

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022025\
 Data File : BP024104.D
 Acq On : 20 Feb 2025 11:44
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 20 12:12:21 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	7.758	152	368038	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1632078	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	1005693	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1774034	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1570745	20.000	ng	0.00
86) Perylene-d12	25.033	264	1477124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2544836	107.893	ng	0.00
7) Phenol-d6	6.940	99	3552022	117.169	ng	0.00
23) Nitrobenzene-d5	8.905	82	2721878	93.041	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1321078	107.242	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	6345849	88.213	ng	0.00
79) Terphenyl-d14	19.916	244	7366829	92.804	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.311	88	91715	9.912	ng	99
3) Pyridine	3.711	79	223628	9.296	ng	100
4) n-Nitrosodimethylamine	3.617	42	82443	9.662	ng	# 94
6) Aniline	7.093	93	350551	12.627	ng	99
8) 2-Chlorophenol	7.328	128	250806	10.046	ng	97
9) Benzaldehyde	6.905	77	224429m	16.215	ng	
10) Phenol	6.963	94	315811	10.360	ng	97
11) bis(2-Chloroethyl)ether	7.187	93	262240	10.922	ng	98
12) 1,3-Dichlorobenzene	7.646	146	275744	10.054	ng	98
13) 1,4-Dichlorobenzene	7.793	146	282529	10.186	ng	99
14) 1,2-Dichlorobenzene	8.111	146	275632	10.355	ng	99
15) Benzyl Alcohol	7.999	79	201887	10.880	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	286346m	12.285	ng	
17) 2-Methylphenol	8.199	107	189622	10.207	ng	99
18) Hexachloroethane	8.828	117	101990	10.210	ng	95
19) n-Nitroso-di-n-propyla...	8.552	70	193935	11.898	ng	98
20) 3+4-Methylphenols	8.522	107	264101	10.450	ng	99
22) Acetophenone	8.569	105	423349	10.094	ng	100
24) Nitrobenzene	8.946	77	298470	10.367	ng	97
25) Isophorone	9.469	82	500999	10.472	ng	98
26) 2-Nitrophenol	9.652	139	109817	8.279	ng	98
27) 2,4-Dimethylphenol	9.716	122	146558	8.417	ng	98
28) bis(2-Chloroethoxy)met...	9.946	93	352017	10.157	ng	99
29) 2,4-Dichlorophenol	10.187	162	208787	8.787	ng	98
30) 1,2,4-Trichlorobenzene	10.399	180	249425	9.162	ng	99
31) Naphthalene	10.581	128	848876	9.673	ng	99
32) Benzoic acid	9.805	122	99945	12.105	ng	100
33) 4-Chloroaniline	10.693	127	321101	10.386	ng	99
34) Hexachlorobutadiene	10.869	225	147121	9.330	ng	99
35) Caprolactam	11.469	113	59116	12.102	ng	96
36) 4-Chloro-3-methylphenol	11.822	107	224340	9.184	ng	98
37) 2-Methylnaphthalene	12.193	142	583837	10.010	ng	100
38) 1-Methylnaphthalene	12.416	142	540297	9.522	ng	99
40) 1,2,4,5-Tetrachloroben...	12.563	216	285284	9.232	ng	100
41) Hexachlorocyclopentadiene	12.546	237	93408	8.124	ng	97
43) 2,4,6-Trichlorophenol	12.810	196	156732	8.317	ng	98

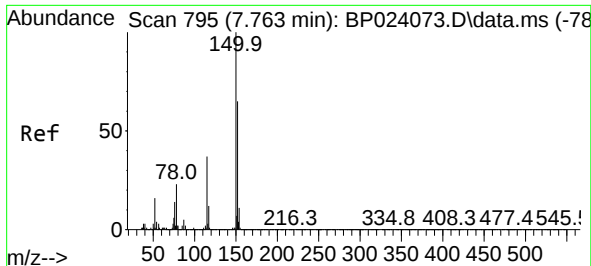
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 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	177173	8.597	ng	98
46) 1,1'-Biphenyl	13.210	154	769032	9.841	ng	99
47) 2-Chloronaphthalene	13.251	162	562373	9.519	ng	99
48) 2-Nitroaniline	13.457	65	125461	8.990	ng	99
49) Acenaphthylene	14.104	152	848513	9.749	ng	100
50) Dimethylphthalate	13.840	163	653112	9.207	ng	100
51) 2,6-Dinitrotoluene	13.951	165	130945	9.061	ng	97
52) Acenaphthene	14.451	154	542921	9.686	ng	99
53) 3-Nitroaniline	14.293	138	134265	8.707	ng	97
54) 2,4-Dinitrophenol	14.498	184	45934	12.132	ng	99
55) Dibenzofuran	14.787	168	842768	9.256	ng	99
56) 4-Nitrophenol	14.616	139	95825	7.194	ng	95
57) 2,4-Dinitrotoluene	14.751	165	160248	8.537	ng	95
58) Fluorene	15.451	166	652793	9.180	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.028	232	148870	8.326	ng	99
60) Diethylphthalate	15.222	149	629202	8.935	ng	98
61) 4-Chlorophenyl-phenyle...	15.445	204	314561	8.987	ng	100
62) 4-Nitroaniline	15.469	138	130672	9.955	ng	97
63) Azobenzene	15.745	77	617981	9.365	ng	97
65) 4,6-Dinitro-2-methylph...	15.534	198	69676	11.358	ng	97
66) n-Nitrosodiphenylamine	15.663	169	533420	9.642	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	186076	9.340	ng	99
68) Hexachlorobenzene	16.475	284	222207	9.479	ng	99
69) Atrazine	16.639	200	160397	11.298	ng	98
70) Pentachlorophenol	16.834	266	104486	6.863	ng	97
71) Phenanthrene	17.234	178	980269	9.801	ng	100
72) Anthracene	17.328	178	903850	9.430	ng	98
73) Carbazole	17.604	167	824890	9.033	ng	100
74) Di-n-butylphthalate	18.204	149	884923	8.305	ng	100
75) Fluoranthene	19.322	202	987582	8.730	ng	99
77) Benzidine	19.516	184	266818	13.940	ng	99
78) Pyrene	19.692	202	1050053	10.524	ng	98
80) Butylbenzylphthalate	20.651	149	323164	8.453	ng	98
81) Benzo(a)anthracene	21.622	228	949680	9.642	ng	99
82) 3,3'-Dichlorobenzidine	21.545	252	274313	8.913	ng	100
83) Chrysene	21.692	228	912451	9.607	ng	99
84) Bis(2-ethylhexyl)phtha...	21.563	149	475243	8.197	ng	98
85) Di-n-octyl phthalate	22.857	149	648040	6.993	ng	99
87) Indeno(1,2,3-cd)pyrene	28.851	276	1034989	9.849	ng	98
88) Benzo(b)fluoranthene	23.945	252	851402	9.077	ng	99
89) Benzo(k)fluoranthene	24.010	252	890408	9.752	ng	99
90) Benzo(a)pyrene	24.863	252	775717	9.745	ng	98
91) Dibenzo(a,h)anthracene	28.951	278	868532	9.830	ng	99
92) Benzo(g,h,i)perylene	30.045	276	795562	8.873	ng	99

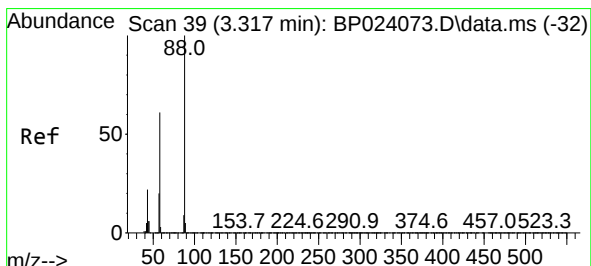
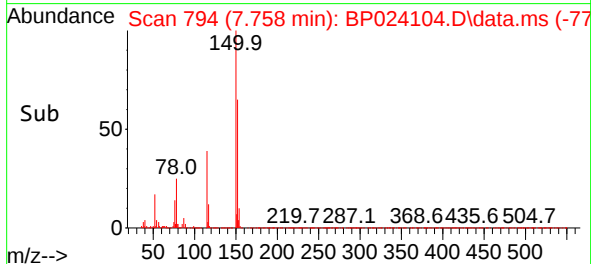
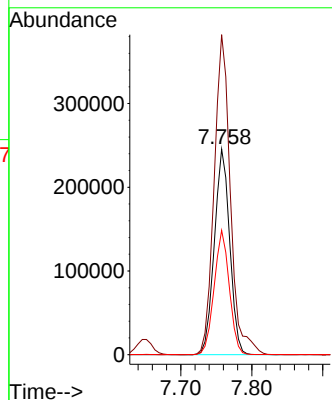
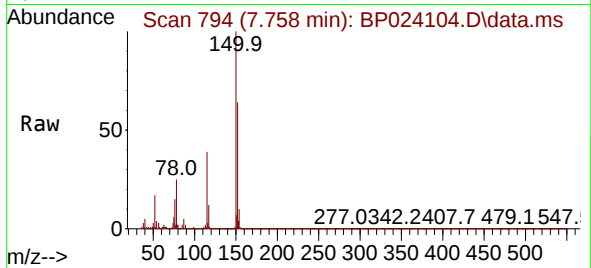
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024104.D
 Acq: 20 Feb 2025 11:44

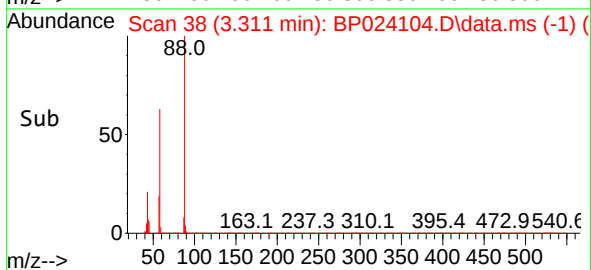
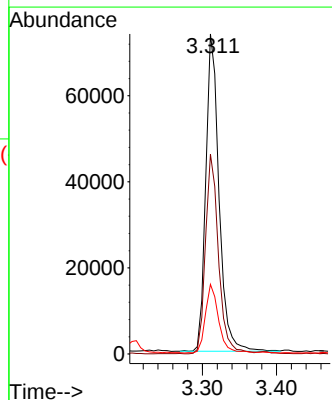
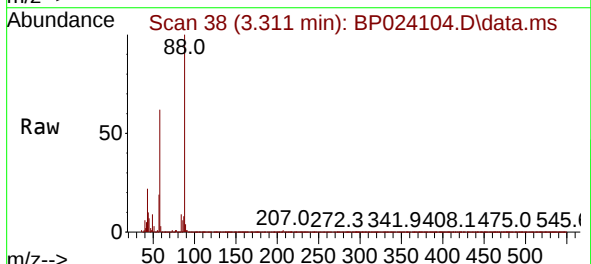
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

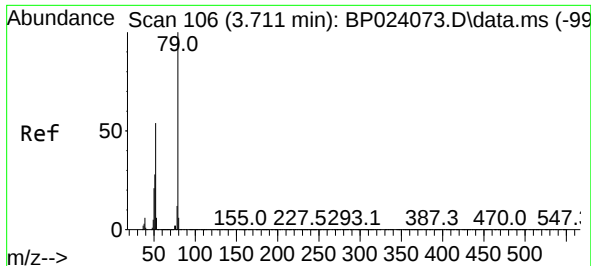
Tgt Ion:152 Resp: 368038
 Ion Ratio Lower Upper
 152 100
 150 155.6 122.4 183.6
 115 60.4 45.0 67.6



#2
 1,4-Dioxane
 Concen: 9.912 ng
 RT: 3.311 min Scan# 38
 Delta R.T. -0.006 min
 Lab File: BP024104.D
 Acq: 20 Feb 2025 11:44

Tgt Ion: 88 Resp: 91715
 Ion Ratio Lower Upper
 88 100
 58 62.0 49.1 73.7
 43 21.9 18.0 27.0

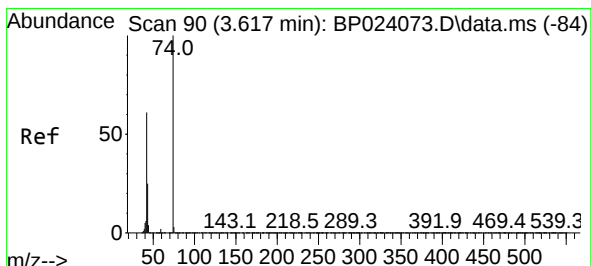
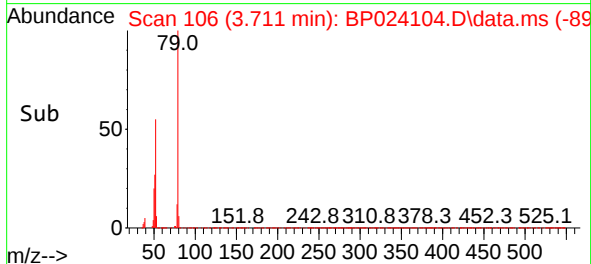
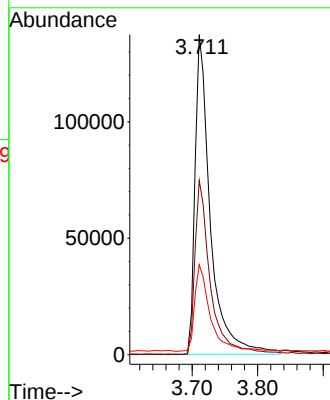
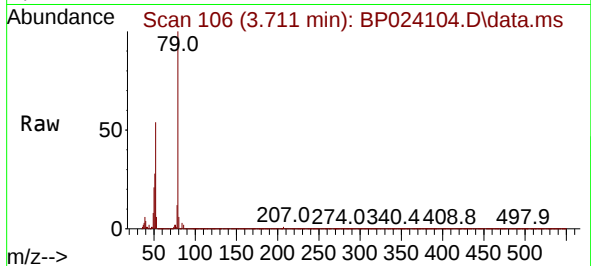




#3
Pyridine
Concen: 9.296 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

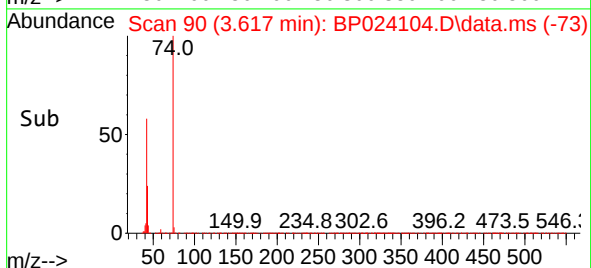
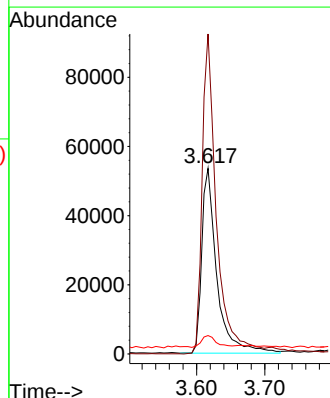
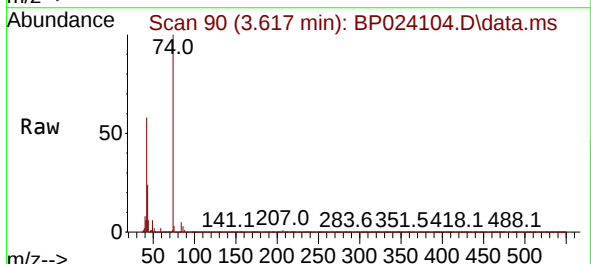
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

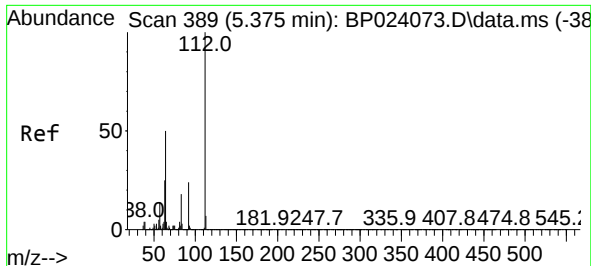
Tgt Ion: 79 Resp: 223628
Ion Ratio Lower Upper
79 100
52 54.5 43.5 65.3
51 28.2 22.2 33.4



#4
n-Nitrosodimethylamine
Concen: 9.662 ng
RT: 3.617 min Scan# 90
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 42 Resp: 82443
Ion Ratio Lower Upper
42 100
74 172.4 132.0 198.0
44 10.0 5.3 7.9

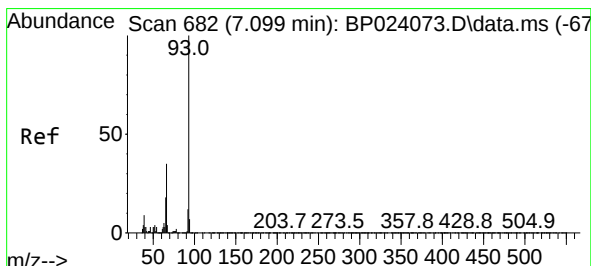
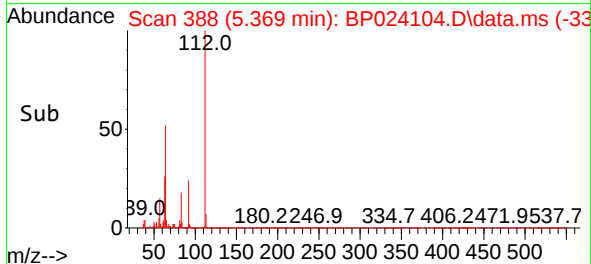
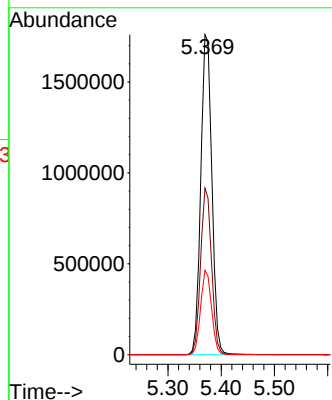
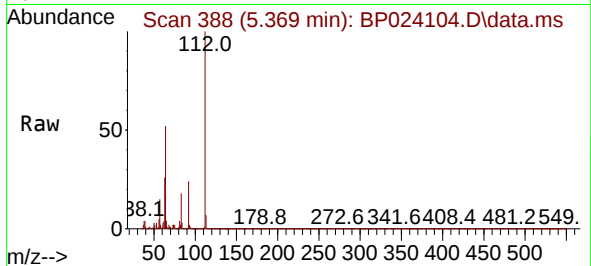




#5
2-Fluorophenol
Concen: 107.893 ng
RT: 5.369 min Scan# 389
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

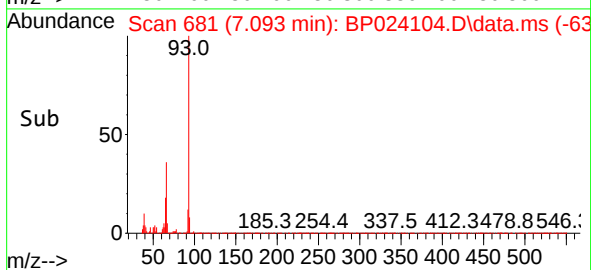
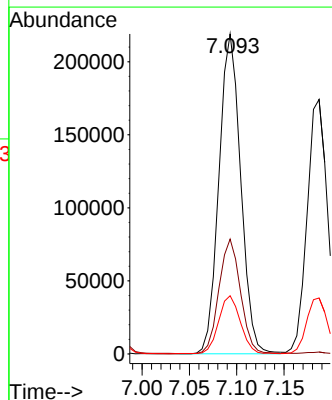
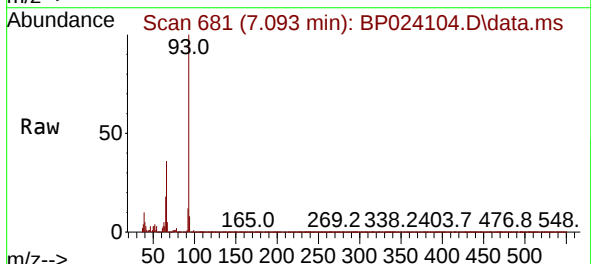
Instrument :
BNA_P
ClientSampleId :
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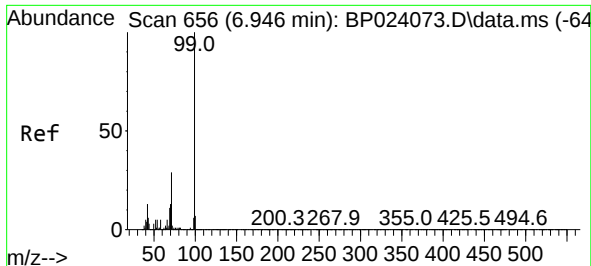
Tgt Ion:112 Resp: 2544836
Ion Ratio Lower Upper
112 100
64 52.0 39.6 59.4
63 26.3 20.3 30.5



#6
Aniline
Concen: 12.627 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 93 Resp: 350551
Ion Ratio Lower Upper
93 100
66 35.9 28.2 42.4
65 18.2 14.1 21.1





#7

Phenol-d6

Concen: 117.169 ng

RT: 6.940 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

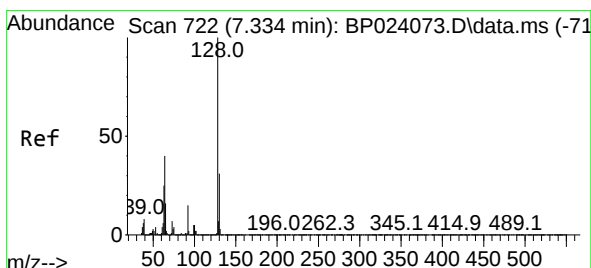
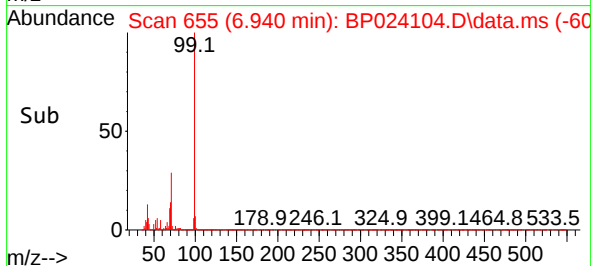
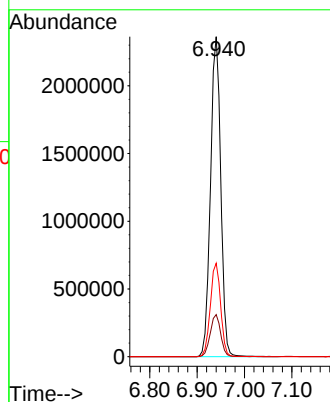
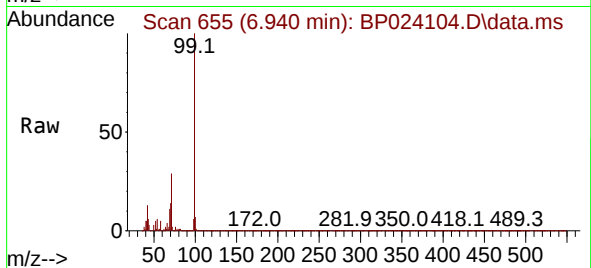
BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 99 Resp: 3552022

Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.3	15.5
71	29.2	22.9	34.3



#8

2-Chlorophenol

Concen: 10.046 ng

RT: 7.328 min Scan# 721

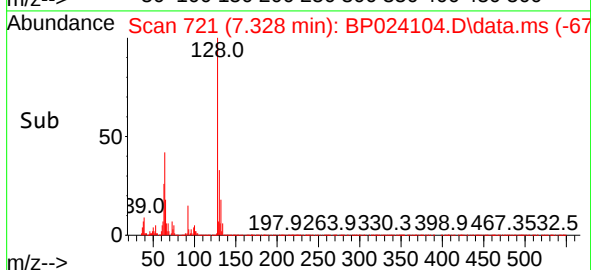
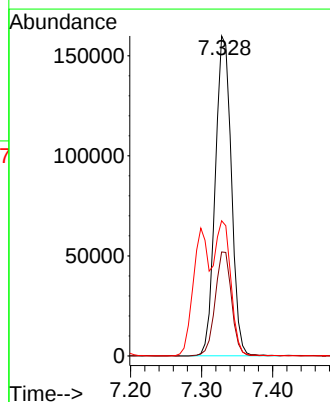
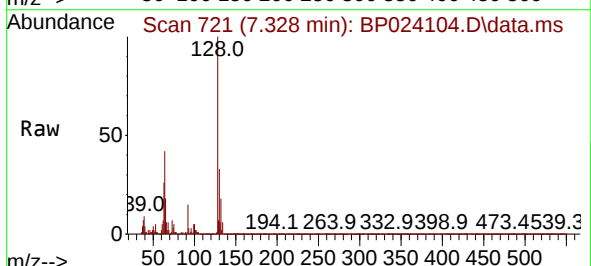
Delta R.T. -0.006 min

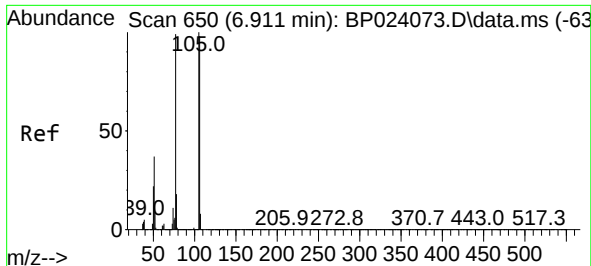
Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Tgt Ion:128 Resp: 250806

