

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022931.D
 Acq On : 08 Nov 2024 12:47
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 08 13:36:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	53693	20.000	ng	-0.04
21) Naphthalene-d8	10.322	136	206593	20.000	ng	-0.02
39) Acenaphthene-d10	14.210	164	171694	20.000	ng	0.00
64) Phenanthrene-d10	17.022	188	434135	20.000	ng	0.00
76) Chrysene-d12	21.463	240	532168	20.000	ng	0.00
86) Perylene-d12	24.721	264	645571	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.199	112	295223	104.346	ng	-0.04
7) Phenol-d6	6.758	99	403470	102.258	ng	-0.04
23) Nitrobenzene-d5	8.705	82	318819	72.908	ng	-0.04
42) 2,4,6-Tribromophenol	15.728	330	338422	101.690	ng	-0.02
45) 2-Fluorobiphenyl	12.804	172	855853	71.225	ng	-0.01
79) Terphenyl-d14	19.763	244	1882867	66.446	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.158	88	11228	9.940	ng	96
3) Pyridine	3.564	79	24594	7.930	ng	# 85
4) n-Nitrosodimethylamine	3.470	42	13871	9.278	ng	# 83
6) Aniline	6.905	93	37264	11.329	ng	99
8) 2-Chlorophenol	7.140	128	27111	9.142	ng	99
9) Benzaldehyde	6.728	77	28456	12.479	ng	92
10) Phenol	6.781	94	34982	8.952	ng	84
11) bis(2-Chloroethyl)ether	6.993	93	26314	8.913	ng	93
12) 1,3-Dichlorobenzene	7.452	146	33803	8.932	ng	97
13) 1,4-Dichlorobenzene	7.593	146	34380	8.896	ng	98
14) 1,2-Dichlorobenzene	7.905	146	32993	8.830	ng	97
15) Benzyl Alcohol	7.816	79	22167	7.417	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.063	45	30092	9.395	ng	98
17) 2-Methylphenol	8.011	107	22214	8.375	ng	96
18) Hexachloroethane	8.616	117	12136	8.488	ng	98
19) n-Nitroso-di-n-propyla...	8.352	70	23914	8.855	ng	98
20) 3+4-Methylphenols	8.340	107	30524	8.234	ng	92
22) Acetophenone	8.375	105	49334	8.971	ng	98
24) Nitrobenzene	8.740	77	39061	8.794	ng	96
25) Isophorone	9.269	82	63559	8.588	ng	98
26) 2-Nitrophenol	9.457	139	14203	7.786	ng	96
27) 2,4-Dimethylphenol	9.528	122	15106	7.253	ng	95
28) bis(2-Chloroethoxy)met...	9.740	93	35938	8.549	ng	93
29) 2,4-Dichlorophenol	10.010	162	29519	8.188	ng	98
30) 1,2,4-Trichlorobenzene	10.187	180	37740	8.188	ng	93
31) Naphthalene	10.369	128	86997	8.404	ng	99
32) Benzoic acid	9.646	122	28184	11.269	ng	97
33) 4-Chloroaniline	10.499	127	32698	8.875	ng	97
34) Hexachlorobutadiene	10.646	225	27393	8.103	ng	98
35) Caprolactam	11.281	113	7453	6.905	ng	99
36) 4-Chloro-3-methylphenol	11.640	107	32360	8.050	ng	95
37) 2-Methylnaphthalene	11.993	142	66040	8.518	ng	98
38) 1-Methylnaphthalene	12.210	142	60457	7.857	ng	99
40) 1,2,4,5-Tetrachloroben...	12.375	216	49530	8.521	ng	100
41) Hexachlorocyclopentadiene	12.346	237	11052	6.770	ng	89
43) 2,4,6-Trichlorophenol	12.628	196	28878	7.812	ng	94

