

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111521\
 Data File : BP007981.D
 Acq On : 15 Nov 2021 12:19
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 15 12:56:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 12:21:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	111085	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	450156	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	319845	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	738934	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	944504	20.000	ng	# 0.00
86) Perylene-d12	23.751	264	1128873	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	882964	128.943	ng	0.00
7) Phenol-d6	7.016	99	1201500	131.891	ng	0.00
23) Nitrobenzene-d5	9.005	82	682080	81.084	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	660392	131.229	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	1720356	75.448	ng	0.00
79) Terphenyl-d14	19.810	244	3009350	64.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	24199	8.397	ng	95
3) Pyridine	3.746	79	53922	6.523	ng	97
4) n-Nitrosodimethylamine	3.646	42	27948	9.153	ng	96
6) Aniline	7.169	93	94789	9.214	ng	95
8) 2-Chlorophenol	7.411	128	56461	7.799	ng	97
9) Benzaldehyde	6.981	77	52695	8.969	ng	96
10) Phenol	7.046	94	76240	8.626	ng	96
11) bis(2-Chloroethyl)ether	7.269	93	60223	8.291	ng	94
12) 1,3-Dichlorobenzene	7.728	146	64712	7.949	ng	99
13) 1,4-Dichlorobenzene	7.875	146	65757	7.945	ng	99
14) 1,2-Dichlorobenzene	8.193	146	64011	7.659	ng	97
15) Benzyl Alcohol	8.087	79	52815	7.665	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.375	45	64458	7.343	ng	94
17) 2-Methylphenol	8.287	107	46276	7.603	ng	98
18) Hexachloroethane	8.922	117	23110	8.234	ng	95
19) n-Nitroso-di-n-propyla...	8.652	70	43506	7.672	ng	# 96
20) 3+4-Methylphenols	8.622	107	63152	7.487	ng	96
22) Acetophenone	8.663	105	88080	7.692	ng	# 99
24) Nitrobenzene	9.040	77	70417	8.759	ng	99
25) Isophorone	9.575	82	113111	7.731	ng	97
26) 2-Nitrophenol	9.758	139	28943	7.052	ng	# 90
27) 2,4-Dimethylphenol	9.822	122	53334	8.797	ng	97
28) bis(2-Chloroethoxy)met...	10.052	93	72158	7.432	ng	97
29) 2,4-Dichlorophenol	10.299	162	56216	7.532	ng	97
30) 1,2,4-Trichlorobenzene	10.505	180	66604	7.800	ng	99
31) Naphthalene	10.693	128	186223	8.101	ng	99
32) Benzoic acid	9.916	122	21079	4.023	ng	96
33) 4-Chloroaniline	10.805	127	78051	7.905	ng	98
34) Hexachlorobutadiene	10.981	225	45755	7.842	ng	98
35) Caprolactam	11.587	113	16067	9.803	ng	# 86
36) 4-Chloro-3-methylphenol	11.940	107	62625	7.426	ng	99
37) 2-Methylnaphthalene	12.304	142	137840	8.205	ng	97
38) 1-Methylnaphthalene	12.522	142	130958	7.993	ng	99
40) 1,2,4,5-Tetrachloroben...	12.675	216	78959	7.409	ng	98
41) Hexachlorocyclopentadiene	12.657	237	32370	6.615	ng	94
43) 2,4,6-Trichlorophenol	12.916	196	50067	6.875	ng	99

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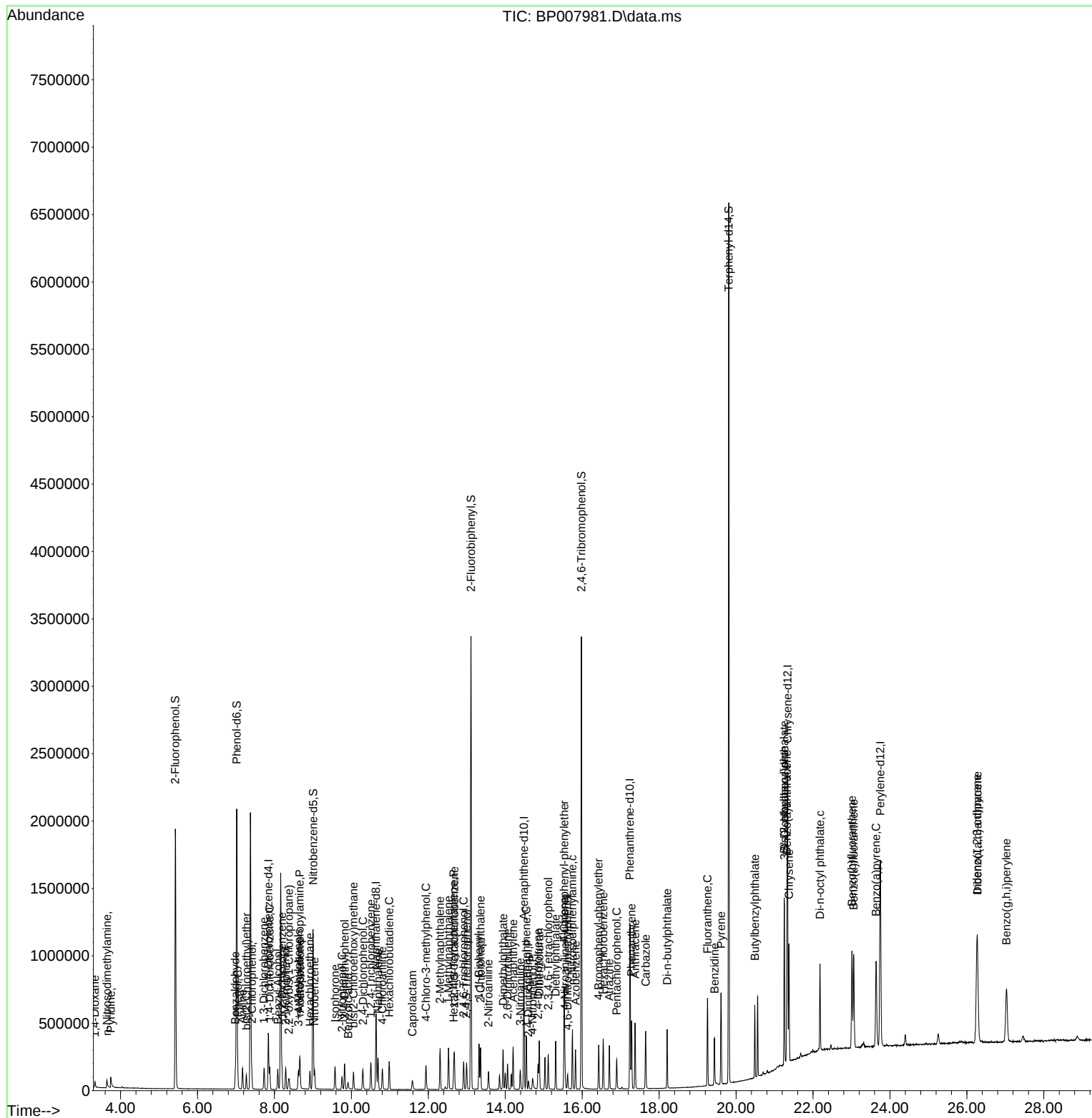
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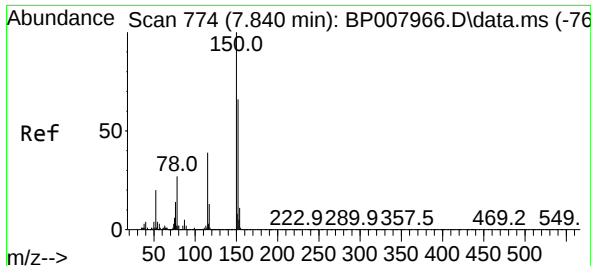
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	54900	6.938	ng	98
46) 1,1'-Biphenyl	13.316	154	178310	7.464	ng	99
47) 2-Chloronaphthalene	13.357	162	144339	7.724	ng	96
48) 2-Nitroaniline	13.563	65	35065	6.611	ng	96
49) Acenaphthylene	14.204	152	221265	7.784	ng	98
50) Dimethylphthalate	13.946	163	187756	7.420	ng	99
51) 2,6-Dinitrotoluene	14.057	165	37847	7.199	ng	95
52) Acenaphthene	14.546	154	136079	7.997	ng	99
53) 3-Nitroaniline	14.393	138	36870	6.879	ng #	98
54) 2,4-Dinitrophenol	14.598	184	14764	4.654	ng	91
55) Dibenzofuran	14.887	168	229952	7.947	ng	96
56) 4-Nitrophenol	14.710	139	27934	6.395	ng	94
57) 2,4-Dinitrotoluene	14.851	165	51199	7.317	ng	92
58) Fluorene	15.534	166	181114	7.867	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.116	232	52306	7.258	ng	93
60) Diethylphthalate	15.310	149	186676	7.654	ng	100
61) 4-Chlorophenyl-phenyle...	15.534	204	100727	8.089	ng	98
62) 4-Nitroaniline	15.551	138	38761	7.036	ng	90
63) Azobenzene	15.828	77	158155	7.702	ng	99
65) 4,6-Dinitro-2-methylph...	15.622	198	25436	5.252	ng	94
66) n-Nitrosodiphenylamine	15.745	169	162366	7.676	ng	98
67) 4-Bromophenyl-phenylether	16.428	248	63672	7.367	ng	97
68) Hexachlorobenzene	16.545	284	76001	7.808	ng	94
69) Atrazine	16.704	200	62123	11.266	ng	99
70) Pentachlorophenol	16.898	266	41048	6.916	ng	99
71) Phenanthrene	17.281	178	307063	7.800	ng	100
72) Anthracene	17.375	178	309812	8.028	ng	99
73) Carbazole	17.651	167	279136	7.345	ng	100
74) Di-n-butylphthalate	18.210	149	304435	7.078	ng	99
75) Fluoranthene	19.257	202	389336	7.811	ng	97
77) Benzidine	19.439	184	209291	14.442	ng	99
78) Pyrene	19.610	202	415978	7.365	ng	100
80) Butylbenzylphthalate	20.486	149	147997	6.346	ng	99
81) Benzo(a)anthracene	21.322	228	458340	7.371	ng	99
82) 3,3'-Dichlorobenzidine	21.257	252	176909	6.164	ng	99
83) Chrysene	21.375	228	463972	7.785	ng	98
84) Bis(2-ethylhexyl)phtha...	21.251	149	239149	7.182	ng	99
85) Di-n-octyl phthalate	22.180	149	418456	6.819	ng	97
87) Indeno(1,2,3-cd)pyrene	26.263	276	654373	8.029	ng #	94
88) Benzo(b)fluoranthene	23.010	252	520791	7.750	ng	98
89) Benzo(k)fluoranthene	23.057	252	521478	7.768	ng	99
90) Benzo(a)pyrene	23.639	252	511758	8.904	ng	98
91) Dibenzo(a,h)anthracene	26.274	278	556763	8.235	ng	97
92) Benzo(g,h,i)perylene	27.027	276	553783	8.309	ng	95

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

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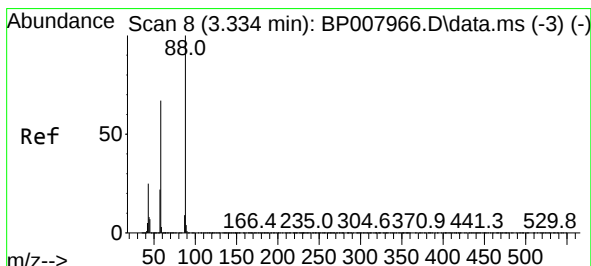
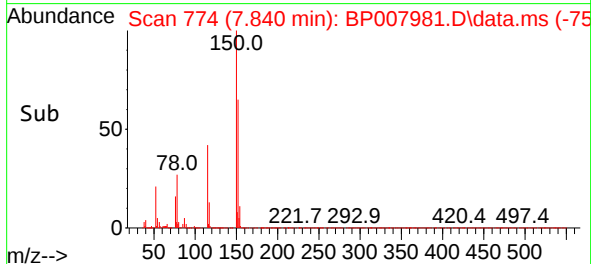
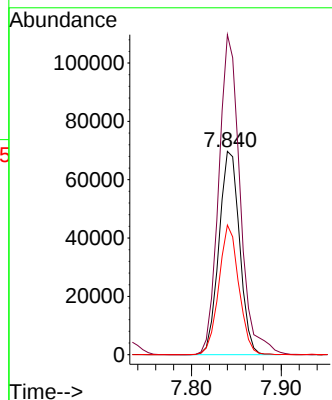
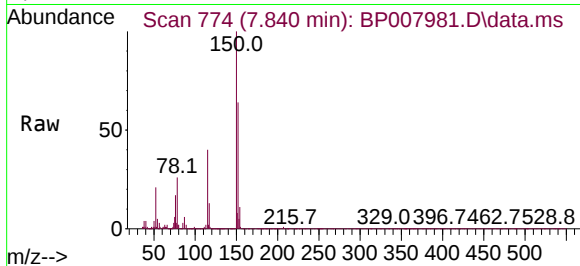




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.840 min Scan# 7
 Delta R.T. -0.000 min
 Lab File: BP007981.D
 Acq: 15 Nov 2021 12:19

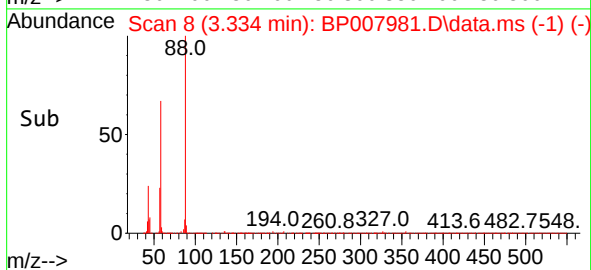
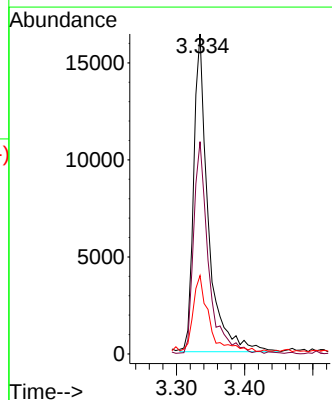
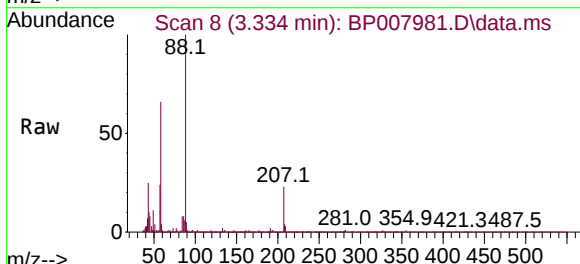
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

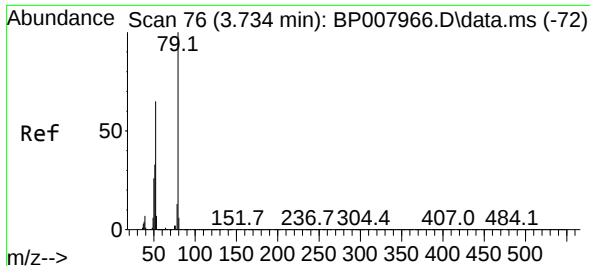
Tgt Ion:152 Resp: 111085
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.1 186.1
 115 63.7 48.1 72.1



#2
 1,4-Dioxane
 Concen: 8.397 ng
 RT: 3.334 min Scan# 8
 Delta R.T. 0.000 min
 Lab File: BP007981.D
 Acq: 15 Nov 2021 12:19

Tgt Ion: 88 Resp: 24199
 Ion Ratio Lower Upper
 88 100
 58 67.8 58.1 87.1
 43 25.6 22.2 33.4

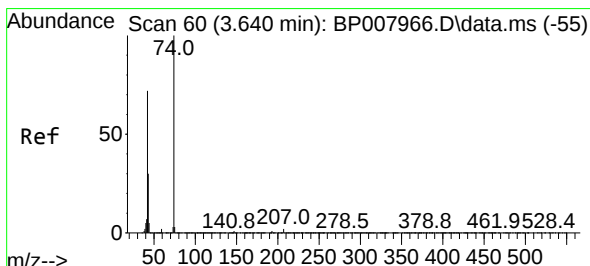
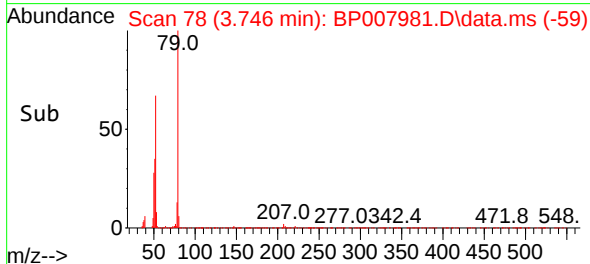
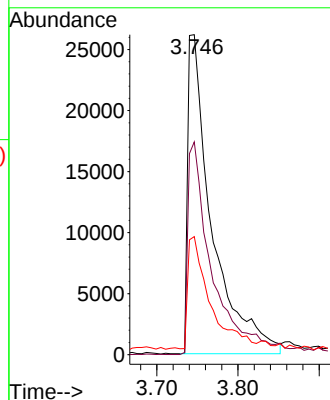
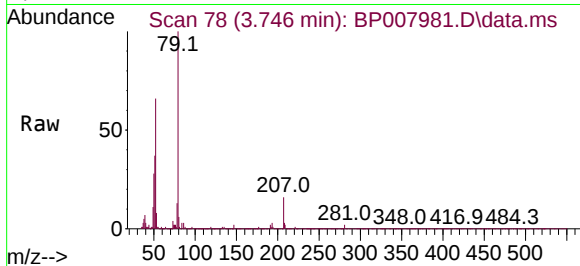




#3
Pyridine
Concen: 6.523 ng
RT: 3.746 min Scan# 71
Delta R.T. 0.012 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

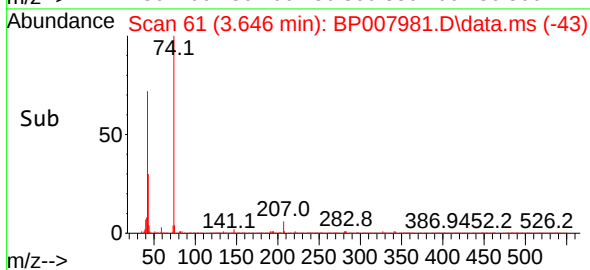
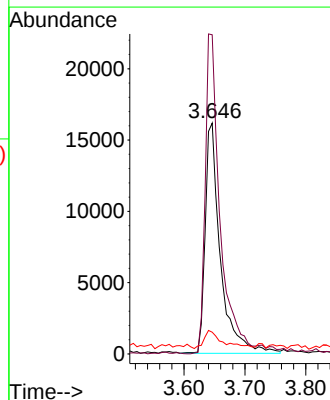
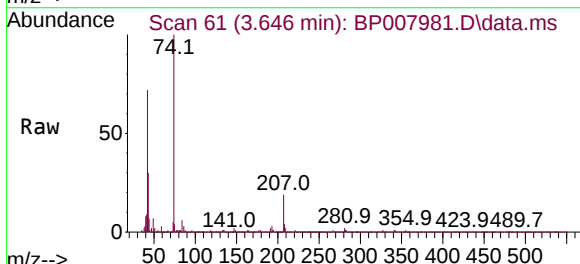
Instrument :
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ClientSampleId :
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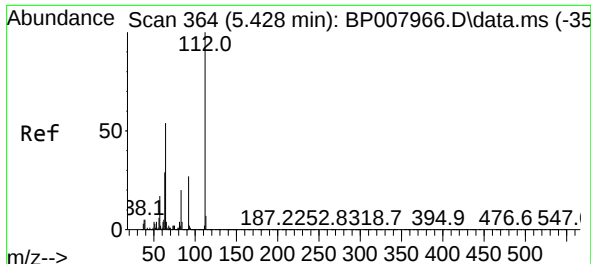
Tgt Ion: 79 Resp: 53922
Ion Ratio Lower Upper
79 100
52 66.5 55.7 83.5
51 36.9 28.5 42.7



#4
n-Nitrosodimethylamine
Concen: 9.153 ng
RT: 3.646 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 42 Resp: 27948
Ion Ratio Lower Upper
42 100
74 138.2 107.0 160.4
44 9.4 7.4 11.2

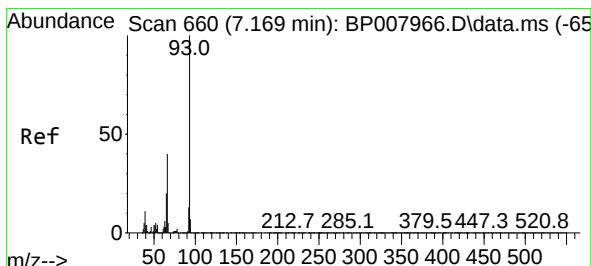
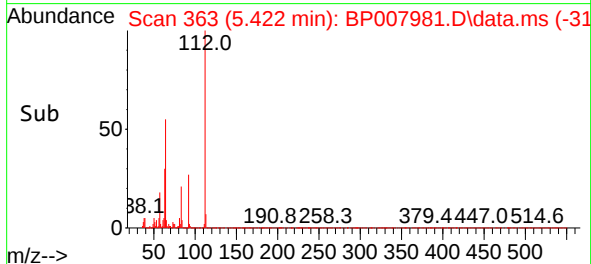
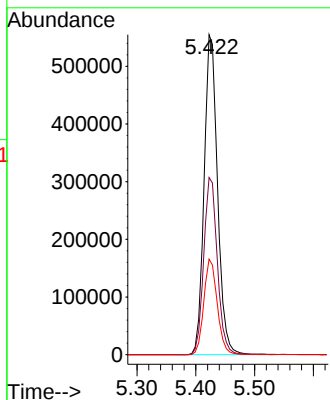
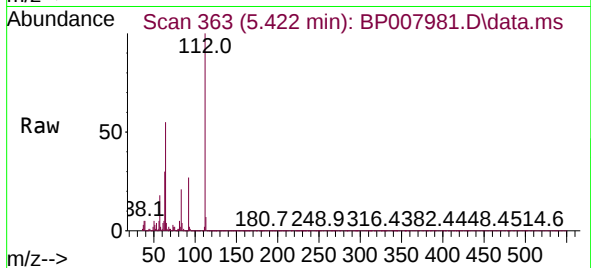




#5
2-Fluorophenol
Concen: 128.943 ng
RT: 5.422 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

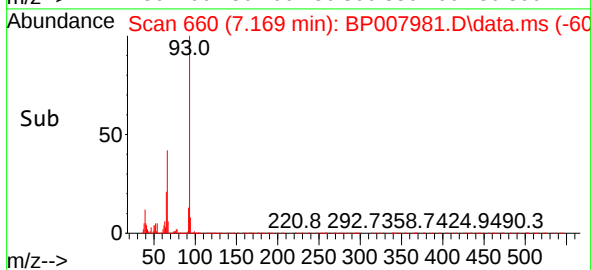
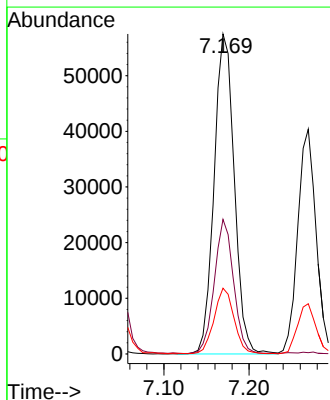
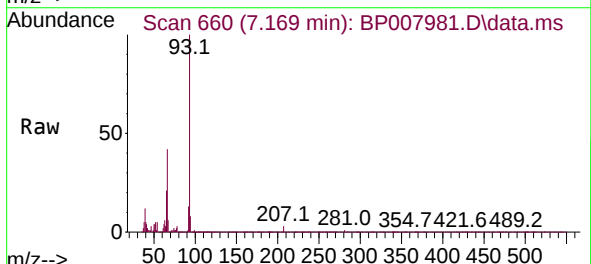
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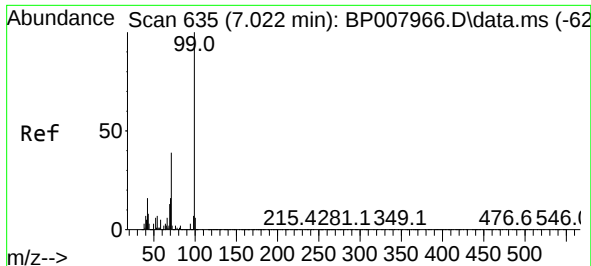
Tgt Ion:112 Resp: 882964
Ion Ratio Lower Upper
112 100
64 55.4 46.6 70.0
63 29.9 25.0 37.6



#6
Aniline
Concen: 9.214 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 93 Resp: 94789
Ion Ratio Lower Upper
93 100
66 42.1 30.5 45.7
65 20.5 15.8 23.8

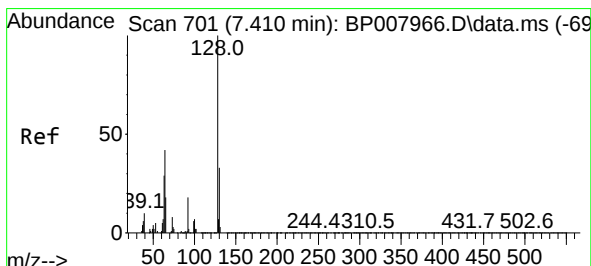
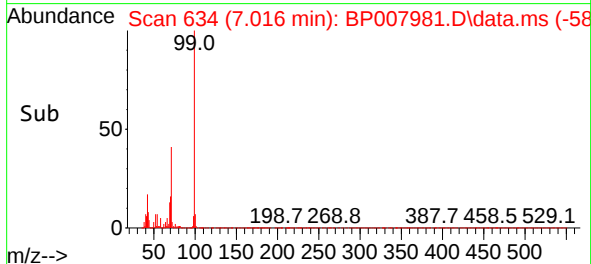
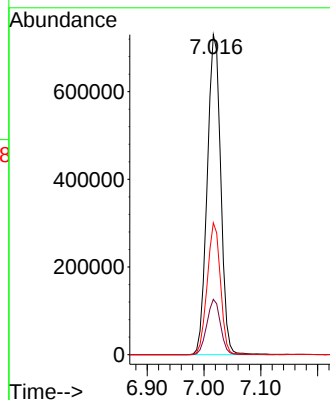
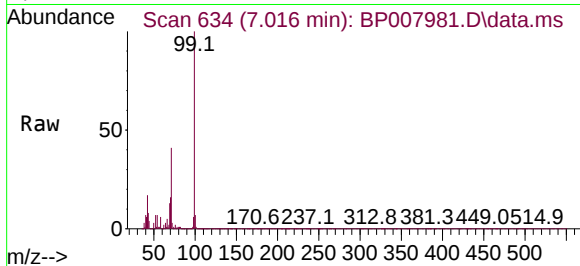




#7
Phenol-d6
Concen: 131.891 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