Ion	Ratio	Lower	Upper
128	100		
130	32.5	11.5	51.5
64	42.2	19.8	59.8

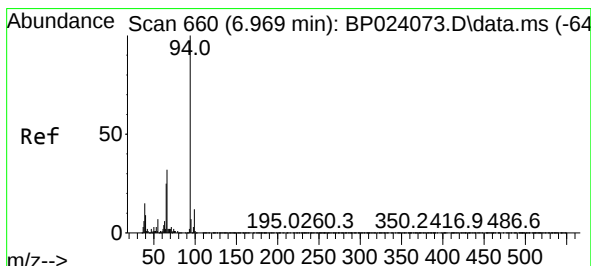
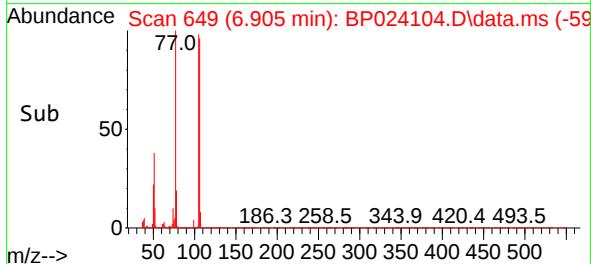
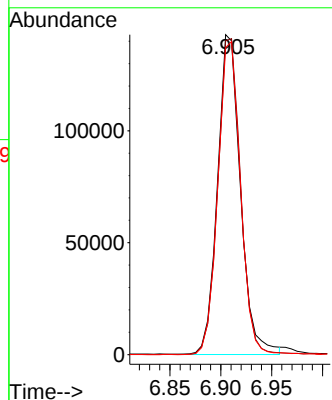
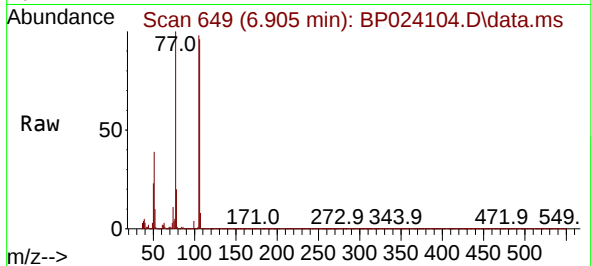




#9
Benzaldehyde
Concen: 16.215 ng m
RT: 6.905 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

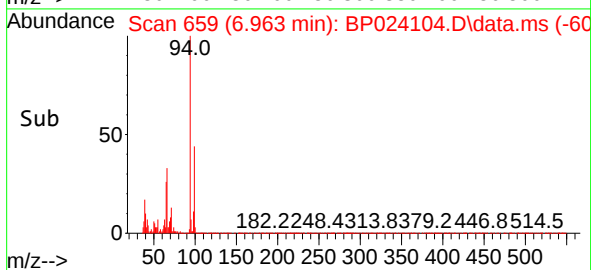
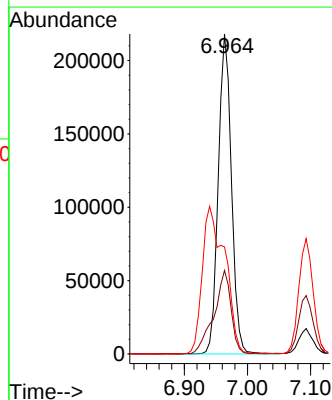
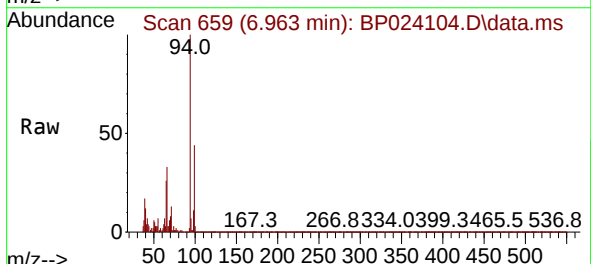
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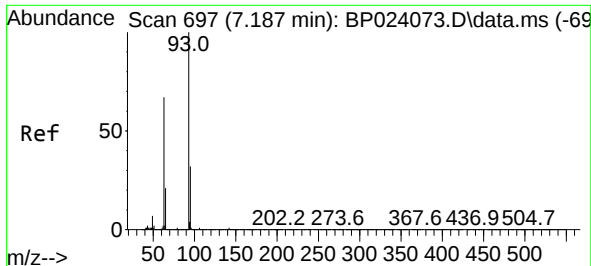
Tgt Ion: 77 Resp: 224429
Ion Ratio Lower Upper
77 100
105 98.1 81.4 121.4
106 96.0 79.0 119.0



#10
Phenol
Concen: 10.360 ng
RT: 6.963 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 94 Resp: 315811
Ion Ratio Lower Upper
94 100
65 26.1 5.0 45.0
66 33.5 11.6 51.6

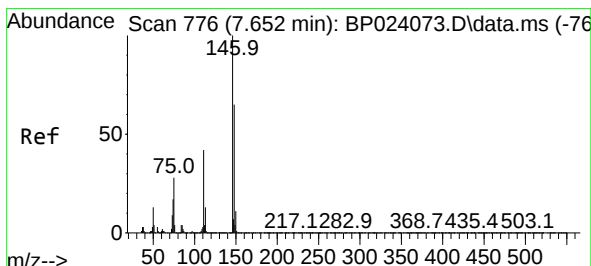
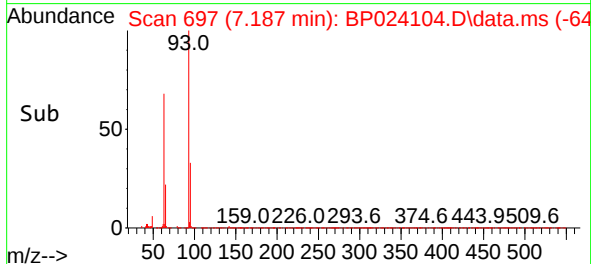
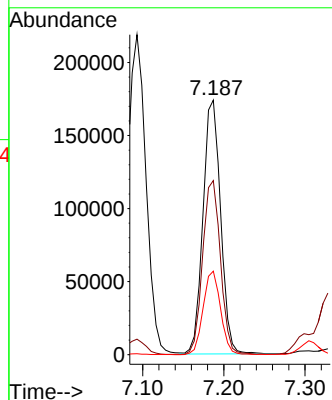
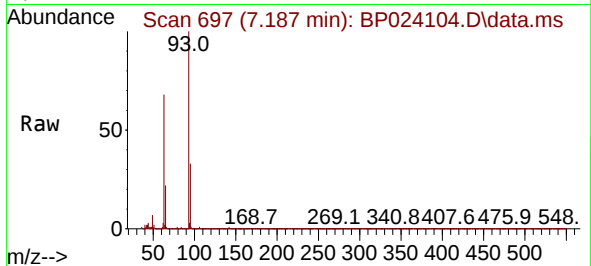




#11
bis(2-Chloroethyl)ether
Concen: 10.922 ng
RT: 7.187 min Scan# 697
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

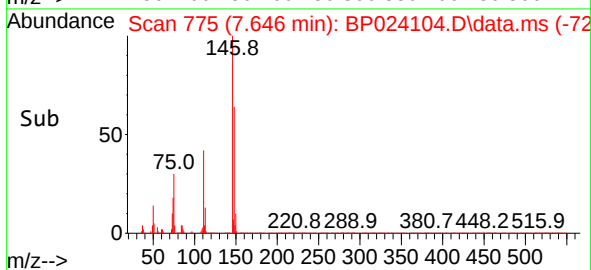
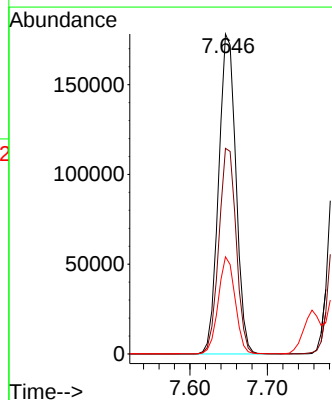
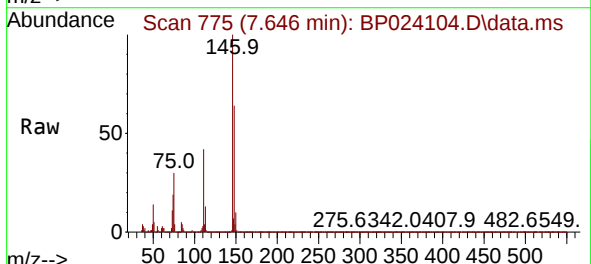
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

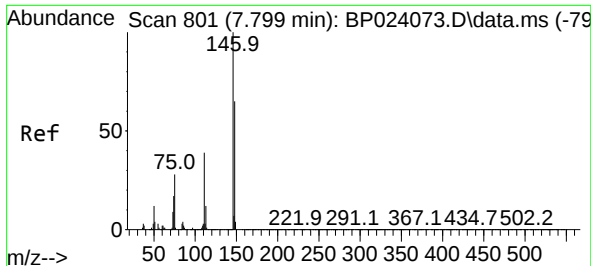
Tgt Ion:	93	Resp:	262240
Ion	Ratio	Lower	Upper
93	100		
63	68.3	46.5	86.5
95	32.8	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 10.054 ng
RT: 7.646 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:	146	Resp:	275744
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	30.4	22.6	33.8

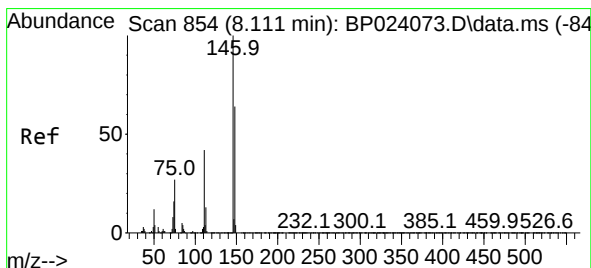
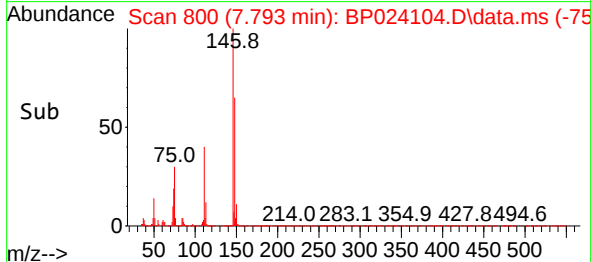
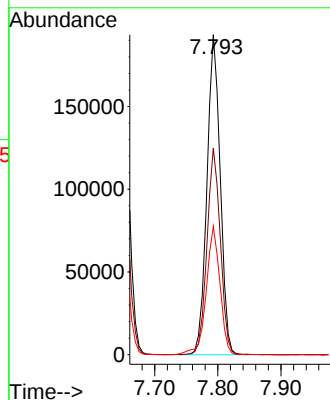
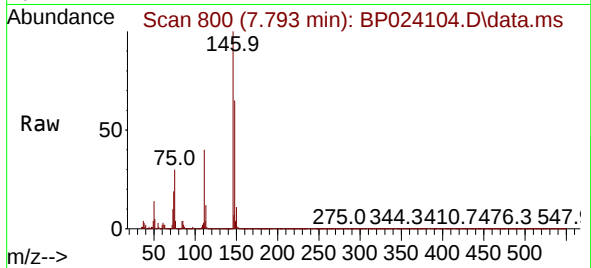




#13
1,4-Dichlorobenzene
Concen: 10.186 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

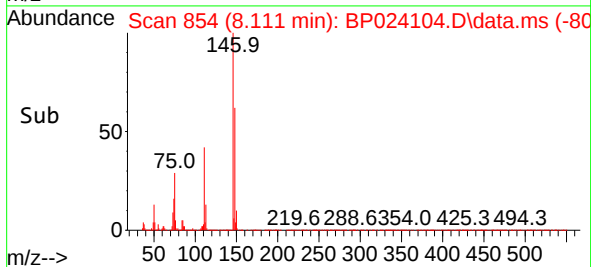
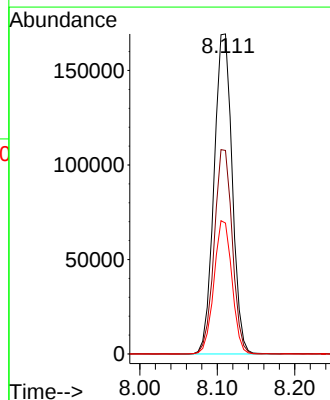
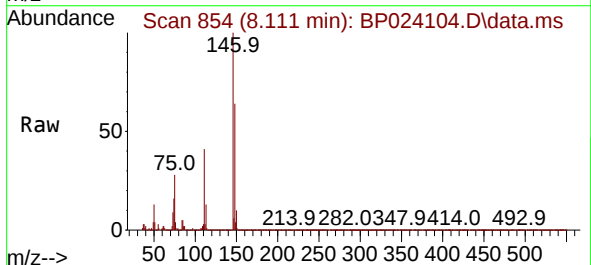
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

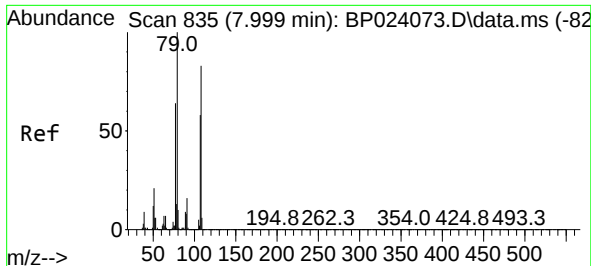
Tgt Ion:146 Resp: 282529
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
111 40.1 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 10.355 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:146 Resp: 275632
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
111 40.9 33.4 50.0

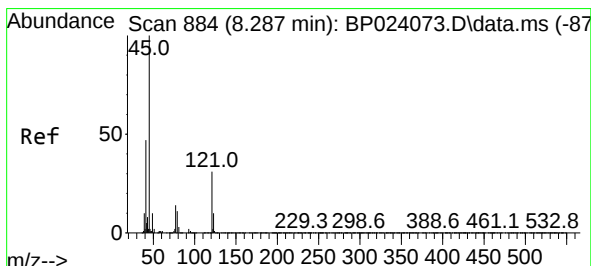
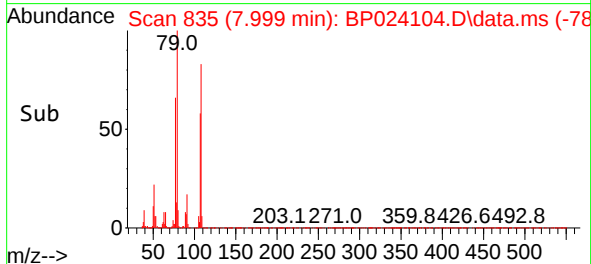
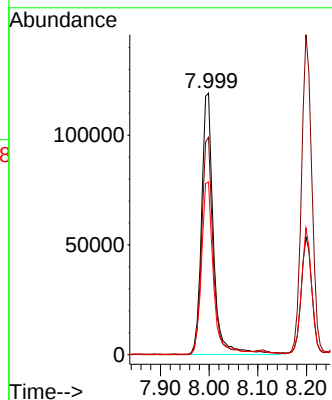
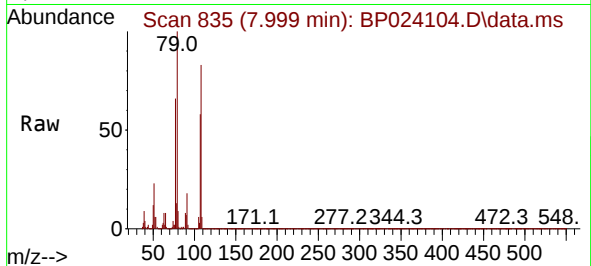




#15
Benzyl Alcohol
Concen: 10.880 ng
RT: 7.999 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

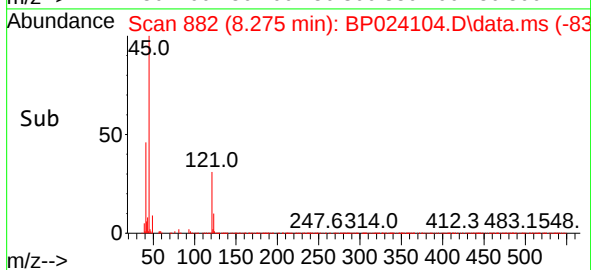
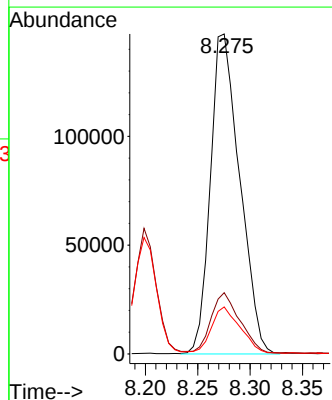
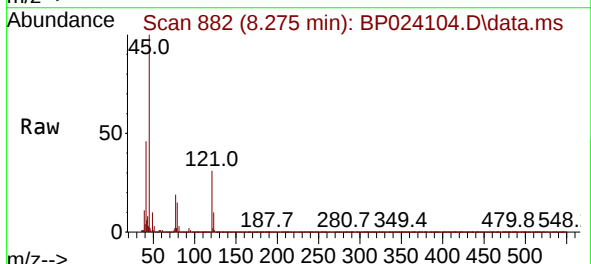
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

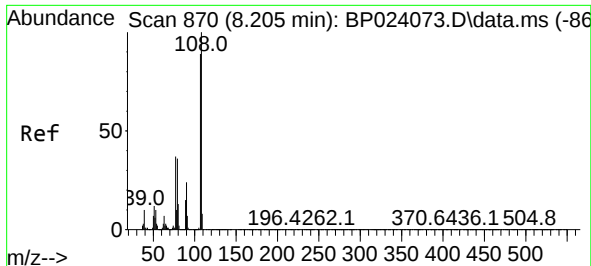
Tgt Ion: 79 Resp: 201887
Ion Ratio Lower Upper
79 100
108 83.1 66.4 99.6
77 66.0 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.285 ng m
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 45 Resp: 286346
Ion Ratio Lower Upper
45 100
77 19.2 0.0 38.8
79 14.7 0.0 35.4



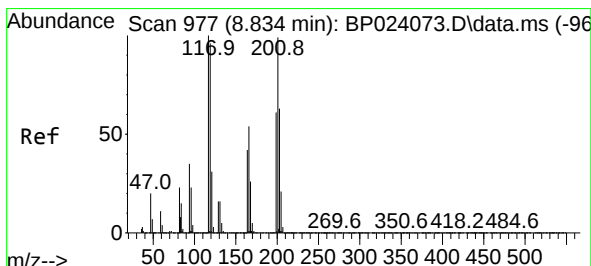
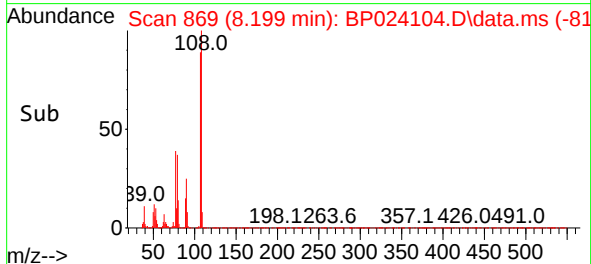
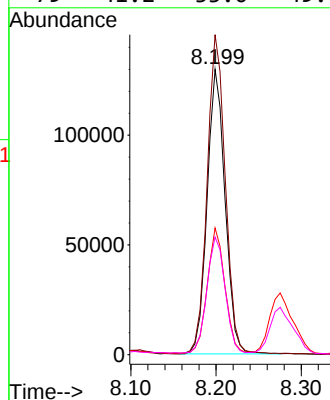
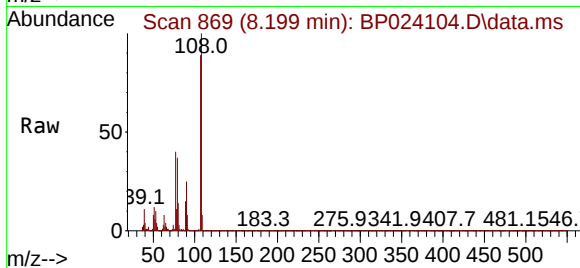


#17
2-Methylphenol
Concen: 10.207 ng
RT: 8.199 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

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

Tgt Ion:107 Resp: 189622

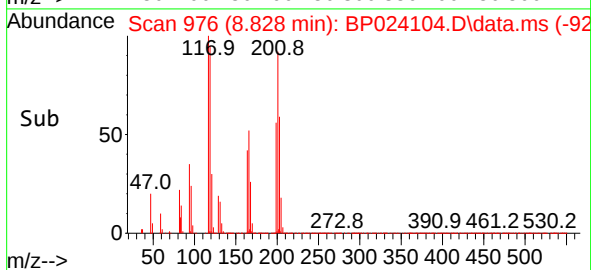
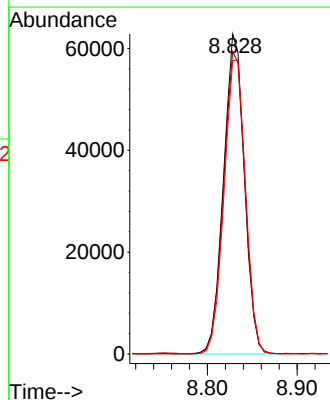
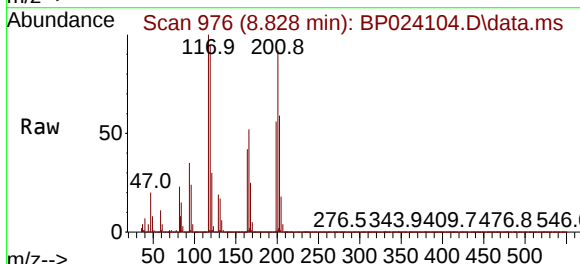
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.0	135.0
77	44.4	33.8	50.6
79	41.2	33.0	49.4

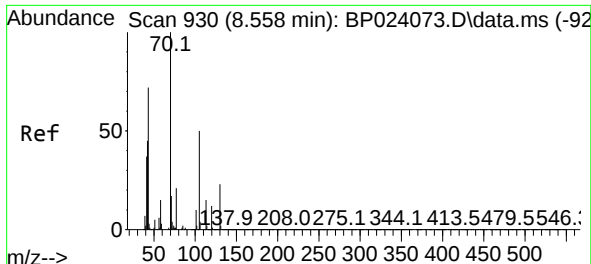


#18
Hexachloroethane
Concen: 10.210 ng
RT: 8.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:117 Resp: 101990

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
201	91.7	79.4	119.2

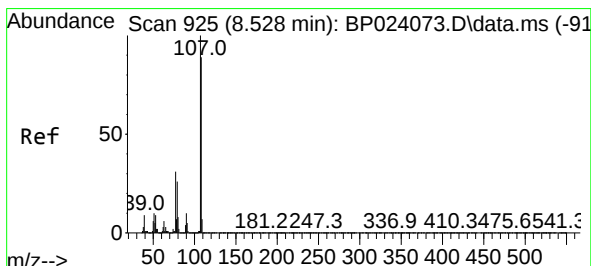
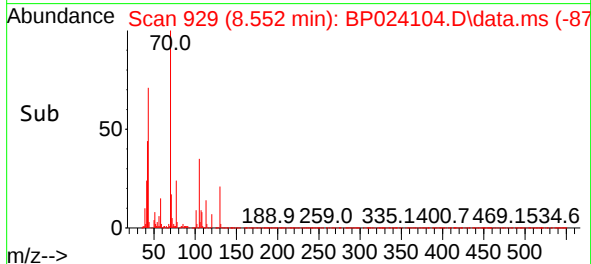
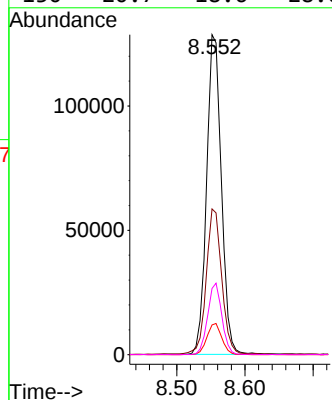
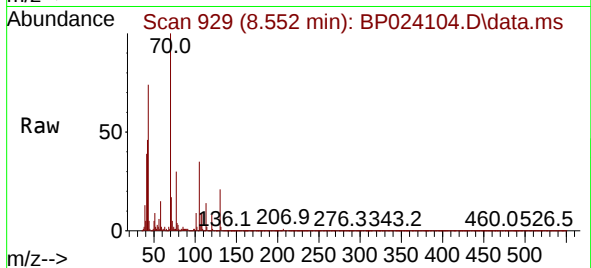




#19
n-Nitroso-di-n-propylamine
Concen: 11.898 ng
RT: 8.552 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

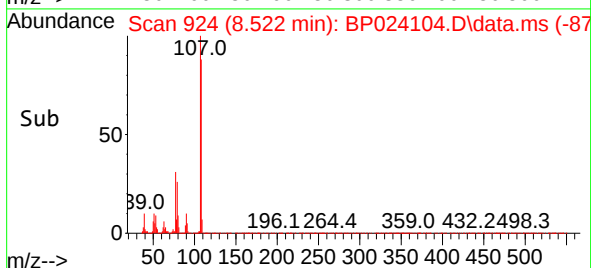
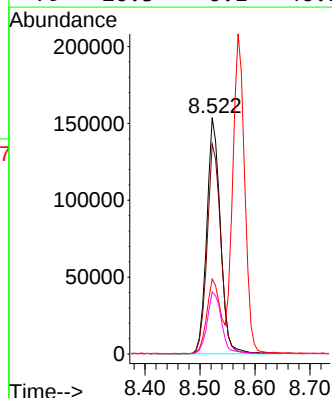
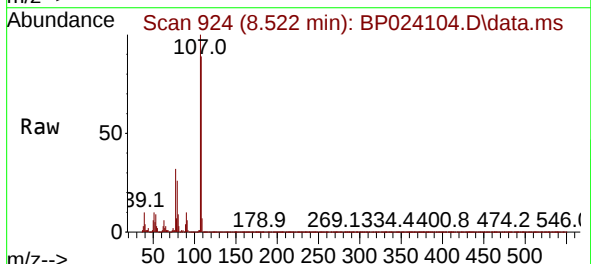
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

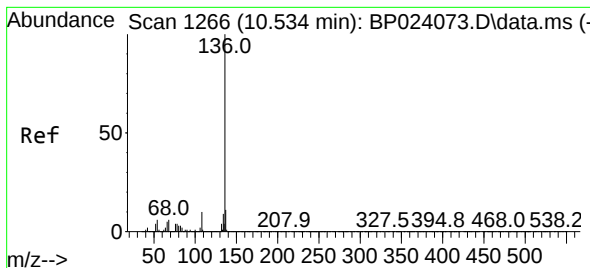
Tgt Ion:	70	Resp:	193935
Ion	Ratio	Lower	Upper
70	100		
42	45.6	36.6	54.8
101	9.3	8.2	12.2
130	20.7	18.6	28.0



#20
3+4-Methylphenols
Concen: 10.450 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:	107	Resp:	264101
Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	31.7	10.7	50.7
79	26.3	6.1	46.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.534 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:136 Resp: 1632078

