

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
 Data File : BP021963.D
 Acq On : 20 Sep 2024 11:49
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ--SOIL 5 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 20 12:33:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	75132	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	282360	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	208918	20.000	ng	0.00
64) Phenanthrene-d10	17.110	188	508713	20.000	ng	-0.03
76) Chrysene-d12	21.539	240	626667	20.000	ng	-0.02
86) Perylene-d12	24.833	264	750639	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	468864	117.277	ng	0.00
7) Phenol-d6	6.893	99	603181	116.219	ng	0.00
23) Nitrobenzene-d5	8.852	82	456145	85.480	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	482980	124.701	ng	-0.02
45) 2-Fluorobiphenyl	12.934	172	1227826	85.792	ng	0.00
79) Terphenyl-d14	19.845	244	2734781	81.977	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	8001	4.820	ng	94
3) Pyridine	3.664	79	18607	4.203	ng	98
4) n-Nitrosodimethylamine	3.564	42	11323	4.848	ng	# 86
6) Aniline	7.046	93	26796	5.875	ng	93
8) 2-Chlorophenol	7.281	128	21101	4.936	ng	91
9) Benzaldehyde	6.864	77	21032	7.750	ng	95
10) Phenol	6.917	94	25009	4.852	ng	96
11) bis(2-Chloroethyl)ether	7.140	93	19043	4.904	ng	89
12) 1,3-Dichlorobenzene	7.605	146	25901	4.799	ng	95
13) 1,4-Dichlorobenzene	7.746	146	26037	4.757	ng	97
14) 1,2-Dichlorobenzene	8.058	146	25043	4.767	ng	98
15) Benzyl Alcohol	7.952	79	18191	4.570	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.222	45	21268	5.135	ng	98
17) 2-Methylphenol	8.146	107	16130	4.632	ng	97
18) Hexachloroethane	8.775	117	9346	4.644	ng	97
19) n-Nitroso-di-n-propyla...	8.505	70	15913	4.933	ng	92
20) 3+4-Methylphenols	8.469	107	21218	4.316	ng	96
22) Acetophenone	8.522	105	34001	4.936	ng	97
24) Nitrobenzene	8.893	77	24987	4.611	ng	99
25) Isophorone	9.416	82	41227	4.686	ng	97
26) 2-Nitrophenol	9.599	139	9640	4.068	ng	88
27) 2,4-Dimethylphenol	9.652	122	12404	4.521	ng	94
28) bis(2-Chloroethoxy)met...	9.887	93	24467	4.638	ng	97
29) 2,4-Dichlorophenol	10.128	162	19953	4.285	ng	96
30) 1,2,4-Trichlorobenzene	10.340	180	27073	4.667	ng	96
31) Naphthalene	10.528	128	66378	4.711	ng	97
32) Benzoic acid	9.728	122	8187	2.552	ng	92
33) 4-Chloroaniline	10.628	127	25199	4.958	ng	94
34) Hexachlorobutadiene	10.810	225	20567	4.532	ng	98
35) Caprolactam	11.399	113	5338	3.852	ng	# 89
36) 4-Chloro-3-methylphenol	11.757	107	20240	4.051	ng	# 91
37) 2-Methylnaphthalene	12.128	142	48768	4.731	ng	98
38) 1-Methylnaphthalene	12.352	142	43855	4.309	ng	100
40) 1,2,4,5-Tetrachloroben...	12.504	216	34491	4.719	ng	99
41) Hexachlorocyclopentadiene	12.487	237	15090	5.556	ng	97
43) 2,4,6-Trichlorophenol	12.746	196	18405	4.102	ng	93

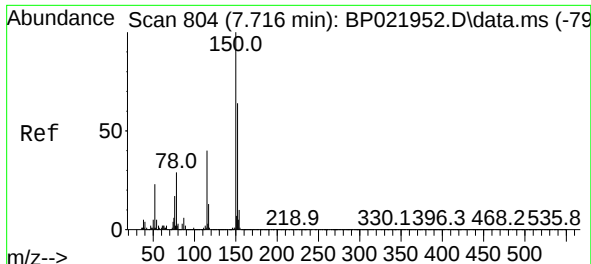
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 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.816	196	19660	3.906	ng	97
46) 1,1'-Biphenyl	13.146	154	73761	5.178	ng	97
47) 2-Chloronaphthalene	13.193	162	53911	4.681	ng	98
48) 2-Nitroaniline	13.393	65	12748	4.053	ng	99
49) Acenaphthylene	14.046	152	79400	4.885	ng	98
50) Dimethylphthalate	13.775	163	73562	4.855	ng	99
51) 2,6-Dinitrotoluene	13.887	165	13543	4.011	ng	97
52) Acenaphthene	14.381	154	48002	4.538	ng	98
53) 3-Nitroaniline	14.228	138	11794	3.919	ng	99
54) 2,4-Dinitrophenol	14.440	184	5921	2.993	ng	# 77
55) Dibenzofuran	14.722	168	87727	4.934	ng	99
56) 4-Nitrophenol	14.551	139	8334	3.182	ng	85
57) 2,4-Dinitrotoluene	14.687	165	18641	3.905	ng	# 93
58) Fluorene	15.381	166	69789	4.700	ng	93
59) 2,3,4,6-Tetrachlorophenol	14.957	232	21192	4.363	ng	99
60) Diethylphthalate	15.151	149	72756	4.725	ng	99
61) 4-Chlorophenyl-phenyle...	15.375	204	39801	4.604	ng	97
62) 4-Nitroaniline	15.393	138	12893	3.896	ng	97
63) Azobenzene	15.675	77	57578	4.519	ng	98
65) 4,6-Dinitro-2-methylph...	15.463	198	10330	3.503	ng	95
66) n-Nitrosodiphenylamine	15.593	169	57832	4.566	ng	98
67) 4-Bromophenyl-phenylether	16.287	248	27278	4.600	ng	98
68) Hexachlorobenzene	16.404	284	34530	4.670	ng	93
69) Atrazine	16.563	200	25342	5.584	ng	97
70) Pentachlorophenol	16.757	266	17749	3.568	ng	96
71) Phenanthrene	17.157	178	120610	4.939	ng	97
72) Anthracene	17.251	178	112788	4.771	ng	98
73) Carbazole	17.534	167	101661	4.453	ng	99
74) Di-n-butylphthalate	18.122	149	112604	4.199	ng	99
75) Fluoranthene	19.239	202	152606	4.477	ng	99
77) Benzidine	19.439	184	63355	8.273	ng	96
78) Pyrene	19.616	202	162904	4.297	ng	98
80) Butylbenzylphthalate	20.575	149	55953	4.138	ng	93
81) Benzo(a)anthracene	21.522	228	192887	4.790	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	64301	4.401	ng	100
83) Chrysene	21.592	228	184677	4.871	ng	98
84) Bis(2-ethylhexyl)phtha...	21.469	149	84160	4.241	ng	99
85) Di-n-octyl phthalate	22.710	149	136346	4.045	ng	99
87) Indeno(1,2,3-cd)pyrene	28.551	276	240368	4.815	ng	# 88
88) Benzo(b)fluoranthene	23.845	252	203228	4.578	ng	99
89) Benzo(k)fluoranthene	23.845	252	203228	4.837	ng	98
90) Benzo(a)pyrene	24.669	252	179516	4.694	ng	97
91) Dibenzo(a,h)anthracene	28.633	278	197614	4.796	ng	# 97
92) Benzo(g,h,i)perylene	29.698	276	188242	4.460	ng	# 97

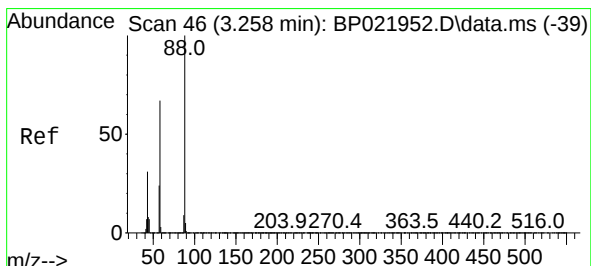
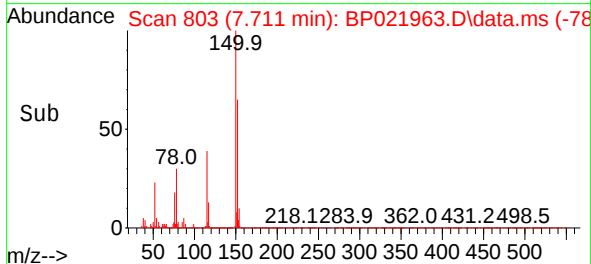
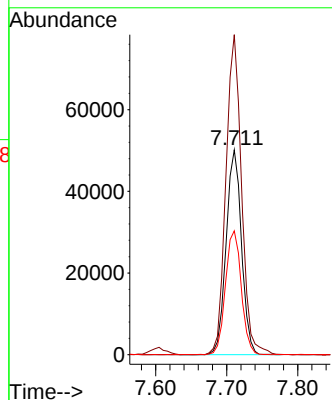
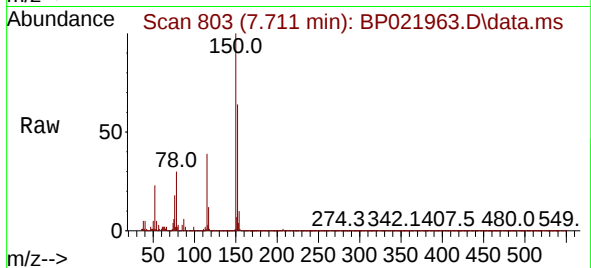
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

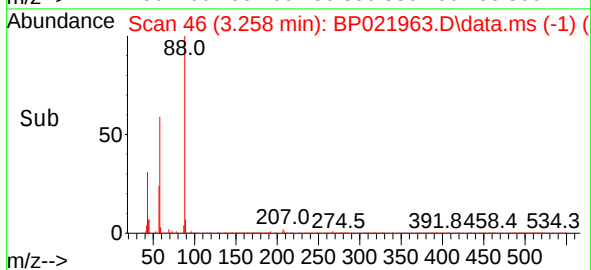
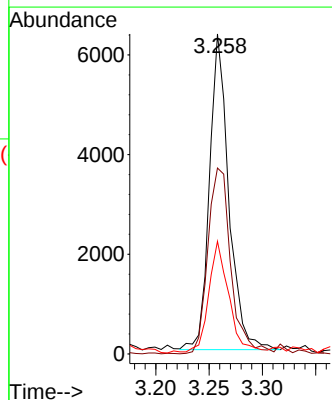
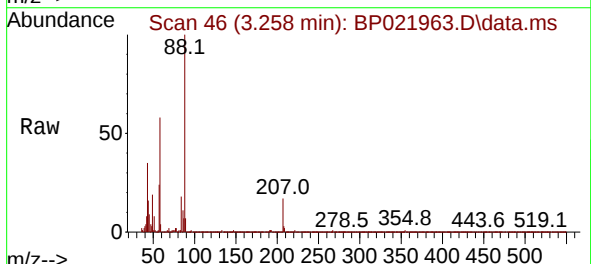
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

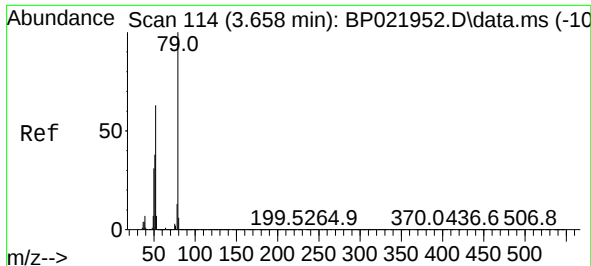
Tgt Ion:152 Resp: 75132
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 60.5 49.2 73.8



#2
1,4-Dioxane
Concen: 4.820 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 88 Resp: 8001
Ion Ratio Lower Upper
88 100
58 70.1 53.8 80.6
43 37.4 25.2 37.8

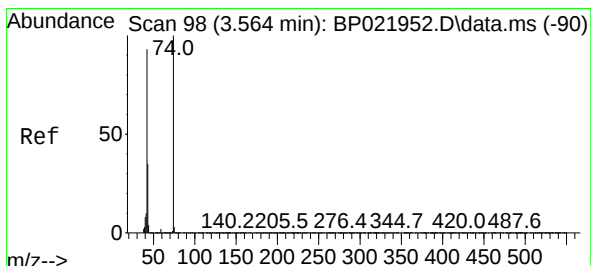
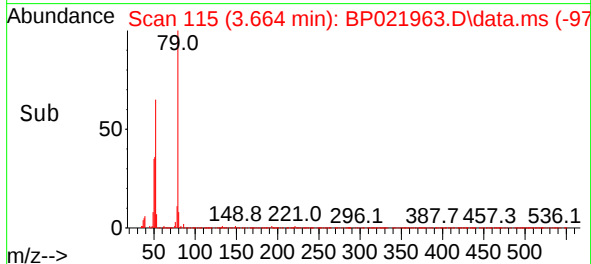
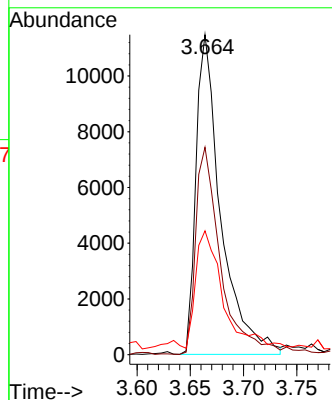
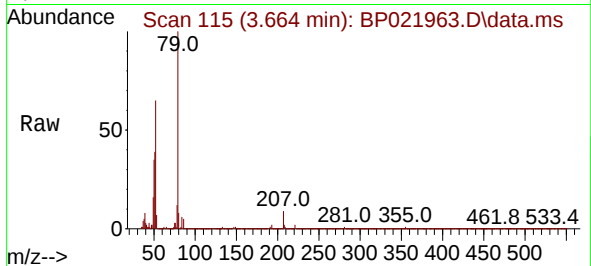




#3
Pyridine
Concen: 4.203 ng
RT: 3.664 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

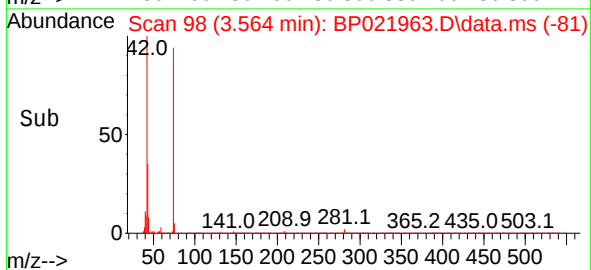
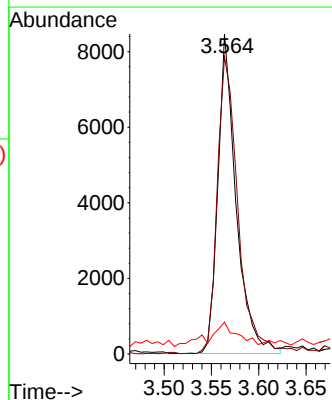
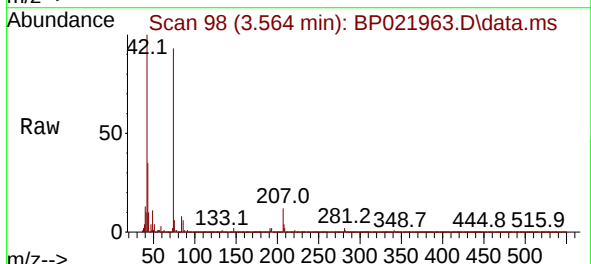
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

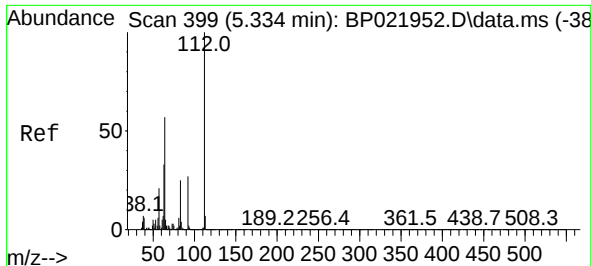
Tgt Ion: 79 Resp: 18607
Ion Ratio Lower Upper
79 100
52 64.8 50.3 75.5
51 38.7 30.9 46.3



#4
n-Nitrosodimethylamine
Concen: 4.848 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 42 Resp: 11323
Ion Ratio Lower Upper
42 100
74 93.0 86.3 129.5
44 10.0 4.0 6.0#

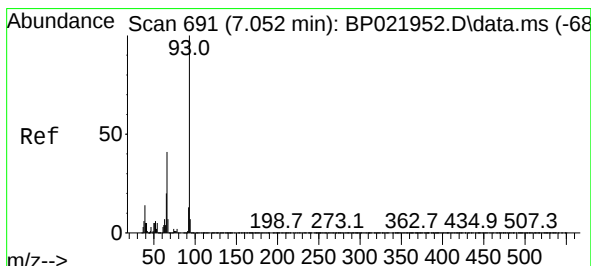
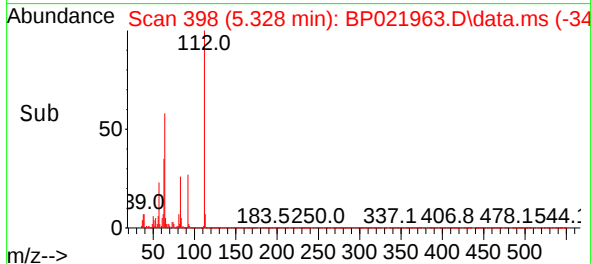
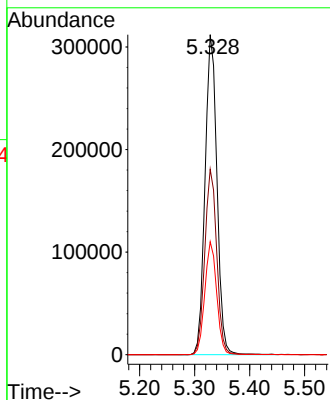
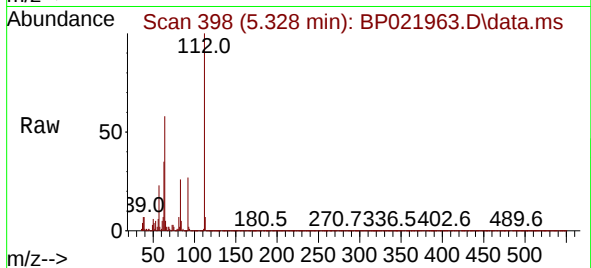




#5
2-Fluorophenol
Concen: 117.277 ng
RT: 5.328 min Scan# 398
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

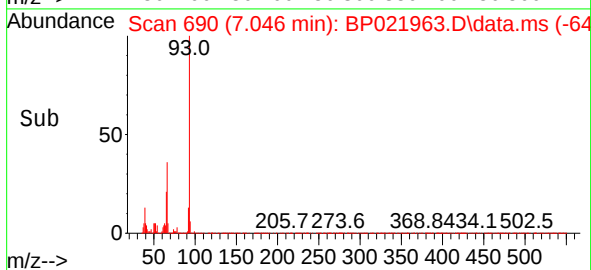
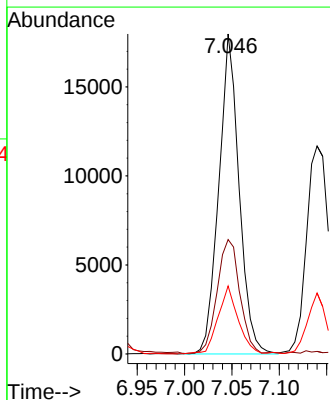
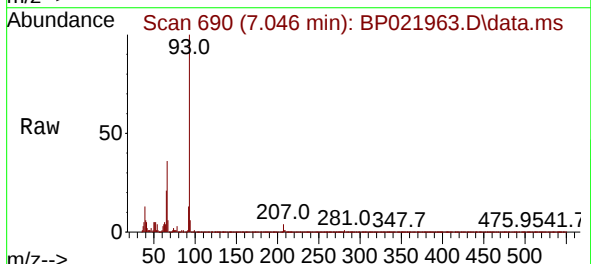
Instrument :
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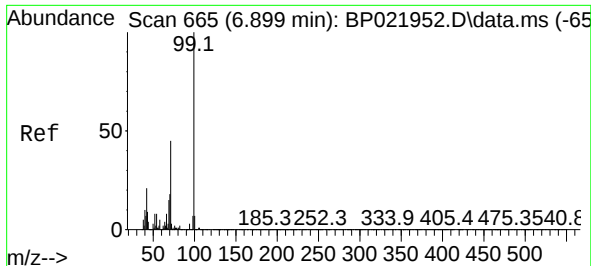
Tgt Ion:112 Resp: 468864
Ion Ratio Lower Upper
112 100
64 58.0 45.4 68.0
63 35.3 26.6 39.8



#6
Aniline
Concen: 5.875 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 93 Resp: 26796
Ion Ratio Lower Upper
93 100
66 35.8 33.0 49.4
65 21.3 16.1 24.1

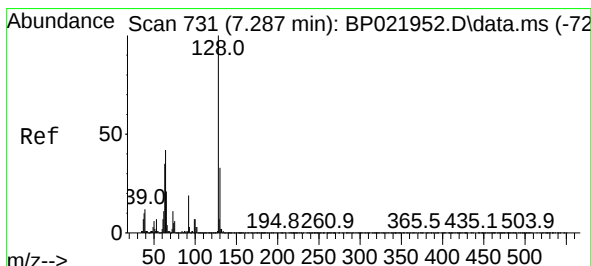
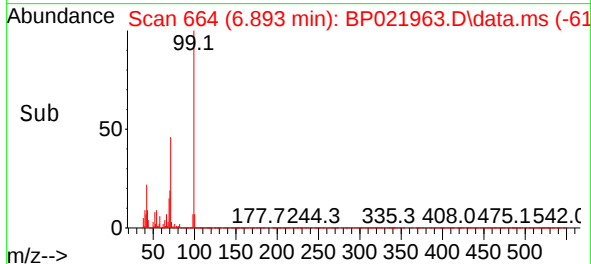
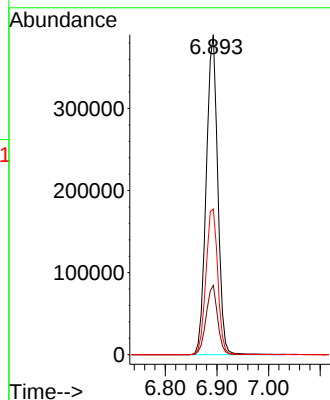
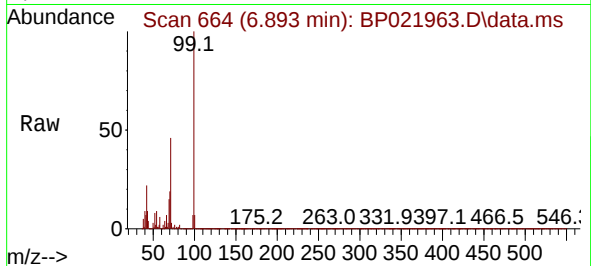




#7
Phenol-d6
Concen: 116.219 ng
RT: 6.893 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

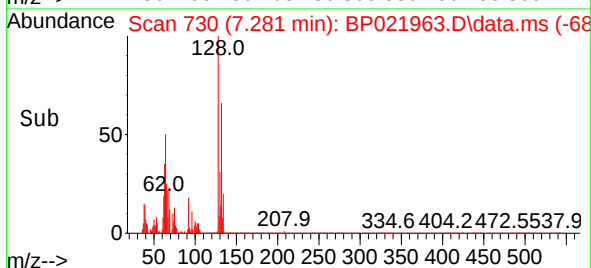
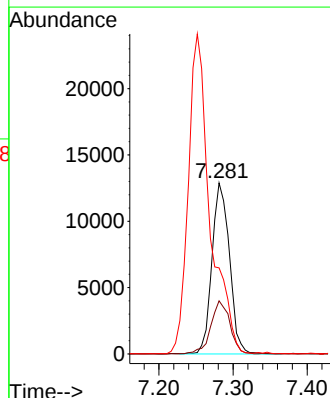
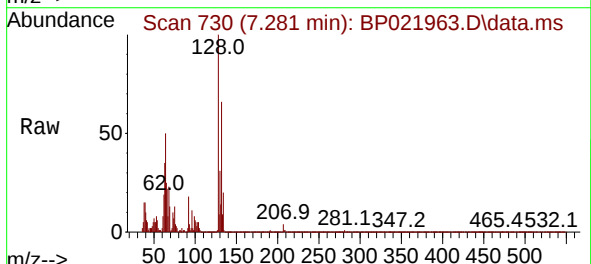
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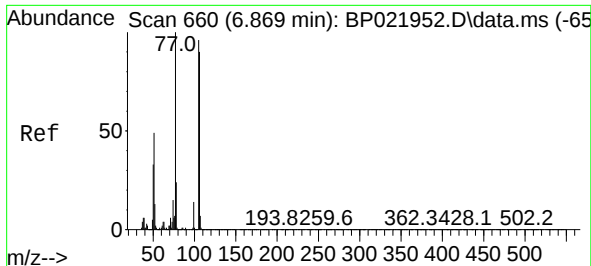
Tgt Ion: 99 Resp: 603181
Ion Ratio Lower Upper
99 100
42 21.7 16.8 25.2
71 45.5 35.8 53.6



#8
2-Chlorophenol
Concen: 4.936 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:128 Resp: 21101
Ion Ratio Lower Upper
128 100
130 31.1 13.1 53.1
64 50.3 22.1 62.1

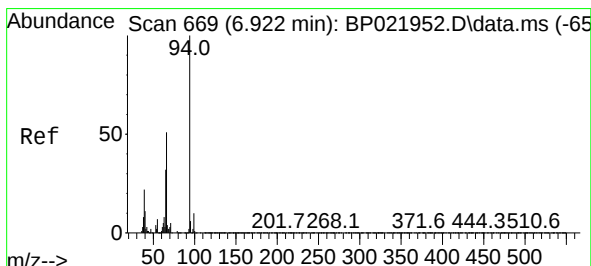
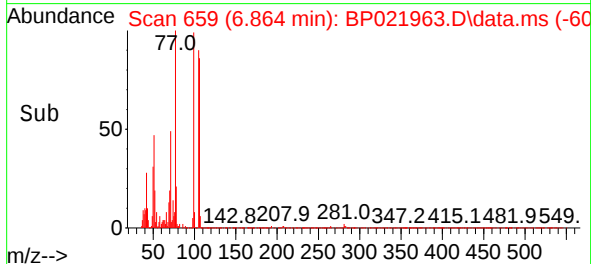
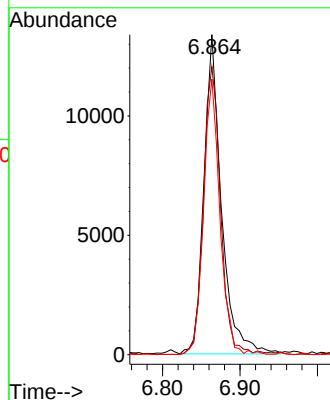
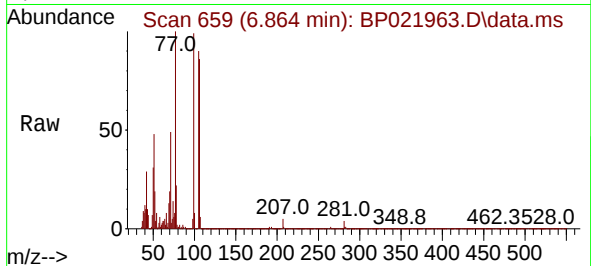