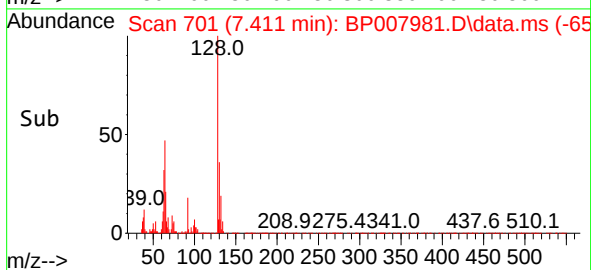
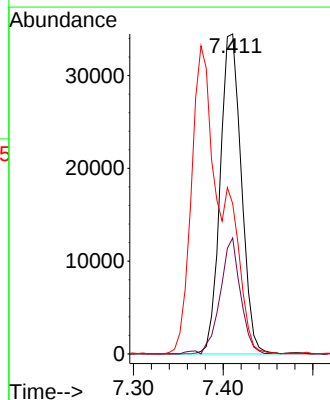
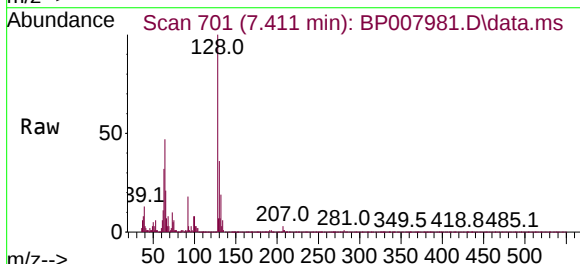
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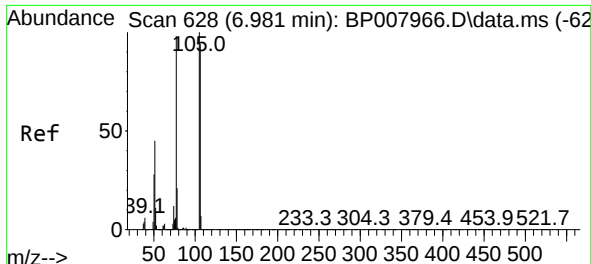
Tgt Ion: 99 Resp: 1201500
Ion Ratio Lower Upper
99 100
42 17.3 14.9 22.3
71 41.2 29.2 43.8



#8
2-Chlorophenol
Concen: 7.799 ng
RT: 7.411 min Scan# 701
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 128 Resp: 56461
Ion Ratio Lower Upper
128 100
130 36.3 12.0 52.0
64 47.0 27.0 67.0

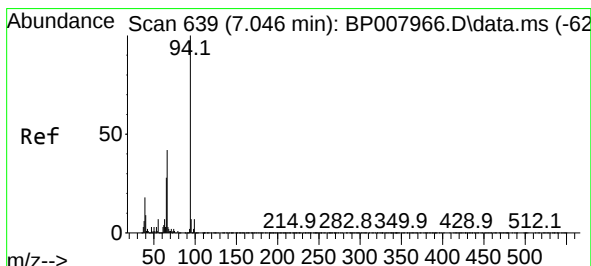
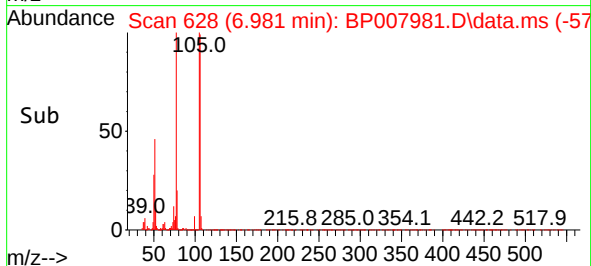
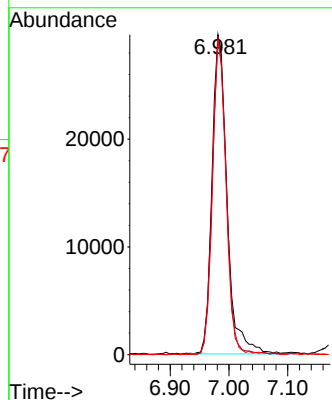
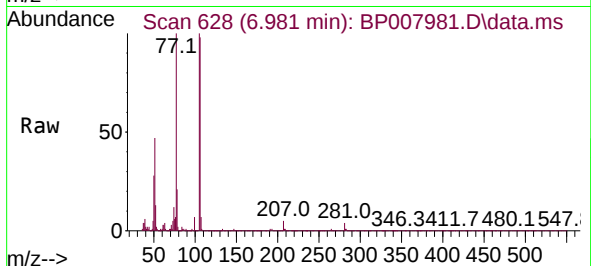




#9
Benzaldehyde
Concen: 8.969 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
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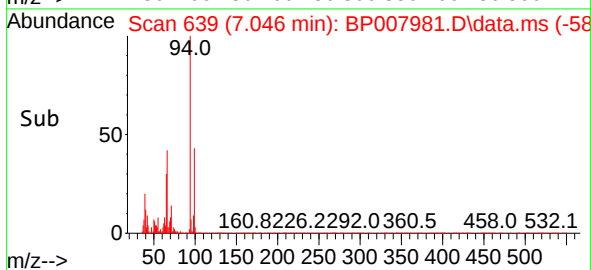
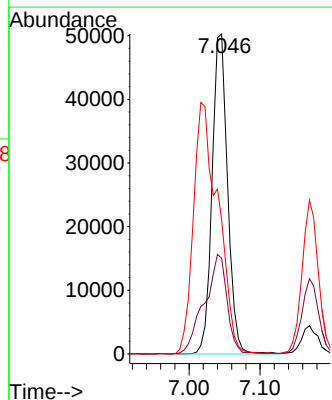
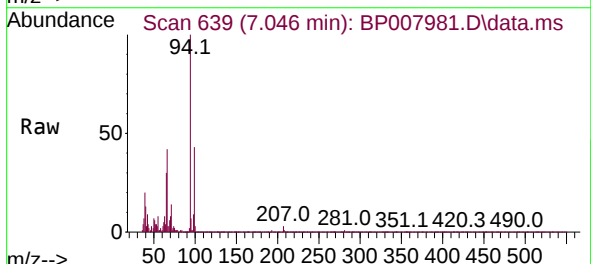
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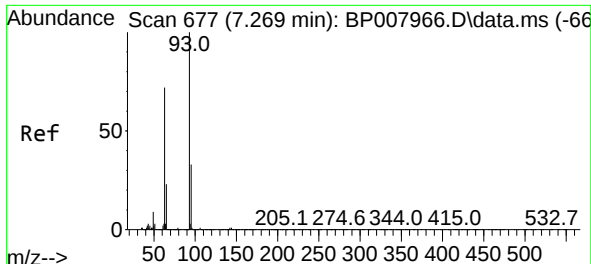
Tgt Ion: 77 Resp: 52695
Ion Ratio Lower Upper
77 100
105 99.6 77.5 117.5
106 98.4 72.1 112.1



#10
Phenol
Concen: 8.626 ng
RT: 7.046 min Scan# 639
Delta R.T. -0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 94 Resp: 76240
Ion Ratio Lower Upper
94 100
65 30.0 8.2 48.2
66 41.9 18.8 58.8

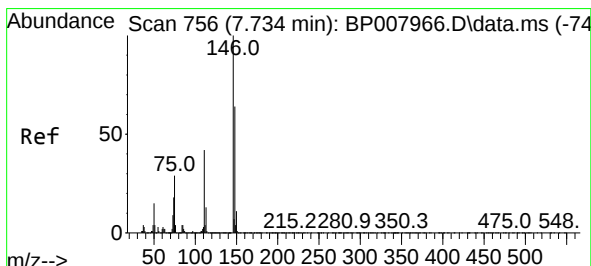
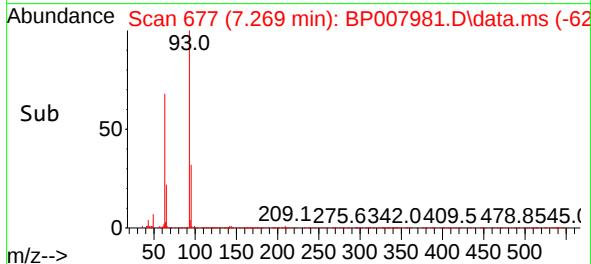
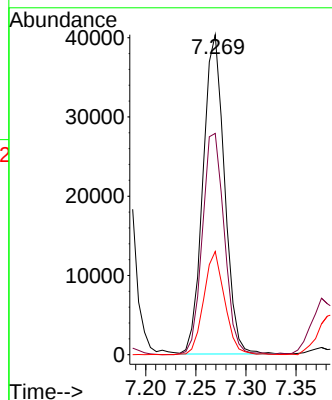
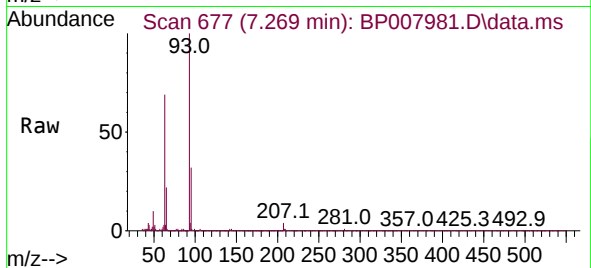




#11
bis(2-Chloroethyl)ether
Concen: 8.291 ng
RT: 7.269 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

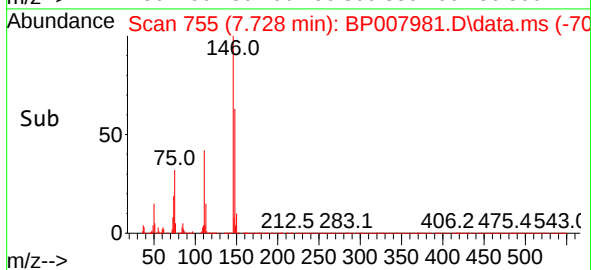
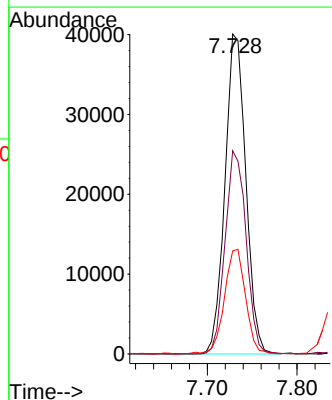
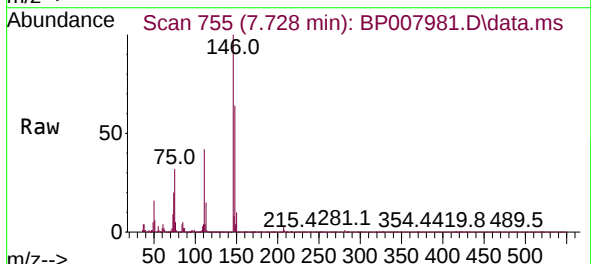
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

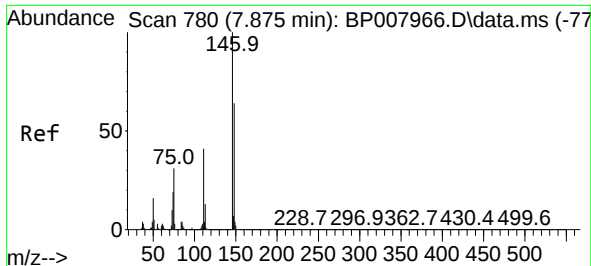
Tgt Ion: 93 Resp: 60223
Ion Ratio Lower Upper
93 100
63 69.2 55.7 95.7
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 7.949 ng
RT: 7.728 min Scan# 755
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 146 Resp: 64712
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.0
75 32.2 26.1 39.1

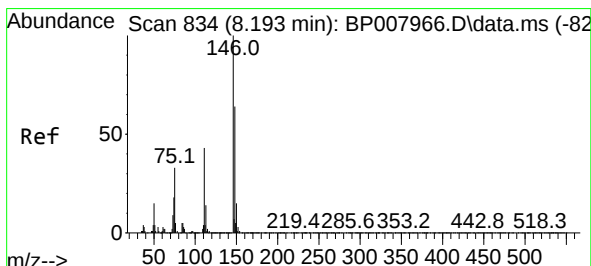
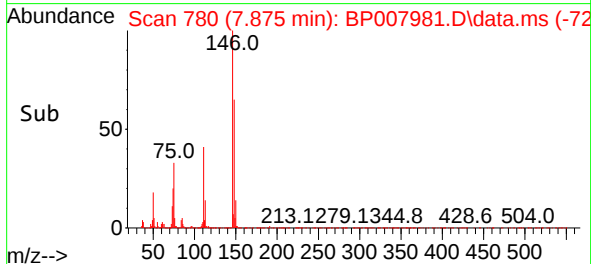
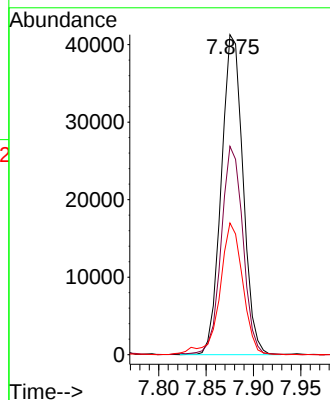
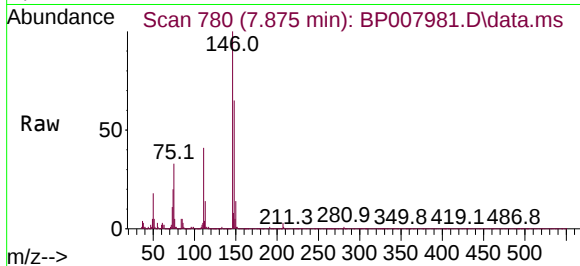




#13
1,4-Dichlorobenzene
Concen: 7.945 ng
RT: 7.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

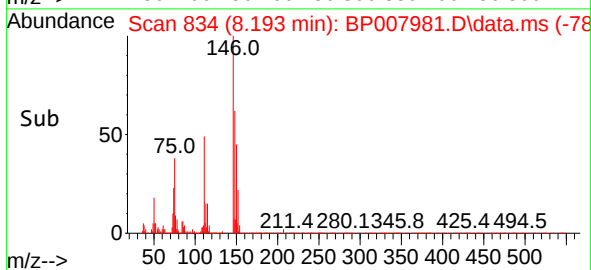
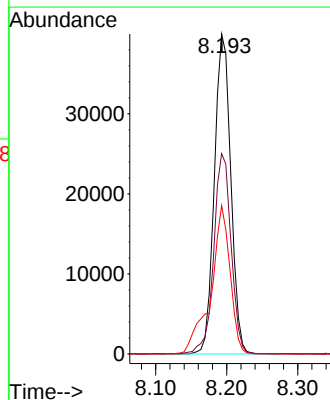
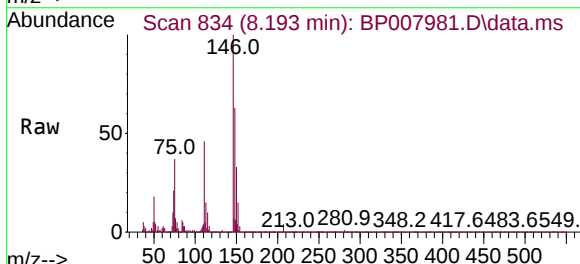
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

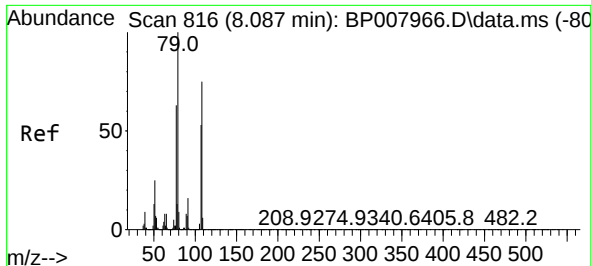
Tgt Ion:146 Resp: 65757
Ion Ratio Lower Upper
146 100
148 65.1 51.0 76.6
111 41.2 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 7.659 ng
RT: 8.193 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:146 Resp: 64011
Ion Ratio Lower Upper
146 100
148 62.6 51.5 77.3
111 46.4 35.1 52.7

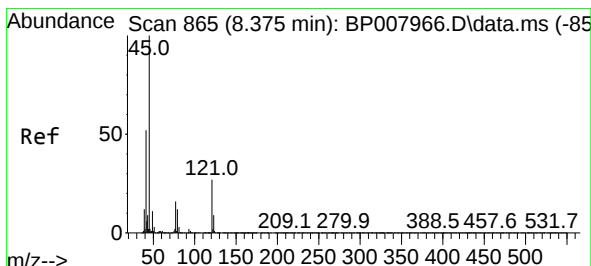
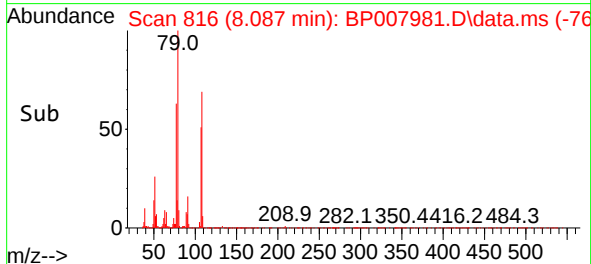
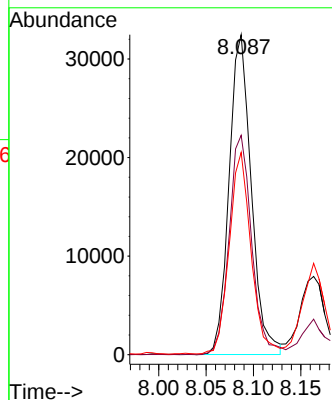
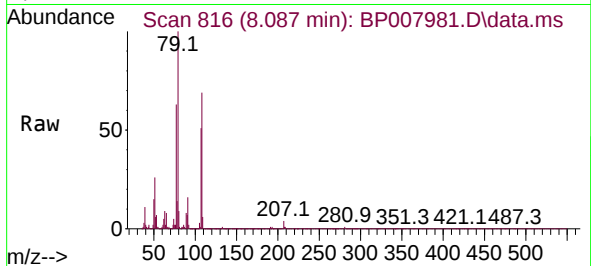




#15
Benzyl Alcohol
Concen: 7.665 ng
RT: 8.087 min Scan# 816
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

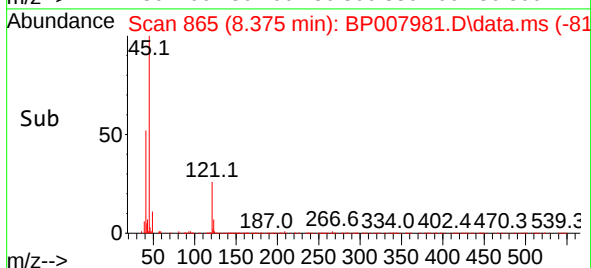
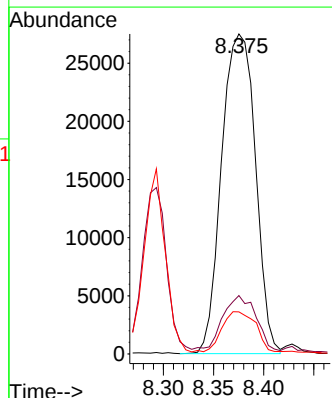
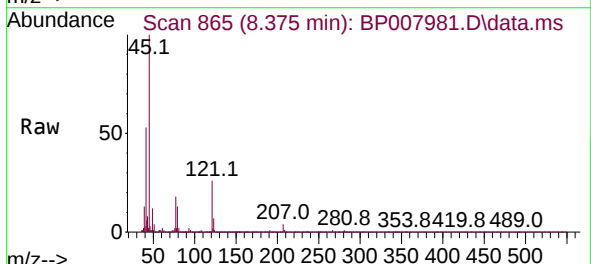
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

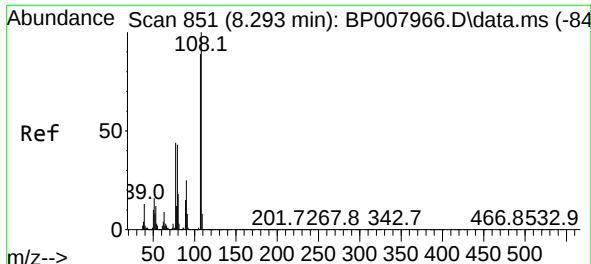
Tgt Ion: 79 Resp: 52815
Ion Ratio Lower Upper
79 100
108 68.6 59.9 89.9
77 63.2 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.343 ng
RT: 8.375 min Scan# 865
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 45 Resp: 64458
Ion Ratio Lower Upper
45 100
77 18.2 0.0 34.9
79 13.2 0.0 31.7

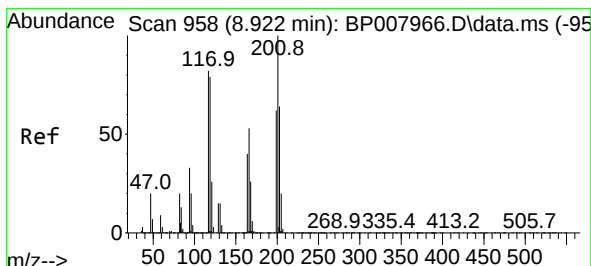
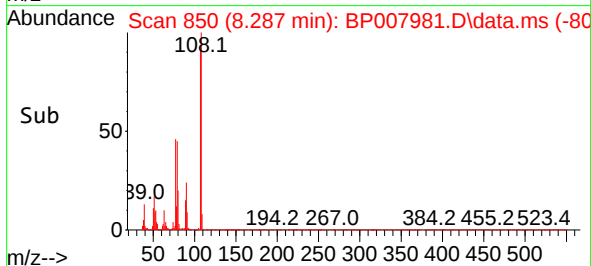
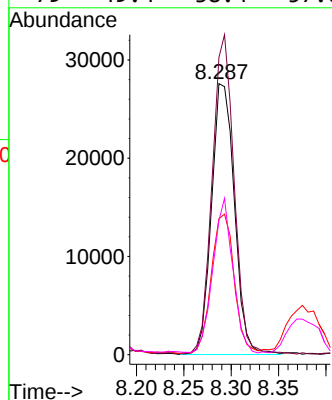
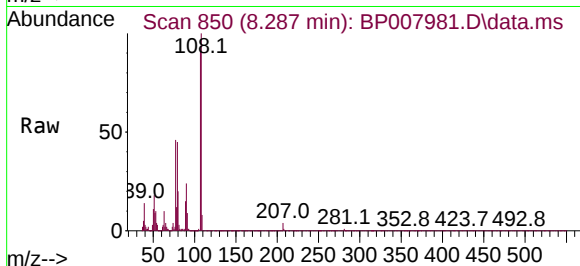




#17
2-Methylphenol
Concen: 7.603 ng
RT: 8.287 min Scan# 851
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

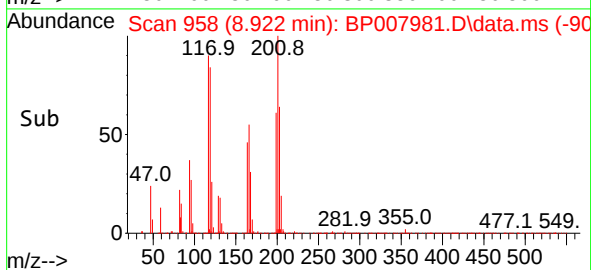
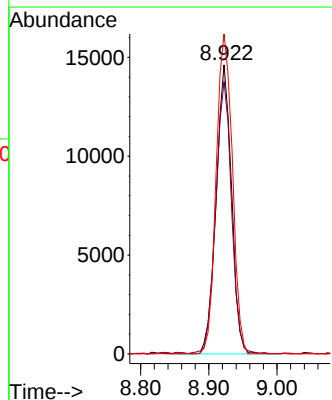
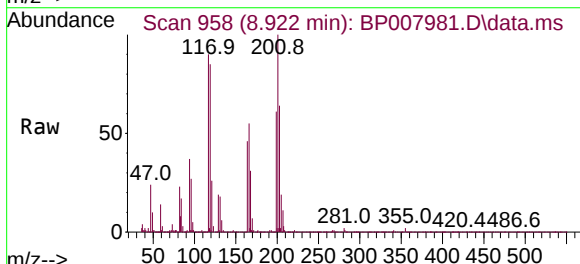
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

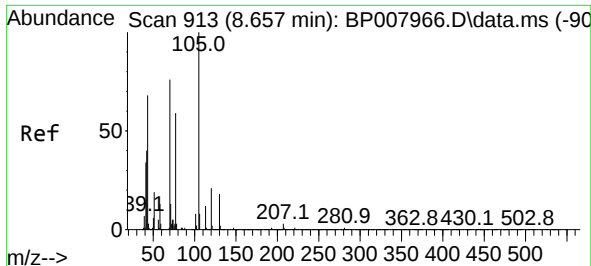
Tgt Ion:	107	Resp:	46276
Ion	Ratio	Lower	Upper
107	100		
108	109.6	89.2	133.8
77	50.2	38.5	57.7
79	49.4	38.4	57.6



#18
Hexachloroethane
Concen: 8.234 ng
RT: 8.922 min Scan# 958
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	117	Resp:	23110
Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.6	116.4
201	110.7	82.9	124.3

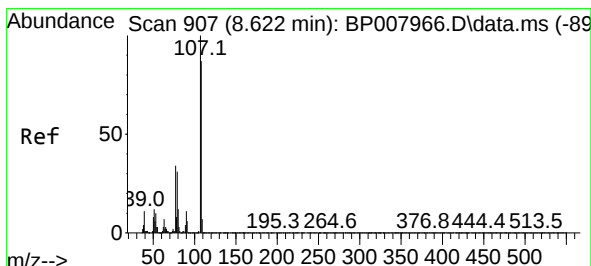
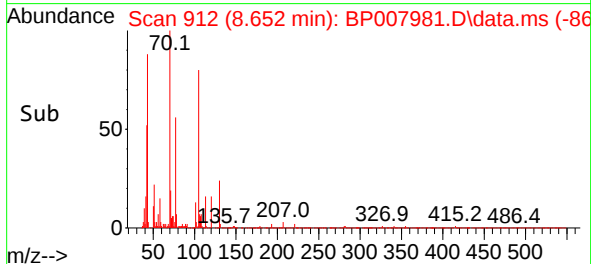
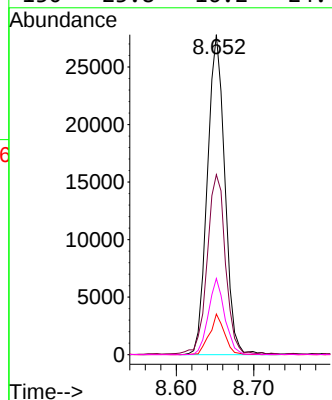
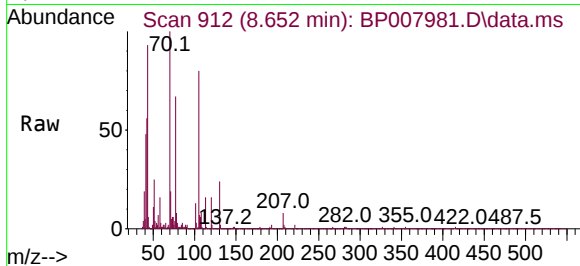




#19
n-Nitroso-di-n-propylamine
Concen: 7.672 ng
RT: 8.652 min Scan# 913
Delta R.T. -0.005 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