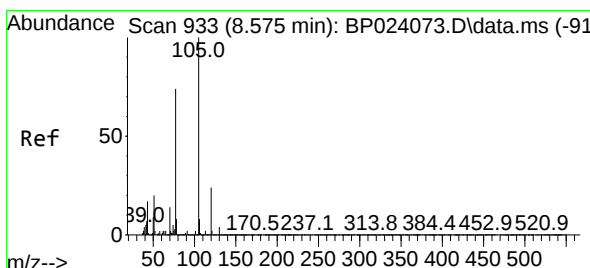
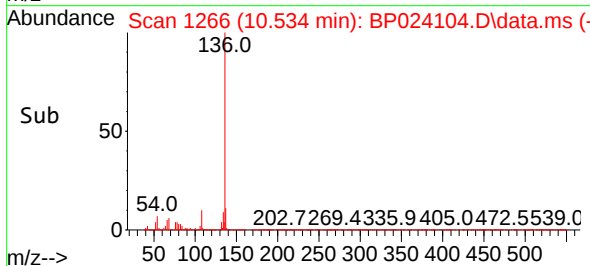
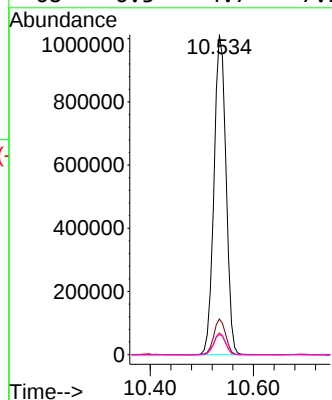
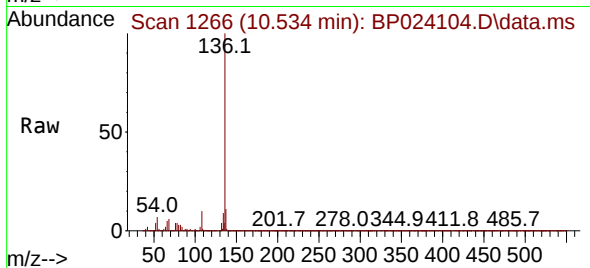
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.7 4.9 7.3

68 6.3 4.7 7.1



#22

Acetophenone

Concen: 10.094 ng

RT: 8.569 min Scan# 932

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Tgt Ion:105 Resp: 423349

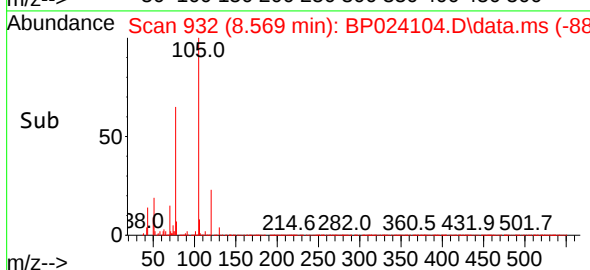
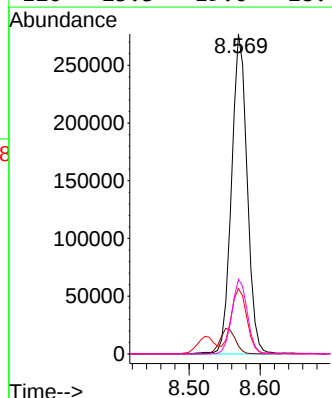
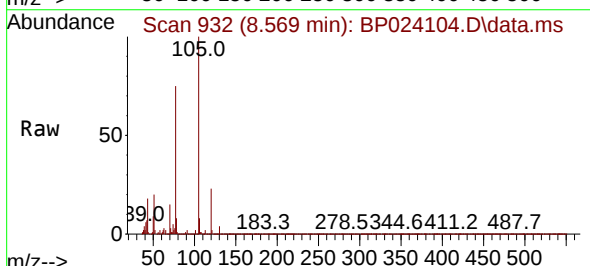
Ion Ratio Lower Upper

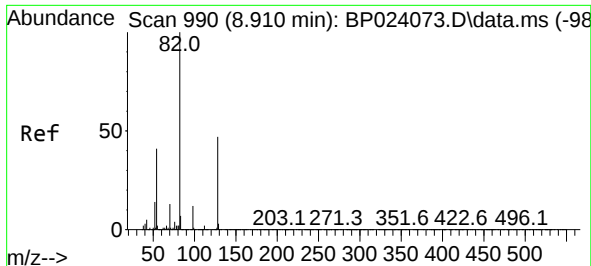
105 100

71 2.5 1.9 2.9

51 20.4 16.3 24.5

120 23.3 19.0 28.4

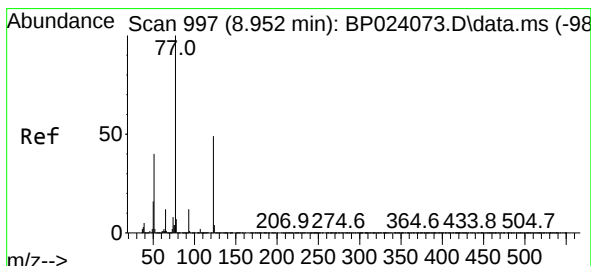
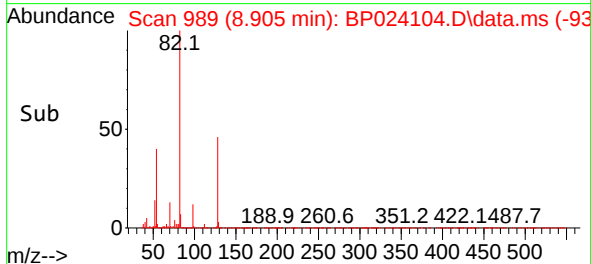
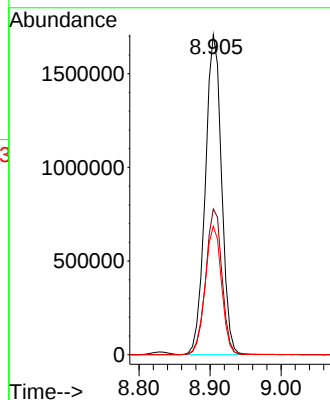
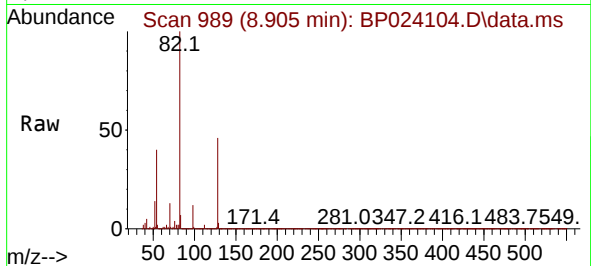




#23
Nitrobenzene-d5
Concen: 93.041 ng
RT: 8.905 min Scan# 910
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

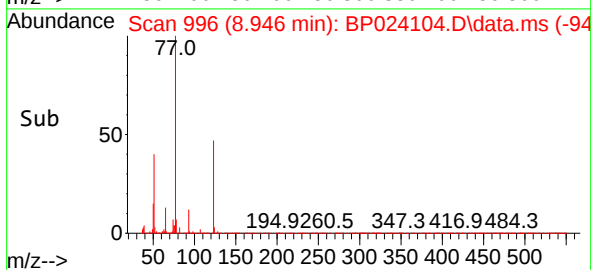
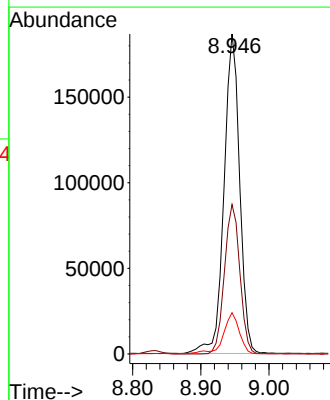
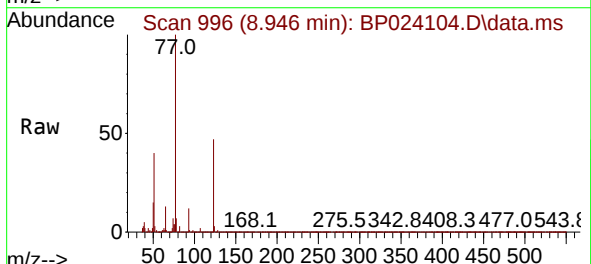
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

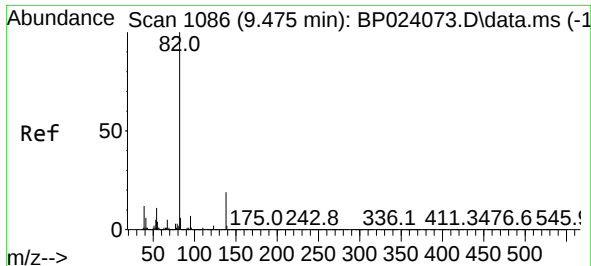
Tgt Ion: 82 Resp: 2721878
Ion Ratio Lower Upper
82 100
128 45.6 37.4 56.2
54 40.1 32.4 48.6



#24
Nitrobenzene
Concen: 10.367 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 77 Resp: 298470
Ion Ratio Lower Upper
77 100
123 46.7 39.4 59.2
65 12.9 9.9 14.9

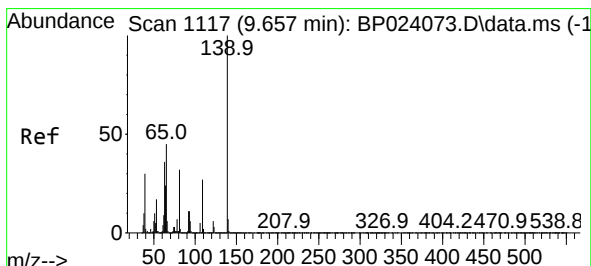
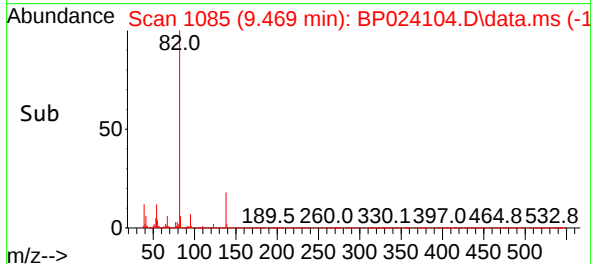
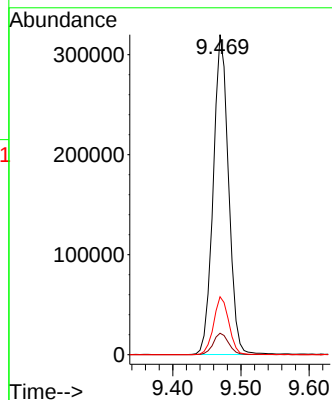
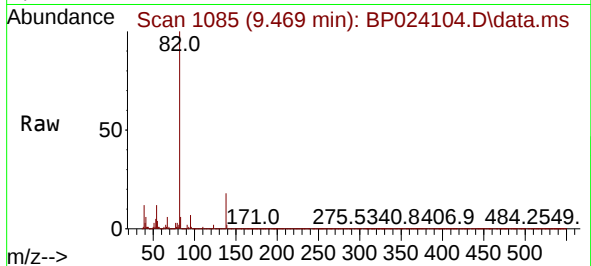




#25
Isophorone
Concen: 10.472 ng
RT: 9.469 min Scan# 1085
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

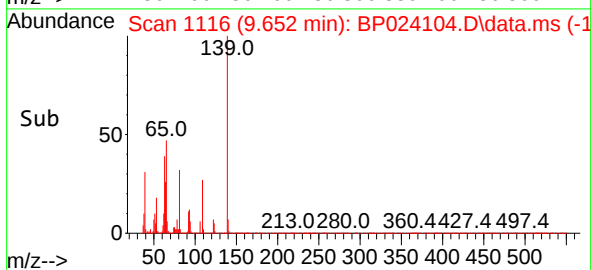
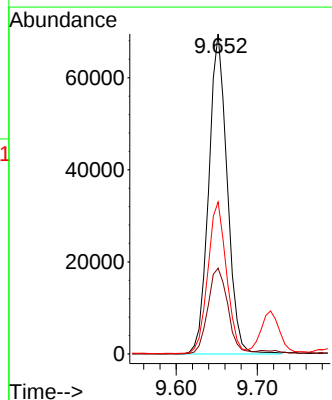
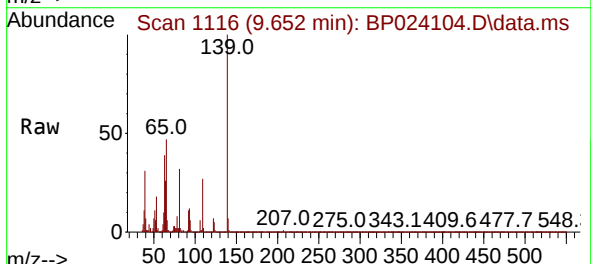
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

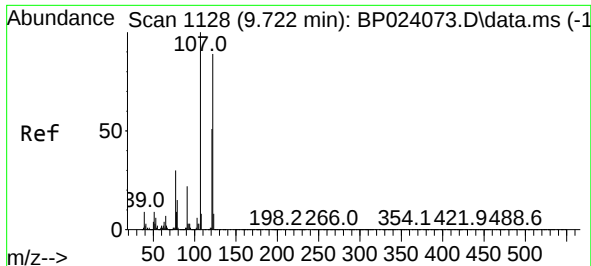
Tgt Ion: 82 Resp: 500999
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 18.1 15.3 22.9



#26
2-Nitrophenol
Concen: 8.279 ng
RT: 9.652 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 139 Resp: 109817
Ion Ratio Lower Upper
139 100
109 26.8 21.7 32.5
65 47.5 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 8.417 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

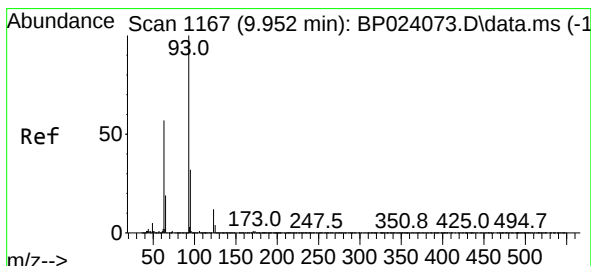
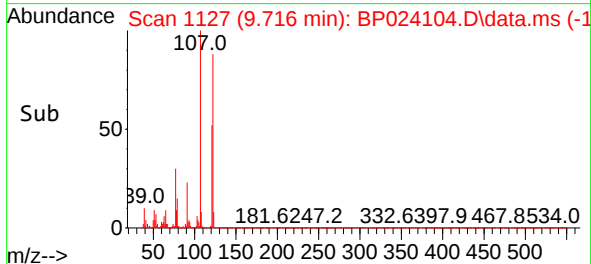
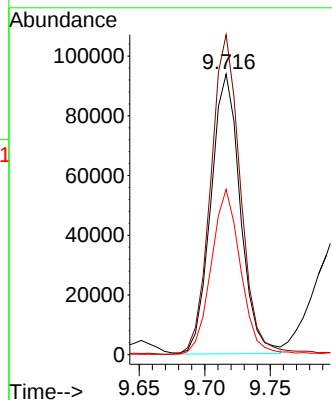
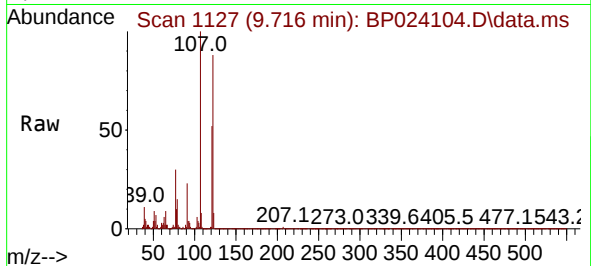
Tgt Ion:122 Resp: 146558

Ion Ratio Lower Upper

122 100

107 114.0 89.8 134.8

121 58.9 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 10.157 ng

RT: 9.946 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

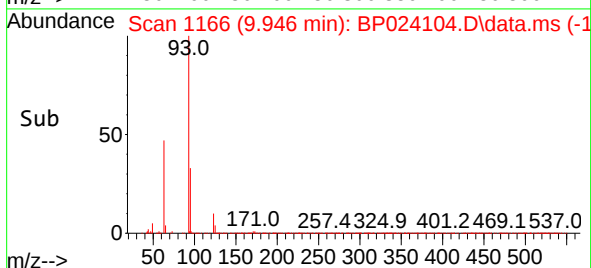
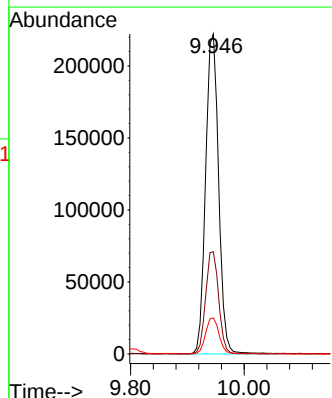
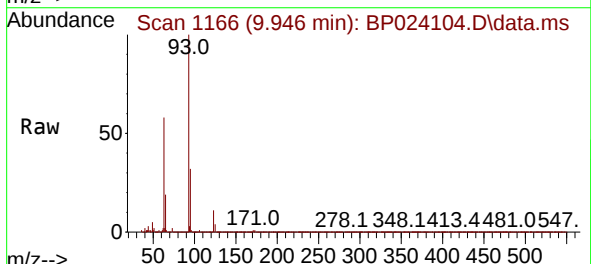
Tgt Ion: 93 Resp: 352017

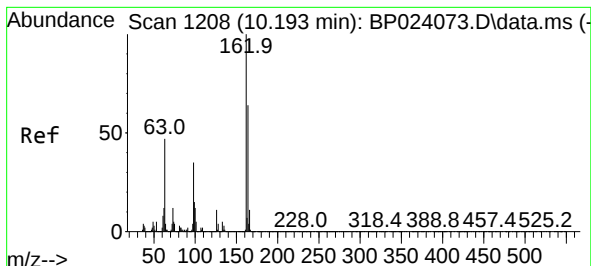
Ion Ratio Lower Upper

93 100

95 31.9 25.9 38.9

123 11.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 8.787 ng

RT: 10.187 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

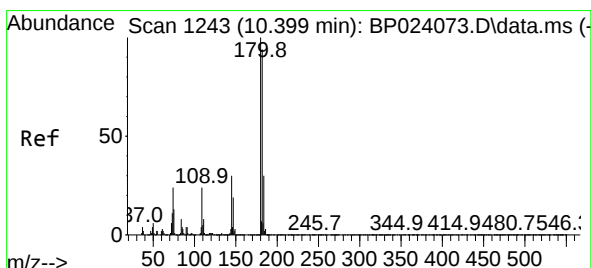
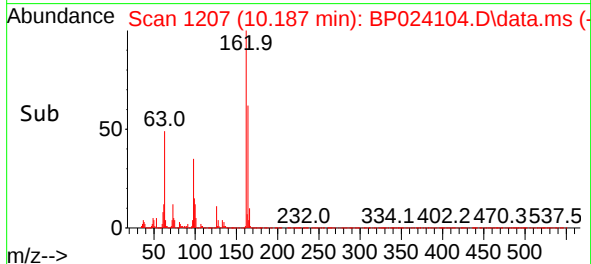
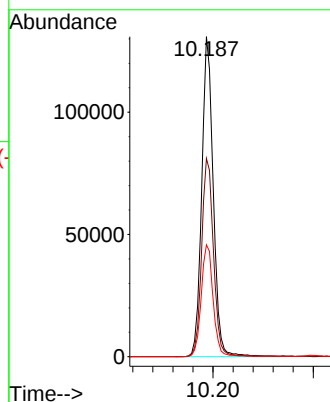
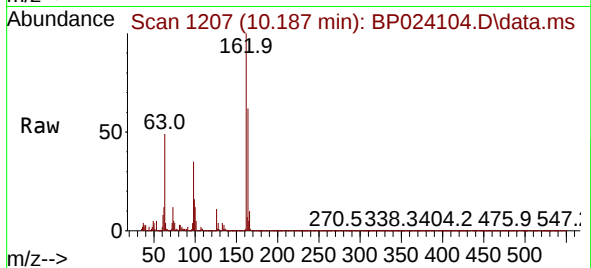
Tgt Ion:162 Resp: 208787

Ion Ratio Lower Upper

162 100

164 61.9 44.5 84.5

98 34.9 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 9.162 ng

RT: 10.399 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

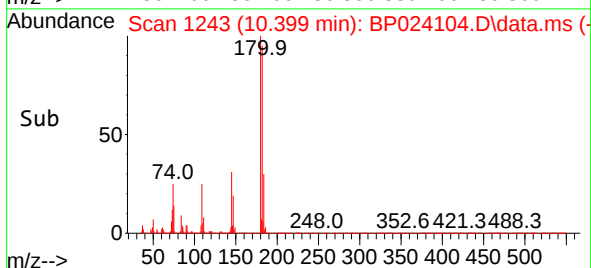
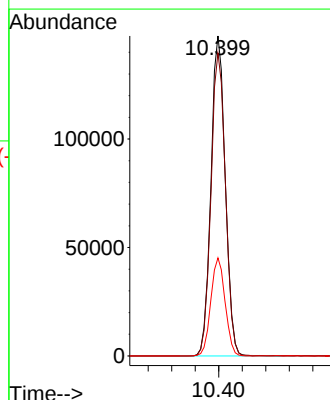
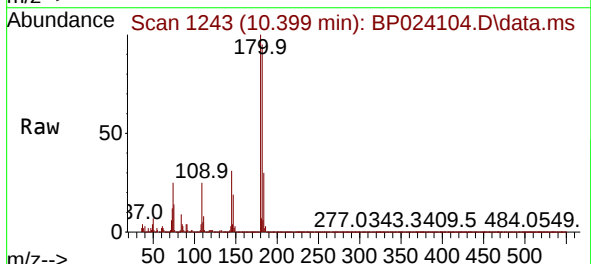
Tgt Ion:180 Resp: 249425

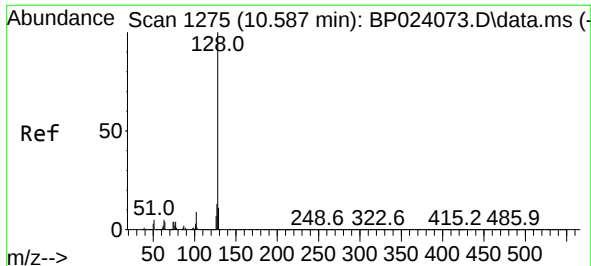
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 30.6 24.0 36.0

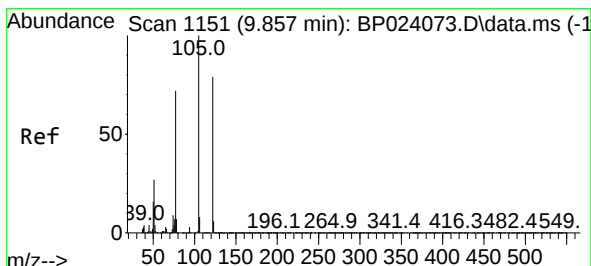
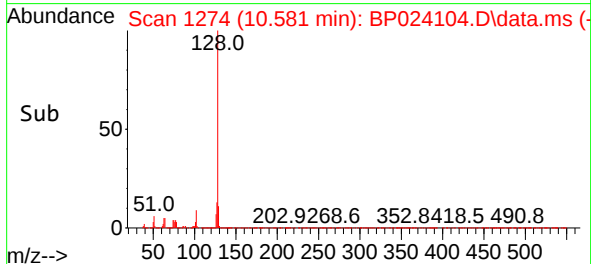
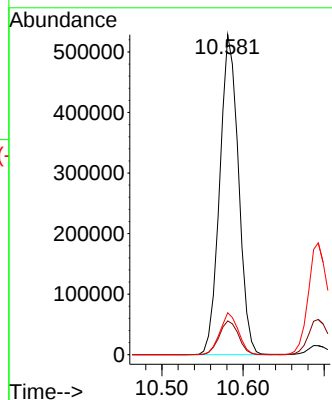
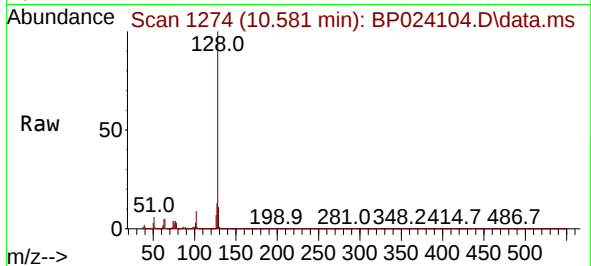




#31
Naphthalene
Concen: 9.673 ng
RT: 10.581 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

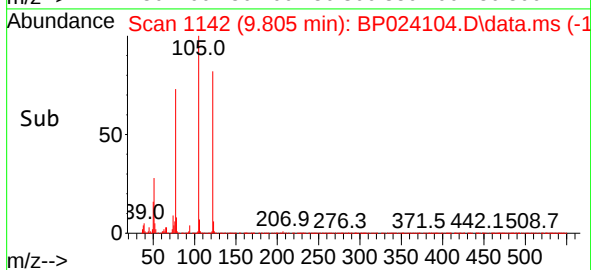
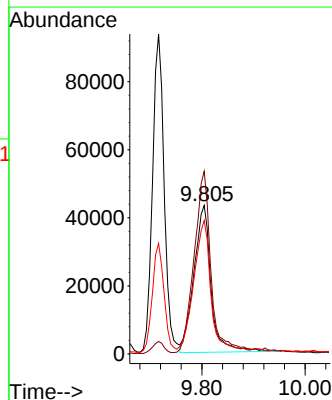
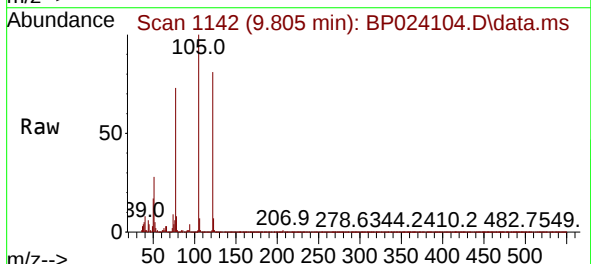
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

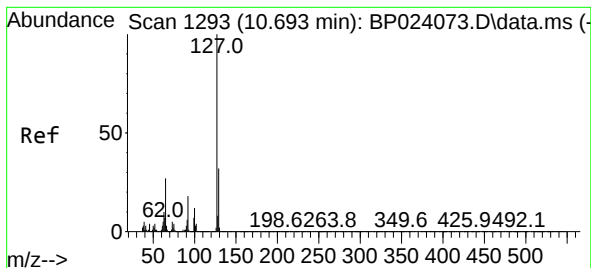
Tgt Ion:128 Resp: 848876
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.1 10.3 15.5