#9
Benzaldehyde
Concen: 7.750 ng
RT: 6.864 min Scan# 660
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

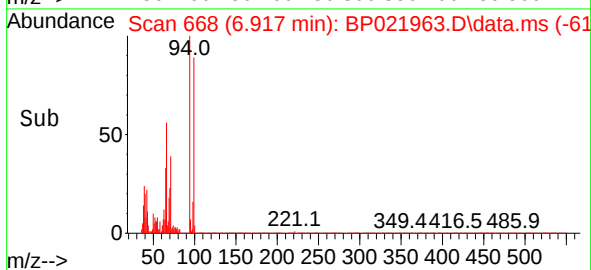
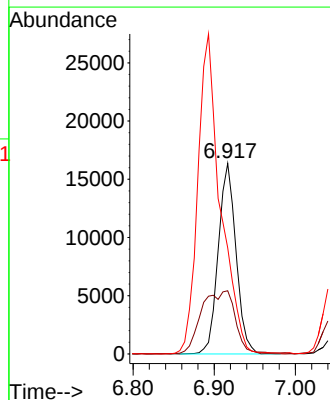
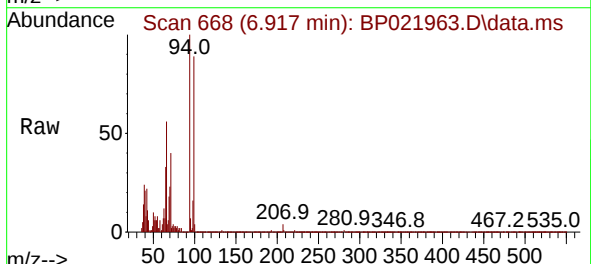
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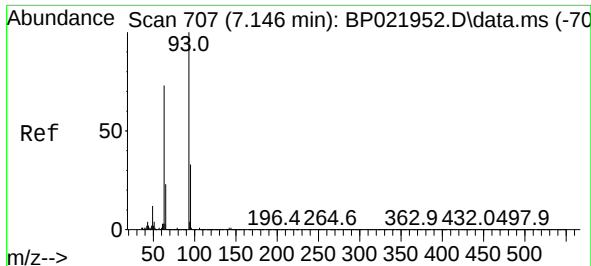
Tgt Ion: 77 Resp: 21032
Ion Ratio Lower Upper
77 100
105 90.0 76.1 116.1
106 86.1 69.9 109.9



#10
Phenol
Concen: 4.852 ng
RT: 6.917 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 94 Resp: 25009
Ion Ratio Lower Upper
94 100
65 33.1 12.5 52.5
66 55.7 31.2 71.2

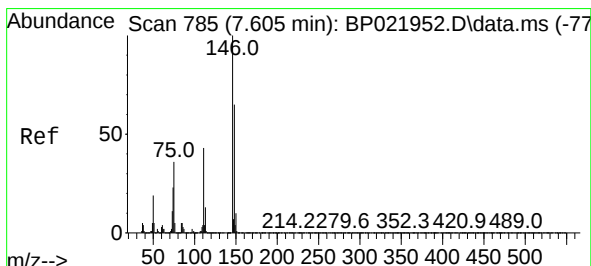
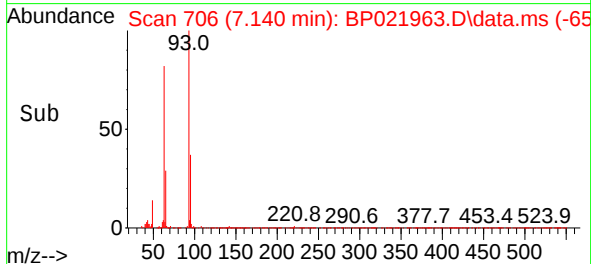
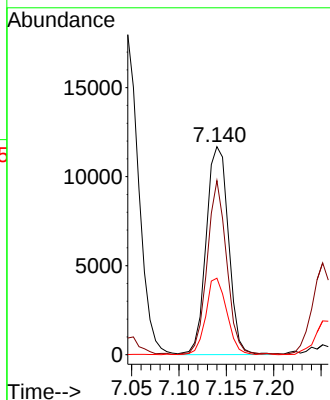
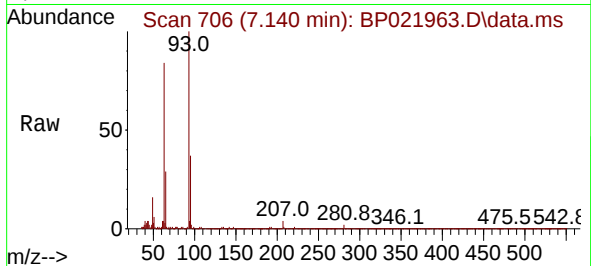




#11
bis(2-Chloroethyl)ether
Concen: 4.904 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

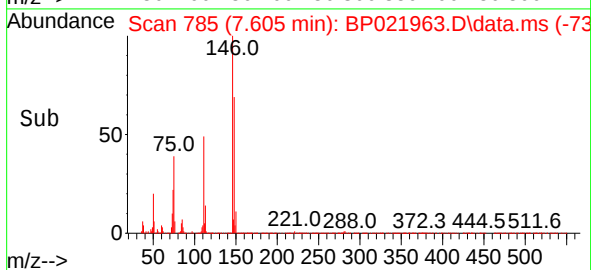
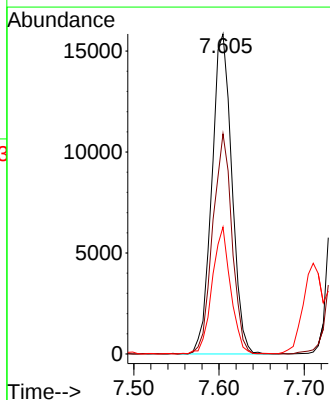
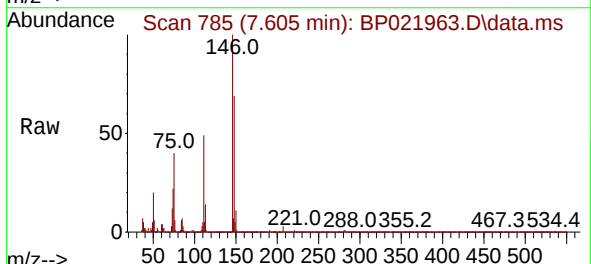
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

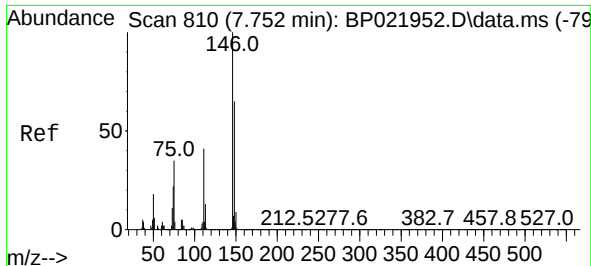
Tgt Ion: 93	Resp:	19043
Ion Ratio	Lower	Upper
93	100	
63	83.7	53.0 93.0
95	36.8	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 4.799 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 146	Resp:	25901
Ion Ratio	Lower	Upper
146	100	
148	68.8	52.3 78.5
75	39.7	29.0 43.6

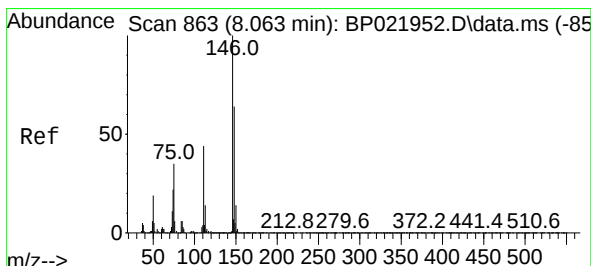
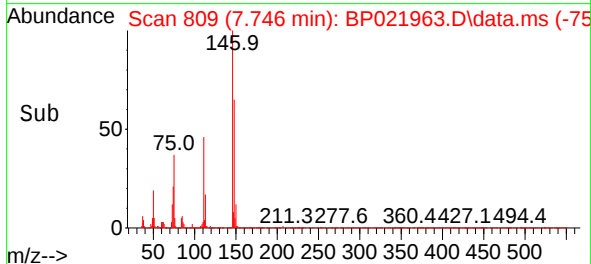
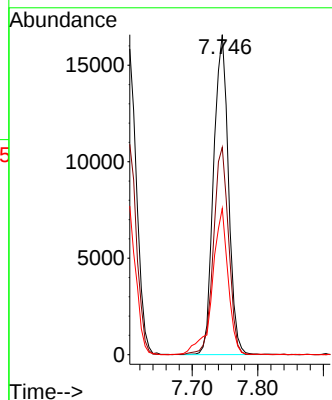
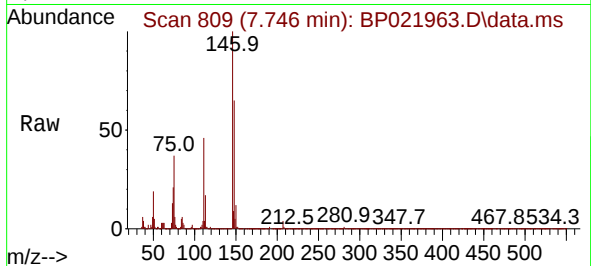




#13
1,4-Dichlorobenzene
Concen: 4.757 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

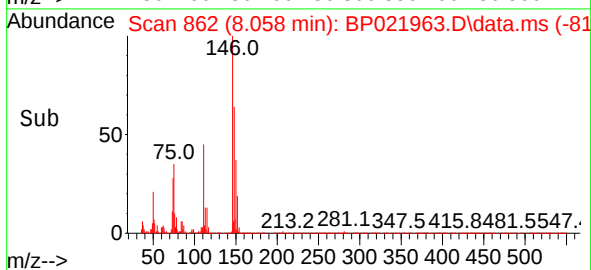
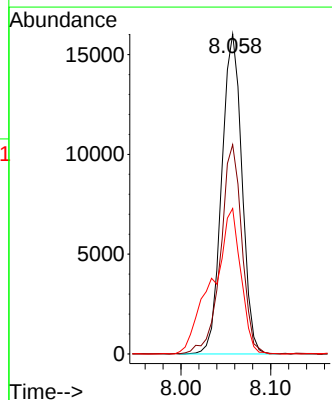
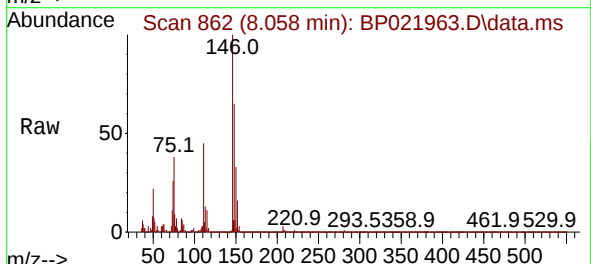
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

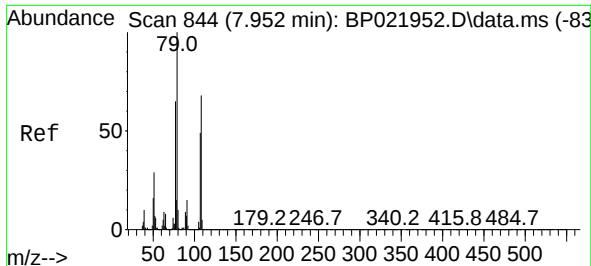
Tgt Ion:146 Resp: 26037
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.4
111 45.7 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 4.767 ng
RT: 8.058 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:146 Resp: 25043
Ion Ratio Lower Upper
146 100
148 65.4 51.3 76.9
111 45.5 35.6 53.4

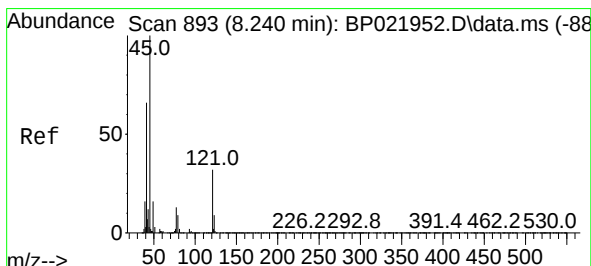
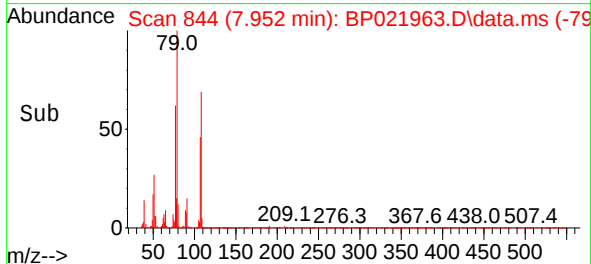
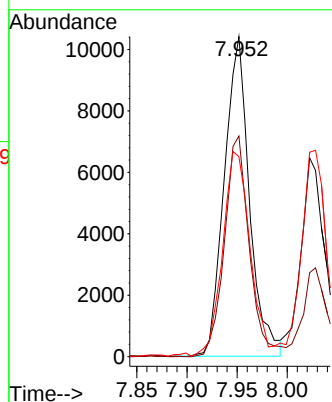
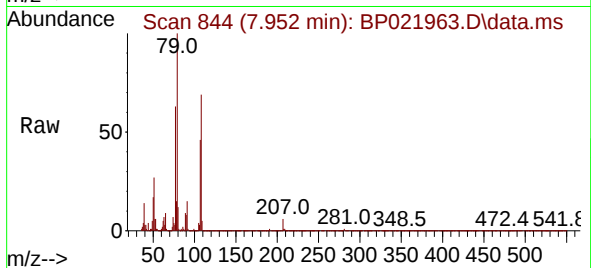




#15
Benzyl Alcohol
Concen: 4.570 ng
RT: 7.952 min Scan# 844
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

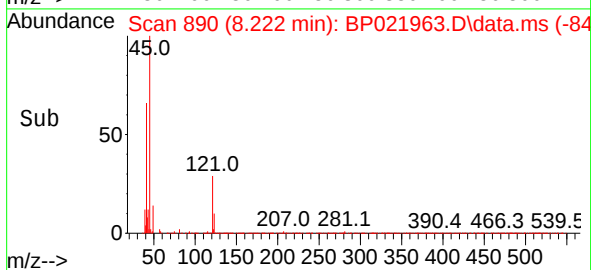
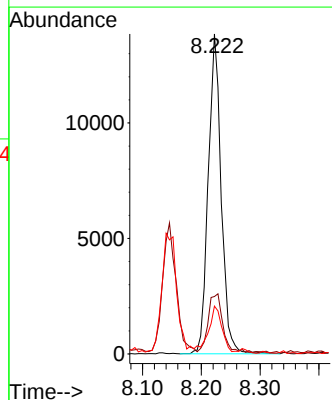
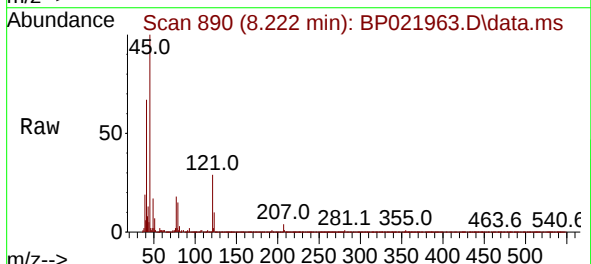
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

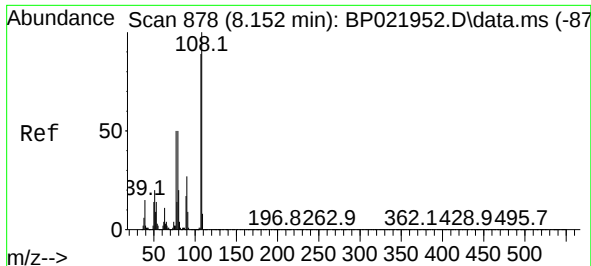
Tgt Ion: 79 Resp: 18191
Ion Ratio Lower Upper
79 100
108 68.9 54.7 82.1
77 62.5 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.135 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 45 Resp: 21268
Ion Ratio Lower Upper
45 100
77 17.9 0.0 39.5
79 14.9 0.0 34.9

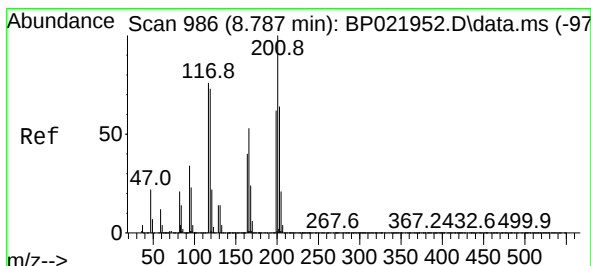
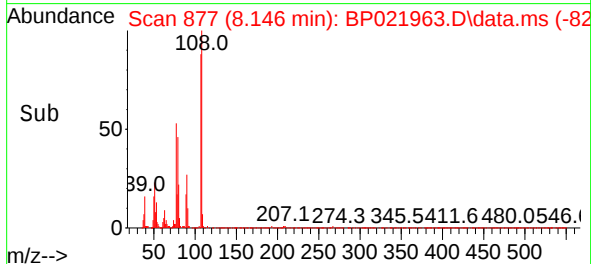
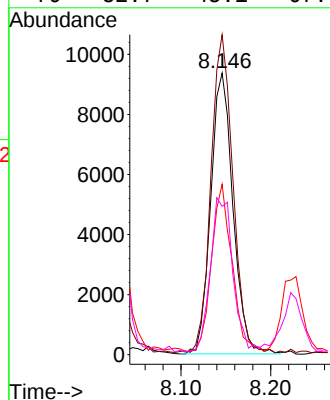
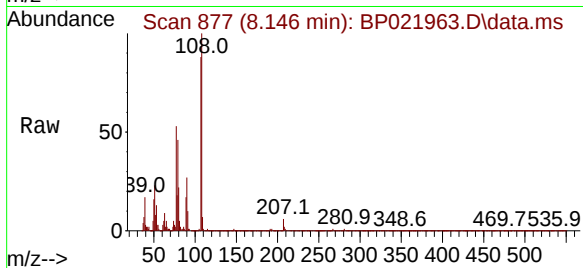




#17
2-Methylphenol
Concen: 4.632 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

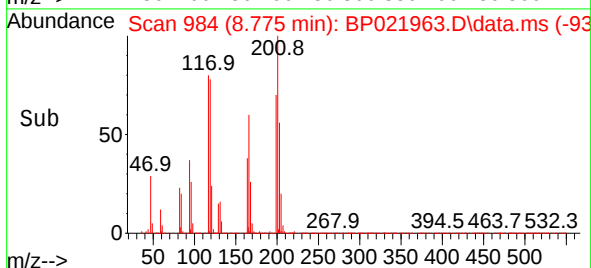
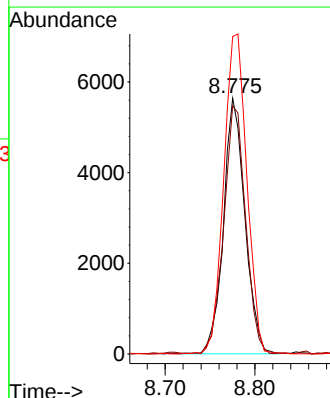
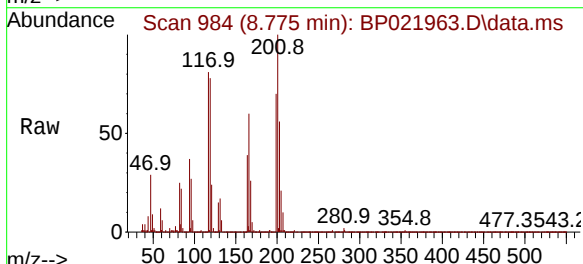
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

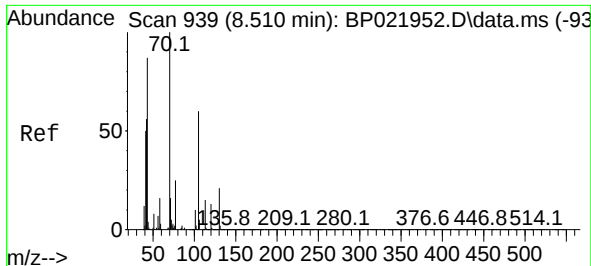
Tgt Ion:	107	Resp:	16130
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.3	135.5
77	60.5	45.1	67.7
79	52.7	45.1	67.7



#18
Hexachloroethane
Concen: 4.644 ng
RT: 8.775 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	117	Resp:	9346
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.4
201	126.6	105.6	158.4

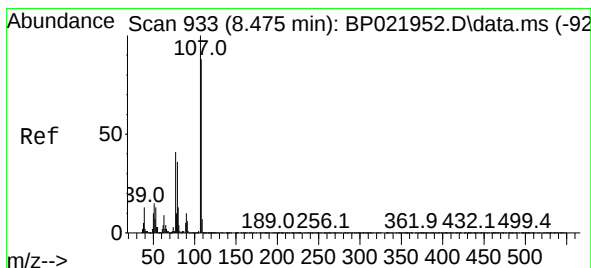
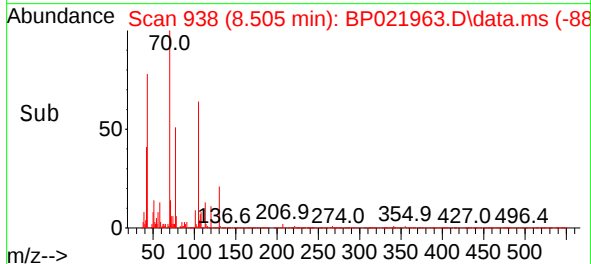
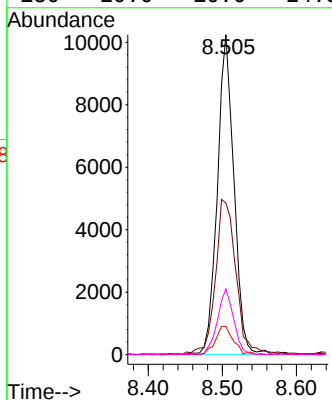
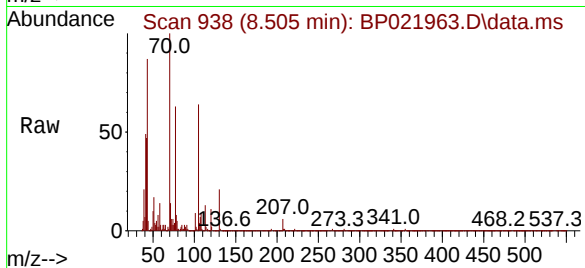




#19
n-Nitroso-di-n-propylamine
Concen: 4.933 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

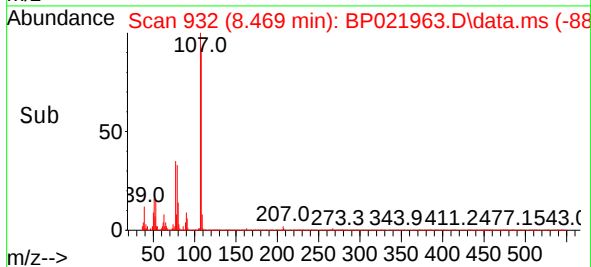
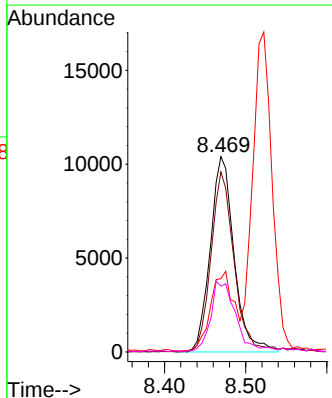
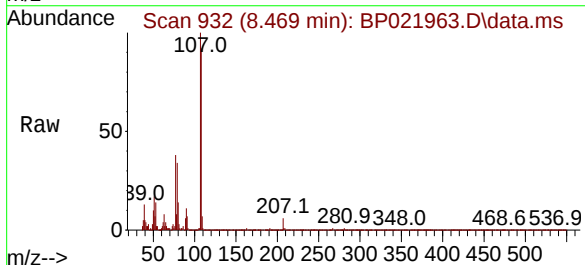
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

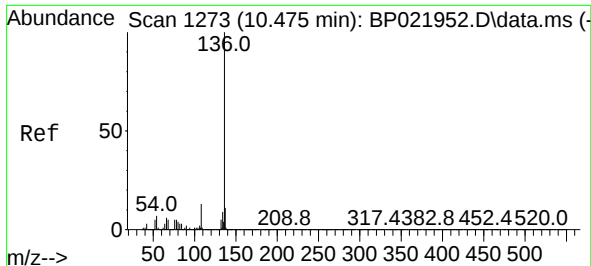
Tgt Ion: 70	Resp: 15913
Ion Ratio	Lower Upper
70 100	
42 47.4	45.2 67.8
101 8.8	7.8 11.6
130 20.6	16.6 24.8



#20
3+4-Methylphenols
Concen: 4.316 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt	Ion:107	Resp:	21218
Ion	Ratio	Lower	Upper
107	100		
108	92.1	68.3	108.3
77	37.5	20.6	60.6
79	33.7	15.8	55.8

