

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024086.D
 Acq On : 18 Feb 2025 16:36
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 18 18:03:39 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	7.757	152	301218	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1292586	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	769058	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1470452	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1444344	20.000	ng	0.00
86) Perylene-d12	25.027	264	1348776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1623062	84.077	ng	0.00
7) Phenol-d6	6.940	99	2194810	88.460	ng	0.00
23) Nitrobenzene-d5	8.904	82	1928328	83.228	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	816446	86.671	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	4509725	81.978	ng	0.00
79) Terphenyl-d14	19.922	244	6371012	87.283	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.311	88	92208	12.176	ng	100
3) Pyridine	3.711	79	212149	10.775	ng	98
4) n-Nitrosodimethylamine	3.616	42	83060	11.893	ng	# 90
6) Aniline	7.093	93	328922	14.476	ng	100
8) 2-Chlorophenol	7.334	128	240175	11.755	ng	98
9) Benzaldehyde	6.910	77	208679	18.422	ng	99
10) Phenol	6.963	94	299033	11.985	ng	94
11) bis(2-Chloroethyl)ether	7.187	93	239102	12.167	ng	98
12) 1,3-Dichlorobenzene	7.652	146	271883	12.112	ng	100
13) 1,4-Dichlorobenzene	7.793	146	271089	11.942	ng	99
14) 1,2-Dichlorobenzene	8.110	146	273213	12.541	ng	99
15) Benzyl Alcohol	7.999	79	191537	12.612	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	264555	13.868	ng	98
17) 2-Methylphenol	8.204	107	186860	12.290	ng	99
18) Hexachloroethane	8.834	117	102058	12.484	ng	98
19) n-Nitroso-di-n-propyla...	8.557	70	179986	13.492	ng	99
20) 3+4-Methylphenols	8.528	107	256172	12.385	ng	96
22) Acetophenone	8.569	105	399836	12.037	ng	99
24) Nitrobenzene	8.946	77	278413	12.210	ng	97
25) Isophorone	9.475	82	471985	12.457	ng	99
26) 2-Nitrophenol	9.651	139	106516	10.139	ng	97
27) 2,4-Dimethylphenol	9.722	122	178753	12.963	ng	99
28) bis(2-Chloroethoxy)met...	9.946	93	329201	11.994	ng	99
29) 2,4-Dichlorophenol	10.193	162	201369	10.700	ng	100
30) 1,2,4-Trichlorobenzene	10.399	180	241031	11.179	ng	99
31) Naphthalene	10.587	128	810546	11.662	ng	100
32) Benzoic acid	9.804	122	97512	13.176	ng	96
33) 4-Chloroaniline	10.693	127	306080	12.501	ng	99
34) Hexachlorobutadiene	10.875	225	143490	11.490	ng	99
35) Caprolactam	11.469	113	60536	14.015	ng	95
36) 4-Chloro-3-methylphenol	11.828	107	207192	10.710	ng	99
37) 2-Methylnaphthalene	12.198	142	525947	11.385	ng	99
38) 1-Methylnaphthalene	12.416	142	490027	10.904	ng	99
40) 1,2,4,5-Tetrachloroben...	12.569	216	264214	11.181	ng	99
41) Hexachlorocyclopentadiene	12.551	237	126318	14.366	ng	98
43) 2,4,6-Trichlorophenol	12.810	196	142635	9.898	ng	99

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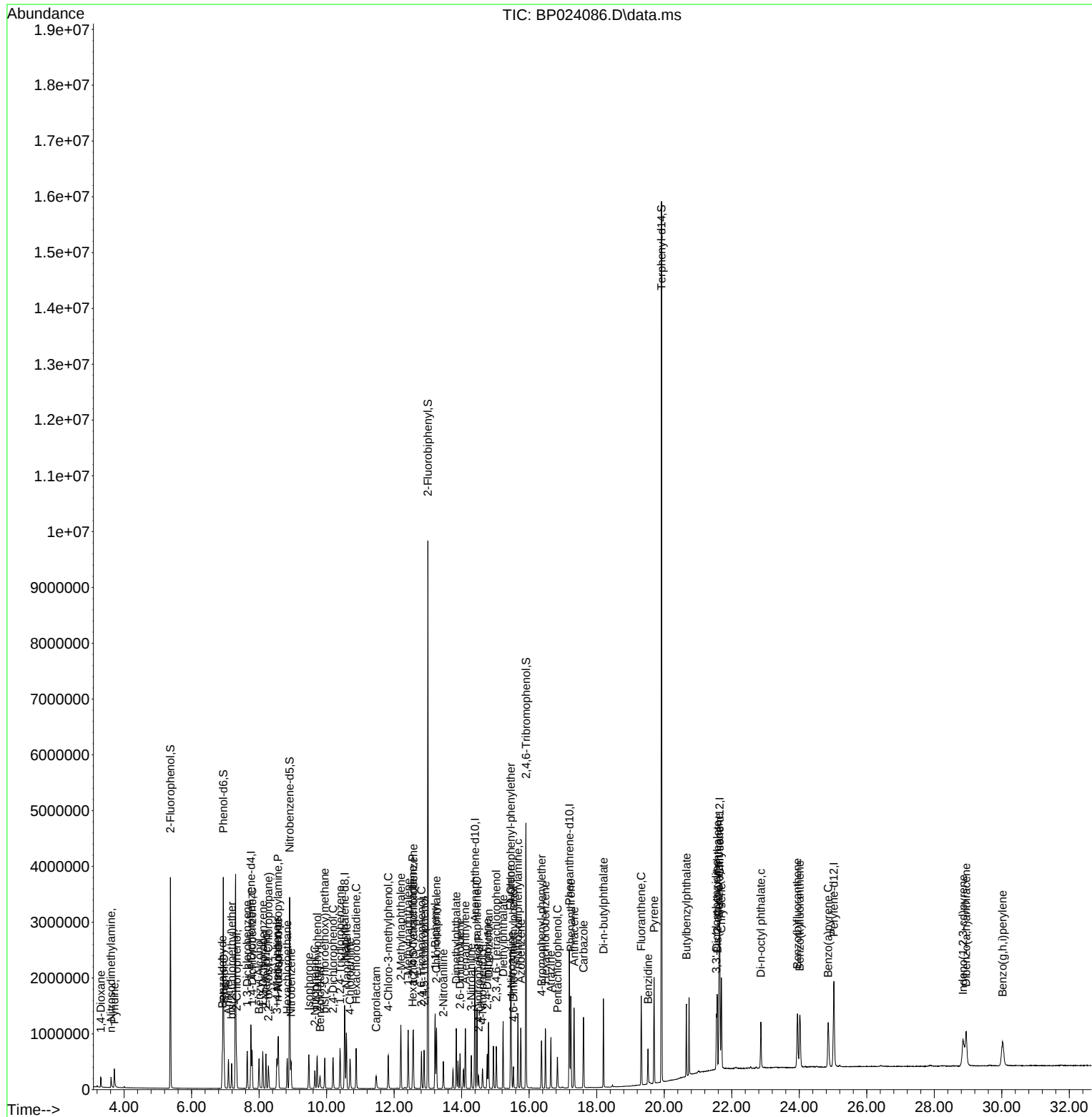
Quant Time: Feb 18 18:03:39 2025
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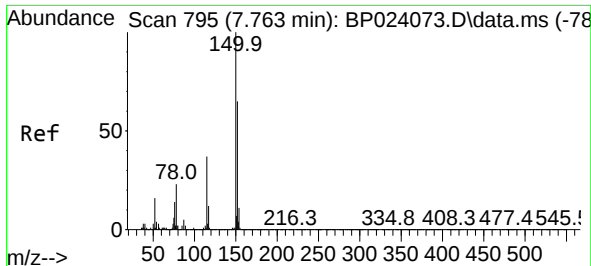
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	159574	10.125	ng	95
46) 1,1'-Biphenyl	13.216	154	700549	11.723	ng	99
47) 2-Chloronaphthalene	13.257	162	520698	11.526	ng	100
48) 2-Nitroaniline	13.457	65	117113	10.974	ng	92
49) Acenaphthylene	14.110	152	777515	11.682	ng	99
50) Dimethylphthalate	13.839	163	639901	11.796	ng	100
51) 2,6-Dinitrotoluene	13.951	165	123854	11.208	ng	91
52) Acenaphthene	14.457	154	494354	11.534	ng	99
53) 3-Nitroaniline	14.287	138	129818	11.009	ng	# 93
54) 2,4-Dinitrophenol	14.504	184	44236	13.261	ng	99
55) Dibenzofuran	14.798	168	789588	11.340	ng	99
56) 4-Nitrophenol	14.616	139	99339	9.753	ng	97
57) 2,4-Dinitrotoluene	14.757	165	156512	10.903	ng	92
58) Fluorene	15.451	166	624588	11.486	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.028	232	142114	10.393	ng	98
60) Diethylphthalate	15.228	149	632003	11.736	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	309151	11.550	ng	99
62) 4-Nitroaniline	15.475	138	130837	12.018	ng	92
63) Azobenzene	15.751	77	589893	11.690	ng	96
65) 4,6-Dinitro-2-methylph...	15.534	198	70806	12.567	ng	99
66) n-Nitrosodiphenylamine	15.669	169	521970	11.383	ng	100
67) 4-Bromophenyl-phenylether	16.369	248	178356	10.801	ng	97
68) Hexachlorobenzene	16.481	284	221046	11.377	ng	97
69) Atrazine	16.645	200	166641	14.161	ng	98
70) Pentachlorophenol	16.839	266	103896	8.233	ng	97
71) Phenanthrene	17.233	178	974411	11.754	ng	99
72) Anthracene	17.333	178	938337	11.811	ng	99
73) Carbazole	17.610	167	855938	11.308	ng	99
74) Di-n-butylphthalate	18.198	149	950733	10.765	ng	99
75) Fluoranthene	19.322	202	1018835	10.865	ng	99
77) Benzidine	19.522	184	383905	21.813	ng	99
78) Pyrene	19.698	202	1087786	11.857	ng	100
80) Butylbenzylphthalate	20.657	149	360810	10.263	ng	98
81) Benzo(a)anthracene	21.621	228	1053987	11.638	ng	99
82) 3,3'-Dichlorobenzidine	21.545	252	297679	10.518	ng	97
83) Chrysene	21.692	228	1000296	11.454	ng	98
84) Bis(2-ethylhexyl)phtha...	21.574	149	533081	9.999	ng	99
85) Di-n-octyl phthalate	22.863	149	696503	8.174	ng	98
87) Indeno(1,2,3-cd)pyrene	28.850	276	850498	8.864	ng	94
88) Benzo(b)fluoranthene	23.945	252	921863	10.763	ng	98
89) Benzo(k)fluoranthene	24.015	252	939294	11.267	ng	99
90) Benzo(a)pyrene	24.857	252	822412	11.314	ng	98
91) Dibenzo(a,h)anthracene	28.945	278	870908	10.795	ng	100
92) Benzo(g,h,i)perylene	30.021	276	801500	9.790	ng	98

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

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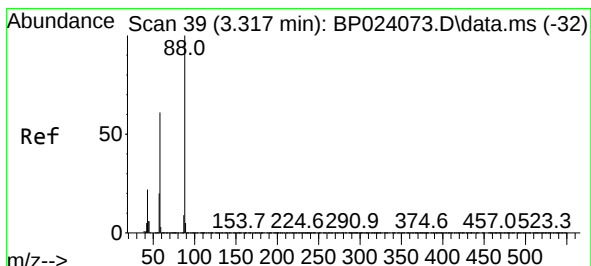
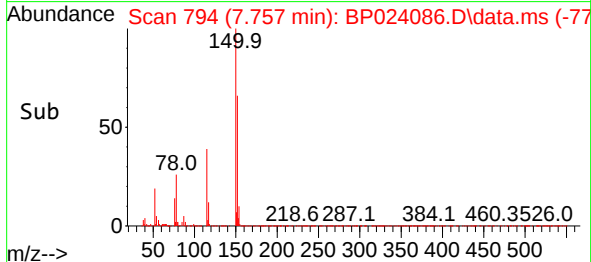
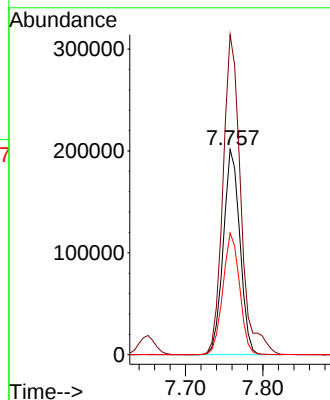
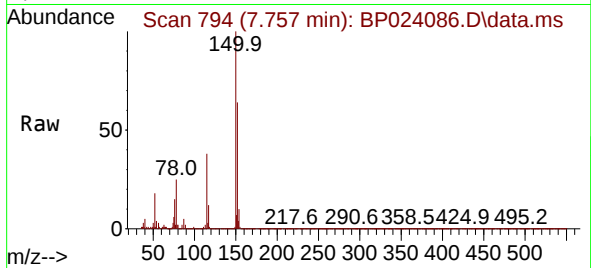




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BP024086.D
 Acq: 18 Feb 2025 16:36

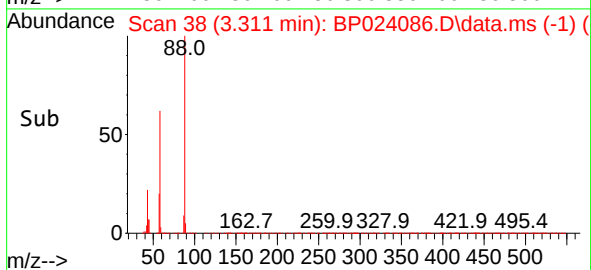
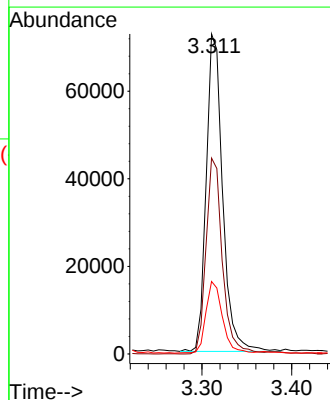
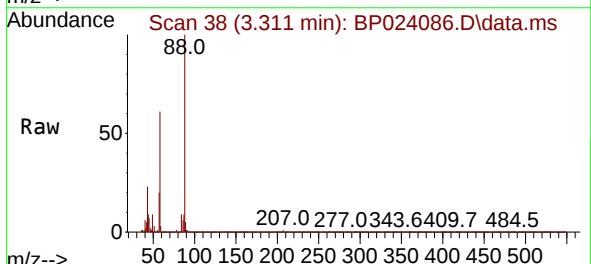
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

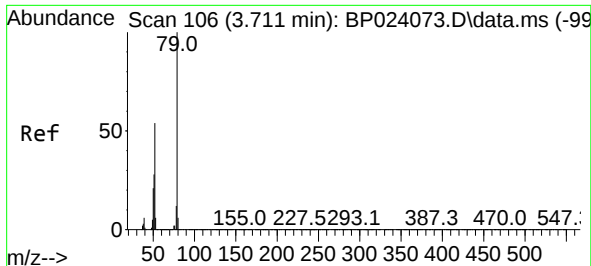
Tgt Ion:152 Resp: 301218
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.4 183.6
 115 59.3 45.0 67.6



#2
 1,4-Dioxane
 Concen: 12.176 ng
 RT: 3.311 min Scan# 38
 Delta R.T. -0.006 min
 Lab File: BP024086.D
 Acq: 18 Feb 2025 16:36

Tgt Ion: 88 Resp: 92208
 Ion Ratio Lower Upper
 88 100
 58 61.3 49.1 73.7
 43 22.6 18.0 27.0

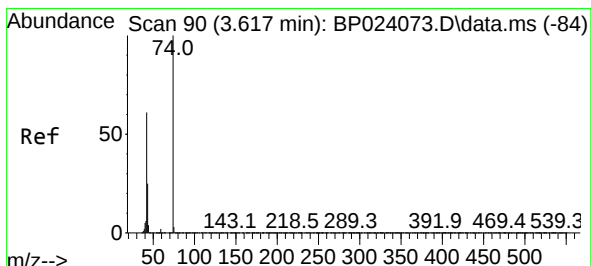
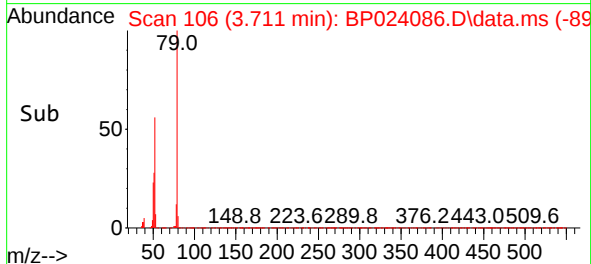
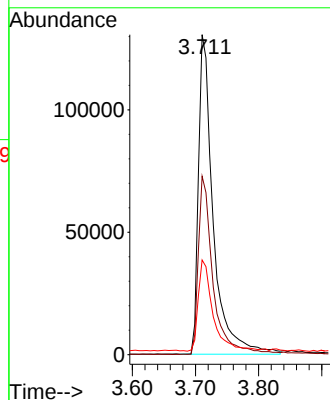
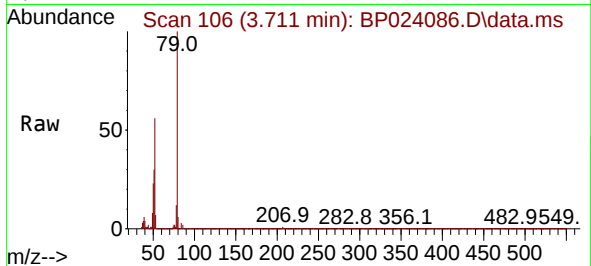




#3
Pyridine
Concen: 10.775 ng
RT: 3.711 min Scan# 106
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

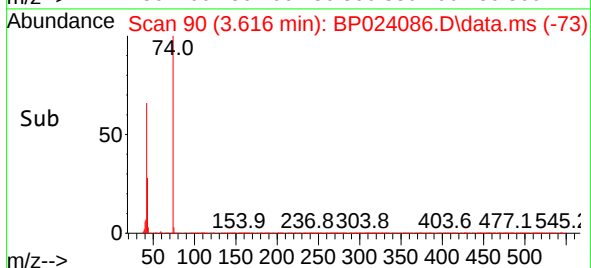
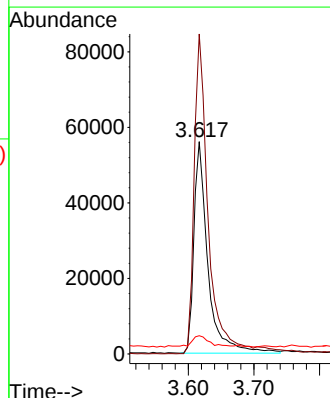
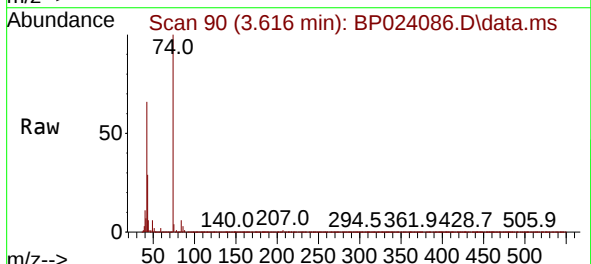
Instrument :
BNA_P
ClientSampleId :
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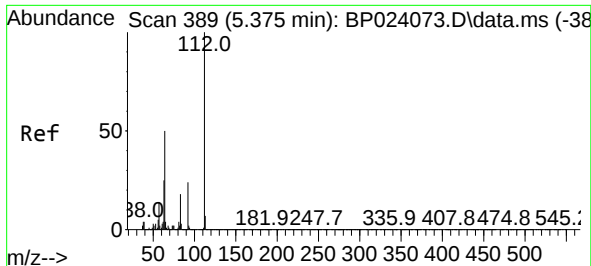
Tgt Ion: 79 Resp: 212149
Ion Ratio Lower Upper
79 100
52 55.7 43.5 65.3
51 29.6 22.2 33.4



#4
n-Nitrosodimethylamine
Concen: 11.893 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 42 Resp: 83060
Ion Ratio Lower Upper
42 100
74 150.7 132.0 198.0
44 8.6 5.3 7.9

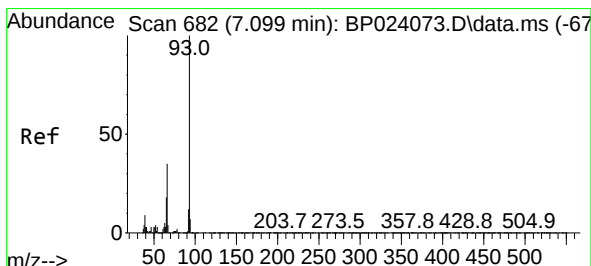
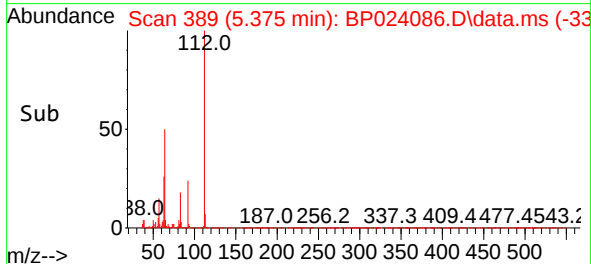
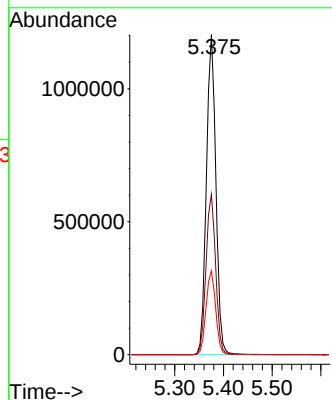
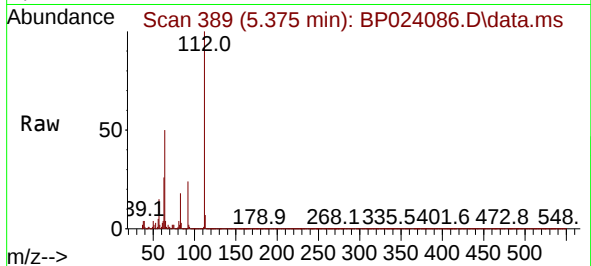




#5
2-Fluorophenol
Concen: 84.077 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

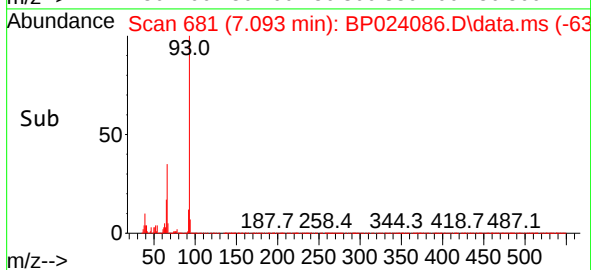
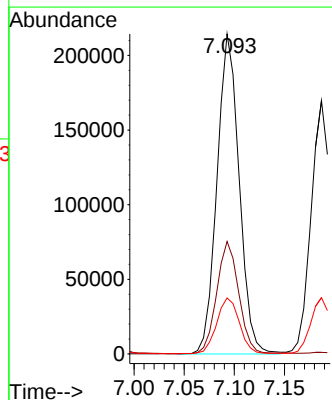
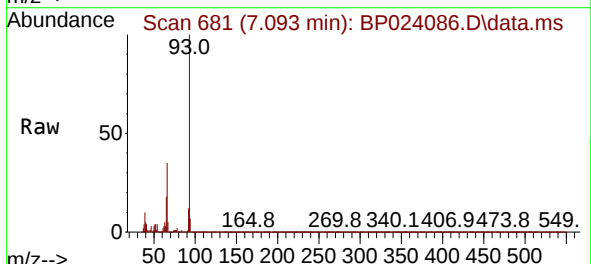
Instrument :
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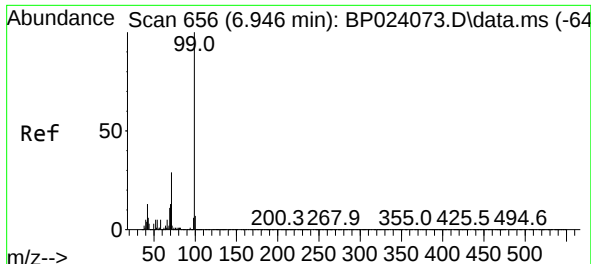
Tgt Ion:112 Resp: 1623062
Ion Ratio Lower Upper
112 100
64 50.1 39.6 59.4
63 26.2 20.3 30.5



#6
Aniline
Concen: 14.476 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 93 Resp: 328922
Ion Ratio Lower Upper
93 100
66 35.1 28.2 42.4
65 17.5 14.1 21.1





#7

Phenol-d6

Concen: 88.460 ng

RT: 6.940 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

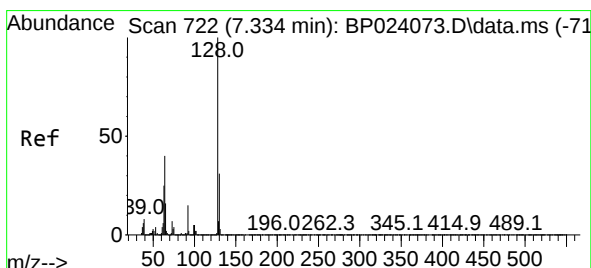
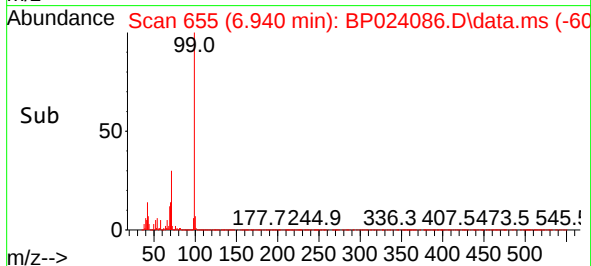
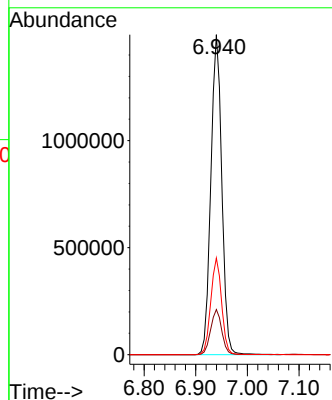
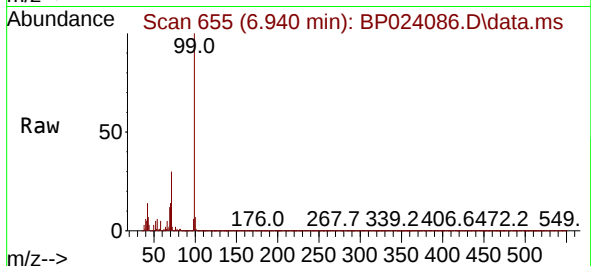
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 99 Resp: 2194810

Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.3	15.5
71	30.2	22.9	34.3



#8

2-Chlorophenol

Concen: 11.755 ng

RT: 7.334 min Scan# 722

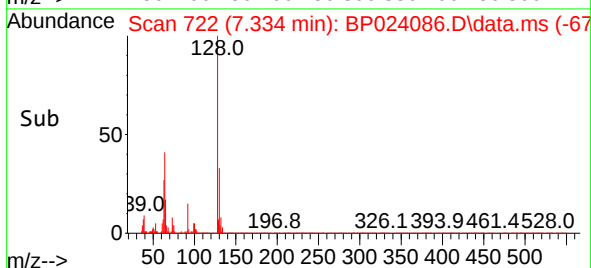
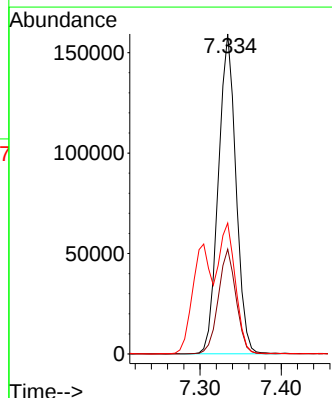
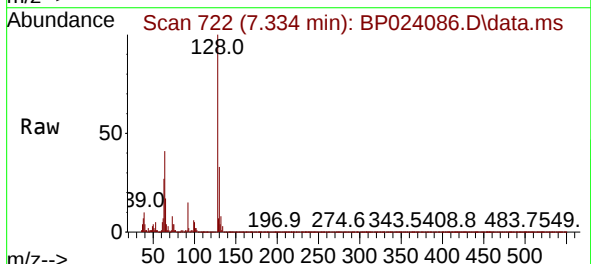
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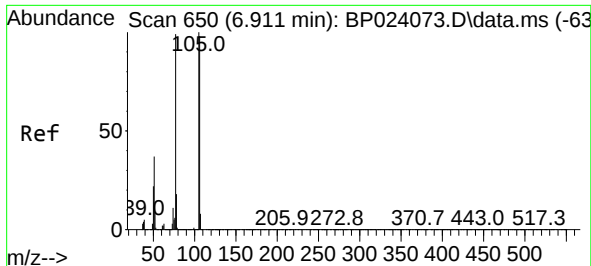
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Tgt Ion: 128 Resp: 240175

Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.5	51.5
64	40.9	19.8	59.8

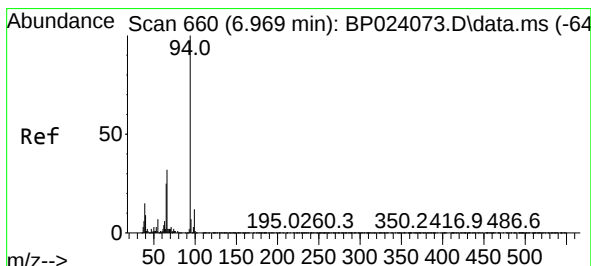
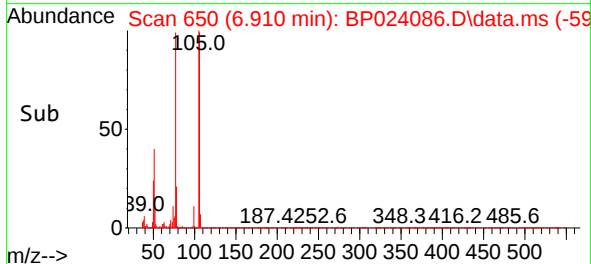
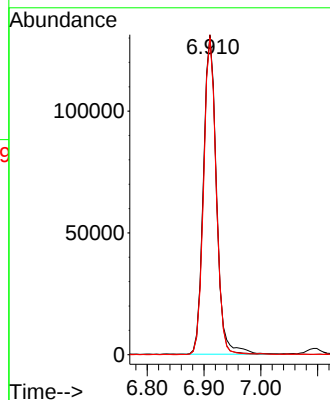
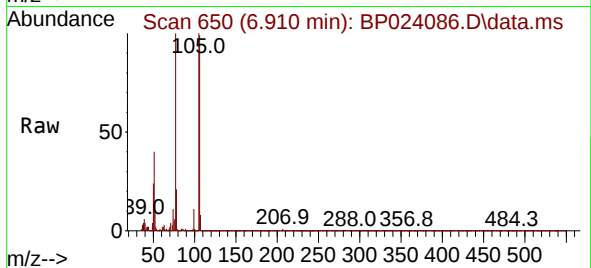




#9
Benzaldehyde
Concen: 18.422 ng
RT: 6.910 min Scan# 610
Delta R.T. -0.000 min
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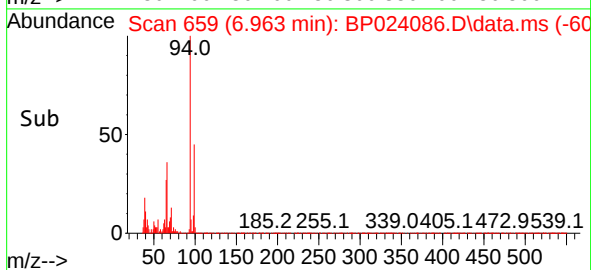
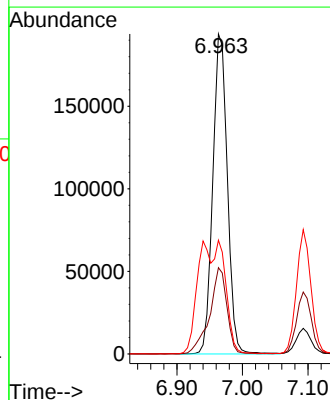
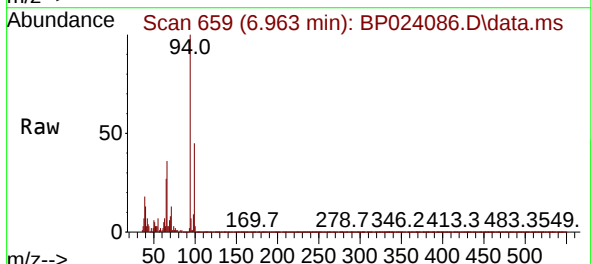
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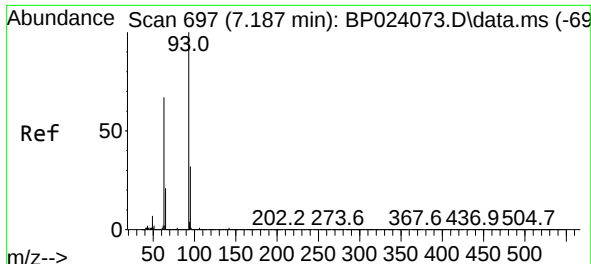
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Ion Ratio Lower Upper
77 100
105 100.4 81.4 121.4
106 99.4 79.0 119.0



#10
Phenol
Concen: 11.985 ng
RT: 6.963 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 94 Resp: 299033
Ion Ratio Lower Upper
94 100
65 26.9 5.0 45.0
66 35.6 11.6 51.6

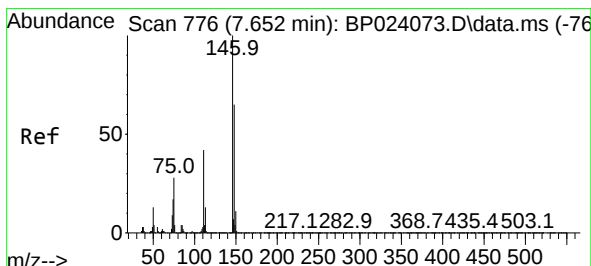
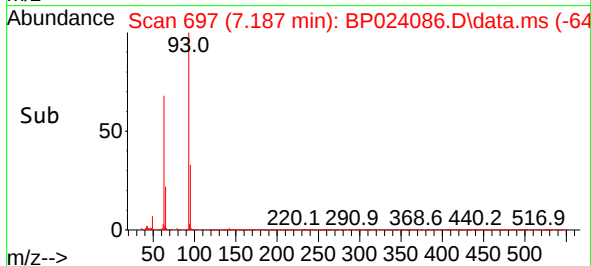
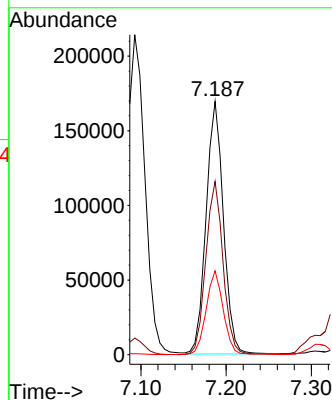
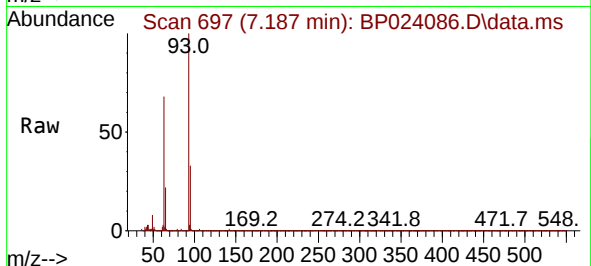




#11
bis(2-Chloroethyl)ether
Concen: 12.167 ng
RT: 7.187 min Scan# 697
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

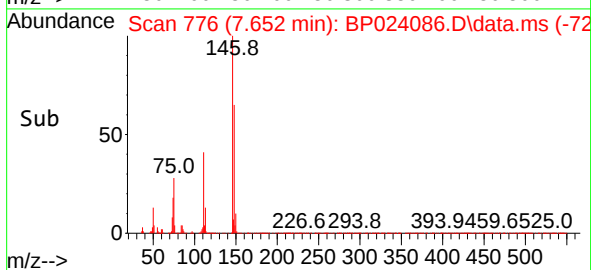
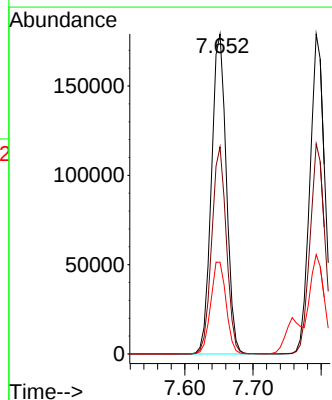
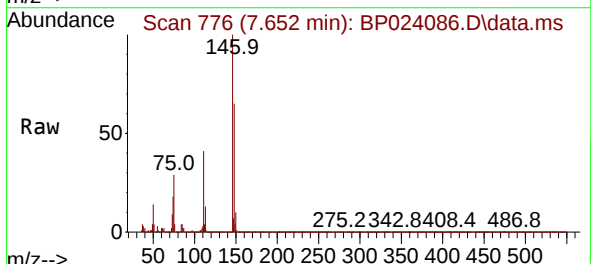
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

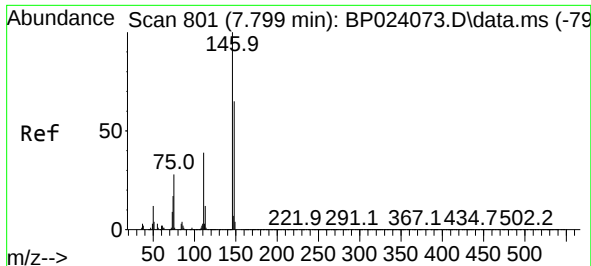
Tgt Ion: 93 Resp: 239102
Ion Ratio Lower Upper
93 100
63 68.4 46.5 86.5
95 33.1 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 12.112 ng
RT: 7.652 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 146 Resp: 271883
Ion Ratio Lower Upper
146 100
148 64.7 51.8 77.8
75 28.7 22.6 33.8

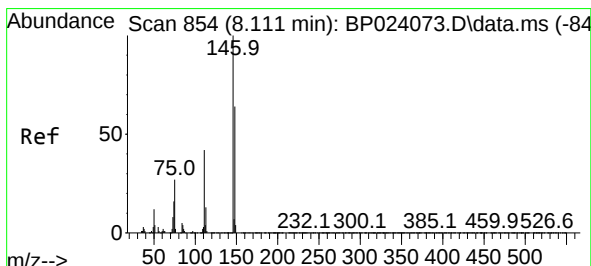
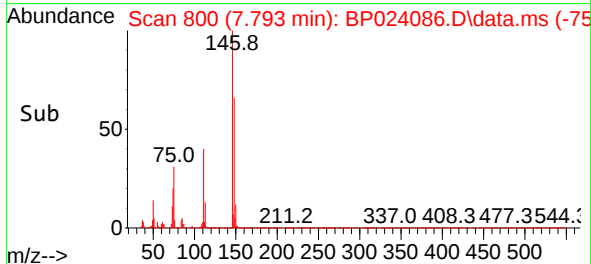
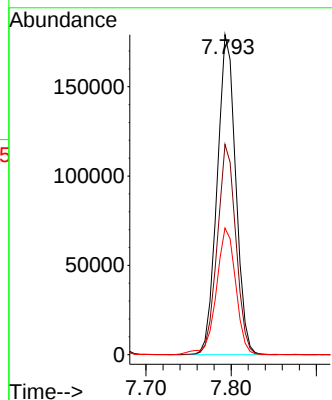
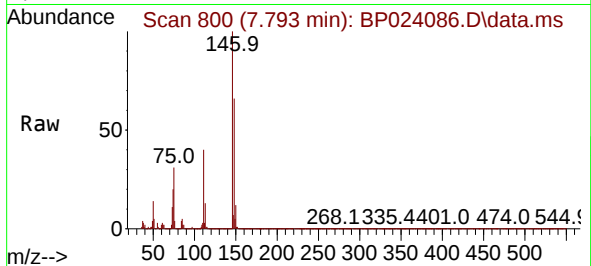




#13
1,4-Dichlorobenzene
Concen: 11.942 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

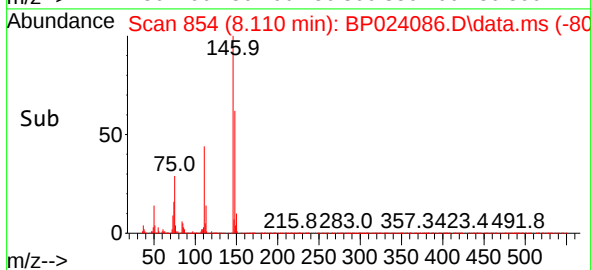
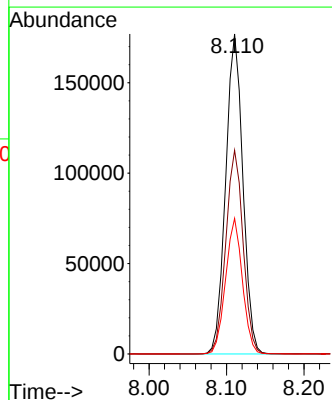
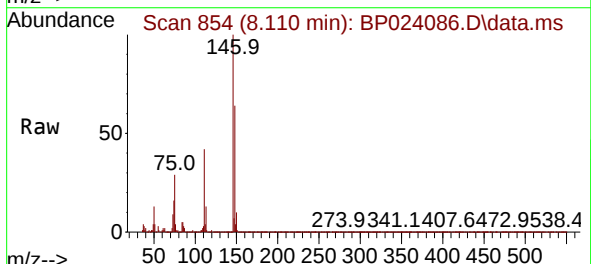
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

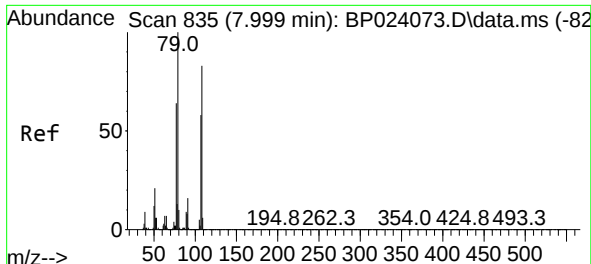
Tgt Ion:146 Resp: 271089
Ion Ratio Lower Upper
146 100
148 65.7 51.6 77.4
111 39.6 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 12.541 ng
RT: 8.110 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:146 Resp: 273213
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
111 42.4 33.4 50.0

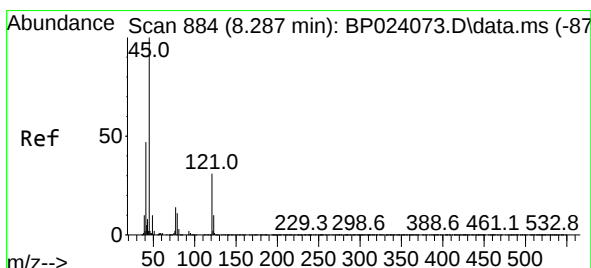
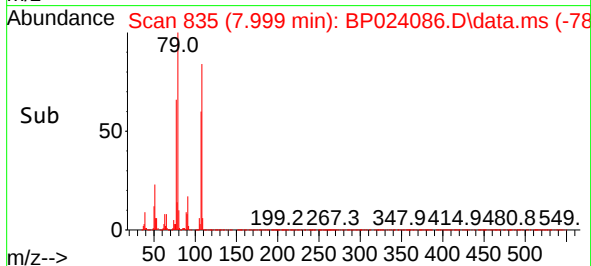
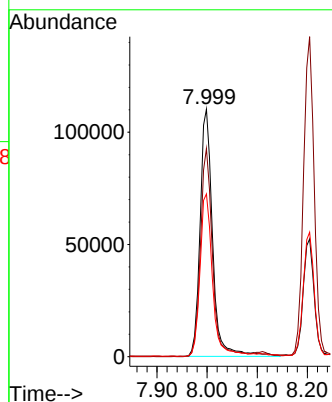
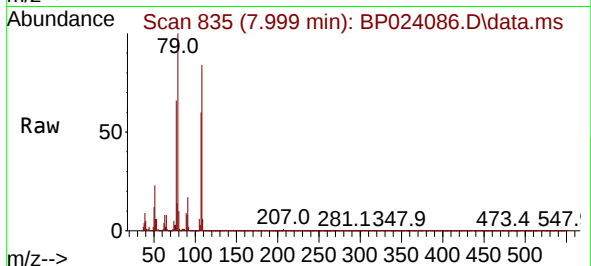




#15
Benzyl Alcohol
Concen: 12.612 ng
RT: 7.999 min Scan# 815
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

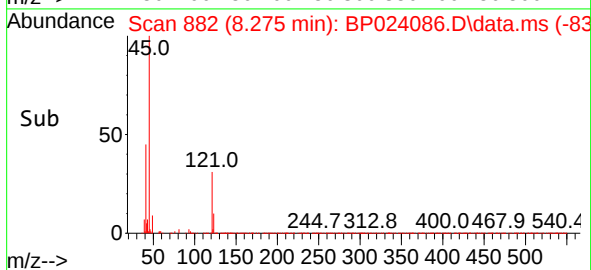
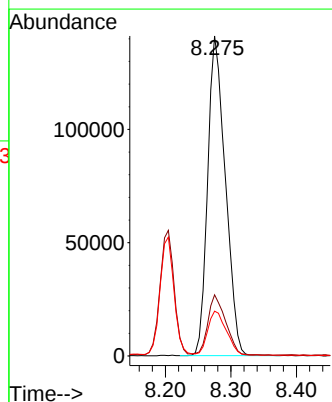
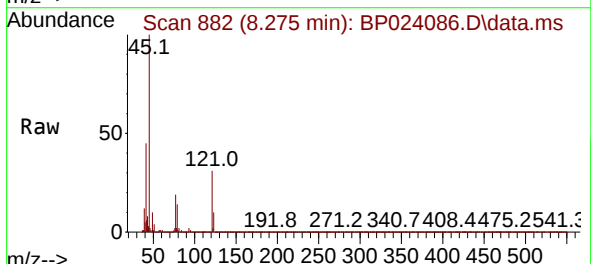
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

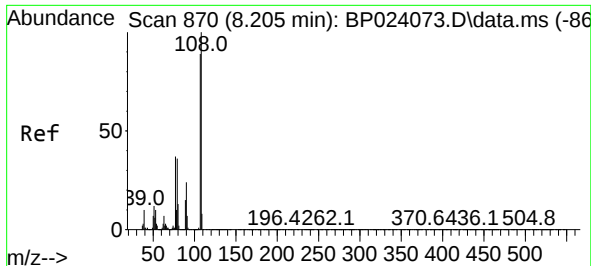
Tgt Ion: 79 Resp: 191537
Ion Ratio Lower Upper
79 100
108 84.1 66.4 99.6
77 65.8 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.868 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 45 Resp: 264555
Ion Ratio Lower Upper
45 100
77 19.1 0.0 38.8
79 14.0 0.0 35.4

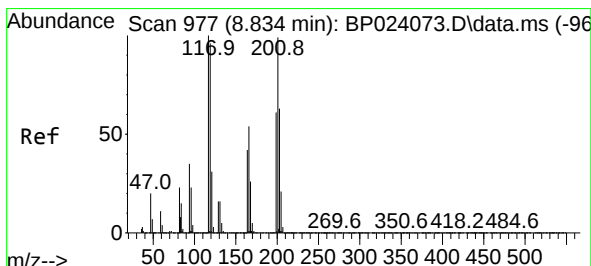
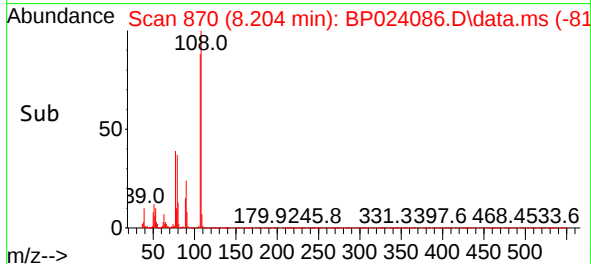
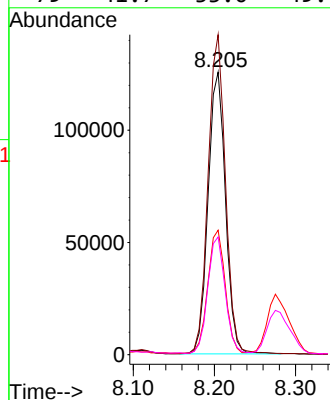
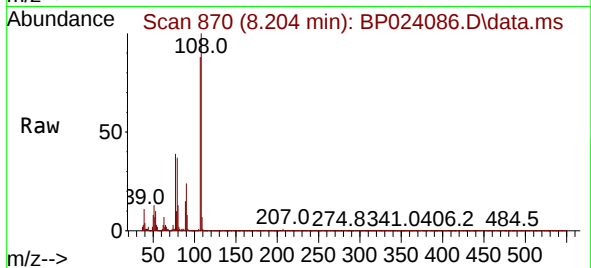




#17
2-Methylphenol
Concen: 12.290 ng
RT: 8.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

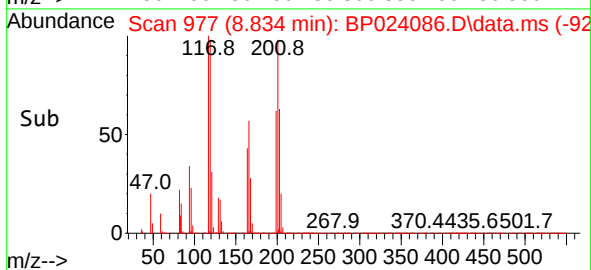
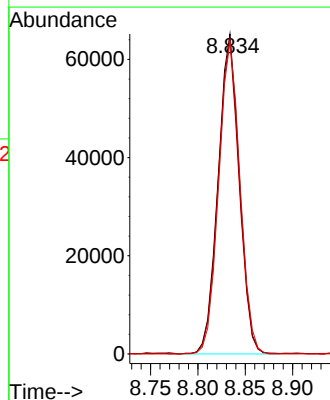
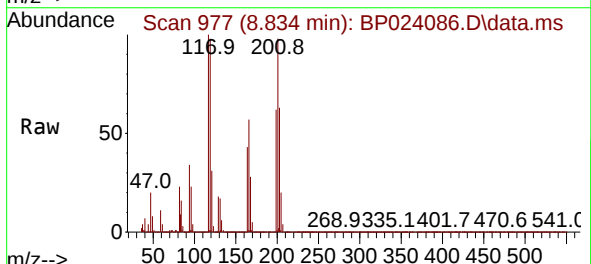
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

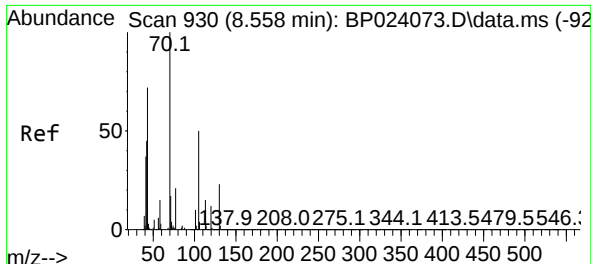
Tgt Ion:	107	Resp:	186860
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.0	135.0
77	44.1	33.8	50.6
79	41.7	33.0	49.4



#18
Hexachloroethane
Concen: 12.484 ng
RT: 8.834 min Scan# 977
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:	117	Resp:	102058
Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.9	115.3
201	97.7	79.4	119.2

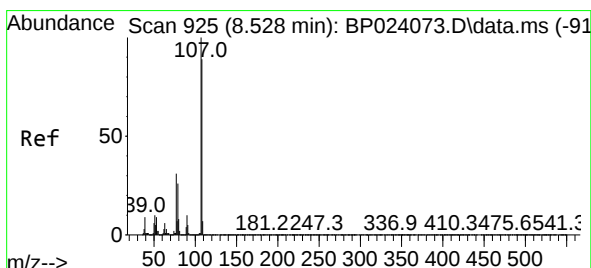
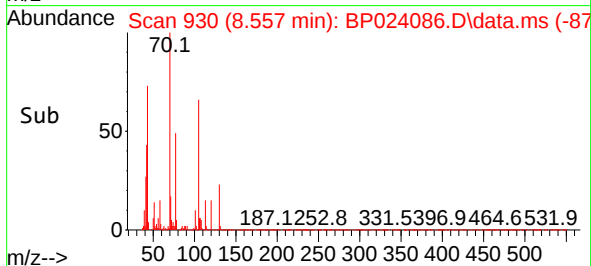
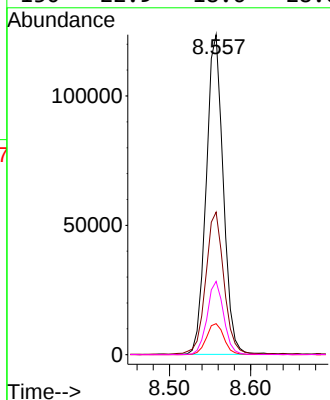
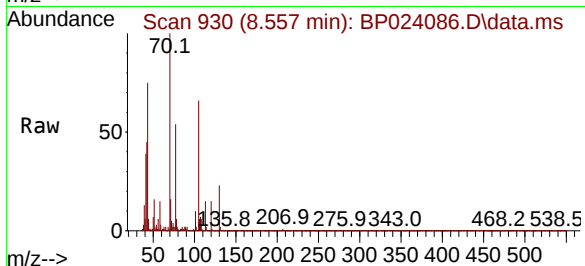




#19
n-Nitroso-di-n-propylamine
Concen: 13.492 ng
RT: 8.557 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

