

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024084.D
 Acq On : 18 Feb 2025 14:34
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 18 15:07:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	357861	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1531711	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	952631	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1749717	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1475565	20.000	ng	0.00
86) Perylene-d12	25.039	264	1355182	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3034258	132.301	ng	0.00
7) Phenol-d6	6.946	99	4126248	139.982	ng	0.00
23) Nitrobenzene-d5	8.905	82	2094712	76.295	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1625451	139.300	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	5019879	73.667	ng	0.00
79) Terphenyl-d14	19.922	244	6170236	82.743	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	47705	5.302	ng	98
3) Pyridine	3.717	79	105337	4.503	ng	96
4) n-Nitrosodimethylamine	3.617	42	42144	5.079	ng	# 88
6) Aniline	7.099	93	164435	6.091	ng	98
8) 2-Chlorophenol	7.334	128	125706	5.178	ng	97
9) Benzaldehyde	6.911	77	111366	8.275	ng	97
10) Phenol	6.969	94	157067	5.299	ng	94
11) bis(2-Chloroethyl)ether	7.193	93	123894	5.307	ng	98
12) 1,3-Dichlorobenzene	7.652	146	138871	5.207	ng	96
13) 1,4-Dichlorobenzene	7.793	146	140942	5.226	ng	98
14) 1,2-Dichlorobenzene	8.110	146	135337	5.229	ng	99
15) Benzyl Alcohol	7.999	79	89920	4.984	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.275	45	134465	5.933	ng	98
17) 2-Methylphenol	8.205	107	87647	4.852	ng	98
18) Hexachloroethane	8.834	117	51582	5.311	ng	98
19) n-Nitroso-di-n-propyla...	8.557	70	88590	5.590	ng	96
20) 3+4-Methylphenols	8.528	107	118398	4.818	ng	100
22) Acetophenone	8.575	105	202044	5.133	ng	# 98
24) Nitrobenzene	8.946	77	152405	5.640	ng	96
25) Isophorone	9.469	82	238720	5.317	ng	98
26) 2-Nitrophenol	9.657	139	48890	3.927	ng	# 93
27) 2,4-Dimethylphenol	9.716	122	81306	4.976	ng	98
28) bis(2-Chloroethoxy)met...	9.952	93	163499	5.027	ng	98
29) 2,4-Dichlorophenol	10.193	162	90383	4.053	ng	98
30) 1,2,4-Trichlorobenzene	10.399	180	121636	4.761	ng	100
31) Naphthalene	10.587	128	410914	4.989	ng	99
32) Benzoic acid	9.793	122	35429	9.232	ng	94
33) 4-Chloroaniline	10.699	127	147118	5.071	ng	99
34) Hexachlorobutadiene	10.875	225	72350	4.889	ng	98
35) Caprolactam	11.475	113	24450	8.451	ng	97
36) 4-Chloro-3-methylphenol	11.828	107	96112	4.192	ng	94
37) 2-Methylnaphthalene	12.198	142	272373	4.976	ng	99
38) 1-Methylnaphthalene	12.416	142	257632	4.838	ng	99
40) 1,2,4,5-Tetrachloroben...	12.569	216	139927	4.781	ng	99
41) Hexachlorocyclopentadiene	12.551	237	55531	5.098	ng	98
43) 2,4,6-Trichlorophenol	12.810	196	68064	3.813	ng	98

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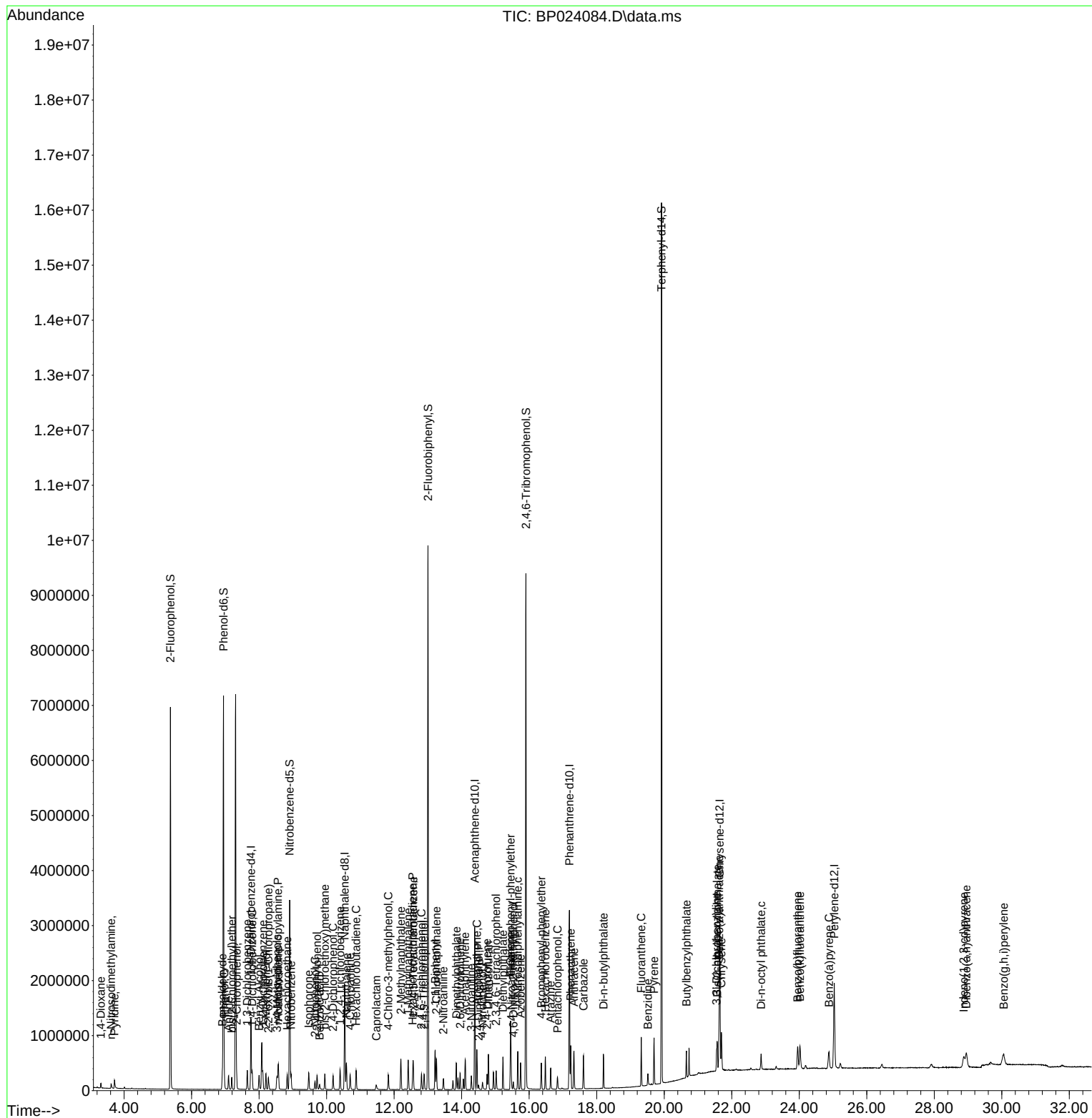
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44) 2,4,5-Trichlorophenol	12.887	196	76763	3.932	ng	96
46) 1,1'-Biphenyl	13.216	154	377416	5.098	ng	99
47) 2-Chloronaphthalene	13.251	162	272535	4.870	ng	98
48) 2-Nitroaniline	13.457	65	54646	4.134	ng	94
49) Acenaphthylene	14.104	152	400154	4.853	ng	100
50) Dimethylphthalate	13.845	163	323338	4.812	ng	100
51) 2,6-Dinitrotoluene	13.957	165	59275	4.330	ng	99
52) Acenaphthene	14.451	154	260263	4.902	ng	98
53) 3-Nitroaniline	14.287	138	58652	4.015	ng #	87
54) 2,4-Dinitrophenol	14.504	184	18322	9.612	ng	95
55) Dibenzofuran	14.792	168	419479	4.864	ng	98
56) 4-Nitrophenol	14.616	139	38459	3.048	ng	93
57) 2,4-Dinitrotoluene	14.751	165	69114	3.887	ng	88
58) Fluorene	15.451	166	317297	4.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.022	232	69849	4.124	ng	98
60) Diethylphthalate	15.222	149	310431	4.654	ng	97
61) 4-Chlorophenyl-phenyle...	15.451	204	157334	4.745	ng	98
62) 4-Nitroaniline	15.469	138	54710	6.235	ng	92
63) Azobenzene	15.745	77	288371	4.613	ng	96
65) 4,6-Dinitro-2-methylph...	15.534	198	27728	8.167	ng	95
66) n-Nitrosodiphenylamine	15.663	169	257749	4.724	ng	98
67) 4-Bromophenyl-phenylether	16.363	248	90387	4.600	ng	96
68) Hexachlorobenzene	16.481	284	112811	4.879	ng	99
69) Atrazine	16.639	200	73352	5.238	ng	99
70) Pentachlorophenol	16.839	266	41657	2.774	ng	96
71) Phenanthrene	17.228	178	481660	4.883	ng	99
72) Anthracene	17.328	178	438349	4.637	ng	99
73) Carbazole	17.610	167	390703	4.338	ng	100
74) Di-n-butylphthalate	18.198	149	409372	3.895	ng	99
75) Fluoranthene	19.322	202	471168	4.223	ng	100
77) Benzidine	19.516	184	133547	7.427	ng	99
78) Pyrene	19.698	202	498449	5.318	ng	99
80) Butylbenzylphthalate	20.657	149	138322	3.851	ng	95
81) Benzo(a)anthracene	21.627	228	447962	4.842	ng	99
82) 3,3'-Dichlorobenzidine	21.551	252	109986	3.804	ng	99
83) Chrysene	21.692	228	430082	4.820	ng	99
84) Bis(2-ethylhexyl)phtha...	21.569	149	188705	3.465	ng	96
85) Di-n-octyl phthalate	22.868	149	231446	2.659	ng	97
87) Indeno(1,2,3-cd)pyrene	28.874	276	423634	4.394	ng	98
88) Benzo(b)fluoranthene	23.951	252	377257	4.384	ng	98
89) Benzo(k)fluoranthene	24.021	252	391597	4.675	ng	98
90) Benzo(a)pyrene	24.880	252	330916	4.531	ng	98
91) Dibenzo(a,h)anthracene	28.951	278	357185	4.406	ng	99
92) Benzo(g,h,i)perylene	30.056	276	375982	4.571	ng	97

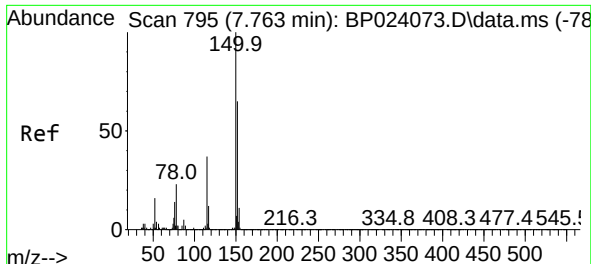
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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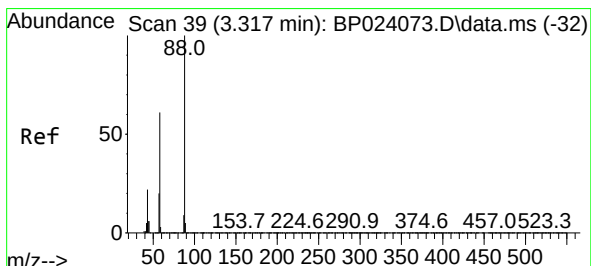
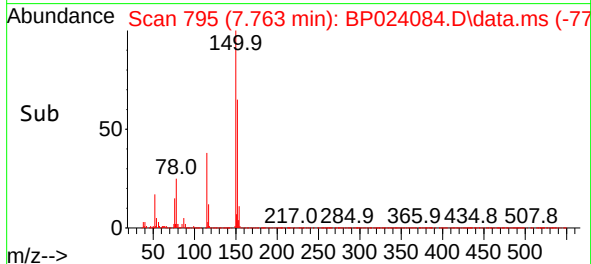
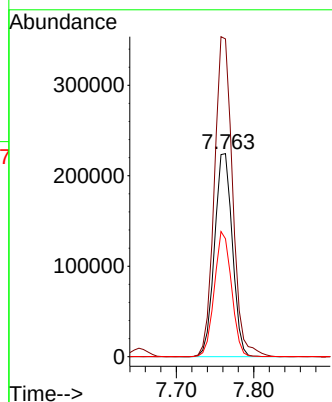
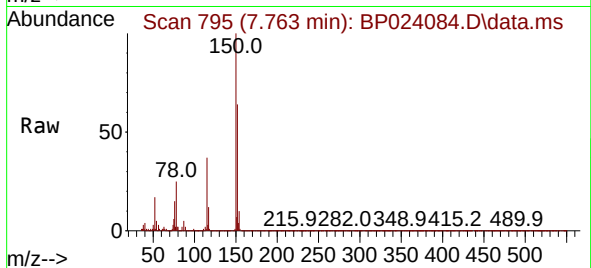




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BP024084.D
 Acq: 18 Feb 2025 14:34

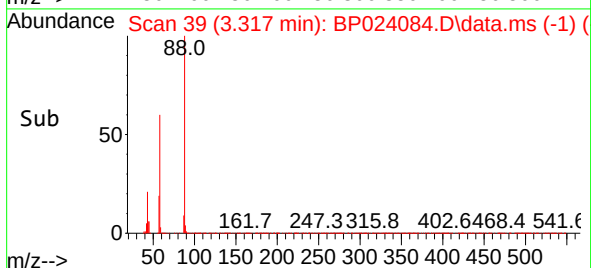
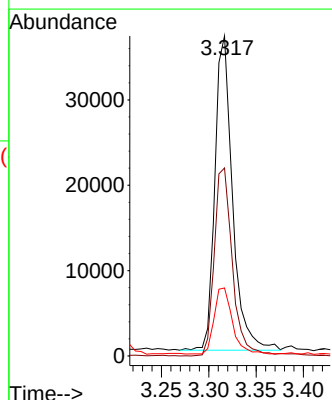
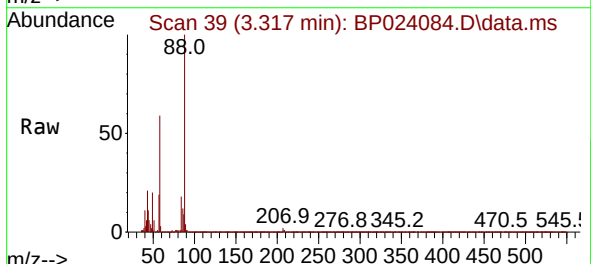
Instrument :
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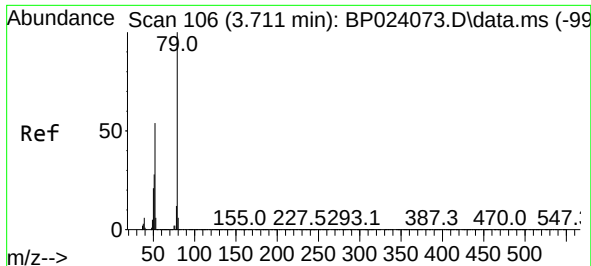
Tgt Ion:152 Resp: 357861
 Ion Ratio Lower Upper
 152 100
 150 156.5 122.4 183.6
 115 58.1 45.0 67.6



#2
 1,4-Dioxane
 Concen: 5.302 ng
 RT: 3.317 min Scan# 39
 Delta R.T. -0.000 min
 Lab File: BP024084.D
 Acq: 18 Feb 2025 14:34

Tgt Ion: 88 Resp: 47705
 Ion Ratio Lower Upper
 88 100
 58 62.5 49.1 73.7
 43 21.5 18.0 27.0

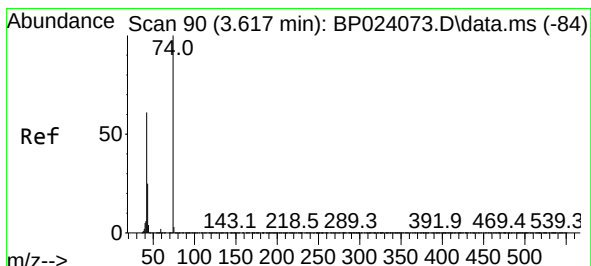
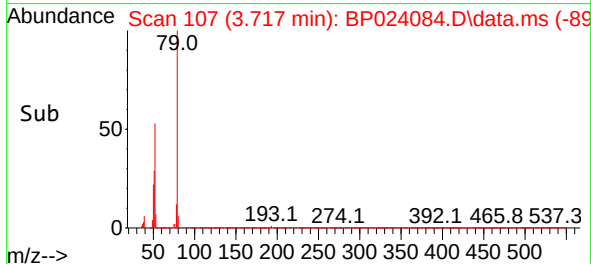
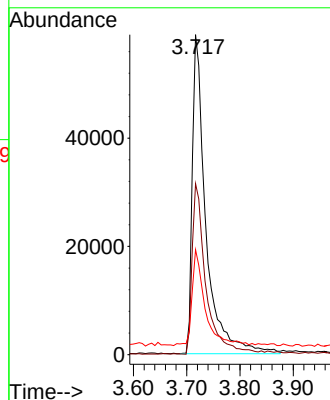
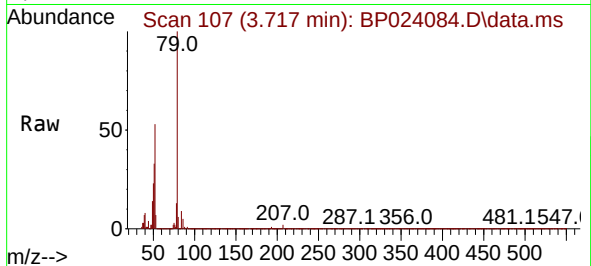




#3
Pyridine
Concen: 4.503 ng
RT: 3.717 min Scan# 106
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

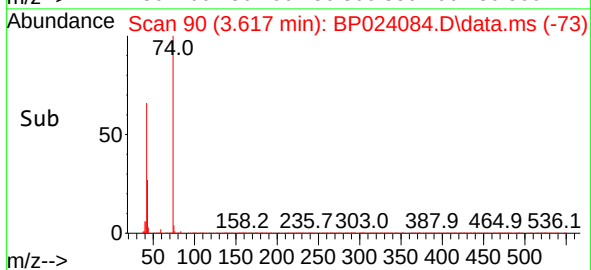
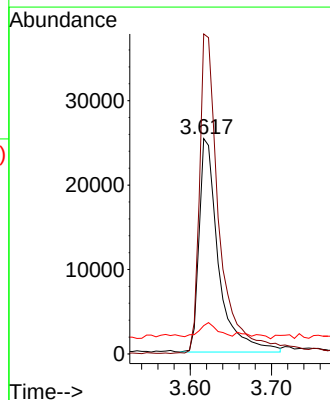
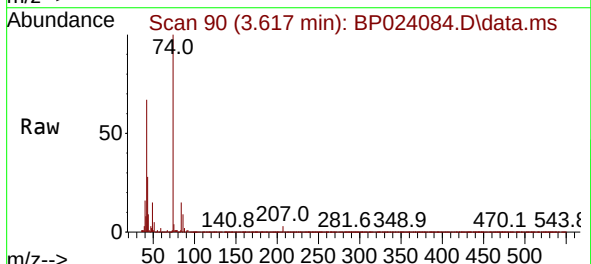
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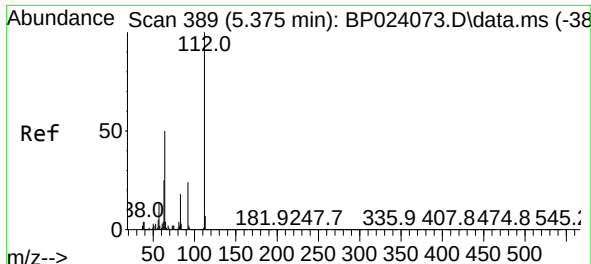
Tgt Ion: 79 Resp: 105337
Ion Ratio Lower Upper
79 100
52 53.5 43.5 65.3
51 32.8 22.2 33.4



#4
n-Nitrosodimethylamine
Concen: 5.079 ng
RT: 3.617 min Scan# 90
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion: 42 Resp: 42144
Ion Ratio Lower Upper
42 100
74 148.6 132.0 198.0
44 13.2 5.3 7.9

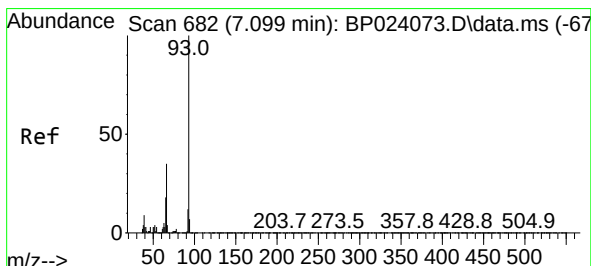
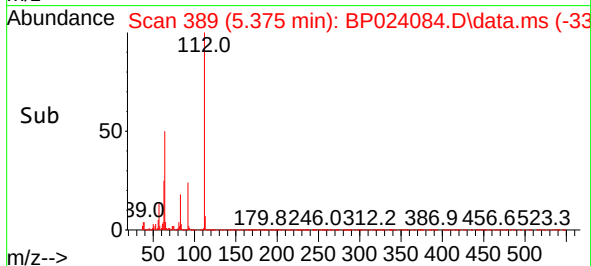
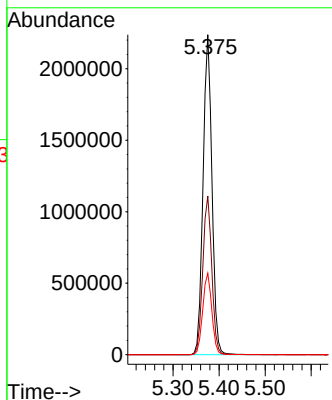
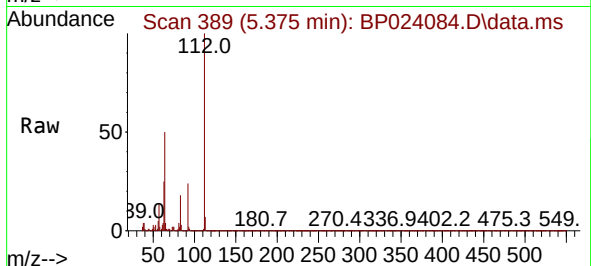




#5
2-Fluorophenol
Concen: 132.301 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

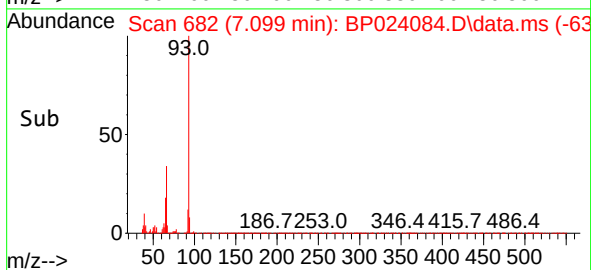
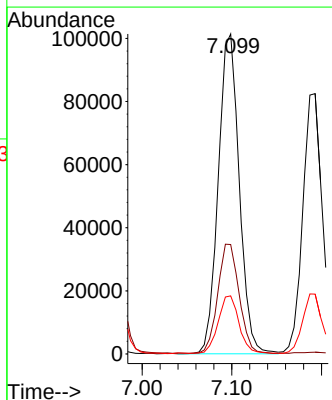
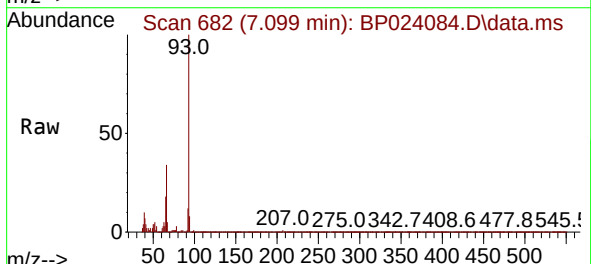
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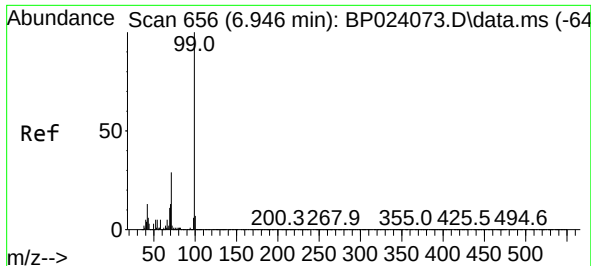
Tgt Ion:112 Resp: 3034258
Ion Ratio Lower Upper
112 100
64 49.6 39.6 59.4
63 25.4 20.3 30.5



#6
Aniline
Concen: 6.091 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.000 min
Lab File: BP024084.D
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Tgt Ion: 93 Resp: 164435
Ion Ratio Lower Upper
93 100
66 34.2 28.2 42.4
65 18.2 14.1 21.1



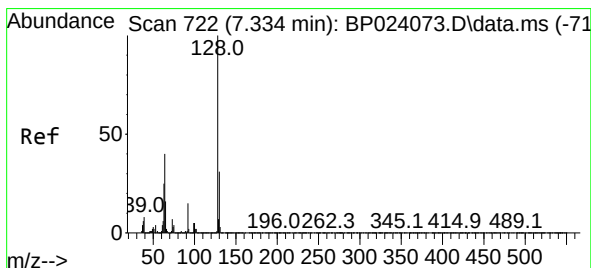
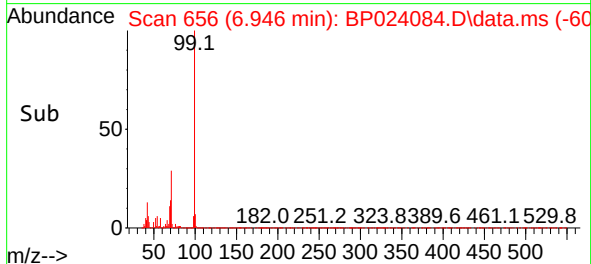
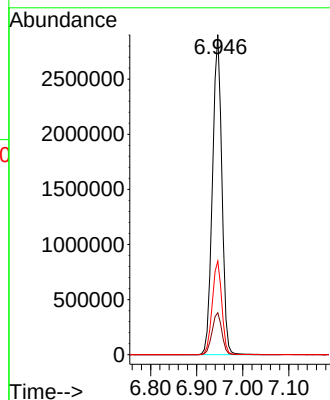
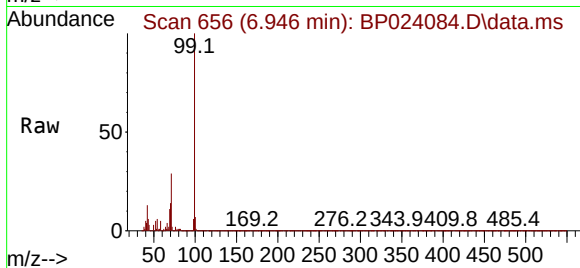


#7
Phenol-d6
Concen: 139.982 ng
RT: 6.946 min Scan# 610
Delta R.T. -0.000 min
Lab File: BP024084.D
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ClientSampleId :
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Tgt Ion: 99 Resp: 4126248