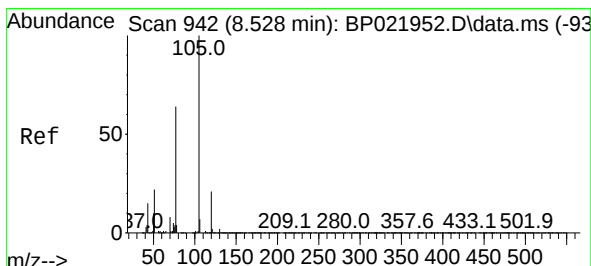
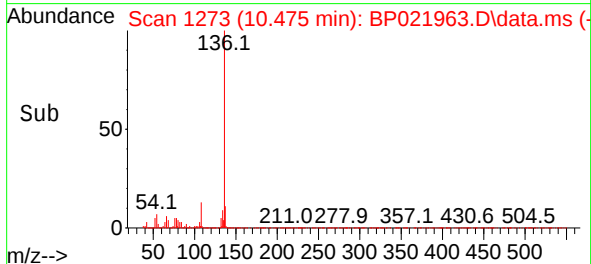
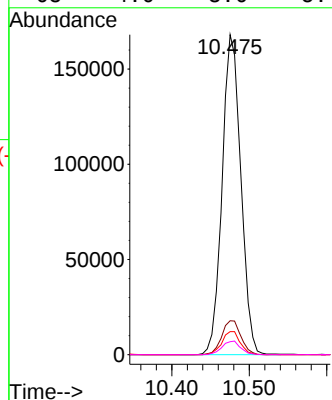
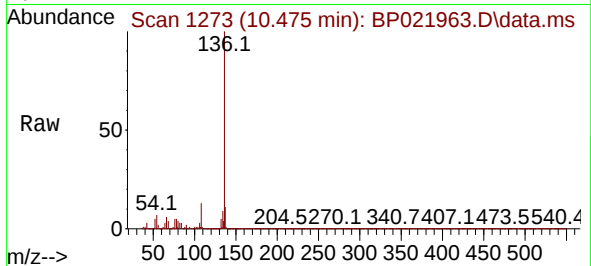




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

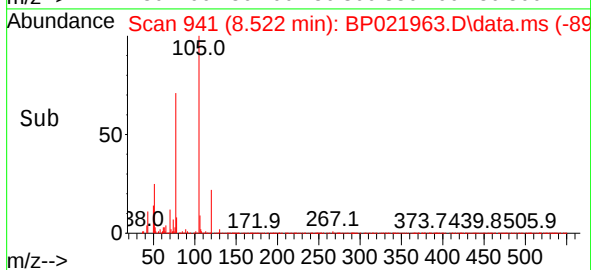
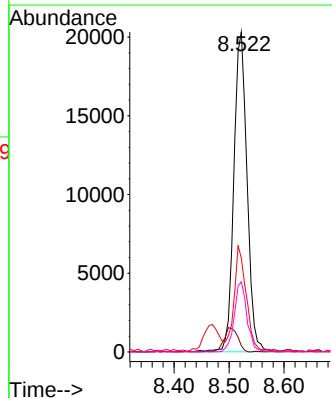
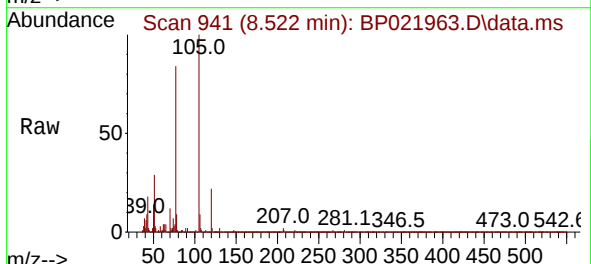
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

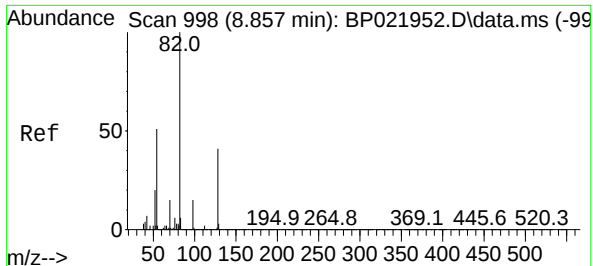
Tgt Ion:	136	Resp:	282360
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	7.2	5.5	8.3
68	4.0	3.6	5.4



#22
Acetophenone
Concen: 4.936 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	105	Resp:	34001
Ion Ratio	Lower	Upper	
105	100		
71	1.9	1.4	2.0
51	29.3	22.1	33.1
120	21.9	16.8	25.2





#23

Nitrobenzene-d5

Concen: 85.480 ng

RT: 8.852 min Scan# 998

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

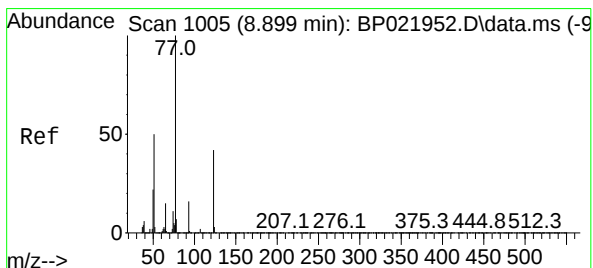
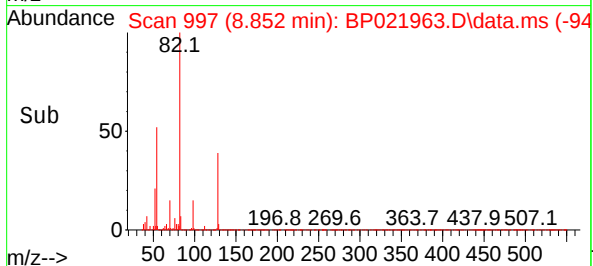
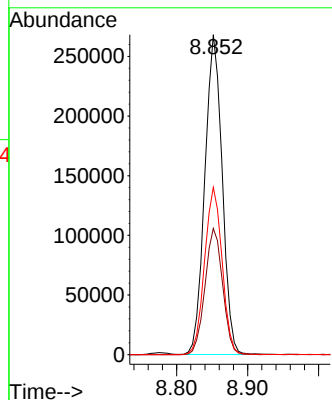
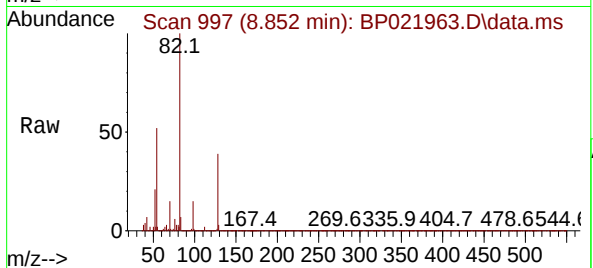
Tgt Ion: 82 Resp: 456145

Ion Ratio Lower Upper

82 100

128 39.5 33.1 49.7

54 52.3 40.3 60.5



#24

Nitrobenzene

Concen: 4.611 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

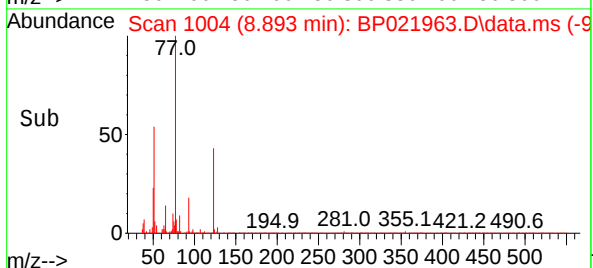
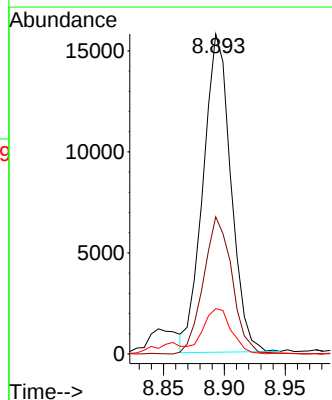
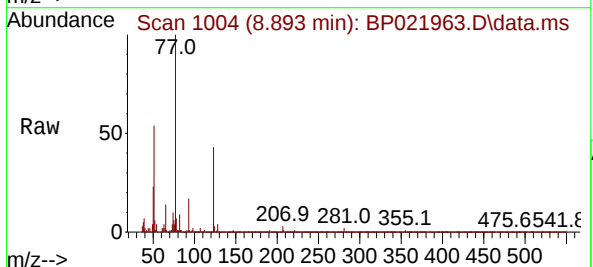
Tgt Ion: 77 Resp: 24987

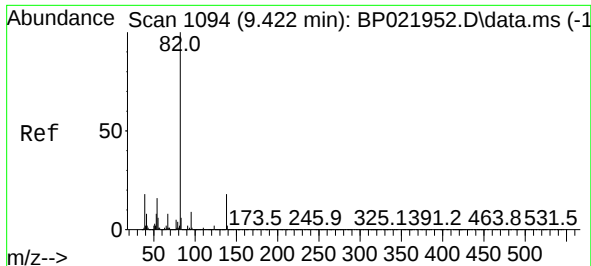
Ion Ratio Lower Upper

77 100

123 42.9 33.9 50.9

65 14.2 12.0 18.0





#25

Isophorone

Concen: 4.686 ng

RT: 9.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

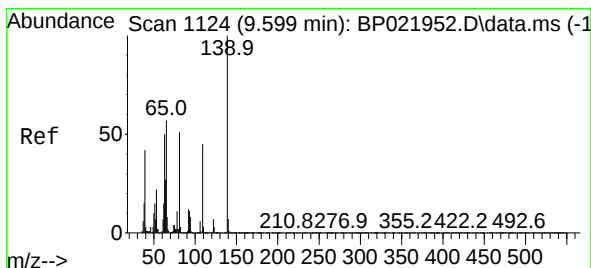
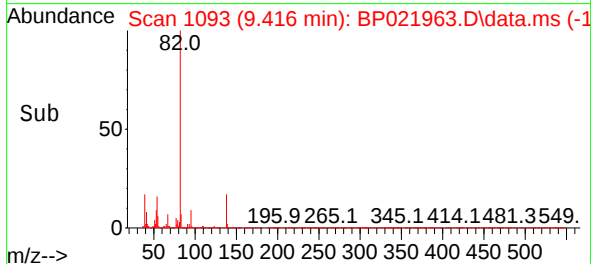
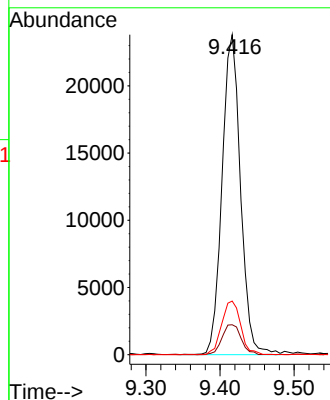
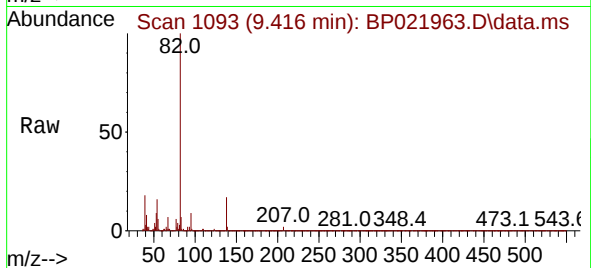
Tgt Ion: 82 Resp: 41227

Ion Ratio Lower Upper

82 100

95 9.3 7.0 10.6

138 16.8 14.6 21.8



#26

2-Nitrophenol

Concen: 4.068 ng

RT: 9.599 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

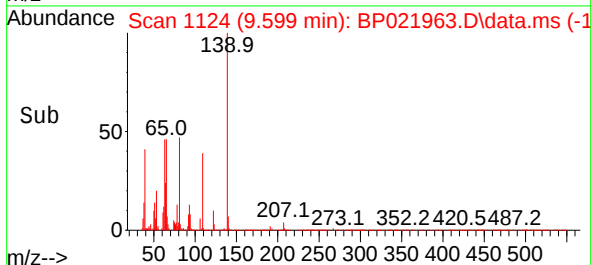
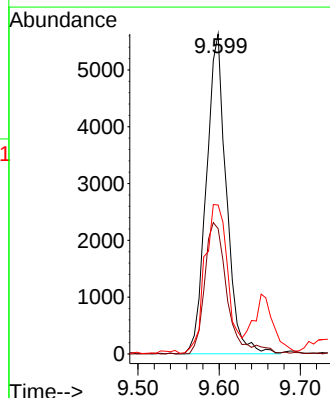
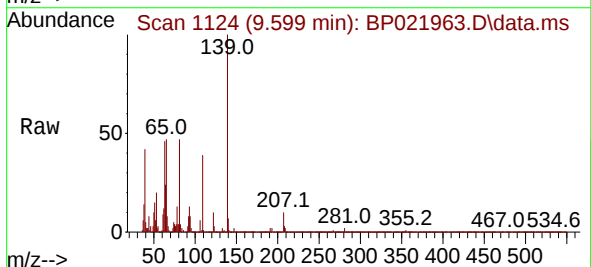
Tgt Ion:139 Resp: 9640

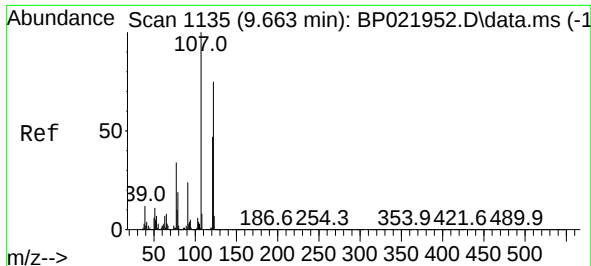
Ion Ratio Lower Upper

139 100

109 39.2 36.0 54.0

65 46.5 45.7 68.5

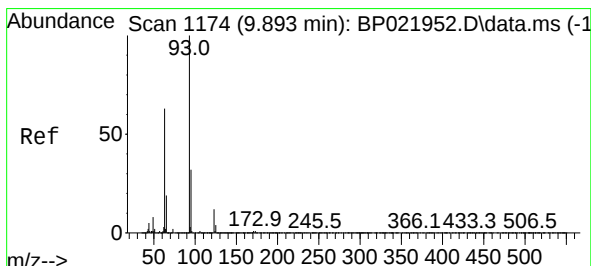
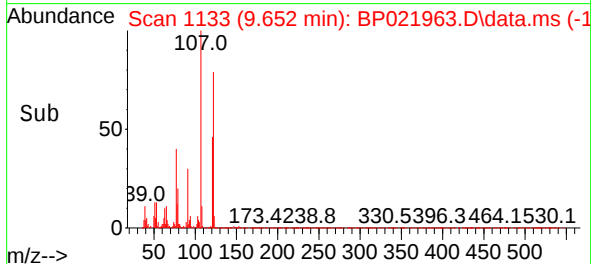
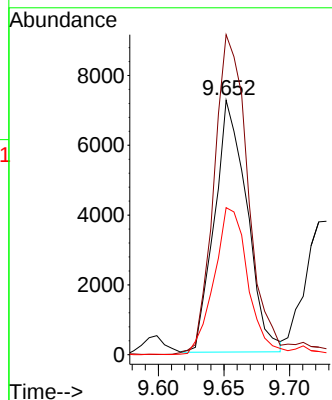
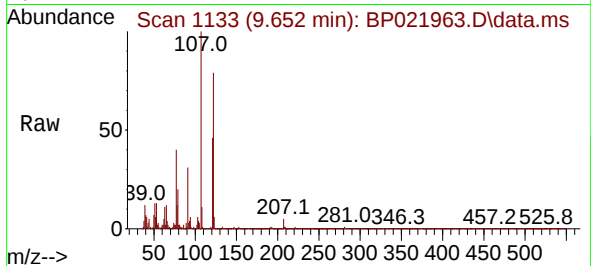




#27
2,4-Dimethylphenol
Concen: 4.521 ng
RT: 9.652 min Scan# 1133
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

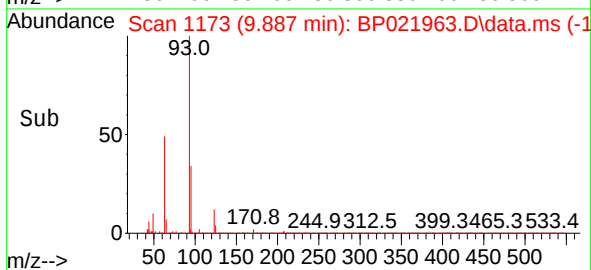
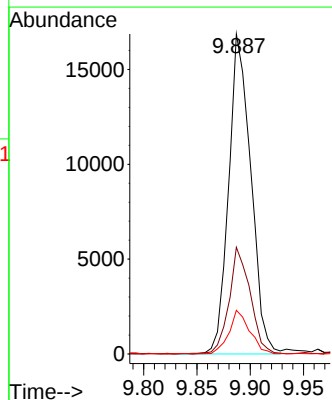
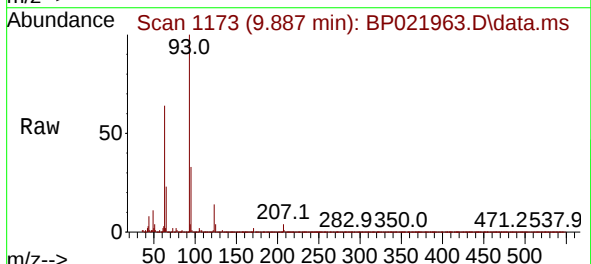
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

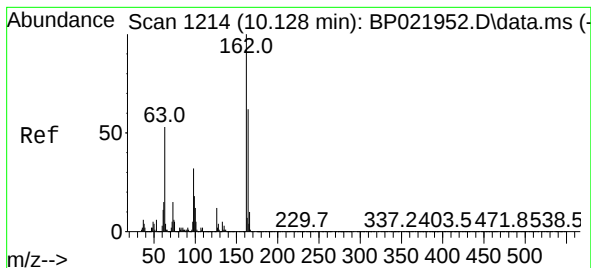
Tgt Ion:122 Resp: 12404
Ion Ratio Lower Upper
122 100
107 125.8 106.1 159.1
121 57.8 49.6 74.4



#28
bis(2-Chloroethoxy)methane
Concen: 4.638 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 93 Resp: 24467
Ion Ratio Lower Upper
93 100
95 33.4 25.7 38.5
123 13.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.285 ng

RT: 10.128 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

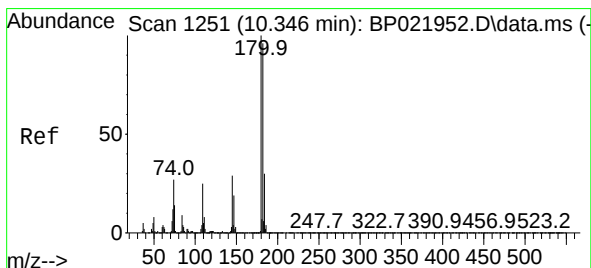
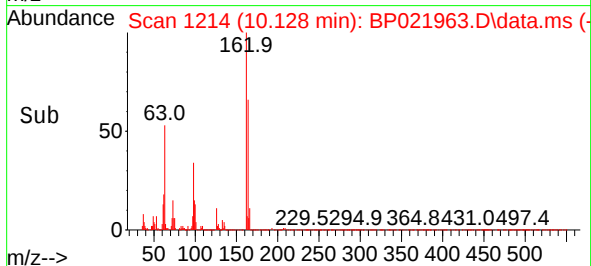
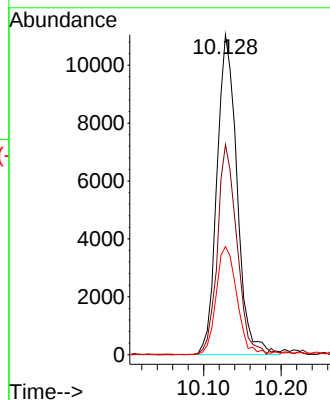
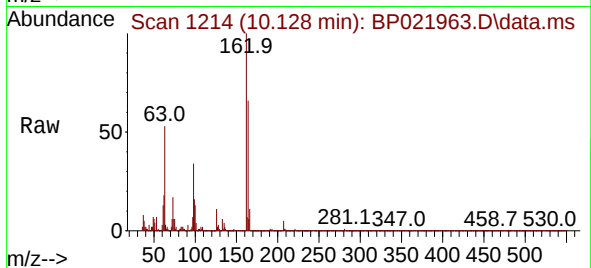
Tgt Ion:162 Resp: 19953

Ion Ratio Lower Upper

162 100

164 65.7 41.7 81.7

98 33.7 12.4 52.4



#30

1,2,4-Trichlorobenzene

Concen: 4.667 ng

RT: 10.340 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

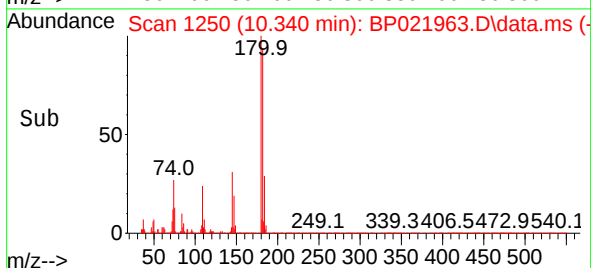
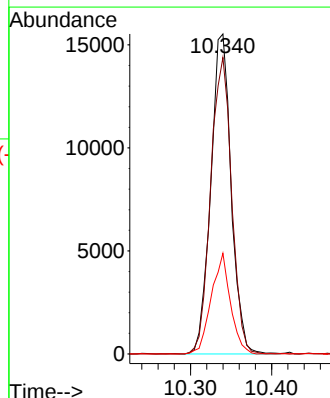
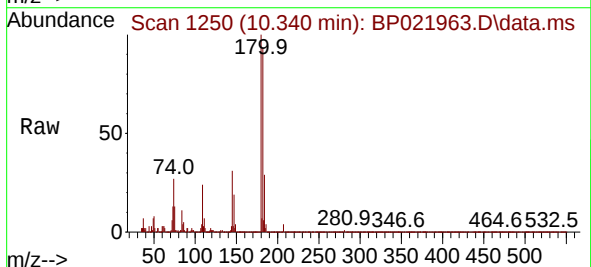
Tgt Ion:180 Resp: 27073

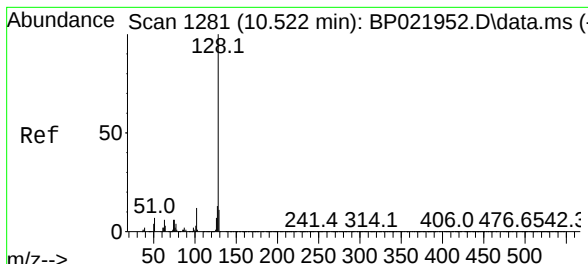
Ion Ratio Lower Upper

180 100

182 92.7 77.0 115.4

145 31.4 23.0 34.6

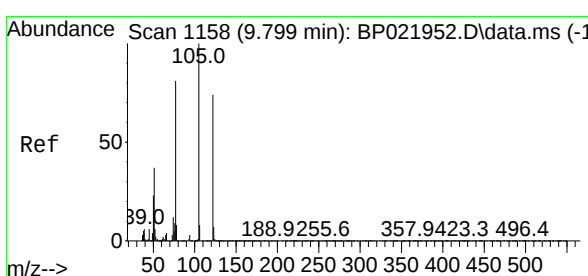
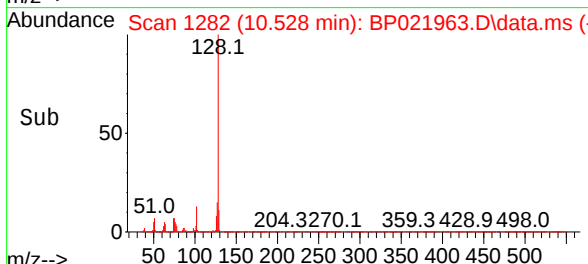
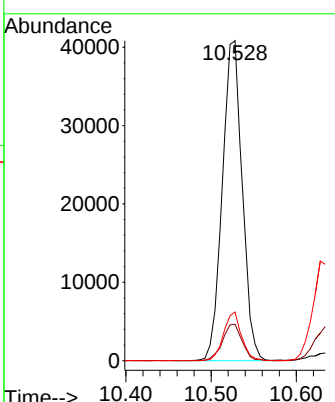
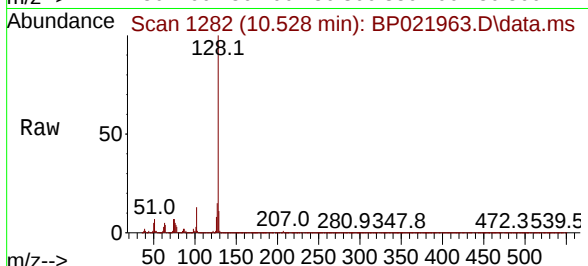




#31
Naphthalene
Concen: 4.711 ng
RT: 10.528 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

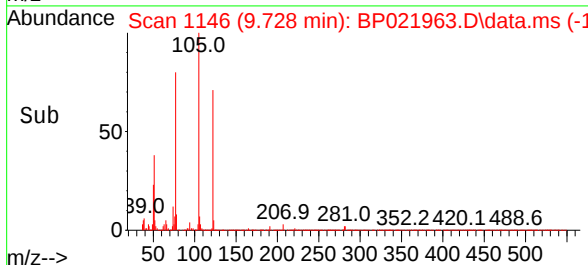
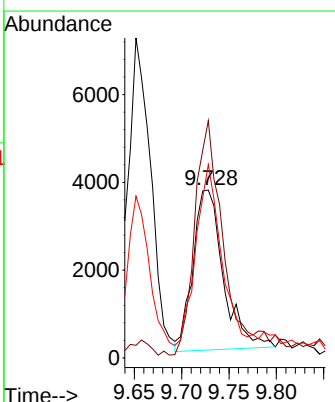
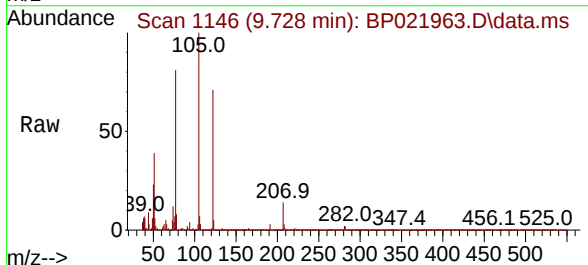
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

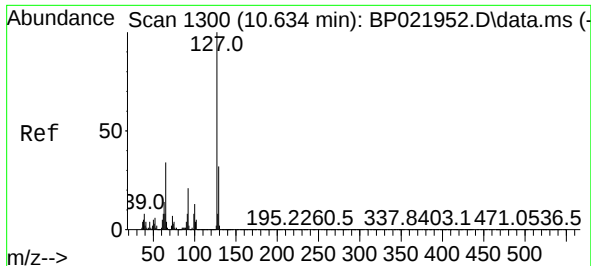
Tgt Ion:	128	Resp:	66378
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	13.0
127	15.2	10.6	15.8



#32
Benzoic acid
Concen: 2.552 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.070 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	122	Resp:	8187
Ion Ratio	Lower	Upper	
122	100		
105	141.3	111.3	151.3
77	115.1	86.7	126.7