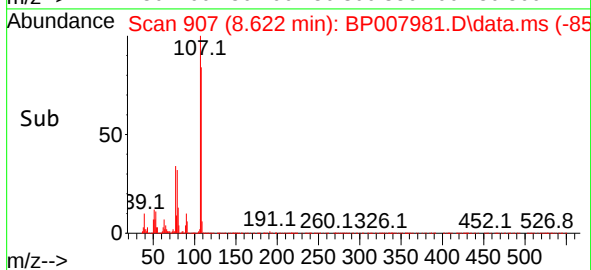
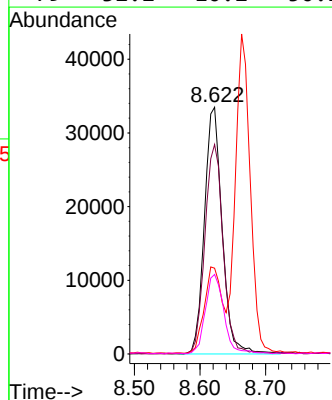
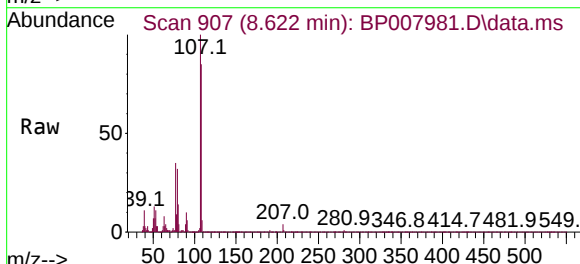
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

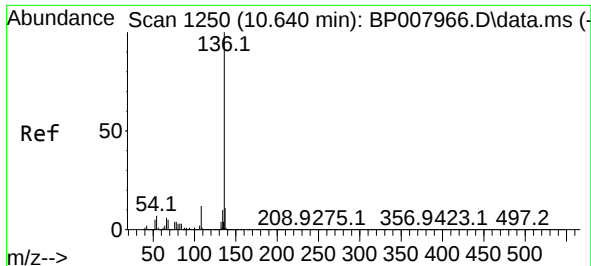
Tgt Ion:	70	Resp:	43506
Ion	Ratio	Lower	Upper
70	100		
42	56.2	46.2	69.2
101	12.7	7.7	11.5
130	23.8	16.2	24.4



#20
3+4-Methylphenols
Concen: 7.487 ng
RT: 8.622 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	107	Resp:	63152
Ion	Ratio	Lower	Upper
107	100		
108	84.9	69.2	109.2
77	34.7	13.8	53.8
79	32.2	10.2	50.2

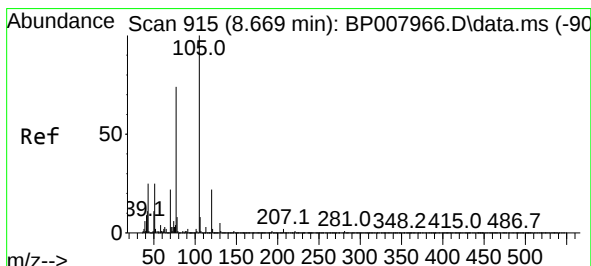
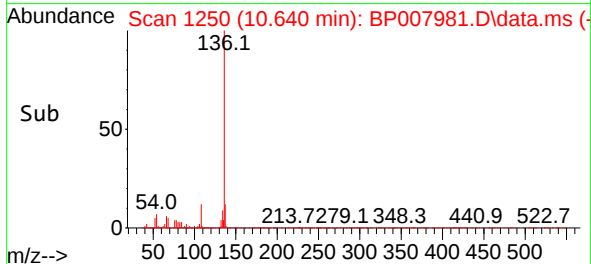
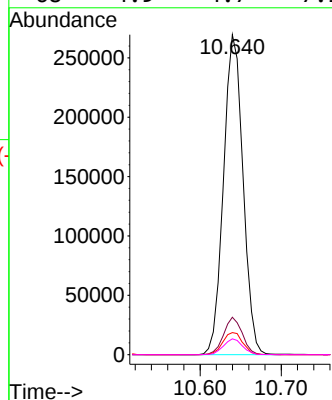
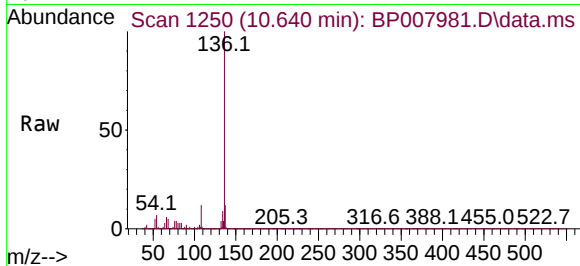




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

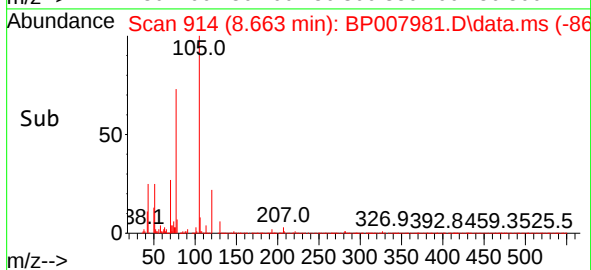
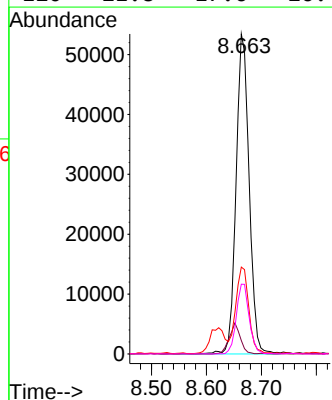
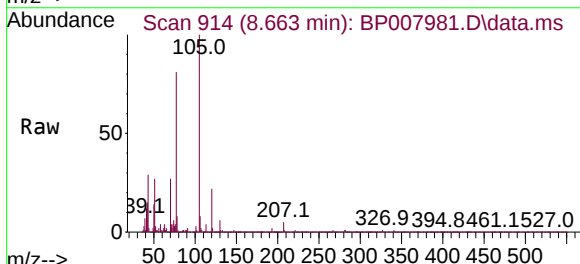
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

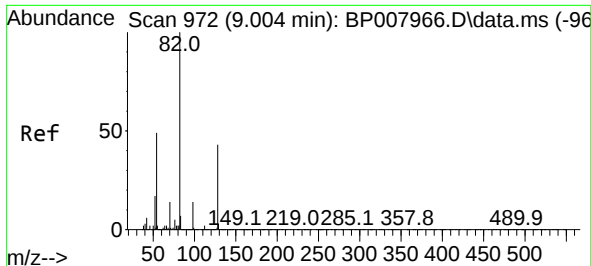
Tgt Ion:	136	Resp:	450156
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.6	13.0
54	6.9	6.2	9.4
68	4.9	4.7	7.1



#22
Acetophenone
Concen: 7.692 ng
RT: 8.663 min Scan# 914
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	105	Resp:	88080
Ion Ratio	Lower	Upper	
105	100		
71	4.2	4.5	6.7#
51	27.2	21.8	32.8
120	21.8	17.6	26.4

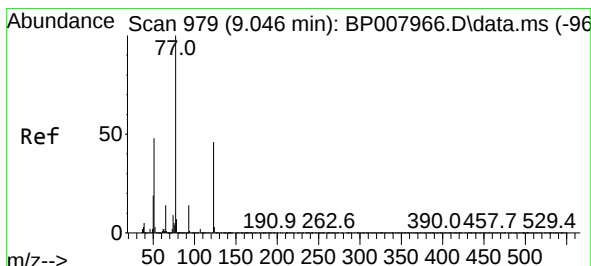
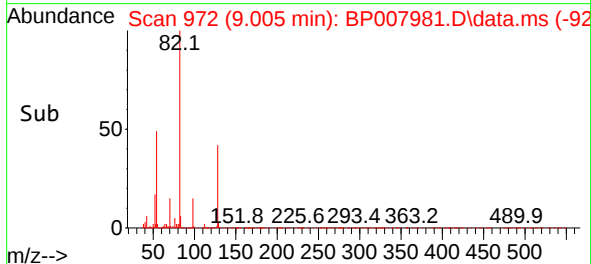
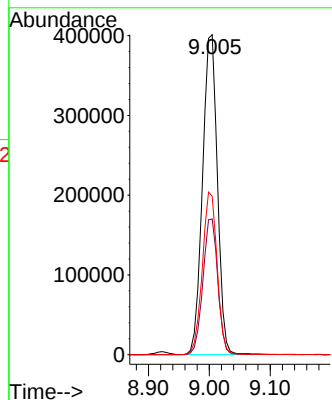
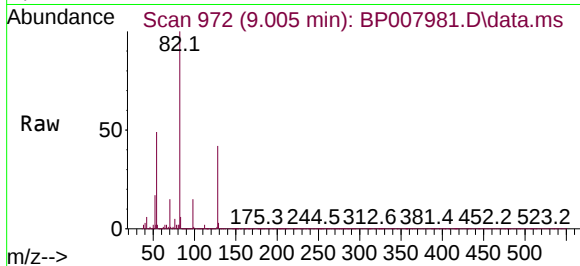




#23
Nitrobenzene-d5
Concen: 81.084 ng
RT: 9.005 min Scan# 91
Delta R.T. 0.001 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

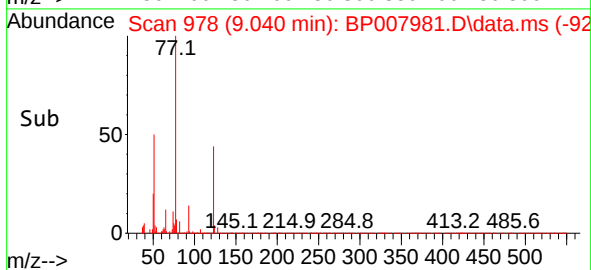
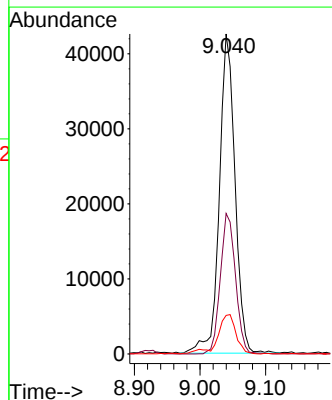
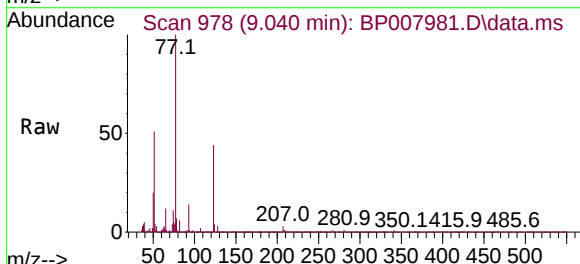
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

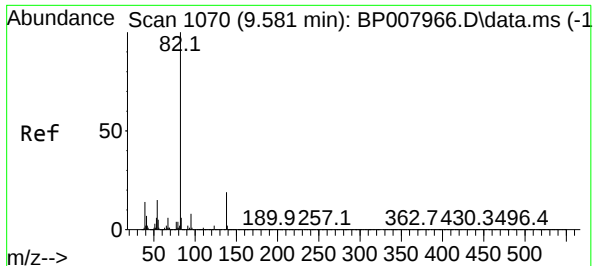
Tgt Ion: 82 Resp: 682080
Ion Ratio Lower Upper
82 100
128 42.4 32.6 48.8
54 49.5 40.4 60.6



#24
Nitrobenzene
Concen: 8.759 ng
RT: 9.040 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 77 Resp: 70417
Ion Ratio Lower Upper
77 100
123 43.9 35.3 52.9
65 12.0 10.9 16.3

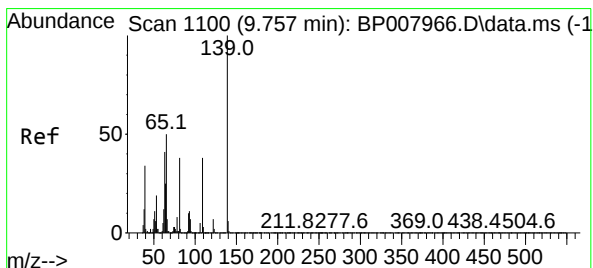
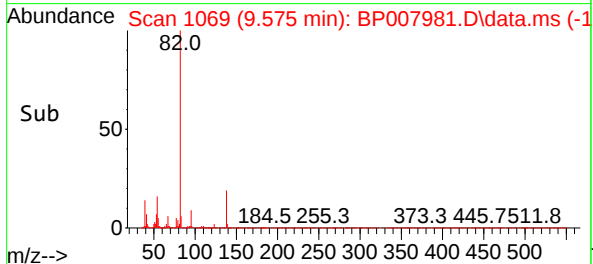
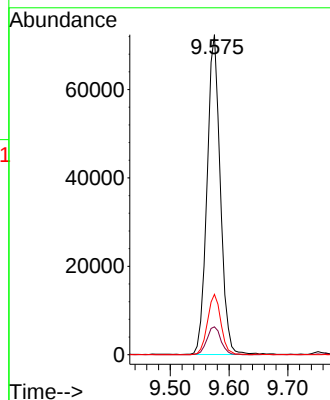
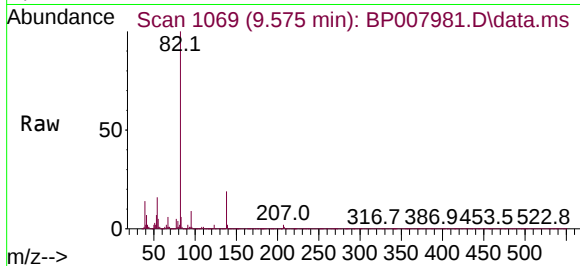




#25
Isophorone
Concen: 7.731 ng
RT: 9.575 min Scan# 1069
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

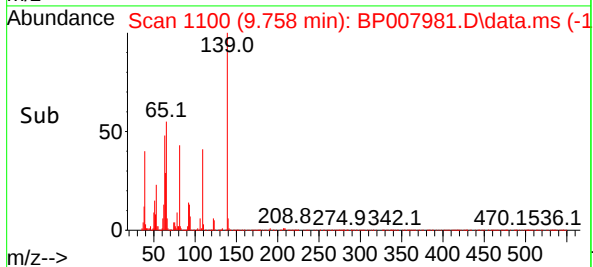
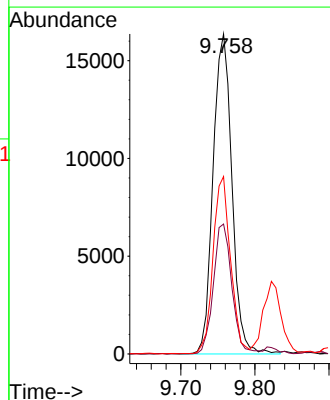
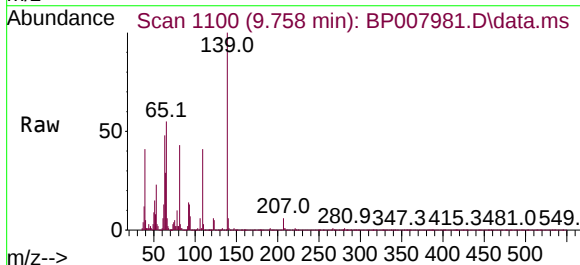
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

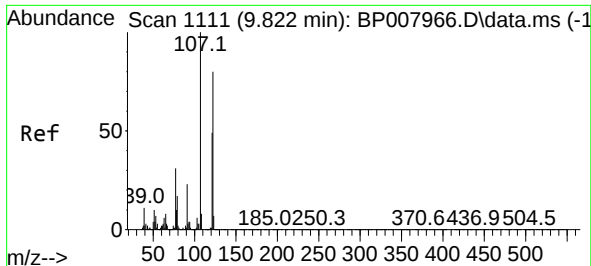
Tgt Ion: 82 Resp: 113111
Ion Ratio Lower Upper
82 100
95 8.7 6.2 9.2
138 18.8 14.0 21.0



#26
2-Nitrophenol
Concen: 7.052 ng
RT: 9.758 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 139 Resp: 28943
Ion Ratio Lower Upper
139 100
109 40.6 26.2 39.2#
65 55.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 8.797 ng

RT: 9.822 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

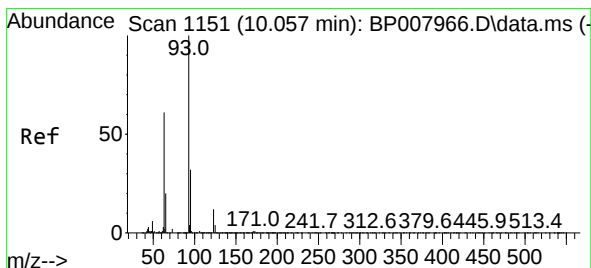
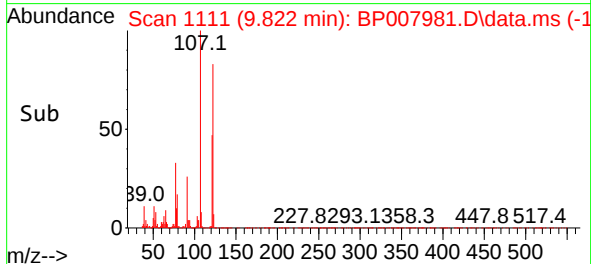
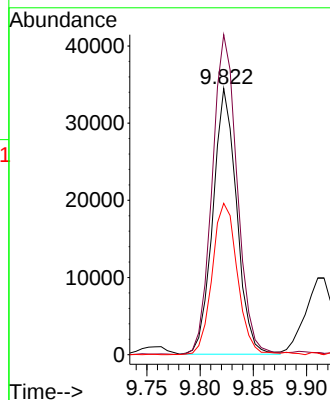
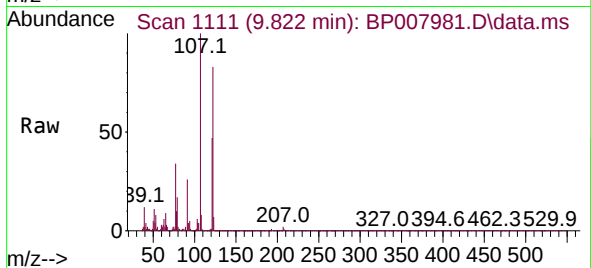
Tgt Ion:122 Resp: 53334

Ion Ratio Lower Upper

122 100

107 120.2 93.8 140.6

121 56.8 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 7.432 ng

RT: 10.052 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

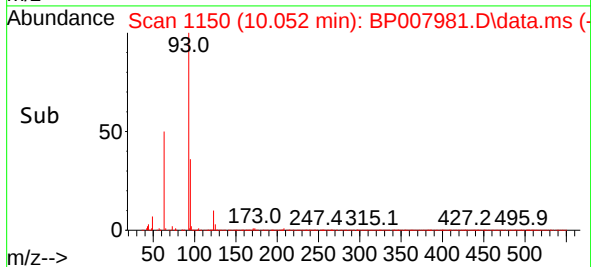
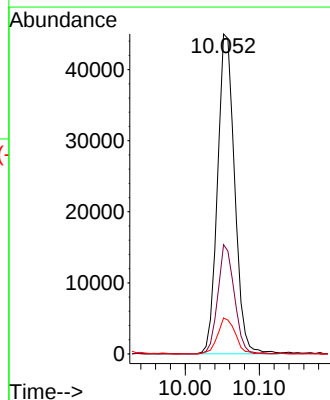
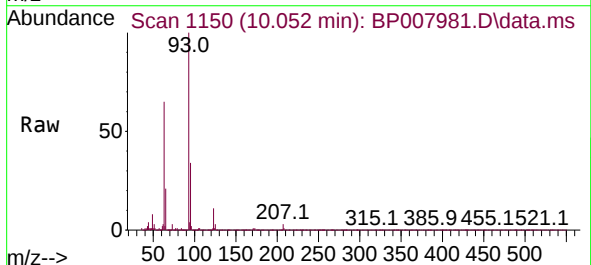
Tgt Ion: 93 Resp: 72158

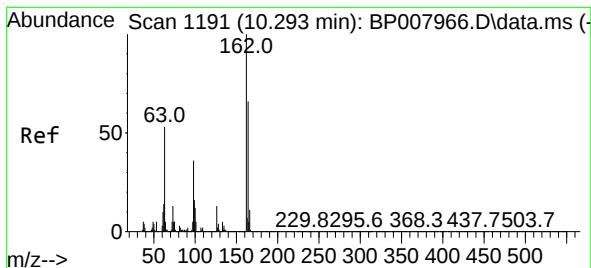
Ion Ratio Lower Upper

93 100

95 34.2 26.1 39.1

123 11.2 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 7.532 ng

RT: 10.299 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

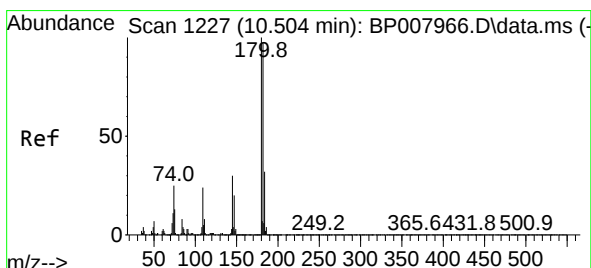
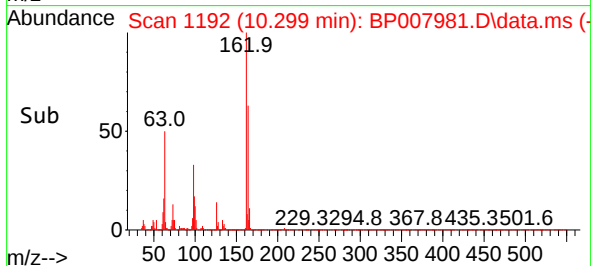
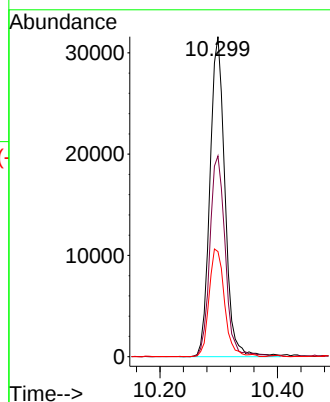
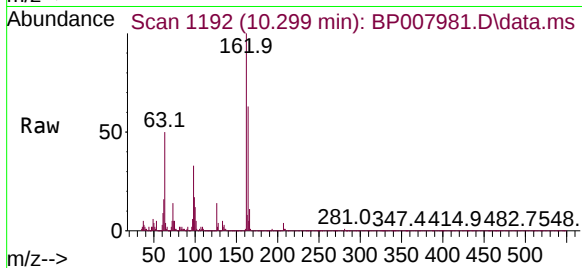
Tgt Ion:162 Resp: 56216

Ion Ratio Lower Upper

162 100

164 62.7 44.0 84.0

98 32.9 16.3 56.3



#30

1,2,4-Trichlorobenzene

Concen: 7.800 ng

RT: 10.505 min Scan# 1227

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

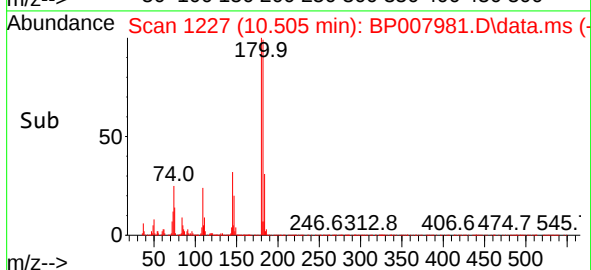
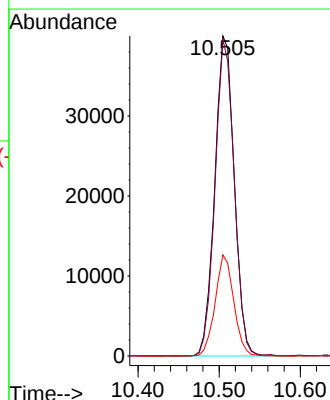
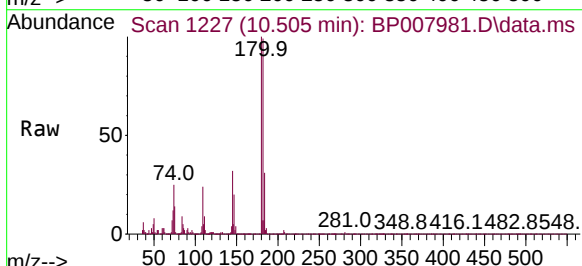
Tgt Ion:180 Resp: 66604

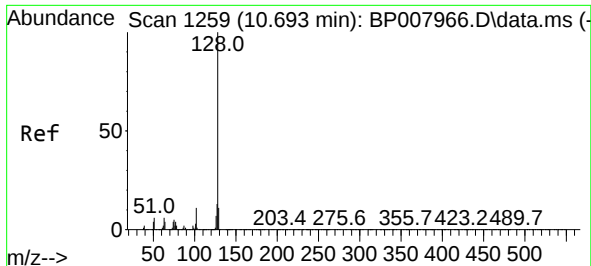
Ion Ratio Lower Upper

180 100

182 98.9 78.4 117.6

145 31.6 23.8 35.8

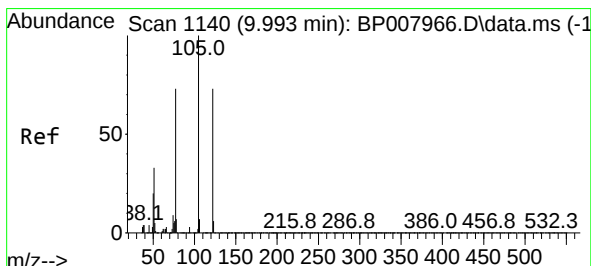
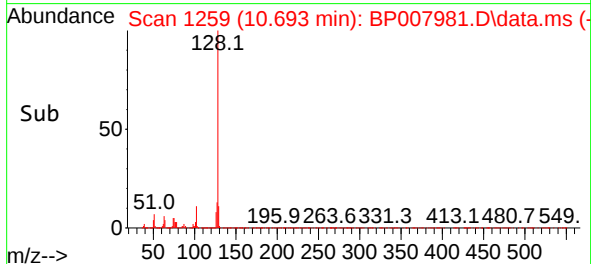
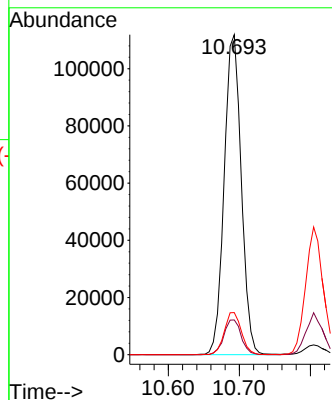
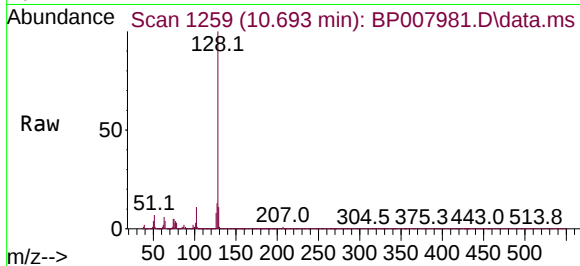