#32
Benzoic acid
Concen: 12.105 ng
RT: 9.805 min Scan# 1142
Delta R.T. -0.052 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:122 Resp: 99945
Ion Ratio Lower Upper
122 100
105 123.0 103.7 143.7
77 89.8 69.9 109.9





#33

4-Chloroaniline

Concen: 10.386 ng

RT: 10.693 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:127 Resp: 321101

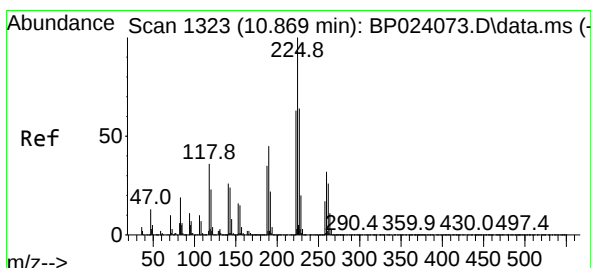
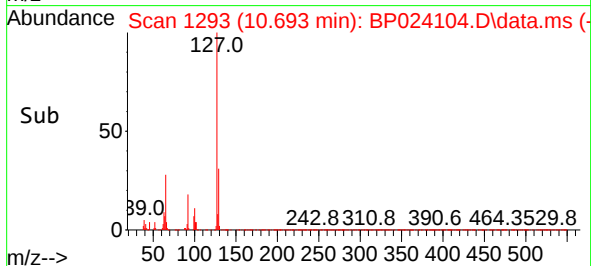
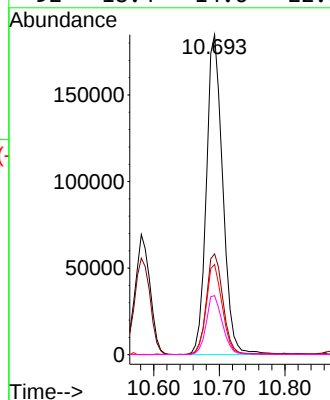
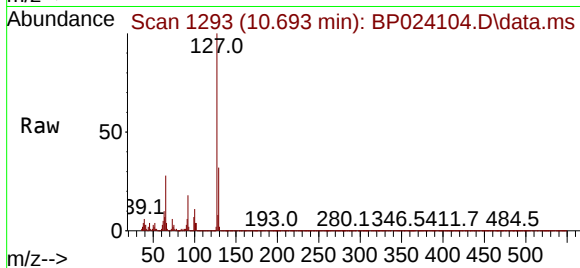
Ion Ratio Lower Upper

127 100

129 31.5 25.4 38.0

65 28.2 21.3 31.9

92 18.4 14.6 22.0



#34

Hexachlorobutadiene

Concen: 9.330 ng

RT: 10.869 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

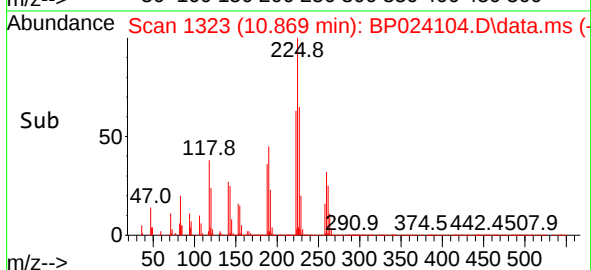
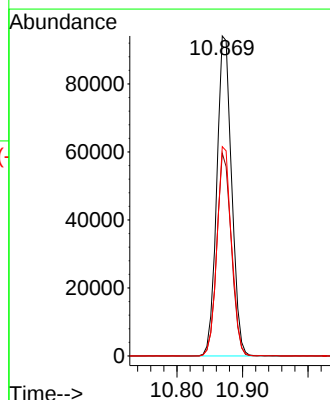
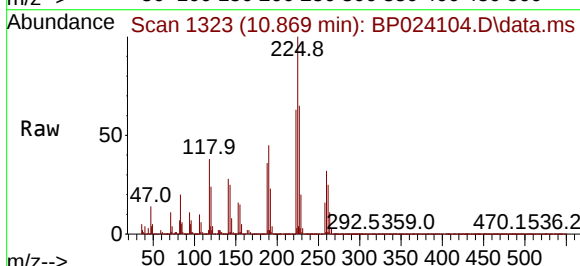
Tgt Ion:225 Resp: 147121

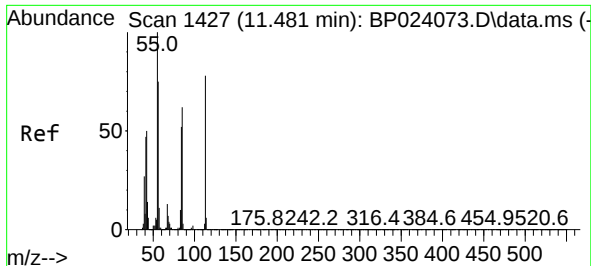
Ion Ratio Lower Upper

225 100

223 63.4 50.5 75.7

227 65.4 51.3 76.9

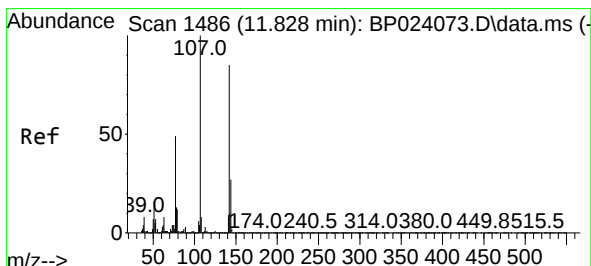
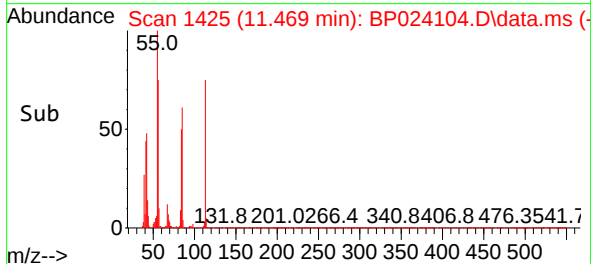
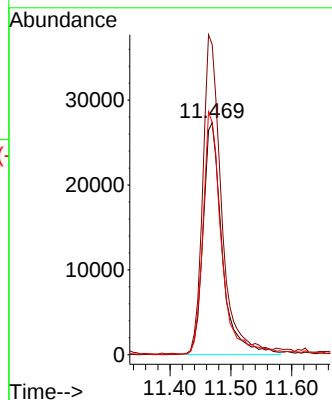
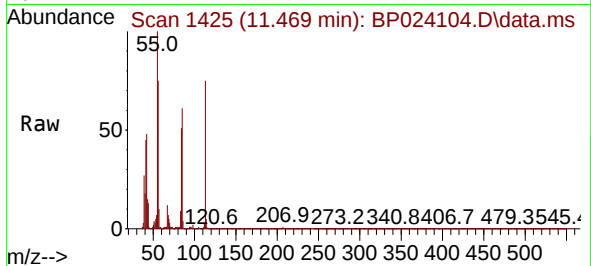




#35
Caprolactam
Concen: 12.102 ng
RT: 11.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

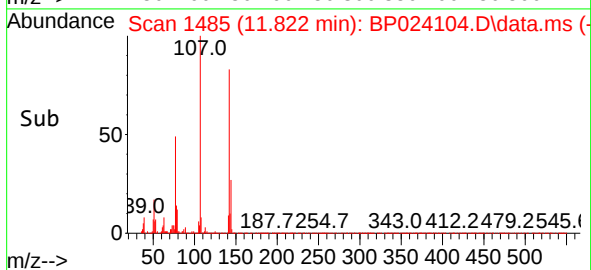
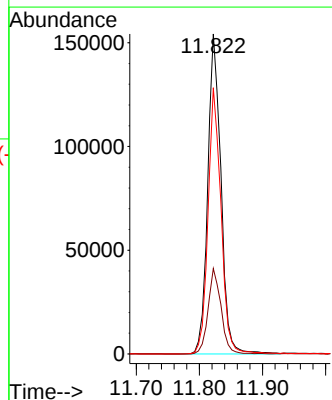
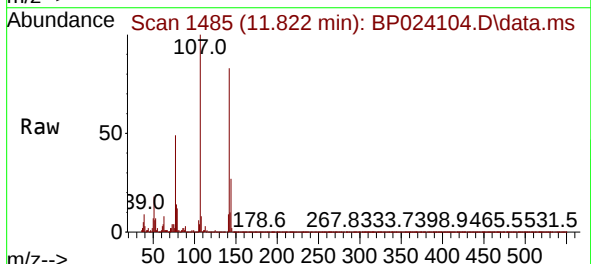
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

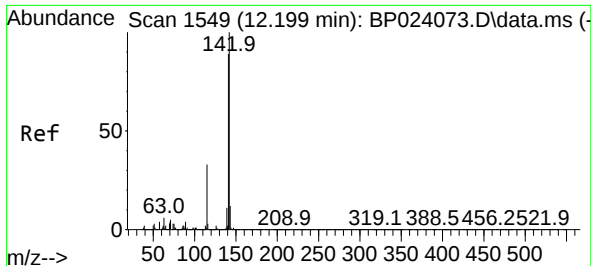
Tgt Ion:113 Resp: 59116
Ion Ratio Lower Upper
113 100
55 133.7 108.8 148.8
56 100.0 76.5 116.5



#36
4-Chloro-3-methylphenol
Concen: 9.184 ng
RT: 11.822 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:107 Resp: 224340
Ion Ratio Lower Upper
107 100
144 26.7 21.8 32.8
142 83.2 67.8 101.8

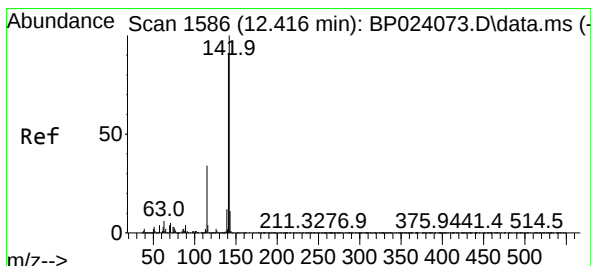
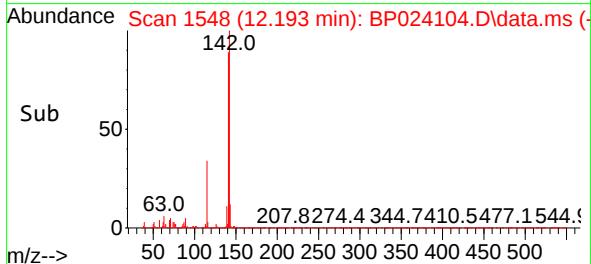
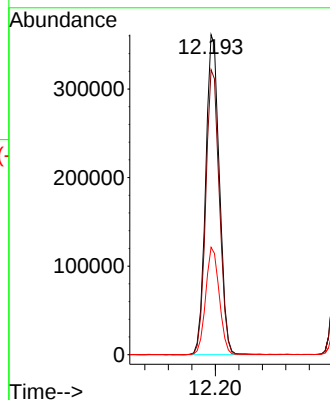
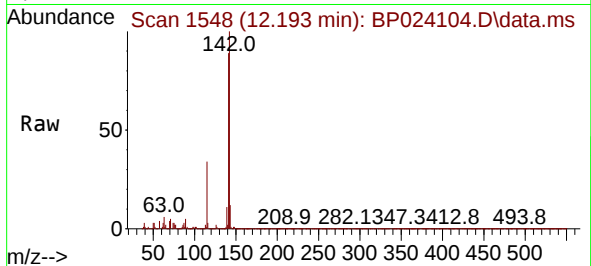




#37
2-Methylnaphthalene
Concen: 10.010 ng
RT: 12.193 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

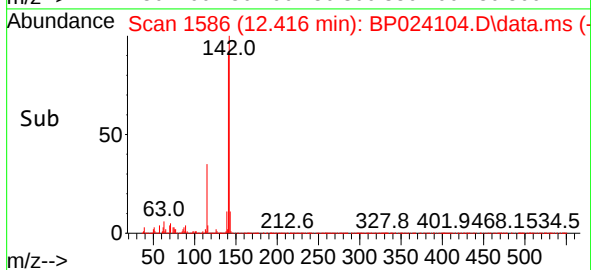
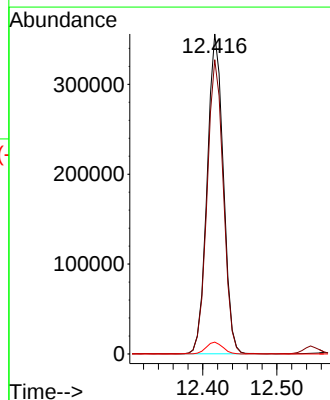
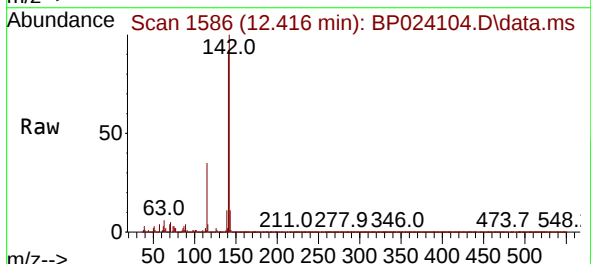
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

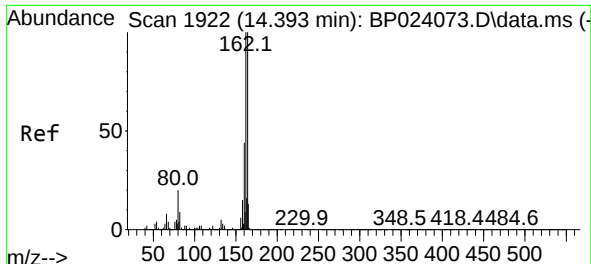
Tgt Ion:142 Resp: 583837
Ion Ratio Lower Upper
142 100
141 89.1 71.2 106.8
115 33.5 26.5 39.7



#38
1-Methylnaphthalene
Concen: 9.522 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:142 Resp: 540297
Ion Ratio Lower Upper
142 100
141 91.9 73.0 109.6
116 3.7 2.8 4.2

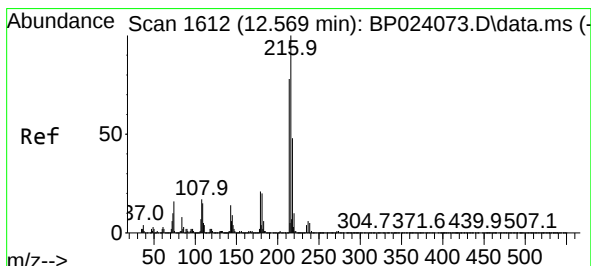
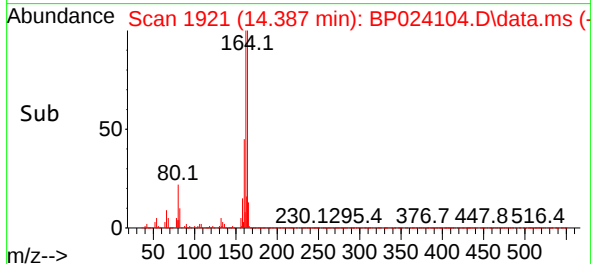
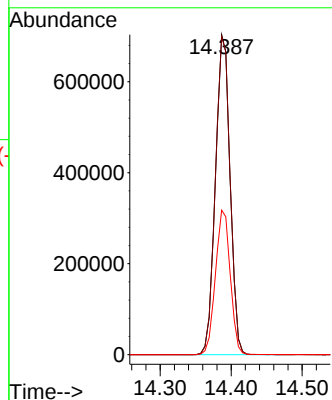
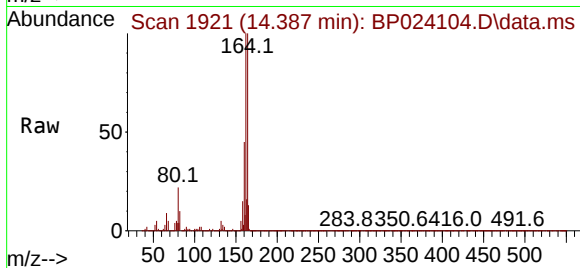




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

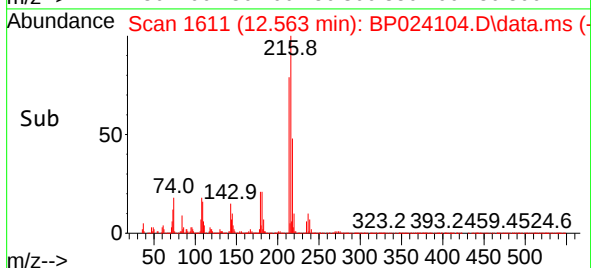
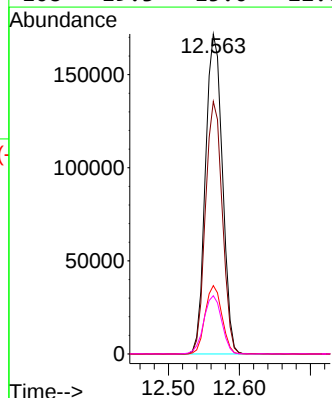
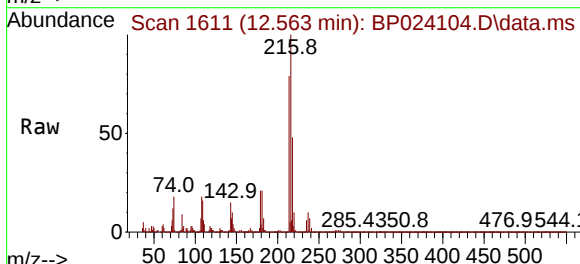
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

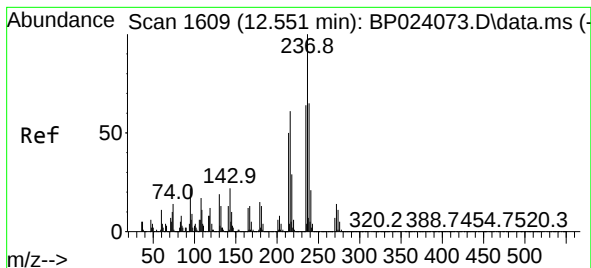
Tgt Ion:164 Resp: 1005693
Ion Ratio Lower Upper
164 100
162 99.5 80.1 120.1
160 45.2 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.232 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:216 Resp: 285284
Ion Ratio Lower Upper
216 100
214 78.3 62.7 94.1
179 21.2 16.6 25.0
108 19.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 8.124 ng

RT: 12.546 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

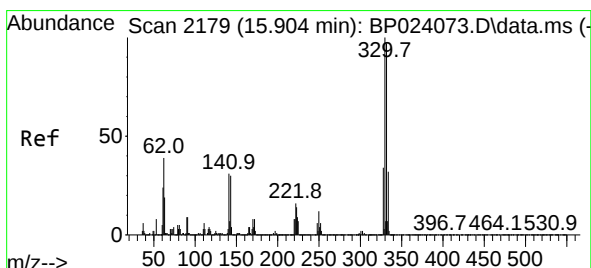
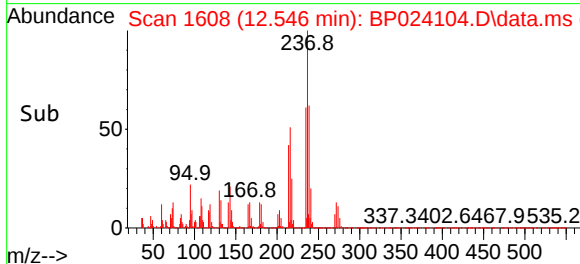
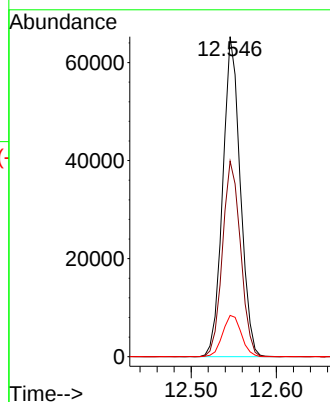
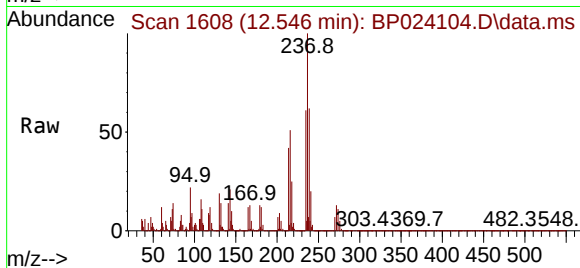
Tgt Ion:237 Resp: 93408

Ion Ratio Lower Upper

237 100

235 61.1 43.5 83.5

272 12.9 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 107.242 ng

RT: 15.904 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

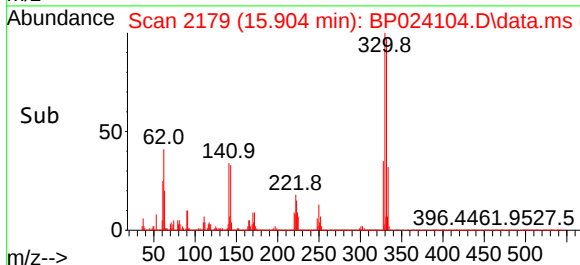
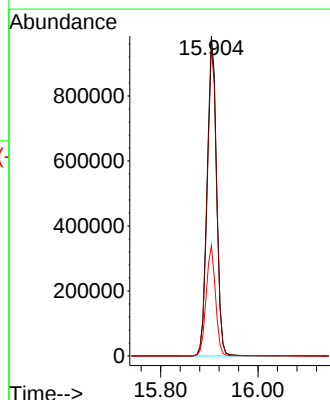
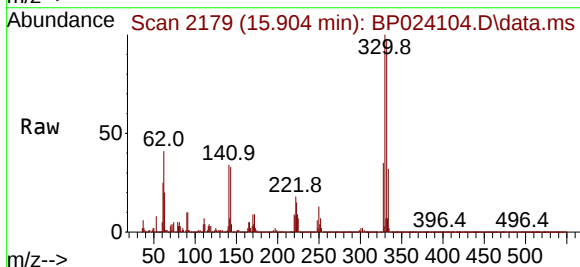
Tgt Ion:330 Resp: 1321078

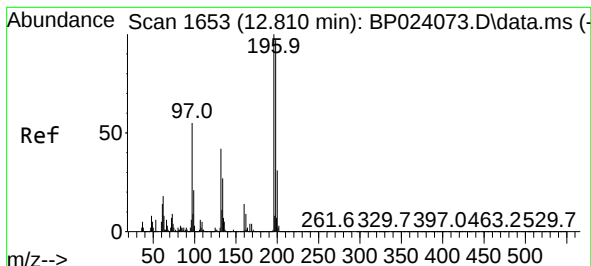
Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.4

141 34.2 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 8.317 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

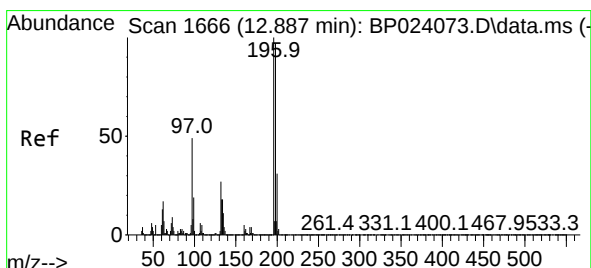
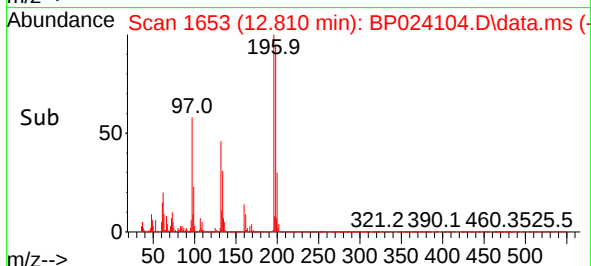
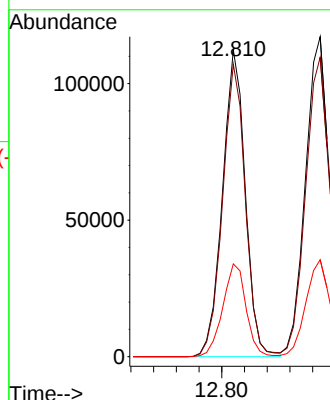
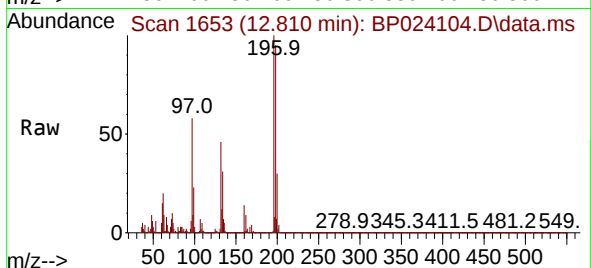
Tgt Ion:196 Resp: 156732

Ion Ratio Lower Upper

196 100

198 95.3 77.8 116.6

200 30.2 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 8.597 ng

RT: 12.887 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Tgt Ion:196 Resp: 177173

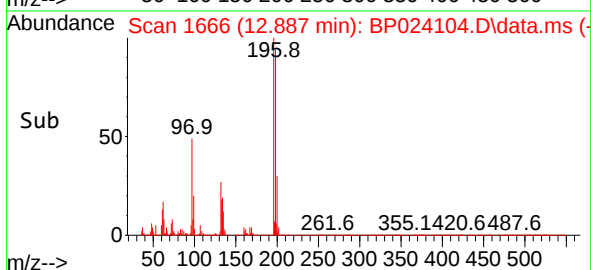
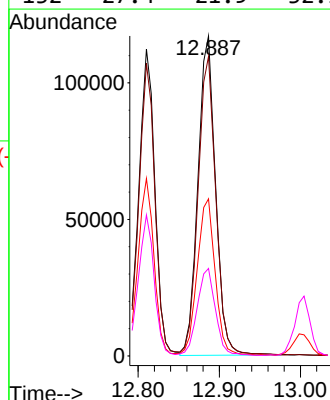
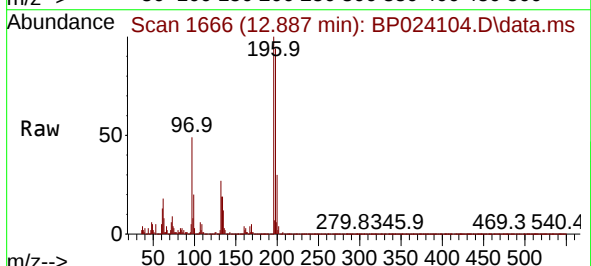
Ion Ratio Lower Upper