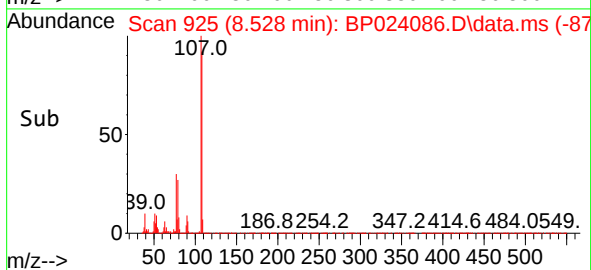
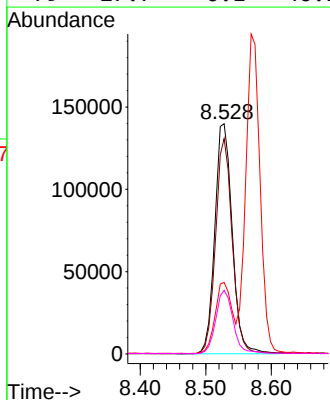
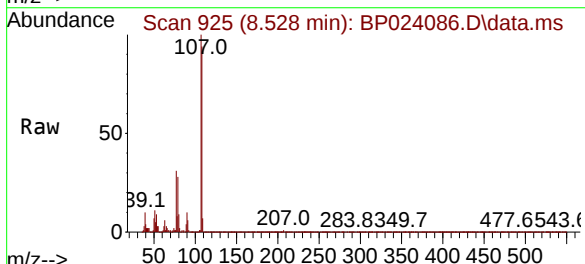
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

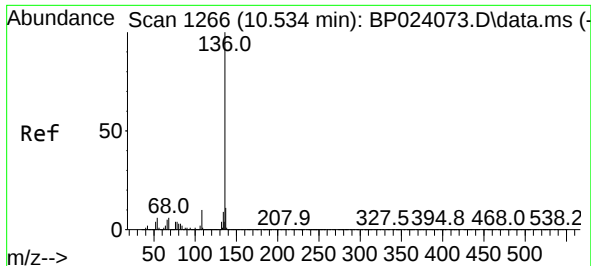
Tgt Ion:	70	Resp:	179986
Ion	Ratio	Lower	Upper
70	100		
42	44.6	36.6	54.8
101	9.7	8.2	12.2
130	22.9	18.6	28.0



#20
3+4-Methylphenols
Concen: 12.385 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:	107	Resp:	256172
Ion	Ratio	Lower	Upper
107	100		
108	93.5	68.5	108.5
77	31.1	10.7	50.7
79	27.7	6.1	46.1



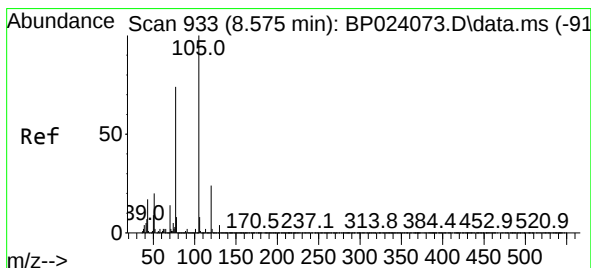
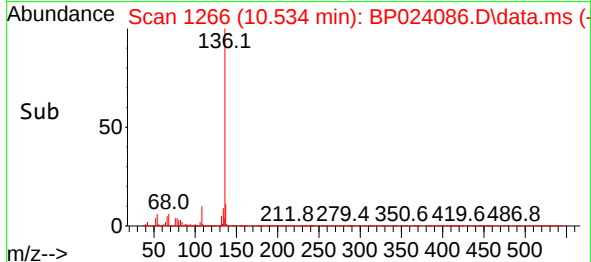
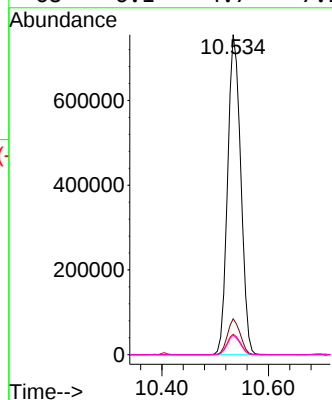
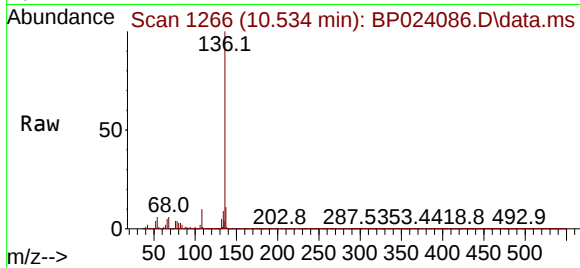


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

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

Tgt Ion:136 Resp: 1292586

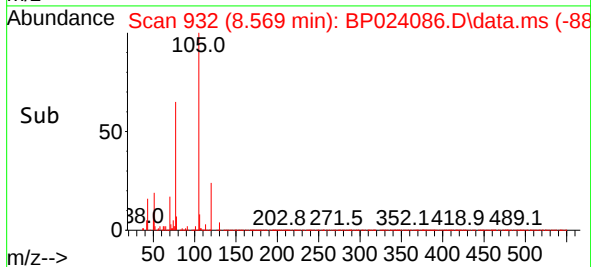
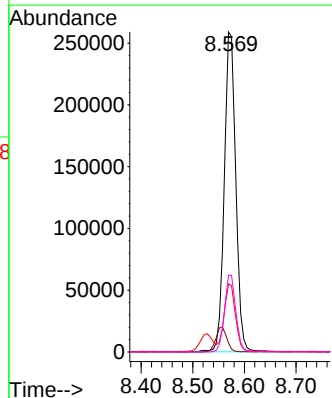
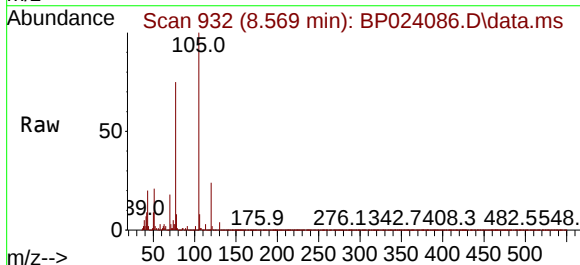
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.4	4.9	7.3
68	6.1	4.7	7.1

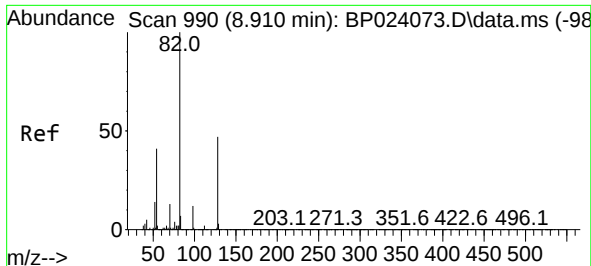


#22
Acetophenone
Concen: 12.037 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:105 Resp: 399836

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.9	2.9
51	21.3	16.3	24.5
120	23.9	19.0	28.4

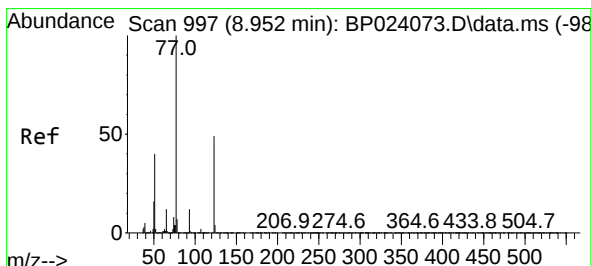
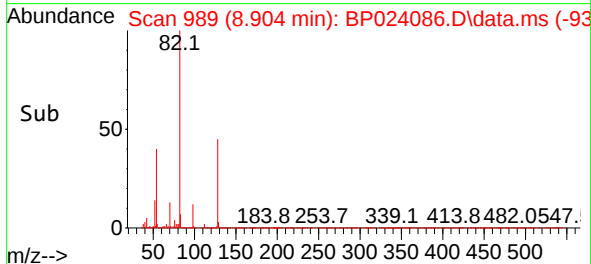
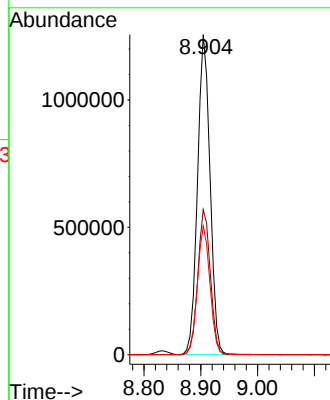
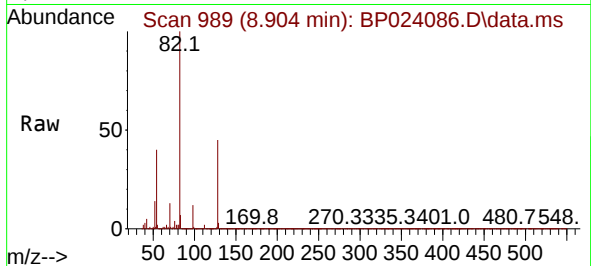




#23
Nitrobenzene-d5
Concen: 83.228 ng
RT: 8.904 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

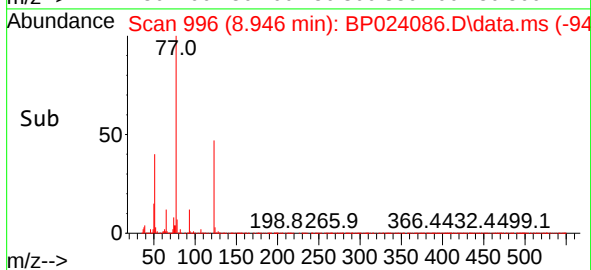
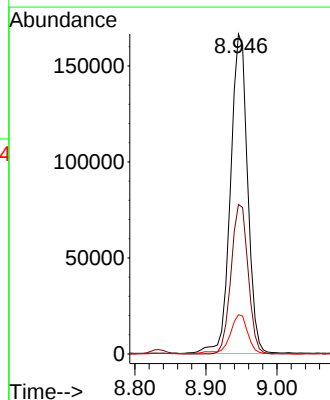
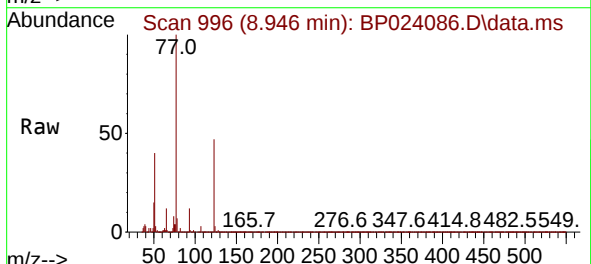
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

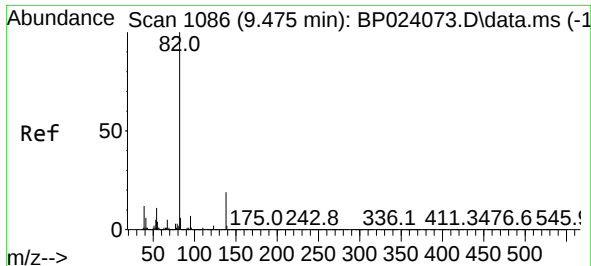
Tgt Ion: 82 Resp: 1928328
Ion Ratio Lower Upper
82 100
128 45.4 37.4 56.2
54 40.2 32.4 48.6



#24
Nitrobenzene
Concen: 12.210 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 77 Resp: 278413
Ion Ratio Lower Upper
77 100
123 46.8 39.4 59.2
65 12.3 9.9 14.9

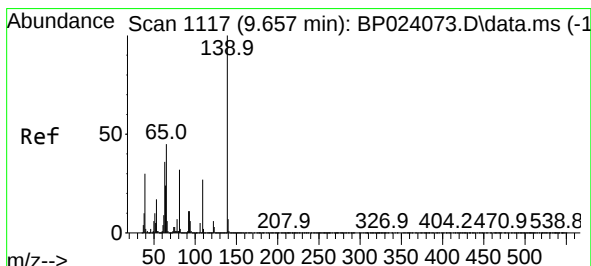
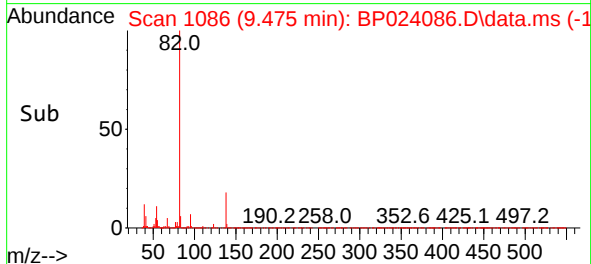
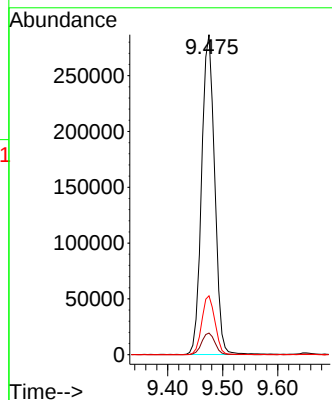
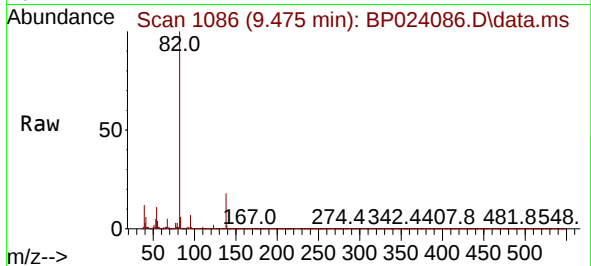




#25
Isophorone
Concen: 12.457 ng
RT: 9.475 min Scan# 1108
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

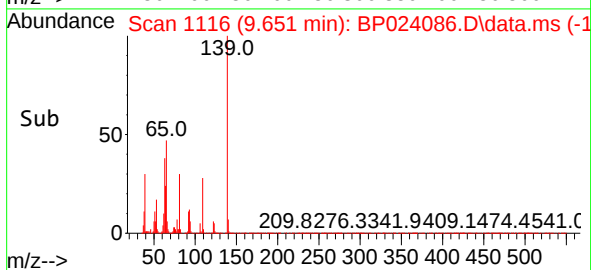
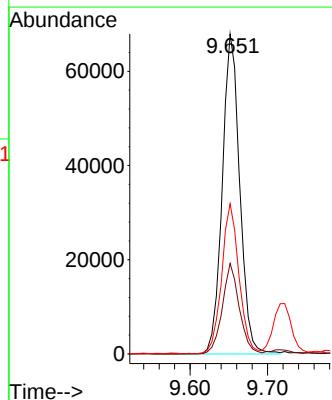
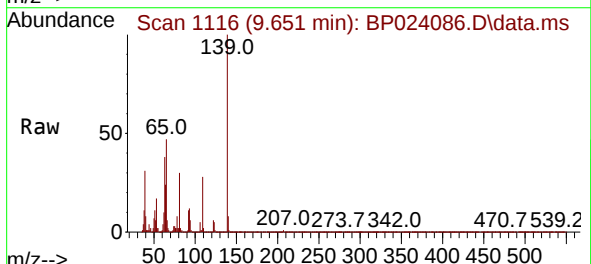
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

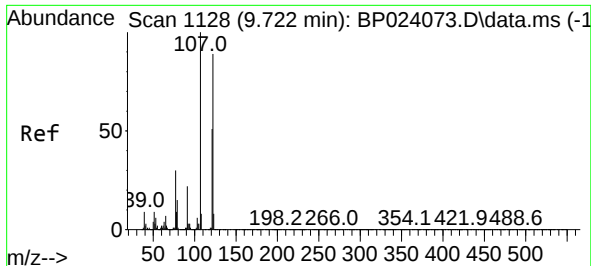
Tgt Ion: 82 Resp: 471985
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 18.4 15.3 22.9



#26
2-Nitrophenol
Concen: 10.139 ng
RT: 9.651 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 139 Resp: 106516
Ion Ratio Lower Upper
139 100
109 28.3 21.7 32.5
65 47.0 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 12.963 ng

RT: 9.722 min Scan# 1128

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

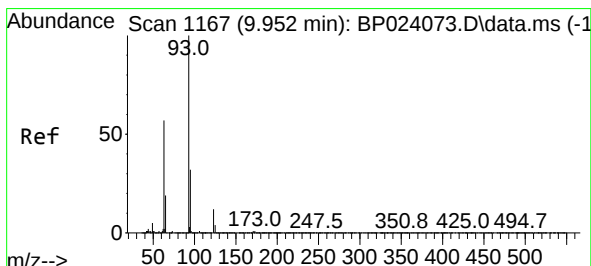
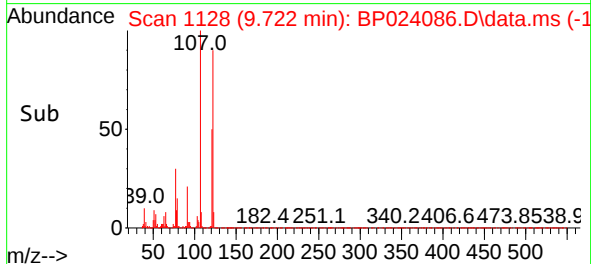
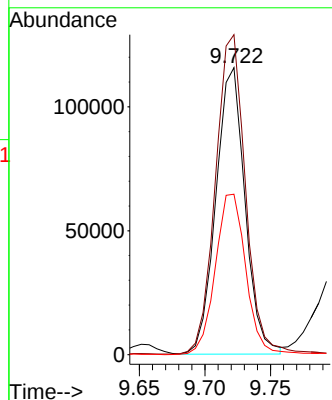
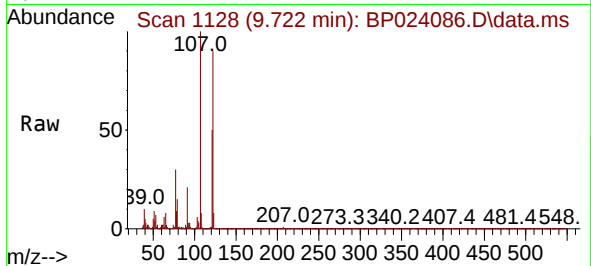
Tgt Ion:122 Resp: 178753

Ion Ratio Lower Upper

122 100

107 111.5 89.8 134.8

121 55.9 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 11.994 ng

RT: 9.946 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

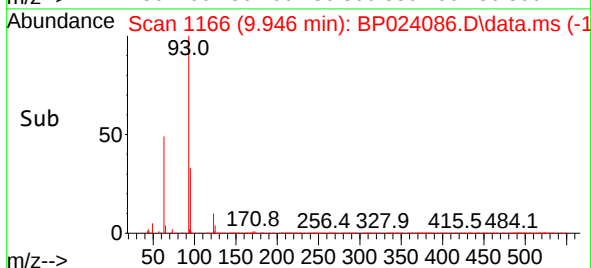
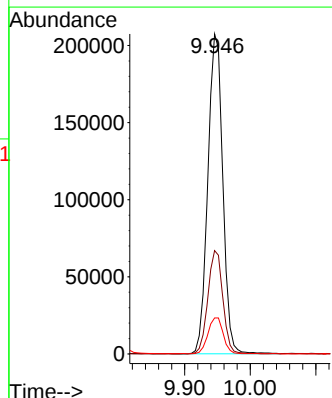
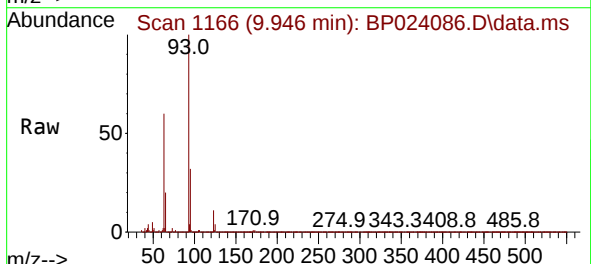
Tgt Ion: 93 Resp: 329201

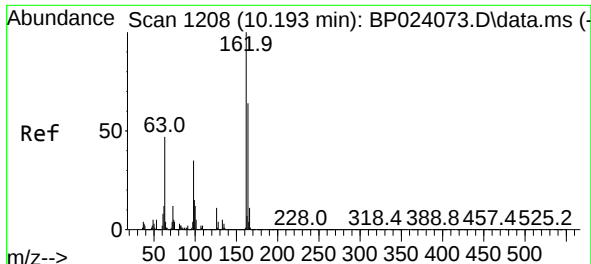
Ion Ratio Lower Upper

93 100

95 32.3 25.9 38.9

123 11.3 9.7 14.5

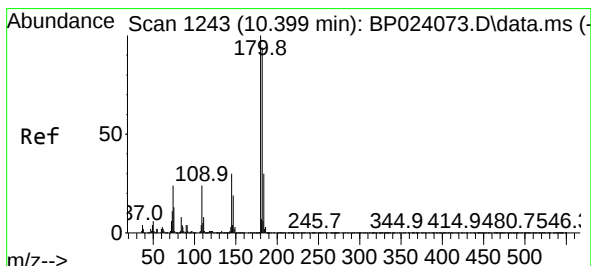
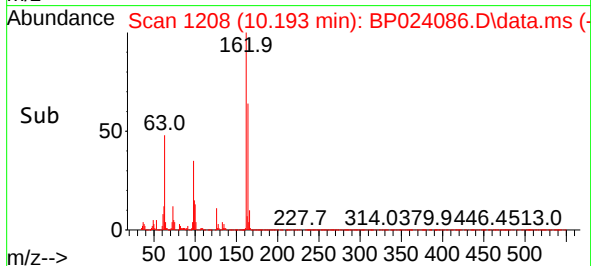
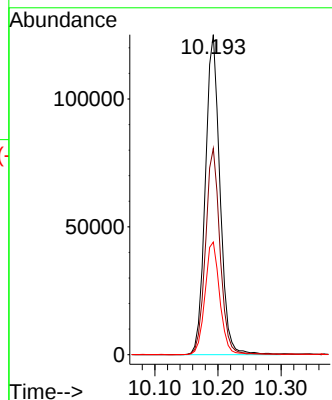
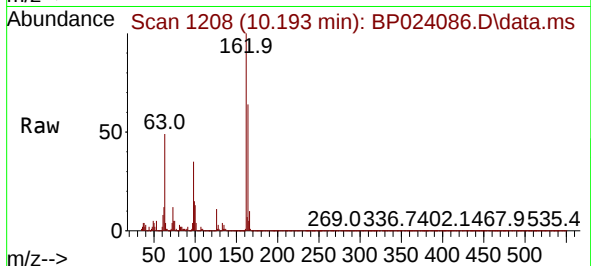




#29
2,4-Dichlorophenol
Concen: 10.700 ng
RT: 10.193 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

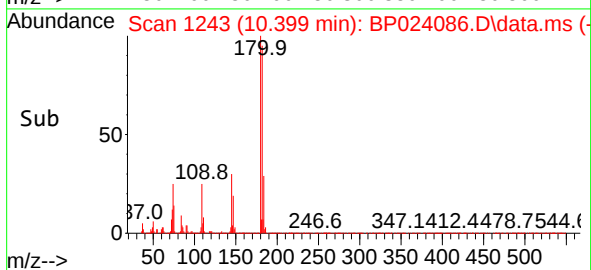
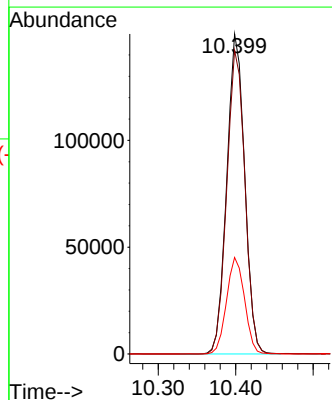
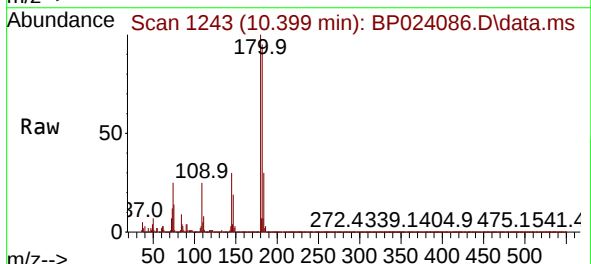
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

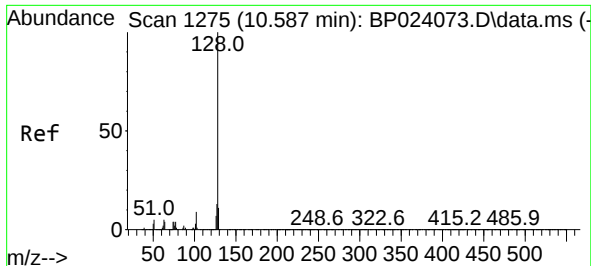
Tgt Ion:162 Resp: 201369
Ion Ratio Lower Upper
162 100
164 64.4 44.5 84.5
98 35.2 15.3 55.3



#30
1,2,4-Trichlorobenzene
Concen: 11.179 ng
RT: 10.399 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:180 Resp: 241031
Ion Ratio Lower Upper
180 100
182 94.9 75.4 113.2
145 30.1 24.0 36.0

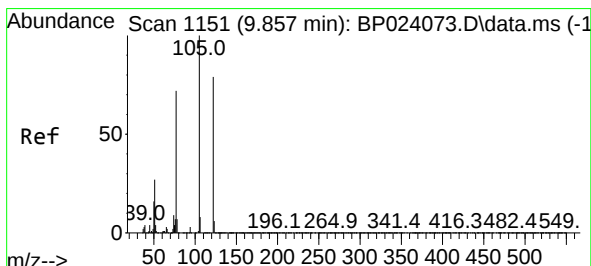
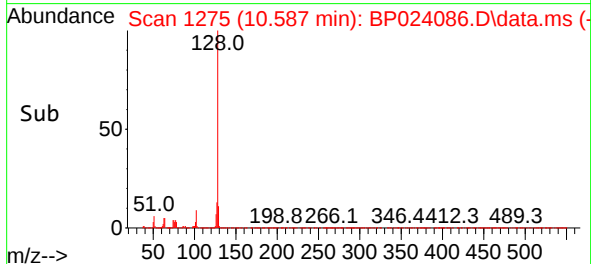
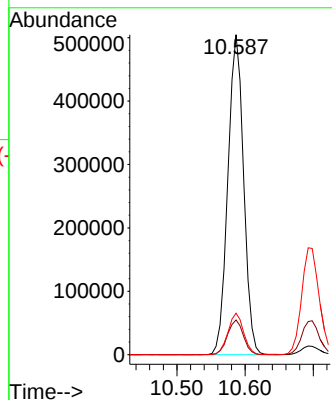
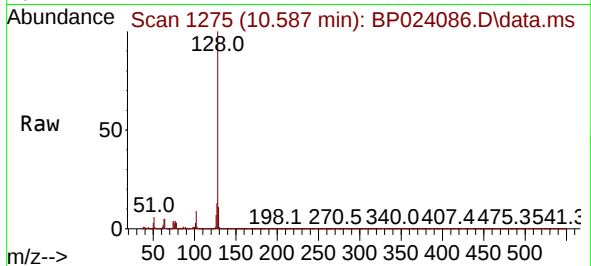




