

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022025\
 Data File : BP024103.D
 Acq On : 20 Feb 2025 11:03
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 20 11:42:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	327136	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1340746	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	774512	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1461247	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1479764	20.000	ng	0.00
86) Perylene-d12	25.015	264	1489236	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2263350	107.956	ng	0.00
7) Phenol-d6	6.940	99	2992773	111.065	ng	0.00
23) Nitrobenzene-d5	8.910	82	2245520	93.437	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	1016851	107.185	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	5052399	91.196	ng	0.00
79) Terphenyl-d14	19.910	244	6820972	91.210	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	37339	4.540	ng	97
3) Pyridine	3.722	79	84124	3.934	ng	95
4) n-Nitrosodimethylamine	3.622	42	31206	4.114	ng	# 97
6) Aniline	7.093	93	127048	5.148	ng	99
8) 2-Chlorophenol	7.334	128	97057	4.374	ng	98
9) Benzaldehyde	6.910	77	85800	6.974	ng	98
10) Phenol	6.963	94	120246	4.438	ng	92
11) bis(2-Chloroethyl)ether	7.187	93	96740	4.533	ng	98
12) 1,3-Dichlorobenzene	7.652	146	109454	4.490	ng	99
13) 1,4-Dichlorobenzene	7.793	146	111215	4.511	ng	98
14) 1,2-Dichlorobenzene	8.110	146	105240	4.448	ng	100
15) Benzyl Alcohol	7.999	79	71312	4.323	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	106516	5.141	ng	96
17) 2-Methylphenol	8.205	107	64542	3.909	ng	99
18) Hexachloroethane	8.828	117	39989	4.504	ng	96
19) n-Nitroso-di-n-propyla...	8.557	70	63980	4.416	ng	97
20) 3+4-Methylphenols	8.528	107	87290	3.886	ng	96
22) Acetophenone	8.575	105	145354	4.219	ng	# 99
24) Nitrobenzene	8.952	77	110925	4.690	ng	96
25) Isophorone	9.475	82	156222	3.975	ng	99
26) 2-Nitrophenol	9.657	139	32939	3.023	ng	95
27) 2,4-Dimethylphenol	9.716	122	51936	3.631	ng	99
28) bis(2-Chloroethoxy)met...	9.952	93	119108	4.184	ng	100
29) 2,4-Dichlorophenol	10.193	162	62071	3.180	ng	99
30) 1,2,4-Trichlorobenzene	10.399	180	91199	4.078	ng	98
31) Naphthalene	10.587	128	305269	4.234	ng	99
32) Benzoic acid	9.787	122	27176m	9.016	ng	
33) 4-Chloroaniline	10.693	127	104015	4.096	ng	99
34) Hexachlorobutadiene	10.881	225	54506	4.208	ng	98
35) Caprolactam	11.475	113	16102m	7.738	ng	
36) 4-Chloro-3-methylphenol	11.828	107	62208	3.100	ng	96
37) 2-Methylnaphthalene	12.198	142	194608	4.061	ng	99
38) 1-Methylnaphthalene	12.416	142	182630	3.918	ng	98
40) 1,2,4,5-Tetrachloroben...	12.563	216	100482	4.222	ng	99
41) Hexachlorocyclopentadiene	12.551	237	29411	3.321	ng	94
43) 2,4,6-Trichlorophenol	12.816	196	44236	3.048	ng	98

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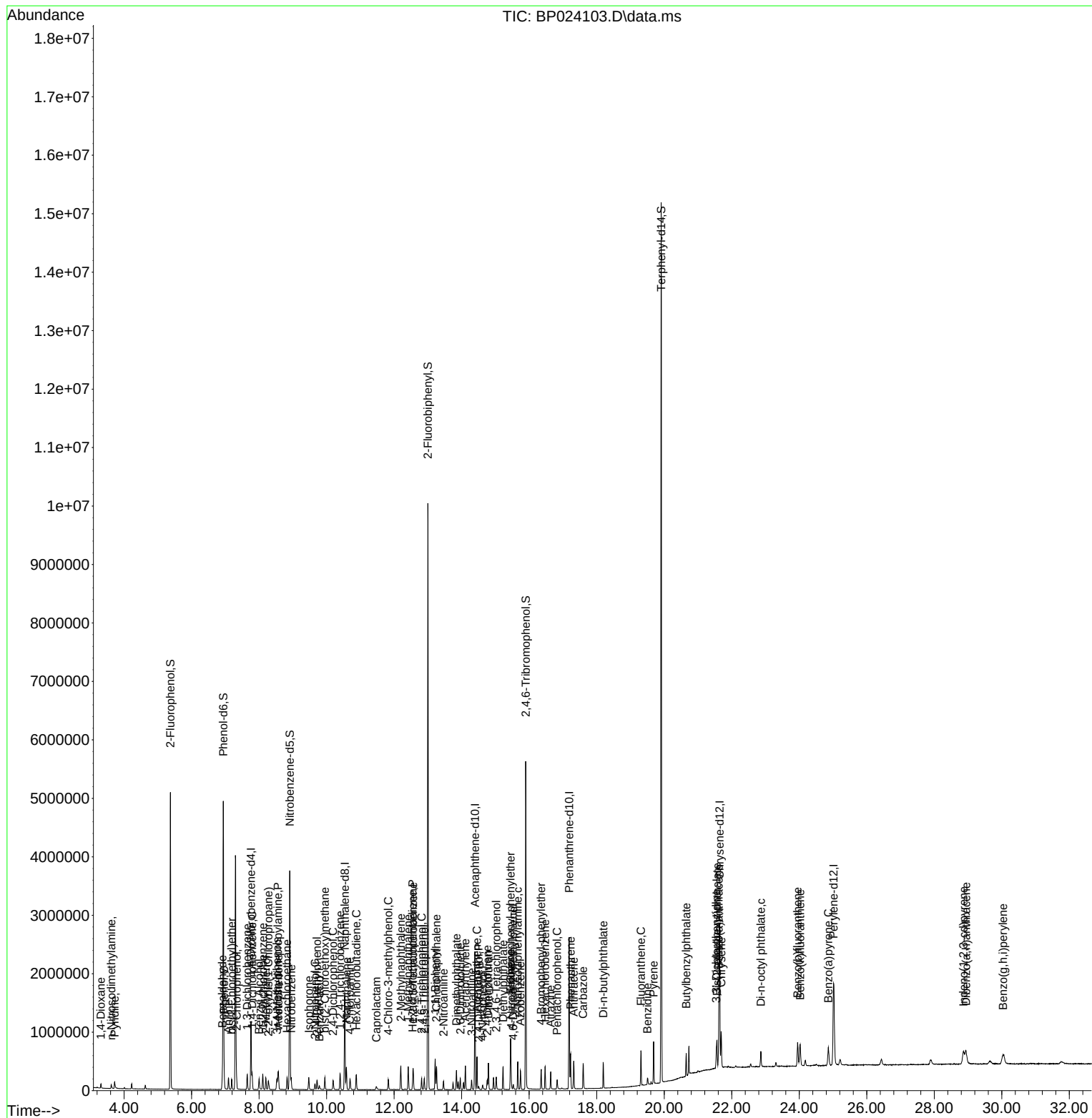
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.893	196	51058	3.217	ng	99
46) 1,1'-Biphenyl	13.216	154	268042	4.454	ng	99
47) 2-Chloronaphthalene	13.257	162	190570	4.189	ng	100
48) 2-Nitroaniline	13.463	65	36803	3.424	ng	88
49) Acenaphthylene	14.110	152	270055	4.029	ng	100
50) Dimethylphthalate	13.845	163	220032	4.027	ng	99
51) 2,6-Dinitrotoluene	13.963	165	38309	3.442	ng	97
52) Acenaphthene	14.457	154	180801	4.189	ng	99
53) 3-Nitroaniline	14.298	138	38349	3.229	ng #	92
54) 2,4-Dinitrophenol	14.504	184	12183	9.279	ng	96
55) Dibenzofuran	14.792	168	290336	4.140	ng	98
56) 4-Nitrophenol	14.622	139	24654	2.403	ng	99
57) 2,4-Dinitrotoluene	14.757	165	44860	3.103	ng	91
58) Fluorene	15.451	166	221809	4.050	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.028	232	45503m	3.304	ng	
60) Diethylphthalate	15.228	149	211336	3.897	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	109304	4.055	ng	95
62) 4-Nitroaniline	15.469	138	37313	5.760	ng	92
63) Azobenzene	15.739	77	197174	3.880	ng	95
65) 4,6-Dinitro-2-methylph...	15.528	198	19183	7.797	ng	98
66) n-Nitrosodiphenylamine	15.663	169	177511	3.895	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	63326	3.859	ng	99
68) Hexachlorobenzene	16.475	284	80134	4.150	ng	94
69) Atrazine	16.639	200	51848	4.434	ng	96
70) Pentachlorophenol	16.828	266	29593	2.360	ng	97
71) Phenanthrene	17.228	178	352886	4.283	ng	99
72) Anthracene	17.322	178	309846	3.925	ng	99
73) Carbazole	17.598	167	279430	3.715	ng	99
74) Di-n-butylphthalate	18.192	149	298107	3.397	ng	99
75) Fluoranthene	19.310	202	361796	3.883	ng	98
77) Benzidine	19.504	184	84946	4.711	ng	98
78) Pyrene	19.686	202	397241	4.226	ng	98
80) Butylbenzylphthalate	20.651	149	111166	3.086	ng	98
81) Benzo(a)anthracene	21.616	228	378607	4.080	ng	98
82) 3,3'-Dichlorobenzidine	21.545	252	97594	3.366	ng	100
83) Chrysene	21.686	228	383772	4.289	ng	98
84) Bis(2-ethylhexyl)phtha...	21.563	149	164692	3.015	ng	99
85) Di-n-octyl phthalate	22.863	149	217314	2.489	ng	97
87) Indeno(1,2,3-cd)pyrene	28.862	276	416664	3.933	ng #	94
88) Benzo(b)fluoranthene	23.951	252	349272	3.693	ng	99
89) Benzo(k)fluoranthene	24.027	252	360320	3.914	ng	98
90) Benzo(a)pyrene	24.862	252	305636	3.808	ng #	97
91) Dibenzo(a,h)anthracene	28.939	278	346589	3.891	ng	99
92) Benzo(g,h,i)perylene	30.039	276	324789	3.593	ng	98

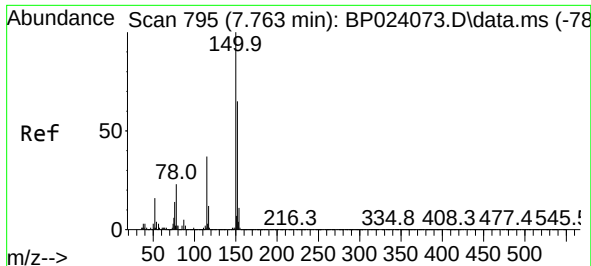
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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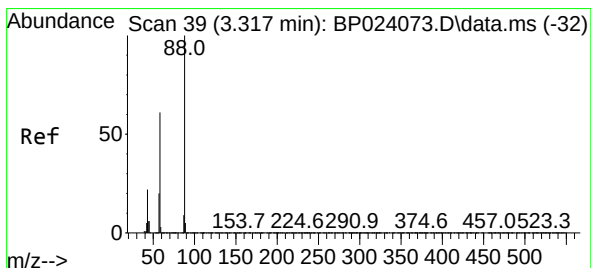
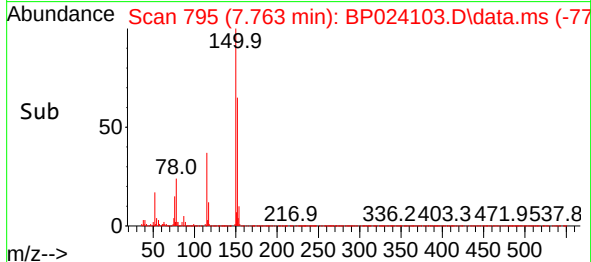
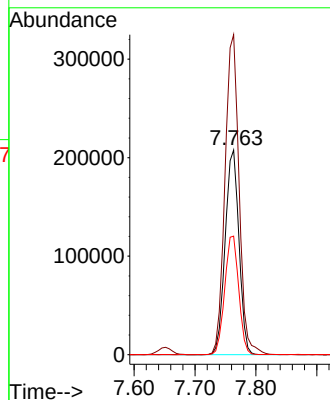
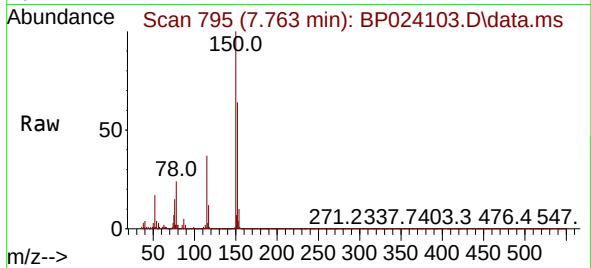




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

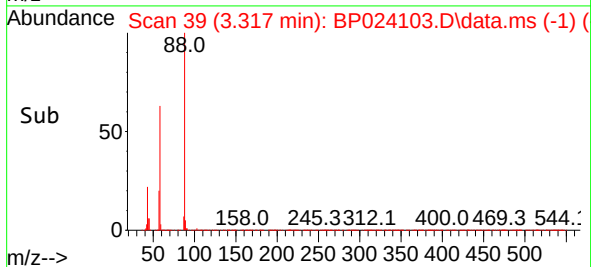
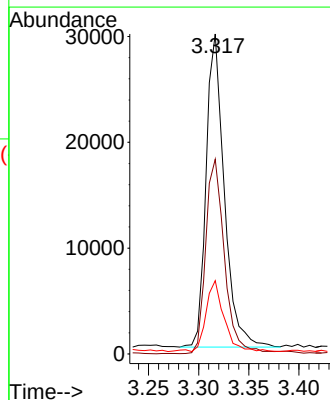
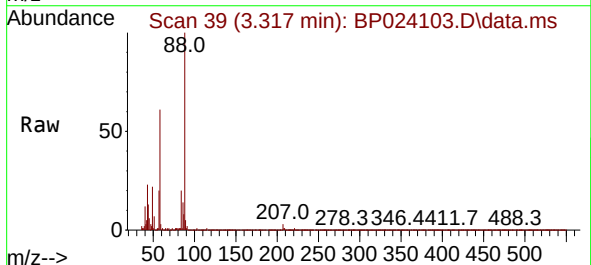
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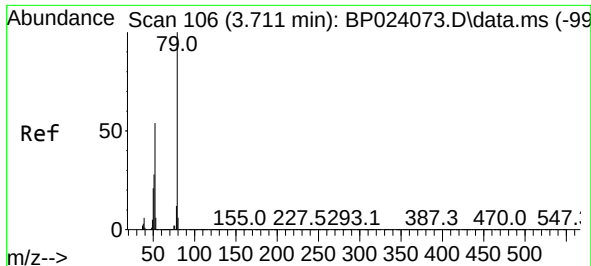
Tgt Ion:152 Resp: 327136
 Ion Ratio Lower Upper
 152 100
 150 156.3 122.4 183.6
 115 57.9 45.0 67.6



#2
 1,4-Dioxane
 Concen: 4.540 ng
 RT: 3.317 min Scan# 39
 Delta R.T. -0.000 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

Tgt Ion: 88 Resp: 37339
 Ion Ratio Lower Upper
 88 100
 58 64.2 49.1 73.7
 43 22.7 18.0 27.0

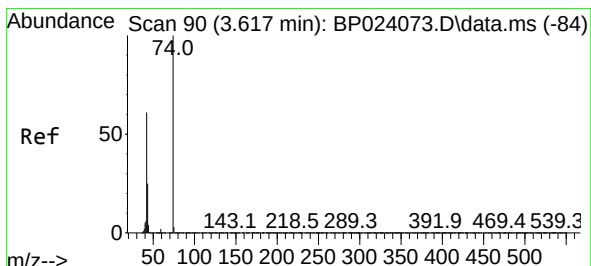
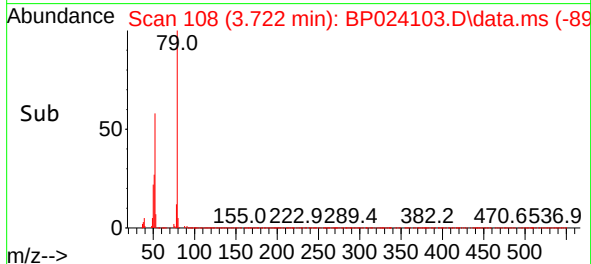
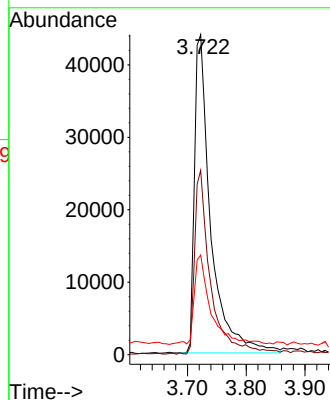
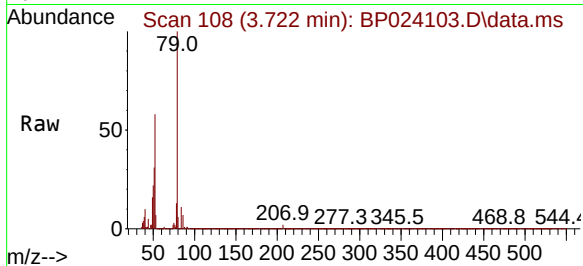




#3
 Pyridine
 Concen: 3.934 ng
 RT: 3.722 min Scan# 106
 Delta R.T. 0.012 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

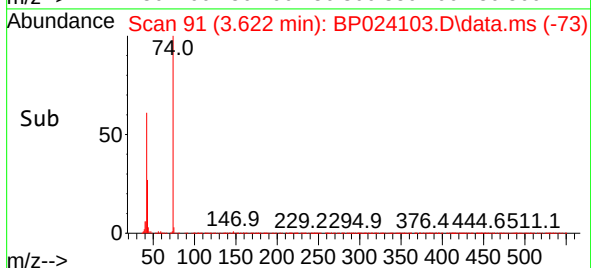
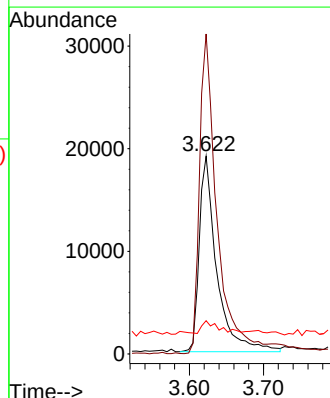
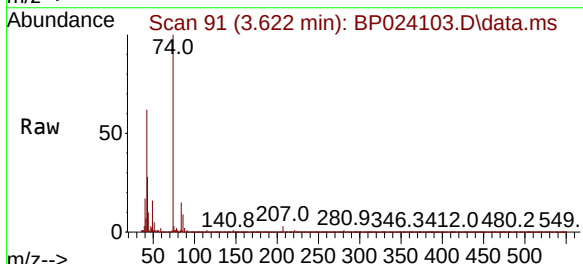
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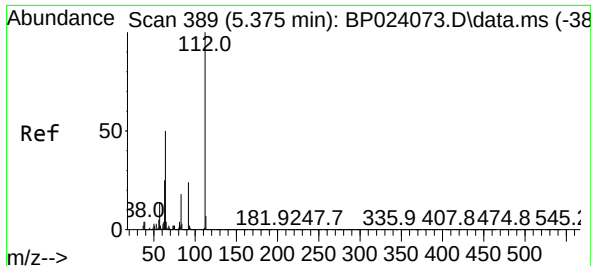
Tgt Ion: 79 Resp: 84124
 Ion Ratio Lower Upper
 79 100
 52 57.6 43.5 65.3
 51 31.2 22.2 33.4



#4
 n-Nitrosodimethylamine
 Concen: 4.114 ng
 RT: 3.622 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

Tgt Ion: 42 Resp: 31206
 Ion Ratio Lower Upper
 42 100
 74 161.8 132.0 198.0
 44 16.8 5.3 7.9

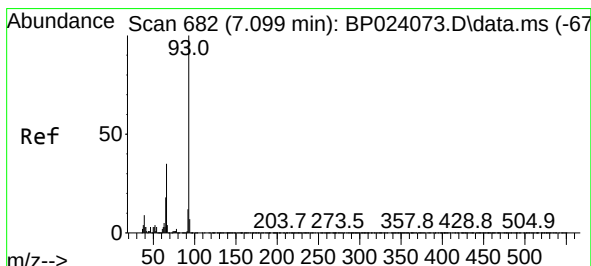
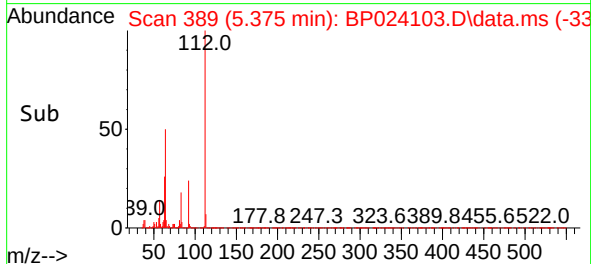
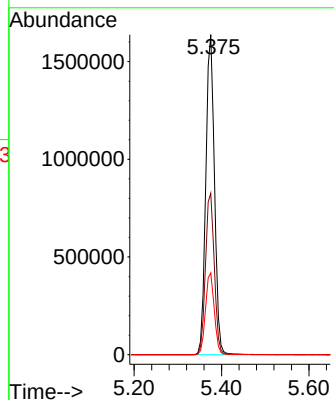
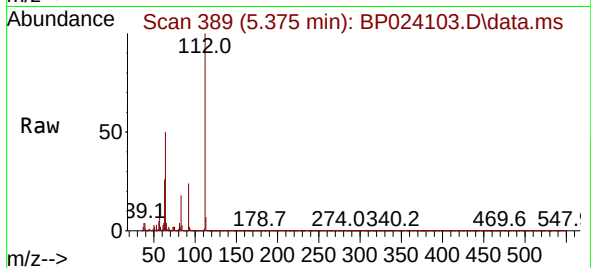




#5
2-Fluorophenol
Concen: 107.956 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

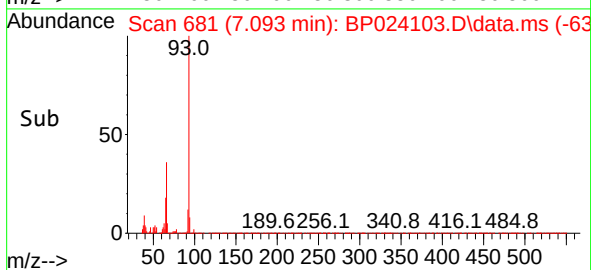
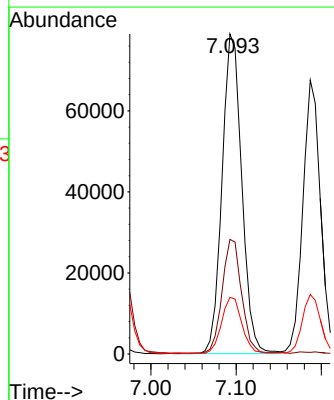
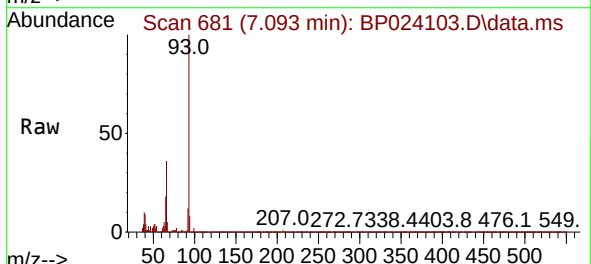
Instrument :
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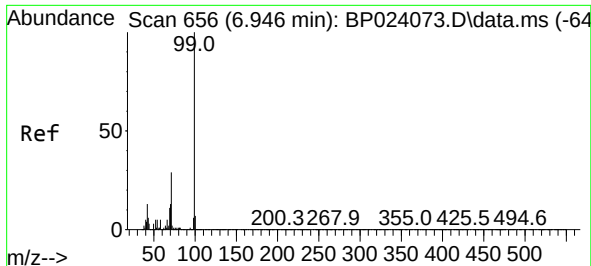
Tgt Ion:112 Resp: 2263350
Ion Ratio Lower Upper
112 100
64 50.5 39.6 59.4
63 25.6 20.3 30.5



#6
Aniline
Concen: 5.148 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 93 Resp: 127048
Ion Ratio Lower Upper
93 100
66 35.8 28.2 42.4
65 17.7 14.1 21.1





#7

Phenol-d6

Concen: 111.065 ng

RT: 6.940 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

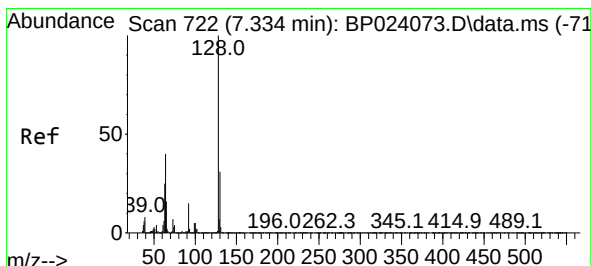
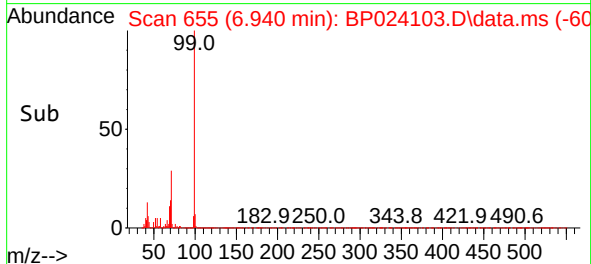
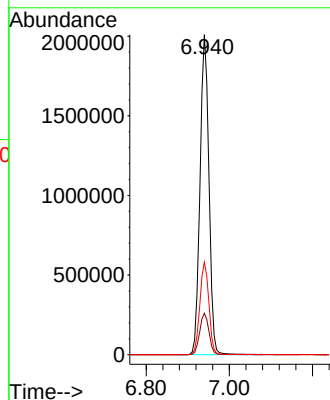
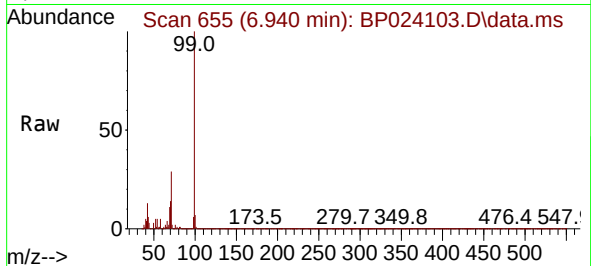
BNA_P

