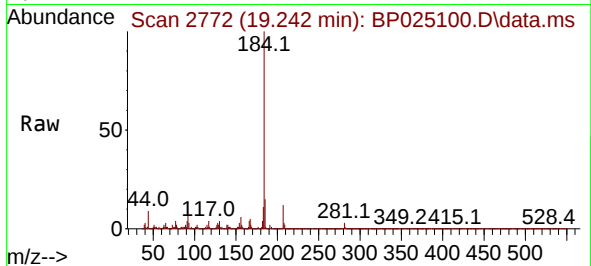




#77
Benzidine
Concen: 5.346 ng
RT: 19.242 min Scan# 2776
Delta R.T. -0.024 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

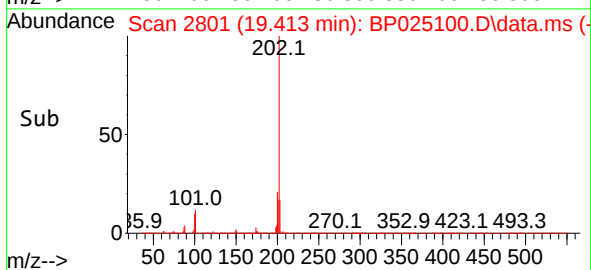
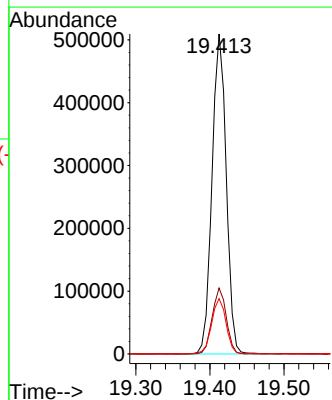
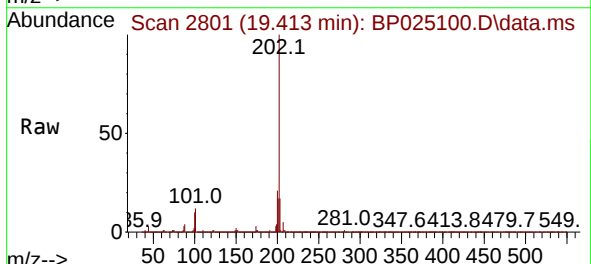
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

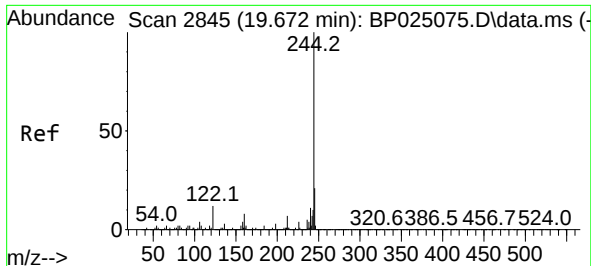
Tgt Ion:184 Resp: 252246
Ion Ratio Lower Upper
184 100
185 14.8 12.6 18.8
183 11.3 9.4 14.2



#78
Pyrene
Concen: 4.095 ng
RT: 19.413 min Scan# 2801
Delta R.T. -0.024 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:202 Resp: 677518
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.3 14.1 21.1