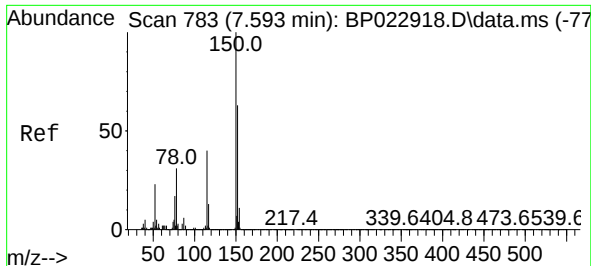
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.716	196	32109	7.630	ng	94
46) 1,1'-Biphenyl	13.028	154	99155	8.688	ng	98
47) 2-Chloronaphthalene	13.069	162	77032	8.133	ng	99
48) 2-Nitroaniline	13.287	65	20188	7.316	ng	88
49) Acenaphthylene	13.928	152	119642	9.045	ng	96
50) Dimethylphthalate	13.651	163	105110	8.361	ng	99
51) 2,6-Dinitrotoluene	13.798	165	21121	7.389	ng	92
52) Acenaphthene	14.275	154	70301	8.265	ng	96
53) 3-Nitroaniline	14.145	138	17979	7.742	ng	96
54) 2,4-Dinitrophenol	14.369	184	11049	6.229	ng	90
55) Dibenzofuran	14.622	168	128542	8.605	ng	99
56) 4-Nitrophenol	14.516	139	12342	6.462	ng	# 91
57) 2,4-Dinitrotoluene	14.610	165	30024	7.266	ng	93
58) Fluorene	15.292	166	103469	8.337	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.875	232	33559	8.268	ng	99
60) Diethylphthalate	15.051	149	100955	8.075	ng	98
61) 4-Chlorophenyl-phenyle...	15.281	204	59949	8.196	ng	97
62) 4-Nitroaniline	15.328	138	17208	7.221	ng	96
63) Azobenzene	15.581	77	89528	8.328	ng	96
65) 4,6-Dinitro-2-methylph...	15.392	198	29090	11.014	ng	96
66) n-Nitrosodiphenylamine	15.498	169	89116	8.303	ng	98
67) 4-Bromophenyl-phenylether	16.187	248	42003	8.067	ng	96
68) Hexachlorobenzene	16.316	284	53894	8.081	ng	97
69) Atrazine	16.475	200	38209	10.562	ng	99
70) Pentachlorophenol	16.692	266	28380	6.663	ng	92
71) Phenanthrene	17.075	178	174585	8.310	ng	99
72) Anthracene	17.163	178	172769	8.568	ng	98
73) Carbazole	17.457	167	156361	8.119	ng	99
74) Di-n-butylphthalate	18.034	149	162103	7.553	ng	99
75) Fluoranthene	19.157	202	225894	7.751	ng	100
77) Benzidine	19.369	184	97679	9.290	ng	98
78) Pyrene	19.539	202	244416	7.759	ng	98
80) Butylbenzylphthalate	20.498	149	76432	7.116	ng	92
81) Benzo(a)anthracene	21.445	228	280796	8.479	ng	99
82) 3,3'-Dichlorobenzidine	21.380	252	105650	7.881	ng	96
83) Chrysene	21.516	228	262915	8.476	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	113440	7.360	ng	99
85) Di-n-octyl phthalate	22.616	149	198483	7.706	ng	99
87) Indeno(1,2,3-cd)pyrene	28.404	276	375584	8.626	ng	100
88) Benzo(b)fluoranthene	23.686	252	302850	7.985	ng	98
89) Benzo(k)fluoranthene	23.757	252	309378	8.639	ng	99
90) Benzo(a)pyrene	24.563	252	281554	8.676	ng	99
91) Dibenzo(a,h)anthracene	28.462	278	306096	8.572	ng	98
92) Benzo(g,h,i)perylene	29.509	276	124240	3.396	ng	99

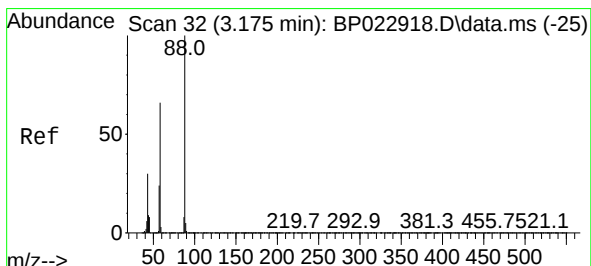
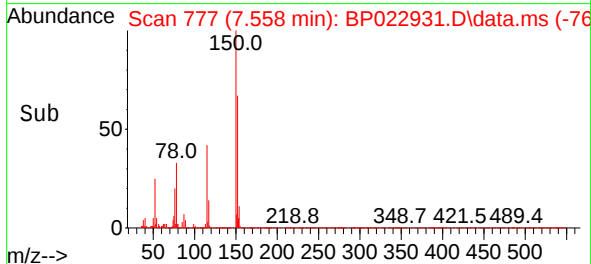
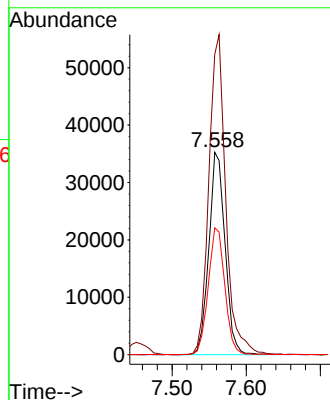
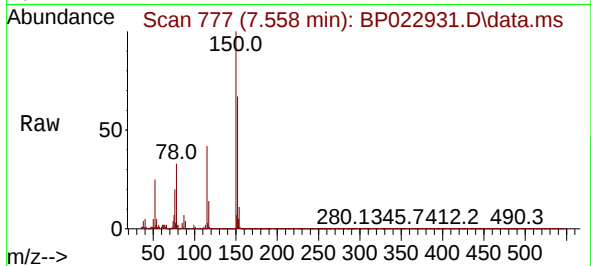
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.558 min Scan# 71
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

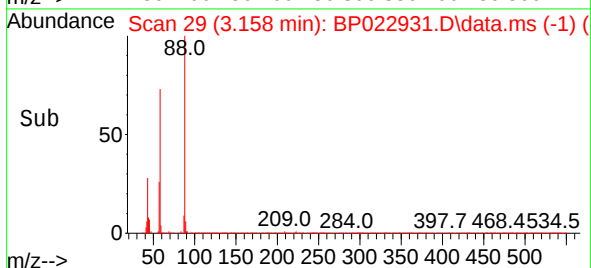
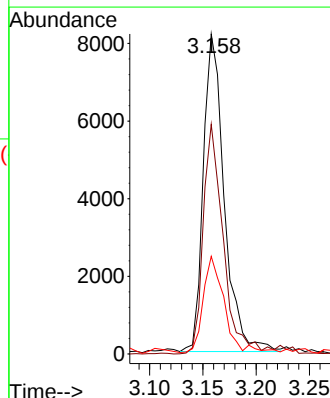
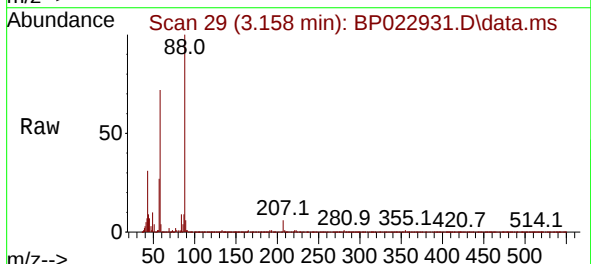
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