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Tgt Ion: 99 Resp: 2992773

Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.3	15.5
71	29.0	22.9	34.3



#8

2-Chlorophenol

Concen: 4.374 ng

RT: 7.334 min Scan# 722

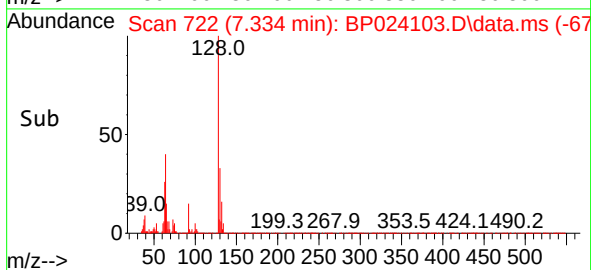
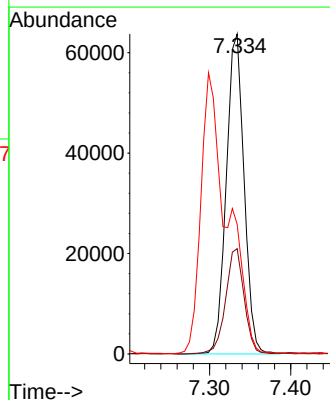
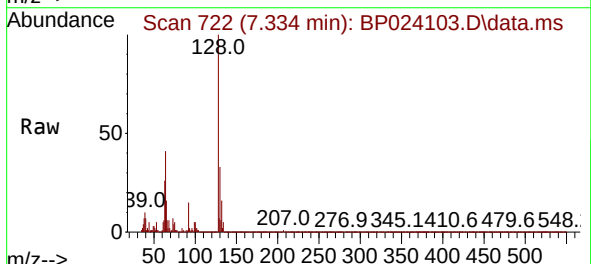
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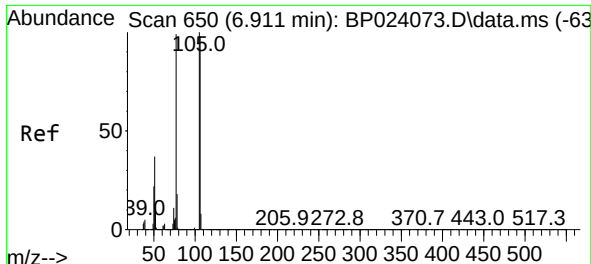
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Tgt Ion:128 Resp: 97057

Ion	Ratio	Lower	Upper
128	100		
130	32.9	11.5	51.5
64	40.5	19.8	59.8

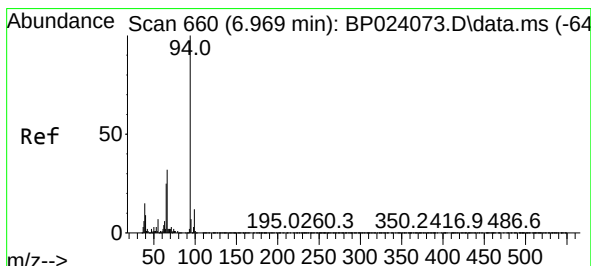
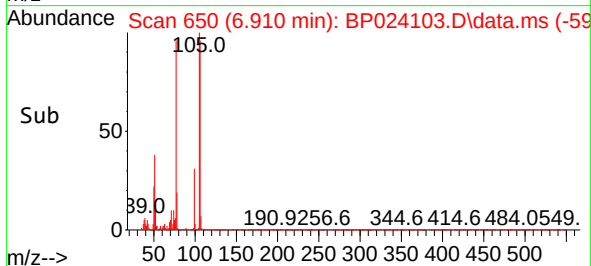
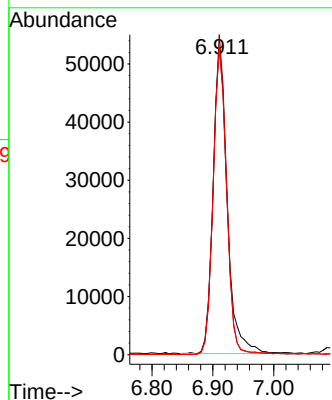
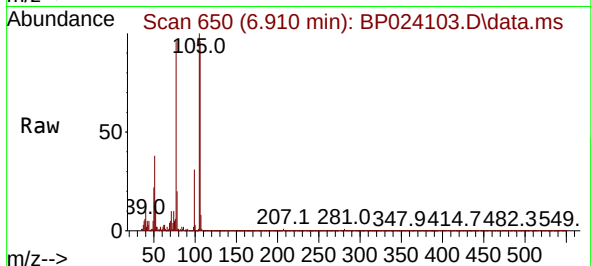




#9
Benzaldehyde
Concen: 6.974 ng
RT: 6.910 min Scan# 610
Delta R.T. -0.000 min
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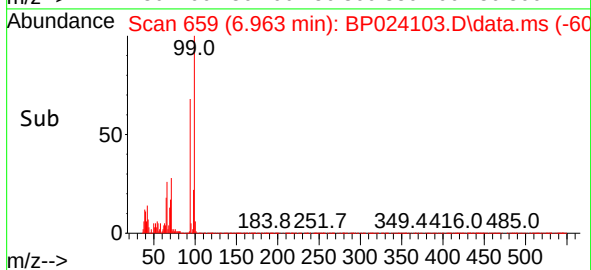
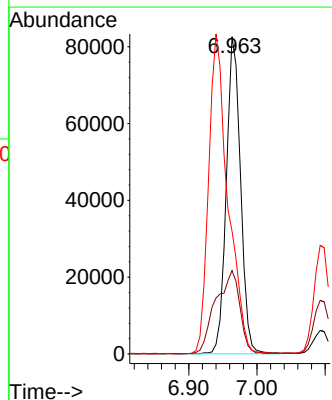
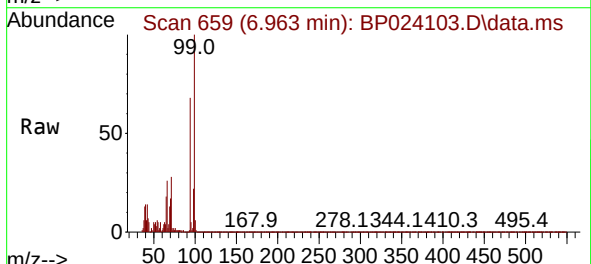
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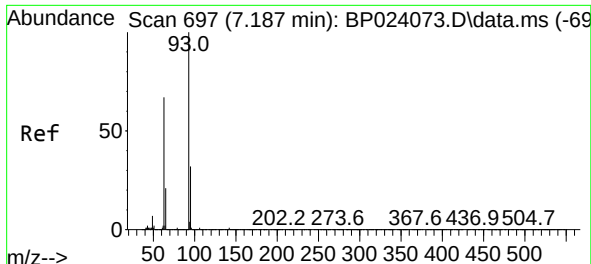
Tgt Ion: 77 Resp: 85800
Ion Ratio Lower Upper
77 100
105 103.9 81.4 121.4
106 99.8 79.0 119.0



#10
Phenol
Concen: 4.438 ng
RT: 6.963 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 94 Resp: 120246
Ion Ratio Lower Upper
94 100
65 26.3 5.0 45.0
66 38.7 11.6 51.6

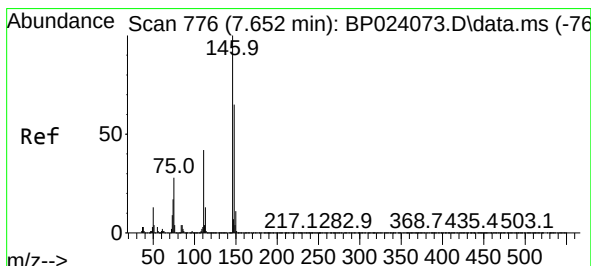
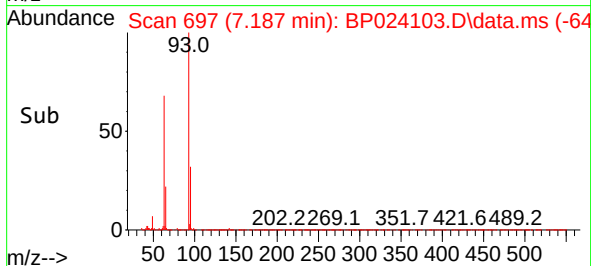
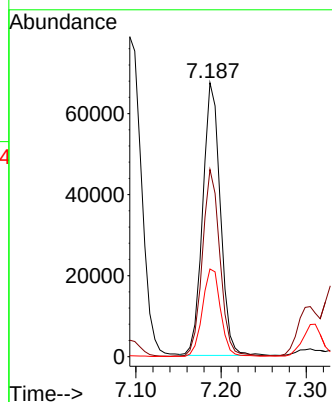
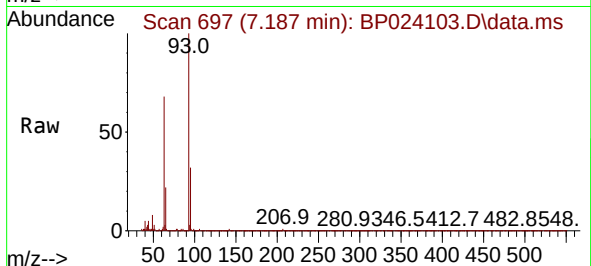




#11
bis(2-Chloroethyl)ether
Concen: 4.533 ng
RT: 7.187 min Scan# 697
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

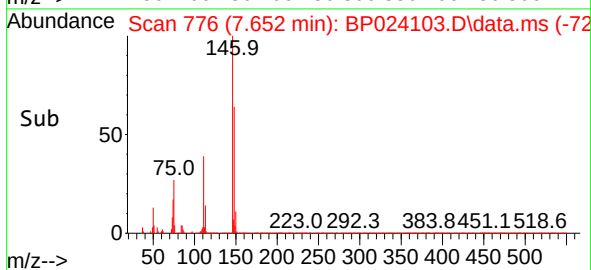
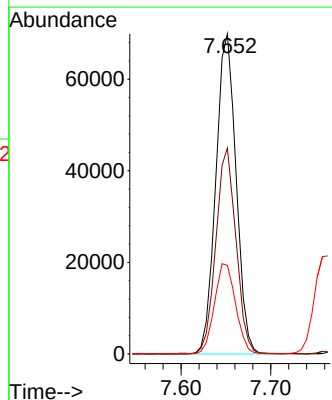
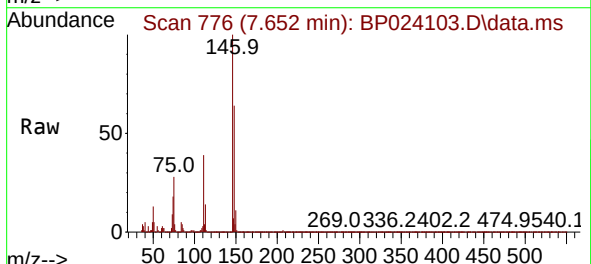
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

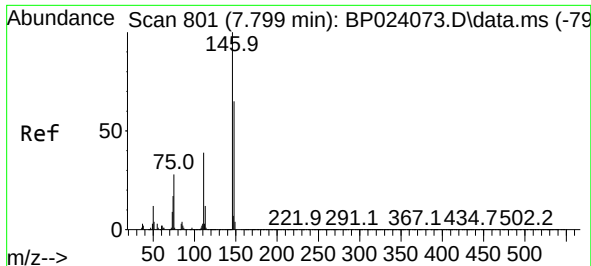
Tgt Ion: 93	Resp:	96740	
Ion	Ratio	Lower	Upper
93	100		
63	68.3	46.5	86.5
95	32.0	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 4.490 ng
RT: 7.652 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:146	Resp:	109454	
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
75	27.7	22.6	33.8

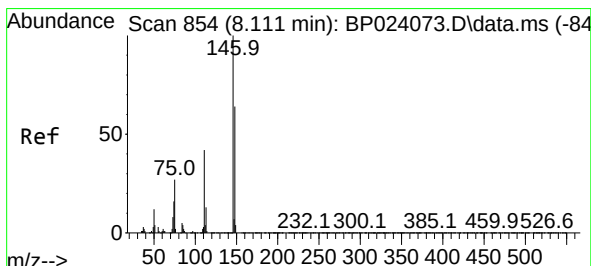
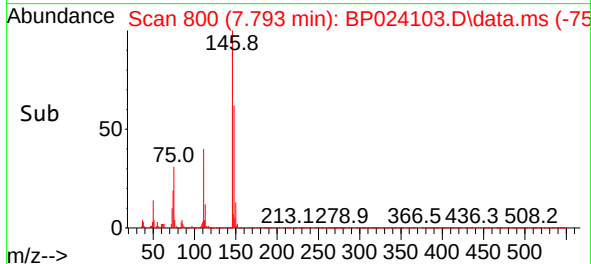
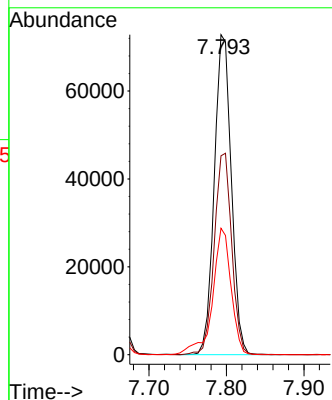
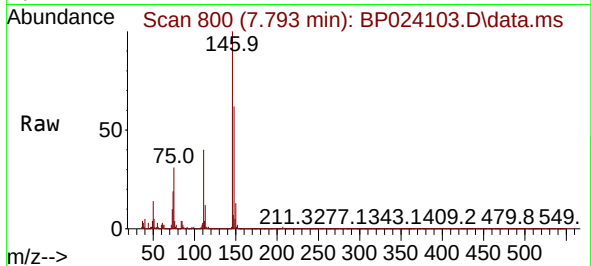




#13
1,4-Dichlorobenzene
Concen: 4.511 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

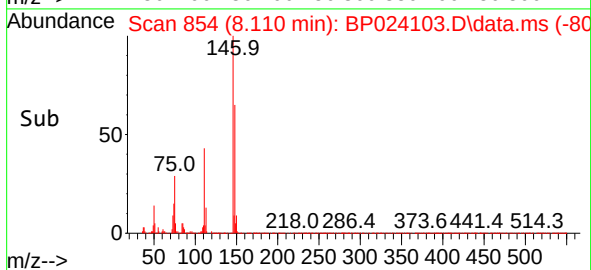
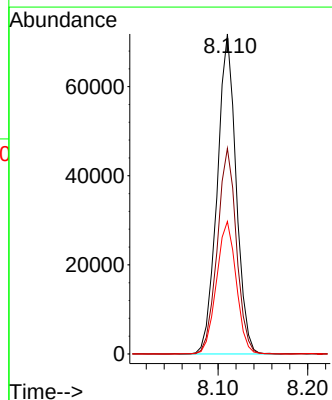
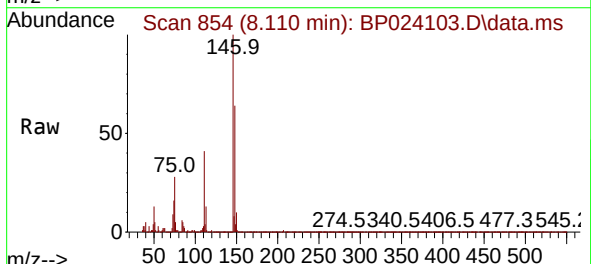
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

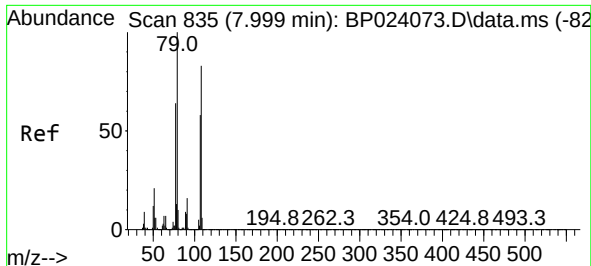
Tgt Ion:146 Resp: 111215
Ion Ratio Lower Upper
146 100
148 62.1 51.6 77.4
111 39.5 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 4.448 ng
RT: 8.110 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:146 Resp: 105240
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
111 41.4 33.4 50.0

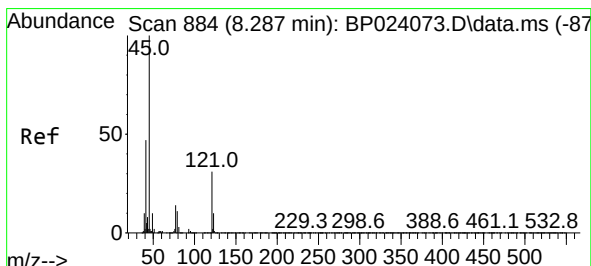
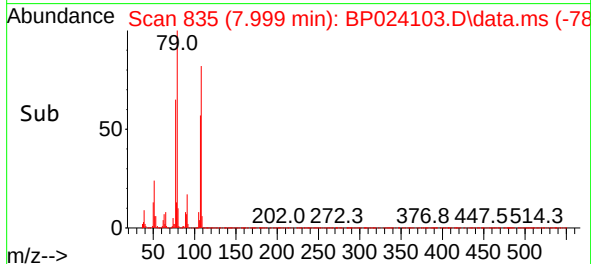
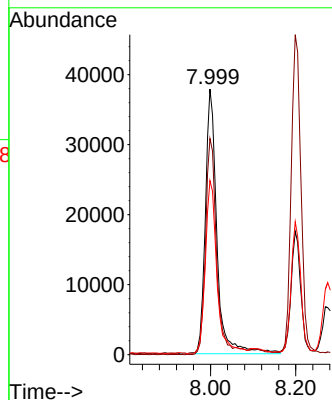
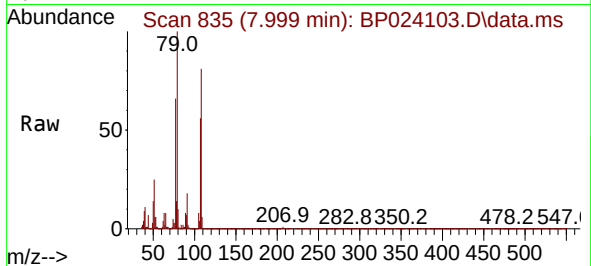




#15
Benzyl Alcohol
Concen: 4.323 ng
RT: 7.999 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

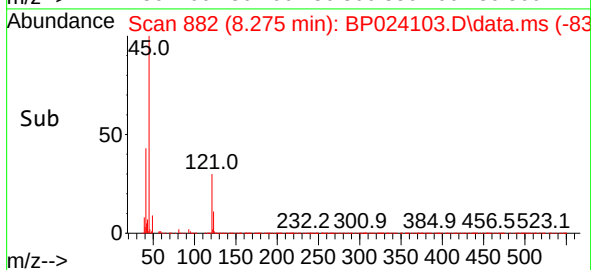
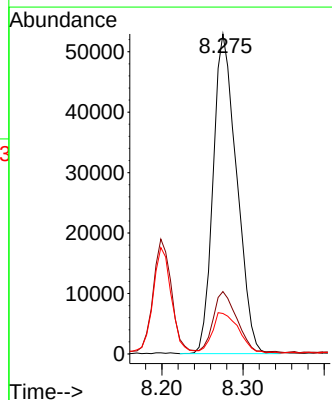
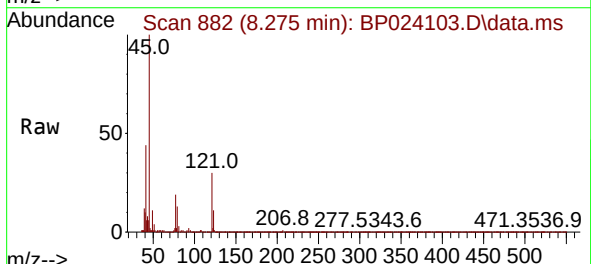
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

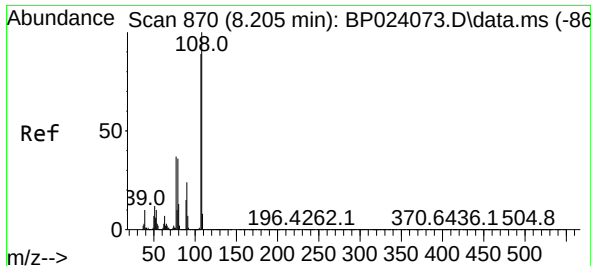
Tgt Ion: 79 Resp: 71312
Ion Ratio Lower Upper
79 100
108 81.4 66.4 99.6
77 65.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.141 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 45 Resp: 106516
Ion Ratio Lower Upper
45 100
77 19.5 0.0 38.8
79 12.7 0.0 35.4

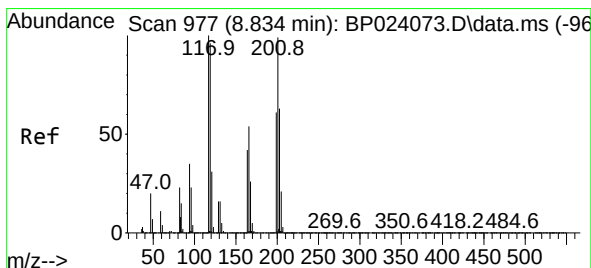
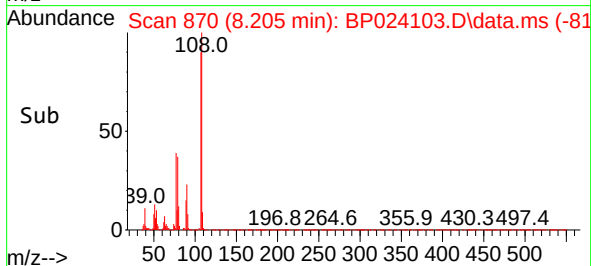
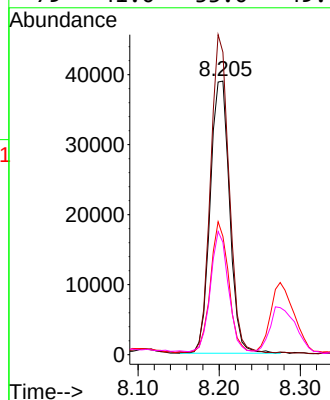
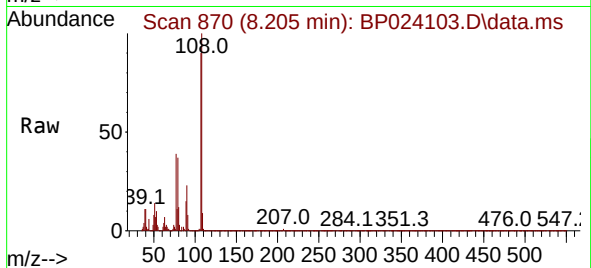




#17
2-Methylphenol
Concen: 3.909 ng
RT: 8.205 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

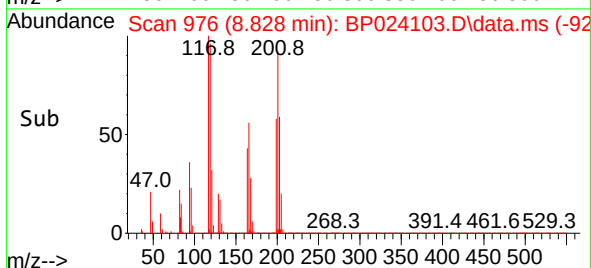
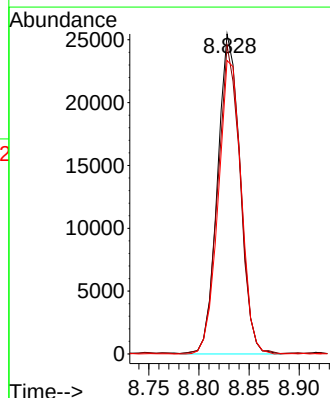
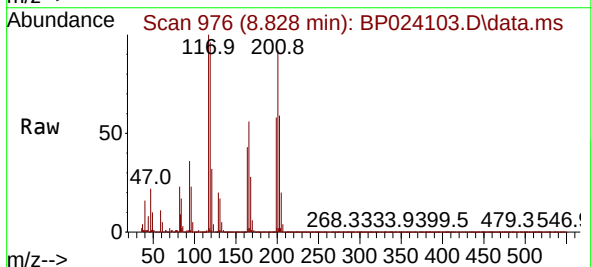
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

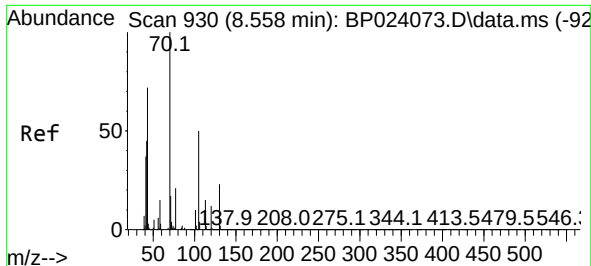
Tgt Ion:	107	Resp:	64542
Ion	Ratio	Lower	Upper
107	100		
108	110.5	90.0	135.0
77	43.2	33.8	50.6
79	41.0	33.0	49.4



#18
Hexachloroethane
Concen: 4.504 ng
RT: 8.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:	117	Resp:	39989
Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	91.7	79.4	119.2

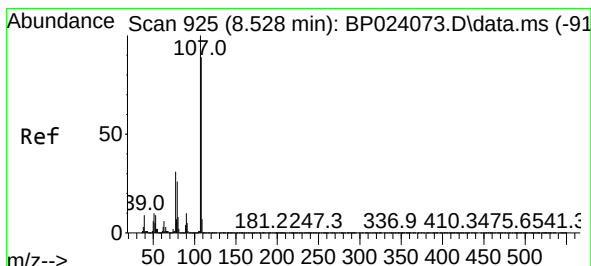
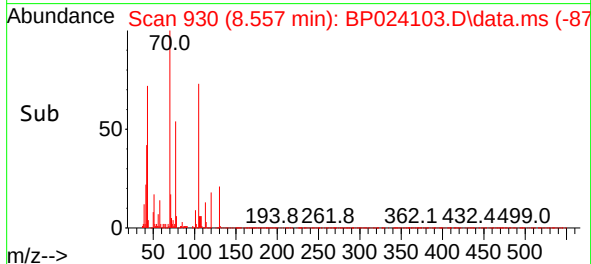
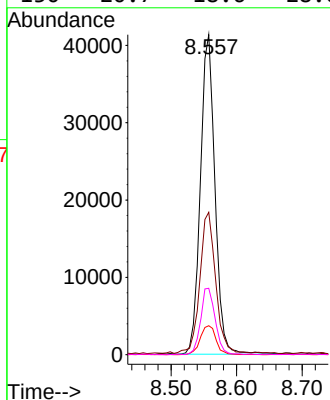
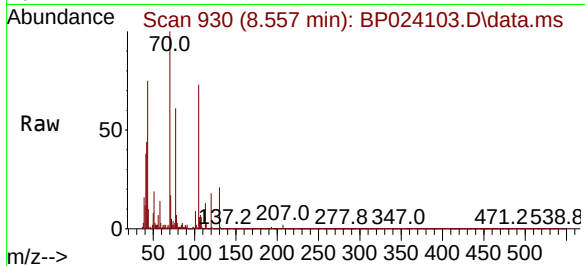




#19
n-Nitroso-di-n-propylamine
Concen: 4.416 ng
RT: 8.557 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