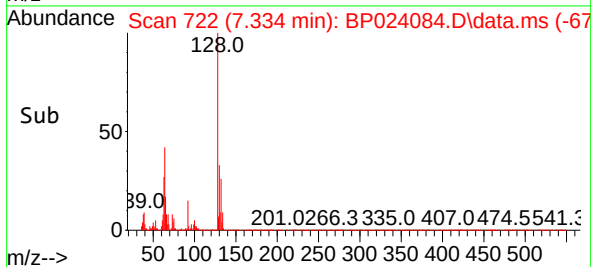
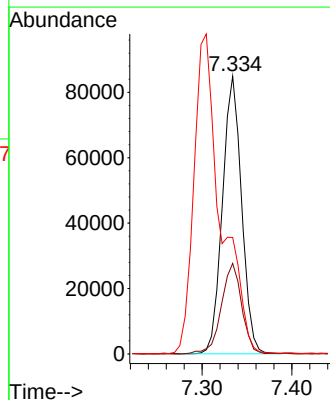
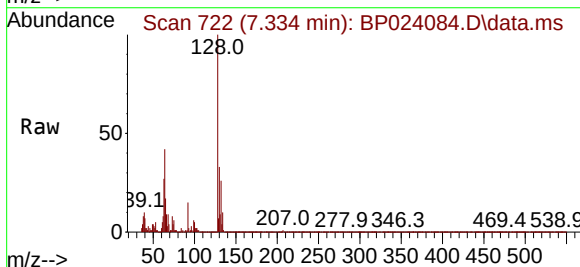
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.3	15.5
71	29.2	22.9	34.3

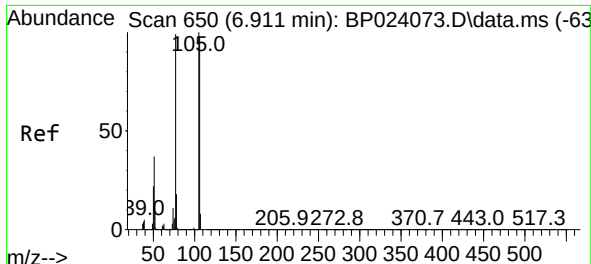


#8
2-Chlorophenol
Concen: 5.178 ng
RT: 7.334 min Scan# 722
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion: 128 Resp: 125706

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.5	51.5
64	41.9	19.8	59.8

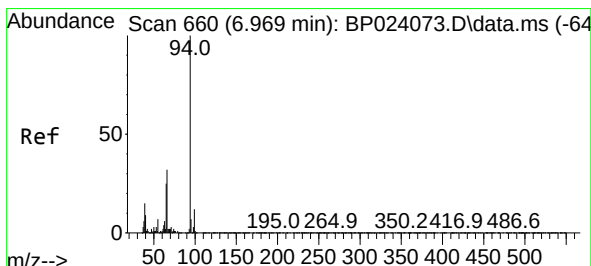
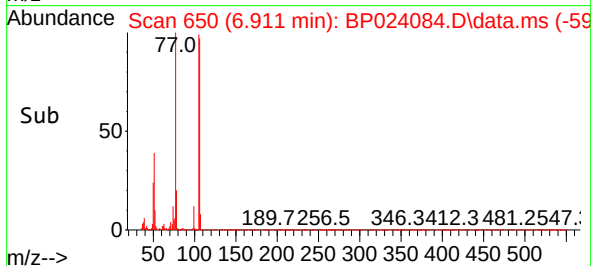
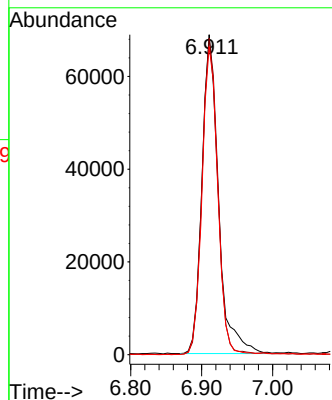
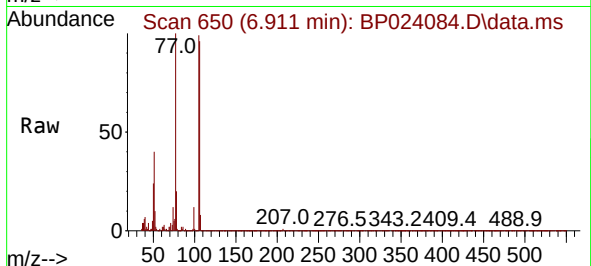




#9
Benzaldehyde
Concen: 8.275 ng
RT: 6.911 min Scan# 611
Delta R.T. -0.000 min
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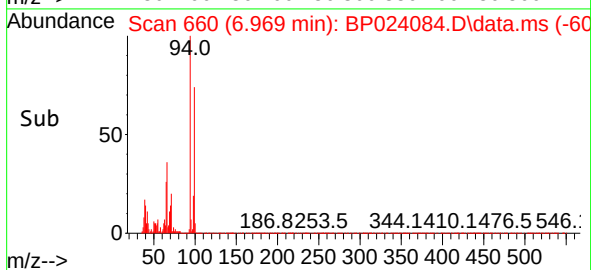
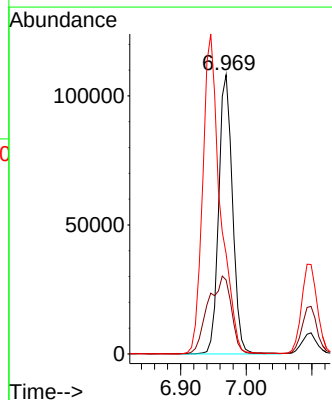
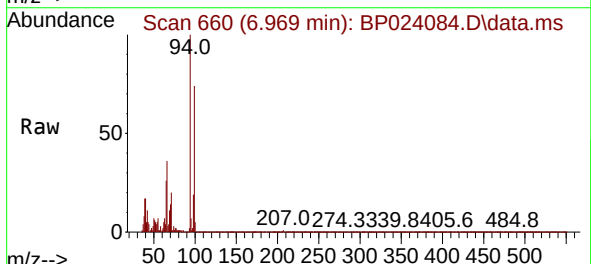
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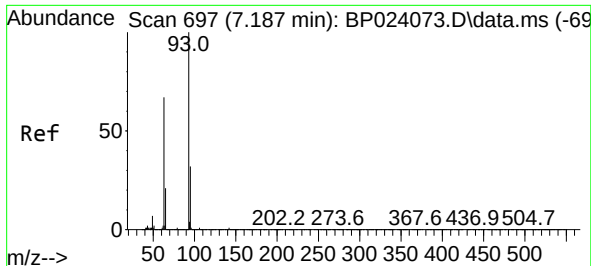
Tgt Ion: 77 Resp: 111366
Ion Ratio Lower Upper
77 100
105 99.0 81.4 121.4
106 96.3 79.0 119.0



#10
Phenol
Concen: 5.299 ng
RT: 6.969 min Scan# 660
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion: 94 Resp: 157067
Ion Ratio Lower Upper
94 100
65 26.5 5.0 45.0
66 35.9 11.6 51.6

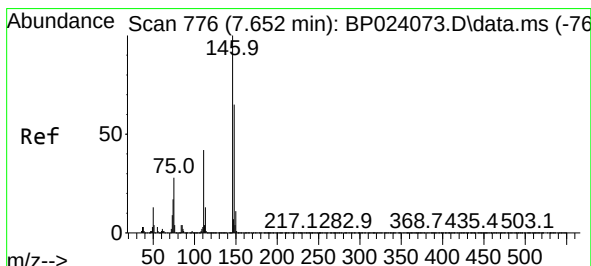
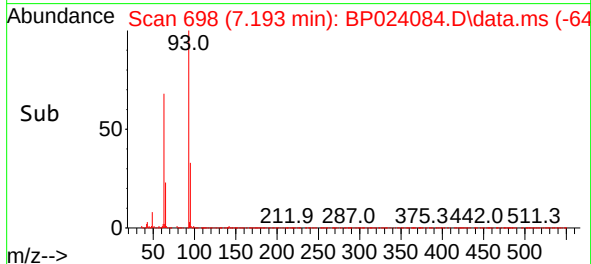
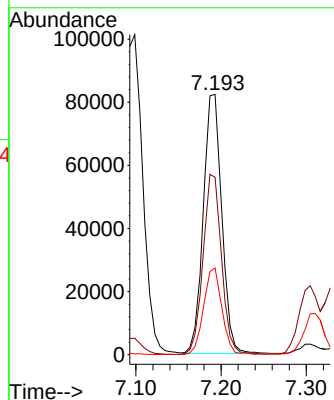
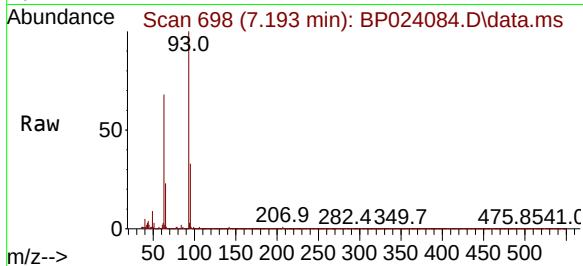




#11
bis(2-Chloroethyl)ether
Concen: 5.307 ng
RT: 7.193 min Scan# 697
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

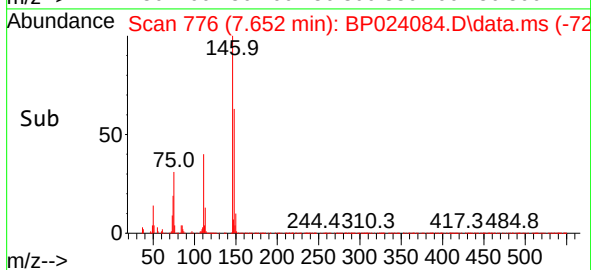
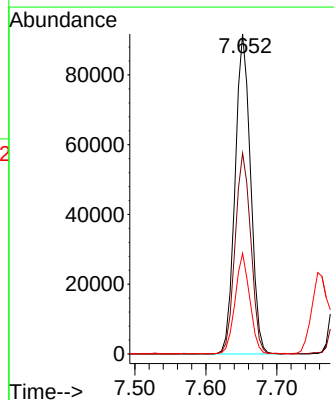
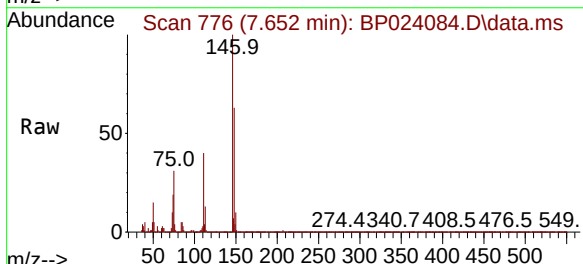
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

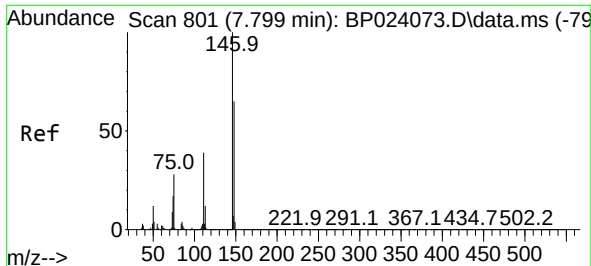
Tgt Ion: 93 Resp: 123894
Ion Ratio Lower Upper
93 100
63 68.2 46.5 86.5
95 33.3 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 5.207 ng
RT: 7.652 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion: 146 Resp: 138871
Ion Ratio Lower Upper
146 100
148 62.8 51.8 77.8
75 31.5 22.6 33.8

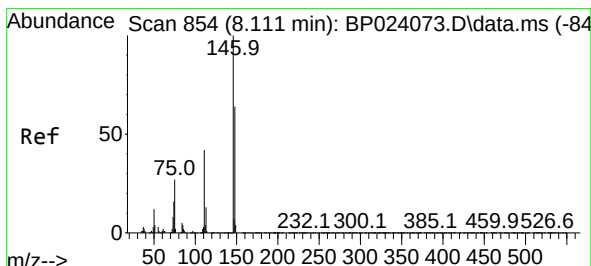
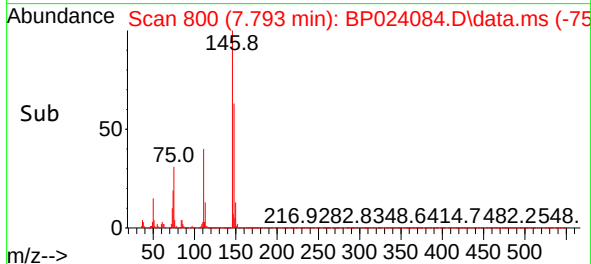
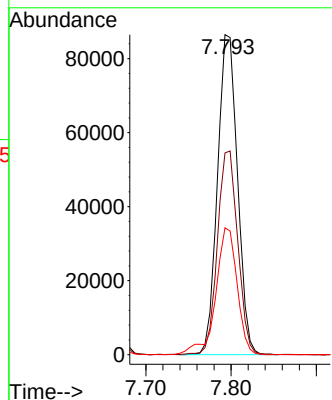
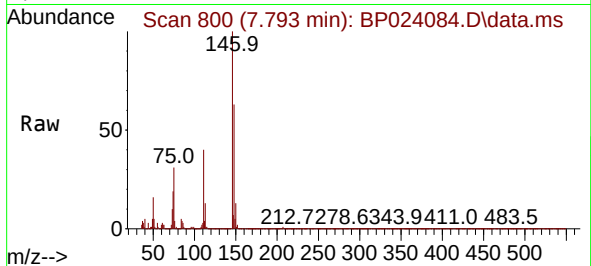




#13
1,4-Dichlorobenzene
Concen: 5.226 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

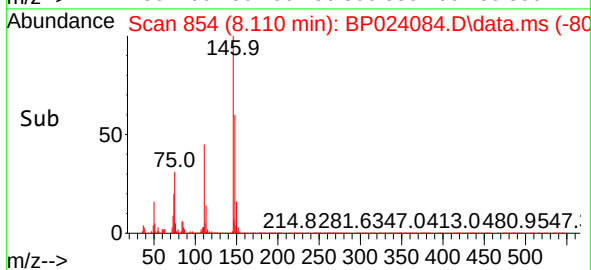
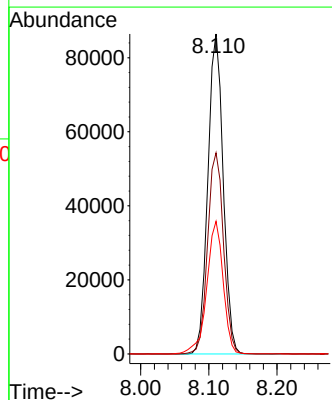
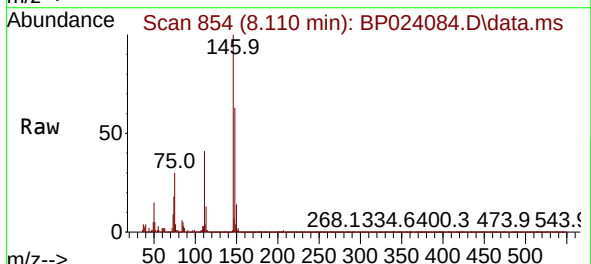
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

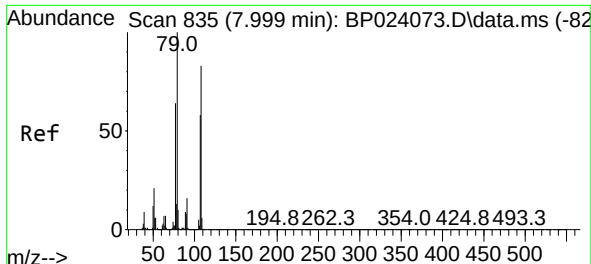
Tgt Ion:146 Resp: 140942
Ion Ratio Lower Upper
146 100
148 63.1 51.6 77.4
111 39.7 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 5.229 ng
RT: 8.110 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:146 Resp: 135337
Ion Ratio Lower Upper
146 100
148 62.8 51.2 76.8
111 41.4 33.4 50.0

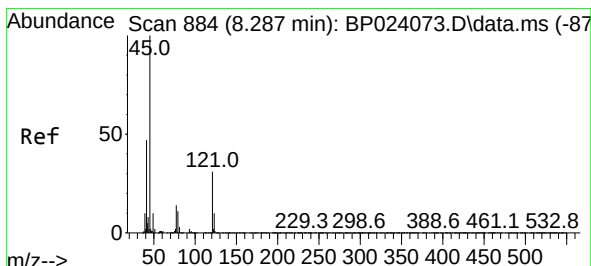
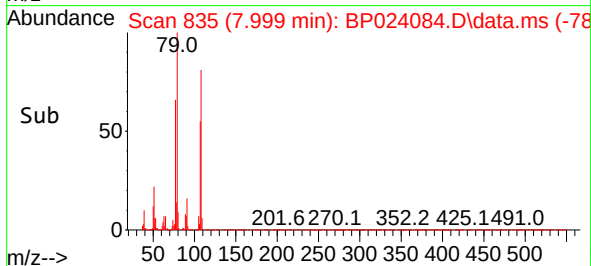
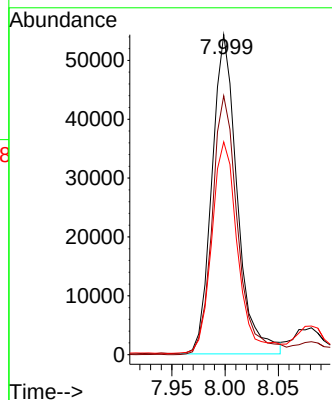
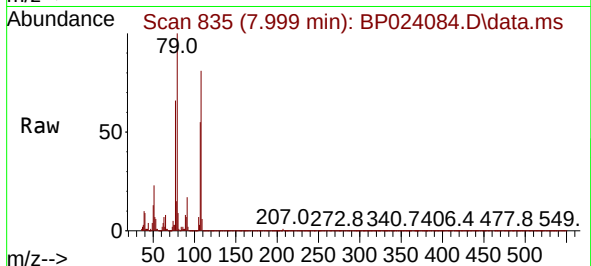




#15
Benzyl Alcohol
Concen: 4.984 ng
RT: 7.999 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

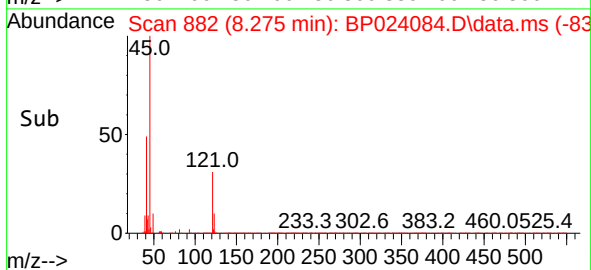
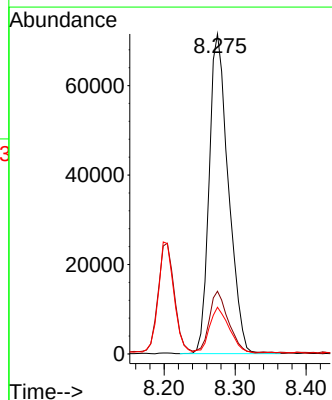
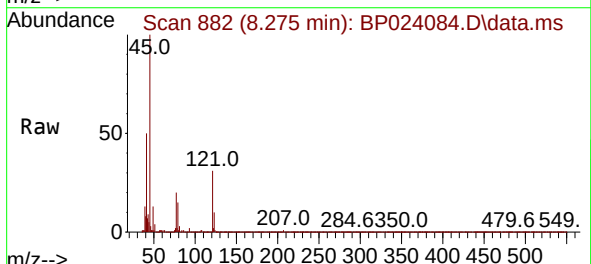
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

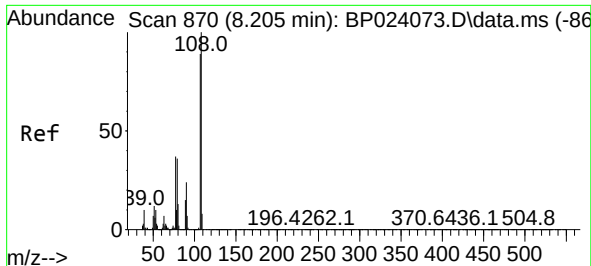
Tgt Ion:	79	Resp:	89920
Ion	Ratio	Lower	Upper
79	100		
108	80.9	66.4	99.6
77	66.5	51.3	76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.933 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:	45	Resp:	134465
Ion	Ratio	Lower	Upper
45	100		
77	19.6	0.0	38.8
79	14.6	0.0	35.4

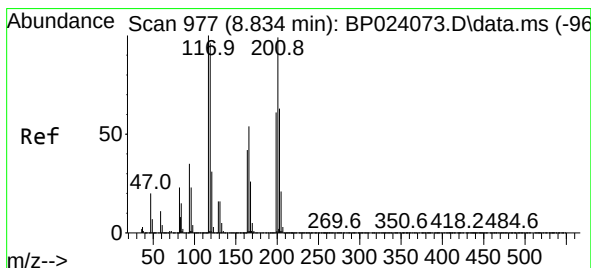
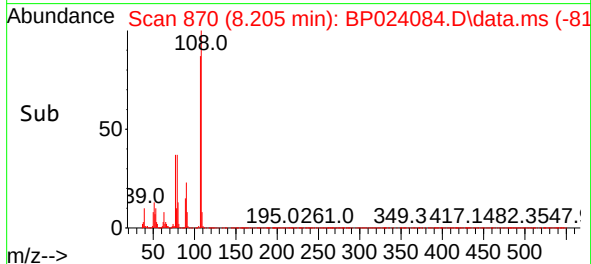
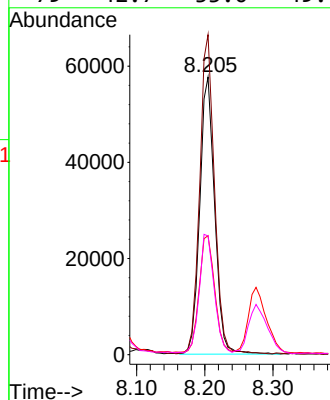
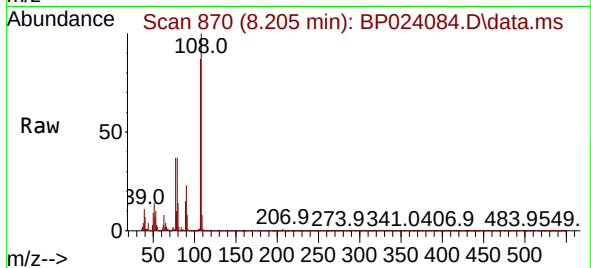




#17
2-Methylphenol
Concen: 4.852 ng
RT: 8.205 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

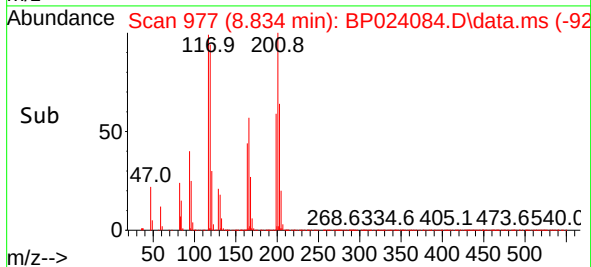
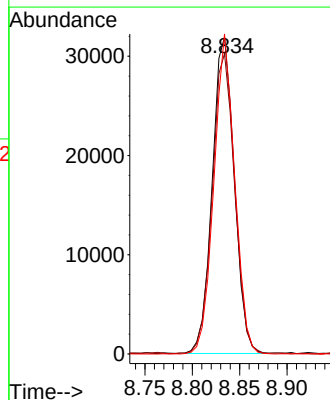
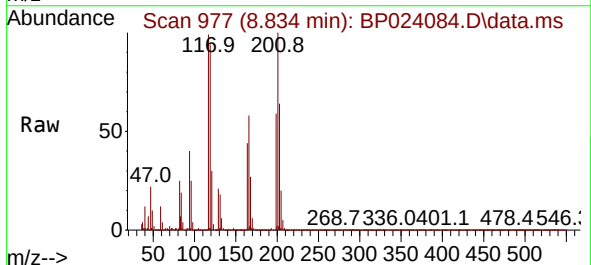
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

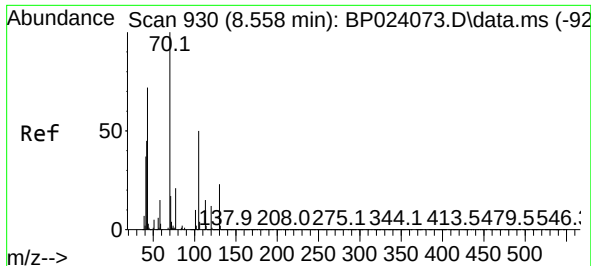
Tgt Ion:	107	Resp:	87647
Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.0	135.0
77	42.9	33.8	50.6
79	42.7	33.0	49.4



#18
Hexachloroethane
Concen: 5.311 ng
RT: 8.834 min Scan# 977
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:	117	Resp:	51582
Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	101.0	79.4	119.2

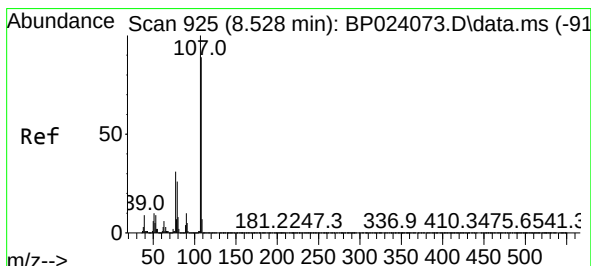
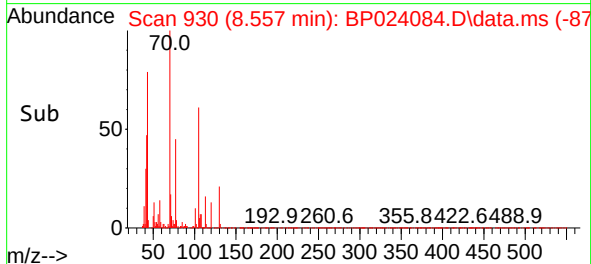
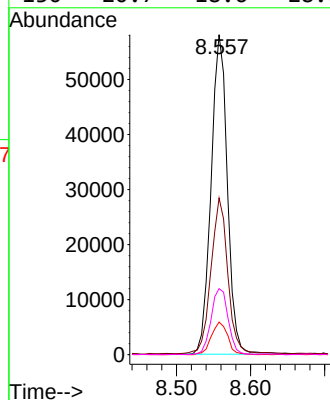
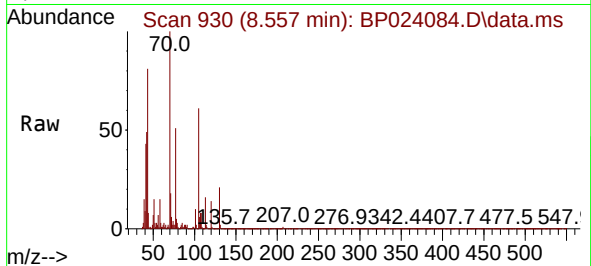