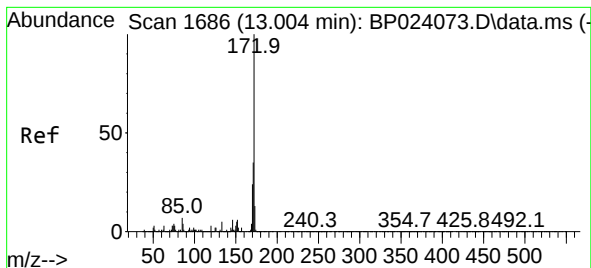
196 100

198 93.6 77.4 116.2

97 49.1 39.0 58.4

132 27.4 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 88.213 ng

RT: 13.004 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

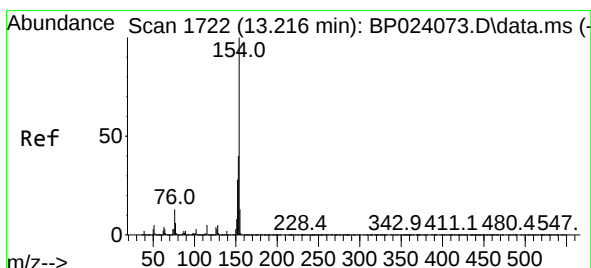
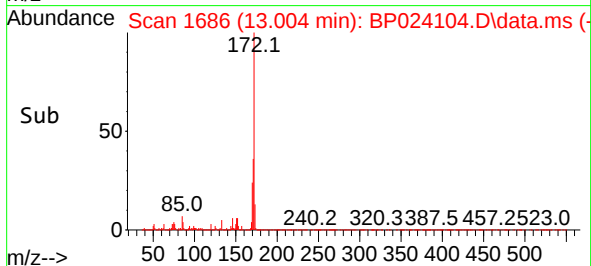
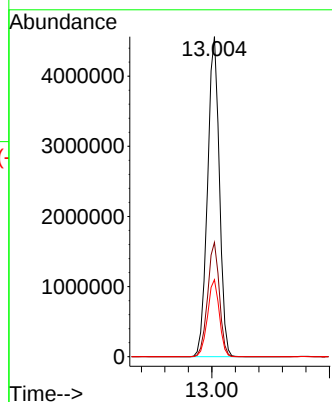
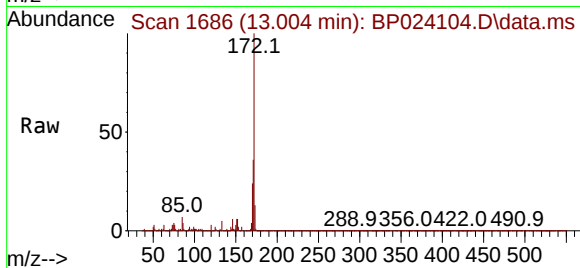
Tgt Ion:172 Resp: 6345849

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 24.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 9.841 ng

RT: 13.210 min Scan# 1721

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

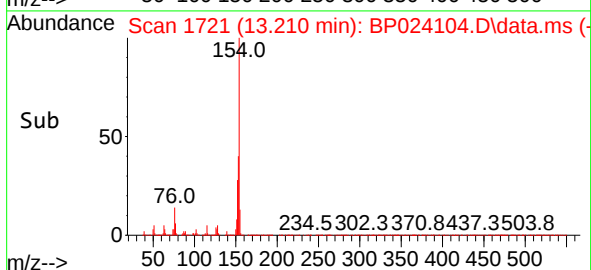
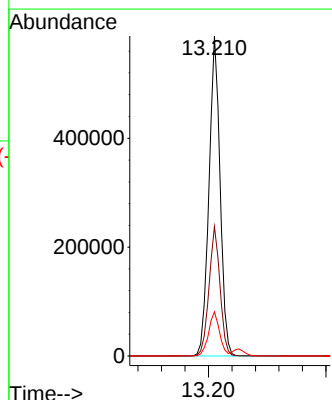
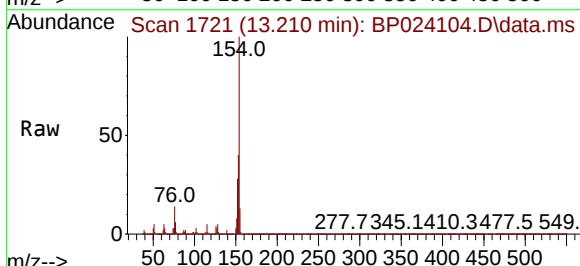
Tgt Ion:154 Resp: 769032

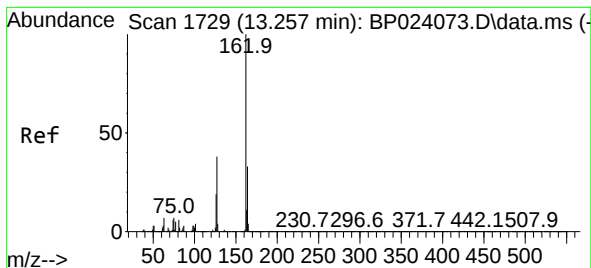
Ion Ratio Lower Upper

154 100

153 40.5 20.0 60.0

76 13.8 0.0 32.6





#47

2-Chloronaphthalene

Concen: 9.519 ng

RT: 13.251 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

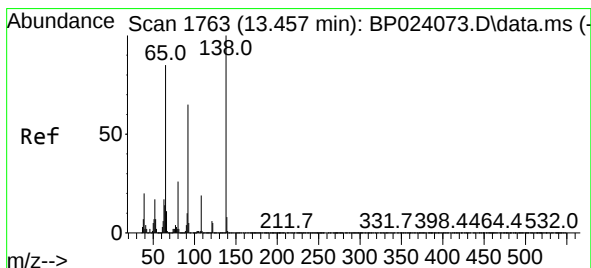
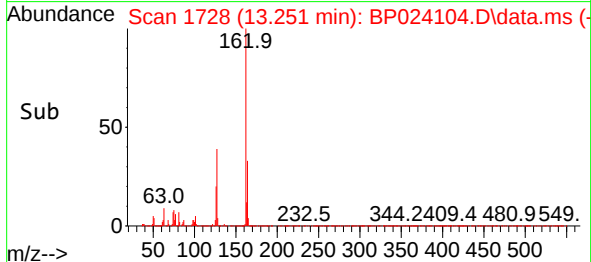
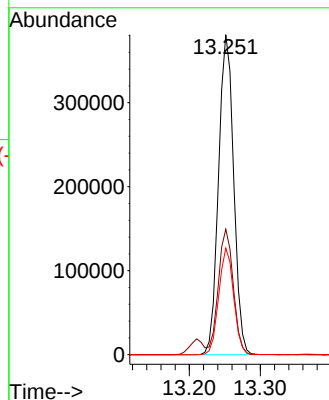
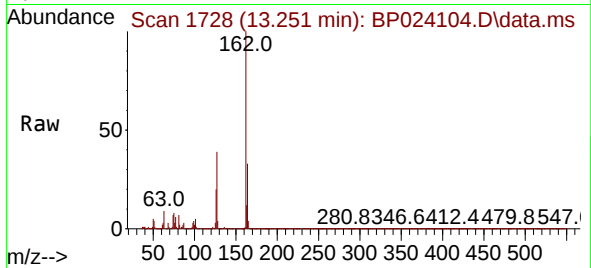
Tgt Ion:162 Resp: 562373

Ion Ratio Lower Upper

162 100

127 39.2 30.7 46.1

164 33.3 26.6 39.8



#48

2-Nitroaniline

Concen: 8.990 ng

RT: 13.457 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

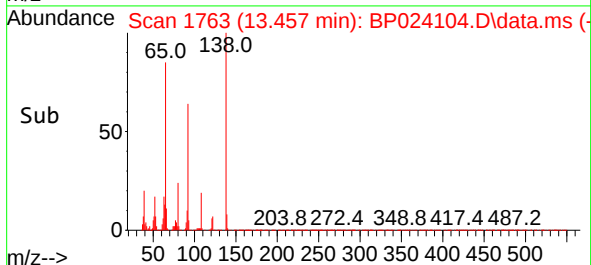
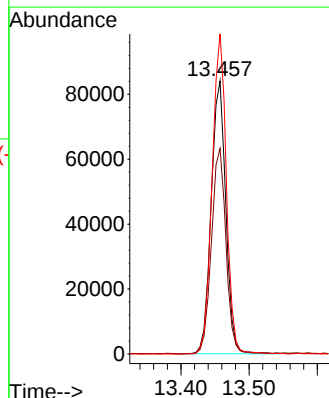
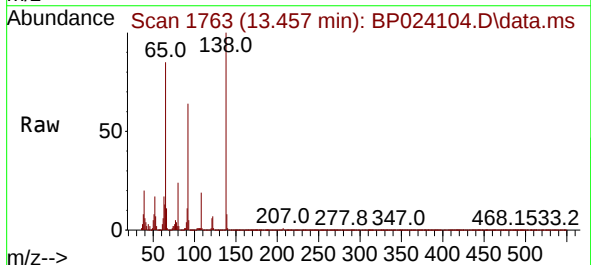
Tgt Ion: 65 Resp: 125461

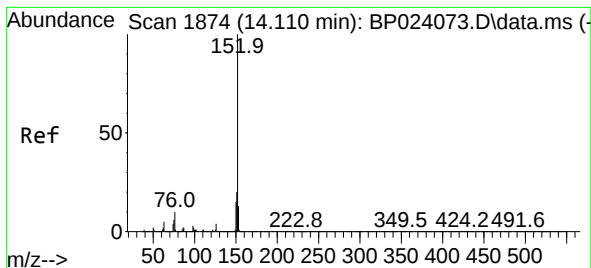
Ion Ratio Lower Upper

65 100

92 75.3 61.7 92.5

138 117.3 94.6 142.0





#49

Acenaphthylene

Concen: 9.749 ng

RT: 14.104 min Scan# 1873

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

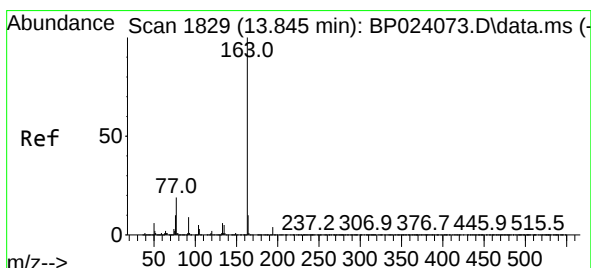
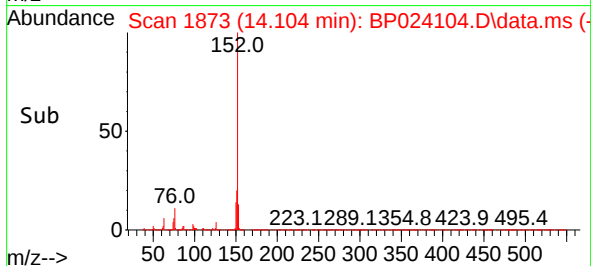
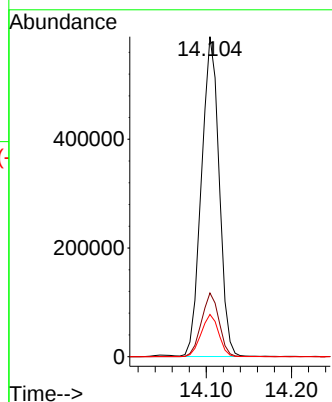
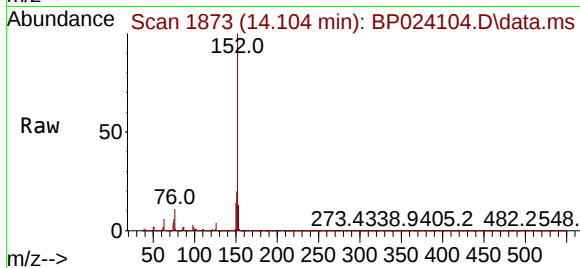
Tgt Ion:152 Resp: 848513

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.2 10.7 16.1



#50

Dimethylphthalate

Concen: 9.207 ng

RT: 13.840 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

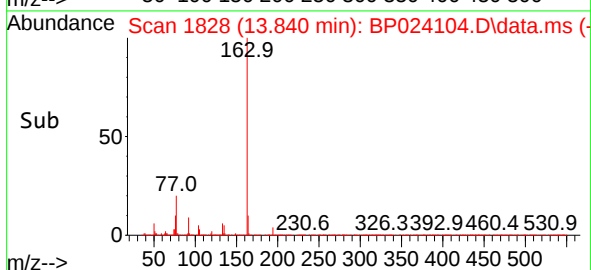
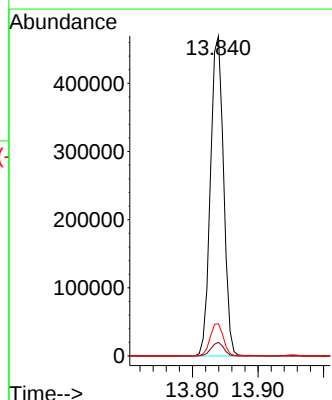
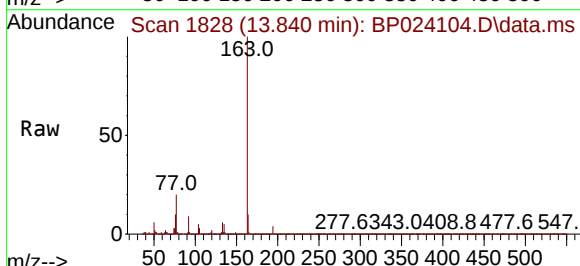
Tgt Ion:163 Resp: 653112

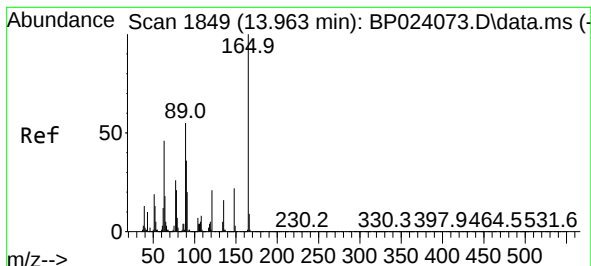
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.1 8.1 12.1

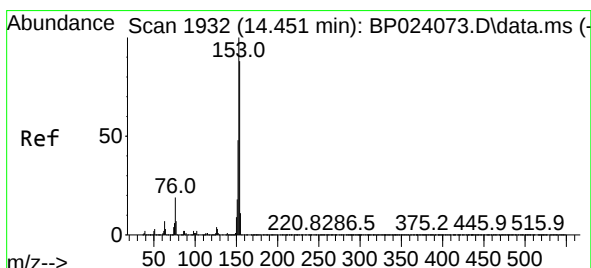
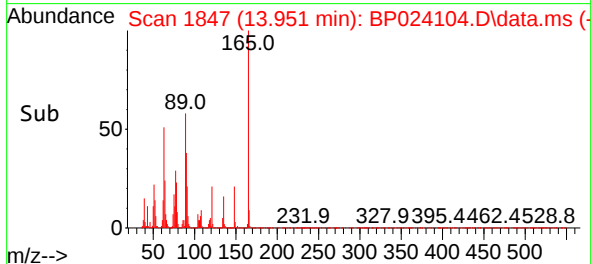
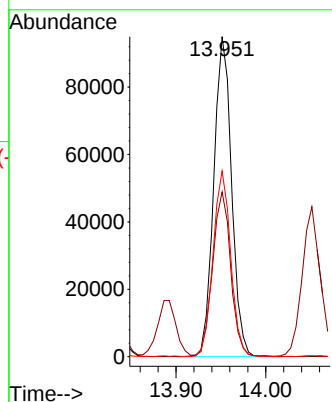
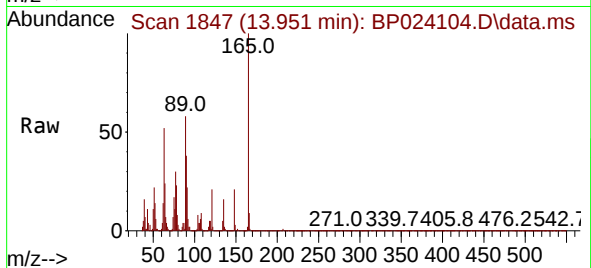




#51
2,6-Dinitrotoluene
Concen: 9.061 ng
RT: 13.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

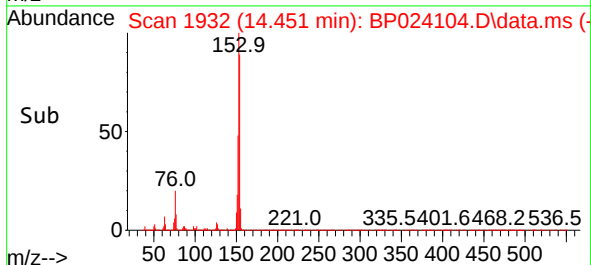
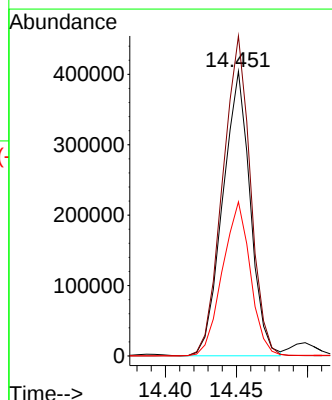
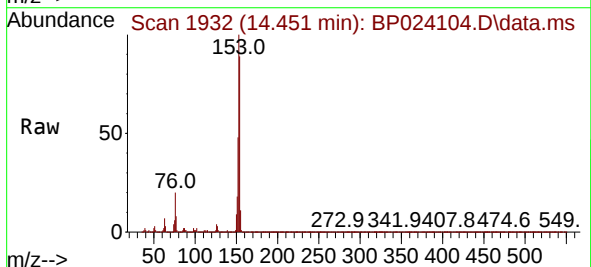
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

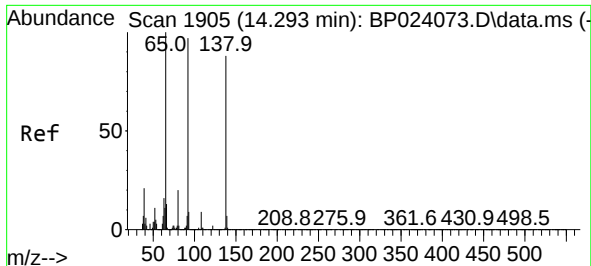
Tgt Ion:165 Resp: 130945
Ion Ratio Lower Upper
165 100
63 51.5 40.1 60.1
89 58.0 44.2 66.4



#52
Acenaphthene
Concen: 9.686 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:154 Resp: 542921
Ion Ratio Lower Upper
154 100
153 112.4 90.6 135.8
152 54.2 43.6 65.4

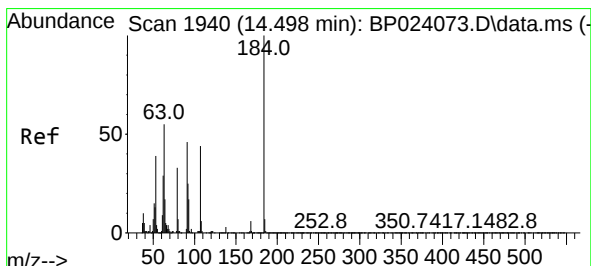
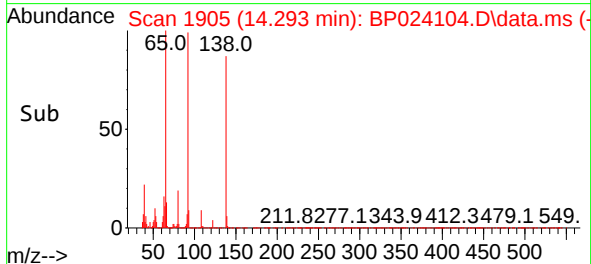
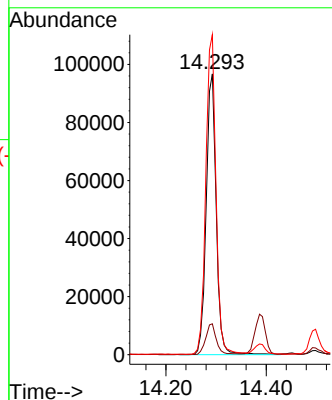
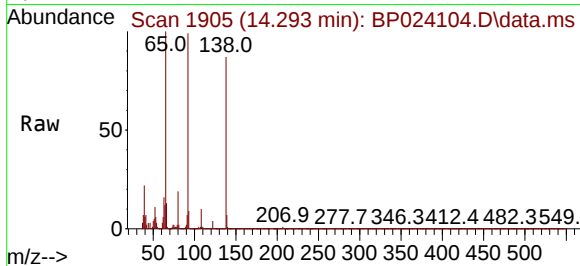




#53
3-Nitroaniline
Concen: 8.707 ng
RT: 14.293 min Scan# 1905
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

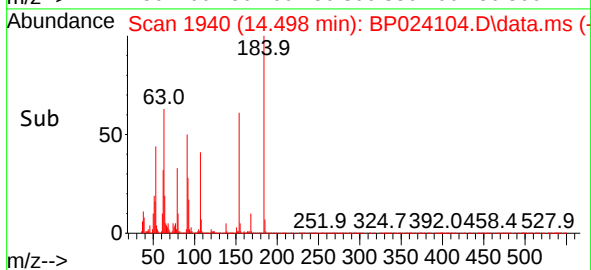
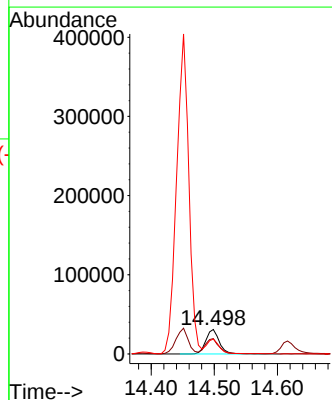
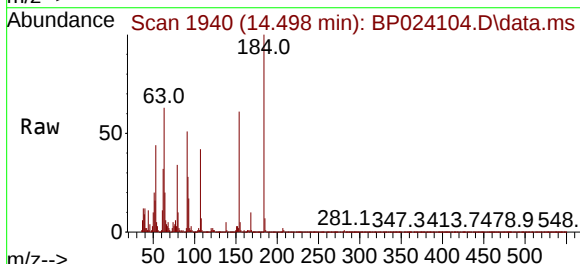
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

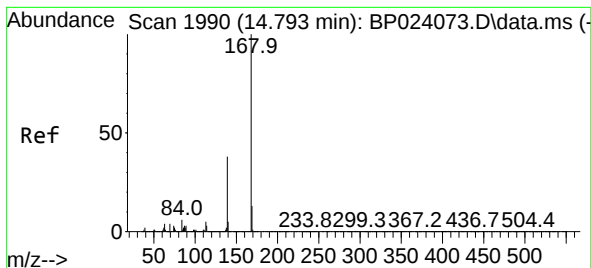
Tgt Ion:138 Resp: 134265
Ion Ratio Lower Upper
138 100
108 11.0 7.8 11.8
92 113.9 88.4 132.6



#54
2,4-Dinitrophenol
Concen: 12.132 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:184 Resp: 45934
Ion Ratio Lower Upper
184 100
63 63.2 49.4 74.0
154 61.1 49.2 73.8





#55

Dibenzenofuran

Concen: 9.256 ng

RT: 14.787 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

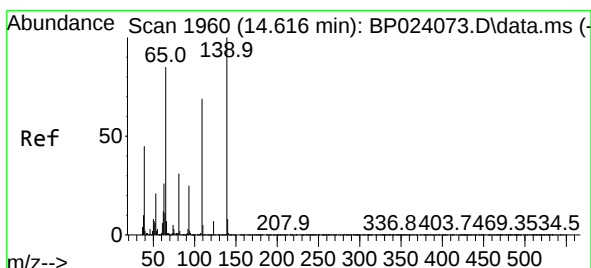
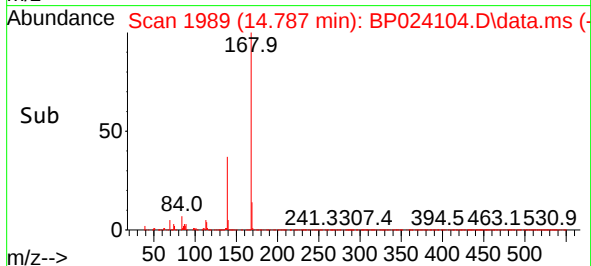
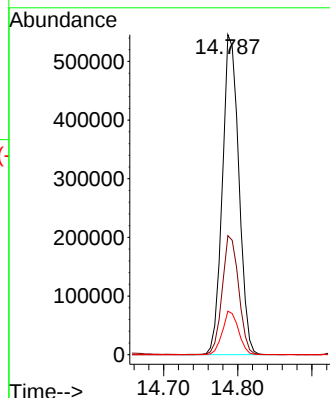
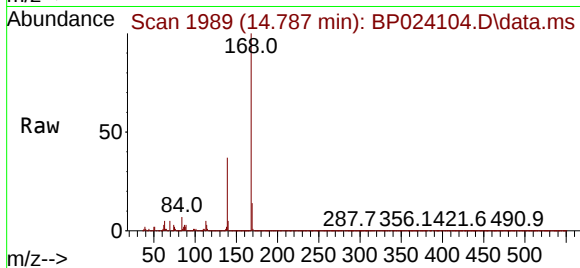
Tgt Ion:168 Resp: 842768

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.2

169 13.6 10.7 16.1



#56

4-Nitrophenol

Concen: 7.194 ng

RT: 14.616 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

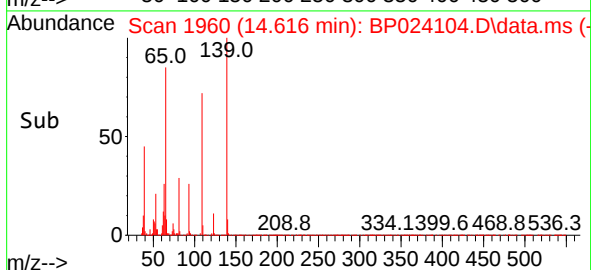
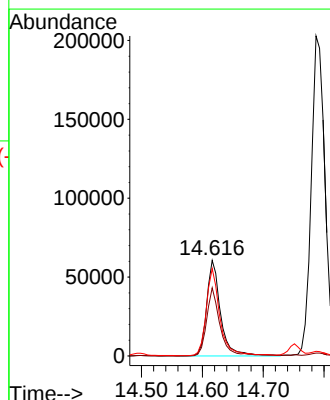
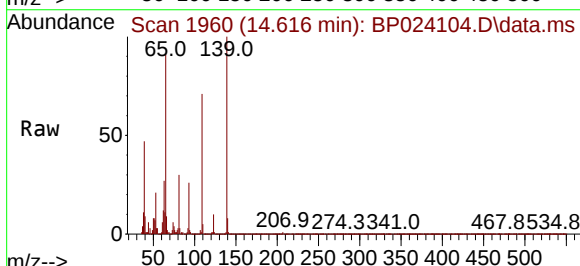
Tgt Ion:139 Resp: 95825