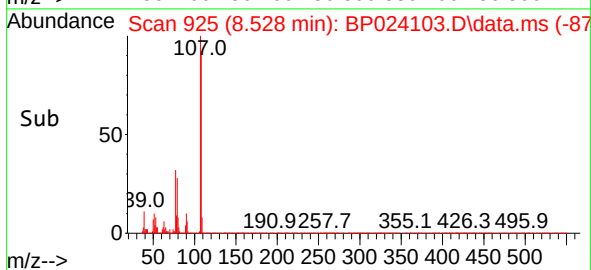
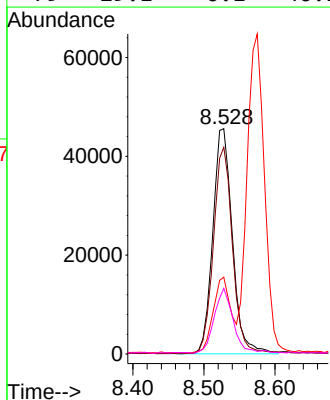
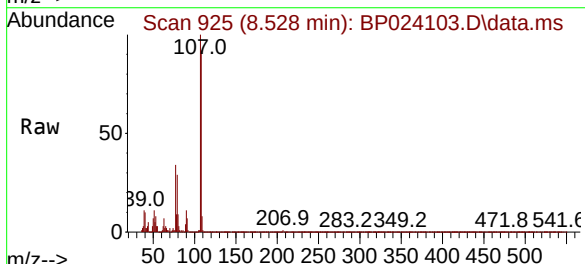
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

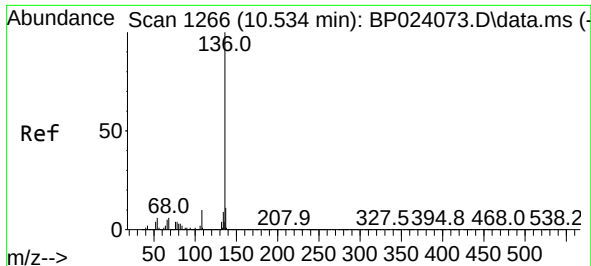
Tgt Ion:	70	Resp:	63980
Ion	Ratio	Lower	Upper
70	100		
42	44.5	36.6	54.8
101	9.0	8.2	12.2
130	20.7	18.6	28.0



#20
3+4-Methylphenols
Concen: 3.886 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:	107	Resp:	87290
Ion	Ratio	Lower	Upper
107	100		
108	91.7	68.5	108.5
77	34.1	10.7	50.7
79	29.1	6.1	46.1

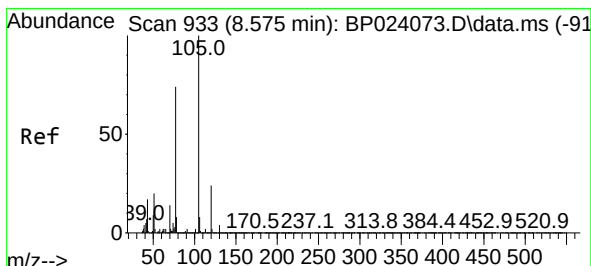
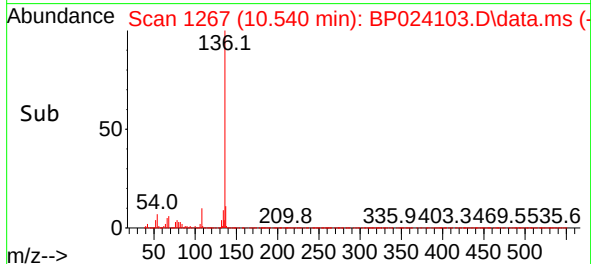
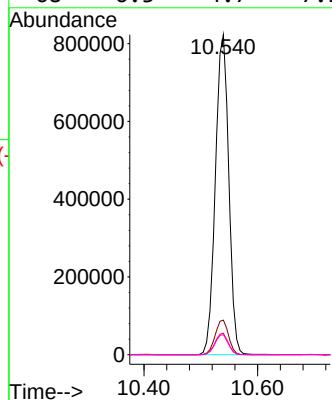
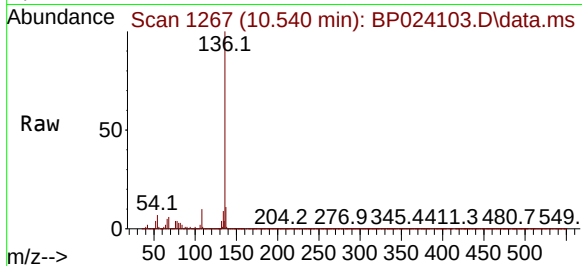




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

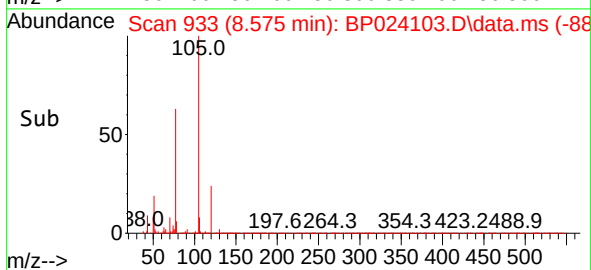
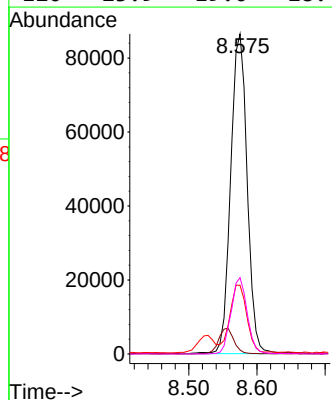
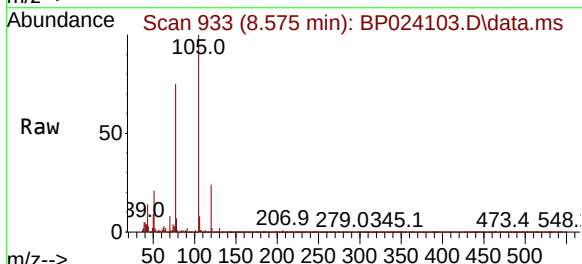
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

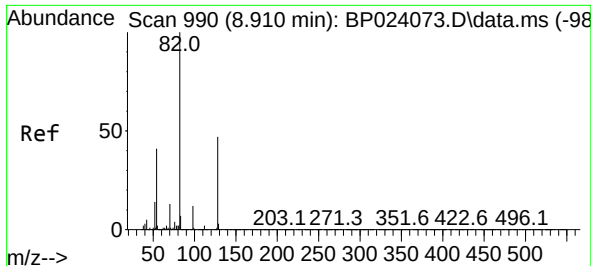
Tgt Ion:136 Resp: 1340746
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.7 4.9 7.3
68 6.3 4.7 7.1



#22
Acetophenone
Concen: 4.219 ng
RT: 8.575 min Scan# 933
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:105 Resp: 145354
Ion Ratio Lower Upper
105 100
71 1.2 1.9 2.9#
51 21.4 16.3 24.5
120 23.9 19.0 28.4

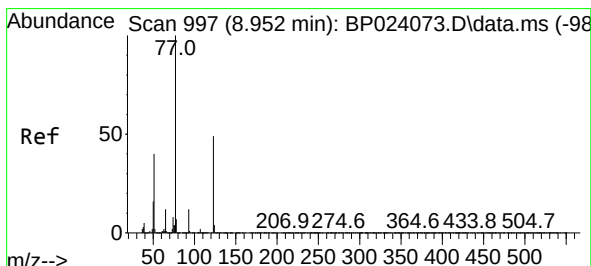
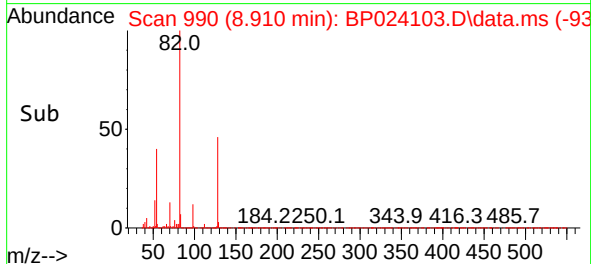
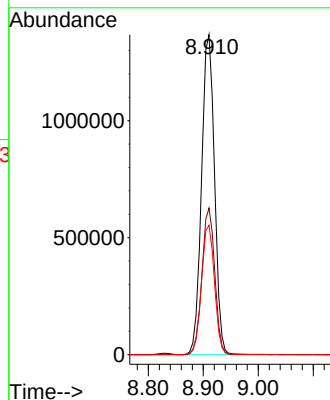
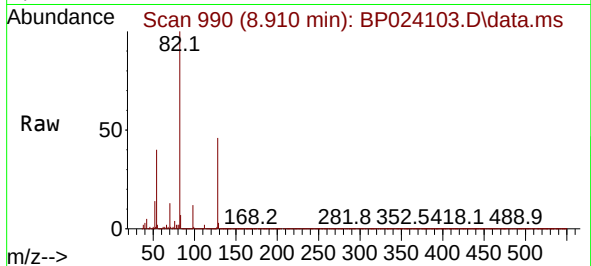




#23
Nitrobenzene-d5
Concen: 93.437 ng
RT: 8.910 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

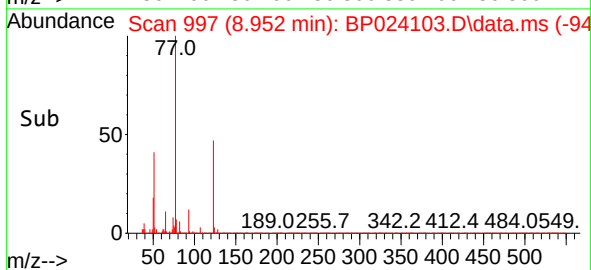
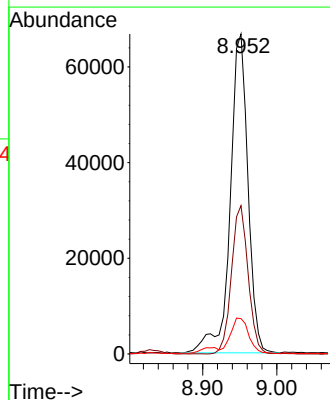
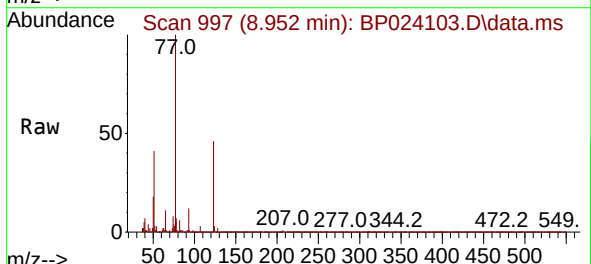
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

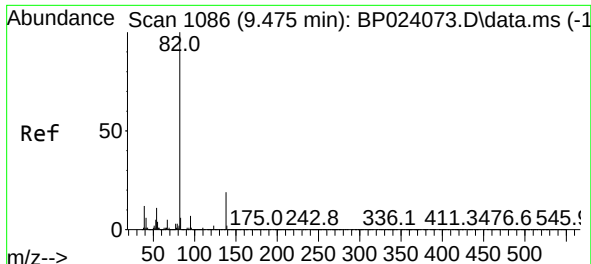
Tgt Ion: 82 Resp: 2245520
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.2
54 40.5 32.4 48.6



#24
Nitrobenzene
Concen: 4.690 ng
RT: 8.952 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 77 Resp: 110925
Ion Ratio Lower Upper
77 100
123 46.3 39.4 59.2
65 11.0 9.9 14.9

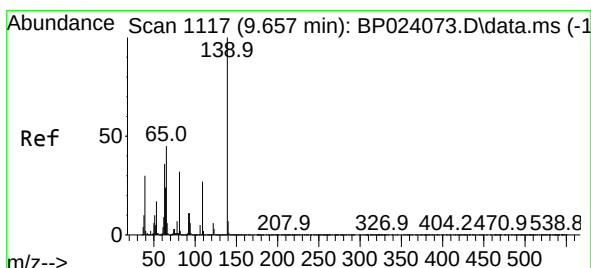
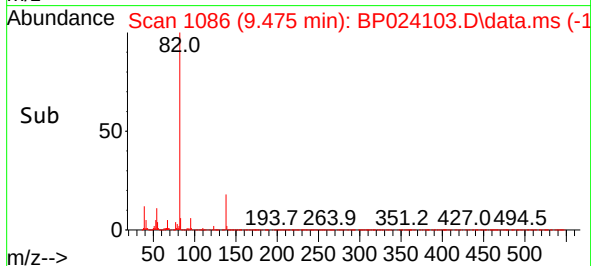
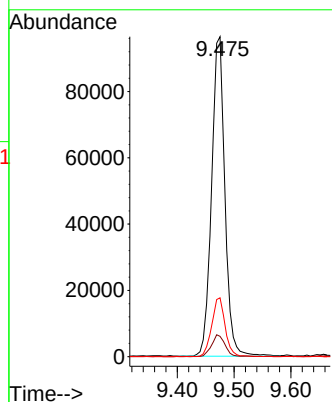
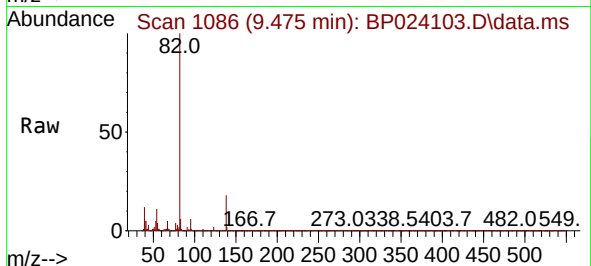




#25
Isophorone
Concen: 3.975 ng
RT: 9.475 min Scan# 1086
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

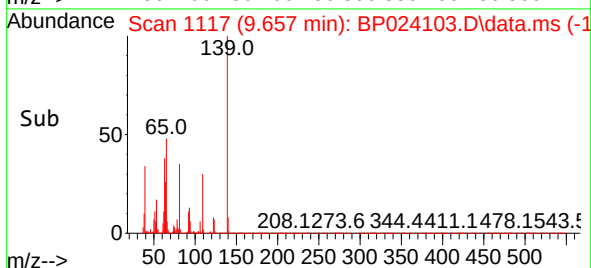
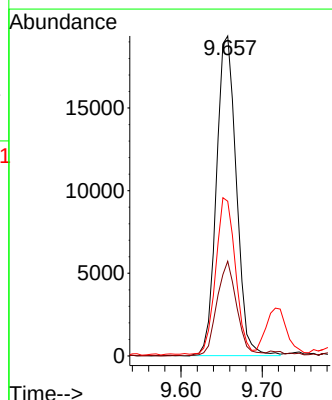
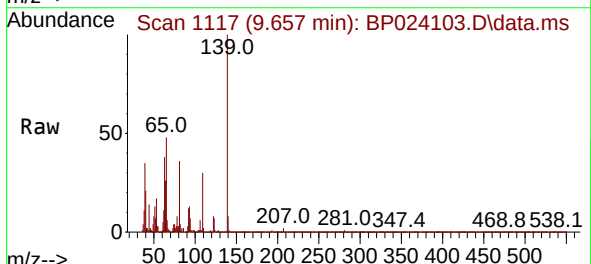
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

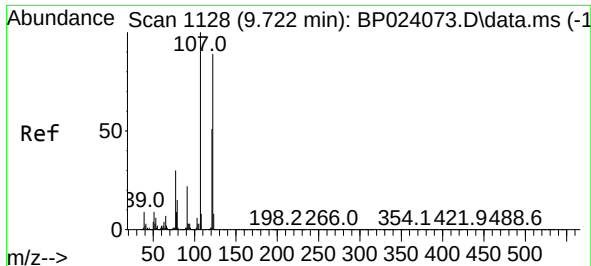
Tgt Ion: 82 Resp: 156222
Ion Ratio Lower Upper
82 100
95 6.3 5.4 8.0
138 18.4 15.3 22.9



#26
2-Nitrophenol
Concen: 3.023 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 139 Resp: 32939
Ion Ratio Lower Upper
139 100
109 29.6 21.7 32.5
65 48.3 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 3.631 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

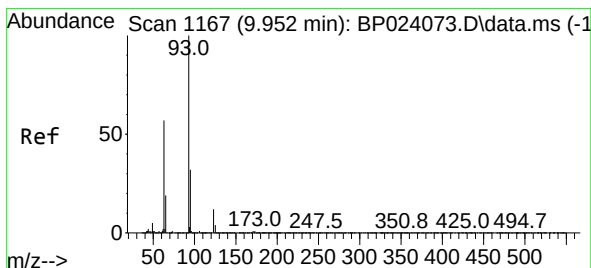
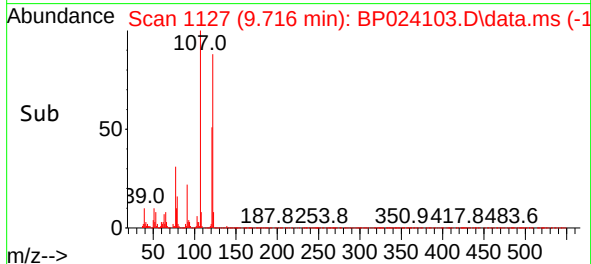
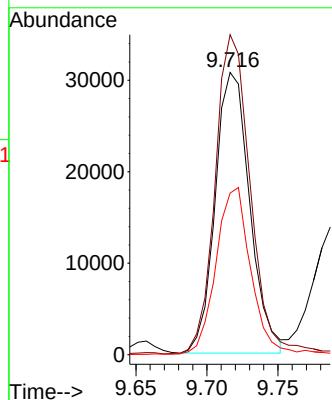
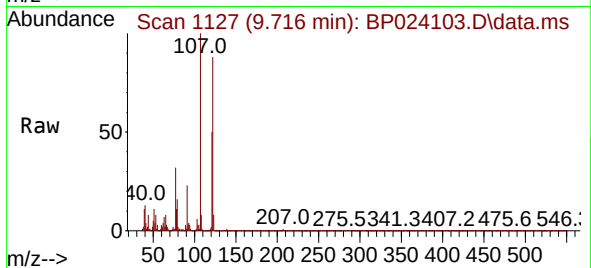
Tgt Ion:122 Resp: 51936

Ion Ratio Lower Upper

122 100

107 113.4 89.8 134.8

121 57.2 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 4.184 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

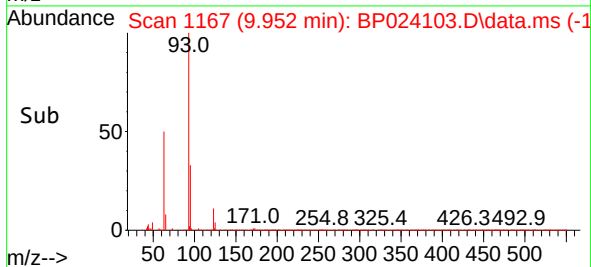
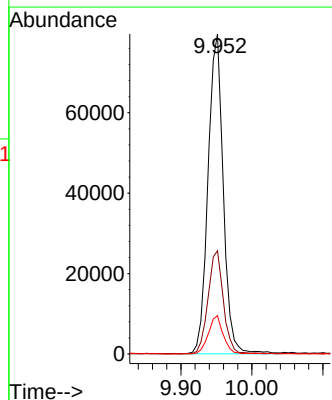
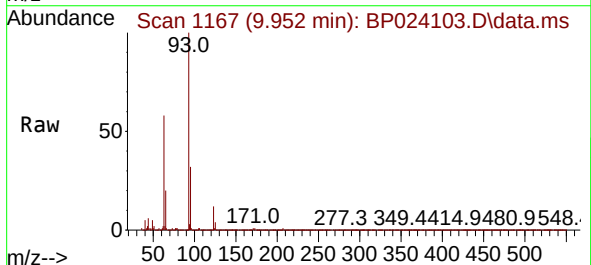
Tgt Ion: 93 Resp: 119108

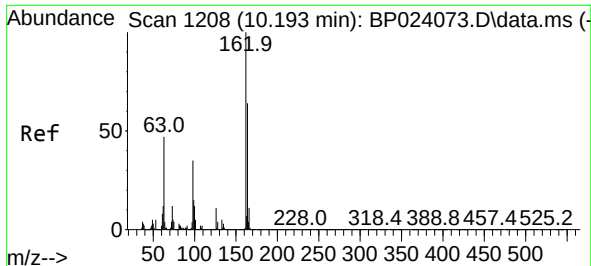
Ion Ratio Lower Upper

93 100

95 32.2 25.9 38.9

123 12.0 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 3.180 ng

RT: 10.193 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

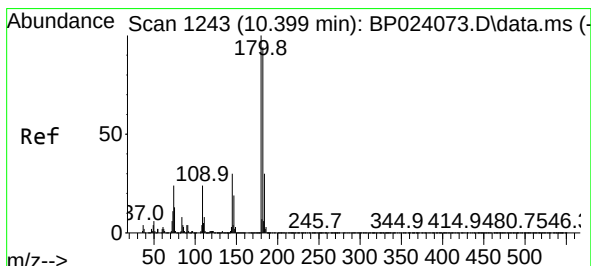
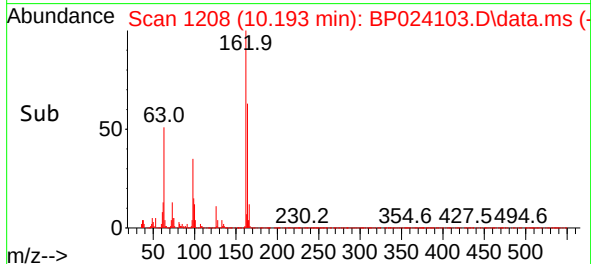
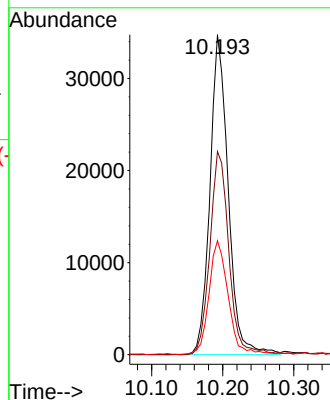
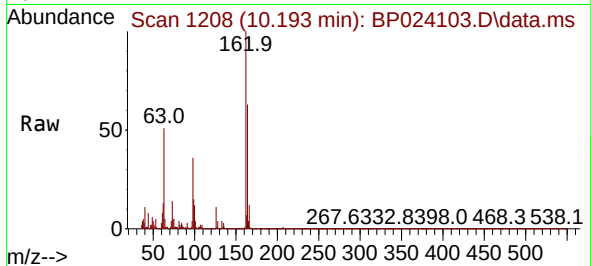
Tgt Ion:162 Resp: 62071

Ion Ratio Lower Upper

162 100

164 63.5 44.5 84.5

98 35.6 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 4.078 ng

RT: 10.399 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

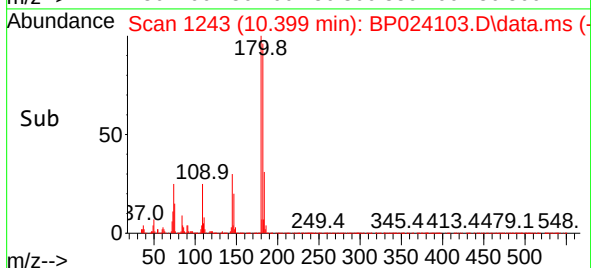
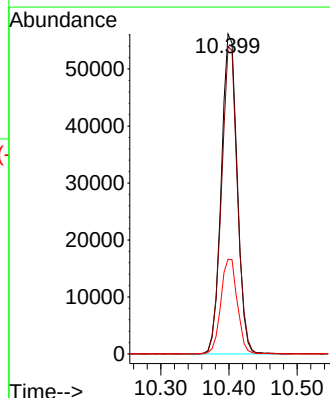
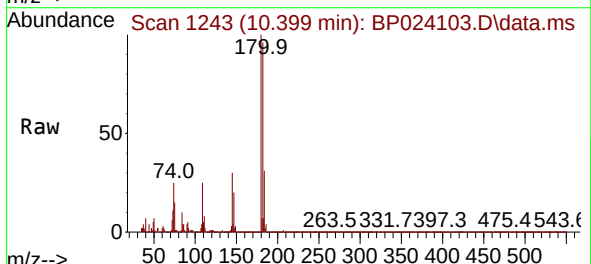
Tgt Ion:180 Resp: 91199

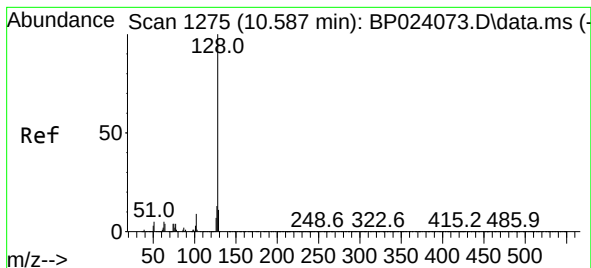
Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 29.6 24.0 36.0





#31

Naphthalene

Concen: 4.234 ng

RT: 10.587 min Scan# 1139

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

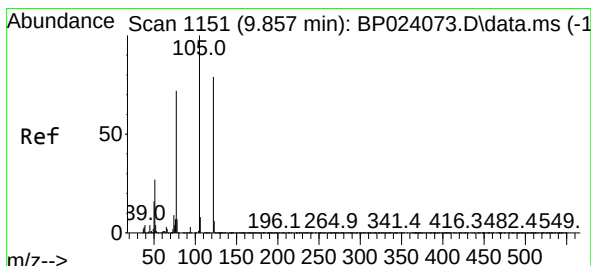
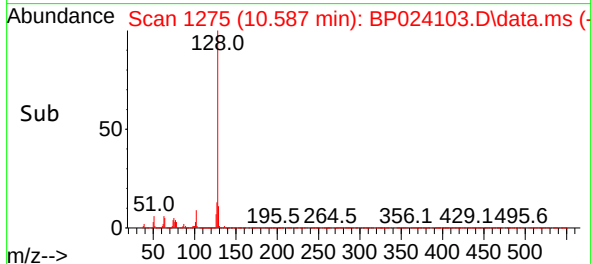
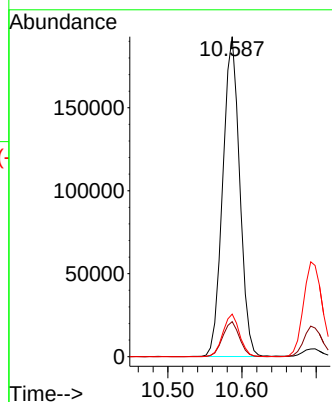
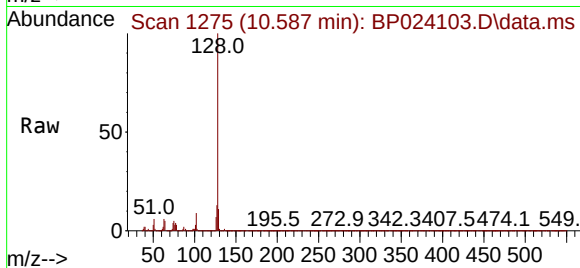
Tgt Ion:128 Resp: 305269

