

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024088.D
 Acq On : 18 Feb 2025 17:58
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 19 00:51:51 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	345466	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1294695	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	656806	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1117933	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1119151	20.000	ng	0.00
86) Perylene-d12	25.033	264	1190641	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1348699	60.916	ng	0.00
7) Phenol-d6	6.940	99	1794568	63.065	ng	0.00
23) Nitrobenzene-d5	8.905	82	1446465	62.329	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	436748	54.287	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	3016164	64.199	ng	0.00
79) Terphenyl-d14	19.928	244	3434150	60.718	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	77323	8.903	ng	98
3) Pyridine	3.717	79	179350	7.943	ng	97
4) n-Nitrosodimethylamine	3.623	42	67758	8.459	ng	# 89
6) Aniline	7.093	93	266940	10.243	ng	99
8) 2-Chlorophenol	7.334	128	199192	8.500	ng	97
9) Benzaldehyde	6.911	77	169954	13.082	ng	99
10) Phenol	6.969	94	247122	8.636	ng	99
11) bis(2-Chloroethyl)ether	7.187	93	195416	8.671	ng	99
12) 1,3-Dichlorobenzene	7.652	146	227900	8.853	ng	99
13) 1,4-Dichlorobenzene	7.799	146	233789	8.980	ng	99
14) 1,2-Dichlorobenzene	8.111	146	221037	8.846	ng	100
15) Benzyl Alcohol	7.999	79	140811	8.084	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	202925	9.275	ng	98
17) 2-Methylphenol	8.205	107	143469	8.228	ng	98
18) Hexachloroethane	8.834	117	83850	8.943	ng	98
19) n-Nitroso-di-n-propyla...	8.558	70	125765	8.220	ng	99
20) 3+4-Methylphenols	8.528	107	187965	7.924	ng	99
22) Acetophenone	8.575	105	291260	8.754	ng	# 98
24) Nitrobenzene	8.946	77	210968	9.237	ng	97
25) Isophorone	9.475	82	305711	8.056	ng	99
26) 2-Nitrophenol	9.657	139	72607	6.900	ng	97
27) 2,4-Dimethylphenol	9.722	122	127199	9.209	ng	98
28) bis(2-Chloroethoxy)met...	9.946	93	230720	8.392	ng	99
29) 2,4-Dichlorophenol	10.193	162	140447	7.451	ng	99
30) 1,2,4-Trichlorobenzene	10.399	180	181828	8.419	ng	99
31) Naphthalene	10.587	128	600692	8.629	ng	100
32) Benzoic acid	9.799	122	57930	10.862	ng	96
33) 4-Chloroaniline	10.699	127	198161	8.080	ng	98
34) Hexachlorobutadiene	10.875	225	105639	8.445	ng	98
35) Caprolactam	11.469	113	30856	9.869	ng	99
36) 4-Chloro-3-methylphenol	11.828	107	125129	6.457	ng	98
37) 2-Methylnaphthalene	12.199	142	360472	7.791	ng	98
38) 1-Methylnaphthalene	12.422	142	336588	7.478	ng	100
40) 1,2,4,5-Tetrachloroben...	12.569	216	182872	9.062	ng	99
41) Hexachlorocyclopentadiene	12.551	237	84186	11.211	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	87247	7.089	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024088.D
 Acq On : 18 Feb 2025 17:58
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

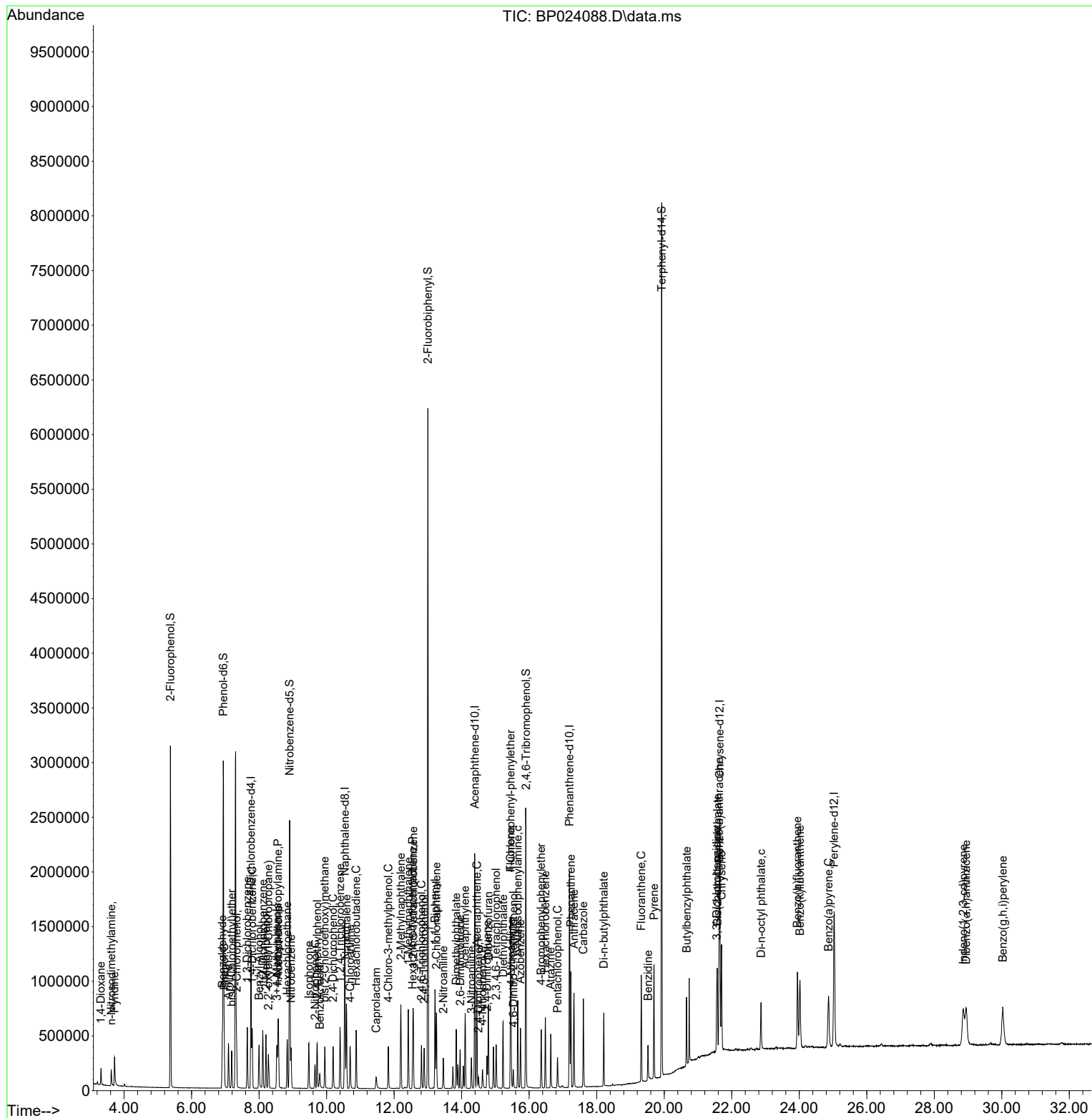
Quant Time: Feb 19 00:51:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

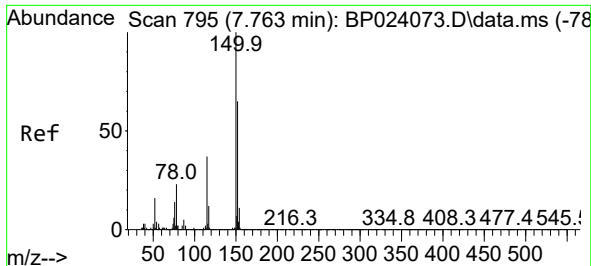
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	98582	7.324	ng	96
46) 1,1'-Biphenyl	13.210	154	459404	9.001	ng	99
47) 2-Chloronaphthalene	13.257	162	340882	8.835	ng	100
48) 2-Nitroaniline	13.457	65	66891	7.339	ng	95
49) Acenaphthylene	14.104	152	488130	8.587	ng	99
50) Dimethylphthalate	13.840	163	365961	7.899	ng	99
51) 2,6-Dinitrotoluene	13.957	165	68549	7.263	ng	95
52) Acenaphthene	14.451	154	313239	8.557	ng	100
53) 3-Nitroaniline	14.293	138	70617	7.012	ng	# 96
54) 2,4-Dinitrophenol	14.498	184	21673	10.924	ng	92
55) Dibenzofuran	14.793	168	488375	8.213	ng	100
56) 4-Nitrophenol	14.616	139	49253	5.662	ng	93
57) 2,4-Dinitrotoluene	14.751	165	79373	6.474	ng	92
58) Fluorene	15.451	166	370179	7.971	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	81972	7.020	ng	100
60) Diethylphthalate	15.228	149	343339	7.465	ng	99
61) 4-Chlorophenyl-phenylether	15.451	204	179755	7.864	ng	99
62) 4-Nitroaniline	15.469	138	67826	8.587	ng	93
63) Azobenzene	15.740	77	336786	7.815	ng	94
65) 4,6-Dinitro-2-methylph...	15.534	198	33748	10.120	ng	99
66) n-Nitrosodiphenylamine	15.663	169	296883	8.516	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	101672	8.099	ng	99
68) Hexachlorobenzene	16.481	284	123548	8.364	ng	96
69) Atrazine	16.639	200	85483	9.555	ng	100
70) Pentachlorophenol	16.839	266	49514	5.161	ng	98
71) Phenanthrene	17.234	178	557532	8.846	ng	99
72) Anthracene	17.328	178	518418	8.583	ng	99
73) Carbazole	17.604	167	464736	8.076	ng	99
74) Di-n-butylphthalate	18.210	149	459269	6.840	ng	99
75) Fluoranthene	19.322	202	555714	7.795	ng	99
77) Benzidine	19.522	184	201786	14.796	ng	99
78) Pyrene	19.698	202	592282	8.332	ng	99
80) Butylbenzylphthalate	20.663	149	176328	6.473	ng	95
81) Benzo(a)anthracene	21.627	228	599478	8.542	ng	99
82) 3,3'-Dichlorobenzidine	21.557	252	168318	7.676	ng	98
83) Chrysene	21.698	228	586917	8.673	ng	97
84) Bis(2-ethylhexyl)phtha...	21.575	149	263541	6.380	ng	97
85) Di-n-octyl phthalate	22.869	149	367329	5.563	ng	98
87) Indeno(1,2,3-cd)pyrene	28.856	276	604169	7.133	ng	92
88) Benzo(b)fluoranthene	23.945	252	584917	7.736	ng	99
89) Benzo(k)fluoranthene	24.021	252	581292	7.899	ng	99
90) Benzo(a)pyrene	24.868	252	516739	8.053	ng	98
91) Dibenzo(a,h)anthracene	28.945	278	588489	8.263	ng	99
92) Benzo(g,h,i)perylene	30.027	276	562676	7.786	ng	98

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

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

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

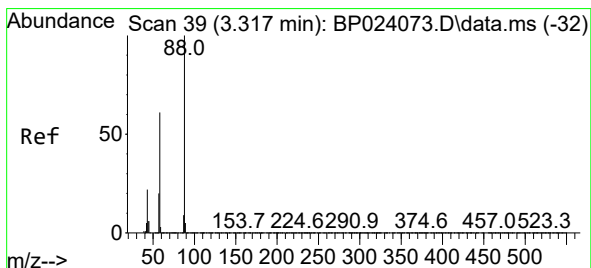
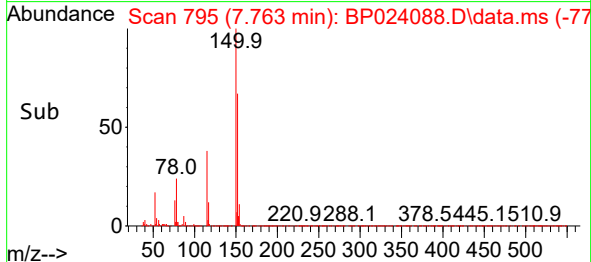
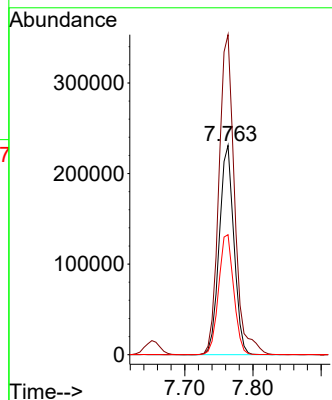
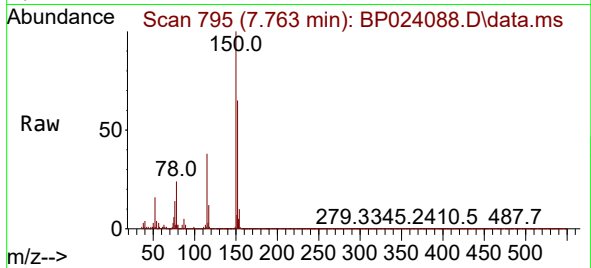




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58

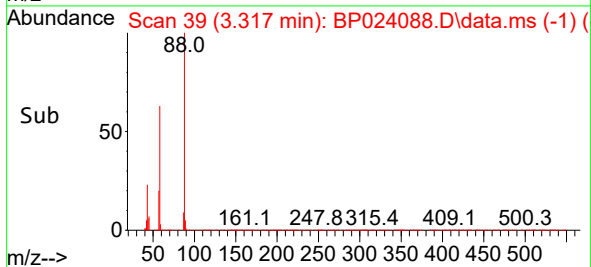
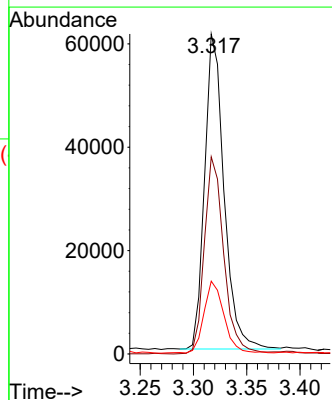
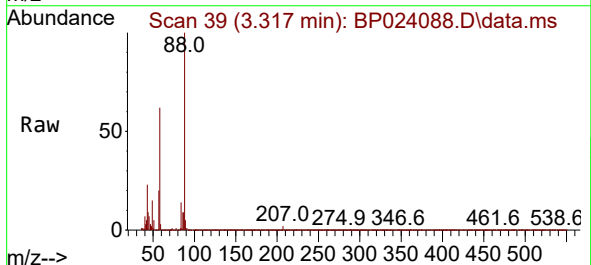
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

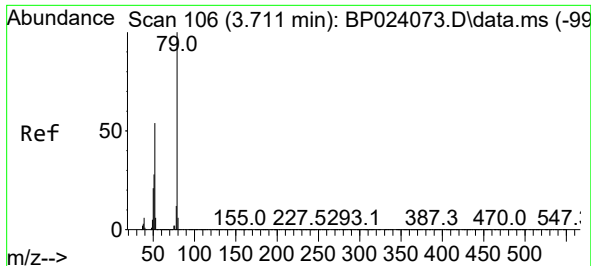
Tgt Ion:152 Resp: 345466
 Ion Ratio Lower Upper
 152 100
 150 152.9 122.4 183.6
 115 57.3 45.0 67.6



#2
 1,4-Dioxane
 Concen: 8.903 ng
 RT: 3.317 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58

Tgt Ion: 88 Resp: 77323
 Ion Ratio Lower Upper
 88 100
 58 62.7 49.1 73.7
 43 23.8 18.0 27.0

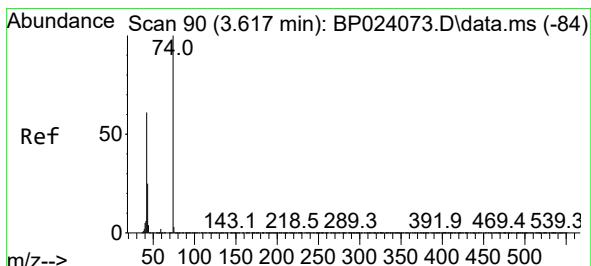
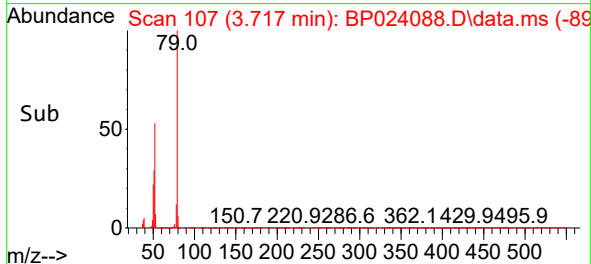
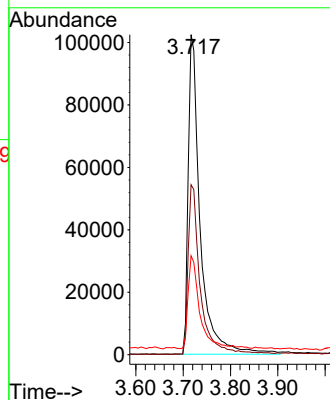
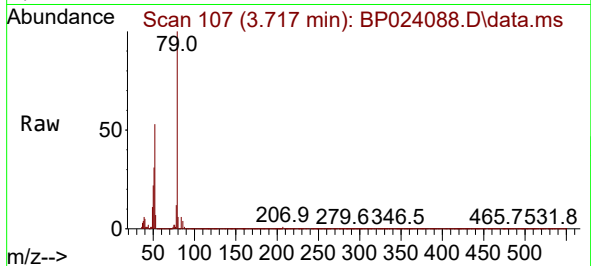




#3
Pyridine
Concen: 7.943 ng
RT: 3.717 min Scan# 106
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

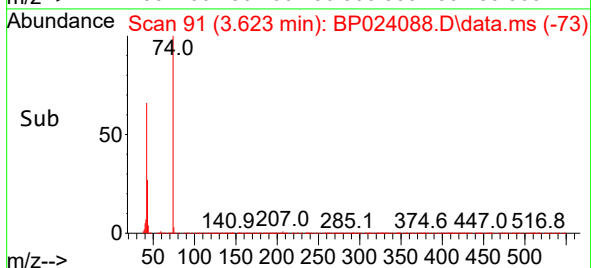
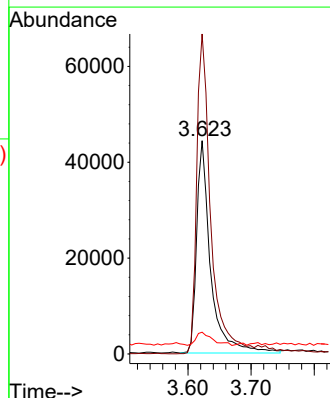
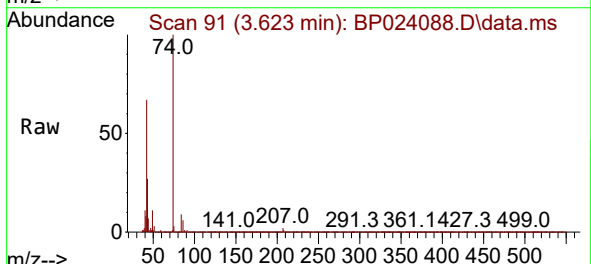
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

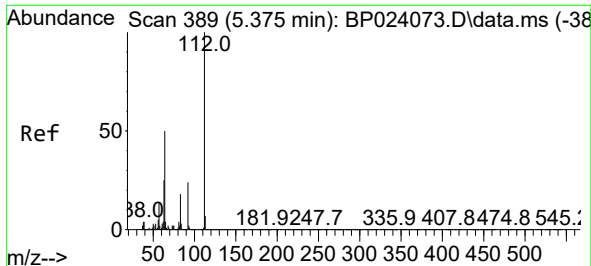
Tgt Ion: 79 Resp: 179350
Ion Ratio Lower Upper
79 100
52 53.1 43.5 65.3
51 30.9 22.2 33.4



#4
n-Nitrosodimethylamine
Concen: 8.459 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 42 Resp: 67758
Ion Ratio Lower Upper
42 100
74 150.0 132.0 198.0
44 10.2 5.3 7.9

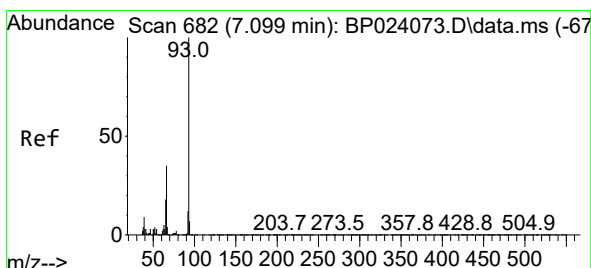
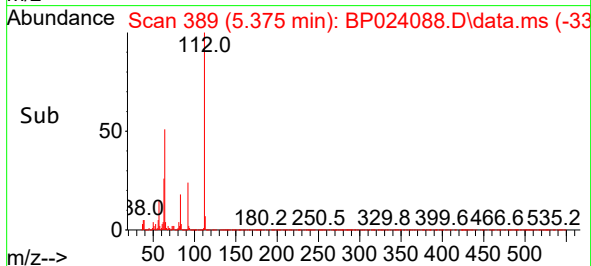
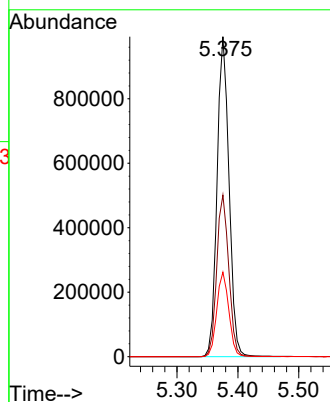
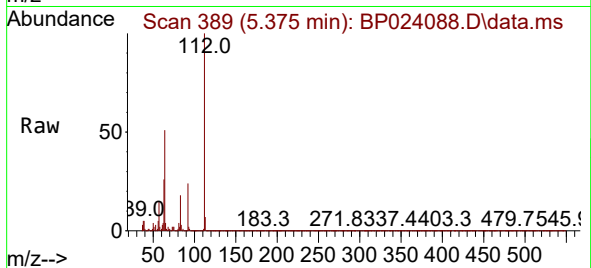




#5
2-Fluorophenol
Concen: 60.916 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

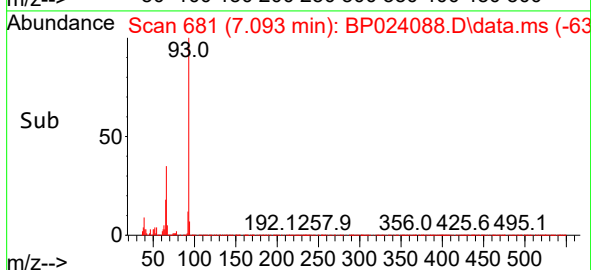
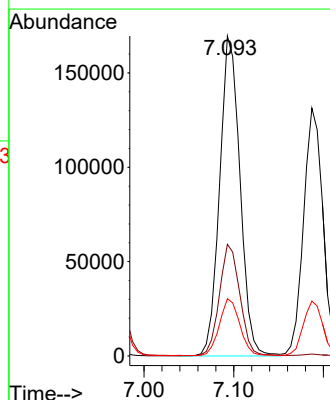
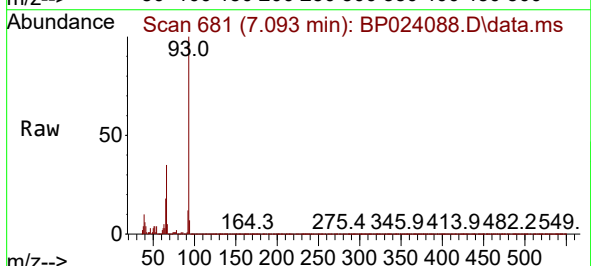
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

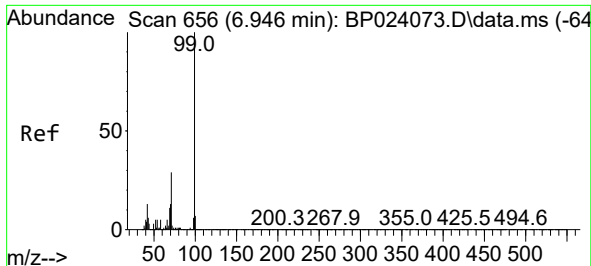
Tgt Ion:112 Resp: 1348699
Ion Ratio Lower Upper
112 100
64 50.5 39.6 59.4
63 26.4 20.3 30.5



#6
Aniline
Concen: 10.243 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 93 Resp: 266940
Ion Ratio Lower Upper
93 100
66 34.9 28.2 42.4
65 17.9 14.1 21.1

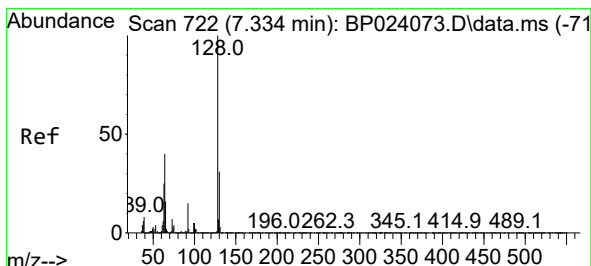
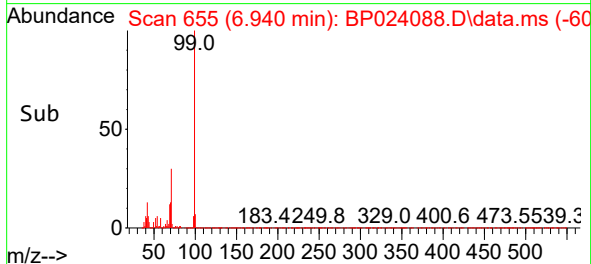
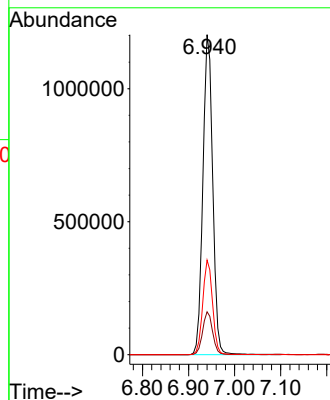
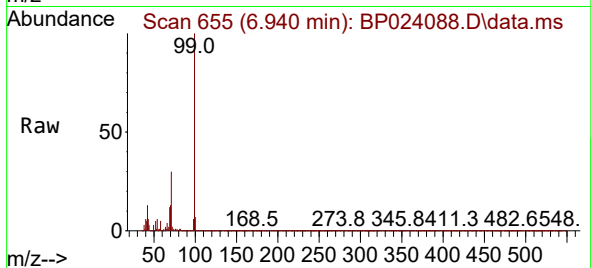




#7
Phenol-d6
Concen: 63.065 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