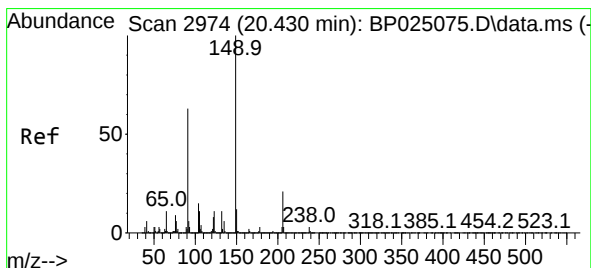
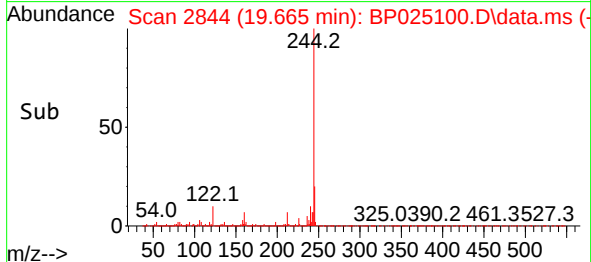
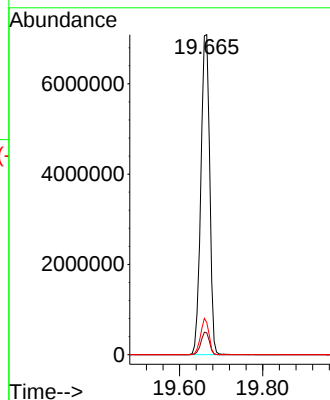
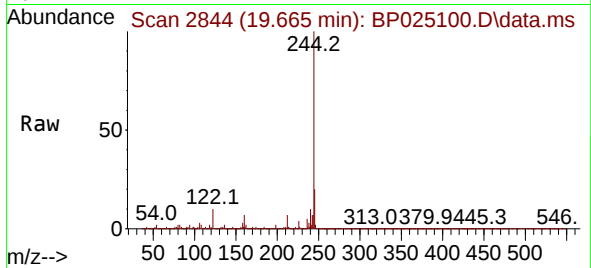




#79
 Terphenyl-d14
 Concen: 85.966 ng
 RT: 19.665 min Scan# 2844
 Delta R.T. -0.006 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

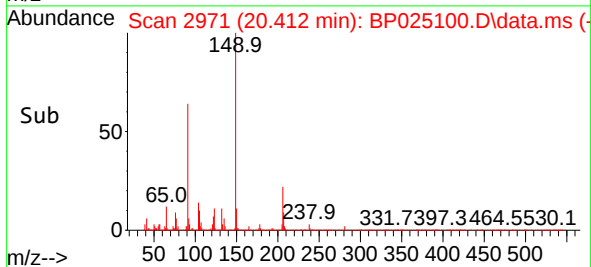
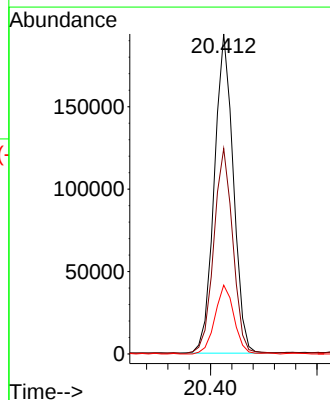
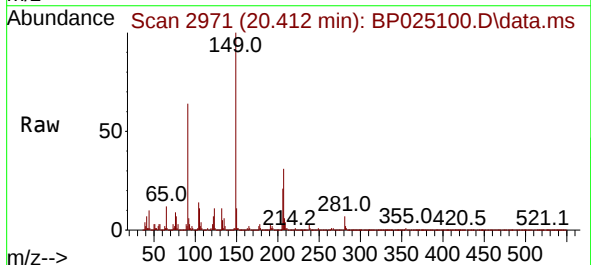
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

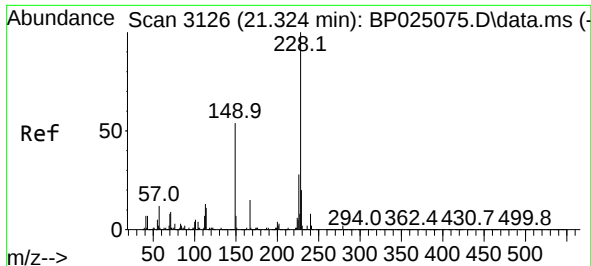
Tgt Ion:244 Resp:10449207
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.1 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 7.160 ng
 RT: 20.412 min Scan# 2971
 Delta R.T. -0.018 min
 Lab File: BP025100.D
 Acq: 11 Jul 2025 11:50

Tgt Ion:149 Resp: 240119
 Ion Ratio Lower Upper
 149 100
 91 64.2 50.6 76.0
 206 21.5 17.2 25.8