#31
Naphthalene
Concen: 11.662 ng
RT: 10.587 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

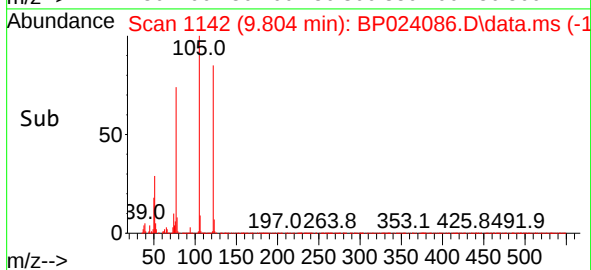
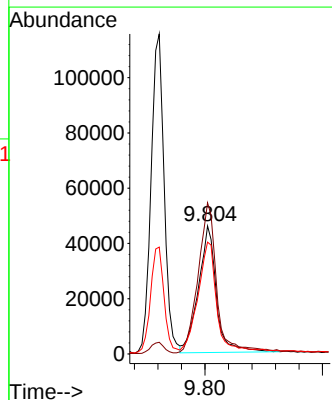
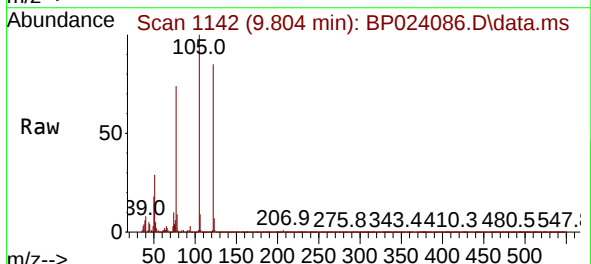
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

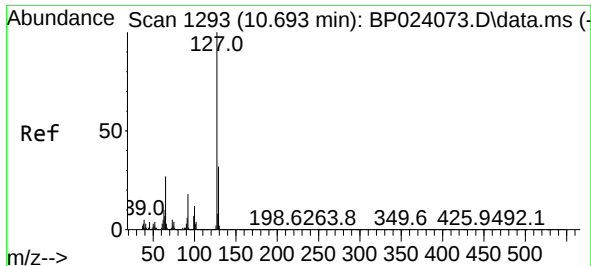
Tgt Ion:128 Resp: 810546
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.0 10.3 15.5



#32
Benzoic acid
Concen: 13.176 ng
RT: 9.804 min Scan# 1142
Delta R.T. -0.053 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:122 Resp: 97512
Ion Ratio Lower Upper
122 100
105 118.1 103.7 143.7
77 87.3 69.9 109.9

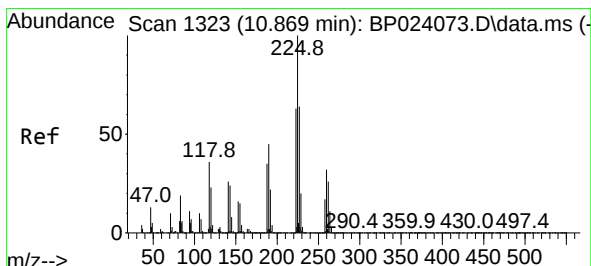
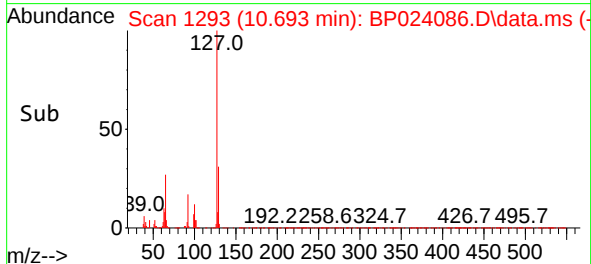
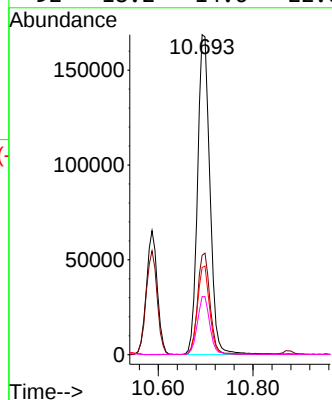
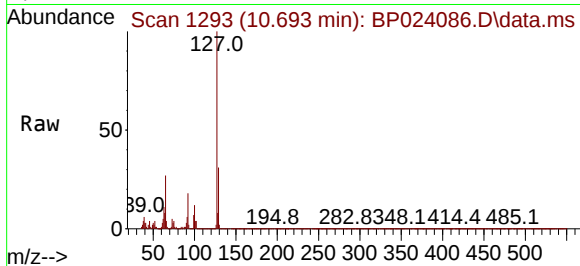




#33
4-Chloroaniline
Concen: 12.501 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

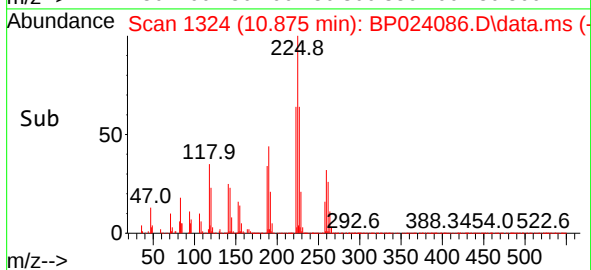
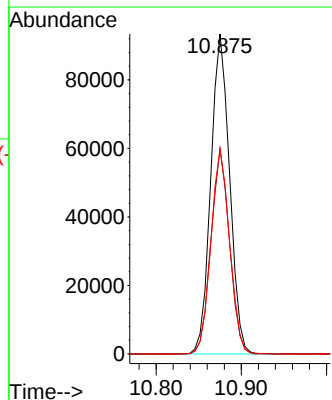
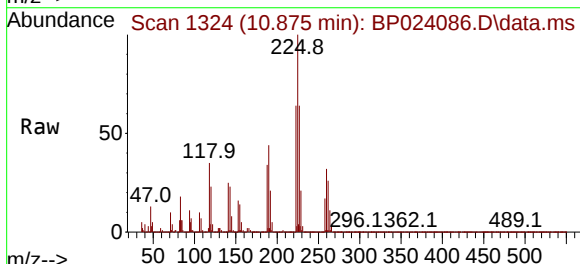
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

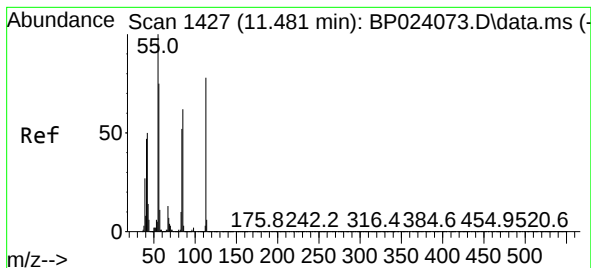
Tgt Ion:	127	Resp:	306080
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.4	38.0
65	27.3	21.3	31.9
92	18.2	14.6	22.0



#34
Hexachlorobutadiene
Concen: 11.490 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:	225	Resp:	143490
Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.5	75.7
227	64.0	51.3	76.9





#35

Caprolactam

Concen: 14.015 ng

RT: 11.469 min Scan# 1425

Delta R.T. -0.012 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

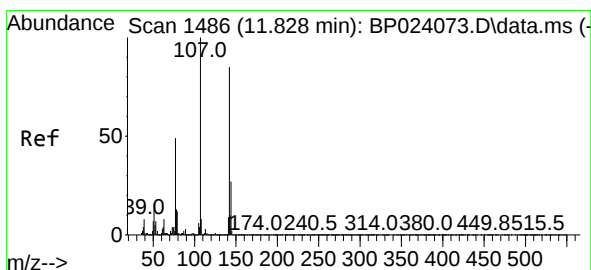
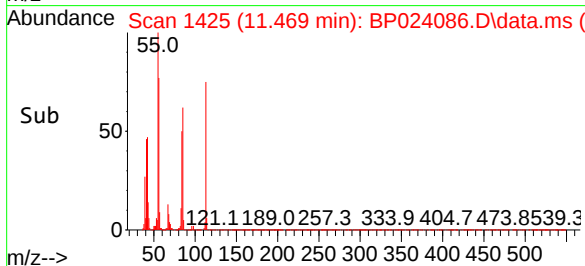
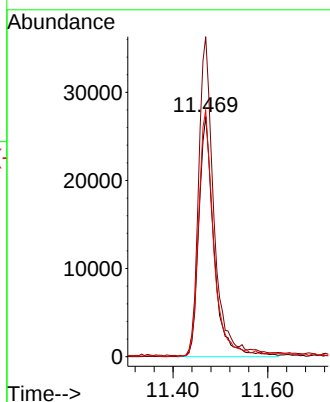
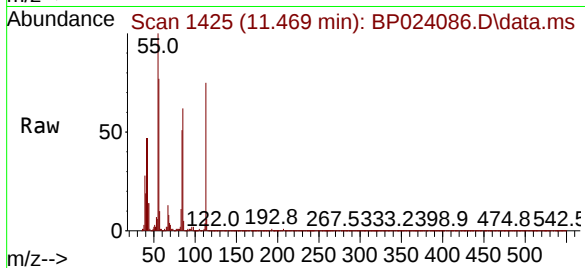
Tgt Ion:113 Resp: 60536

Ion Ratio Lower Upper

113 100

55 133.3 108.8 148.8

56 102.6 76.5 116.5



#36

4-Chloro-3-methylphenol

Concen: 10.710 ng

RT: 11.828 min Scan# 1486

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

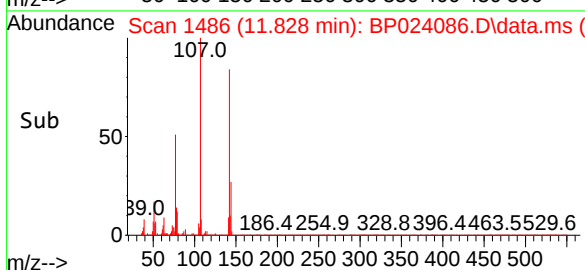
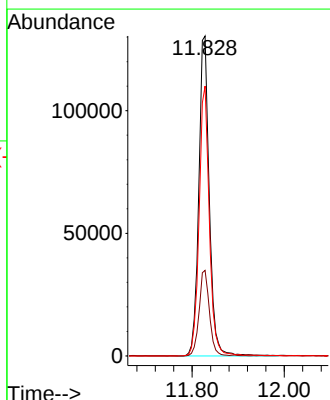
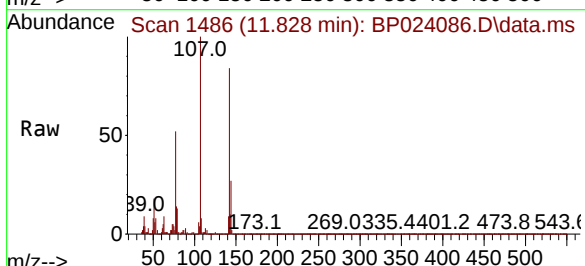
Tgt Ion:107 Resp: 207192

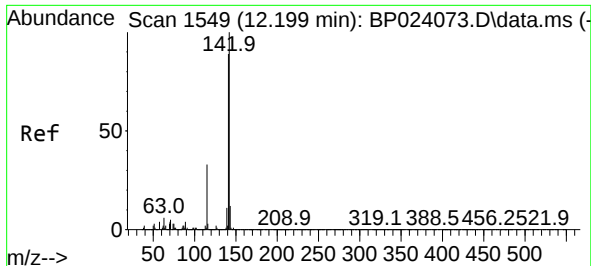
Ion Ratio Lower Upper

107 100

144 26.8 21.8 32.8

142 84.4 67.8 101.8

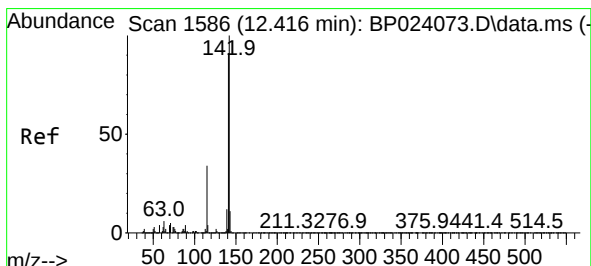
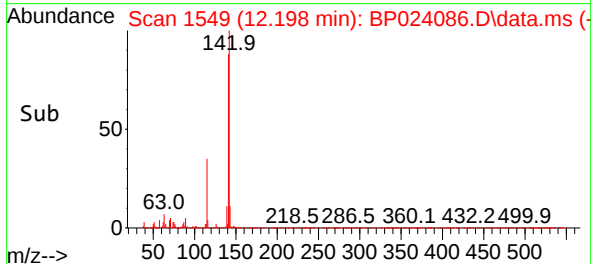
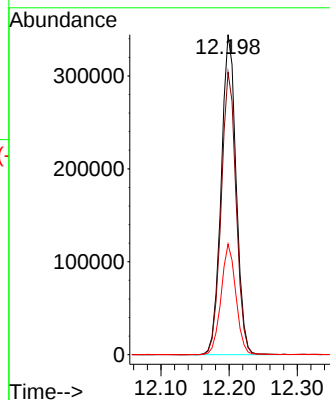
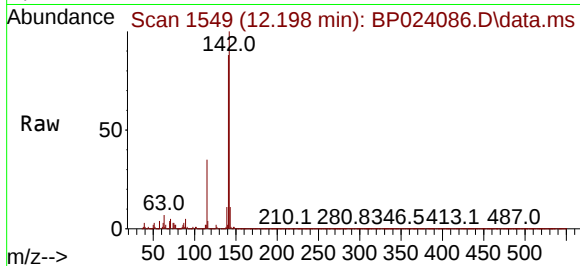




#37
2-Methylnaphthalene
Concen: 11.385 ng
RT: 12.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

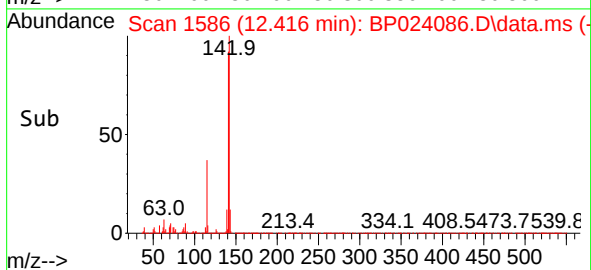
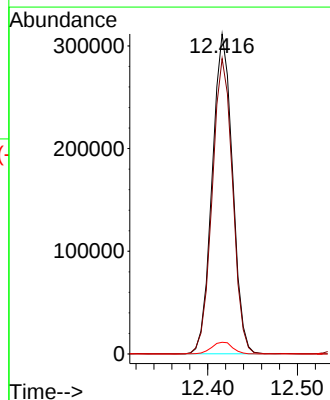
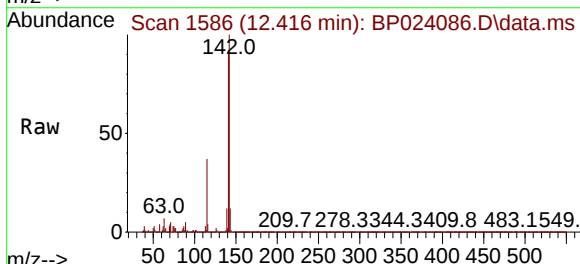
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

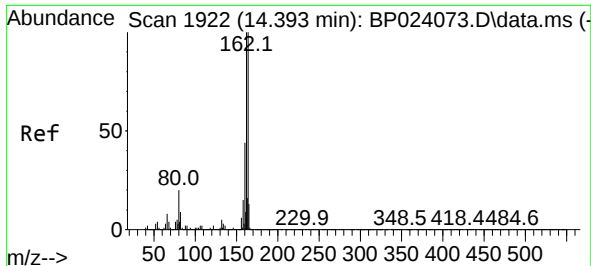
Tgt Ion:	142	Resp:	525947
Ion Ratio	Lower	Upper	
142	100		
141	88.2	71.2	106.8
115	34.6	26.5	39.7



#38
1-Methylnaphthalene
Concen: 10.904 ng
RT: 12.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:	142	Resp:	490027
Ion Ratio	Lower	Upper	
142	100		
141	92.3	73.0	109.6
116	3.6	2.8	4.2

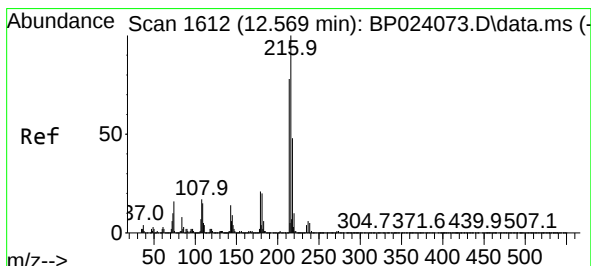
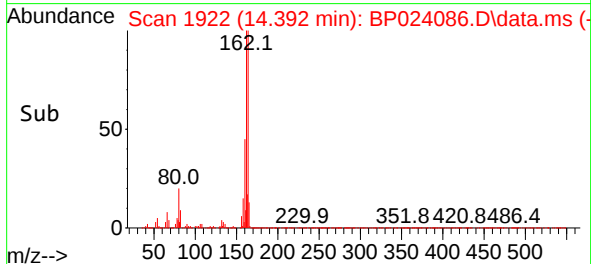
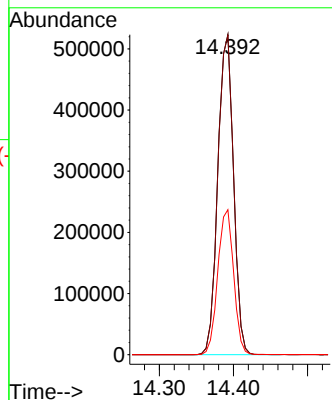
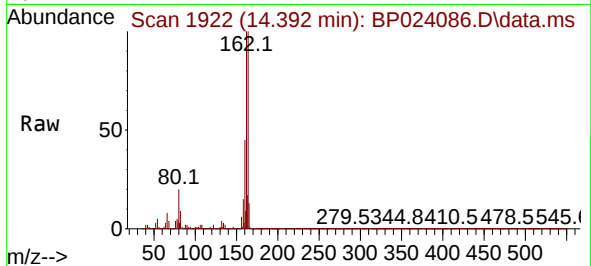




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

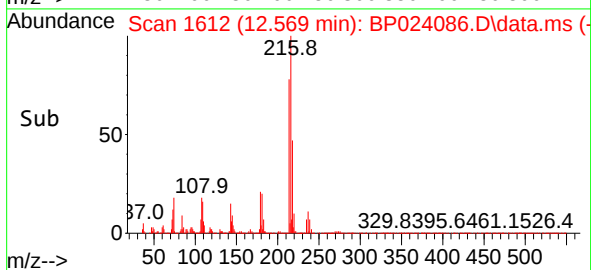
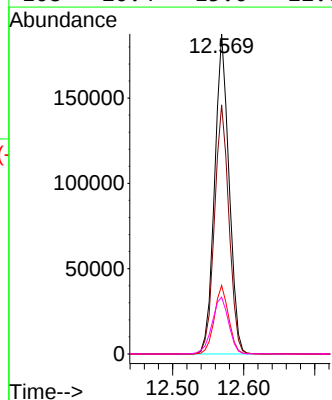
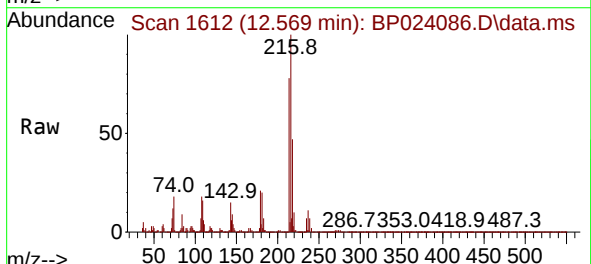
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

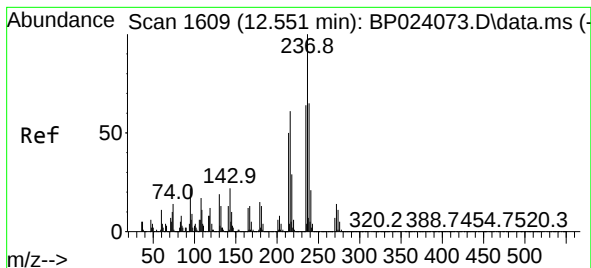
Tgt Ion:164 Resp: 769058
Ion Ratio Lower Upper
164 100
162 99.9 80.1 120.1
160 45.3 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.181 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:216 Resp: 264214
Ion Ratio Lower Upper
216 100
214 78.0 62.7 94.1
179 21.2 16.6 25.0
108 20.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 14.366 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

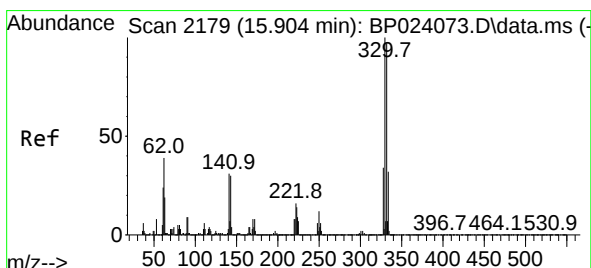
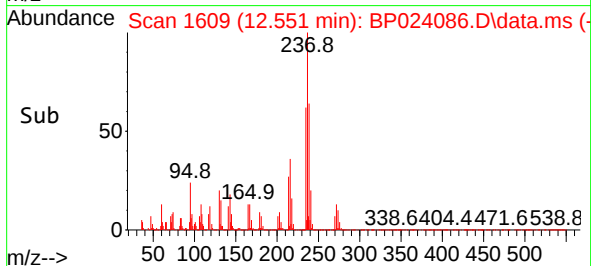
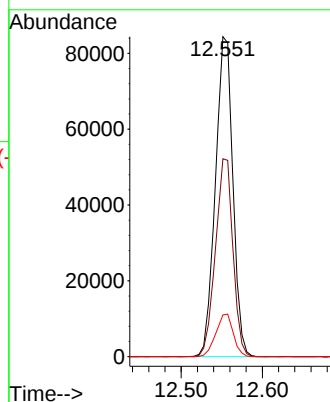
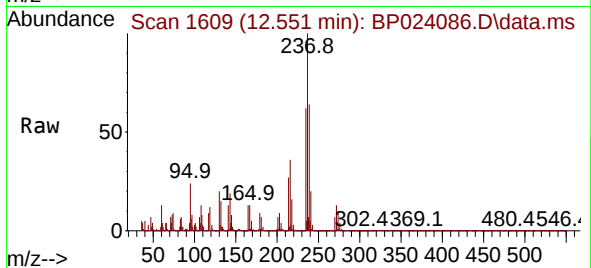
Tgt Ion:237 Resp: 126318

Ion Ratio Lower Upper

237 100

235 61.8 43.5 83.5

272 13.0 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 86.671 ng

RT: 15.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

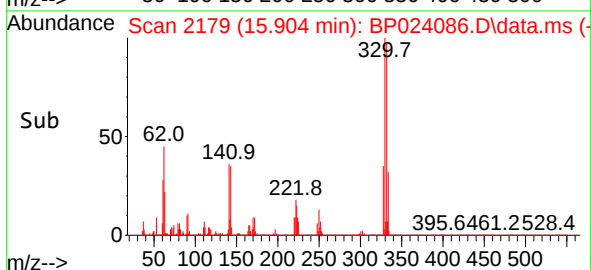
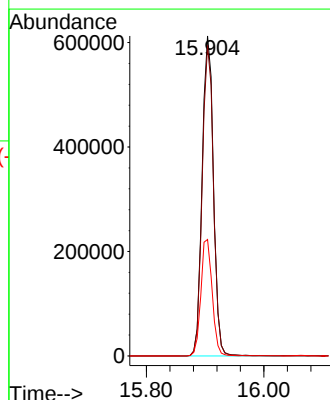
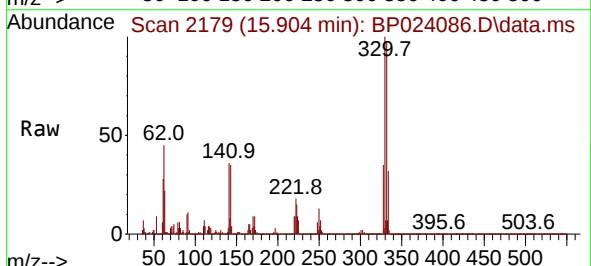
Tgt Ion:330 Resp: 816446

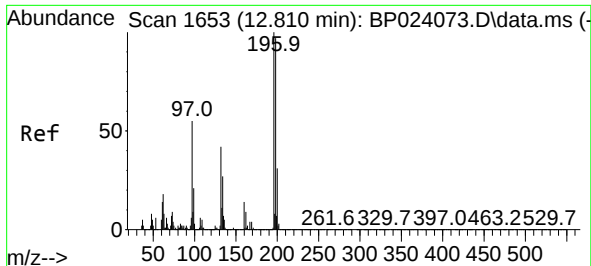
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 36.6 28.3 42.5

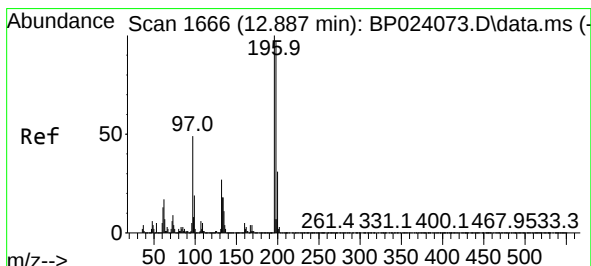
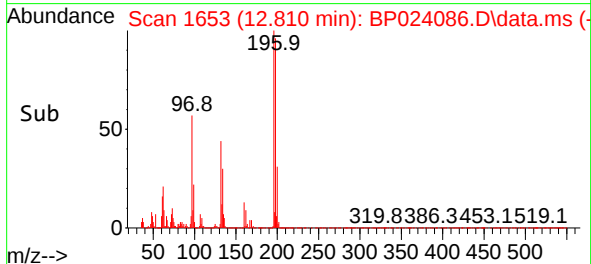
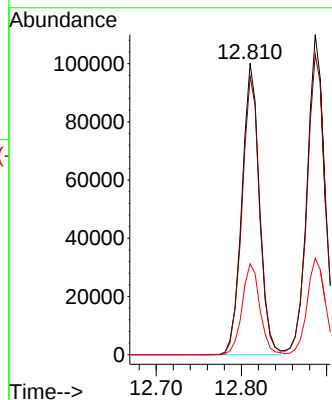
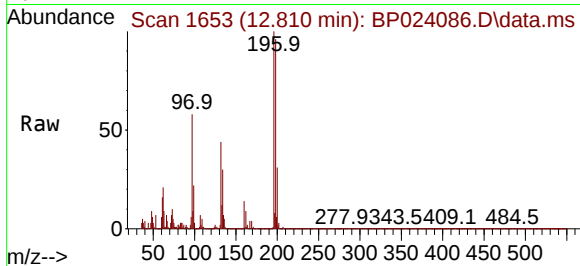




#43
2,4,6-Trichlorophenol
Concen: 9.898 ng
RT: 12.810 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