#31
Naphthalene
Concen: 8.101 ng
RT: 10.693 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

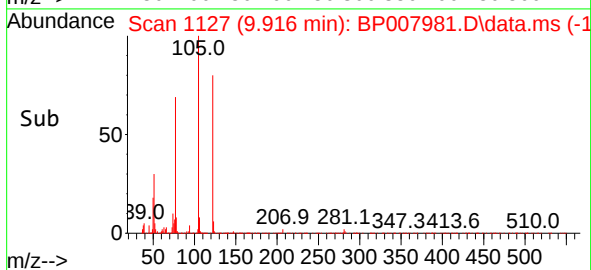
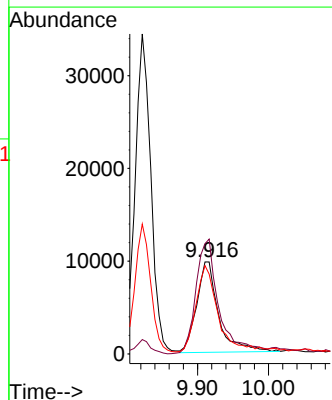
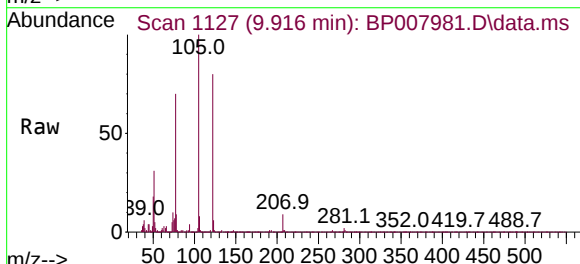
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

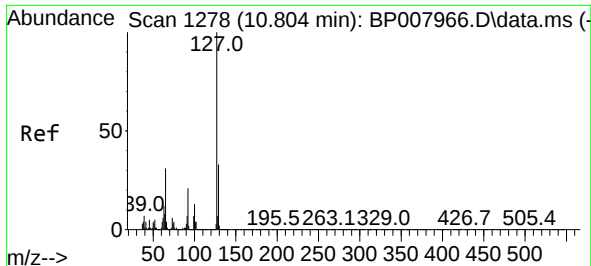
Tgt Ion:128 Resp: 186223
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.1 10.2 15.4



#32
Benzoic acid
Concen: 4.023 ng
RT: 9.916 min Scan# 1127
Delta R.T. -0.076 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:122 Resp: 21079
Ion Ratio Lower Upper
122 100
105 124.7 105.9 145.9
77 86.8 74.6 114.6

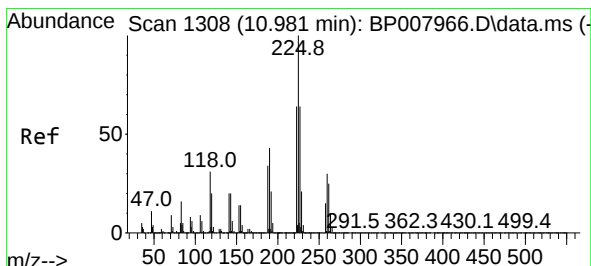
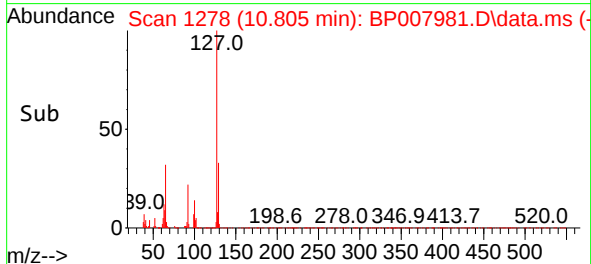
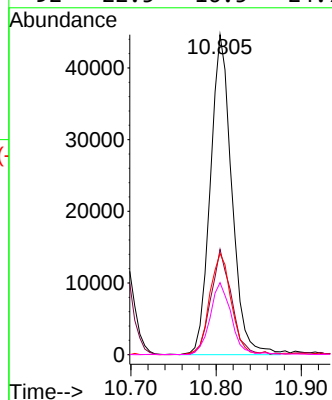
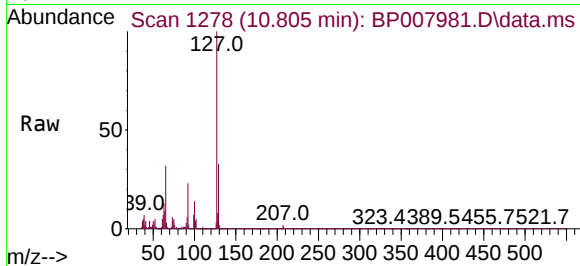




#33
4-Chloroaniline
Concen: 7.905 ng
RT: 10.805 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

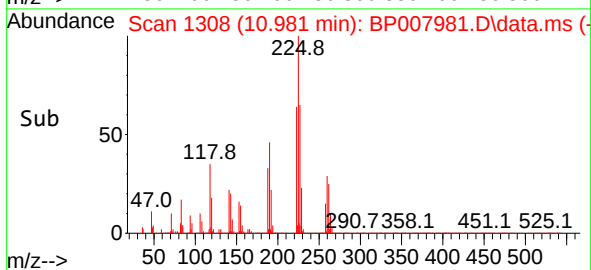
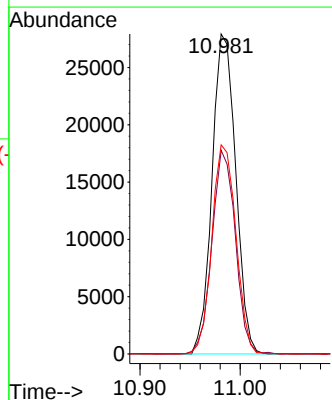
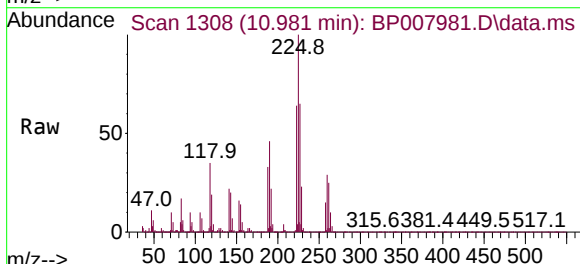
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

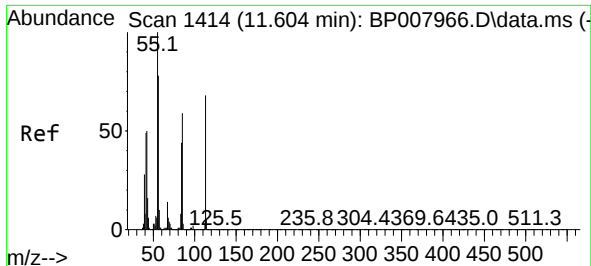
Tgt Ion:	127	Resp:	78051
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.1	37.7
65	31.6	25.5	38.3
92	22.5	16.5	24.7



#34
Hexachlorobutadiene
Concen: 7.842 ng
RT: 10.981 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	225	Resp:	45755
Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.4	74.0
227	65.3	51.0	76.6

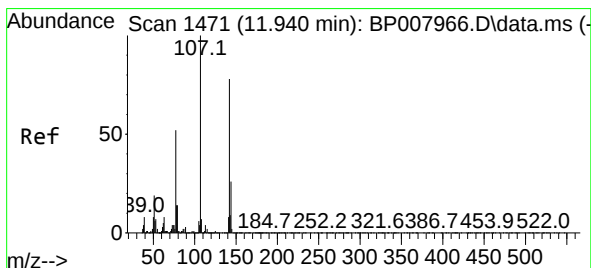
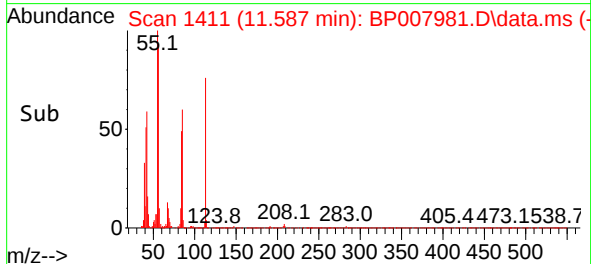
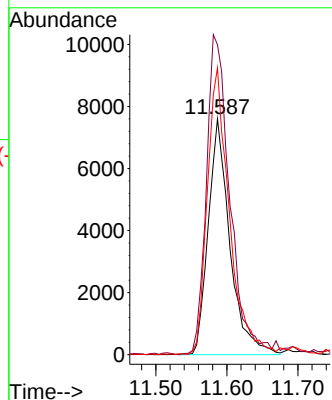
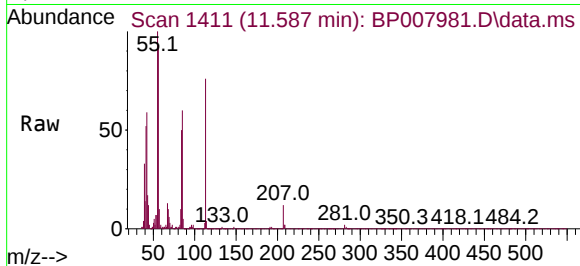




#35
Caprolactam
Concen: 9.803 ng
RT: 11.587 min Scan# 1414
Delta R.T. -0.017 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

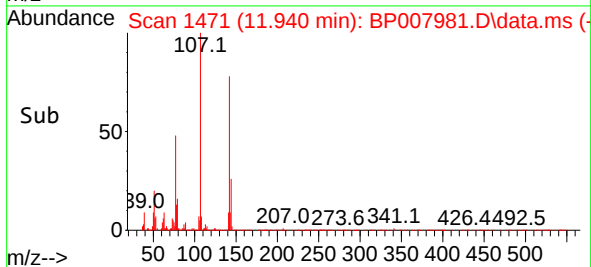
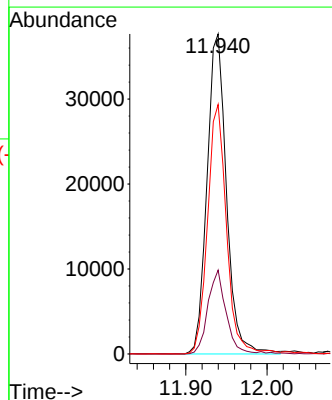
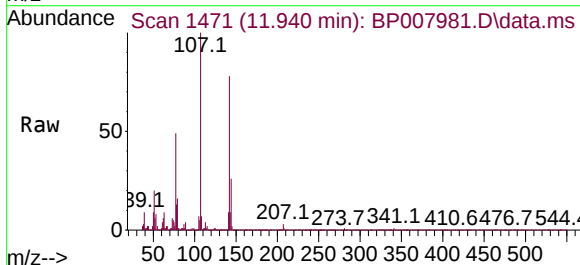
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

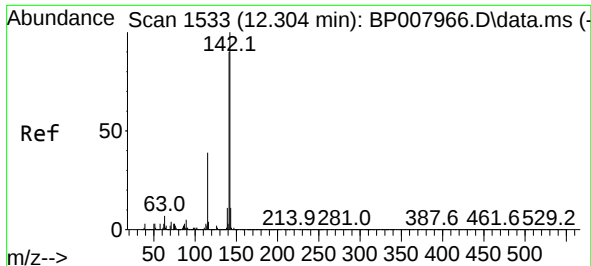
Tgt Ion:113 Resp: 16067
Ion Ratio Lower Upper
113 100
55 131.4 143.9 183.9#
56 121.7 101.6 141.6



#36
4-Chloro-3-methylphenol
Concen: 7.426 ng
RT: 11.940 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:107 Resp: 62625
Ion Ratio Lower Upper
107 100
144 26.2 20.5 30.7
142 77.9 63.0 94.4

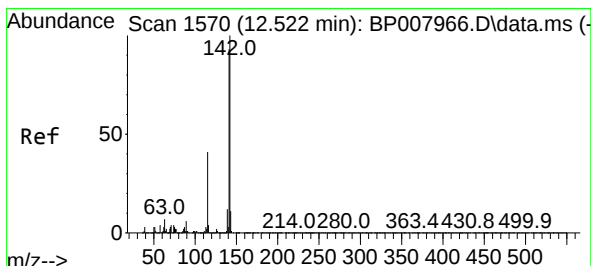
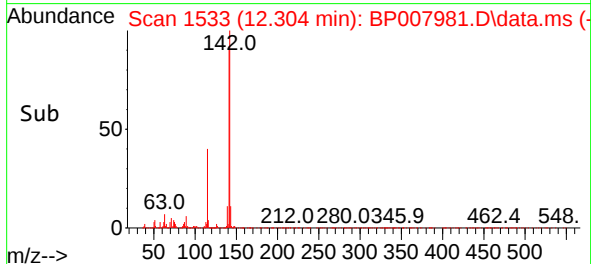
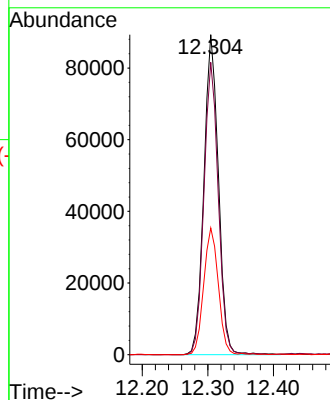
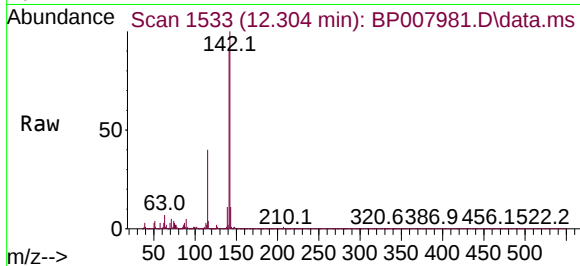




#37
2-Methylnaphthalene
Concen: 8.205 ng
RT: 12.304 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

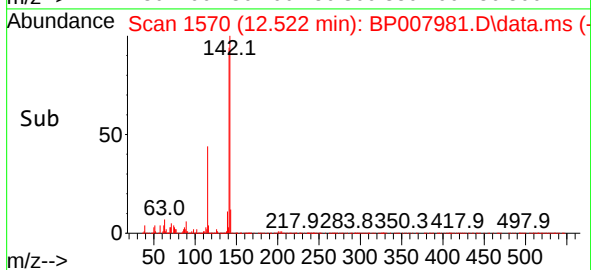
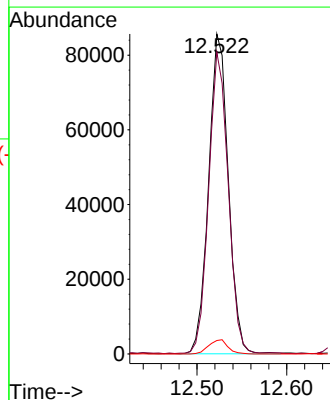
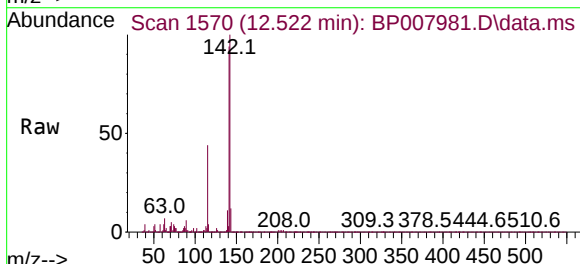
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

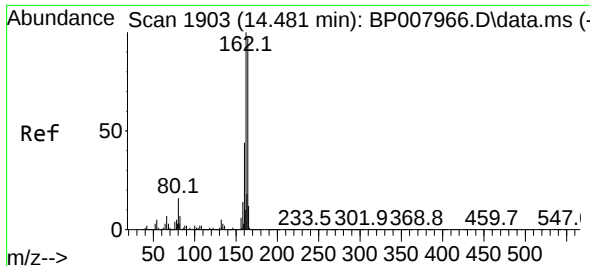
Tgt Ion:142 Resp: 137840
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.0
115 39.6 29.5 44.3



#38
1-Methylnaphthalene
Concen: 7.993 ng
RT: 12.522 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:142 Resp: 130958
Ion Ratio Lower Upper
142 100
141 94.3 74.4 111.6
116 4.2 3.4 5.0

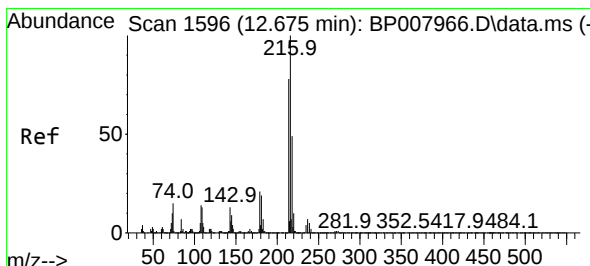
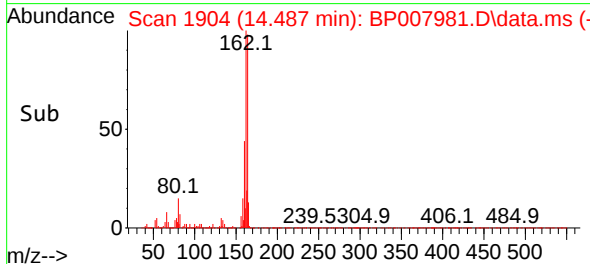
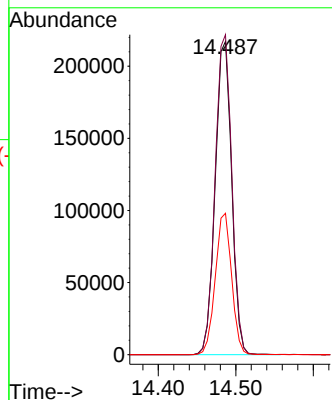
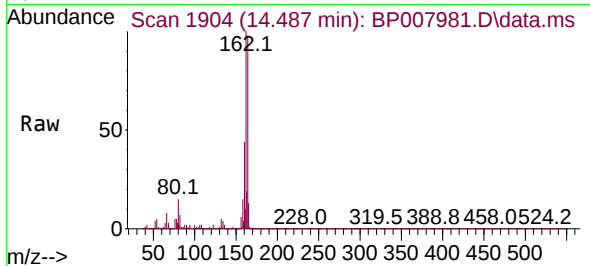




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1903
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

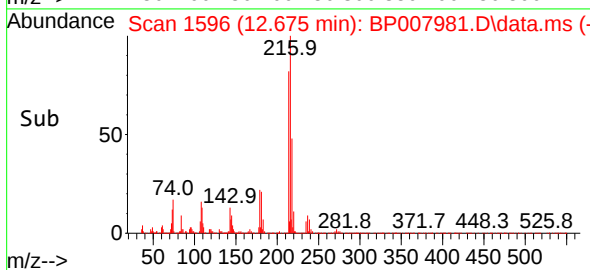
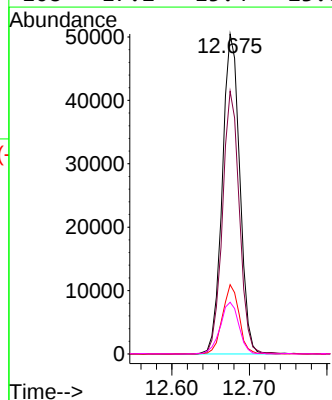
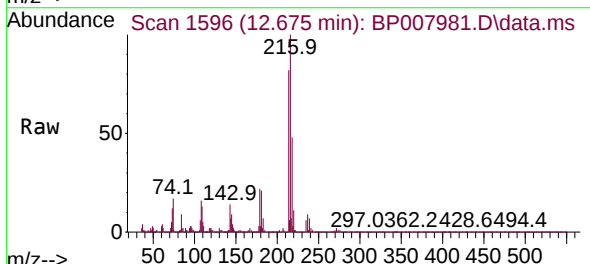
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

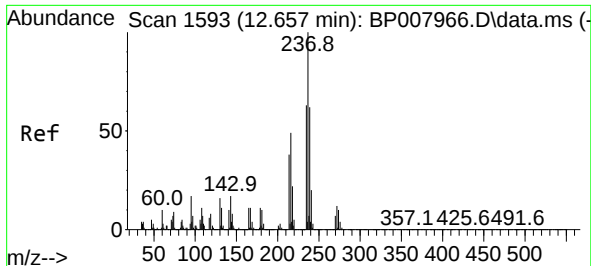
Tgt Ion:164 Resp: 319845
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 45.2 36.0 54.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.409 ng
RT: 12.675 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:216 Resp: 78959
Ion Ratio Lower Upper
216 100
214 79.8 62.2 93.4
179 20.7 17.1 25.7
108 17.2 15.4 23.0

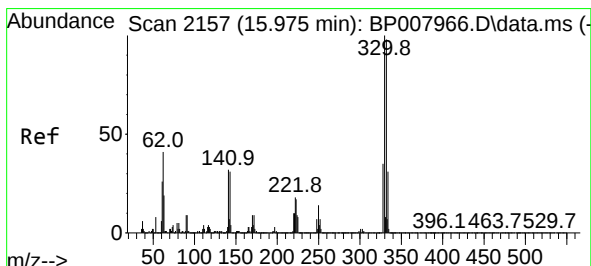
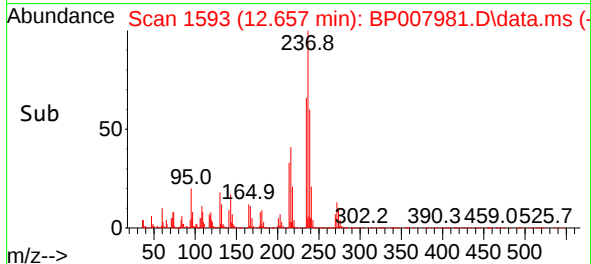
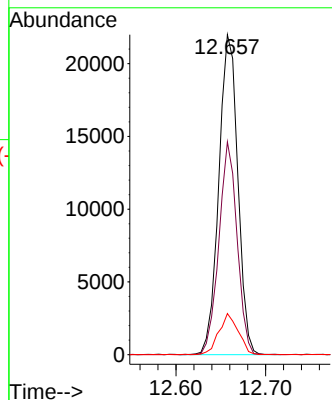
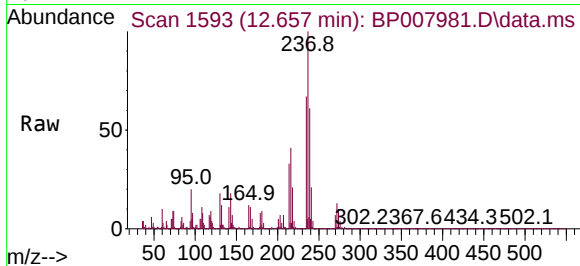




#41
Hexachlorocyclopentadiene
Concen: 6.615 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

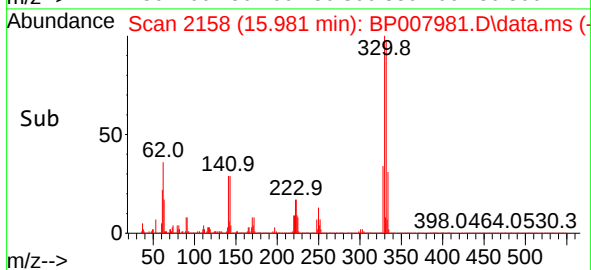
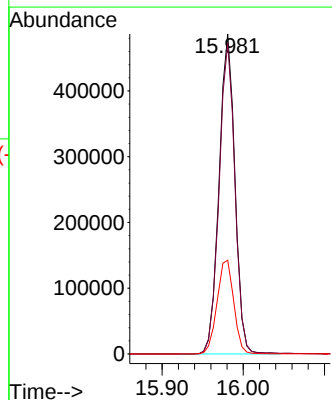
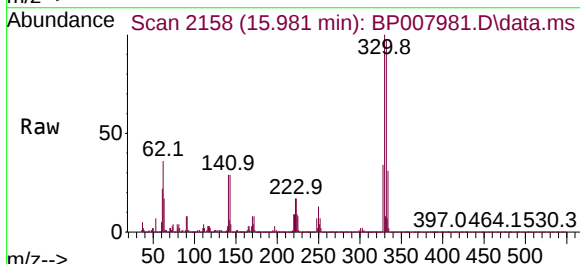
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

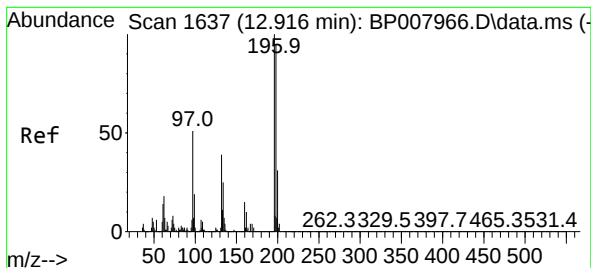
Tgt Ion: 237 Resp: 32370
Ion Ratio Lower Upper
237 100
235 66.5 41.2 81.2
272 12.8 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 131.229 ng
RT: 15.981 min Scan# 2158
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 330 Resp: 660392
Ion Ratio Lower Upper
330 100
332 97.1 78.9 118.3
141 31.0 30.7 46.1





#43

2,4,6-Trichlorophenol

Concen: 6.875 ng

RT: 12.916 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

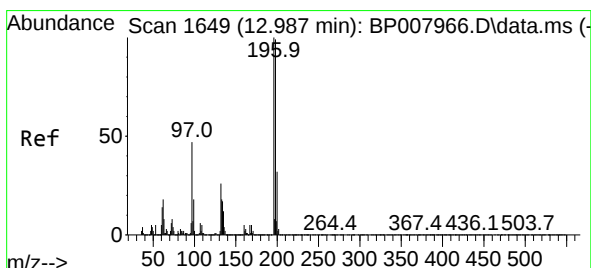
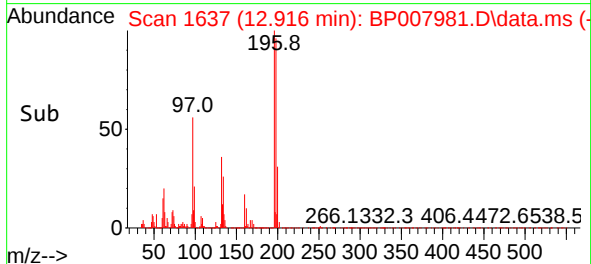
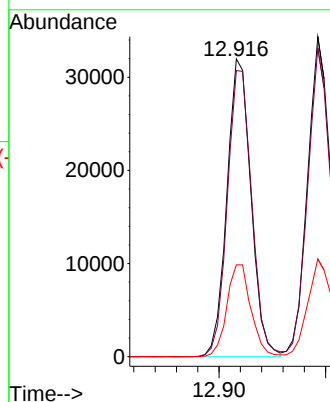
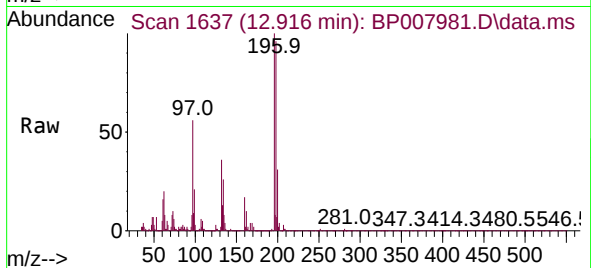
Tgt Ion:196 Resp: 50067