#33

4-Chloroaniline

Concen: 4.958 ng

RT: 10.628 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 25199

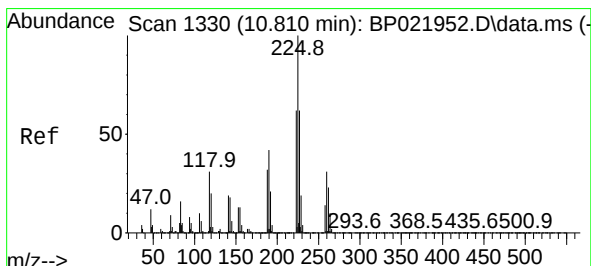
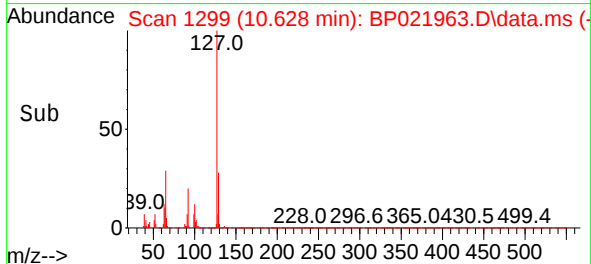
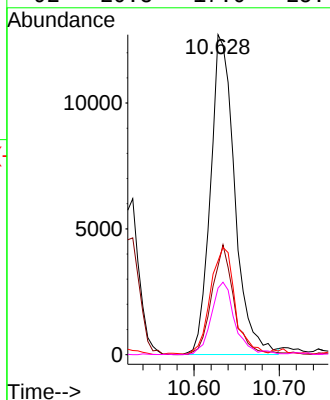
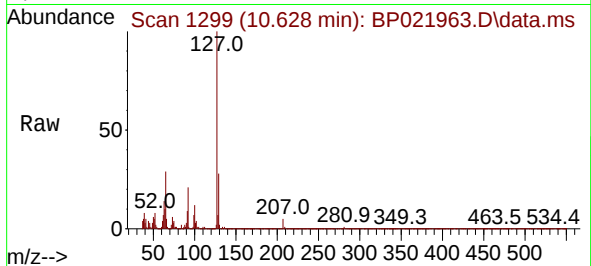
Ion Ratio Lower Upper

127 100

129 27.7 25.4 38.0

65 29.3 27.4 41.2

92 20.8 17.0 25.4



#34

Hexachlorobutadiene

Concen: 4.532 ng

RT: 10.810 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

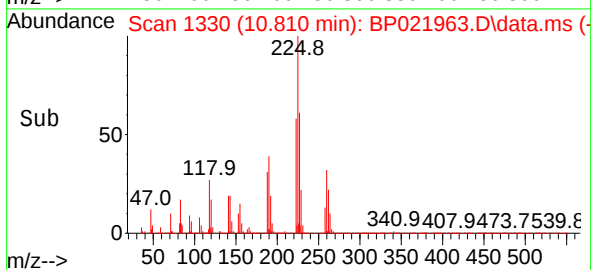
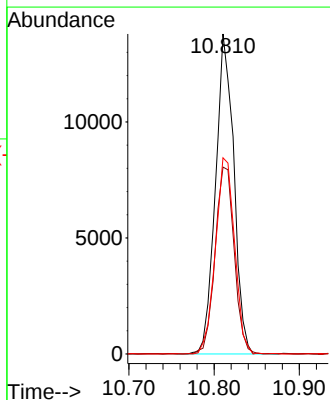
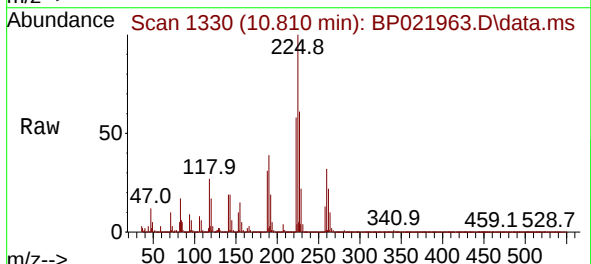
Tgt Ion:225 Resp: 20567

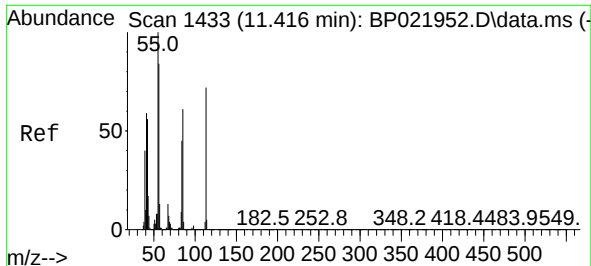
Ion Ratio Lower Upper

225 100

223 62.0 50.0 75.0

227 64.9 49.7 74.5

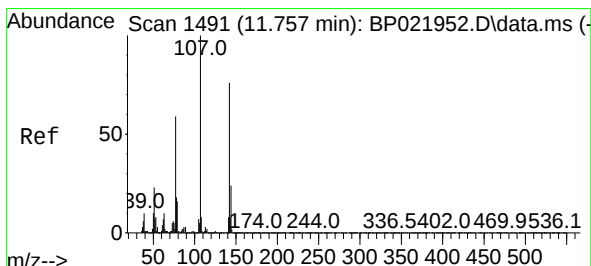
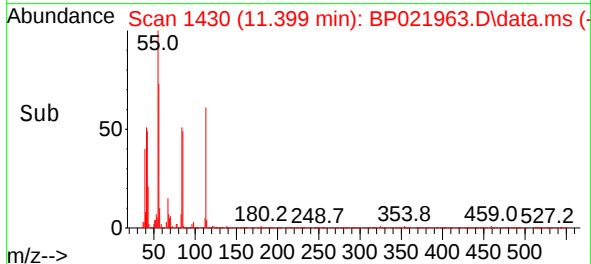
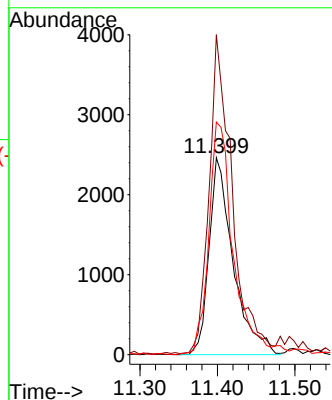
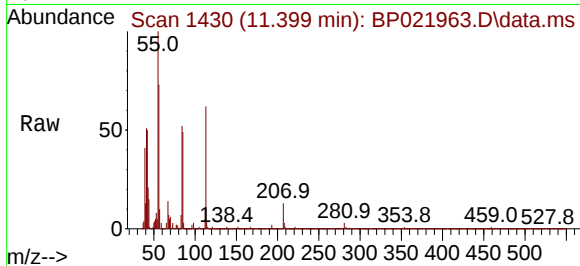




#35
Caprolactam
Concen: 3.852 ng
RT: 11.399 min Scan# 1433
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

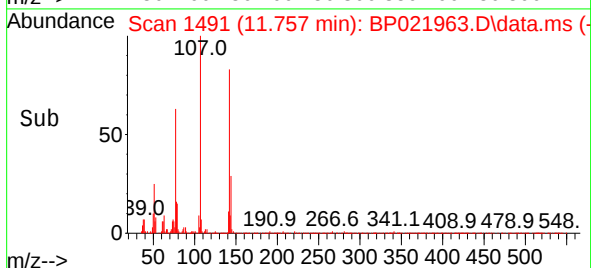
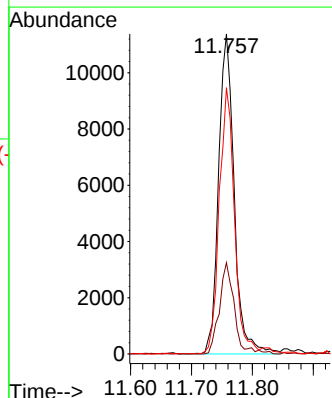
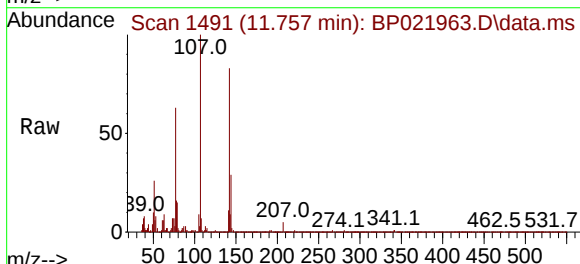
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

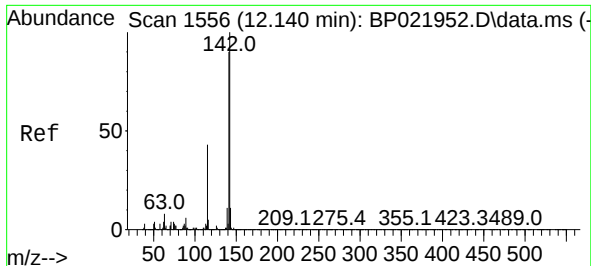
Tgt Ion:113 Resp: 5338
Ion Ratio Lower Upper
113 100
55 162.5 119.4 159.4#
56 118.2 97.1 137.1



#36
4-Chloro-3-methylphenol
Concen: 4.051 ng
RT: 11.757 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:107 Resp: 20240
Ion Ratio Lower Upper
107 100
144 28.5 19.0 28.4#
142 83.2 60.4 90.6

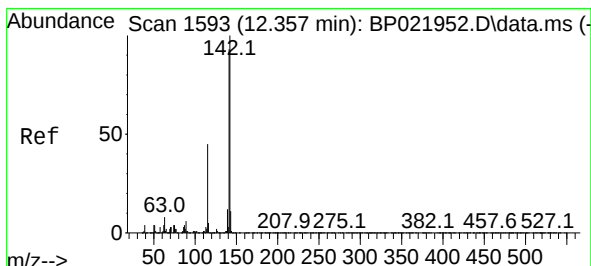
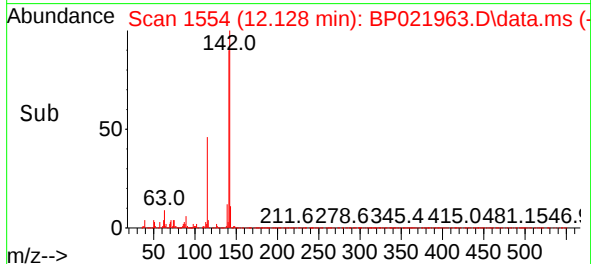
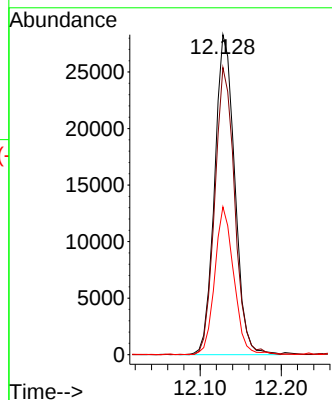
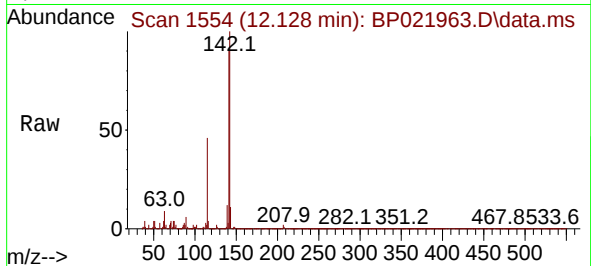




#37
2-Methylnaphthalene
Concen: 4.731 ng
RT: 12.128 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

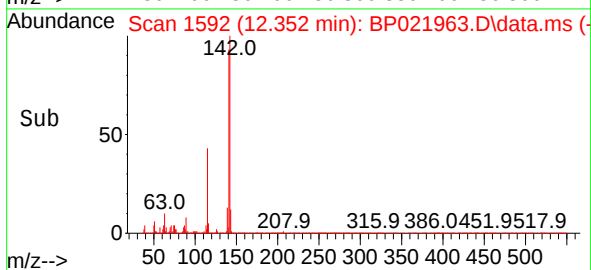
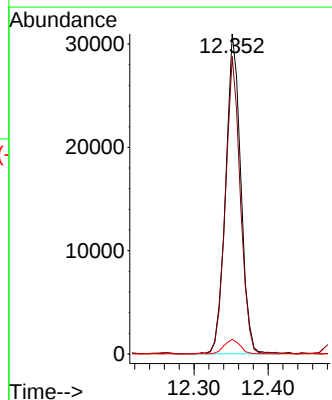
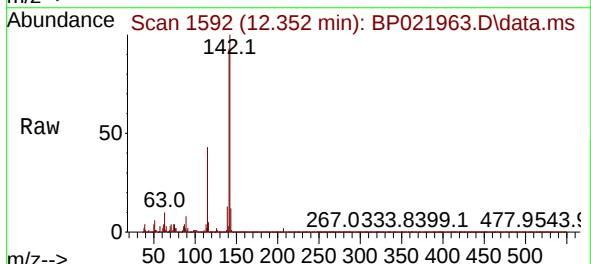
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

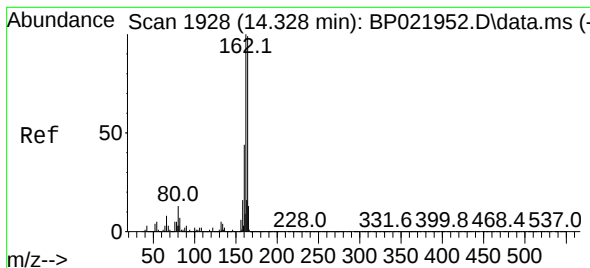
Tgt Ion:142 Resp: 48768
Ion Ratio Lower Upper
142 100
141 89.8 71.7 107.5
115 46.2 34.6 51.8



#38
1-Methylnaphthalene
Concen: 4.309 ng
RT: 12.352 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:142 Resp: 43855
Ion Ratio Lower Upper
142 100
141 93.0 74.1 111.1
116 4.5 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.322 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

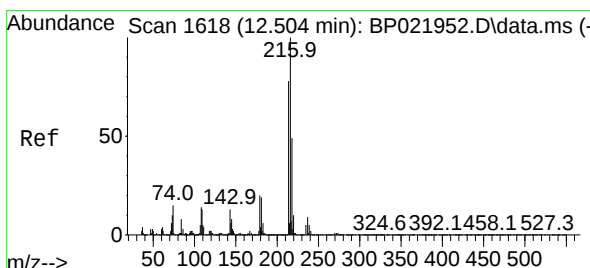
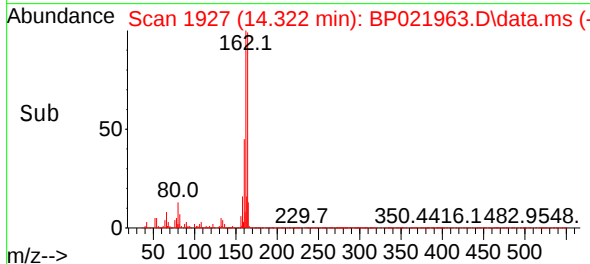
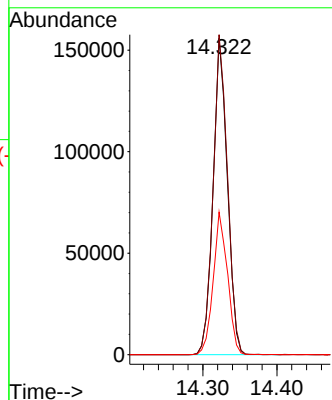
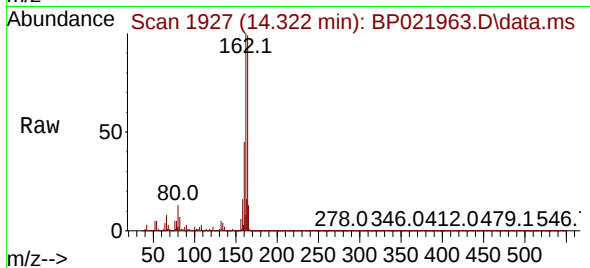
Tgt Ion:164 Resp: 208918

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

160 45.0 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.719 ng

RT: 12.504 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:216 Resp: 34491

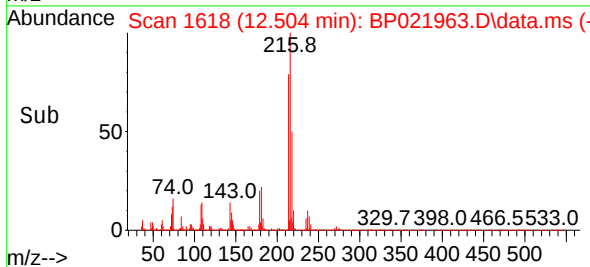
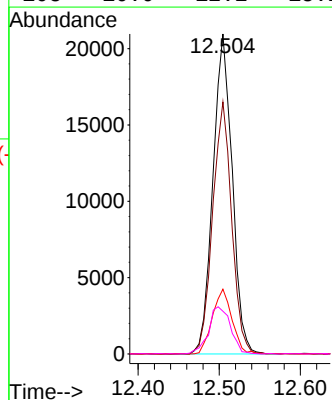
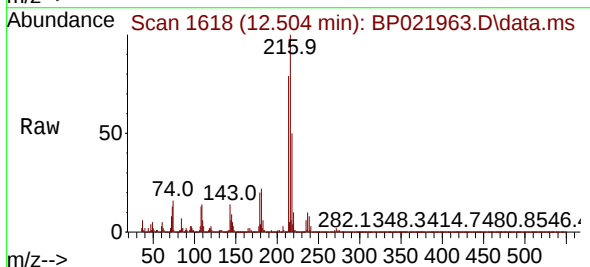
Ion Ratio Lower Upper

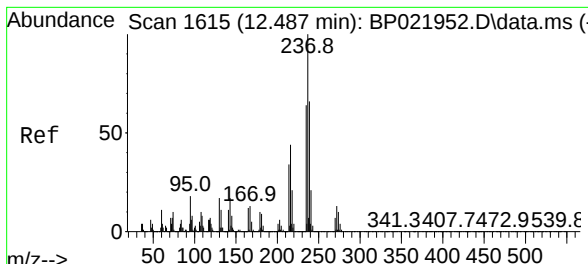
216 100

214 78.0 62.8 94.2

179 20.6 16.4 24.6

108 16.9 12.2 18.2

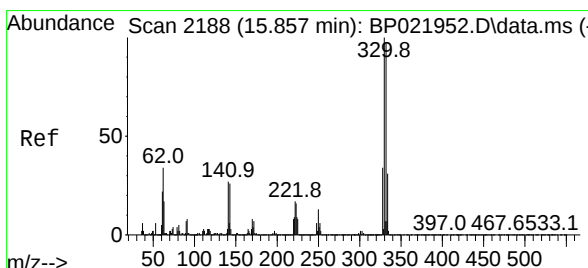
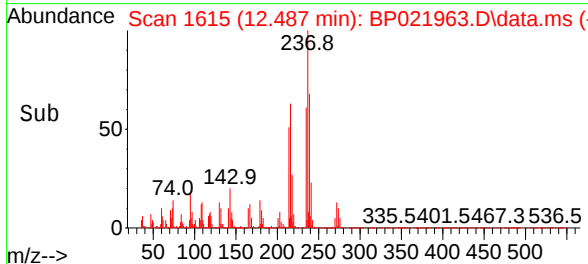
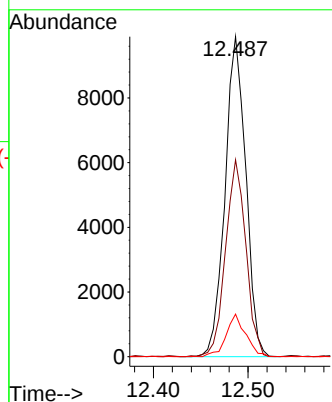
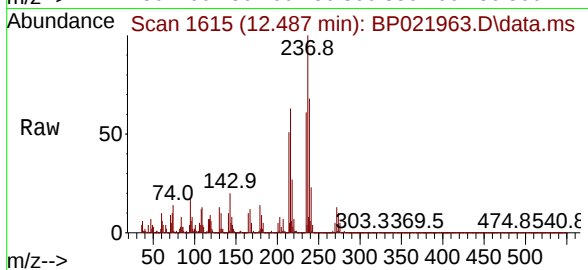




#41
Hexachlorocyclopentadiene
Concen: 5.556 ng
RT: 12.487 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

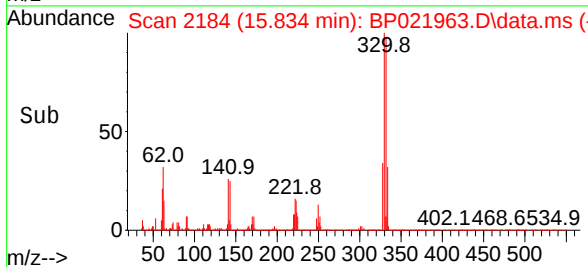
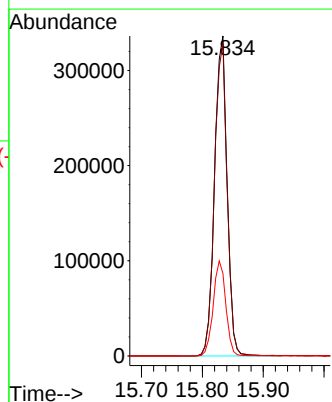
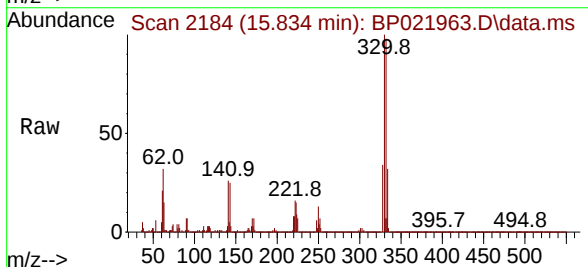
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

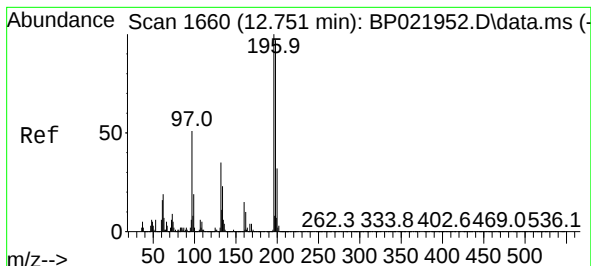
Tgt Ion:	237	Resp:	15090
Ion Ratio	Lower	Upper	
237	100		
235	61.5	44.1	84.1
272	13.3	0.0	33.1



#42
2,4,6-Tribromophenol
Concen: 124.701 ng
RT: 15.834 min Scan# 2184
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	330	Resp:	482980
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.5	116.3
141	29.7	23.4	35.0





#43

2,4,6-Trichlorophenol

Concen: 4.102 ng

RT: 12.746 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

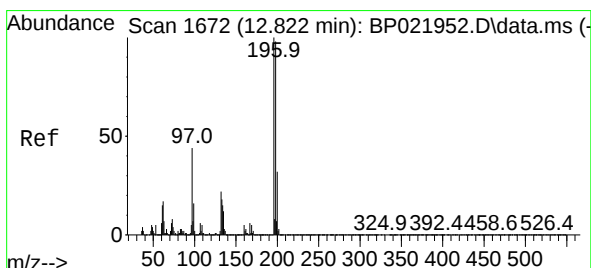
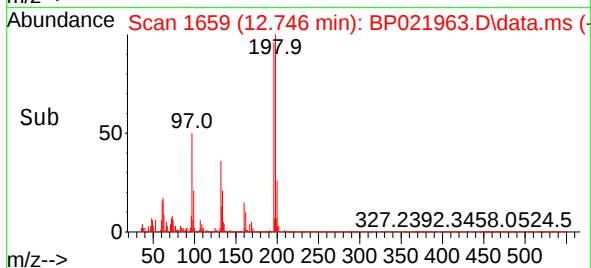
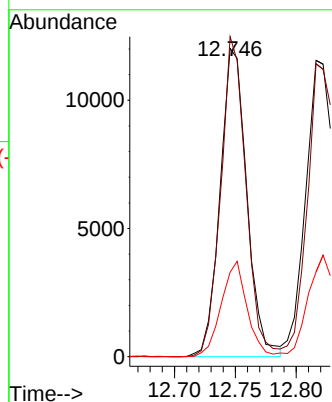
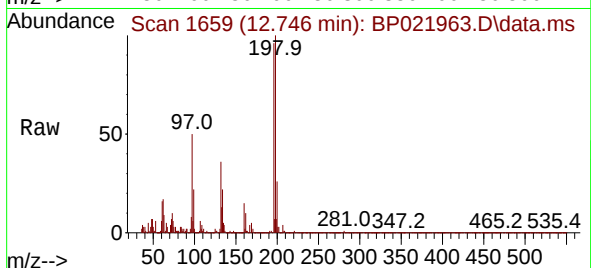
Tgt Ion:196 Resp: 18405

Ion Ratio Lower Upper

196 100

198 103.9 77.6 116.4

200 27.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 3.906 ng

RT: 12.816 min Scan# 1671

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:196 Resp: 19660

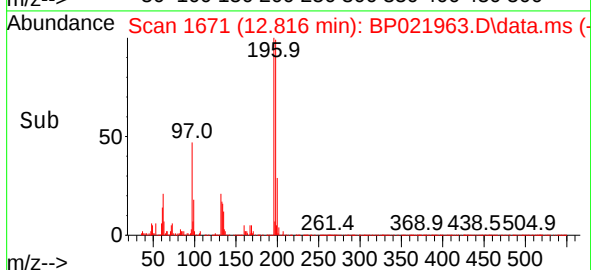
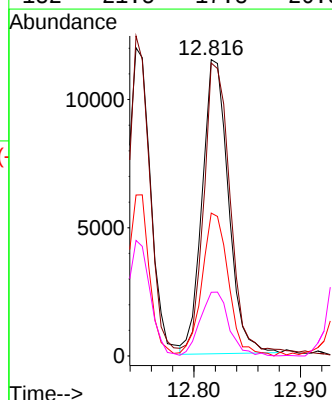
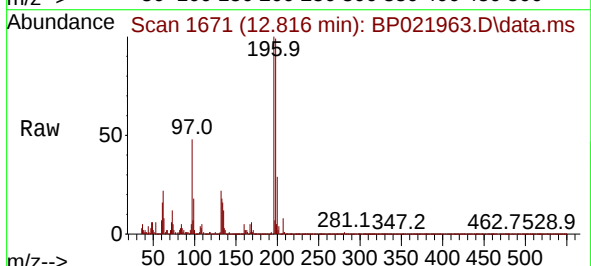
Ion Ratio Lower Upper