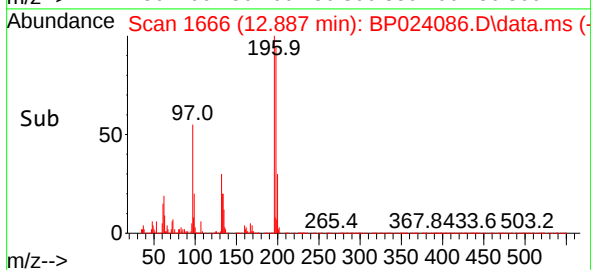
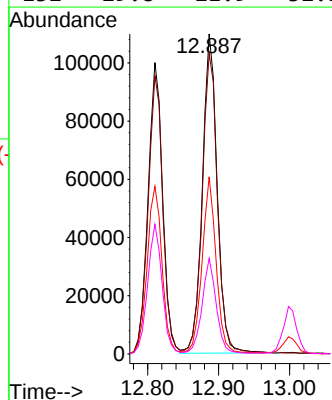
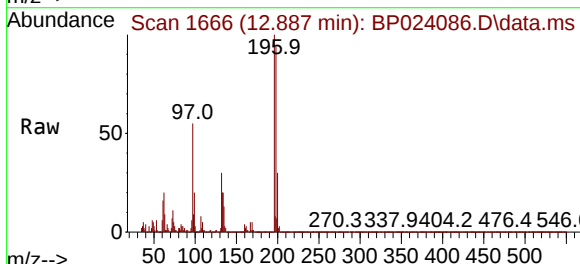
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

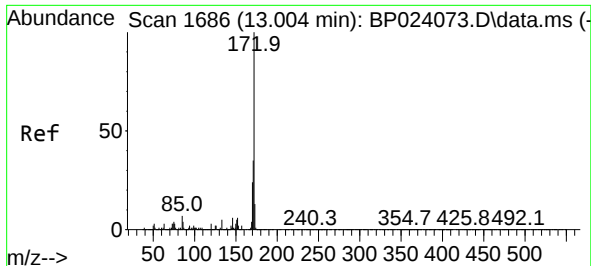
Tgt Ion:196 Resp: 142635
Ion Ratio Lower Upper
196 100
198 95.5 77.8 116.6
200 31.2 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 10.125 ng
RT: 12.887 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:196 Resp: 159574
Ion Ratio Lower Upper
196 100
198 93.9 77.4 116.2
97 55.4 39.0 58.4
132 29.8 21.9 32.9

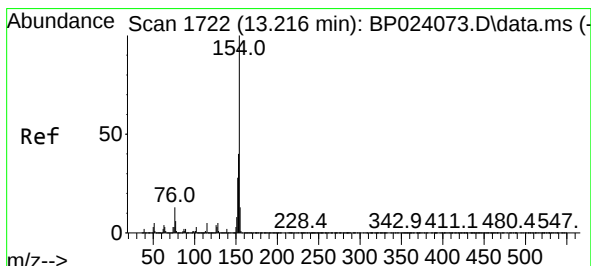
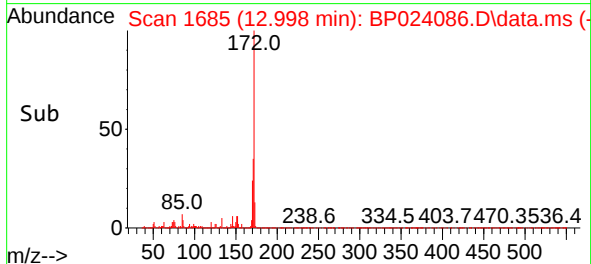
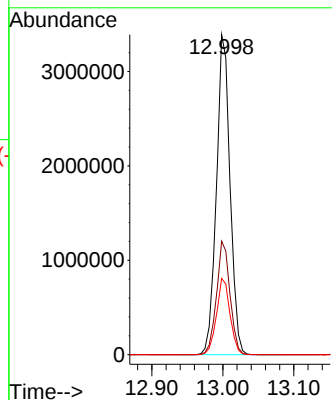
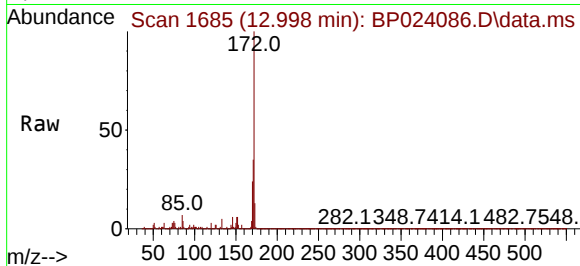




#45
2-Fluorobiphenyl
Concen: 81.978 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

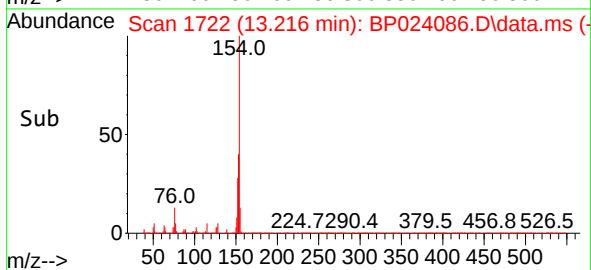
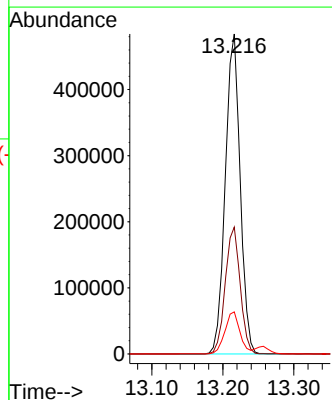
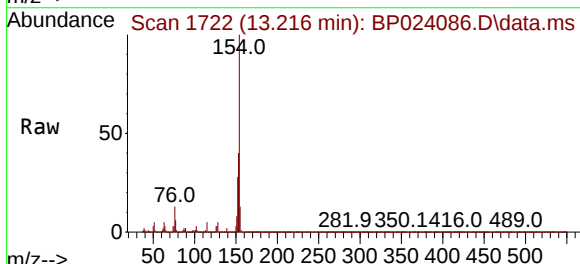
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

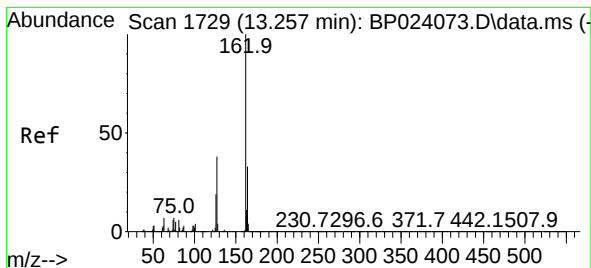
Tgt Ion:172 Resp: 4509725
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 11.723 ng
RT: 13.216 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:154 Resp: 700549
Ion Ratio Lower Upper
154 100
153 39.6 20.0 60.0
76 13.1 0.0 32.6

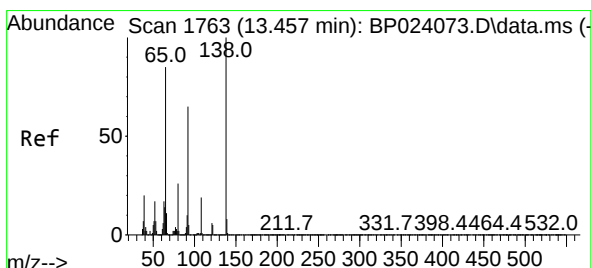
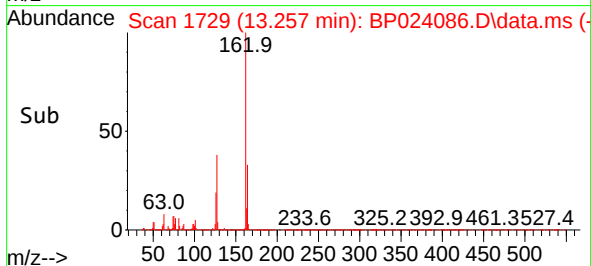
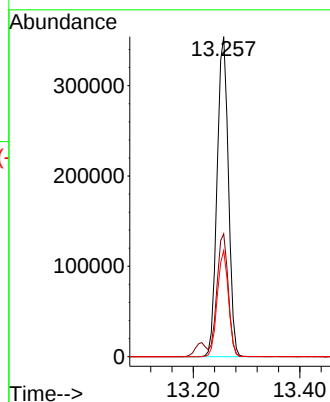
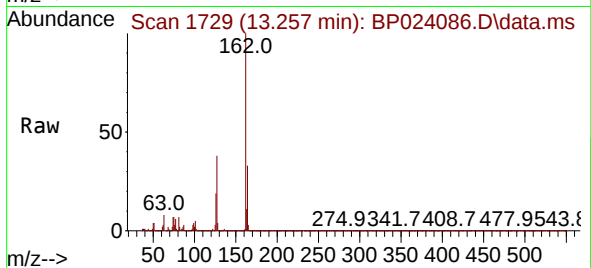




#47
2-Chloronaphthalene
Concen: 11.526 ng
RT: 13.257 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

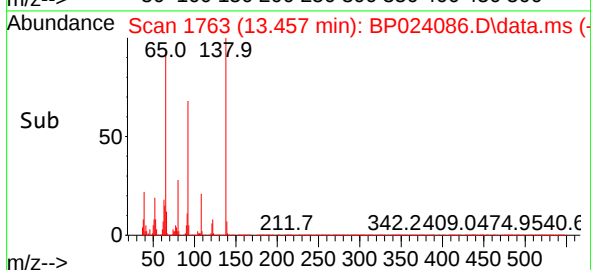
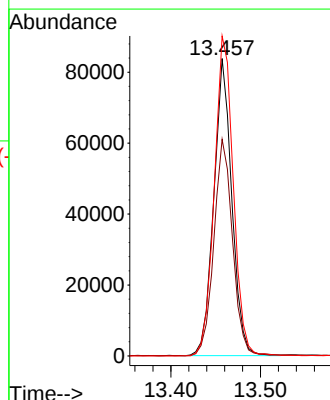
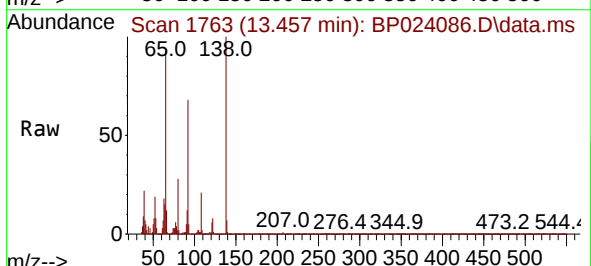
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

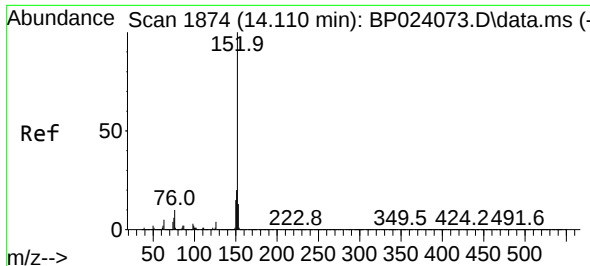
Tgt Ion:162 Resp: 520698
Ion Ratio Lower Upper
162 100
127 38.4 30.7 46.1
164 33.1 26.6 39.8



#48
2-Nitroaniline
Concen: 10.974 ng
RT: 13.457 min Scan# 1763
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion: 65 Resp: 117113
Ion Ratio Lower Upper
65 100
92 72.9 61.7 92.5
138 107.6 94.6 142.0

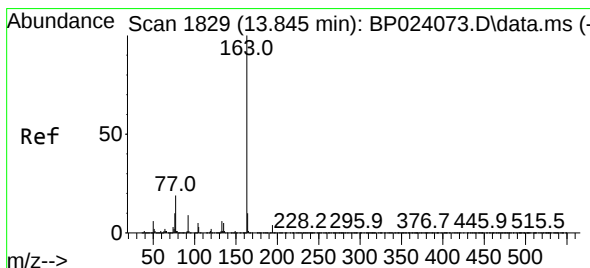
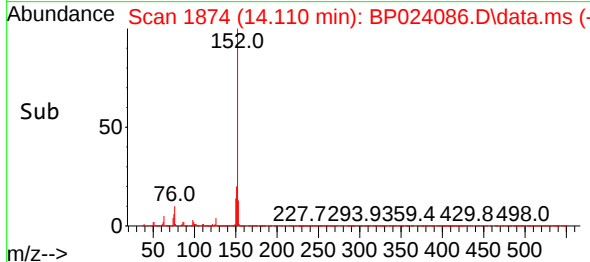
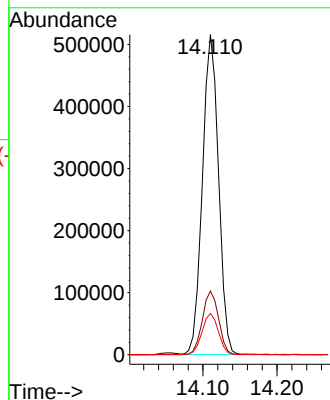
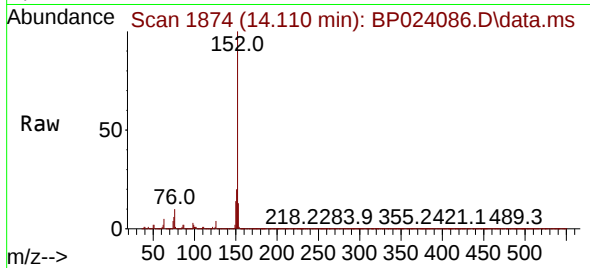




#49
Acenaphthylene
Concen: 11.682 ng
RT: 14.110 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

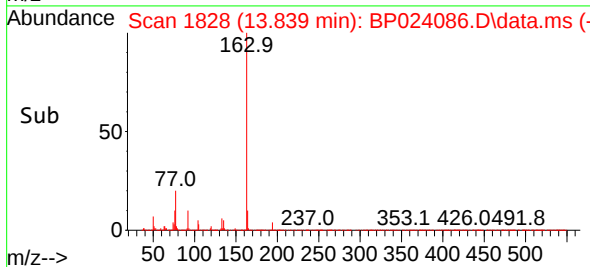
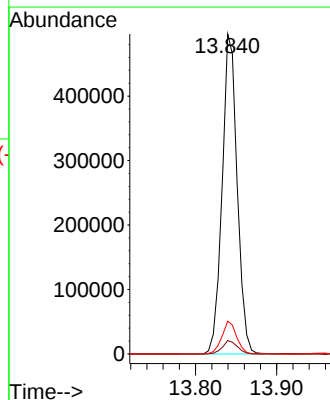
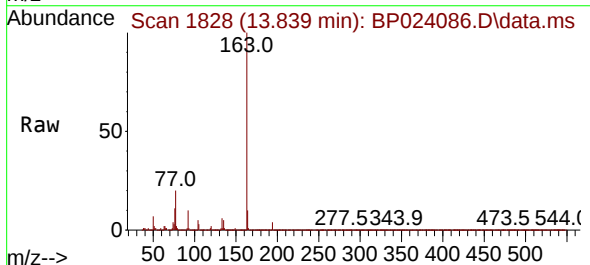
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

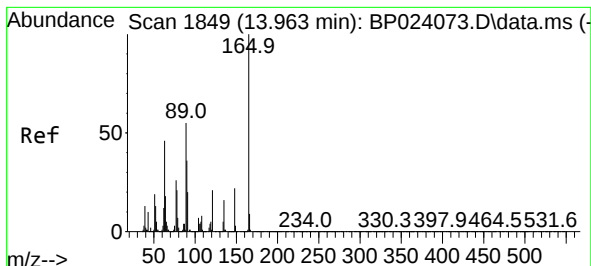
Tgt Ion:152 Resp: 777515
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 12.9 10.7 16.1



#50
Dimethylphthalate
Concen: 11.796 ng
RT: 13.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:163 Resp: 639901
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.3 8.1 12.1

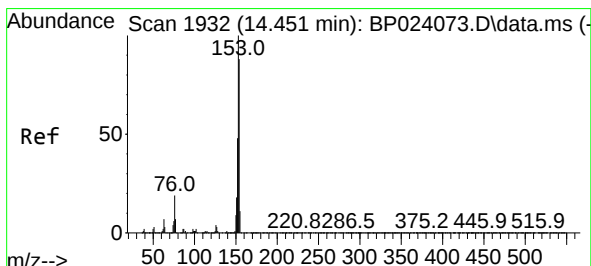
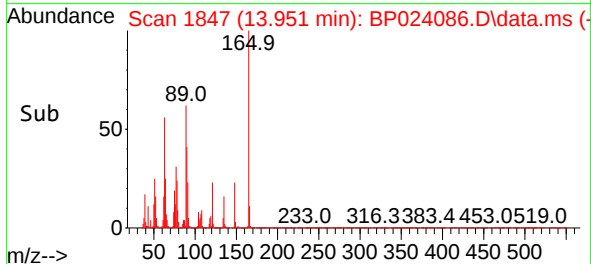
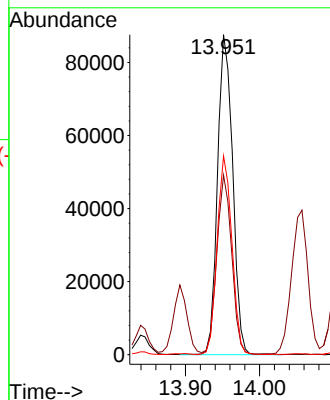
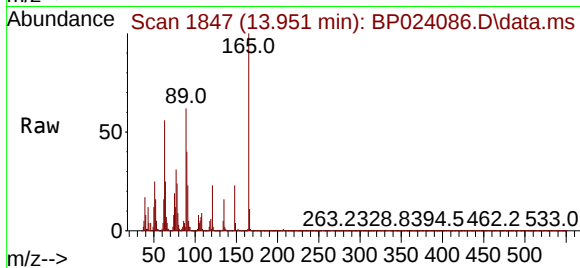




#51
2,6-Dinitrotoluene
Concen: 11.208 ng
RT: 13.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

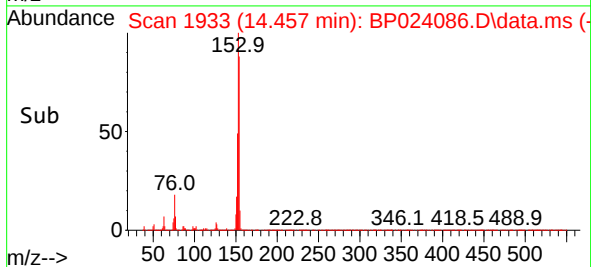
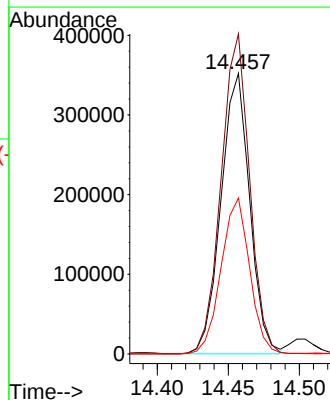
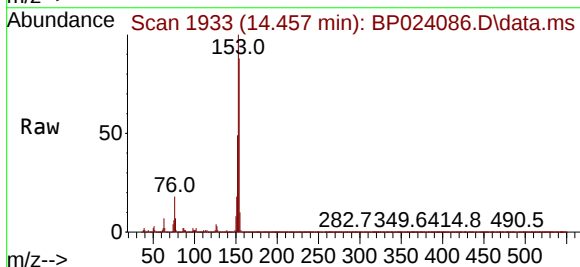
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

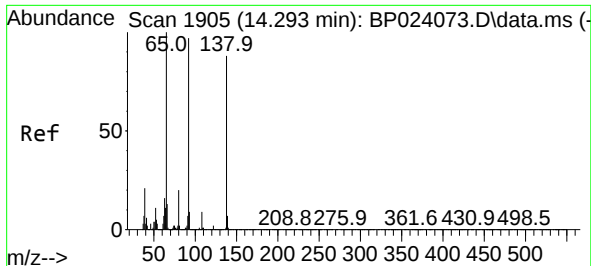
Tgt Ion:165 Resp: 123854
Ion Ratio Lower Upper
165 100
63 56.1 40.1 60.1
89 62.1 44.2 66.4



#52
Acenaphthene
Concen: 11.534 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:154 Resp: 494354
Ion Ratio Lower Upper
154 100
153 114.1 90.6 135.8
152 55.6 43.6 65.4

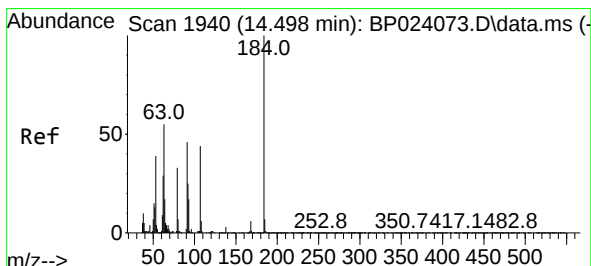
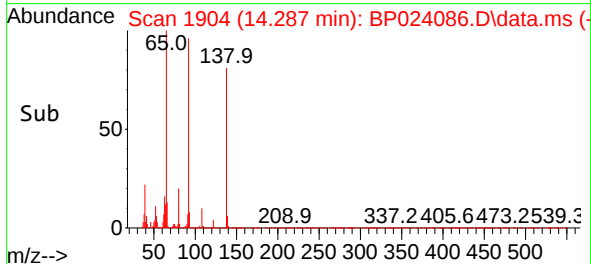
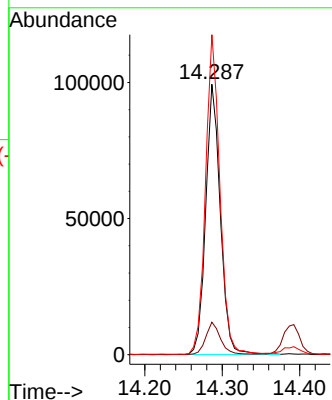
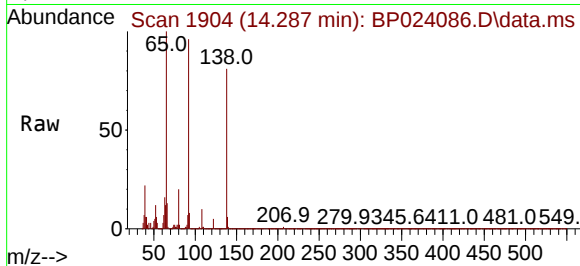




#53
3-Nitroaniline
Concen: 11.009 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

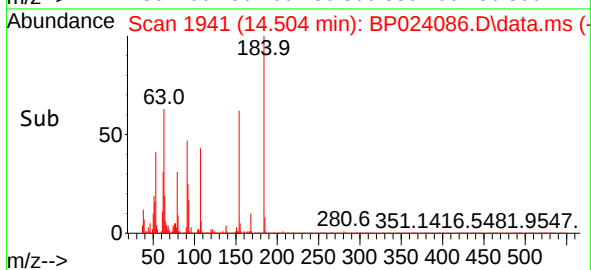
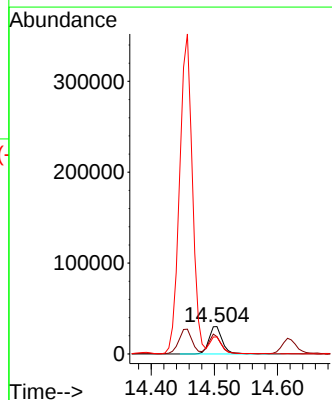
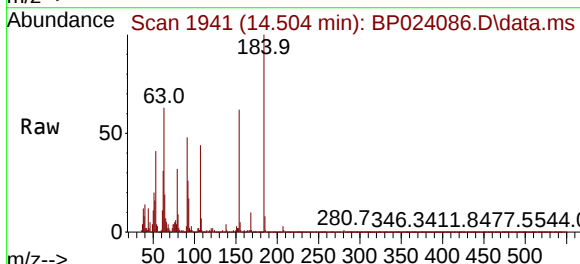
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

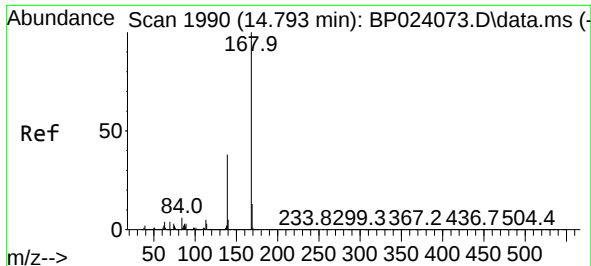
Tgt Ion:138 Resp: 129818
Ion Ratio Lower Upper
138 100
108 12.0 7.8 11.8#
92 118.3 88.4 132.6



#54
2,4-Dinitrophenol
Concen: 13.261 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:184 Resp: 44236
Ion Ratio Lower Upper
184 100
63 63.5 49.4 74.0
154 61.9 49.2 73.8

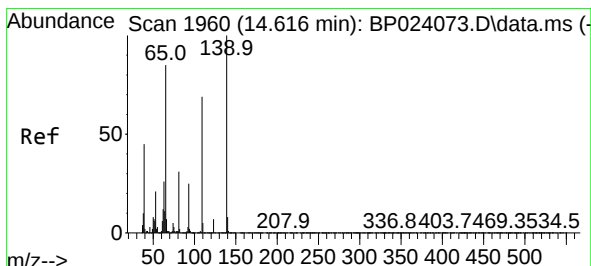
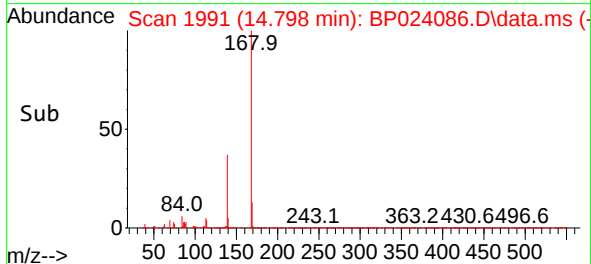
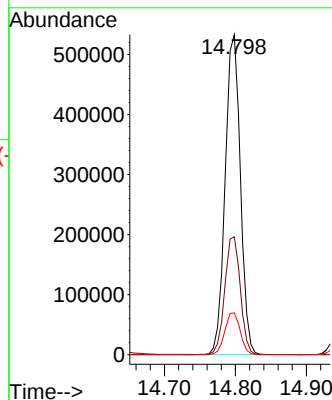
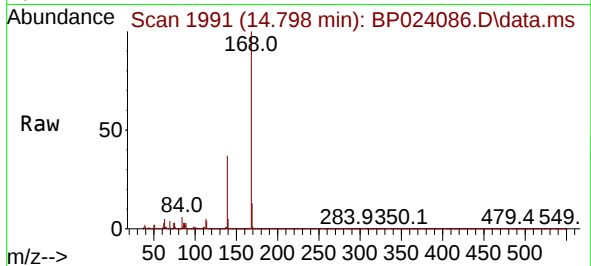




#55
Dibenzenofuran
Concen: 11.340 ng
RT: 14.798 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