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.3 10.3 15.5



#32

Benzoic acid

Concen: 9.016 ng m

RT: 9.787 min Scan# 1139

Delta R.T. -0.070 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

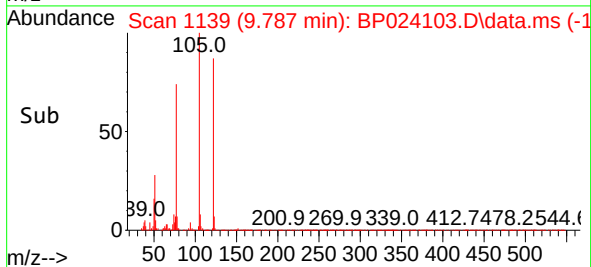
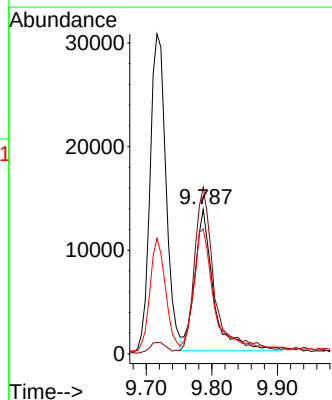
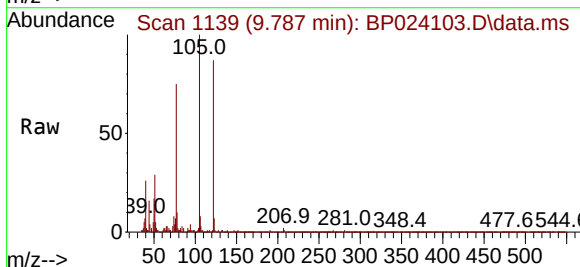
Tgt Ion:122 Resp: 27176

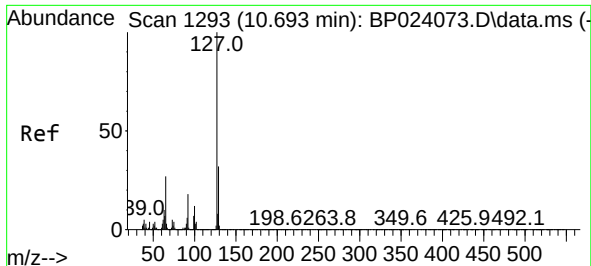
Ion Ratio Lower Upper

122 100

105 115.2 103.7 143.7

77 86.3 69.9 109.9

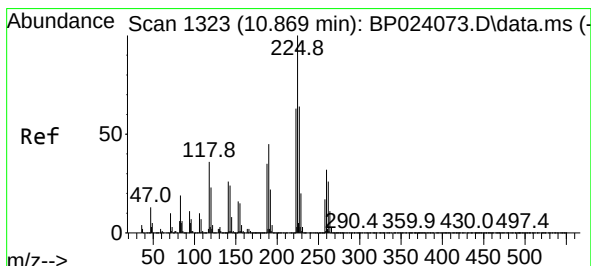
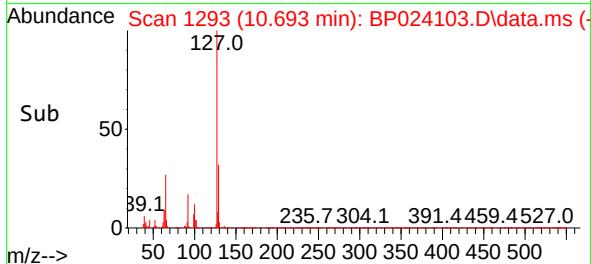
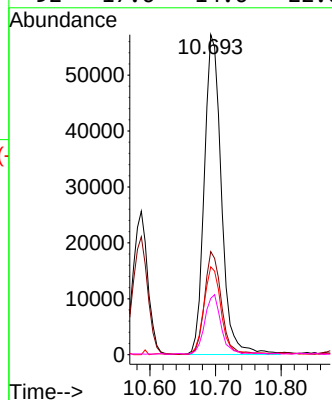
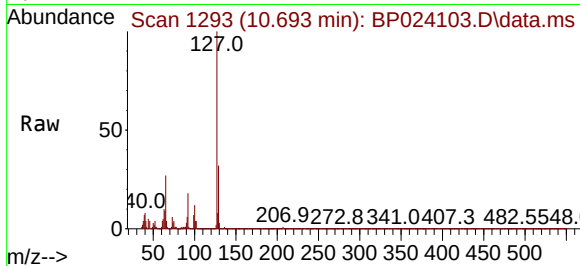




#33
4-Chloroaniline
Concen: 4.096 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

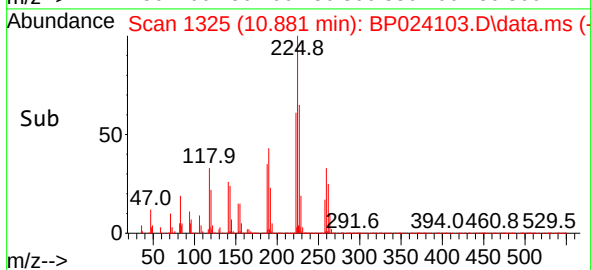
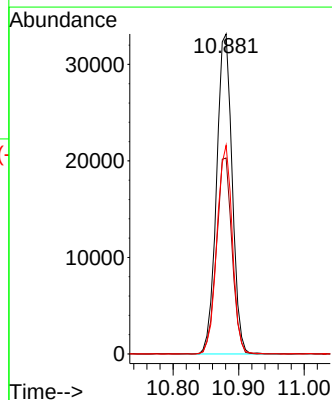
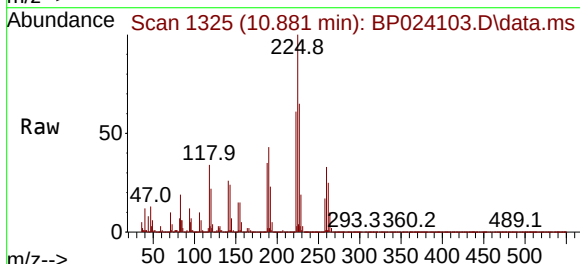
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

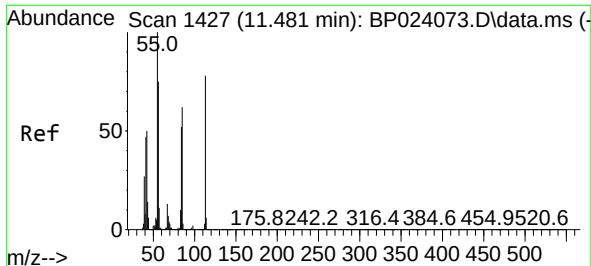
Tgt Ion:	127	Resp:	104015
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.0
65	27.5	21.3	31.9
92	17.6	14.6	22.0



#34
Hexachlorobutadiene
Concen: 4.208 ng
RT: 10.881 min Scan# 1325
Delta R.T. 0.012 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:	225	Resp:	54506
Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	65.2	51.3	76.9

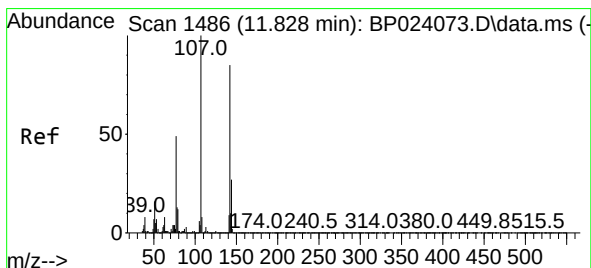
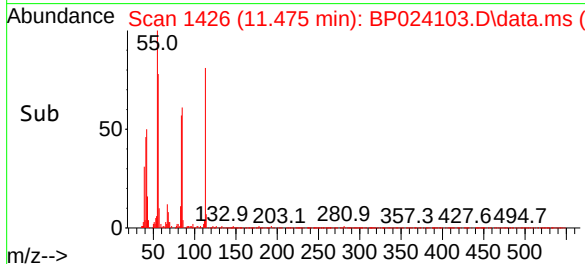
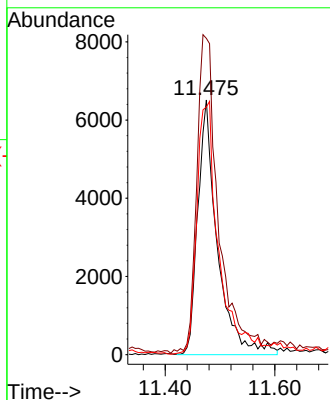
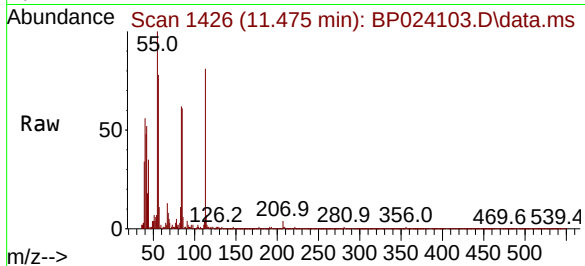




#35
 Caprolactam
 Concen: 7.738 ng m
 RT: 11.475 min Scan# 1427
 Delta R.T. -0.006 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

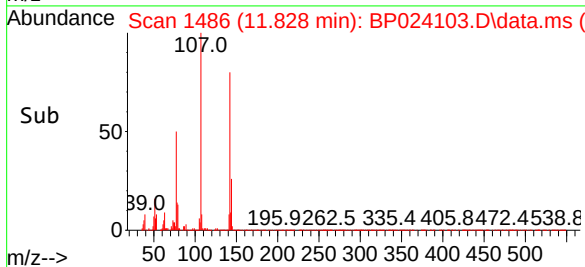
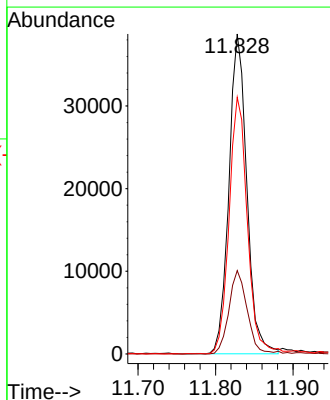
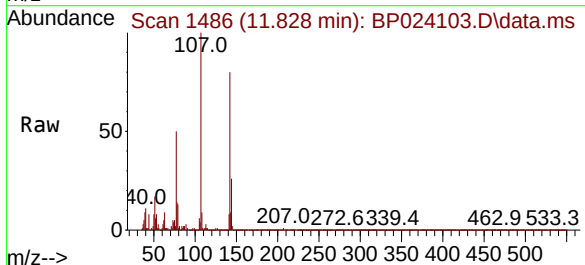
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

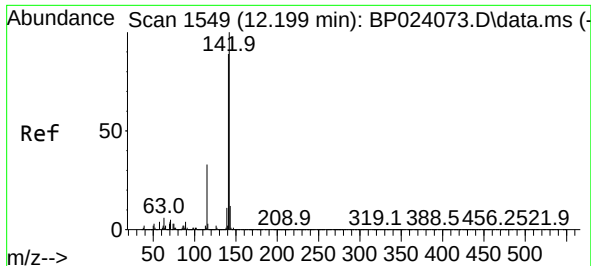
Tgt Ion	Ratio	Lower	Upper
113	100		
55	124.2	108.8	148.8
56	97.3	76.5	116.5



#36
 4-Chloro-3-methylphenol
 Concen: 3.100 ng
 RT: 11.828 min Scan# 1486
 Delta R.T. -0.000 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.8	32.8
142	80.2	67.8	101.8

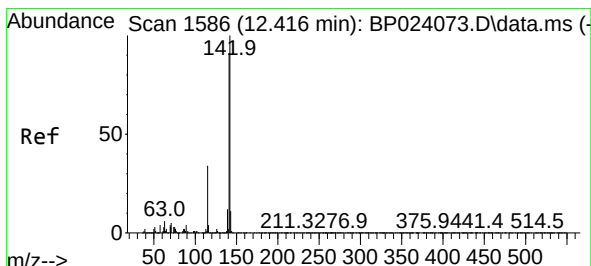
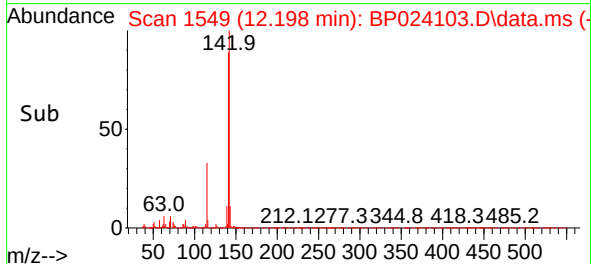
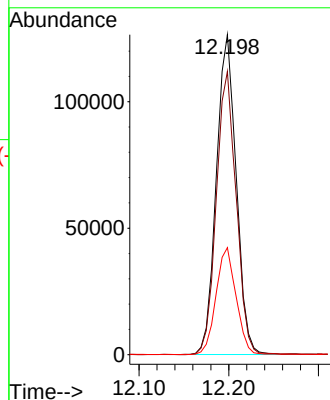
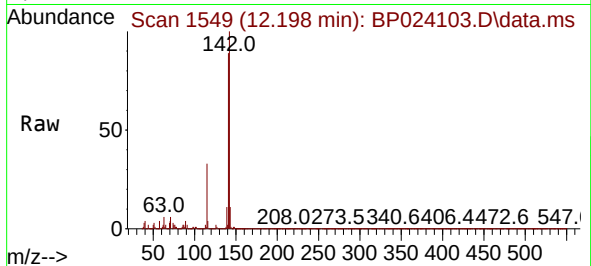




#37
2-Methylnaphthalene
Concen: 4.061 ng
RT: 12.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

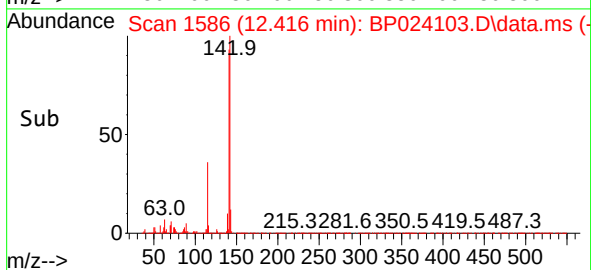
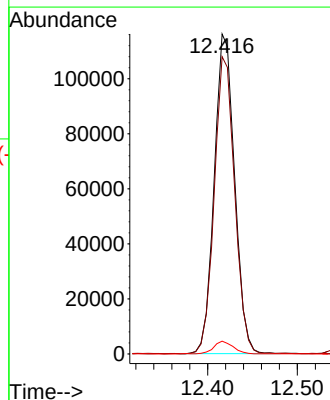
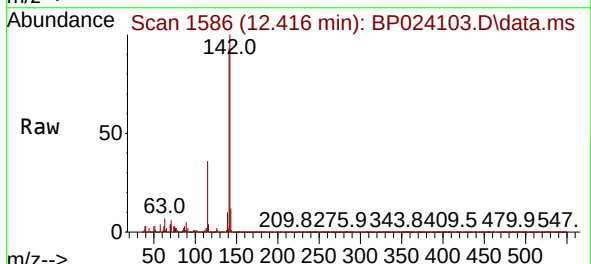
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

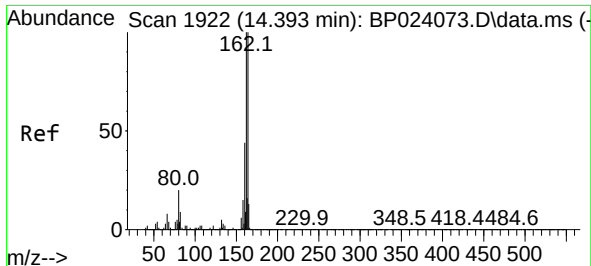
Tgt Ion:142 Resp: 194608
Ion Ratio Lower Upper
142 100
141 88.5 71.2 106.8
115 33.4 26.5 39.7



#38
1-Methylnaphthalene
Concen: 3.918 ng
RT: 12.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:142 Resp: 182630
Ion Ratio Lower Upper
142 100
141 92.9 73.0 109.6
116 4.0 2.8 4.2

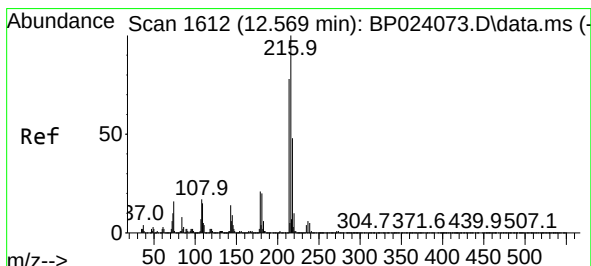
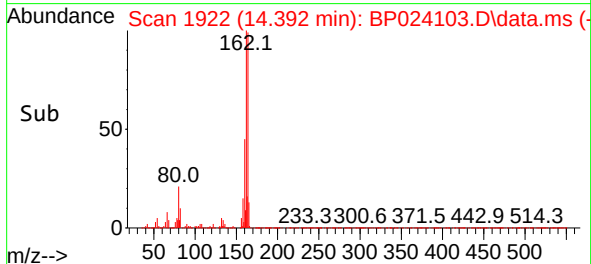
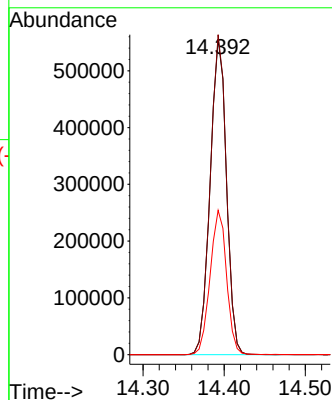
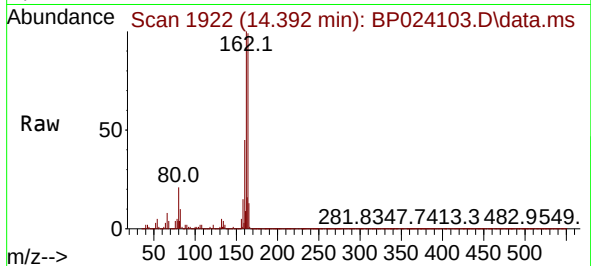




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

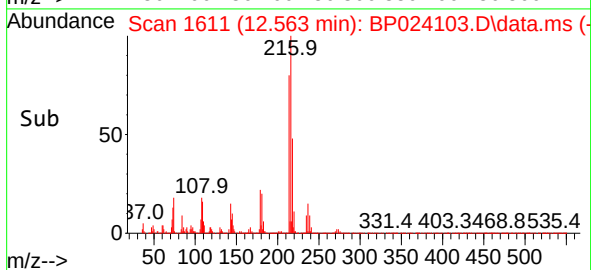
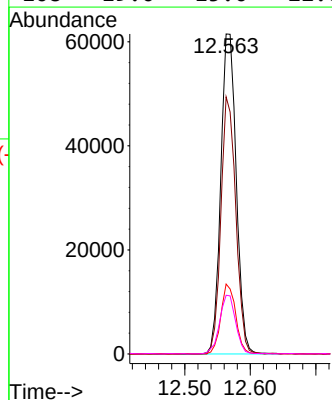
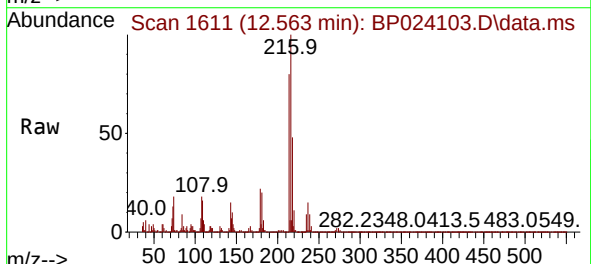
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

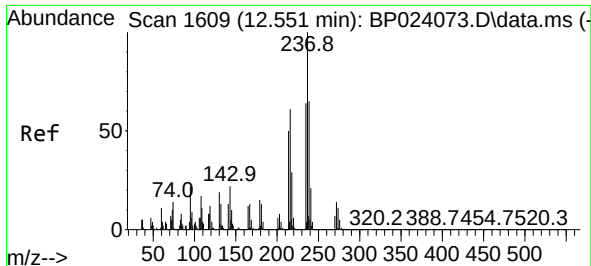
Tgt Ion:164 Resp: 774512
Ion Ratio Lower Upper
164 100
162 101.5 80.1 120.1
160 45.8 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.222 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:216 Resp: 100482
Ion Ratio Lower Upper
216 100
214 77.0 62.7 94.1
179 21.0 16.6 25.0
108 19.0 15.0 22.6

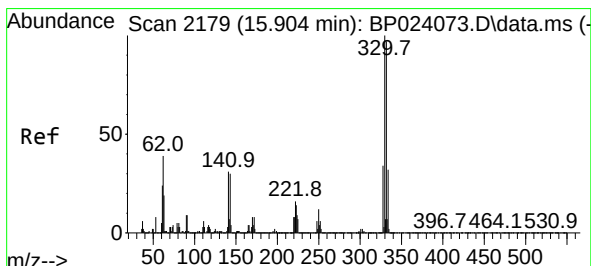
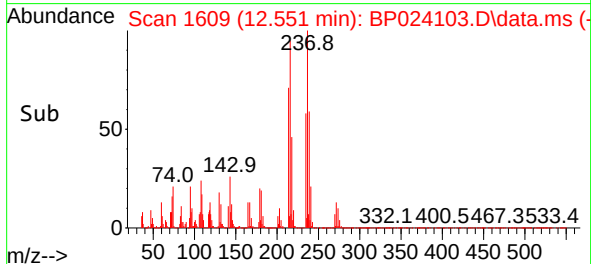
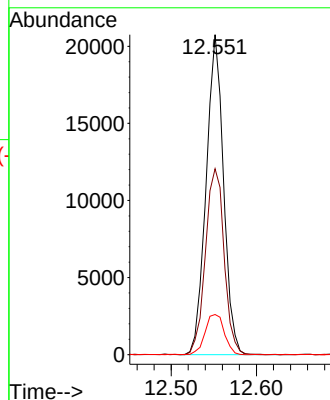
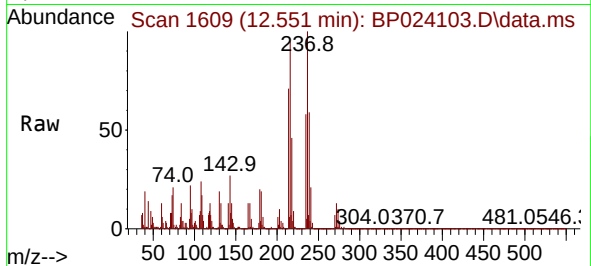




#41
Hexachlorocyclopentadiene
Concen: 3.321 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

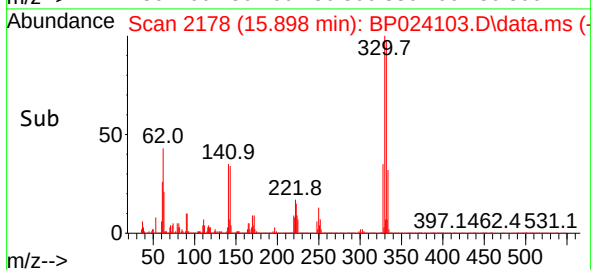
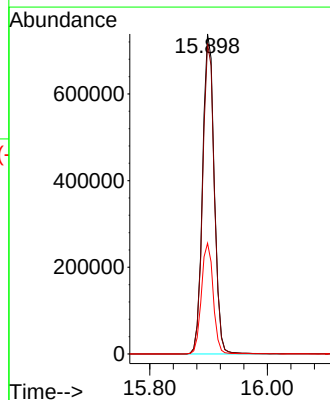
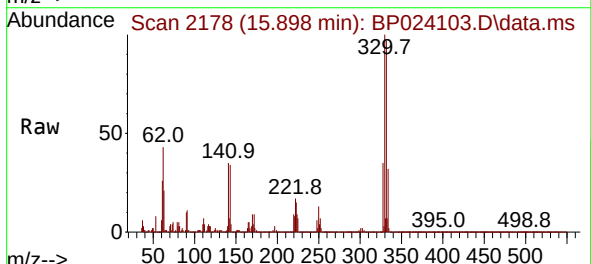
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

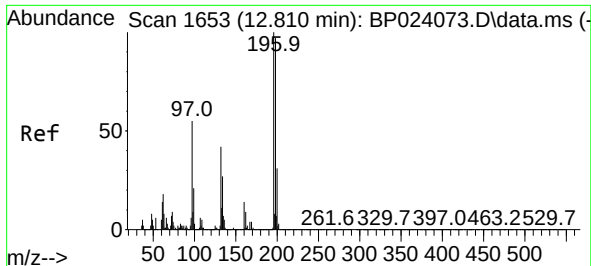
Tgt Ion	Ratio	Lower	Upper
237	100		
235	58.1	43.5	83.5
272	12.6	0.0	33.7



#42
2,4,6-Tribromophenol
Concen: 107.185 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	35.0	28.3	42.5

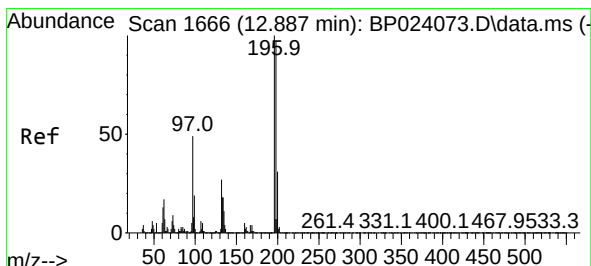
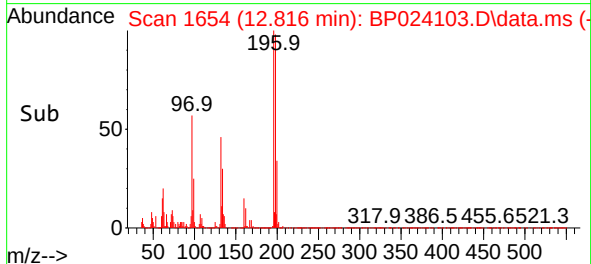
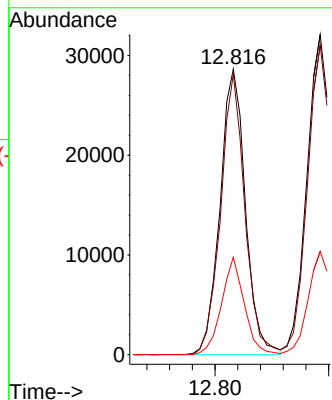
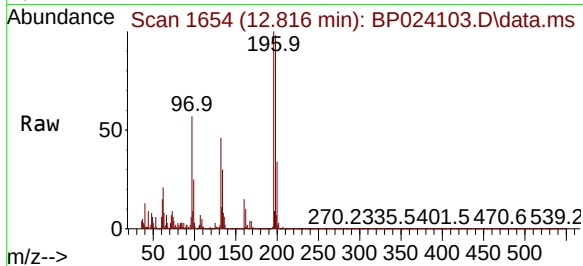




#43
2,4,6-Trichlorophenol
Concen: 3.048 ng
RT: 12.816 min Scan# 1653
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

