

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021500.D
 Acq On : 14 Aug 2024 14:56
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ng
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 14 16:03:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 16:01:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	378854	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1726153	20.000	ng	-0.01
39) Acenaphthene-d10	14.457	164	1225049	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2758152	20.000	ng	0.01
76) Chrysene-d12	21.704	240	2396526	20.000	ng	0.00
86) Perylene-d12	25.116	264	2074680	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	3515523	137.786	ng	0.00
7) Phenol-d6	6.964	99	5265335	141.466	ng	0.00
23) Nitrobenzene-d5	8.952	82	3529603	105.541	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	2117537	155.309	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	7453315	92.853	ng	0.00
79) Terphenyl-d14	19.981	244	12056804	97.738	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	136756	11.304	ng	100
3) Pyridine	3.705	79	355080	10.514	ng	99
4) n-Nitrosodimethylamine	3.617	42	119398	11.762	ng	# 99
6) Aniline	7.128	93	523602	14.072	ng	99
8) 2-Chlorophenol	7.369	128	279597	11.858	ng	99
9) Benzaldehyde	6.946	77	349191	14.653	ng	97
10) Phenol	6.987	94	452502	11.740	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	394806	12.106	ng	99
12) 1,3-Dichlorobenzene	7.693	146	308490	11.015	ng	98
13) 1,4-Dichlorobenzene	7.840	146	317693	11.233	ng	100
14) 1,2-Dichlorobenzene	8.158	146	305174	11.198	ng	98
15) Benzyl Alcohol	8.028	79	343346	12.857	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.322	45	386779	12.878	ng	99
17) 2-Methylphenol	8.234	107	287787	11.811	ng	99
18) Hexachloroethane	8.887	117	126517	11.156	ng	96
19) n-Nitroso-di-n-propyla...	8.599	70	344455	13.398	ng	99
20) 3+4-Methylphenols	8.558	107	393573	11.979	ng	99
22) Acetophenone	8.611	105	627257	11.828	ng	99
24) Nitrobenzene	8.993	77	449150	12.366	ng	100
25) Isophorone	9.510	82	996300	12.610	ng	100
26) 2-Nitrophenol	9.705	139	88354	15.288	ng	97
27) 2,4-Dimethylphenol	9.758	122	211881	10.867	ng	97
28) bis(2-Chloroethoxy)met...	9.999	93	581459	12.057	ng	100
29) 2,4-Dichlorophenol	10.228	162	266983	11.589	ng	98
30) 1,2,4-Trichlorobenzene	10.457	180	319934	10.832	ng	98
31) Naphthalene	10.640	128	1013576	11.240	ng	100
32) Benzoic acid	9.828	122	109780	9.295	ng	99
33) 4-Chloroaniline	10.740	127	438260	12.939	ng	99
34) Hexachlorobutadiene	10.934	225	193273	10.393	ng	98
35) Caprolactam	11.481	113	125580	13.096	ng	96
36) 4-Chloro-3-methylphenol	11.857	107	390061	12.206	ng	100
37) 2-Methylnaphthalene	12.252	142	720874	11.713	ng	99
38) 1-Methylnaphthalene	12.481	142	681108	11.221	ng	99
40) 1,2,4,5-Tetrachloroben...	12.622	216	401984	11.199	ng	100
41) Hexachlorocyclopentadiene	12.616	237	137408	12.079	ng	97
43) 2,4,6-Trichlorophenol	12.857	196	221432	11.106	ng	100

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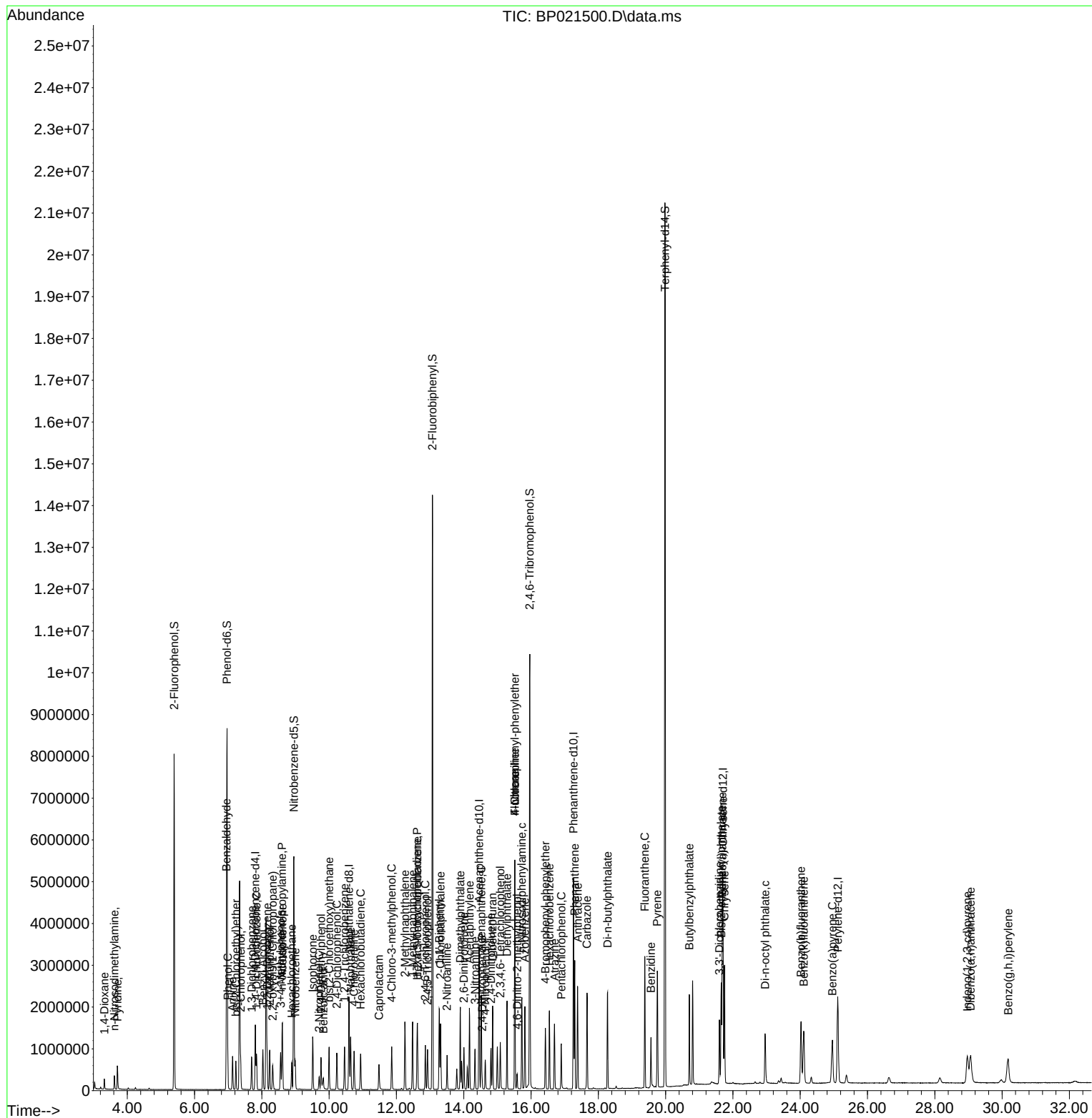
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	256668	11.586	ng	97
46) 1,1'-Biphenyl	13.275	154	1000426	11.542	ng	99
47) 2-Chloronaphthalene	13.310	162	756847	11.216	ng	99
48) 2-Nitroaniline	13.504	65	199376	12.708	ng	99
49) Acenaphthylene	14.169	152	1247845	12.580	ng	100
50) Dimethylphthalate	13.898	163	1015408	12.377	ng	99
51) 2,6-Dinitrotoluene	14.004	165	176911	13.787	ng	91
52) Acenaphthene	14.522	154	741356	11.390	ng	99
53) 3-Nitroaniline	14.334	138	184302	13.184	ng	92
54) 2,4-Dinitrophenol	14.546	184	45506	10.756	ng	# 83
55) Dibenzofuran	14.857	168	1197095	11.956	ng	98
56) 4-Nitrophenol	14.640	139	141408	11.846	ng	98
57) 2,4-Dinitrotoluene	14.810	165	213472	12.254	ng	99
58) Fluorene	15.516	166	983785	11.960	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.087	232	228937	12.176	ng	96
60) Diethylphthalate	15.287	149	1042027	12.379	ng	100
61) 4-Chlorophenyl-phenyle...	15.516	204	507063	11.926	ng	99
62) 4-Nitroaniline	15.516	138	194825	13.180	ng	98
63) Azobenzene	15.816	77	1346702	13.015	ng	98
65) 4,6-Dinitro-2-methylph...	15.587	198	69769	9.307	ng	98
66) n-Nitrosodiphenylamine	15.728	169	865985	11.716	ng	99
67) 4-Bromophenyl-phenylether	16.428	248	304385	10.427	ng	97
68) Hexachlorobenzene	16.545	284	379497	11.001	ng	99
69) Atrazine	16.698	200	319618	12.595	ng	99
70) Pentachlorophenol	16.898	266	184723	9.811	ng	98
71) Phenanthrene	17.298	178	1562173	11.777	ng	100
72) Anthracene	17.387	178	1529278	11.756	ng	99
73) Carbazole	17.663	167	1460363	11.649	ng	100
74) Di-n-butylphthalate	18.275	149	1766411	11.473	ng	99
75) Fluoranthene	19.381	202	1850471	11.370	ng	99
77) Benzidine	19.563	184	690293	13.730	ng	98
78) Pyrene	19.751	202	1920613	12.261	ng	99
80) Butylbenzylphthalate	20.704	149	575800	10.990	ng	98
81) Benzo(a)anthracene	21.680	228	1784515	11.862	ng	99
82) 3,3'-Dichlorobenzidine	21.598	252	558870	11.586	ng	99
83) Chrysene	21.751	228	1650227	11.618	ng	99
84) Bis(2-ethylhexyl)phtha...	21.651	149	934397	10.508	ng	99
85) Di-n-octyl phthalate	22.957	149	1162330	11.528	ng	98
87) Indeno(1,2,3-cd)pyrene	28.968	276	1355109	10.076	ng	97
88) Benzo(b)fluoranthene	24.021	252	1430412	12.005	ng	100
89) Benzo(k)fluoranthene	24.104	252	1420351	12.220	ng	99
90) Benzo(a)pyrene	24.957	252	1219567	11.794	ng	98
91) Dibenzo(a,h)anthracene	29.068	278	1128497	10.099	ng	100
92) Benzo(g,h,i)perylene	30.186	276	1054044	9.411	ng	99

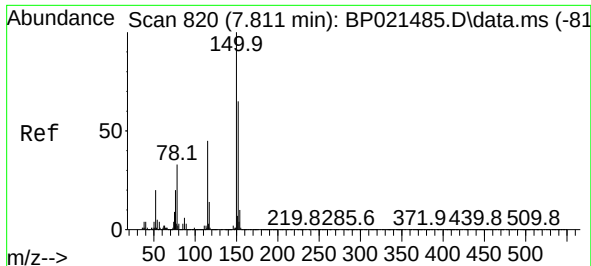
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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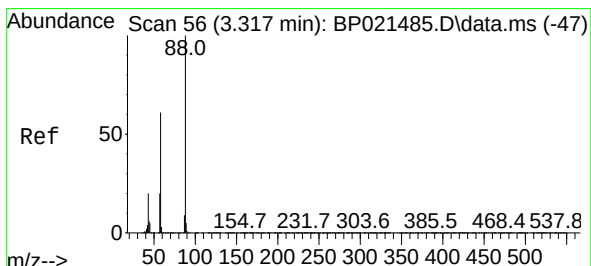
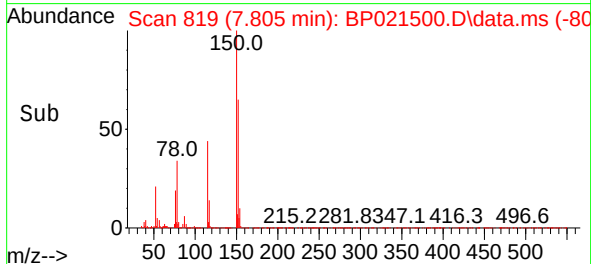
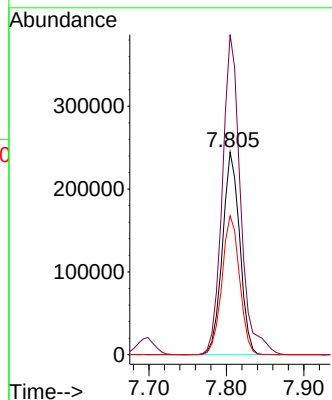
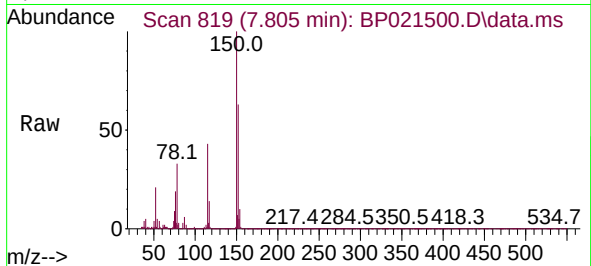




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

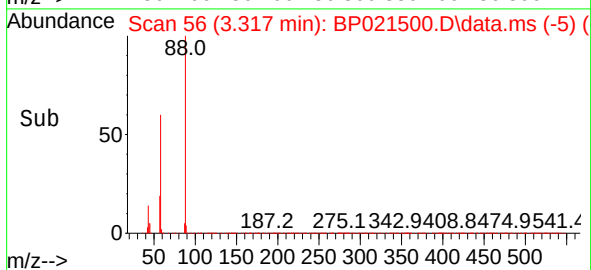
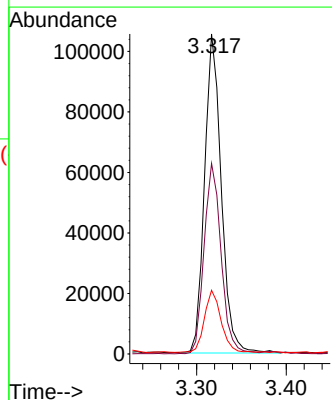
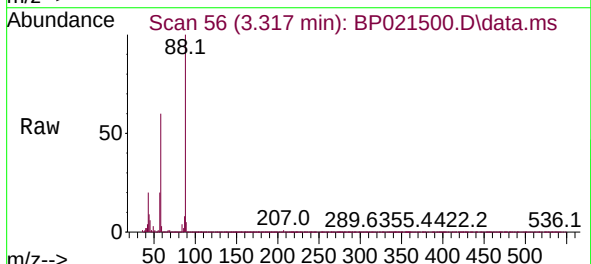
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

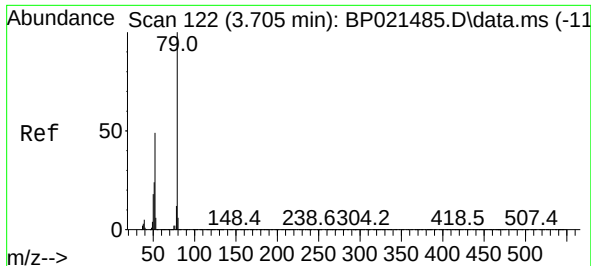
Tgt Ion:152 Resp: 378854
Ion Ratio Lower Upper
152 100
150 158.0 122.4 183.6
115 68.6 54.7 82.1



#2
1,4-Dioxane
Concen: 11.304 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 88 Resp: 136756
Ion Ratio Lower Upper
88 100
58 60.7 48.7 73.1
43 19.6 15.4 23.2

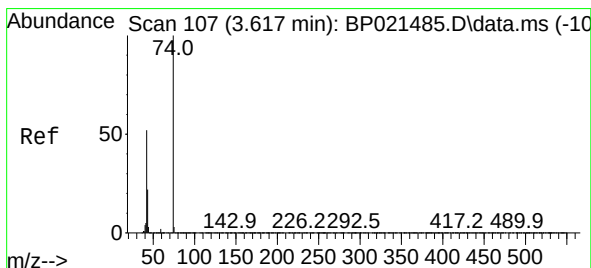
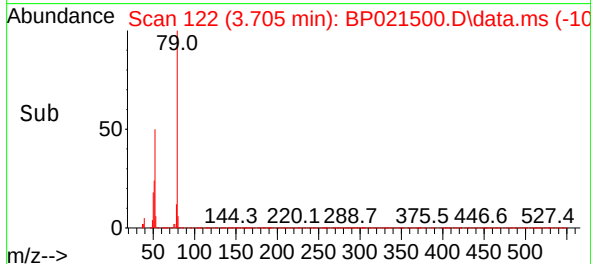
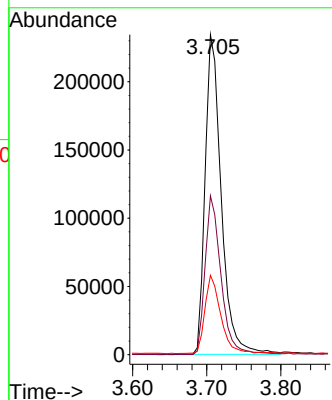
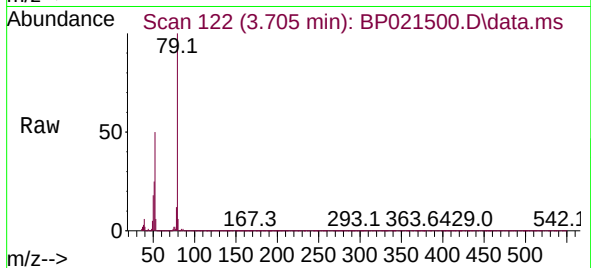




#3
Pyridine
Concen: 10.514 ng
RT: 3.705 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

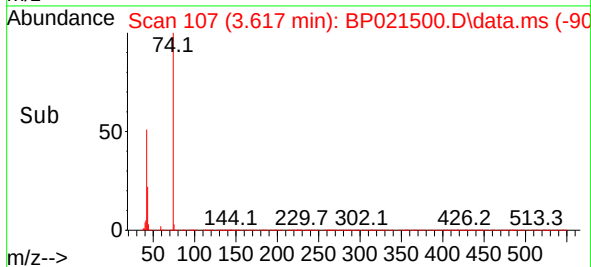
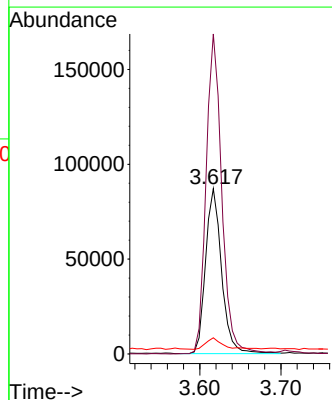
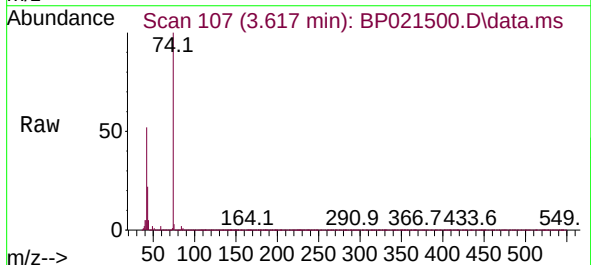
Instrument :
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ClientSampleId :
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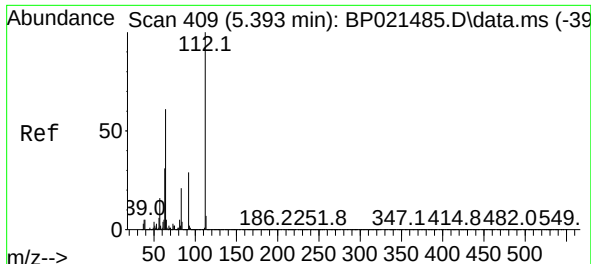
Tgt Ion: 79 Resp: 355080
Ion Ratio Lower Upper
79 100
52 49.7 39.0 58.6
51 24.8 19.2 28.8



#4
n-Nitrosodimethylamine
Concen: 11.762 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 42 Resp: 119398
Ion Ratio Lower Upper
42 100
74 193.6 154.3 231.5
44 9.8 6.2 9.4#

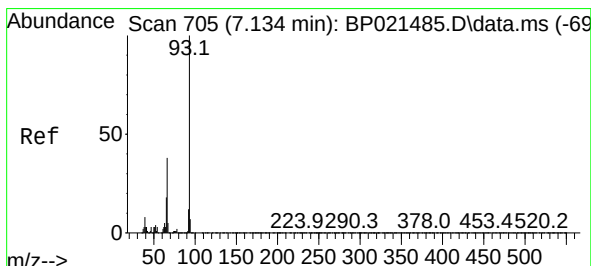
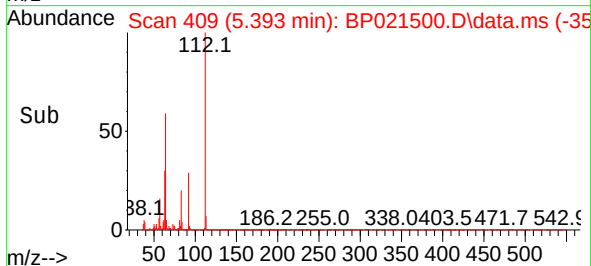
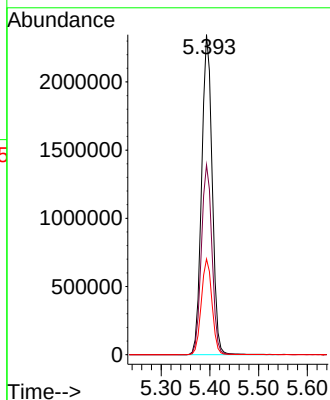
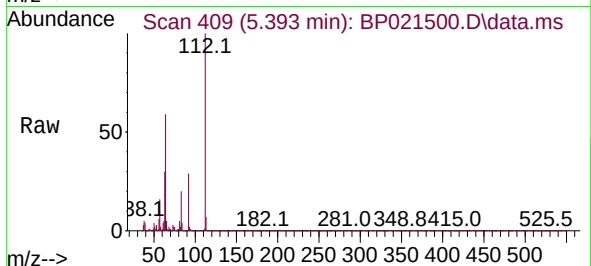




#5
2-Fluorophenol
Concen: 137.786 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

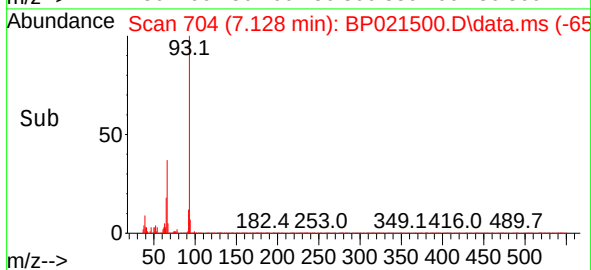
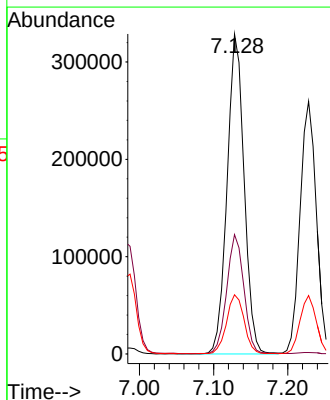
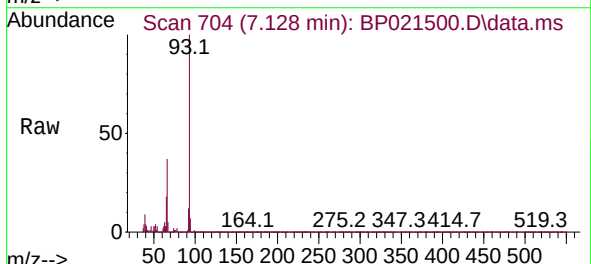
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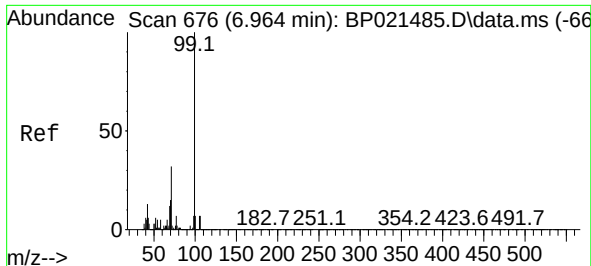
Tgt Ion:112 Resp: 3515523
Ion Ratio Lower Upper
112 100
64 59.3 49.0 73.6
63 29.9 24.6 36.8



#6
Aniline
Concen: 14.072 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 93 Resp: 523602
Ion Ratio Lower Upper
93 100
66 37.3 30.2 45.2
65 18.5 14.7 22.1

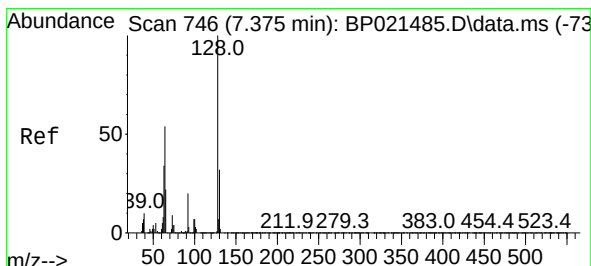
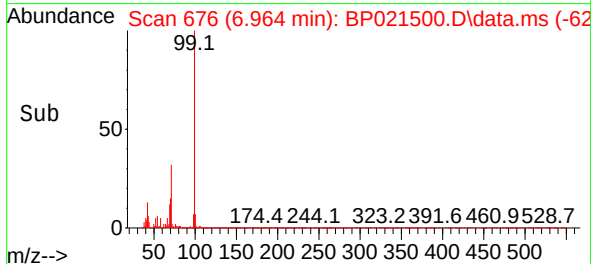
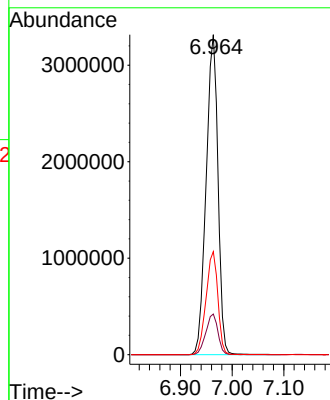
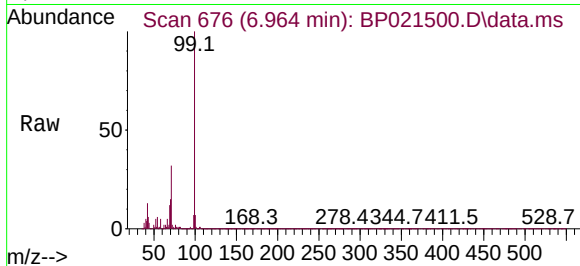




#7
Phenol-d6
Concen: 141.466 ng
RT: 6.964 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