Ion Ratio Lower Upper

196 100

198 96.1 76.4 114.6

200 30.9 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 6.938 ng

RT: 12.993 min Scan# 1650

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Tgt Ion:196 Resp: 54900

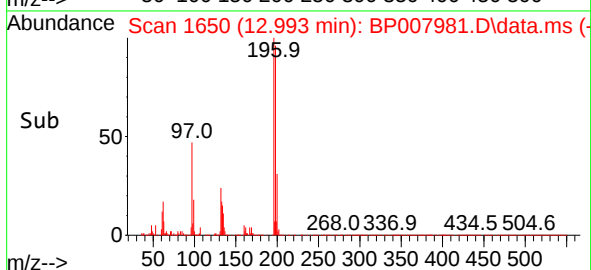
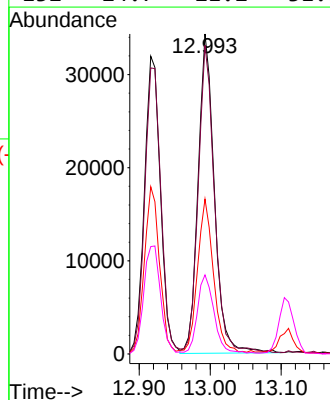
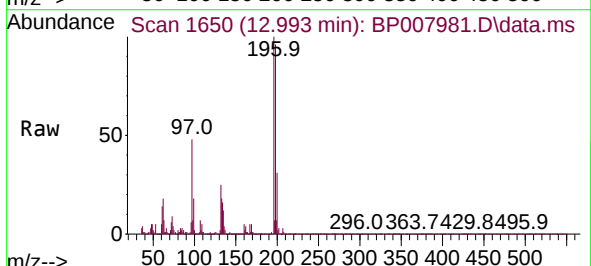
Ion Ratio Lower Upper

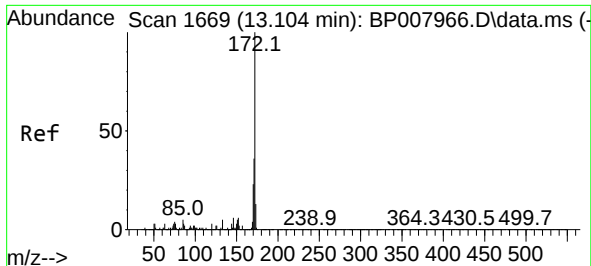
196 100

198 96.4 77.1 115.7

97 48.4 40.9 61.3

132 24.7 21.2 31.8

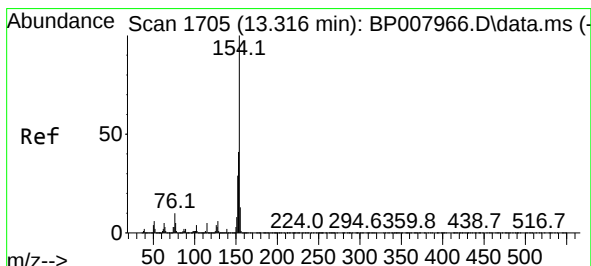
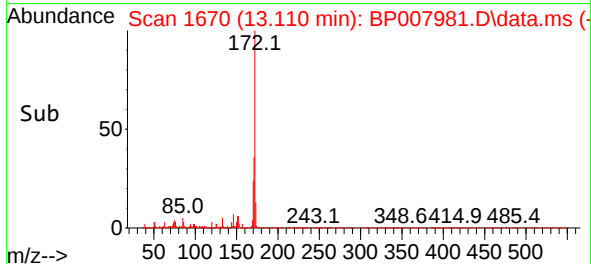
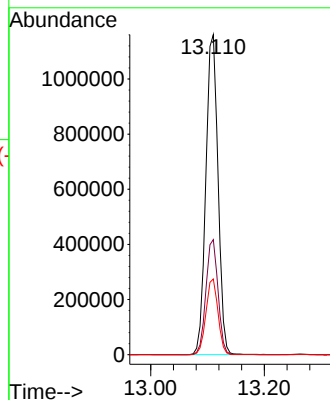
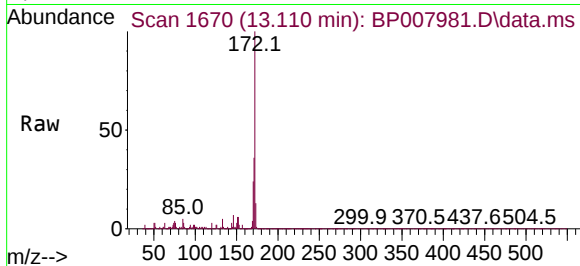




#45
2-Fluorobiphenyl
Concen: 75.448 ng
RT: 13.110 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

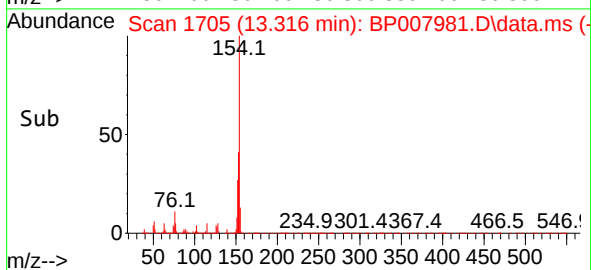
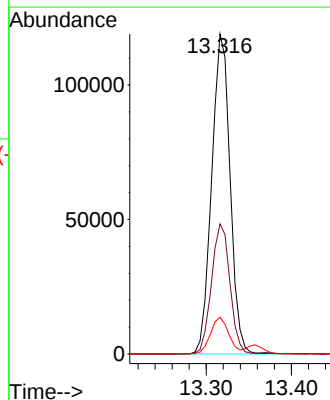
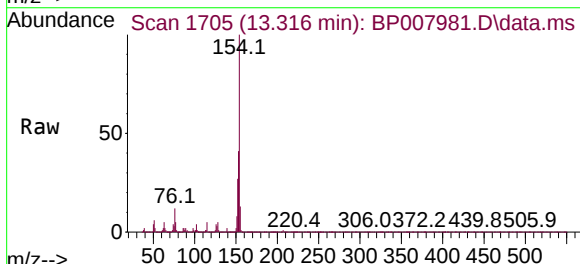
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

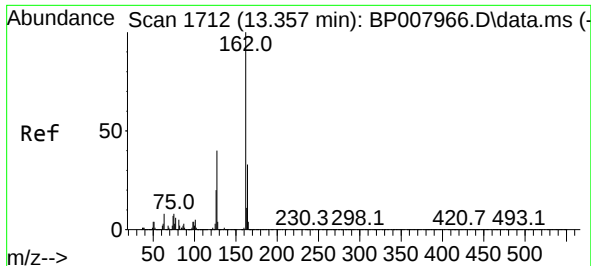
Tgt Ion:172 Resp: 1720356
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.2
170 23.6 19.0 28.4



#46
1,1'-Biphenyl
Concen: 7.464 ng
RT: 13.316 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:154 Resp: 178310
Ion Ratio Lower Upper
154 100
153 40.6 19.9 59.9
76 11.5 0.0 32.4

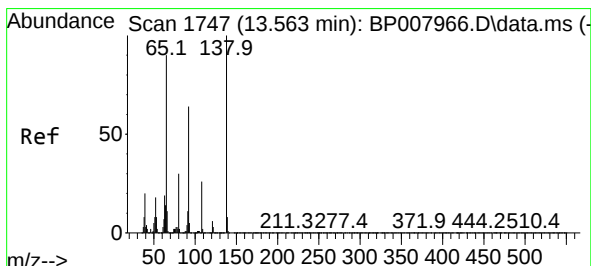
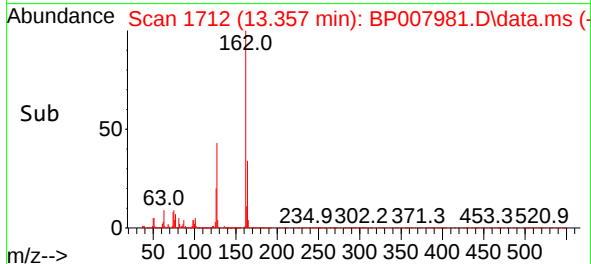
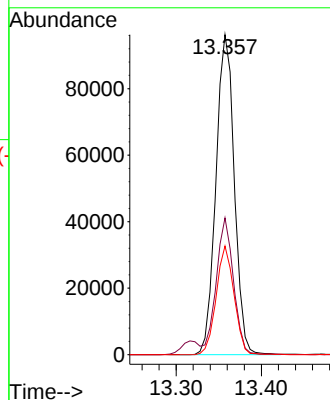
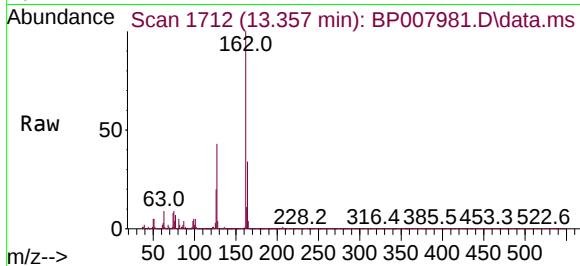




#47
2-Chloronaphthalene
Concen: 7.724 ng
RT: 13.357 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

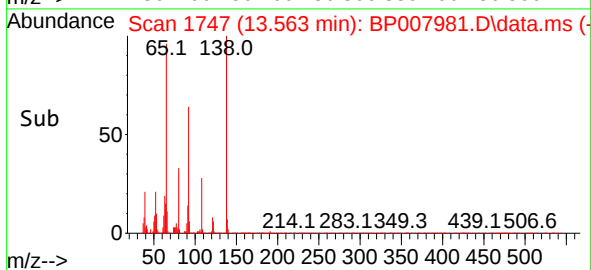
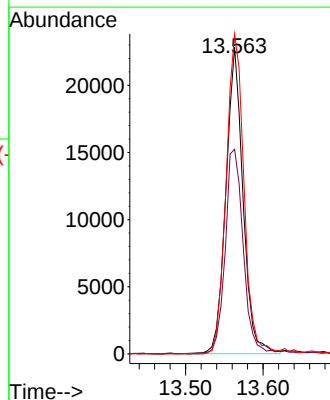
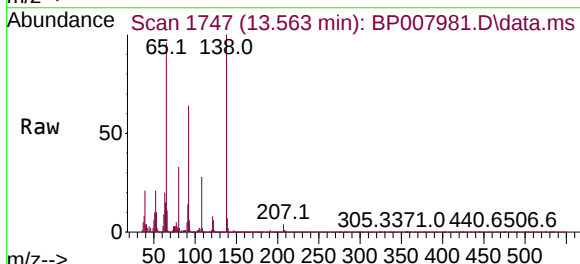
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

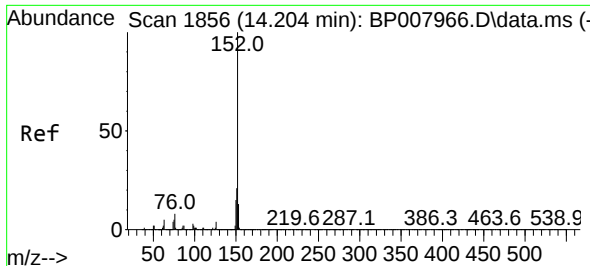
Tgt Ion:162 Resp: 144339
Ion Ratio Lower Upper
162 100
127 42.7 31.0 46.6
164 34.0 26.4 39.6



#48
2-Nitroaniline
Concen: 6.611 ng
RT: 13.563 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 65 Resp: 35065
Ion Ratio Lower Upper
65 100
92 66.7 55.9 83.9
138 104.3 86.3 129.5

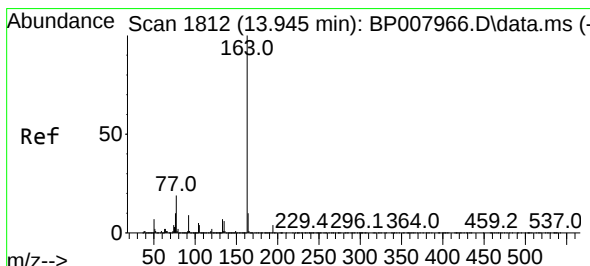
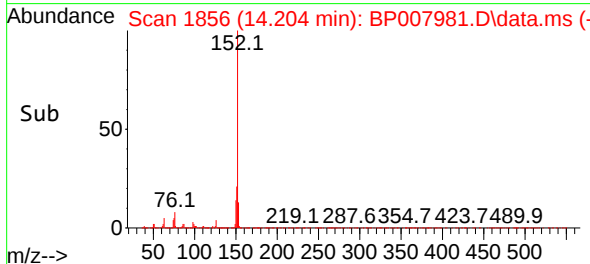
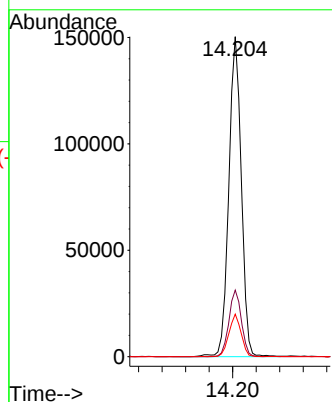
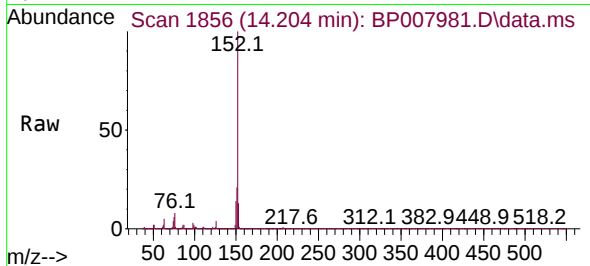




#49
Acenaphthylene
Concen: 7.784 ng
RT: 14.204 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

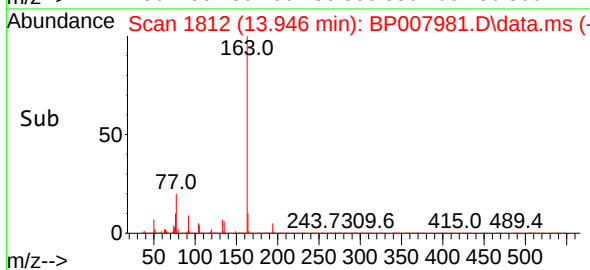
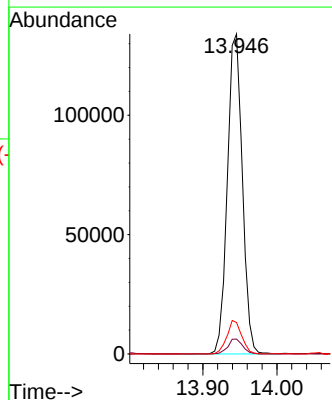
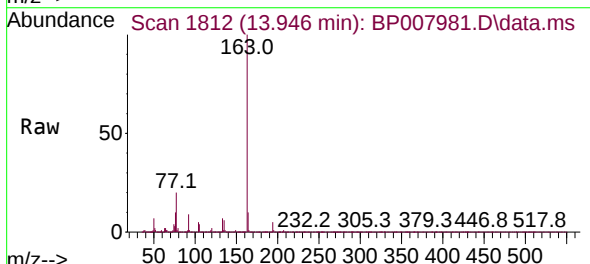
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

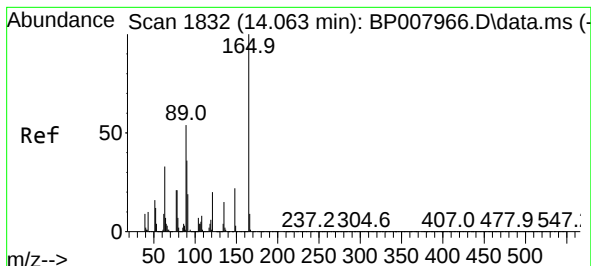
Tgt Ion:152 Resp: 221265
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6
153 13.3 10.2 15.2



#50
Dimethylphthalate
Concen: 7.420 ng
RT: 13.946 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:163 Resp: 187756
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 7.199 ng

RT: 14.057 min Scan# 1832

Delta R.T. -0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

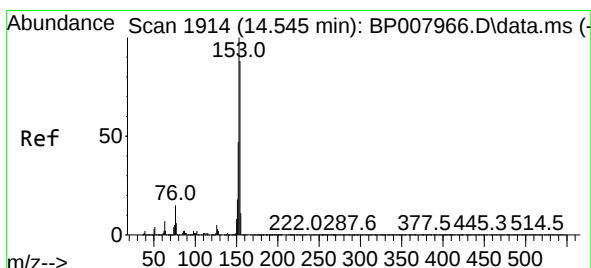
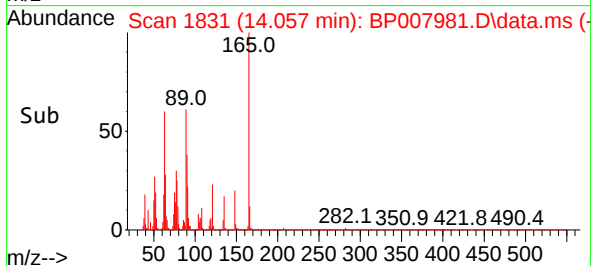
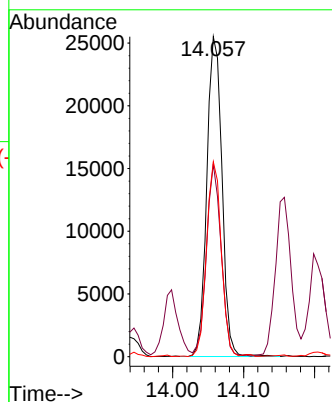
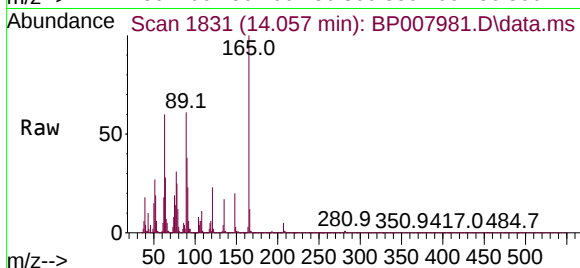
Tgt Ion:165 Resp: 37847

Ion Ratio Lower Upper

165 100

63 60.2 44.2 66.2

89 60.9 46.6 70.0



#52

Acenaphthene

Concen: 7.997 ng

RT: 14.546 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

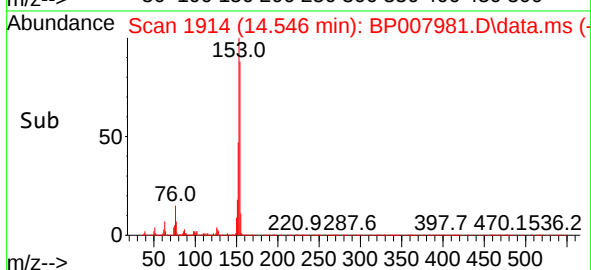
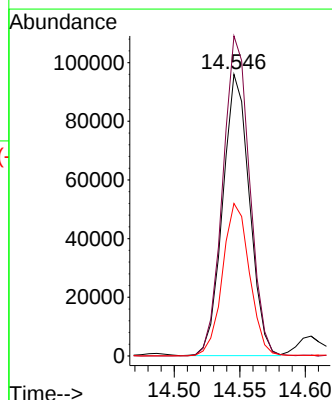
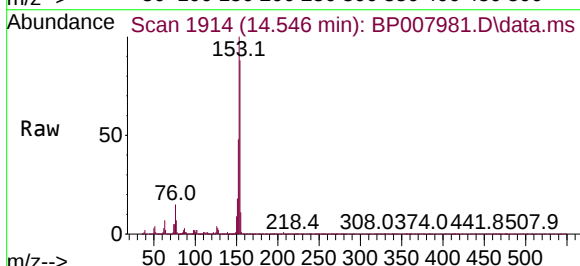
Tgt Ion:154 Resp: 136079

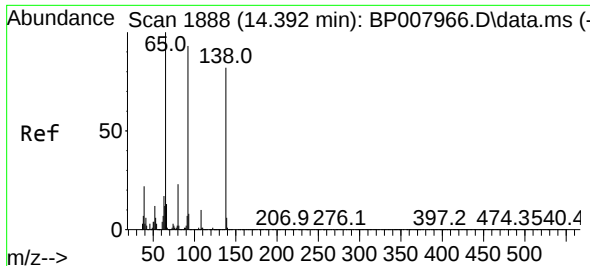
Ion Ratio Lower Upper

154 100

153 113.6 90.4 135.6

152 54.1 42.3 63.5

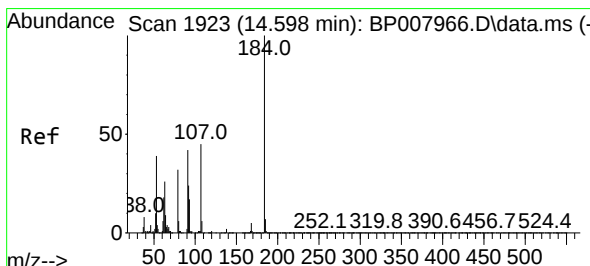
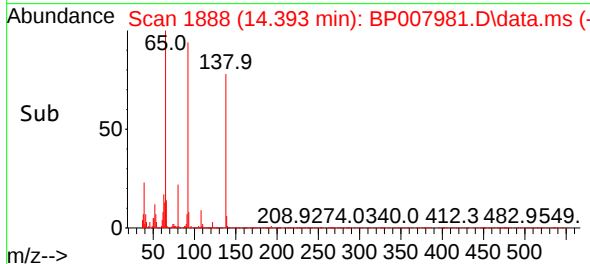
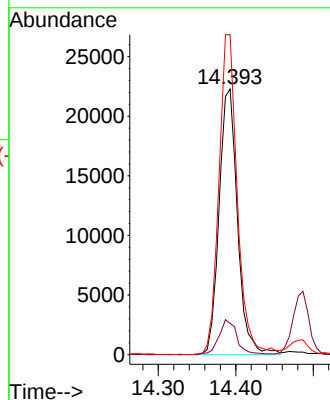
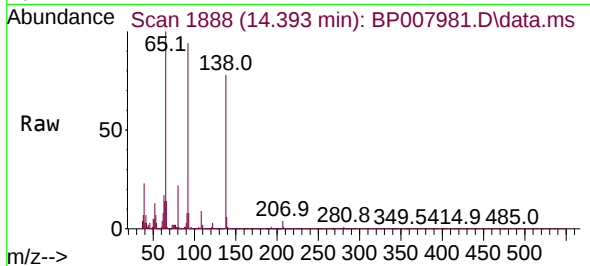




#53
3-Nitroaniline
Concen: 6.879 ng
RT: 14.393 min Scan# 1888
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

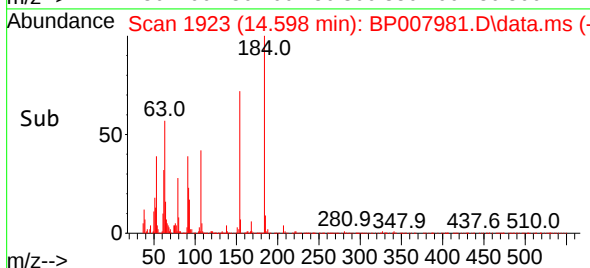
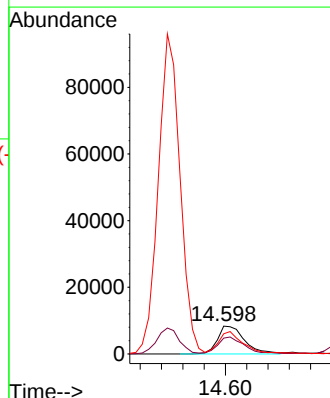
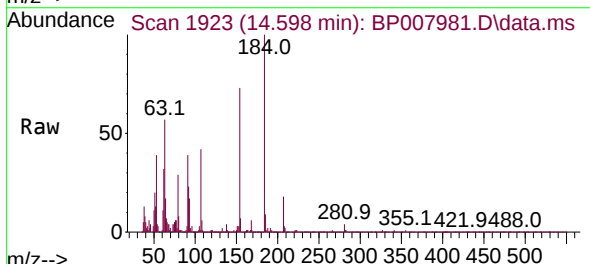
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

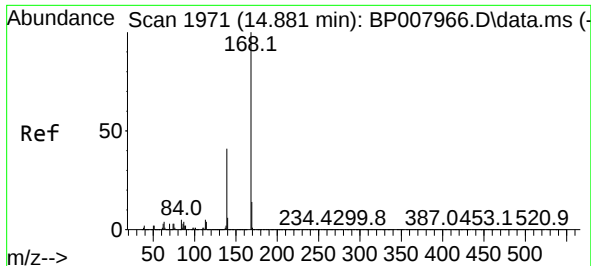
Tgt Ion:138 Resp: 36870
Ion Ratio Lower Upper
138 100
108 11.8 12.3 18.5#
92 120.5 94.9 142.3



#54
2,4-Dinitrophenol
Concen: 4.654 ng
RT: 14.598 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:184 Resp: 14764
Ion Ratio Lower Upper
184 100
63 57.2 44.0 66.0
154 72.7 48.9 73.3

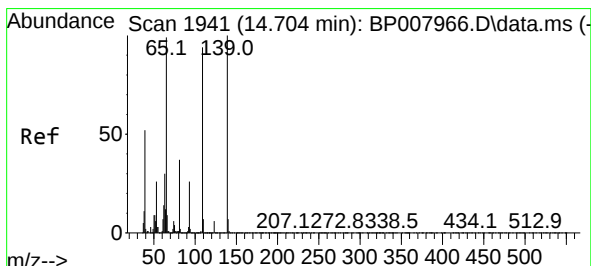
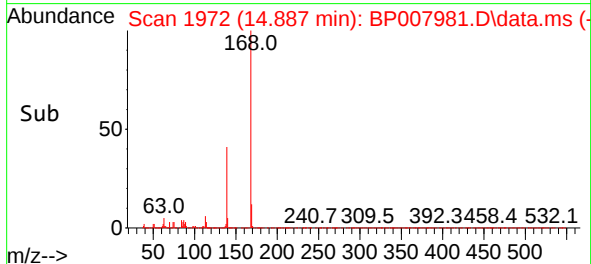
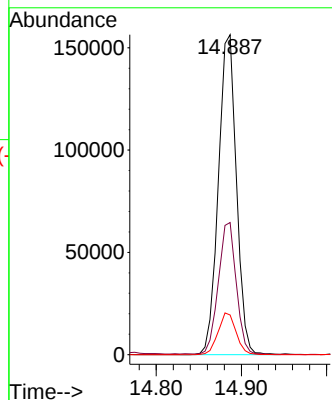
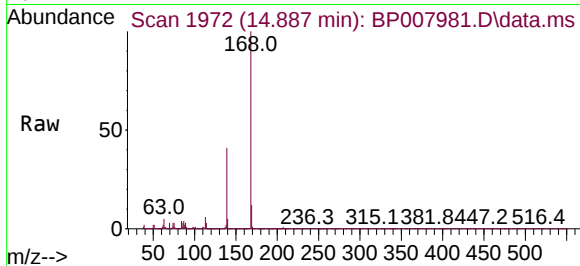




#55
Dibenzenofuran
Concen: 7.947 ng
RT: 14.887 min Scan# 1972
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