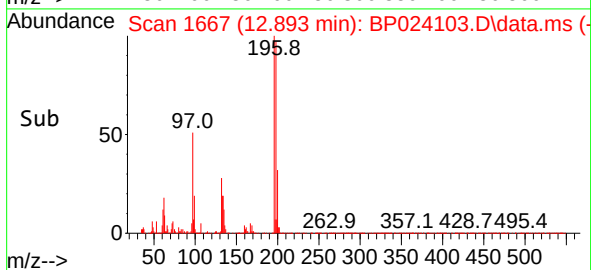
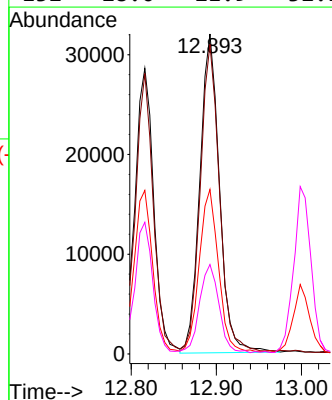
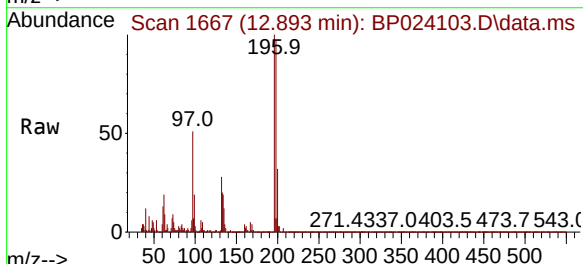
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

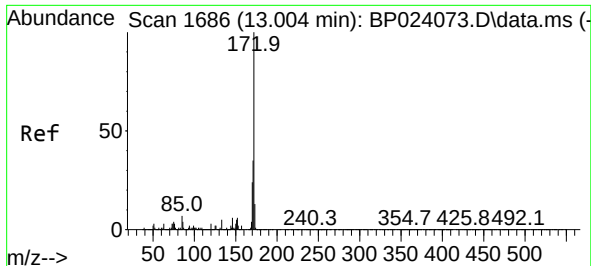
Tgt Ion:196 Resp: 44236
Ion Ratio Lower Upper
196 100
198 98.2 77.8 116.6
200 34.1 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 3.217 ng
RT: 12.893 min Scan# 1667
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:196 Resp: 51058
Ion Ratio Lower Upper
196 100
198 96.7 77.4 116.2
97 51.4 39.0 58.4
132 28.0 21.9 32.9

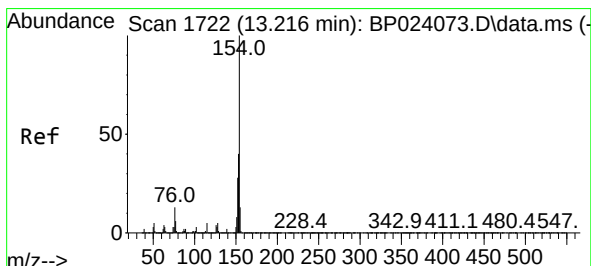
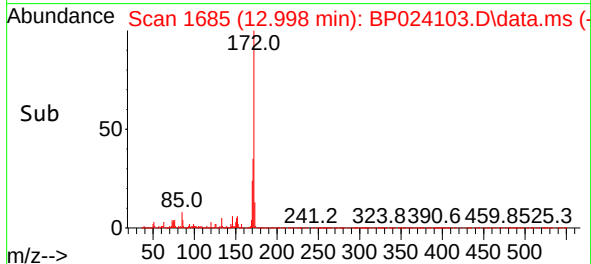
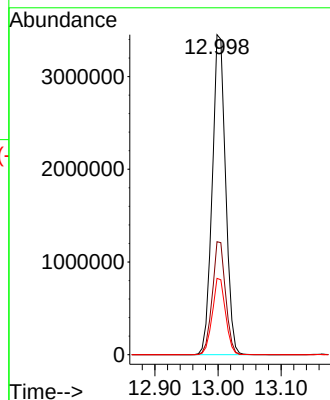
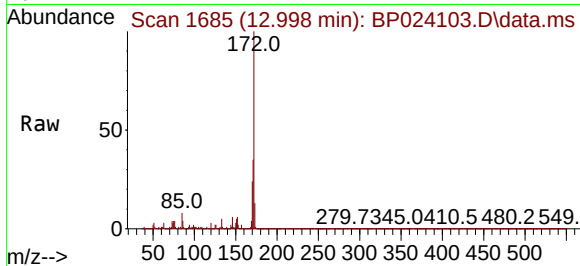




#45
2-Fluorobiphenyl
Concen: 91.196 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

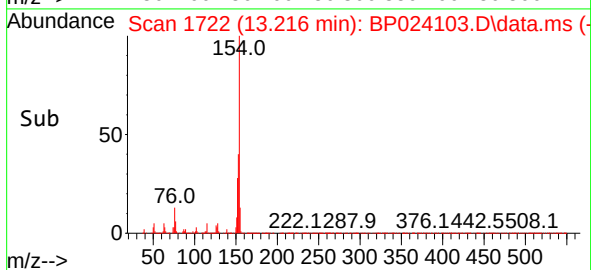
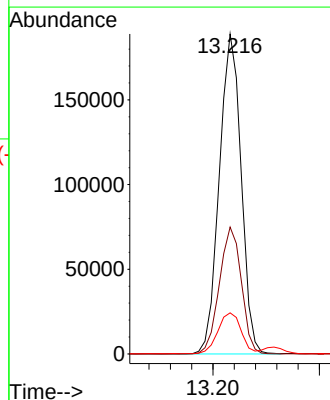
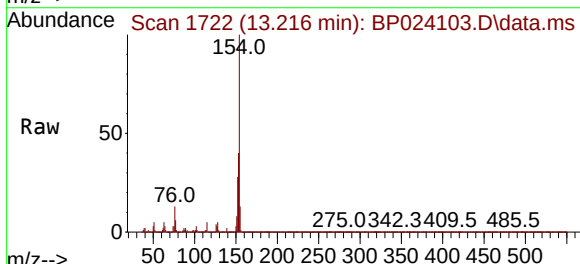
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

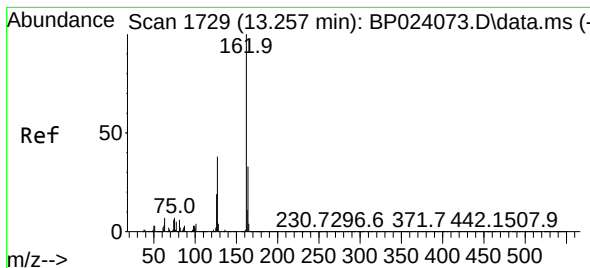
Tgt Ion:172 Resp: 5052399
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.9 19.0 28.6



#46
1,1'-Biphenyl
Concen: 4.454 ng
RT: 13.216 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:154 Resp: 268042
Ion Ratio Lower Upper
154 100
153 39.6 20.0 60.0
76 12.9 0.0 32.6

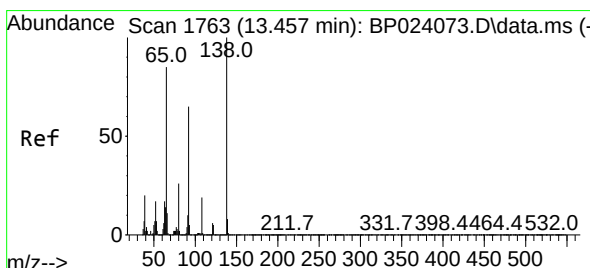
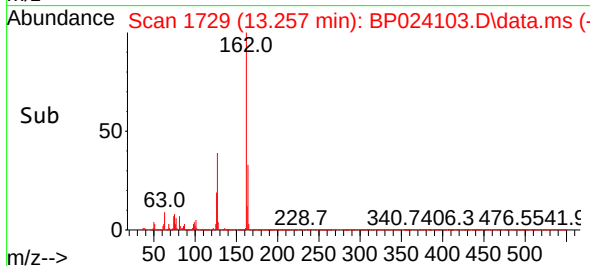
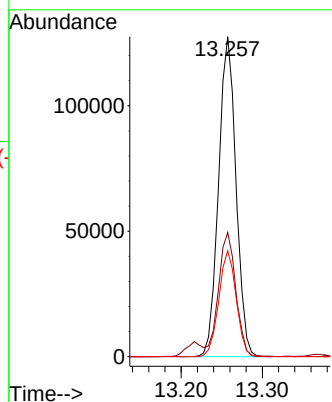
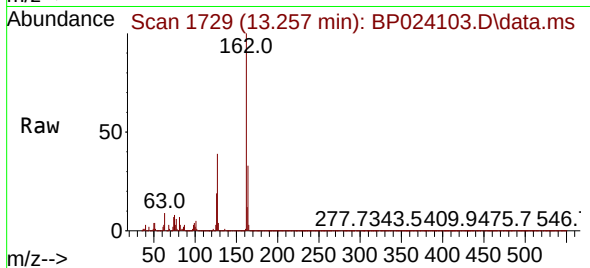




#47
2-Chloronaphthalene
Concen: 4.189 ng
RT: 13.257 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

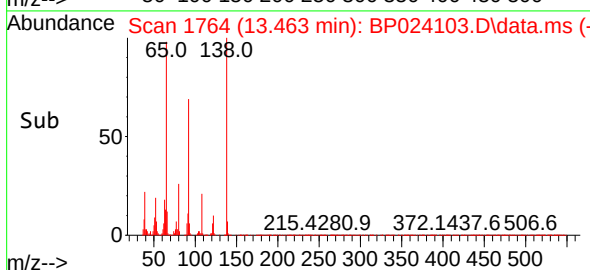
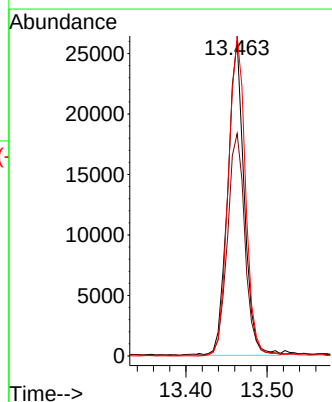
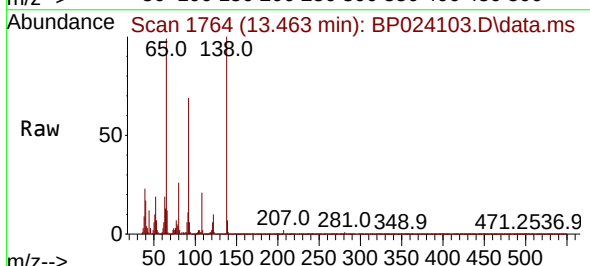
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2025

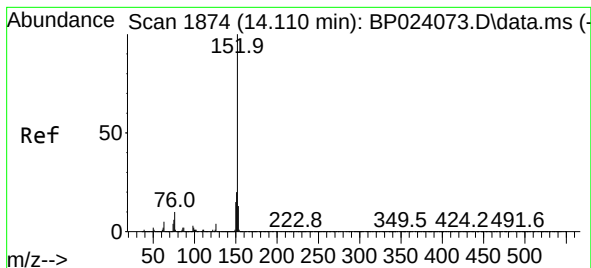
Tgt Ion:162 Resp: 190570
Ion Ratio Lower Upper
162 100
127 38.8 30.7 46.1
164 33.1 26.6 39.8



#48
2-Nitroaniline
Concen: 3.424 ng
RT: 13.463 min Scan# 1764
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion: 65 Resp: 36803
Ion Ratio Lower Upper
65 100
92 70.5 61.7 92.5
138 101.5 94.6 142.0





#49

Acenaphthylene

Concen: 4.029 ng

RT: 14.110 min Scan# 1874

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

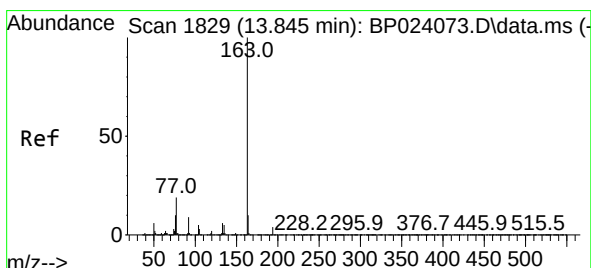
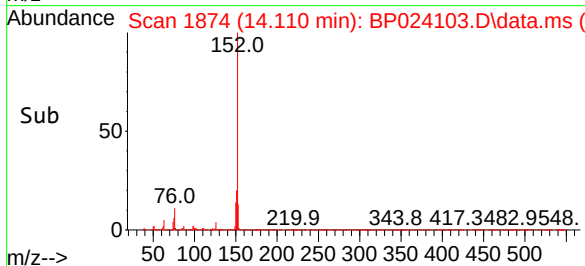
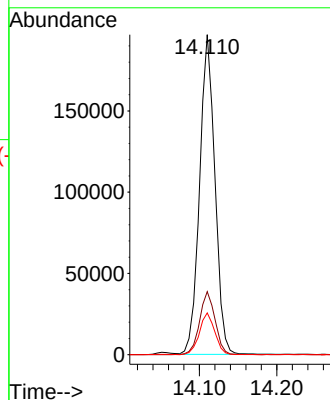
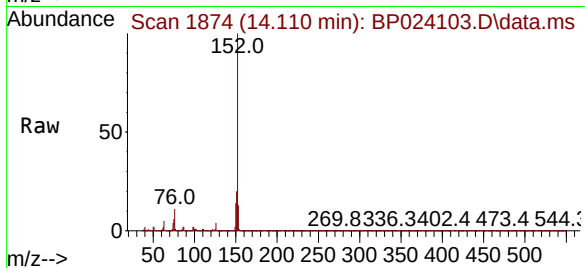
Tgt Ion:152 Resp: 270055

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

153 13.1 10.7 16.1



#50

Dimethylphthalate

Concen: 4.027 ng

RT: 13.845 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

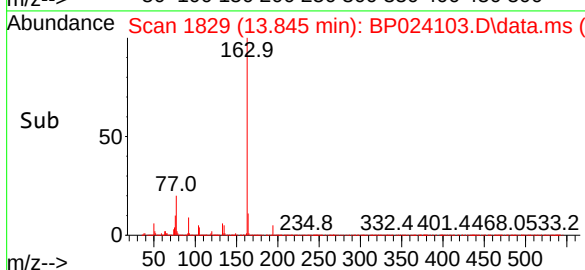
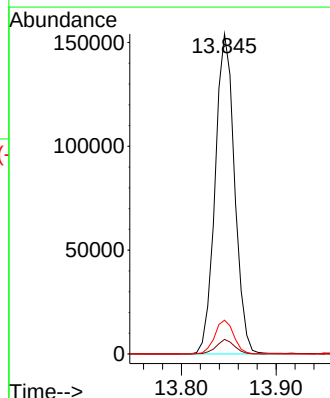
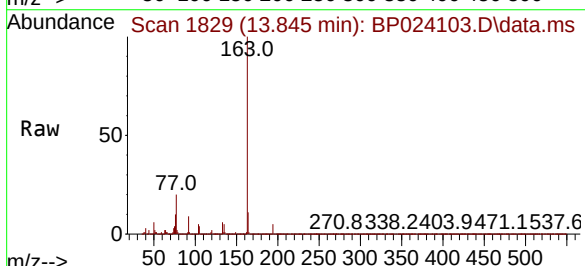
Tgt Ion:163 Resp: 220032

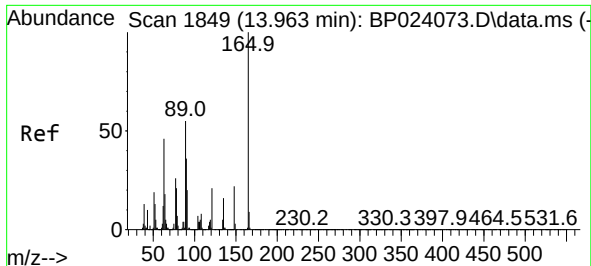
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 10.6 8.1 12.1

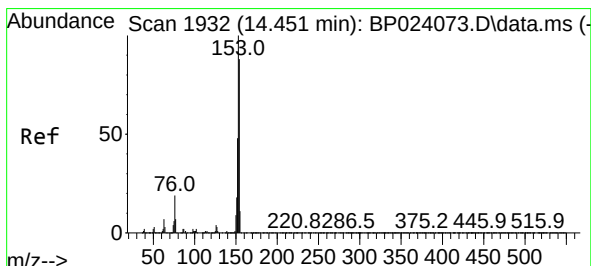
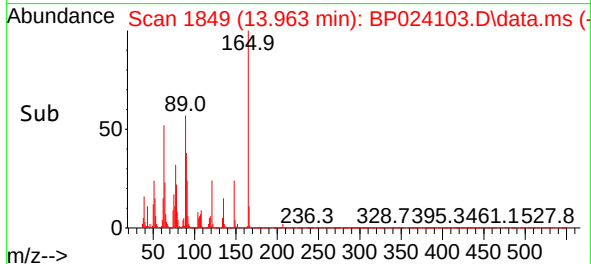
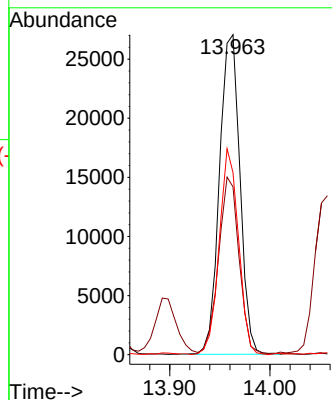
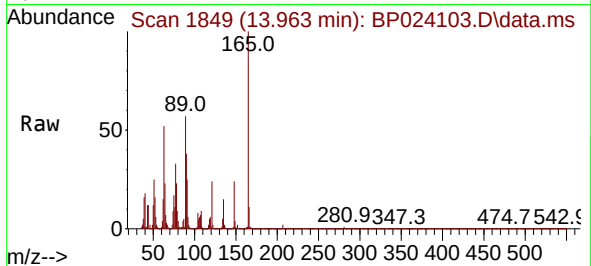




#51
2,6-Dinitrotoluene
Concen: 3.442 ng
RT: 13.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

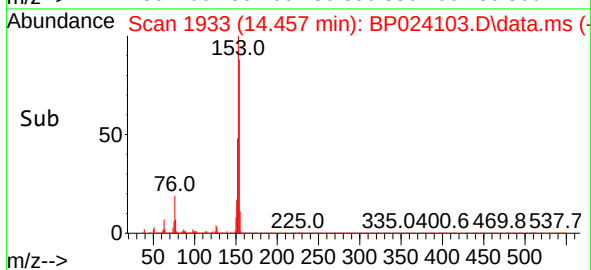
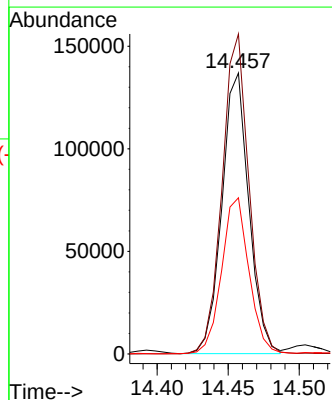
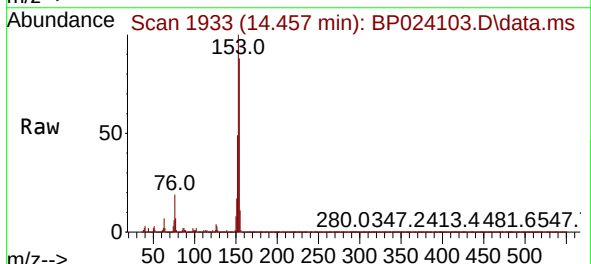
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

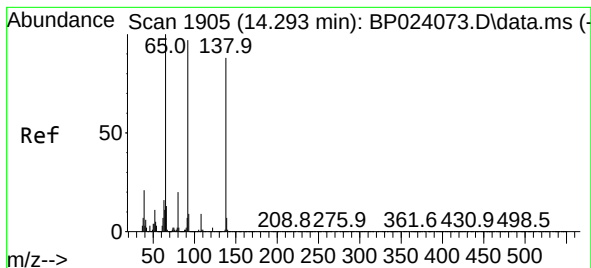
Tgt Ion:165 Resp: 38309
Ion Ratio Lower Upper
165 100
63 52.5 40.1 60.1
89 56.9 44.2 66.4



#52
Acenaphthene
Concen: 4.189 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:154 Resp: 180801
Ion Ratio Lower Upper
154 100
153 113.9 90.6 135.8
152 55.6 43.6 65.4





#53

3-Nitroaniline

Concen: 3.229 ng

RT: 14.298 min Scan# 1905

Delta R.T. 0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

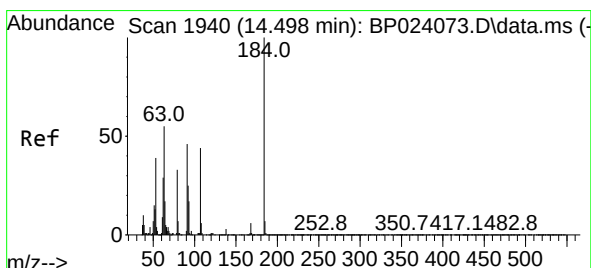
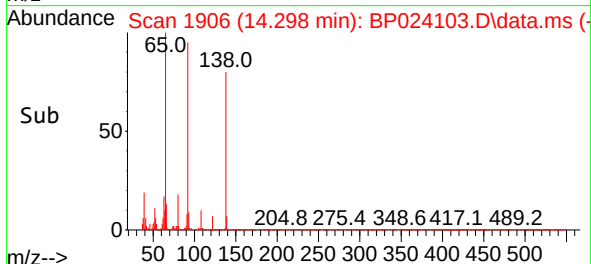
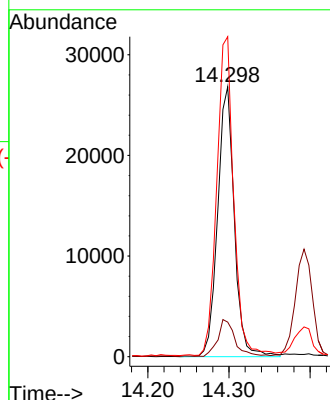
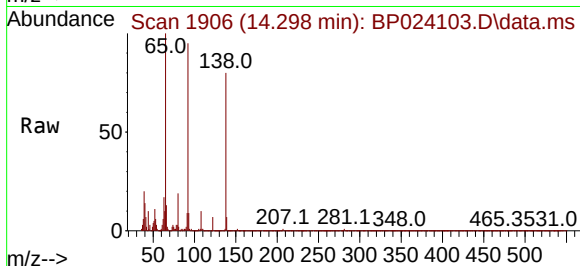
Tgt Ion:138 Resp: 38349

Ion Ratio Lower Upper

138 100

108 12.8 7.8 11.8#

92 118.6 88.4 132.6



#54

2,4-Dinitrophenol

Concen: 9.279 ng

RT: 14.504 min Scan# 1941

Delta R.T. 0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

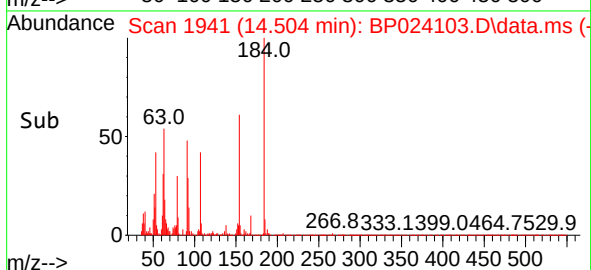
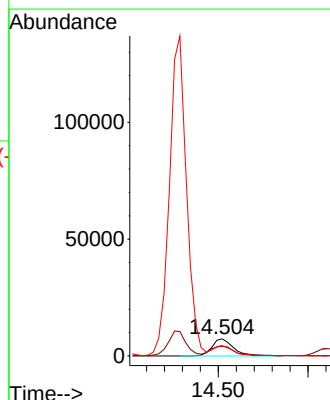
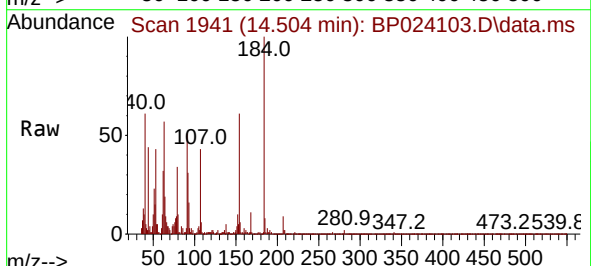
Tgt Ion:184 Resp: 12183

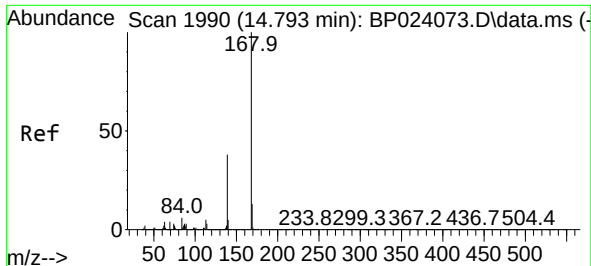
Ion Ratio Lower Upper

184 100

63 56.6 49.4 74.0

154 60.8 49.2 73.8

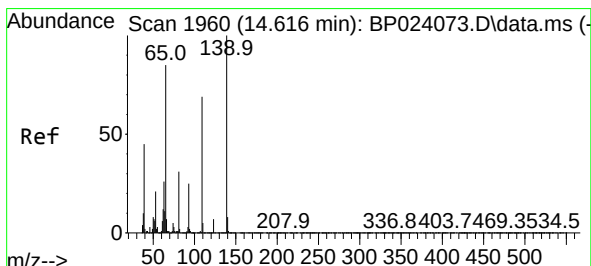
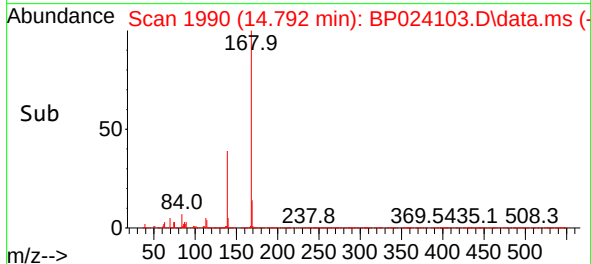
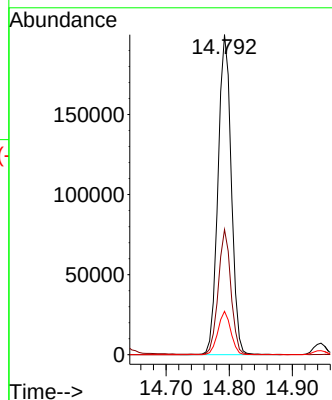
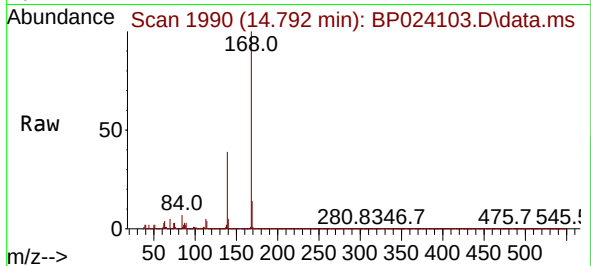




#55
Dibenzenofuran
Concen: 4.140 ng
RT: 14.792 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