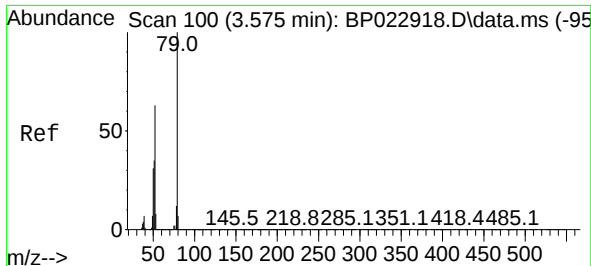
Tgt Ion:152 Resp: 53693
Ion Ratio Lower Upper
152 100
150 148.4 127.0 190.4
115 62.7 50.5 75.7



#2
1,4-Dioxane
Concen: 9.940 ng
RT: 3.158 min Scan# 29
Delta R.T. -0.017 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion: 88 Resp: 11228
Ion Ratio Lower Upper
88 100
58 69.3 52.8 79.2
43 30.3 23.4 35.0





#3

Pyridine

Concen: 7.930 ng

RT: 3.564 min Scan# 90

Delta R.T. -0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

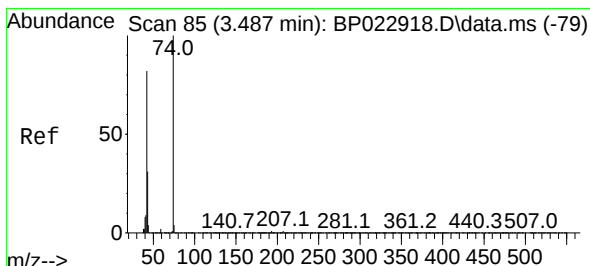
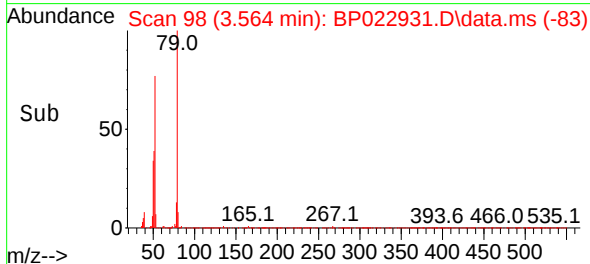
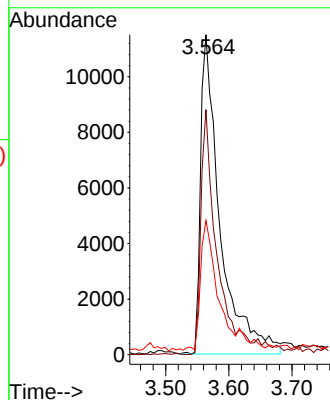
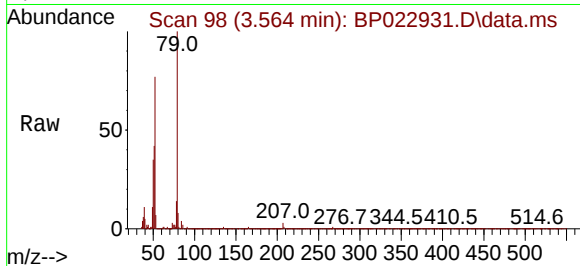
Tgt Ion: 79 Resp: 24594

Ion Ratio Lower Upper

79 100

52 76.6 50.4 75.6#

51 41.9 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 9.278 ng

RT: 3.470 min Scan# 82

Delta R.T. -0.017 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

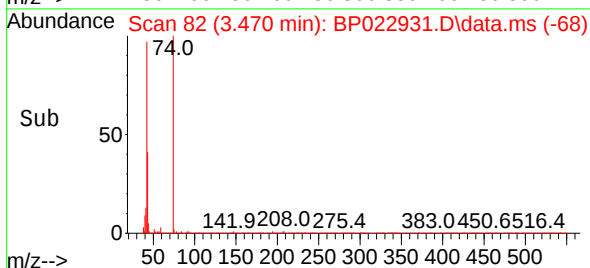
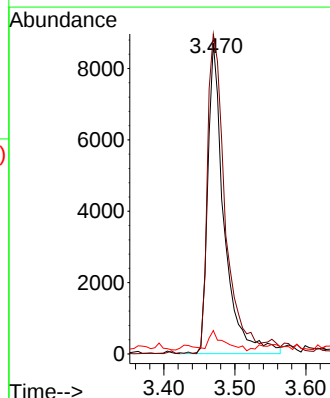
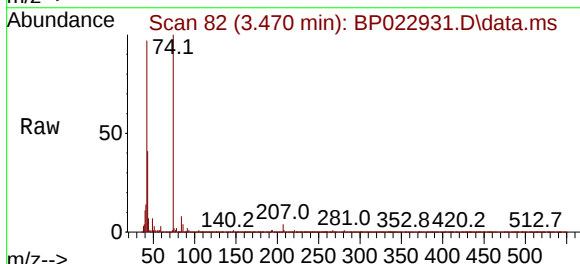
Tgt Ion: 42 Resp: 13871