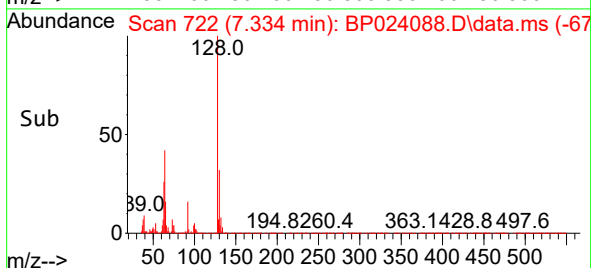
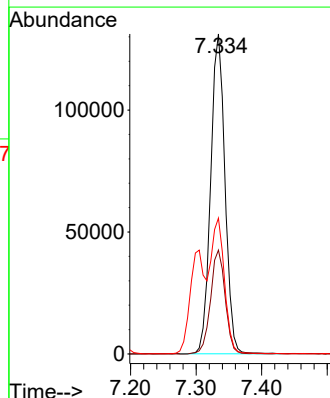
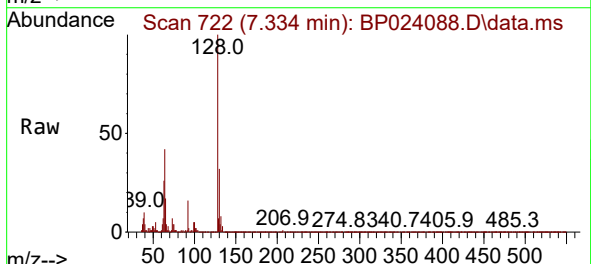
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

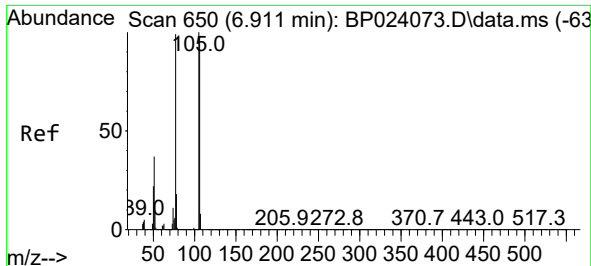
Tgt Ion: 99 Resp: 1794568
Ion Ratio Lower Upper
99 100
42 13.4 10.3 15.5
71 29.5 22.9 34.3



#8
2-Chlorophenol
Concen: 8.500 ng
RT: 7.334 min Scan# 722
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 128 Resp: 199192
Ion Ratio Lower Upper
128 100
130 32.4 11.5 51.5
64 42.5 19.8 59.8

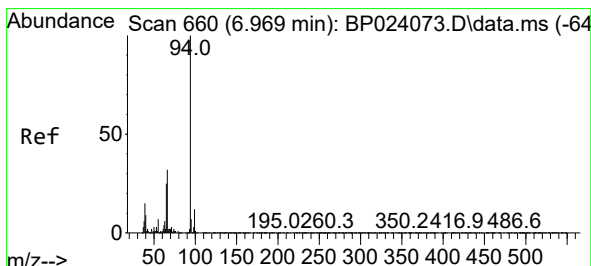
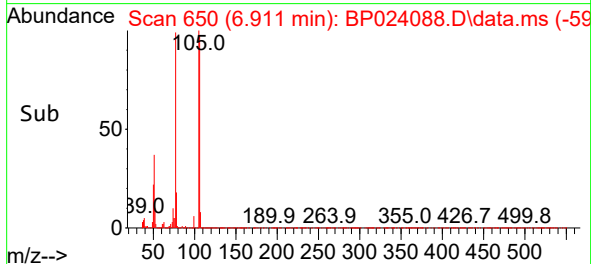
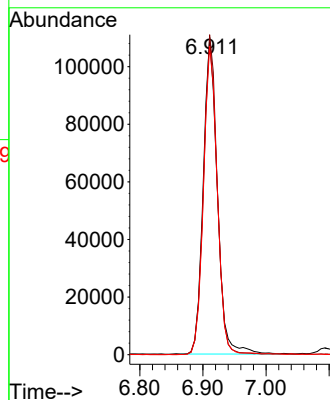
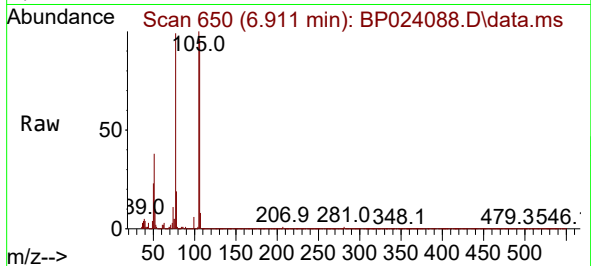




#9
Benzaldehyde
Concen: 13.082 ng
RT: 6.911 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

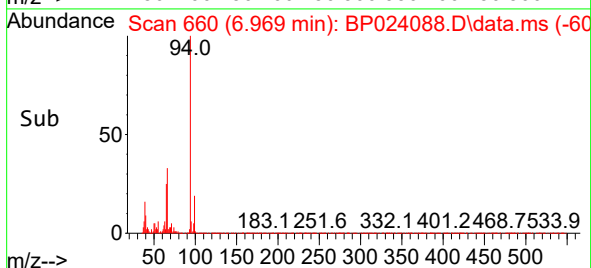
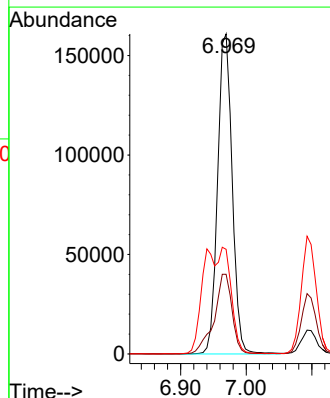
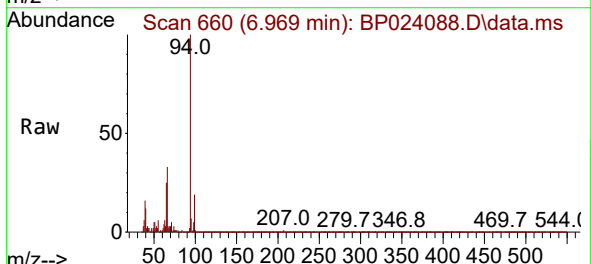
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

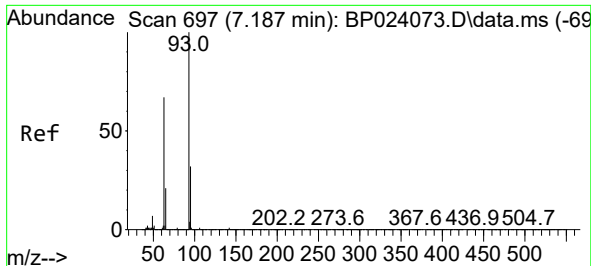
Tgt Ion: 77 Resp: 169954
Ion Ratio Lower Upper
77 100
105 100.8 81.4 121.4
106 97.2 79.0 119.0



#10
Phenol
Concen: 8.636 ng
RT: 6.969 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 94 Resp: 247122
Ion Ratio Lower Upper
94 100
65 24.9 5.0 45.0
66 32.7 11.6 51.6

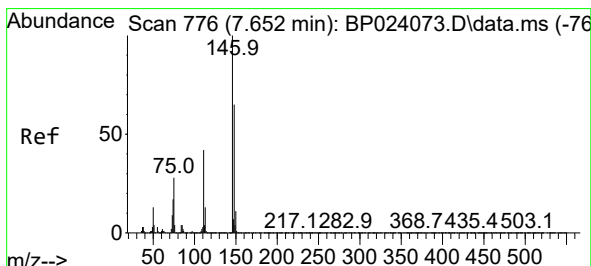
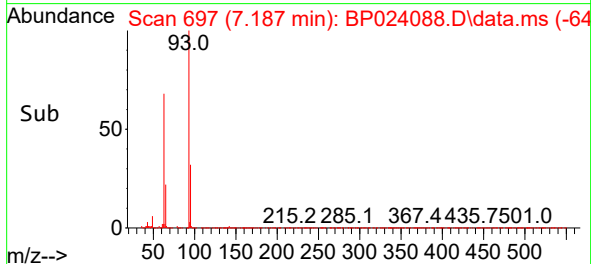
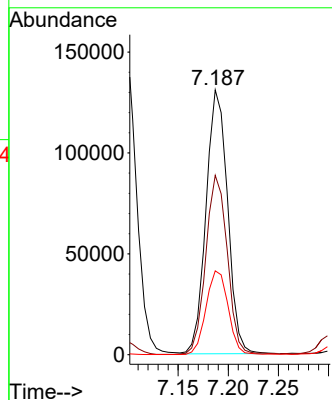
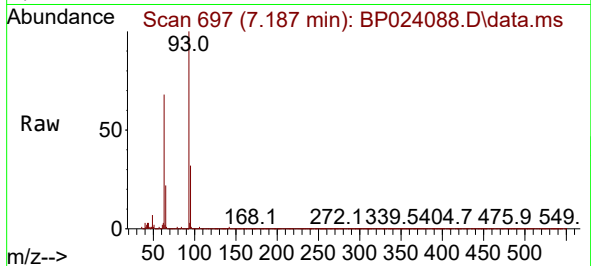




#11
bis(2-Chloroethyl)ether
Concen: 8.671 ng
RT: 7.187 min Scan# 697
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

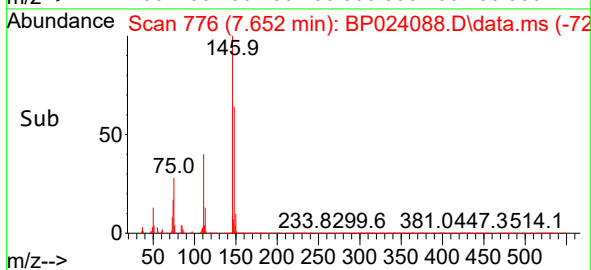
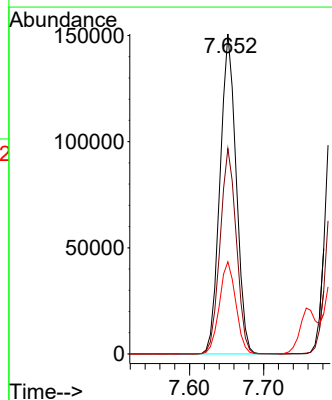
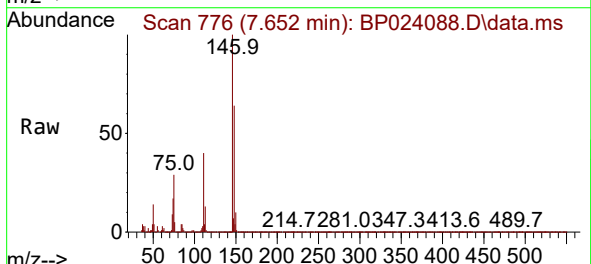
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

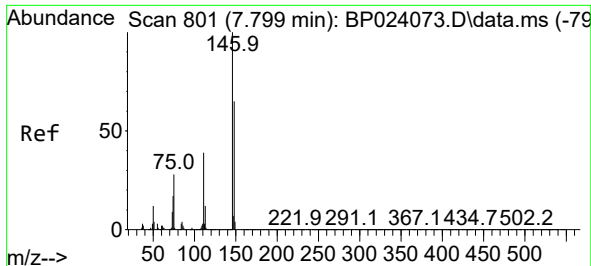
Tgt Ion:	93	Resp:	195416
Ion	Ratio	Lower	Upper
93	100		
63	67.7	46.5	86.5
95	31.7	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 8.853 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:	146	Resp:	227900
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	28.8	22.6	33.8

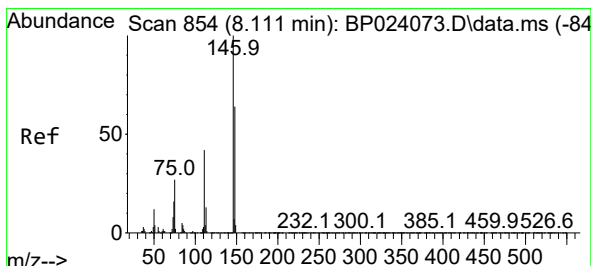
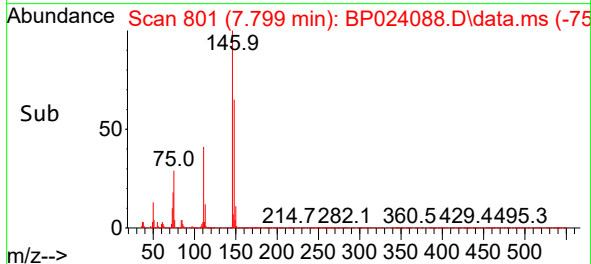
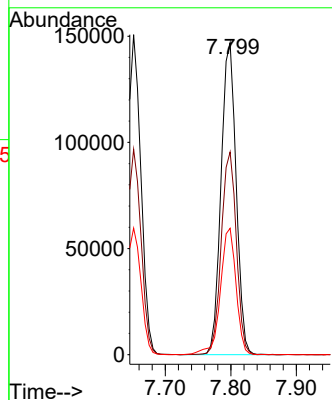
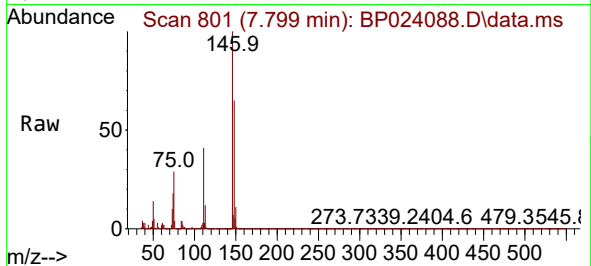




#13
1,4-Dichlorobenzene
Concen: 8.980 ng
RT: 7.799 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

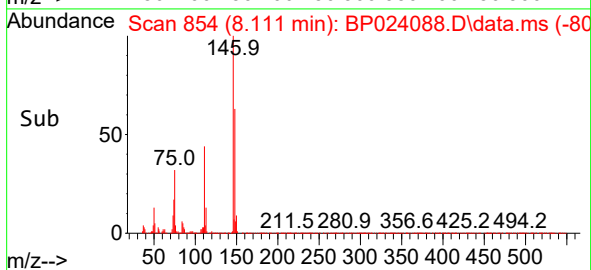
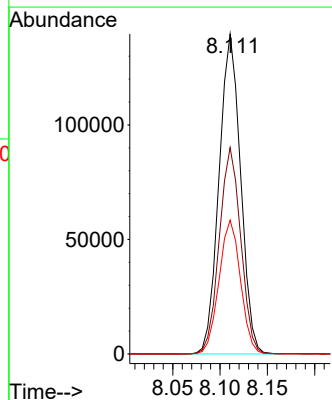
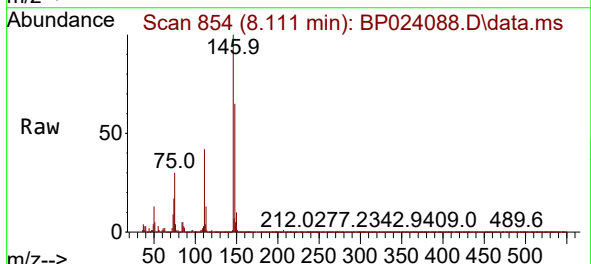
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

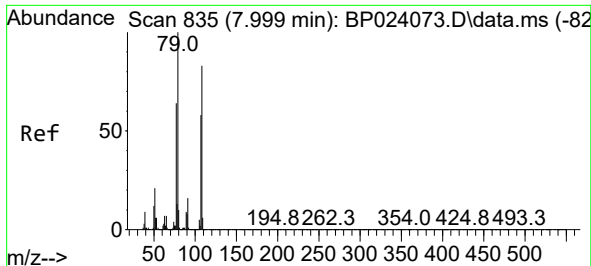
Tgt Ion:146 Resp: 233789
Ion Ratio Lower Upper
146 100
148 65.0 51.6 77.4
111 40.5 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 8.846 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:146 Resp: 221037
Ion Ratio Lower Upper
146 100
148 64.5 51.2 76.8
111 41.8 33.4 50.0

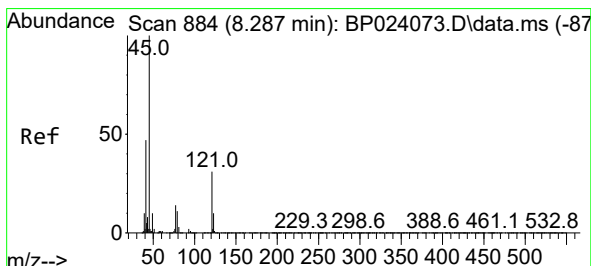
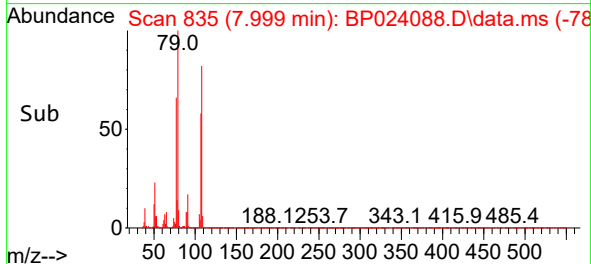
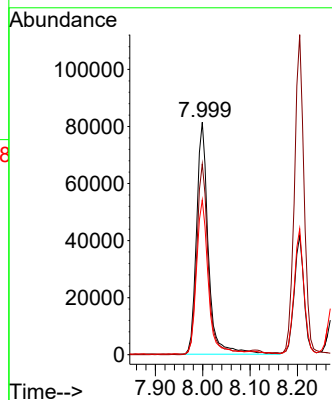
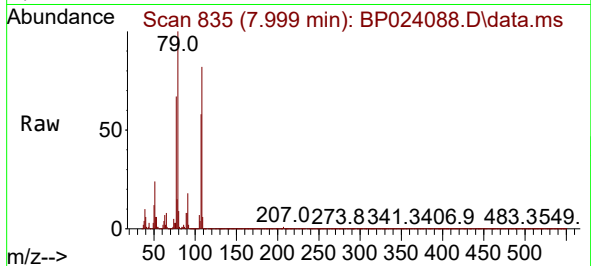




#15
Benzyl Alcohol
Concen: 8.084 ng
RT: 7.999 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

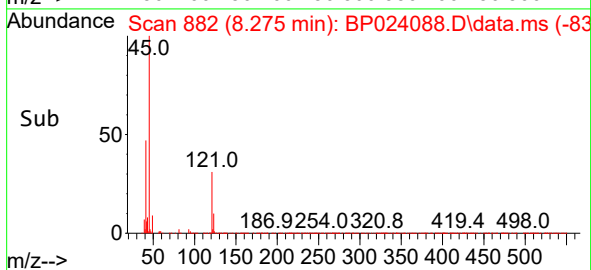
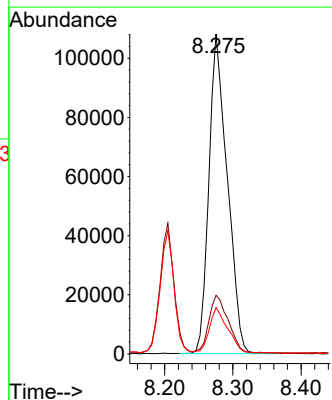
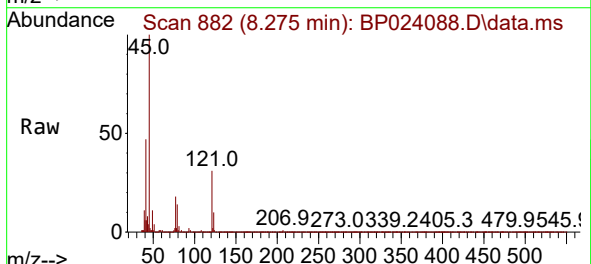
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

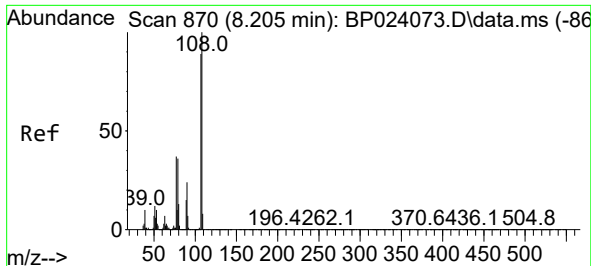
Tgt Ion: 79 Resp: 140811
Ion Ratio Lower Upper
79 100
108 82.1 66.4 99.6
77 66.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.275 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 45 Resp: 202925
Ion Ratio Lower Upper
45 100
77 18.3 0.0 38.8
79 14.4 0.0 35.4

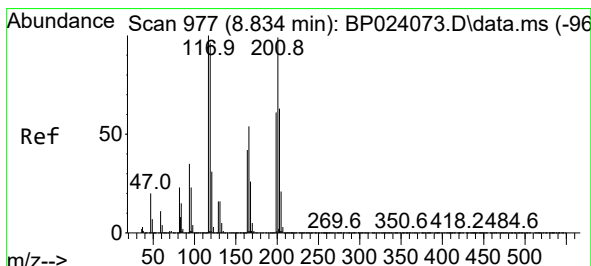
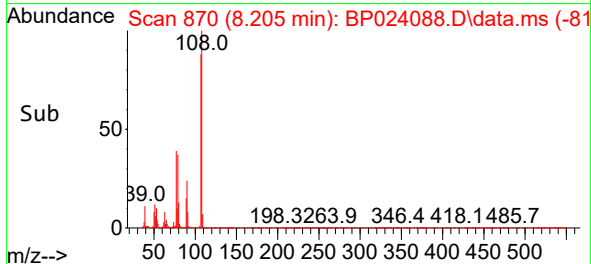
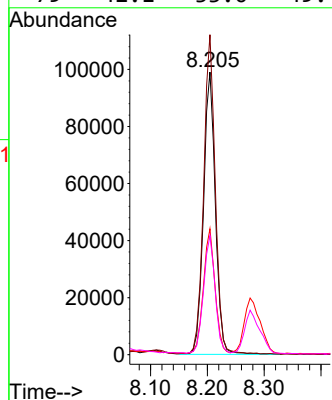
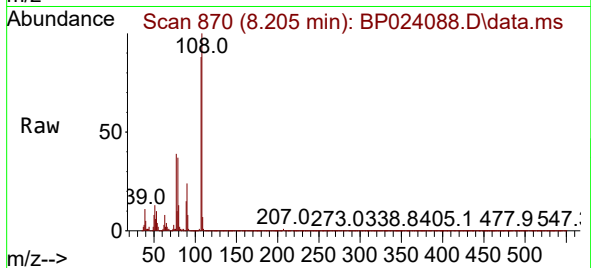




#17
2-Methylphenol
Concen: 8.228 ng
RT: 8.205 min Scan# 870
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

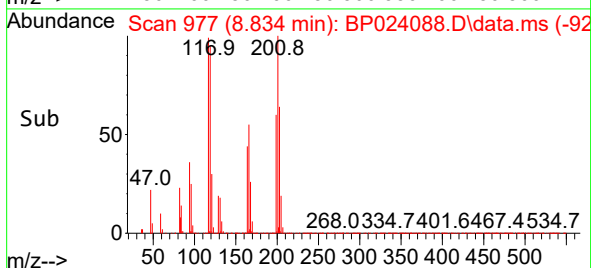
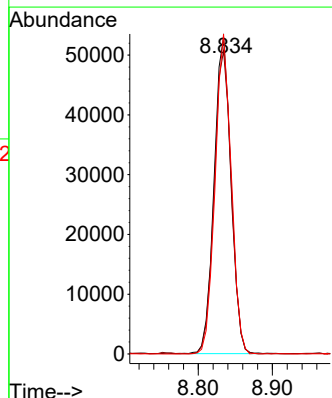
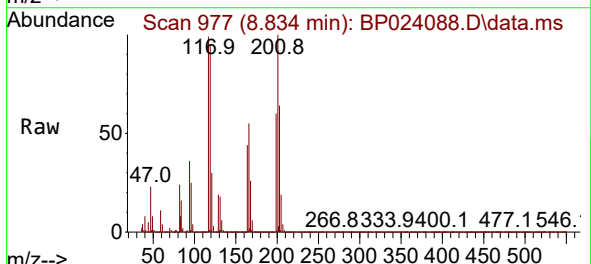
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

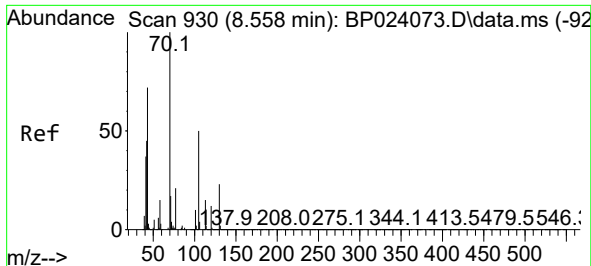
Tgt Ion:	107	Resp:	143469
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.0	135.0
77	44.6	33.8	50.6
79	42.1	33.0	49.4



#18
Hexachloroethane
Concen: 8.943 ng
RT: 8.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:	117	Resp:	83850
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.9	115.3
201	103.7	79.4	119.2

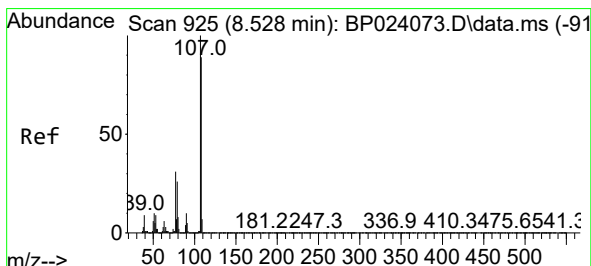
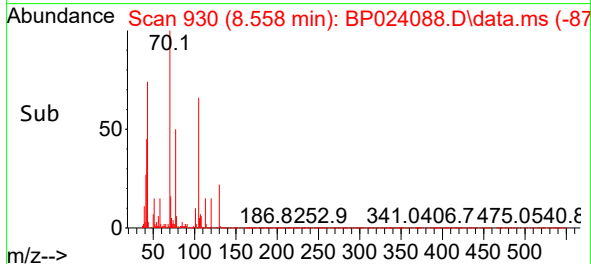
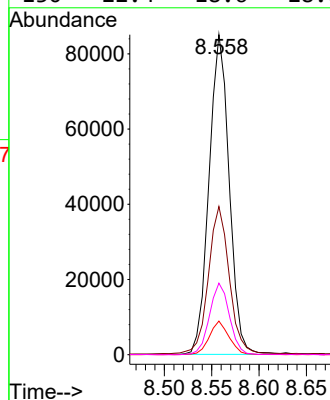
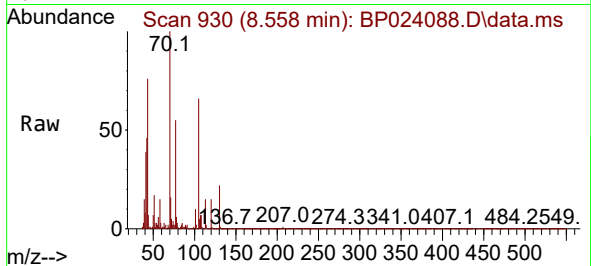




#19
n-Nitroso-di-n-propylamine
Concen: 8.220 ng
RT: 8.558 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