#19
n-Nitroso-di-n-propylamine
Concen: 5.590 ng
RT: 8.557 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

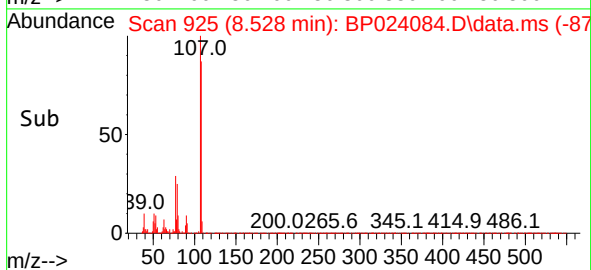
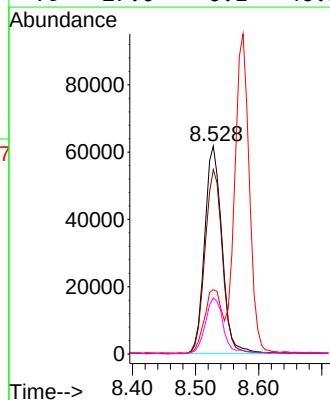
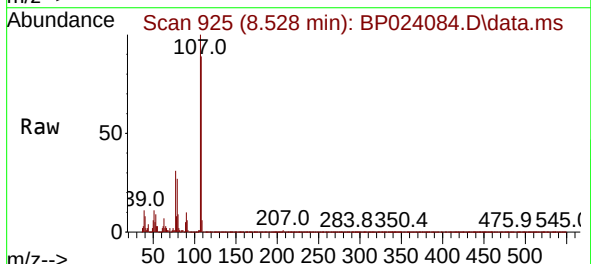
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

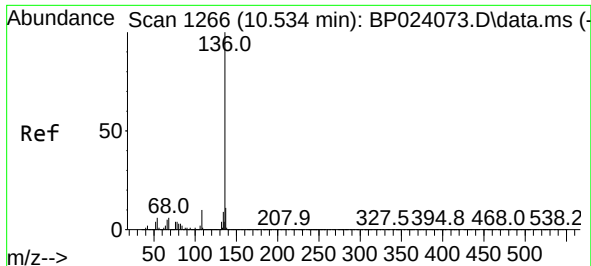
Tgt Ion: 70	Resp: 88590
Ion Ratio	Lower Upper
70 100	
42 48.9	36.6 54.8
101 10.2	8.2 12.2
130 20.7	18.6 28.0



#20
3+4-Methylphenols
Concen: 4.818 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt	Ion:107	Resp:	118398
Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.5	108.5
77	30.9	10.7	50.7
79	27.0	6.1	46.1

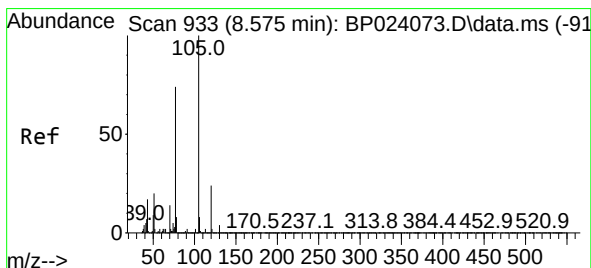
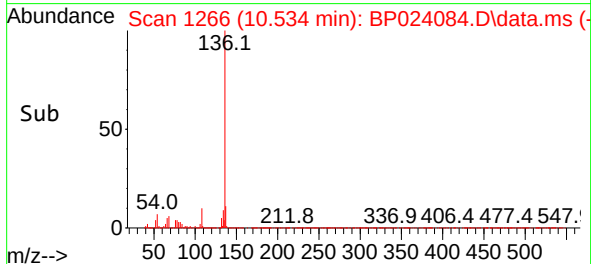
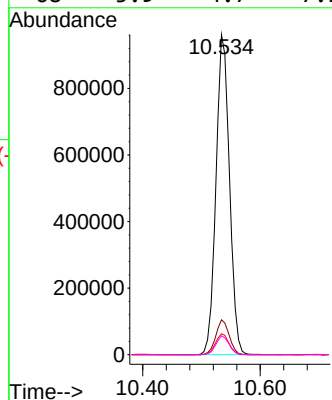
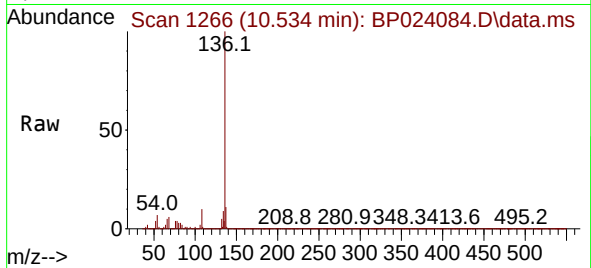




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

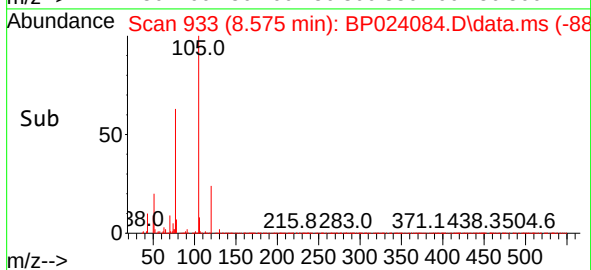
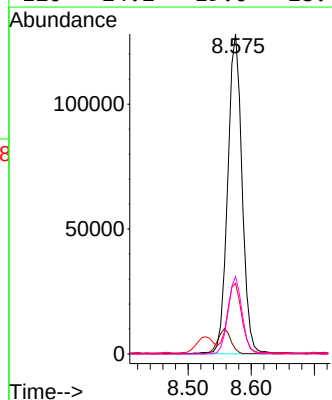
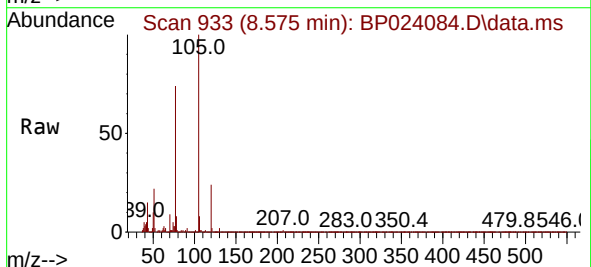
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2025

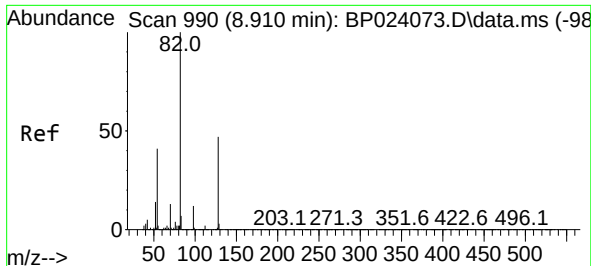
Tgt Ion:136 Resp: 1531711
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.6 4.9 7.3
68 5.9 4.7 7.1



#22
Acetophenone
Concen: 5.133 ng
RT: 8.575 min Scan# 933
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:105 Resp: 202044
Ion Ratio Lower Upper
105 100
71 1.5 1.9 2.9#
51 22.1 16.3 24.5
120 24.2 19.0 28.4

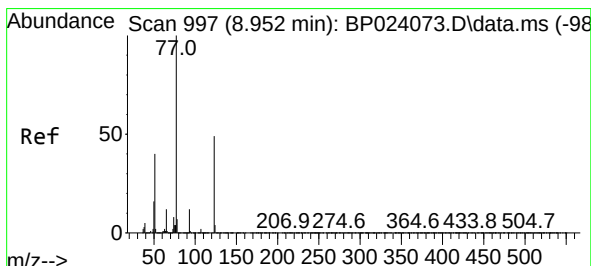
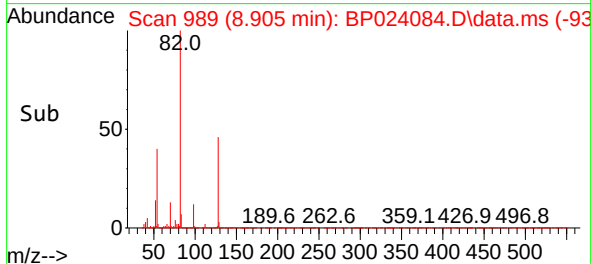
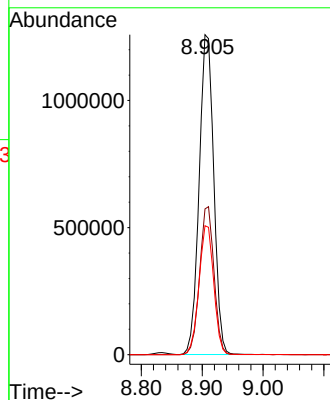
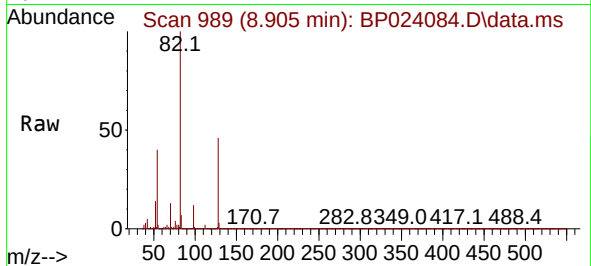




#23
 Nitrobenzene-d5
 Concen: 76.295 ng
 RT: 8.905 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: BP024084.D
 Acq: 18 Feb 2025 14:34

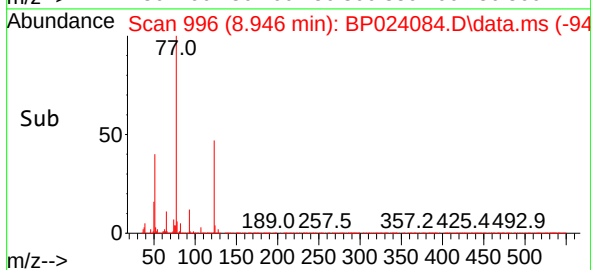
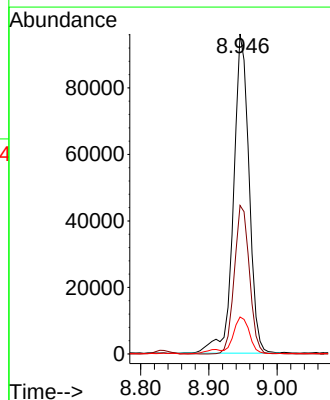
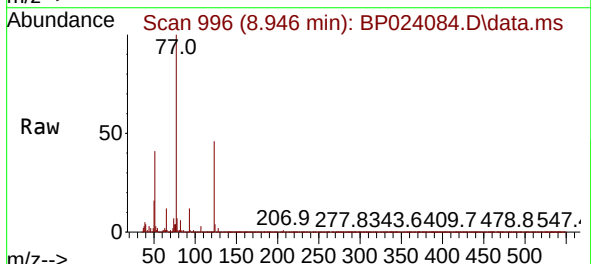
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

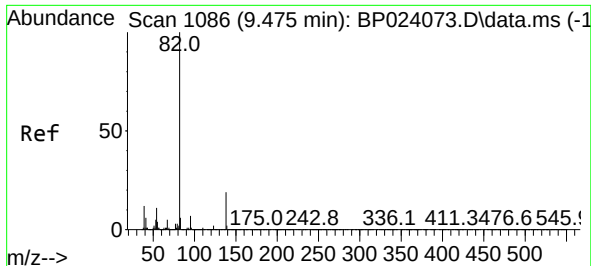
Tgt Ion: 82 Resp: 2094712
 Ion Ratio Lower Upper
 82 100
 128 45.5 37.4 56.2
 54 40.3 32.4 48.6



#24
 Nitrobenzene
 Concen: 5.640 ng
 RT: 8.946 min Scan# 996
 Delta R.T. -0.006 min
 Lab File: BP024084.D
 Acq: 18 Feb 2025 14:34

Tgt Ion: 77 Resp: 152405
 Ion Ratio Lower Upper
 77 100
 123 46.4 39.4 59.2
 65 11.6 9.9 14.9





#25

Isophorone

Concen: 5.317 ng

RT: 9.469 min Scan# 1086

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

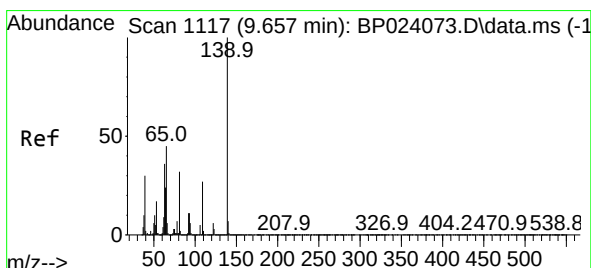
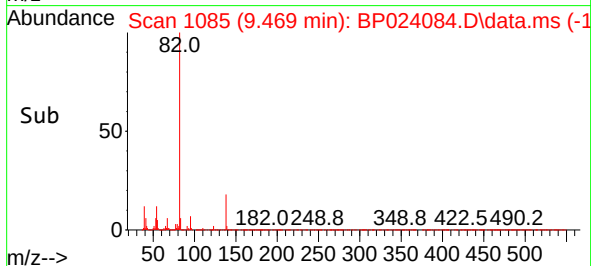
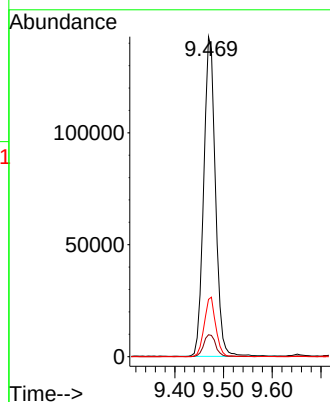
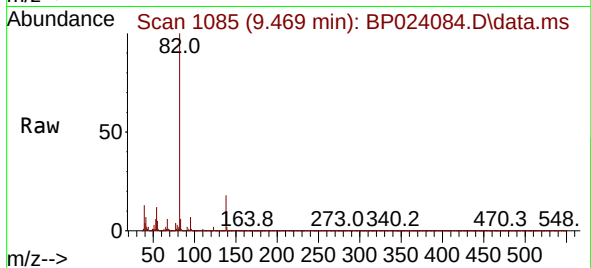
Tgt Ion: 82 Resp: 238720

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

138 17.9 15.3 22.9



#26

2-Nitrophenol

Concen: 3.927 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

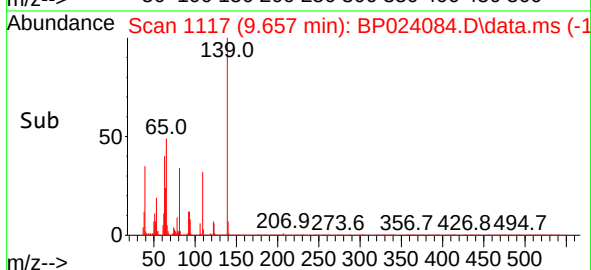
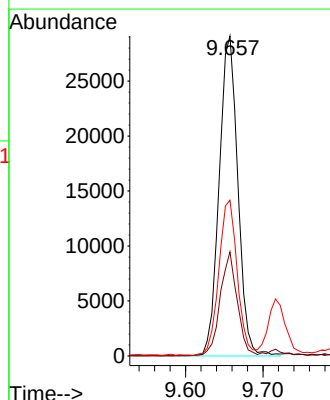
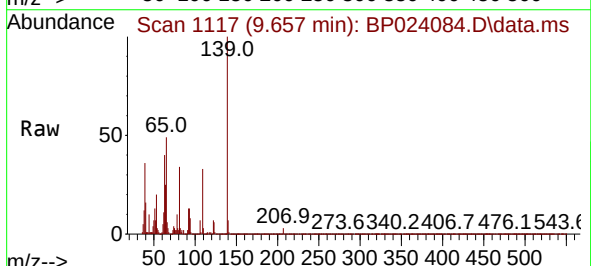
Tgt Ion:139 Resp: 48890

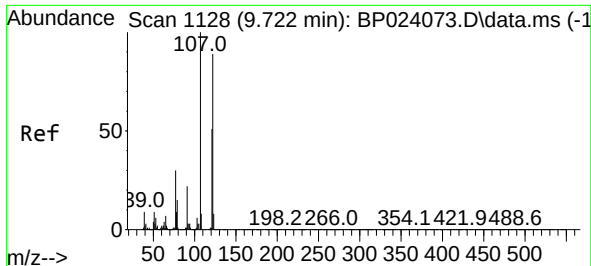
Ion Ratio Lower Upper

139 100

109 32.6 21.7 32.5#

65 48.6 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 4.976 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

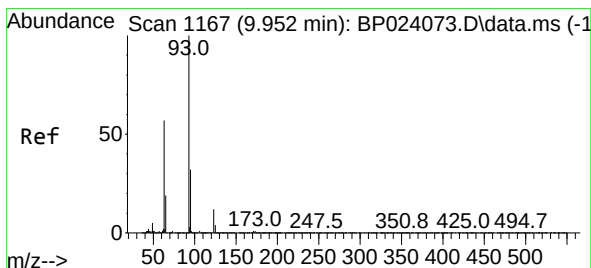
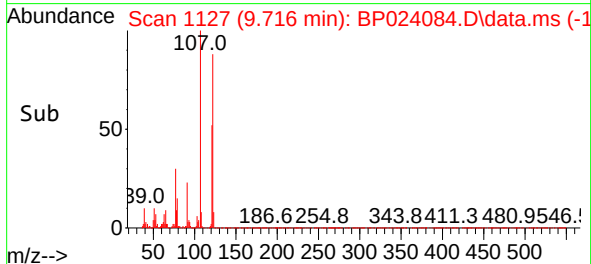
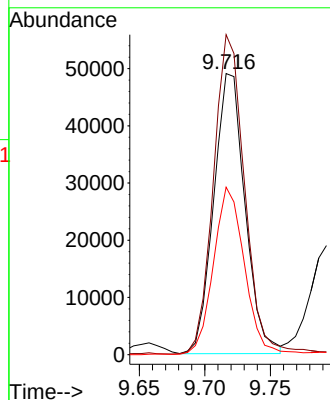
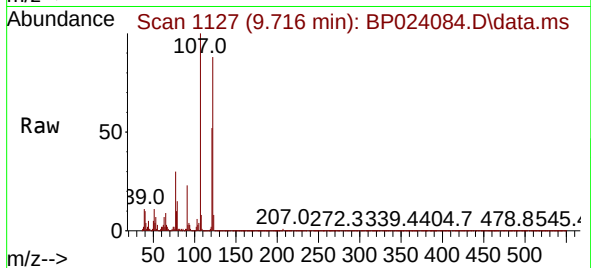
Tgt Ion:122 Resp: 81306

Ion Ratio Lower Upper

122 100

107 113.8 89.8 134.8

121 59.6 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 5.027 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

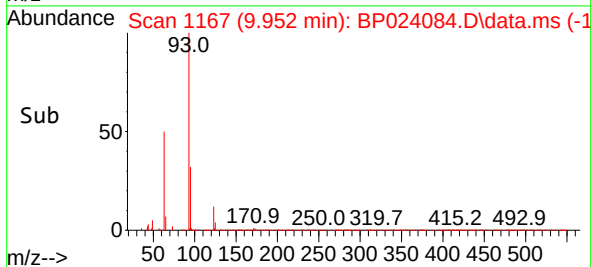
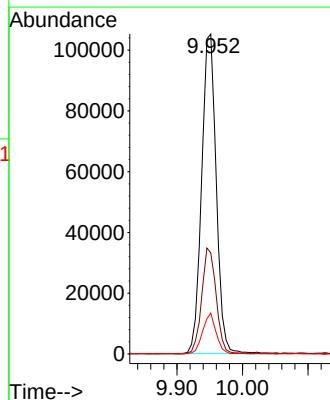
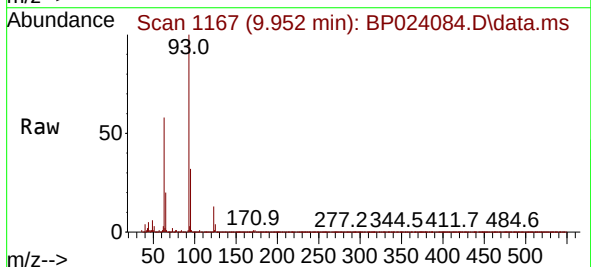
Tgt Ion: 93 Resp: 163499

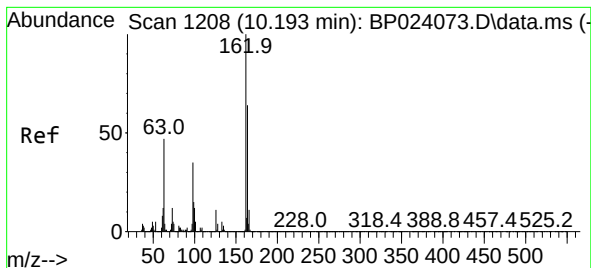
Ion Ratio Lower Upper

93 100

95 31.6 25.9 38.9

123 12.8 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 4.053 ng

RT: 10.193 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

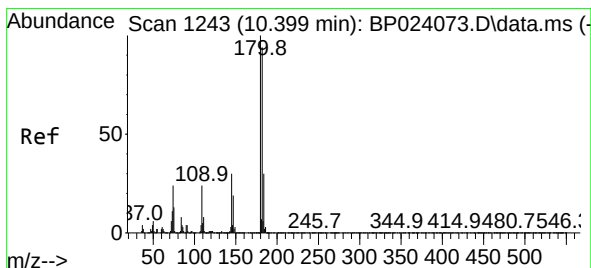
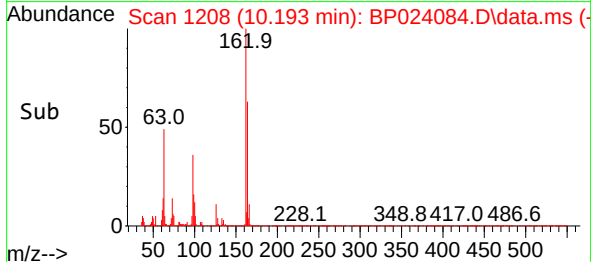
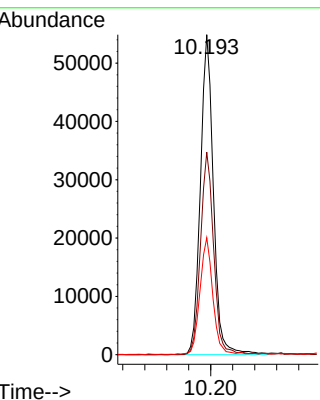
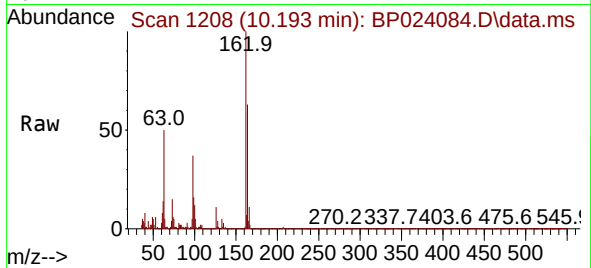
Tgt Ion:162 Resp: 90383

Ion Ratio Lower Upper

162 100

164 63.3 44.5 84.5

98 36.6 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 4.761 ng

RT: 10.399 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

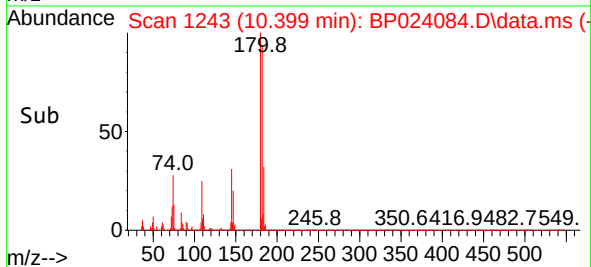
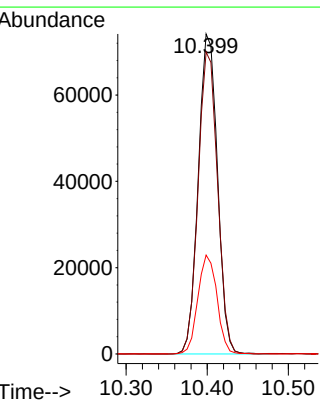
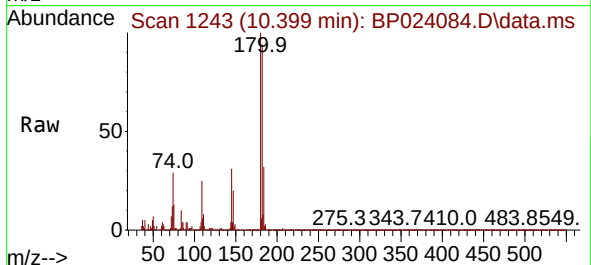
Tgt Ion:180 Resp: 121636

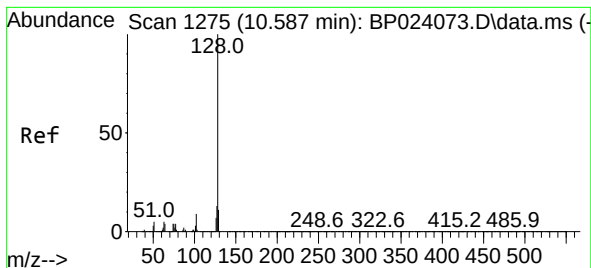
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 30.9 24.0 36.0





#31

Naphthalene

Concen: 4.989 ng

RT: 10.587 min Scan# 1109

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

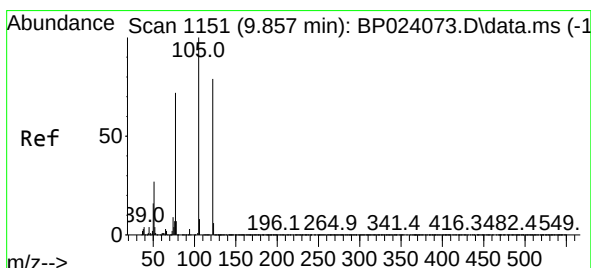
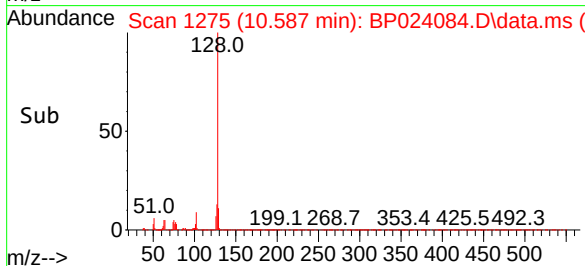
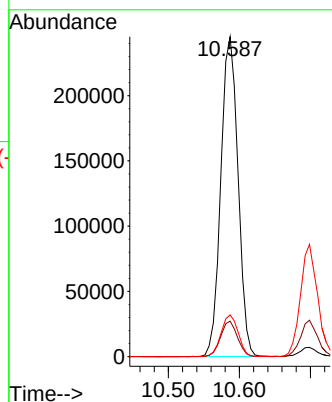
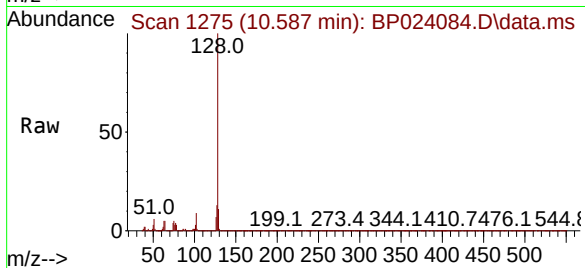
Tgt Ion:128 Resp: 410914