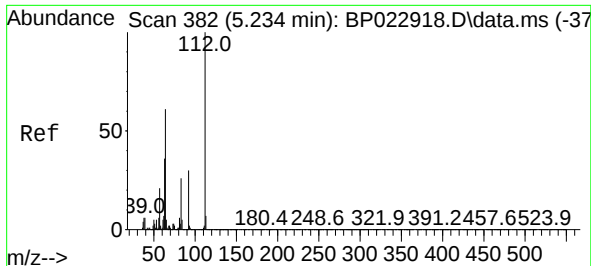
Ion Ratio Lower Upper

42 100

74 102.9 97.7 146.5

44 7.5 4.5 6.7#

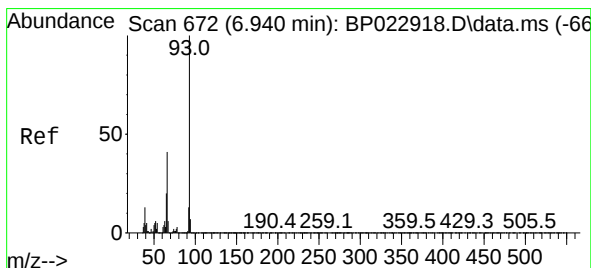
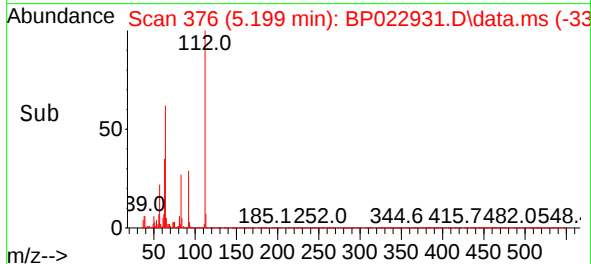
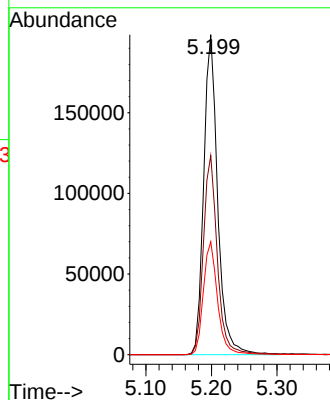
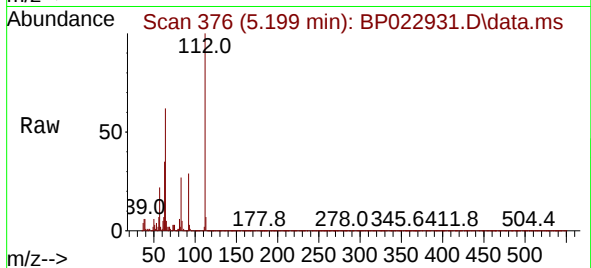




#5
2-Fluorophenol
Concen: 104.346 ng
RT: 5.199 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

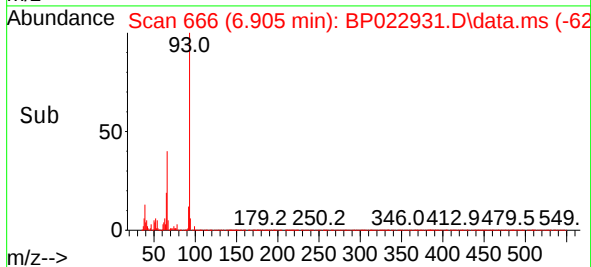
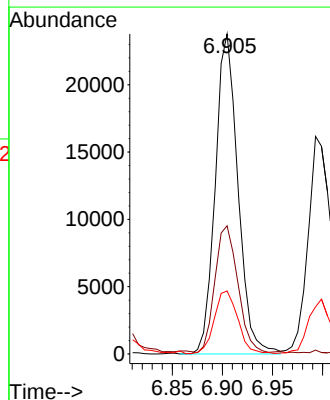
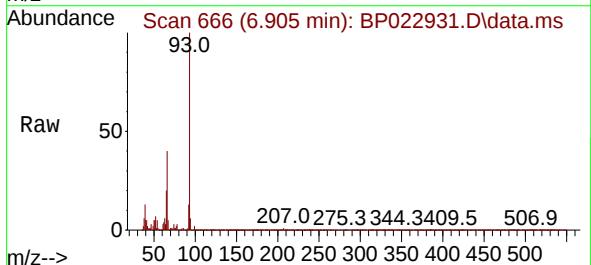
Instrument :
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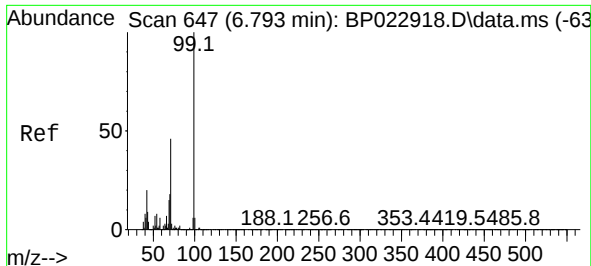
Tgt Ion:112 Resp: 295223
Ion Ratio Lower Upper
112 100
64 62.2 48.7 73.1
63 35.3 29.0 43.4