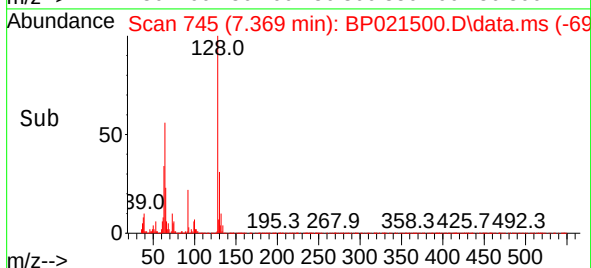
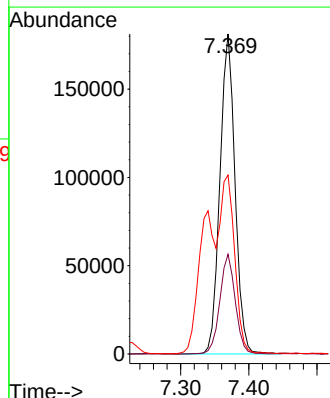
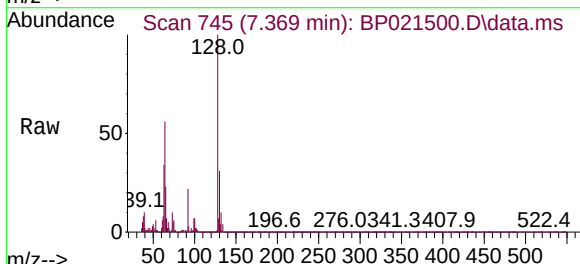
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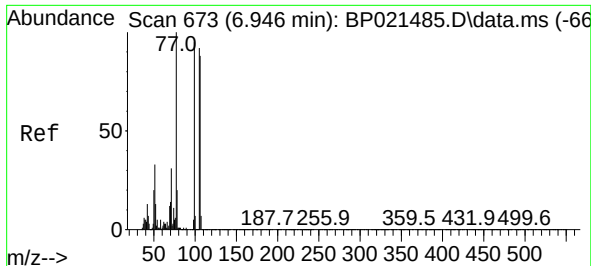
Tgt Ion: 99 Resp: 5265335
Ion Ratio Lower Upper
99 100
42 12.7 10.2 15.4
71 32.2 25.8 38.8



#8
2-Chlorophenol
Concen: 11.858 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 128 Resp: 279597
Ion Ratio Lower Upper
128 100
130 31.2 11.6 51.6
64 55.9 35.3 75.3





#9

Benzaldehyde

Concen: 14.653 ng

RT: 6.946 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

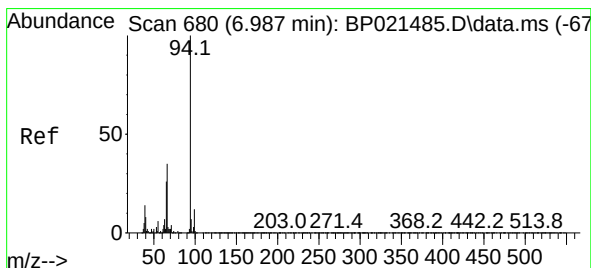
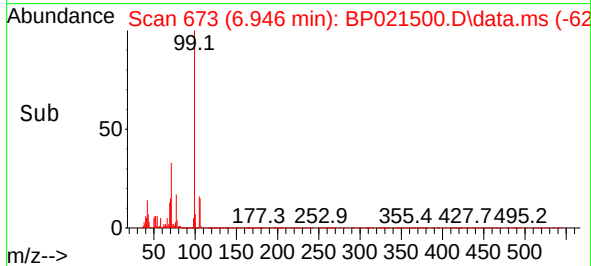
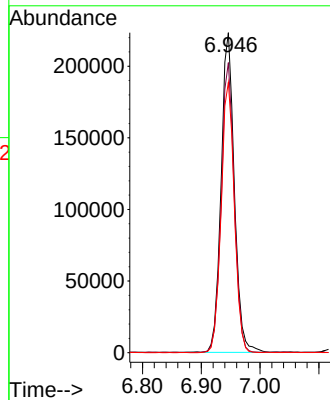
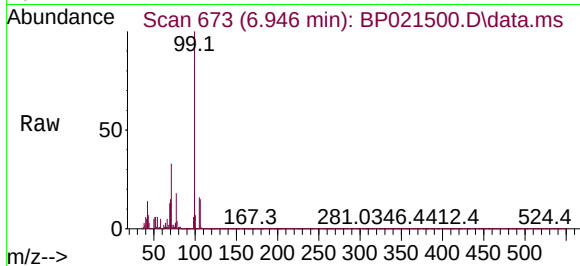
Tgt Ion: 77 Resp: 349191

Ion Ratio Lower Upper

77 100

105 90.6 72.1 112.1

106 84.4 67.9 107.9



#10

Phenol

Concen: 11.740 ng

RT: 6.987 min Scan# 680

Delta R.T. 0.000 min

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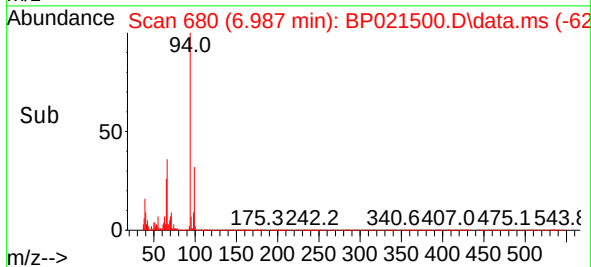
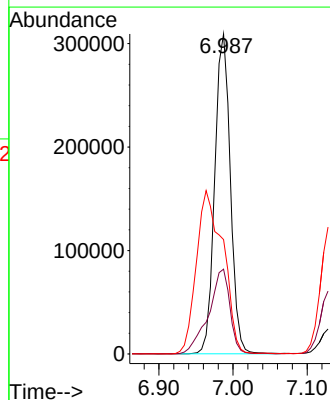
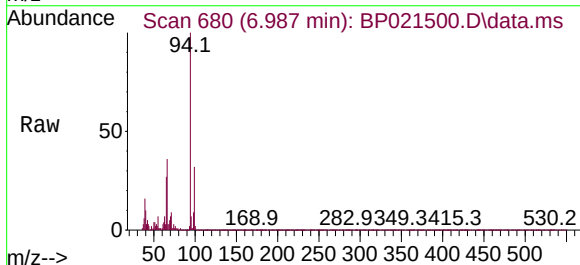
Tgt Ion: 94 Resp: 452502

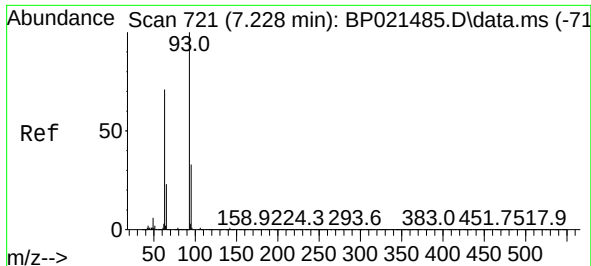
Ion Ratio Lower Upper

94 100

65 26.5 6.5 46.5

66 35.8 14.7 54.7

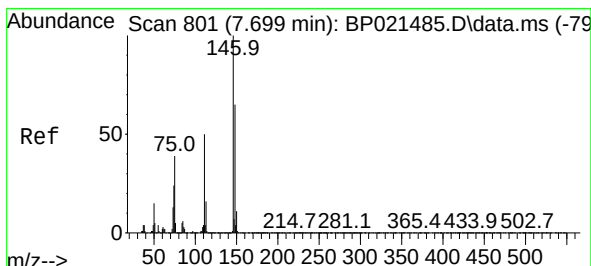
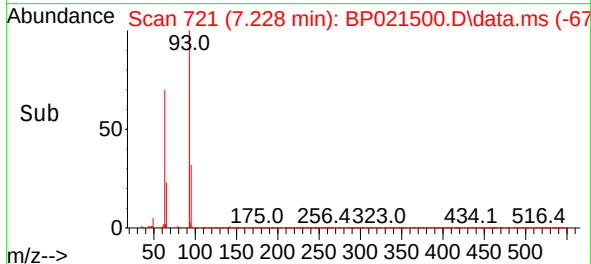
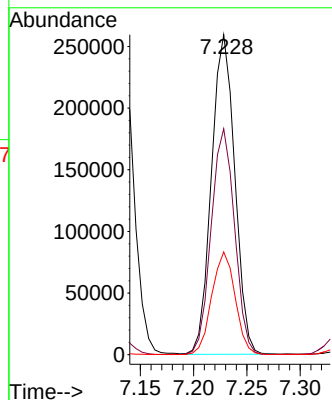
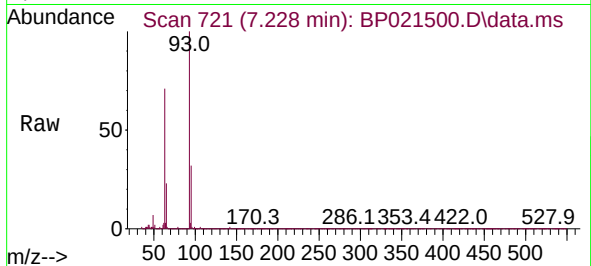




#11
bis(2-Chloroethyl)ether
Concen: 12.106 ng
RT: 7.228 min Scan# 721
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

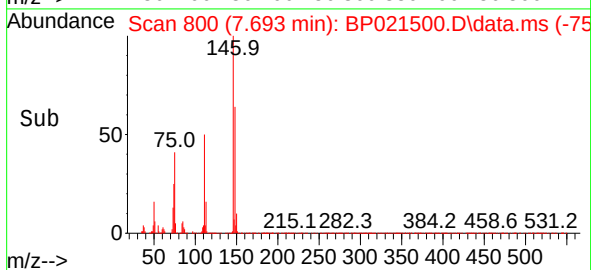
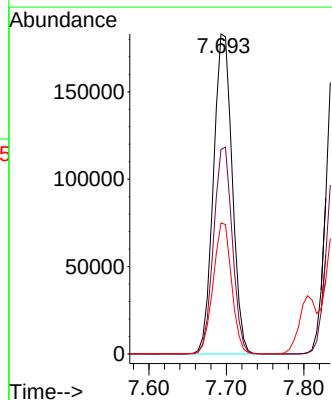
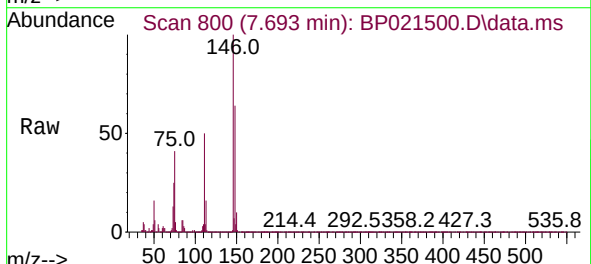
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

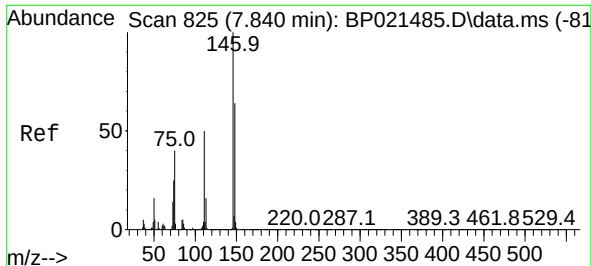
Tgt Ion: 93 Resp: 394806
Ion Ratio Lower Upper
93 100
63 70.6 51.0 91.0
95 32.1 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 11.015 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 146 Resp: 308490
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
75 41.0 31.3 46.9

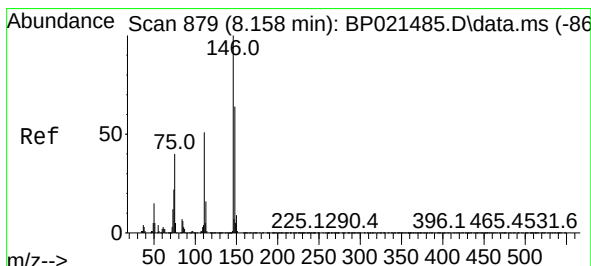
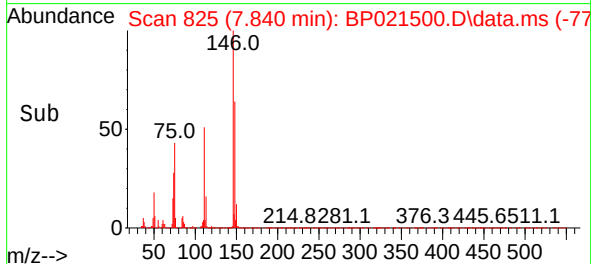
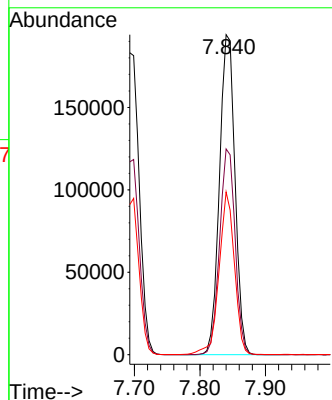
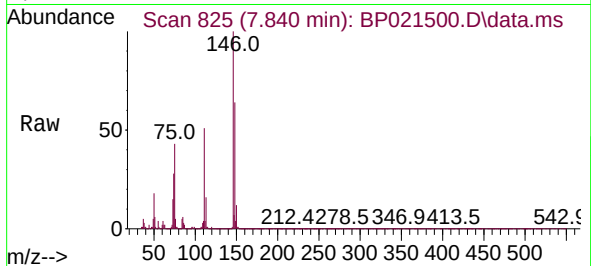




#13
1,4-Dichlorobenzene
Concen: 11.233 ng
RT: 7.840 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

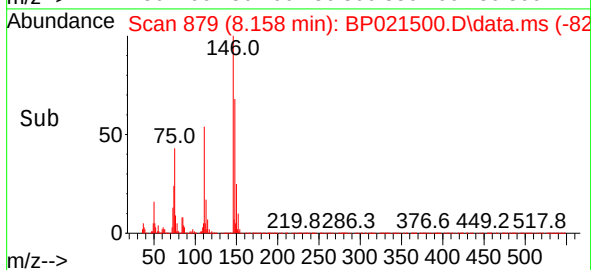
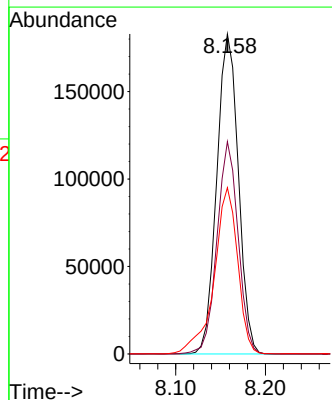
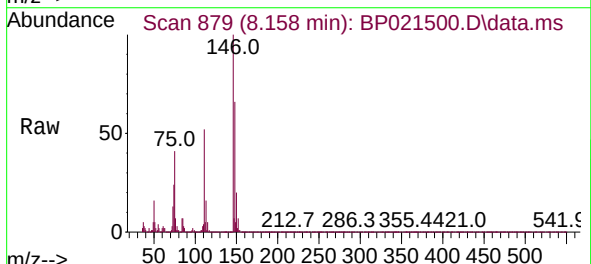
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

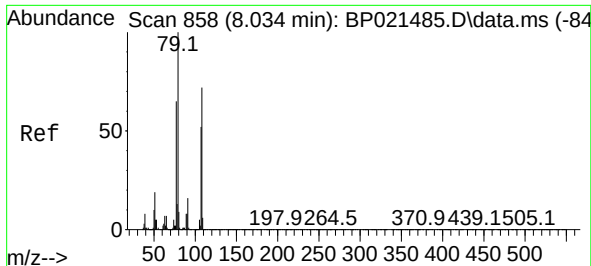
Tgt Ion:146 Resp: 317693
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
111 50.9 40.3 60.5



#14
1,2-Dichlorobenzene
Concen: 11.198 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:146 Resp: 305174
Ion Ratio Lower Upper
146 100
148 66.4 51.5 77.3
111 52.0 41.1 61.7

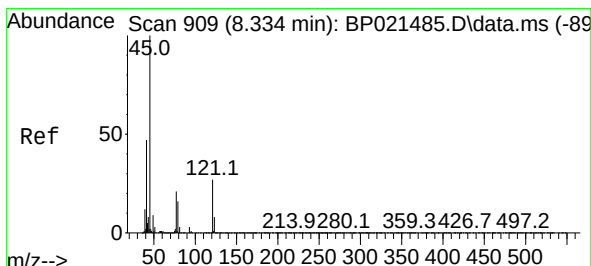
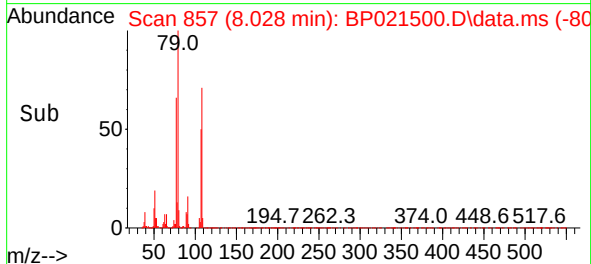
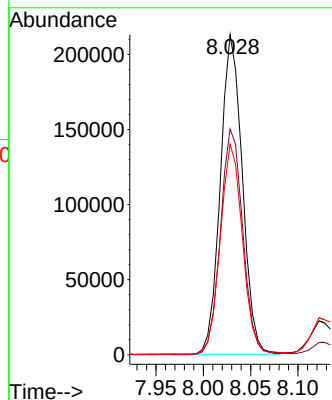
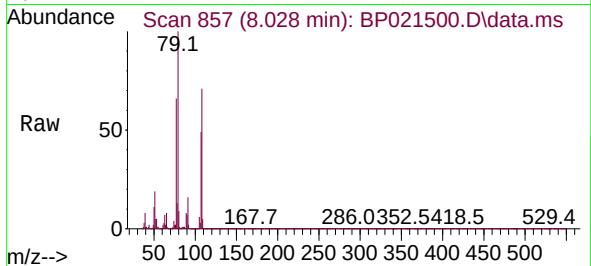




#15
Benzyl Alcohol
Concen: 12.857 ng
RT: 8.028 min Scan# 857
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

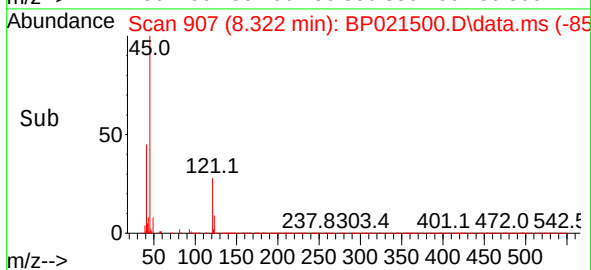
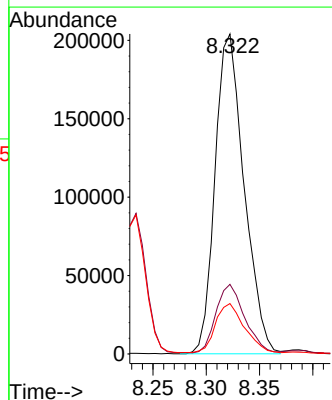
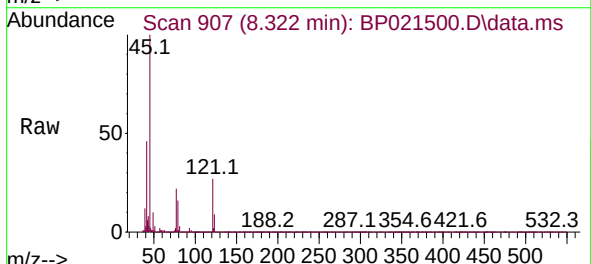
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

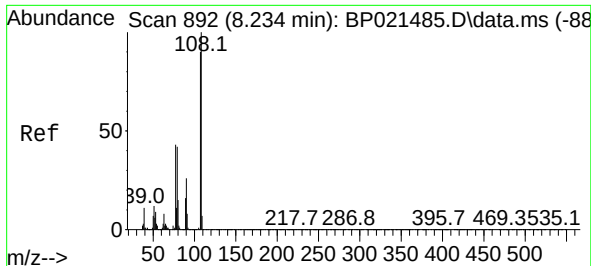
Tgt Ion: 79 Resp: 343346
Ion Ratio Lower Upper
79 100
108 70.5 57.9 86.9
77 65.8 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.878 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 45 Resp: 386779
Ion Ratio Lower Upper
45 100
77 21.7 1.9 41.9
79 15.8 0.0 36.6

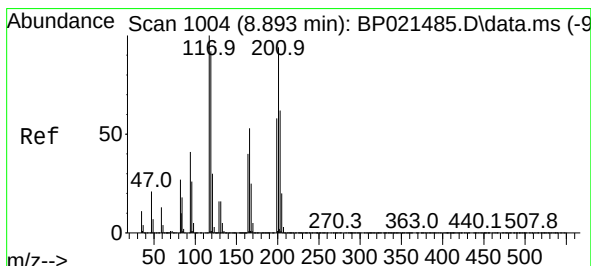
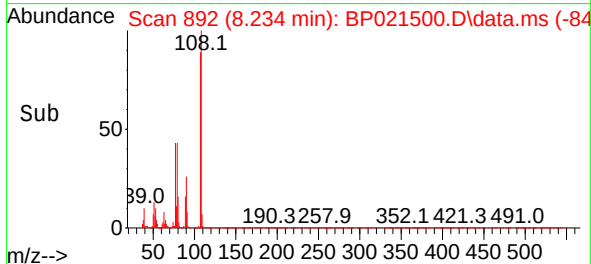
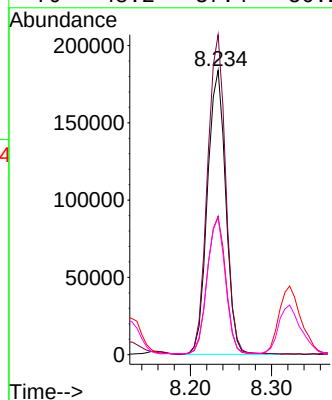
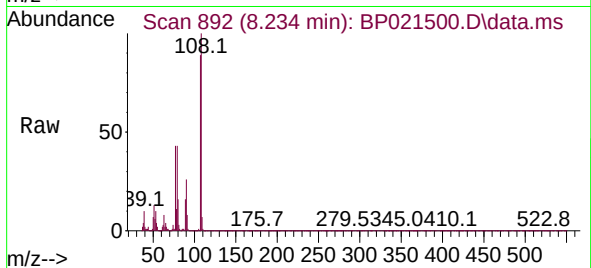




#17
2-Methylphenol
Concen: 11.811 ng
RT: 8.234 min Scan# 892
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

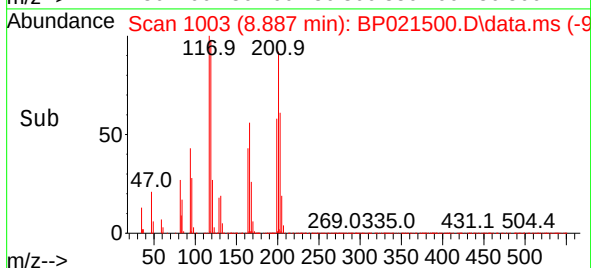
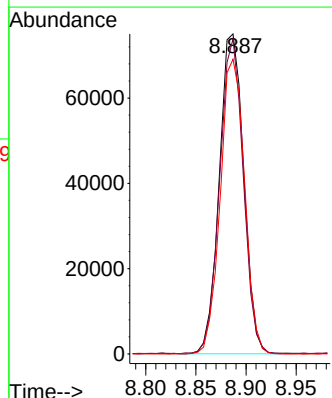
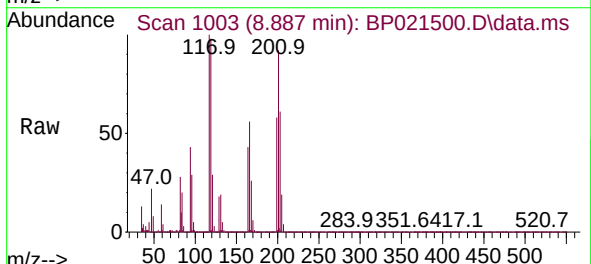
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

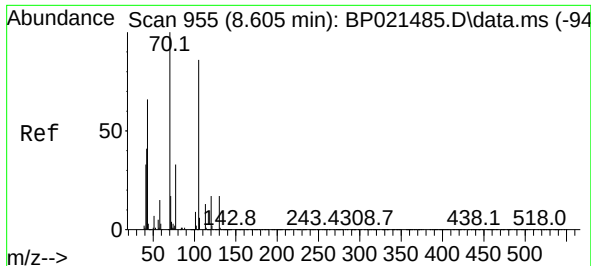
Tgt Ion:	107	Resp:	287787
Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.8	133.2
77	48.7	38.7	58.1
79	48.2	37.4	56.2



#18
Hexachloroethane
Concen: 11.156 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:	117	Resp:	126517
Ion	Ratio	Lower	Upper
117	100		
119	98.5	73.9	110.9
201	92.1	74.9	112.3





#19

n-Nitroso-di-n-propylamine

Concen: 13.398 ng

RT: 8.599 min Scan# 955

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 70 Resp: 344455

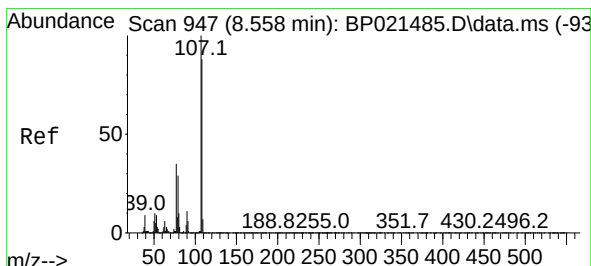
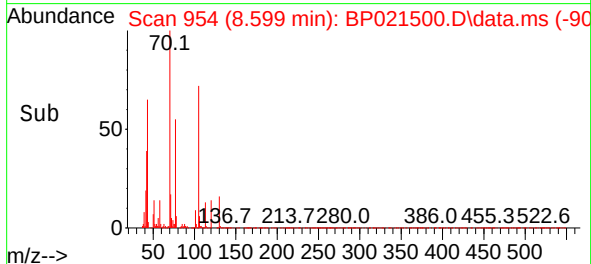
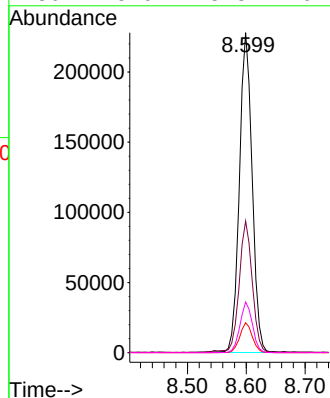
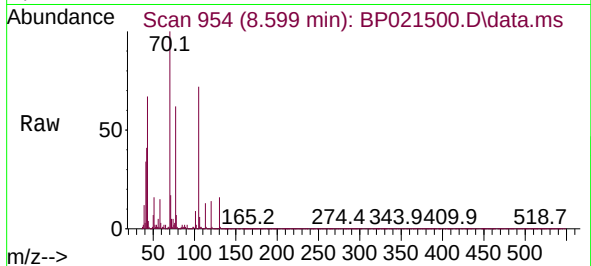
Ion Ratio Lower Upper