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.1 10.3 15.5



#32

Benzoic acid

Concen: 9.232 ng

RT: 9.793 min Scan# 1140

Delta R.T. -0.064 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

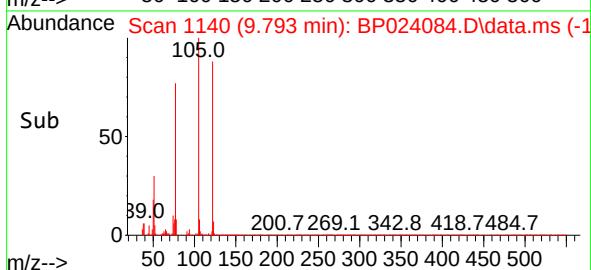
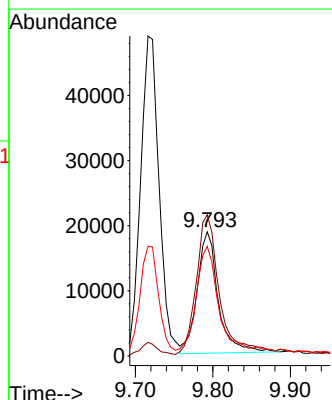
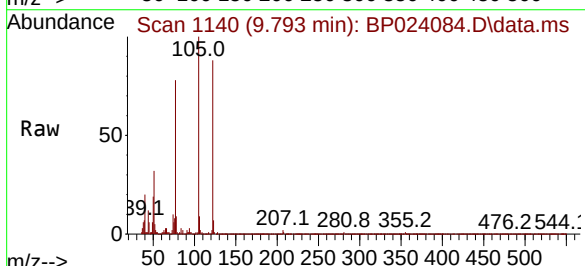
Tgt Ion:122 Resp: 35429

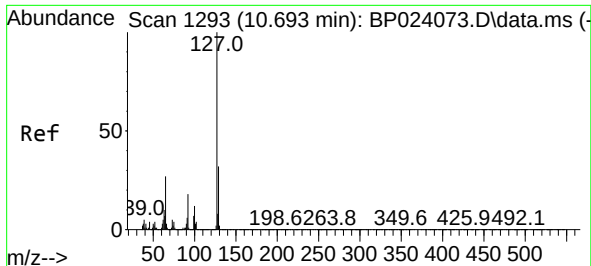
Ion Ratio Lower Upper

122 100

105 113.7 103.7 143.7

77 88.2 69.9 109.9

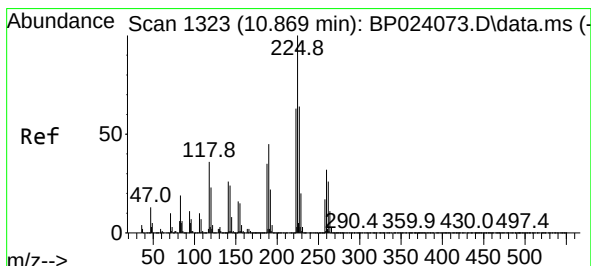
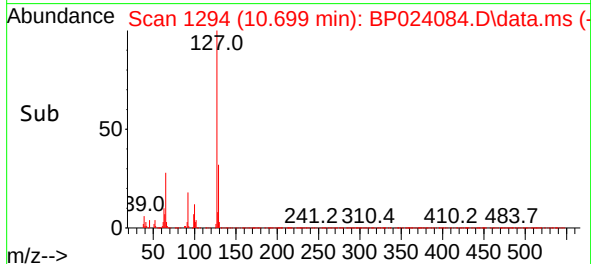
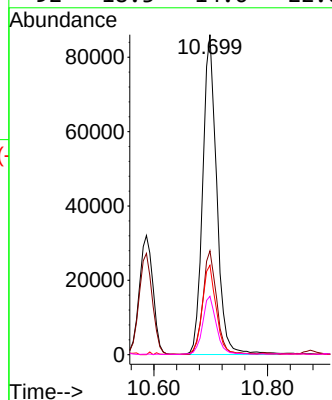
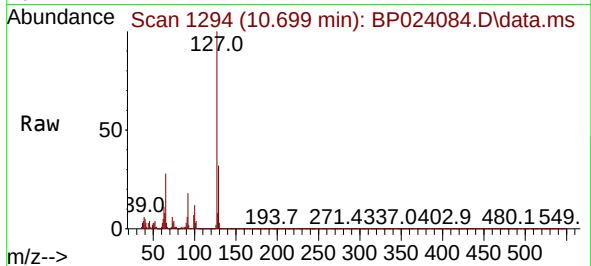




#33
4-Chloroaniline
Concen: 5.071 ng
RT: 10.699 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

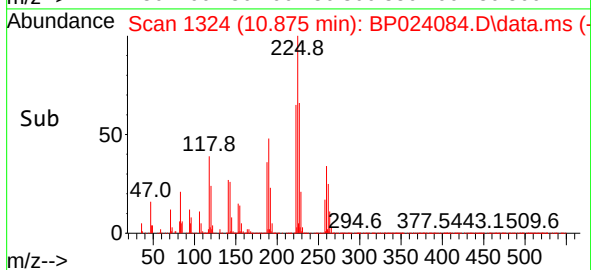
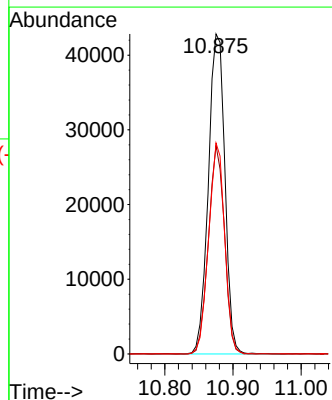
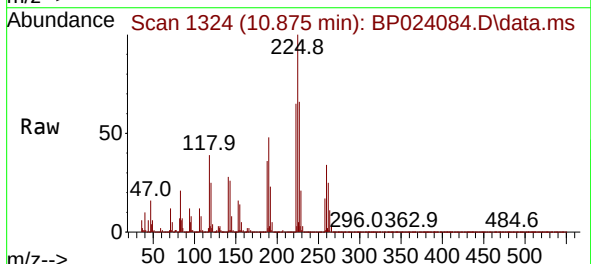
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

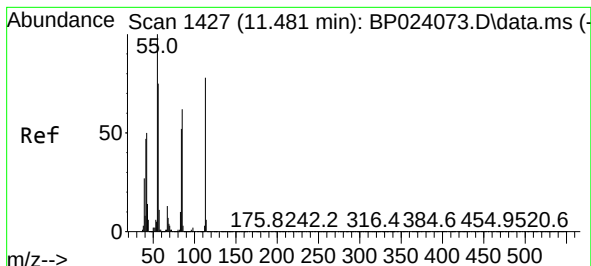
Tgt Ion:	127	Resp:	147118
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.0
65	27.9	21.3	31.9
92	18.3	14.6	22.0



#34
Hexachlorobutadiene
Concen: 4.889 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:	225	Resp:	72350
Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.5	75.7
227	65.9	51.3	76.9





#35

Caprolactam

Concen: 8.451 ng

RT: 11.475 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

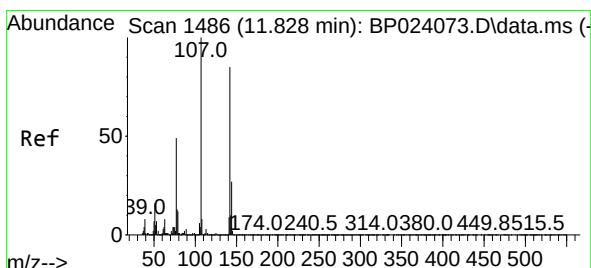
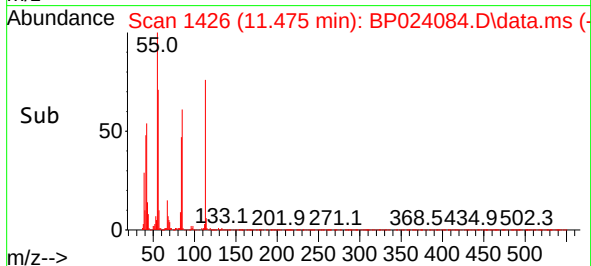
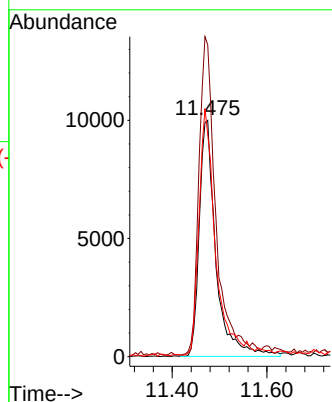
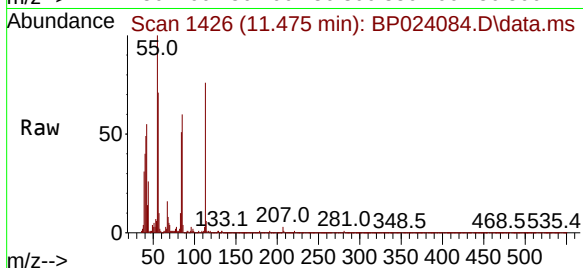
Tgt Ion:113 Resp: 24450

Ion Ratio Lower Upper

113 100

55 131.9 108.8 148.8

56 94.1 76.5 116.5



#36

4-Chloro-3-methylphenol

Concen: 4.192 ng

RT: 11.828 min Scan# 1486

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

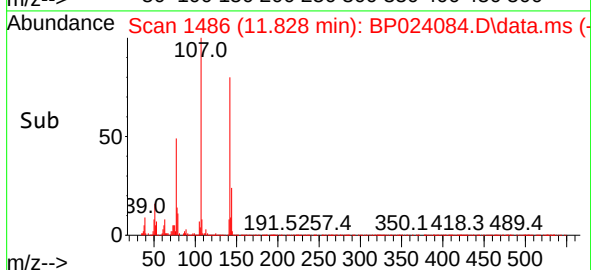
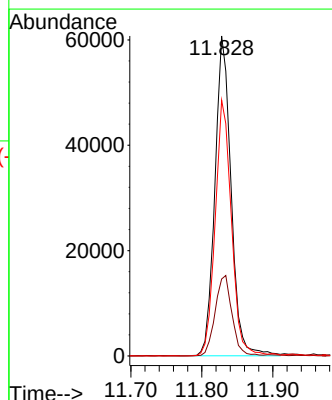
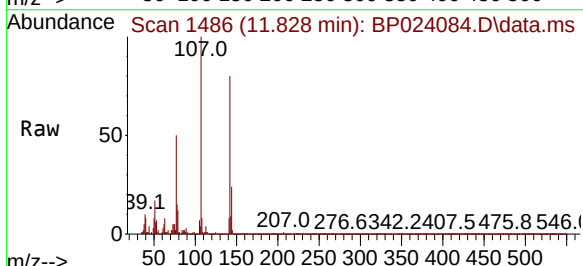
Tgt Ion:107 Resp: 96112

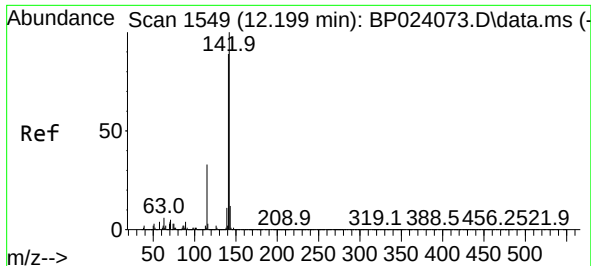
Ion Ratio Lower Upper

107 100

144 24.1 21.8 32.8

142 79.9 67.8 101.8

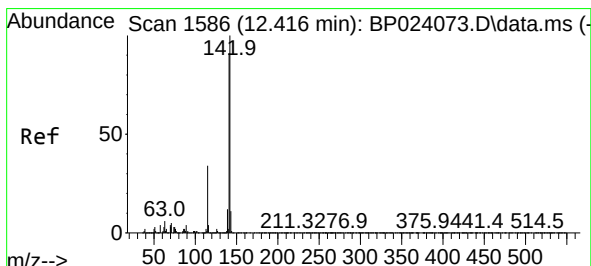
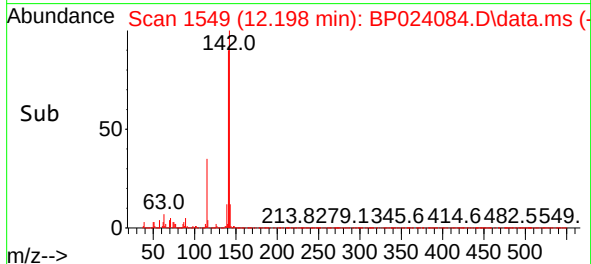
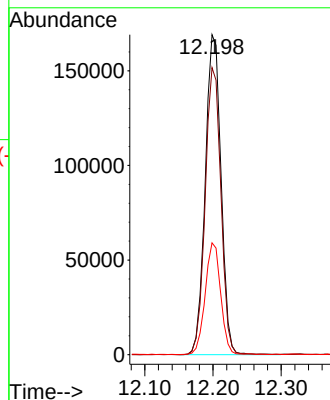
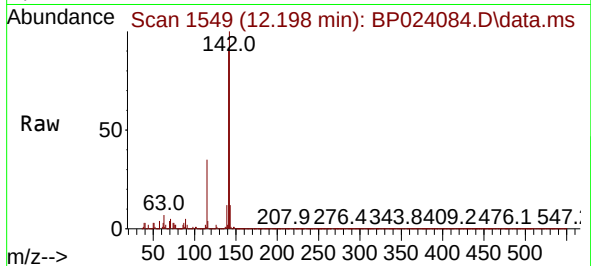




#37
2-Methylnaphthalene
Concen: 4.976 ng
RT: 12.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

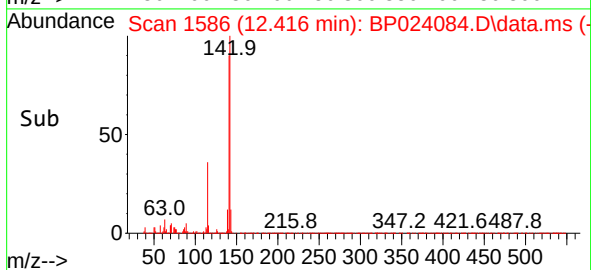
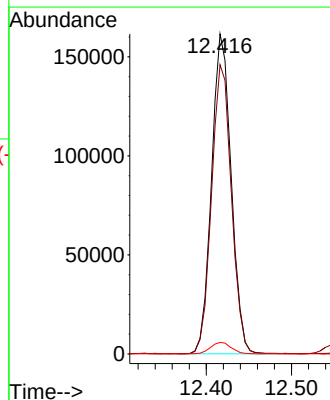
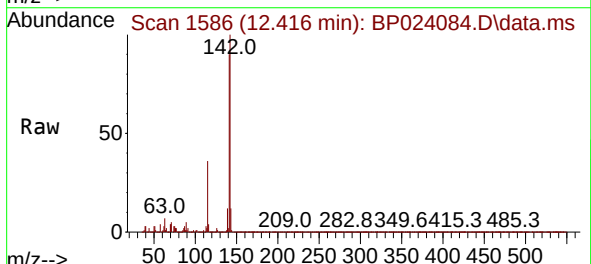
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

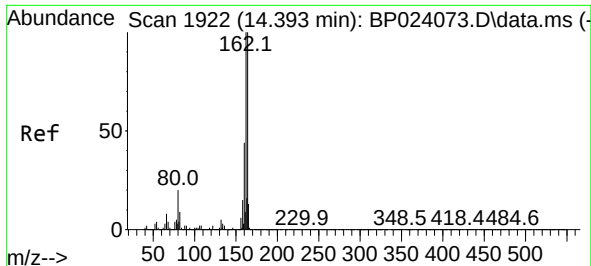
Tgt Ion:142 Resp: 272373
Ion Ratio Lower Upper
142 100
141 89.7 71.2 106.8
115 35.0 26.5 39.7



#38
1-Methylnaphthalene
Concen: 4.838 ng
RT: 12.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:142 Resp: 257632
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.6
116 3.6 2.8 4.2

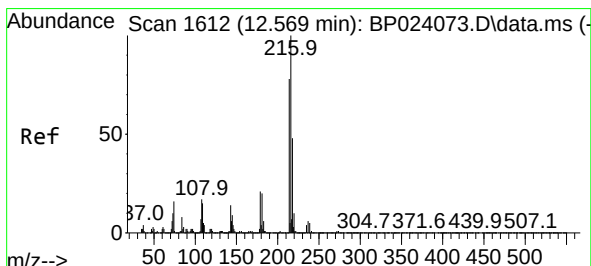
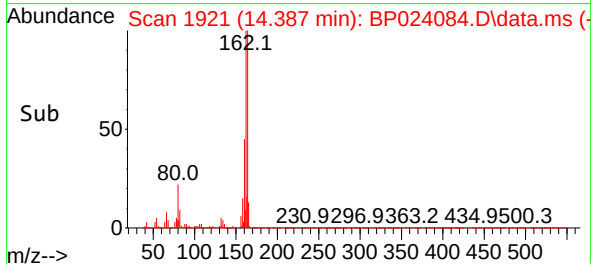
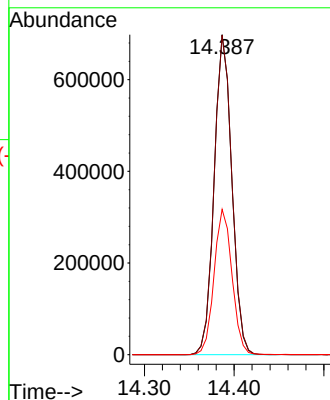
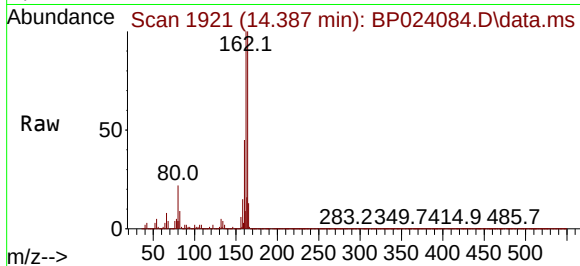




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

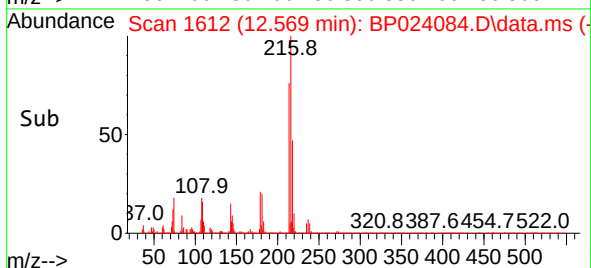
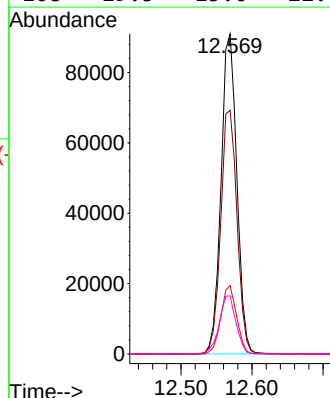
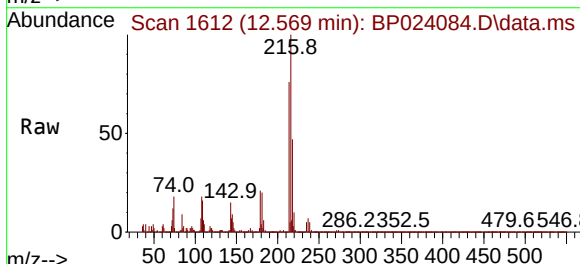
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

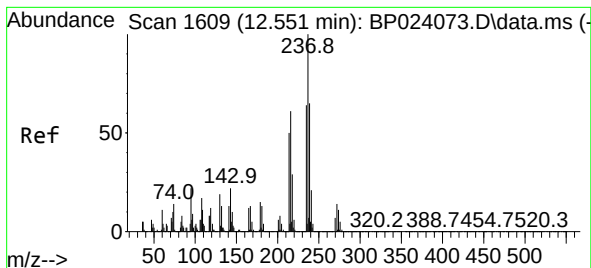
Tgt Ion:164 Resp: 952631
Ion Ratio Lower Upper
164 100
162 99.8 80.1 120.1
160 45.4 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.781 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:216 Resp: 139927
Ion Ratio Lower Upper
216 100
214 78.6 62.7 94.1
179 21.3 16.6 25.0
108 19.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 5.098 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

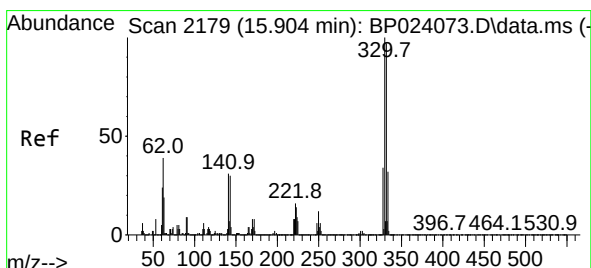
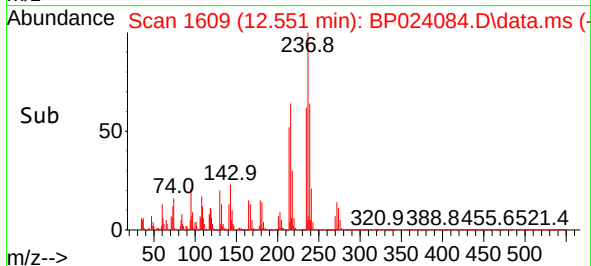
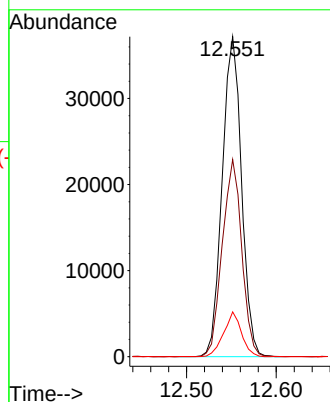
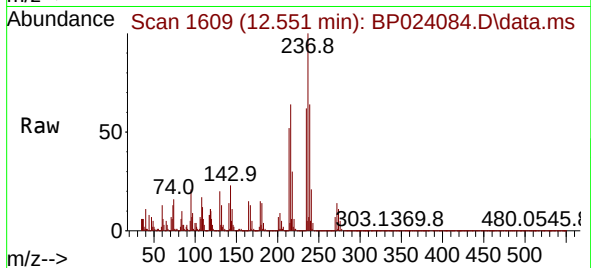
Tgt Ion:237 Resp: 55531

Ion Ratio Lower Upper

237 100

235 61.6 43.5 83.5

272 14.0 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 139.300 ng

RT: 15.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

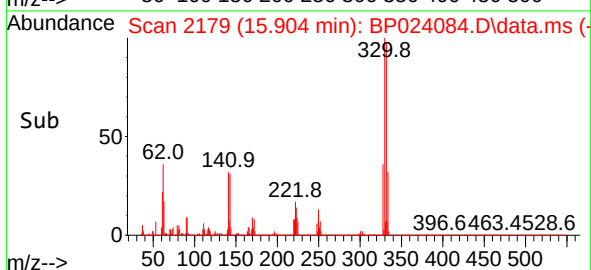
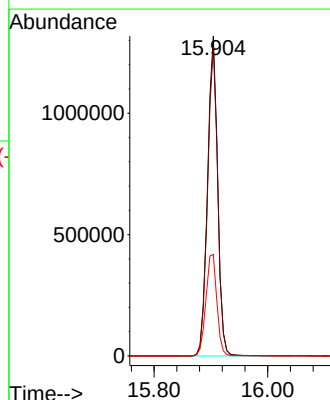
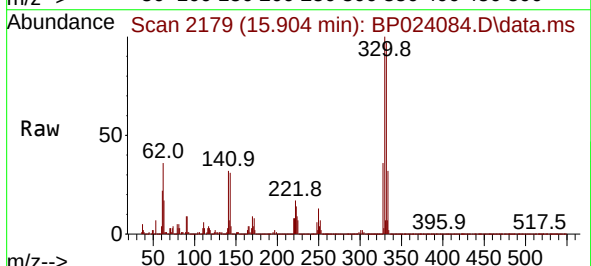
Tgt Ion:330 Resp: 1625451

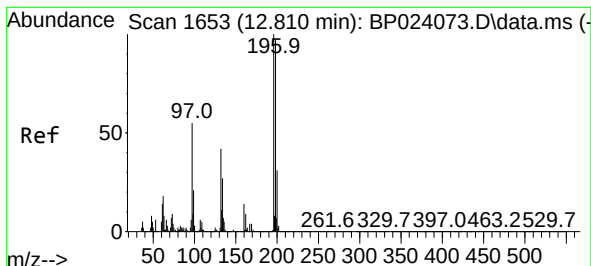
Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.4

141 34.6 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 3.813 ng

RT: 12.810 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

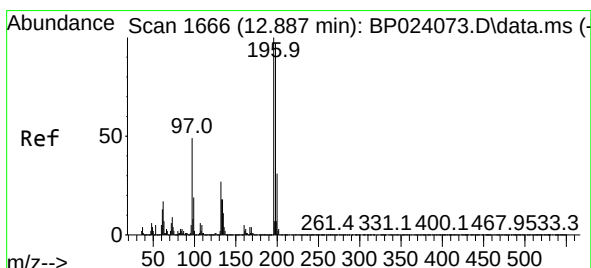
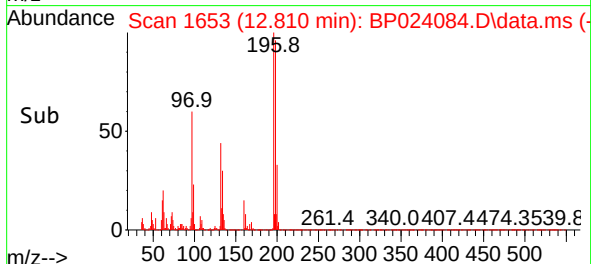
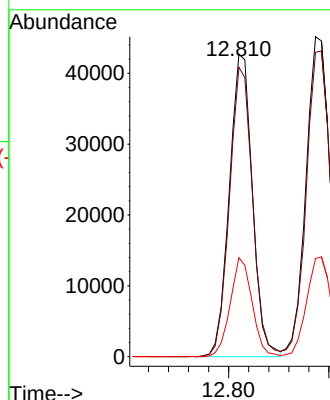
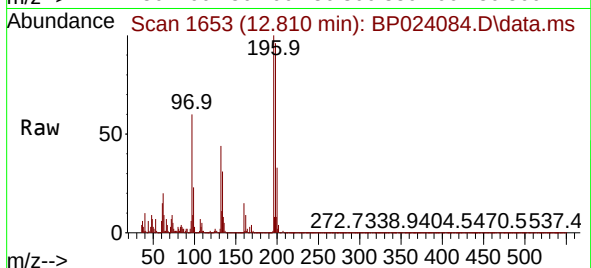
Tgt Ion:196 Resp: 68064