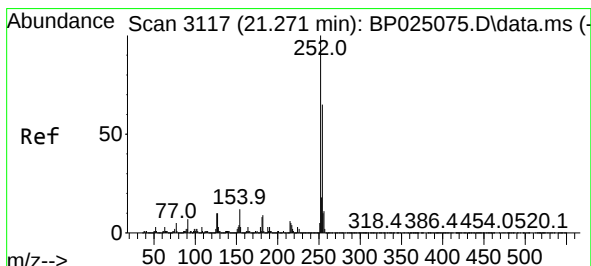
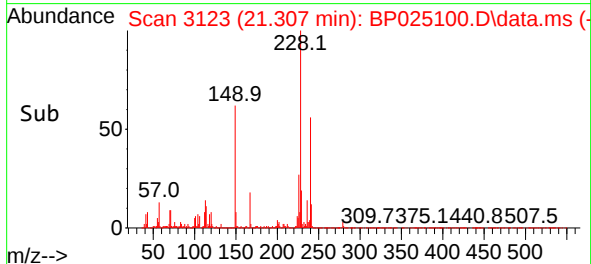
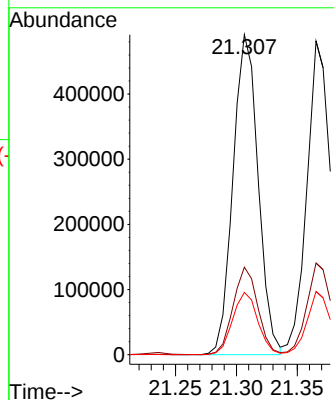
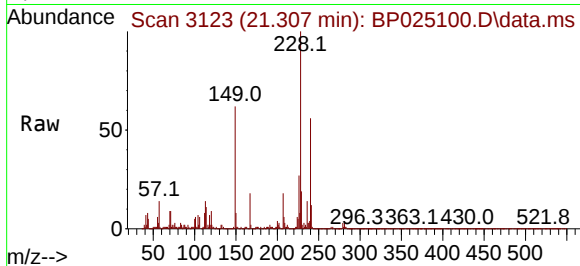




#81
Benzo(a)anthracene
Concen: 4.354 ng
RT: 21.307 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

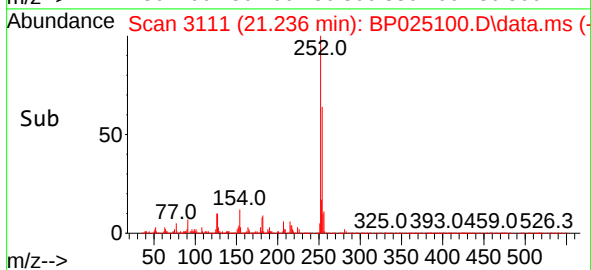
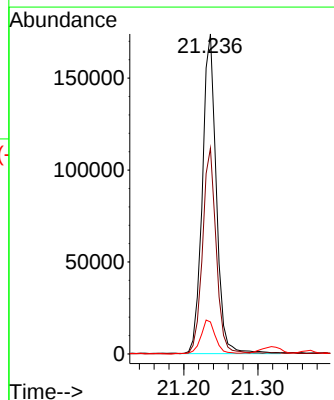
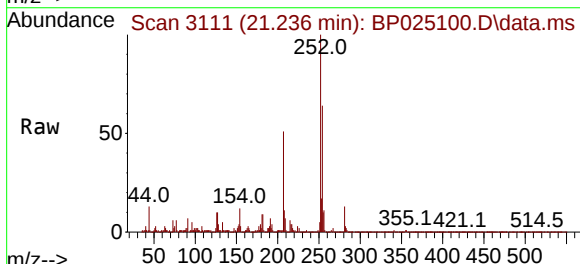
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

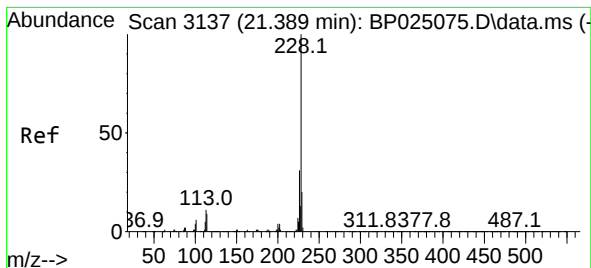
Tgt Ion:228 Resp: 704940
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 19.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 4.683 ng
RT: 21.236 min Scan# 3111
Delta R.T. -0.036 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:252 Resp: 228220
Ion Ratio Lower Upper
252 100
254 64.3 51.9 77.9
126 10.0 8.1 12.1