#6
Aniline
Concen: 11.329 ng
RT: 6.905 min Scan# 666
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion: 93 Resp: 37264
Ion Ratio Lower Upper
93 100
66 40.0 32.9 49.3
65 19.7 16.0 24.0

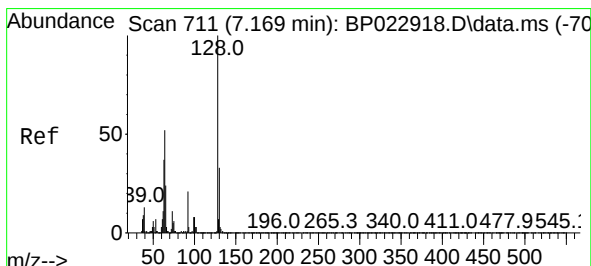
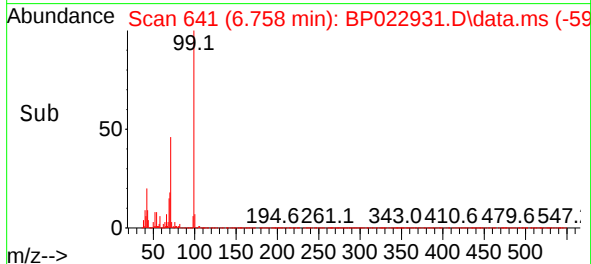
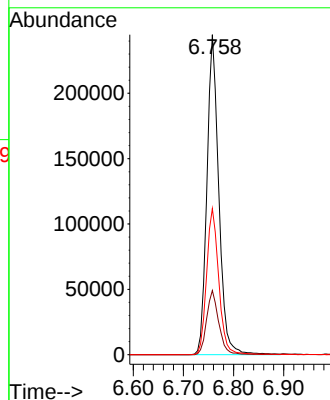
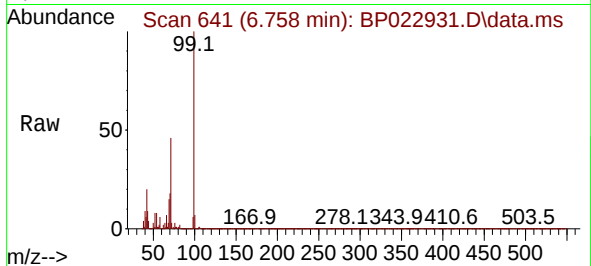




#7
Phenol-d6
Concen: 102.258 ng
RT: 6.758 min Scan# 647
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

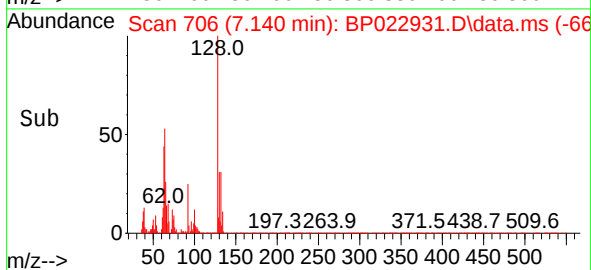
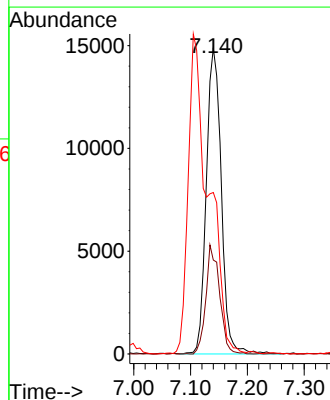
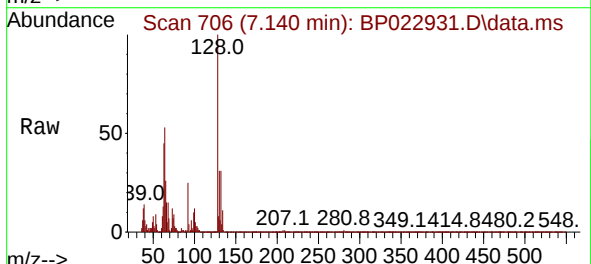
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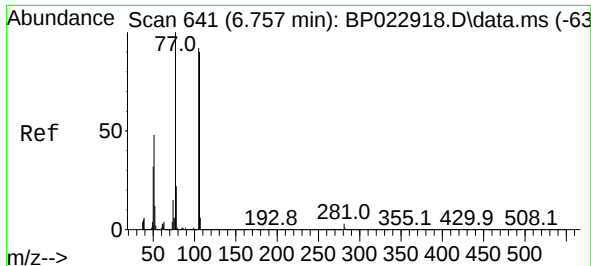
Tgt Ion: 99 Resp: 403470
Ion Ratio Lower Upper
99 100
42 20.0 15.8 23.6
71 45.6 36.6 55.0



#8
2-Chlorophenol
Concen: 9.142 ng
RT: 7.140 min Scan# 706
Delta R.T. -0.029 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion: 128 Resp: 27111
Ion Ratio Lower Upper
128 100
130 30.7 12.6 52.6
64 52.8 32.7 72.7