70 100

42 41.1 33.1 49.7

101 9.3 7.4 11.2

130 15.9 13.3 19.9



#20

3+4-Methylphenols

Concen: 11.979 ng

RT: 8.558 min Scan# 947

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Tgt Ion: 107 Resp: 393573

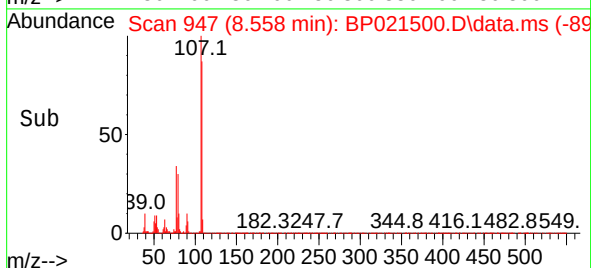
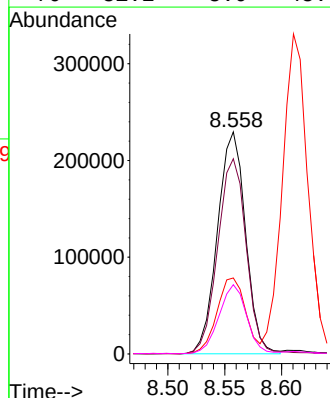
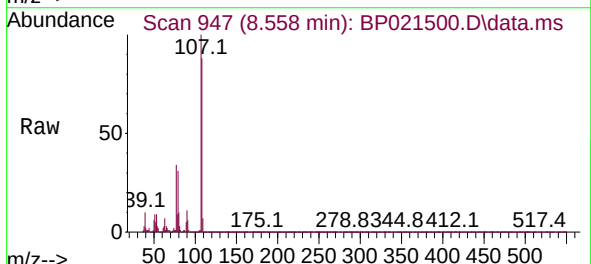
Ion Ratio Lower Upper

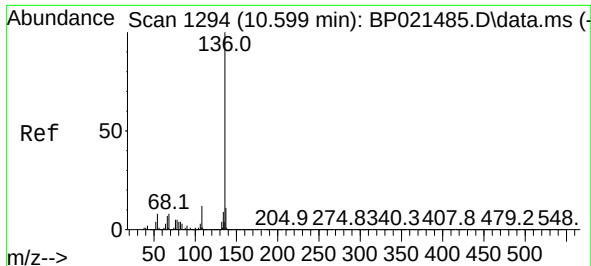
107 100

108 87.8 67.6 107.6

77 34.2 15.0 55.0

79 31.2 8.9 48.9



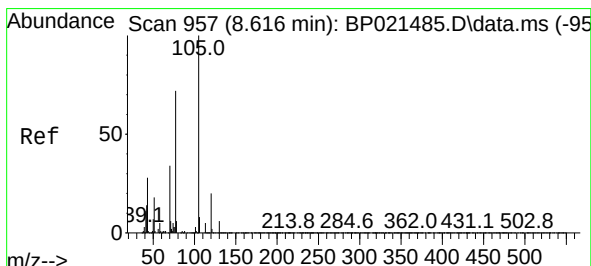
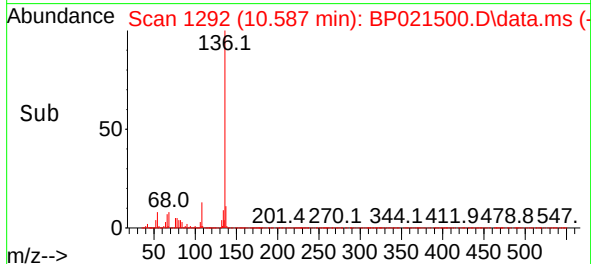
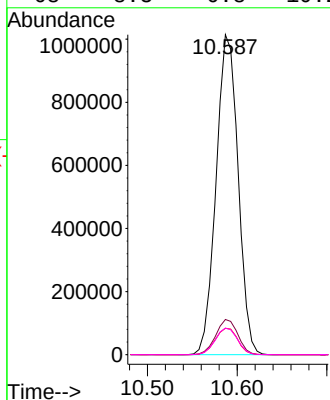
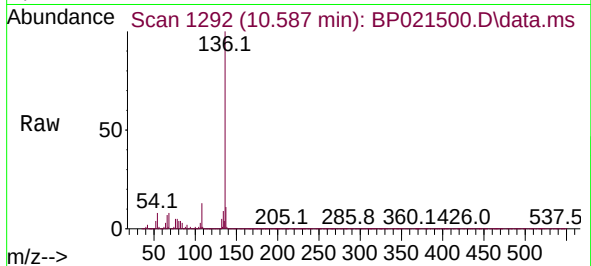


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 1726153

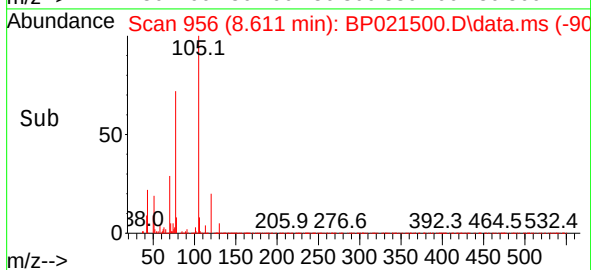
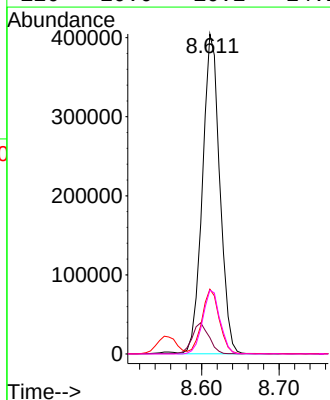
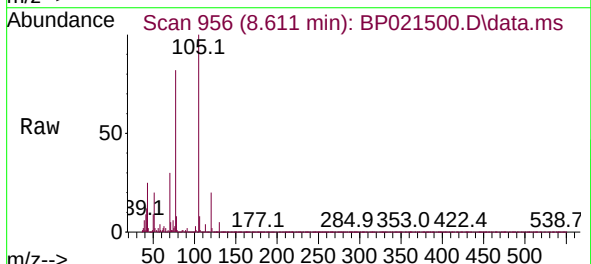
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.3	9.5
68	8.3	6.8	10.2

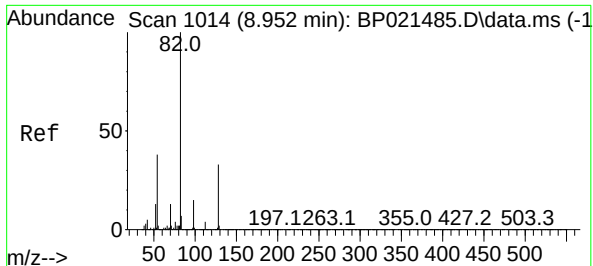


#22
Acetophenone
Concen: 11.828 ng
RT: 8.611 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:105 Resp: 627257

Ion	Ratio	Lower	Upper
105	100		
71	5.1	4.6	7.0
51	20.2	16.3	24.5
120	20.0	16.2	24.2





#23

Nitrobenzene-d5

Concen: 105.541 ng

RT: 8.952 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

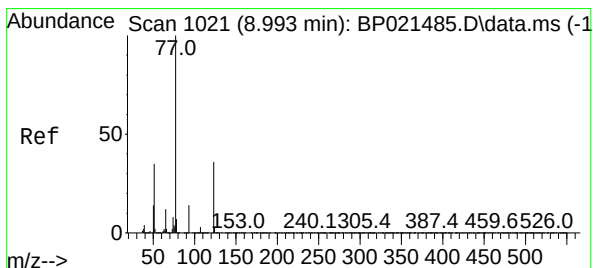
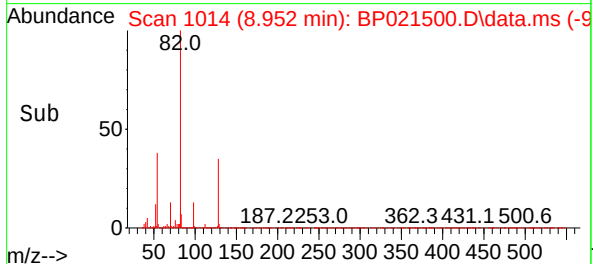
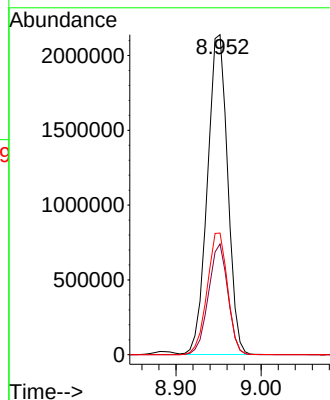
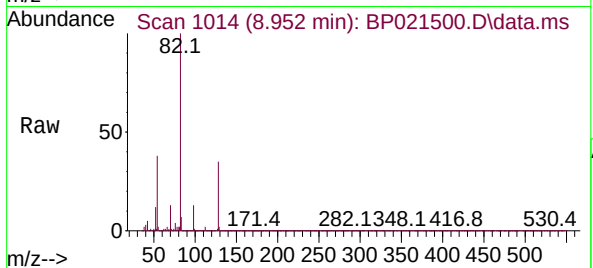
Tgt Ion: 82 Resp: 3529603

Ion Ratio Lower Upper

82 100

128 34.6 26.5 39.7

54 38.0 30.3 45.5



#24

Nitrobenzene

Concen: 12.366 ng

RT: 8.993 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

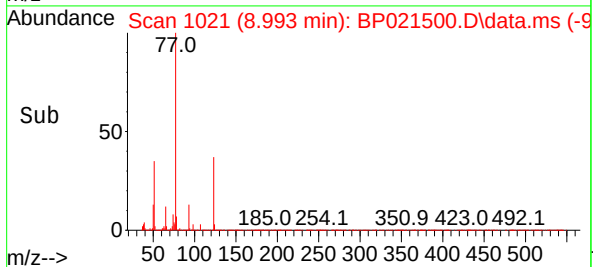
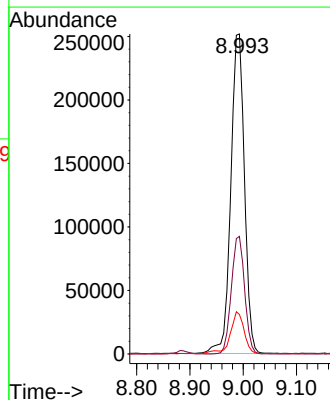
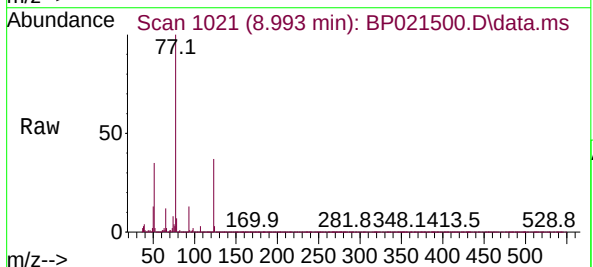
Tgt Ion: 77 Resp: 449150

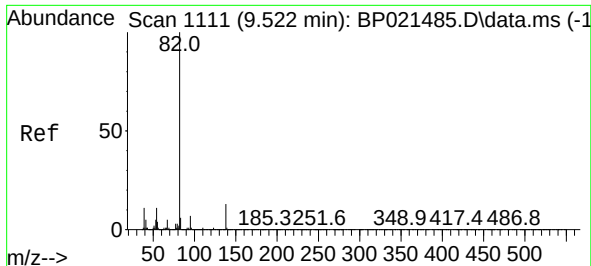
Ion Ratio Lower Upper

77 100

123 36.7 29.5 44.3

65 12.3 9.9 14.9

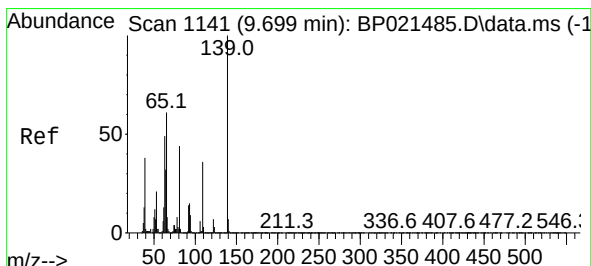
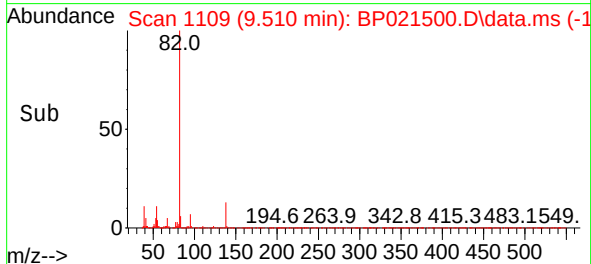
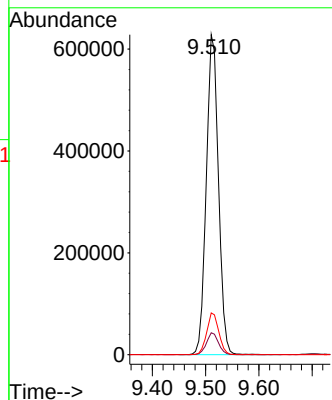
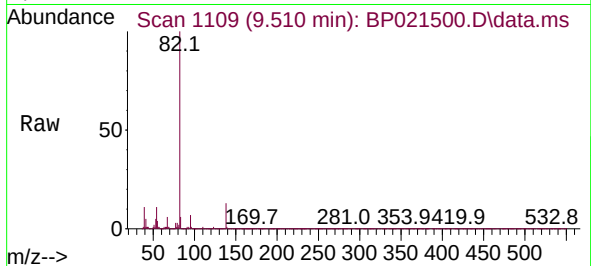




#25
Isophorone
Concen: 12.610 ng
RT: 9.510 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

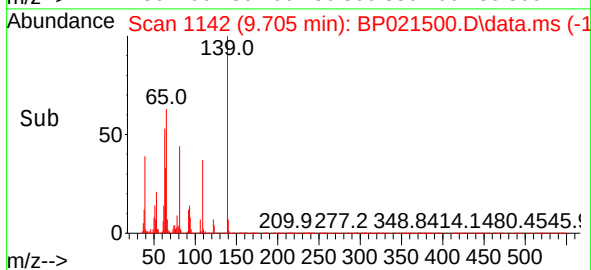
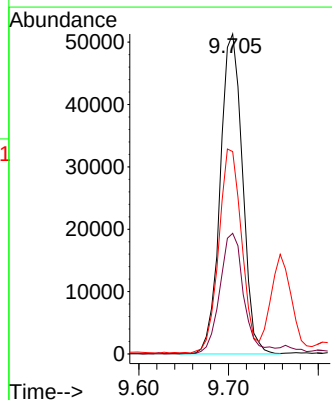
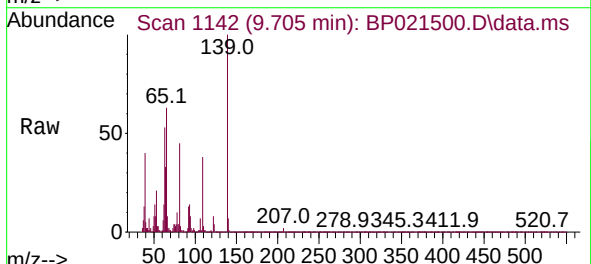
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

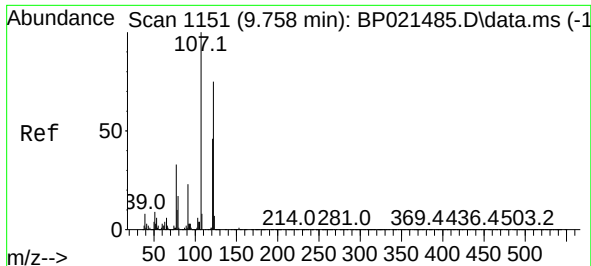
Tgt Ion: 82 Resp: 996300
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 13.0 10.6 16.0



#26
2-Nitrophenol
Concen: 15.288 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:139 Resp: 88354
Ion Ratio Lower Upper
139 100
109 37.7 28.9 43.3
65 63.2 49.0 73.6

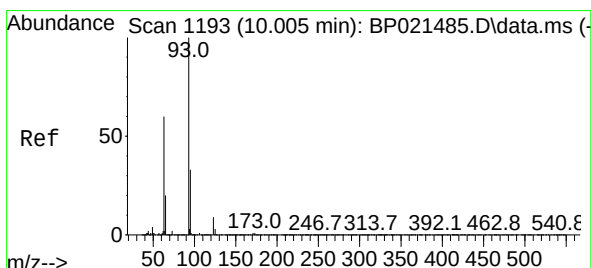
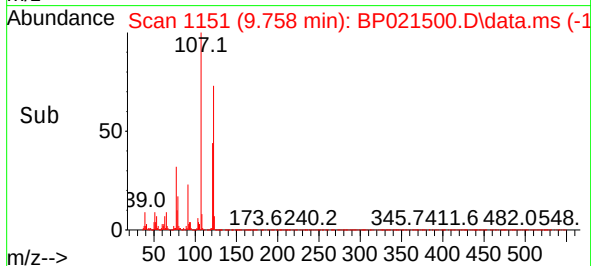
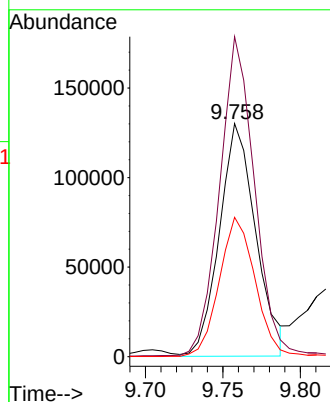
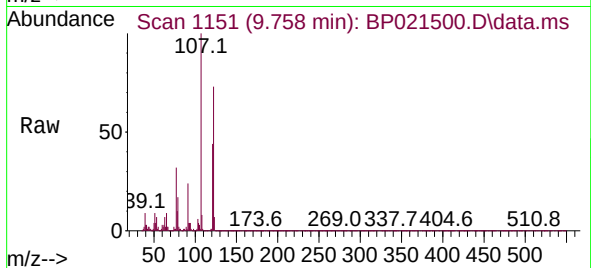




#27
2,4-Dimethylphenol
Concen: 10.867 ng
RT: 9.758 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

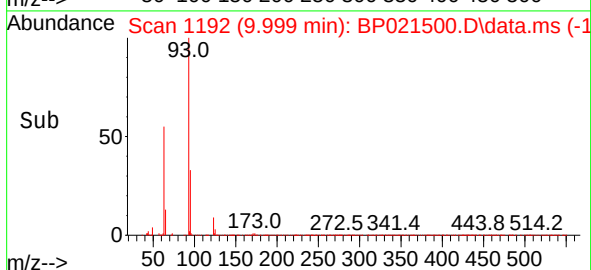
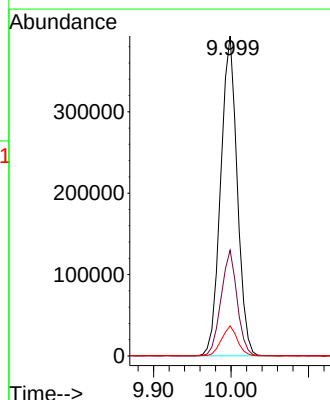
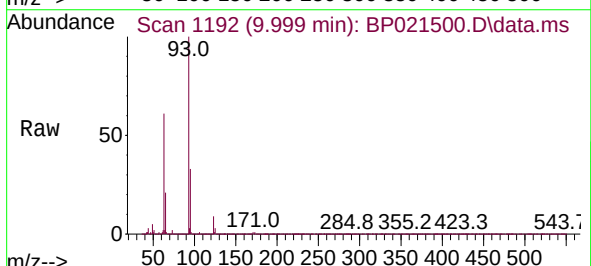
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

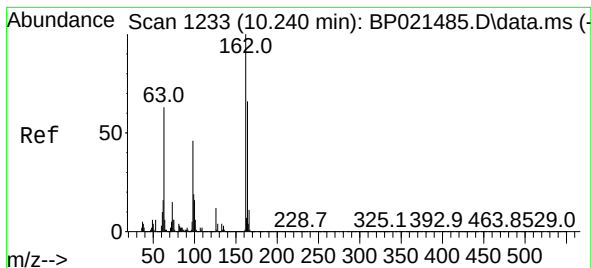
Tgt Ion:122 Resp: 211881
Ion Ratio Lower Upper
122 100
107 137.2 106.2 159.4
121 59.8 48.8 73.2



#28
bis(2-Chloroethoxy)methane
Concen: 12.057 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 93 Resp: 581459
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 9.4 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 11.589 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

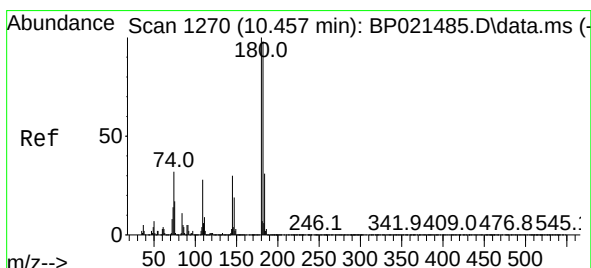
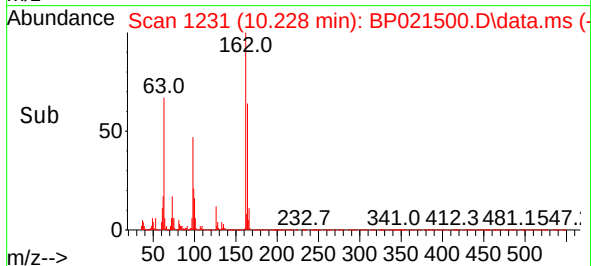
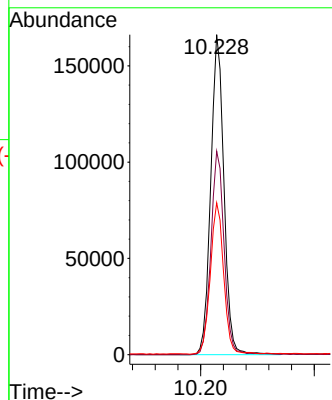
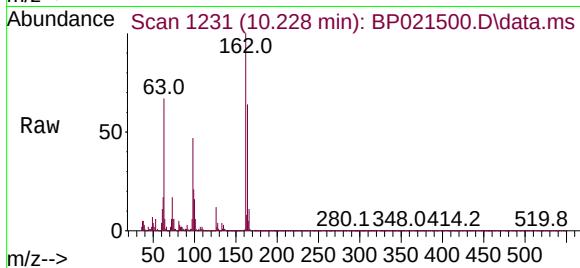
Tgt Ion:162 Resp: 266983

Ion Ratio Lower Upper

162 100

164 63.6 45.9 85.9

98 47.5 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 10.832 ng

RT: 10.457 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

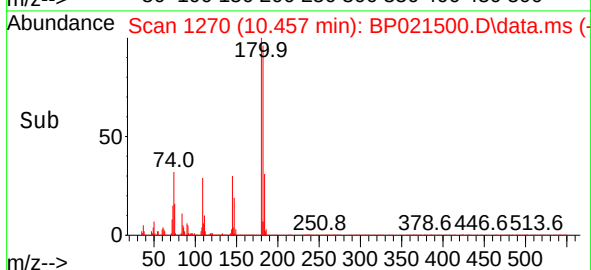
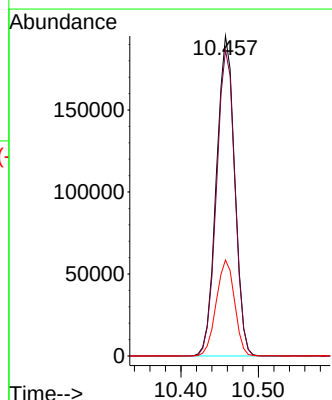
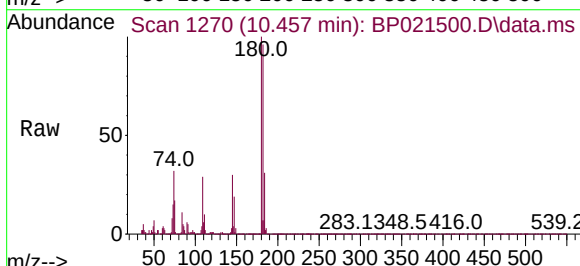
Tgt Ion:180 Resp: 319934

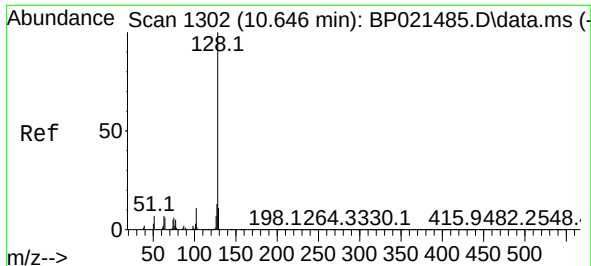
Ion Ratio Lower Upper

180 100

182 95.5 78.3 117.5

145 30.0 24.0 36.0

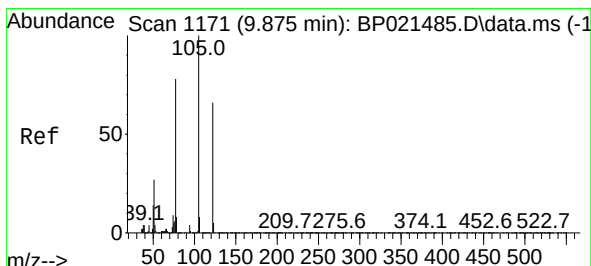
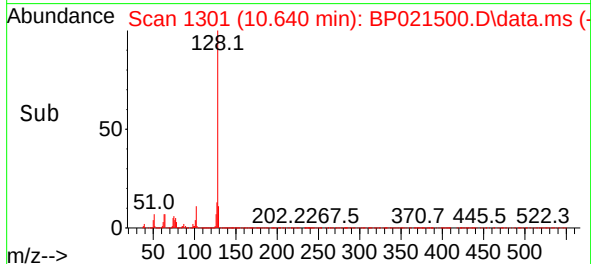
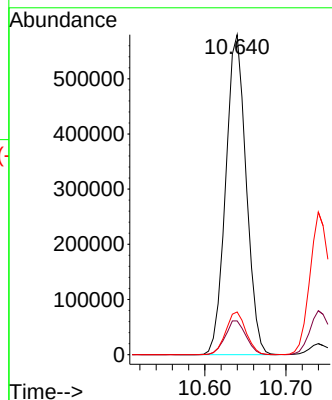
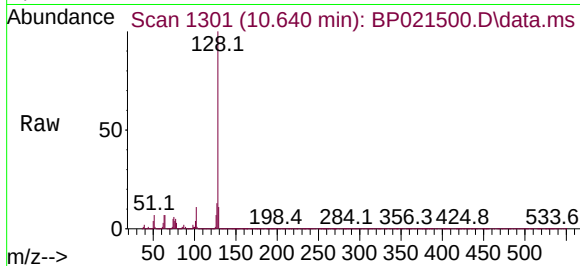




#31
Naphthalene
Concen: 11.240 ng
RT: 10.640 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