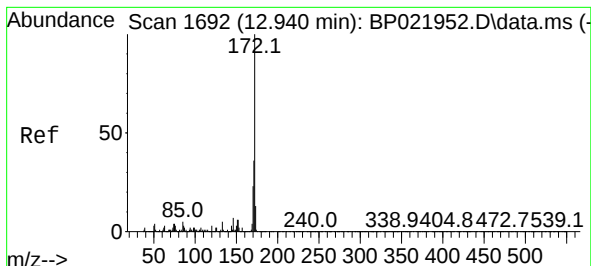
196 100

198 98.9 78.2 117.4

97 48.2 35.0 52.4

132 21.5 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 85.792 ng

RT: 12.934 min Scan# 1691

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

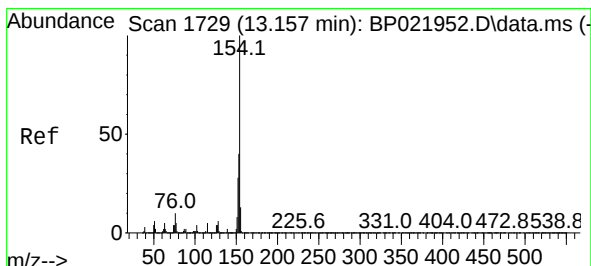
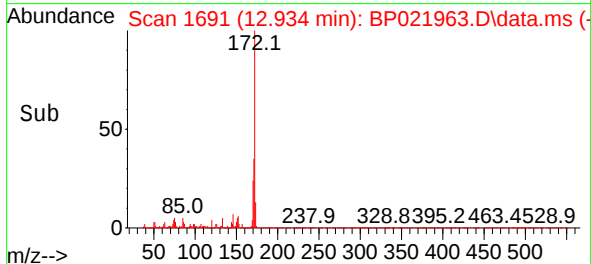
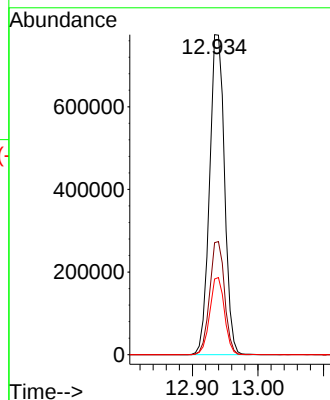
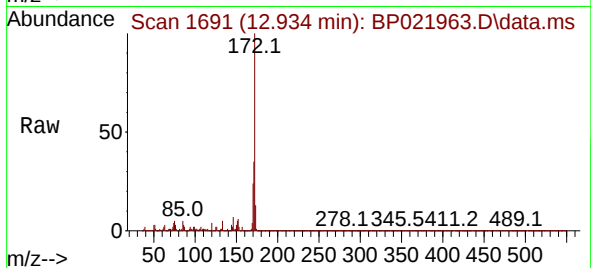
Tgt Ion:172 Resp: 1227826

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 5.178 ng

RT: 13.146 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

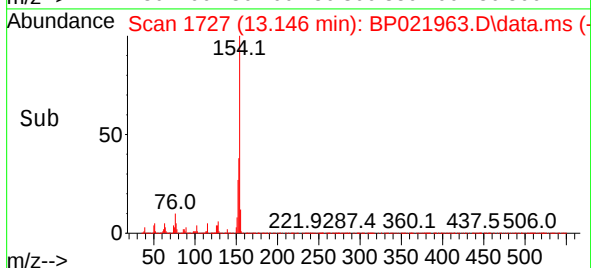
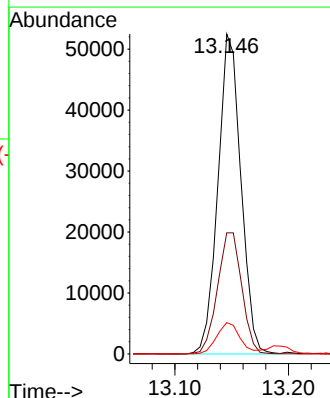
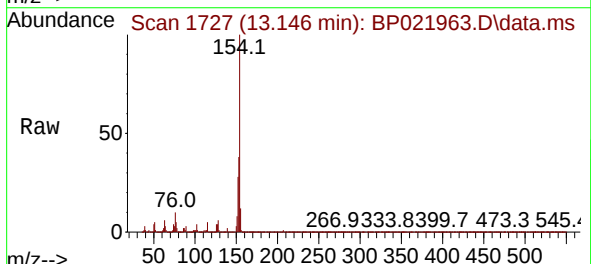
Tgt Ion:154 Resp: 73761

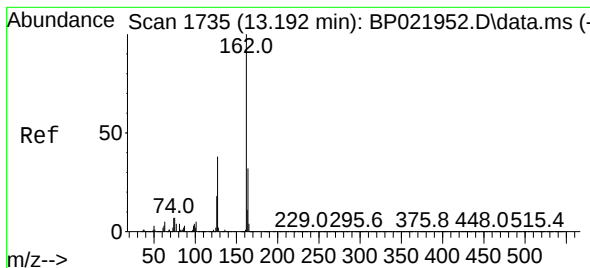
Ion Ratio Lower Upper

154 100

153 37.8 20.2 60.2

76 9.8 0.0 29.9





#47

2-Chloronaphthalene

Concen: 4.681 ng

RT: 13.193 min Scan# 1735

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

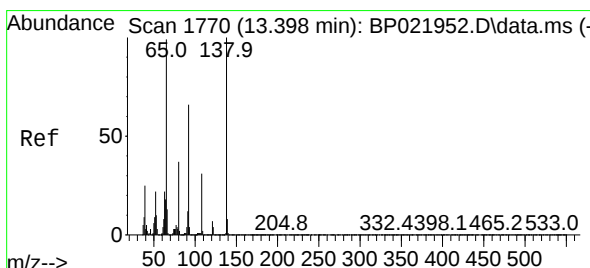
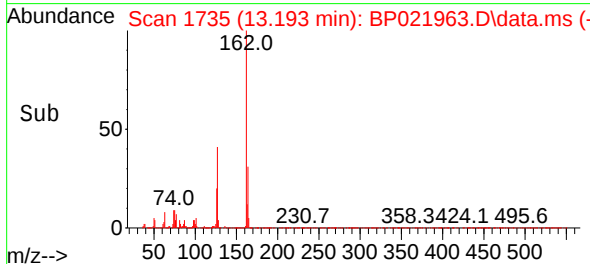
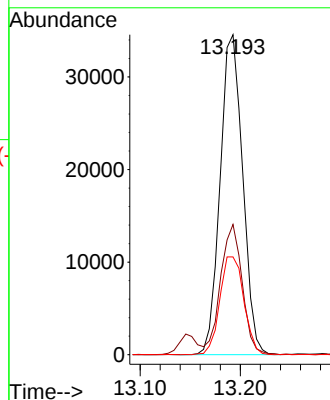
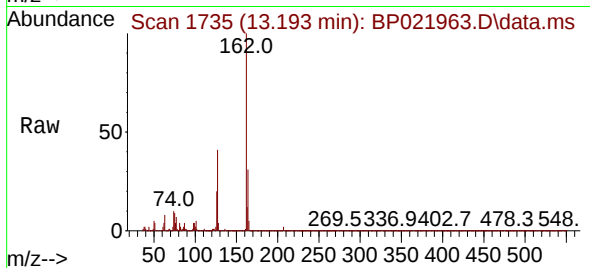
Tgt Ion:162 Resp: 53911

Ion Ratio Lower Upper

162 100

127 40.7 31.7 47.5

164 30.5 25.9 38.9



#48

2-Nitroaniline

Concen: 4.053 ng

RT: 13.393 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

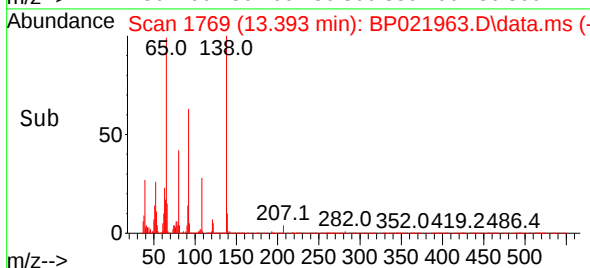
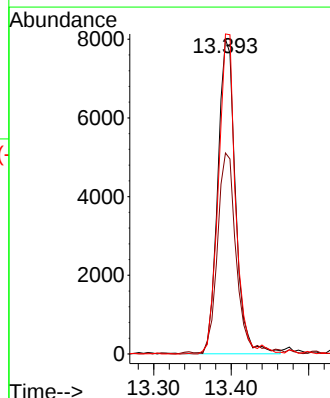
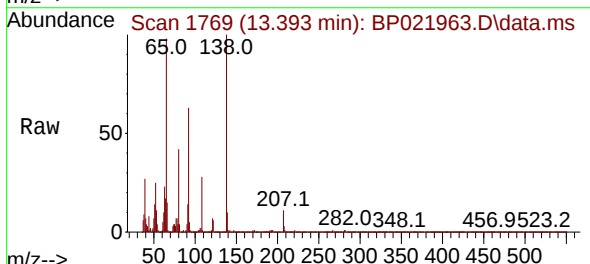
Tgt Ion: 65 Resp: 12748

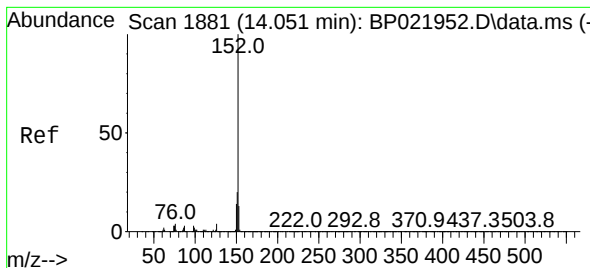
Ion Ratio Lower Upper

65 100

92 63.9 53.2 79.8

138 101.7 81.1 121.7





#49

Acenaphthylene

Concen: 4.885 ng

RT: 14.046 min Scan# 1880

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

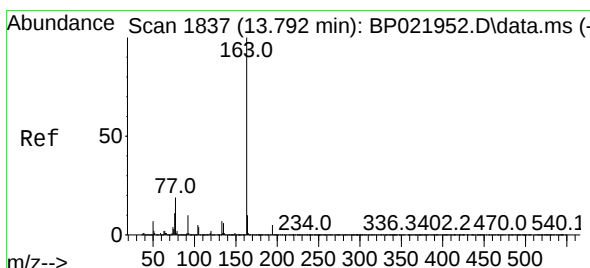
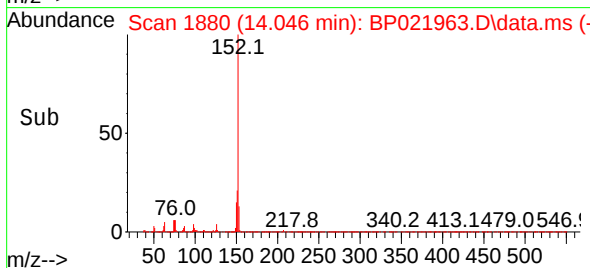
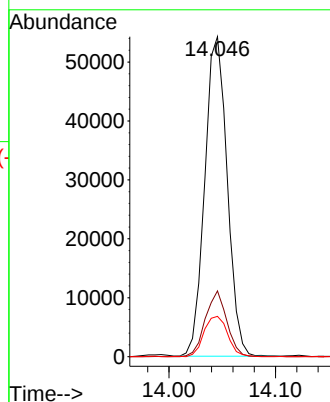
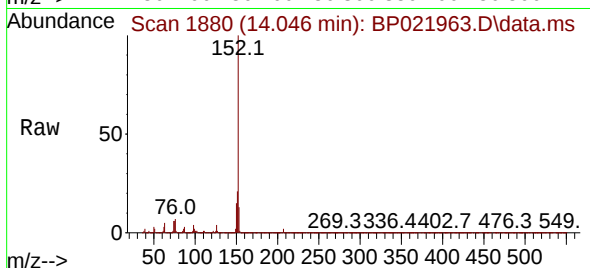
Tgt Ion:152 Resp: 79400

Ion Ratio Lower Upper

152 100

151 20.5 16.0 24.0

153 12.6 10.8 16.2



#50

Dimethylphthalate

Concen: 4.855 ng

RT: 13.775 min Scan# 1834

Delta R.T. -0.018 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

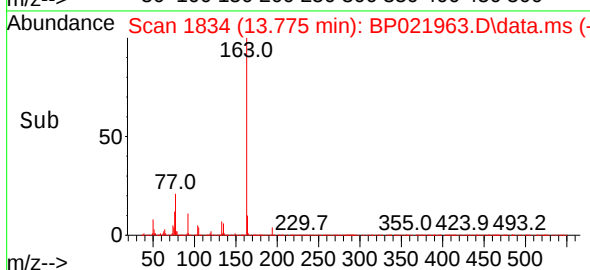
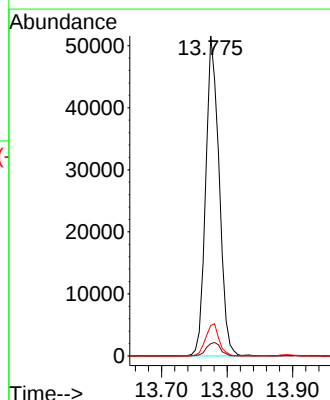
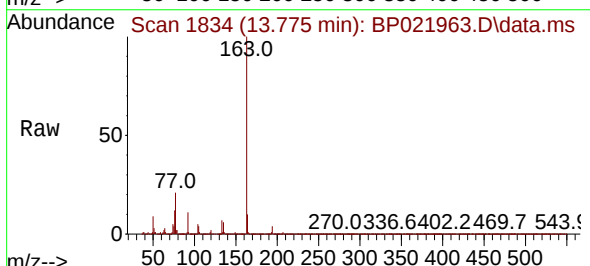
Tgt Ion:163 Resp: 73562

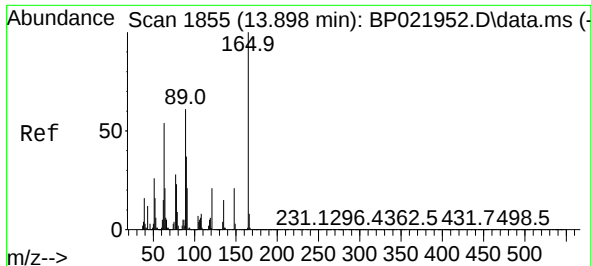
Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

164 9.6 8.0 12.0

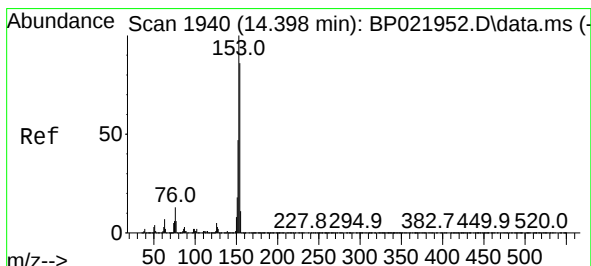
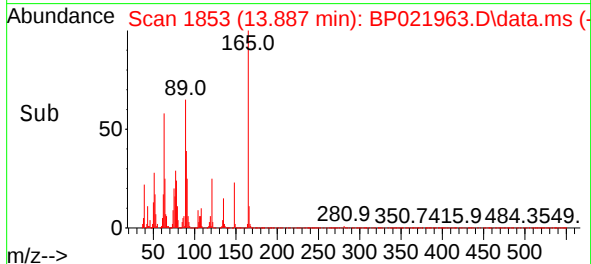
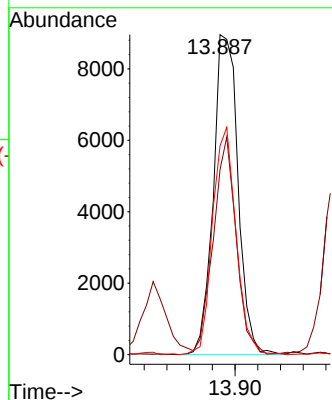
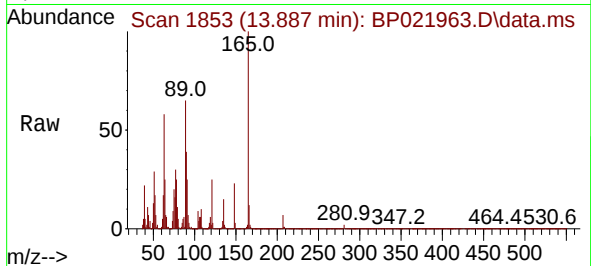




#51
2,6-Dinitrotoluene
Concen: 4.011 ng
RT: 13.887 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

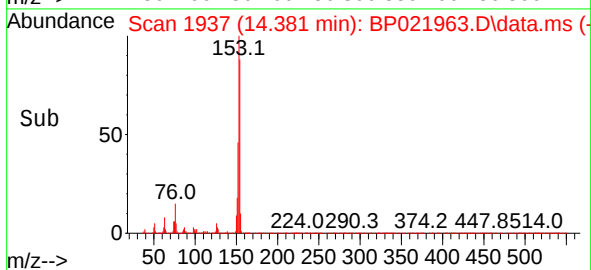
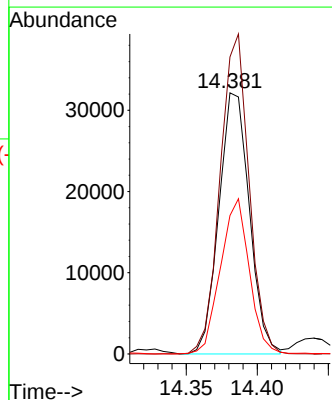
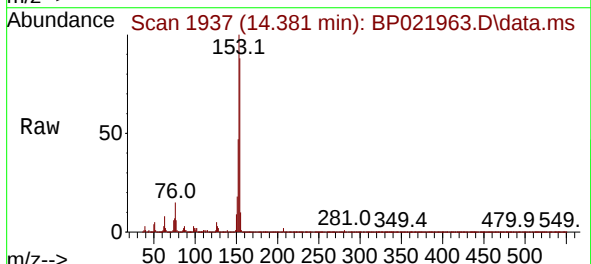
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

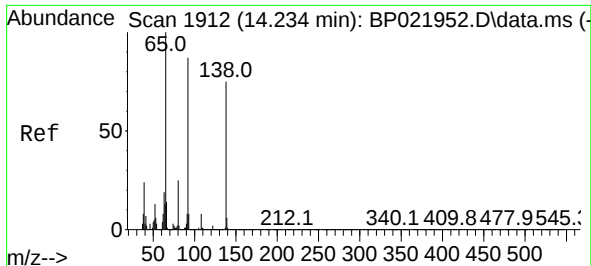
Tgt Ion:165 Resp: 13543
Ion Ratio Lower Upper
165 100
63 57.9 46.4 69.6
89 65.3 48.5 72.7



#52
Acenaphthene
Concen: 4.538 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.018 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:154 Resp: 48002
Ion Ratio Lower Upper
154 100
153 113.7 92.7 139.1
152 53.0 43.6 65.4

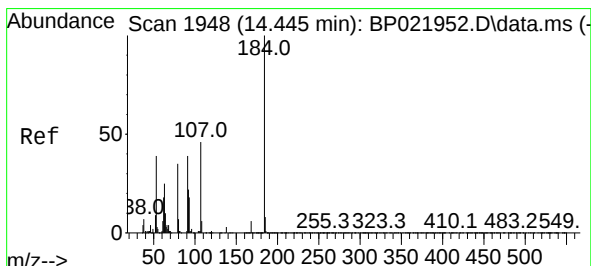
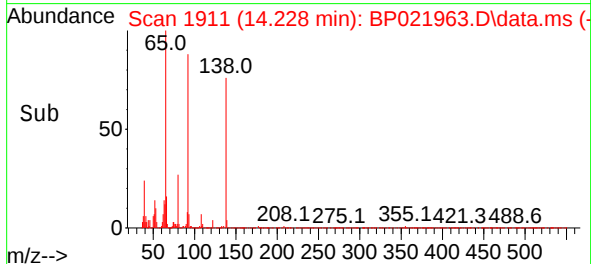
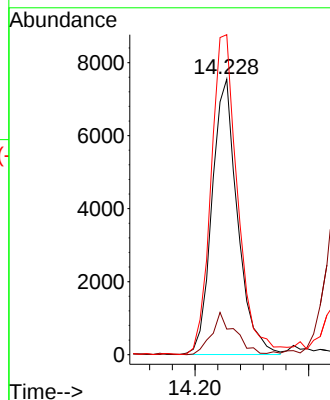
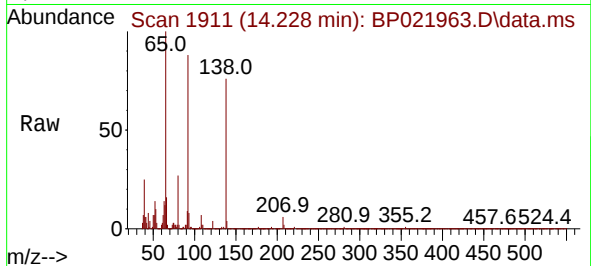




#53
 3-Nitroaniline
 Concen: 3.919 ng
 RT: 14.228 min Scan# 1911
 Delta R.T. -0.006 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

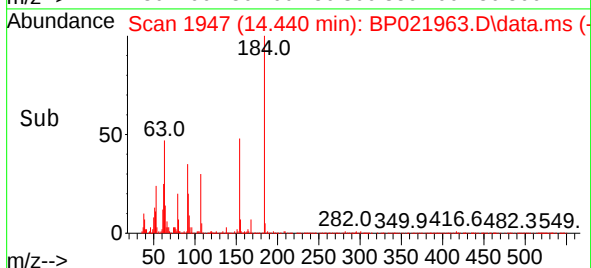
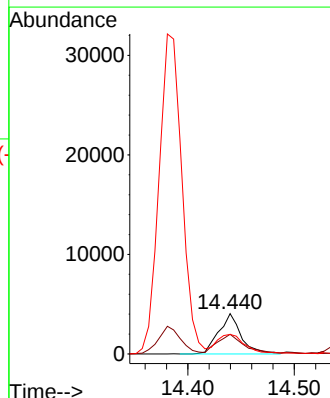
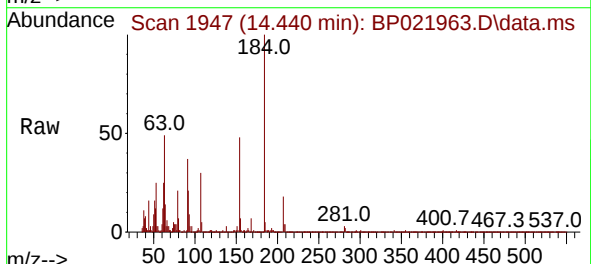
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2024

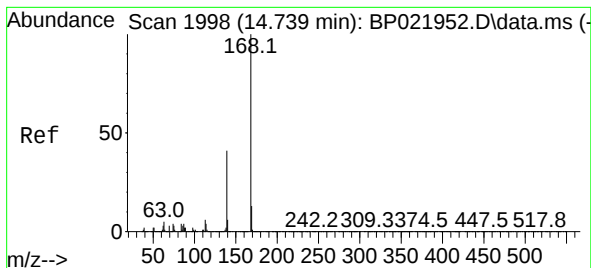
Tgt Ion:	138	Resp:	11794
Ion Ratio	Lower	Upper	
138	100		
108	9.3	9.0	13.4
92	116.1	92.8	139.2



#54
 2,4-Dinitrophenol
 Concen: 2.993 ng
 RT: 14.440 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Tgt Ion:	184	Resp:	5921
Ion Ratio	Lower	Upper	
184	100		
63	48.8	49.0	73.6#
154	48.3	58.1	87.1#





#55

Dibenzenofuran

Concen: 4.934 ng

RT: 14.722 min Scan# 1995

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

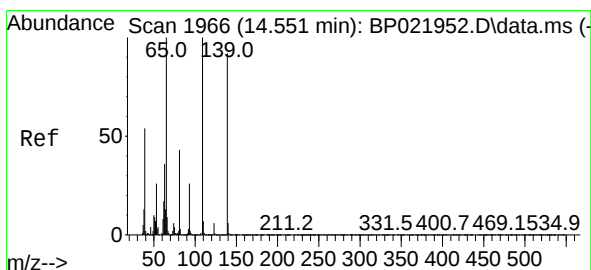
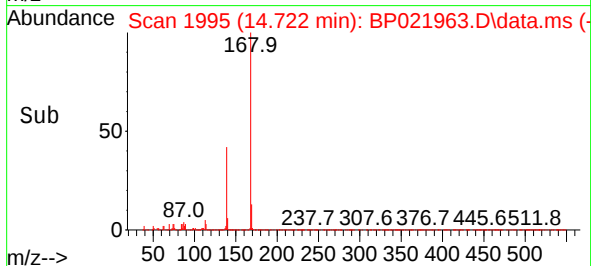
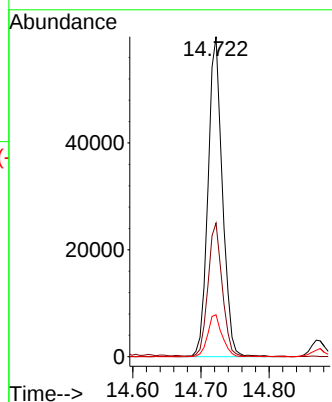
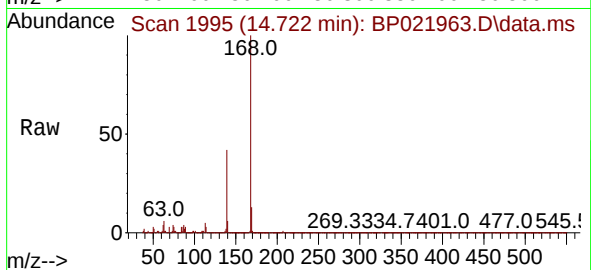
Tgt Ion:168 Resp: 87727

Ion Ratio Lower Upper

168 100

139 41.7 33.0 49.4

169 13.1 10.7 16.1



#56

4-Nitrophenol

Concen: 3.182 ng

RT: 14.551 min Scan# 1966

Delta R.T. 0.000 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

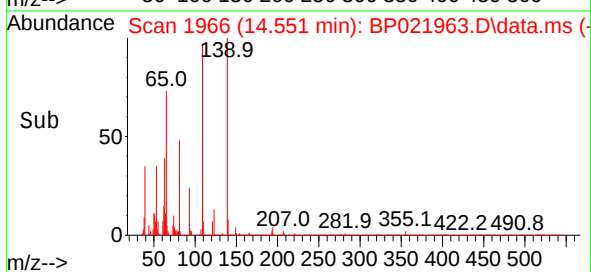
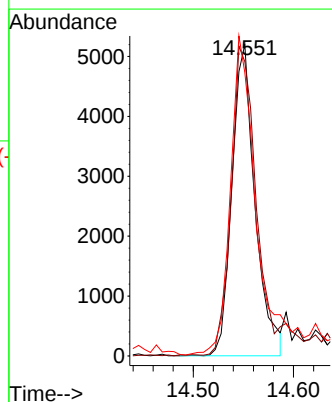
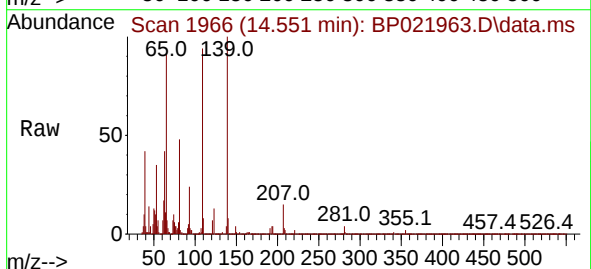
Tgt Ion:139 Resp: 8334