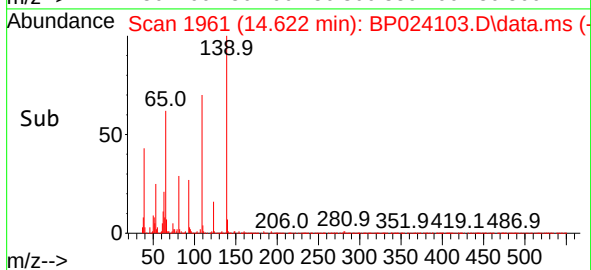
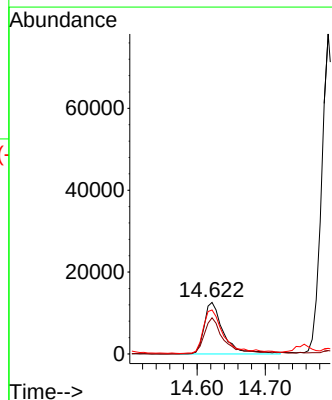
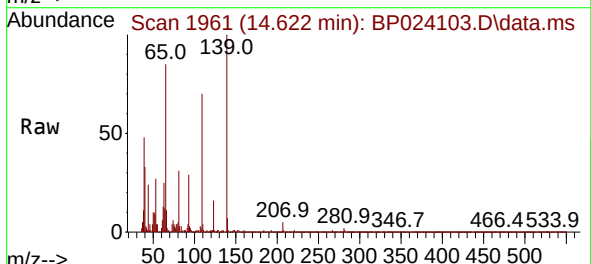
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

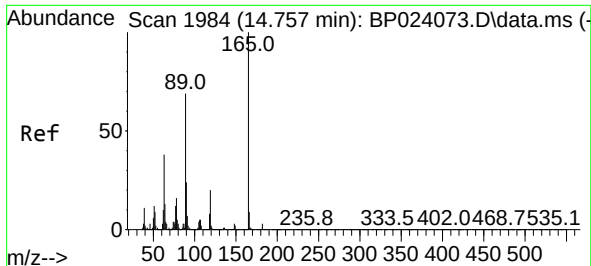
Tgt Ion:168 Resp: 290336
Ion Ratio Lower Upper
168 100
139 39.1 30.2 45.2
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 2.403 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:139 Resp: 24654
Ion Ratio Lower Upper
139 100
109 70.1 49.2 89.2
65 85.3 65.4 105.4

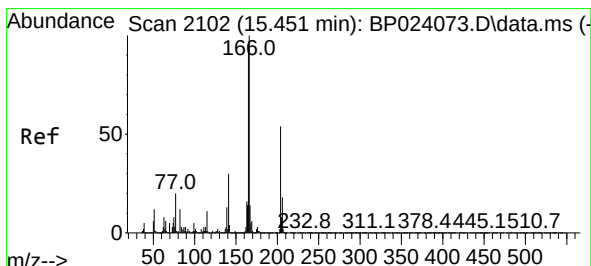
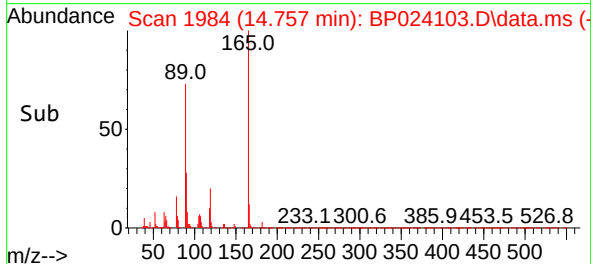
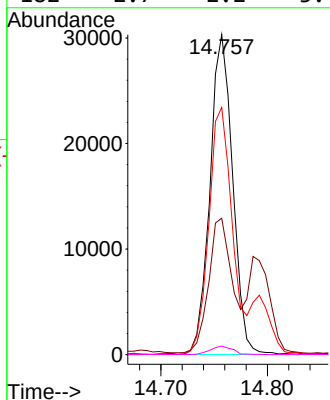
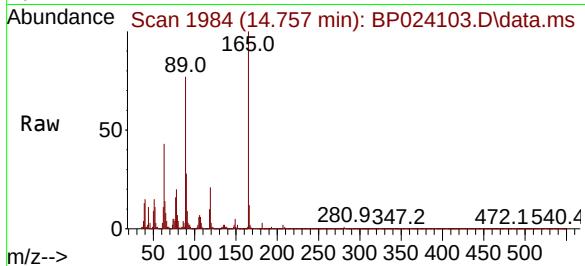




#57
2,4-Dinitrotoluene
Concen: 3.103 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

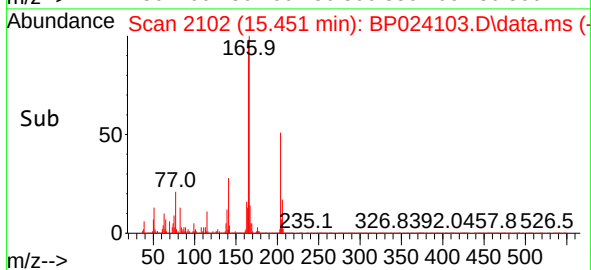
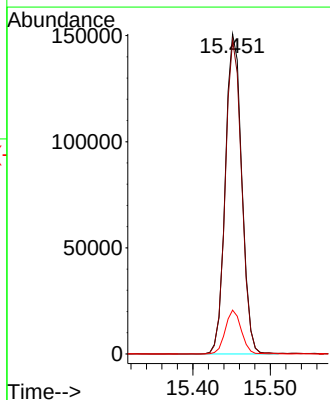
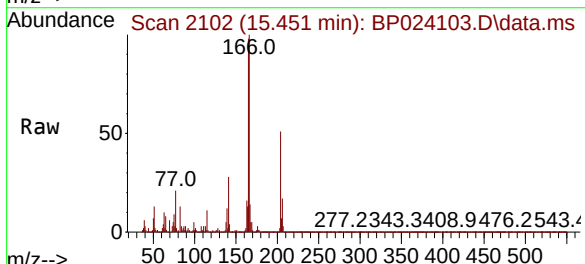
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

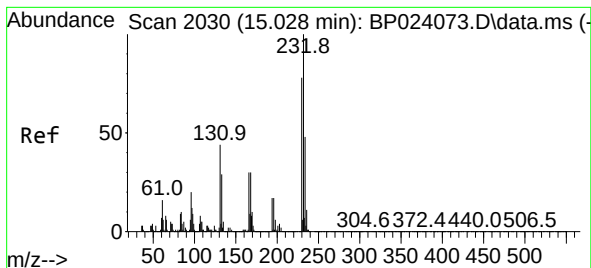
Tgt Ion:	165	Resp:	44860
Ion	Ratio	Lower	Upper
165	100		
63	42.6	30.4	45.6
89	77.3	54.8	82.2
182	2.7	2.2	3.4



#58
Fluorene
Concen: 4.050 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:	166	Resp:	221809
Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.5	116.3
167	13.7	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.304 ng m

RT: 15.028 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:232 Resp: 45503

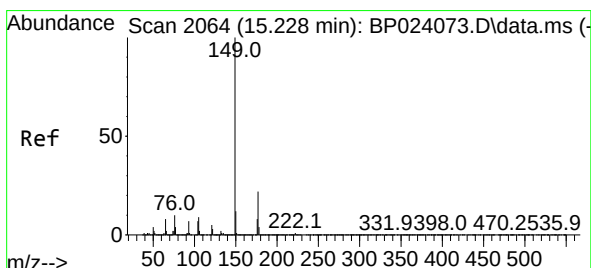
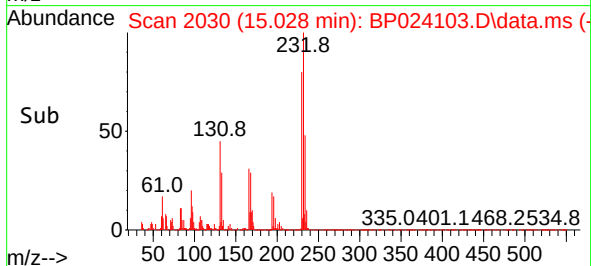
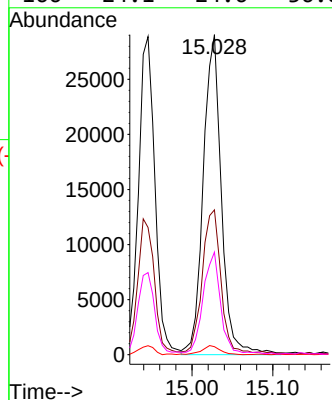
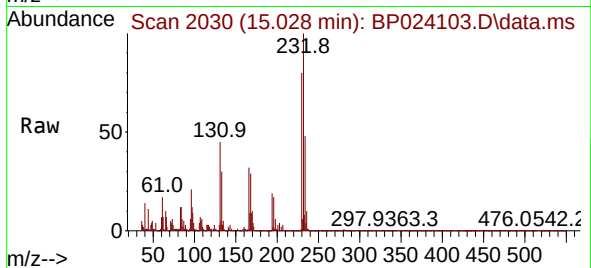
Ion Ratio Lower Upper

232 100

131 39.0 37.3 55.9

130 2.5 1.9 2.9

166 24.1 24.6 36.8#



#60

Diethylphthalate

Concen: 3.897 ng

RT: 15.228 min Scan# 2064

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

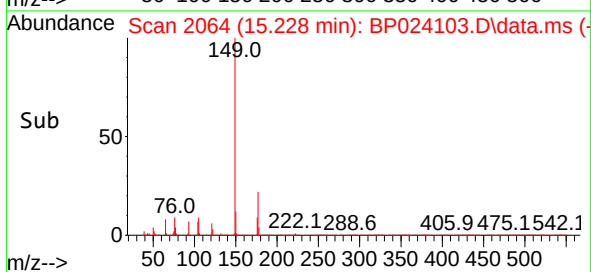
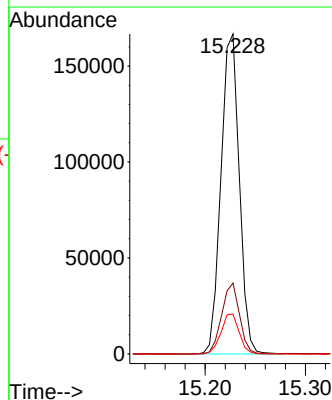
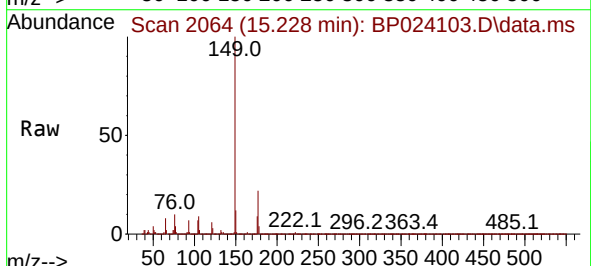
Tgt Ion:149 Resp: 211336

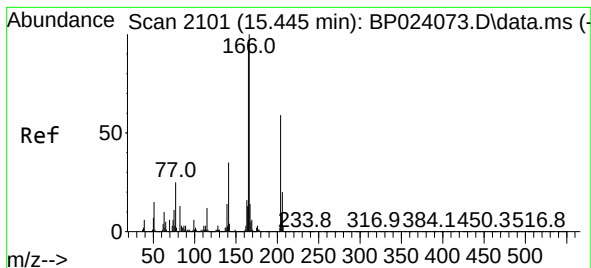
Ion Ratio Lower Upper

149 100

177 22.1 17.9 26.9

150 12.5 9.8 14.6

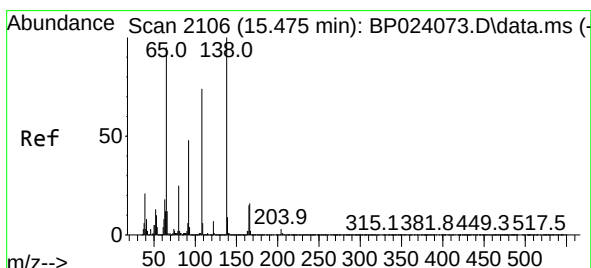
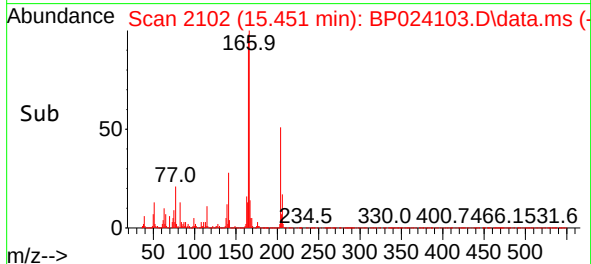
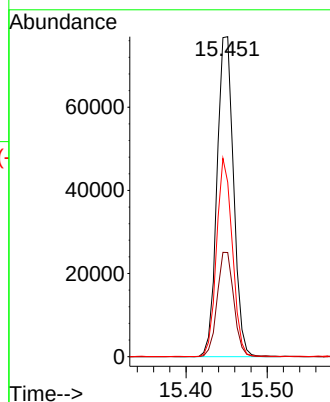
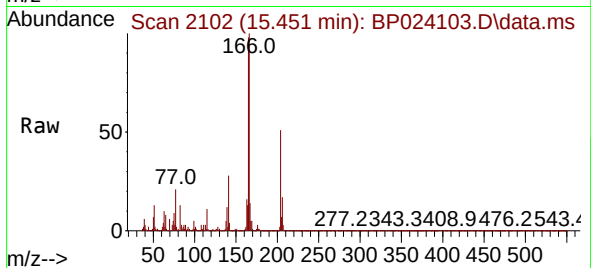




#61
4-Chlorophenyl-phenylether
Concen: 4.055 ng
RT: 15.451 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

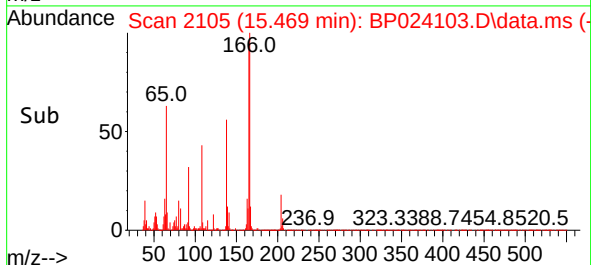
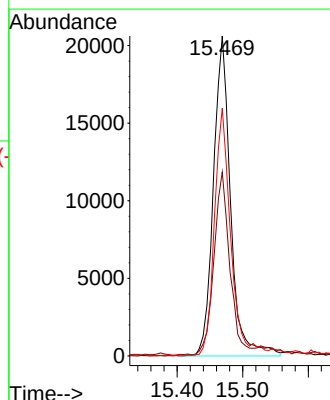
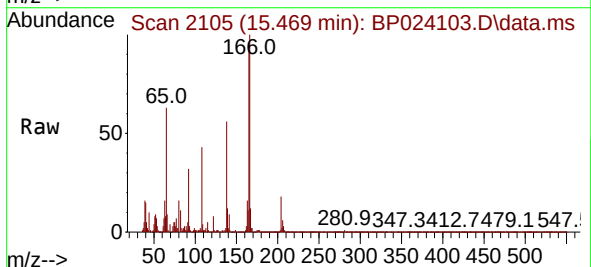
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

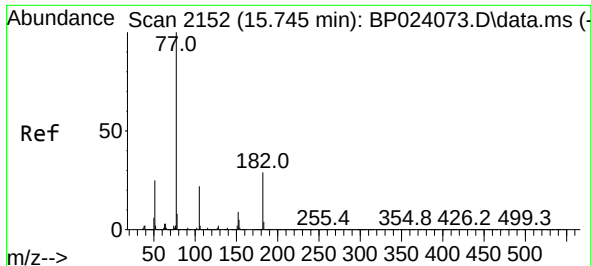
Tgt Ion:204 Resp: 109304
Ion Ratio Lower Upper
204 100
206 32.6 26.6 39.8
141 54.5 47.8 71.6



#62
4-Nitroaniline
Concen: 5.760 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:138 Resp: 37313
Ion Ratio Lower Upper
138 100
92 57.5 28.3 68.3
108 77.4 54.0 94.0

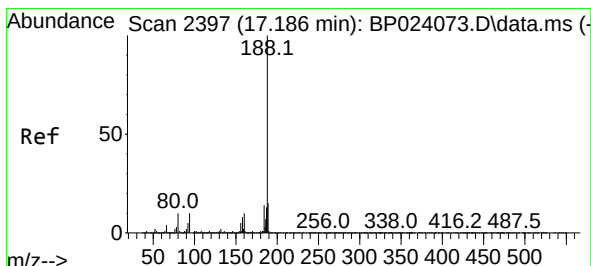
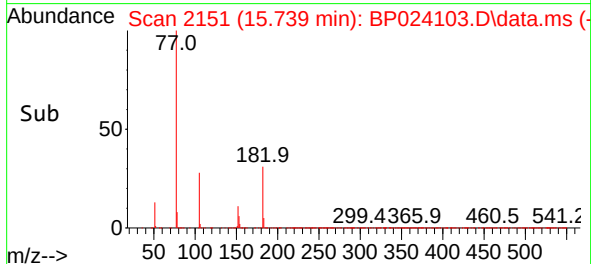
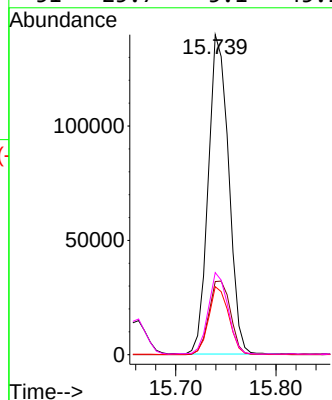
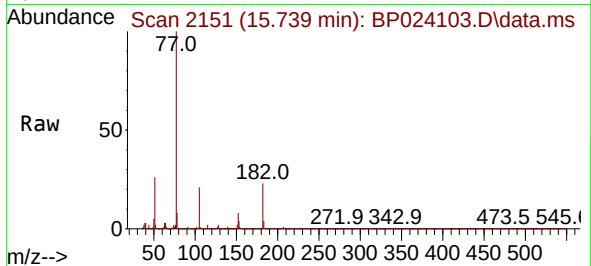




#63
Azobenzene
Concen: 3.880 ng
RT: 15.739 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

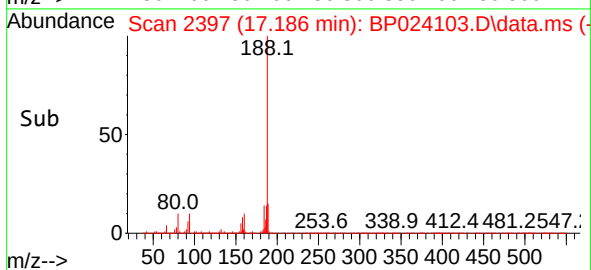
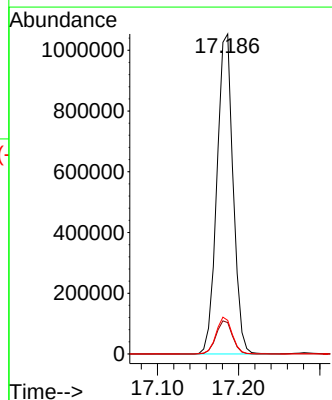
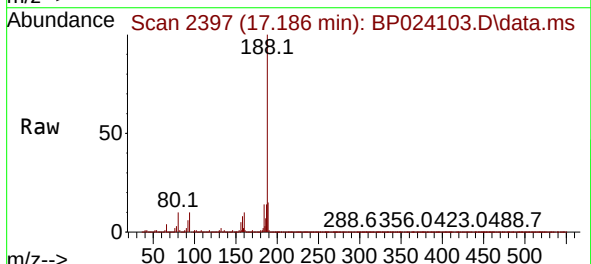
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT1-2025

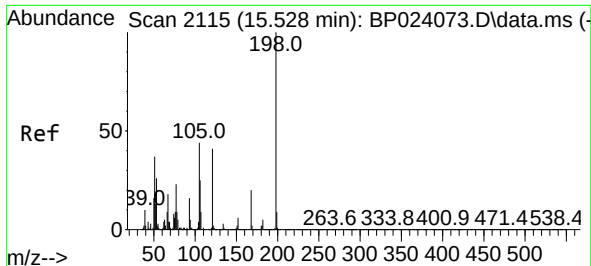
Tgt Ion: 77	Resp: 197174
Ion Ratio	Lower Upper
77 100	
182 22.9	8.5 48.5
105 21.2	1.8 41.8
51 25.7	5.1 45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:188	Resp: 1461247		
Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.6	11.4
80	10.5	8.2	12.2

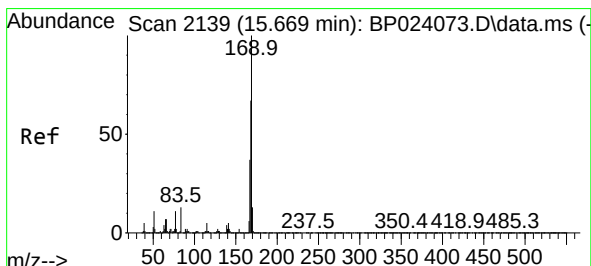
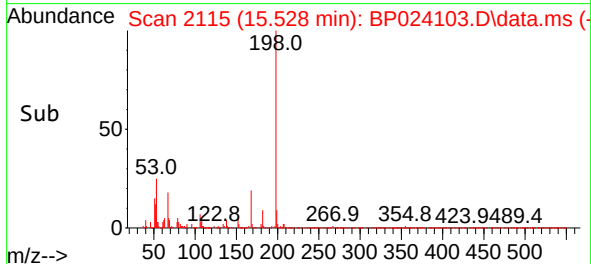
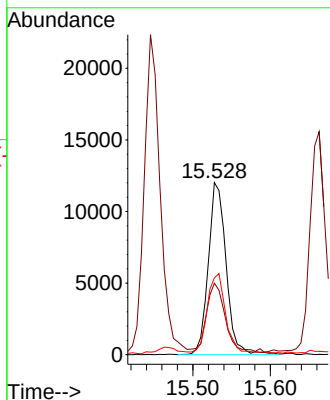
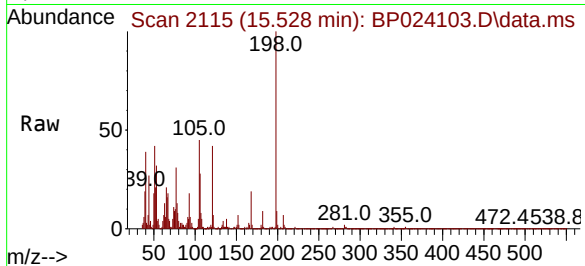




#65
4,6-Dinitro-2-methylphenol
Concen: 7.797 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

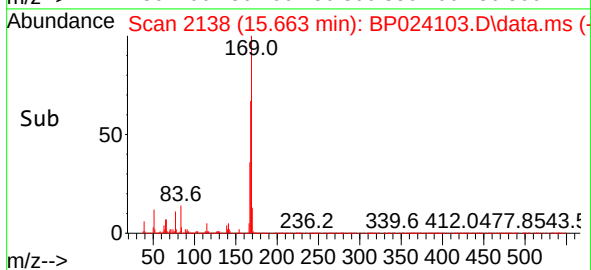
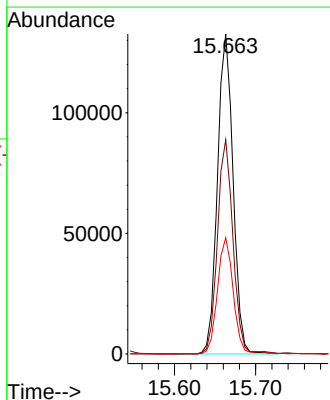
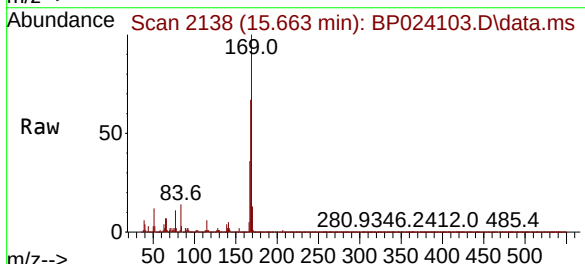
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

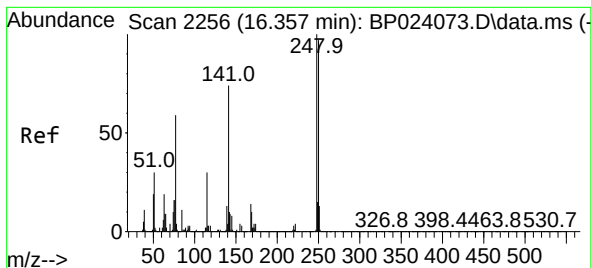
Tgt Ion:198 Resp: 19183
Ion Ratio Lower Upper
198 100
51 41.5 18.7 58.7
105 44.6 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 3.895 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:169 Resp: 177511
Ion Ratio Lower Upper
169 100
168 66.9 53.6 80.4
167 36.3 29.5 44.3

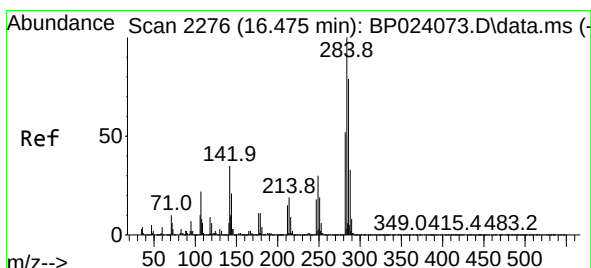
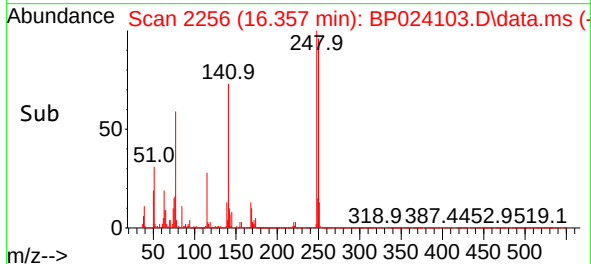
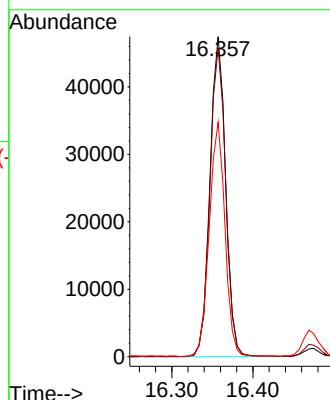
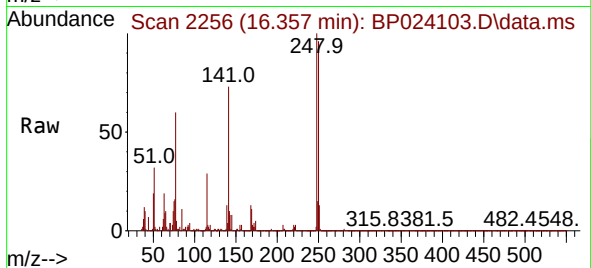




#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 16.357 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