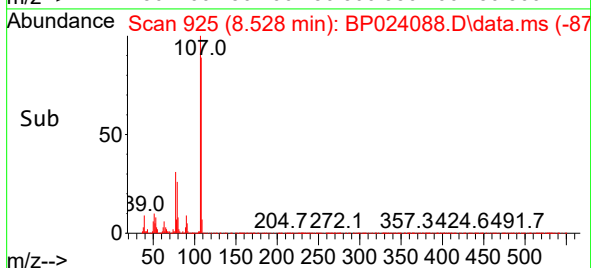
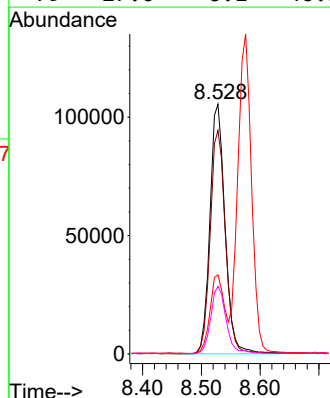
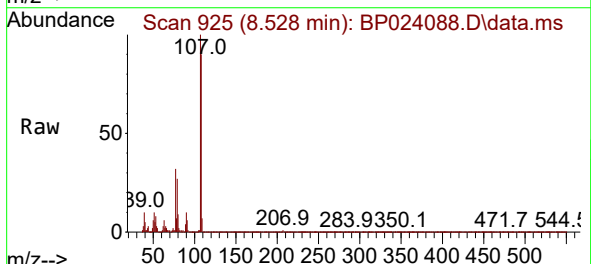
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

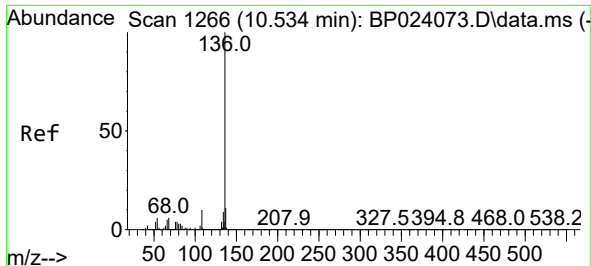
Tgt Ion:	70	Resp:	125765
Ion	Ratio	Lower	Upper
70	100		
42	46.3	36.6	54.8
101	10.5	8.2	12.2
130	22.4	18.6	28.0



#20
3+4-Methylphenols
Concen: 7.924 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:	107	Resp:	187965
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.5	108.5
77	31.7	10.7	50.7
79	27.0	6.1	46.1

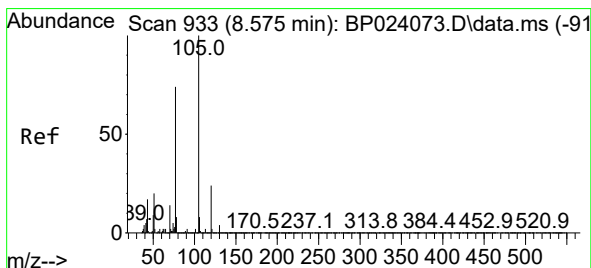
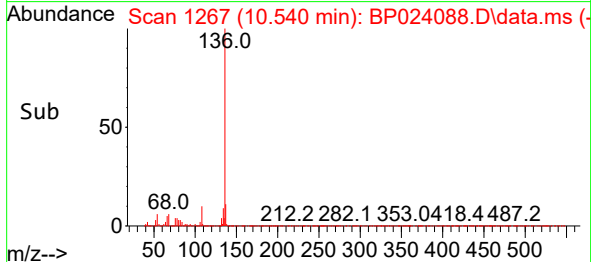
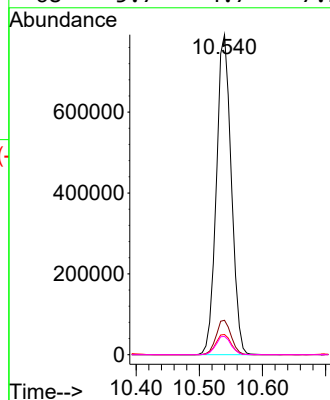
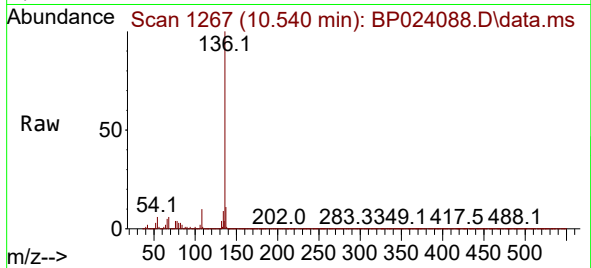




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

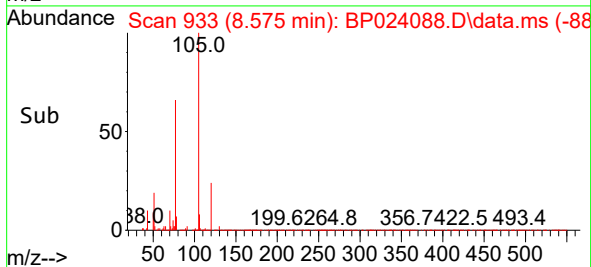
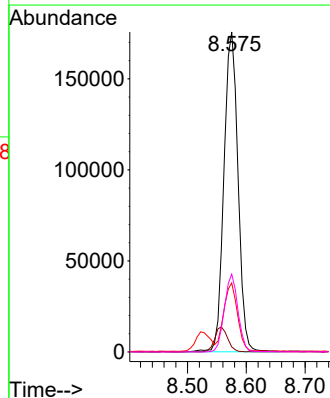
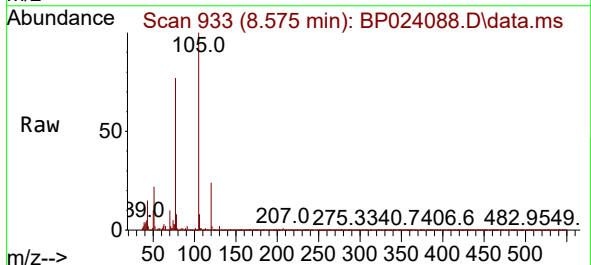
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

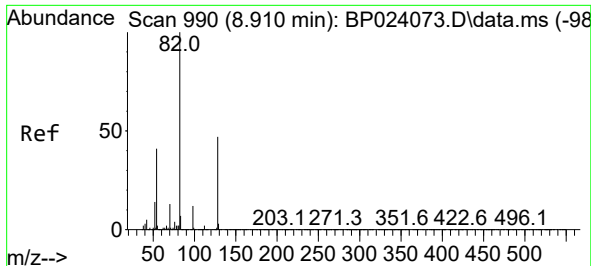
Tgt Ion:136 Resp: 1294695
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.3 4.9 7.3
68 5.7 4.7 7.1



#22
Acetophenone
Concen: 8.754 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:105 Resp: 291260
Ion Ratio Lower Upper
105 100
71 1.6 1.9 2.9#
51 21.5 16.3 24.5
120 24.3 19.0 28.4

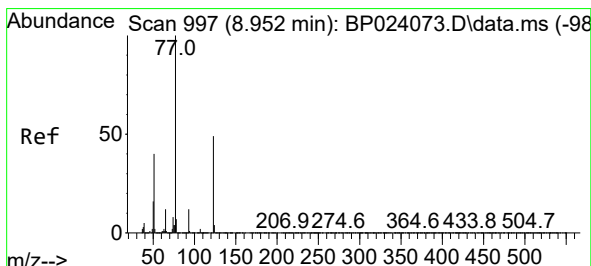
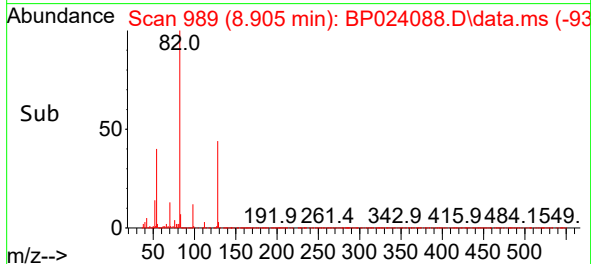
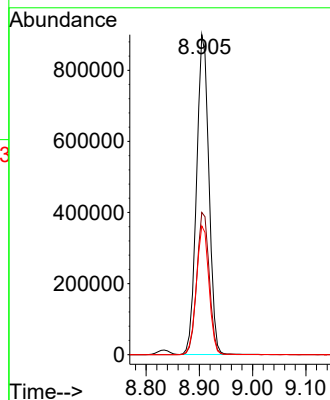
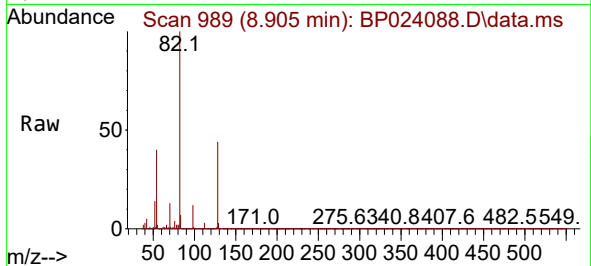




#23
Nitrobenzene-d5
Concen: 62.329 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

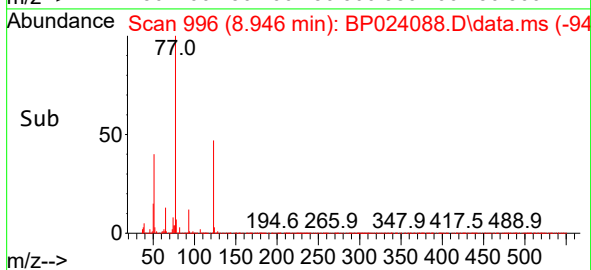
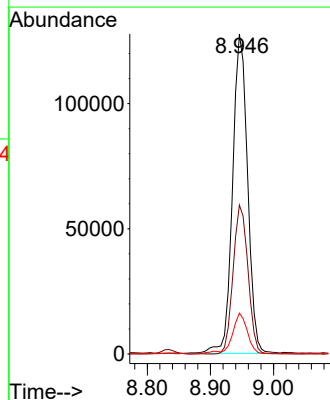
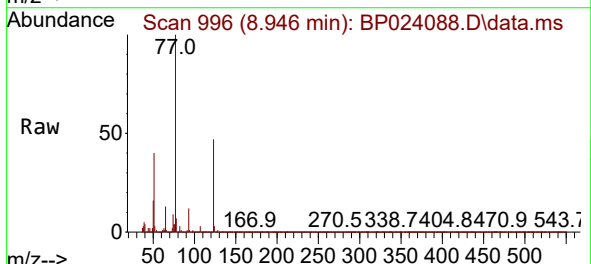
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

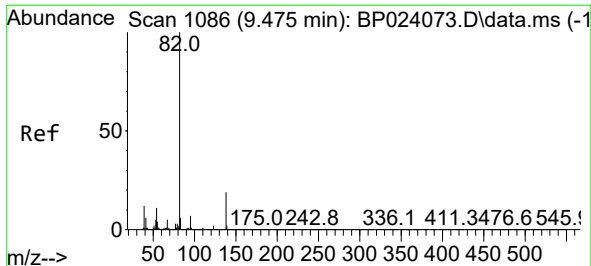
Tgt Ion: 82 Resp: 1446465
Ion Ratio Lower Upper
82 100
128 44.4 37.4 56.2
54 40.3 32.4 48.6



#24
Nitrobenzene
Concen: 9.237 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 77 Resp: 210968
Ion Ratio Lower Upper
77 100
123 46.5 39.4 59.2
65 12.7 9.9 14.9

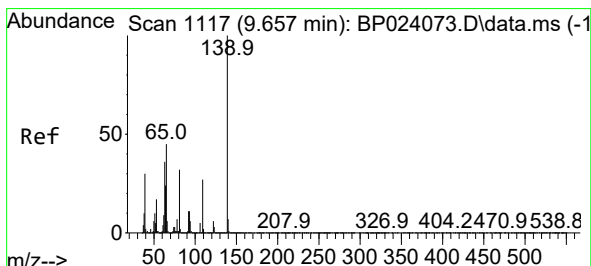
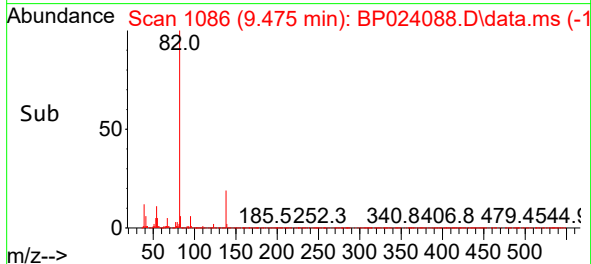
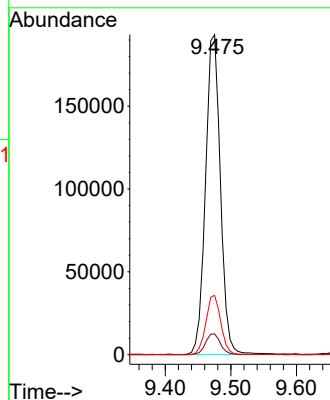
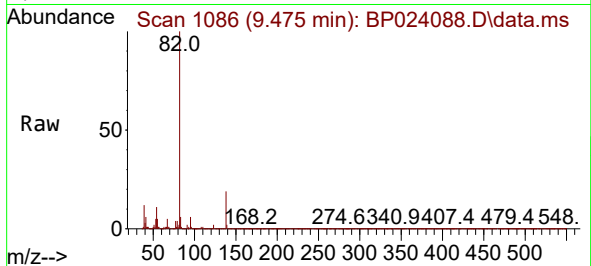




#25
Isophorone
Concen: 8.056 ng
RT: 9.475 min Scan# 1086
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

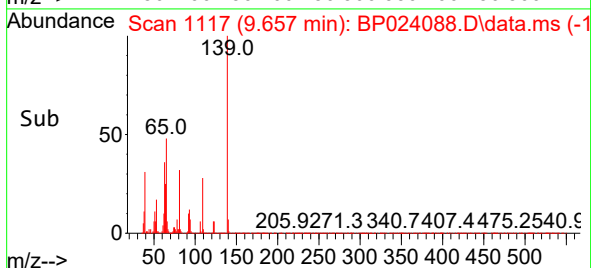
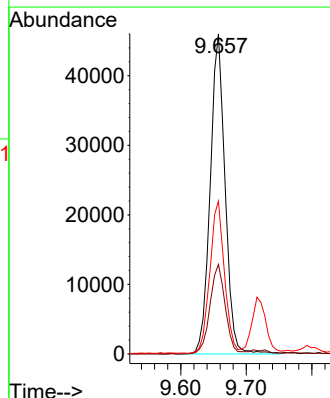
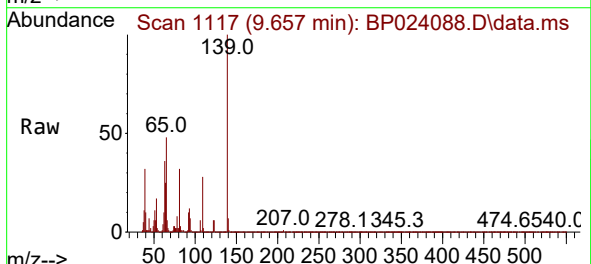
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

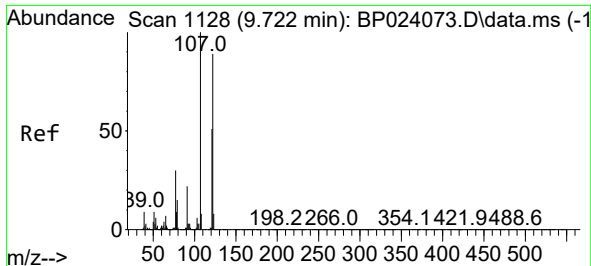
Tgt Ion: 82 Resp: 305711
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 18.6 15.3 22.9



#26
2-Nitrophenol
Concen: 6.900 ng
RT: 9.657 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:139 Resp: 72607
Ion Ratio Lower Upper
139 100
109 28.0 21.7 32.5
65 47.8 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 9.209 ng

RT: 9.722 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

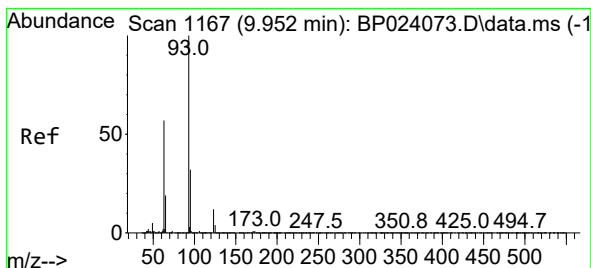
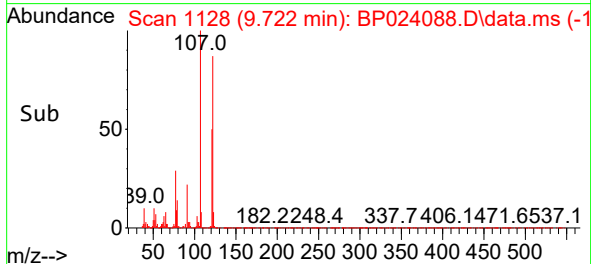
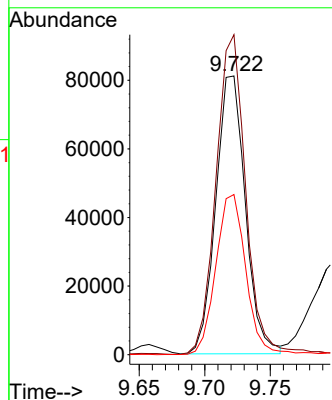
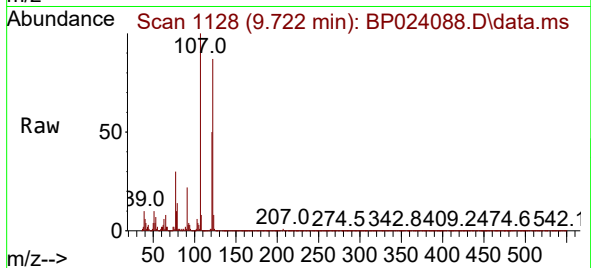
Tgt Ion:122 Resp: 127199

Ion Ratio Lower Upper

122 100

107 114.8 89.8 134.8

121 57.5 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 8.392 ng

RT: 9.946 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

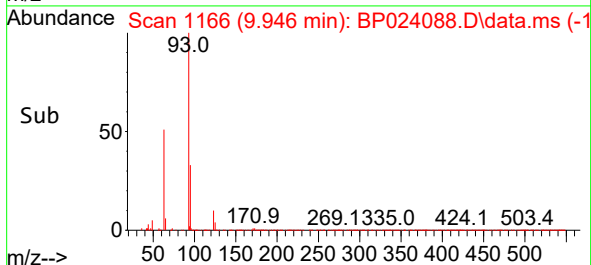
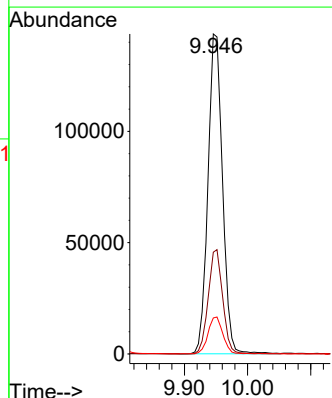
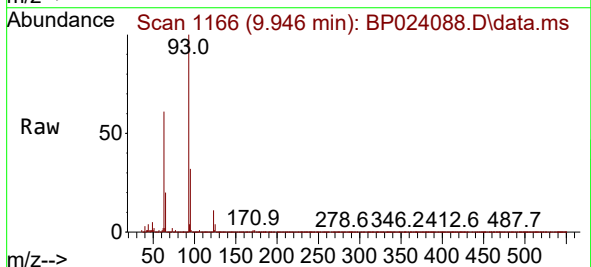
Tgt Ion: 93 Resp: 230720

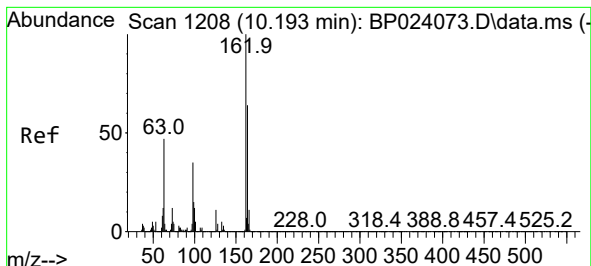
Ion Ratio Lower Upper

93 100

95 31.8 25.9 38.9

123 11.3 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 7.451 ng

RT: 10.193 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

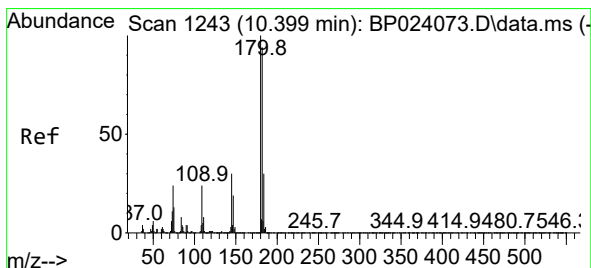
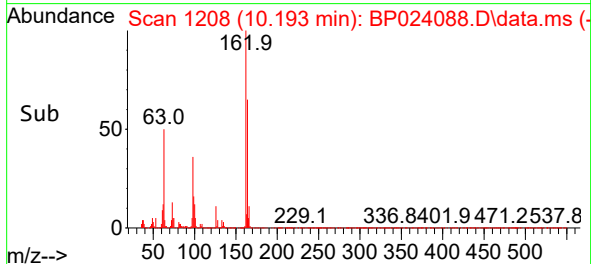
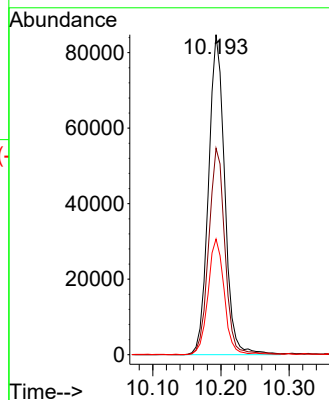
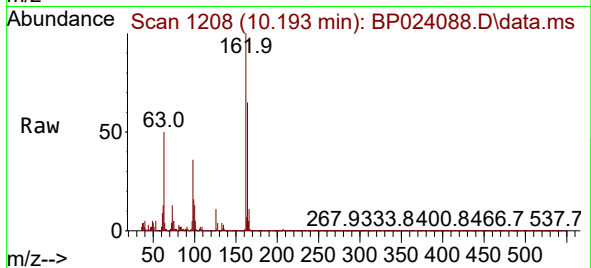
Tgt Ion:162 Resp: 140447

Ion Ratio Lower Upper

162 100

164 64.5 44.5 84.5

98 36.2 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 8.419 ng

RT: 10.399 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

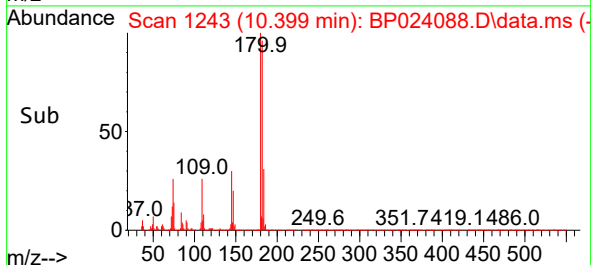
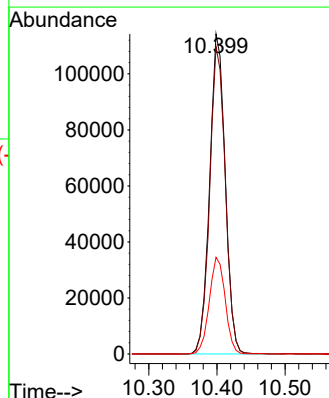
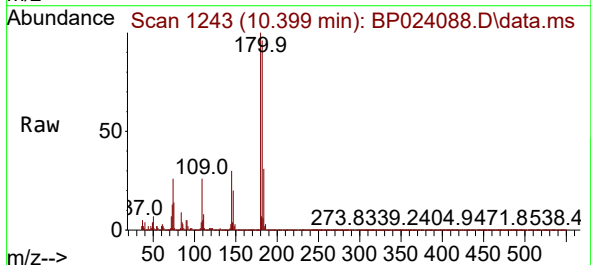
Tgt Ion:180 Resp: 181828

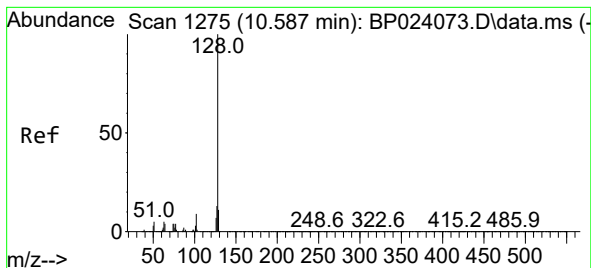
Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 30.2 24.0 36.0





#31

Naphthalene

Concen: 8.629 ng

RT: 10.587 min Scan# 111

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

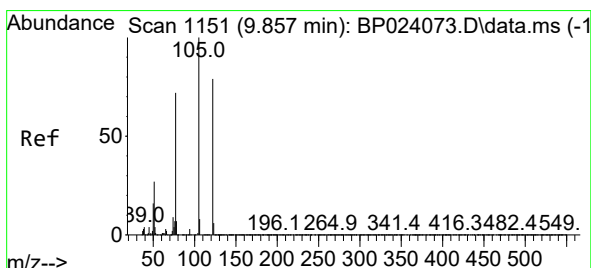
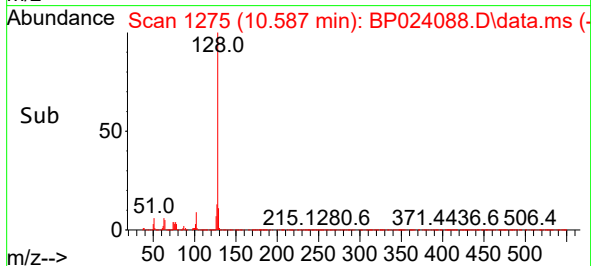
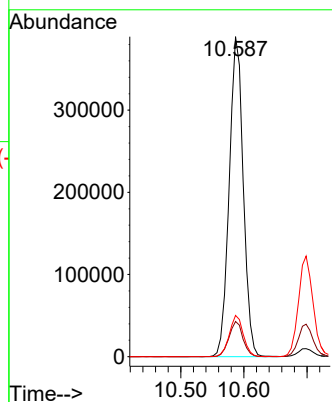
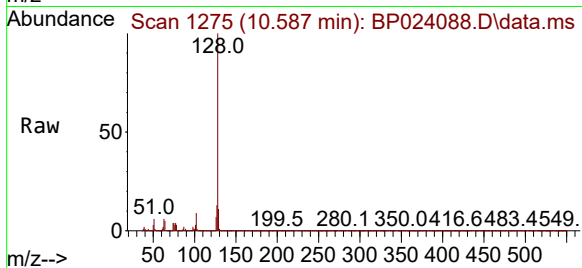
Tgt Ion:128 Resp: 600692