#83

Chrysene

Concen: 4.291 ng

RT: 21.365 min Scan# 3137

Delta R.T. -0.024 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

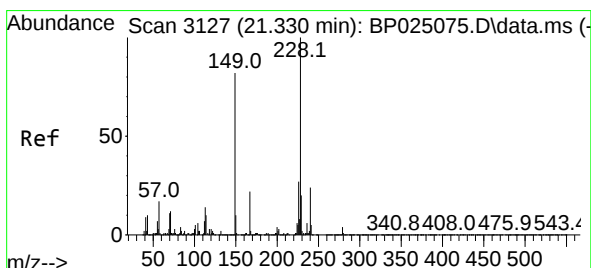
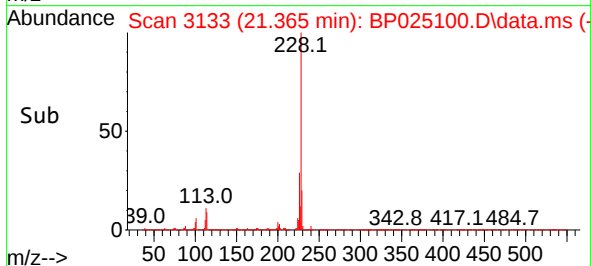
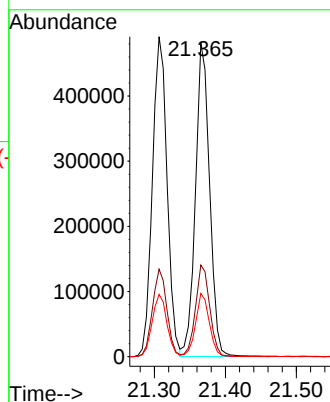
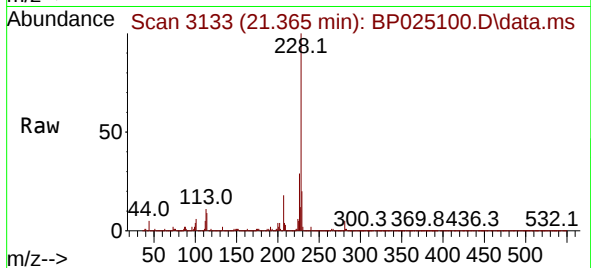
Tgt Ion:228 Resp: 668534

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 20.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.264 ng

RT: 21.307 min Scan# 3123

Delta R.T. -0.024 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

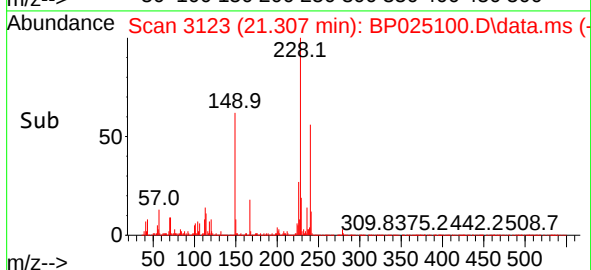
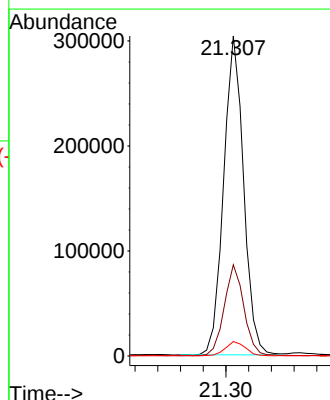
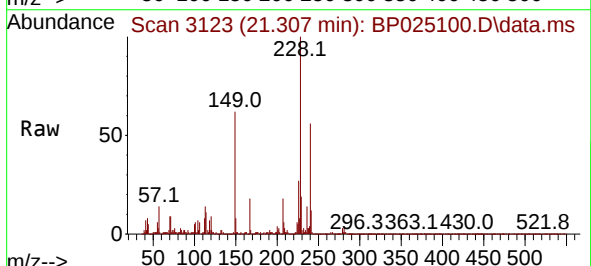
Tgt Ion:149 Resp: 370261