Ion Ratio Lower Upper

196 100

198 95.6 77.8 116.6

200 32.7 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 3.932 ng

RT: 12.887 min Scan# 1666

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Tgt Ion:196 Resp: 76763

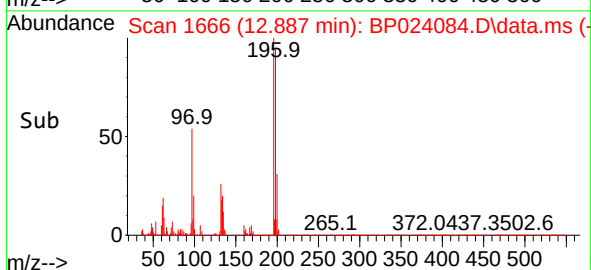
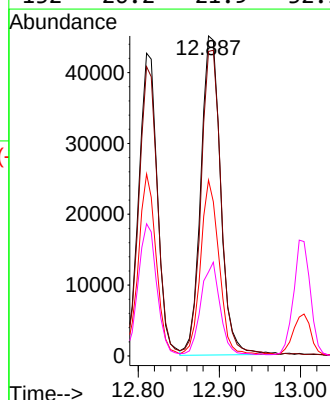
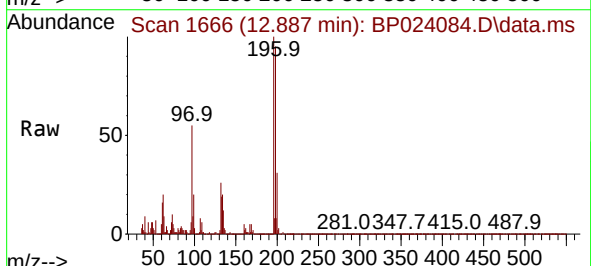
Ion Ratio Lower Upper

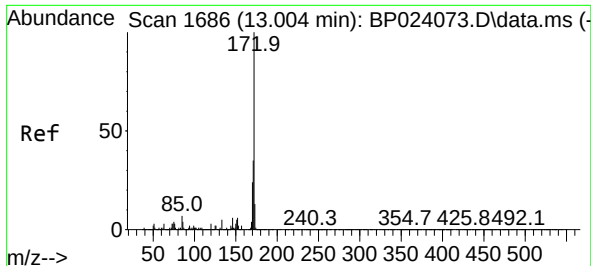
196 100

198 95.1 77.4 116.2

97 55.0 39.0 58.4

132 26.2 21.9 32.9

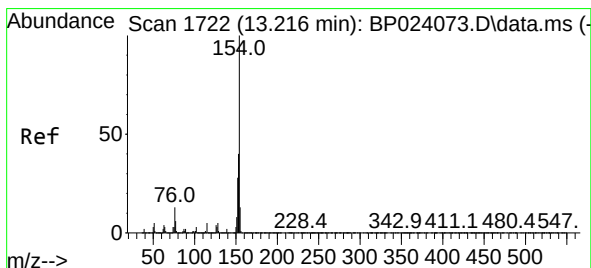
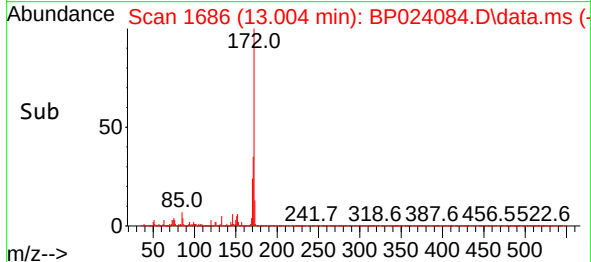
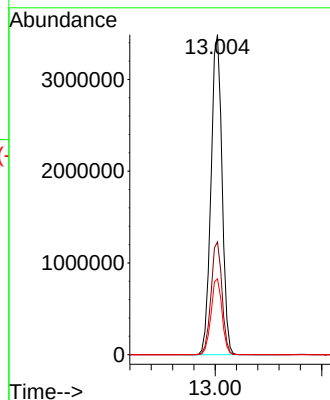
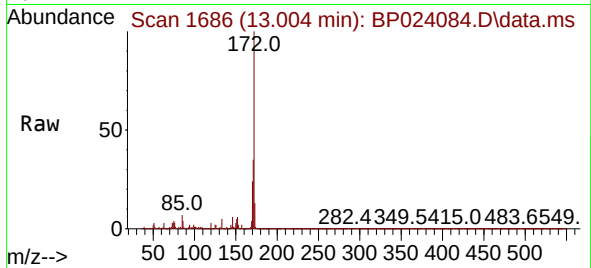




#45
2-Fluorobiphenyl
Concen: 73.667 ng
RT: 13.004 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

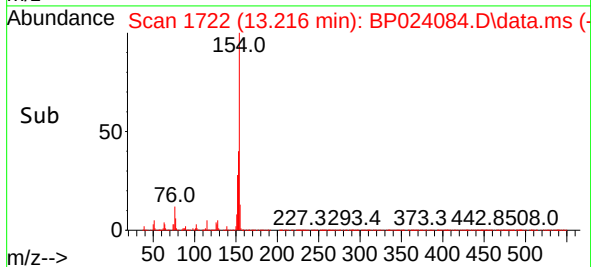
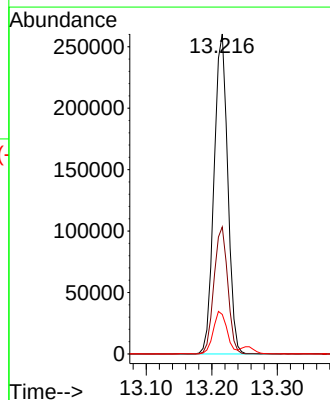
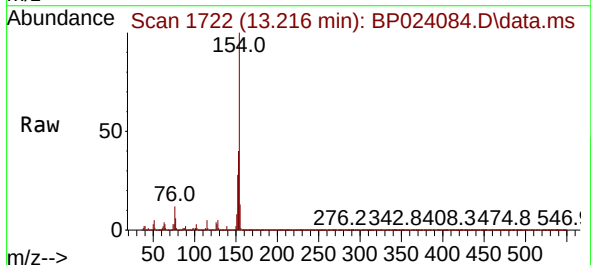
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

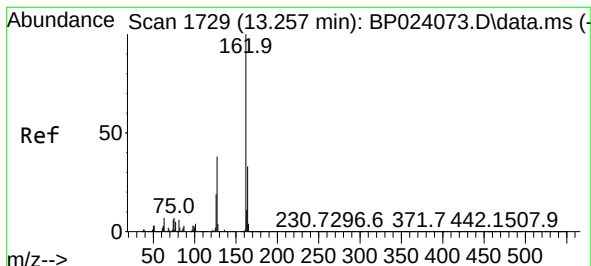
Tgt Ion:172 Resp: 5019879
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.7 19.0 28.6



#46
1,1'-Biphenyl
Concen: 5.098 ng
RT: 13.216 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:154 Resp: 377416
Ion Ratio Lower Upper
154 100
153 39.7 20.0 60.0
76 12.4 0.0 32.6

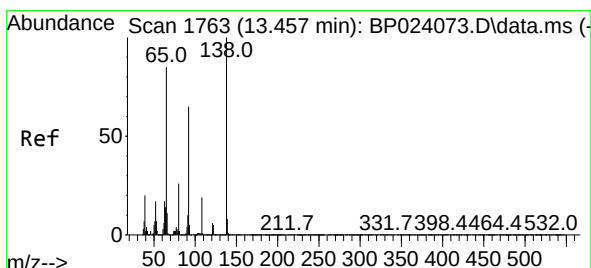
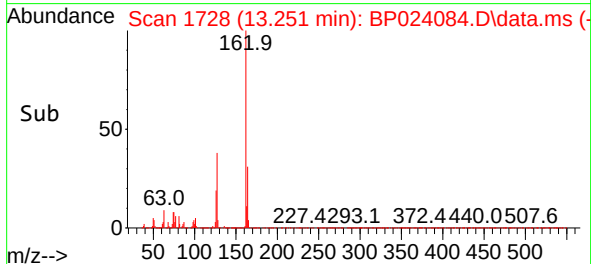
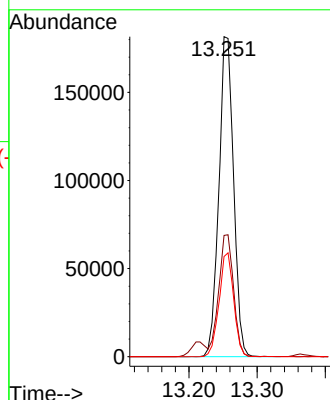
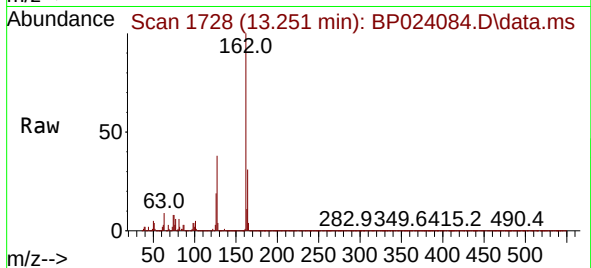




#47
2-Chloronaphthalene
Concen: 4.870 ng
RT: 13.251 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

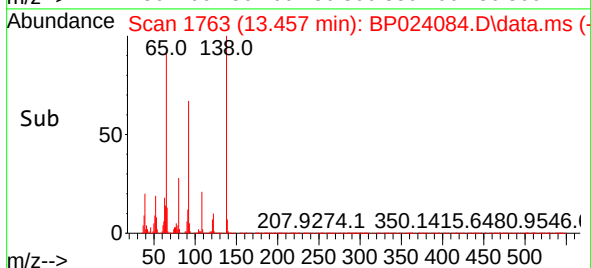
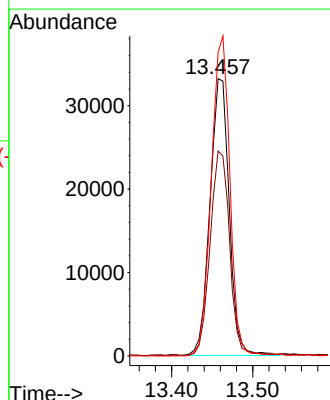
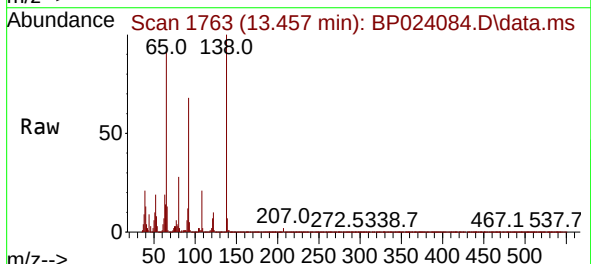
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

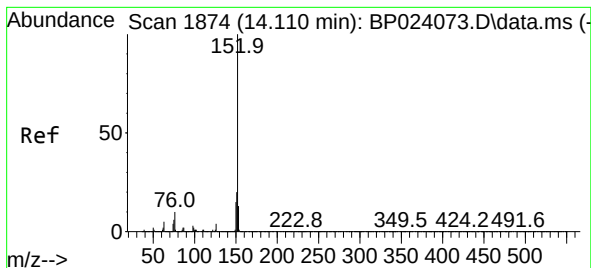
Tgt Ion:162 Resp: 272535
Ion Ratio Lower Upper
162 100
127 37.9 30.7 46.1
164 31.3 26.6 39.8



#48
2-Nitroaniline
Concen: 4.134 ng
RT: 13.457 min Scan# 1763
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion: 65 Resp: 54646
Ion Ratio Lower Upper
65 100
92 73.9 61.7 92.5
138 109.4 94.6 142.0





#49

Acenaphthylene

Concen: 4.853 ng

RT: 14.104 min Scan# 1873

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

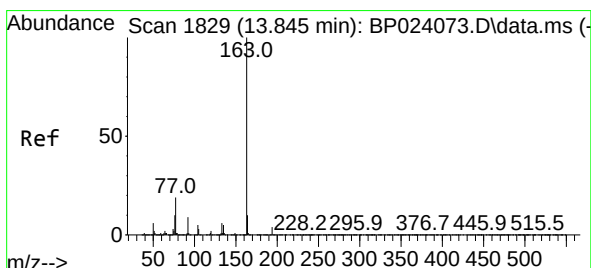
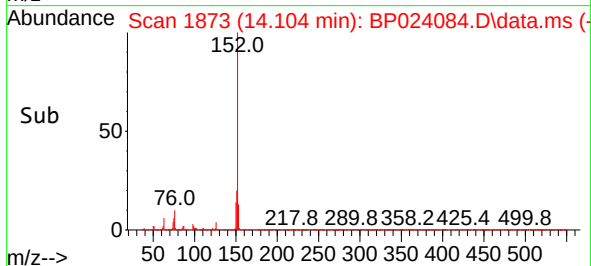
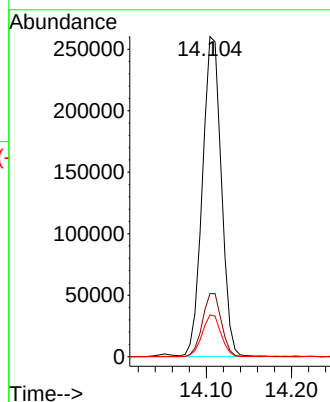
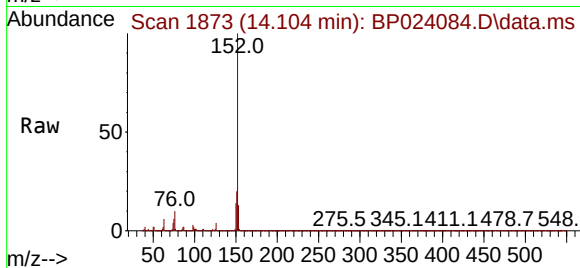
Tgt Ion:152 Resp: 400154

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

153 13.1 10.7 16.1



#50

Dimethylphthalate

Concen: 4.812 ng

RT: 13.845 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

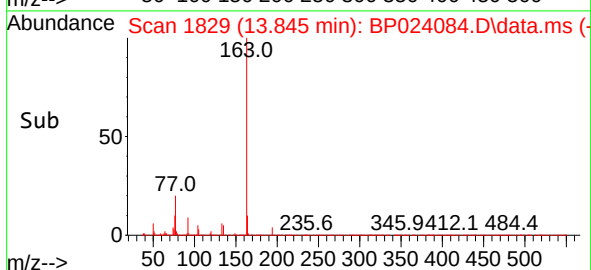
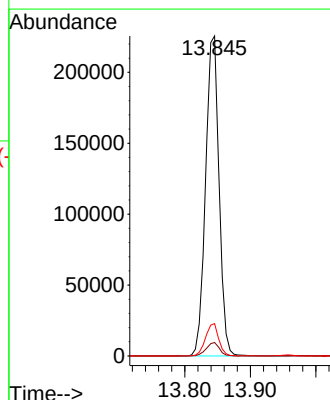
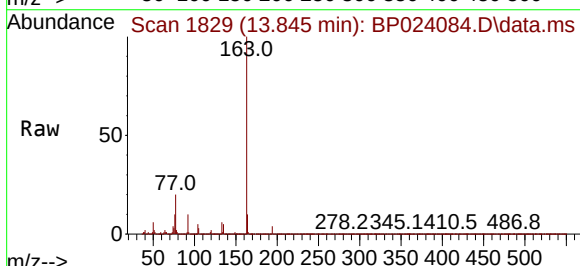
Tgt Ion:163 Resp: 323338

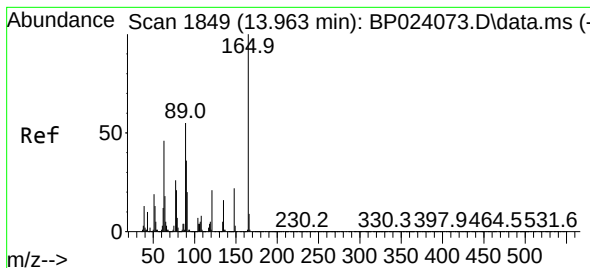
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 4.330 ng

RT: 13.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

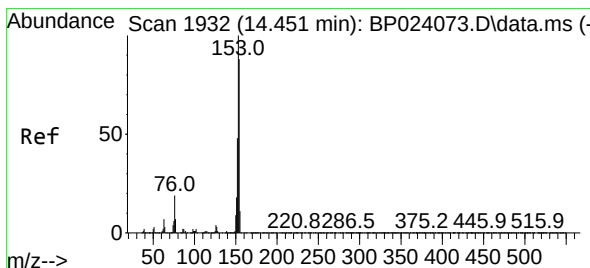
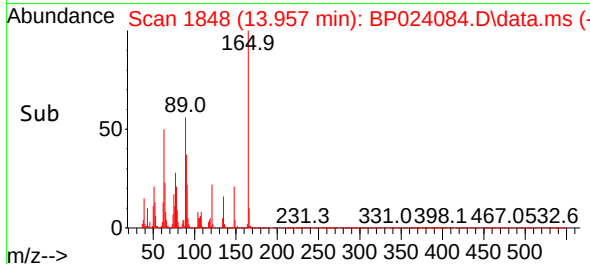
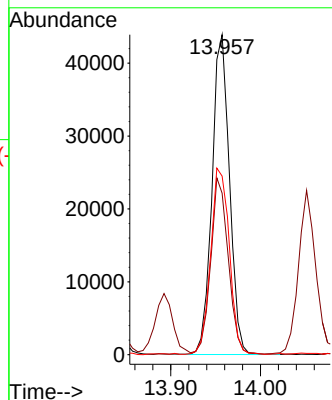
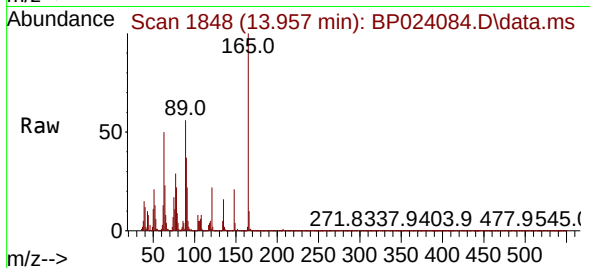
Tgt Ion:165 Resp: 59275

Ion Ratio Lower Upper

165 100

63 50.4 40.1 60.1

89 55.8 44.2 66.4



#52

Acenaphthene

Concen: 4.902 ng

RT: 14.451 min Scan# 1932

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

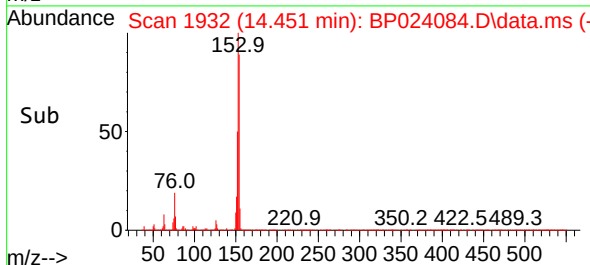
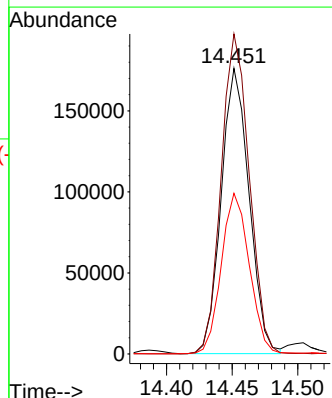
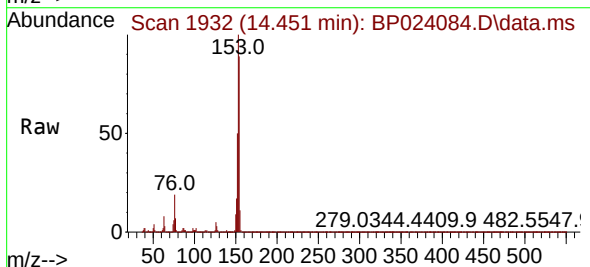
Tgt Ion:154 Resp: 260263

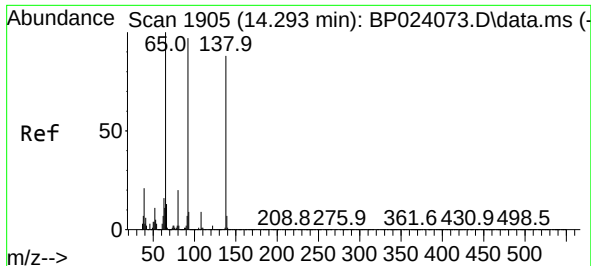
Ion Ratio Lower Upper

154 100

153 112.0 90.6 135.8

152 56.2 43.6 65.4

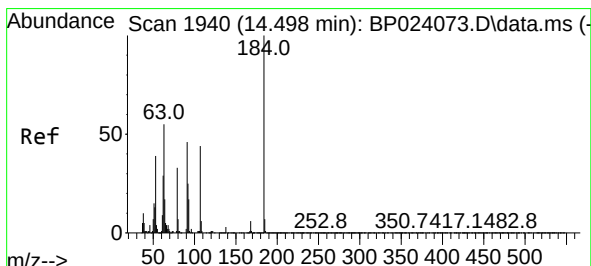
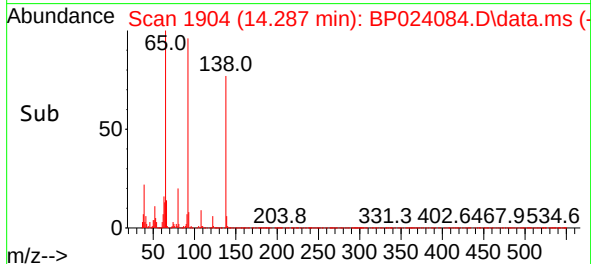
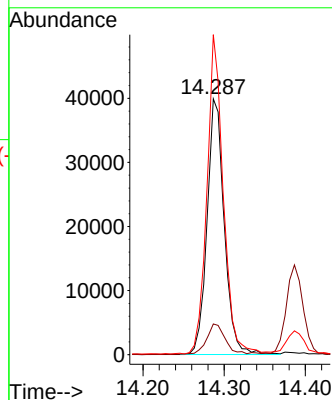
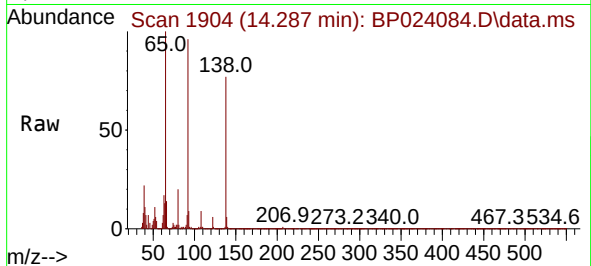




#53
3-Nitroaniline
Concen: 4.015 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

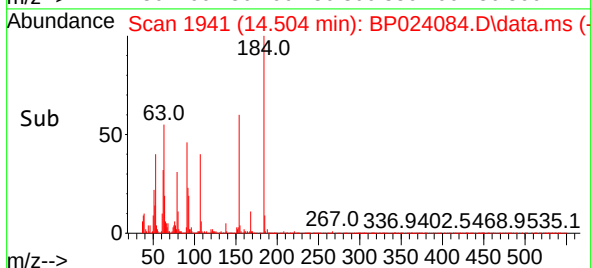
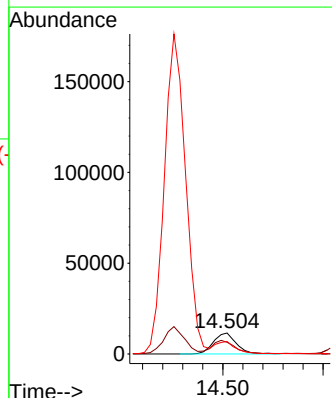
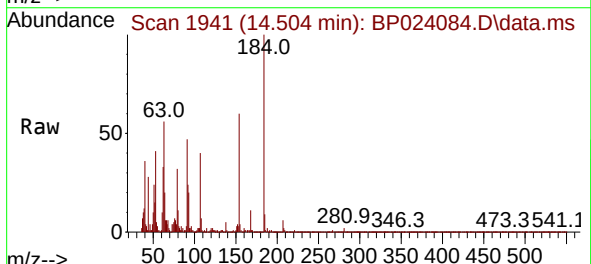
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

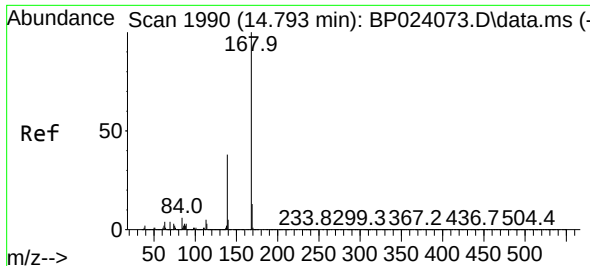
Tgt Ion:138 Resp: 58652
Ion Ratio Lower Upper
138 100
108 12.0 7.8 11.8#
92 125.1 88.4 132.6



#54
2,4-Dinitrophenol
Concen: 9.612 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:184 Resp: 18322
Ion Ratio Lower Upper
184 100
63 56.2 49.4 74.0
154 59.8 49.2 73.8

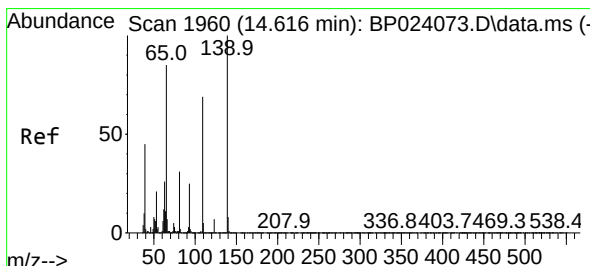
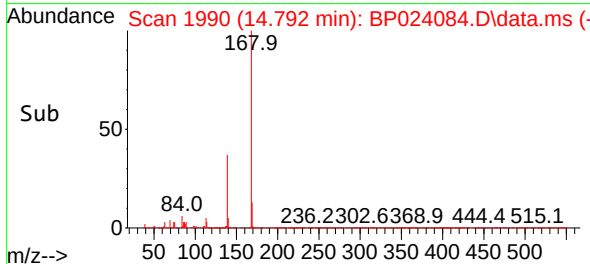
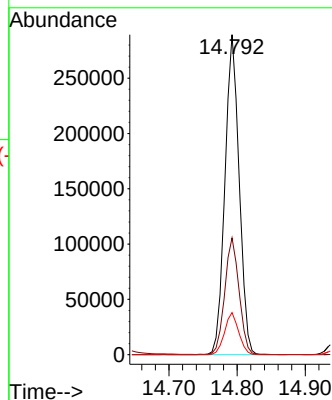
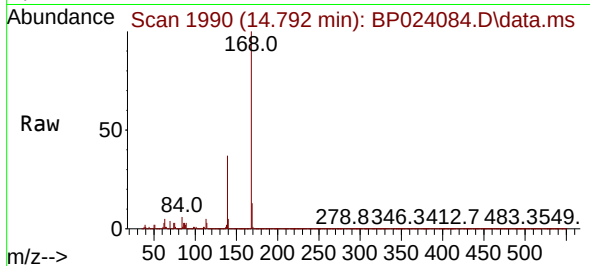