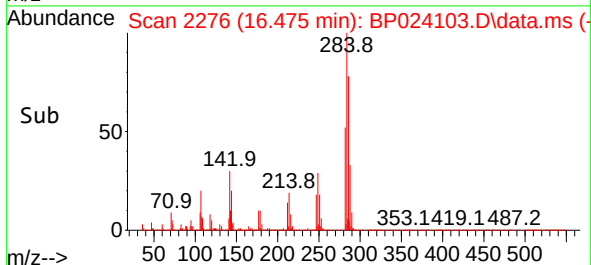
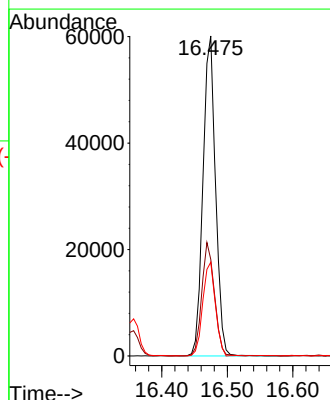
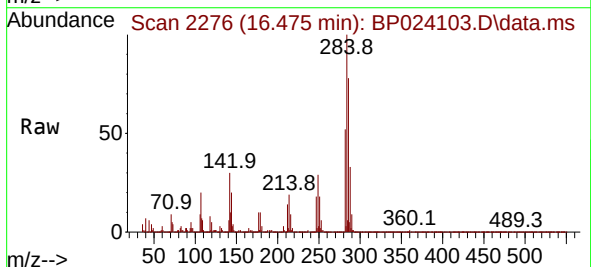
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

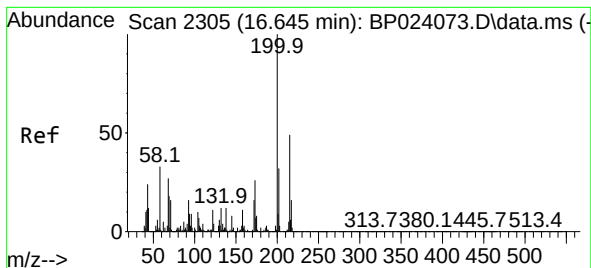
Tgt Ion:248 Resp: 63326
Ion Ratio Lower Upper
248 100
250 96.4 77.9 116.9
141 73.2 58.8 88.2



#68
Hexachlorobenzene
Concen: 4.150 ng
RT: 16.475 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:284 Resp: 80134
Ion Ratio Lower Upper
284 100
142 30.2 27.7 41.5
249 32.1 23.8 35.6





#69

Atrazine

Concen: 4.434 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

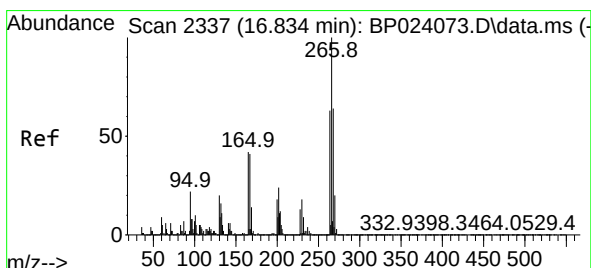
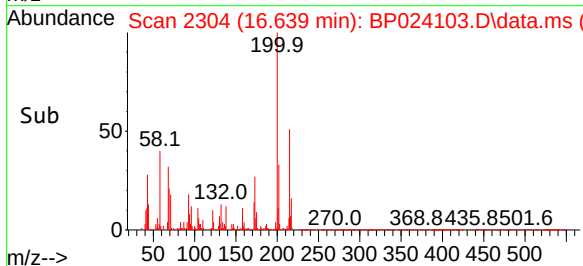
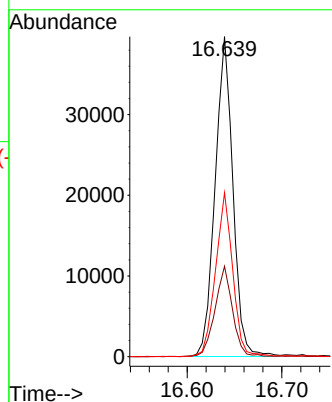
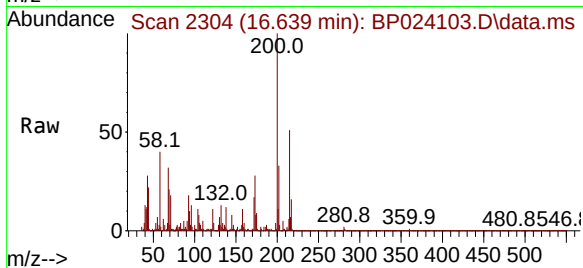
Tgt Ion:200 Resp: 51848

Ion Ratio Lower Upper

200 100

173 28.2 5.7 45.7

215 51.3 28.7 68.7



#70

Pentachlorophenol

Concen: 2.360 ng

RT: 16.828 min Scan# 2336

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

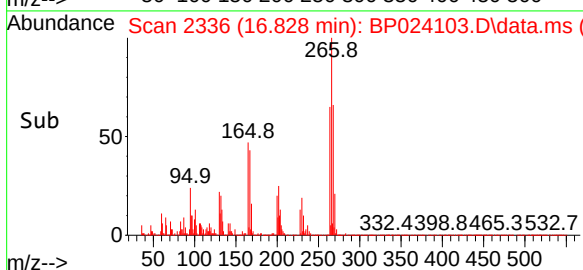
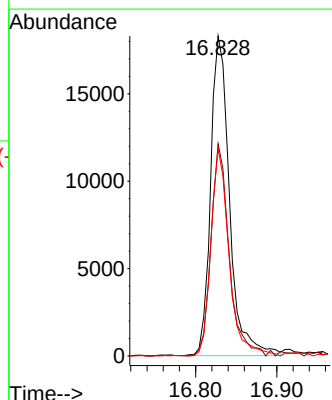
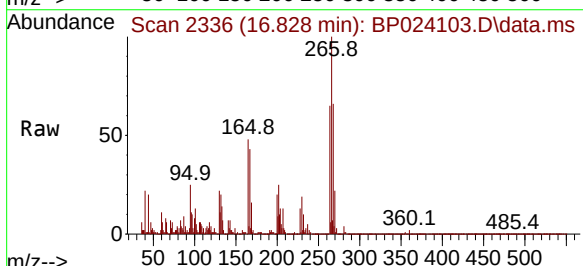
Tgt Ion:266 Resp: 29593

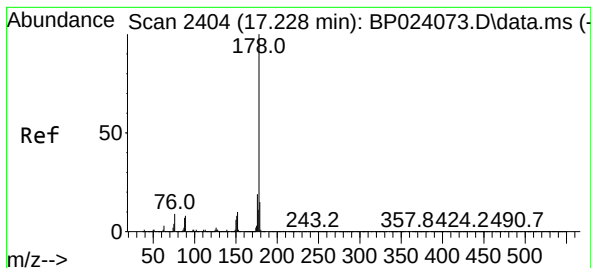
Ion Ratio Lower Upper

266 100

268 66.4 51.3 76.9

264 64.7 50.5 75.7





#71

Phenanthrene

Concen: 4.283 ng

RT: 17.228 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

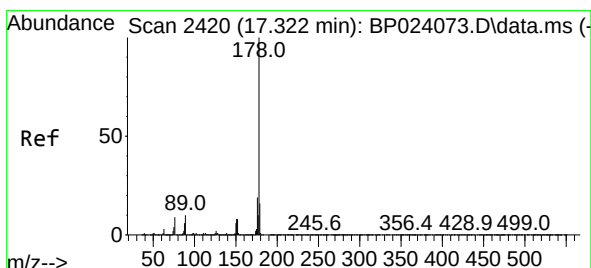
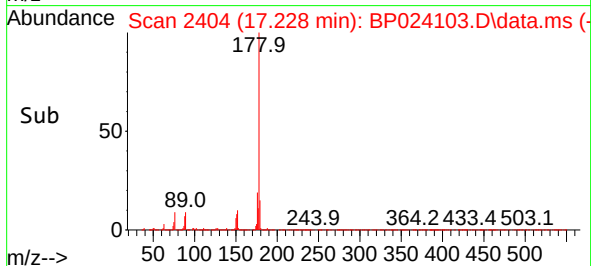
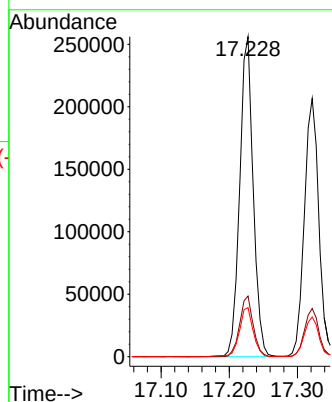
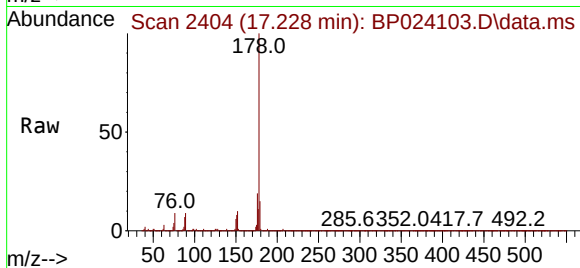
Tgt Ion:178 Resp: 352886

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.3 12.4 18.6



#72

Anthracene

Concen: 3.925 ng

RT: 17.322 min Scan# 2420

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

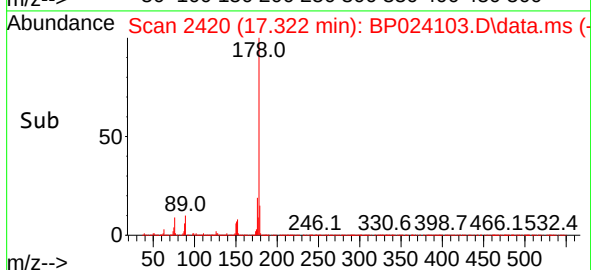
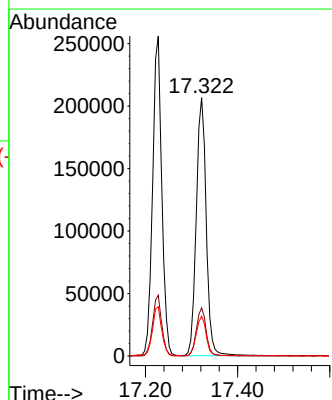
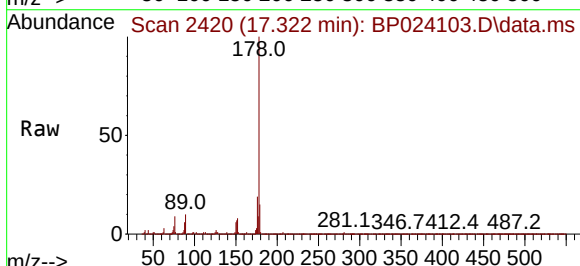
Tgt Ion:178 Resp: 309846

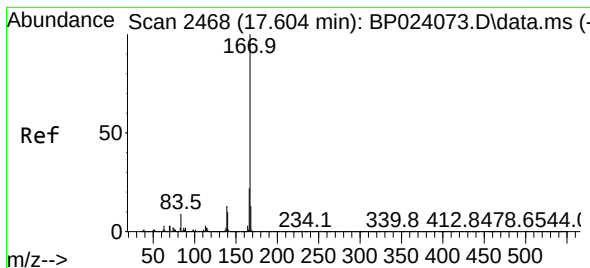
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.4 12.6 19.0





#73

Carbazole

Concen: 3.715 ng

RT: 17.598 min Scan# 2467

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

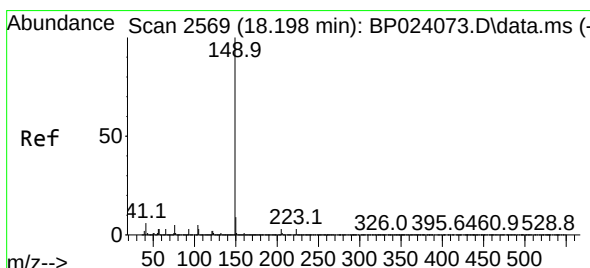
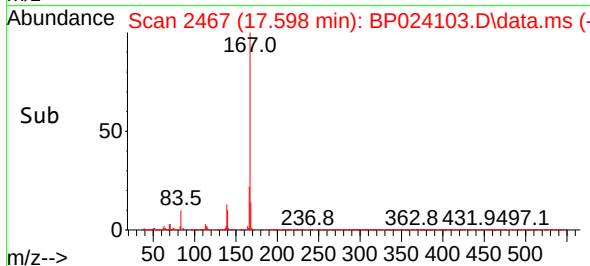
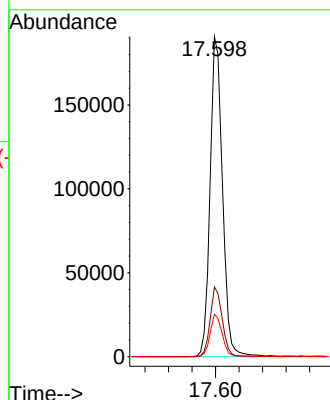
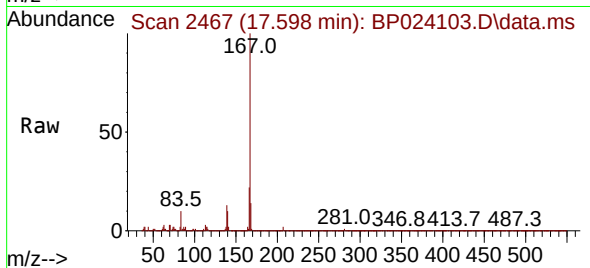
Tgt Ion:167 Resp: 279430

Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.3 10.3 15.5



#74

Di-n-butylphthalate

Concen: 3.397 ng

RT: 18.192 min Scan# 2568

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

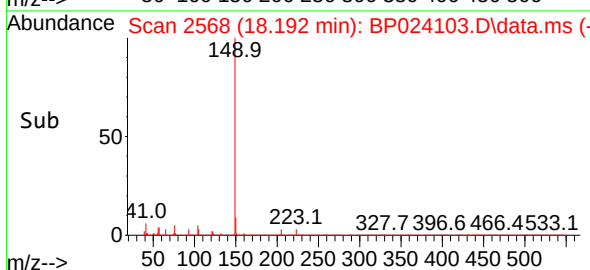
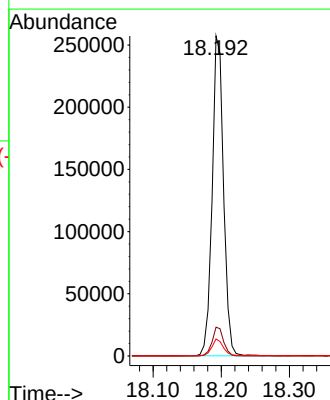
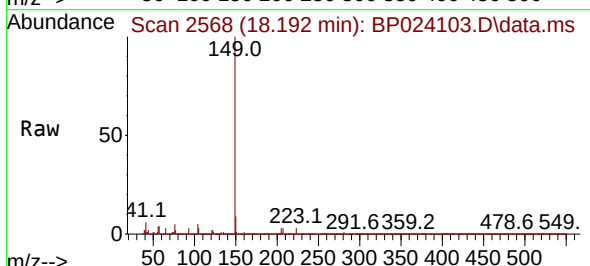
Tgt Ion:149 Resp: 298107

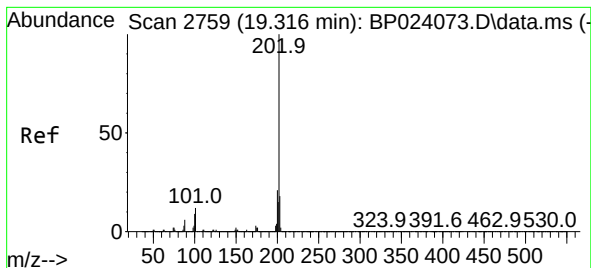
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.3 4.2 6.2





#75

Fluoranthene

Concen: 3.883 ng

RT: 19.310 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

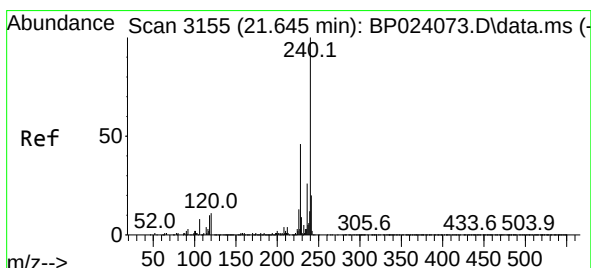
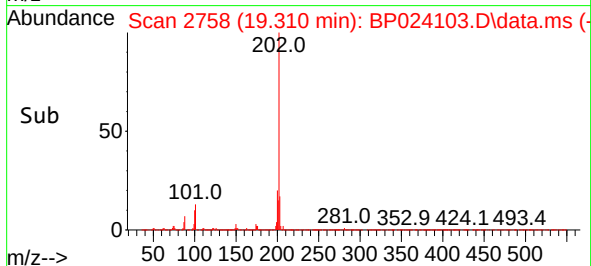
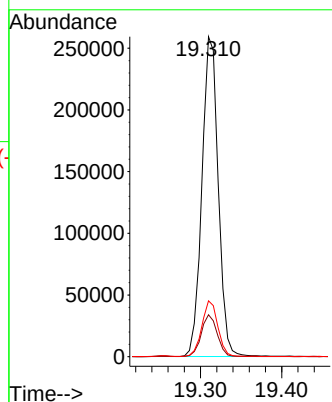
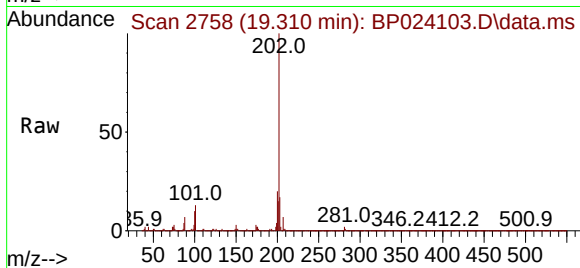
Tgt Ion:202 Resp: 361796

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.9

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 3154

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

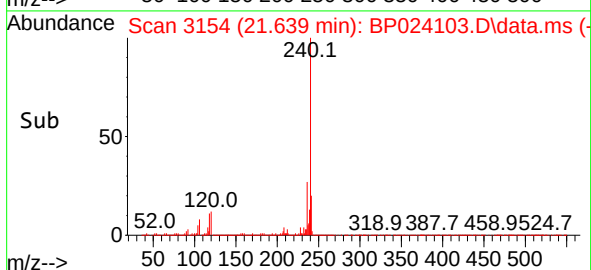
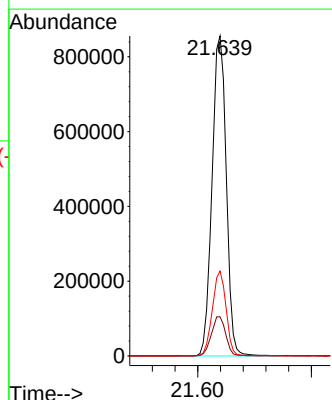
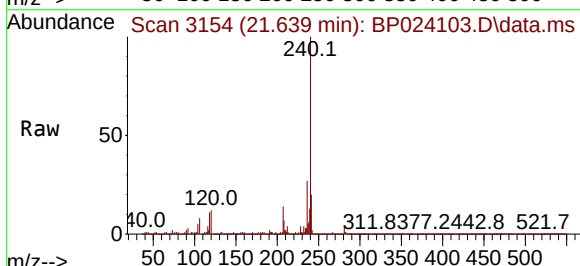
Tgt Ion:240 Resp: 1479764

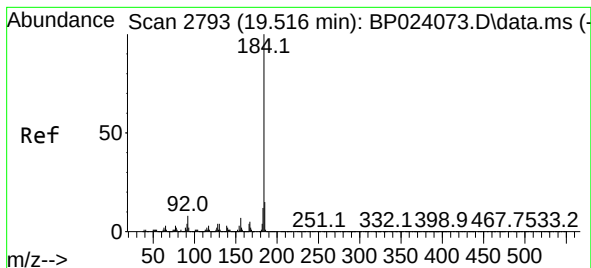
Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

236 26.6 20.7 31.1





#77

Benzidine

Concen: 4.711 ng

RT: 19.504 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

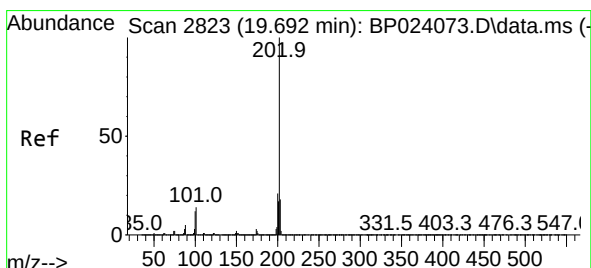
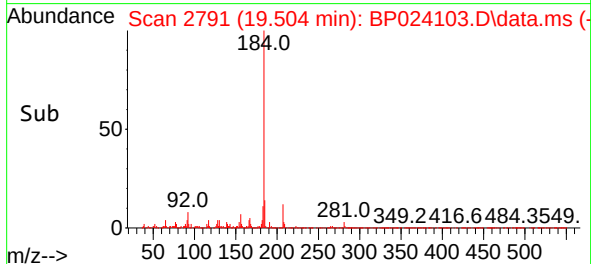
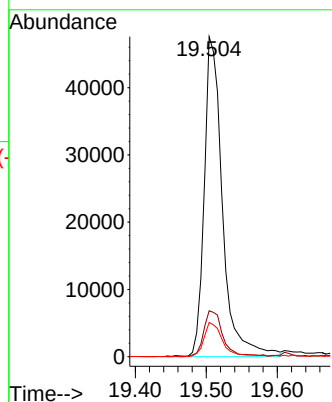
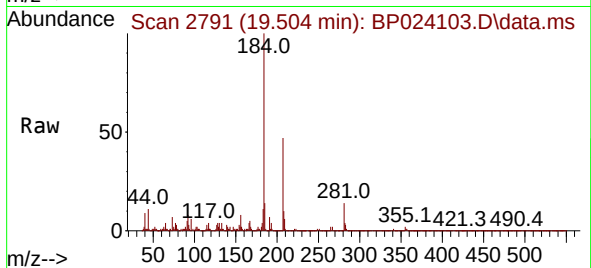
Tgt Ion:184 Resp: 84946

Ion Ratio Lower Upper

184 100

185 14.3 11.8 17.8

183 10.7 9.3 13.9



#78

Pyrene

Concen: 4.226 ng

RT: 19.686 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

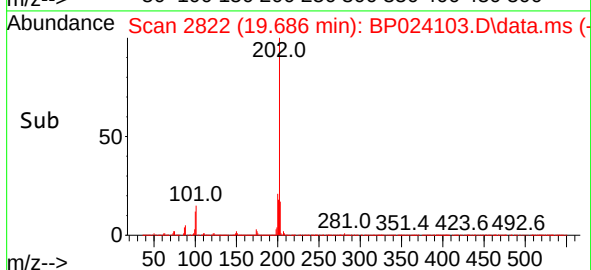
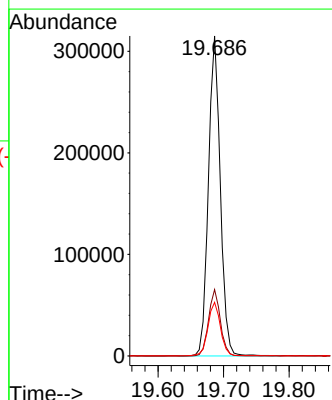
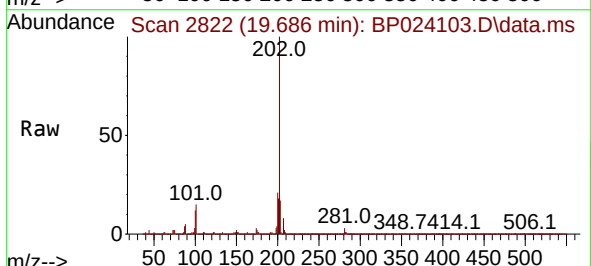
Tgt Ion:202 Resp: 397241

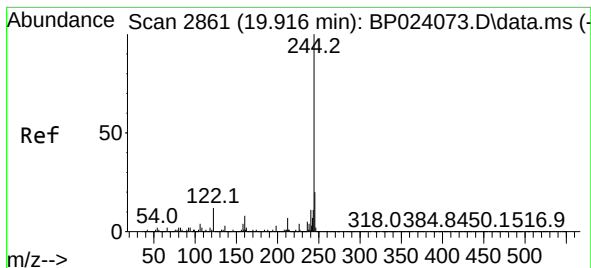
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 16.7 14.4 21.6





#79

Terphenyl-d14

Concen: 91.210 ng

RT: 19.910 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

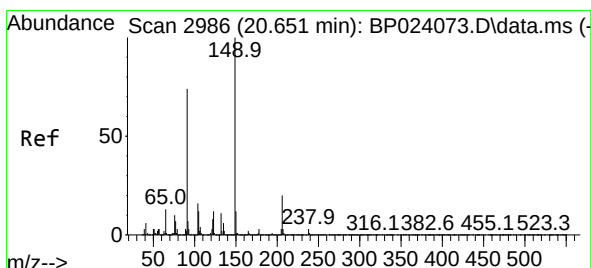
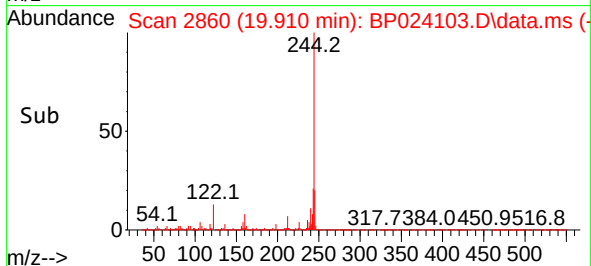
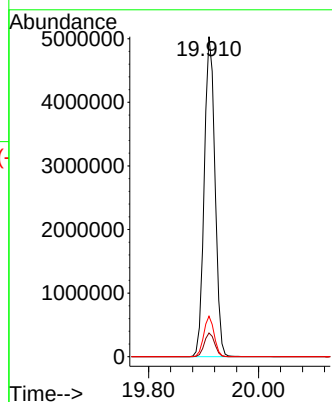
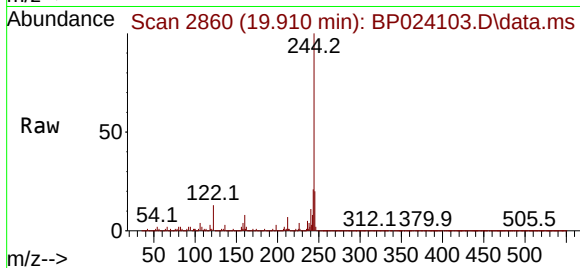
Tgt Ion:244 Resp: 6820972

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 12.7 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.086 ng