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 12.9 10.3 15.5



#32

Benzoic acid

Concen: 10.862 ng

RT: 9.799 min Scan# 1141

Delta R.T. -0.058 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

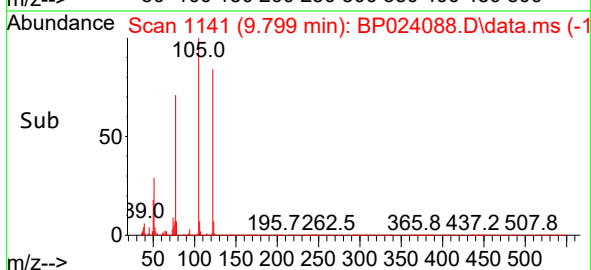
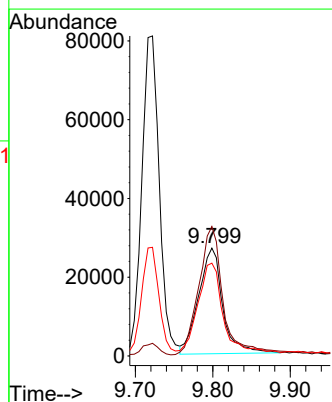
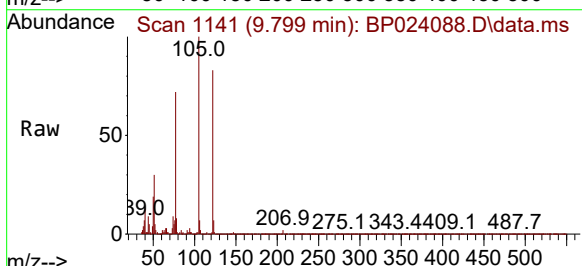
Tgt Ion:122 Resp: 57930

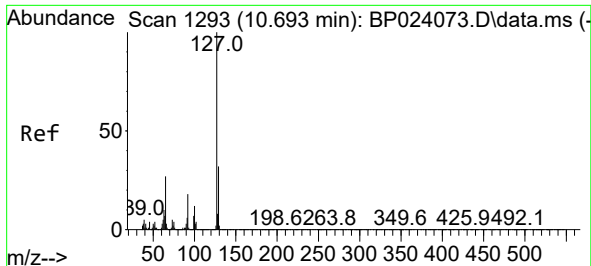
Ion Ratio Lower Upper

122 100

105 120.0 103.7 143.7

77 86.1 69.9 109.9

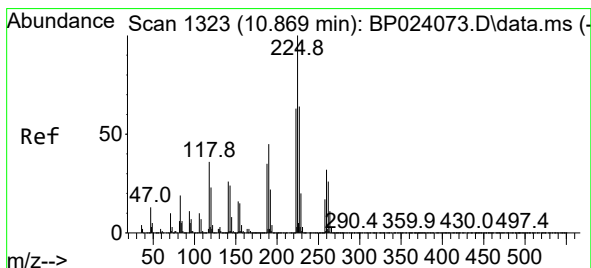
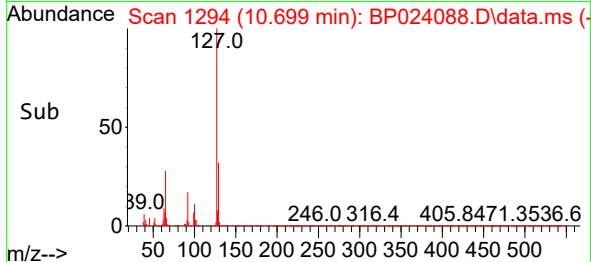
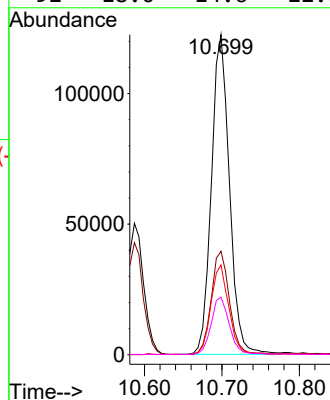
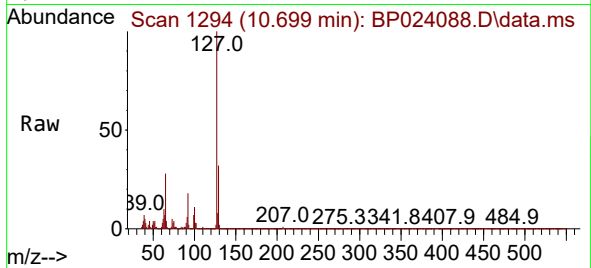




#33
4-Chloroaniline
Concen: 8.080 ng
RT: 10.699 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

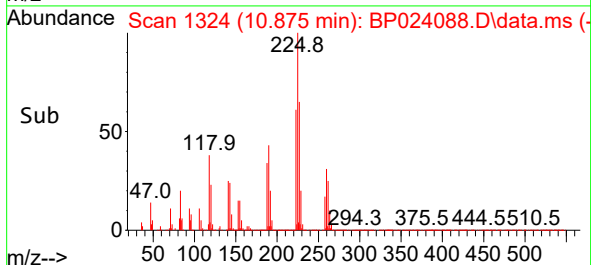
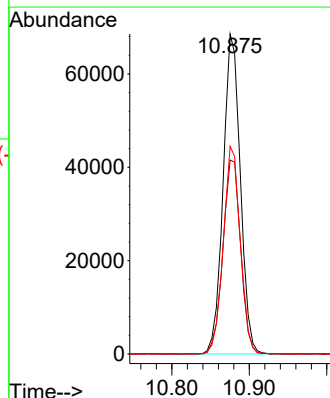
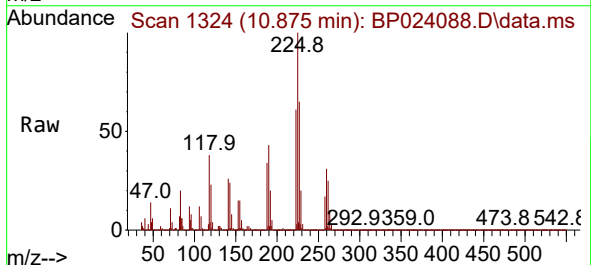
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

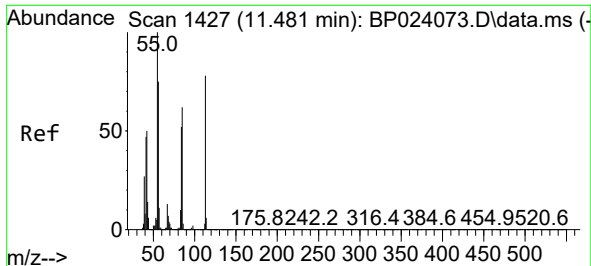
Tgt Ion:	127	Resp:	198161
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.0
65	28.0	21.3	31.9
92	18.0	14.6	22.0



#34
Hexachlorobutadiene
Concen: 8.445 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:	225	Resp:	105639
Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.5	75.7
227	64.8	51.3	76.9

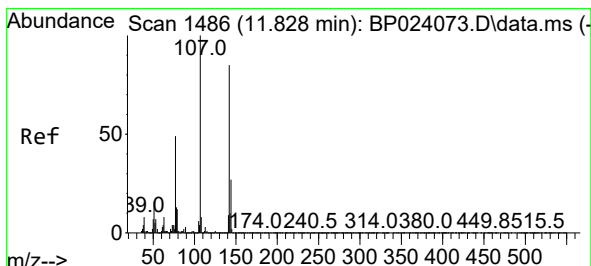
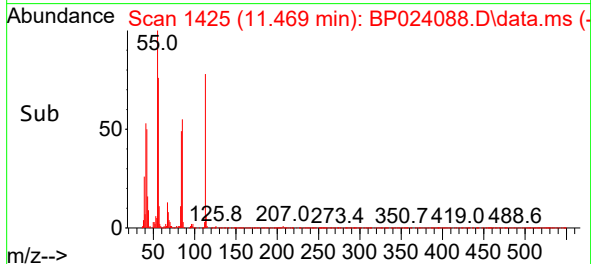
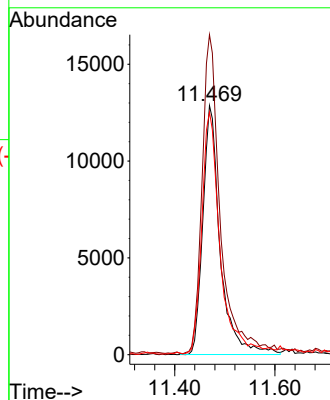
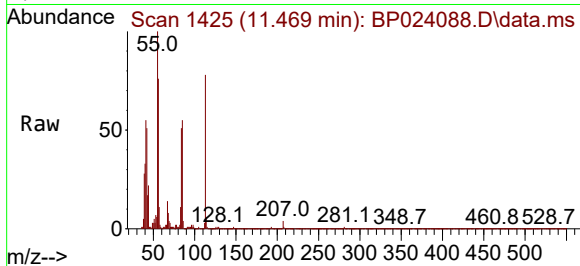




#35
Caprolactam
Concen: 9.869 ng
RT: 11.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

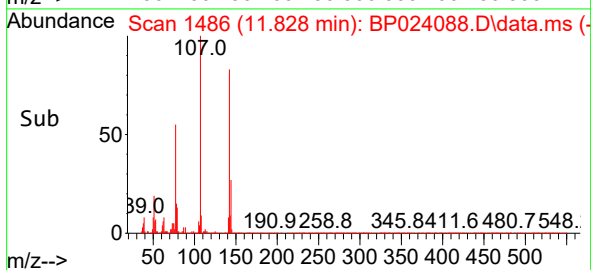
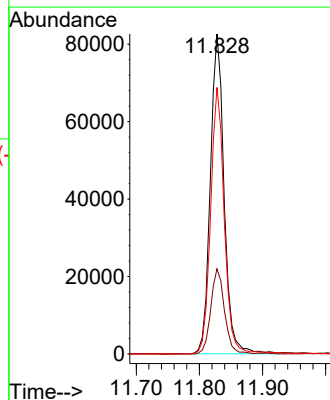
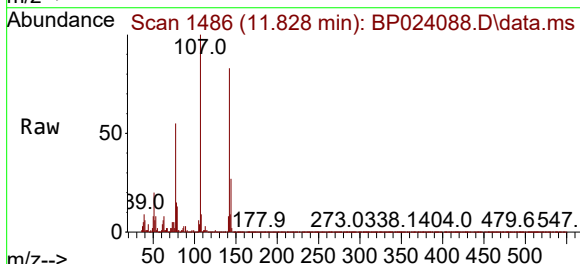
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

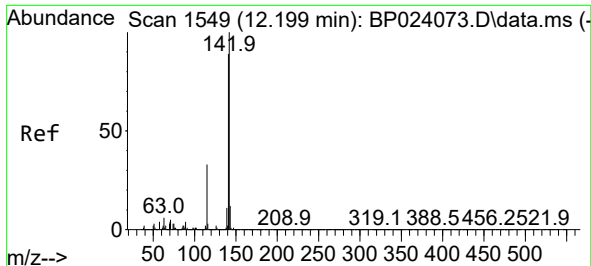
Tgt Ion:113 Resp: 30856
Ion Ratio Lower Upper
113 100
55 128.5 108.8 148.8
56 97.4 76.5 116.5



#36
4-Chloro-3-methylphenol
Concen: 6.457 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:107 Resp: 125129
Ion Ratio Lower Upper
107 100
144 26.6 21.8 32.8
142 83.3 67.8 101.8

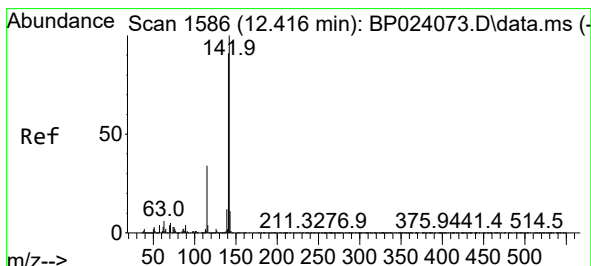
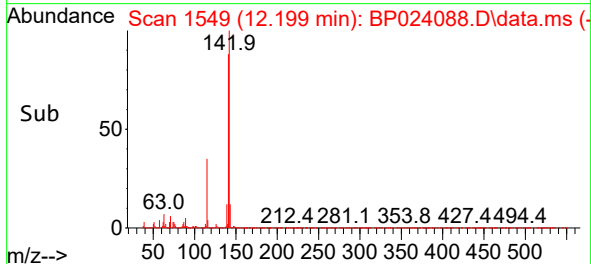
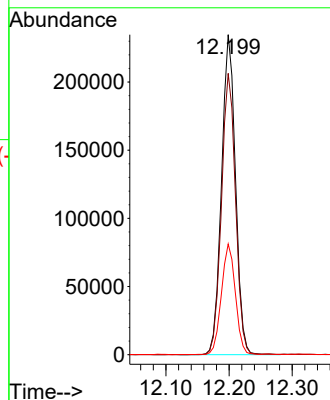
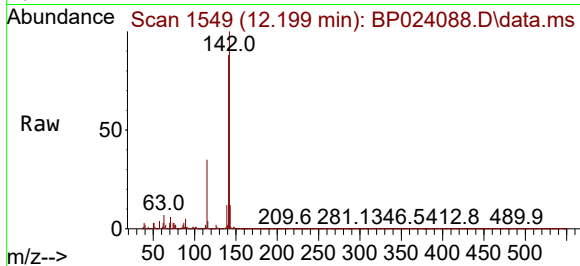




#37
2-Methylnaphthalene
Concen: 7.791 ng
RT: 12.199 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

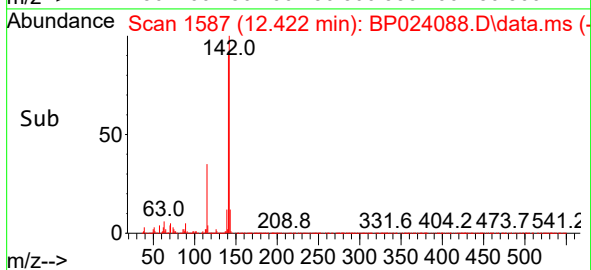
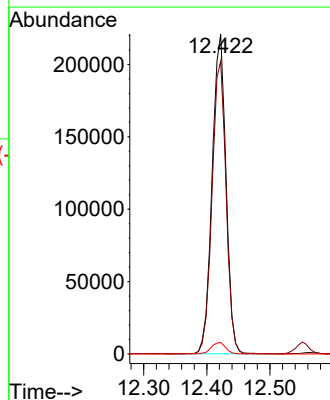
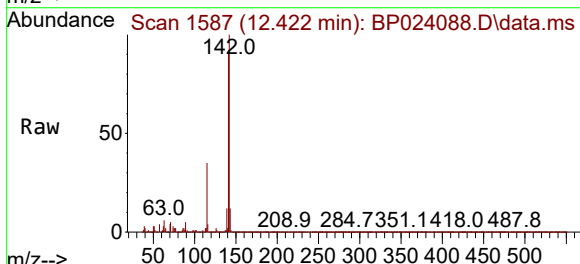
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

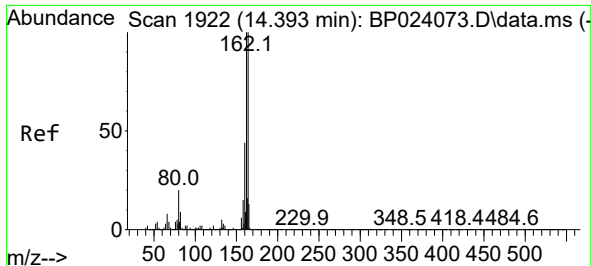
Tgt Ion:142 Resp: 360472
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8
115 34.6 26.5 39.7



#38
1-Methylnaphthalene
Concen: 7.478 ng
RT: 12.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:142 Resp: 336588
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.6
116 3.6 2.8 4.2

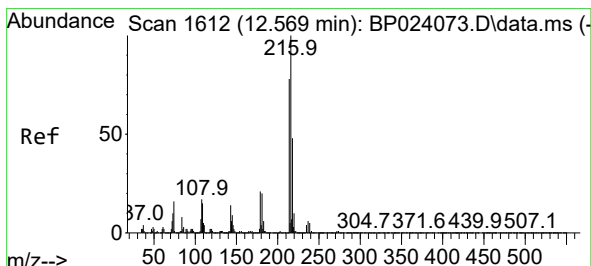
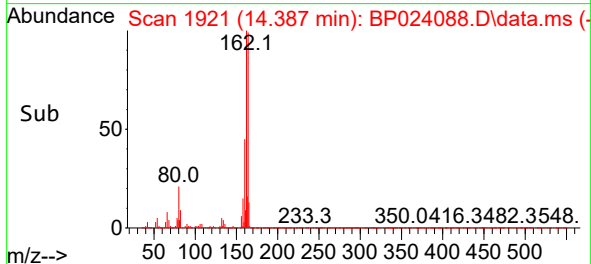
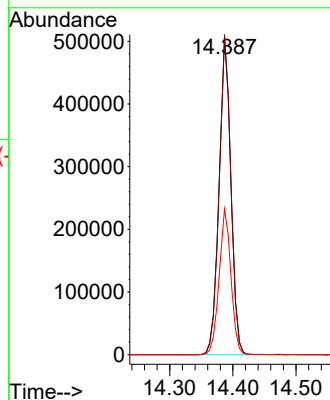
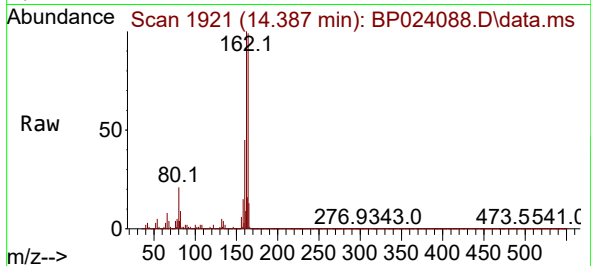




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

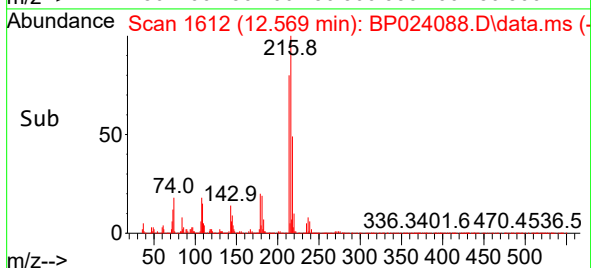
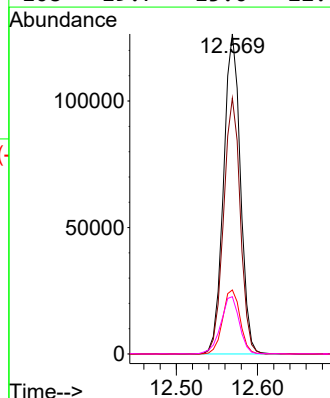
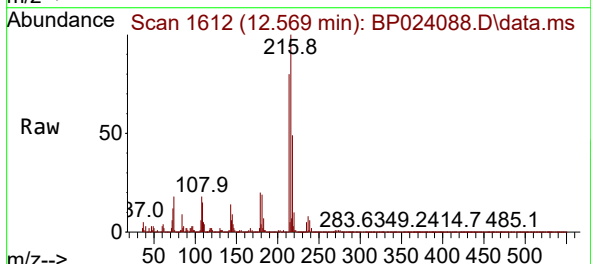
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

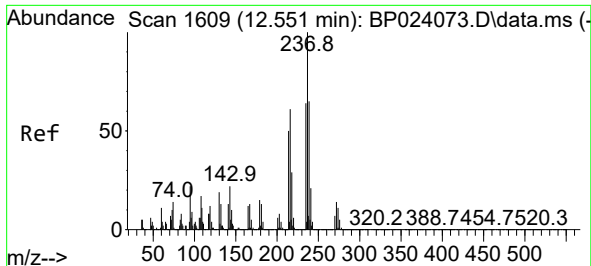
Tgt Ion:164 Resp: 656806
Ion Ratio Lower Upper
164 100
162 101.0 80.1 120.1
160 46.0 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.062 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:216 Resp: 182872
Ion Ratio Lower Upper
216 100
214 79.2 62.7 94.1
179 20.7 16.6 25.0
108 19.7 15.0 22.6

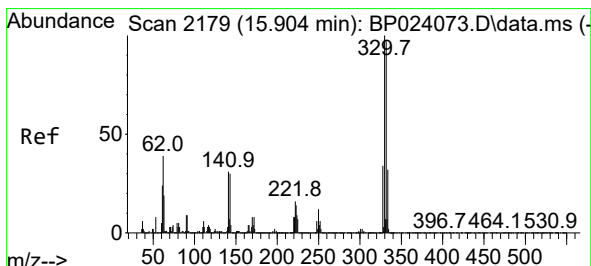
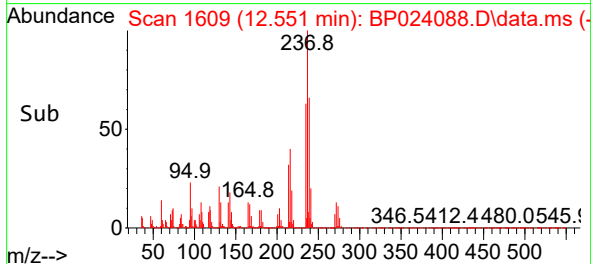
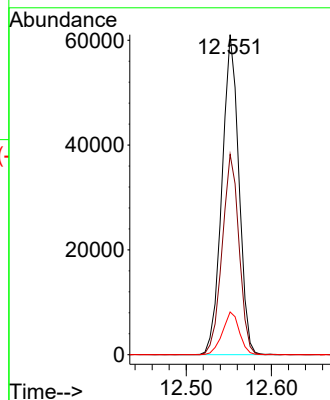
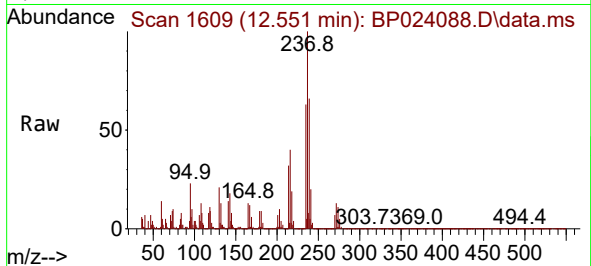




#41
Hexachlorocyclopentadiene
Concen: 11.211 ng
RT: 12.551 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

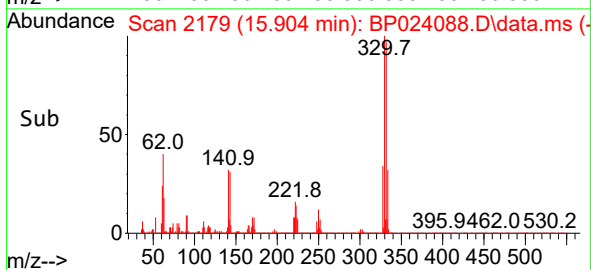
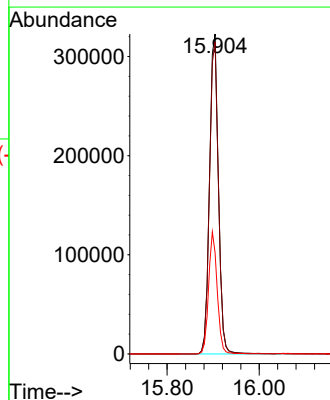
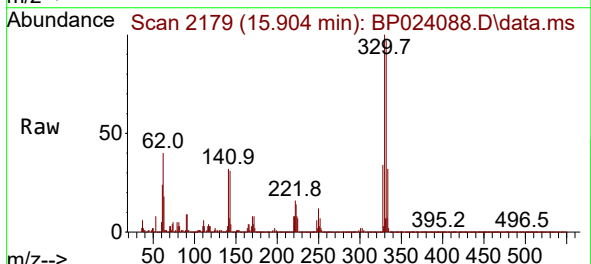
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

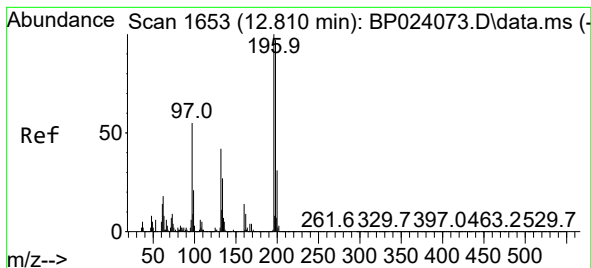
Tgt Ion:237 Resp: 84186
Ion Ratio Lower Upper
237 100
235 62.6 43.5 83.5
272 13.3 0.0 33.7



#42
2,4,6-Tribromophenol
Concen: 54.287 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:330 Resp: 436748
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 36.9 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 7.089 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

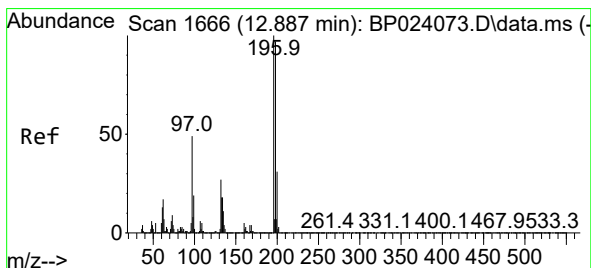
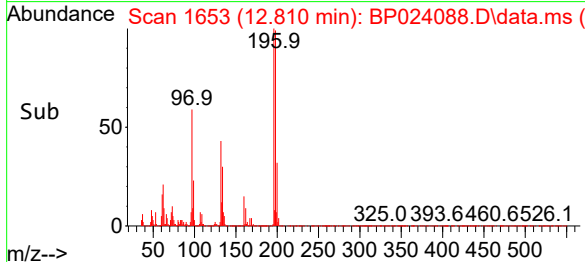
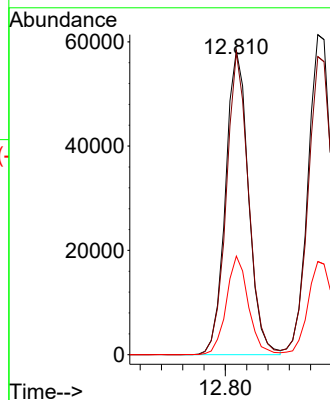
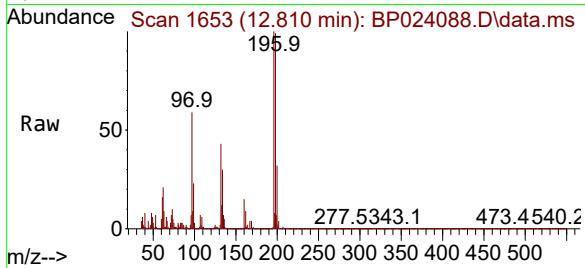
Tgt Ion:196 Resp: 87247