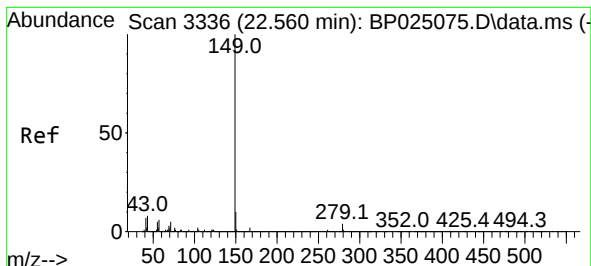
Ion Ratio Lower Upper

149 100

167 28.5 21.9 32.9

279 4.5 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 9.245 ng

RT: 22.524 min Scan# 31

Delta R.T. -0.036 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

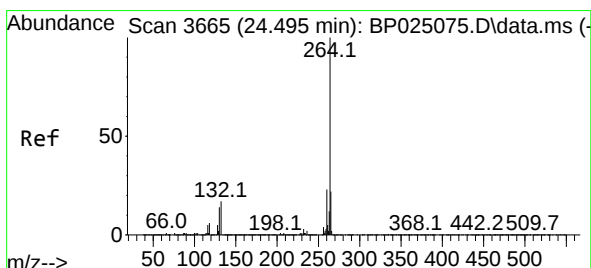
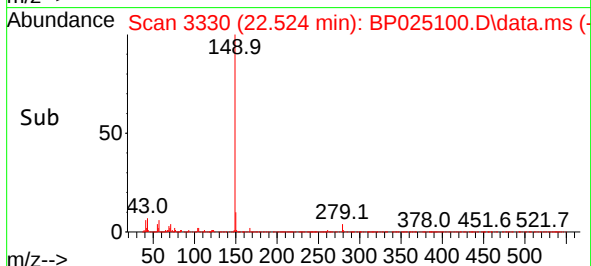
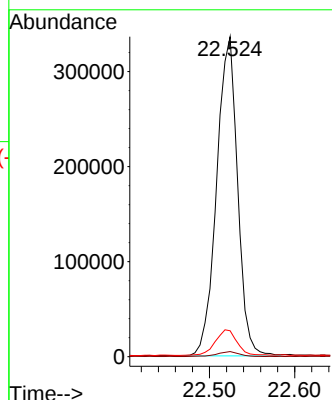
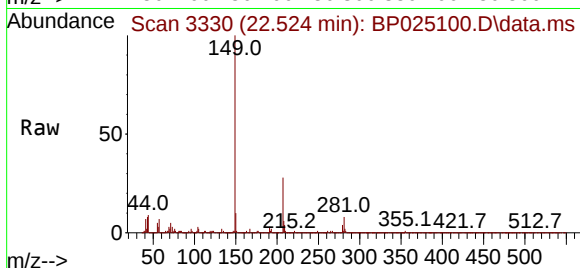
Tgt Ion:149 Resp: 573934

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.4 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.453 min Scan# 3658

Delta R.T. -0.041 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

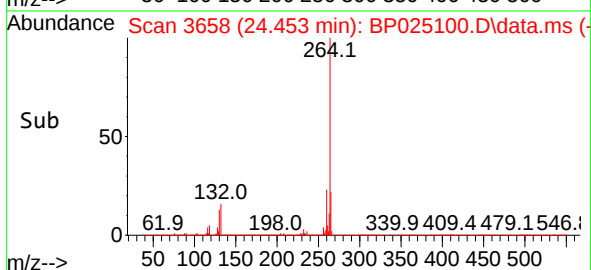
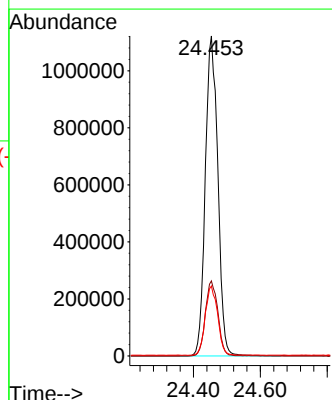
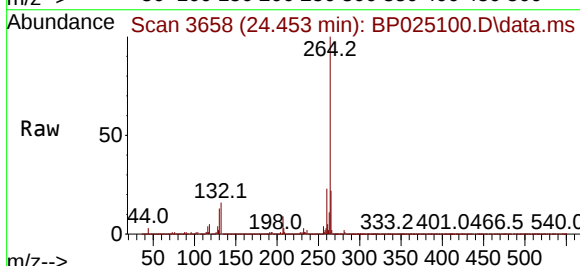
Tgt Ion:264 Resp: 2913884