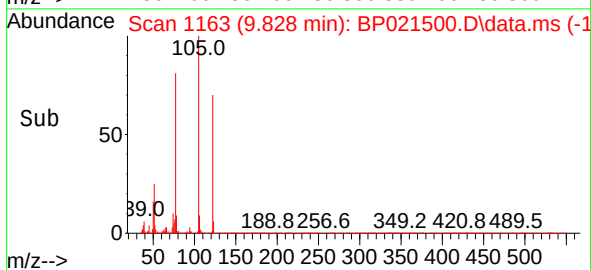
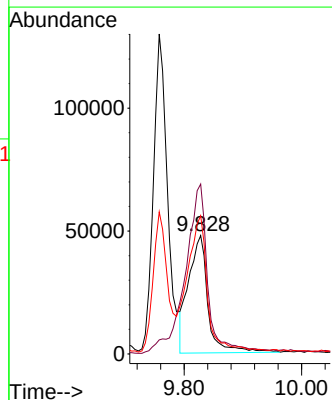
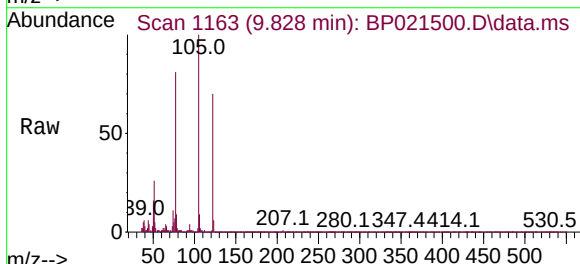
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

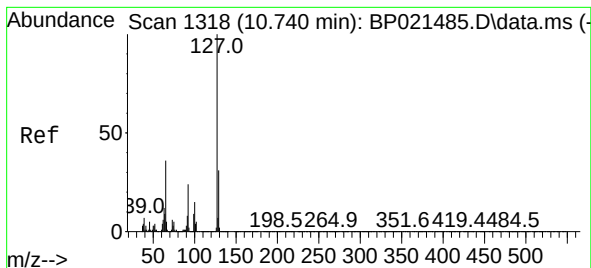
Tgt Ion:128 Resp: 1013576
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 9.295 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:122 Resp: 109780
Ion Ratio Lower Upper
122 100
105 143.4 124.6 164.6
77 116.8 96.2 136.2





#33

4-Chloroaniline

Concen: 12.939 ng

RT: 10.740 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 438260

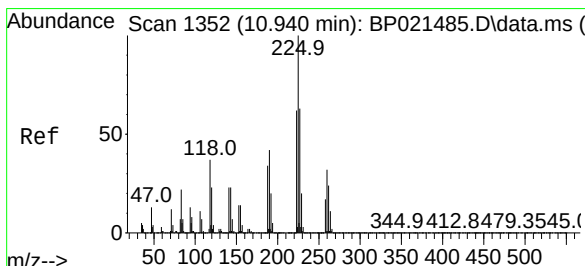
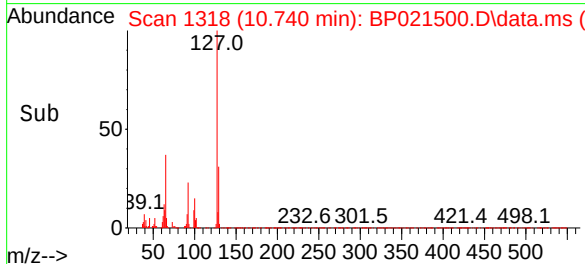
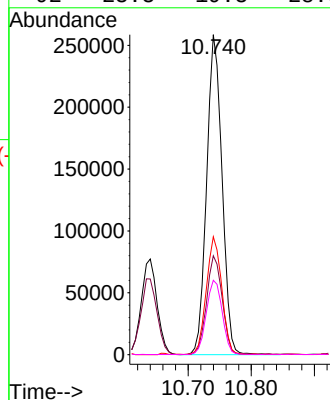
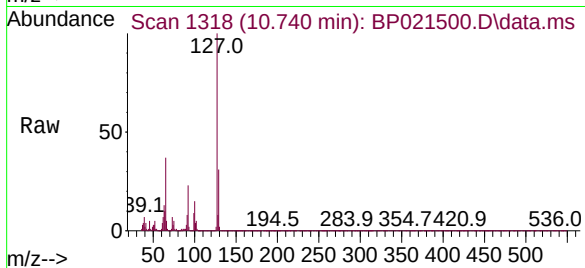
Ion Ratio Lower Upper

127 100

129 30.9 24.5 36.7

65 36.9 28.9 43.3

92 23.3 19.3 28.9



#34

Hexachlorobutadiene

Concen: 10.393 ng

RT: 10.934 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

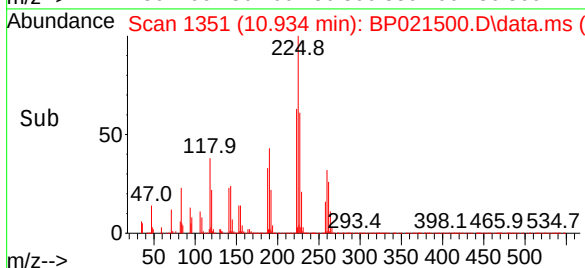
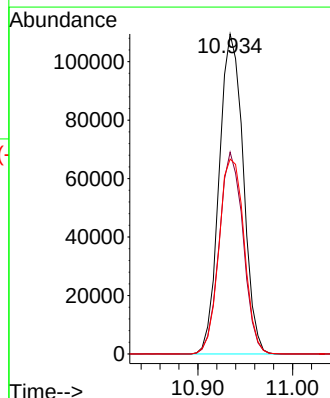
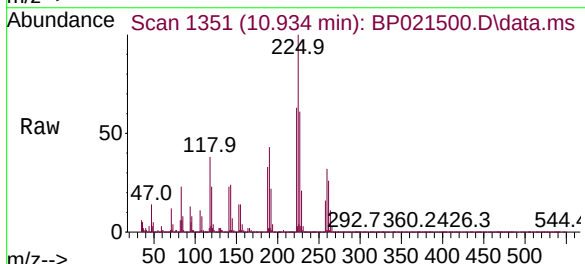
Tgt Ion:225 Resp: 193273

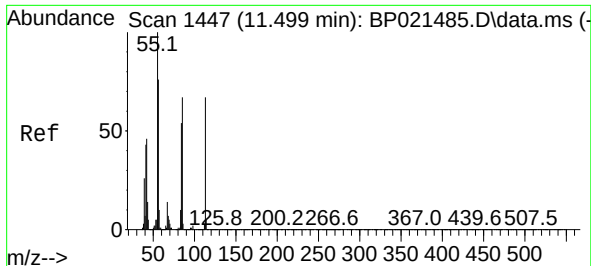
Ion Ratio Lower Upper

225 100

223 63.1 49.6 74.4

227 60.9 50.1 75.1

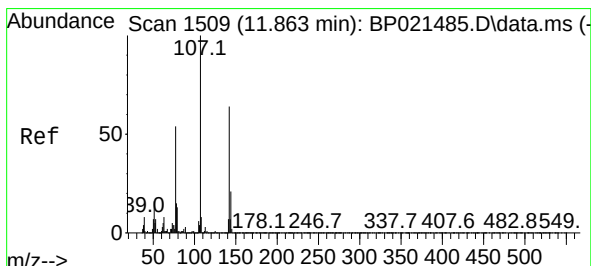
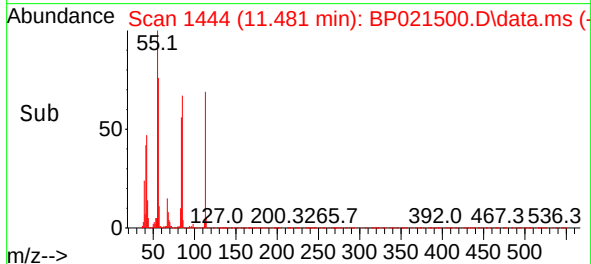
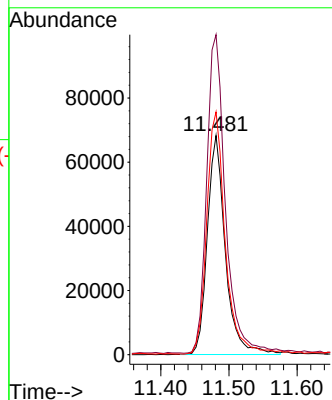
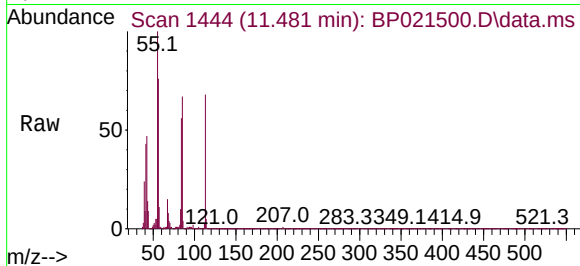




#35
Caprolactam
Concen: 13.096 ng
RT: 11.481 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

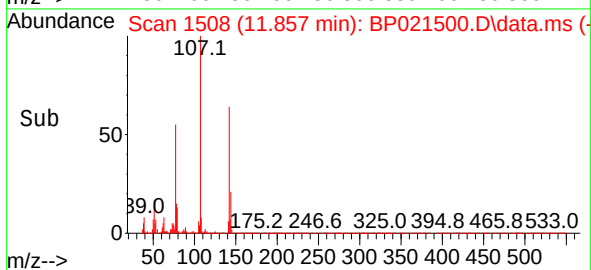
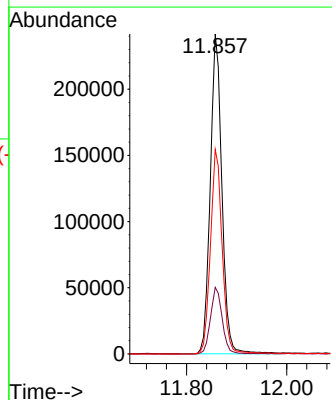
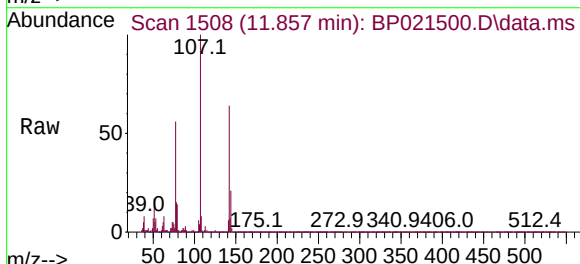
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

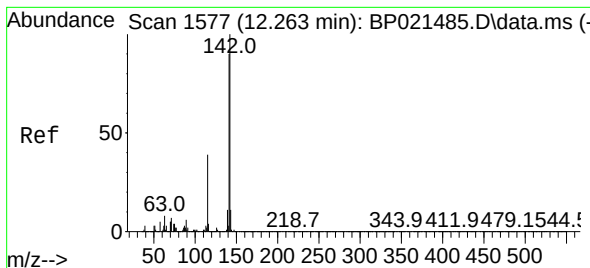
Tgt Ion:113 Resp: 125580
Ion Ratio Lower Upper
113 100
55 146.0 130.6 170.6
56 110.7 94.6 134.6



#36
4-Chloro-3-methylphenol
Concen: 12.206 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:107 Resp: 390061
Ion Ratio Lower Upper
107 100
144 20.8 16.6 24.8
142 63.9 51.0 76.4





#37

2-Methylnaphthalene

Concen: 11.713 ng

RT: 12.252 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

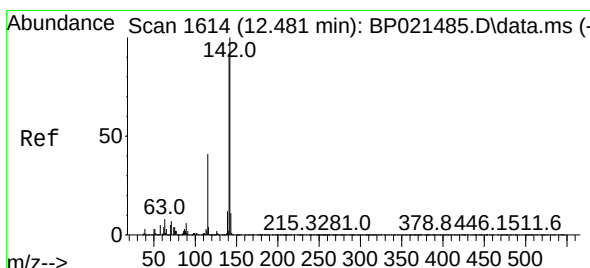
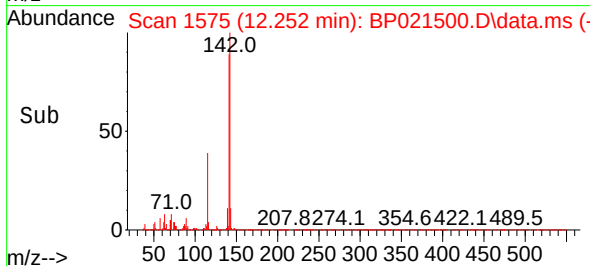
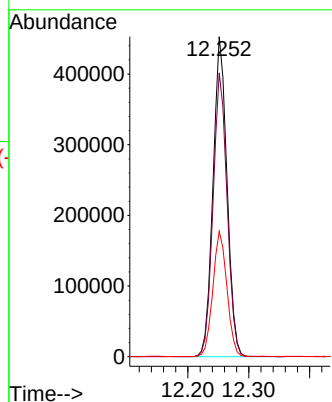
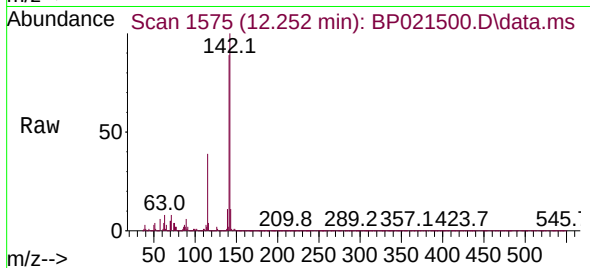
Tgt Ion:142 Resp: 720874

Ion Ratio Lower Upper

142 100

141 88.7 71.7 107.5

115 39.2 31.4 47.2



#38

1-Methylnaphthalene

Concen: 11.221 ng

RT: 12.481 min Scan# 1614

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

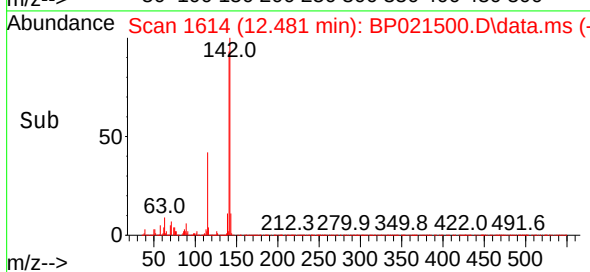
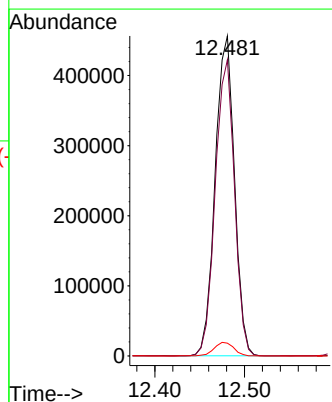
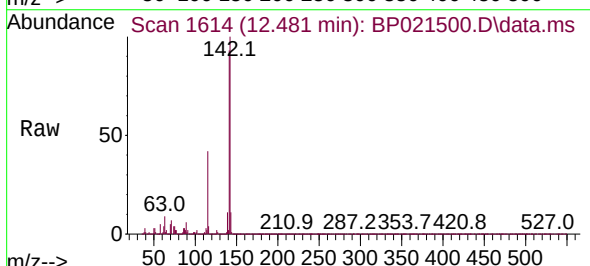
Tgt Ion:142 Resp: 681108

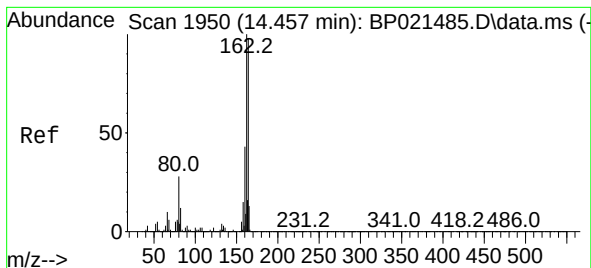
Ion Ratio Lower Upper

142 100

141 92.6 73.5 110.3

116 4.0 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

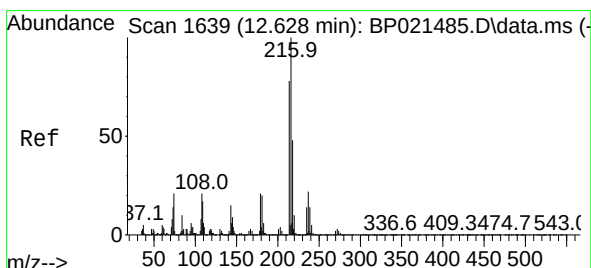
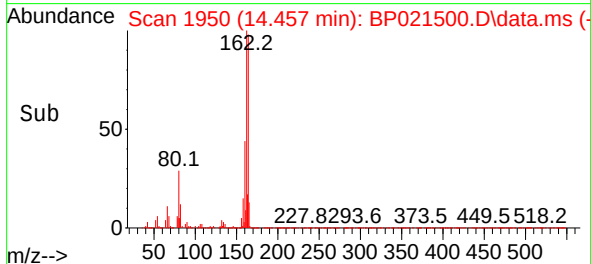
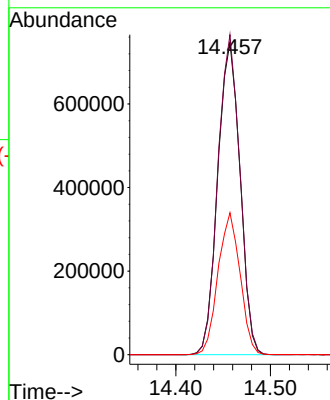
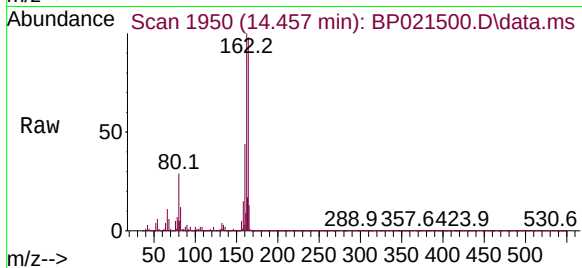
Tgt Ion:164 Resp: 1225049

Ion Ratio Lower Upper

164 100

162 102.4 81.5 122.3

160 45.4 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.199 ng

RT: 12.622 min Scan# 1638

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Tgt Ion:216 Resp: 401984

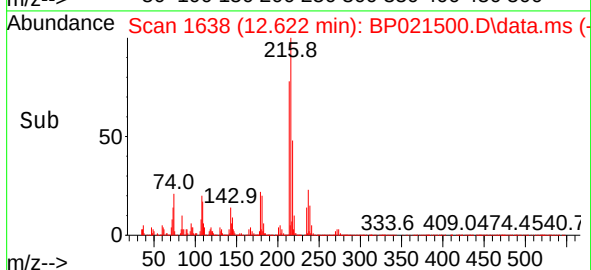
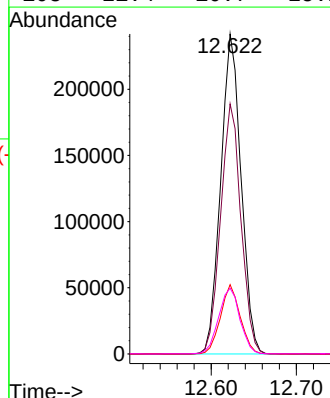
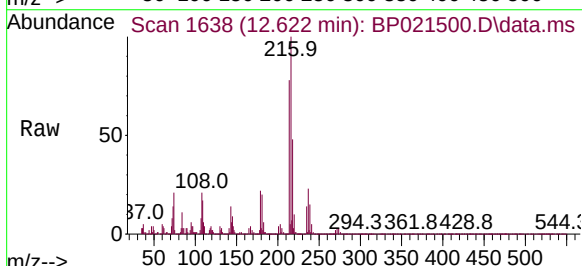
Ion Ratio Lower Upper

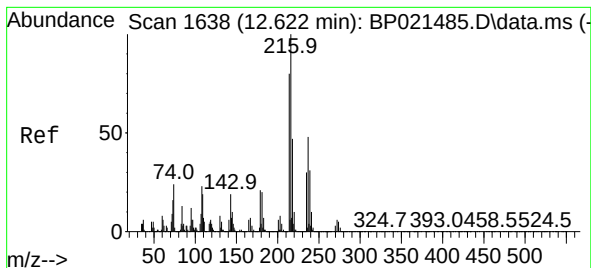
216 100

214 78.0 62.5 93.7

179 21.0 16.4 24.6

108 21.4 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 12.079 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

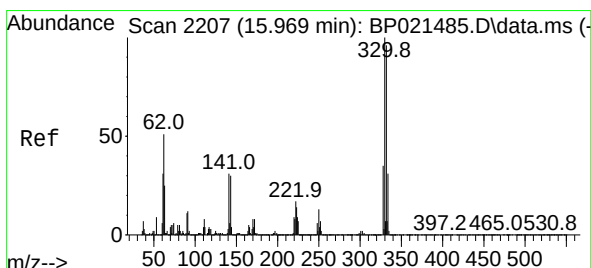
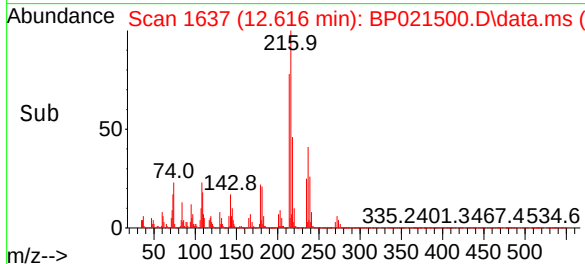
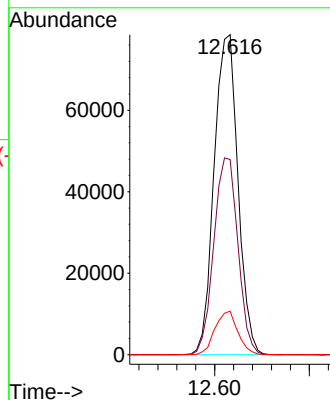
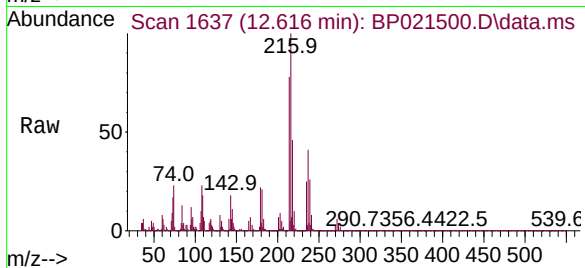
Tgt Ion:237 Resp: 137408

Ion Ratio Lower Upper

237 100

235 61.0 43.9 83.9

272 13.6 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 155.309 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

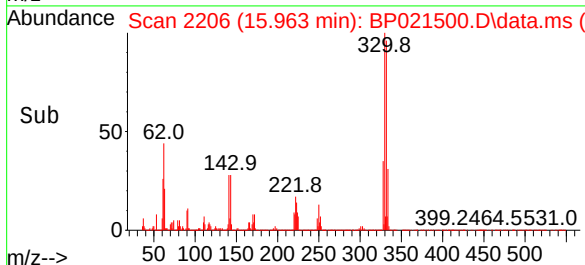
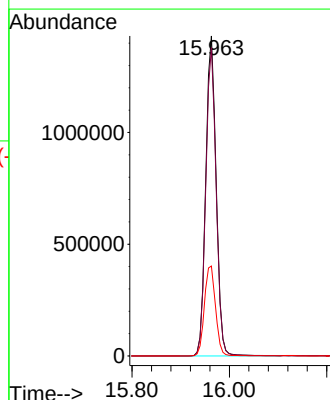
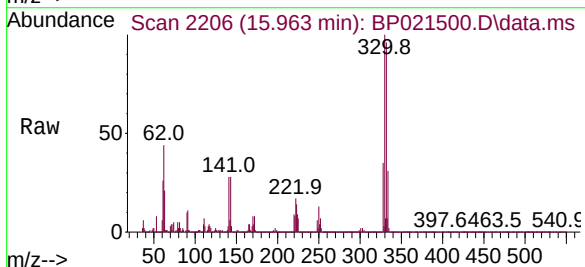
Tgt Ion:330 Resp: 2117537

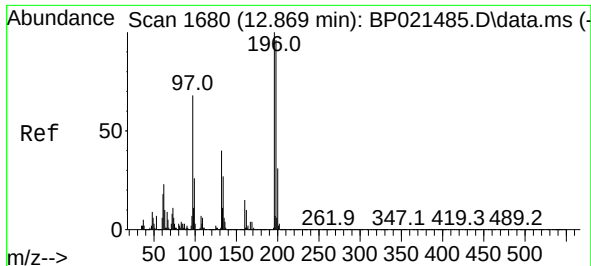
Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 30.1 24.5 36.7

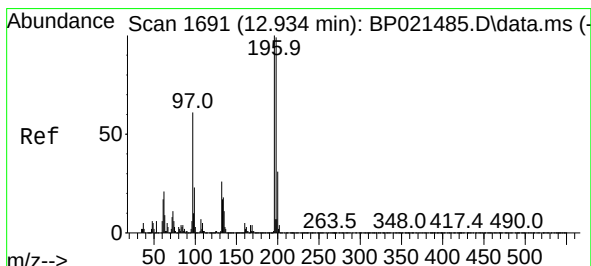
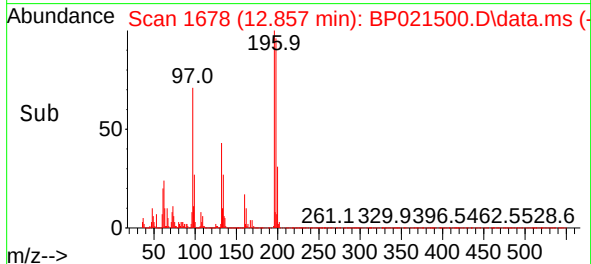
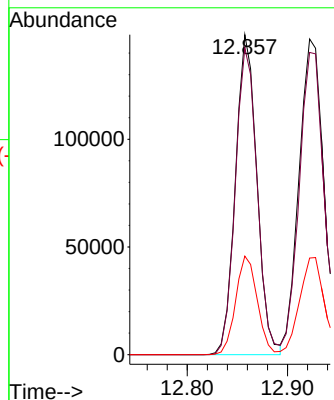
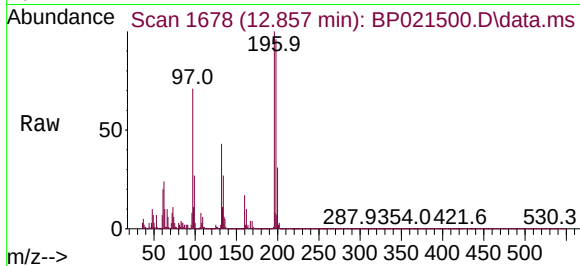




#43
2,4,6-Trichlorophenol
Concen: 11.106 ng
RT: 12.857 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