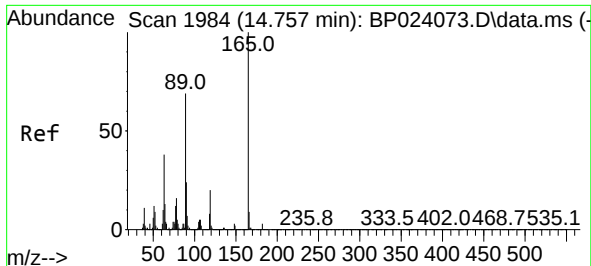
Ion Ratio Lower Upper

139 100

109 71.4 49.2 89.2

65 91.4 65.4 105.4

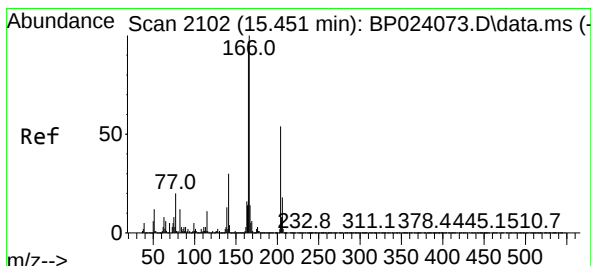
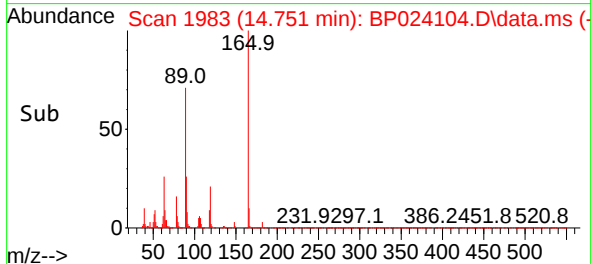
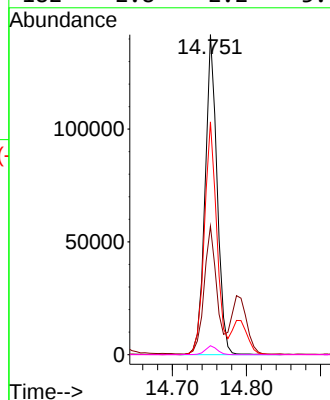
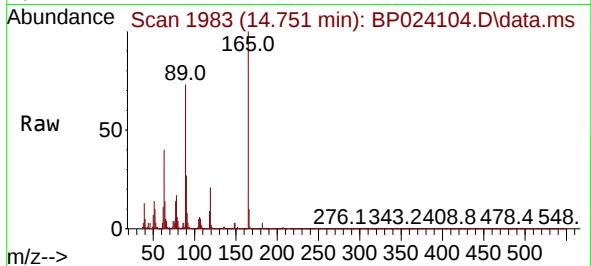




#57
2,4-Dinitrotoluene
Concen: 8.537 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

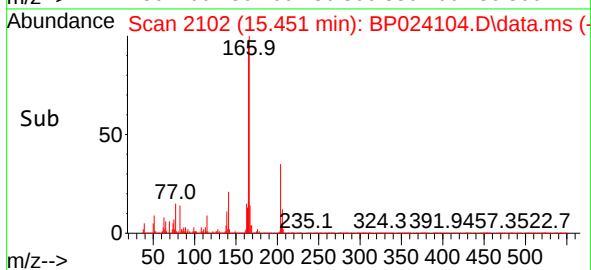
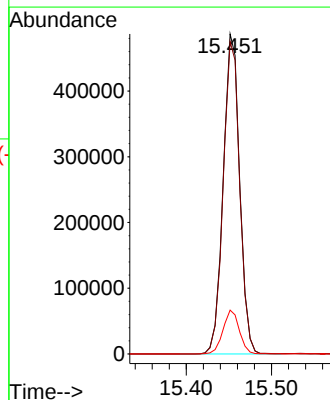
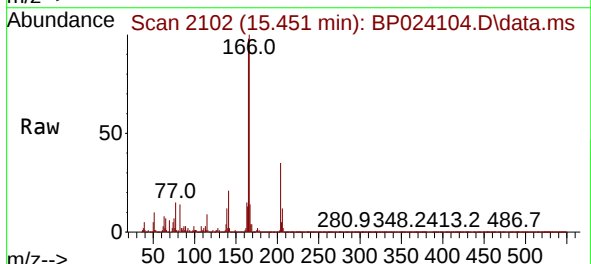
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

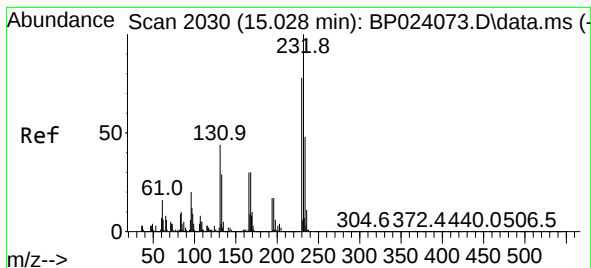
Tgt Ion:165 Resp: 160248
Ion Ratio Lower Upper
165 100
63 40.1 30.4 45.6
89 72.8 54.8 82.2
182 2.8 2.2 3.4



#58
Fluorene
Concen: 9.180 ng
RT: 15.451 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:166 Resp: 652793
Ion Ratio Lower Upper
166 100
165 97.6 77.5 116.3
167 13.7 10.9 16.3



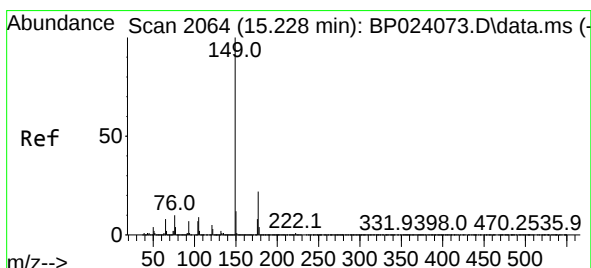
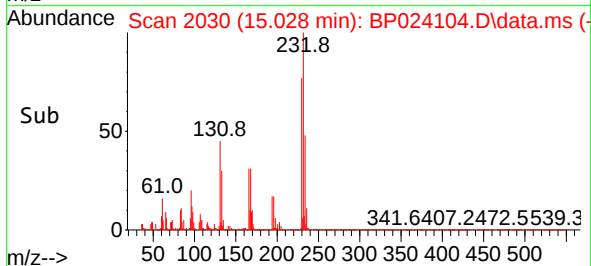
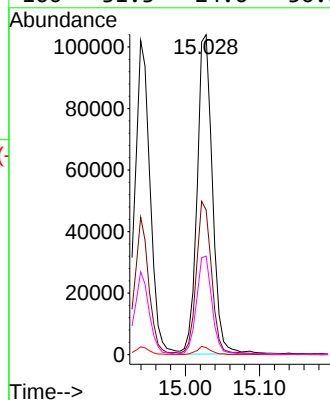
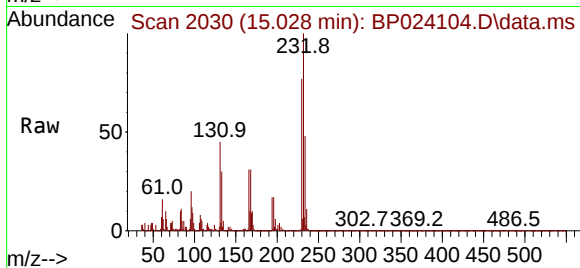


#59
2,3,4,6-Tetrachlorophenol
Concen: 8.326 ng
RT: 15.028 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

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

Tgt Ion:232 Resp: 148870

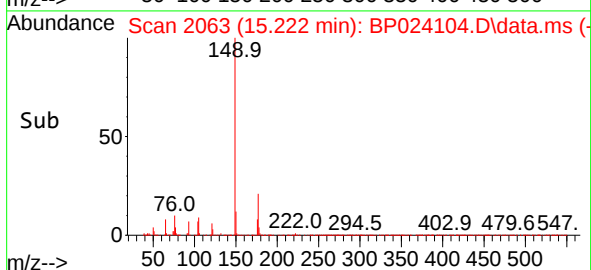
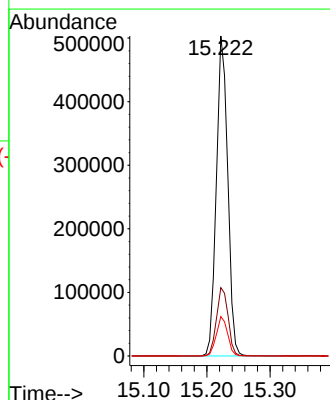
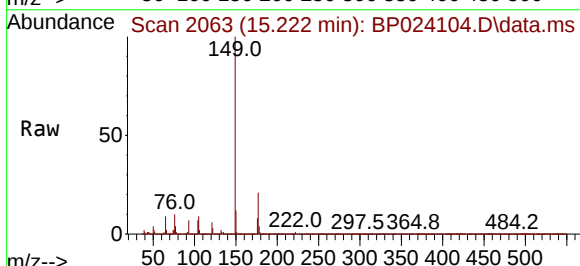
Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.3	55.9
130	2.4	1.9	2.9
166	31.3	24.6	36.8

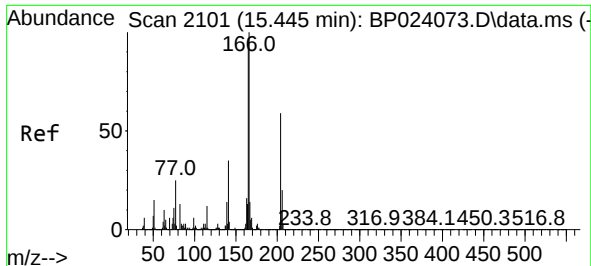


#60
Diethylphthalate
Concen: 8.935 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:149 Resp: 629202

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.9	26.9
150	12.3	9.8	14.6

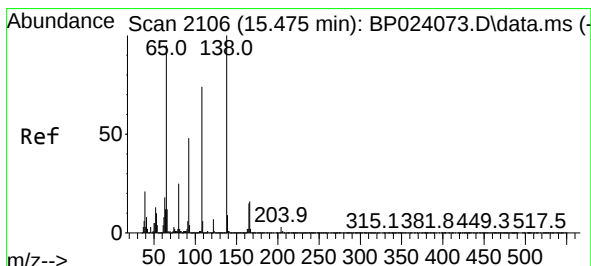
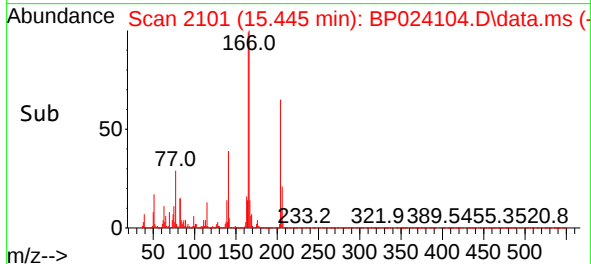
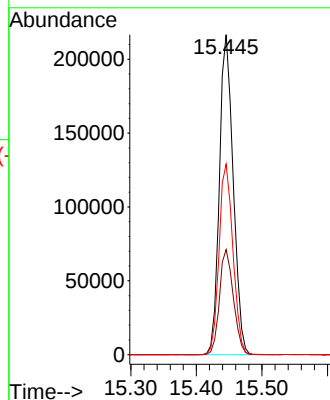
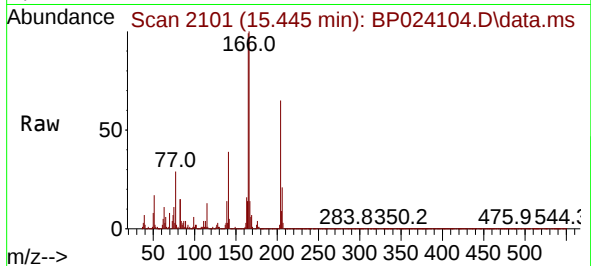




#61
4-Chlorophenyl-phenylether
Concen: 8.987 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

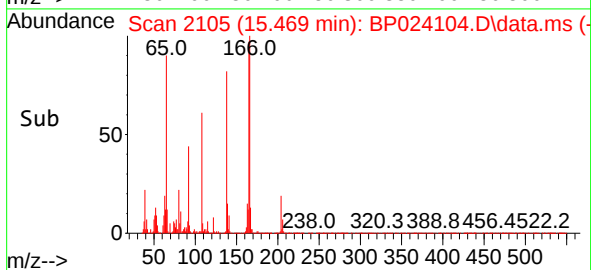
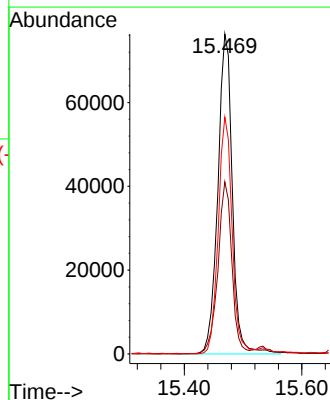
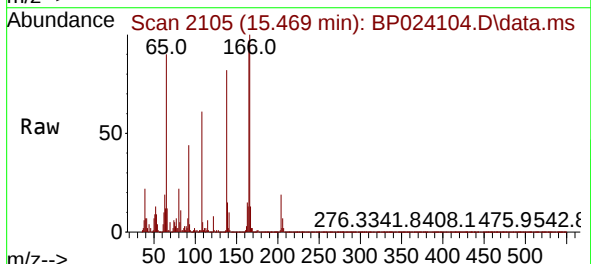
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

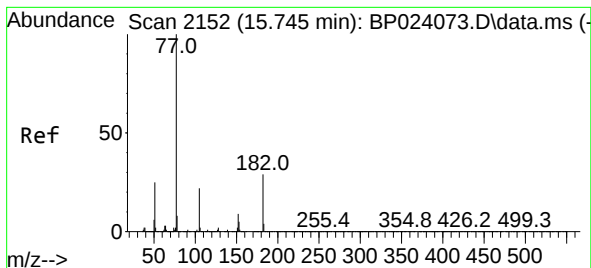
Tgt Ion:204 Resp: 314561
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 59.5 47.8 71.6



#62
4-Nitroaniline
Concen: 9.955 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:138 Resp: 130672
Ion Ratio Lower Upper
138 100
92 53.8 28.3 68.3
108 74.0 54.0 94.0





#63

Azobenzene

Concen: 9.365 ng

RT: 15.745 min Scan# 2152

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 77 Resp: 617981

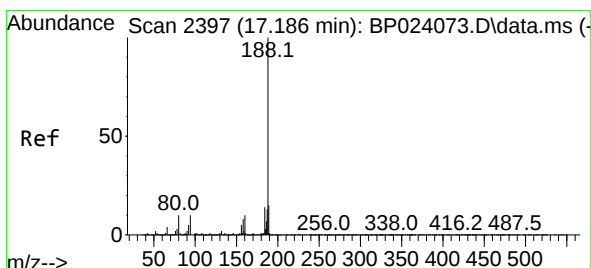
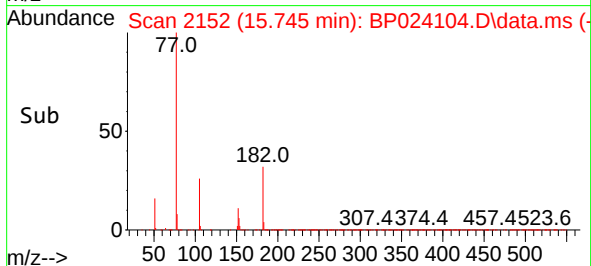
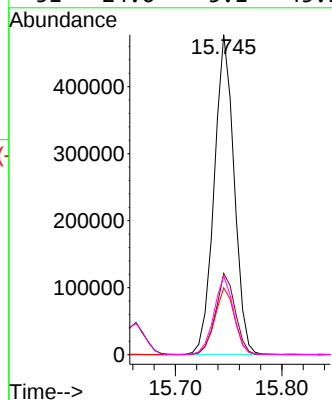
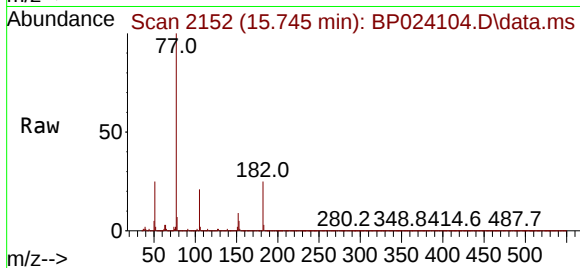
Ion Ratio Lower Upper

77 100

182 25.4 8.5 48.5

105 20.9 1.8 41.8

51 24.6 5.1 45.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2398

Delta R.T. 0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

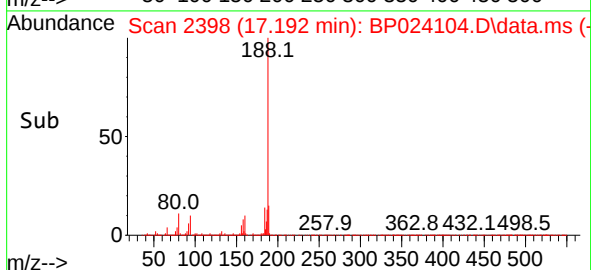
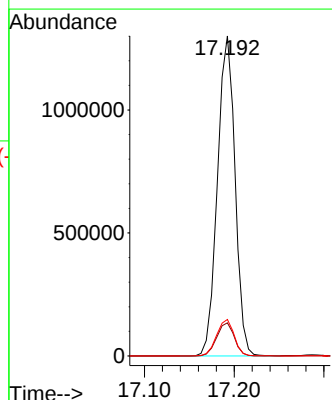
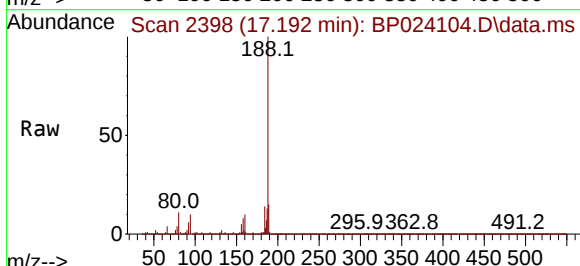
Tgt Ion:188 Resp: 1774034

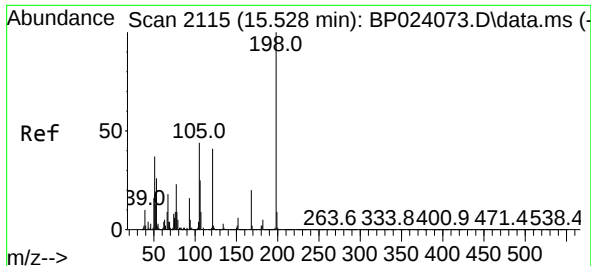
Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

80 11.4 8.2 12.2

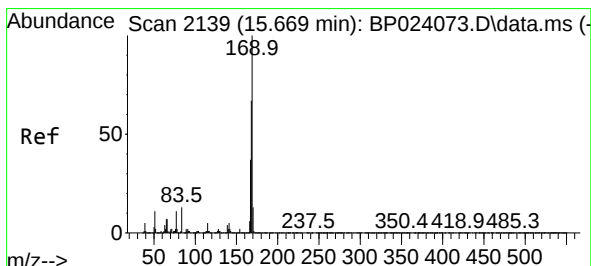
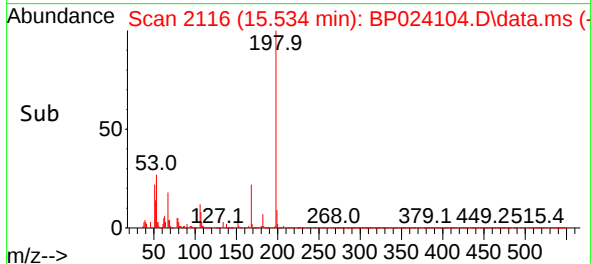
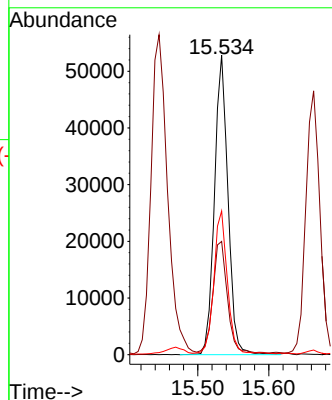
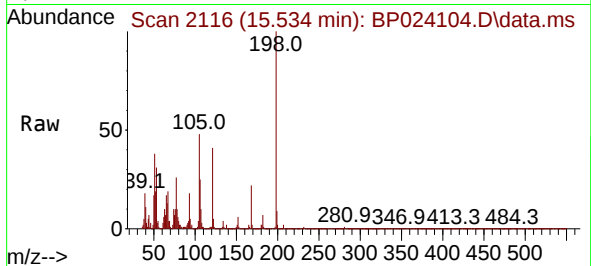




#65
4,6-Dinitro-2-methylphenol
Concen: 11.358 ng
RT: 15.534 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

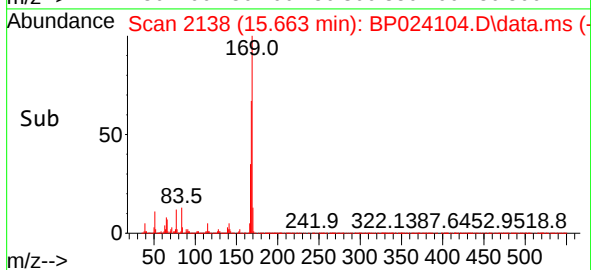
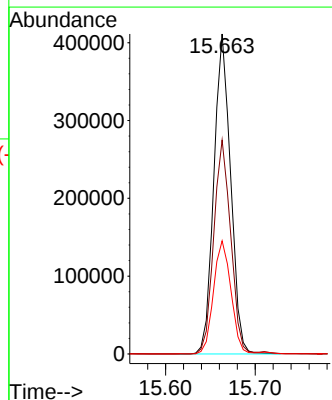
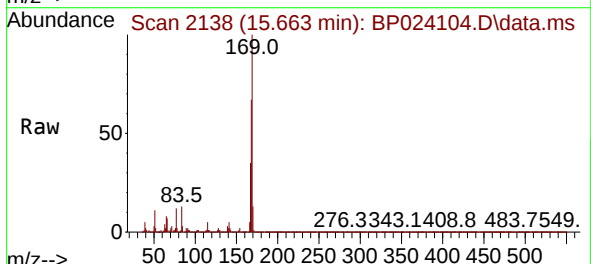
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

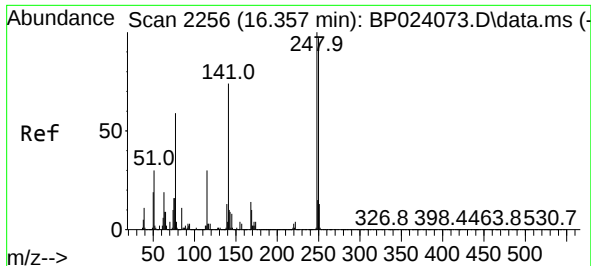
Tgt Ion:198 Resp: 69676
Ion Ratio Lower Upper
198 100
51 37.8 18.7 58.7
105 48.0 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 9.642 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:169 Resp: 533420
Ion Ratio Lower Upper
169 100
168 66.9 53.6 80.4
167 35.4 29.5 44.3

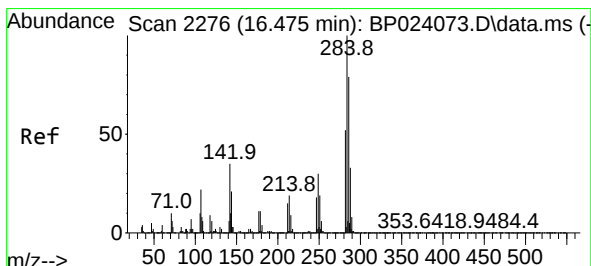
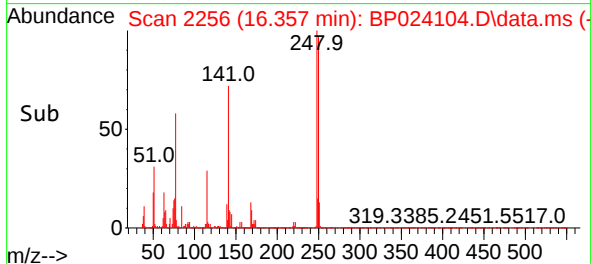
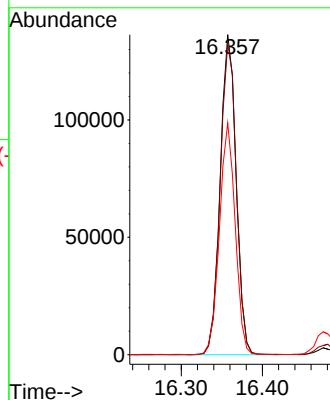
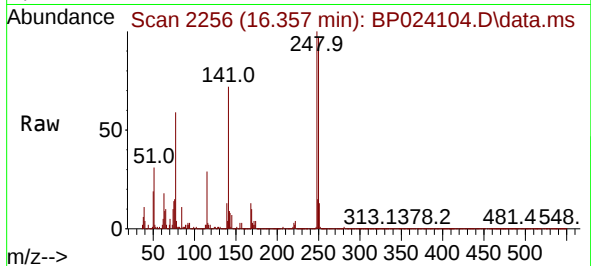




#67
4-Bromophenyl-phenylether
Concen: 9.340 ng
RT: 16.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