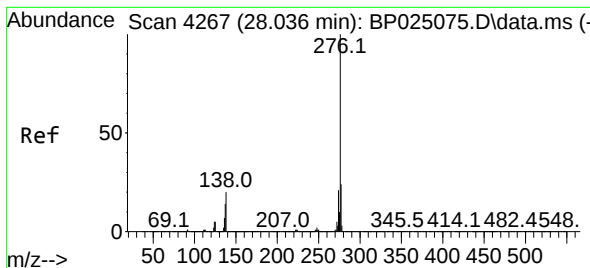
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.9 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.624 ng

RT: 27.965 min Scan# 41

Delta R.T. -0.071 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

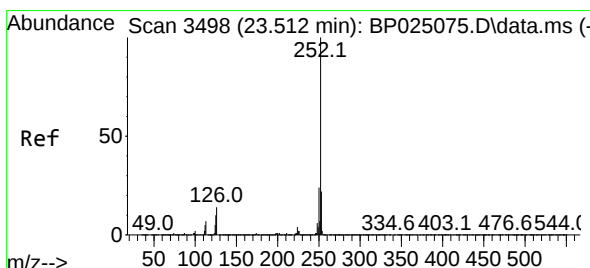
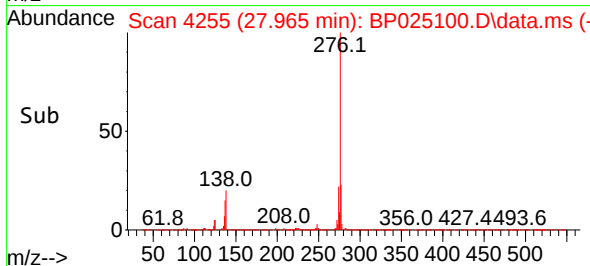
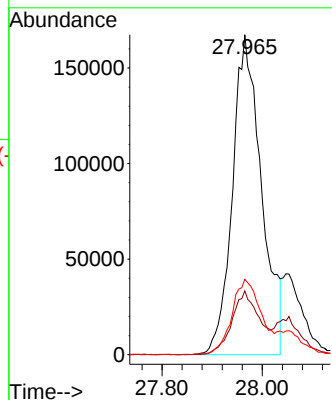
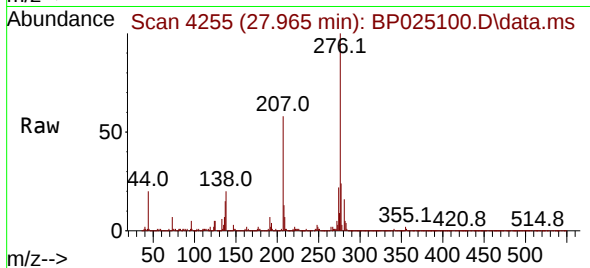
Tgt Ion:276 Resp: 672810

Ion Ratio Lower Upper

276 100

138 19.1 13.0 19.6

277 23.6 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 3.969 ng

RT: 23.465 min Scan# 3490

Delta R.T. -0.047 min

Lab File: BP025100.D

Acq: 11 Jul 2025 11:50

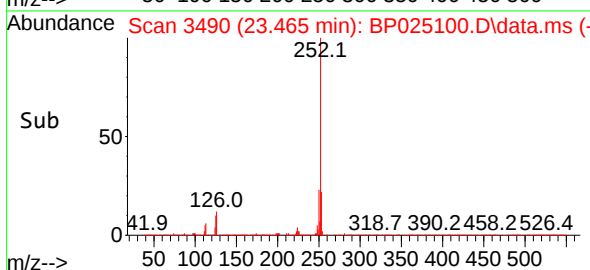
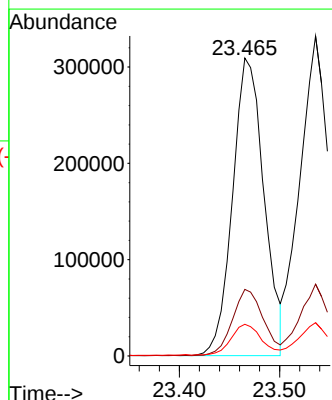
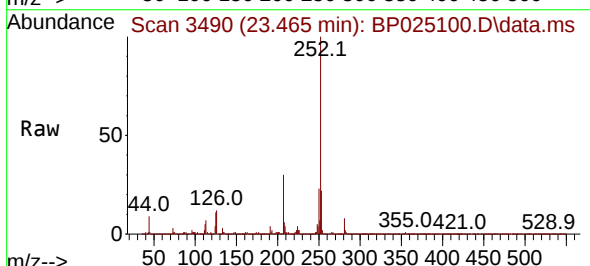
Tgt Ion:252 Resp: 673144