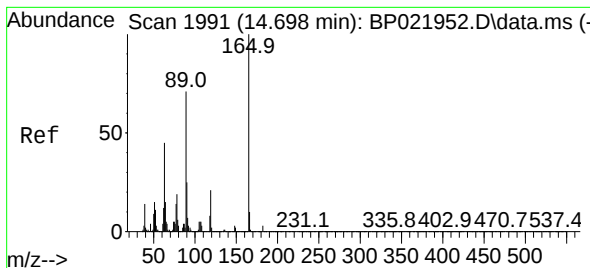
Ion Ratio Lower Upper

139 100

109 94.4 88.6 128.6

65 90.9 88.7 128.7





#57

2,4-Dinitrotoluene

Concen: 3.905 ng

RT: 14.687 min Scan# 1991

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 18641

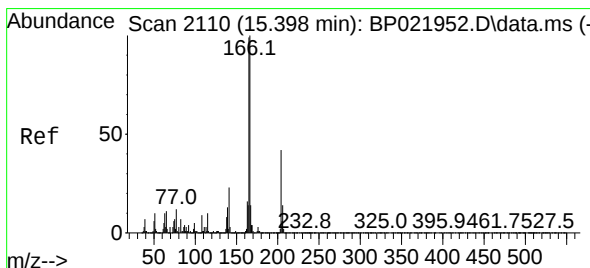
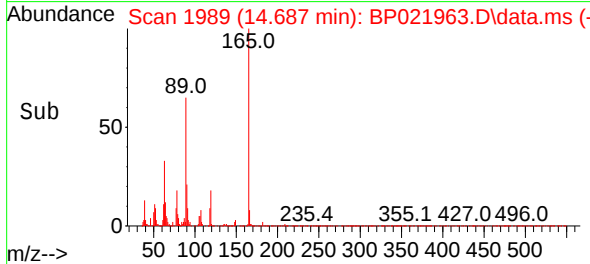
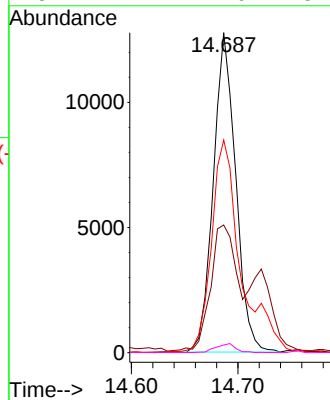
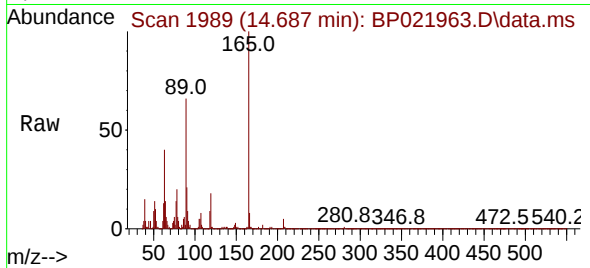
Ion Ratio Lower Upper

165 100

63 39.9 36.3 54.5

89 66.4 57.2 85.8

182 2.4 2.6 3.8#



#58

Fluorene

Concen: 4.700 ng

RT: 15.381 min Scan# 2107

Delta R.T. -0.018 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

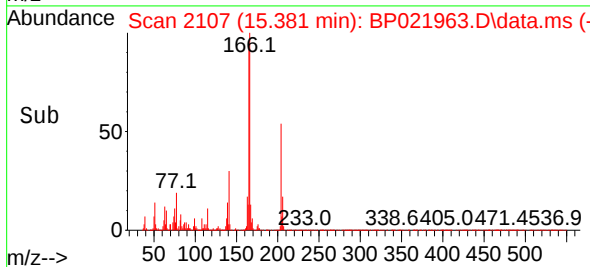
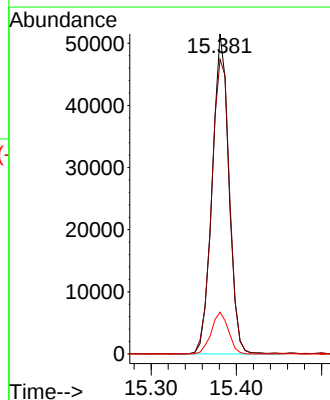
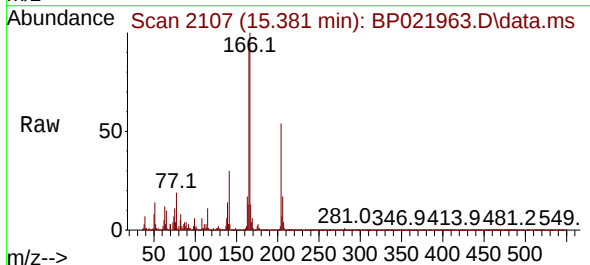
Tgt Ion:166 Resp: 69789

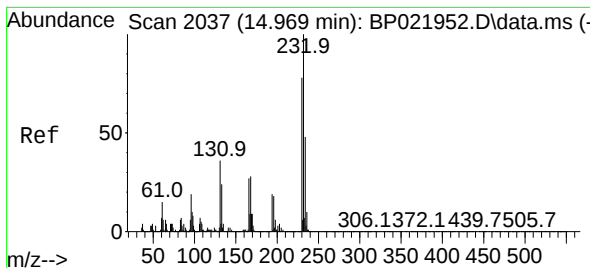
Ion Ratio Lower Upper

166 100

165 92.1 79.4 119.2

167 13.1 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.363 ng

RT: 14.957 min Scan# 20

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:232 Resp: 21192

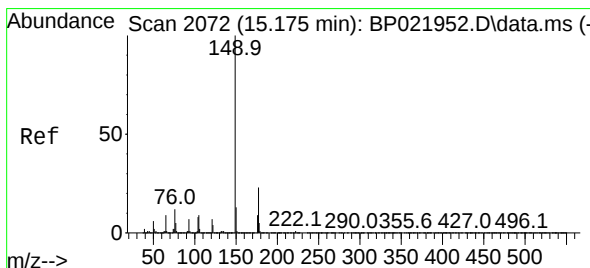
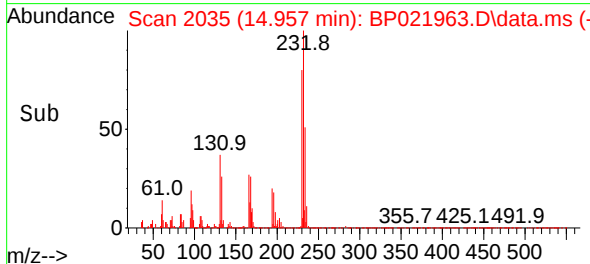
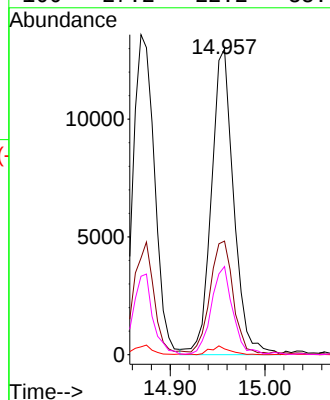
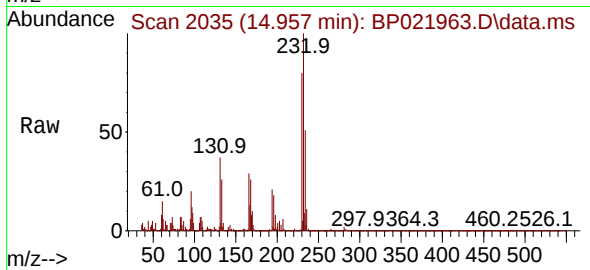
Ion Ratio Lower Upper

232 100

131 38.0 30.2 45.4

130 2.4 1.9 2.9

166 27.2 22.2 33.4



#60

Diethylphthalate

Concen: 4.725 ng

RT: 15.151 min Scan# 2068

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

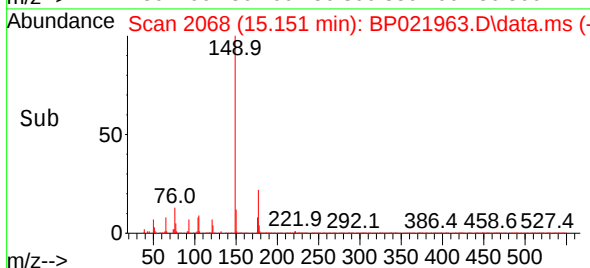
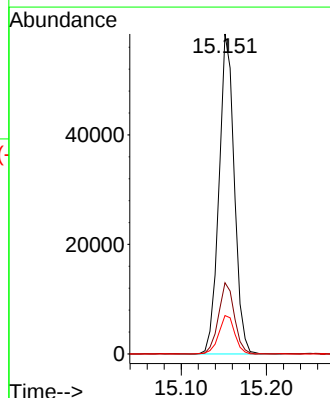
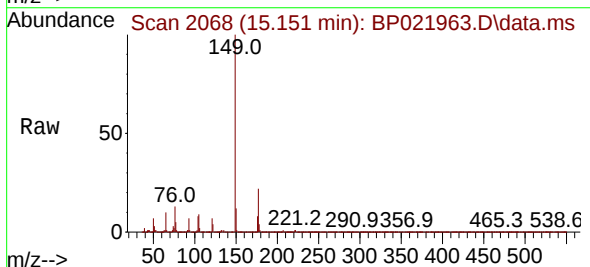
Tgt Ion:149 Resp: 72756

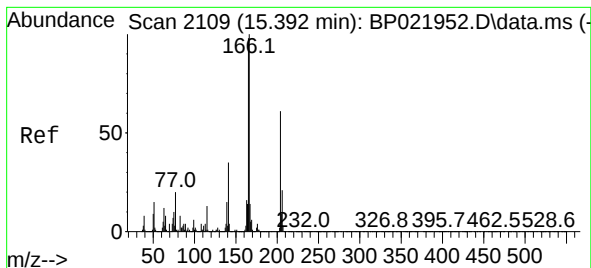
Ion Ratio Lower Upper

149 100

177 22.3 18.2 27.4

150 12.0 10.1 15.1

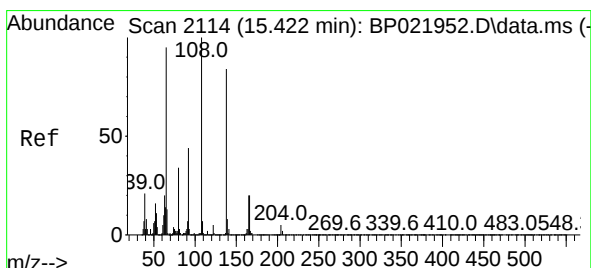
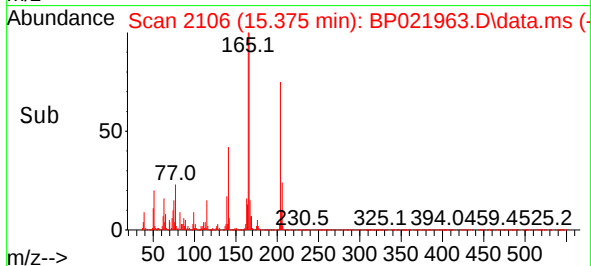
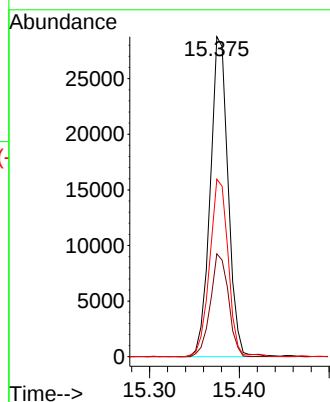
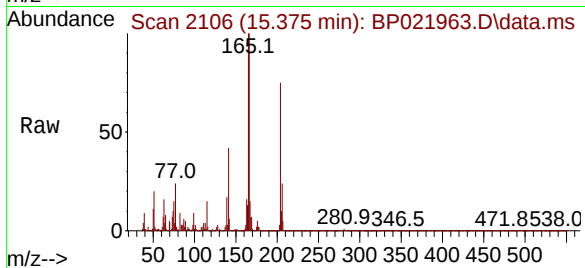




#61
4-Chlorophenyl-phenylether
Concen: 4.604 ng
RT: 15.375 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

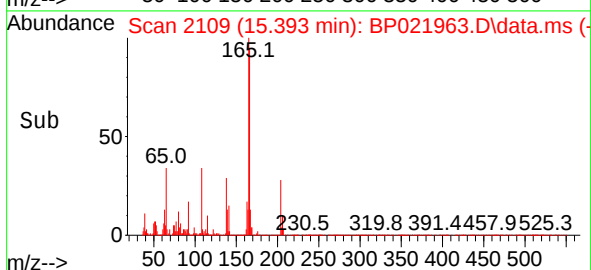
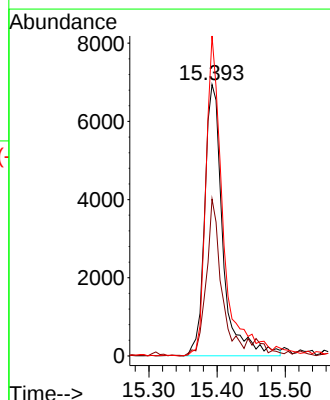
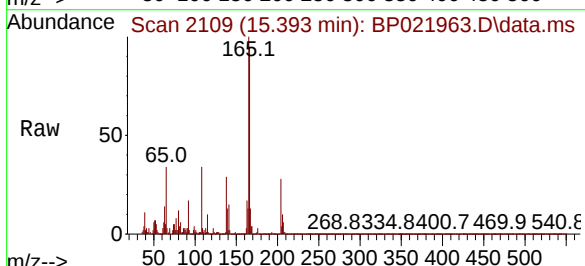
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

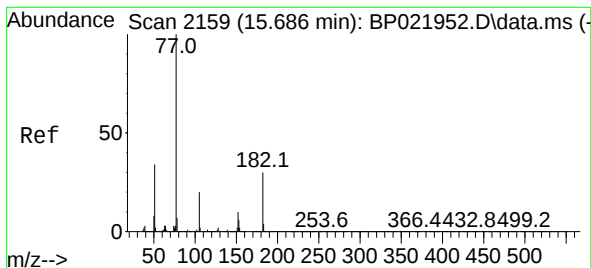
Tgt Ion:204 Resp: 39801
Ion Ratio Lower Upper
204 100
206 32.2 27.3 40.9
141 55.4 45.7 68.5



#62
4-Nitroaniline
Concen: 3.896 ng
RT: 15.393 min Scan# 2109
Delta R.T. -0.029 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:138 Resp: 12893
Ion Ratio Lower Upper
138 100
92 57.9 32.6 72.6
108 118.0 98.6 138.6





#63

Azobenzene

Concen: 4.519 ng

RT: 15.675 min Scan# 2159

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 57578

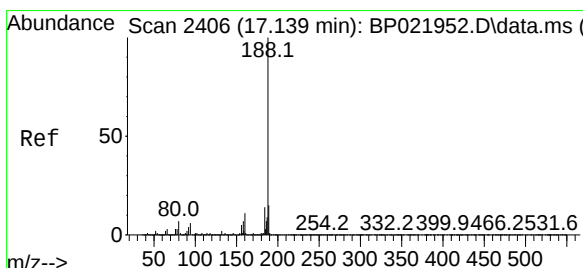
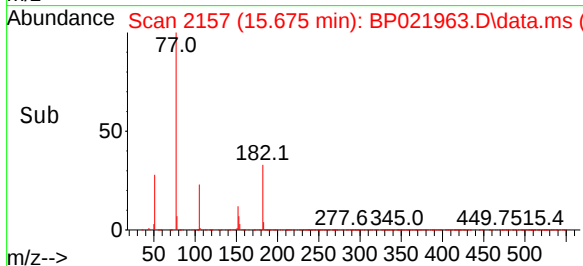
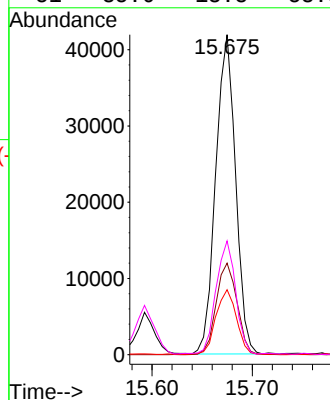
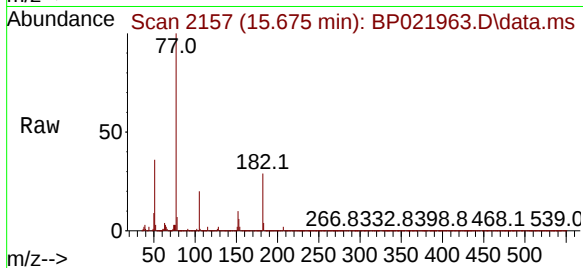
Ion Ratio Lower Upper

77 100

182 28.6 9.6 49.6

105 20.3 0.0 39.8

51 35.6 13.8 53.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.110 min Scan# 2401

Delta R.T. -0.029 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

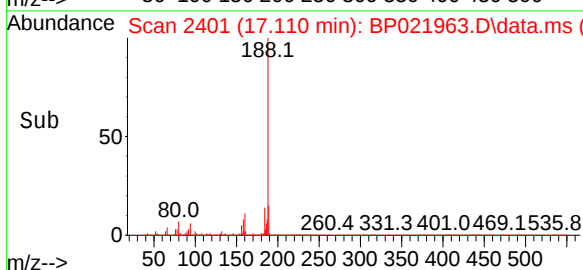
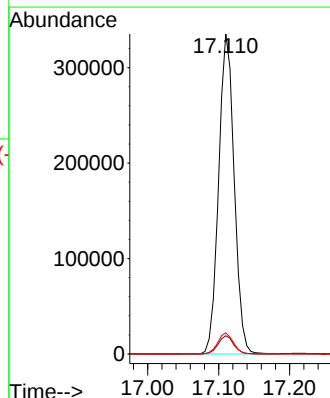
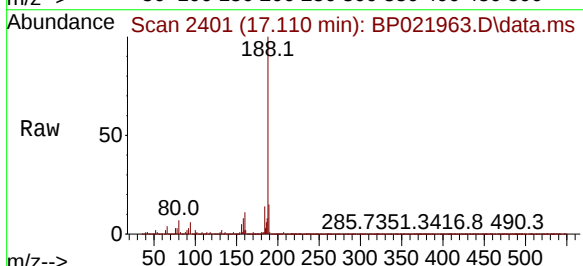
Tgt Ion: 188 Resp: 508713

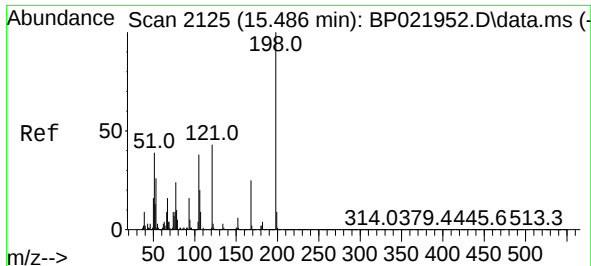
Ion Ratio Lower Upper

188 100

94 5.7 4.6 6.8

80 6.6 5.4 8.2





#65

4,6-Dinitro-2-methylphenol

Concen: 3.503 ng

RT: 15.463 min Scan# 2125

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

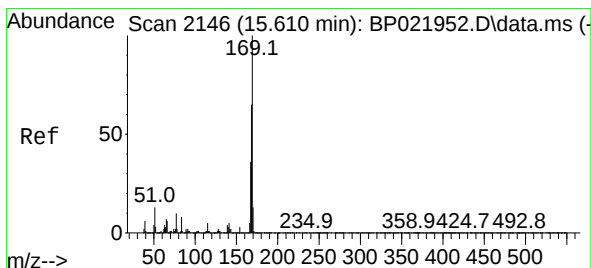
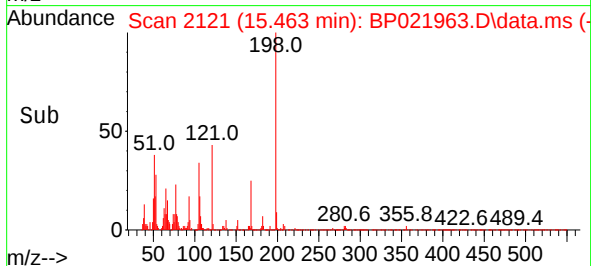
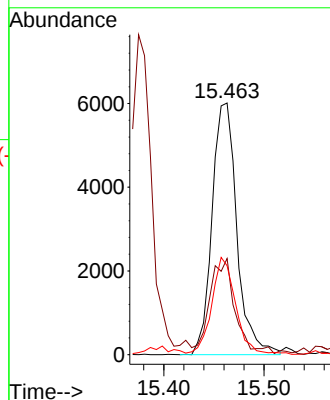
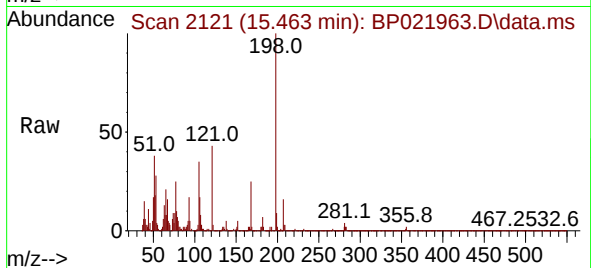
Tgt Ion:198 Resp: 10330

Ion Ratio Lower Upper

198 100

51 38.2 20.7 60.7

105 35.3 18.4 58.4



#66

n-Nitrosodiphenylamine

Concen: 4.566 ng

RT: 15.593 min Scan# 2143

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

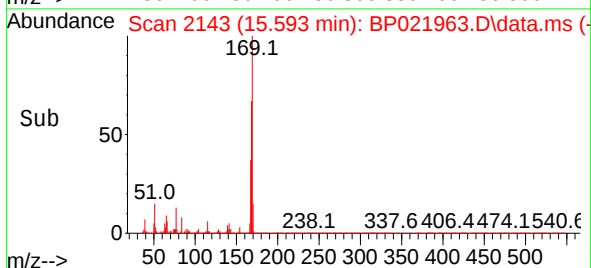
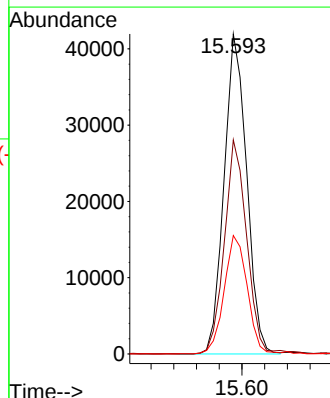
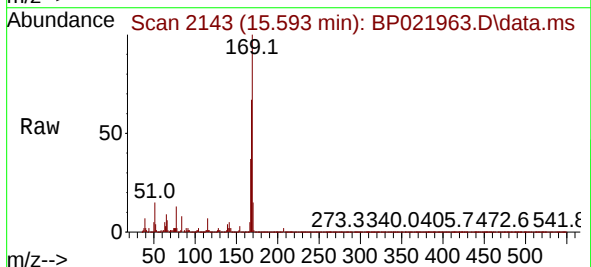
Tgt Ion:169 Resp: 57832

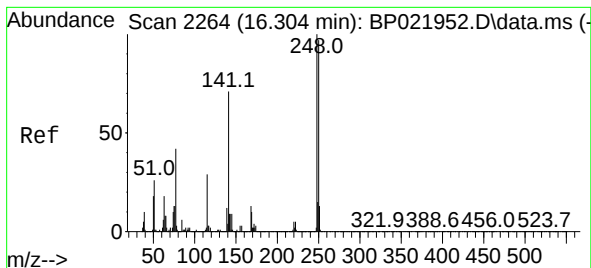
Ion Ratio Lower Upper

169 100

168 66.9 52.2 78.4

167 37.0 28.6 42.8





#67

4-Bromophenyl-phenylether

Concen: 4.600 ng

RT: 16.287 min Scan# 2261

Delta R.T. -0.018 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

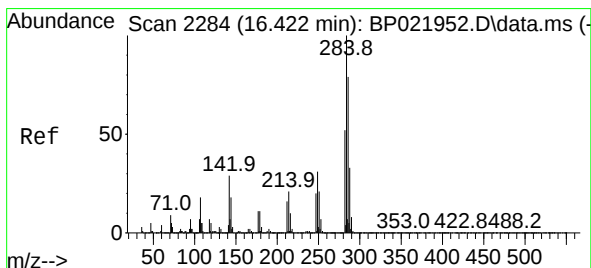
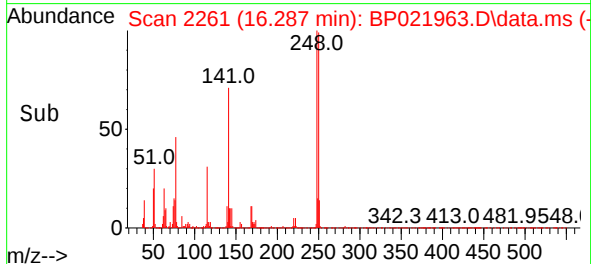
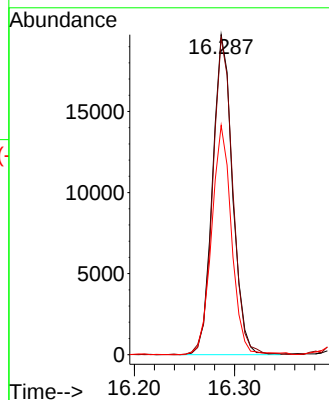
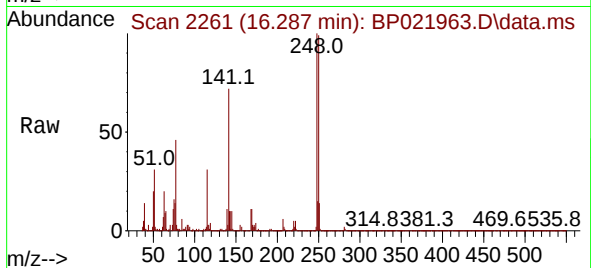
Tgt Ion:248 Resp: 27278