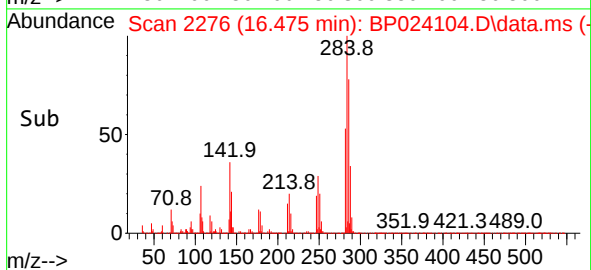
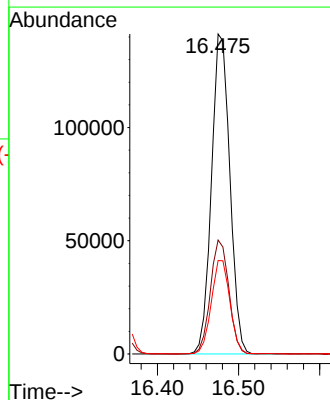
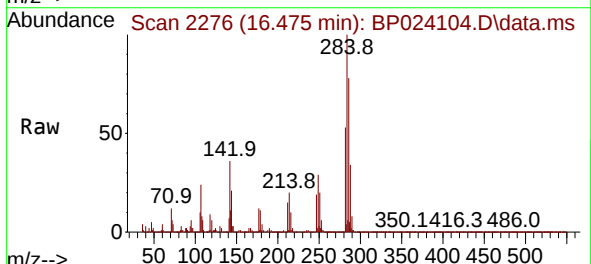
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

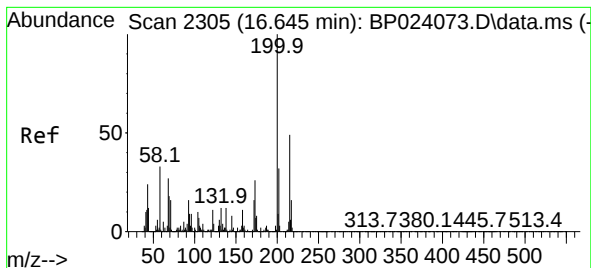
Tgt Ion:248 Resp: 186076
Ion Ratio Lower Upper
248 100
250 97.2 77.9 116.9
141 72.5 58.8 88.2



#68
Hexachlorobenzene
Concen: 9.479 ng
RT: 16.475 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:284 Resp: 222207
Ion Ratio Lower Upper
284 100
142 35.6 27.7 41.5
249 29.2 23.8 35.6





#69

Atrazine

Concen: 11.298 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

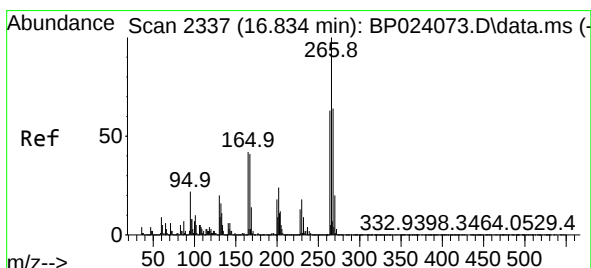
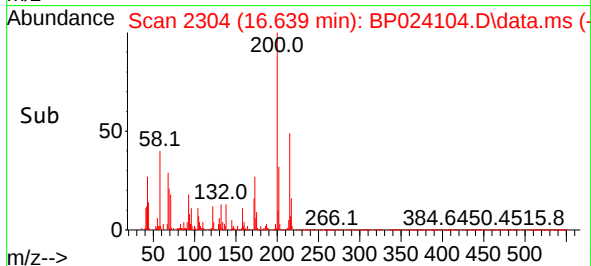
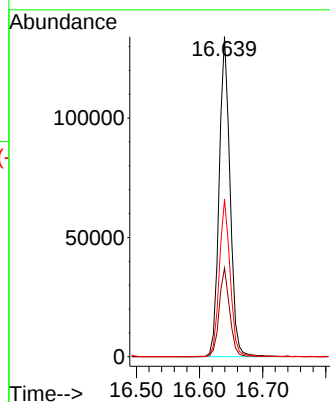
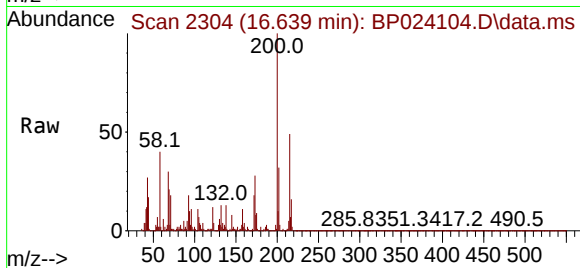
Tgt Ion:200 Resp: 160397

Ion Ratio Lower Upper

200 100

173 27.7 5.7 45.7

215 49.2 28.7 68.7



#70

Pentachlorophenol

Concen: 6.863 ng

RT: 16.834 min Scan# 2337

Delta R.T. -0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

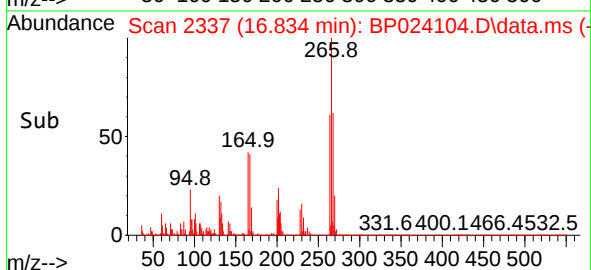
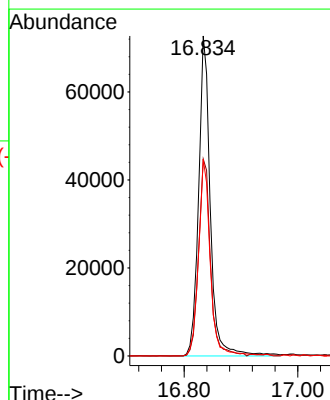
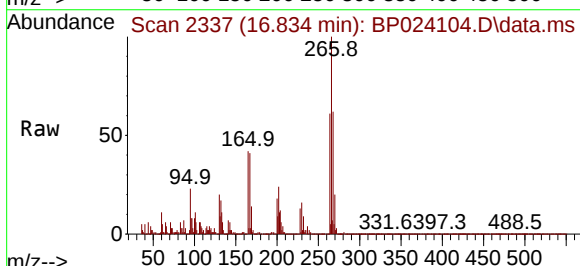
Tgt Ion:266 Resp: 104486

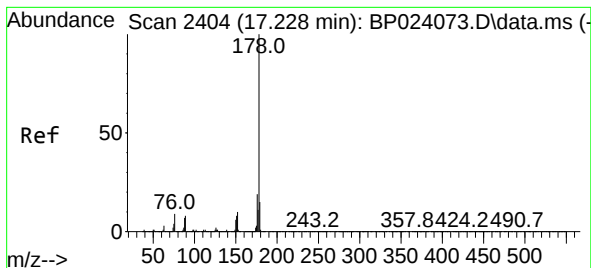
Ion Ratio Lower Upper

266 100

268 61.6 51.3 76.9

264 61.4 50.5 75.7





#71

Phenanthrene

Concen: 9.801 ng

RT: 17.234 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

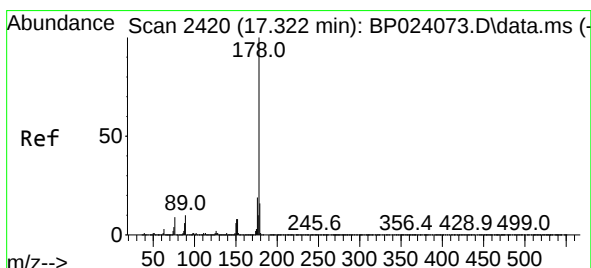
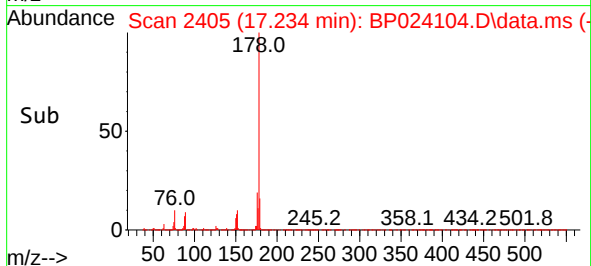
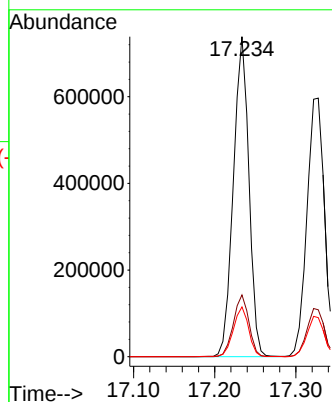
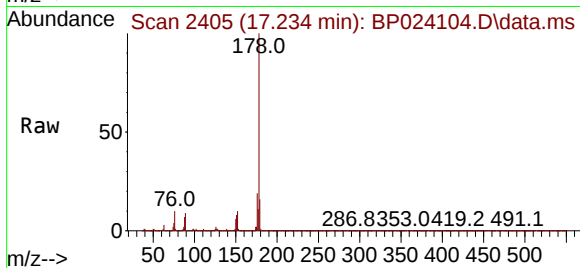
Tgt Ion:178 Resp: 980269

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.6 12.4 18.6



#72

Anthracene

Concen: 9.430 ng

RT: 17.328 min Scan# 2421

Delta R.T. 0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

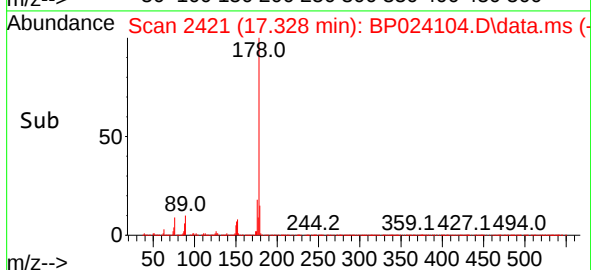
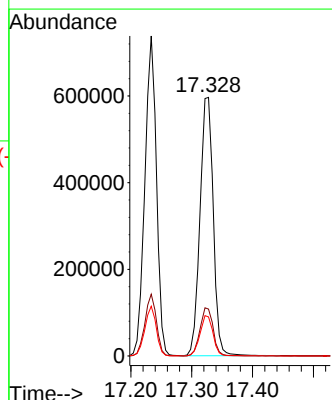
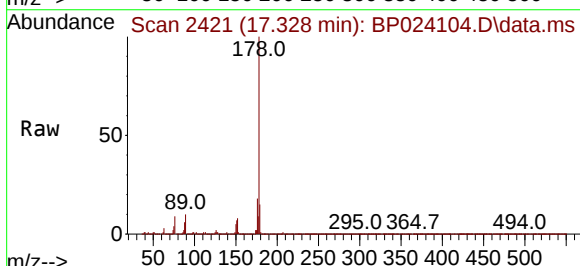
Tgt Ion:178 Resp: 903850

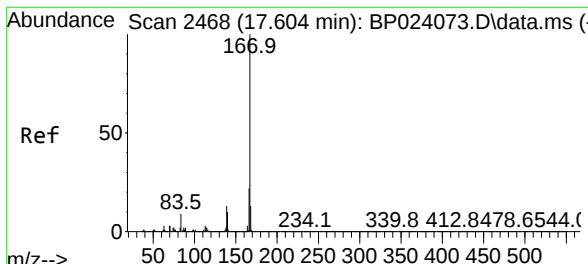
Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

179 15.1 12.6 19.0

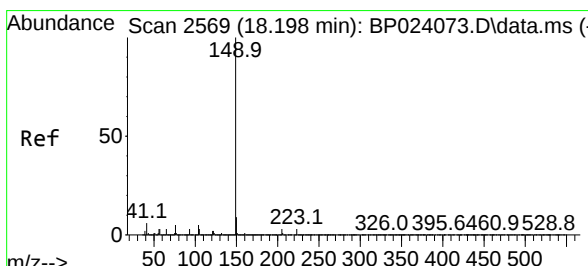
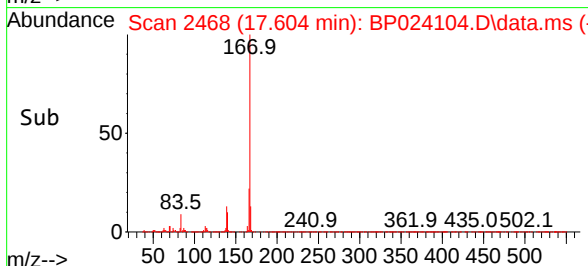
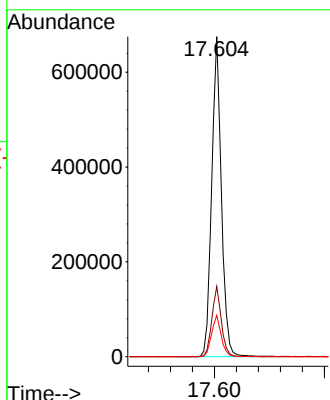
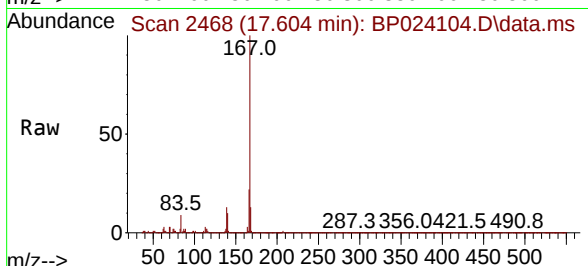




#73
 Carbazole
 Concen: 9.033 ng
 RT: 17.604 min Scan# 2468
 Delta R.T. 0.000 min
 Lab File: BP024104.D
 Acq: 20 Feb 2025 11:44

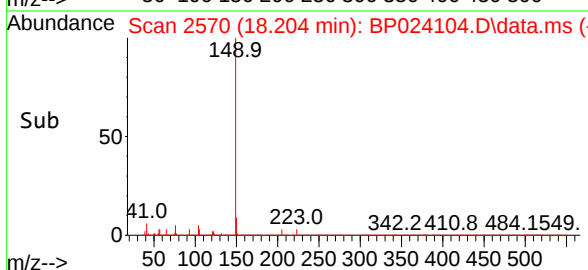
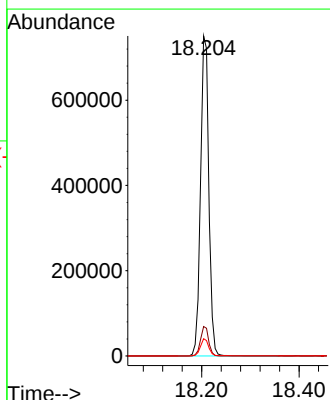
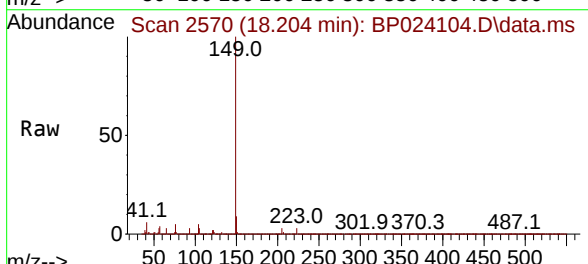
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

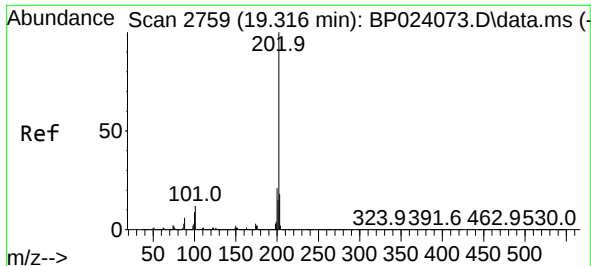
Tgt Ion:	167	Resp:	824890
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	12.9	10.3	15.5



#74
 Di-n-butylphthalate
 Concen: 8.305 ng
 RT: 18.204 min Scan# 2570
 Delta R.T. 0.006 min
 Lab File: BP024104.D
 Acq: 20 Feb 2025 11:44

Tgt Ion:	149	Resp:	884923
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.4	4.2	6.2

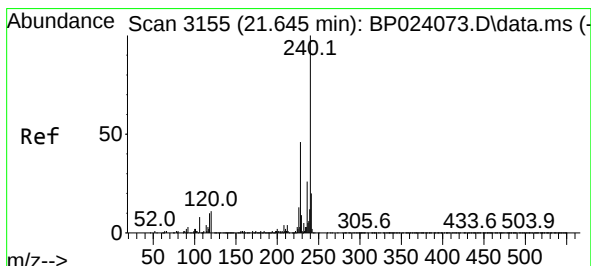
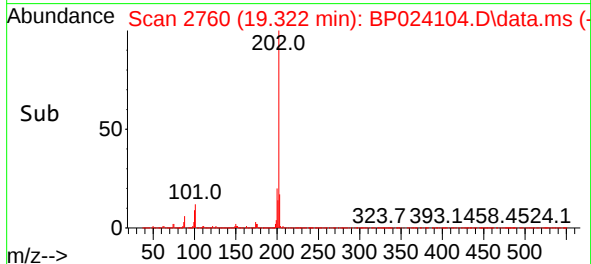
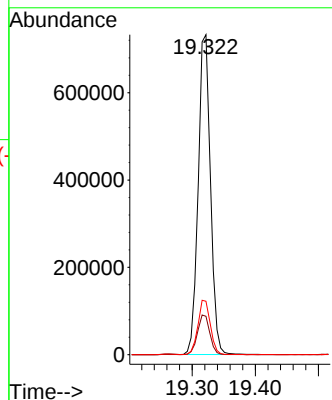
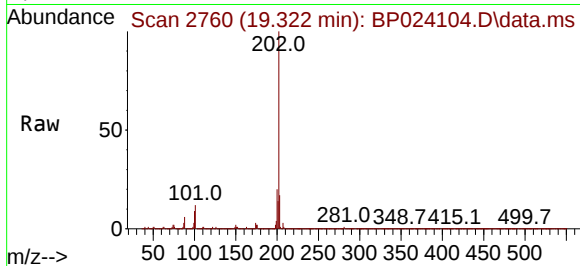




#75
Fluoranthene
Concen: 8.730 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

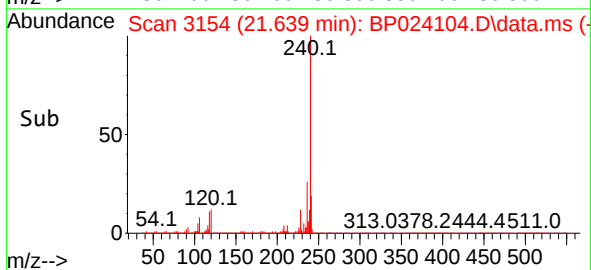
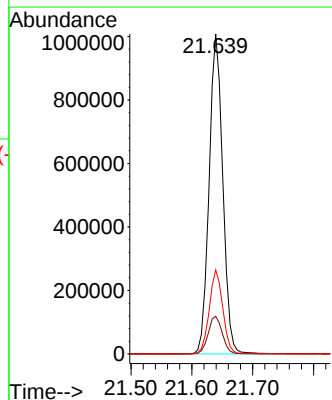
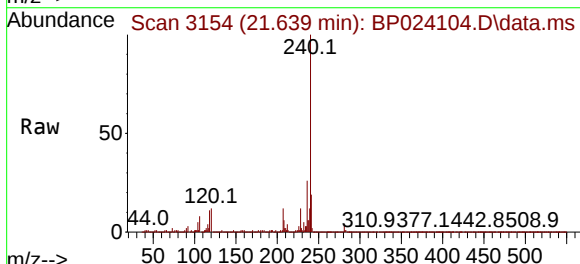
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

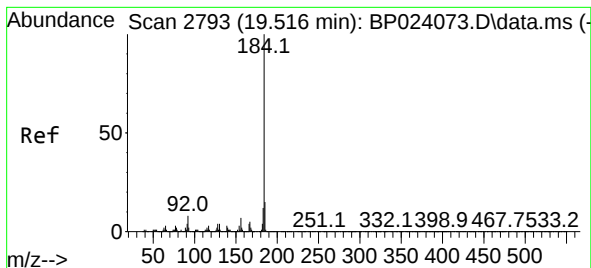
Tgt Ion:202 Resp: 987582
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.9
203 16.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:240 Resp: 1570745
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 26.2 20.7 31.1





#77

Benzidine

Concen: 13.940 ng

RT: 19.516 min Scan# 2793

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

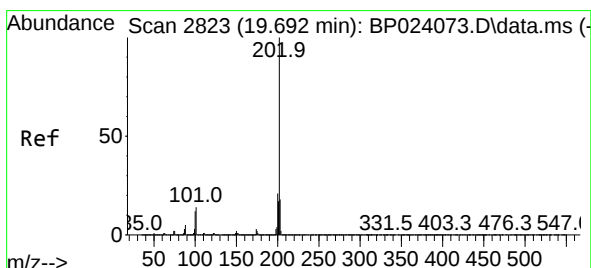
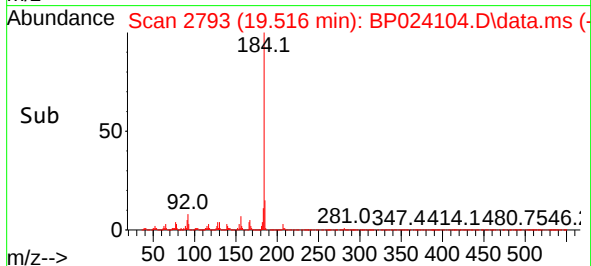
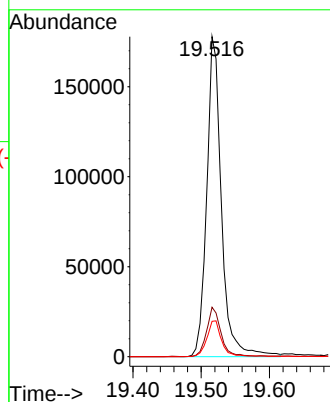
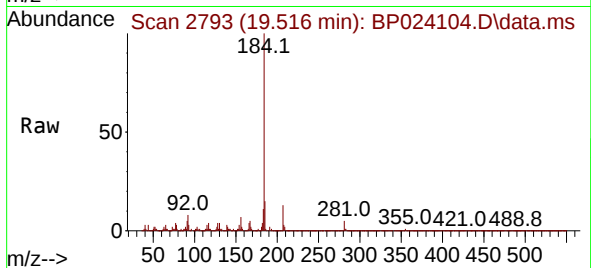
Tgt Ion:184 Resp: 266818

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.8

183 11.1 9.3 13.9



#78

Pyrene

Concen: 10.524 ng

RT: 19.692 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

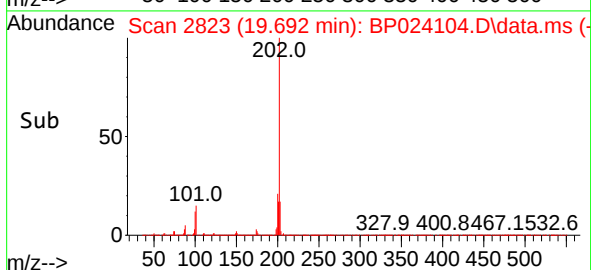
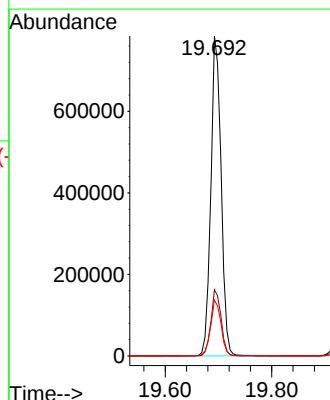
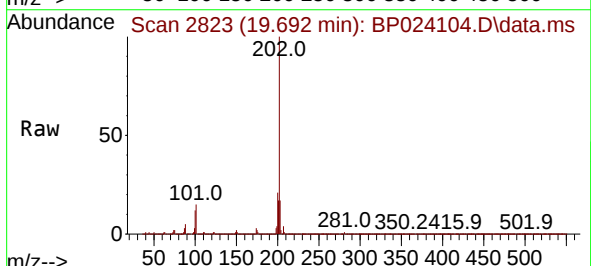
Tgt Ion:202 Resp: 1050053

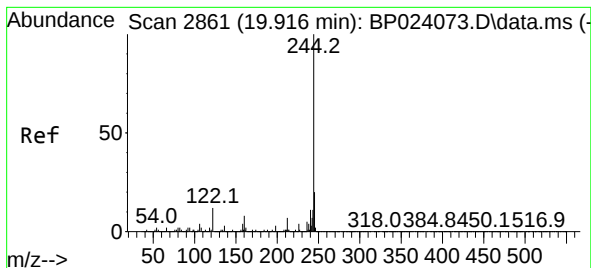
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 92.804 ng

RT: 19.916 min Scan# 2861

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

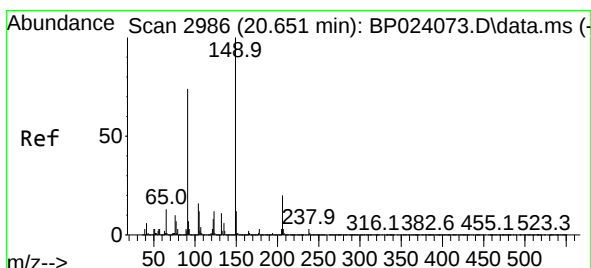
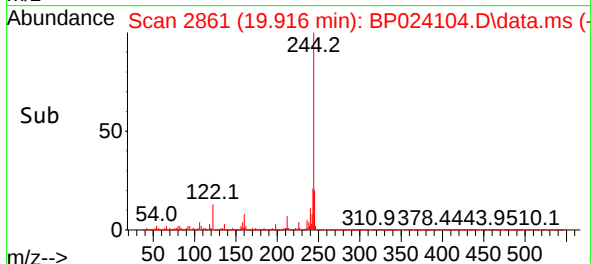
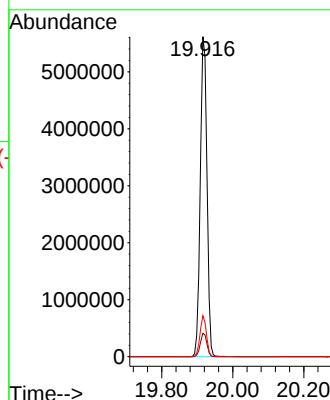
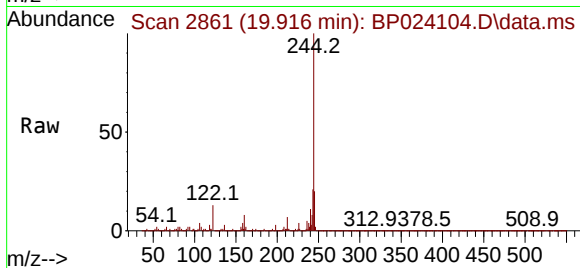
Tgt Ion:244 Resp: 7366829