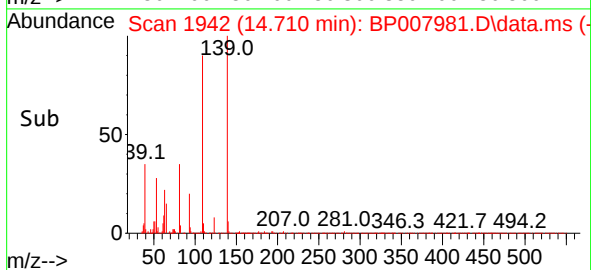
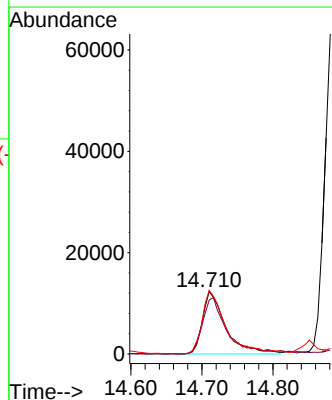
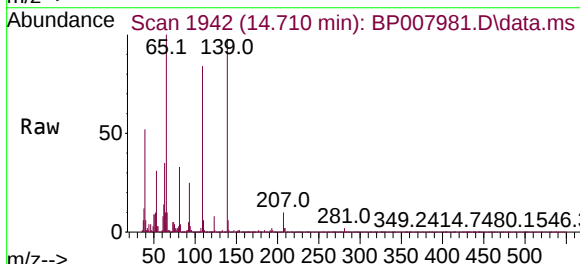
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

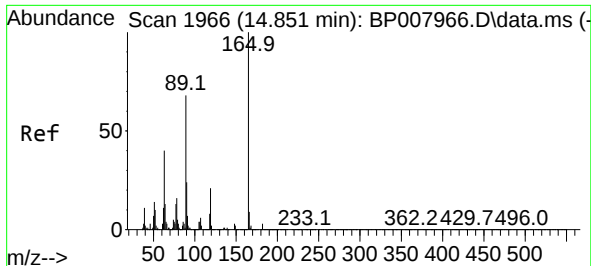
Tgt Ion:168 Resp: 229952
Ion Ratio Lower Upper
168 100
139 41.3 30.8 46.2
169 12.4 11.0 16.6



#56
4-Nitrophenol
Concen: 6.395 ng
RT: 14.710 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:139 Resp: 27934
Ion Ratio Lower Upper
139 100
109 86.4 60.9 100.9
65 102.4 76.5 116.5

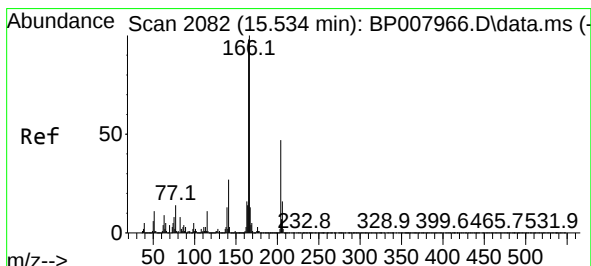
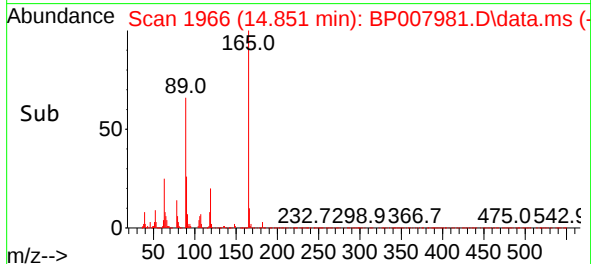
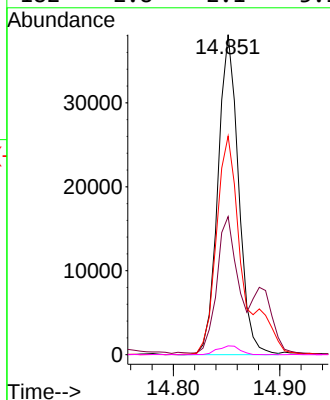
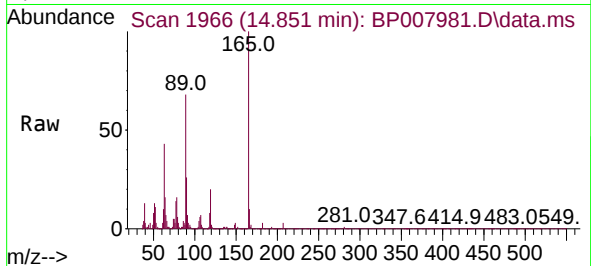




#57
2,4-Dinitrotoluene
Concen: 7.317 ng
RT: 14.851 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

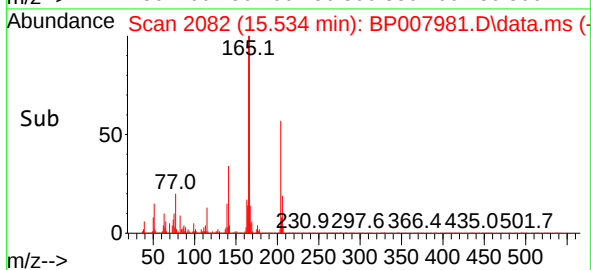
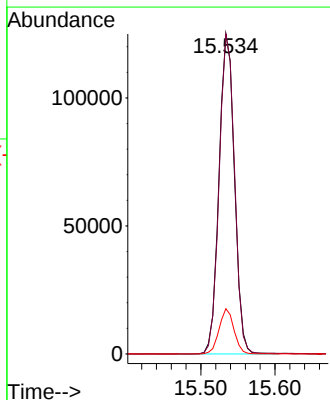
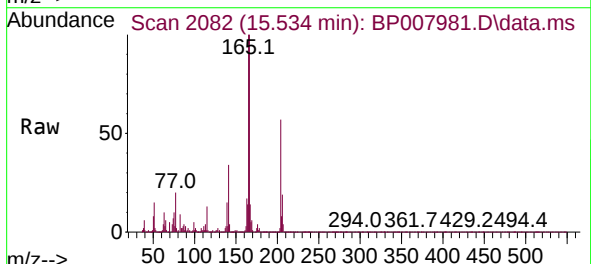
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

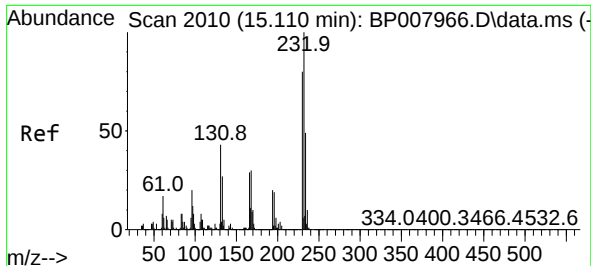
Tgt Ion:	165	Resp:	51199
Ion Ratio	Lower	Upper	
165	100		
63	43.1	37.4	56.0
89	68.3	61.8	92.6
182	2.8	2.1	3.1



#58
Fluorene
Concen: 7.867 ng
RT: 15.534 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	166	Resp:	181114
Ion Ratio	Lower	Upper	
166	100		
165	100.0	78.9	118.3
167	14.1	10.9	16.3

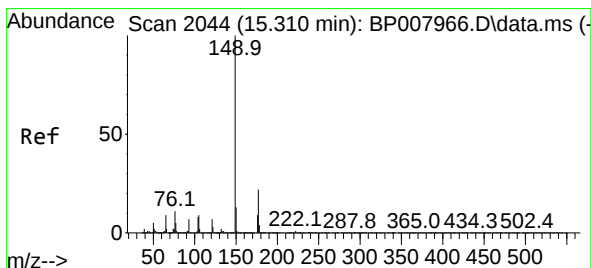
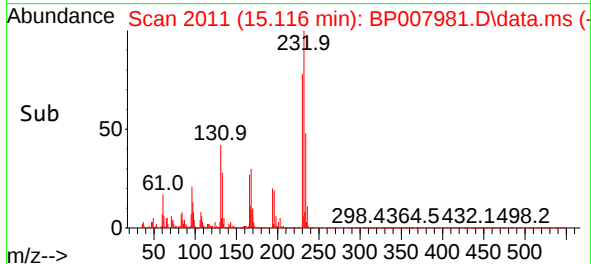
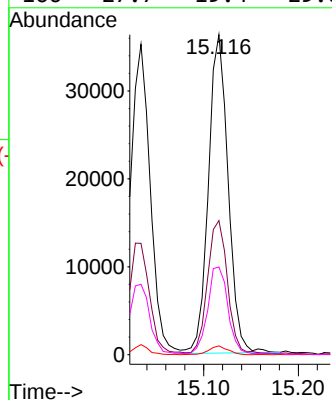
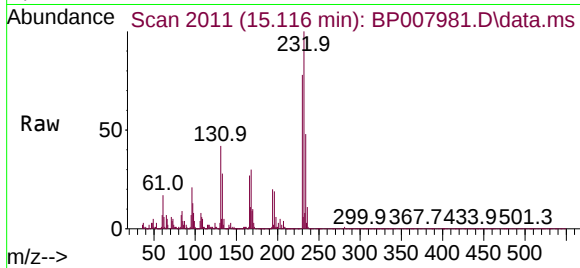




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.258 ng
RT: 15.116 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

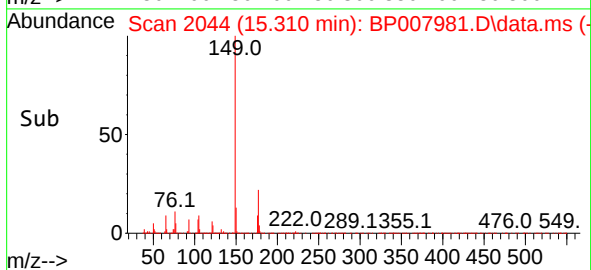
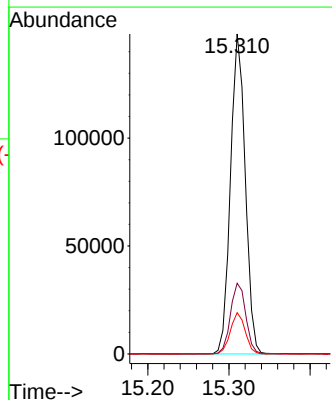
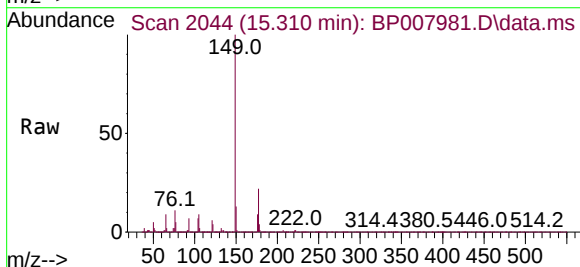
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

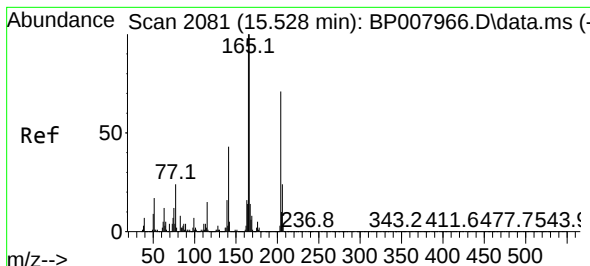
Tgt Ion:	232	Resp:	52306
Ion Ratio	Lower	Upper	
232	100		
131	42.3	30.3	45.5
130	2.6	1.8	2.8
166	27.7	19.4	29.0



#60
Diethylphthalate
Concen: 7.654 ng
RT: 15.310 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:	149	Resp:	186676
Ion Ratio	Lower	Upper	
149	100		
177	22.1	17.8	26.8
150	12.9	10.2	15.2

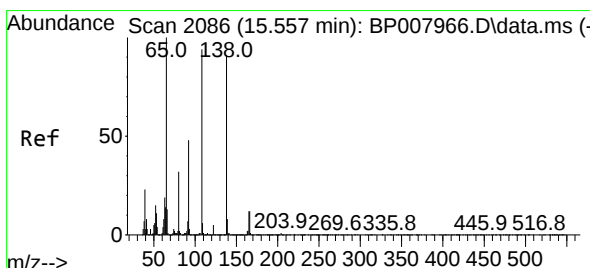
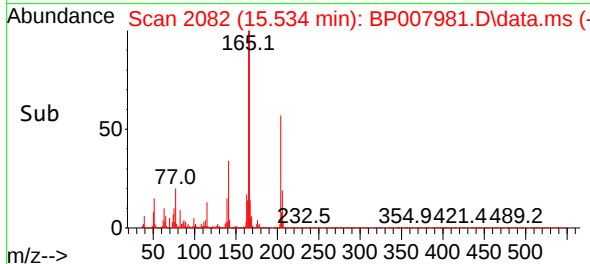
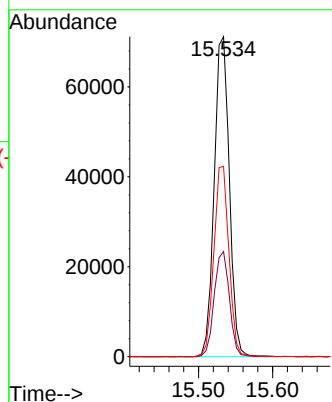
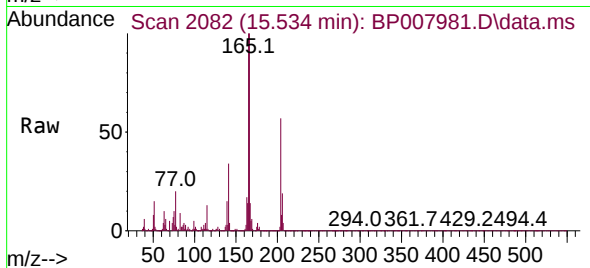




#61
4-Chlorophenyl-phenylether
Concen: 8.089 ng
RT: 15.534 min Scan# 2082
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

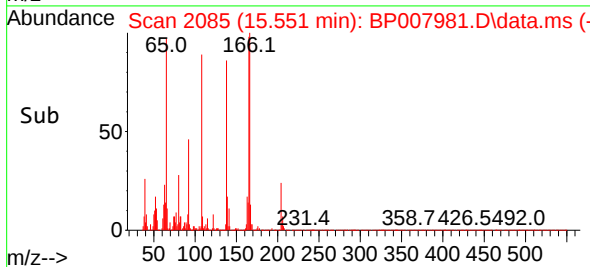
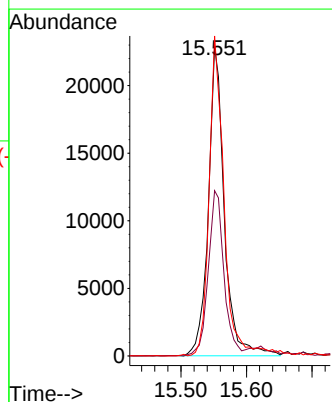
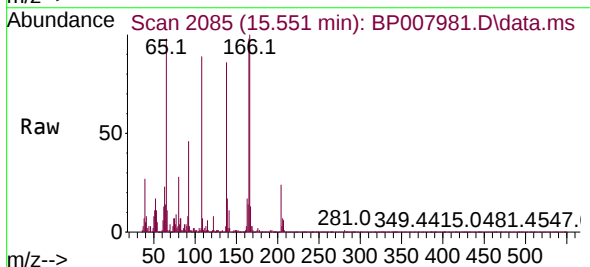
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

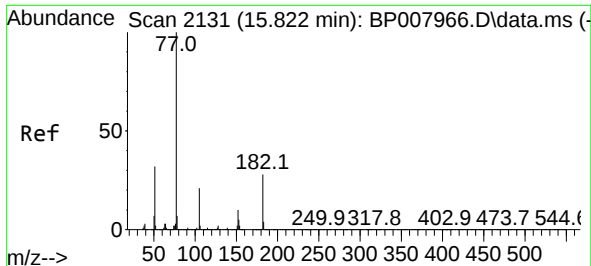
Tgt Ion:204 Resp: 100727
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 59.5 48.8 73.2



#62
4-Nitroaniline
Concen: 7.036 ng
RT: 15.551 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:138 Resp: 38761
Ion Ratio Lower Upper
138 100
92 53.5 30.7 70.7
108 103.5 71.2 111.2

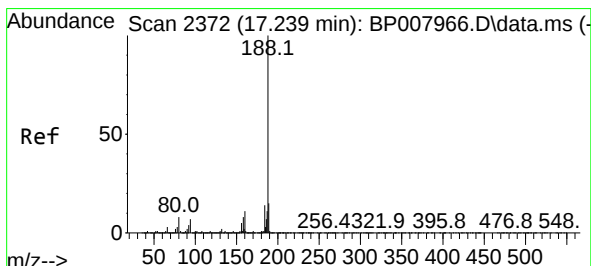
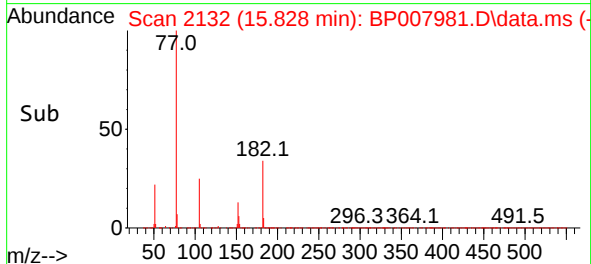
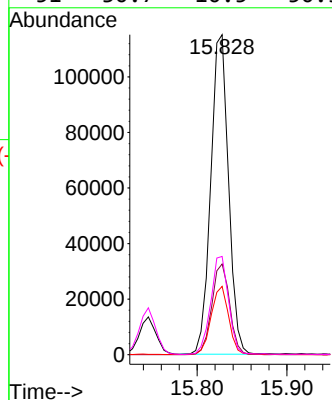
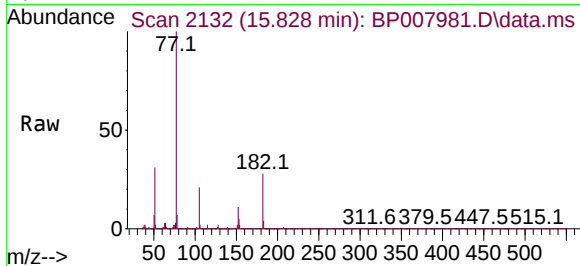




#63
Azobenzene
Concen: 7.702 ng
RT: 15.828 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

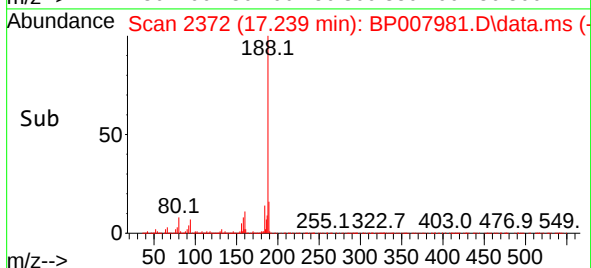
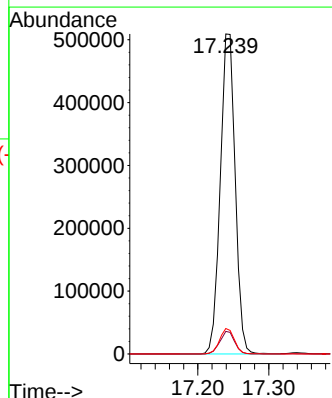
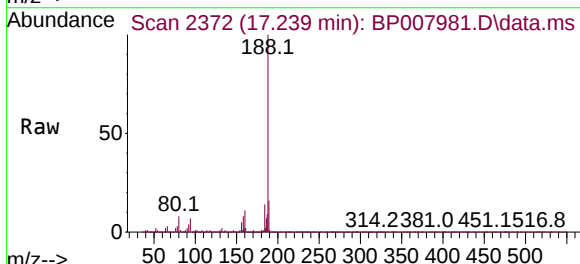
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

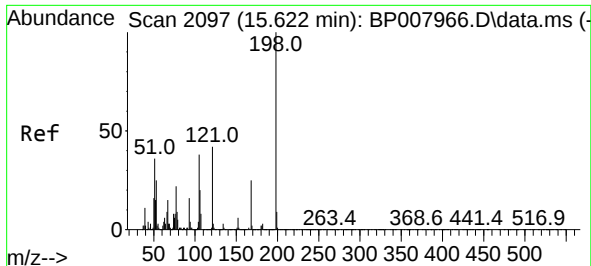
Tgt Ion: 77	Resp: 158155
Ion Ratio	Lower Upper
77 100	
182 28.4	6.5 46.5
105 21.4	1.3 41.3
51 30.7	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2372
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion: 188	Resp: 738934
Ion Ratio	Lower Upper
188 100	
94 7.1	7.1 10.7#
80 8.0	7.8 11.6

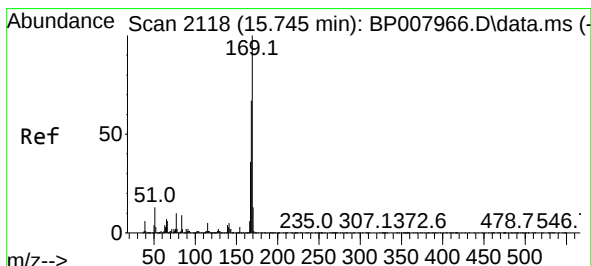
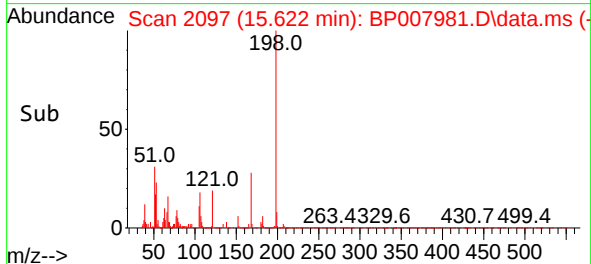
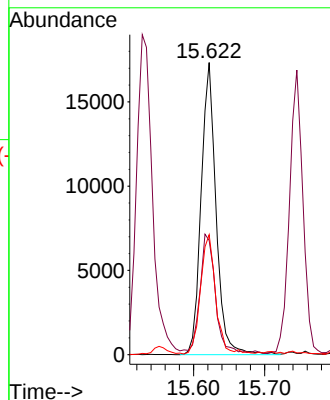
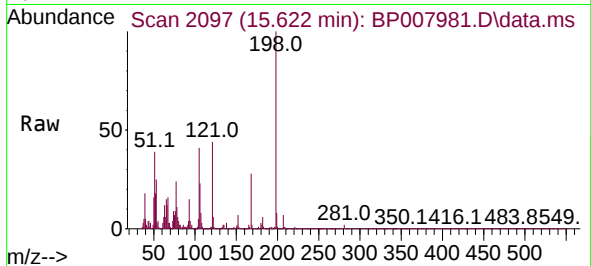




#65
4,6-Dinitro-2-methylphenol
Concen: 5.252 ng
RT: 15.622 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

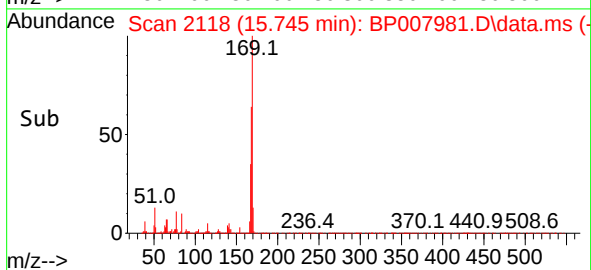
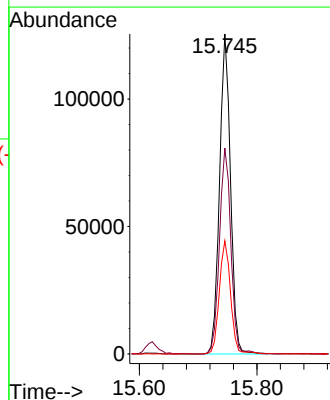
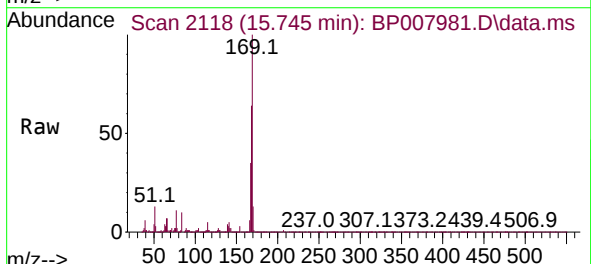
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

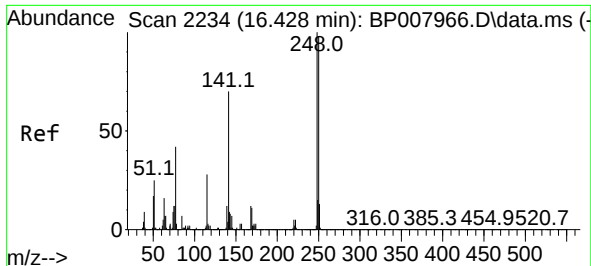
Tgt Ion:198 Resp: 25436
Ion Ratio Lower Upper
198 100
51 39.1 23.8 63.8
105 41.1 24.6 64.6



#66
n-Nitrosodiphenylamine
Concen: 7.676 ng
RT: 15.745 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:169 Resp: 162366
Ion Ratio Lower Upper
169 100
168 64.3 52.7 79.1
167 35.4 29.0 43.6

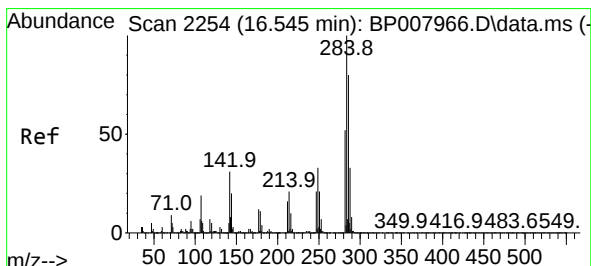
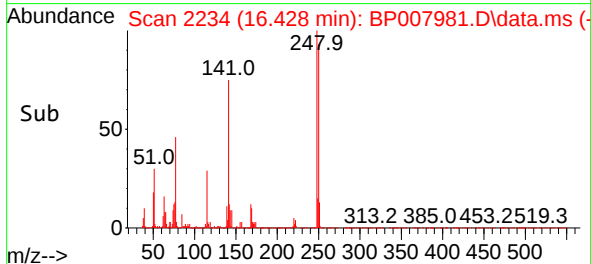
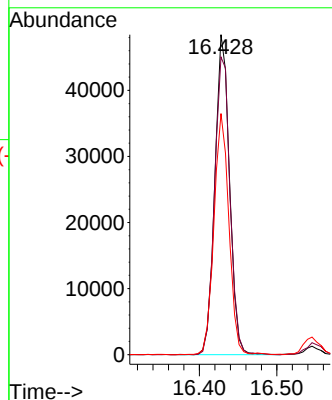
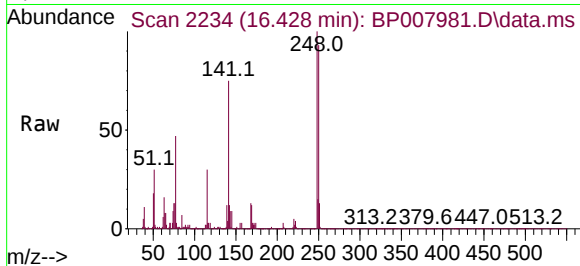