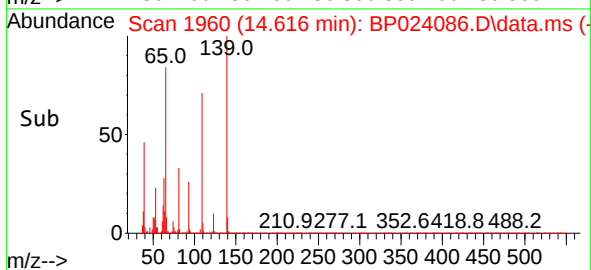
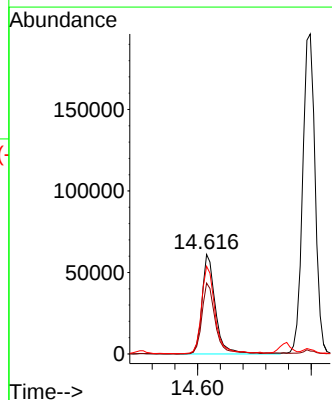
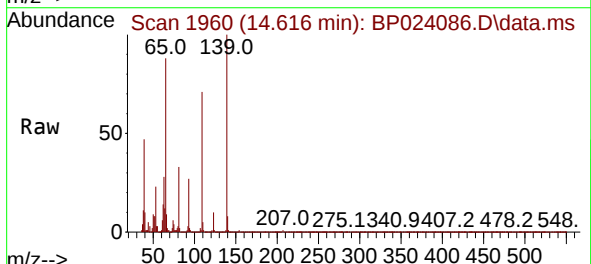
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

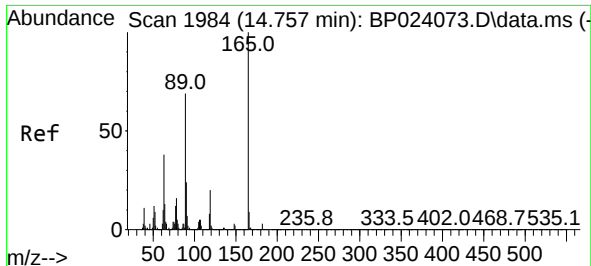
Tgt Ion:168 Resp: 789588
Ion Ratio Lower Upper
168 100
139 36.8 30.2 45.2
169 13.1 10.7 16.1



#56
4-Nitrophenol
Concen: 9.753 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:139 Resp: 99339
Ion Ratio Lower Upper
139 100
109 71.2 49.2 89.2
65 88.1 65.4 105.4

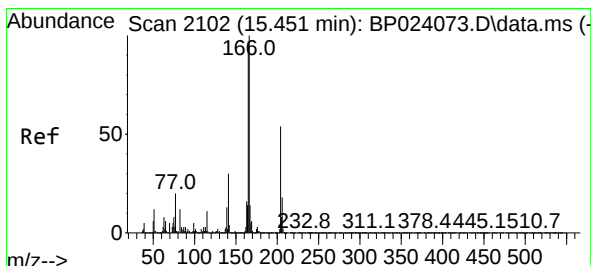
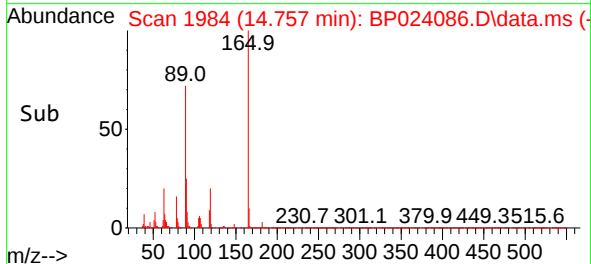
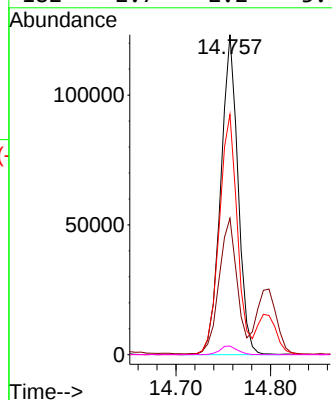
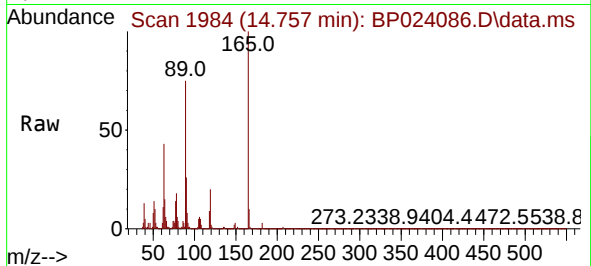




#57
2,4-Dinitrotoluene
Concen: 10.903 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

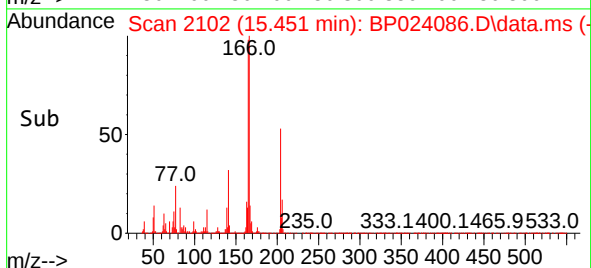
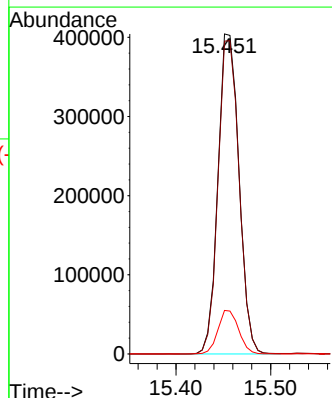
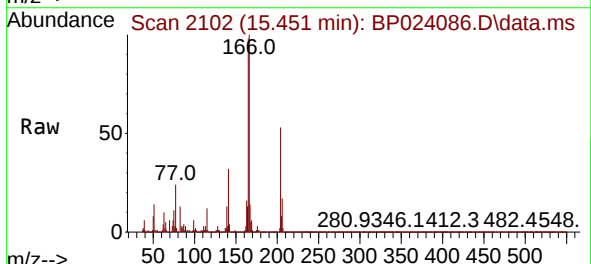
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

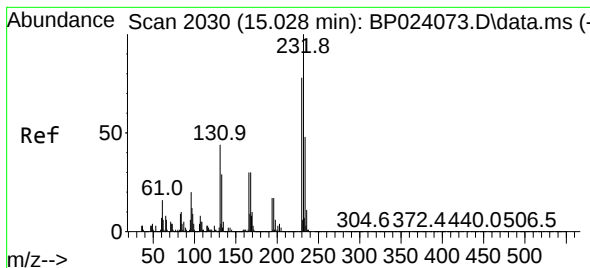
Tgt Ion:	165	Resp:	156512
Ion Ratio	Lower	Upper	
165	100		
63	42.6	30.4	45.6
89	75.0	54.8	82.2
182	2.7	2.2	3.4



#58
Fluorene
Concen: 11.486 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:	166	Resp:	624588
Ion Ratio	Lower	Upper	
166	100		
165	97.8	77.5	116.3
167	13.6	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.393 ng

RT: 15.028 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:232 Resp: 142114

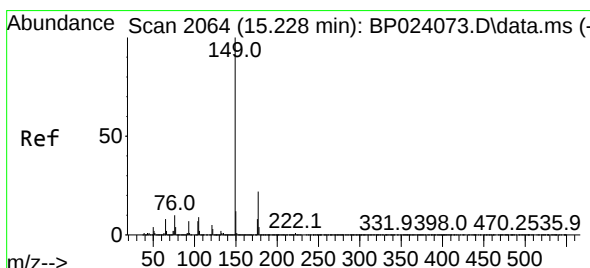
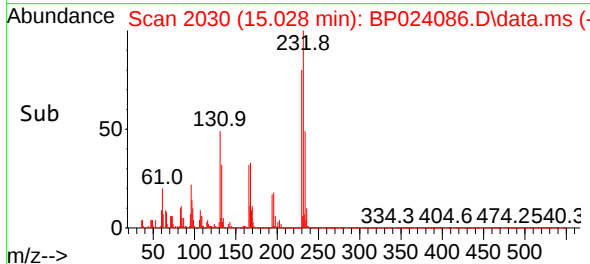
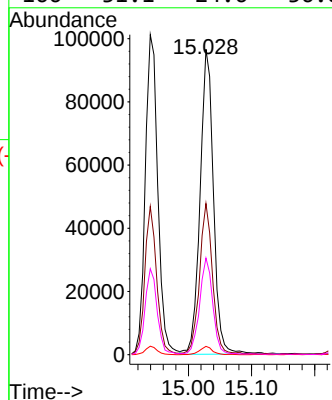
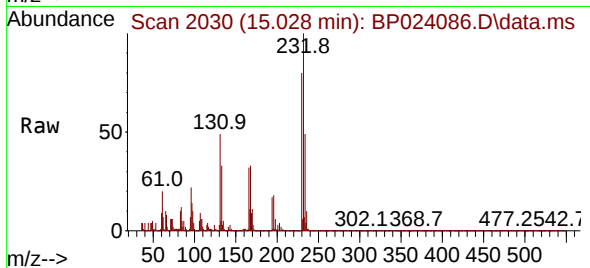
Ion Ratio Lower Upper

232 100

131 48.0 37.3 55.9

130 2.6 1.9 2.9

166 31.1 24.6 36.8



#60

Diethylphthalate

Concen: 11.736 ng

RT: 15.228 min Scan# 2064

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

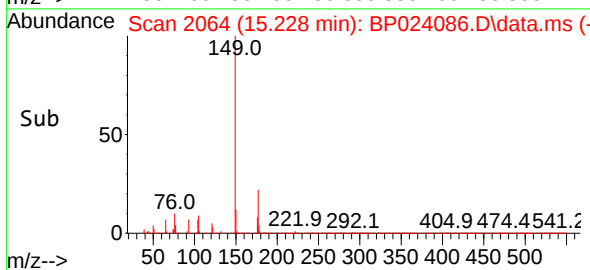
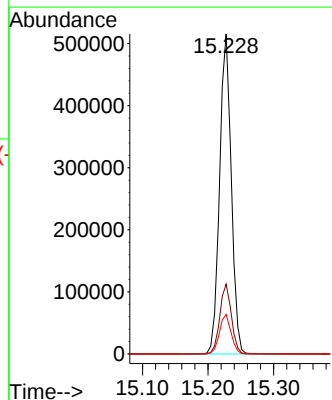
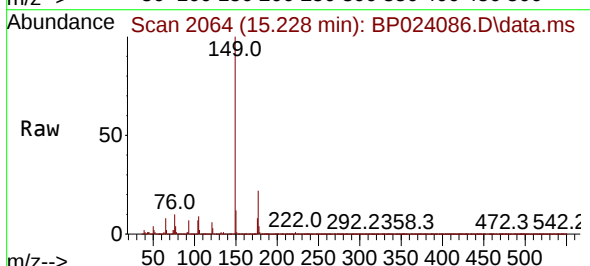
Tgt Ion:149 Resp: 632003

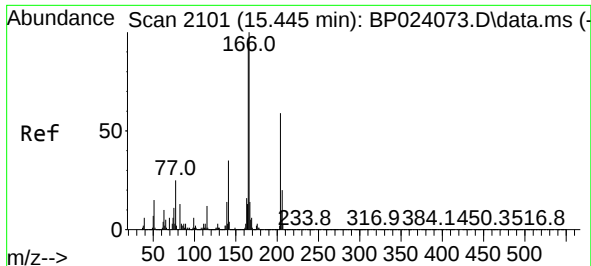
Ion Ratio Lower Upper

149 100

177 21.8 17.9 26.9

150 12.4 9.8 14.6

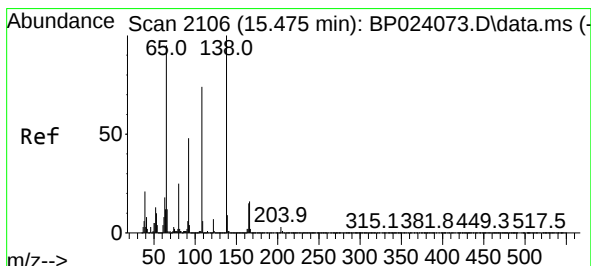
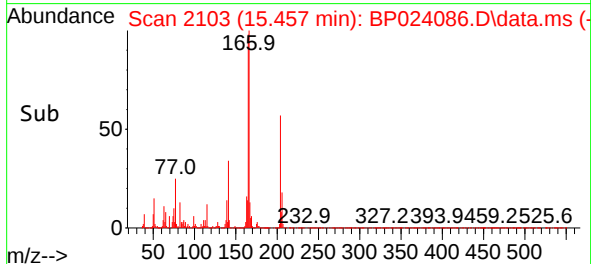
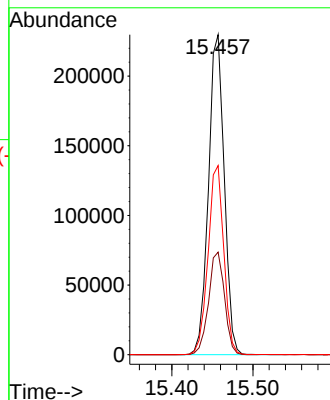
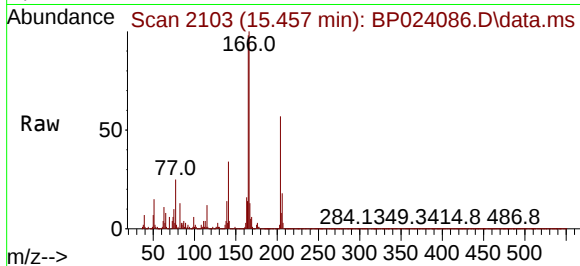




#61
4-Chlorophenyl-phenylether
Concen: 11.550 ng
RT: 15.457 min Scan# 2101
Delta R.T. 0.012 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

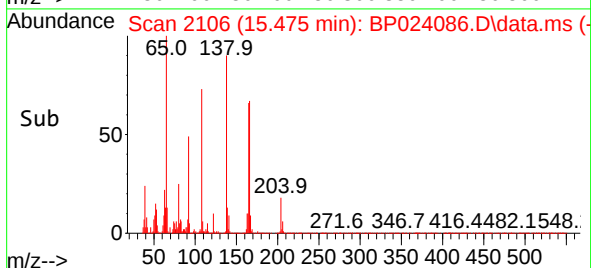
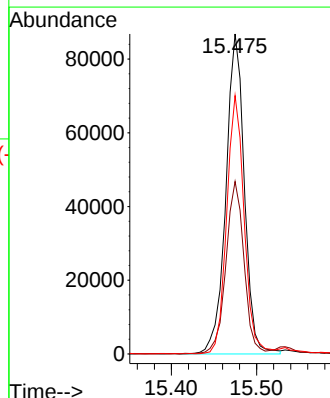
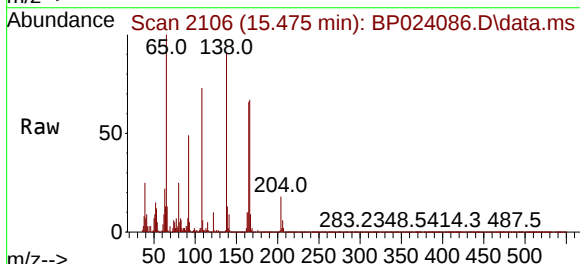
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

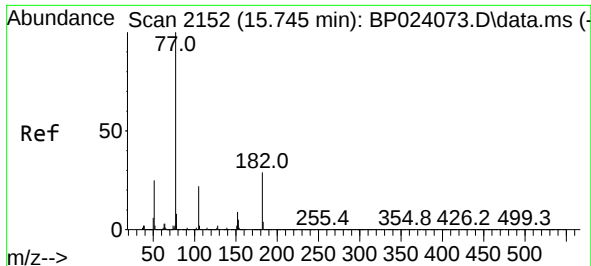
Tgt Ion:204 Resp: 309151
Ion Ratio Lower Upper
204 100
206 32.1 26.6 39.8
141 59.1 47.8 71.6



#62
4-Nitroaniline
Concen: 12.018 ng
RT: 15.475 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:138 Resp: 130837
Ion Ratio Lower Upper
138 100
92 53.9 28.3 68.3
108 80.8 54.0 94.0

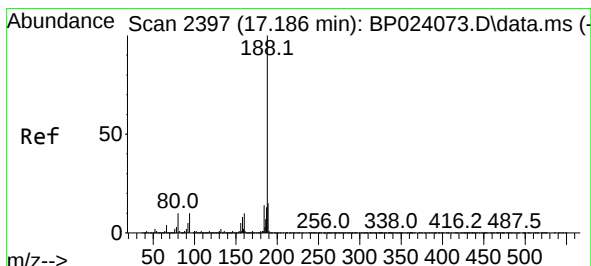
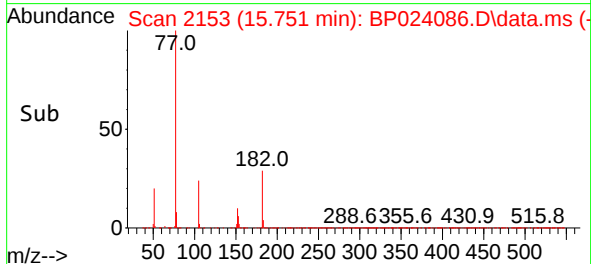
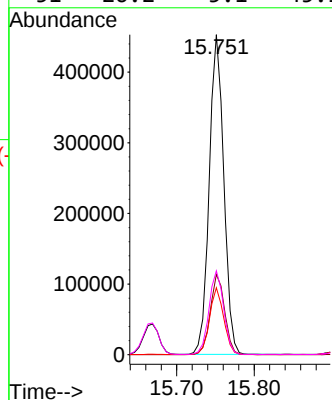
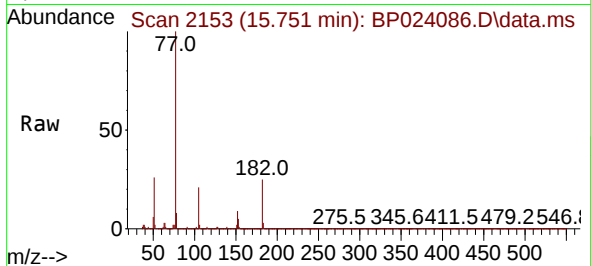




#63
Azobenzene
Concen: 11.690 ng
RT: 15.751 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

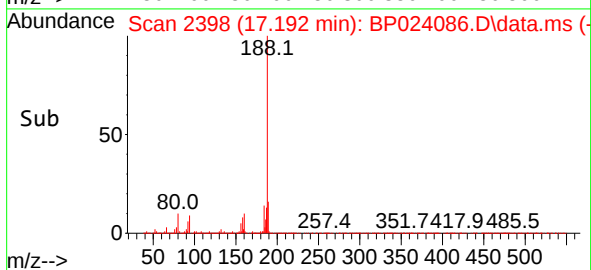
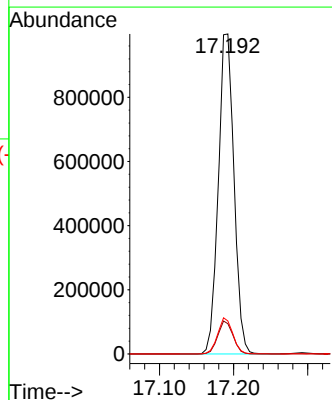
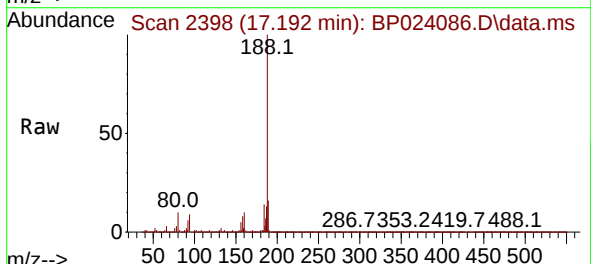
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

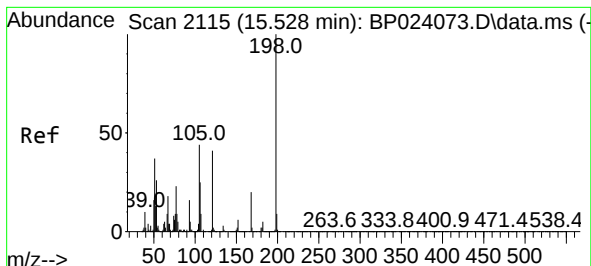
Tgt Ion: 77	Resp: 589893
Ion Ratio	Lower Upper
77 100	
182 25.0	8.5 48.5
105 20.9	1.8 41.8
51 26.2	5.1 45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:188	Resp: 1470452		
Ion Ratio	Lower	Upper	
188 100			
94 9.4	7.6	11.4	
80 10.3	8.2	12.2	

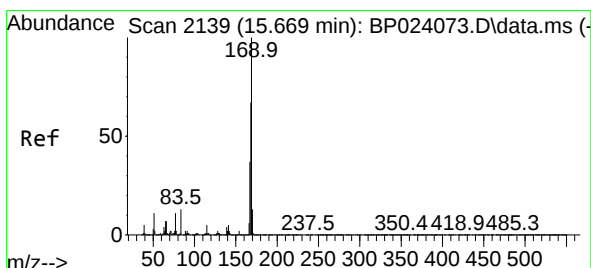
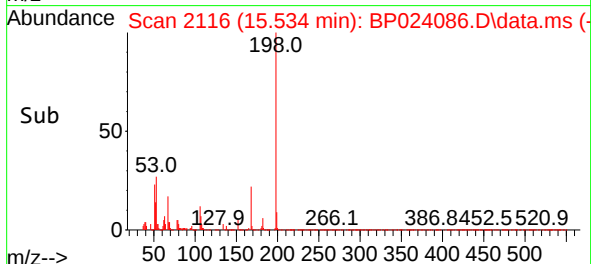
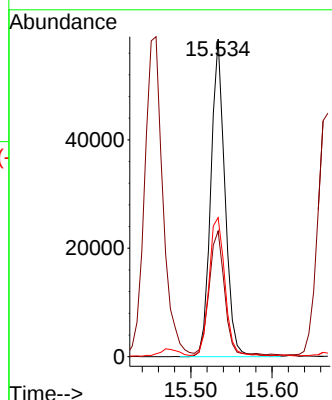
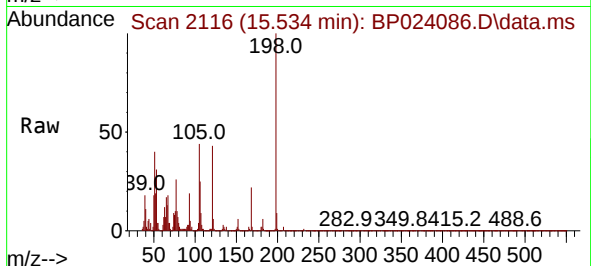




#65
4,6-Dinitro-2-methylphenol
Concen: 12.567 ng
RT: 15.534 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

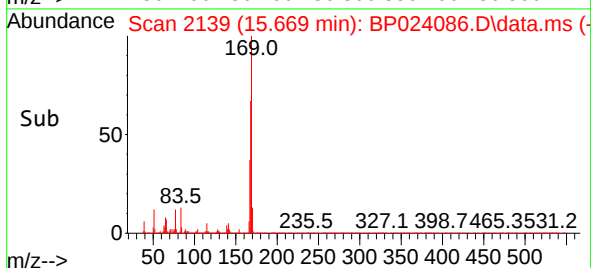
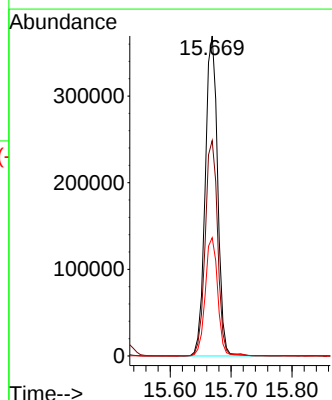
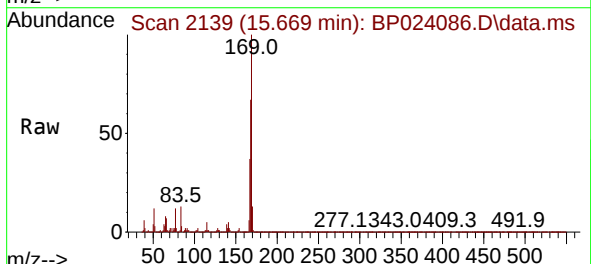
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

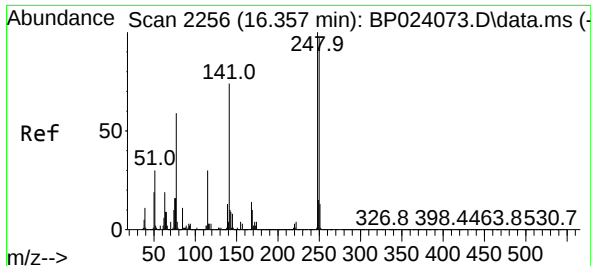
Tgt Ion:198 Resp: 70806
Ion Ratio Lower Upper
198 100
51 39.6 18.7 58.7
105 43.8 24.7 64.7



#66
n-Nitrosodiphenylamine
Concen: 11.383 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:169 Resp: 521970
Ion Ratio Lower Upper
169 100
168 67.3 53.6 80.4
167 36.9 29.5 44.3

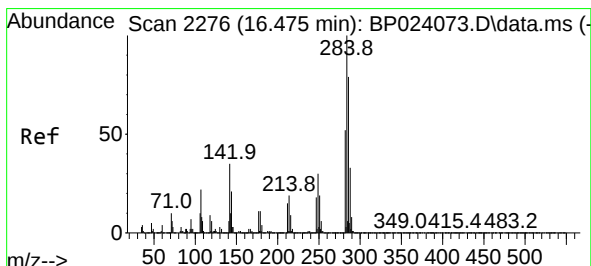
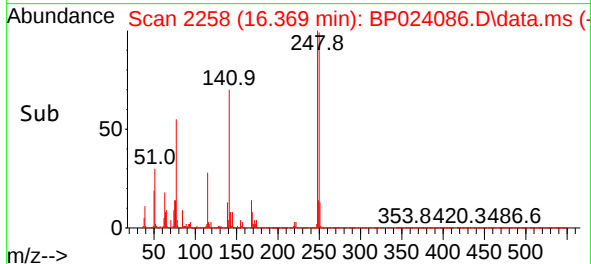
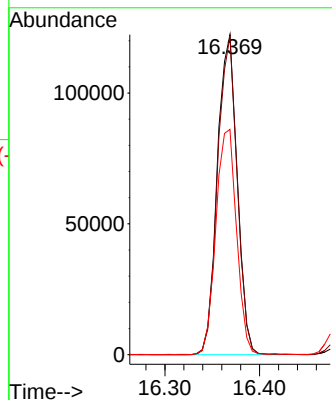
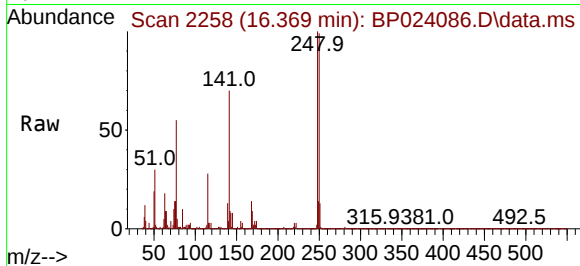