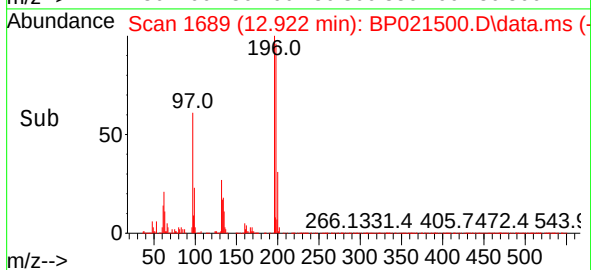
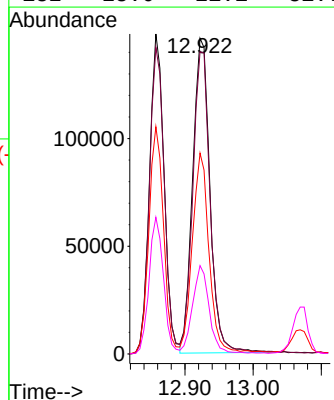
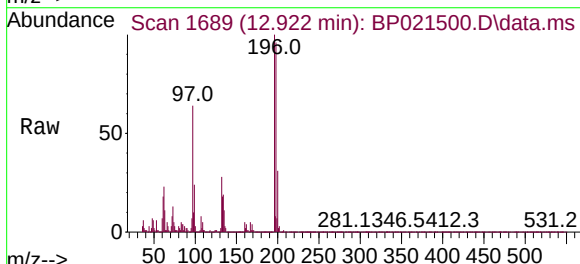
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

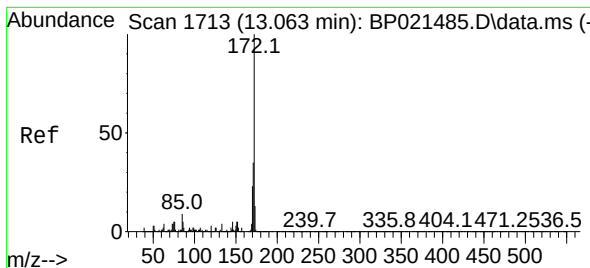
Tgt Ion:196 Resp: 221432
Ion Ratio Lower Upper
196 100
198 95.8 76.6 114.8
200 30.8 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 11.586 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:196 Resp: 256668
Ion Ratio Lower Upper
196 100
198 95.7 78.9 118.3
97 63.6 49.4 74.0
132 28.0 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 92.853 ng

RT: 13.069 min Scan# 1713

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

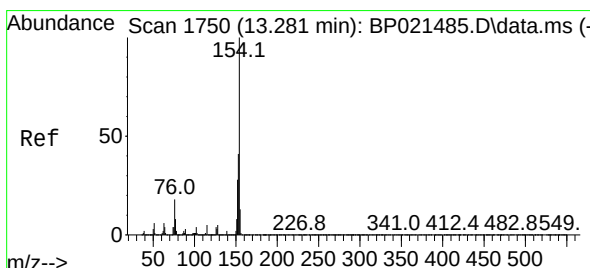
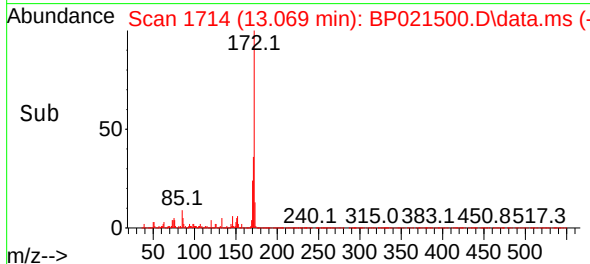
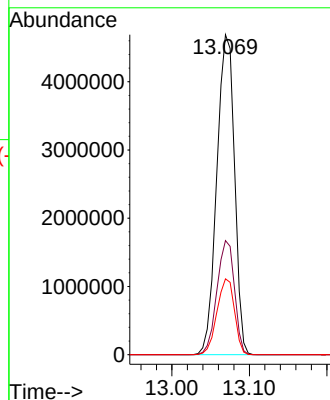
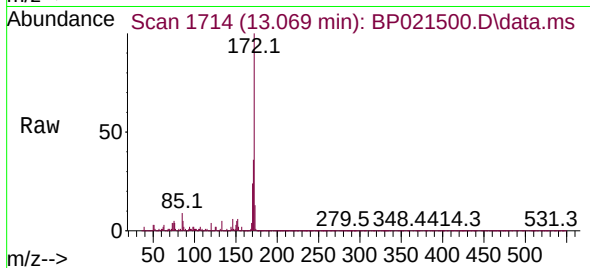
Tgt Ion:172 Resp: 7453315

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.7 18.4 27.6



#46

1,1'-Biphenyl

Concen: 11.542 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

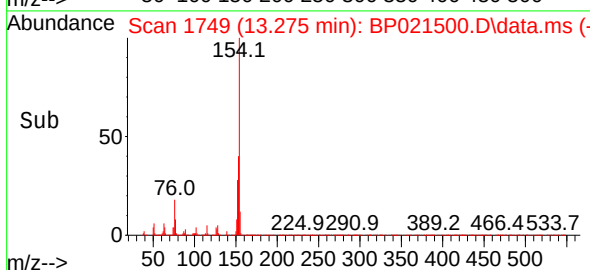
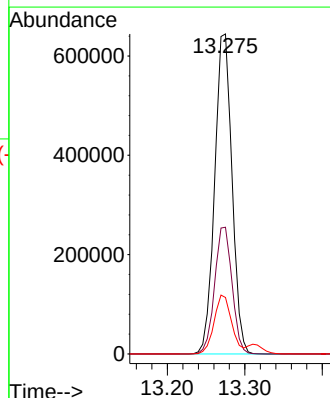
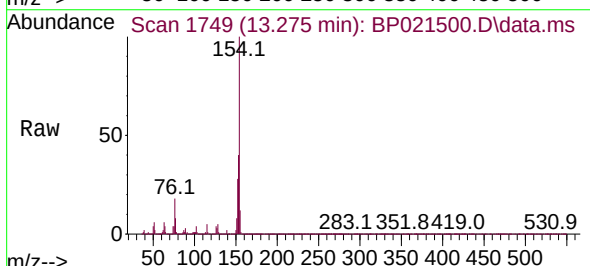
Tgt Ion:154 Resp: 1000426

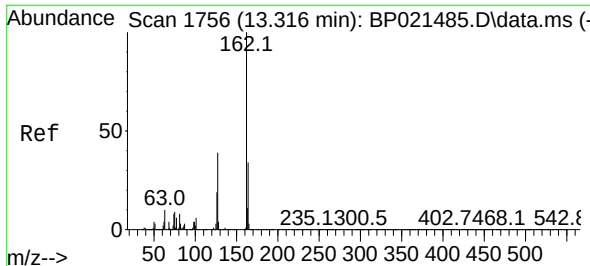
Ion Ratio Lower Upper

154 100

153 39.6 20.7 60.7

76 17.7 0.0 37.7

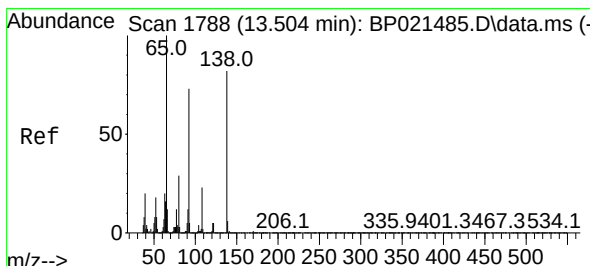
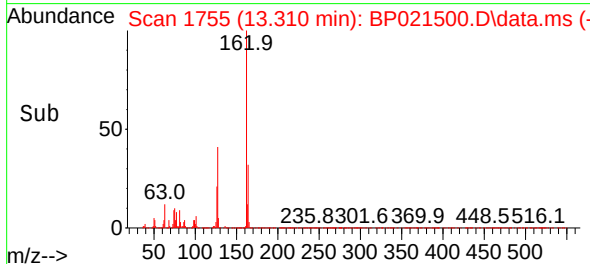
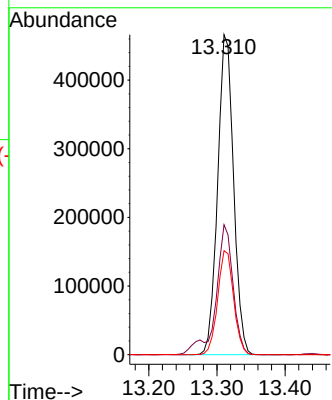
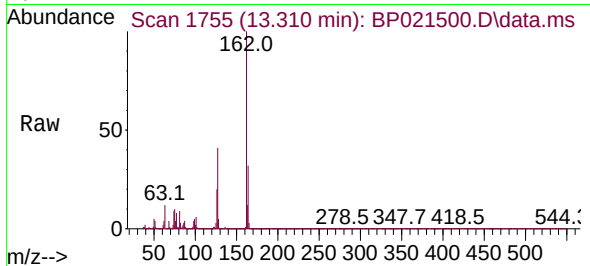




#47
2-Chloronaphthalene
Concen: 11.216 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

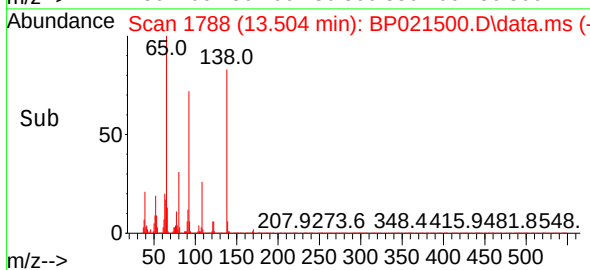
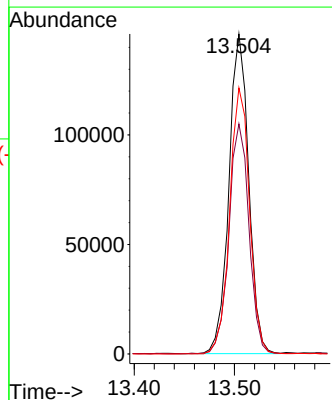
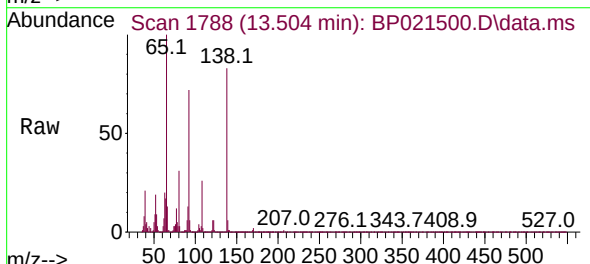
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

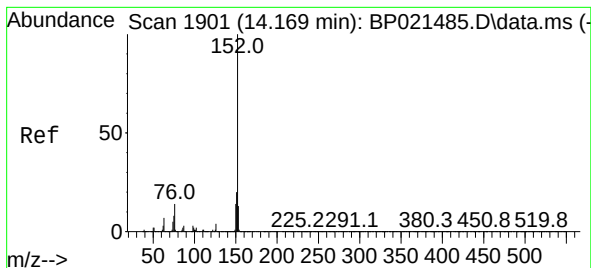
Tgt Ion:162 Resp: 756847
Ion Ratio Lower Upper
162 100
127 40.6 31.9 47.9
164 32.5 26.8 40.2



#48
2-Nitroaniline
Concen: 12.708 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion: 65 Resp: 199376
Ion Ratio Lower Upper
65 100
92 71.9 58.1 87.1
138 83.2 65.5 98.3





#49

Acenaphthylene

Concen: 12.580 ng

RT: 14.169 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

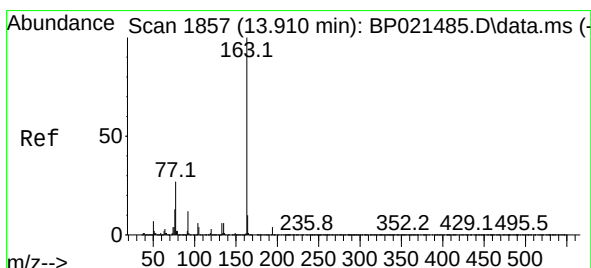
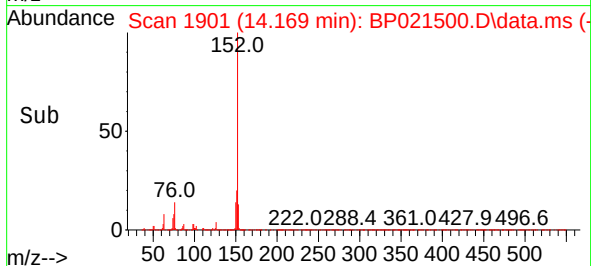
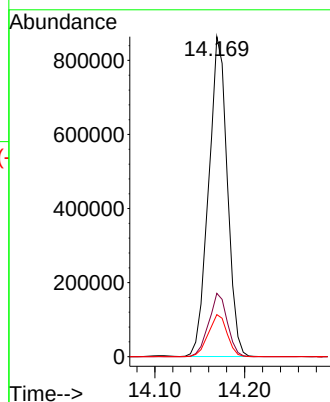
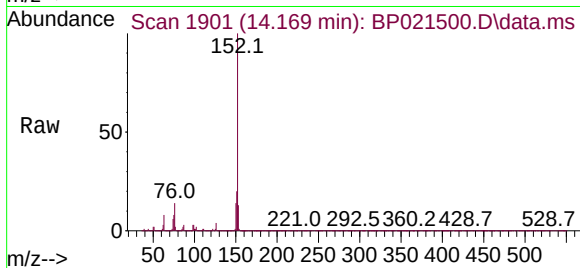
Tgt Ion:152 Resp: 1247845

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 12.377 ng

RT: 13.898 min Scan# 1855

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

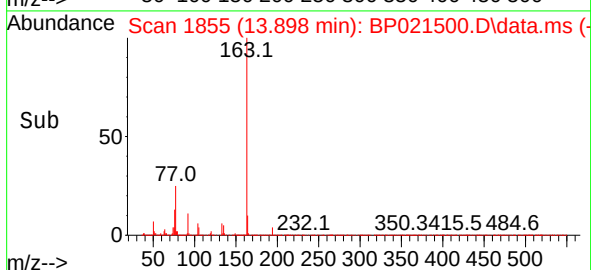
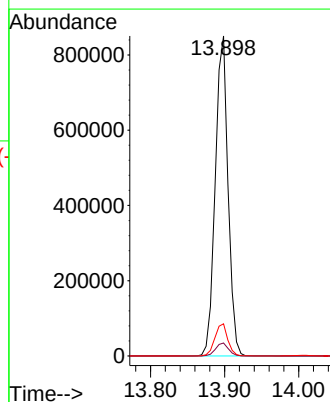
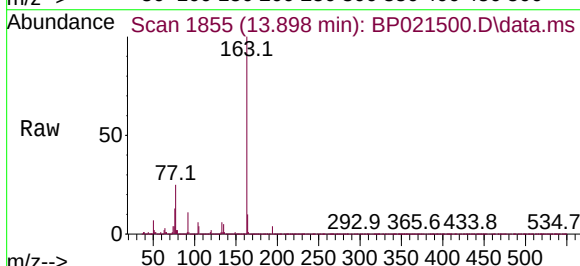
Tgt Ion:163 Resp: 1015408

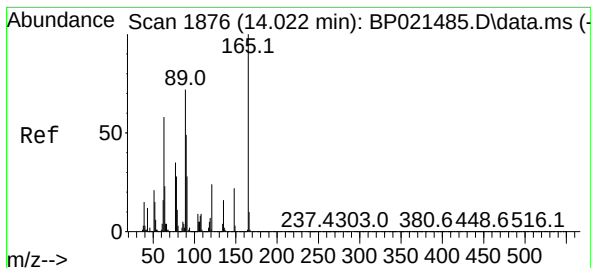
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 13.787 ng

RT: 14.004 min Scan# 1876

Delta R.T. -0.018 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

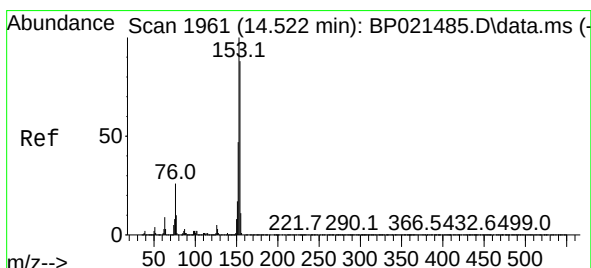
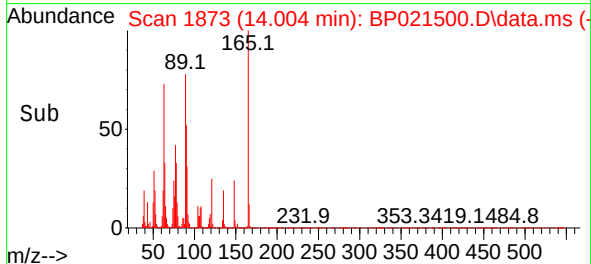
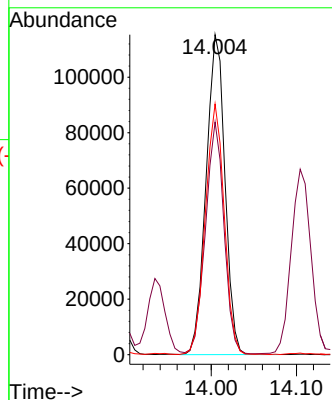
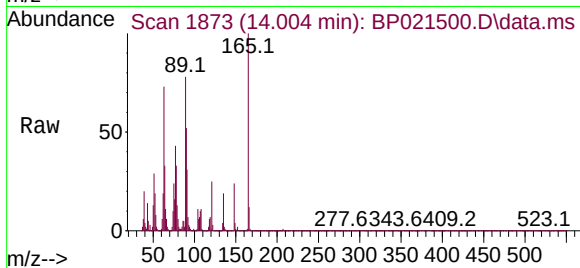
Tgt Ion:165 Resp: 176911

Ion Ratio Lower Upper

165 100

63 72.7 51.5 77.3

89 78.4 57.8 86.8



#52

Acenaphthene

Concen: 11.390 ng

RT: 14.522 min Scan# 1961

Delta R.T. -0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

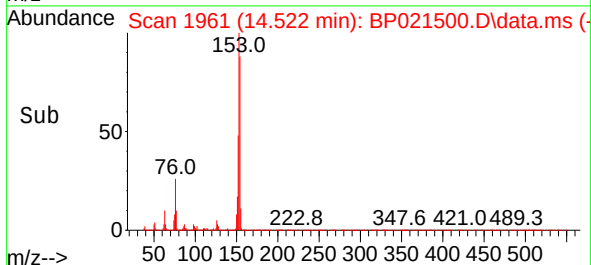
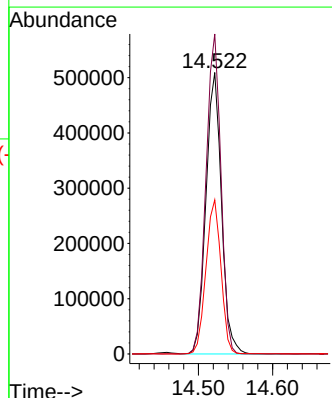
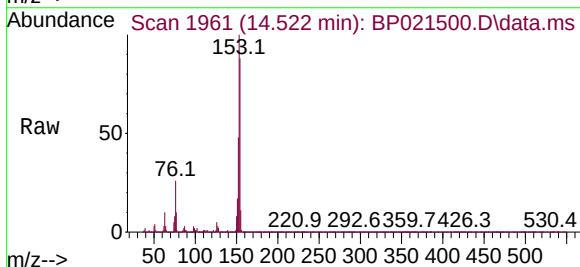
Tgt Ion:154 Resp: 741356

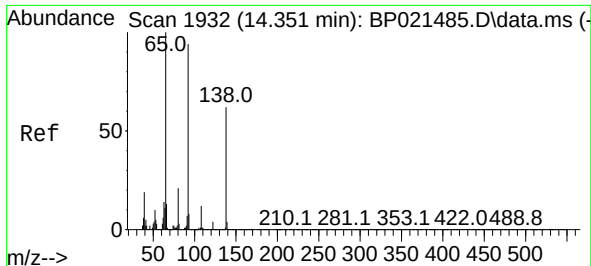
Ion Ratio Lower Upper

154 100

153 113.7 91.1 136.7

152 54.8 43.0 64.4

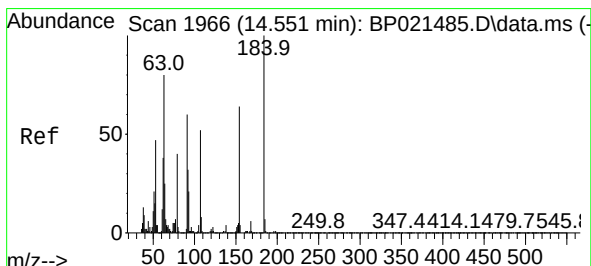
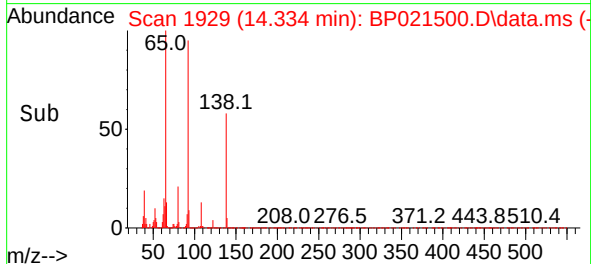
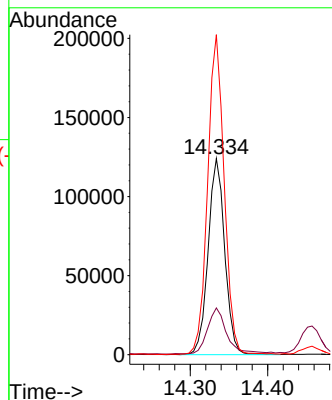
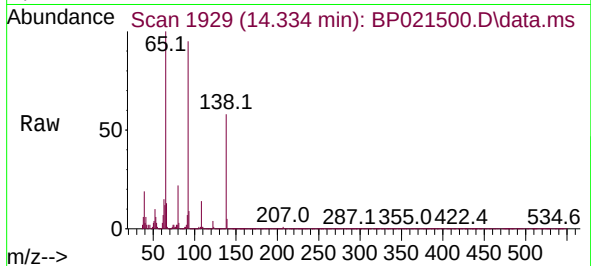




#53
3-Nitroaniline
Concen: 13.184 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

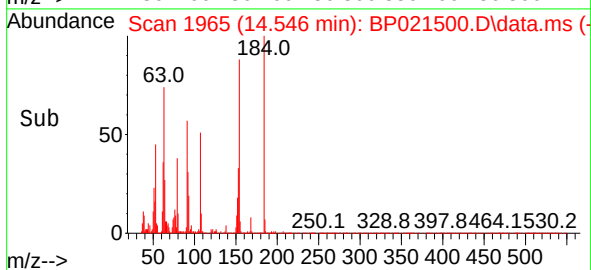
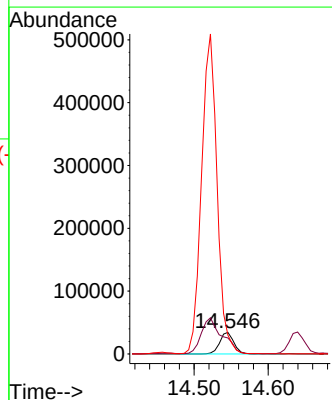
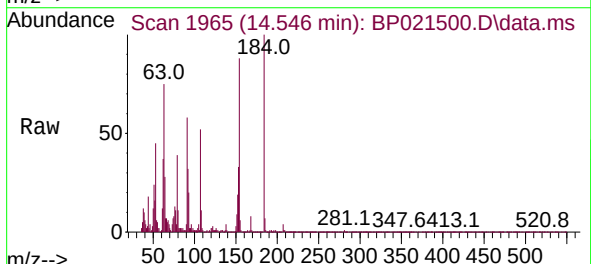
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

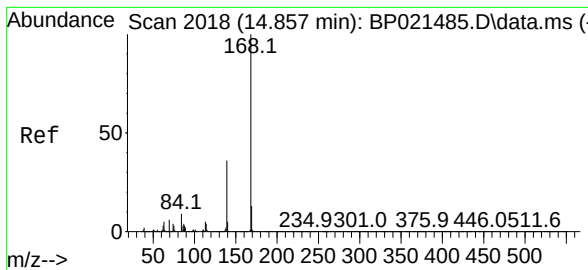
Tgt Ion:138 Resp: 184302
Ion Ratio Lower Upper
138 100
108 23.8 16.2 24.4
92 163.1 122.2 183.4



#54
2,4-Dinitrophenol
Concen: 10.756 ng
RT: 14.546 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:184 Resp: 45506
Ion Ratio Lower Upper
184 100
63 74.6 64.9 97.3
154 87.8 52.1 78.1#

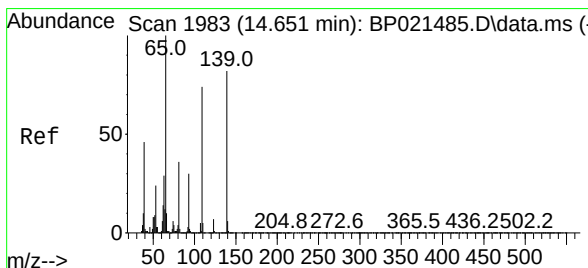
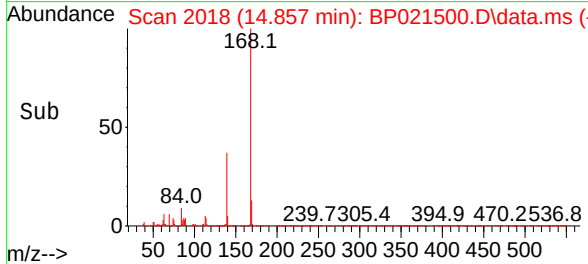
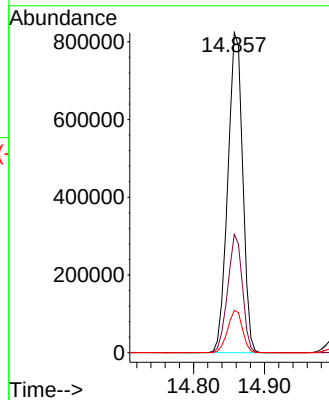
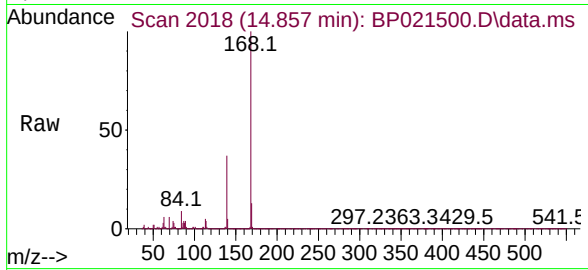




#55
Dibenzofuran
Concen: 11.956 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