#67
4-Bromophenyl-phenylether
Concen: 7.367 ng
RT: 16.428 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

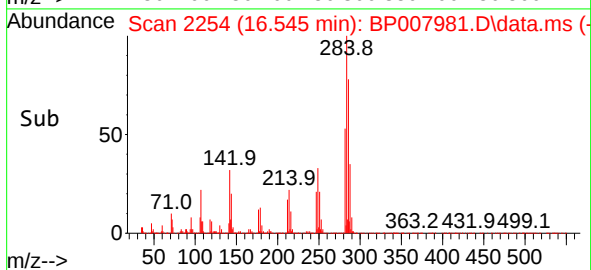
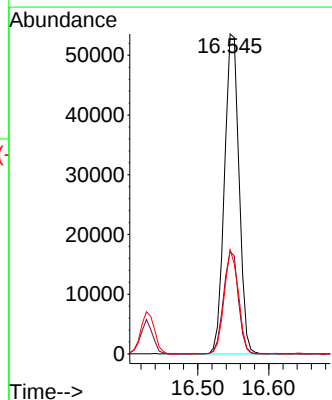
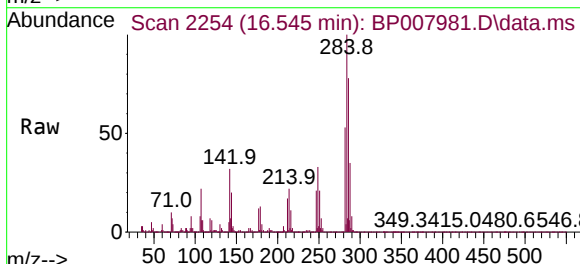
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

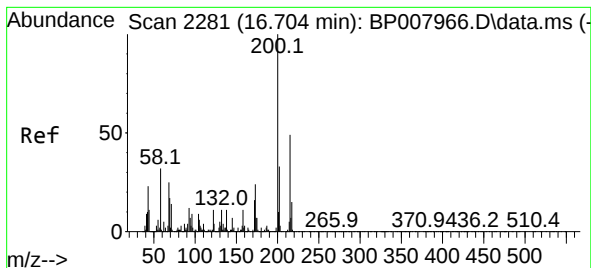
Tgt Ion:248 Resp: 63672
Ion Ratio Lower Upper
248 100
250 93.0 78.2 117.2
141 75.3 60.8 91.2



#68
Hexachlorobenzene
Concen: 7.808 ng
RT: 16.545 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:284 Resp: 76001
Ion Ratio Lower Upper
284 100
142 32.0 30.6 46.0
249 32.6 26.6 40.0





#69

Atrazine

Concen: 11.266 ng

RT: 16.704 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

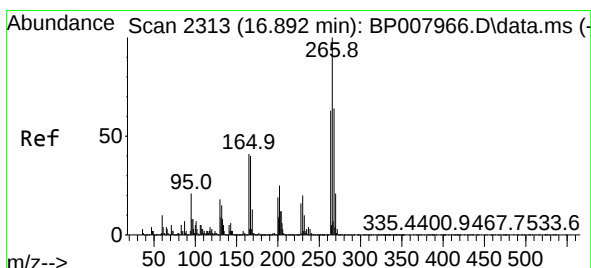
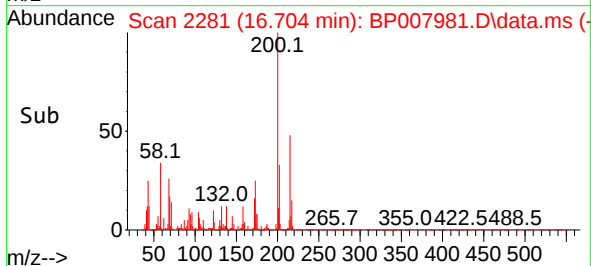
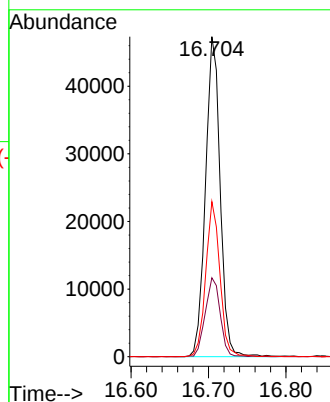
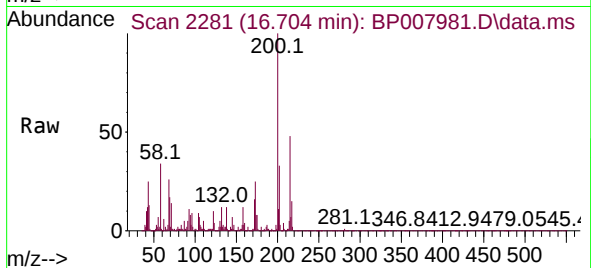
Tgt Ion:200 Resp: 62123

Ion Ratio Lower Upper

200 100

173 24.6 6.2 46.2

215 48.4 28.2 68.2



#70

Pentachlorophenol

Concen: 6.916 ng

RT: 16.898 min Scan# 2314

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

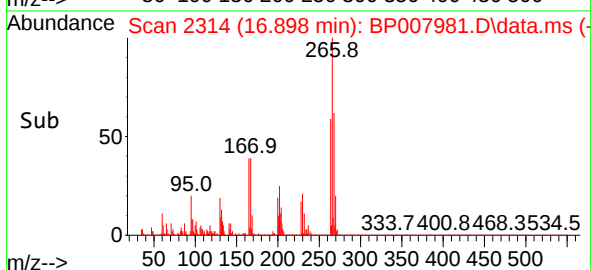
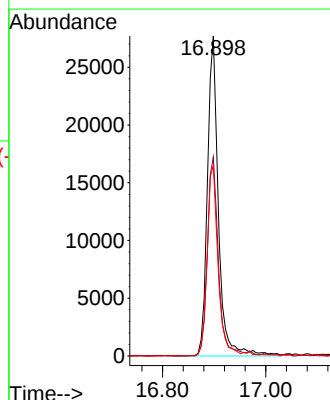
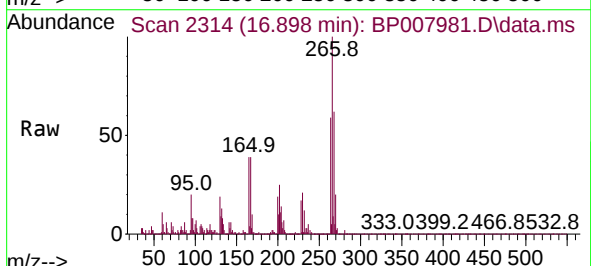
Tgt Ion:266 Resp: 41048

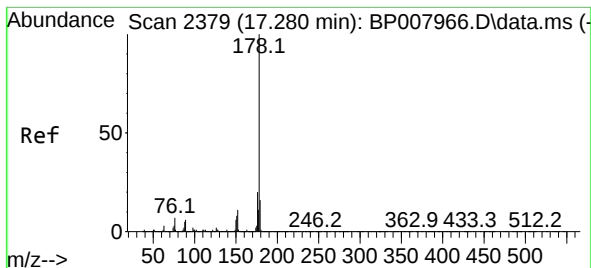
Ion Ratio Lower Upper

266 100

268 62.2 49.3 73.9

264 59.4 48.7 73.1





#71

Phenanthrene

Concen: 7.800 ng

RT: 17.281 min Scan# 2379

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

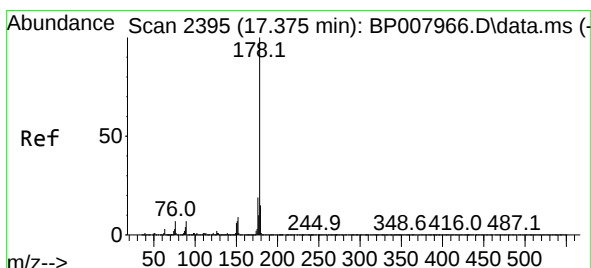
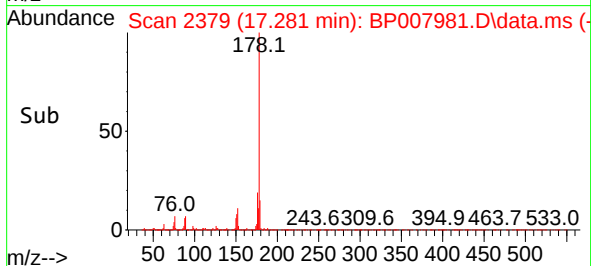
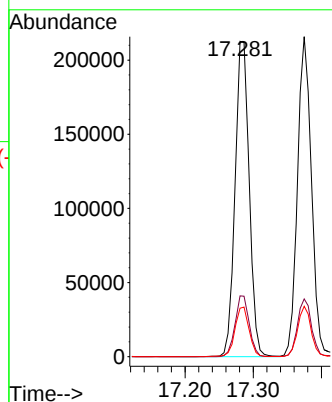
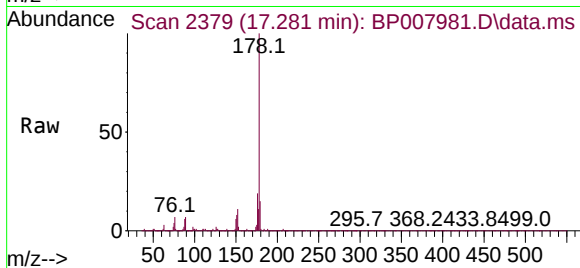
Tgt Ion:178 Resp: 307063

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.4 12.3 18.5



#72

Anthracene

Concen: 8.028 ng

RT: 17.375 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

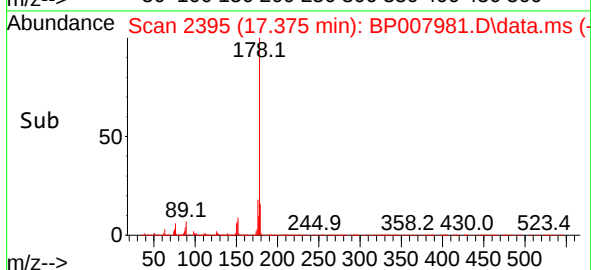
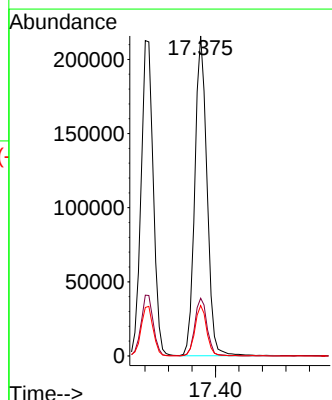
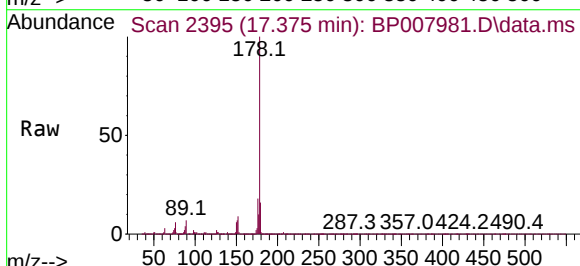
Tgt Ion:178 Resp: 309812

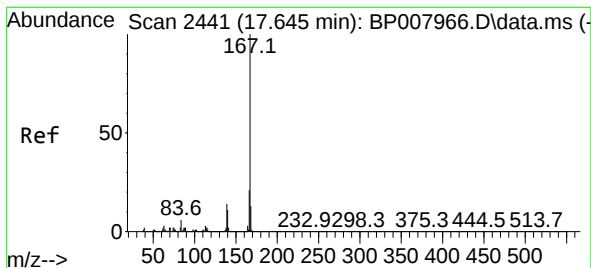
Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

179 15.7 12.2 18.4





#73

Carbazole

Concen: 7.345 ng

RT: 17.651 min Scan# 2441

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

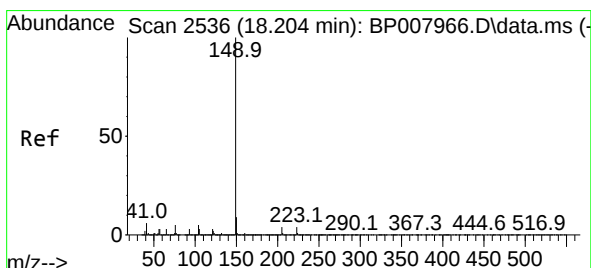
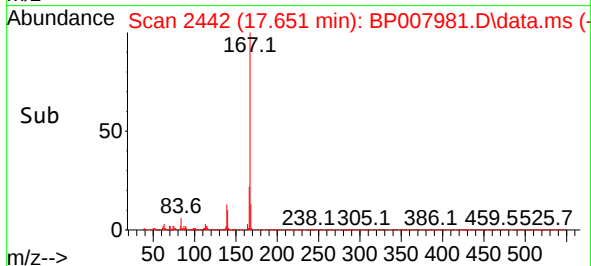
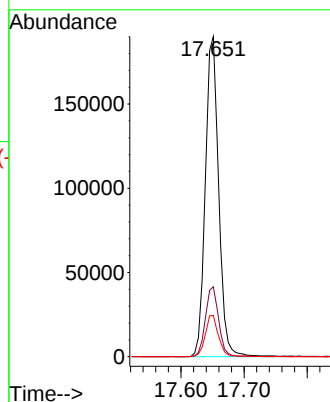
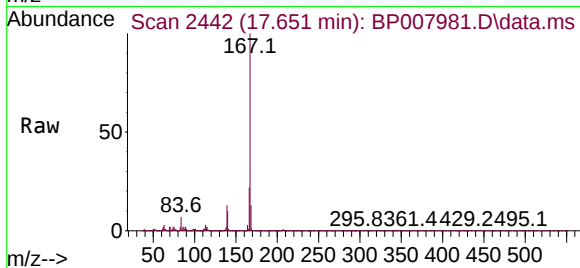
Tgt Ion:167 Resp: 279136

Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

139 12.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 7.078 ng

RT: 18.210 min Scan# 2537

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

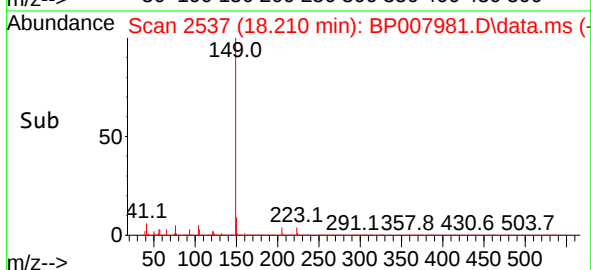
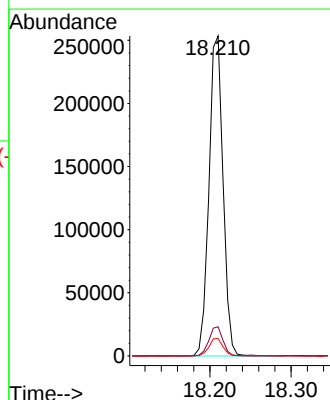
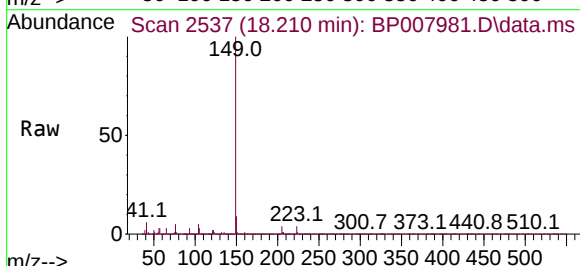
Tgt Ion:149 Resp: 304435

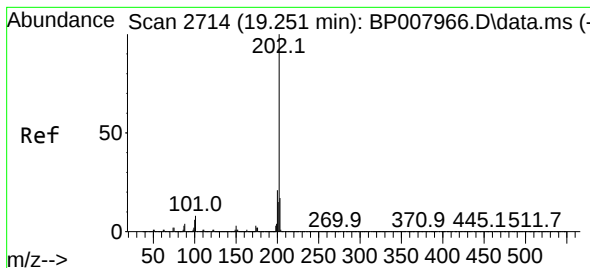
Ion Ratio Lower Upper

149 100

150 9.1 7.6 11.4

104 5.4 4.2 6.4





#75

Fluoranthene

Concen: 7.811 ng

RT: 19.257 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

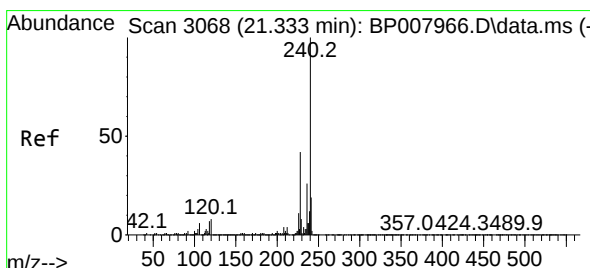
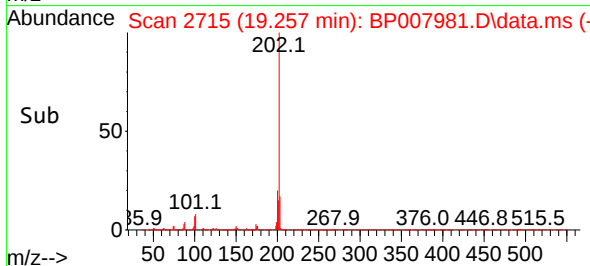
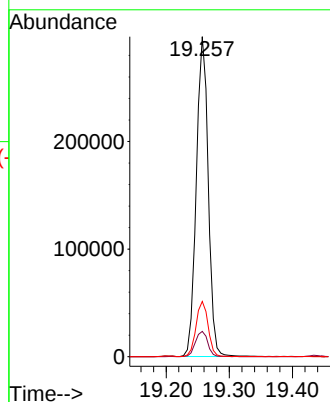
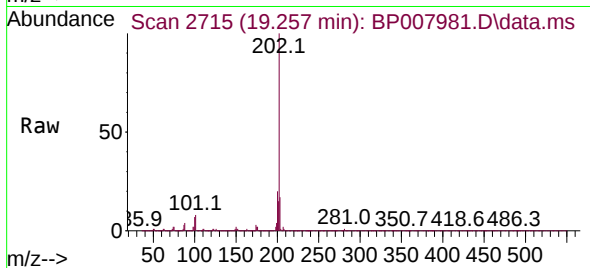
Tgt Ion:202 Resp: 389336

Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.4

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.339 min Scan# 3069

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

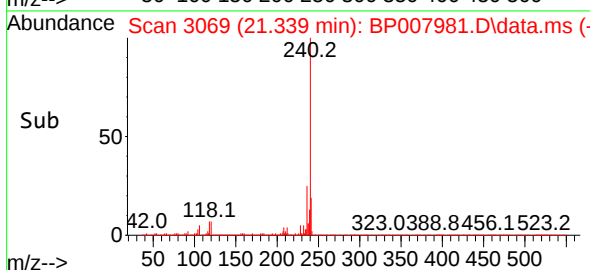
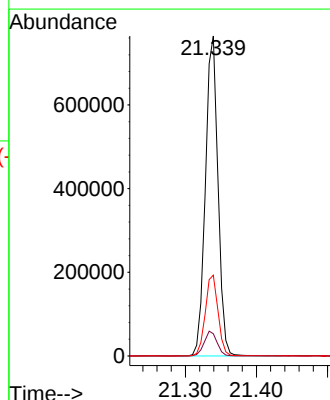
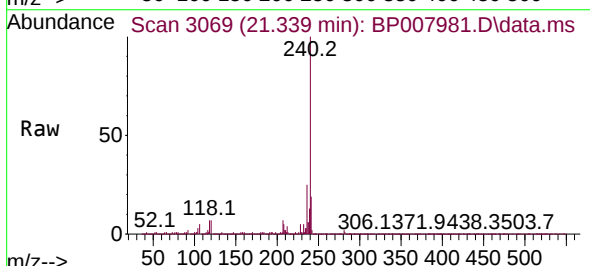
Tgt Ion:240 Resp: 944504

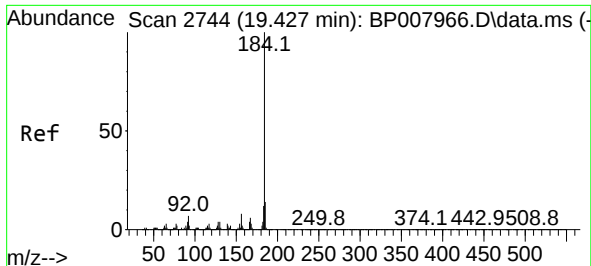
Ion Ratio Lower Upper

240 100

120 6.9 7.8 11.8#

236 25.2 20.6 30.8

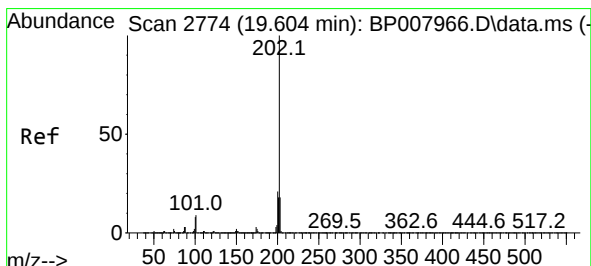
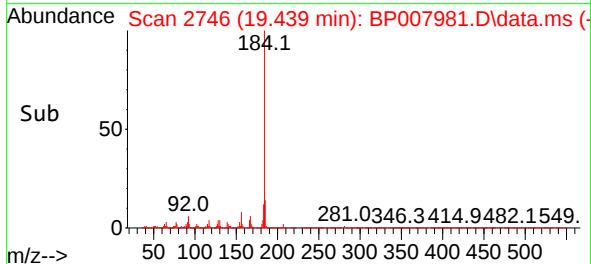
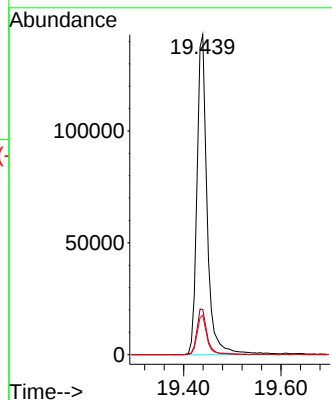
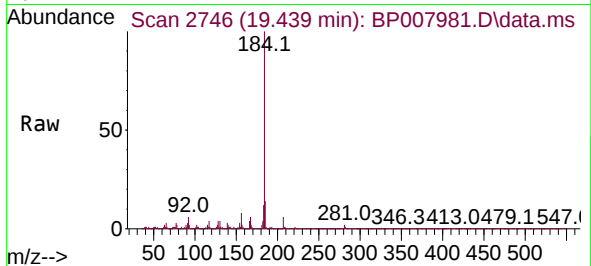




#77
Benzidine
Concen: 14.442 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

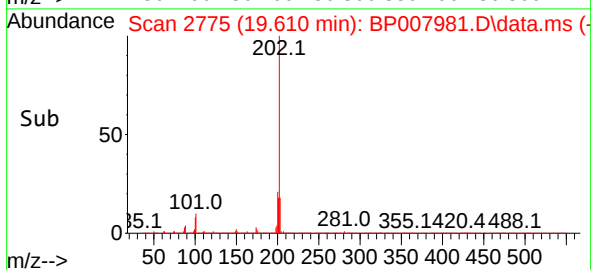
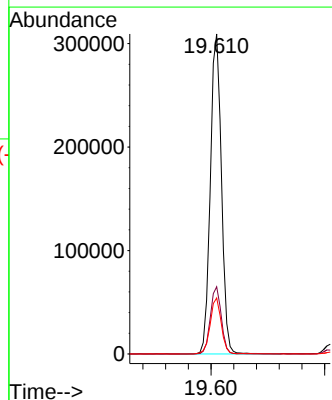
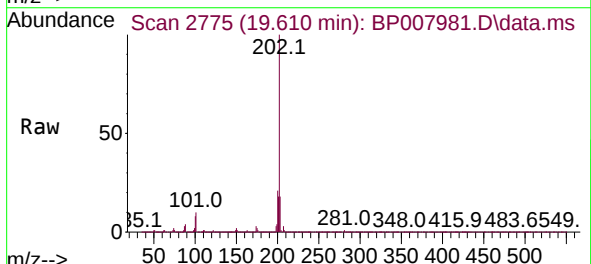
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

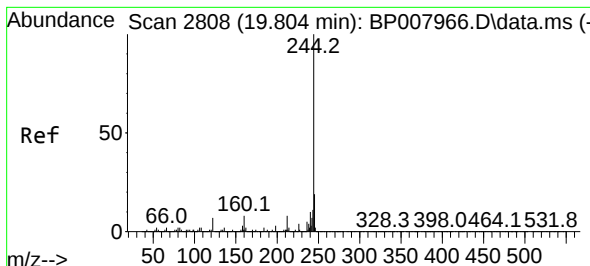
Tgt Ion:184 Resp: 209291
Ion Ratio Lower Upper
184 100
185 14.2 11.2 16.8
183 12.4 9.1 13.7



#78
Pyrene
Concen: 7.365 ng
RT: 19.610 min Scan# 2775
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:202 Resp: 415978
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 64.606 ng

RT: 19.810 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

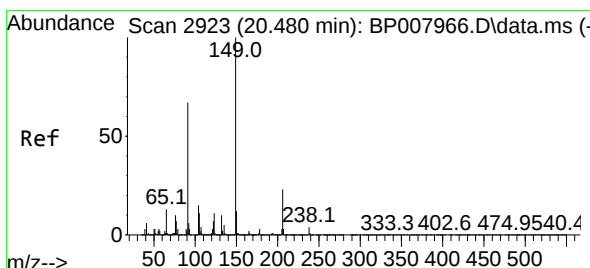
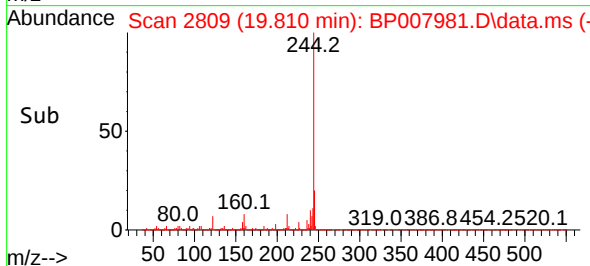
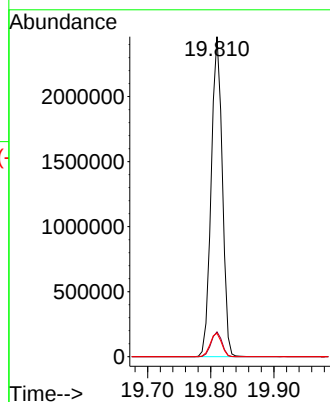
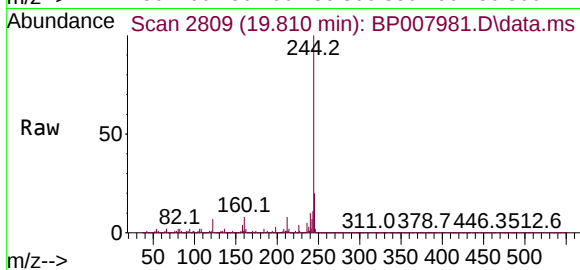
Tgt Ion:244 Resp: 3009350