Ion Ratio Lower Upper

196 100

198 99.4 77.8 116.6

200 32.4 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 7.324 ng

RT: 12.887 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:196 Resp: 98582

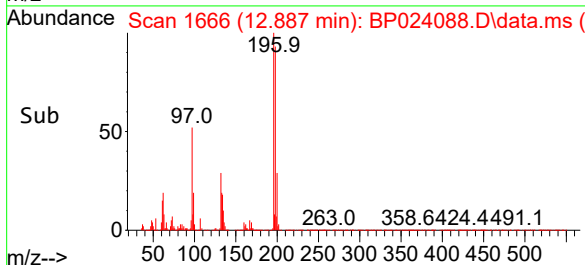
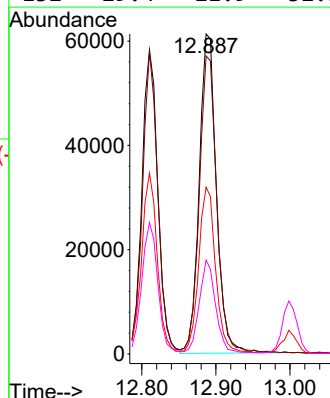
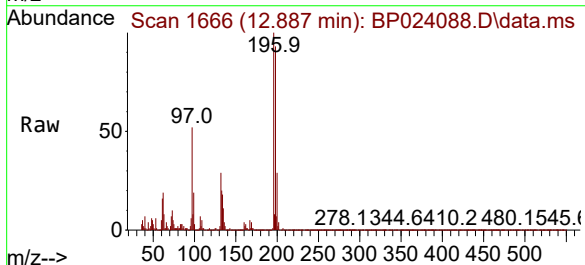
Ion Ratio Lower Upper

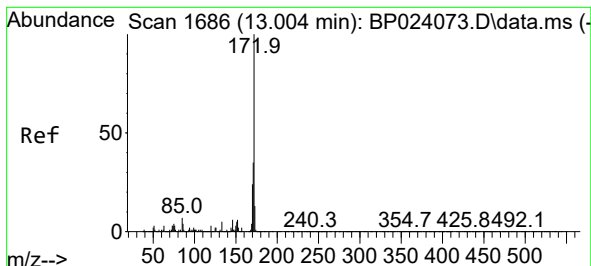
196 100

198 93.2 77.4 116.2

97 52.1 39.0 58.4

132 29.4 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 64.199 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

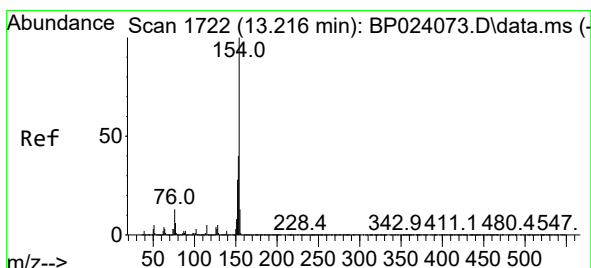
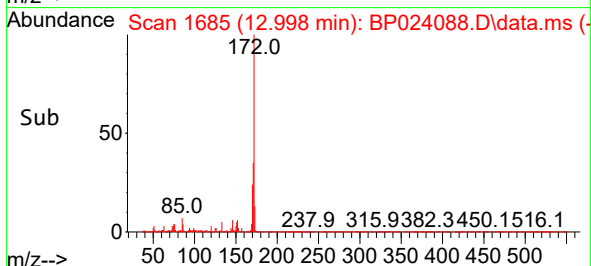
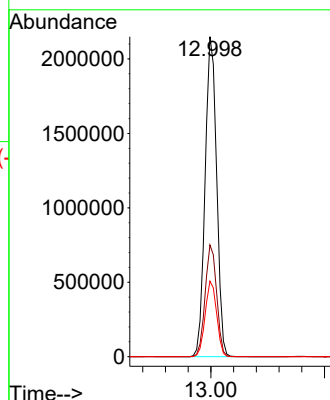
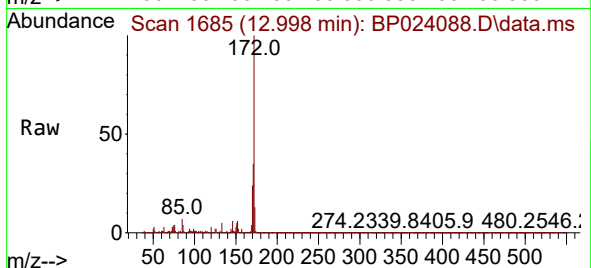
Tgt Ion:172 Resp: 3016164

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 9.001 ng

RT: 13.210 min Scan# 1721

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

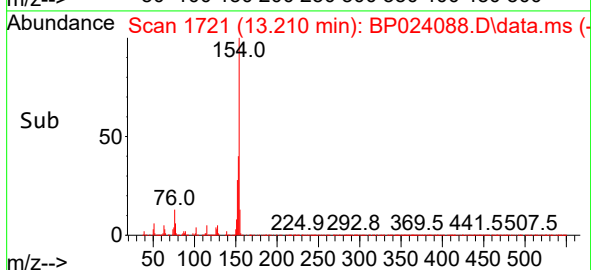
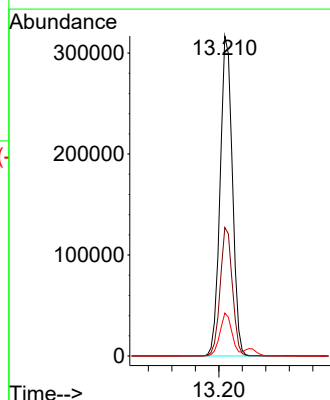
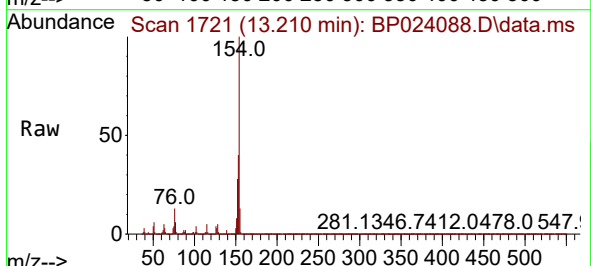
Tgt Ion:154 Resp: 459404

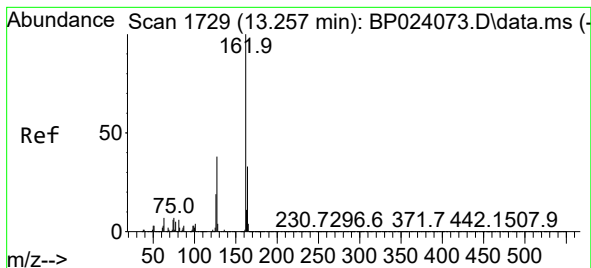
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 13.4 0.0 32.6

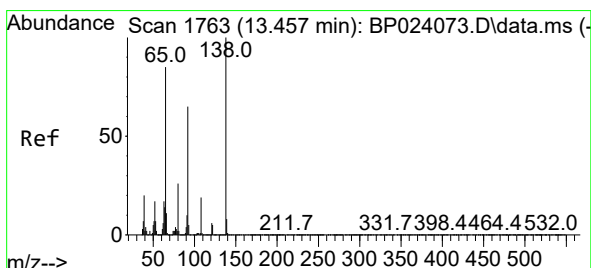
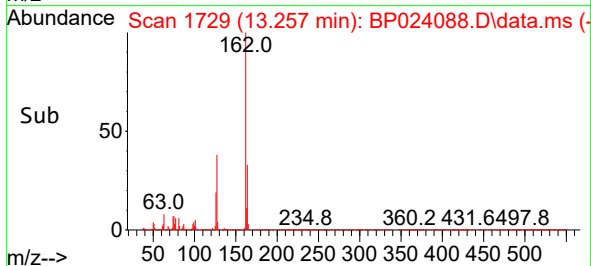
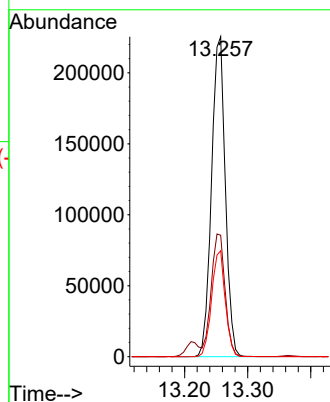
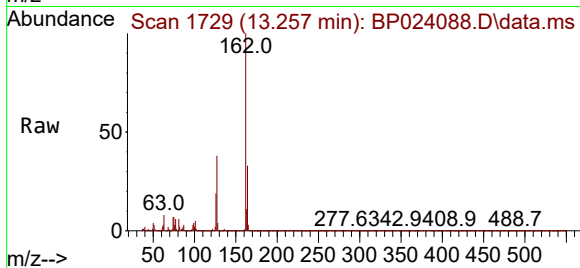




#47
2-Chloronaphthalene
Concen: 8.835 ng
RT: 13.257 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

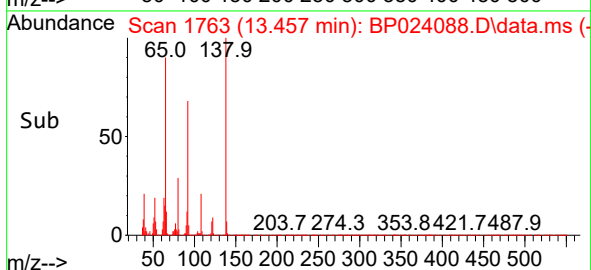
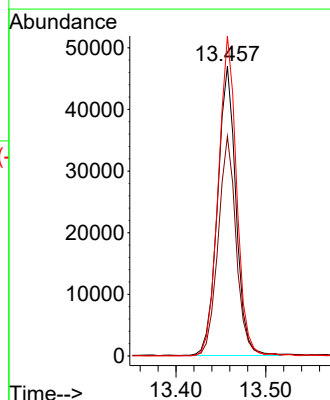
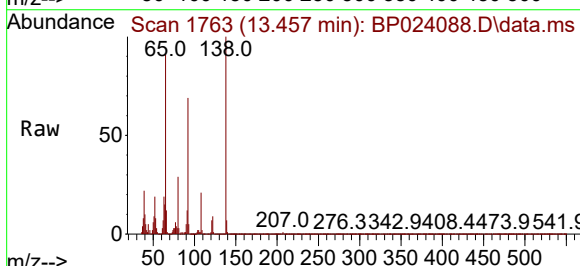
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

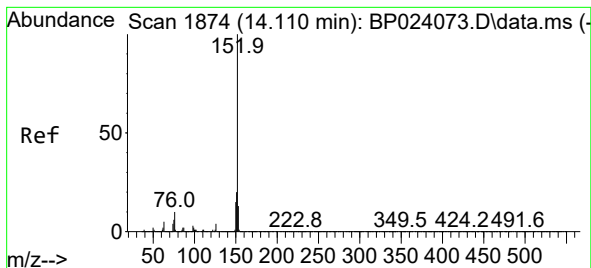
Tgt Ion:162 Resp: 340882
Ion Ratio Lower Upper
162 100
127 37.9 30.7 46.1
164 33.1 26.6 39.8



#48
2-Nitroaniline
Concen: 7.339 ng
RT: 13.457 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion: 65 Resp: 66891
Ion Ratio Lower Upper
65 100
92 75.8 61.7 92.5
138 110.4 94.6 142.0





#49

Acenaphthylene

Concen: 8.587 ng

RT: 14.104 min Scan# 1873

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

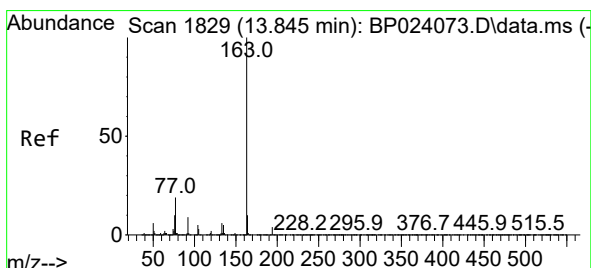
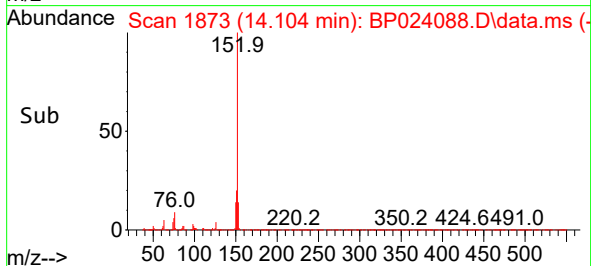
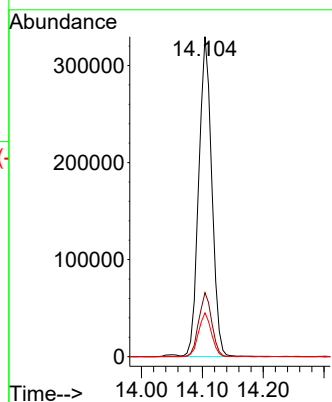
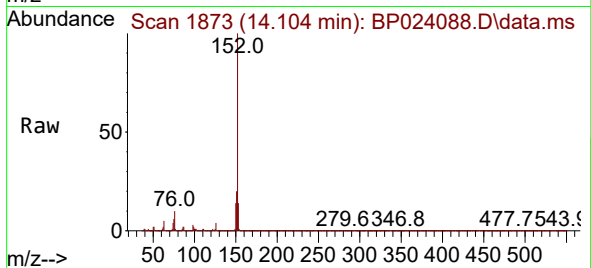
Tgt Ion:152 Resp: 488130

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

153 13.7 10.7 16.1



#50

Dimethylphthalate

Concen: 7.899 ng

RT: 13.840 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

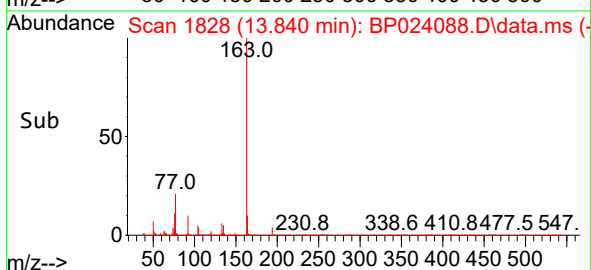
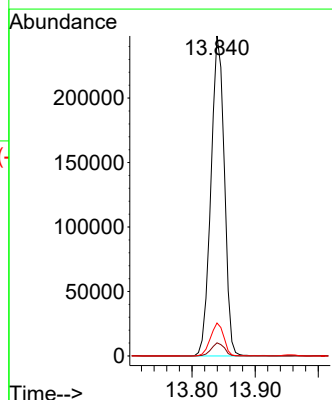
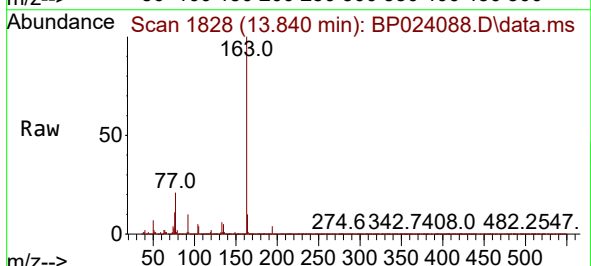
Tgt Ion:163 Resp: 365961

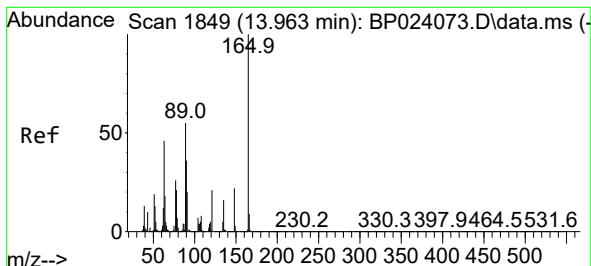
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.263 ng

RT: 13.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

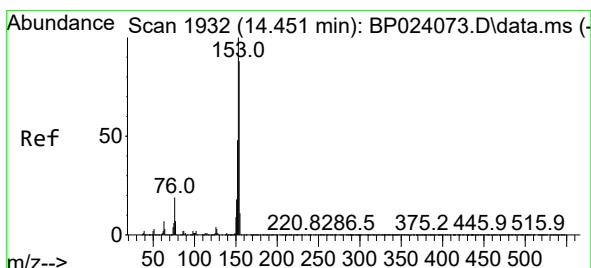
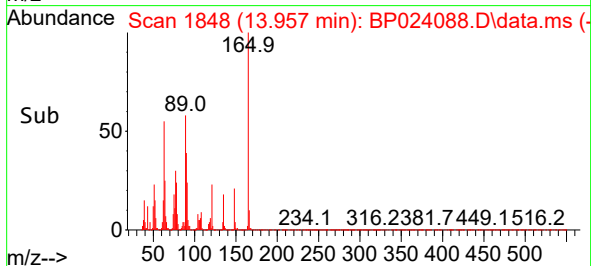
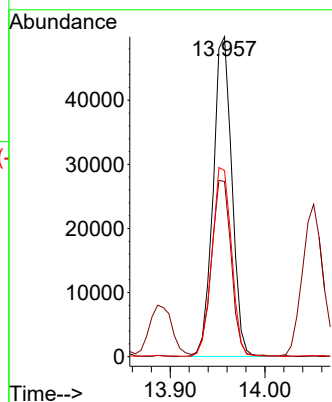
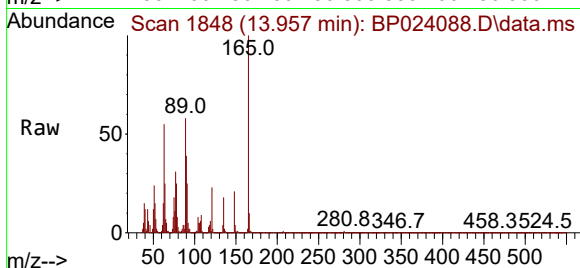
Tgt Ion:165 Resp: 68549

Ion Ratio Lower Upper

165 100

63 54.8 40.1 60.1

89 58.2 44.2 66.4



#52

Acenaphthene

Concen: 8.557 ng

RT: 14.451 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

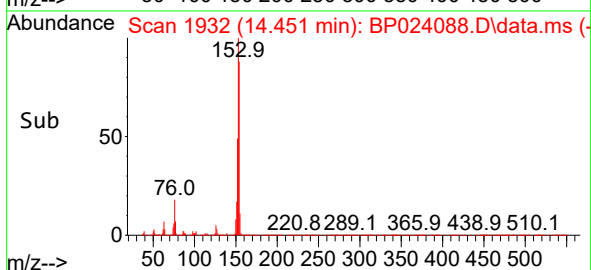
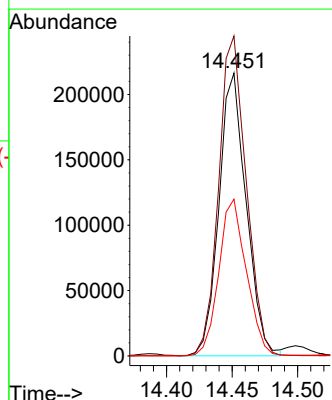
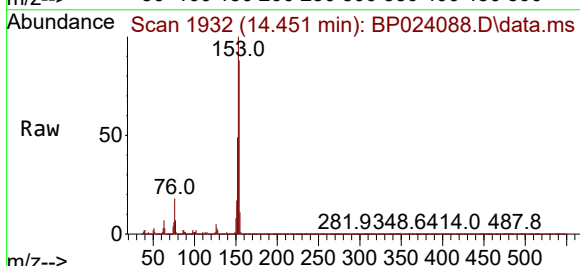
Tgt Ion:154 Resp: 313239

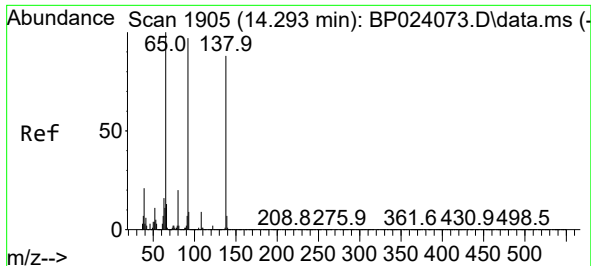
Ion Ratio Lower Upper

154 100

153 113.1 90.6 135.8

152 55.4 43.6 65.4

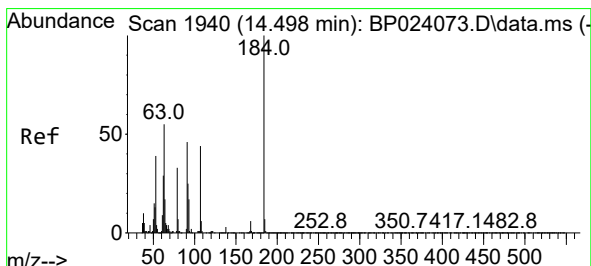
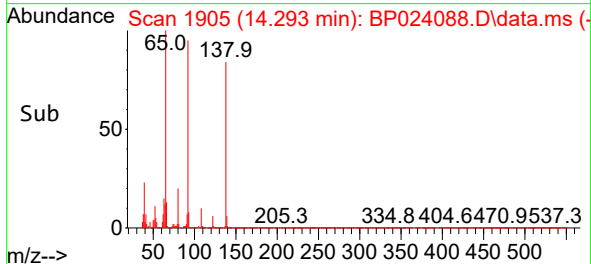
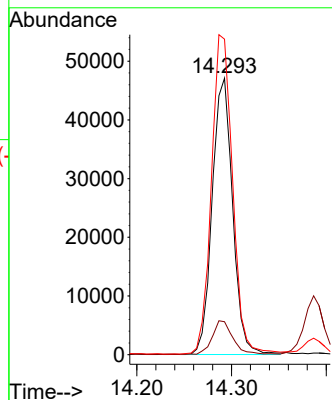
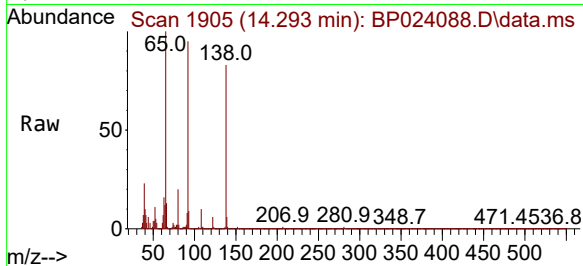




#53
3-Nitroaniline
Concen: 7.012 ng
RT: 14.293 min Scan# 1905
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

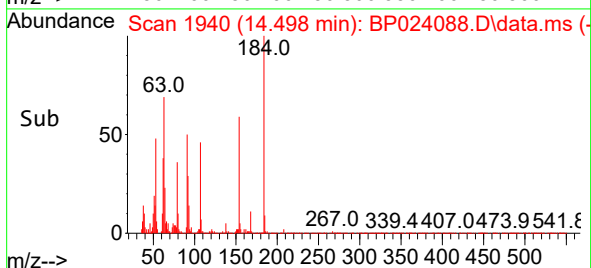
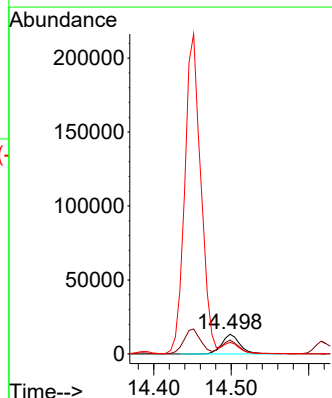
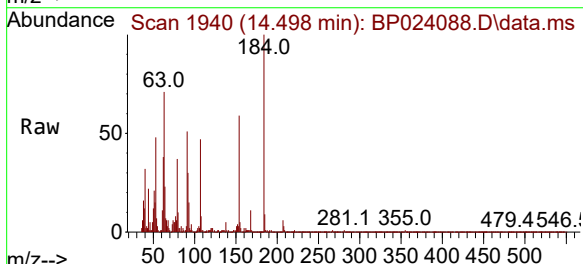
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

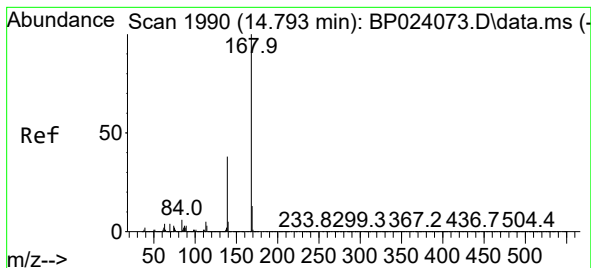
Tgt Ion:138 Resp: 70617
Ion Ratio Lower Upper
138 100
108 11.9 7.8 11.8#
92 114.1 88.4 132.6



#54
2,4-Dinitrophenol
Concen: 10.924 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:184 Resp: 21673
Ion Ratio Lower Upper
184 100
63 70.8 49.4 74.0
154 59.1 49.2 73.8





#55

Dibenzofuran

Concen: 8.213 ng

RT: 14.793 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

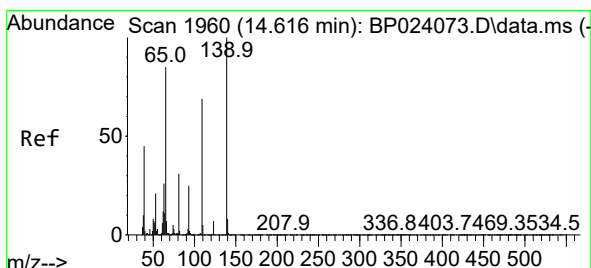
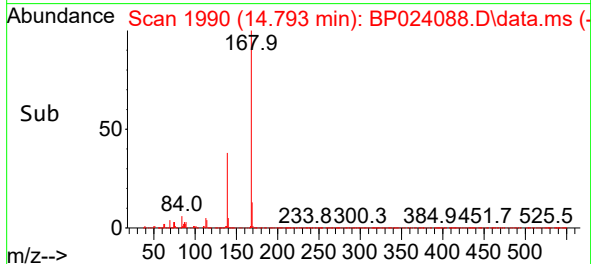
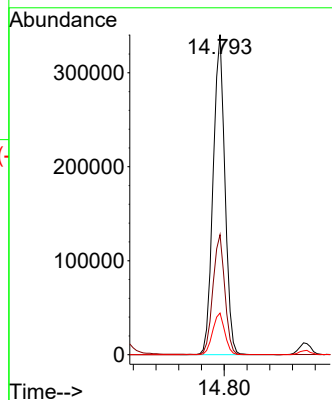
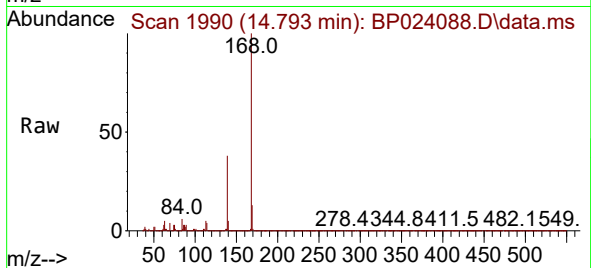
Tgt Ion:168 Resp: 488375