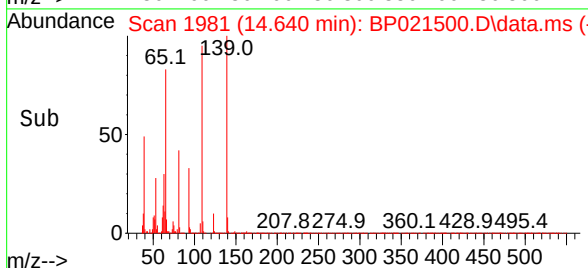
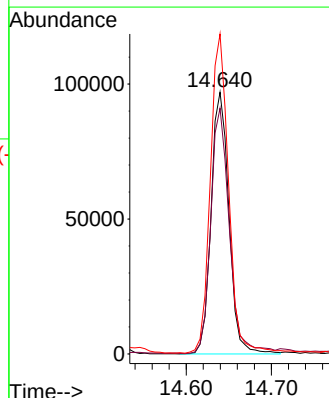
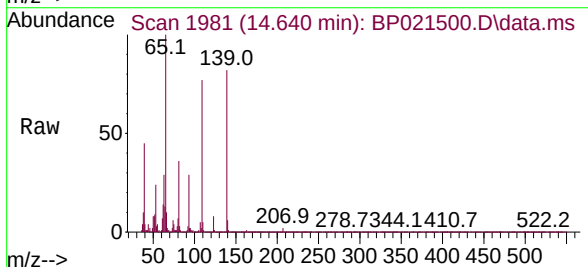
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

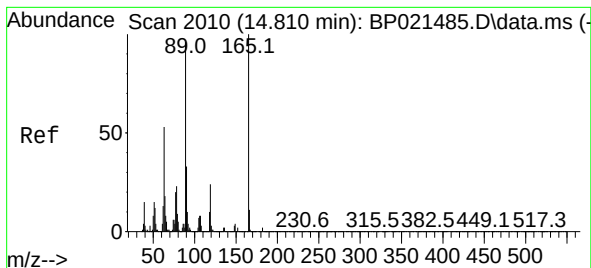
Tgt Ion:168 Resp: 1197095
Ion Ratio Lower Upper
168 100
139 37.0 28.6 43.0
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 11.846 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:139 Resp: 141408
Ion Ratio Lower Upper
139 100
109 93.8 70.2 110.2
65 122.2 101.8 141.8

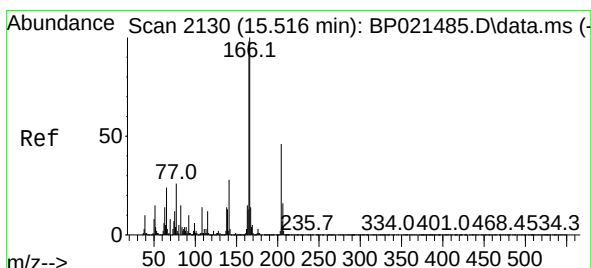
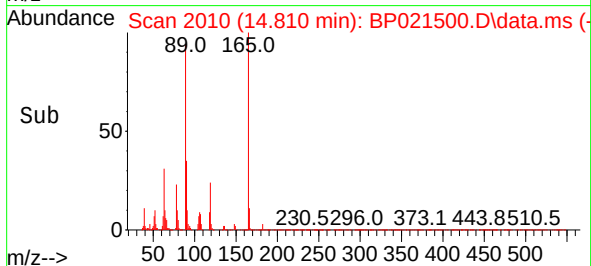
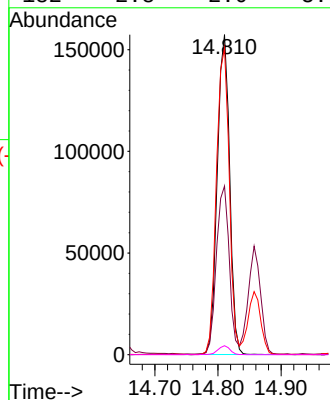
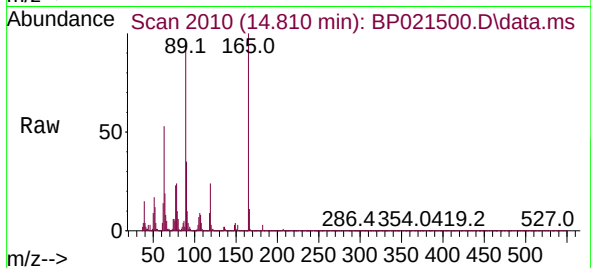




#57
2,4-Dinitrotoluene
Concen: 12.254 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

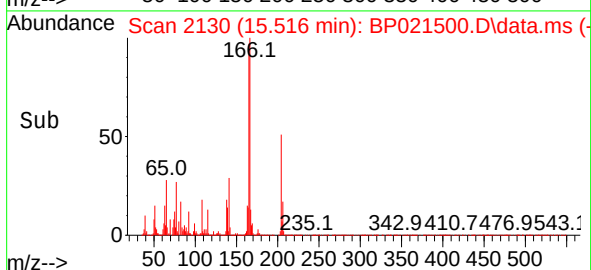
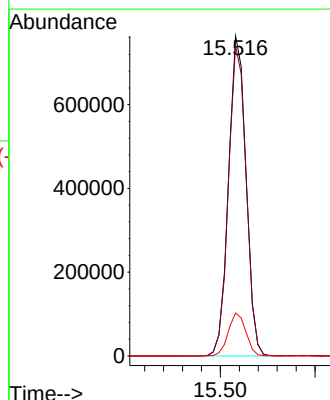
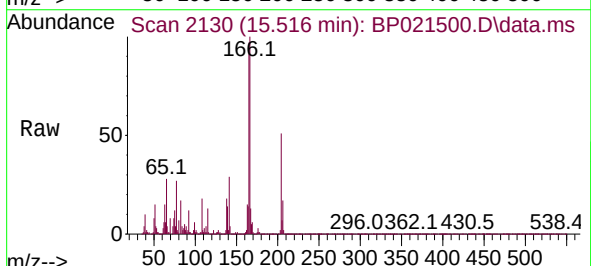
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

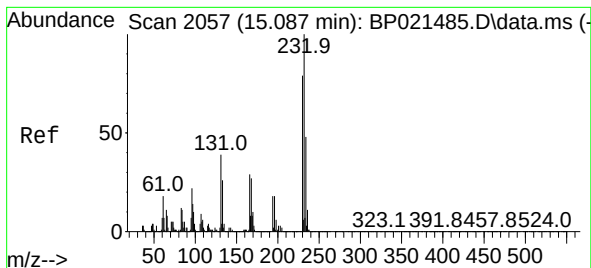
Tgt Ion:165 Resp: 213472
Ion Ratio Lower Upper
165 100
63 52.7 42.5 63.7
89 95.9 77.1 115.7
182 2.8 2.0 3.0



#58
Fluorene
Concen: 11.960 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:166 Resp: 983785
Ion Ratio Lower Upper
166 100
165 97.0 78.1 117.1
167 13.4 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 12.176 ng

RT: 15.087 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:232 Resp: 228937

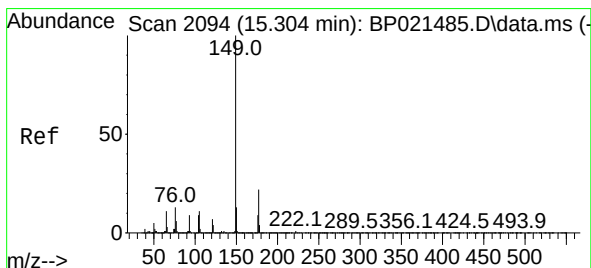
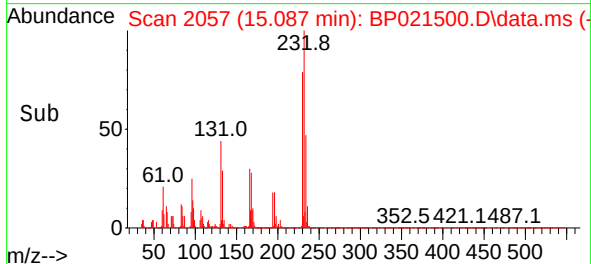
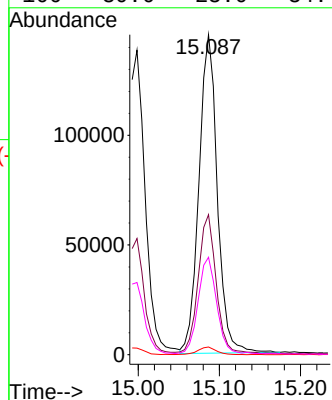
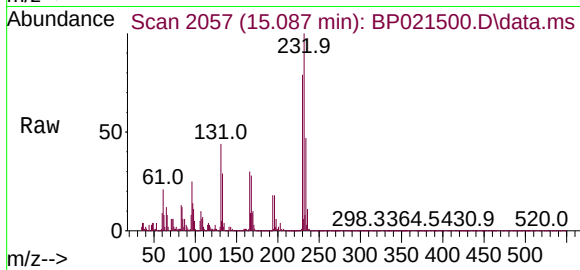
Ion Ratio Lower Upper

232 100

131 44.3 33.1 49.7

130 2.4 1.7 2.5

166 30.6 23.0 34.4



#60

Diethylphthalate

Concen: 12.379 ng

RT: 15.287 min Scan# 2091

Delta R.T. -0.018 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

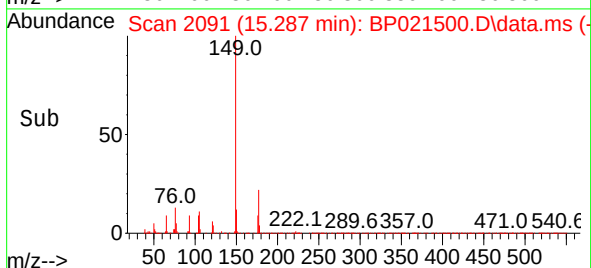
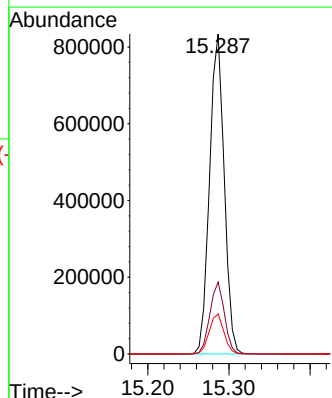
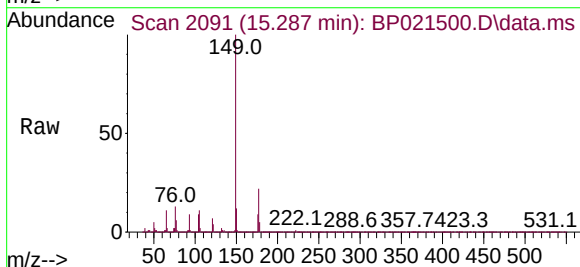
Tgt Ion:149 Resp: 1042027

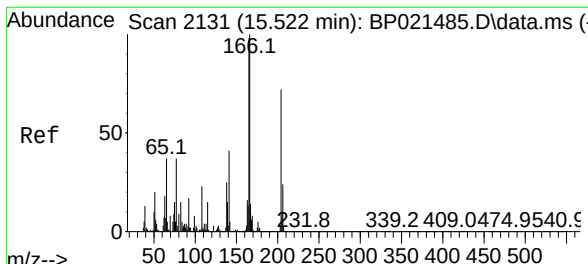
Ion Ratio Lower Upper

149 100

177 22.4 17.8 26.8

150 12.5 10.1 15.1

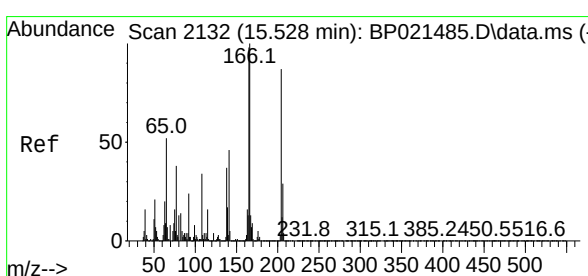
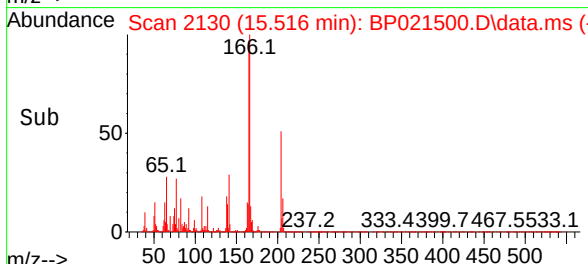
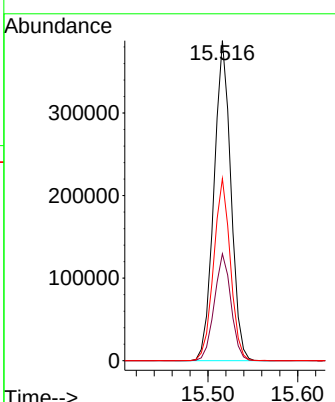
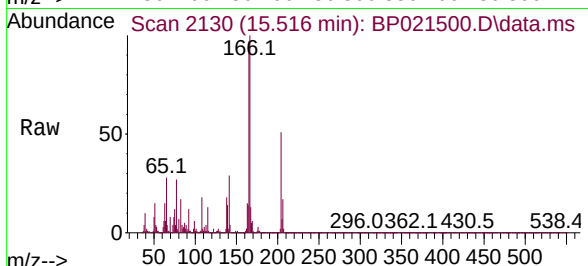




#61
4-Chlorophenyl-phenylether
Concen: 11.926 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

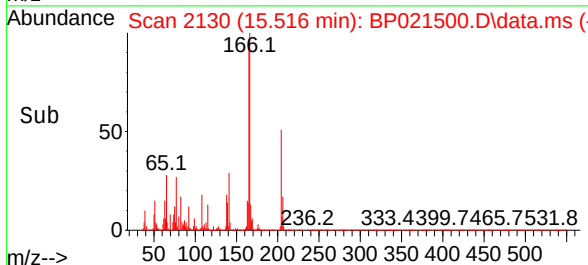
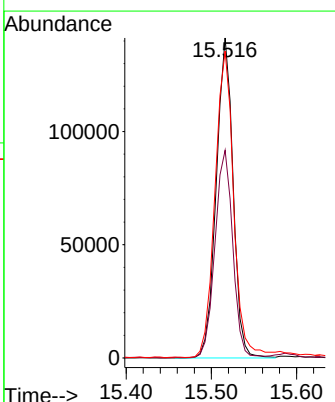
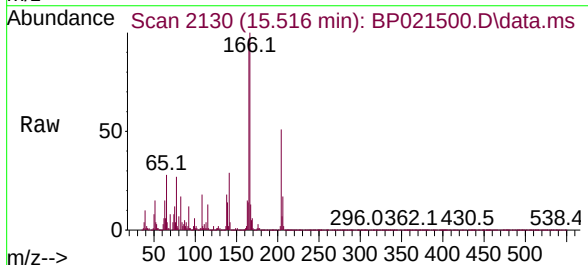
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

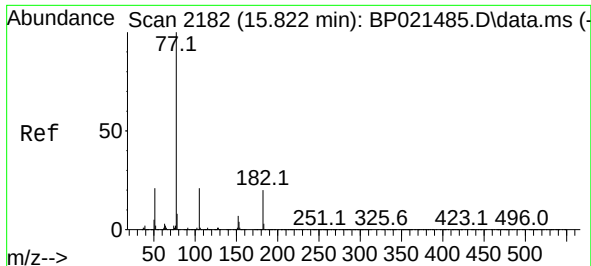
Tgt Ion:	204	Resp:	507063
Ion Ratio	Lower	Upper	
204	100		
206	33.4	26.4	39.6
141	56.9	46.1	69.1



#62
4-Nitroaniline
Concen: 13.180 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:	138	Resp:	194825
Ion Ratio	Lower	Upper	
138	100		
92	64.9	46.4	86.4
108	95.9	73.2	113.2

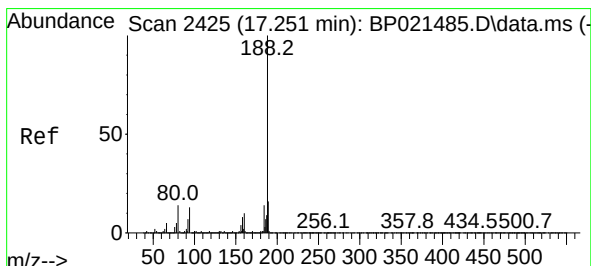
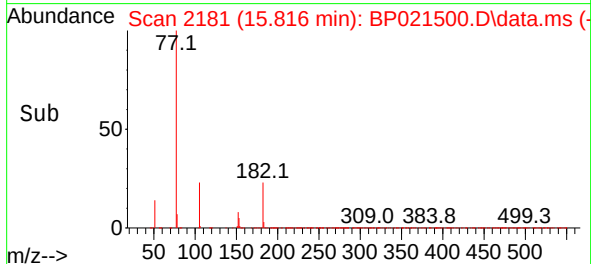
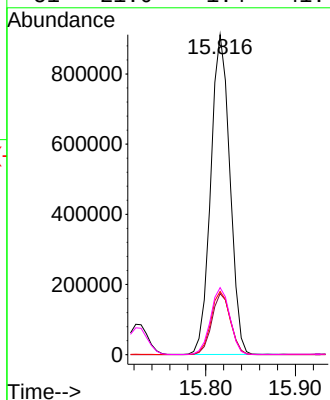
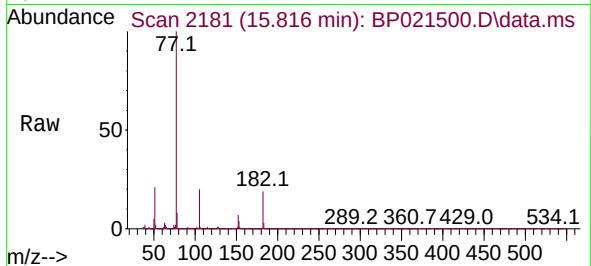




#63
Azobenzene
Concen: 13.015 ng
RT: 15.816 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

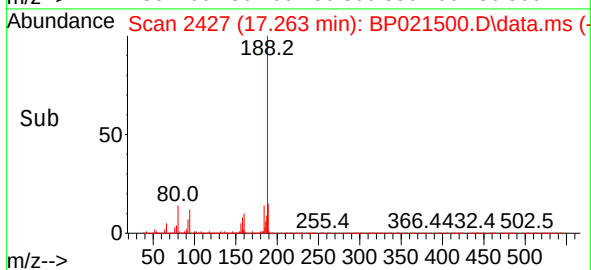
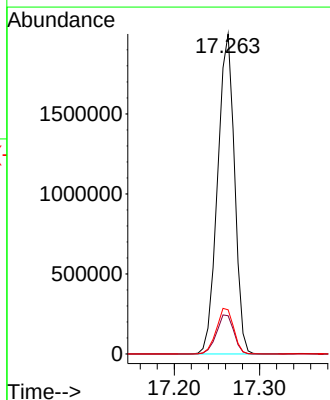
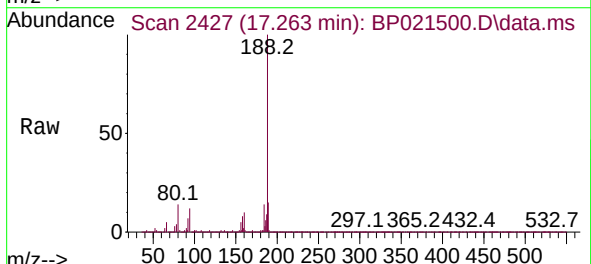
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

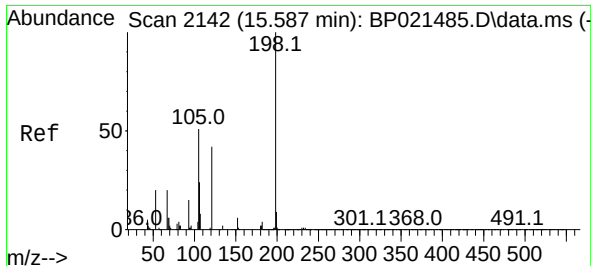
Tgt Ion: 77 Resp: 1346702
Ion Ratio Lower Upper
77 100
182 19.1 0.0 39.9
105 19.7 0.9 40.9
51 21.0 1.4 41.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:188 Resp: 2758152
Ion Ratio Lower Upper
188 100
94 12.0 10.2 15.4
80 13.8 11.6 17.4





#65

4,6-Dinitro-2-methylphenol

Concen: 9.307 ng

RT: 15.587 min Scan# 2142

Delta R.T. -0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

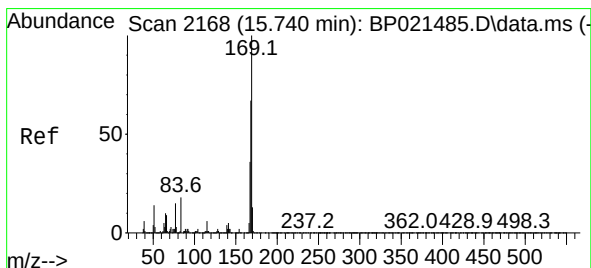
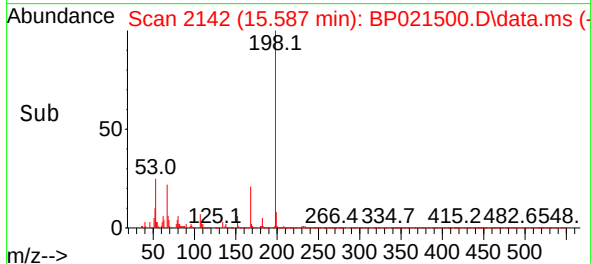
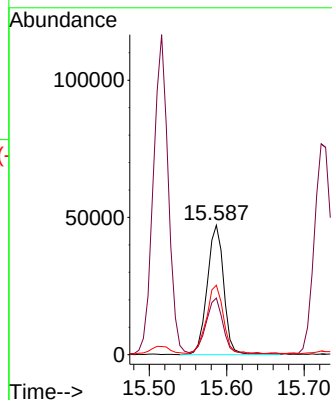
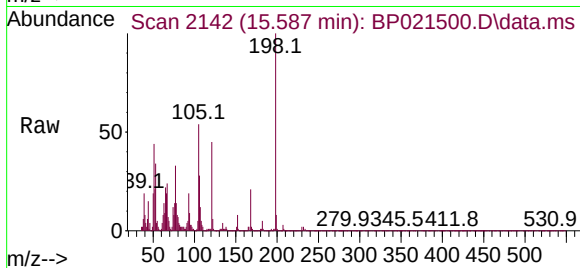
Tgt Ion:198 Resp: 69769

Ion Ratio Lower Upper

198 100

51 43.8 21.5 61.5

105 53.6 32.9 72.9



#66

n-Nitrosodiphenylamine

Concen: 11.716 ng

RT: 15.728 min Scan# 2166

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

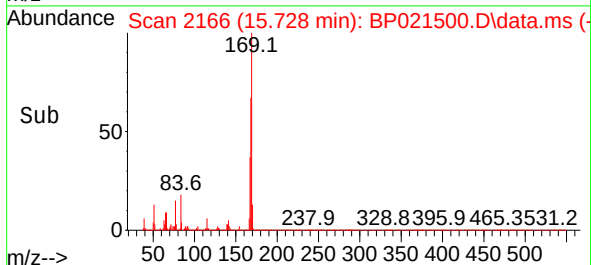
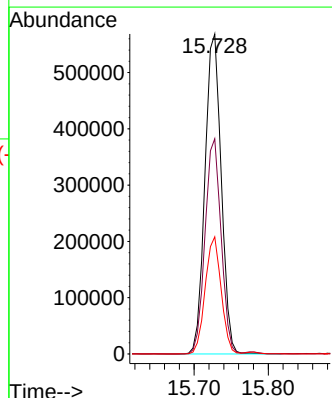
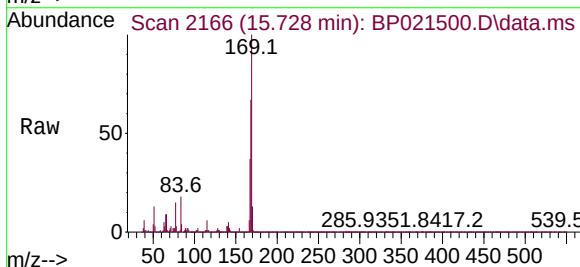
Tgt Ion:169 Resp: 865985

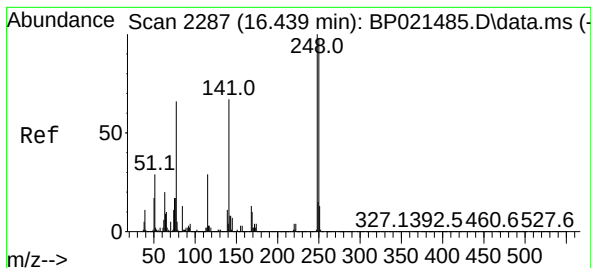
Ion Ratio Lower Upper

169 100

168 67.2 53.4 80.2

167 36.6 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 10.427 ng

RT: 16.428 min Scan# 2285

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

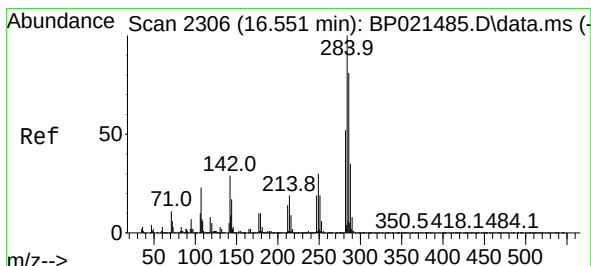
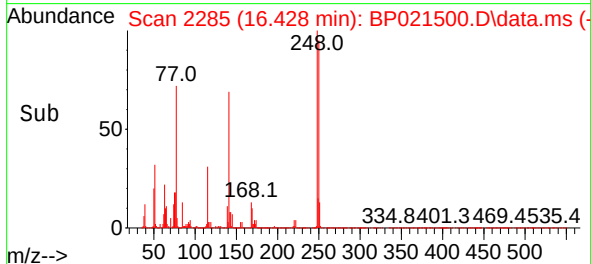
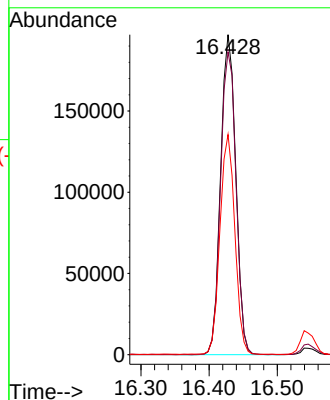
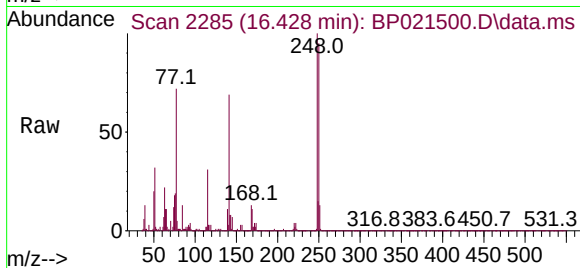
Tgt Ion:248 Resp: 304385