#55
Dibenzofuran
Concen: 4.864 ng
RT: 14.792 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

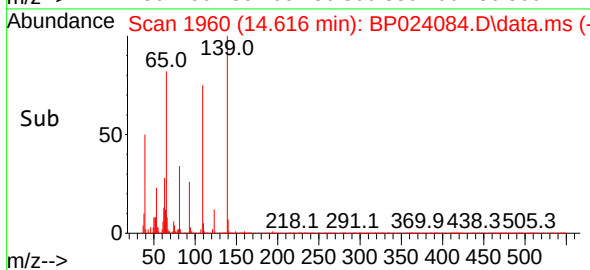
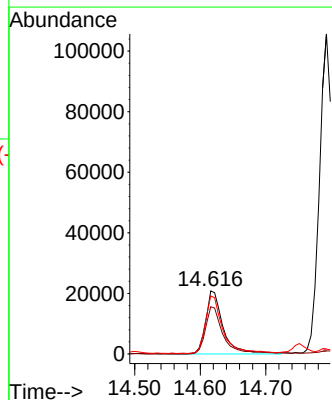
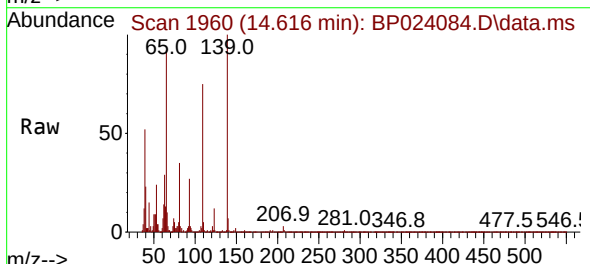
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

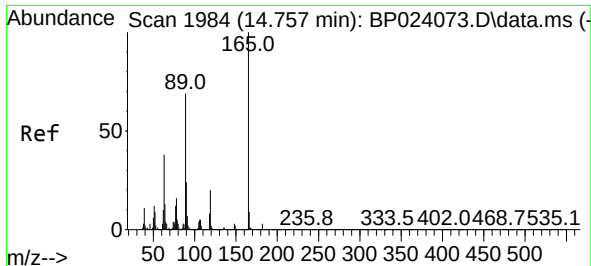
Tgt Ion:168 Resp: 419479
Ion Ratio Lower Upper
168 100
139 36.5 30.2 45.2
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 3.048 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:139 Resp: 38459
Ion Ratio Lower Upper
139 100
109 75.0 49.2 89.2
65 92.0 65.4 105.4

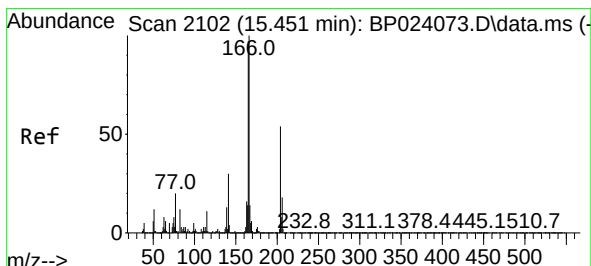
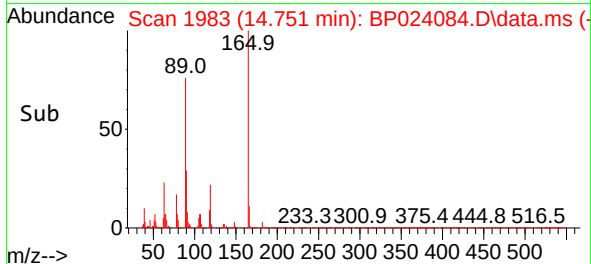
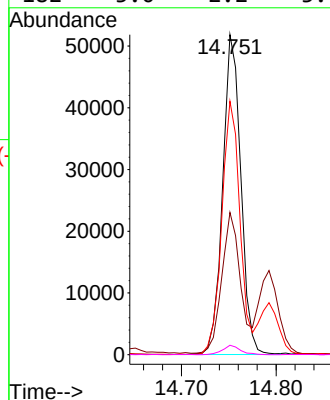
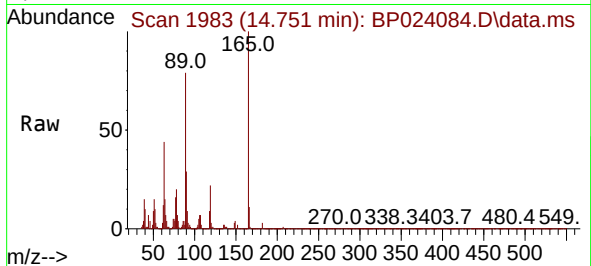




#57
2,4-Dinitrotoluene
Concen: 3.887 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

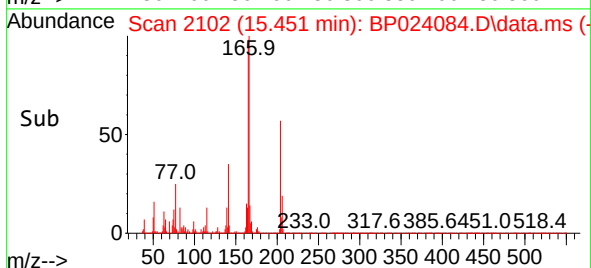
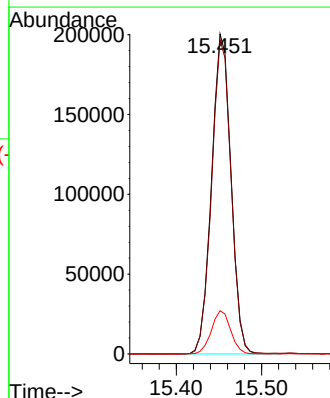
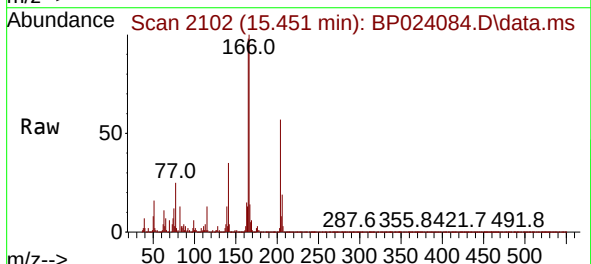
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

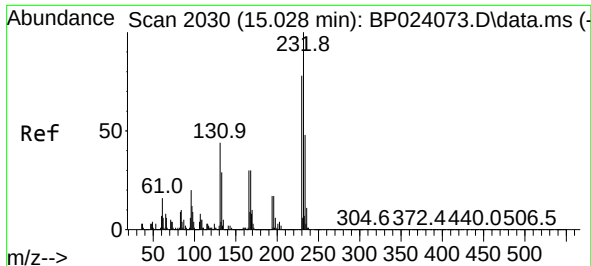
Tgt Ion:	165	Resp:	69114
Ion Ratio	Lower	Upper	
165	100		
63	44.5	30.4	45.6
89	79.2	54.8	82.2
182	3.0	2.2	3.4



#58
Fluorene
Concen: 4.711 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:	166	Resp:	317297
Ion Ratio	Lower	Upper	
166	100		
165	98.2	77.5	116.3
167	13.5	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.124 ng

RT: 15.022 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:232 Resp: 69849

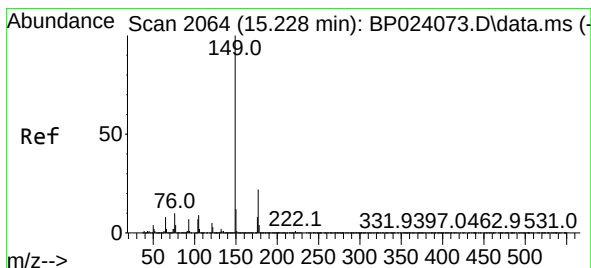
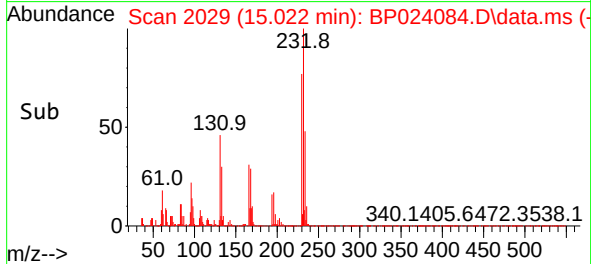
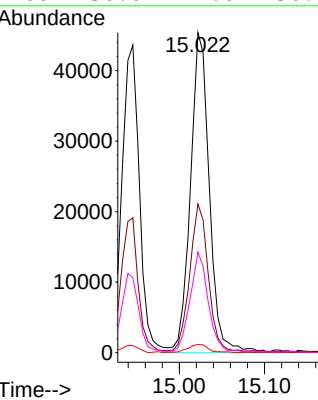
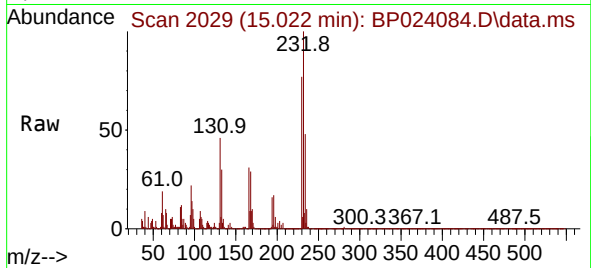
Ion Ratio Lower Upper

232 100

131 44.7 37.3 55.9

130 2.9 1.9 2.9

166 30.0 24.6 36.8



#60

Diethylphthalate

Concen: 4.654 ng

RT: 15.222 min Scan# 2063

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

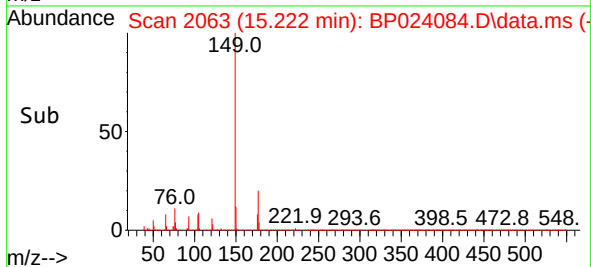
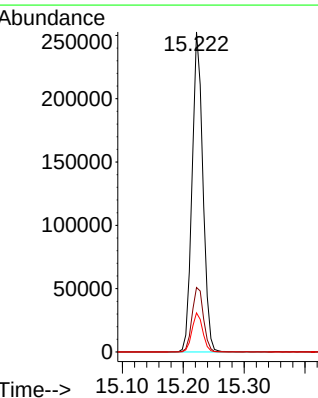
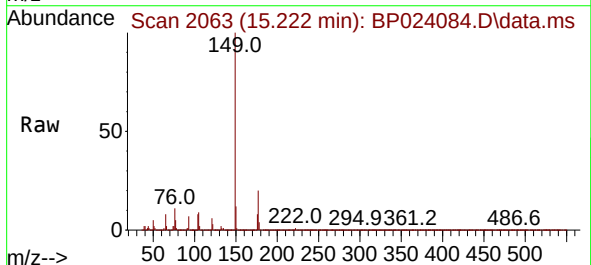
Tgt Ion:149 Resp: 310431

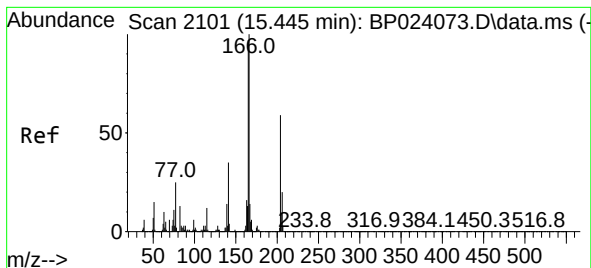
Ion Ratio Lower Upper

149 100

177 20.2 17.9 26.9

150 12.2 9.8 14.6

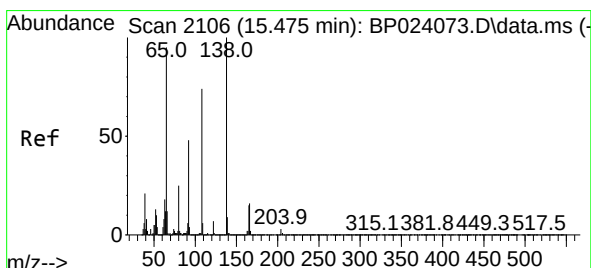
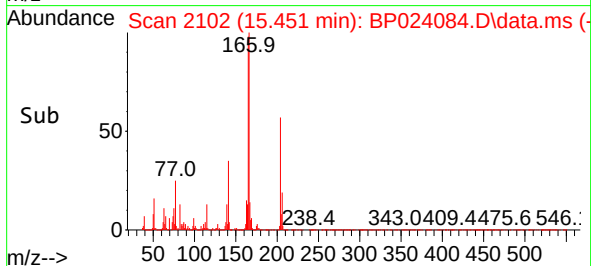
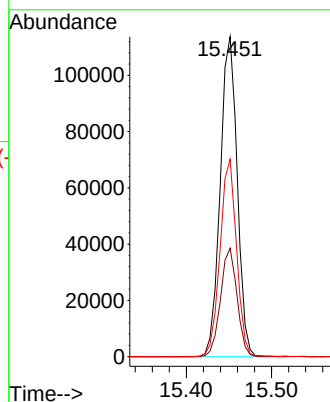
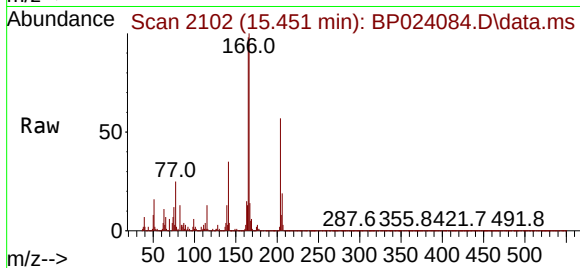




#61
4-Chlorophenyl-phenylether
Concen: 4.745 ng
RT: 15.451 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

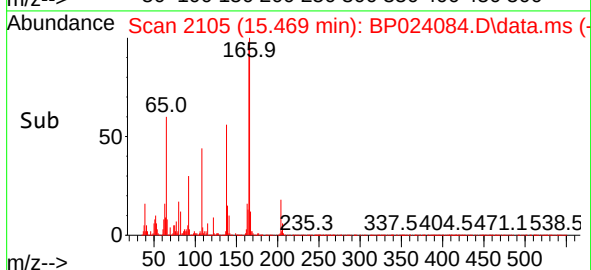
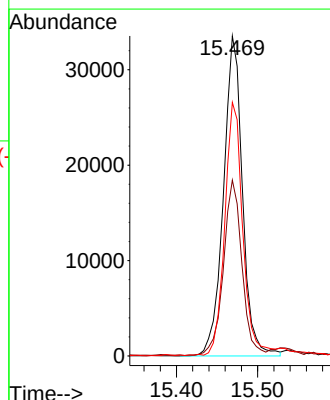
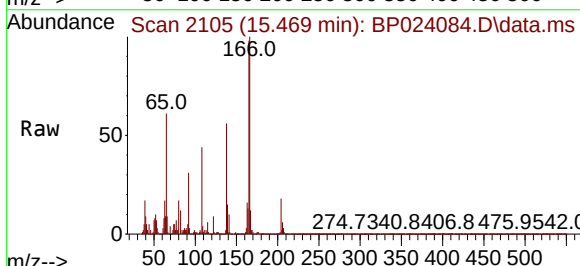
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

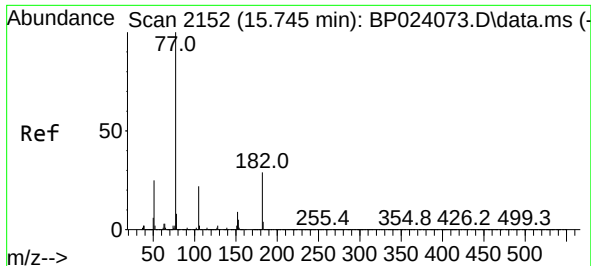
Tgt Ion:204 Resp: 157334
Ion Ratio Lower Upper
204 100
206 33.9 26.6 39.8
141 61.7 47.8 71.6



#62
4-Nitroaniline
Concen: 6.235 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:138 Resp: 54710
Ion Ratio Lower Upper
138 100
92 55.0 28.3 68.3
108 79.3 54.0 94.0

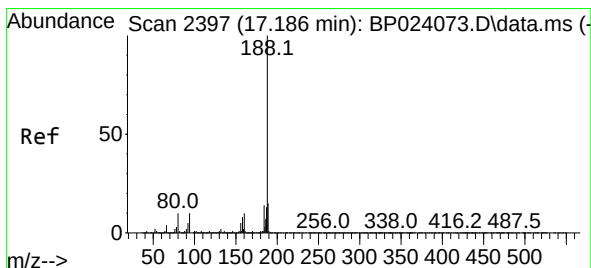
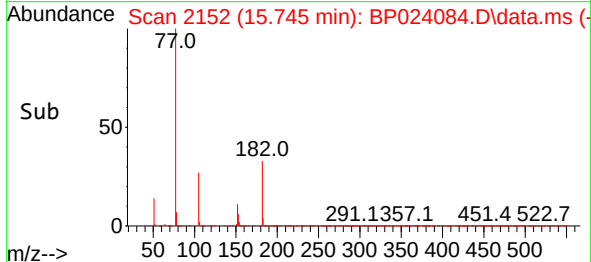
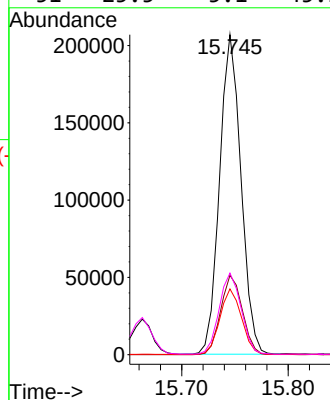
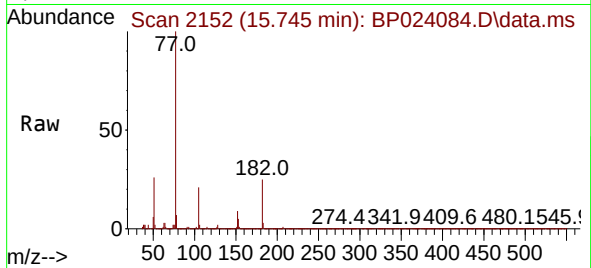




#63
Azobenzene
Concen: 4.613 ng
RT: 15.745 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

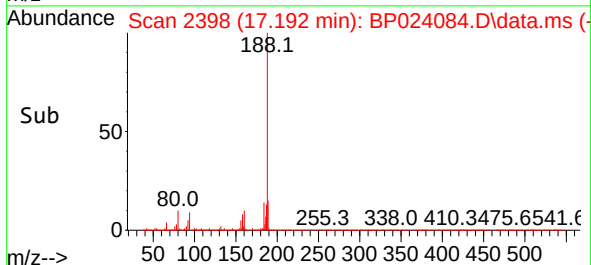
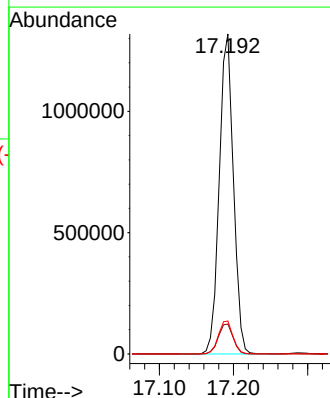
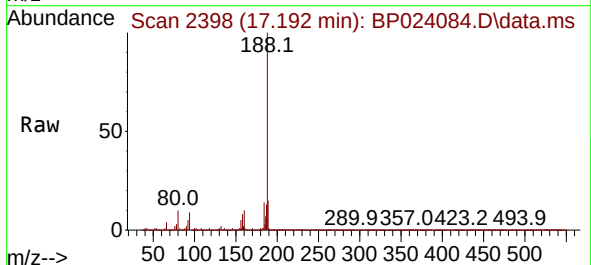
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

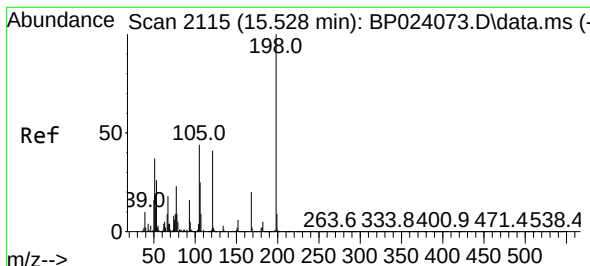
Tgt Ion: 77	Resp: 288371
Ion Ratio	Lower Upper
77 100	
182 24.8	8.5 48.5
105 20.5	1.8 41.8
51 25.5	5.1 45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:188	Resp: 1749717		
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.6	11.4
80	10.3	8.2	12.2

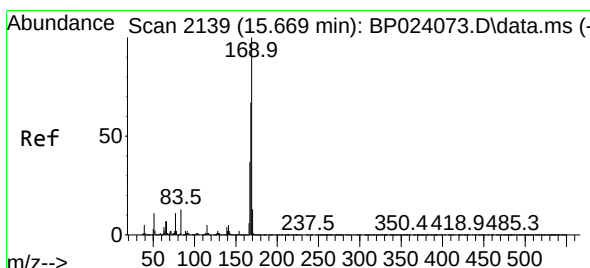
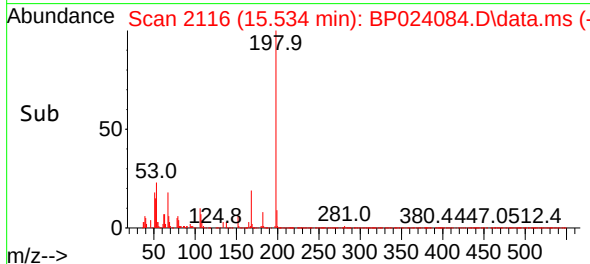
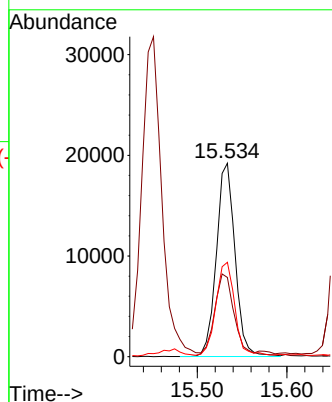
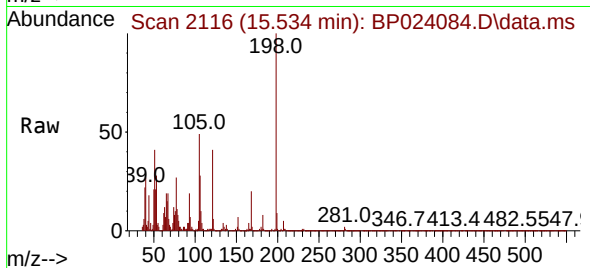




#65
4,6-Dinitro-2-methylphenol
Concen: 8.167 ng
RT: 15.534 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

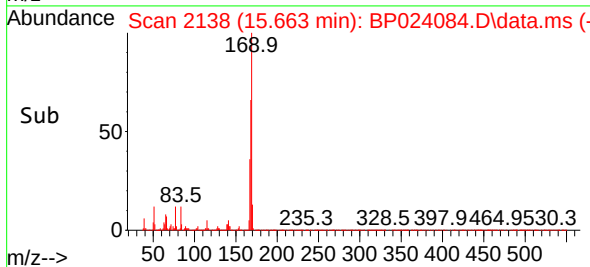
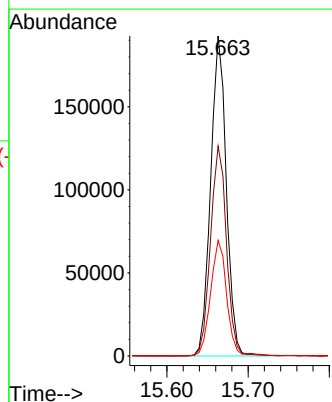
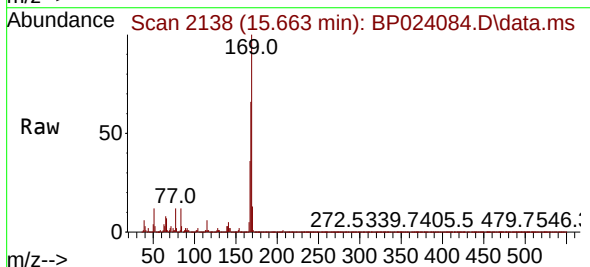
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

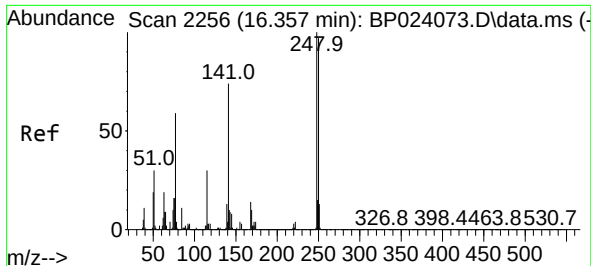
Tgt Ion:198 Resp: 27728
Ion Ratio Lower Upper
198 100
51 40.9 18.7 58.7
105 48.8 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 4.724 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:169 Resp: 257749
Ion Ratio Lower Upper
169 100
168 65.5 53.6 80.4
167 36.1 29.5 44.3

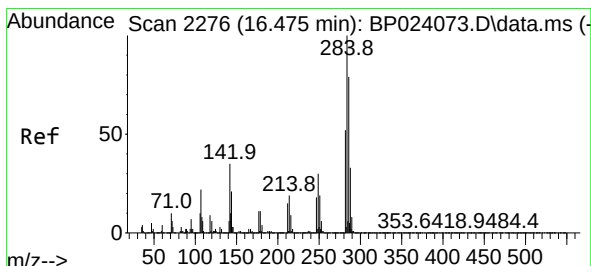
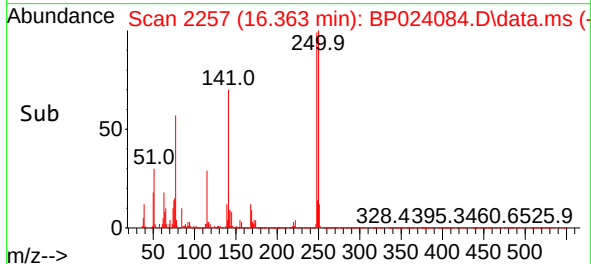
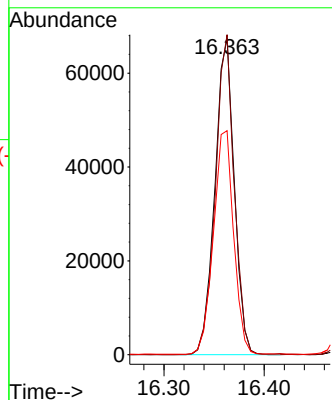
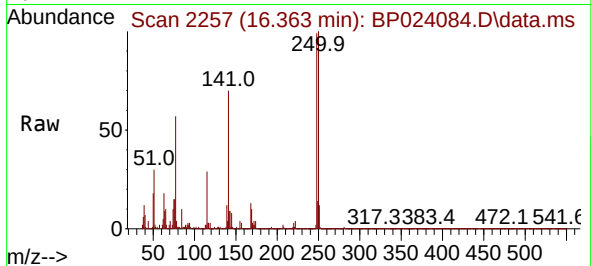