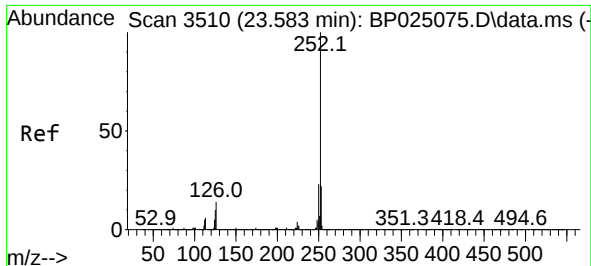
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.6 8.1 12.1

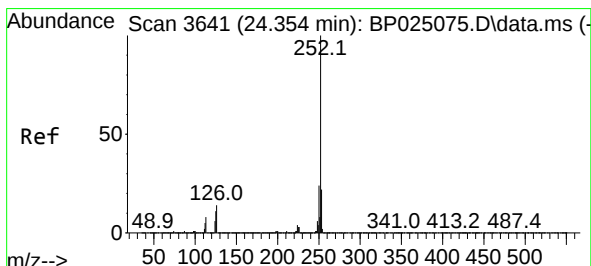
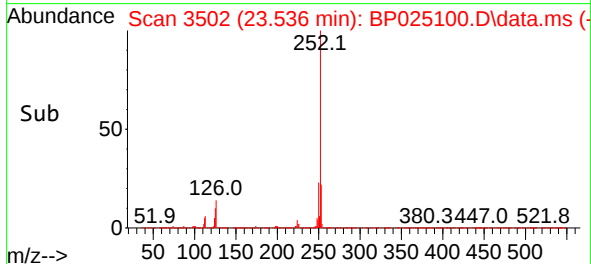
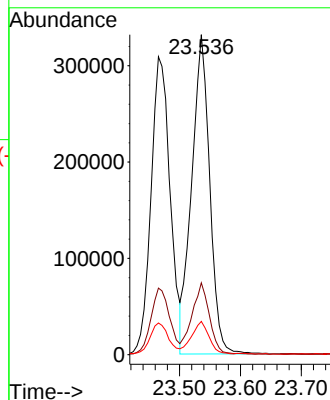
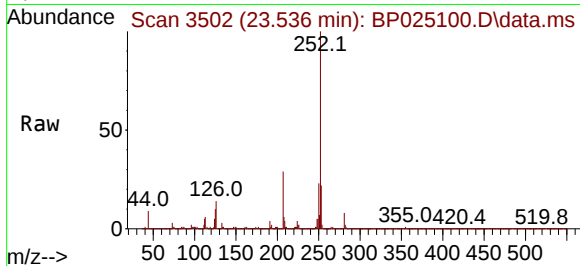




#89
Benzo(k)fluoranthene
Concen: 4.044 ng
RT: 23.536 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

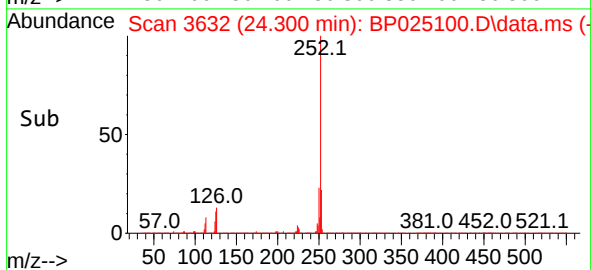
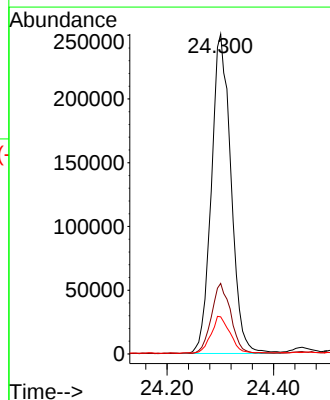
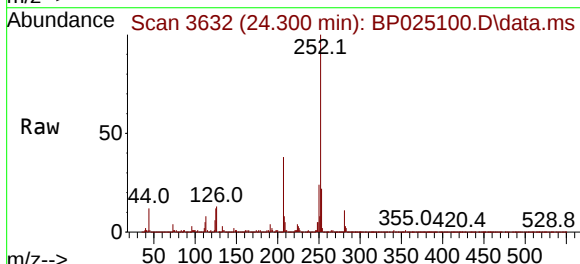
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