Ion Ratio Lower Upper

168 100

139 37.5 30.2 45.2

169 13.0 10.7 16.1



#56

4-Nitrophenol

Concen: 5.662 ng

RT: 14.616 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

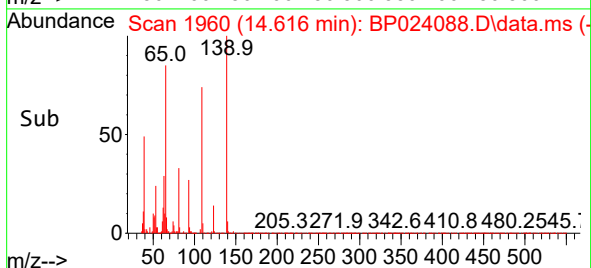
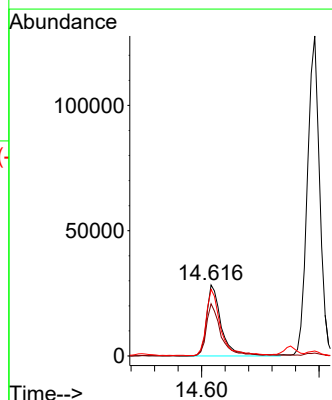
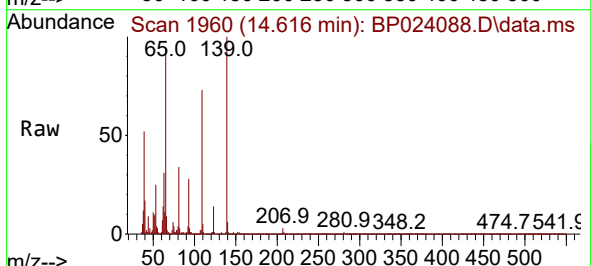
Tgt Ion:139 Resp: 49253

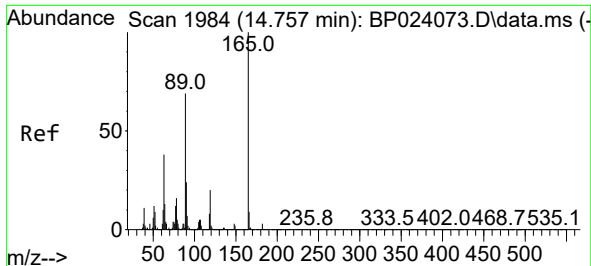
Ion Ratio Lower Upper

139 100

109 73.4 49.2 89.2

65 93.6 65.4 105.4





#57

2,4-Dinitrotoluene

Concen: 6.474 ng

RT: 14.751 min Scan# 1984

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:165 Resp: 79373

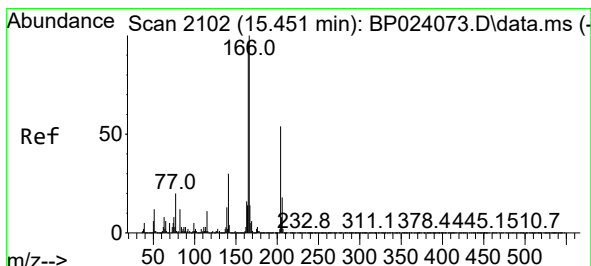
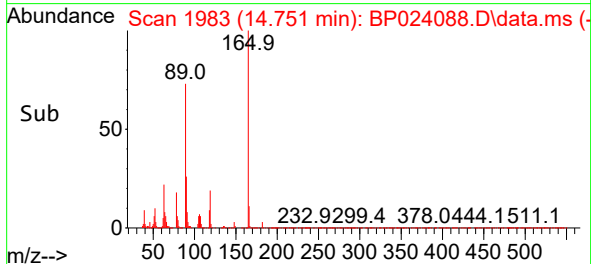
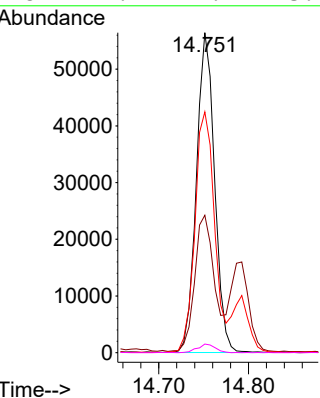
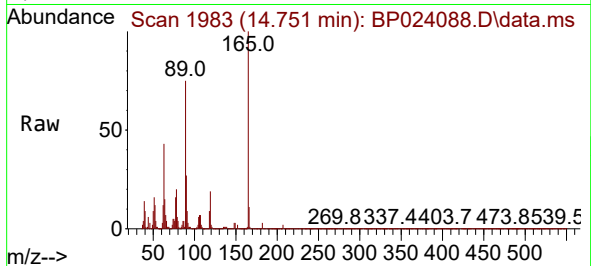
Ion Ratio Lower Upper

165 100

63 43.0 30.4 45.6

89 75.3 54.8 82.2

182 2.7 2.2 3.4



#58

Fluorene

Concen: 7.971 ng

RT: 15.451 min Scan# 2102

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

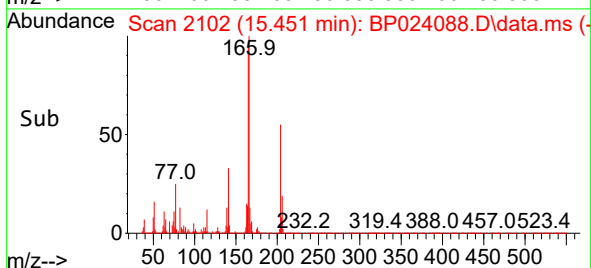
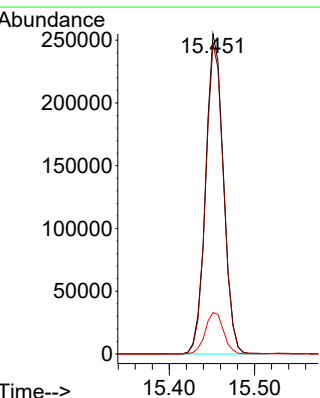
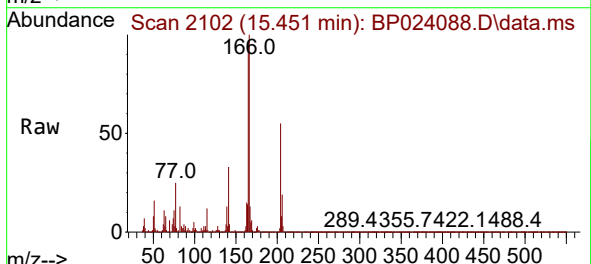
Tgt Ion:166 Resp: 370179

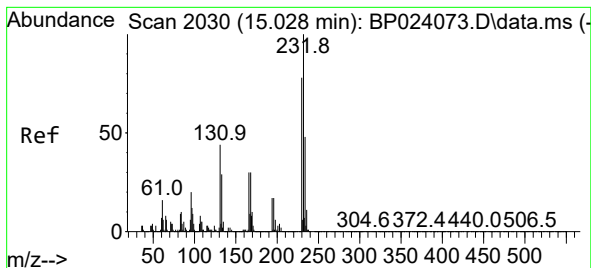
Ion Ratio Lower Upper

166 100

165 97.0 77.5 116.3

167 13.0 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.020 ng

RT: 15.022 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:232 Resp: 81972

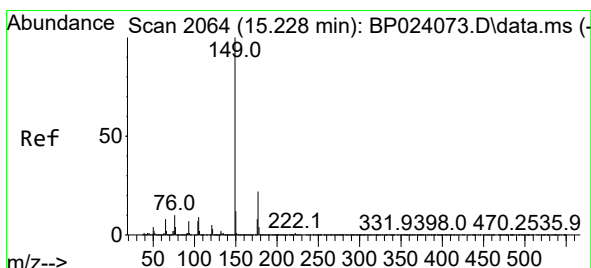
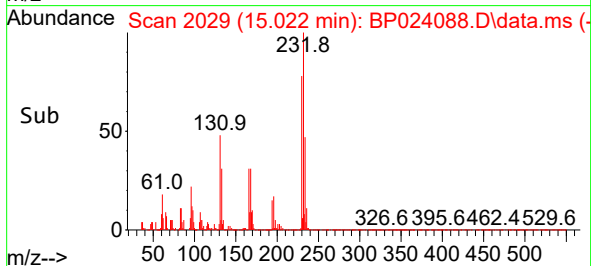
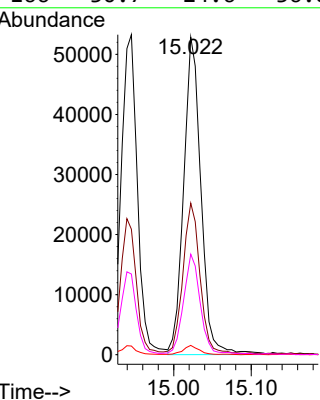
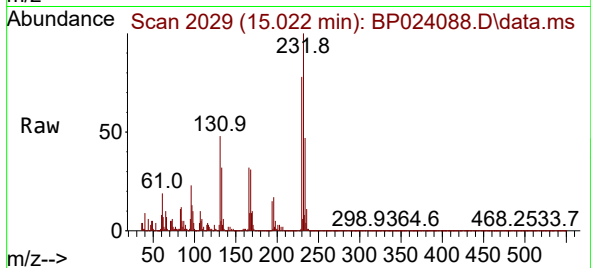
Ion Ratio Lower Upper

232 100

131 46.6 37.3 55.9

130 2.5 1.9 2.9

166 30.7 24.6 36.8



#60

Diethylphthalate

Concen: 7.465 ng

RT: 15.228 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

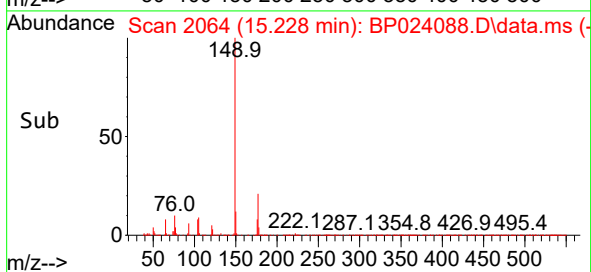
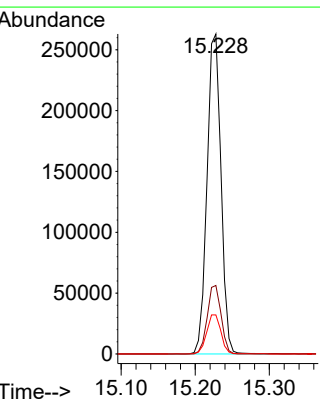
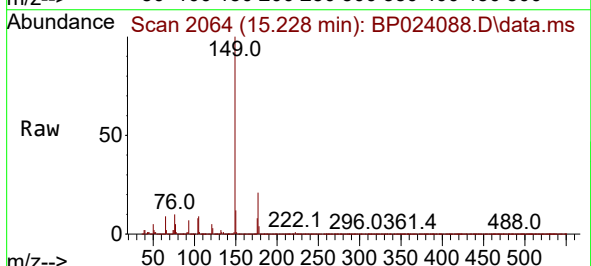
Tgt Ion:149 Resp: 343339

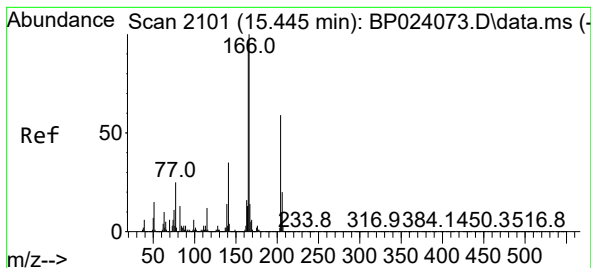
Ion Ratio Lower Upper

149 100

177 21.4 17.9 26.9

150 12.2 9.8 14.6

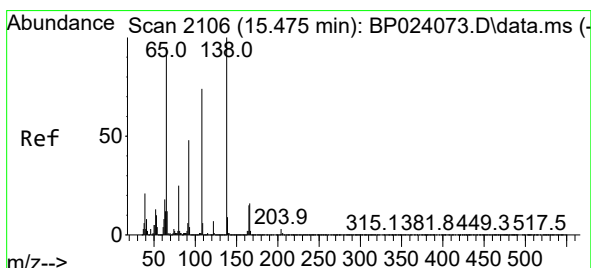
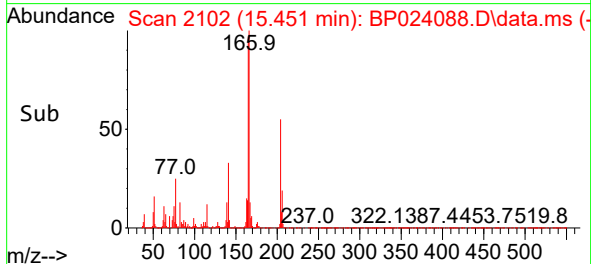
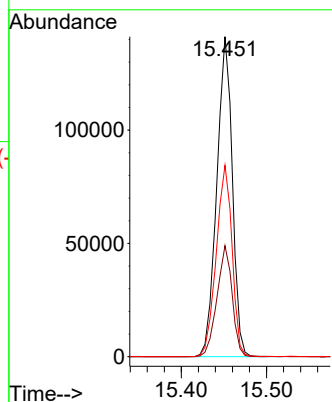
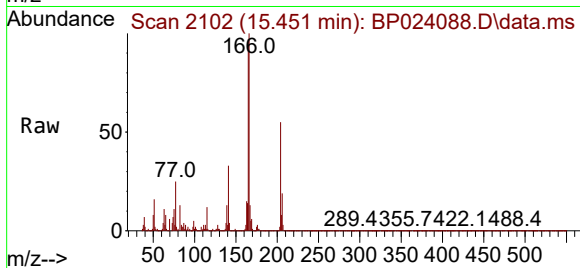




#61
4-Chlorophenyl-phenylether
Concen: 7.864 ng
RT: 15.451 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

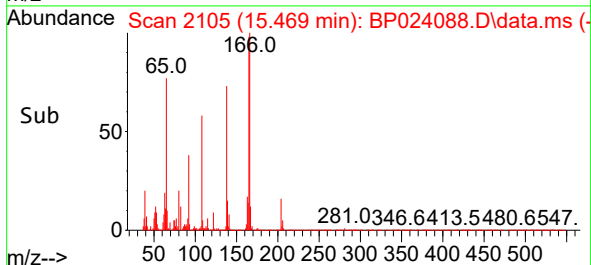
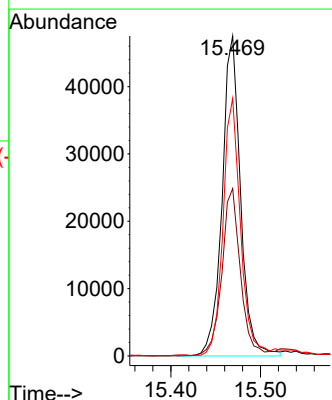
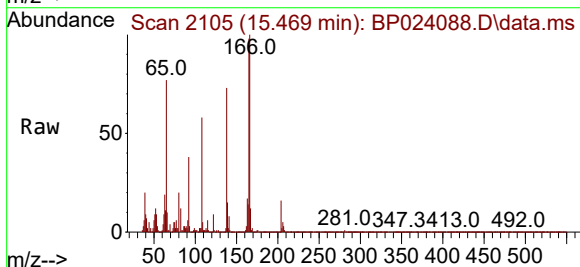
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

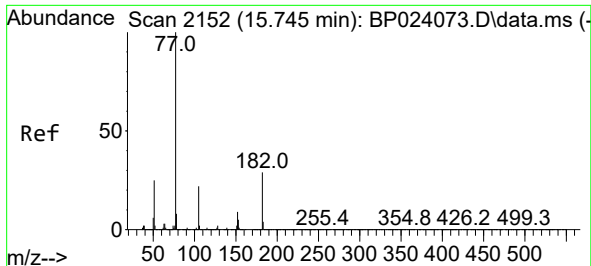
Tgt Ion:204 Resp: 179755
Ion Ratio Lower Upper
204 100
206 34.7 26.6 39.8
141 59.8 47.8 71.6



#62
4-Nitroaniline
Concen: 8.587 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:138 Resp: 67826
Ion Ratio Lower Upper
138 100
92 52.3 28.3 68.3
108 80.5 54.0 94.0

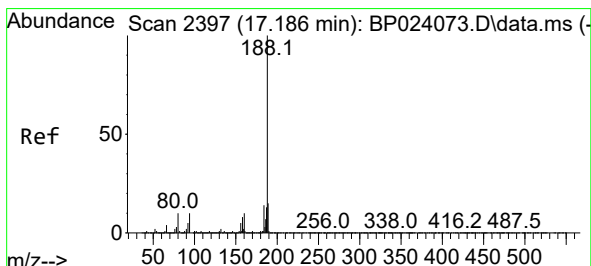
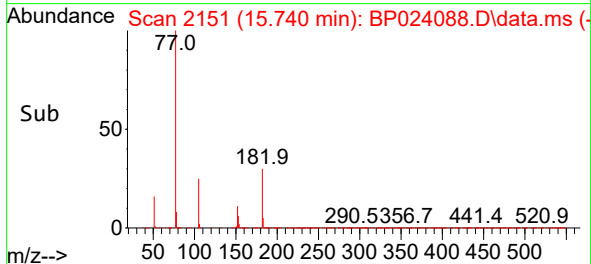
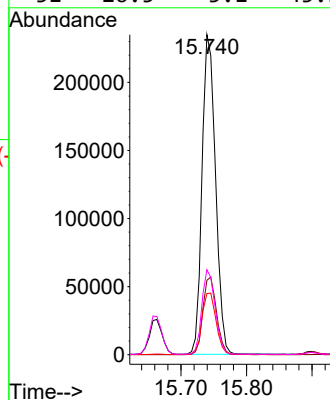
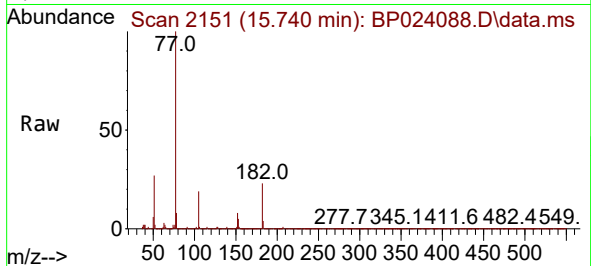




#63
Azobenzene
Concen: 7.815 ng
RT: 15.740 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

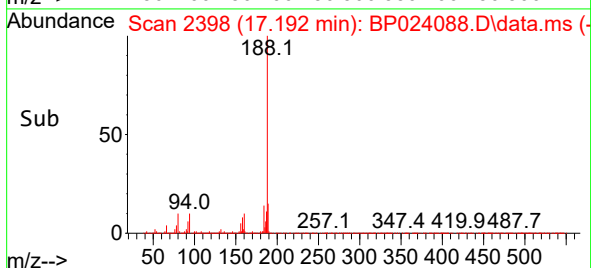
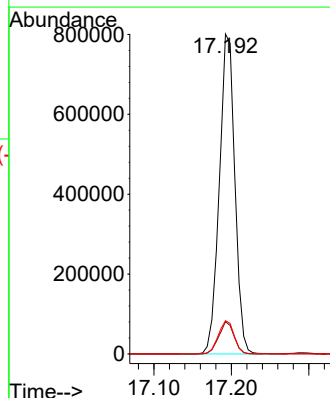
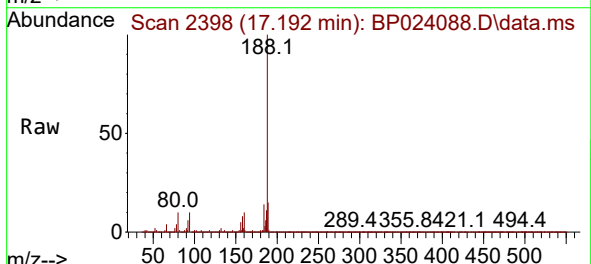
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

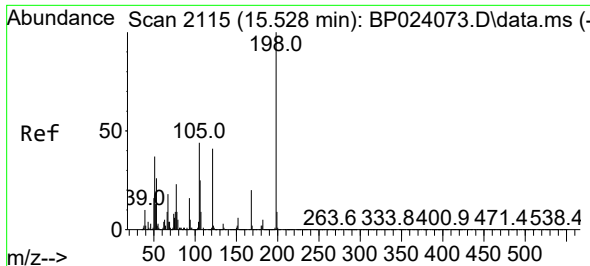
Tgt Ion:	77	Resp:	336786
Ion	Ratio	Lower	Upper
77	100		
182	23.3	8.5	48.5
105	19.1	1.8	41.8
51	26.5	5.1	45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:	188	Resp:	1117933
Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.6	11.4
80	10.4	8.2	12.2

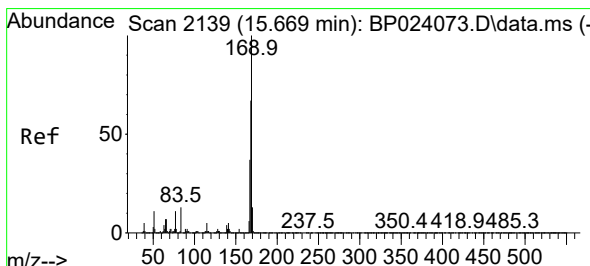
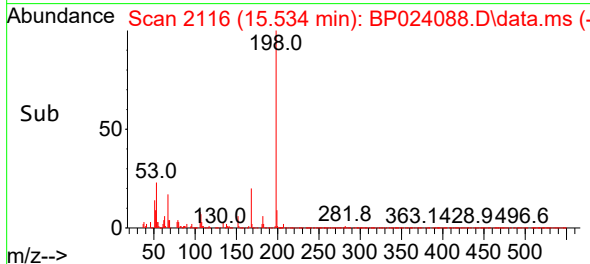
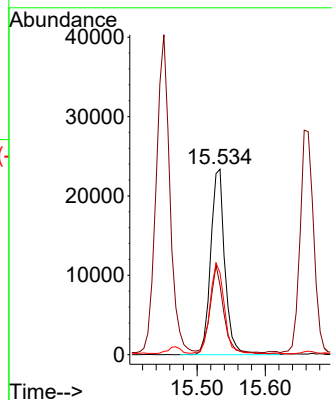
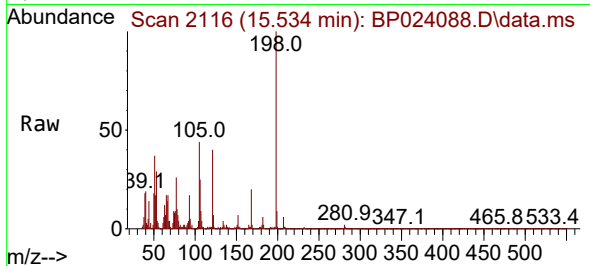




#65
4,6-Dinitro-2-methylphenol
Concen: 10.120 ng
RT: 15.534 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

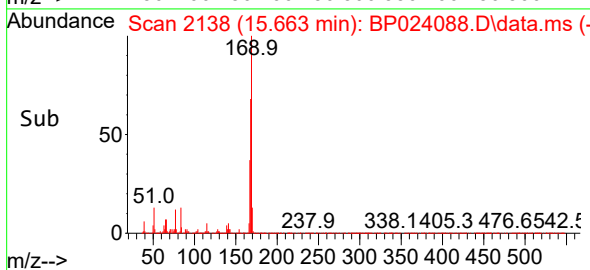
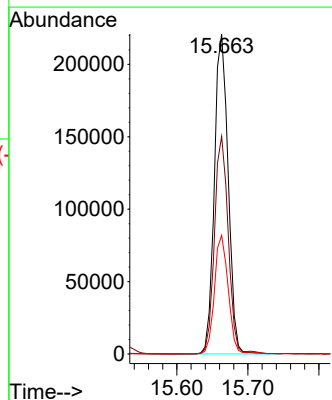
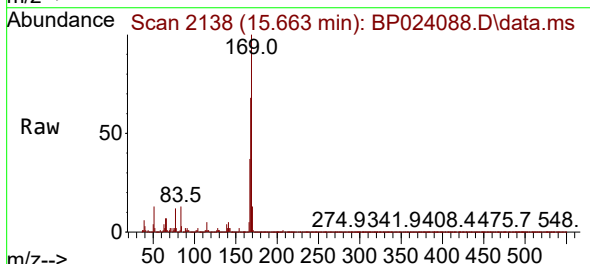
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

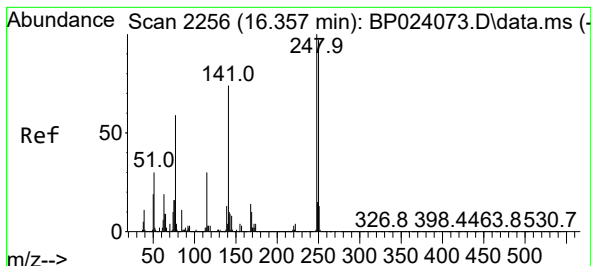
Tgt Ion:198 Resp: 33748
Ion Ratio Lower Upper
198 100
51 37.4 18.7 58.7
105 44.1 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 8.516 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:169 Resp: 296883
Ion Ratio Lower Upper
169 100
168 68.0 53.6 80.4
167 37.0 29.5 44.3

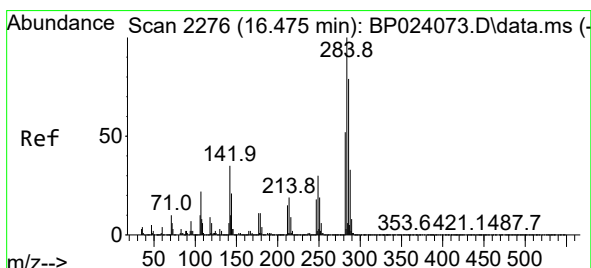
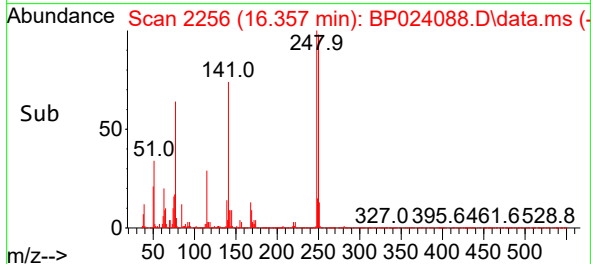
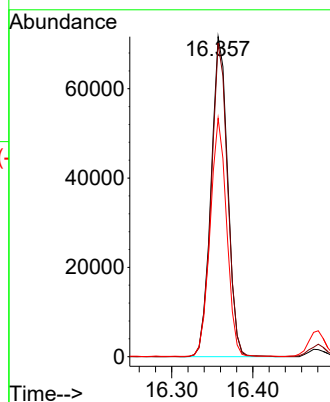
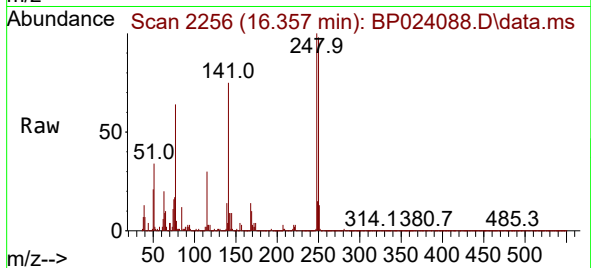