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.363 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

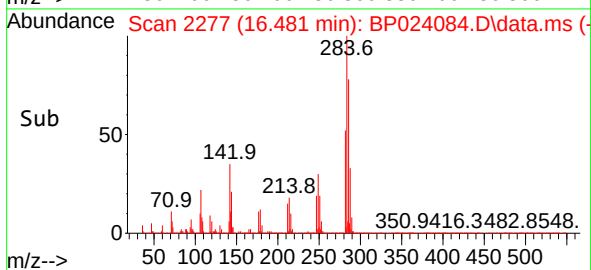
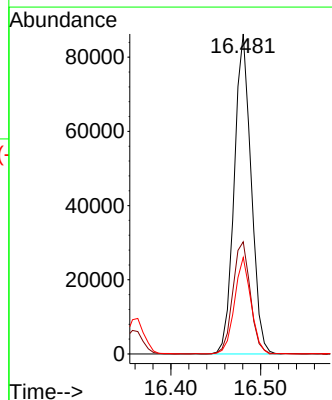
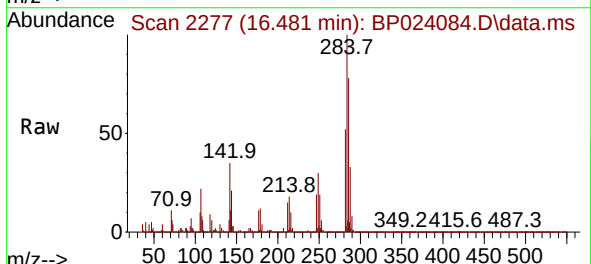
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

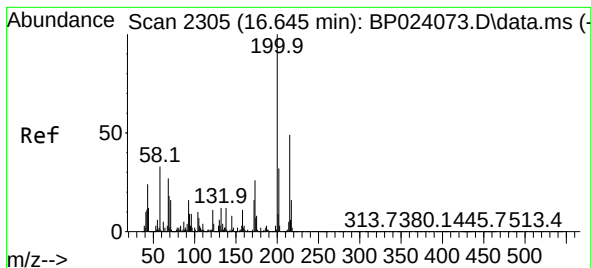
Tgt Ion:248 Resp: 90387
Ion Ratio Lower Upper
248 100
250 101.2 77.9 116.9
141 70.9 58.8 88.2



#68
Hexachlorobenzene
Concen: 4.879 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:284 Resp: 112811
Ion Ratio Lower Upper
284 100
142 35.1 27.7 41.5
249 30.2 23.8 35.6





#69

Atrazine

Concen: 5.238 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

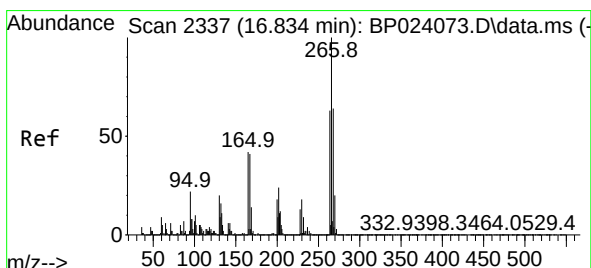
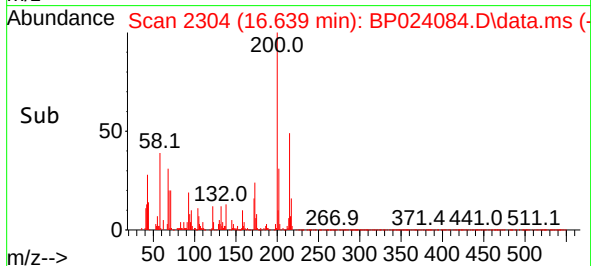
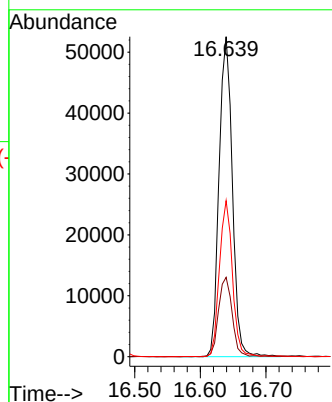
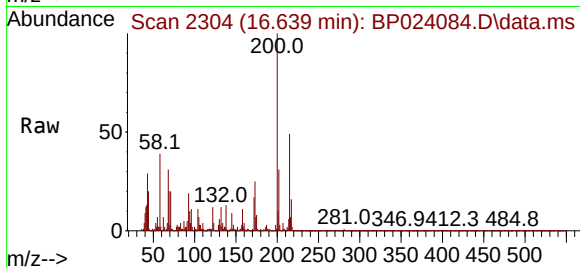
Tgt Ion:200 Resp: 73352

Ion Ratio Lower Upper

200 100

173 24.8 5.7 45.7

215 48.7 28.7 68.7



#70

Pentachlorophenol

Concen: 2.774 ng

RT: 16.839 min Scan# 2338

Delta R.T. 0.005 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

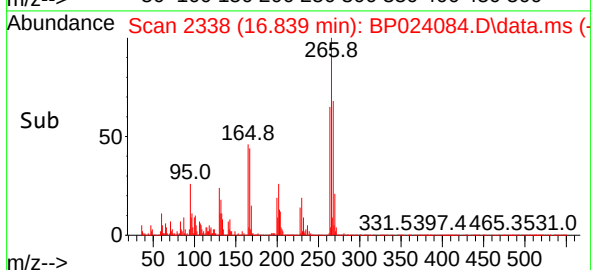
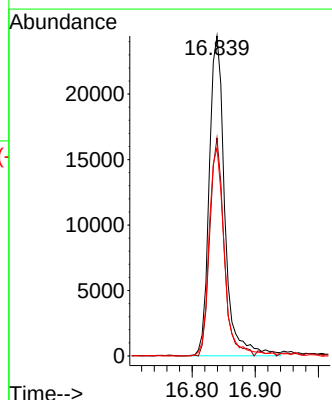
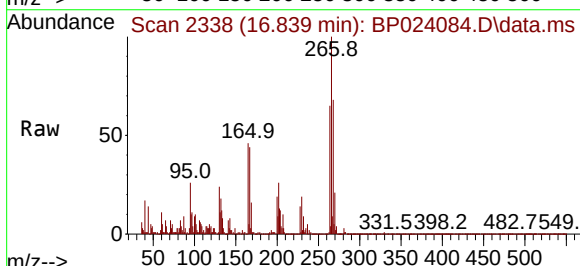
Tgt Ion:266 Resp: 41657

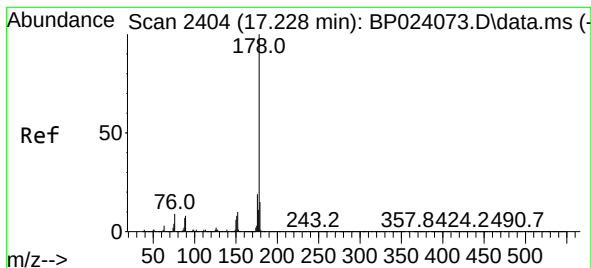
Ion Ratio Lower Upper

266 100

268 68.1 51.3 76.9

264 65.0 50.5 75.7





#71

Phenanthrene

Concen: 4.883 ng

RT: 17.228 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

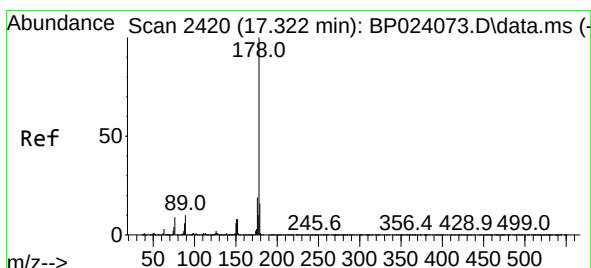
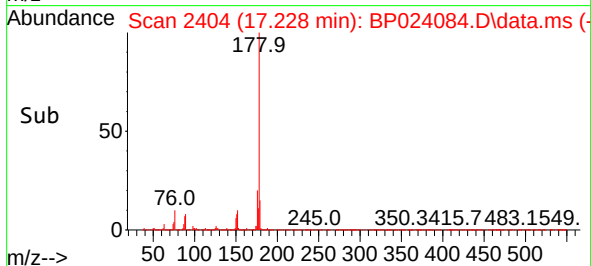
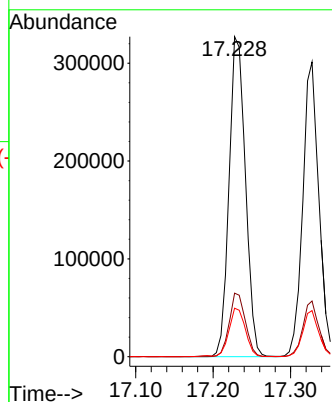
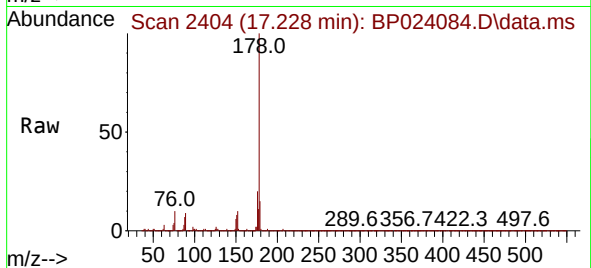
Tgt Ion:178 Resp: 481660

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 4.637 ng

RT: 17.328 min Scan# 2421

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

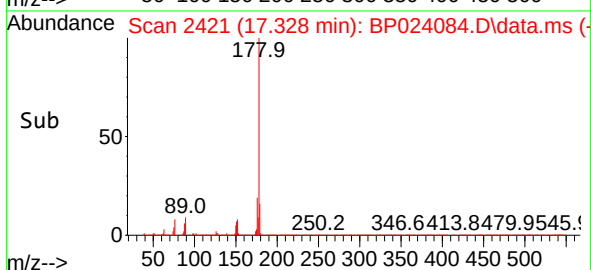
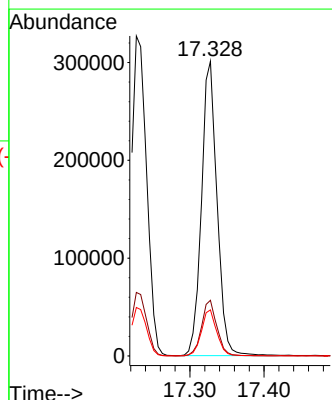
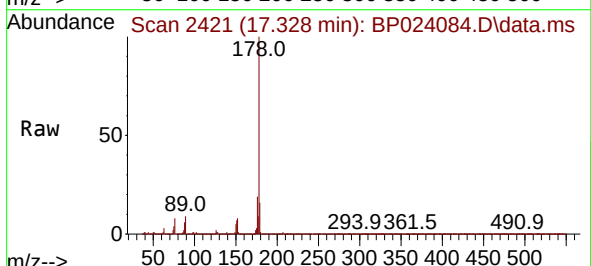
Tgt Ion:178 Resp: 438349

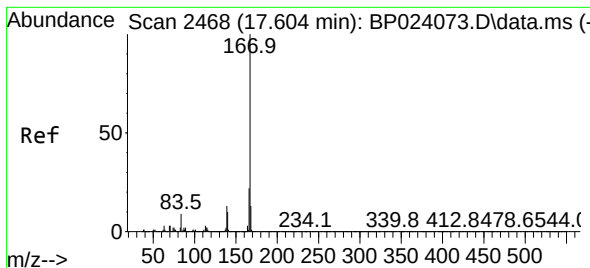
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.6 12.6 19.0





#73

Carbazole

Concen: 4.338 ng

RT: 17.610 min Scan# 2469

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

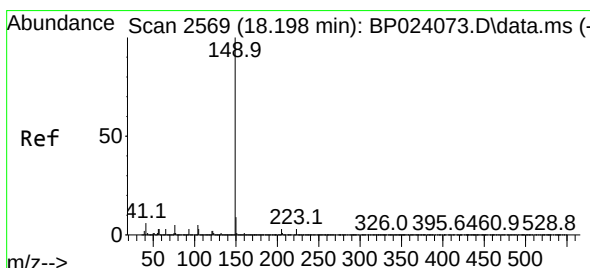
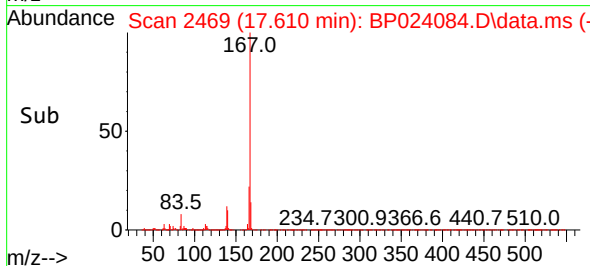
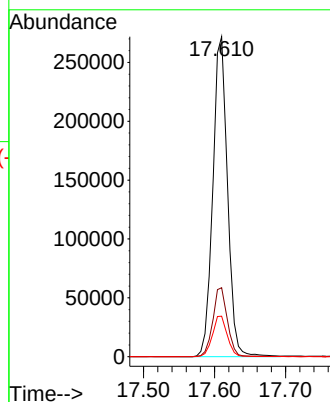
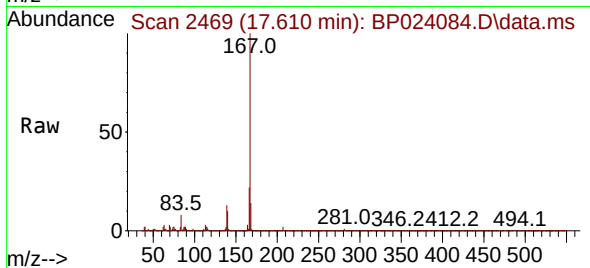
Tgt Ion:167 Resp: 390703

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.6 10.3 15.5



#74

Di-n-butylphthalate

Concen: 3.895 ng

RT: 18.198 min Scan# 2569

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

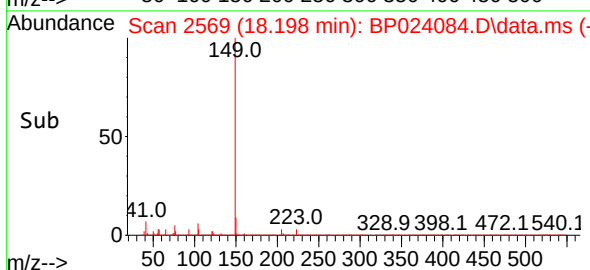
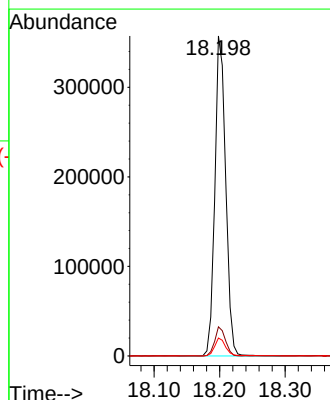
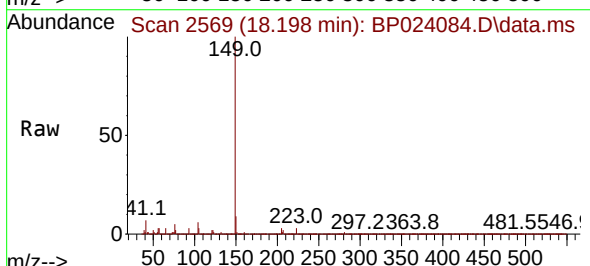
Tgt Ion:149 Resp: 409372

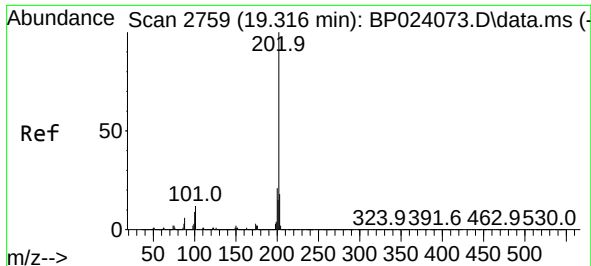
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.6 4.2 6.2

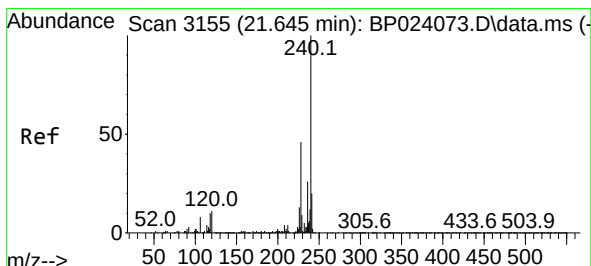
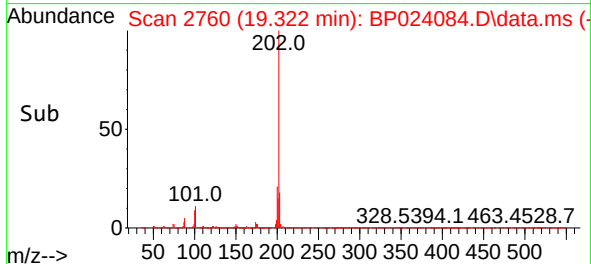
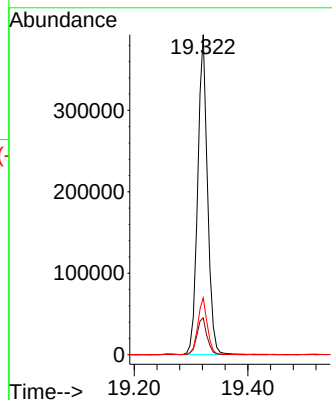
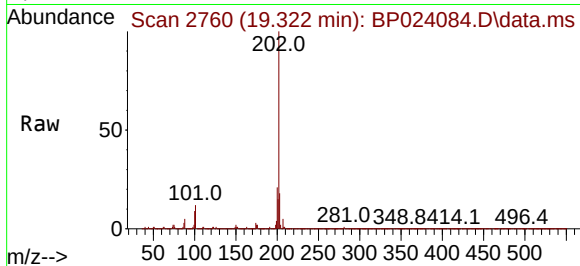




#75
Fluoranthene
Concen: 4.223 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

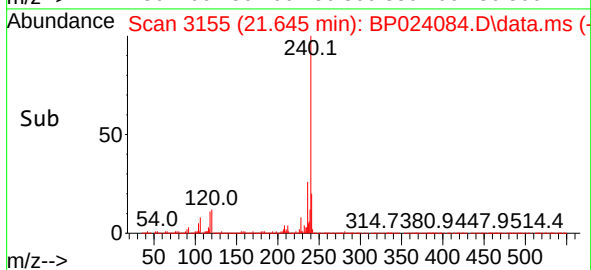
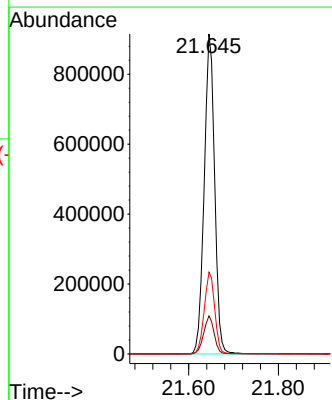
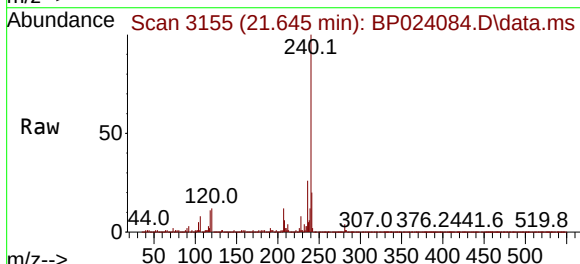
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

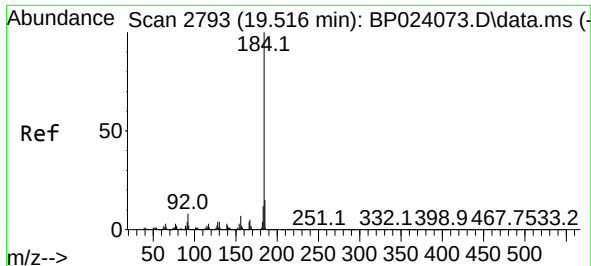
Tgt Ion:202 Resp: 471168
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:240 Resp: 1475565
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.6 20.7 31.1

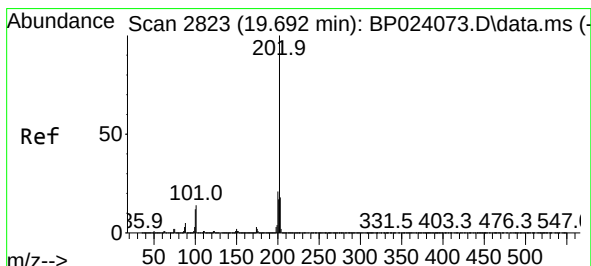
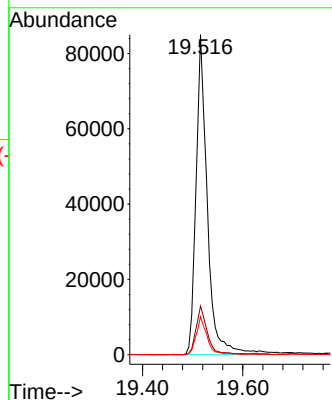
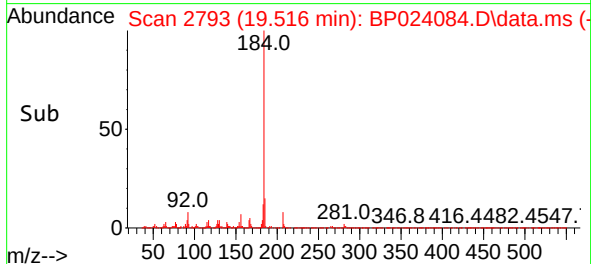
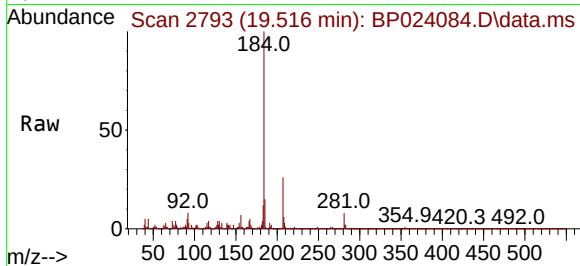




#77
Benzidine
Concen: 7.427 ng
RT: 19.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

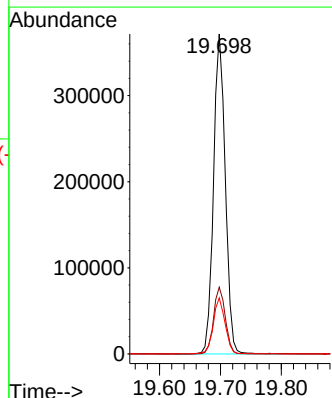
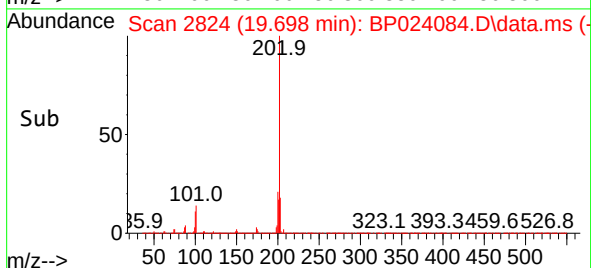
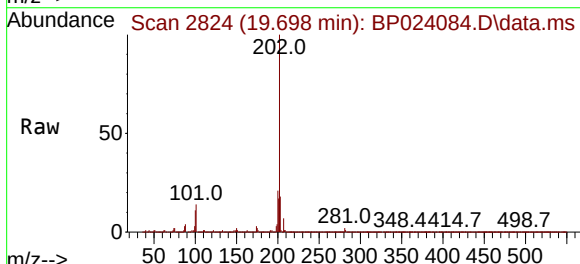
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

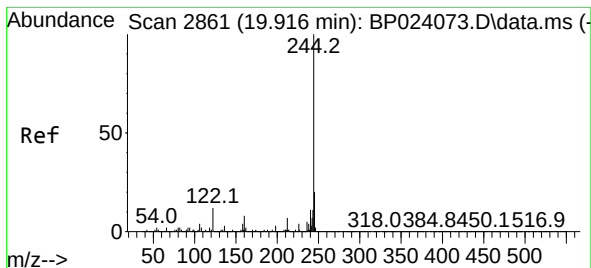
Tgt Ion:184 Resp: 133547
Ion Ratio Lower Upper
184 100
185 15.2 11.8 17.8
183 11.9 9.3 13.9



#78
Pyrene
Concen: 5.318 ng
RT: 19.698 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:202 Resp: 498449
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 82.743 ng

RT: 19.922 min Scan# 2862

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

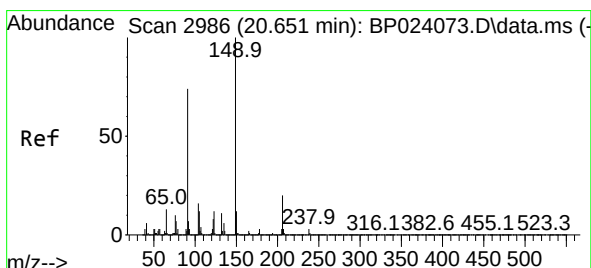
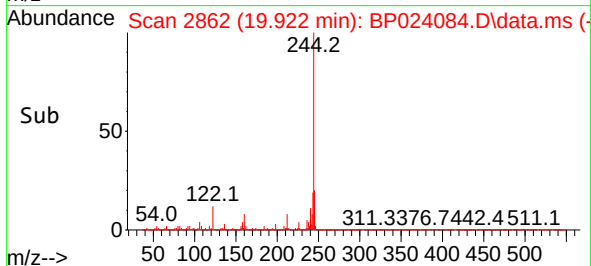
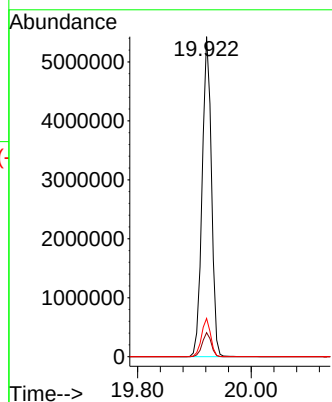
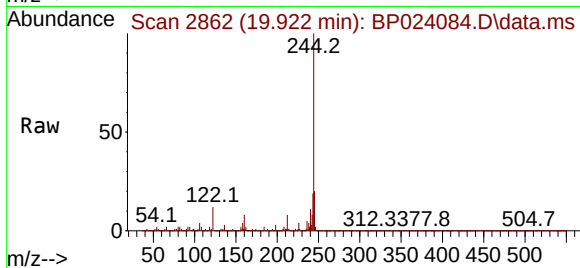
Tgt Ion:244 Resp: 6170236