Ion Ratio Lower Upper

248 100

250 94.6 78.6 117.8

141 68.8 53.9 80.9



#68

Hexachlorobenzene

Concen: 11.001 ng

RT: 16.545 min Scan# 2305

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

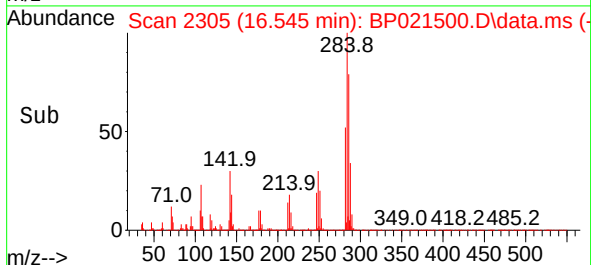
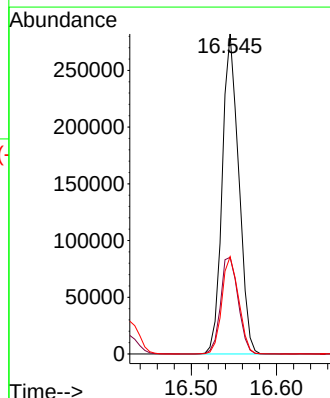
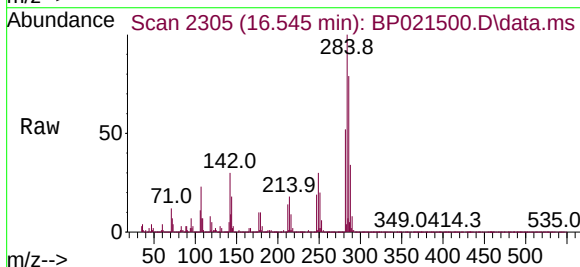
Tgt Ion:284 Resp: 379497

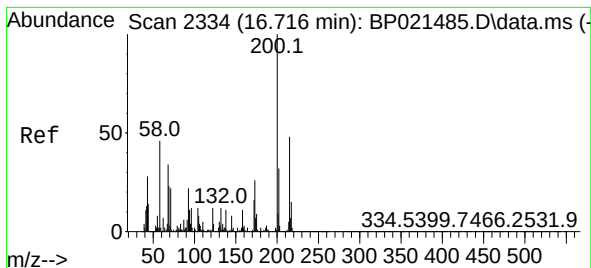
Ion Ratio Lower Upper

284 100

142 30.2 23.4 35.2

249 30.4 24.1 36.1





#69

Atrazine

Concen: 12.595 ng

RT: 16.698 min Scan# 2331

Delta R.T. -0.018 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

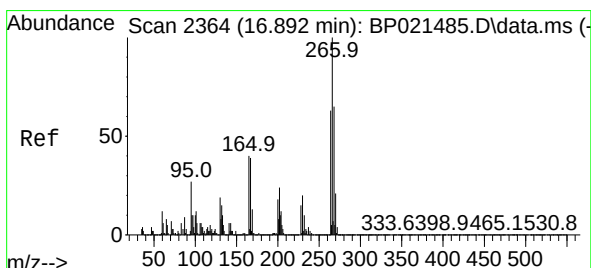
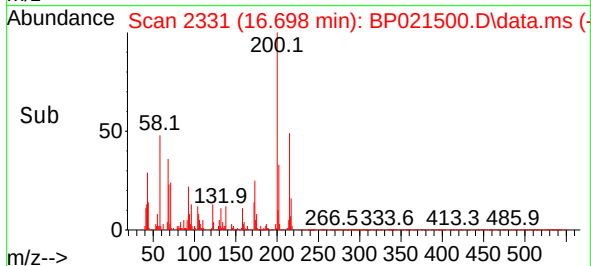
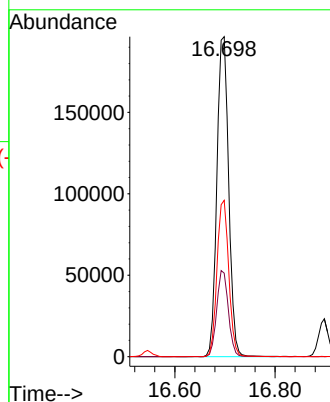
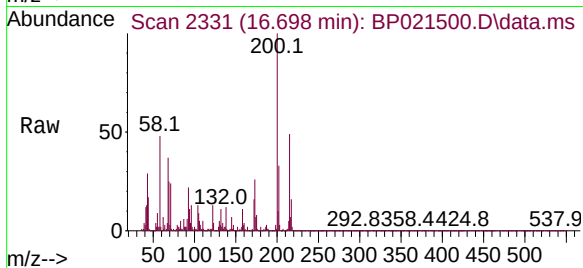
Tgt Ion:200 Resp: 319618

Ion Ratio Lower Upper

200 100

173 26.1 6.2 46.2

215 48.9 28.4 68.4



#70

Pentachlorophenol

Concen: 9.811 ng

RT: 16.898 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

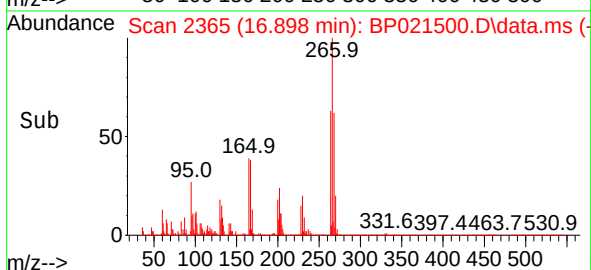
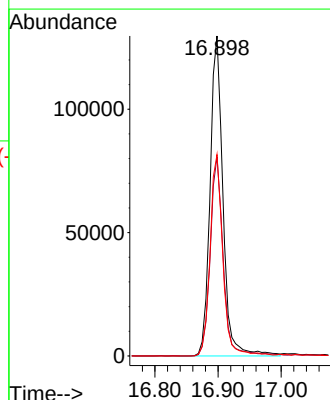
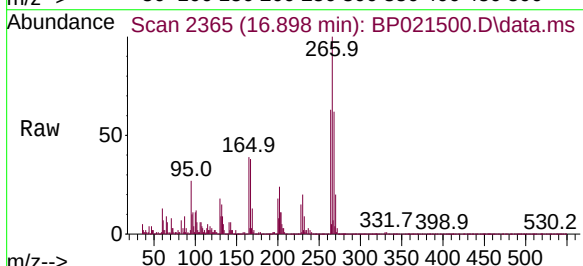
Tgt Ion:266 Resp: 184723

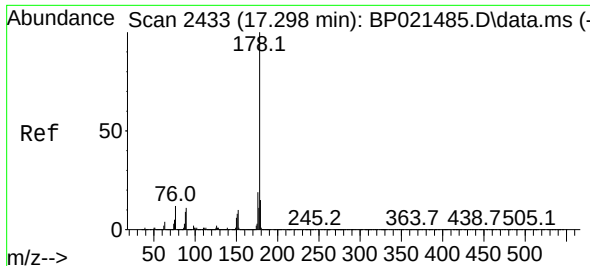
Ion Ratio Lower Upper

266 100

268 62.3 51.8 77.6

264 63.0 50.5 75.7

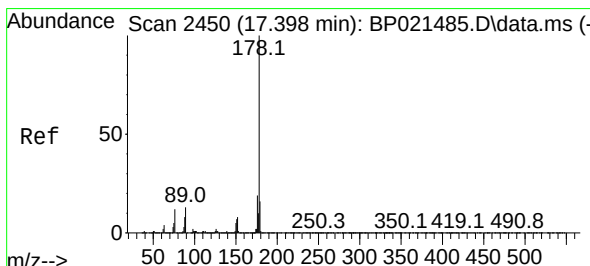
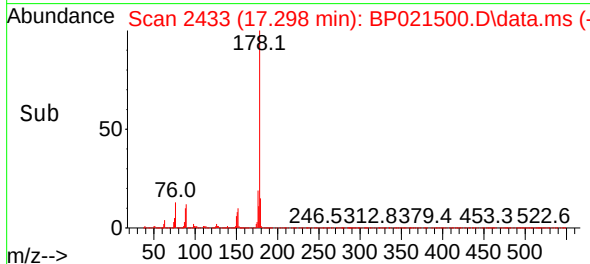
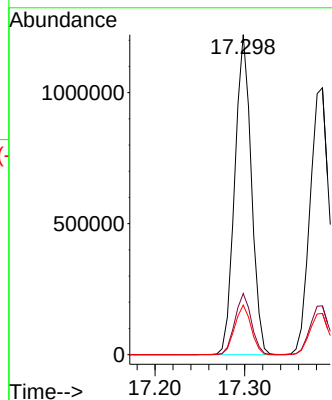
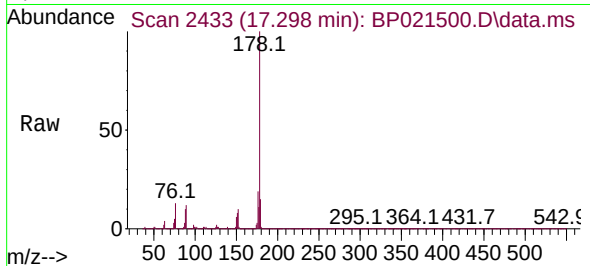




#71
Phenanthrene
Concen: 11.777 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

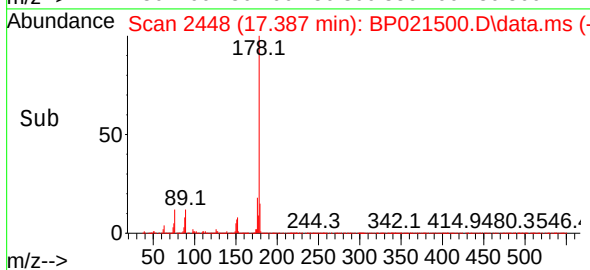
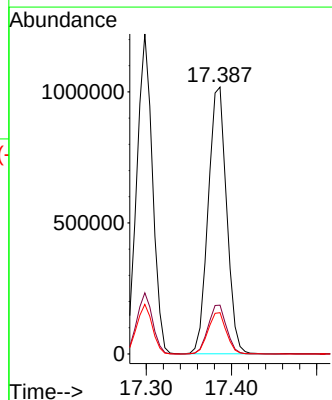
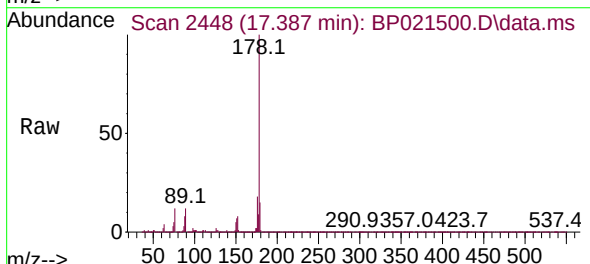
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

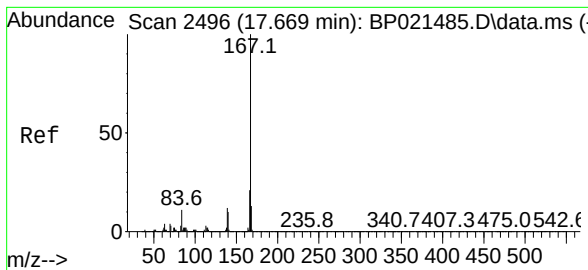
Tgt Ion:178 Resp: 1562173
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.5 12.4 18.6



#72
Anthracene
Concen: 11.756 ng
RT: 17.387 min Scan# 2448
Delta R.T. -0.012 min
Lab File: BP021500.D
Acq: 14 Aug 2024 14:56

Tgt Ion:178 Resp: 1529278
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.5 12.5 18.7



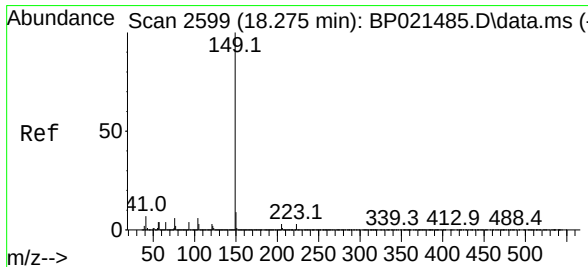
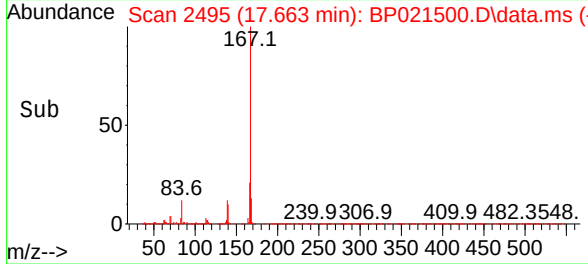
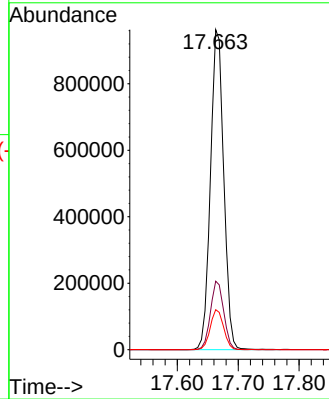
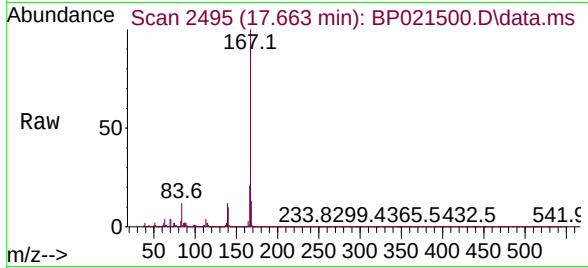


#73
 Carbazole
 Concen: 11.649 ng
 RT: 17.663 min Scan# 2496
 Delta R.T. -0.006 min
 Lab File: BP021500.D
 Acq: 14 Aug 2024 14:56

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Tgt Ion:167 Resp: 1460363

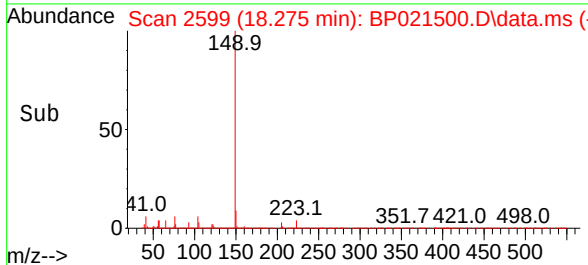
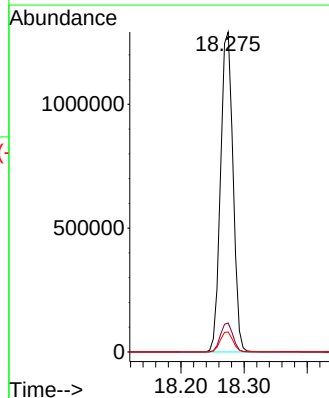
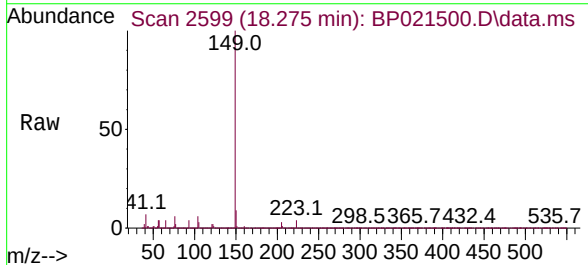
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.5	9.9	14.9

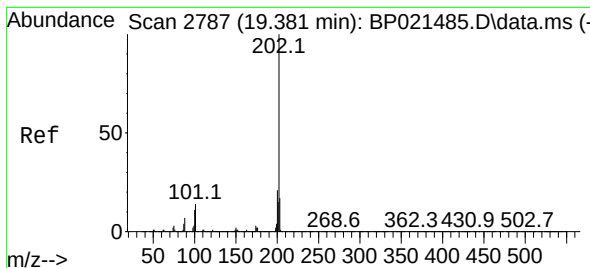


#74
 Di-n-butylphthalate
 Concen: 11.473 ng
 RT: 18.275 min Scan# 2599
 Delta R.T. 0.000 min
 Lab File: BP021500.D
 Acq: 14 Aug 2024 14:56

Tgt Ion:149 Resp: 1766411

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.2	4.9	7.3





#75

Fluoranthene

Concen: 11.370 ng

RT: 19.381 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

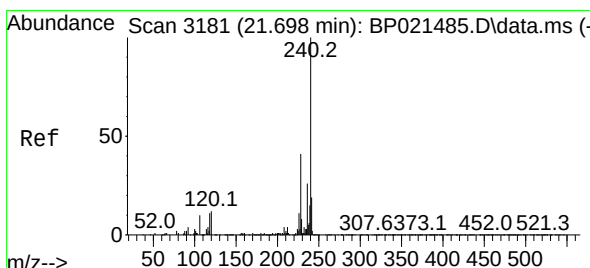
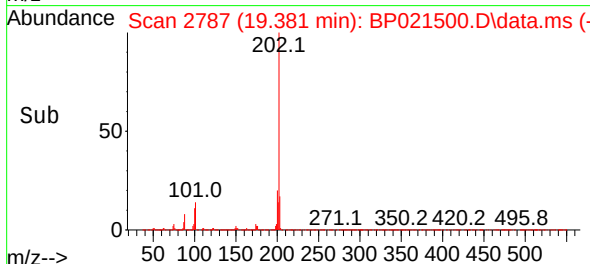
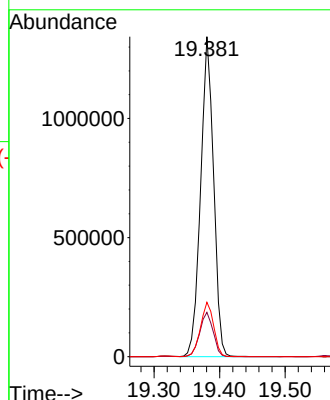
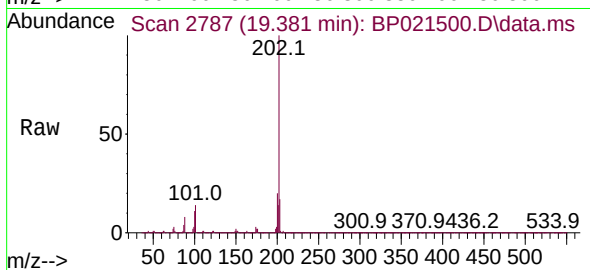
Tgt Ion:202 Resp: 1850471

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.0

203 17.0 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

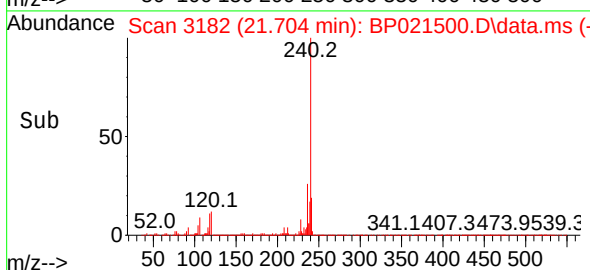
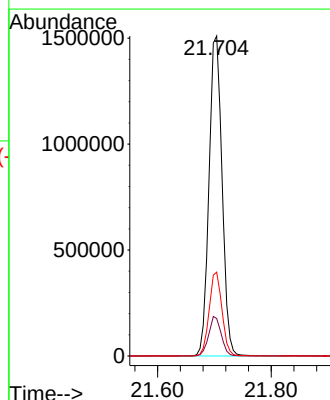
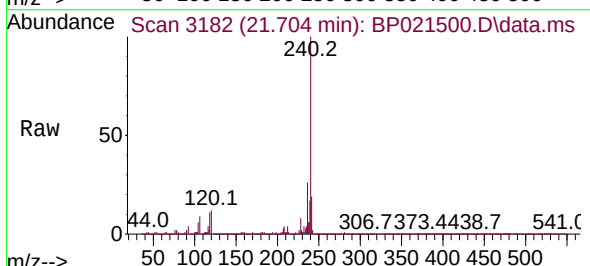
Tgt Ion:240 Resp: 2396526

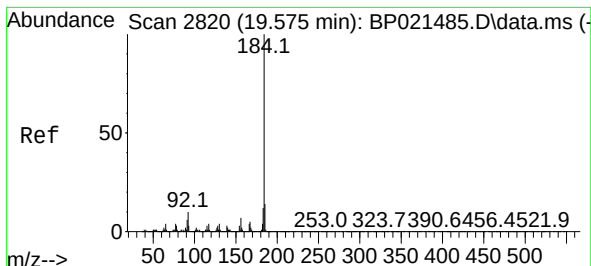
Ion Ratio Lower Upper

240 100

120 11.7 9.9 14.9

236 26.2 20.6 30.8





#77

Benzidine

Concen: 13.730 ng

RT: 19.563 min Scan# 2818

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

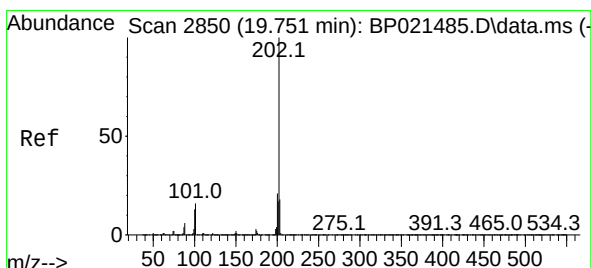
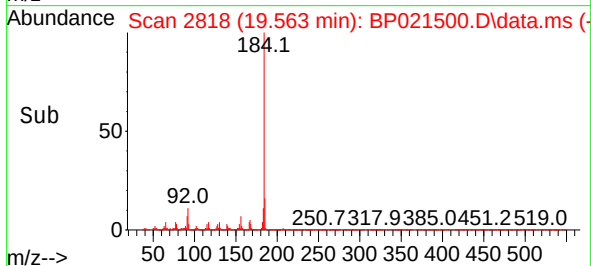
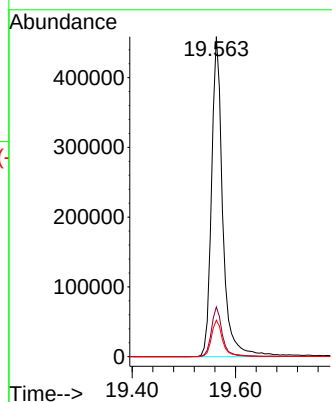
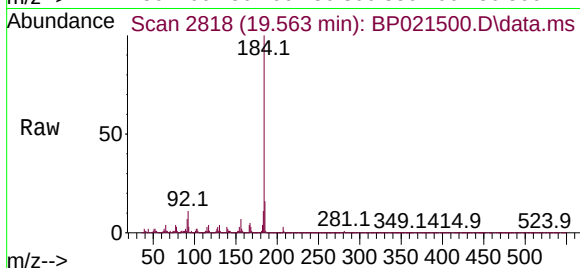
Tgt Ion:184 Resp: 690293

Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.0

183 11.4 9.3 13.9



#78

Pyrene

Concen: 12.261 ng

RT: 19.751 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

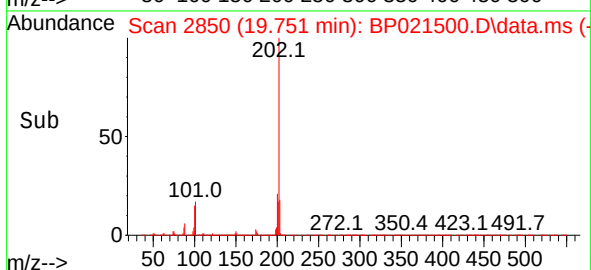
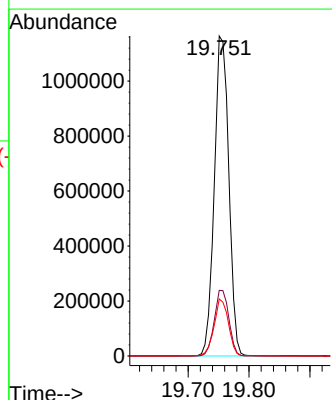
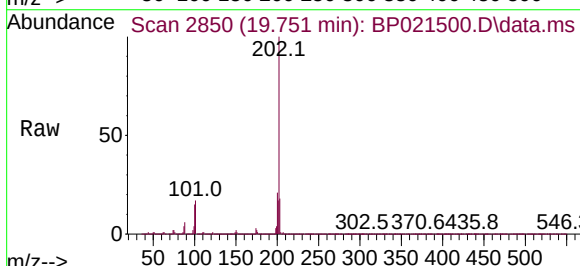
Tgt Ion:202 Resp: 1920613

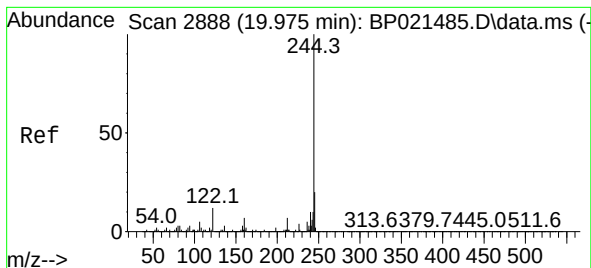
Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 97.738 ng

RT: 19.981 min Scan# 2889

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

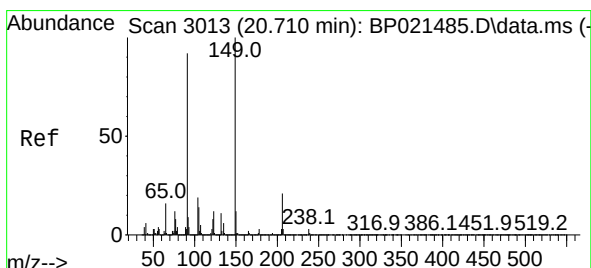
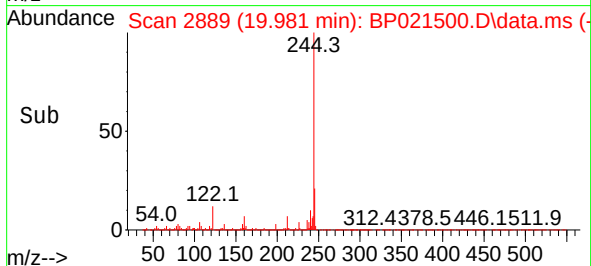
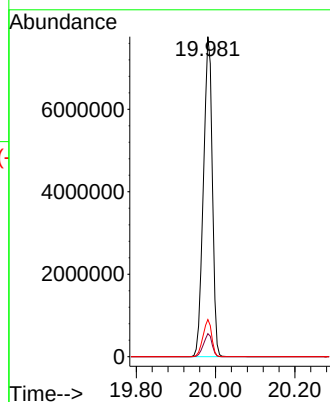
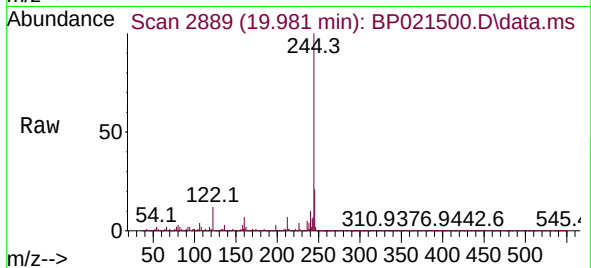
Tgt Ion:244 Resp:12056804