#67
4-Bromophenyl-phenylether
Concen: 8.099 ng
RT: 16.357 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

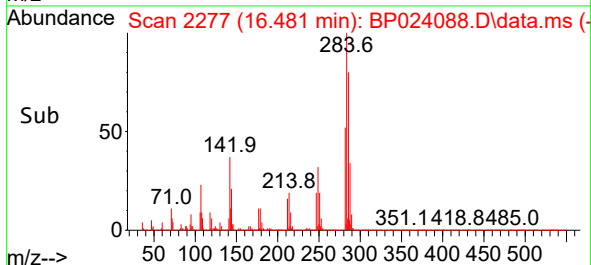
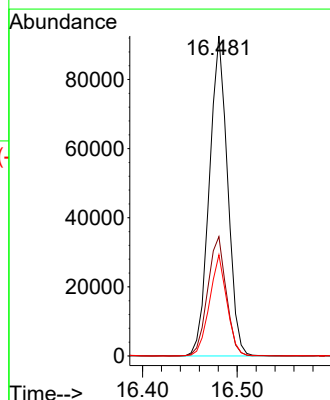
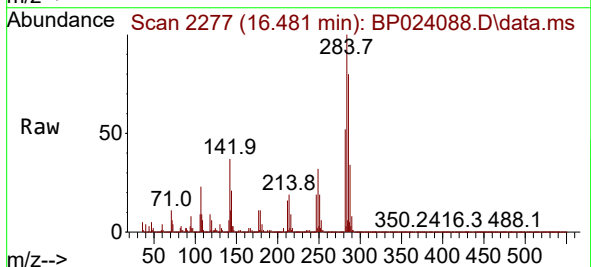
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

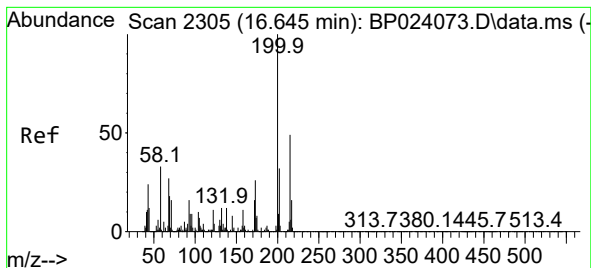
Tgt Ion:248 Resp: 101672
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 74.5 58.8 88.2



#68
Hexachlorobenzene
Concen: 8.364 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:284 Resp: 123548
Ion Ratio Lower Upper
284 100
142 37.3 27.7 41.5
249 31.6 23.8 35.6





#69

Atrazine

Concen: 9.555 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

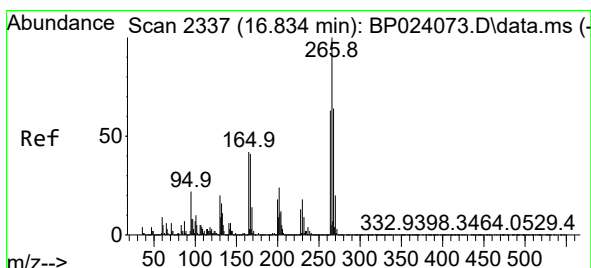
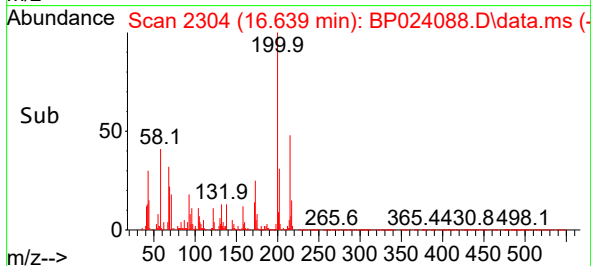
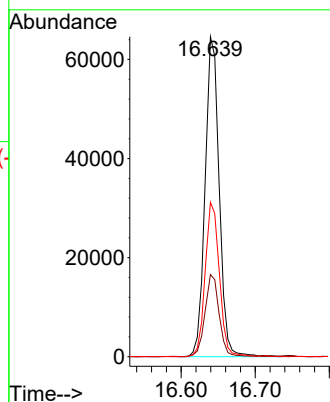
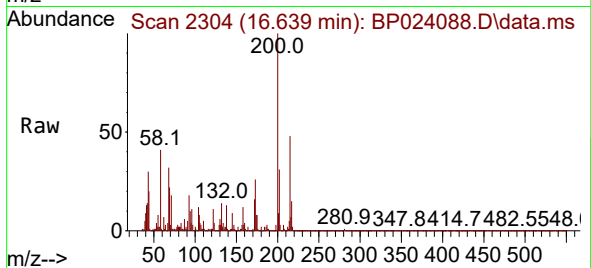
Tgt Ion:200 Resp: 85483

Ion Ratio Lower Upper

200 100

173 25.7 5.7 45.7

215 48.2 28.7 68.7



#70

Pentachlorophenol

Concen: 5.161 ng

RT: 16.839 min Scan# 2338

Delta R.T. 0.005 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

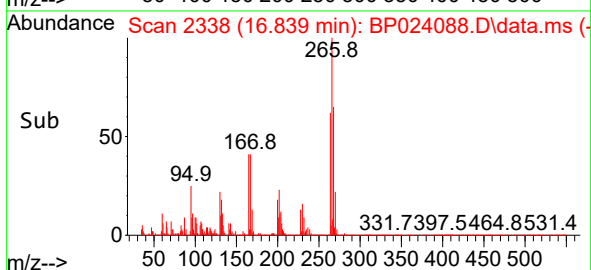
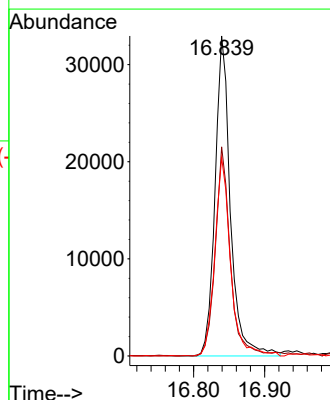
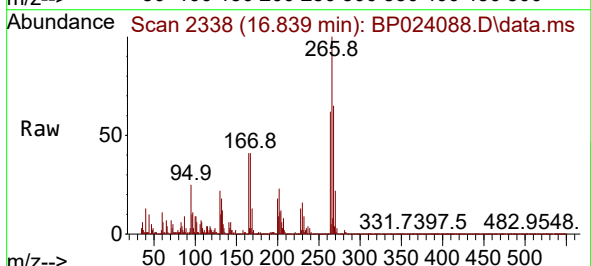
Tgt Ion:266 Resp: 49514

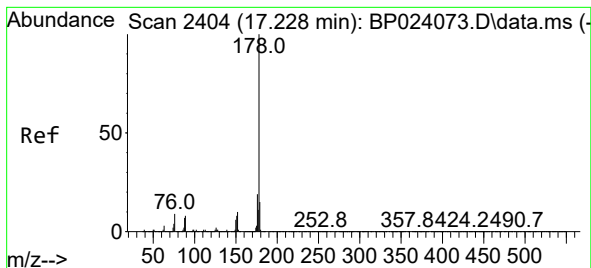
Ion Ratio Lower Upper

266 100

268 65.4 51.3 76.9

264 62.0 50.5 75.7





#71

Phenanthrene

Concen: 8.846 ng

RT: 17.234 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

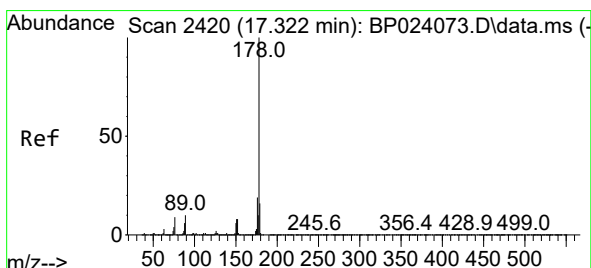
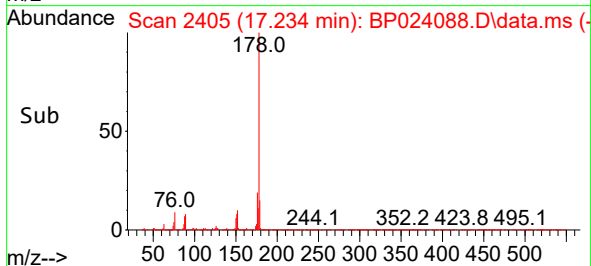
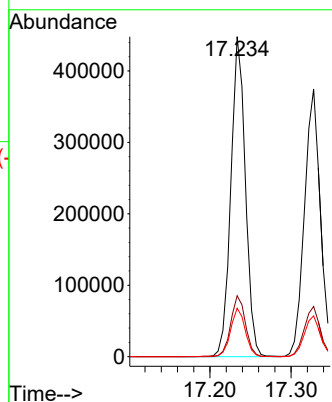
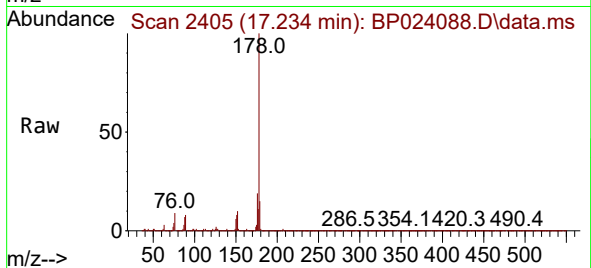
Tgt Ion:178 Resp: 557532

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 8.583 ng

RT: 17.328 min Scan# 2421

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

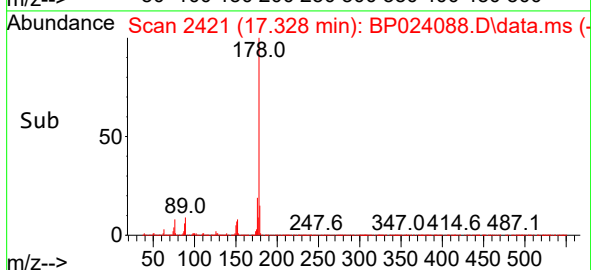
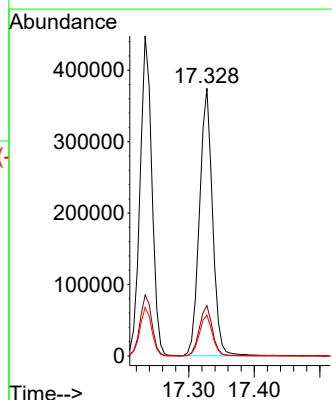
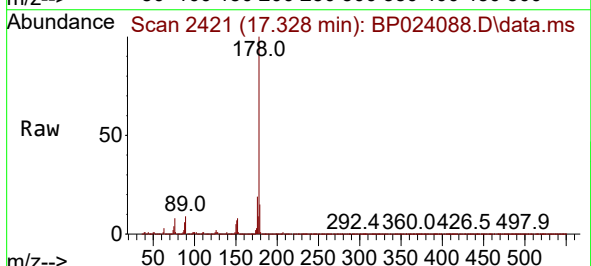
Tgt Ion:178 Resp: 518418

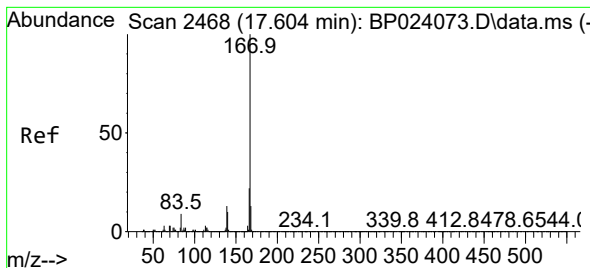
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.3 12.6 19.0





#73

Carbazole

Concen: 8.076 ng

RT: 17.604 min Scan# 2468

Delta R.T. 0.000 min

Lab File: BP024088.D

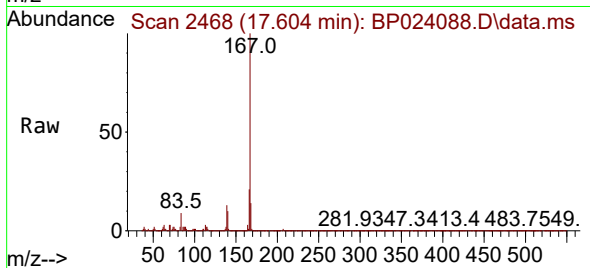
Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025



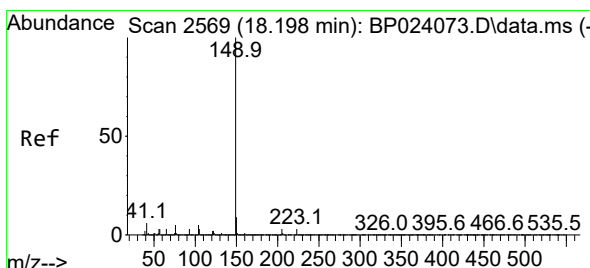
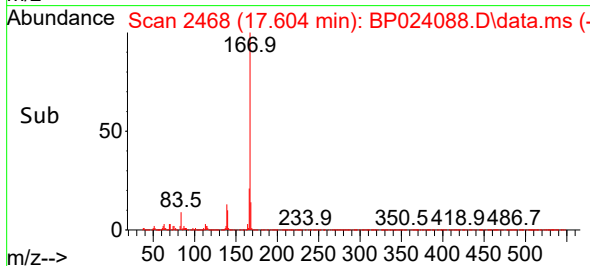
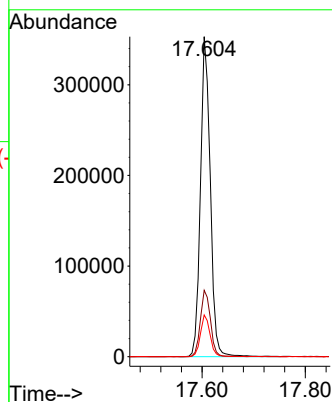
Tgt Ion:167 Resp: 464736

Ion Ratio Lower Upper

167 100

166 20.8 17.3 25.9

139 13.1 10.3 15.5



#74

Di-n-butylphthalate

Concen: 6.840 ng

RT: 18.210 min Scan# 2571

Delta R.T. 0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

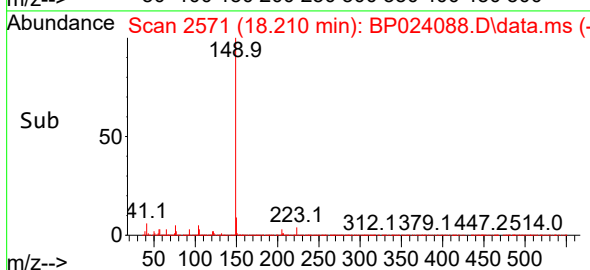
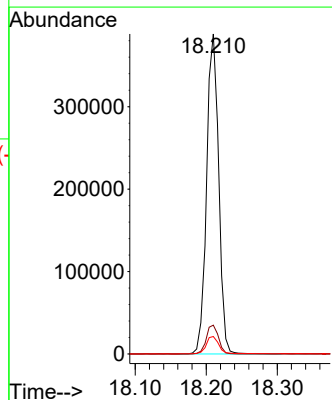
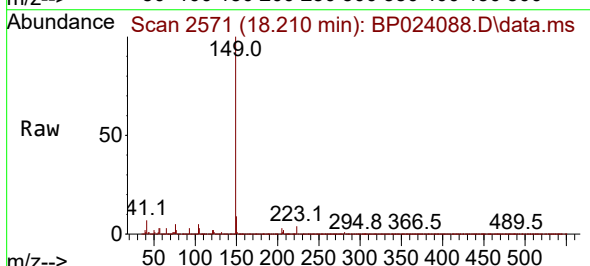
Tgt Ion:149 Resp: 459269

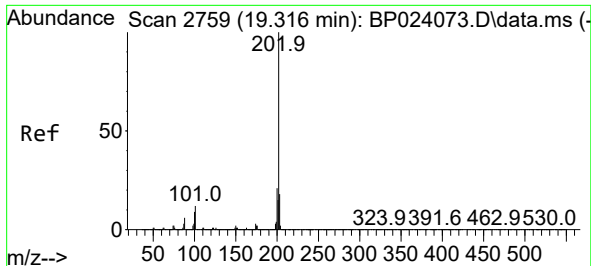
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.5 4.2 6.2

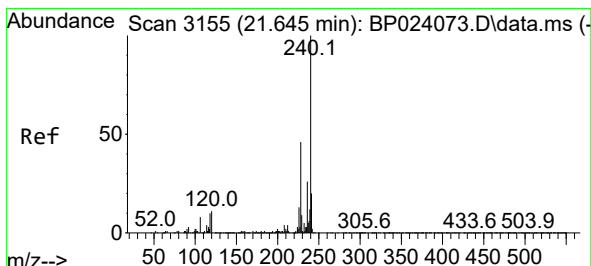
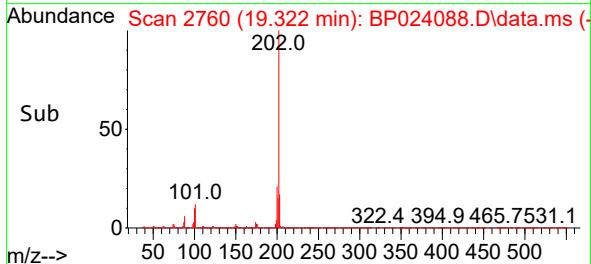
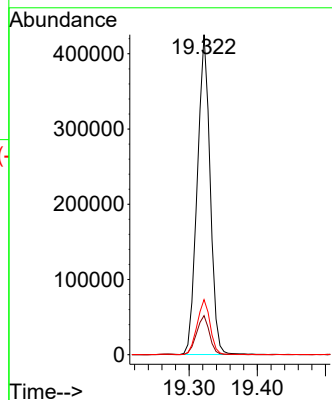
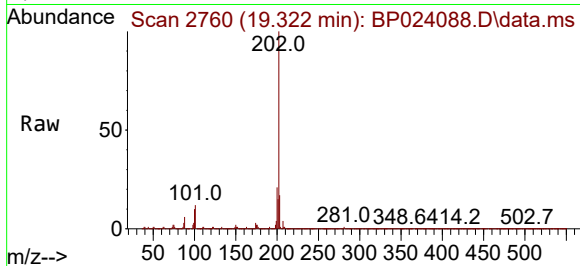




#75
Fluoranthene
Concen: 7.795 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

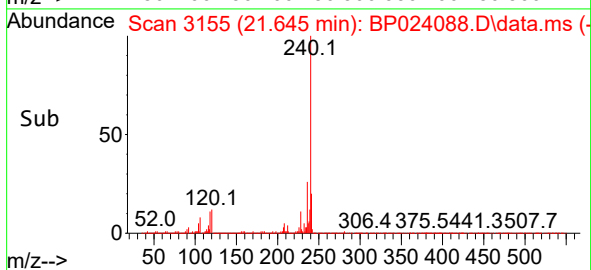
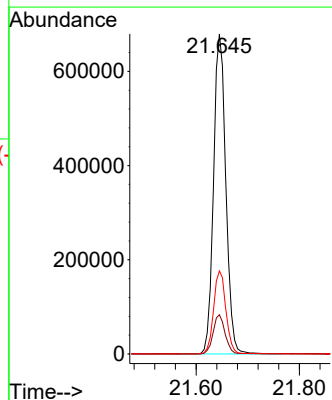
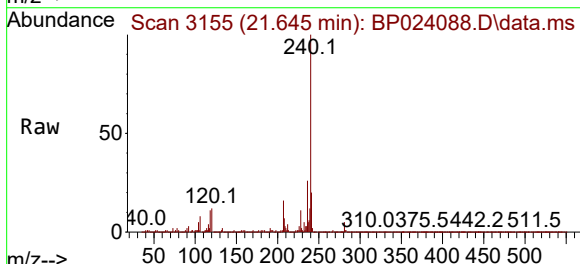
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

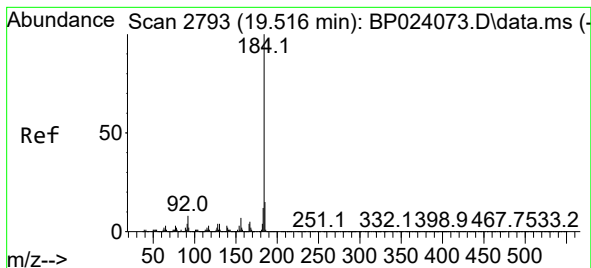
Tgt Ion:202 Resp: 555714
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:240 Resp: 1119151
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.0 20.7 31.1





#77

Benzidine

Concen: 14.796 ng

RT: 19.522 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

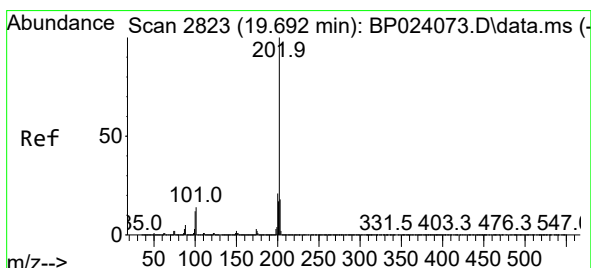
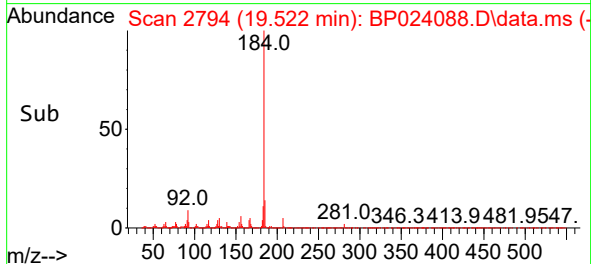
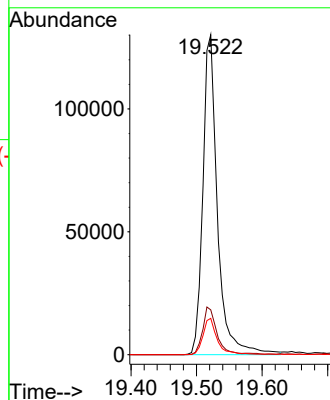
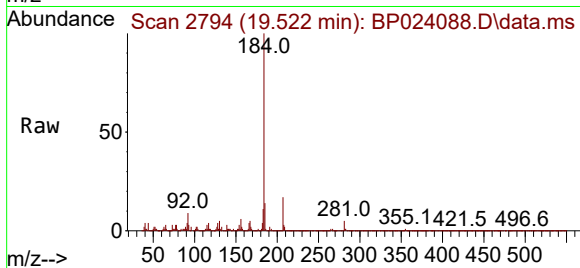
Tgt Ion:184 Resp: 201786

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.8

183 11.3 9.3 13.9



#78

Pyrene

Concen: 8.332 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

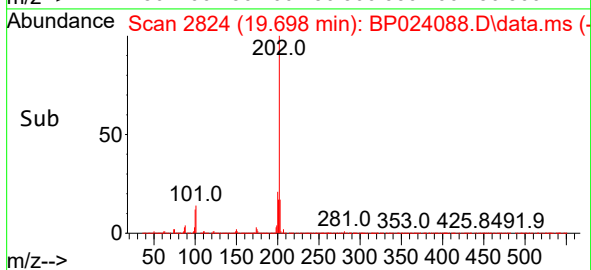
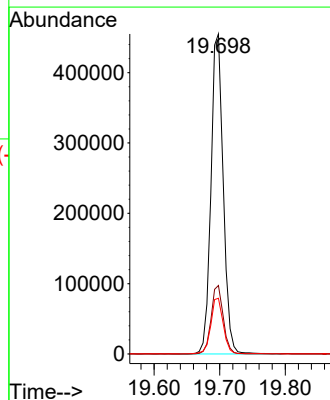
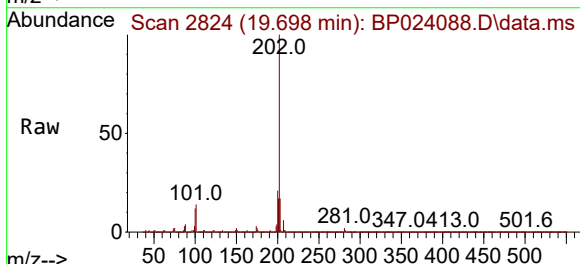
Tgt Ion:202 Resp: 592282

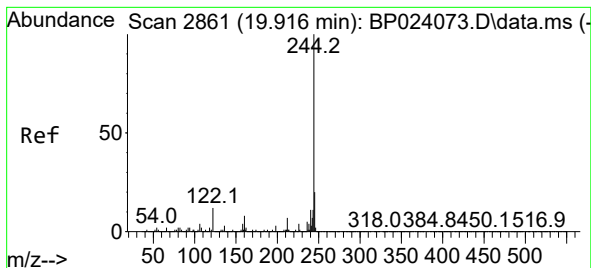
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 60.718 ng

RT: 19.928 min Scan# 2861

Delta R.T. 0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

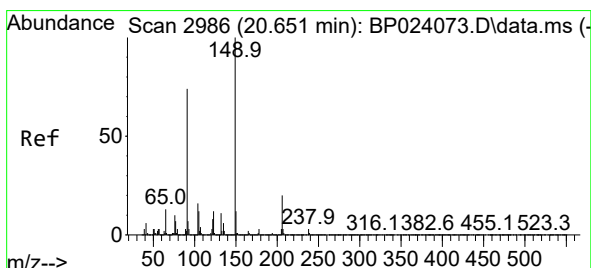
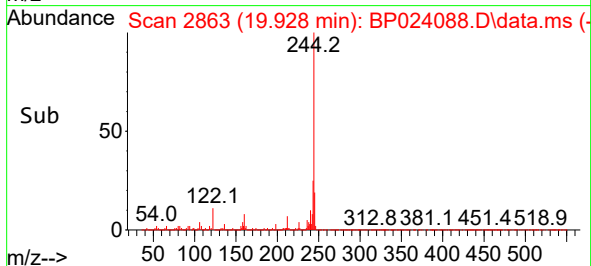
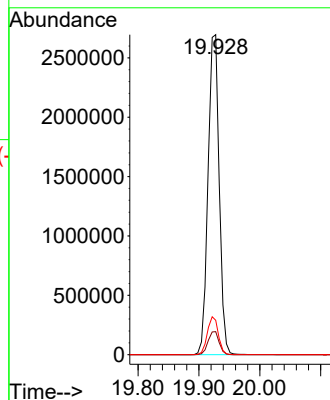
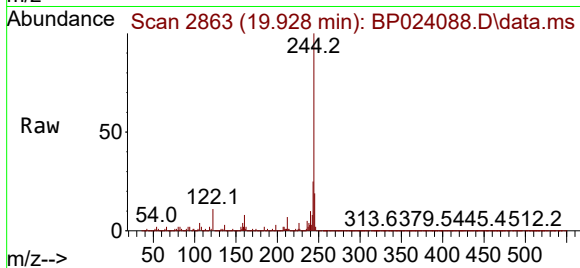
Tgt Ion:244 Resp: 3434150