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 12.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.851 ng

RT: 20.657 min Scan# 2987

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

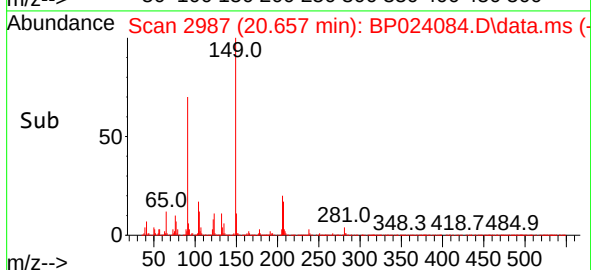
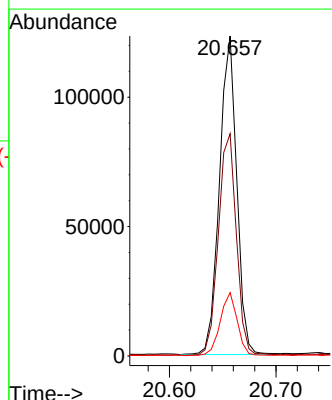
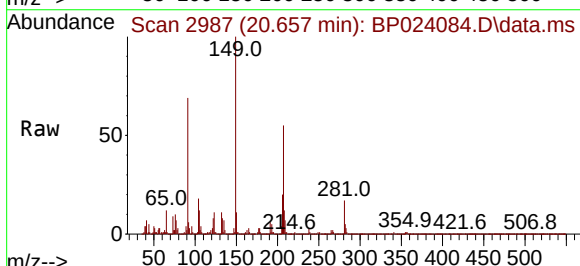
Tgt Ion:149 Resp: 138322

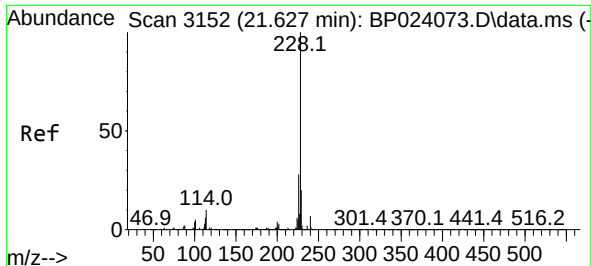
Ion Ratio Lower Upper

149 100

91 69.5 59.4 89.0

206 19.8 16.2 24.2

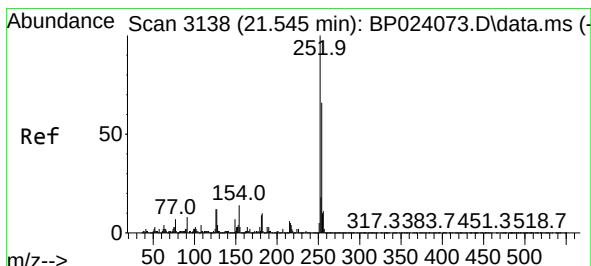
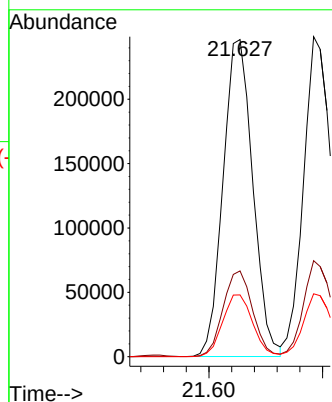
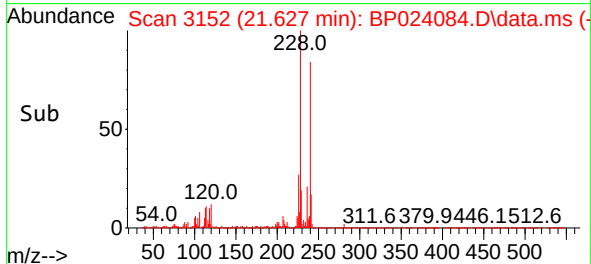
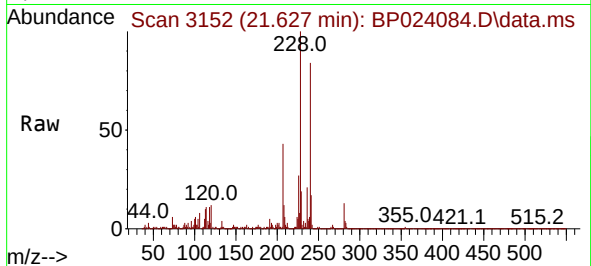




#81
Benzo(a)anthracene
Concen: 4.842 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

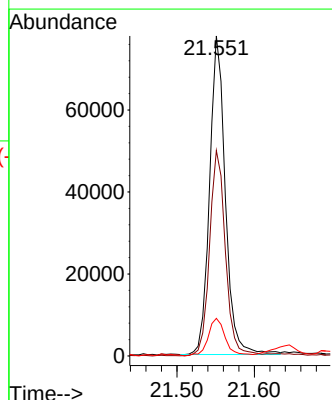
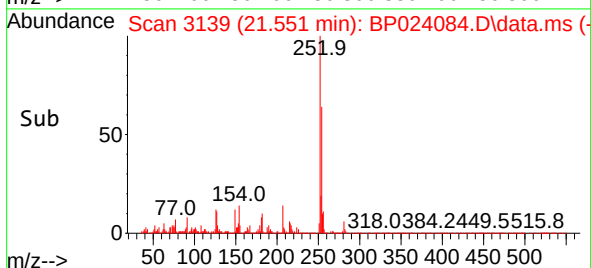
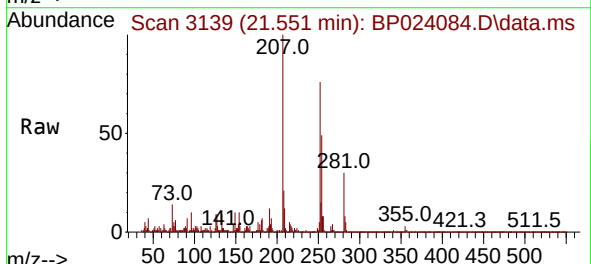
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

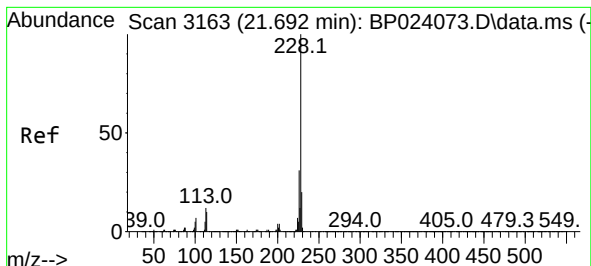
Tgt Ion:	228	Resp:	447962
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.2	33.4
229	19.5	15.8	23.8



#82
3,3'-Dichlorobenzidine
Concen: 3.804 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:	252	Resp:	109986
Ion Ratio	Lower	Upper	
252	100		
254	64.2	52.4	78.6
126	11.7	9.6	14.4





#83

Chrysene

Concen: 4.820 ng

RT: 21.692 min Scan# 3163

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

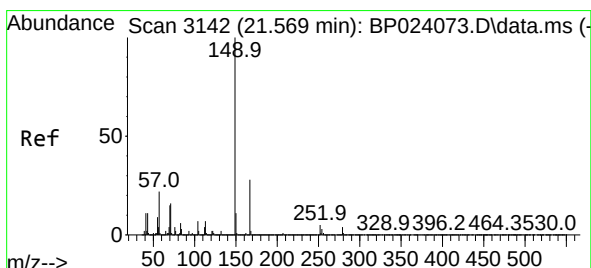
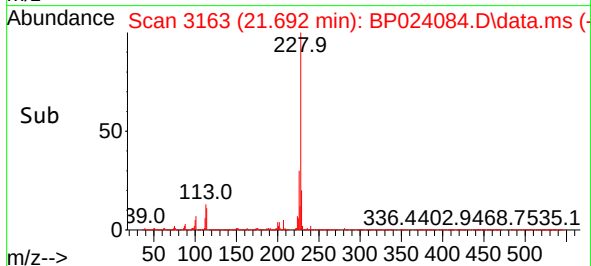
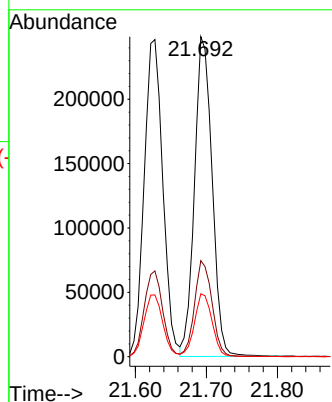
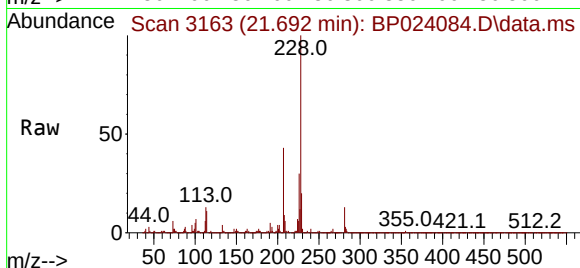
Tgt Ion:228 Resp: 430082

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.465 ng

RT: 21.569 min Scan# 3142

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

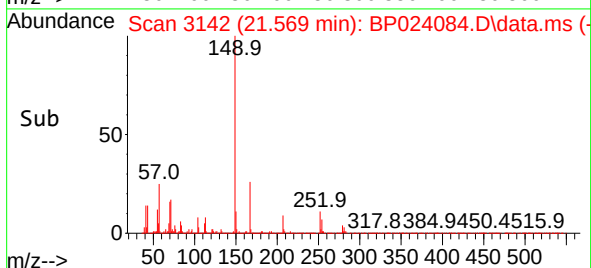
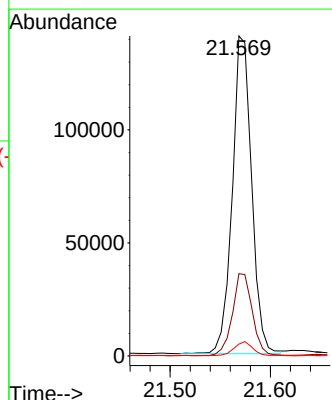
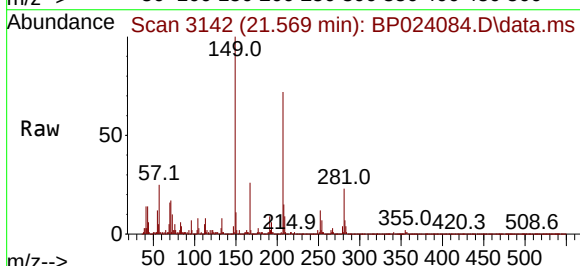
Tgt Ion:149 Resp: 188705

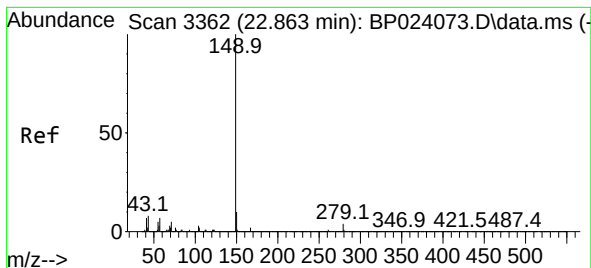
Ion Ratio Lower Upper

149 100

167 25.7 22.2 33.2

279 3.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 2.659 ng

RT: 22.868 min Scan# 31

Delta R.T. 0.005 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

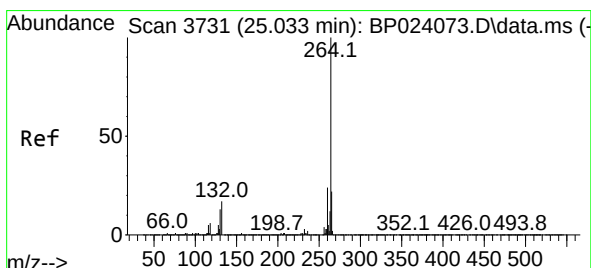
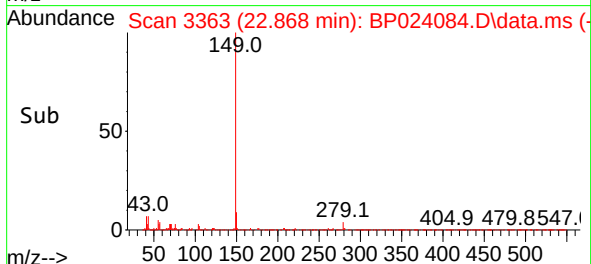
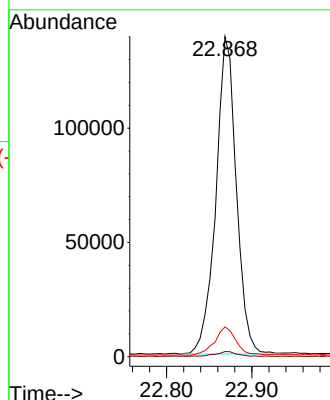
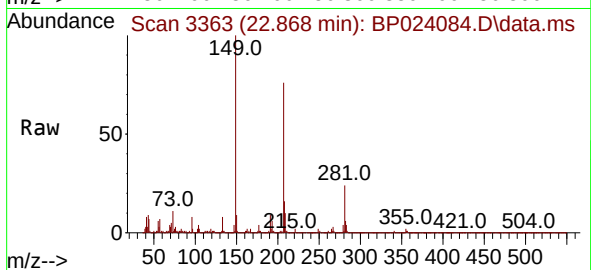
Tgt Ion:149 Resp: 231446

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.3 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.039 min Scan# 3732

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

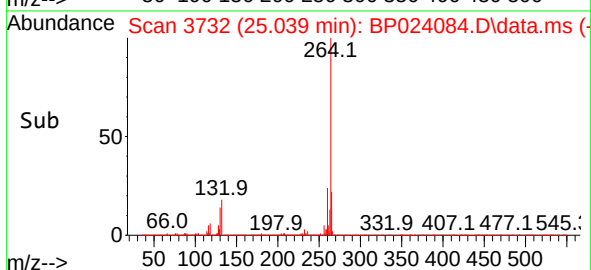
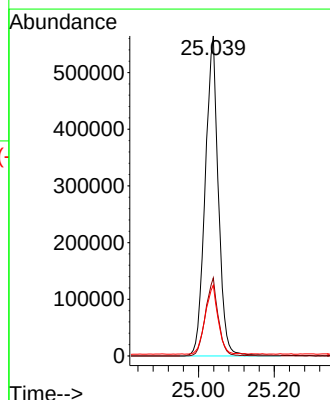
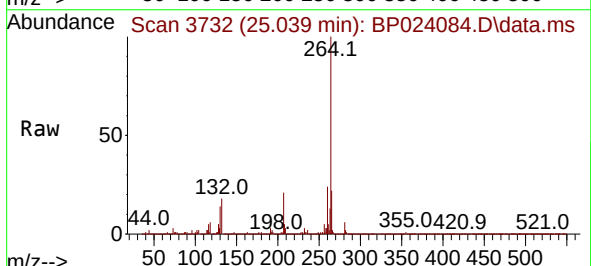
Tgt Ion:264 Resp: 1355182

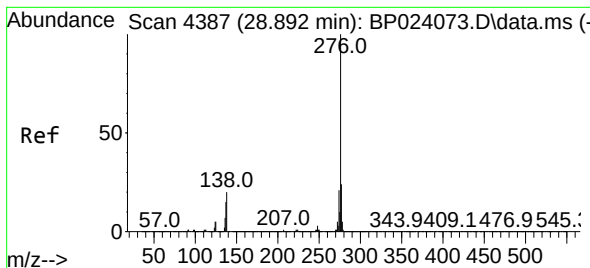
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.2 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.394 ng

RT: 28.874 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

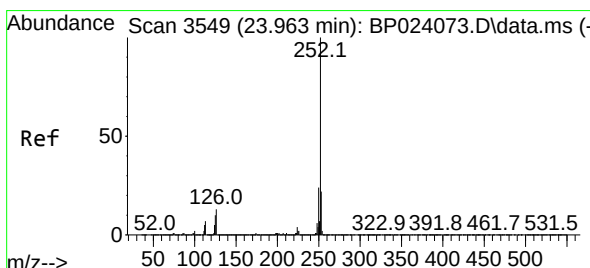
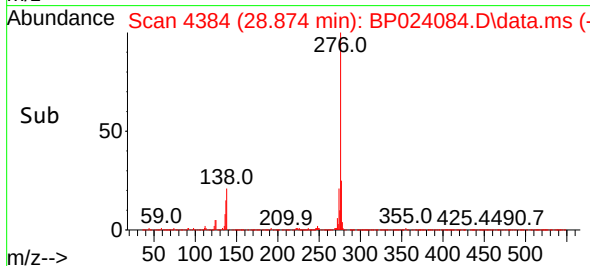
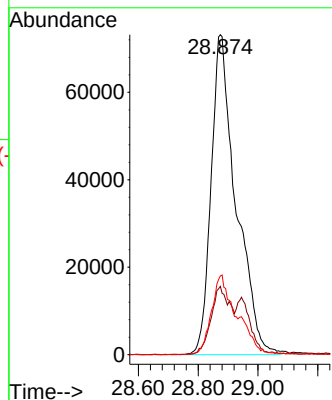
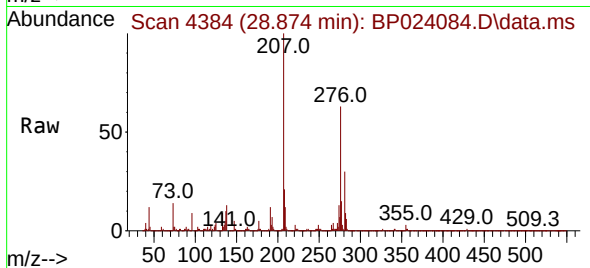
Tgt Ion:276 Resp: 423634

Ion Ratio Lower Upper

276 100

138 16.5 14.2 21.4

277 19.6 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 4.384 ng

RT: 23.951 min Scan# 3547

Delta R.T. -0.012 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

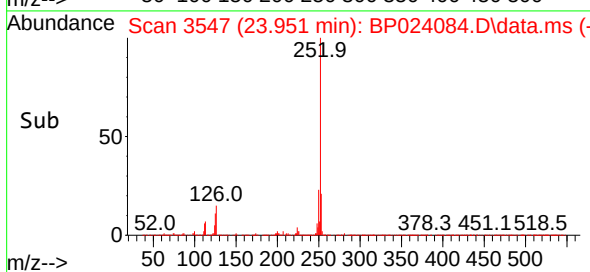
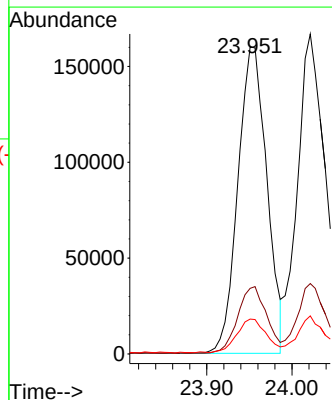
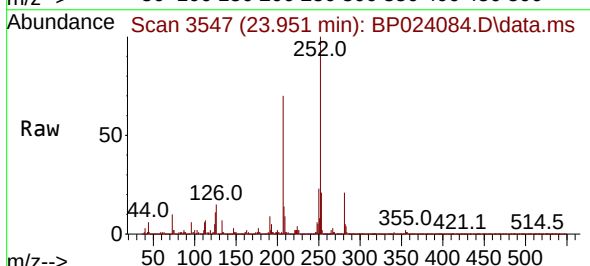
Tgt Ion:252 Resp: 377257

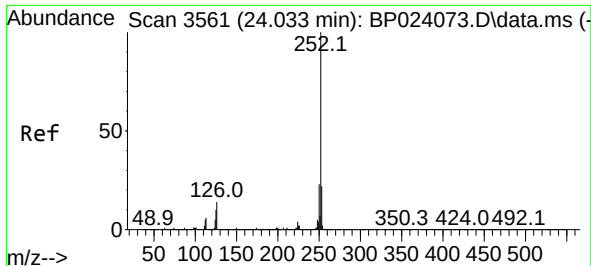
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 11.4 8.4 12.6

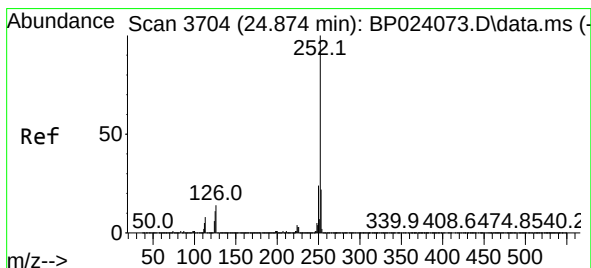
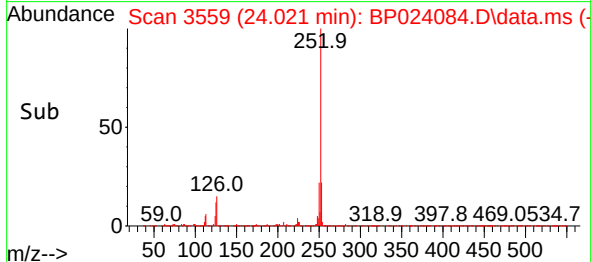
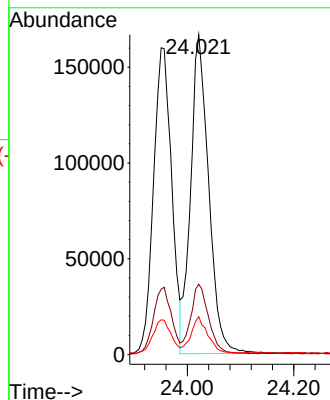
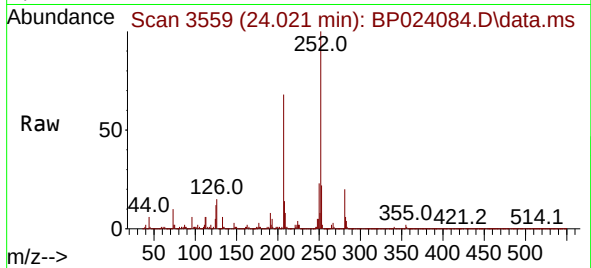




#89
Benzo(k)fluoranthene
Concen: 4.675 ng
RT: 24.021 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

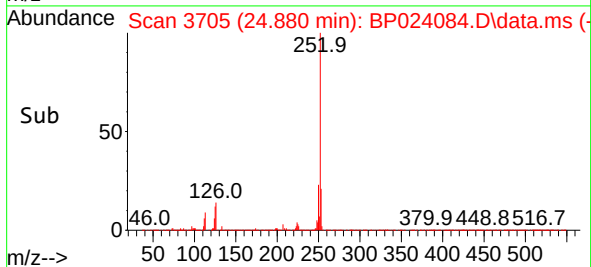
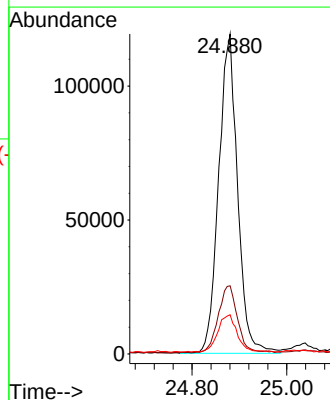
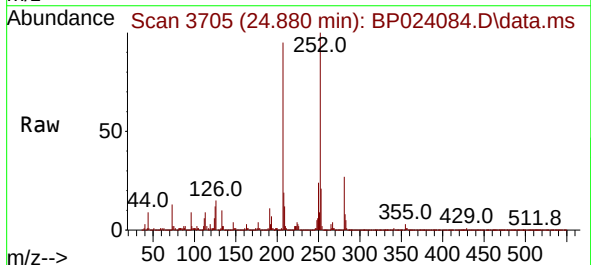
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

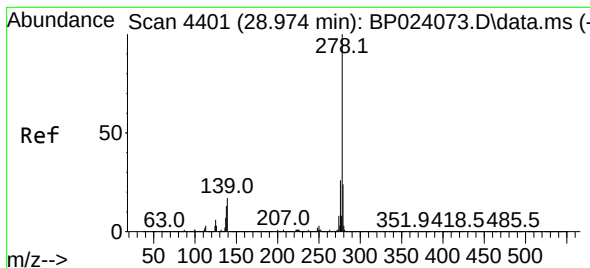
Tgt Ion:252 Resp: 391597
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.9 8.1 12.1



#90
Benzo(a)pyrene
Concen: 4.531 ng
RT: 24.880 min Scan# 3705
Delta R.T. 0.006 min
Lab File: BP024084.D
Acq: 18 Feb 2025 14:34

Tgt Ion:252 Resp: 330916
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 12.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.406 ng

RT: 28.951 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

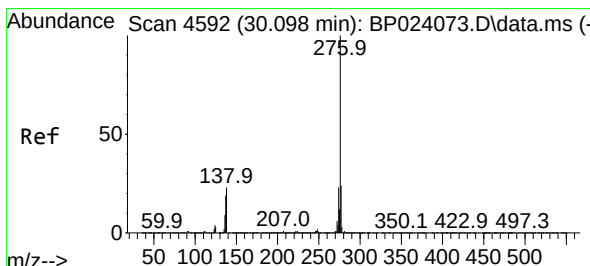
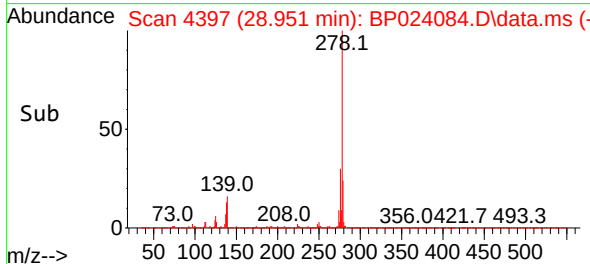
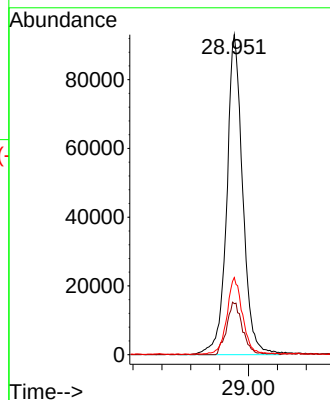
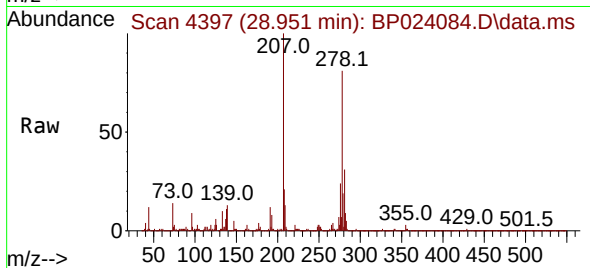
Tgt Ion:278 Resp: 357185

Ion Ratio Lower Upper

278 100

139 16.0 13.4 20.0

279 24.1 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 4.571 ng

RT: 30.056 min Scan# 4585

Delta R.T. -0.041 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Tgt Ion:276 Resp: 375982

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 23.8 18.1 27.1