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.6 9.4 14.2



#80

Butylbenzylphthalate

Concen: 10.990 ng

RT: 20.704 min Scan# 3012

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

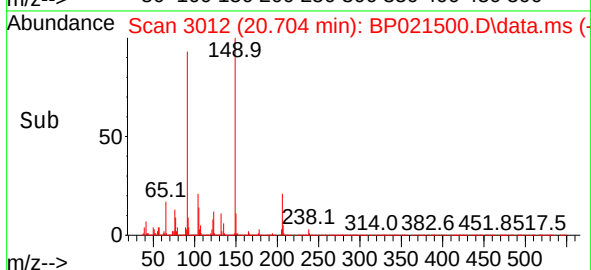
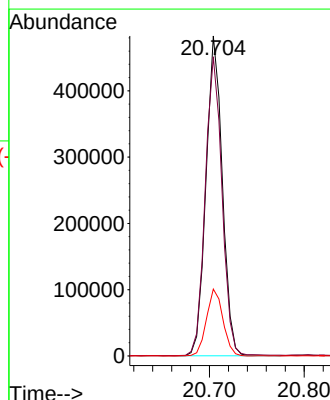
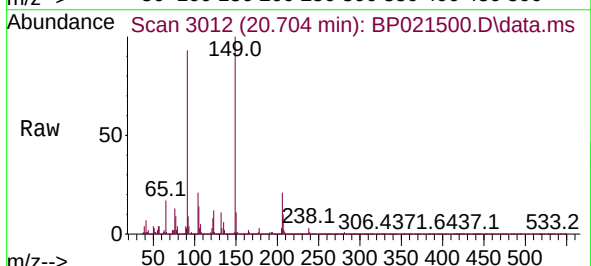
Tgt Ion:149 Resp: 575800

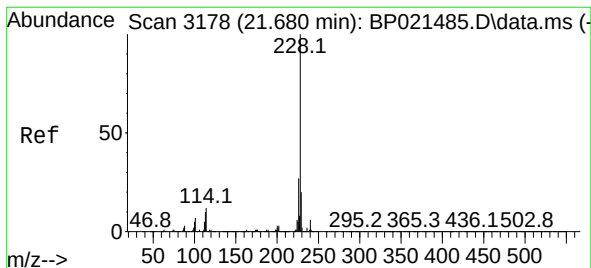
Ion Ratio Lower Upper

149 100

91 93.5 73.3 109.9

206 20.9 17.1 25.7





#81

Benzo(a)anthracene

Concen: 11.862 ng

RT: 21.680 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

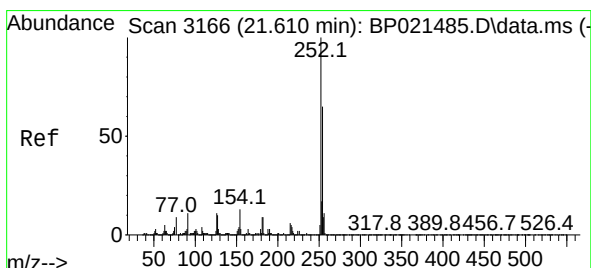
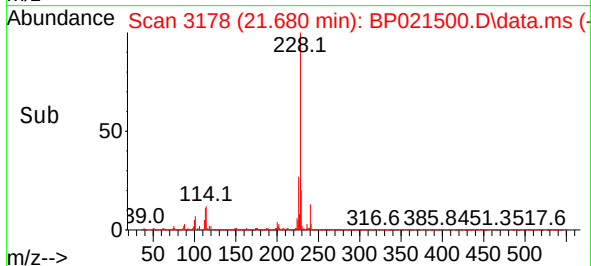
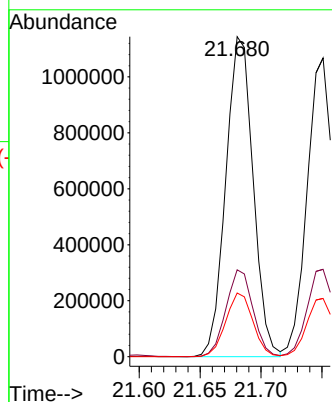
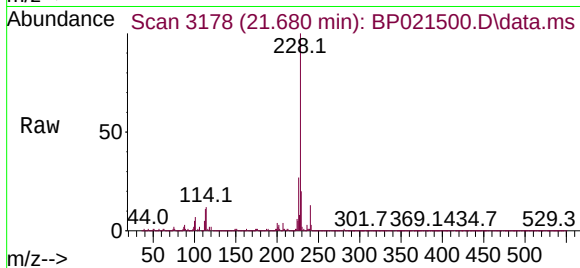
Tgt Ion:228 Resp: 1784515

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 19.9 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 11.586 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

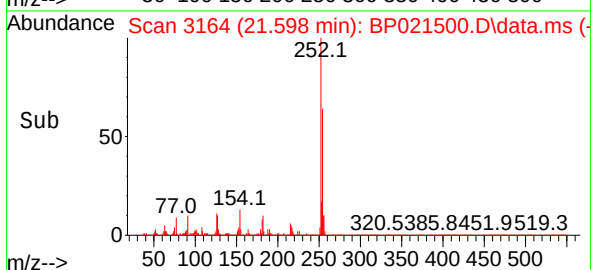
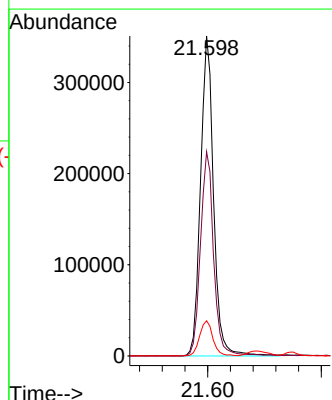
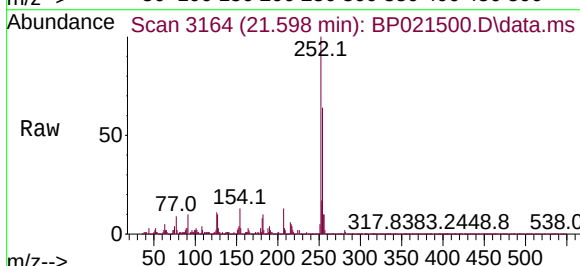
Tgt Ion:252 Resp: 558870

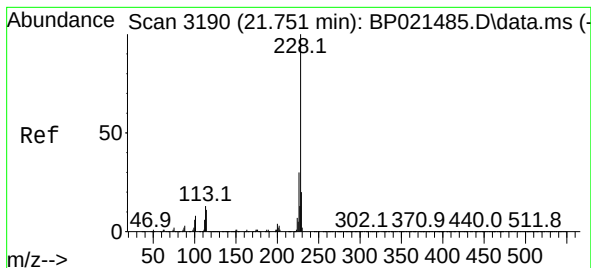
Ion Ratio Lower Upper

252 100

254 63.8 51.7 77.5

126 11.0 8.7 13.1





#83

Chrysene

Concen: 11.618 ng

RT: 21.751 min Scan# 3190

Delta R.T. 0.000 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

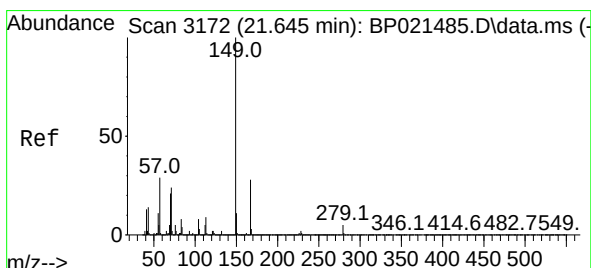
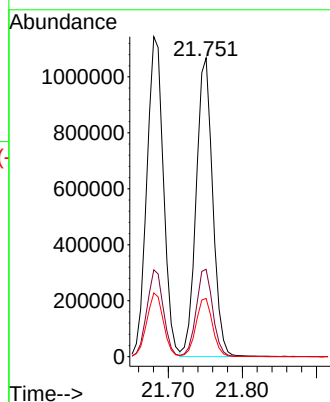
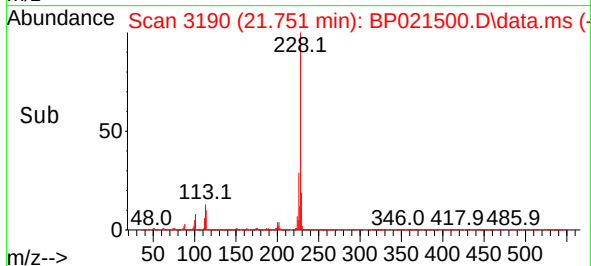
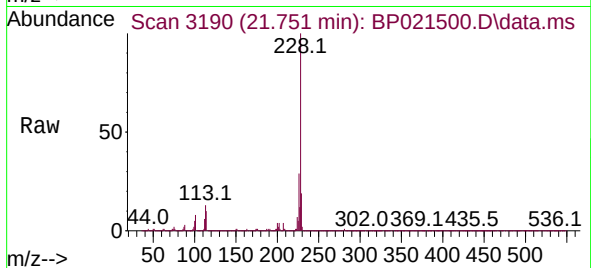
Tgt Ion:228 Resp: 1650227

Ion Ratio Lower Upper

228 100

226 29.2 23.9 35.9

229 19.5 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.508 ng

RT: 21.651 min Scan# 3173

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

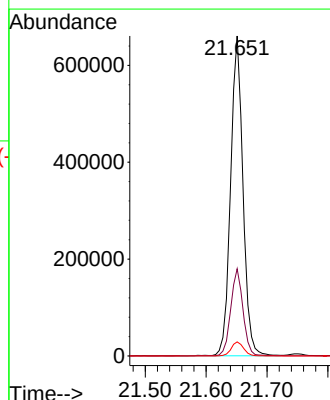
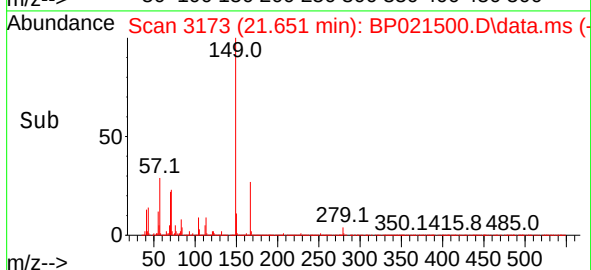
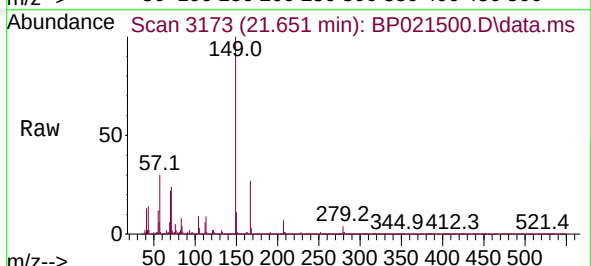
Tgt Ion:149 Resp: 934397

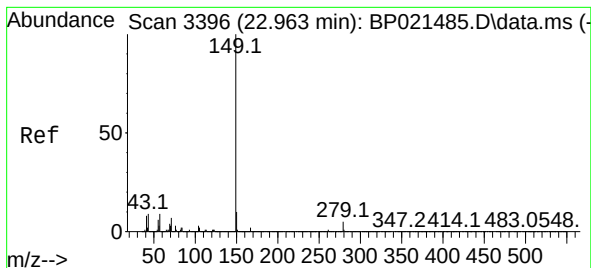
Ion Ratio Lower Upper

149 100

167 27.2 22.3 33.5

279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 11.528 ng

RT: 22.957 min Scan# 3395

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

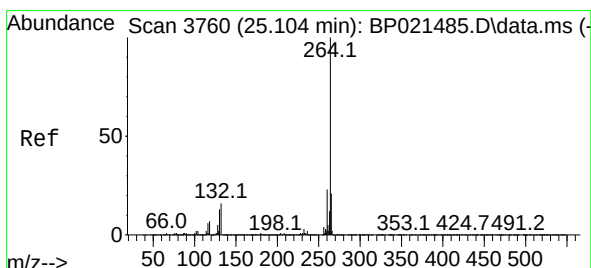
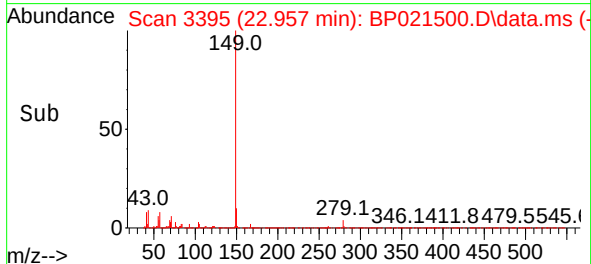
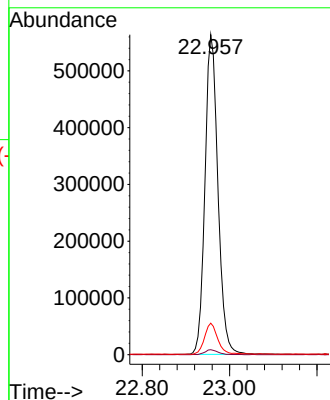
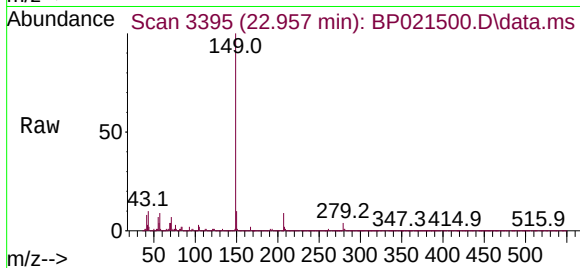
Tgt Ion:149 Resp: 1162330

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.9 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.116 min Scan# 3762

Delta R.T. 0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

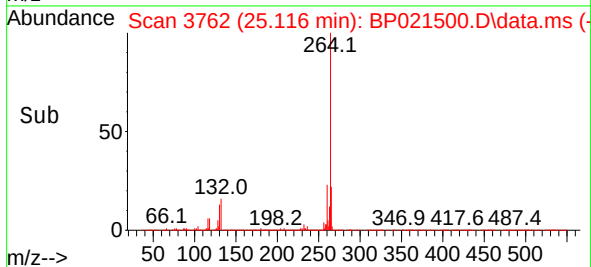
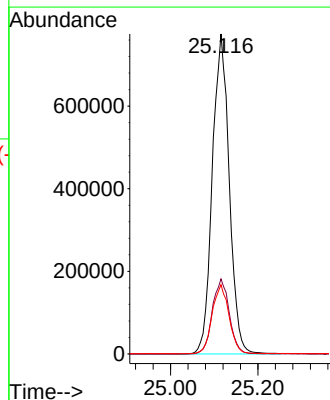
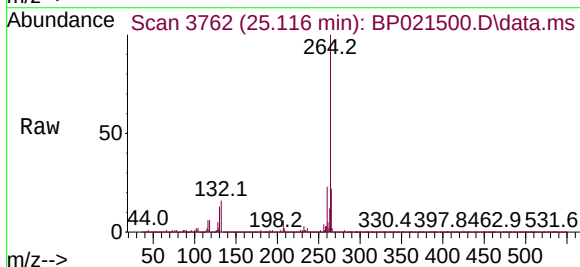
Tgt Ion:264 Resp: 2074680

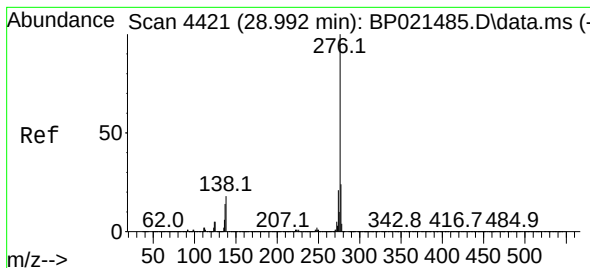
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.076 ng

RT: 28.968 min Scan# 4421

Delta R.T. -0.024 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

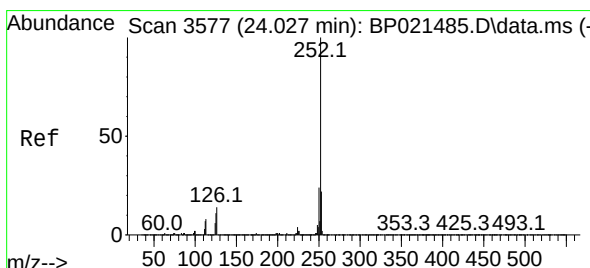
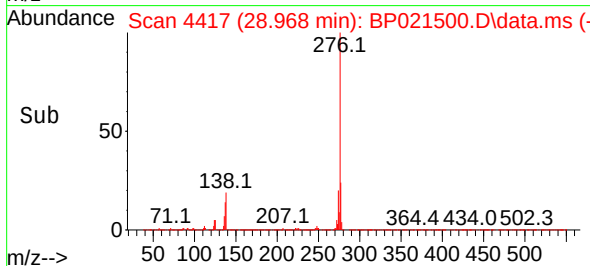
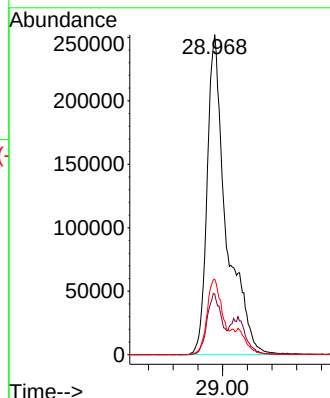
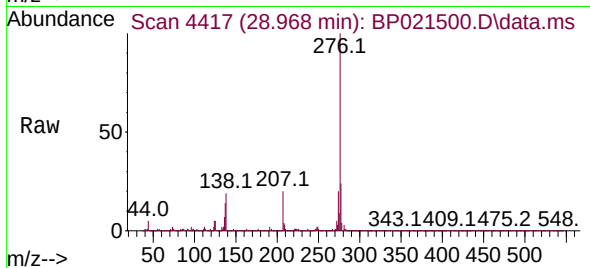
Tgt Ion:276 Resp: 1355109

Ion Ratio Lower Upper

276 100

138 14.9 12.8 19.2

277 19.0 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 12.005 ng

RT: 24.021 min Scan# 3576

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

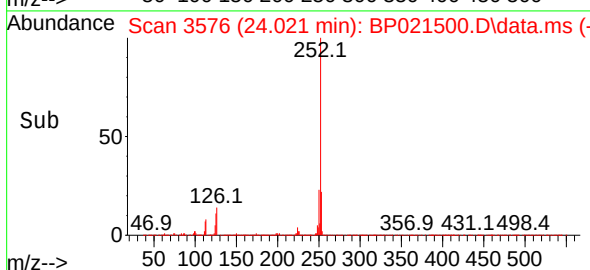
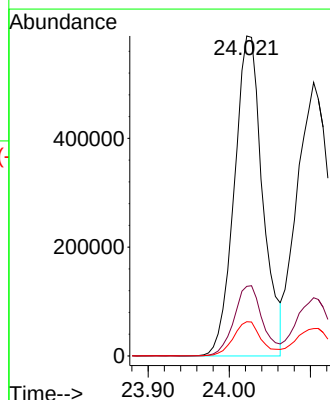
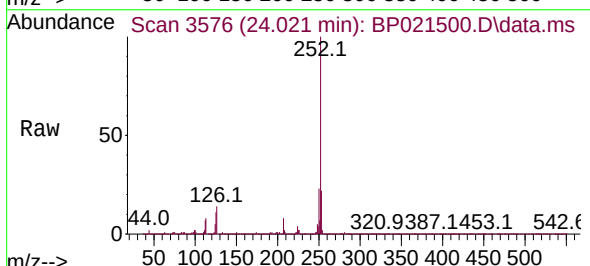
Tgt Ion:252 Resp: 1430412

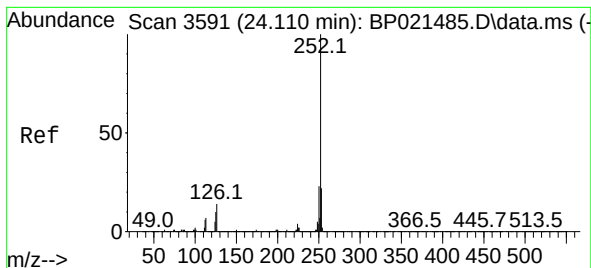
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 12.220 ng

RT: 24.104 min Scan# 3591

Delta R.T. -0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

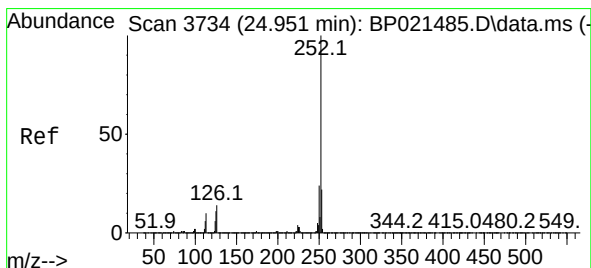
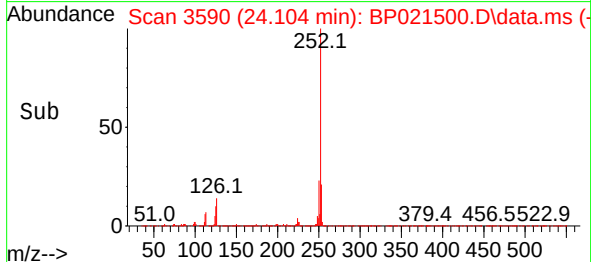
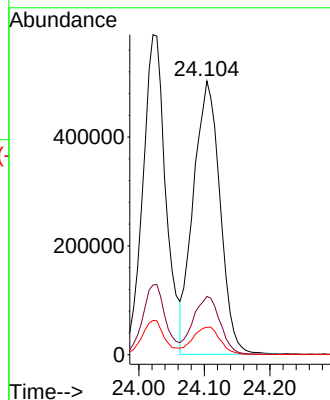
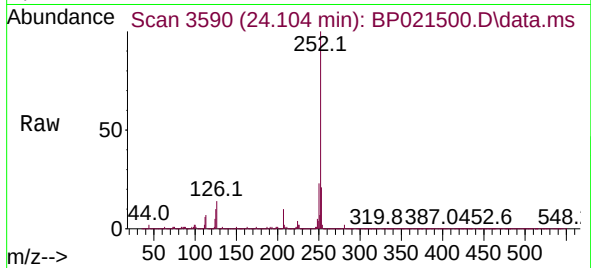
Tgt Ion:252 Resp: 1420351

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 10.0 7.8 11.8



#90

Benzo(a)pyrene

Concen: 11.794 ng

RT: 24.957 min Scan# 3735

Delta R.T. 0.006 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

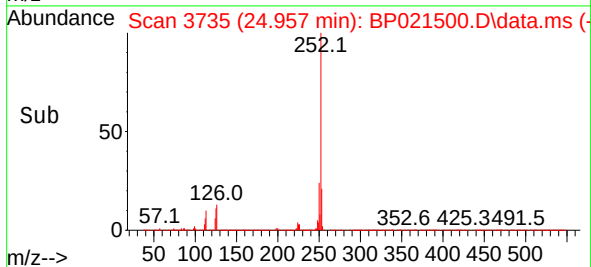
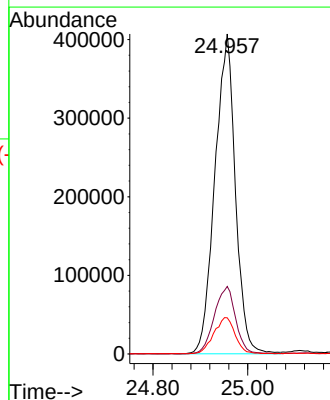
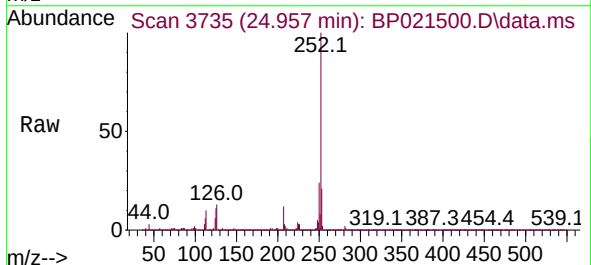
Tgt Ion:252 Resp: 1219567

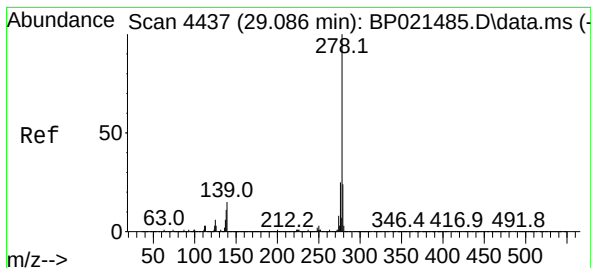
Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

125 11.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 10.099 ng

RT: 29.068 min Scan# 4437

Delta R.T. -0.018 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

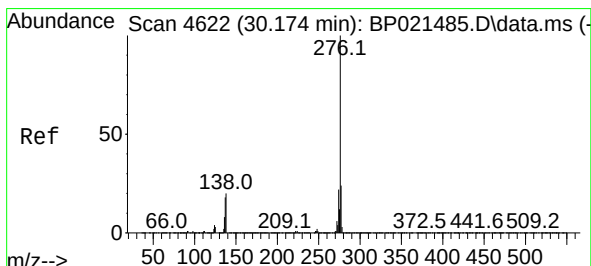
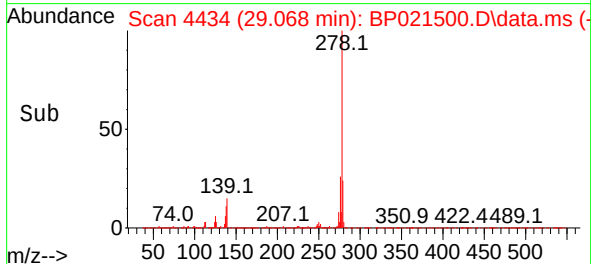
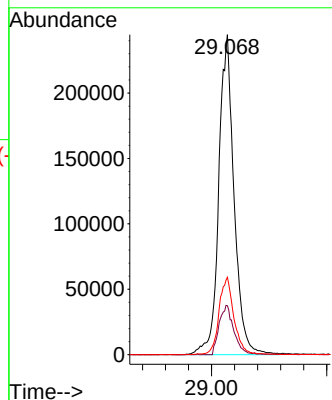
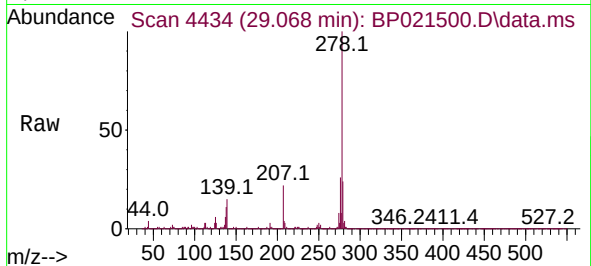
Tgt Ion:278 Resp: 1128497

Ion Ratio Lower Upper

278 100

139 15.3 12.2 18.4

279 24.2 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 9.411 ng

RT: 30.186 min Scan# 4624

Delta R.T. 0.012 min

Lab File: BP021500.D

Acq: 14 Aug 2024 14:56

Tgt Ion:276 Resp: 1054044

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.6

138 19.3 16.0 24.0