RT: 20.651 min Scan# 2986

Delta R.T. -0.000 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

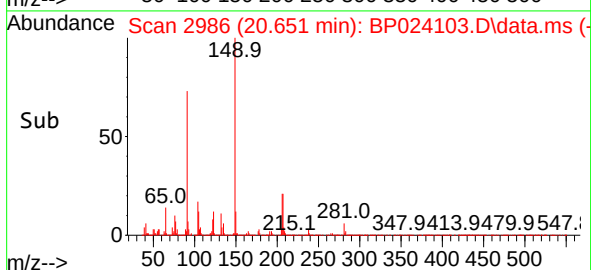
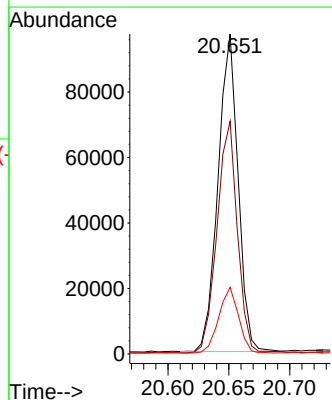
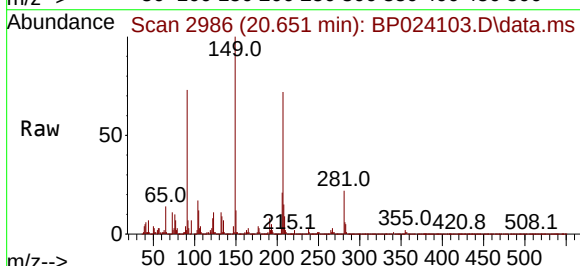
Tgt Ion:149 Resp: 111166

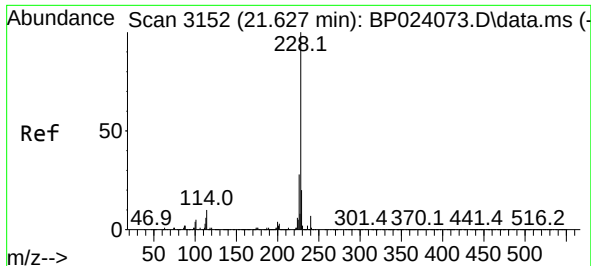
Ion Ratio Lower Upper

149 100

91 72.7 59.4 89.0

206 20.9 16.2 24.2

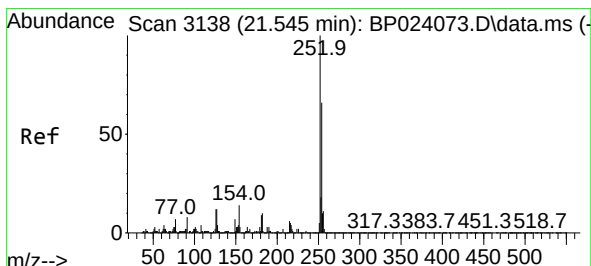
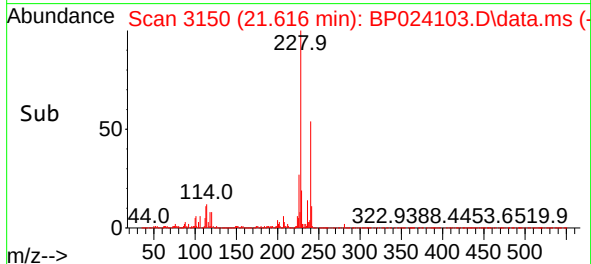
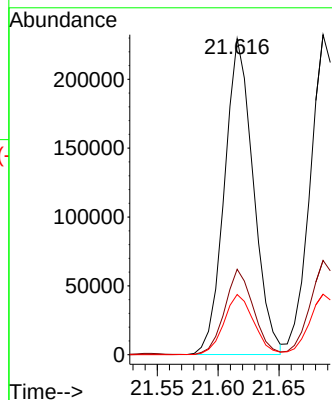
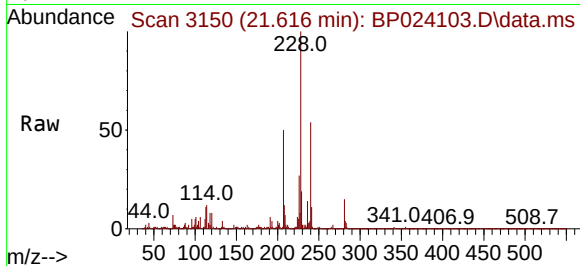




#81
Benzo(a)anthracene
Concen: 4.080 ng
RT: 21.616 min Scan# 3152
Delta R.T. -0.012 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

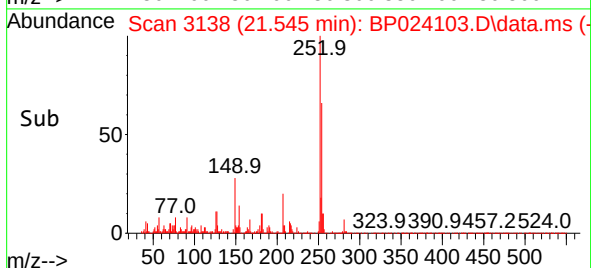
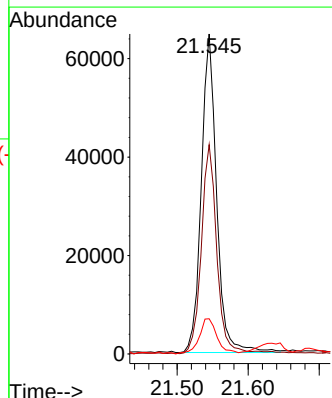
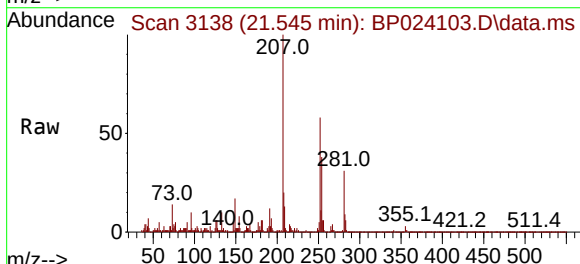
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

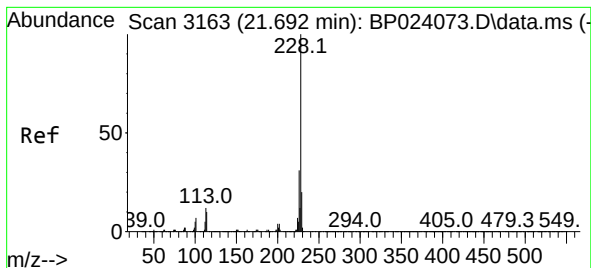
Tgt Ion:228 Resp: 378607
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.4
229 19.0 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 3.366 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:252 Resp: 97594
Ion Ratio Lower Upper
252 100
254 65.4 52.4 78.6
126 11.0 9.6 14.4





#83

Chrysene

Concen: 4.289 ng

RT: 21.686 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

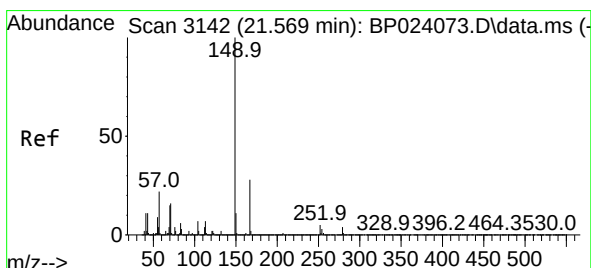
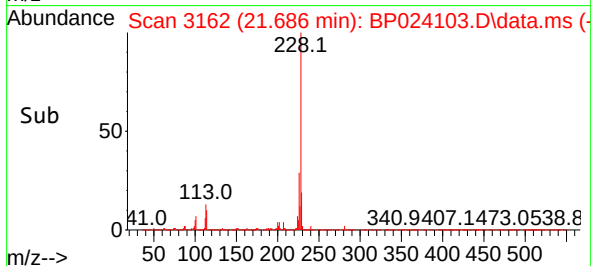
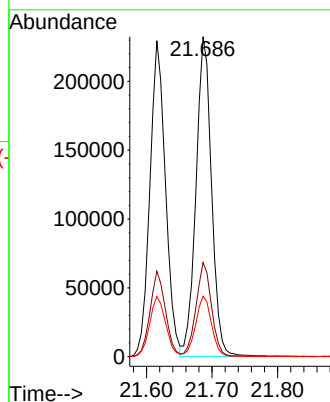
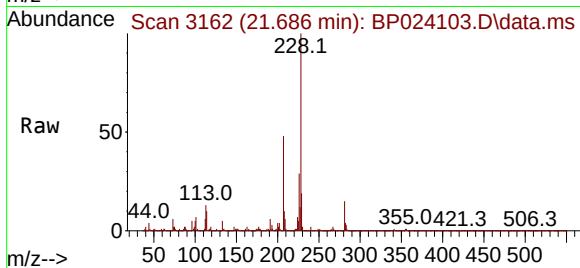
Tgt Ion:228 Resp: 383772

Ion Ratio Lower Upper

228 100

226 29.5 24.5 36.7

229 18.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.015 ng

RT: 21.563 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

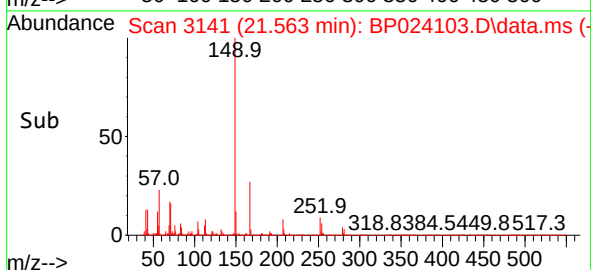
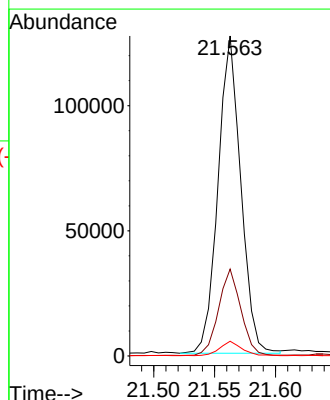
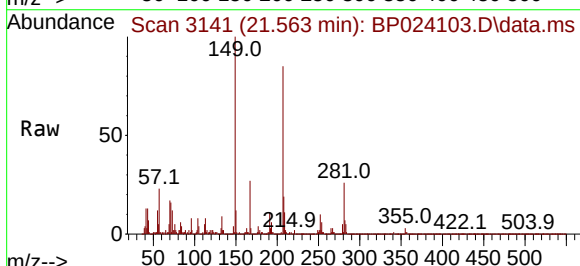
Tgt Ion:149 Resp: 164692

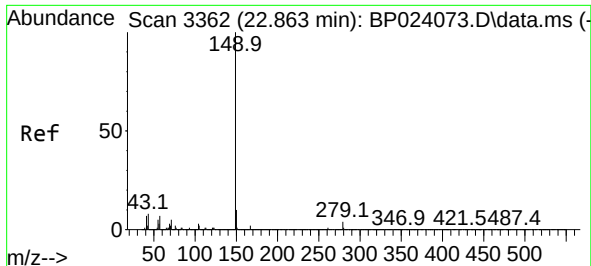
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 4.6 3.6 5.4

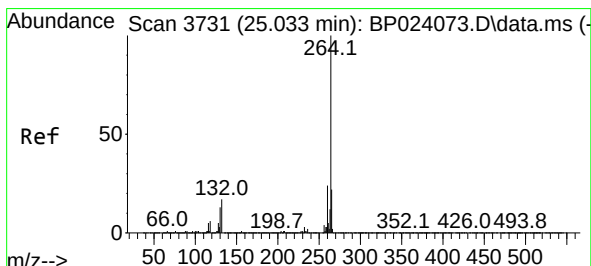
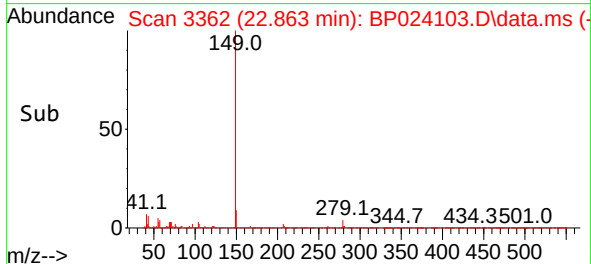
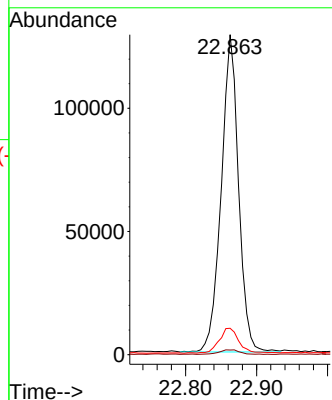
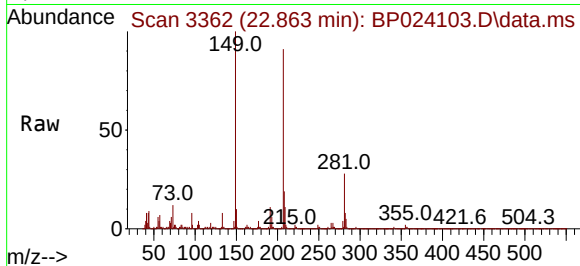




#85
Di-n-octyl phthalate
Concen: 2.489 ng
RT: 22.863 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

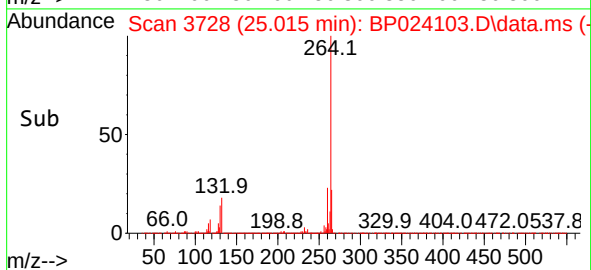
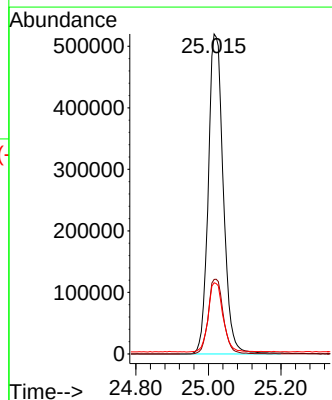
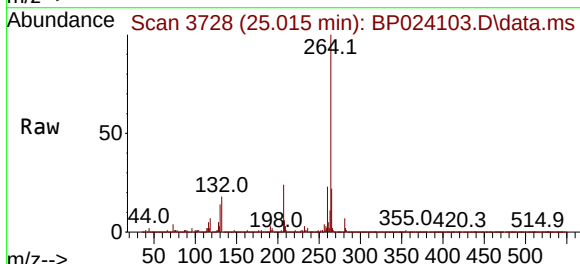
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

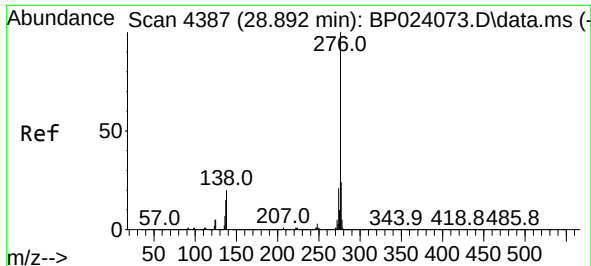
Tgt Ion:149 Resp: 217314
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.2 6.4 9.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.015 min Scan# 3728
Delta R.T. -0.018 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:264 Resp: 1489236
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 22.3 17.8 26.8

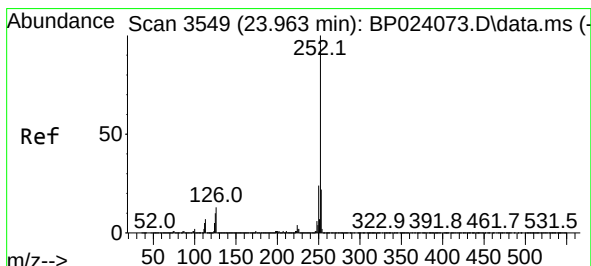
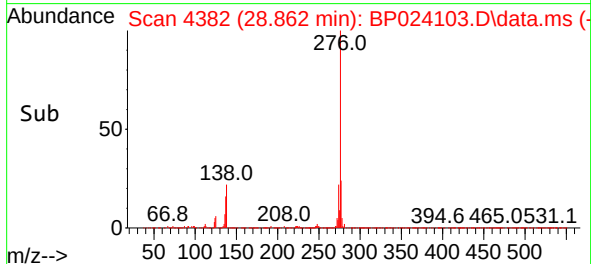
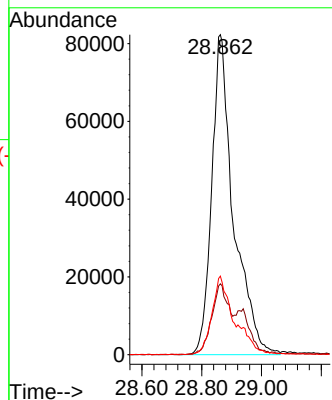
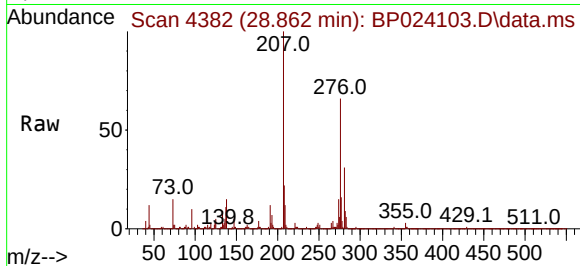




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.933 ng
 RT: 28.862 min Scan# 41
 Delta R.T. -0.029 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

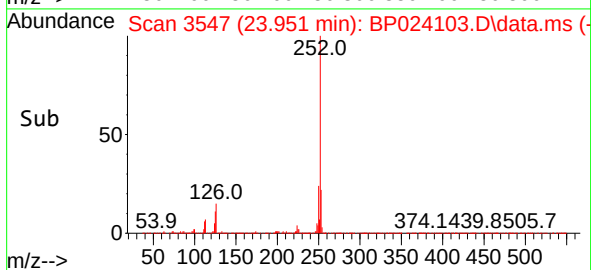
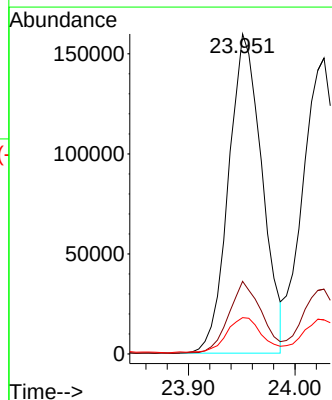
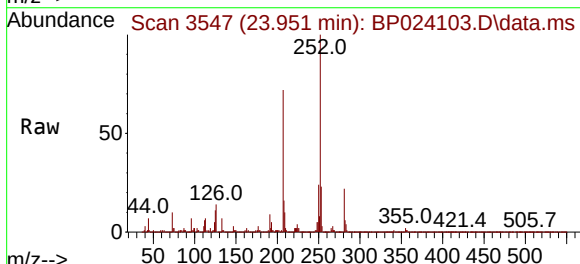
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

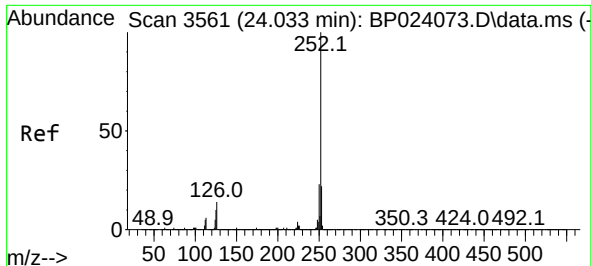
Tgt Ion:276 Resp: 416664
 Ion Ratio Lower Upper
 276 100
 138 17.4 14.2 21.4
 277 25.1 16.2 24.4#



#88
 Benzo(b)fluoranthene
 Concen: 3.693 ng
 RT: 23.951 min Scan# 3547
 Delta R.T. -0.012 min
 Lab File: BP024103.D
 Acq: 20 Feb 2025 11:03

Tgt Ion:252 Resp: 349272
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.6
 125 11.4 8.4 12.6

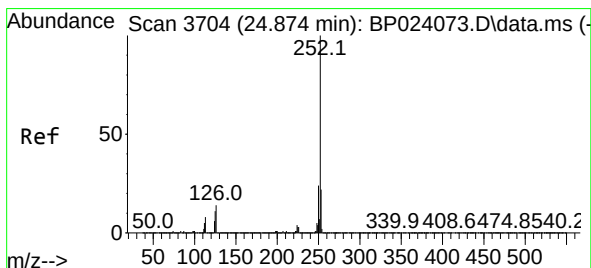
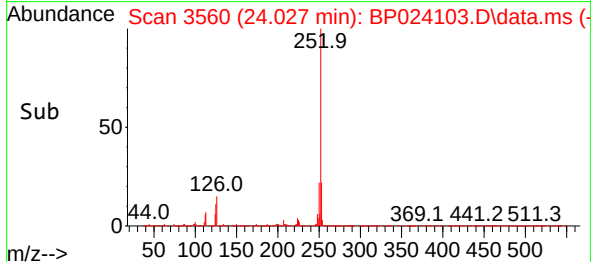
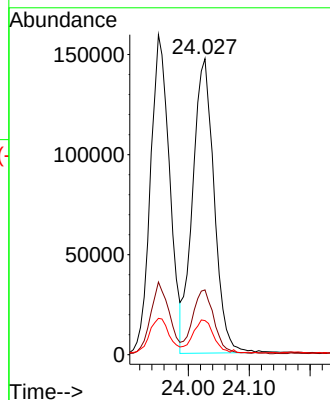
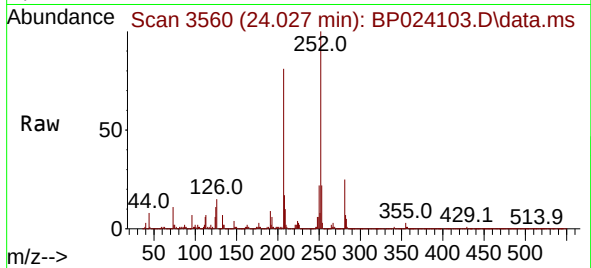




#89
Benzo(k)fluoranthene
Concen: 3.914 ng
RT: 24.027 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

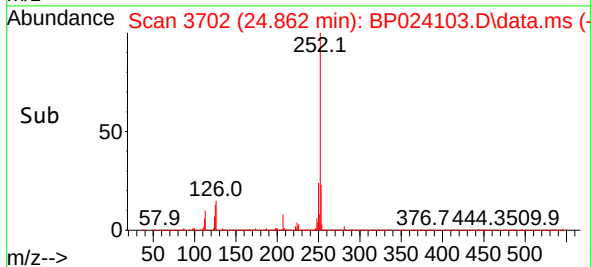
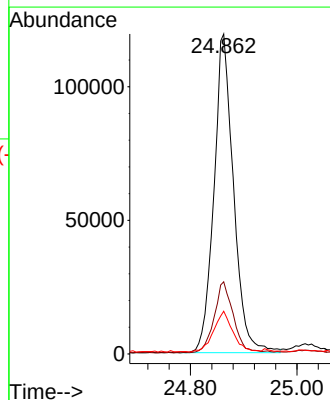
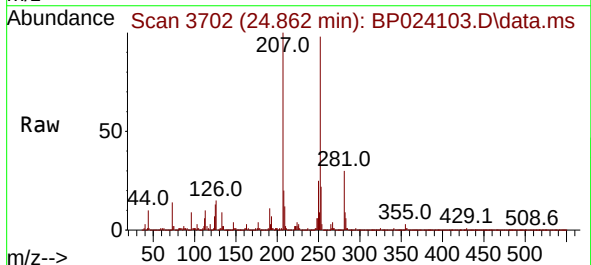
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

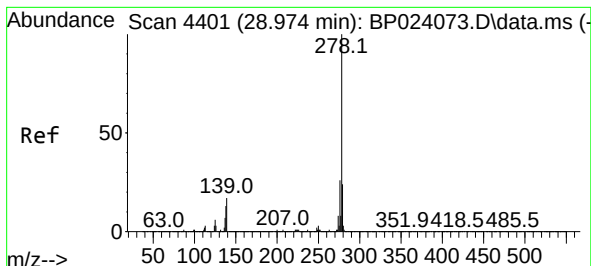
Tgt Ion:252 Resp: 360320
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 11.5 8.1 12.1



#90
Benzo(a)pyrene
Concen: 3.808 ng
RT: 24.862 min Scan# 3702
Delta R.T. -0.012 min
Lab File: BP024103.D
Acq: 20 Feb 2025 11:03

Tgt Ion:252 Resp: 305636
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 13.4 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 3.891 ng

RT: 28.939 min Scan# 41

Delta R.T. -0.035 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

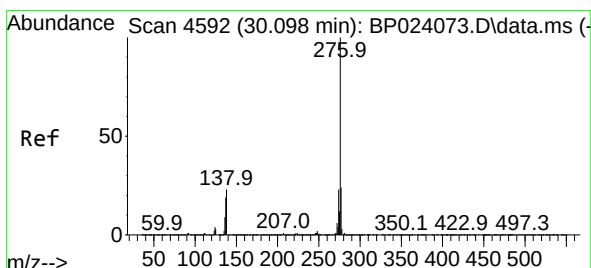
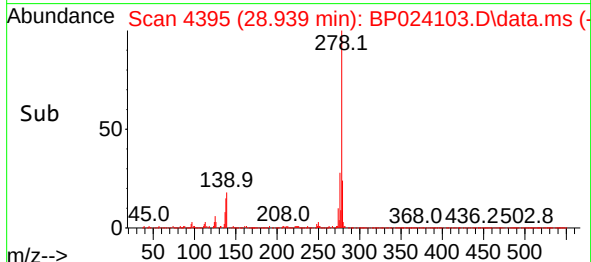
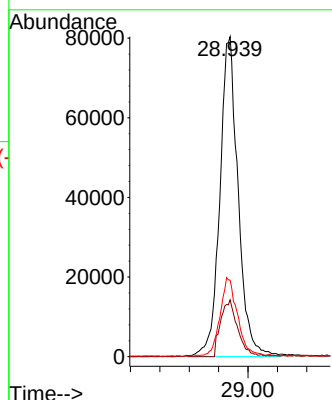
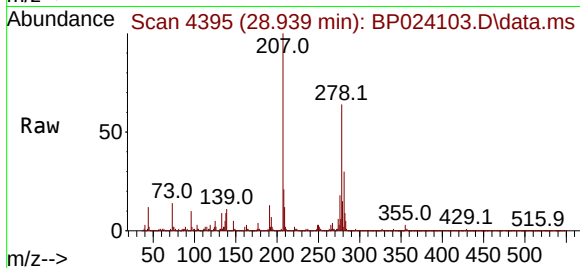
Tgt Ion:278 Resp: 346589

Ion Ratio Lower Upper

278 100

139 17.8 13.4 20.0

279 24.0 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 3.593 ng

RT: 30.039 min Scan# 4582

Delta R.T. -0.059 min

Lab File: BP024103.D

Acq: 20 Feb 2025 11:03

Tgt Ion:276 Resp: 324789

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 23.5 18.1 27.1