#67
4-Bromophenyl-phenylether
Concen: 10.801 ng
RT: 16.369 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

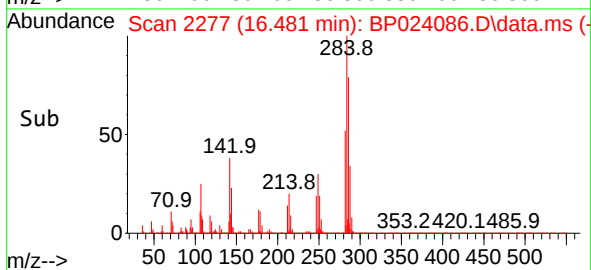
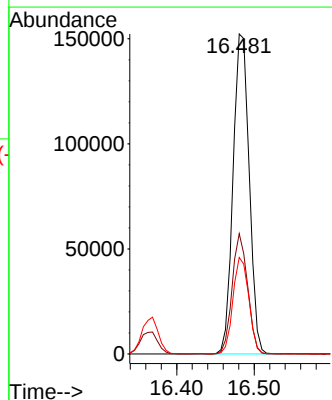
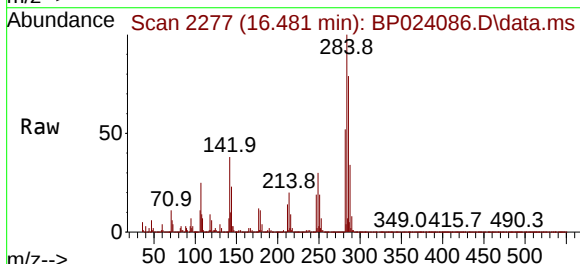
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

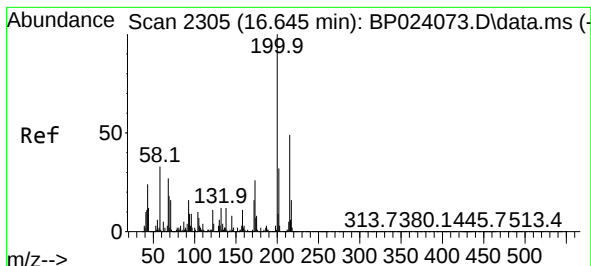
Tgt Ion:248 Resp: 178356
Ion Ratio Lower Upper
248 100
250 99.4 77.9 116.9
141 70.4 58.8 88.2



#68
Hexachlorobenzene
Concen: 11.377 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:284 Resp: 221046
Ion Ratio Lower Upper
284 100
142 37.6 27.7 41.5
249 30.1 23.8 35.6





#69

Atrazine

Concen: 14.161 ng

RT: 16.645 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

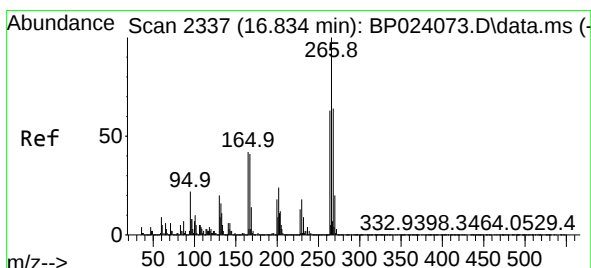
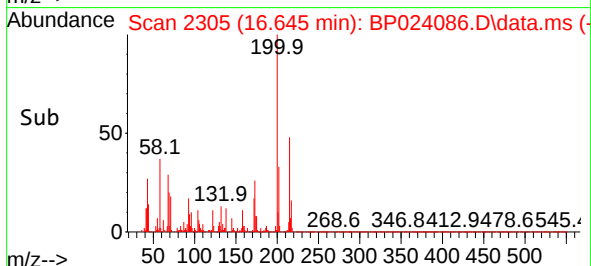
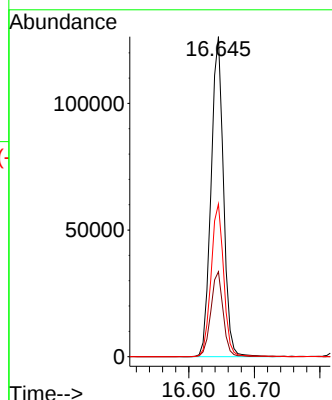
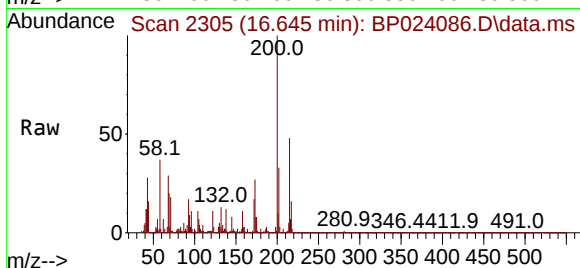
Tgt Ion:200 Resp: 166641

Ion Ratio Lower Upper

200 100

173 26.6 5.7 45.7

215 47.7 28.7 68.7



#70

Pentachlorophenol

Concen: 8.233 ng

RT: 16.839 min Scan# 2338

Delta R.T. 0.005 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

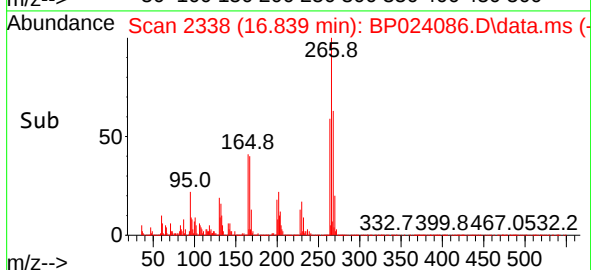
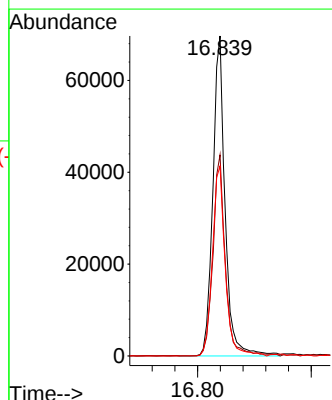
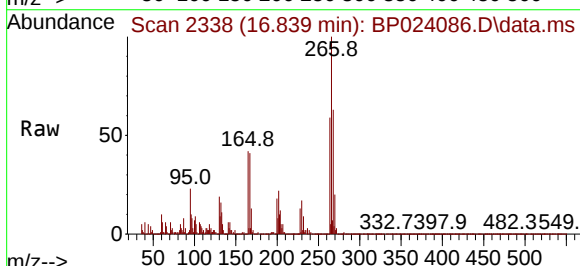
Tgt Ion:266 Resp: 103896

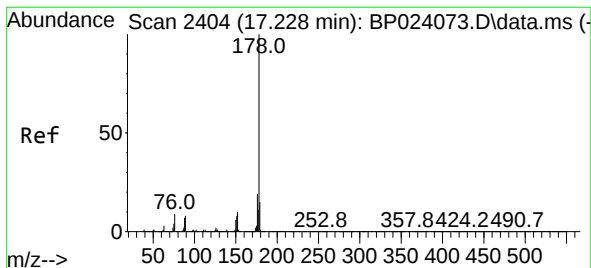
Ion Ratio Lower Upper

266 100

268 62.9 51.3 76.9

264 59.3 50.5 75.7





#71

Phenanthrene

Concen: 11.754 ng

RT: 17.233 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

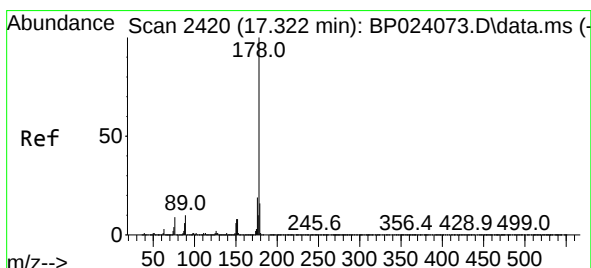
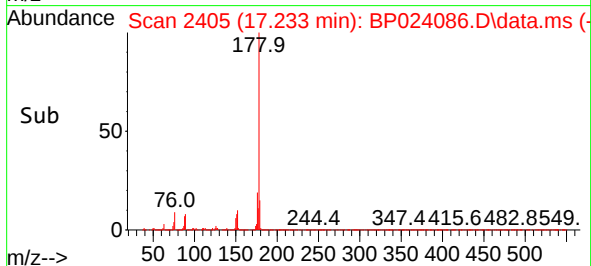
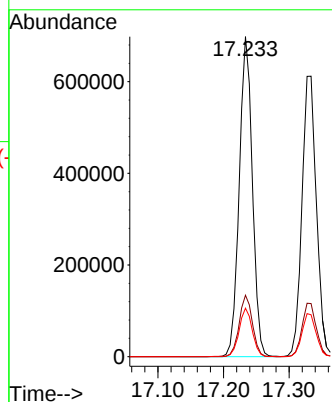
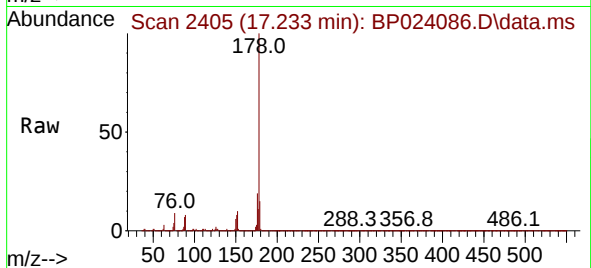
Tgt Ion:178 Resp: 974411

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 11.811 ng

RT: 17.333 min Scan# 2422

Delta R.T. 0.012 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

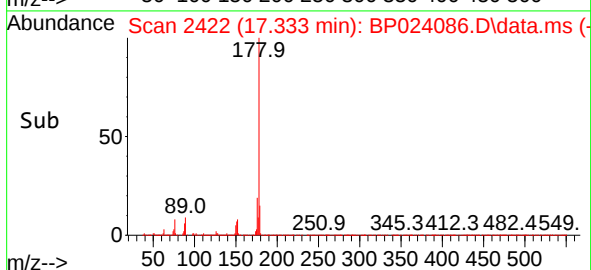
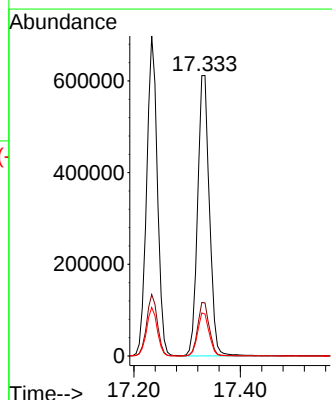
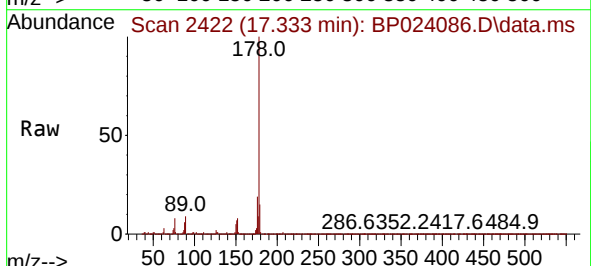
Tgt Ion:178 Resp: 938337

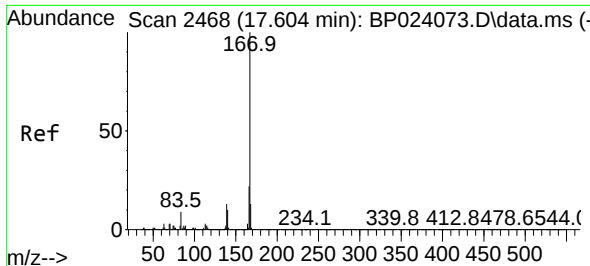
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.0 12.6 19.0

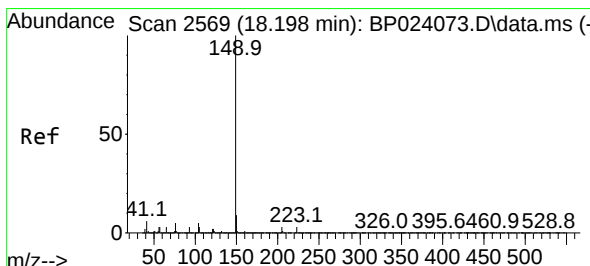
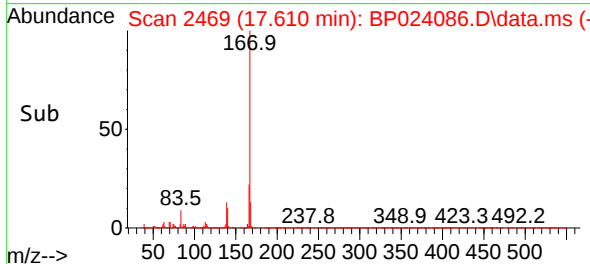
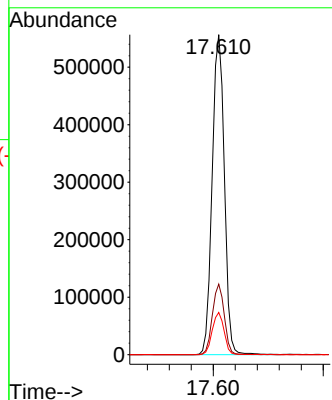
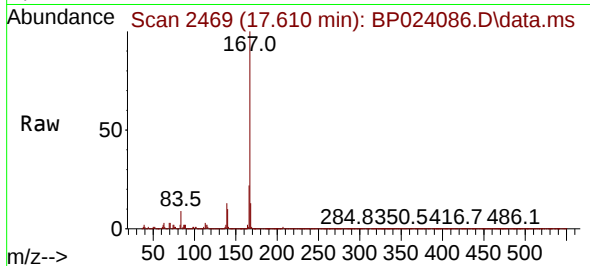




#73
Carbazole
Concen: 11.308 ng
RT: 17.610 min Scan# 2469
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

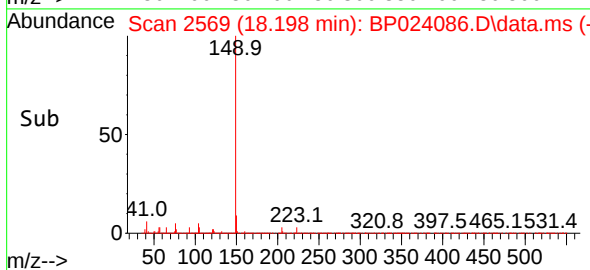
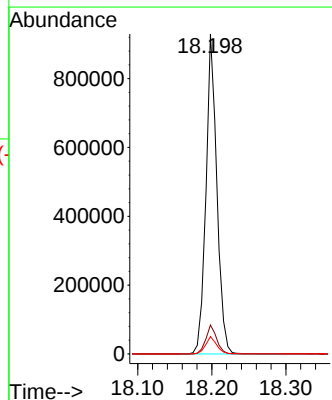
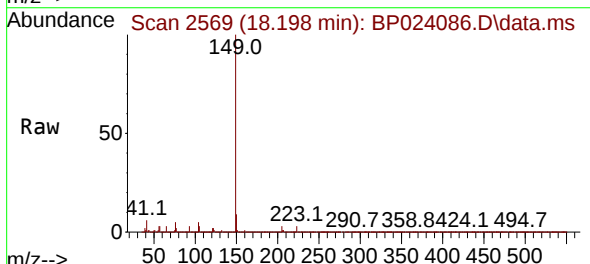
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

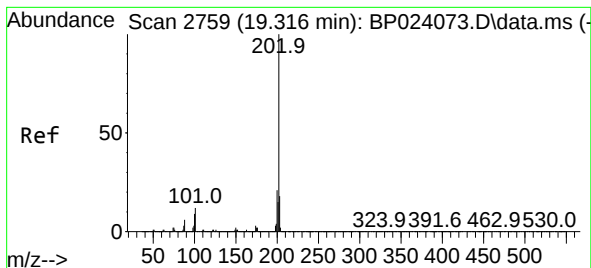
Tgt Ion:167 Resp: 855938
Ion Ratio Lower Upper
167 100
166 22.1 17.3 25.9
139 13.2 10.3 15.5



#74
Di-n-butylphthalate
Concen: 10.765 ng
RT: 18.198 min Scan# 2569
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:149 Resp: 950733
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 5.4 4.2 6.2





#75

Fluoranthene

Concen: 10.865 ng

RT: 19.322 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

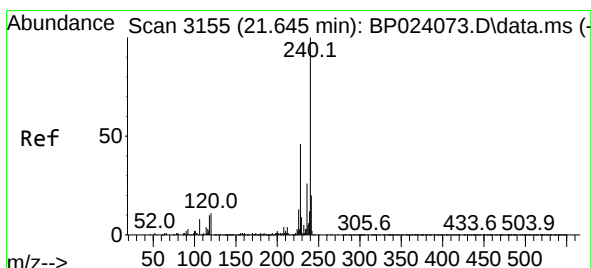
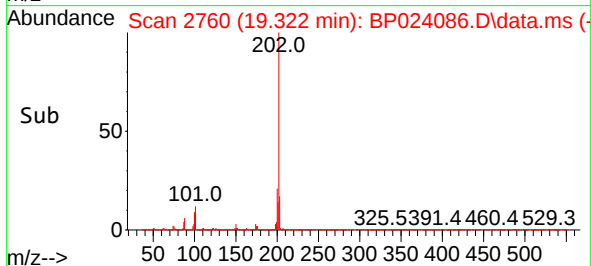
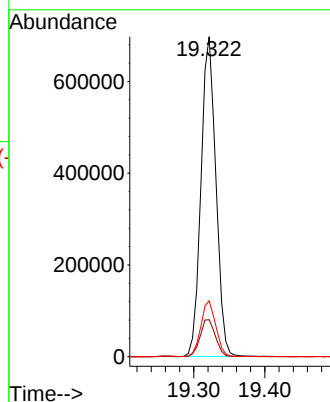
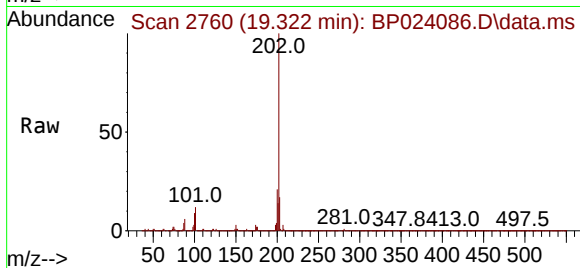
Tgt Ion:202 Resp: 1018835

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.9

203 17.5 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: BP024086.D

Acq: 18 Feb 2025 16:36

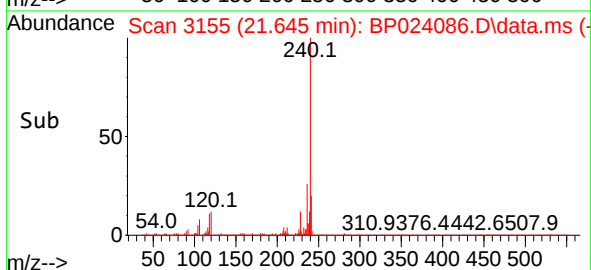
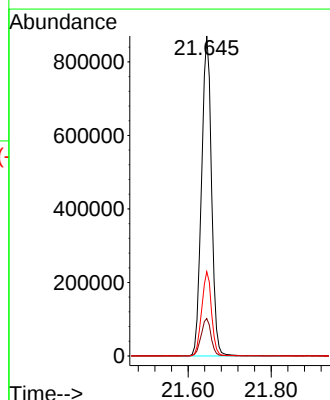
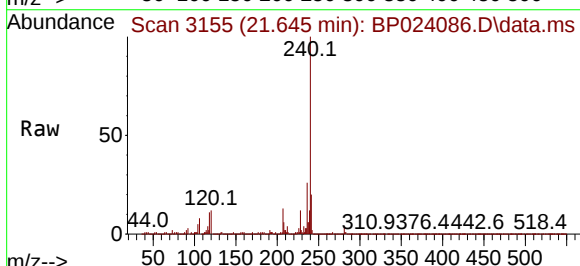
Tgt Ion:240 Resp: 1444344

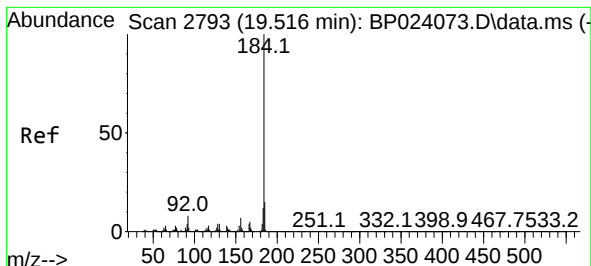
Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 26.3 20.7 31.1





#77

Benzidine

Concen: 21.813 ng

RT: 19.522 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

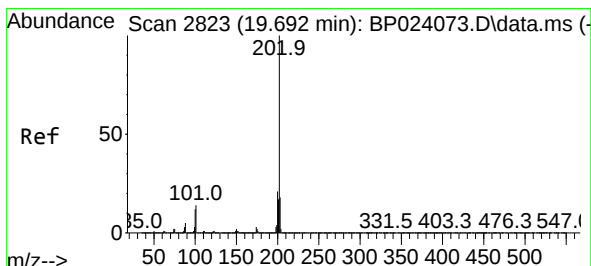
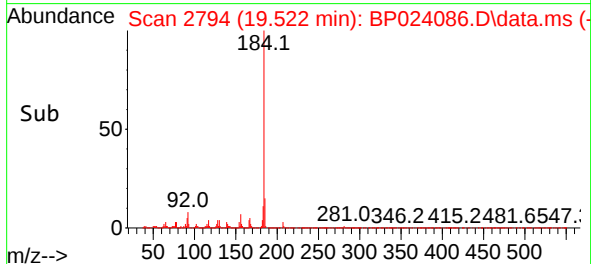
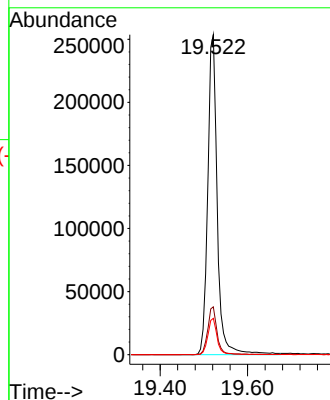
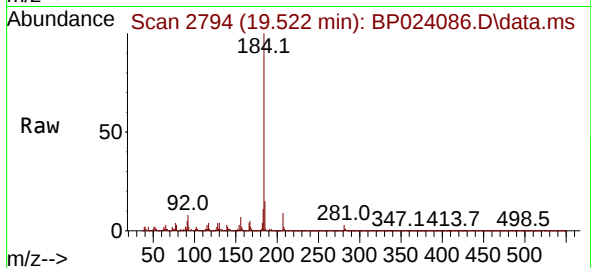
Tgt Ion:184 Resp: 383905

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

183 11.3 9.3 13.9



#78

Pyrene

Concen: 11.857 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

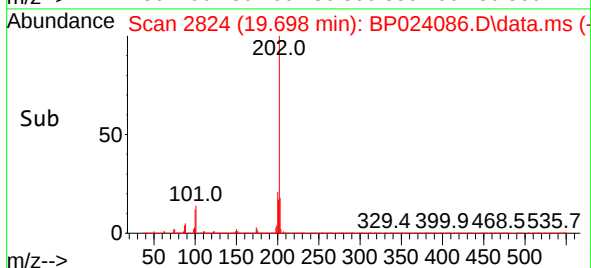
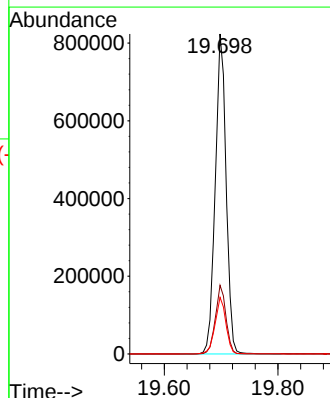
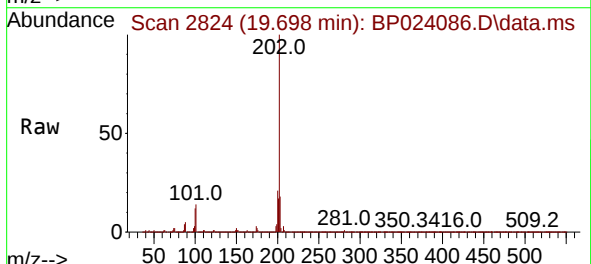
Tgt Ion:202 Resp: 1087786

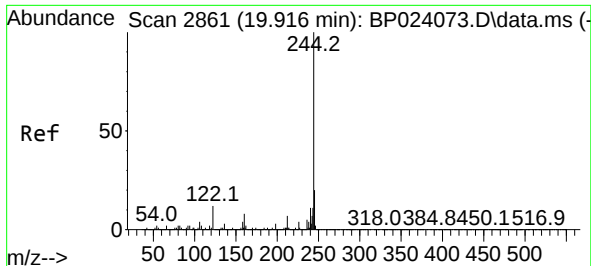
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 17.7 14.4 21.6

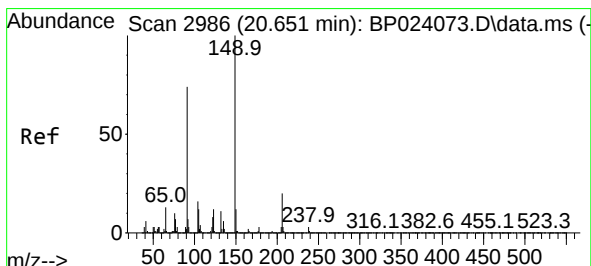
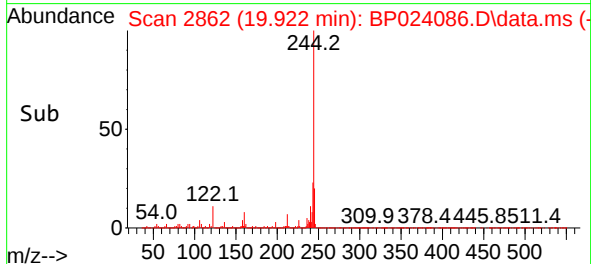
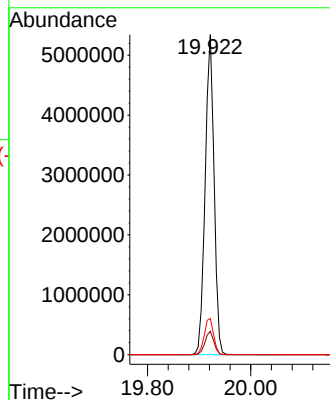
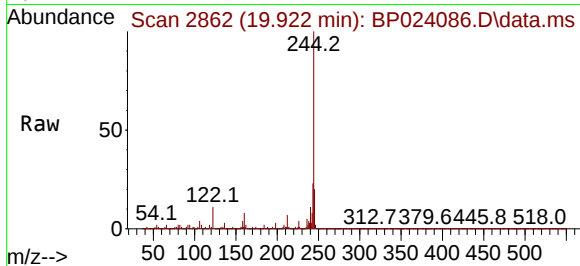