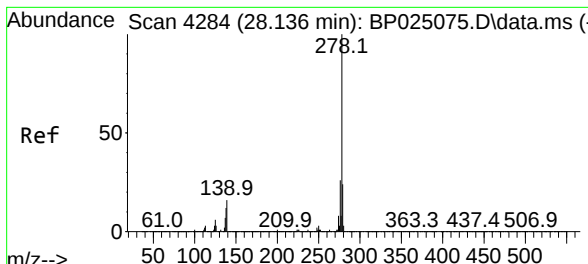
Tgt Ion:252 Resp: 682413
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 10.4 8.2 12.2



#90
Benzo(a)pyrene
Concen: 4.419 ng
RT: 24.300 min Scan# 3632
Delta R.T. -0.053 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:252 Resp: 637839
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.6 9.0 13.4

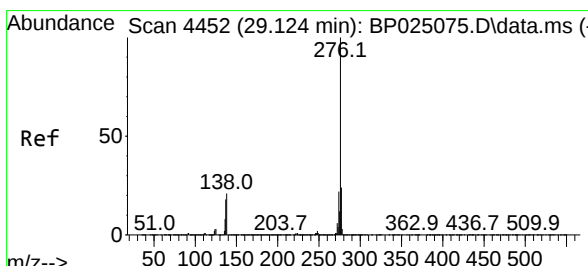
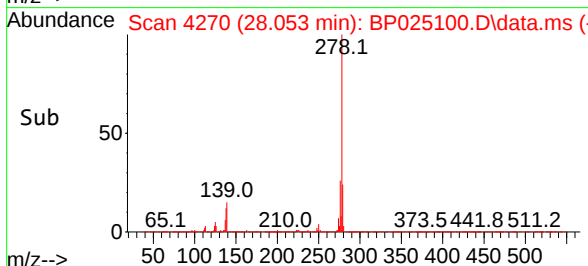
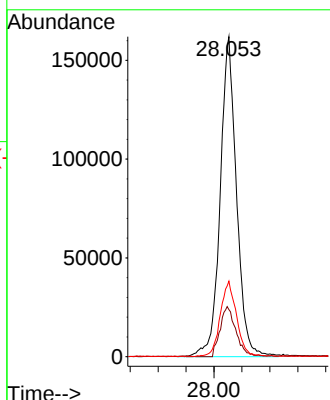
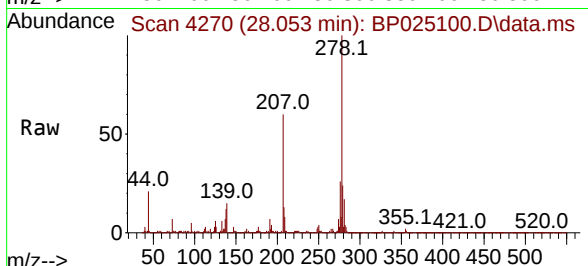




#91
Dibenzo(a,h)anthracene
Concen: 4.281 ng
RT: 28.053 min Scan# 41
Delta R.T. -0.083 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:278 Resp: 656958
Ion Ratio Lower Upper
278 100
139 14.7 13.1 19.7
279 23.6 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 4.156 ng
RT: 29.053 min Scan# 4440
Delta R.T. -0.071 min
Lab File: BP025100.D
Acq: 11 Jul 2025 11:50

Tgt Ion:276 Resp: 658715
Ion Ratio Lower Upper
276 100
277 23.6 19.3 28.9
138 20.8 16.9 25.3