#9

Benzaldehyde

Concen: 12.479 ng

RT: 6.728 min Scan# 641

Delta R.T. -0.029 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

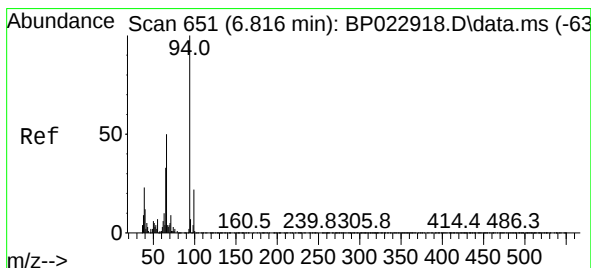
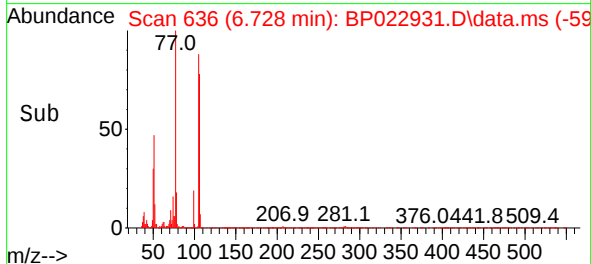
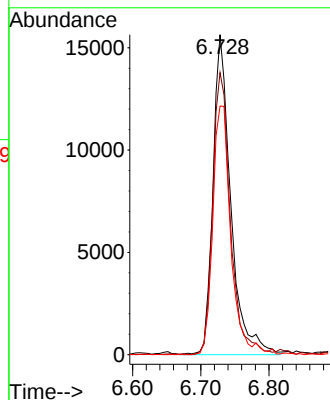
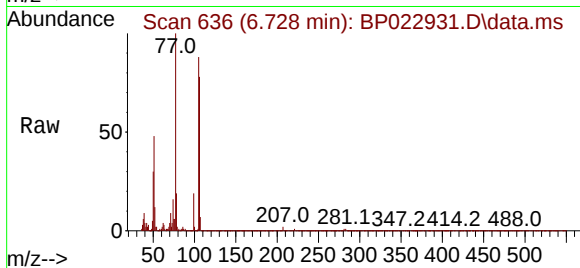
Tgt Ion: 77 Resp: 28456

Ion Ratio Lower Upper

77 100

105 88.2 71.4 111.4

106 77.7 69.9 109.9



#10

Phenol

Concen: 8.952 ng

RT: 6.781 min Scan# 645

Delta R.T. -0.035 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

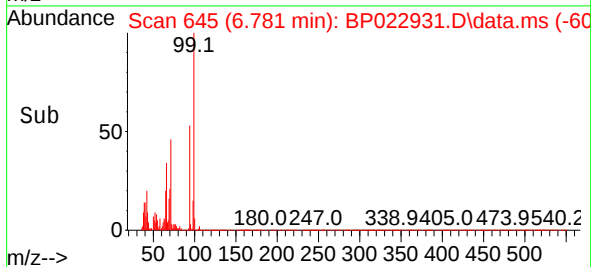
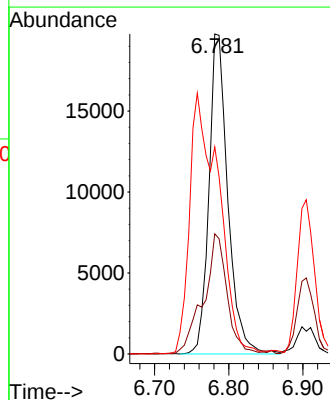
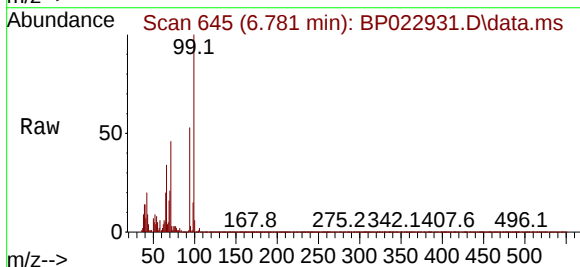
Tgt Ion: 94 Resp: 34982

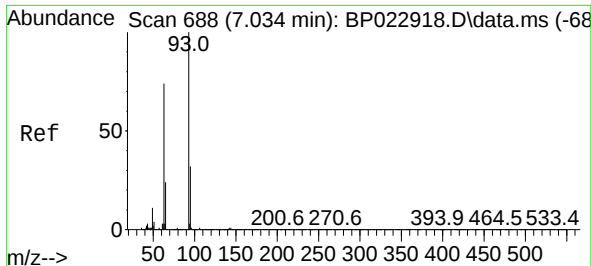
Ion Ratio Lower Upper

94 100

65 37.5 12.9 52.9

66 64.7 30.0 70.0

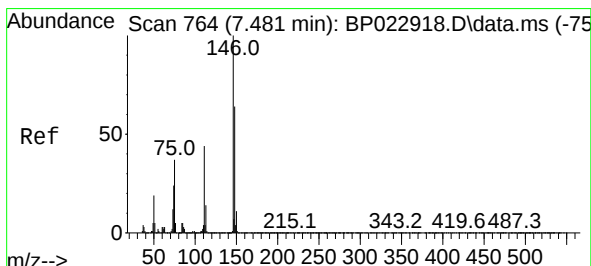
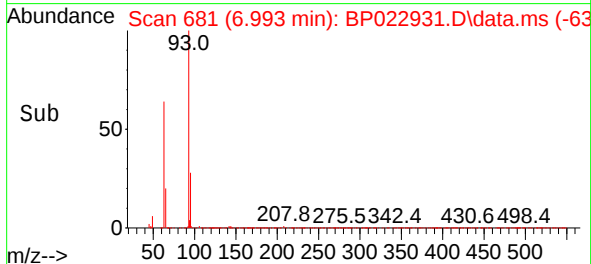
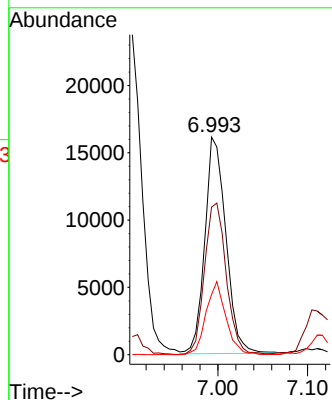
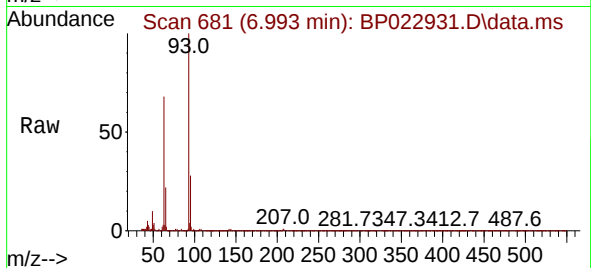