Ion Ratio Lower Upper

248 100

250 99.1 77.5 116.3

141 71.7 56.5 84.7



#68

Hexachlorobenzene

Concen: 4.670 ng

RT: 16.404 min Scan# 2281

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

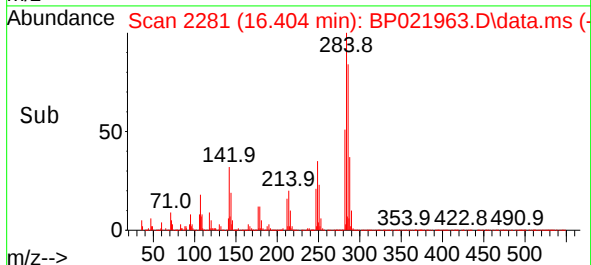
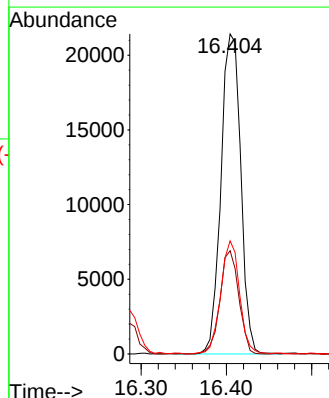
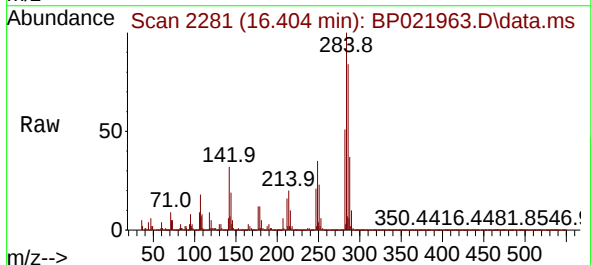
Tgt Ion:284 Resp: 34530

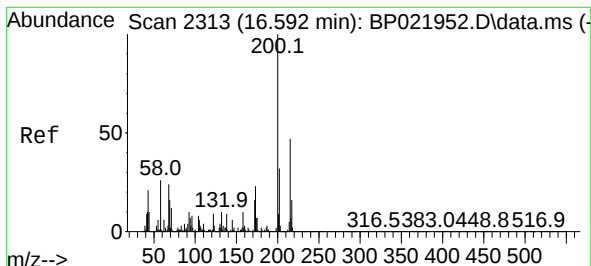
Ion Ratio Lower Upper

284 100

142 32.2 22.9 34.3

249 35.4 25.2 37.8





#69

Atrazine

Concen: 5.584 ng

RT: 16.563 min Scan# 2308

Delta R.T. -0.029 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

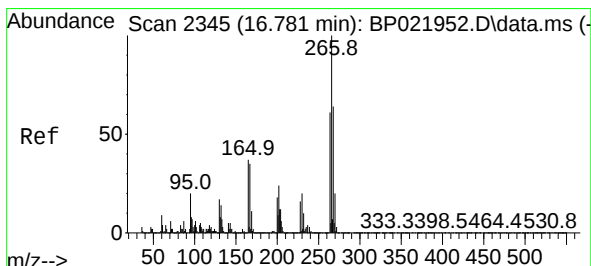
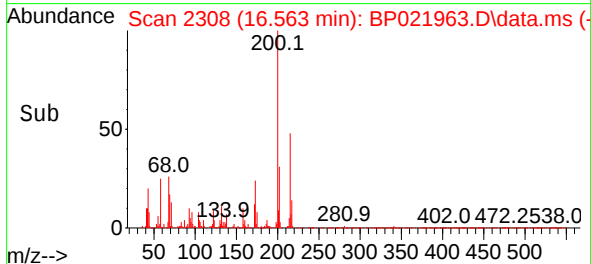
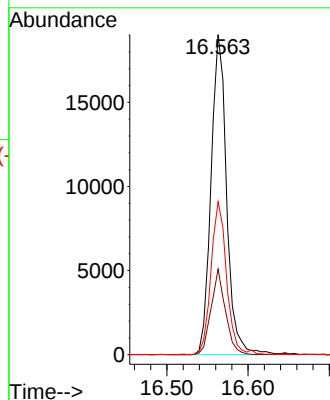
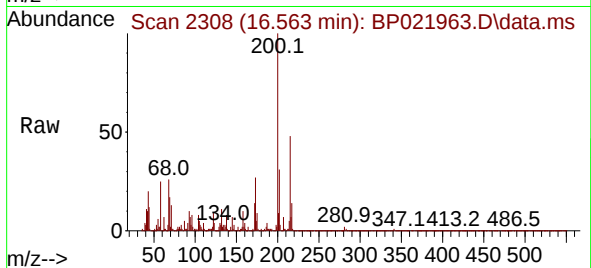
Tgt Ion:200 Resp: 25342

Ion Ratio Lower Upper

200 100

173 26.8 3.0 43.0

215 47.8 27.4 67.4



#70

Pentachlorophenol

Concen: 3.568 ng

RT: 16.757 min Scan# 2341

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

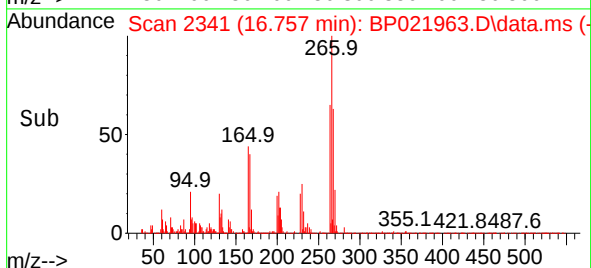
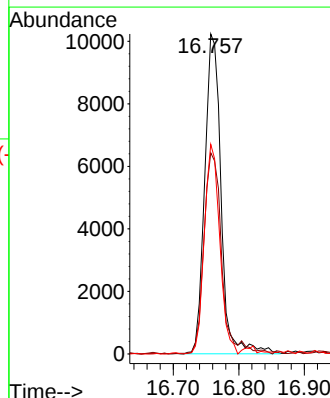
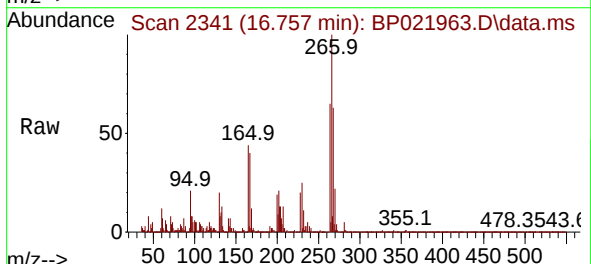
Tgt Ion:266 Resp: 17749

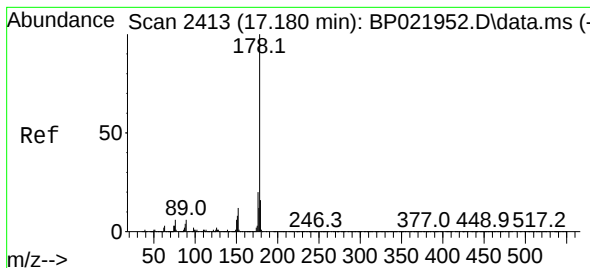
Ion Ratio Lower Upper

266 100

268 62.9 51.1 76.7

264 65.5 48.6 72.8





#71

Phenanthrene

Concen: 4.939 ng

RT: 17.157 min Scan# 2413

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

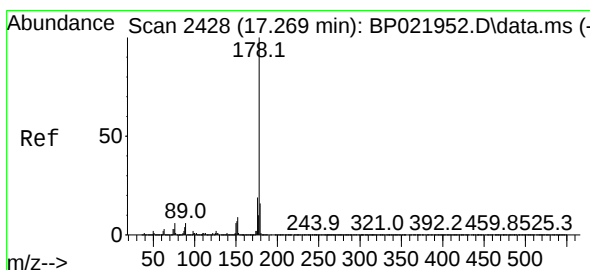
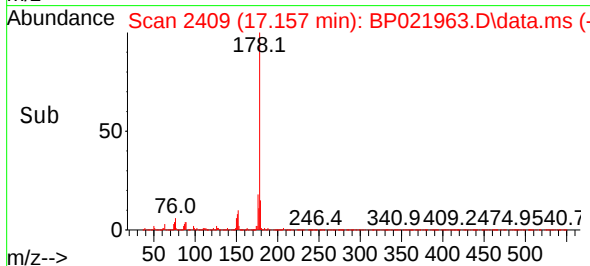
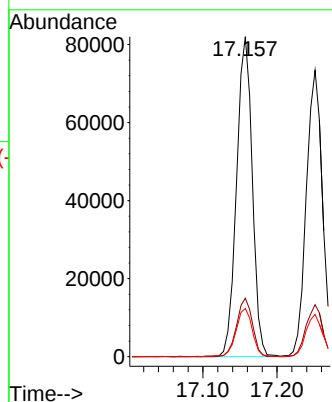
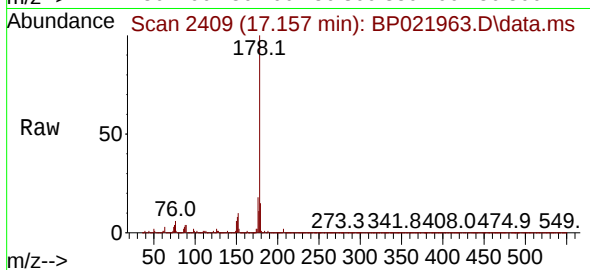
Tgt Ion:178 Resp: 120610

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

179 15.0 12.5 18.7



#72

Anthracene

Concen: 4.771 ng

RT: 17.251 min Scan# 2425

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

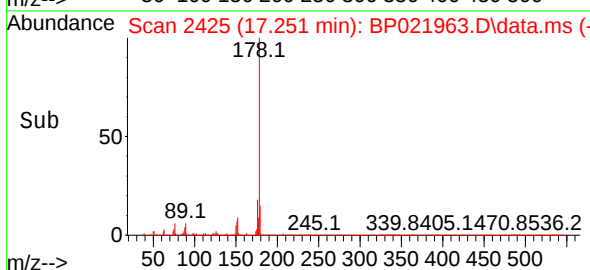
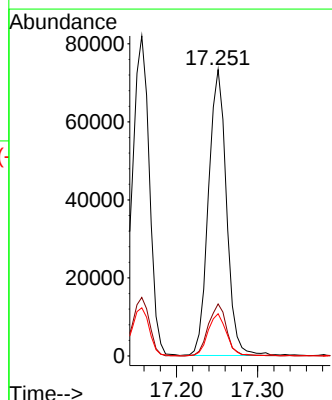
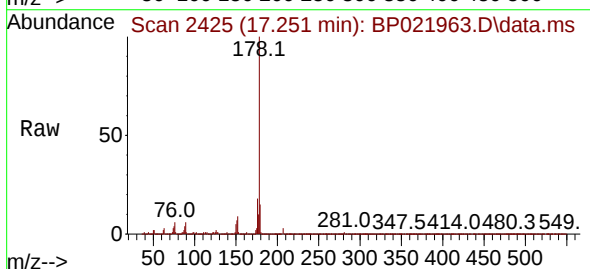
Tgt Ion:178 Resp: 112788

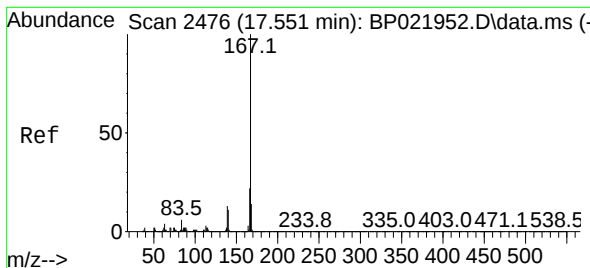
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 14.7 12.6 18.8





#73

Carbazole

Concen: 4.453 ng

RT: 17.534 min Scan# 2476

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

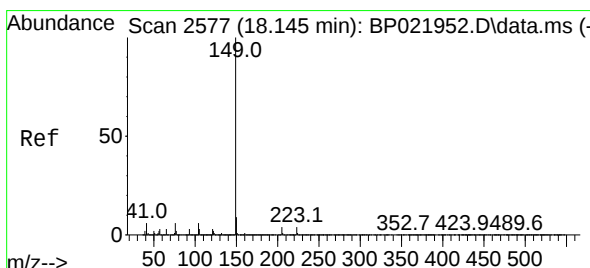
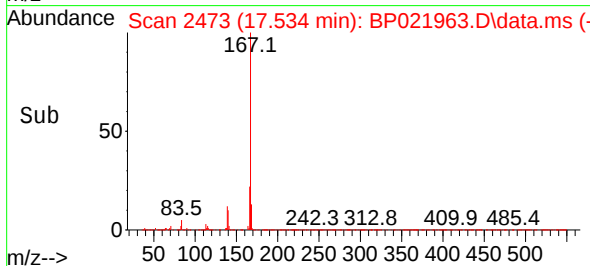
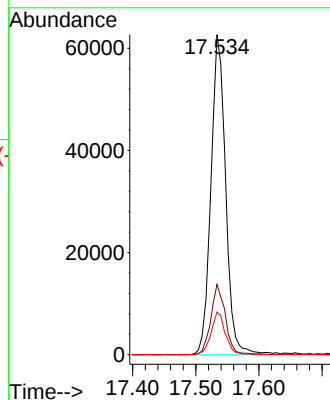
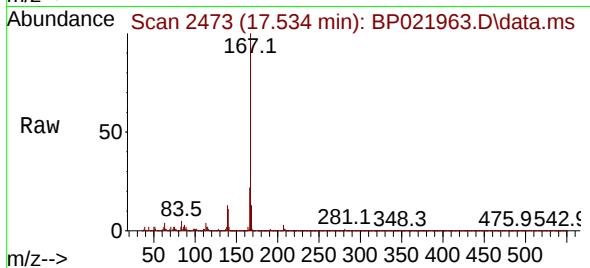
Tgt Ion:167 Resp: 101661

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

139 13.3 10.5 15.7



#74

Di-n-butylphthalate

Concen: 4.199 ng

RT: 18.122 min Scan# 2573

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

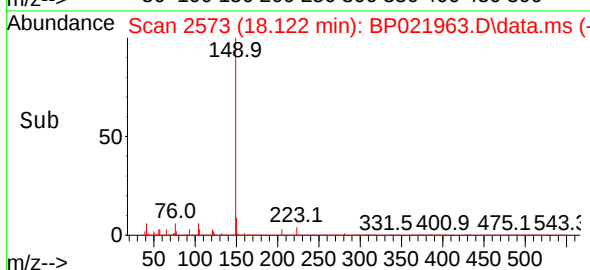
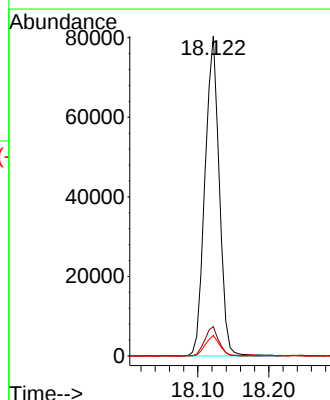
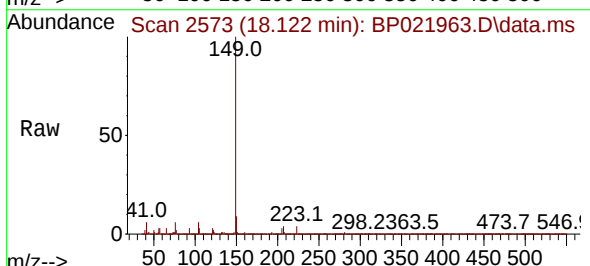
Tgt Ion:149 Resp: 112604

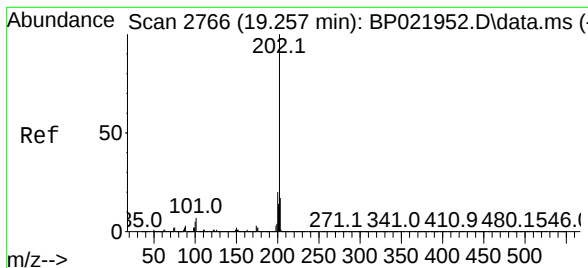
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 6.4 4.6 6.8





#75

Fluoranthene

Concen: 4.477 ng

RT: 19.239 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

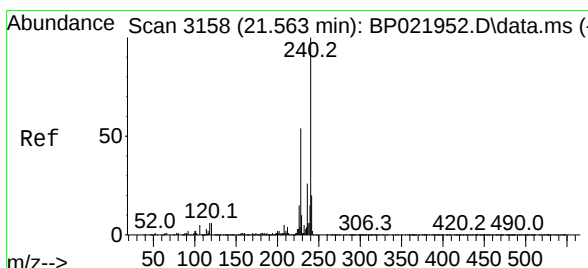
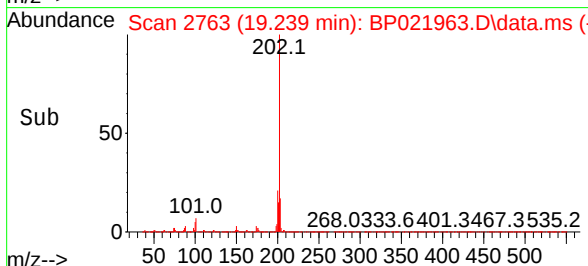
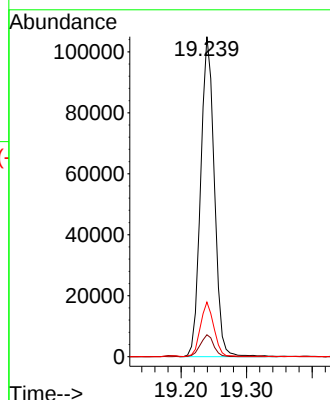
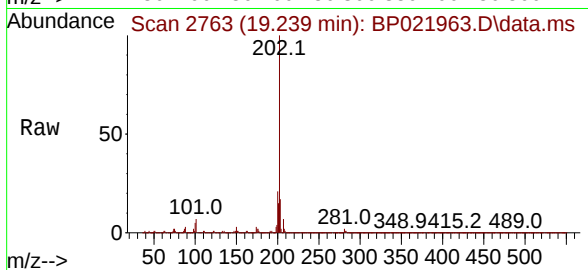
Tgt Ion:202 Resp: 152606

Ion Ratio Lower Upper

202 100

101 6.9 0.0 26.5

203 17.0 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 3154

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

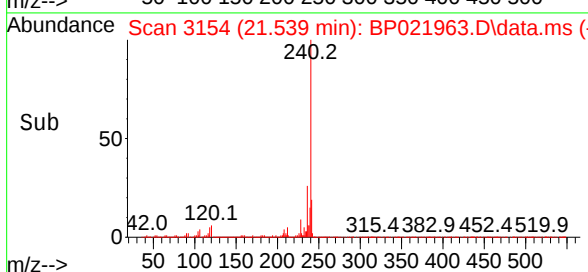
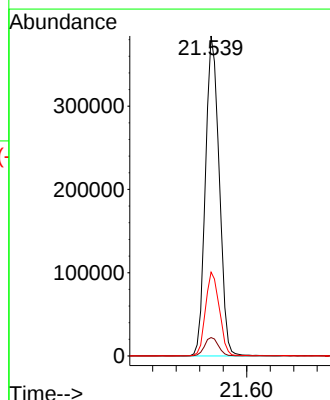
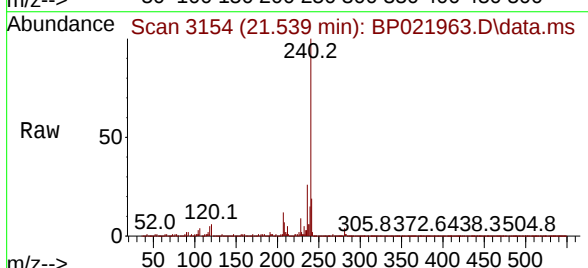
Tgt Ion:240 Resp: 626667

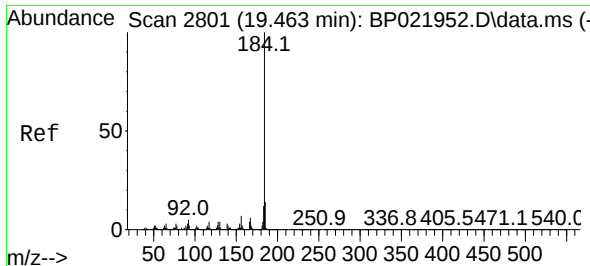
Ion Ratio Lower Upper

240 100

120 5.8 5.1 7.7

236 26.2 20.7 31.1

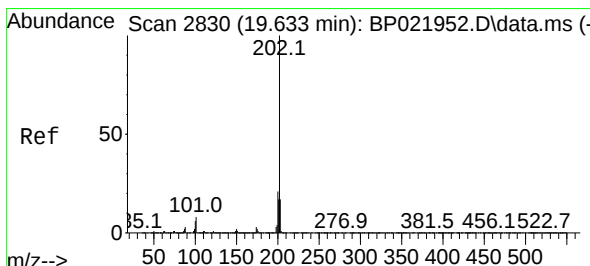
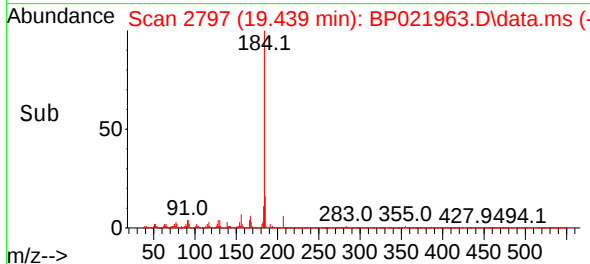
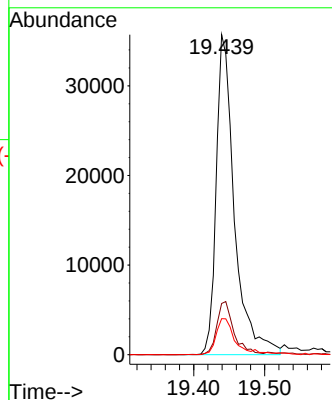
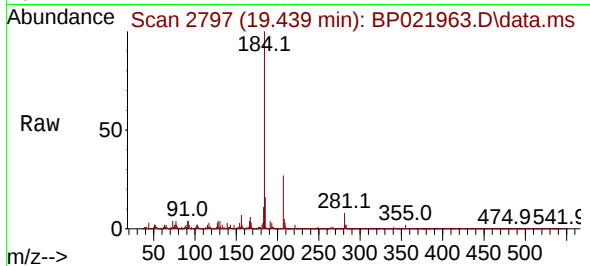




#77
Benzidine
Concen: 8.273 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

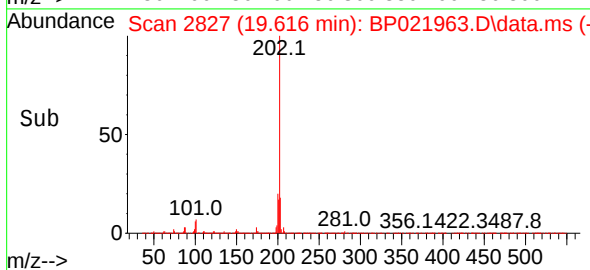
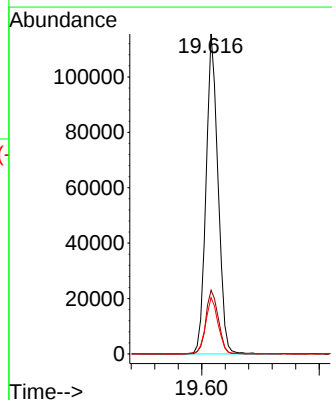
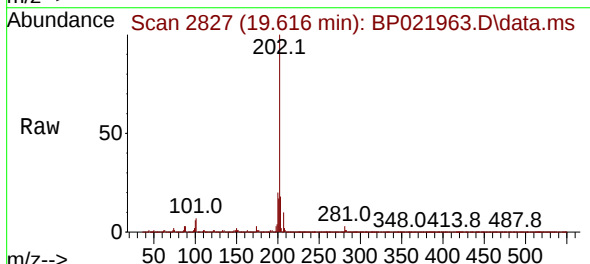
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

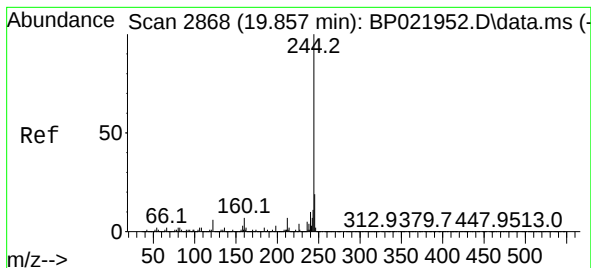
Tgt Ion:184 Resp: 63355
Ion Ratio Lower Upper
184 100
185 16.0 10.9 16.3
183 11.2 9.2 13.8



#78
Pyrene
Concen: 4.297 ng
RT: 19.616 min Scan# 2827
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:202 Resp: 162904
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.6 13.8 20.8





#79

Terphenyl-d14

Concen: 81.977 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

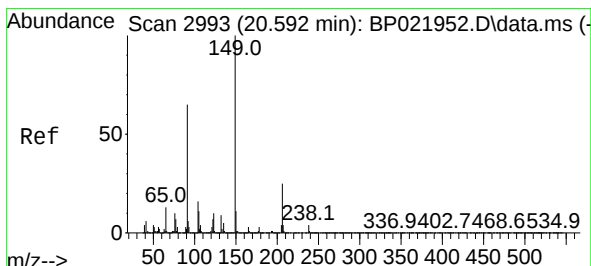
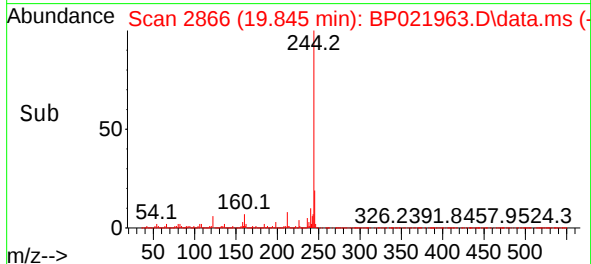
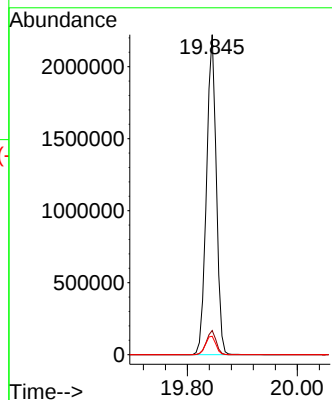
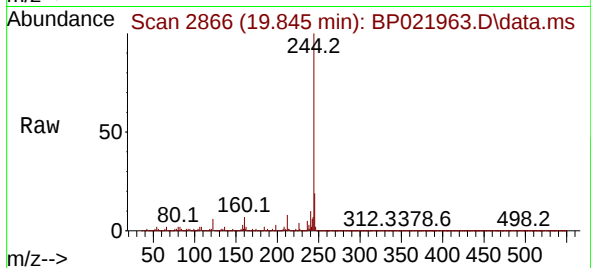
Tgt Ion:244 Resp: 2734781