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 12.8 9.4 14.2



#80

Butylbenzylphthalate

Concen: 8.453 ng

RT: 20.651 min Scan# 2986

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

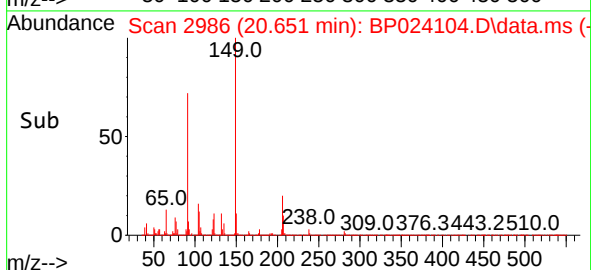
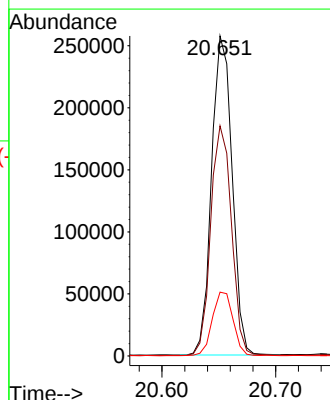
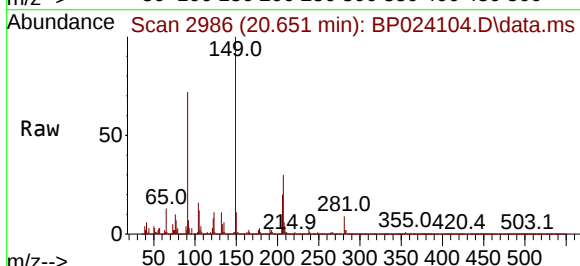
Tgt Ion:149 Resp: 323164

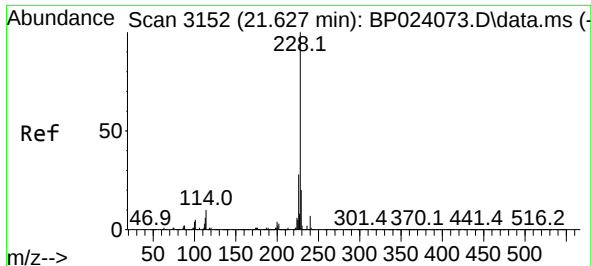
Ion Ratio Lower Upper

149 100

91 71.9 59.4 89.0

206 20.0 16.2 24.2

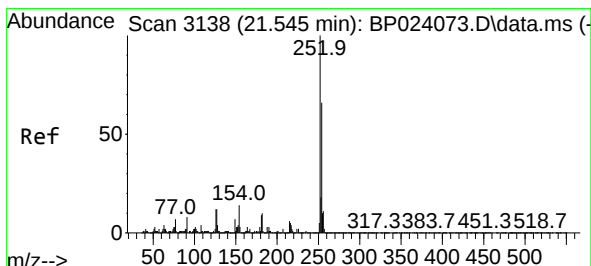
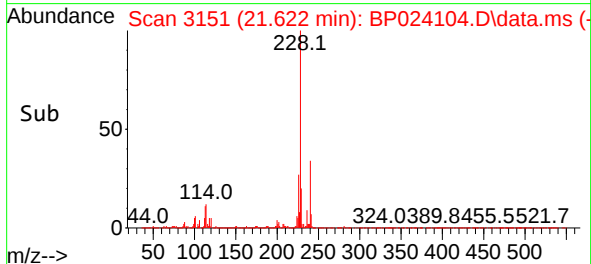
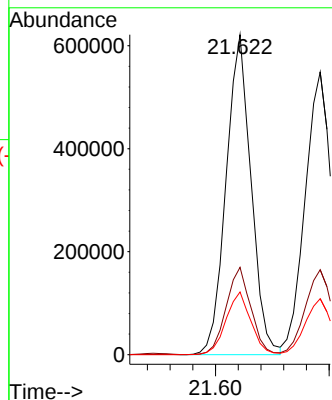
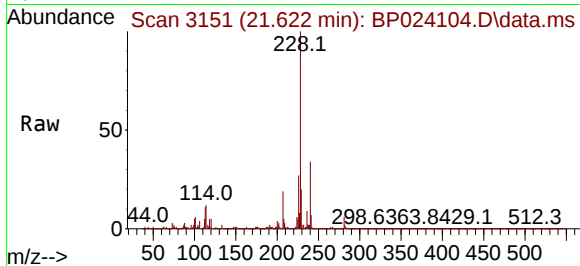




#81
Benzo(a)anthracene
Concen: 9.642 ng
RT: 21.622 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

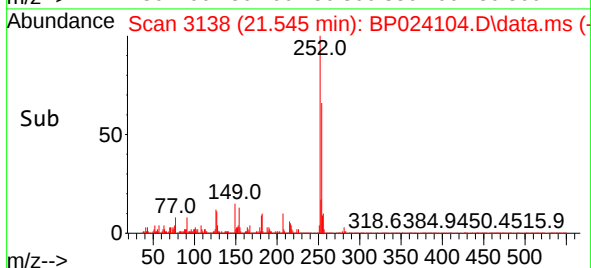
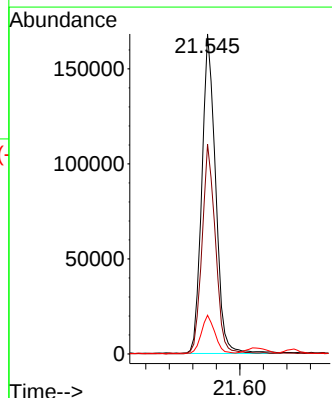
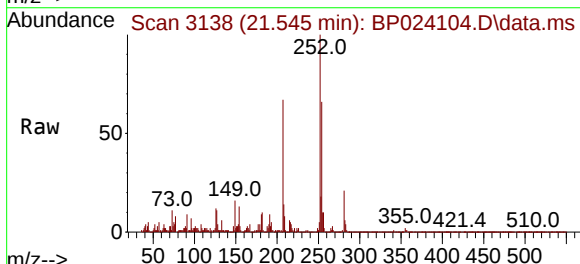
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

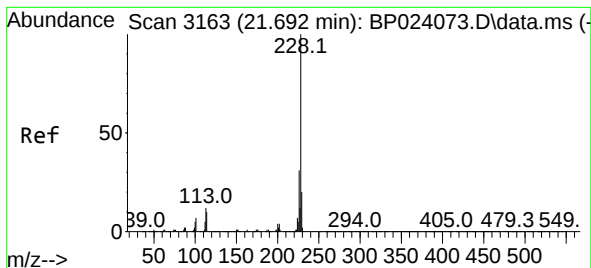
Tgt Ion:228 Resp: 949680
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.6 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 8.913 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:252 Resp: 274313
Ion Ratio Lower Upper
252 100
254 65.6 52.4 78.6
126 12.1 9.6 14.4





#83

Chrysene

Concen: 9.607 ng

RT: 21.692 min Scan# 3163

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

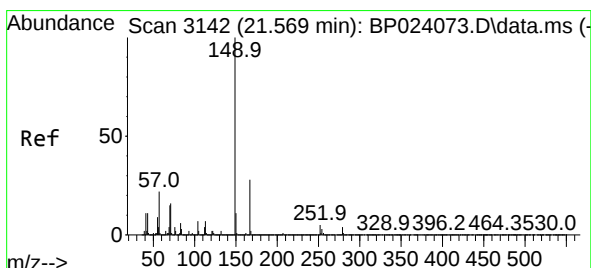
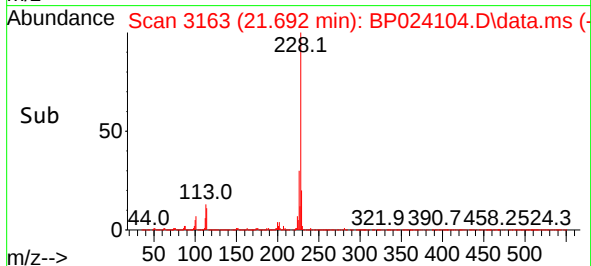
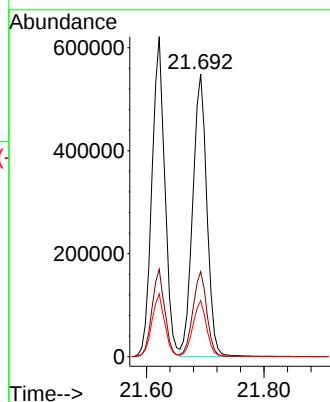
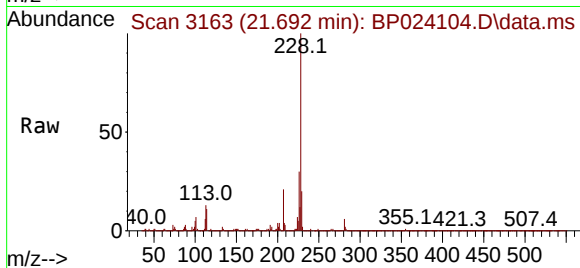
Tgt Ion:228 Resp: 912451

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 19.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.197 ng

RT: 21.563 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

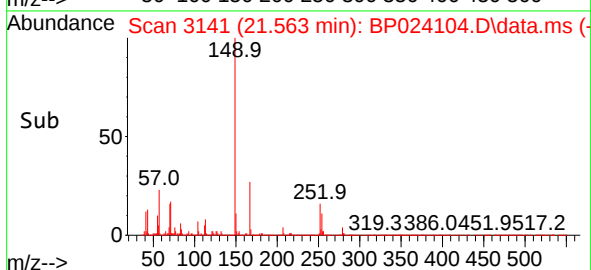
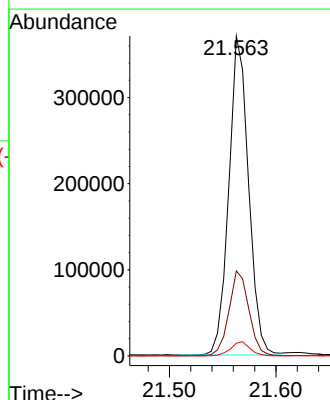
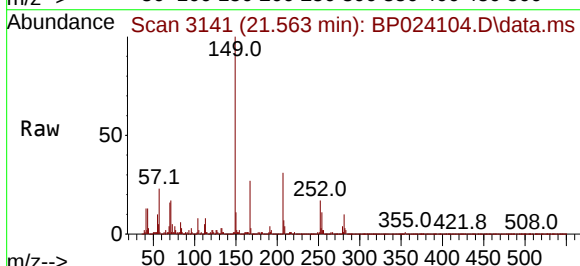
Tgt Ion:149 Resp: 475243

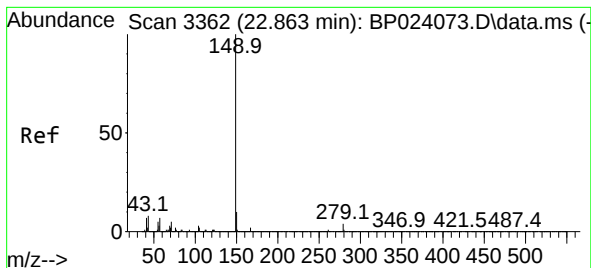
Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.2

279 4.0 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 6.993 ng

RT: 22.857 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

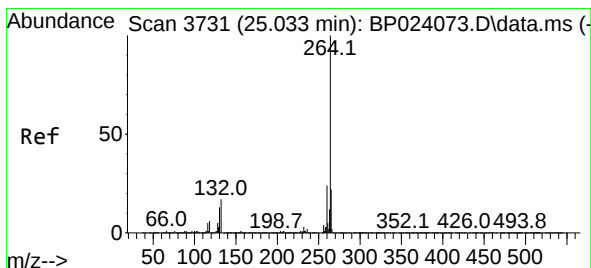
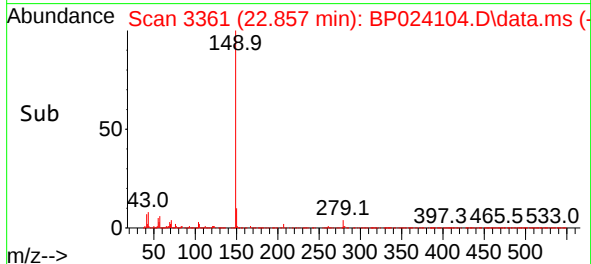
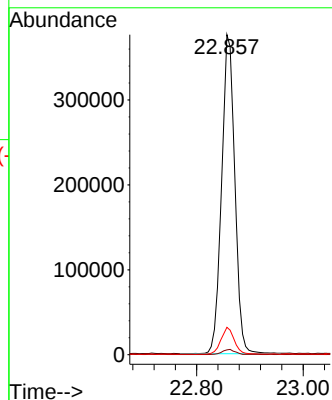
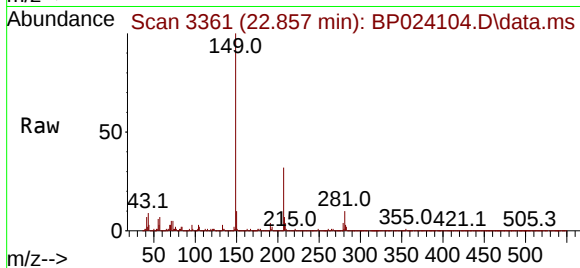
Tgt Ion:149 Resp: 648040

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.4 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.033 min Scan# 3731

Delta R.T. 0.000 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

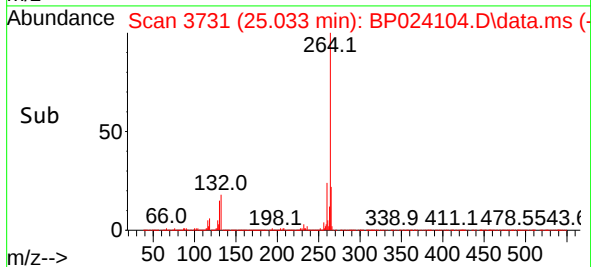
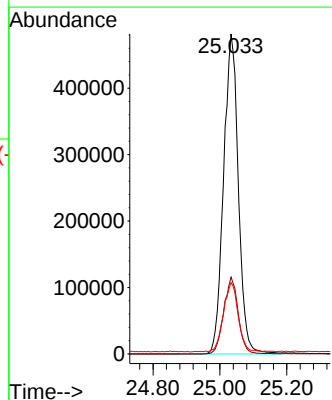
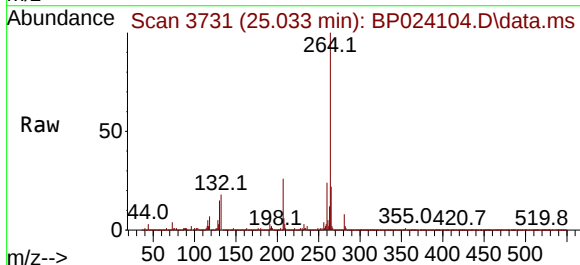
Tgt Ion:264 Resp: 1477124

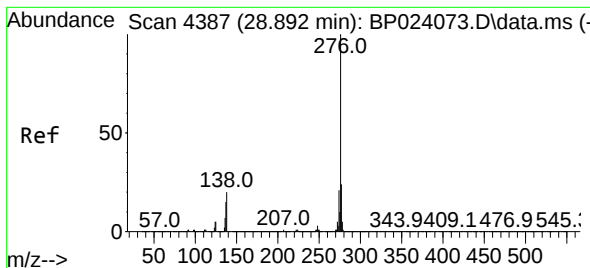
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.849 ng

RT: 28.851 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

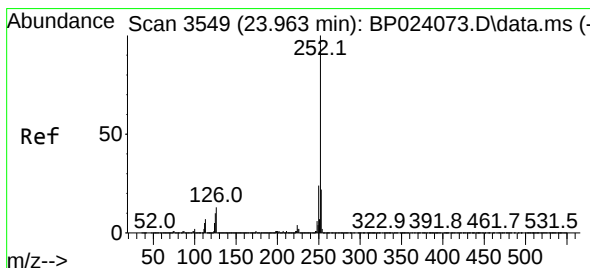
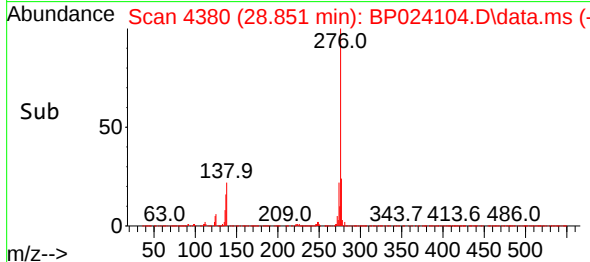
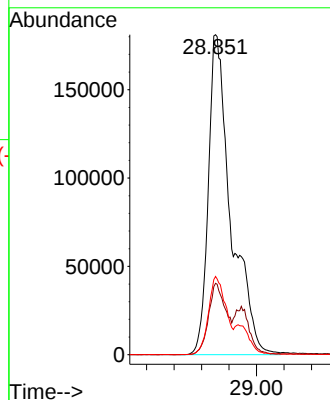
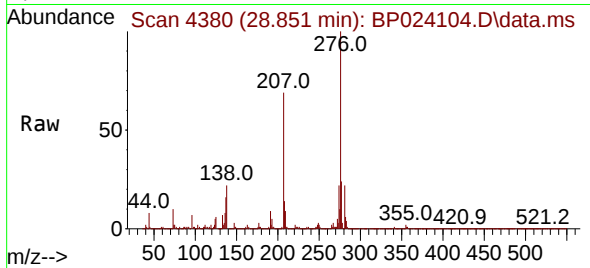
Tgt Ion:276 Resp: 1034989

Ion Ratio Lower Upper

276 100

138 17.1 14.2 21.4

277 19.1 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 9.077 ng

RT: 23.945 min Scan# 3546

Delta R.T. -0.018 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

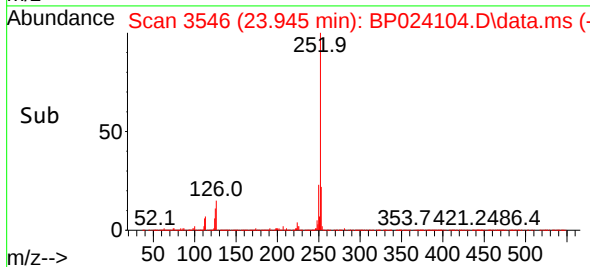
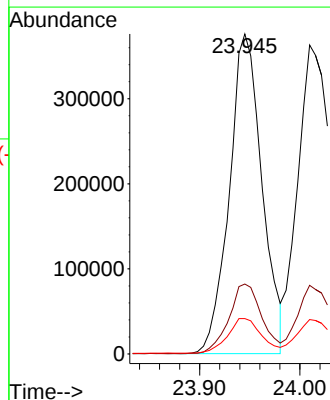
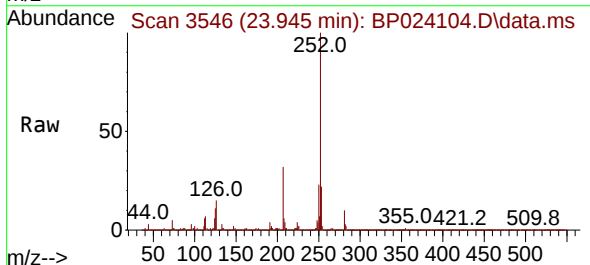
Tgt Ion:252 Resp: 851402

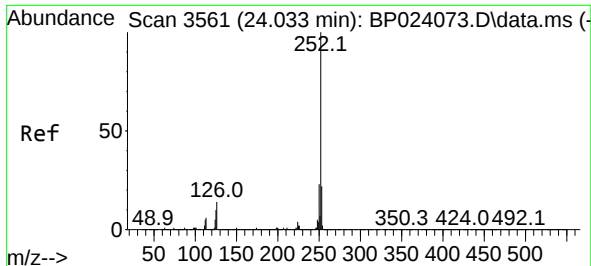
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 11.1 8.4 12.6

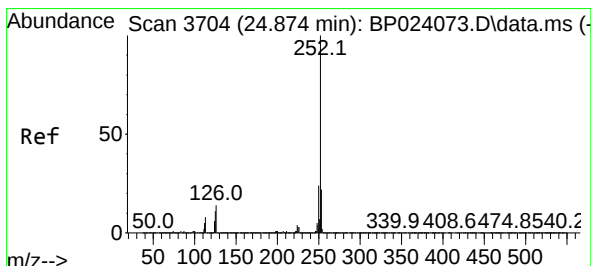
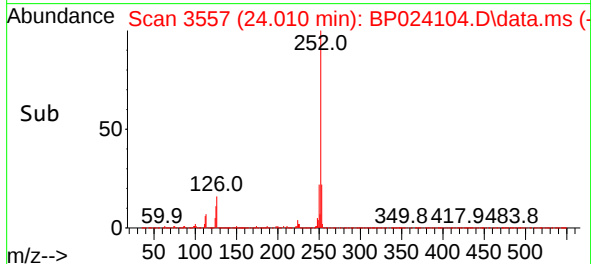
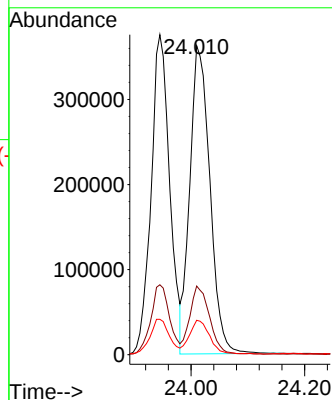
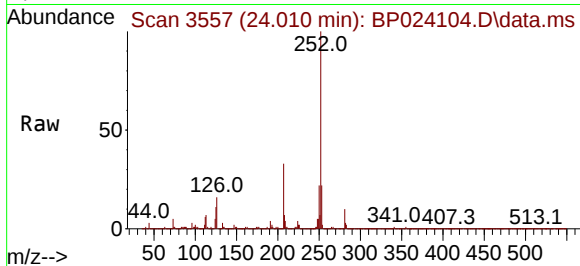




#89
Benzo(k)fluoranthene
Concen: 9.752 ng
RT: 24.010 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

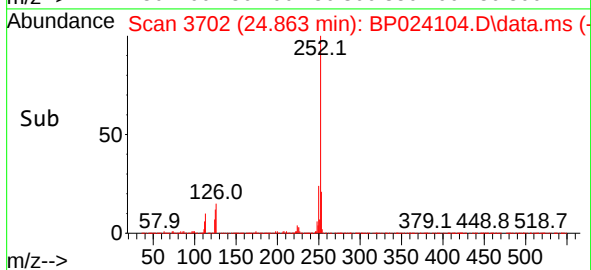
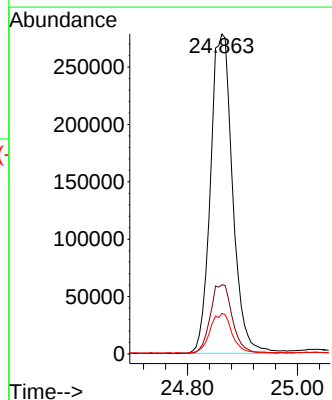
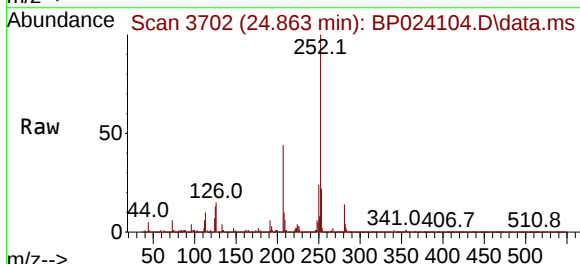
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2025

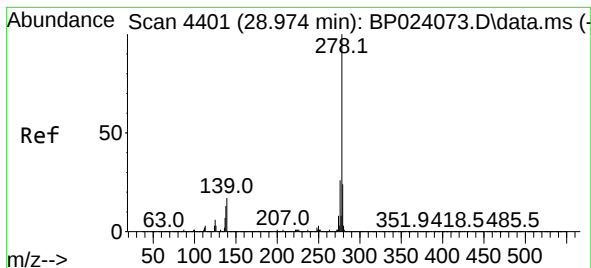
Tgt Ion:252 Resp: 890408
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.1 8.1 12.1



#90
Benzo(a)pyrene
Concen: 9.745 ng
RT: 24.863 min Scan# 3702
Delta R.T. -0.012 min
Lab File: BP024104.D
Acq: 20 Feb 2025 11:44

Tgt Ion:252 Resp: 775717
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 12.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 9.830 ng

RT: 28.951 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2025

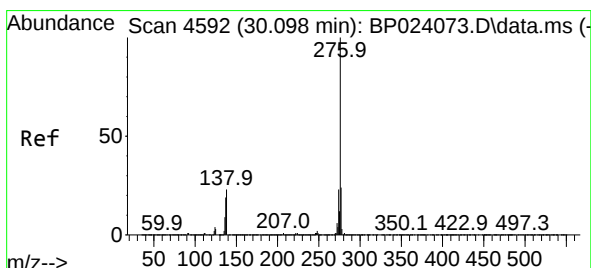
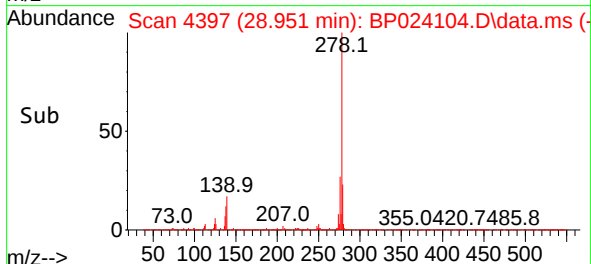
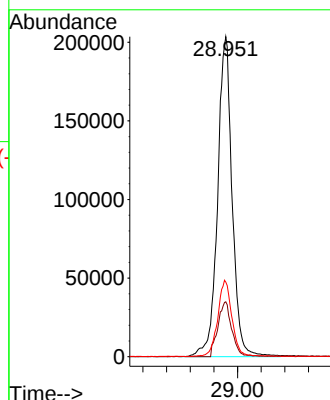
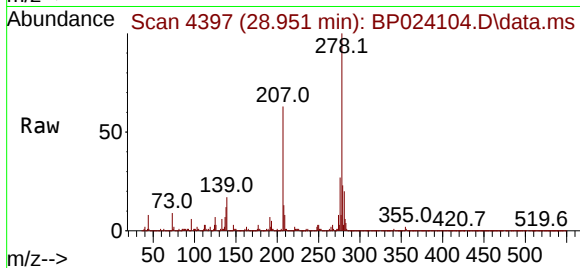
Tgt Ion:278 Resp: 868532

Ion Ratio Lower Upper

278 100

139 17.2 13.4 20.0

279 23.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 8.873 ng

RT: 30.045 min Scan# 4583

Delta R.T. -0.053 min

Lab File: BP024104.D

Acq: 20 Feb 2025 11:44

Tgt Ion:276 Resp: 795562

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 22.8 18.1 27.1