#11
bis(2-Chloroethyl)ether
Concen: 8.913 ng
RT: 6.993 min Scan# 61
Delta R.T. -0.041 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

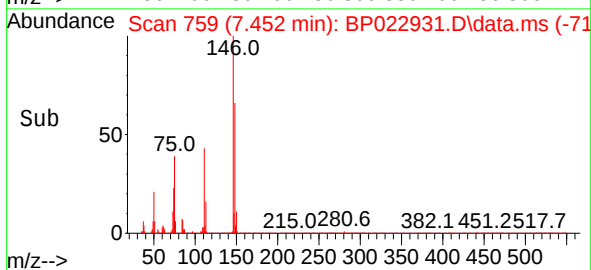
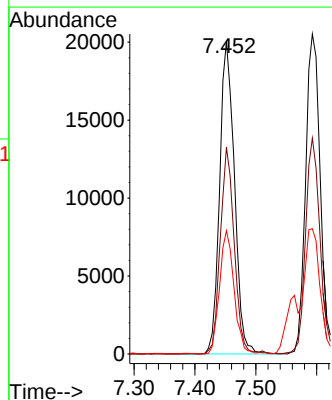
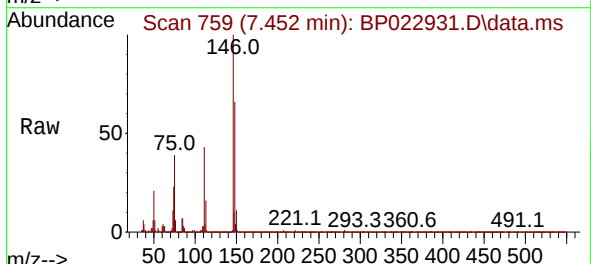
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

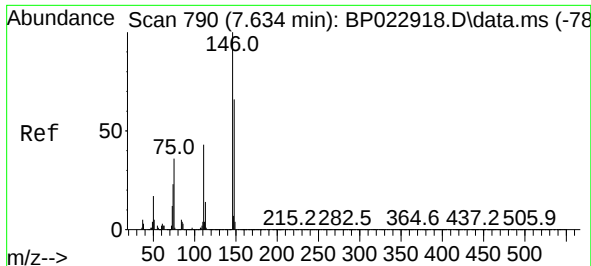
Tgt Ion: 93	Resp: 26314
Ion Ratio	Lower Upper
93 100	
63 67.8	53.6 93.6
95 27.7	12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 8.932 ng
RT: 7.452 min Scan# 759
Delta R.T. -0.029 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt	Ion:146	Resp:	33803
Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.4	77.0
75	39.4	29.3	43.9

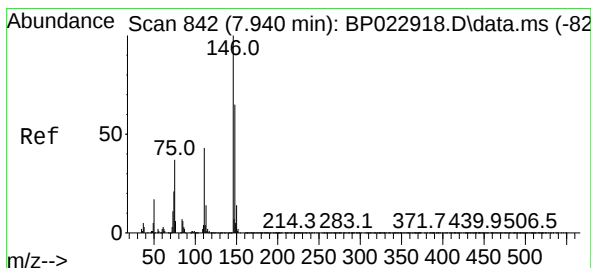
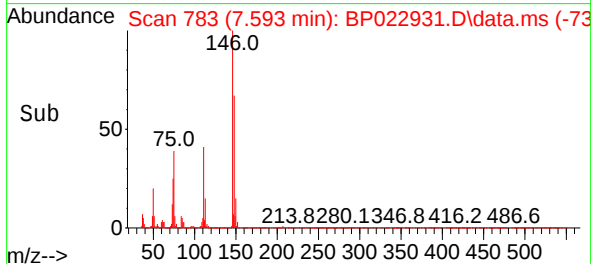
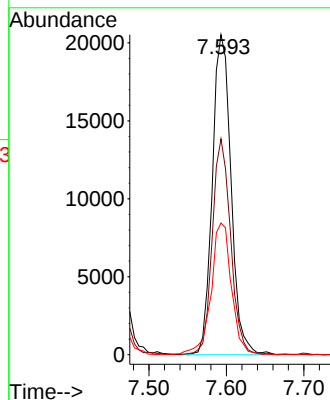
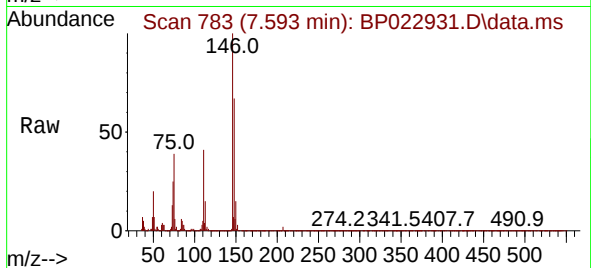