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.7 9.4 14.2



#80

Butylbenzylphthalate

Concen: 6.473 ng

RT: 20.663 min Scan# 2988

Delta R.T. 0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

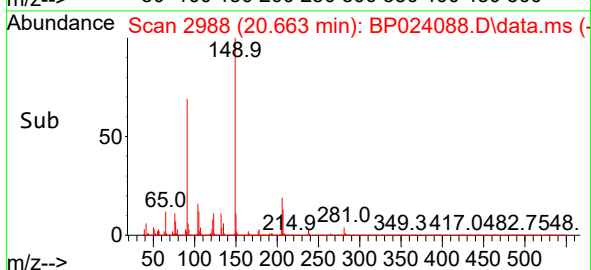
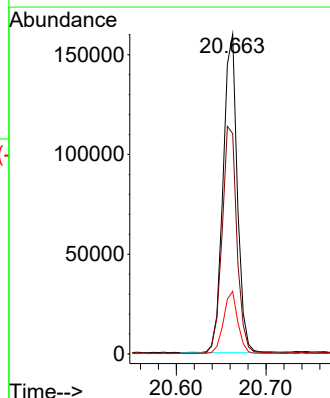
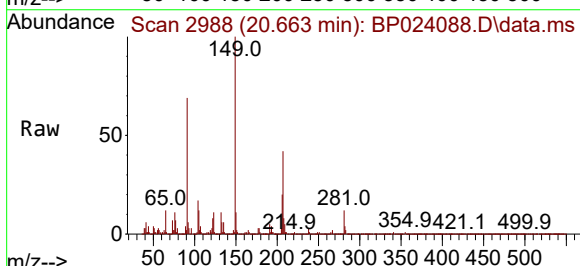
Tgt Ion:149 Resp: 176328

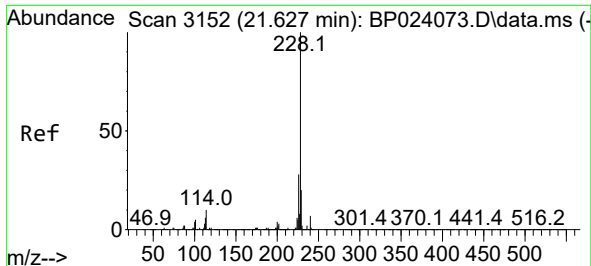
Ion Ratio Lower Upper

149 100

91 68.9 59.4 89.0

206 19.6 16.2 24.2

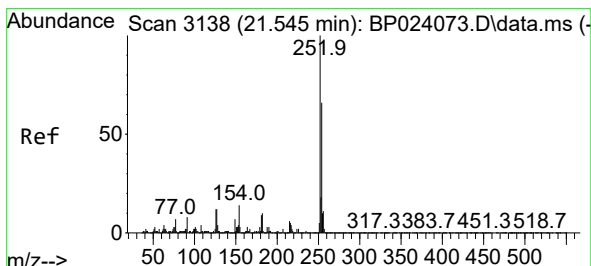
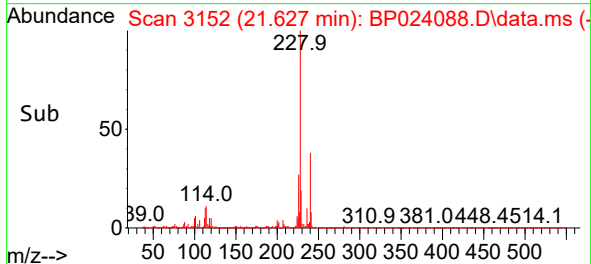
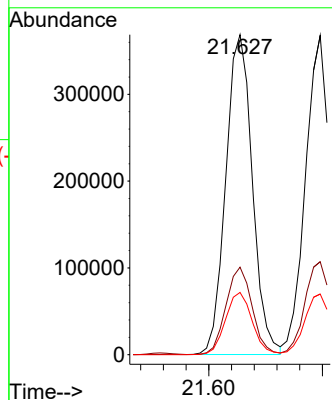
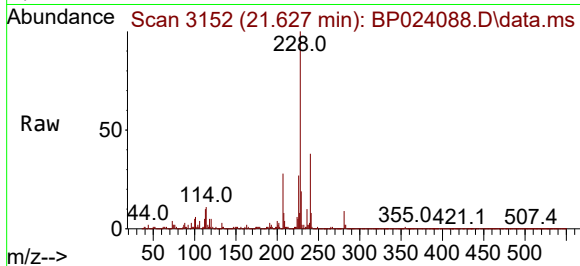




#81
Benzo(a)anthracene
Concen: 8.542 ng
RT: 21.627 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

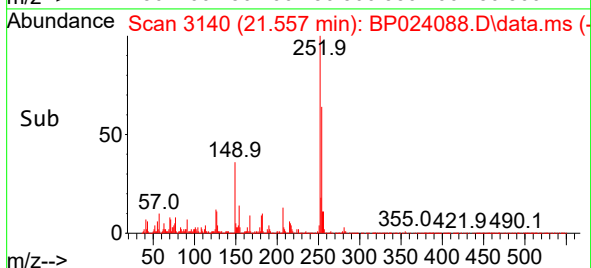
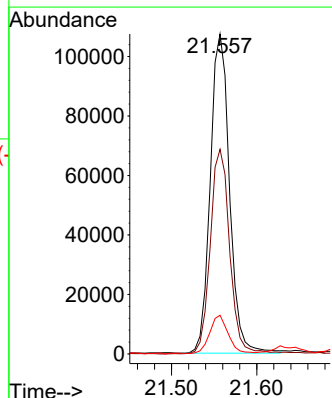
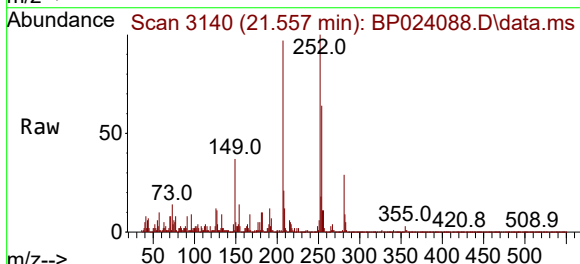
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

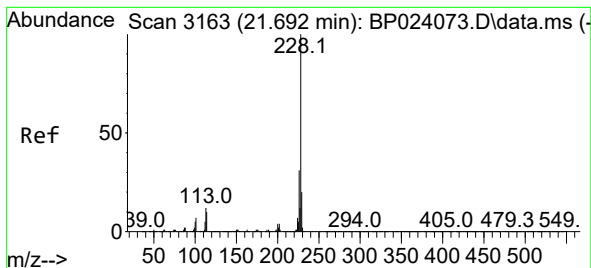
Tgt Ion:228 Resp: 599478
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.5 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 7.676 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:252 Resp: 168318
Ion Ratio Lower Upper
252 100
254 64.0 52.4 78.6
126 12.1 9.6 14.4





#83

Chrysene

Concen: 8.673 ng

RT: 21.698 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

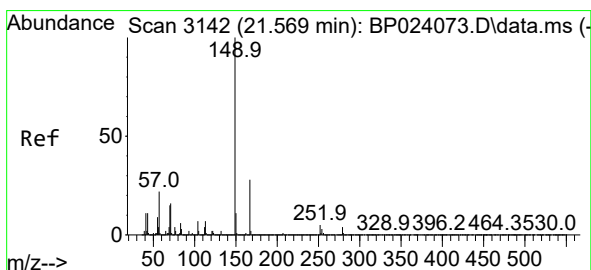
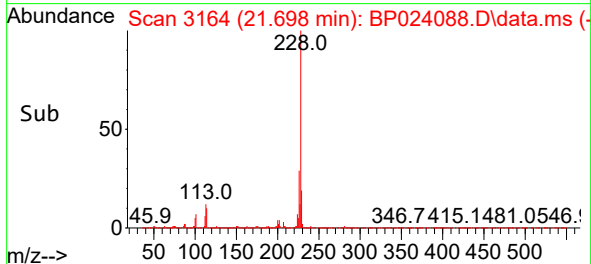
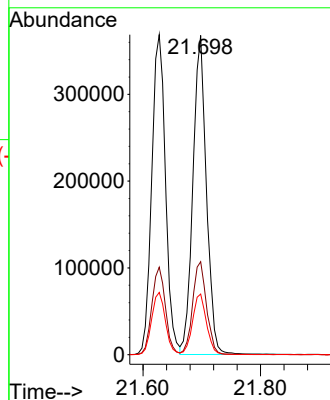
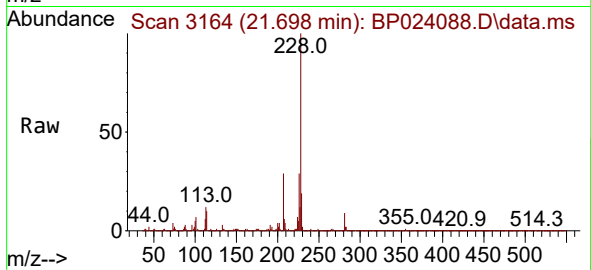
Tgt Ion:228 Resp: 586917

Ion Ratio Lower Upper

228 100

226 29.1 24.5 36.7

229 19.0 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.380 ng

RT: 21.575 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

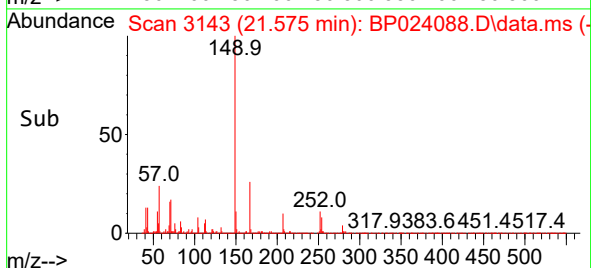
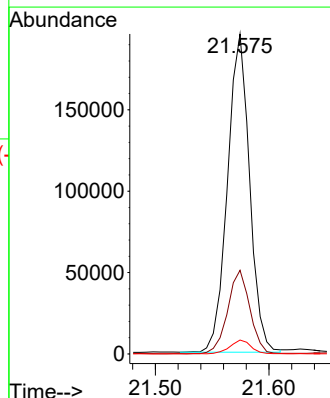
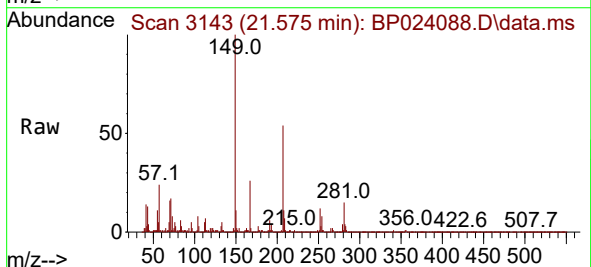
Tgt Ion:149 Resp: 263541

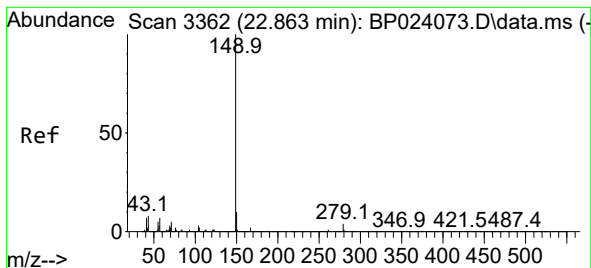
Ion Ratio Lower Upper

149 100

167 26.2 22.2 33.2

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 5.563 ng

RT: 22.869 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

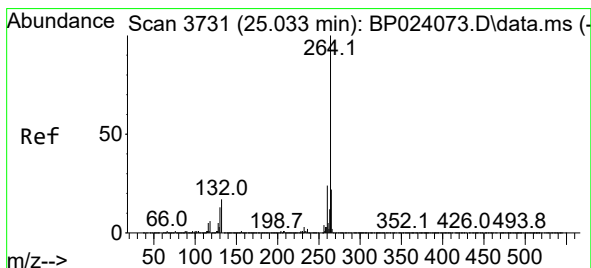
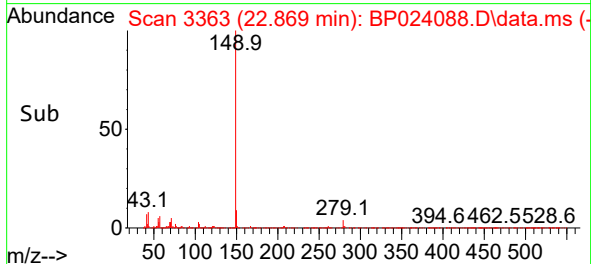
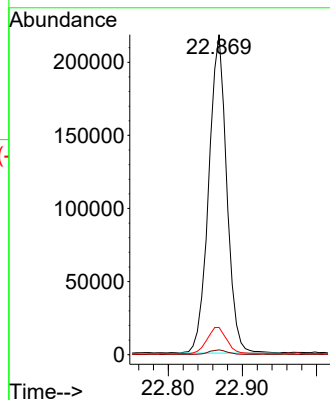
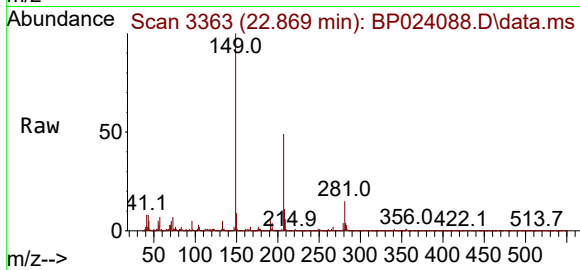
Tgt Ion:149 Resp: 367329

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.9 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.033 min Scan# 3731

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

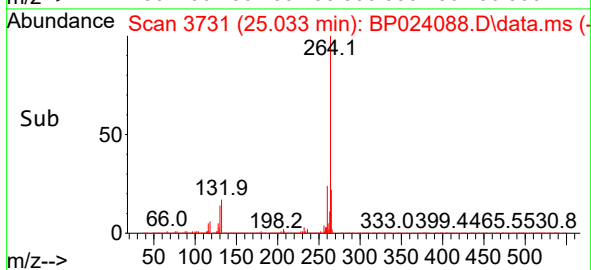
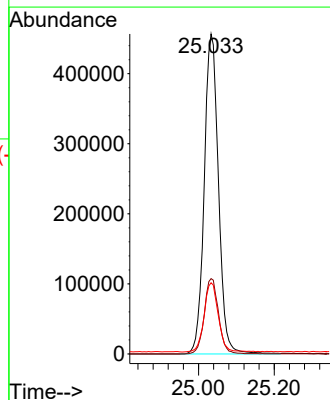
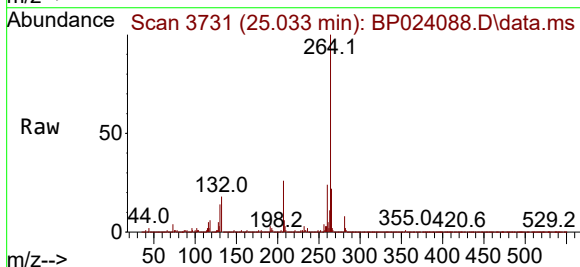
Tgt Ion:264 Resp: 1190641

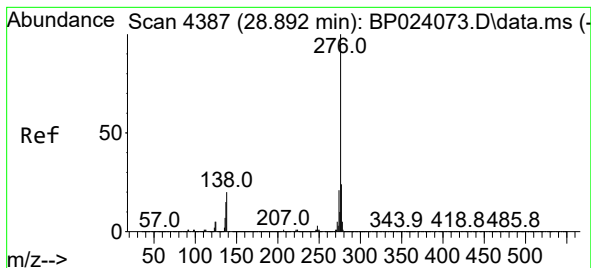
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.133 ng

RT: 28.856 min Scan# 41

Delta R.T. -0.035 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

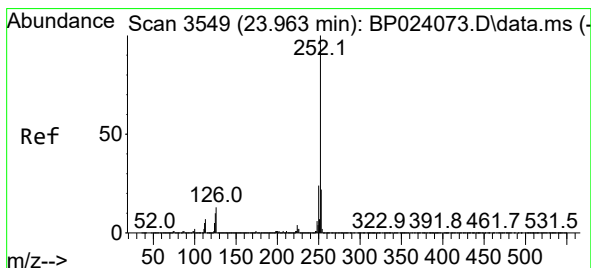
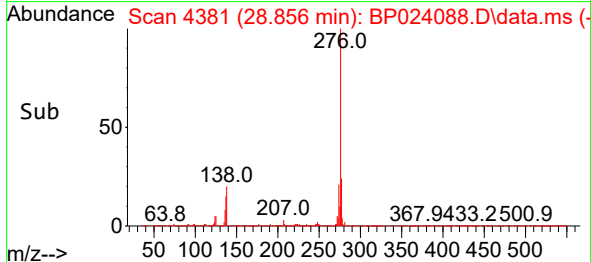
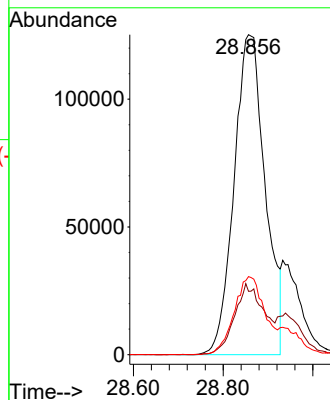
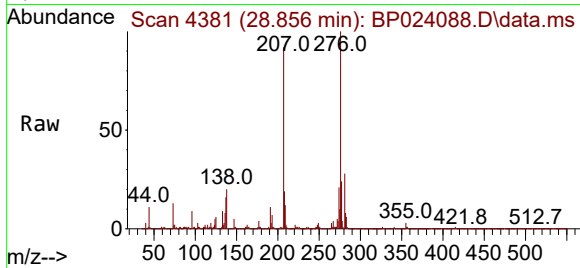
Tgt Ion:276 Resp: 604169

Ion Ratio Lower Upper

276 100

138 21.2 14.2 21.4

277 24.0 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 7.736 ng

RT: 23.945 min Scan# 3546

Delta R.T. -0.018 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

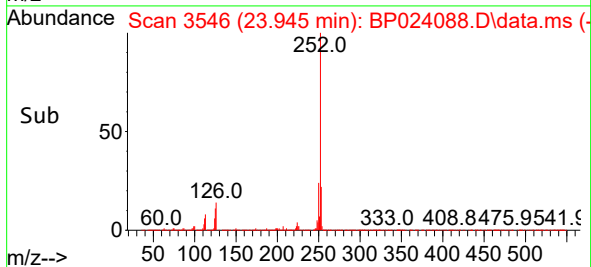
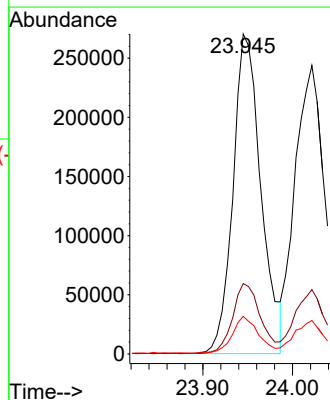
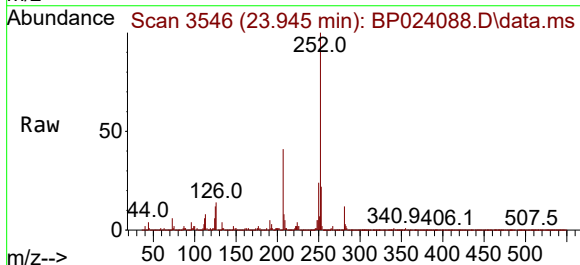
Tgt Ion:252 Resp: 584917

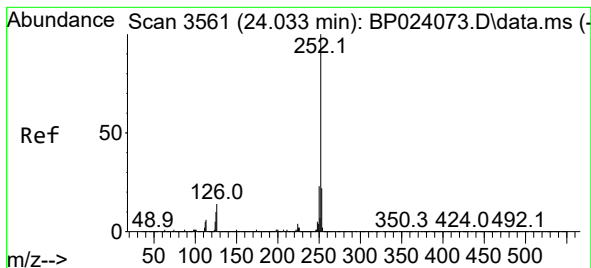
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.7 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 7.899 ng

RT: 24.021 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

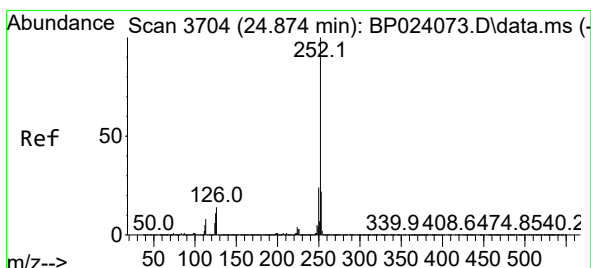
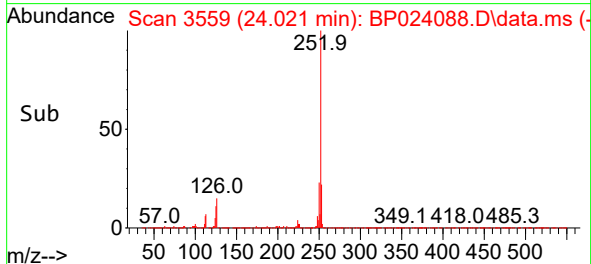
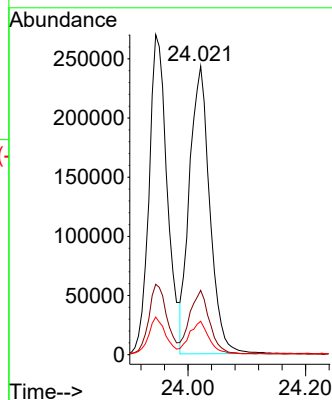
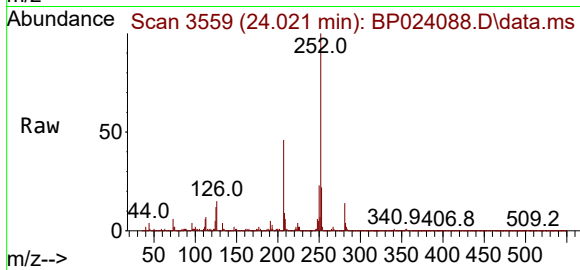
Tgt Ion:252 Resp: 581292

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 11.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 8.053 ng

RT: 24.868 min Scan# 3703

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

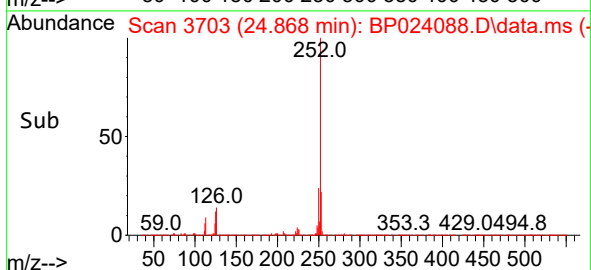
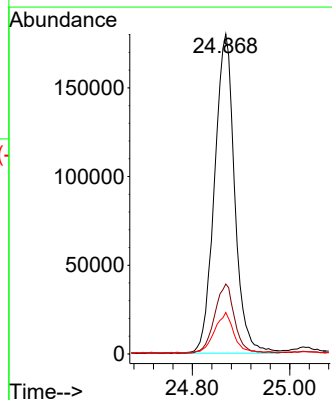
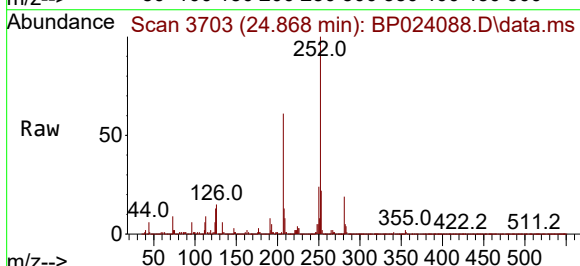
Tgt Ion:252 Resp: 516739

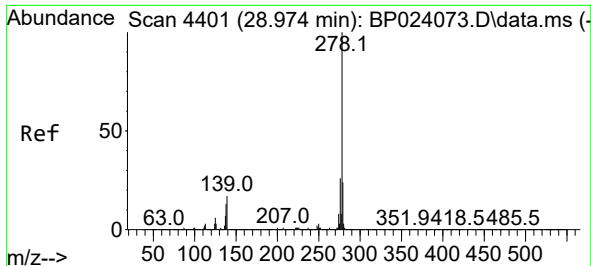
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 13.0 8.8 13.2

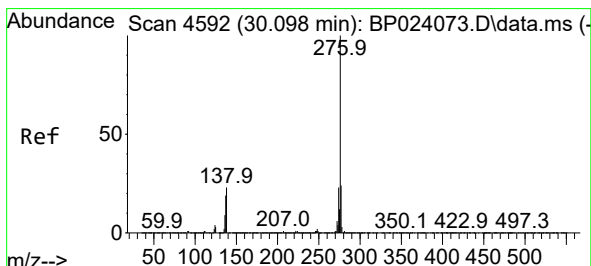
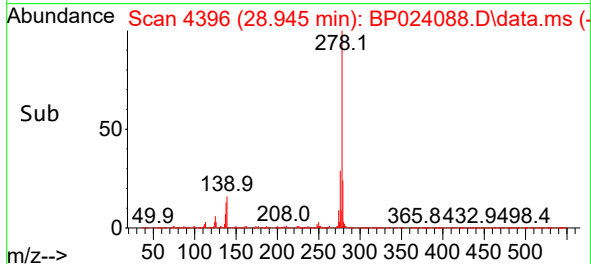
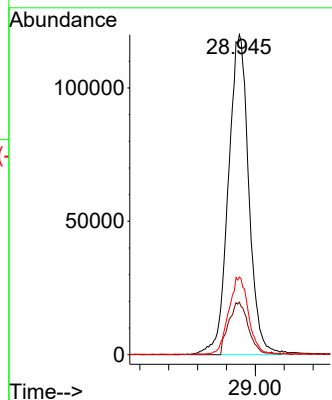
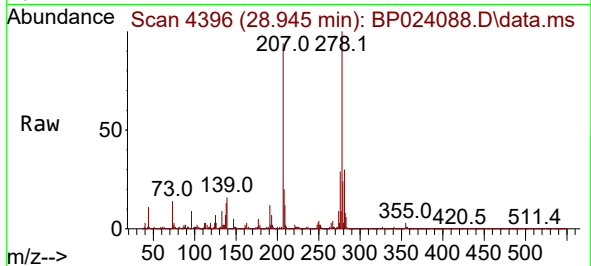




#91
Dibenzo(a,h)anthracene
Concen: 8.263 ng
RT: 28.945 min Scan# 41
Delta R.T. -0.029 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:278 Resp: 588489
Ion Ratio Lower Upper
278 100
139 16.4 13.4 20.0
279 24.3 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 7.786 ng
RT: 30.027 min Scan# 4580
Delta R.T. -0.071 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:276 Resp: 562676
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 24.1 18.1 27.1