#79
Terphenyl-d14
Concen: 87.283 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

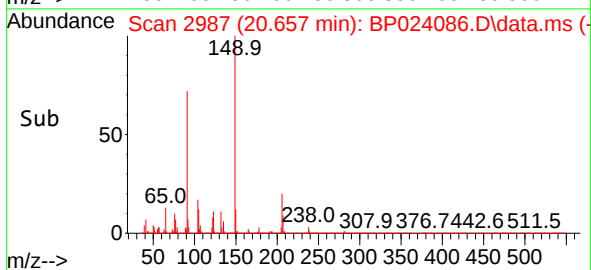
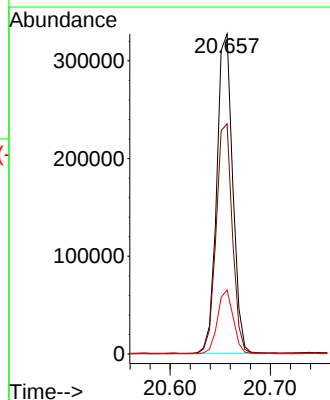
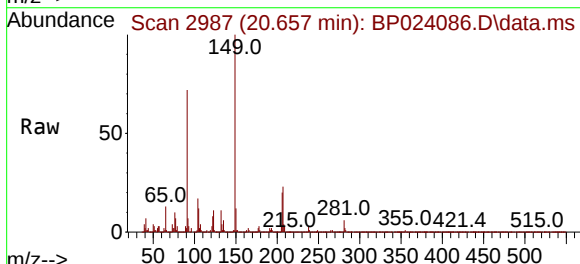
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

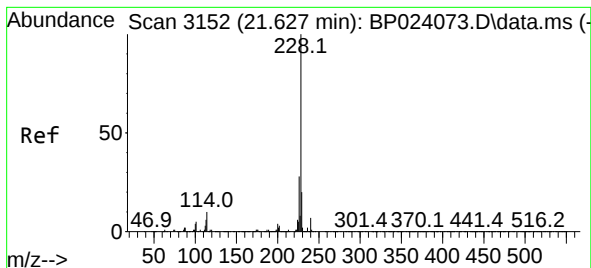
Tgt Ion:244 Resp: 6371012
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.3 9.4 14.2



#80
Butylbenzylphthalate
Concen: 10.263 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:149 Resp: 360810
Ion Ratio Lower Upper
149 100
91 71.9 59.4 89.0
206 20.0 16.2 24.2





#81

Benzo(a)anthracene

Concen: 11.638 ng

RT: 21.621 min Scan# 3151

Delta R.T. -0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

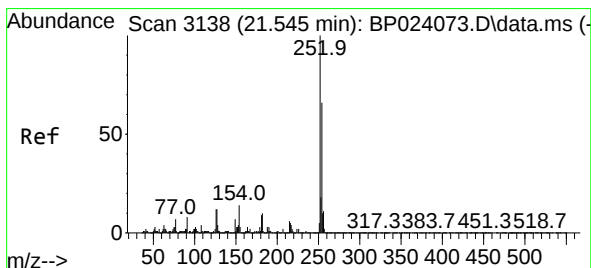
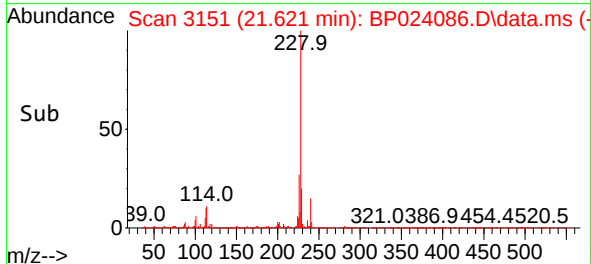
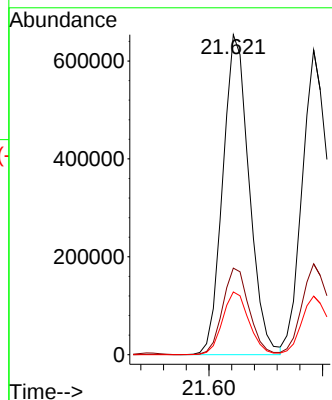
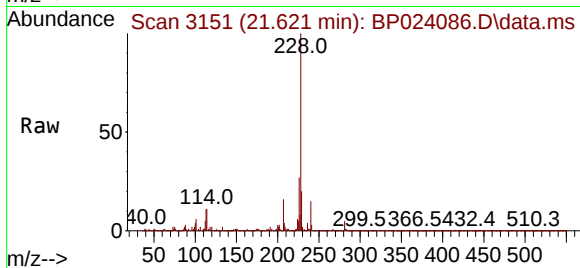
Tgt Ion:228 Resp: 1053987

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.4

229 19.6 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 10.518 ng

RT: 21.545 min Scan# 3138

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

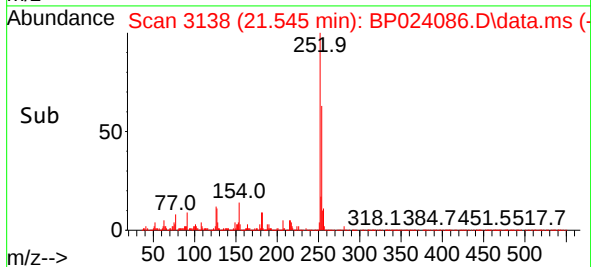
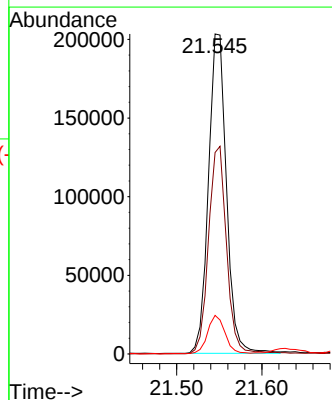
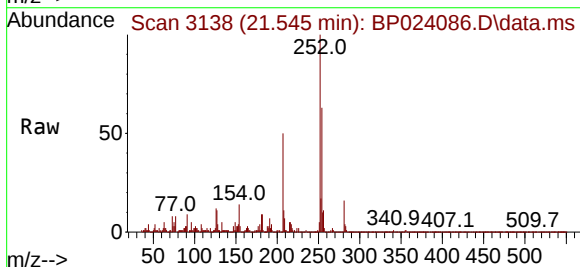
Tgt Ion:252 Resp: 297679

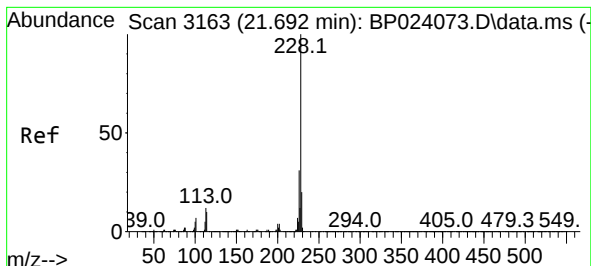
Ion Ratio Lower Upper

252 100

254 63.0 52.4 78.6

126 12.0 9.6 14.4





#83

Chrysene

Concen: 11.454 ng

RT: 21.692 min Scan# 3163

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

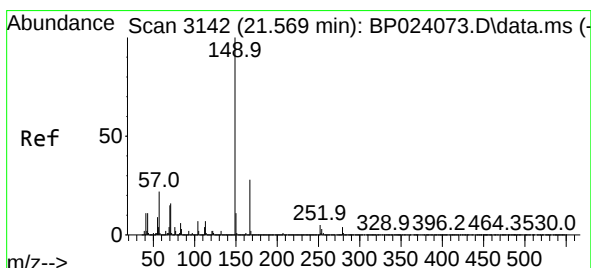
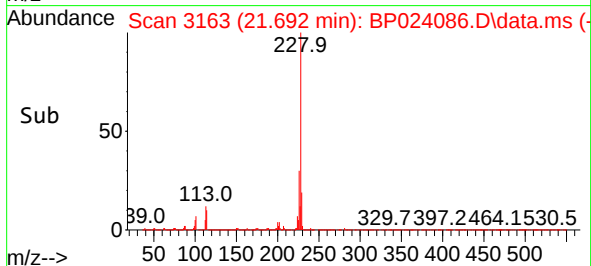
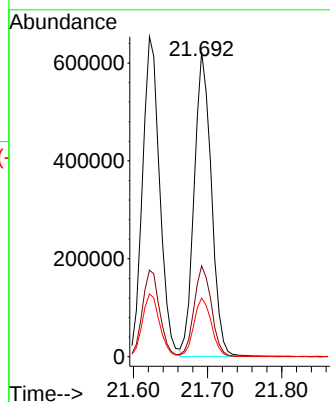
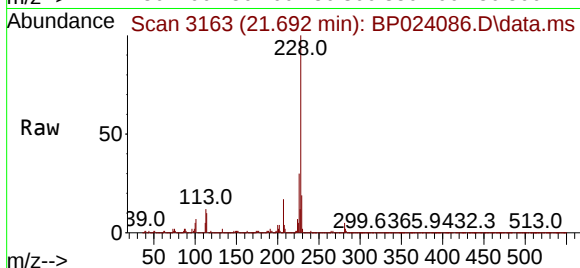
Tgt Ion:228 Resp: 1000296

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 19.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.999 ng

RT: 21.574 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

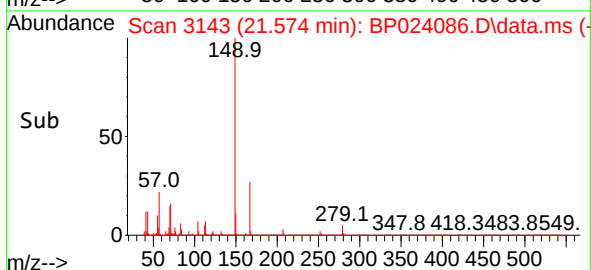
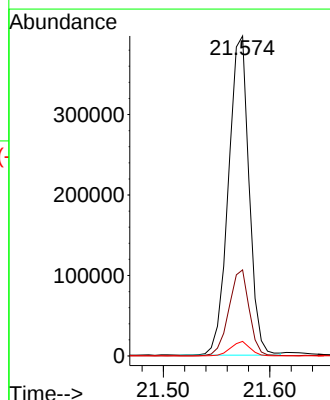
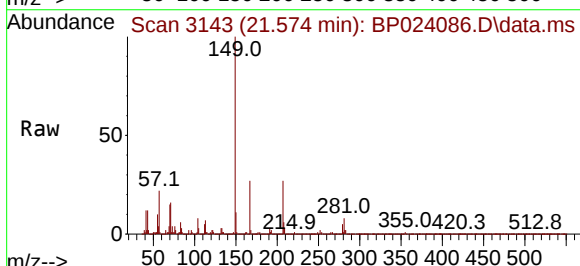
Tgt Ion:149 Resp: 533081

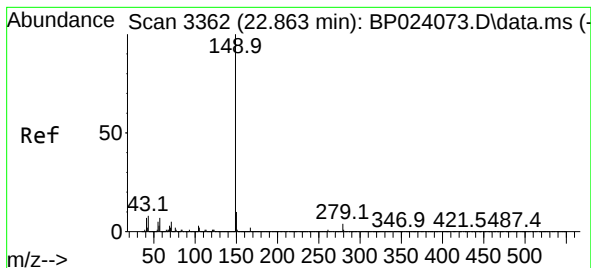
Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.2

279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 8.174 ng

RT: 22.863 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

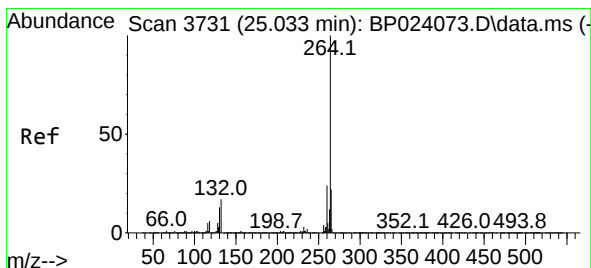
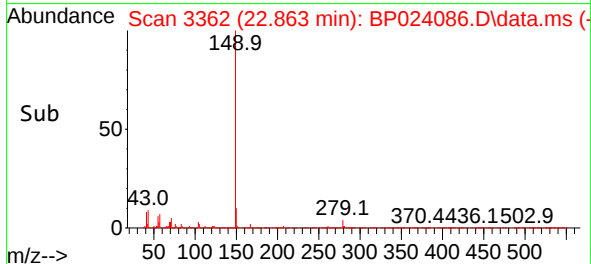
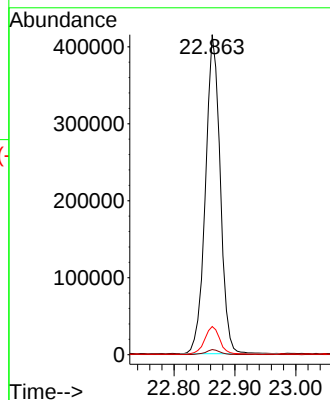
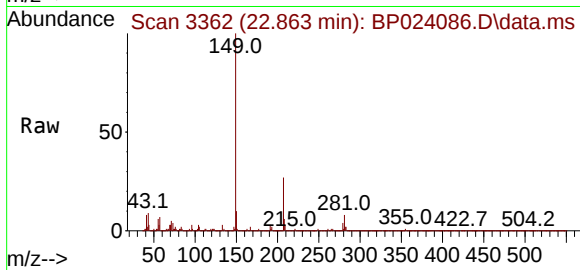
Tgt Ion:149 Resp: 696503

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.9 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.027 min Scan# 3730

Delta R.T. -0.006 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

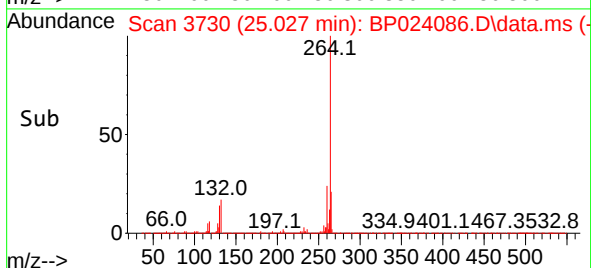
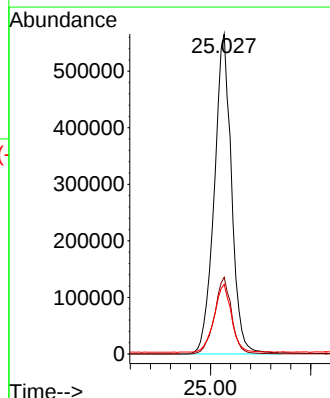
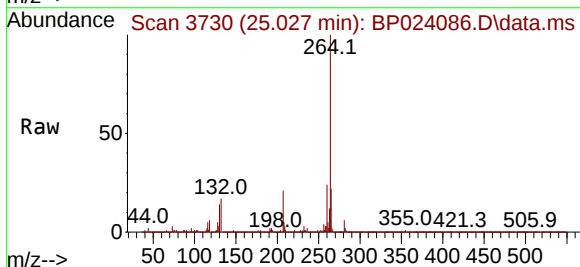
Tgt Ion:264 Resp: 1348776

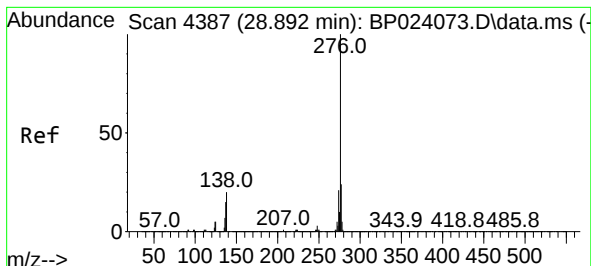
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.864 ng

RT: 28.850 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

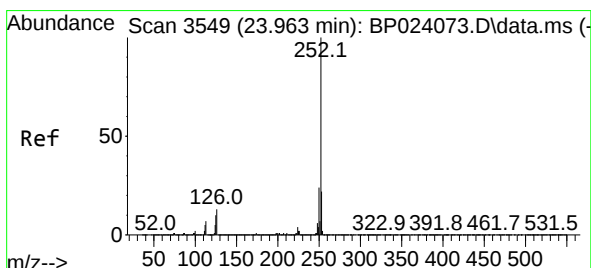
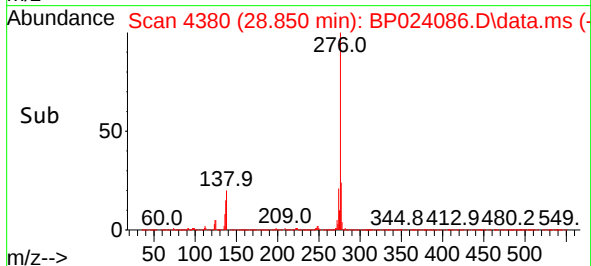
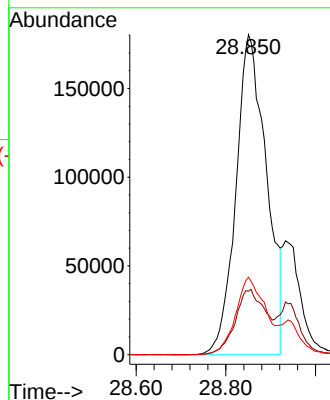
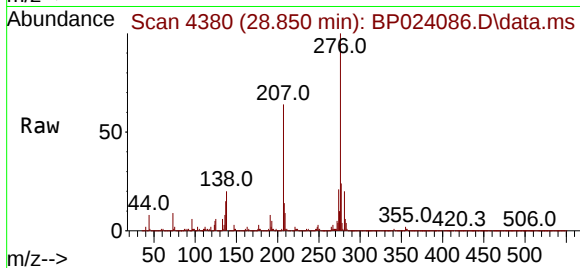
Tgt Ion:276 Resp: 850498

Ion Ratio Lower Upper

276 100

138 20.0 14.2 21.4

277 23.7 16.2 24.4



#88

Benzo(b)fluoranthene

Concen: 10.763 ng

RT: 23.945 min Scan# 3546

Delta R.T. -0.018 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

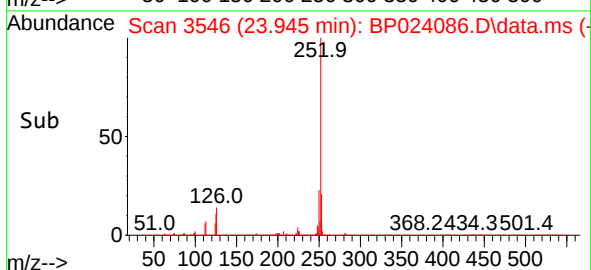
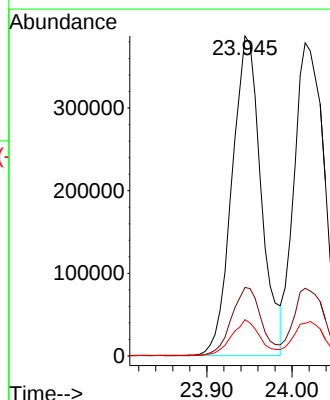
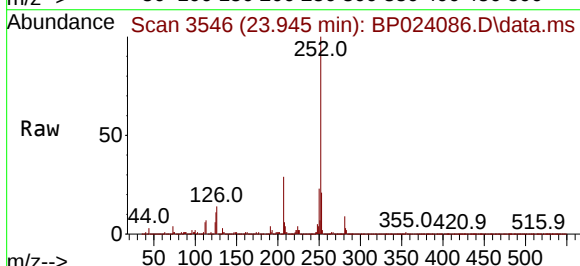
Tgt Ion:252 Resp: 921863

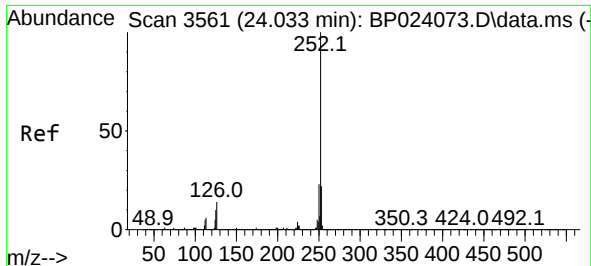
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 11.3 8.4 12.6

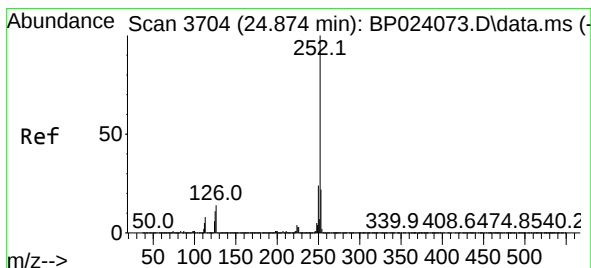
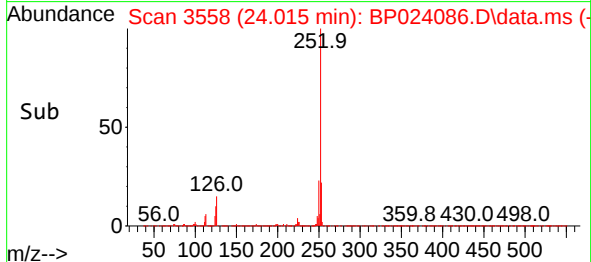
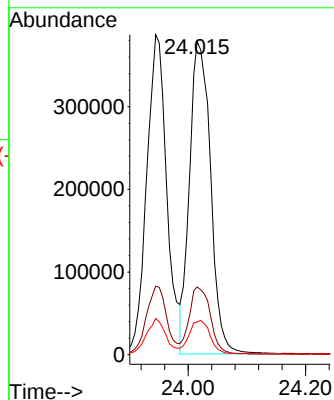
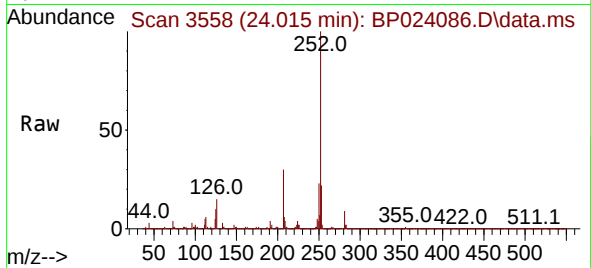




#89
Benzo(k)fluoranthene
Concen: 11.267 ng
RT: 24.015 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

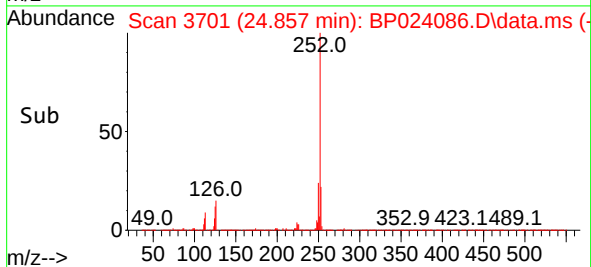
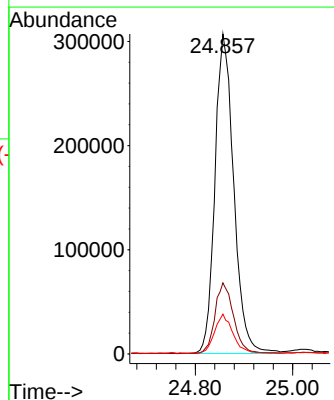
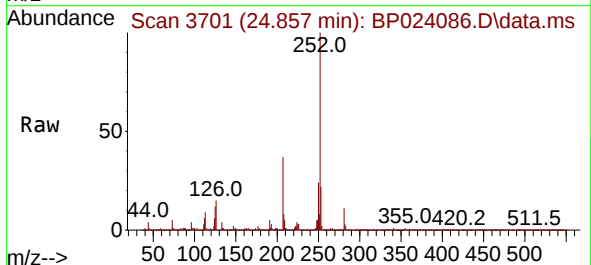
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

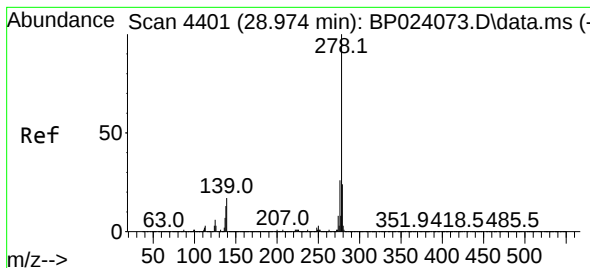
Tgt Ion:252 Resp: 939294
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 10.4 8.1 12.1



#90
Benzo(a)pyrene
Concen: 11.314 ng
RT: 24.857 min Scan# 3701
Delta R.T. -0.018 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:252 Resp: 822412
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 10.795 ng

RT: 28.945 min Scan# 41

Delta R.T. -0.030 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

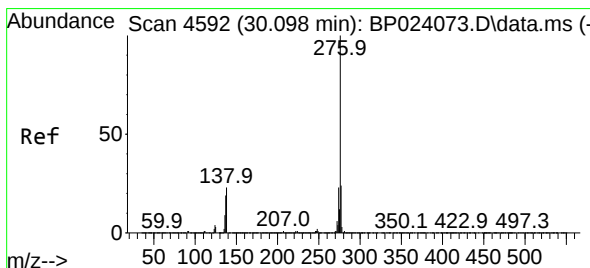
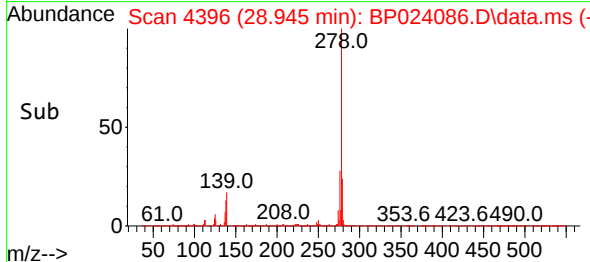
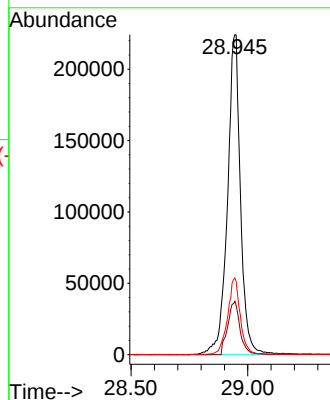
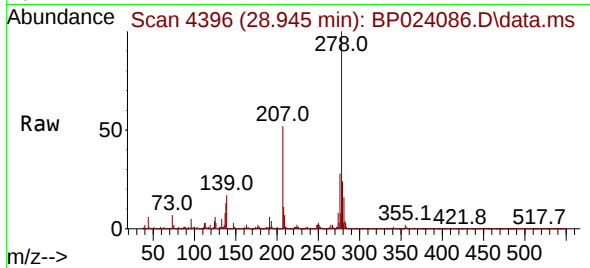
Tgt Ion:278 Resp: 870908

Ion Ratio Lower Upper

278 100

139 16.7 13.4 20.0

279 23.9 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 9.790 ng

RT: 30.021 min Scan# 4579

Delta R.T. -0.077 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Tgt Ion:276 Resp: 801500

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 21.6 18.1 27.1