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 5.8 5.0 7.4



#80

Butylbenzylphthalate

Concen: 4.138 ng

RT: 20.575 min Scan# 2990

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

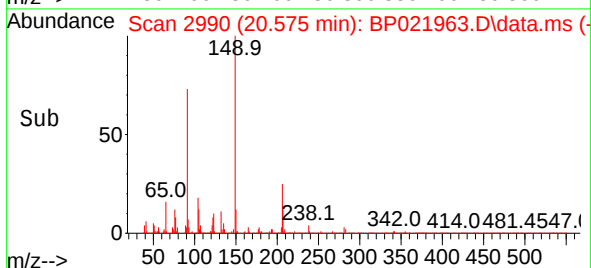
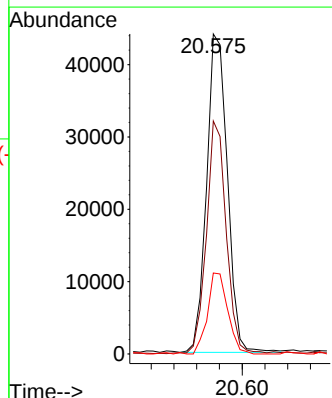
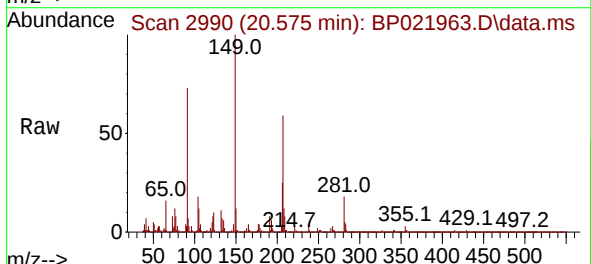
Tgt Ion:149 Resp: 55953

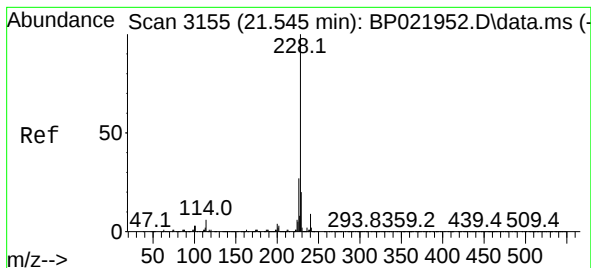
Ion Ratio Lower Upper

149 100

91 72.8 51.9 77.9

206 25.3 20.1 30.1





#81

Benzo(a)anthracene

Concen: 4.790 ng

RT: 21.522 min Scan# 3155

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

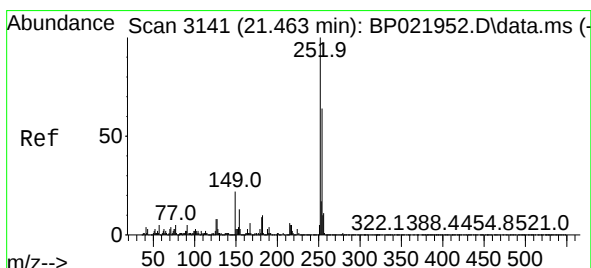
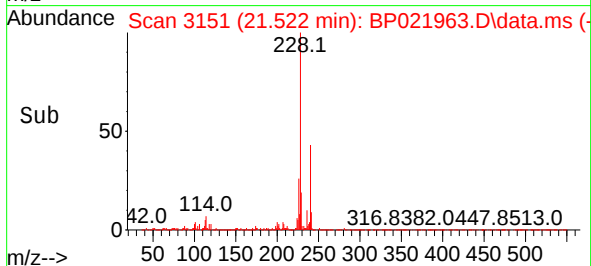
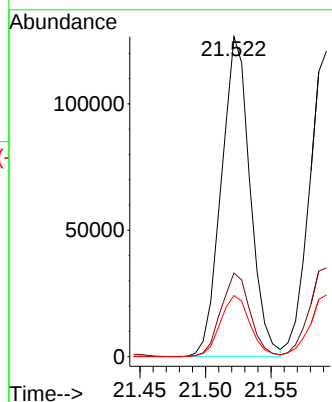
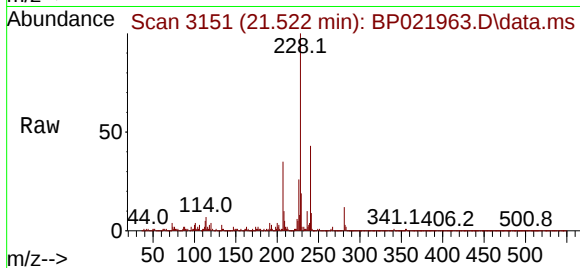
Tgt Ion:228 Resp: 192887

Ion Ratio Lower Upper

228 100

226 26.2 21.5 32.3

229 19.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 4.401 ng

RT: 21.445 min Scan# 3138

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

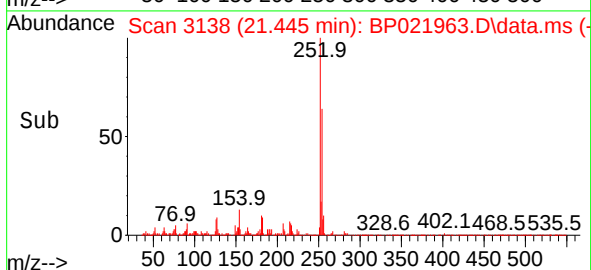
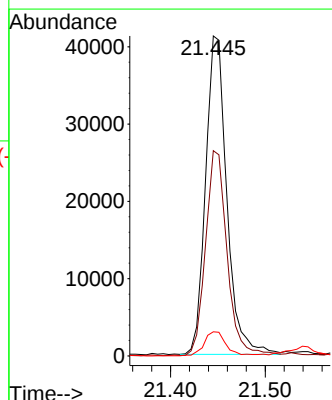
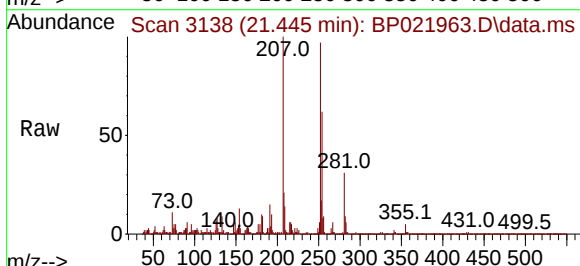
Tgt Ion:252 Resp: 64301

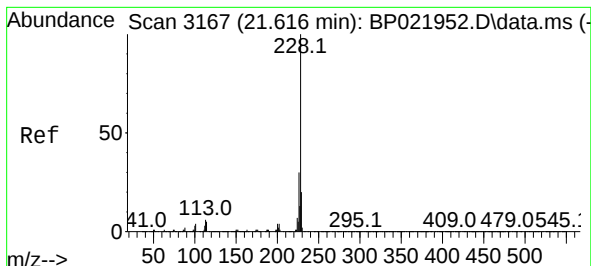
Ion Ratio Lower Upper

252 100

254 64.2 51.4 77.2

126 7.6 6.2 9.4





#83

Chrysene

Concen: 4.871 ng

RT: 21.592 min Scan# 3163

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

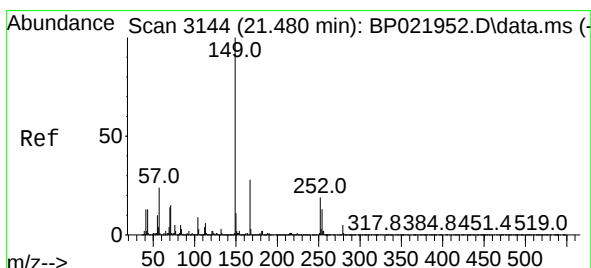
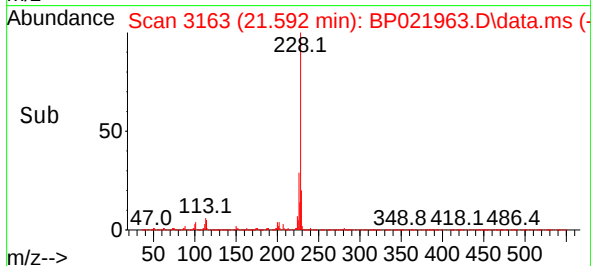
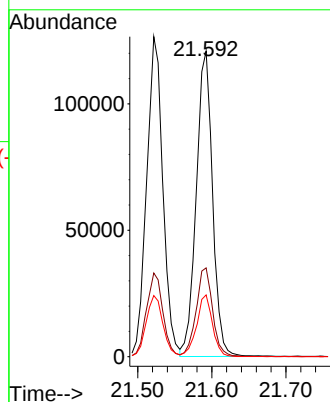
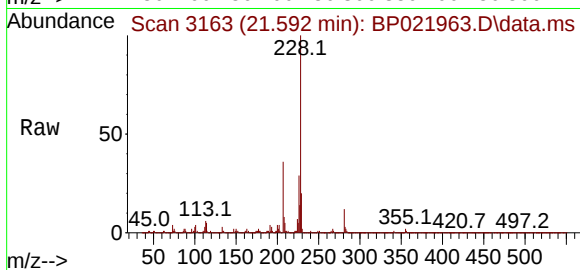
Tgt Ion:228 Resp: 184677

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.4

229 20.2 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.241 ng

RT: 21.469 min Scan# 3142

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

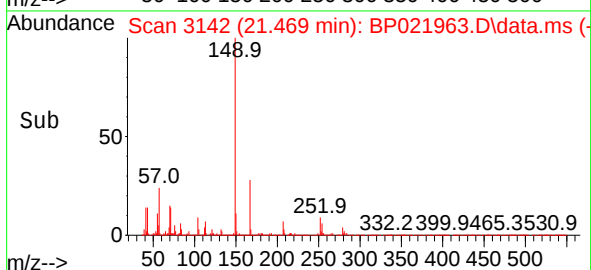
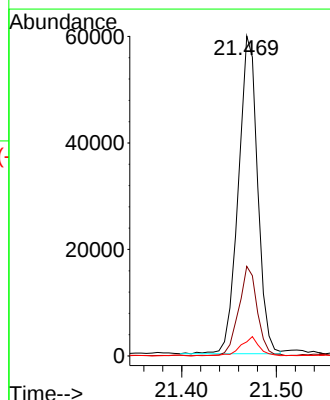
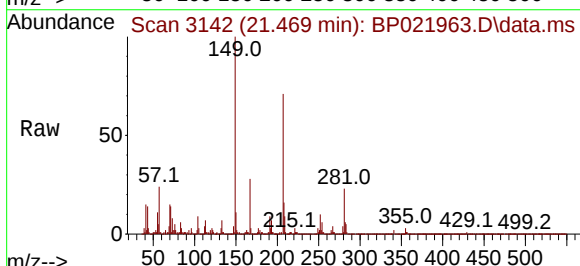
Tgt Ion:149 Resp: 84160

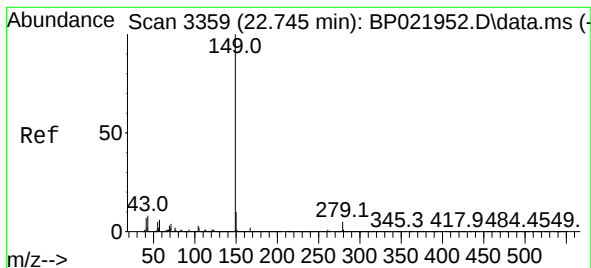
Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

279 4.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 4.045 ng

RT: 22.710 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

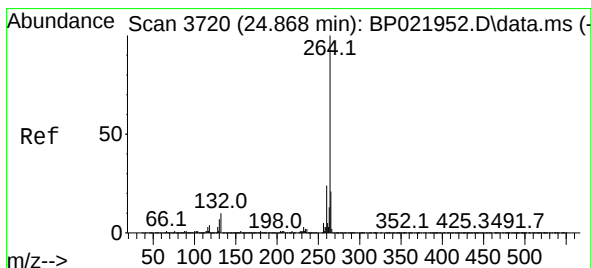
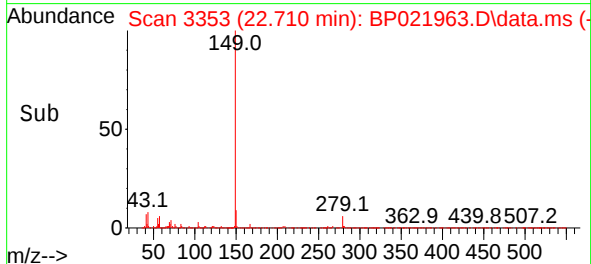
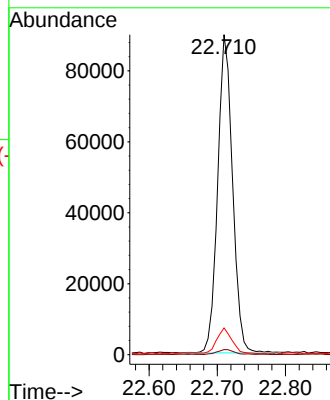
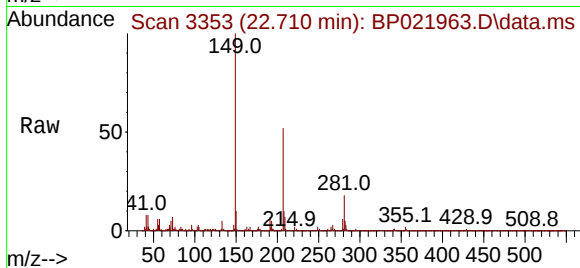
Tgt Ion:149 Resp: 136346

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 8.1 6.2 9.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.833 min Scan# 3714

Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

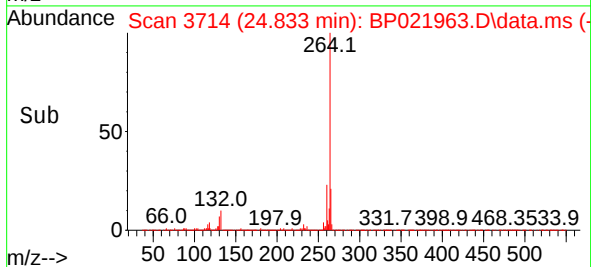
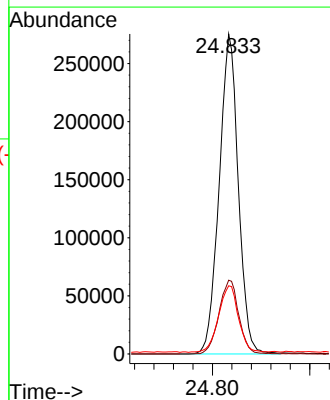
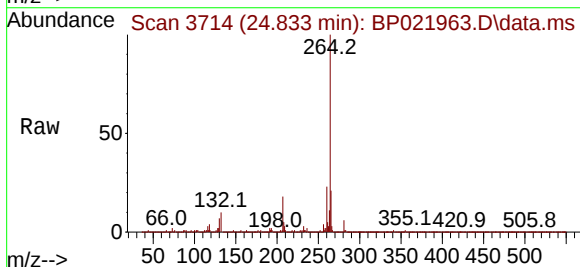
Tgt Ion:264 Resp: 750639

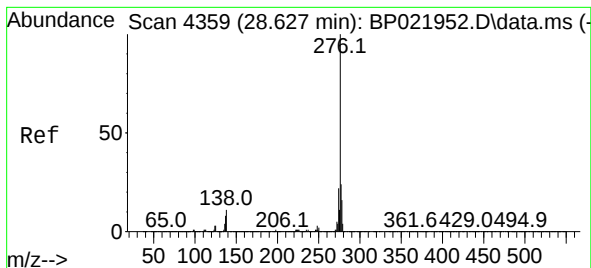
Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.815 ng

RT: 28.551 min Scan# 41

Delta R.T. -0.076 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

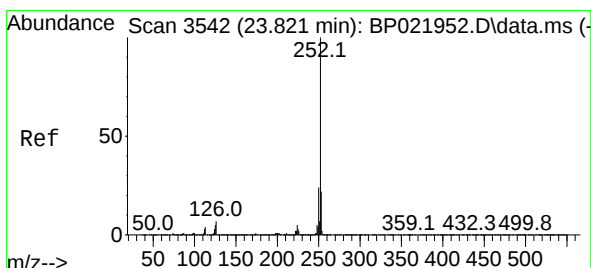
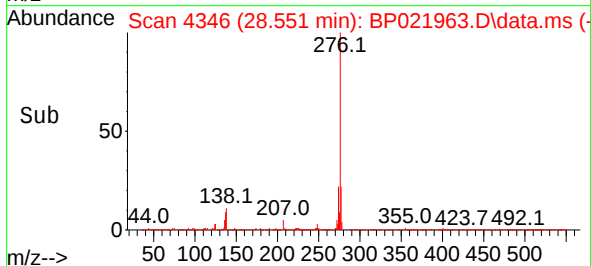
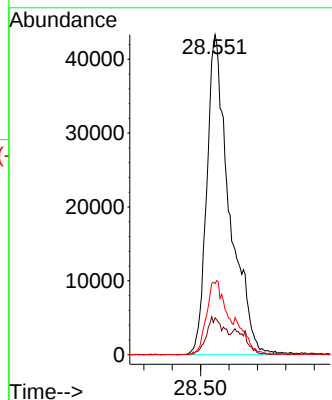
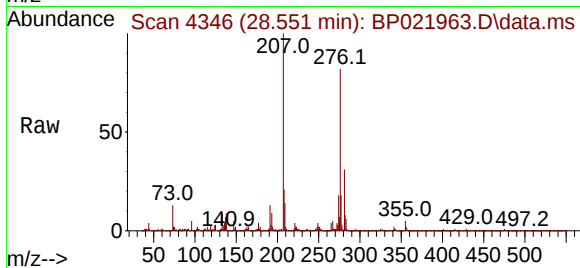
Tgt Ion:276 Resp: 240368

Ion Ratio Lower Upper

276 100

138 3.9 7.8 11.8#

277 20.0 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 4.578 ng

RT: 23.845 min Scan# 3546

Delta R.T. 0.024 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

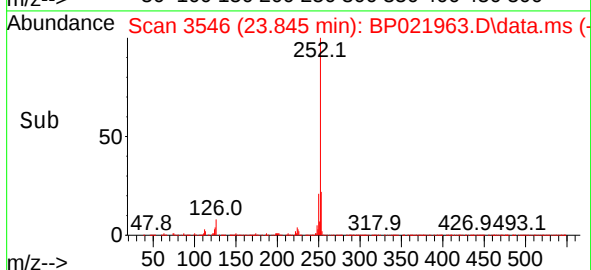
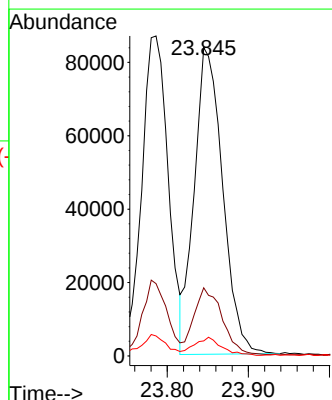
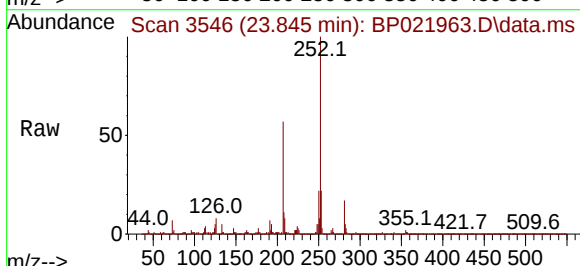
Tgt Ion:252 Resp: 203228

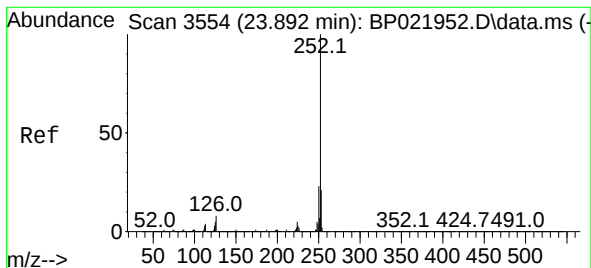
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 4.9 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 4.837 ng

RT: 23.845 min Scan# 3554

Delta R.T. -0.047 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

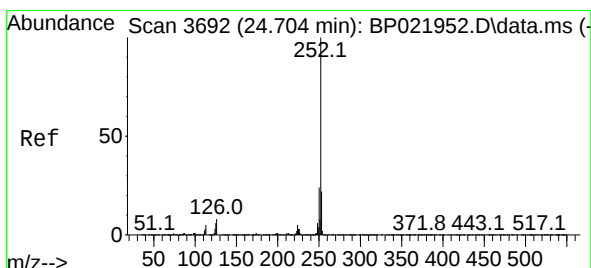
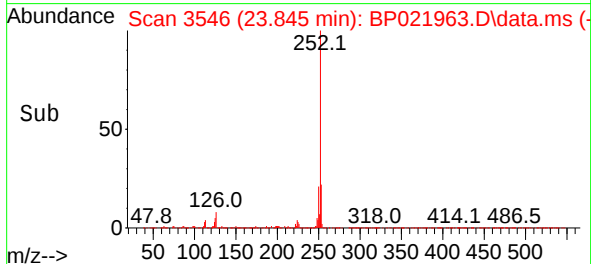
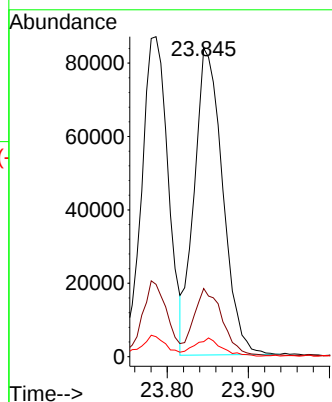
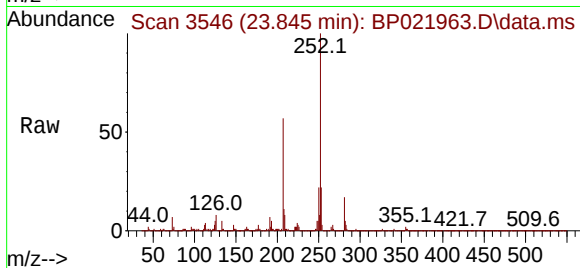
Tgt Ion:252 Resp: 203228

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 4.9 4.3 6.5



#90

Benzo(a)pyrene

Concen: 4.694 ng

RT: 24.669 min Scan# 3686

Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

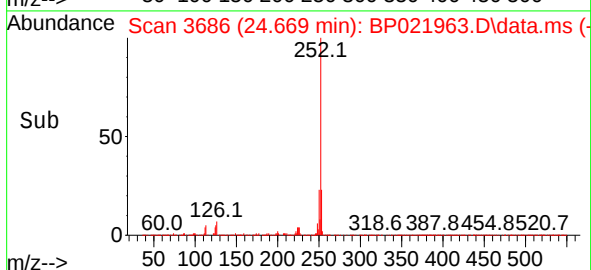
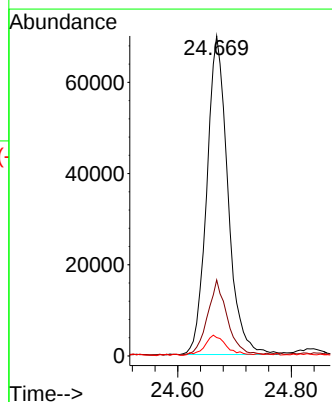
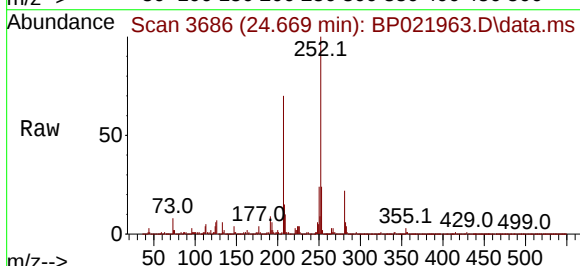
Tgt Ion:252 Resp: 179516

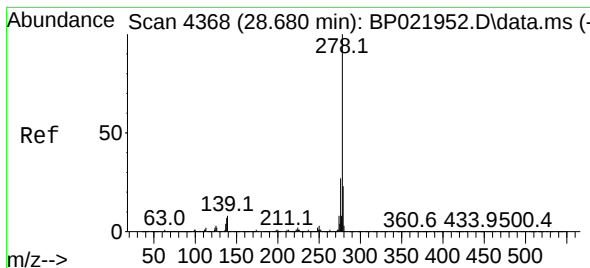
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 5.8 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 4.796 ng

RT: 28.633 min Scan# 441

Delta R.T. -0.047 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

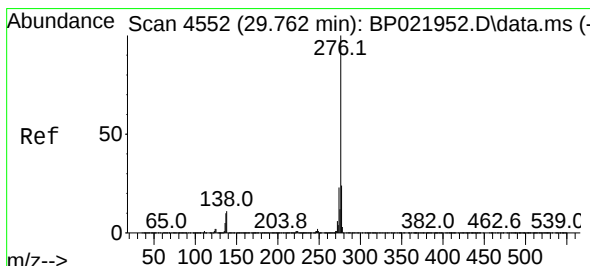
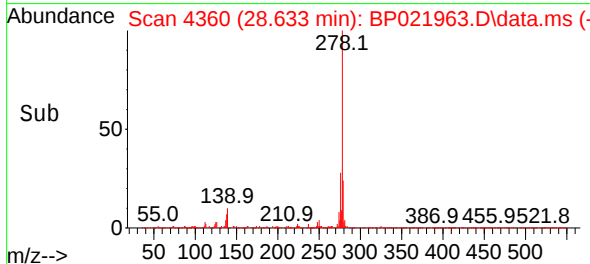
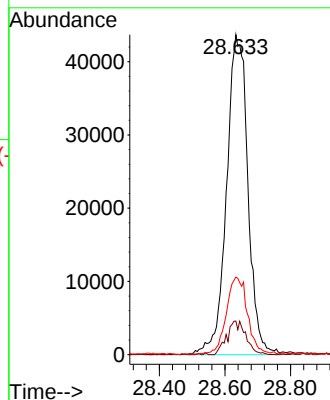
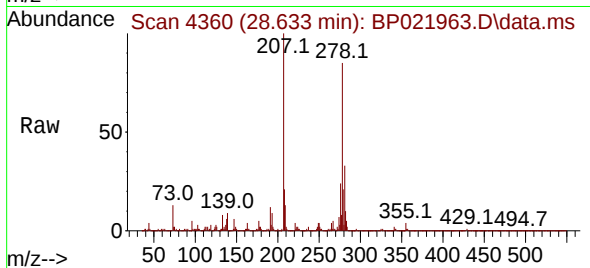
Tgt Ion:278 Resp: 197614

Ion Ratio Lower Upper

278 100

139 10.5 6.6 10.0#

279 24.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 4.460 ng

RT: 29.698 min Scan# 4541

Delta R.T. -0.065 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:276 Resp: 188242

Ion Ratio Lower Upper

276 100

277 24.8 19.3 28.9

138 13.9 9.2 13.8#