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 7.3 7.8 11.8#



#80

Butylbenzylphthalate

Concen: 6.346 ng

RT: 20.486 min Scan# 2924

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

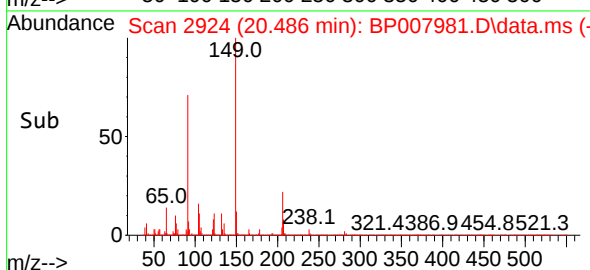
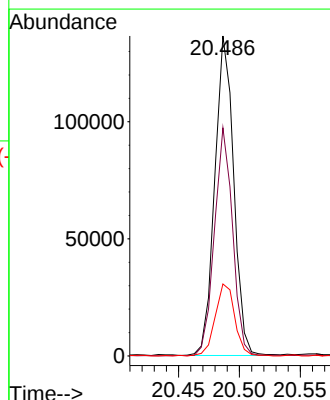
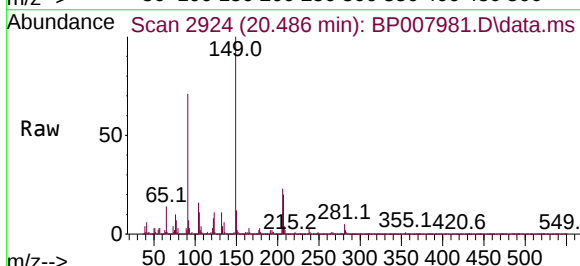
Tgt Ion:149 Resp: 147997

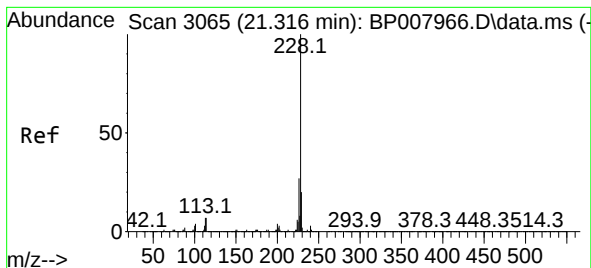
Ion Ratio Lower Upper

149 100

91 71.3 56.6 85.0

206 22.5 17.4 26.2





#81

Benzo(a)anthracene

Concen: 7.371 ng

RT: 21.322 min Scan# 3066

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

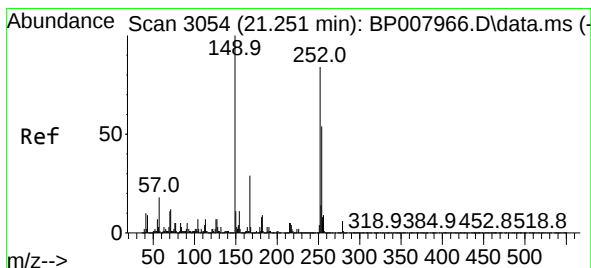
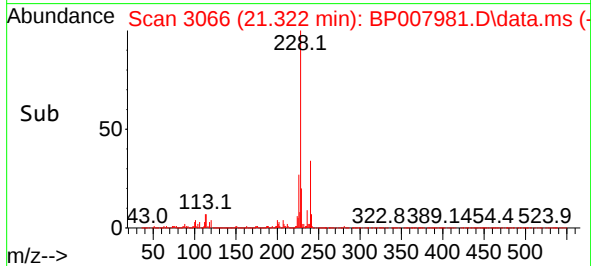
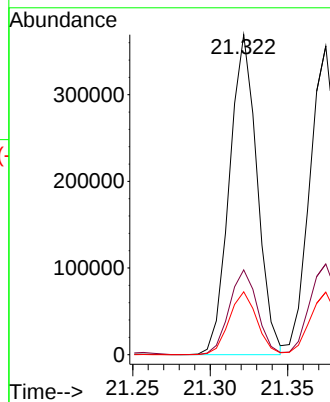
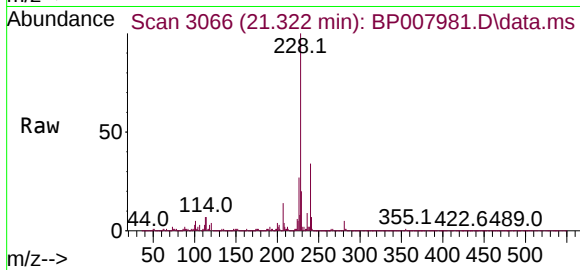
Tgt Ion:228 Resp: 458340

Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.6

229 19.6 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 6.164 ng

RT: 21.257 min Scan# 3055

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

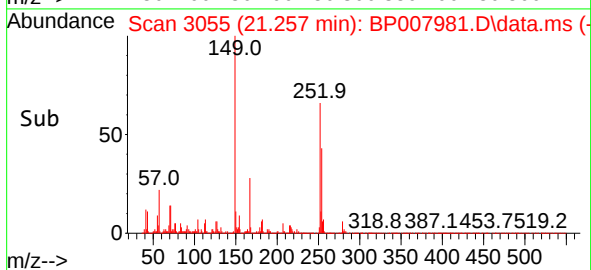
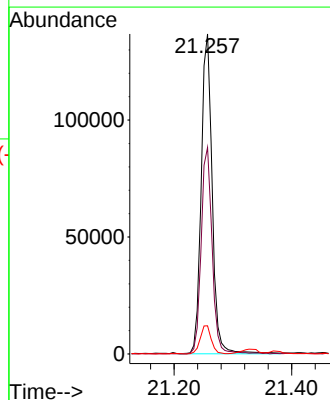
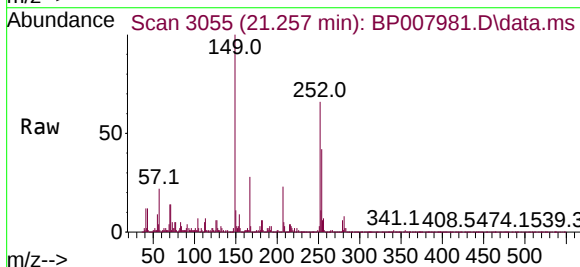
Tgt Ion:252 Resp: 176909

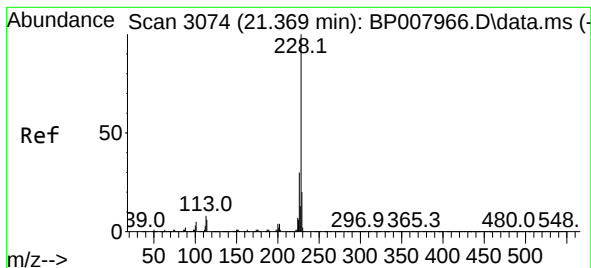
Ion Ratio Lower Upper

252 100

254 64.6 51.5 77.3

126 8.8 8.5 12.7





#83

Chrysene

Concen: 7.785 ng

RT: 21.375 min Scan# 3074

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

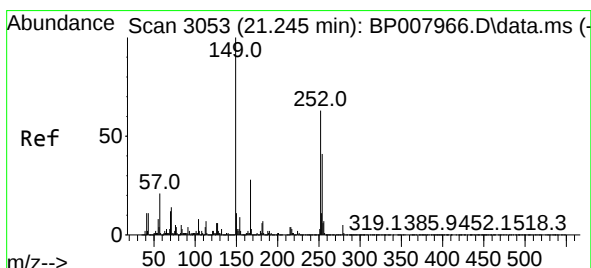
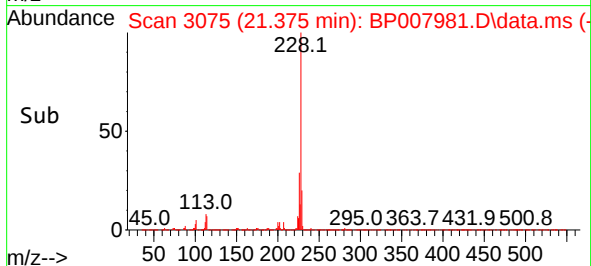
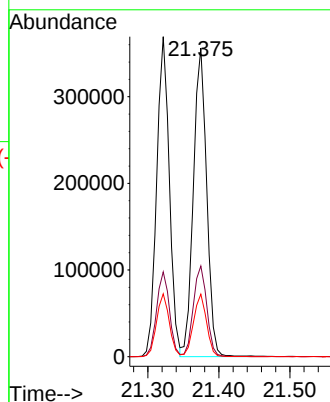
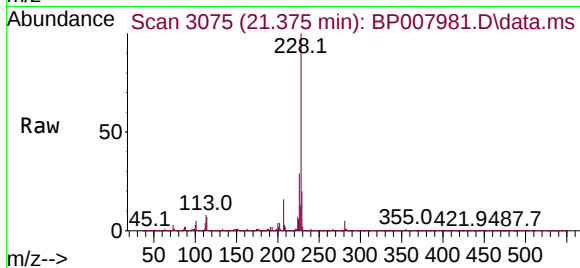
Tgt Ion:228 Resp: 463972

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

229 20.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.182 ng

RT: 21.251 min Scan# 3054

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

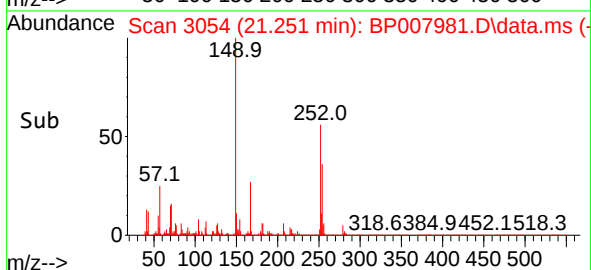
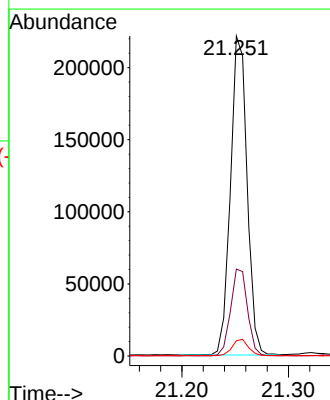
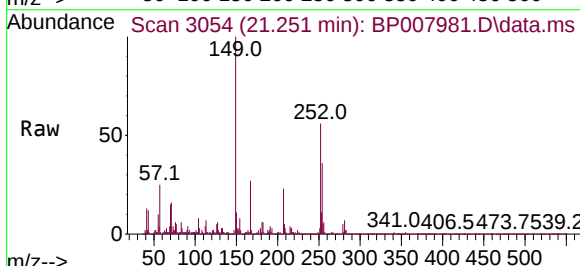
Tgt Ion:149 Resp: 239149

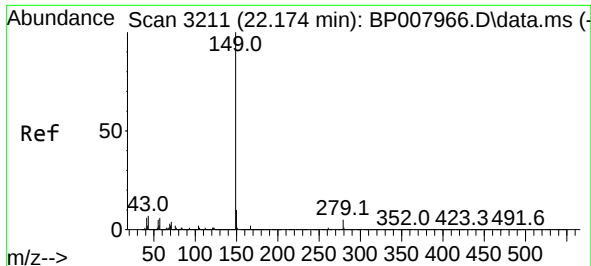
Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

279 4.7 3.3 4.9

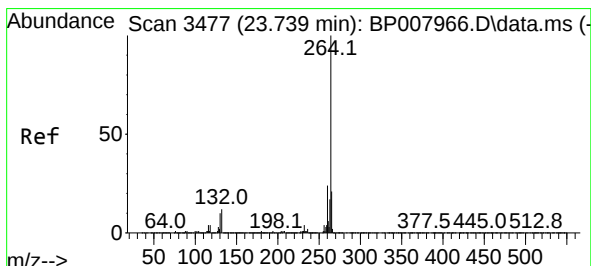
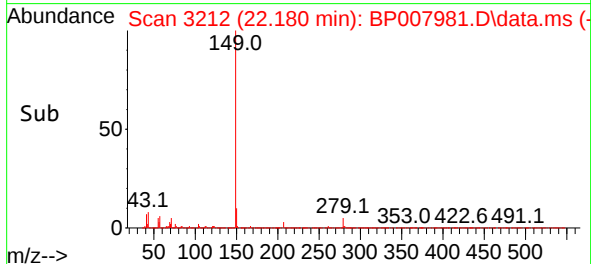
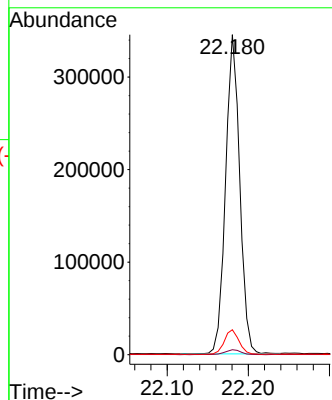
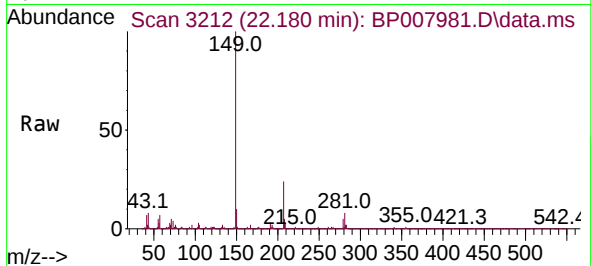




#85
Di-n-octyl phthalate
Concen: 6.819 ng
RT: 22.180 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

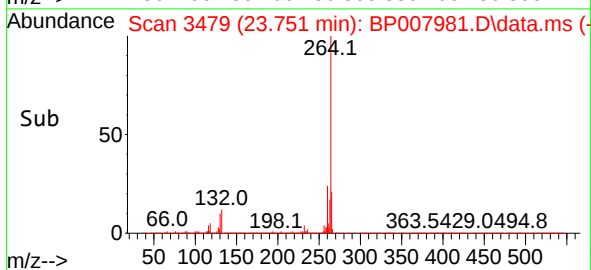
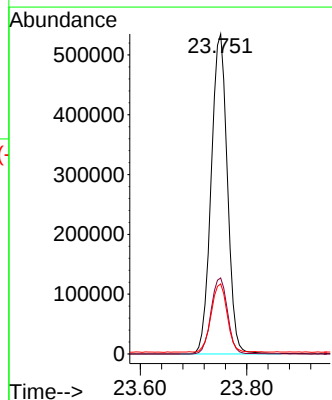
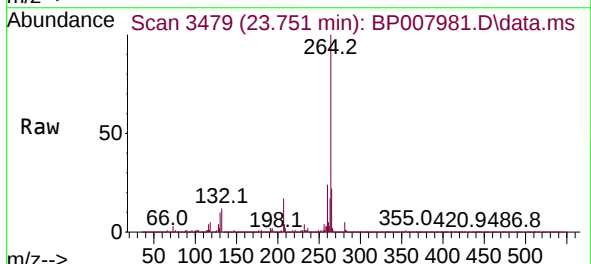
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

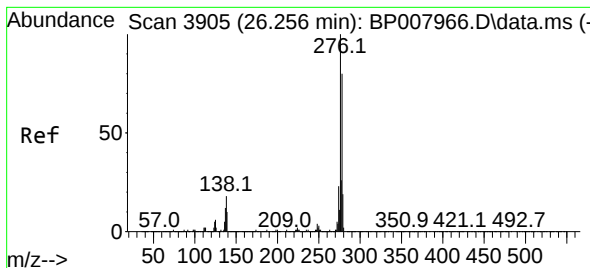
Tgt Ion:149 Resp: 418456
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 7.9 7.3 10.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.751 min Scan# 3479
Delta R.T. 0.012 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:264 Resp: 1128873
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.029 ng

RT: 26.263 min Scan# 3906

Delta R.T. 0.006 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

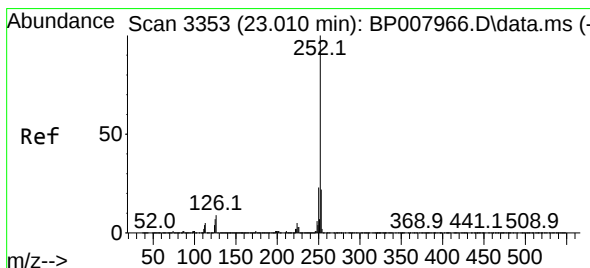
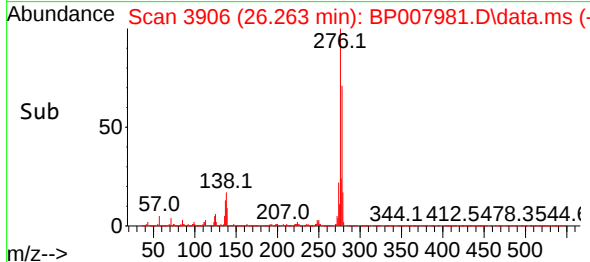
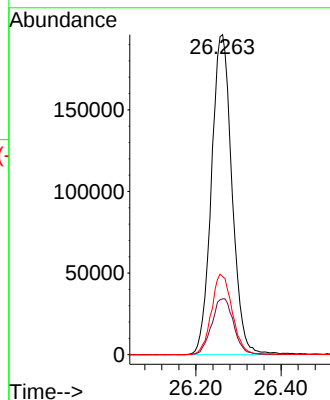
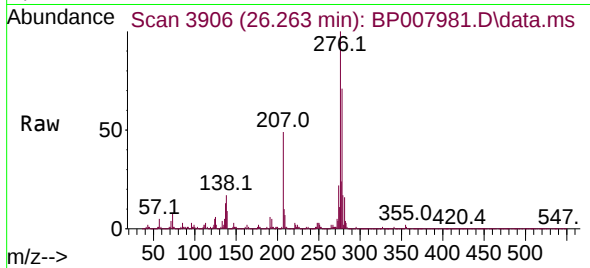
Tgt Ion:276 Resp: 654373

Ion Ratio Lower Upper

276 100

138 18.7 19.4 29.0#

277 25.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.750 ng

RT: 23.010 min Scan# 3353

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

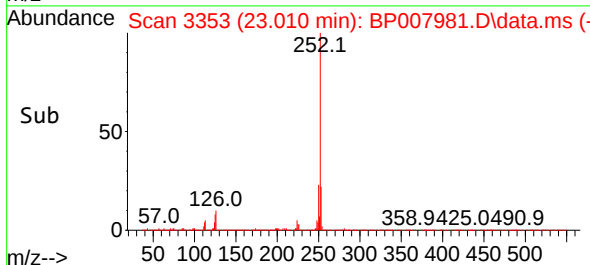
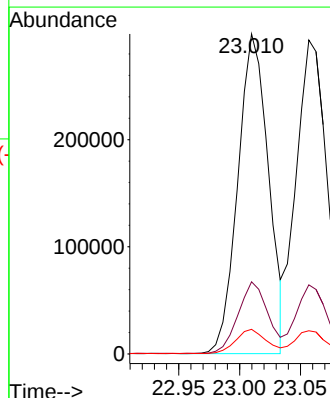
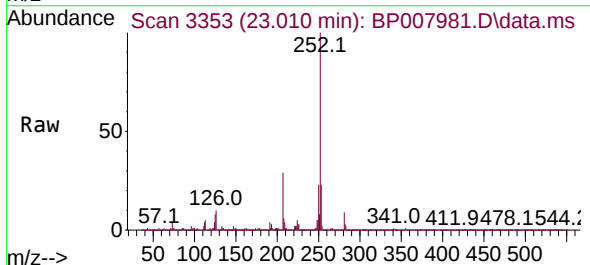
Tgt Ion:252 Resp: 520791

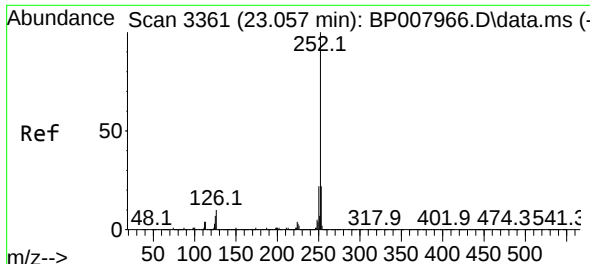
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 7.7 7.4 11.0

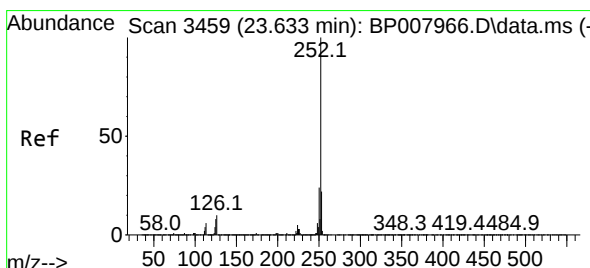
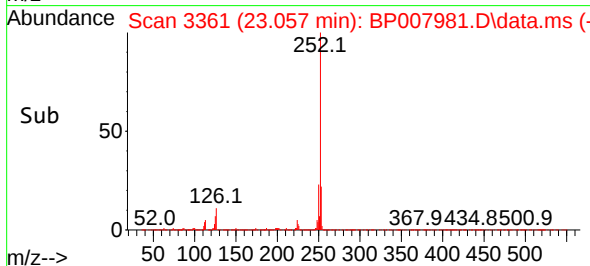
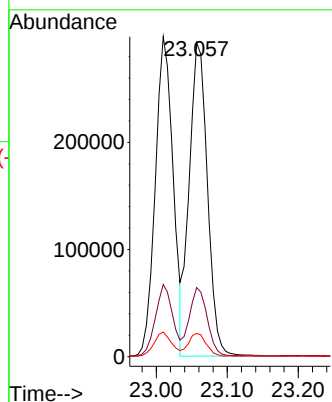
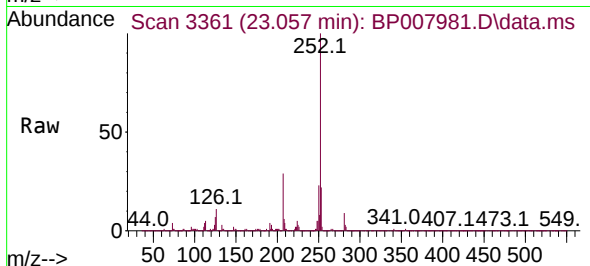




#89
Benzo(k)fluoranthene
Concen: 7.768 ng
RT: 23.057 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

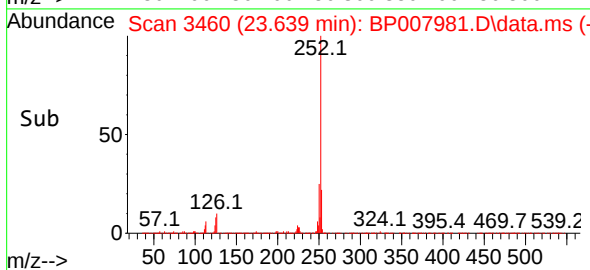
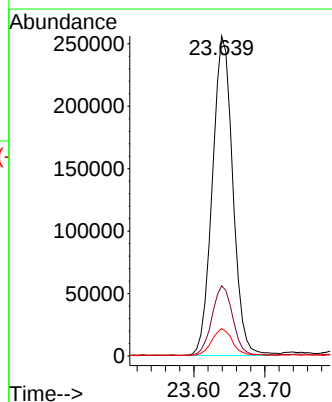
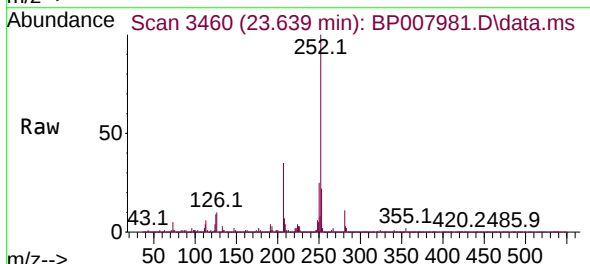
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

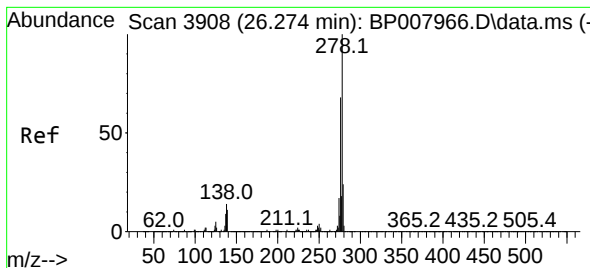
Tgt Ion:252 Resp: 521478
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.4 7.4 11.0



#90
Benzo(a)pyrene
Concen: 8.904 ng
RT: 23.639 min Scan# 3460
Delta R.T. 0.006 min
Lab File: BP007981.D
Acq: 15 Nov 2021 12:19

Tgt Ion:252 Resp: 511758
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 8.6 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 8.235 ng

RT: 26.274 min Scan# 3908

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

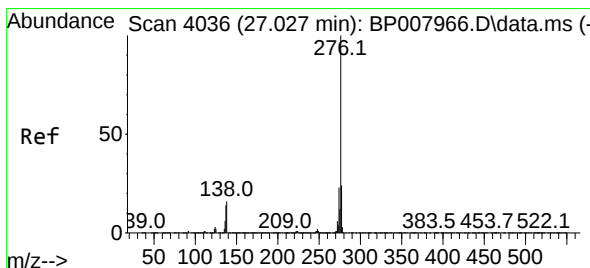
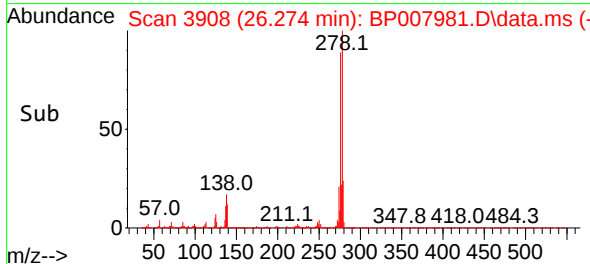
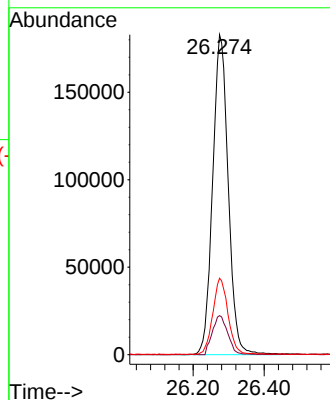
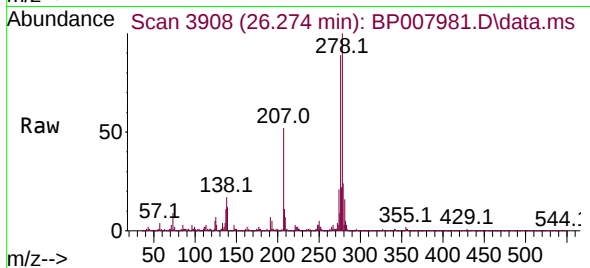
Tgt Ion:278 Resp: 556763

Ion Ratio Lower Upper

278 100

139 12.2 11.8 17.6

279 23.9 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 8.309 ng

RT: 27.027 min Scan# 4036

Delta R.T. 0.000 min

Lab File: BP007981.D

Acq: 15 Nov 2021 12:19

Tgt Ion:276 Resp: 553783

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 16.5 16.2 24.4