#13
1,4-Dichlorobenzene
Concen: 8.896 ng
RT: 7.593 min Scan# 71
Delta R.T. -0.041 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

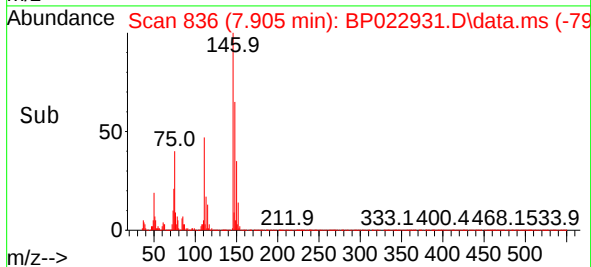
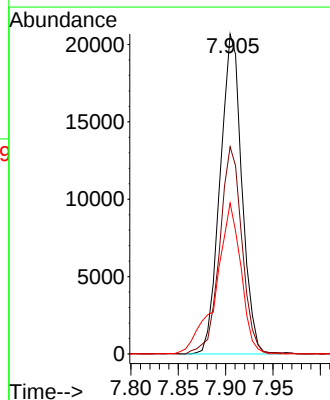
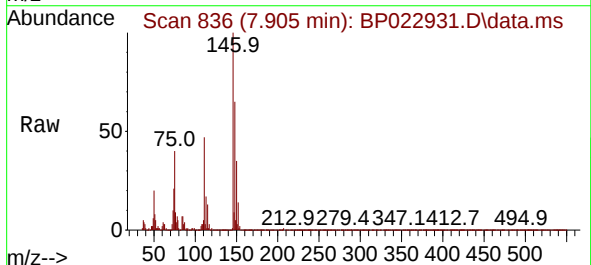
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

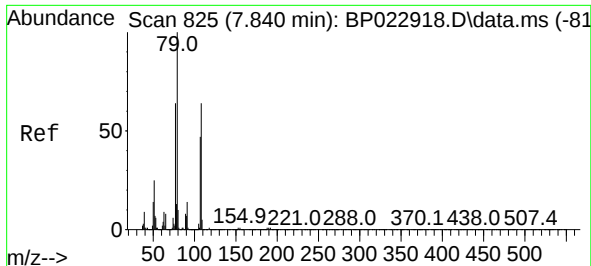
Tgt Ion:146 Resp: 34380
Ion Ratio Lower Upper
146 100
148 67.4 53.2 79.8
111 41.1 35.0 52.4



#14
1,2-Dichlorobenzene
Concen: 8.830 ng
RT: 7.905 min Scan# 836
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:146 Resp: 32993
Ion Ratio Lower Upper
146 100
148 64.8 52.4 78.6
111 47.2 34.2 51.4





#15

Benzyl Alcohol

Concen: 7.417 ng

RT: 7.816 min Scan# 81

Delta R.T. -0.023 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

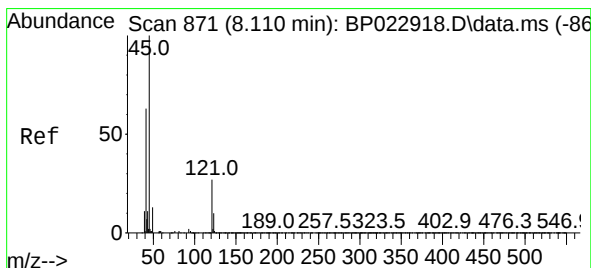
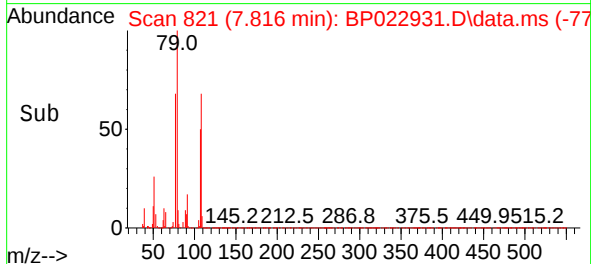
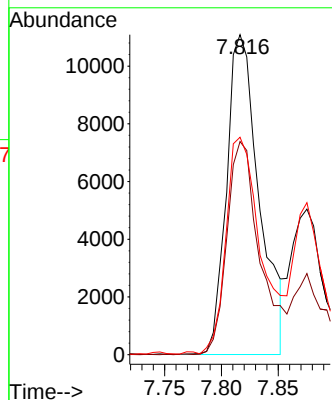
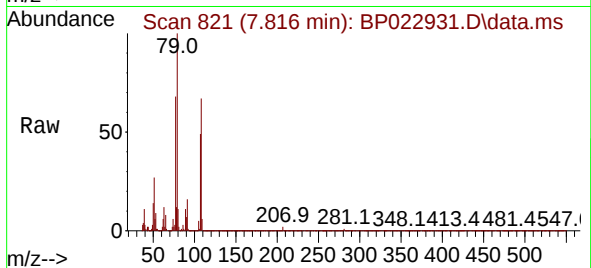
Tgt Ion: 79 Resp: 22167

Ion Ratio Lower Upper

79 100

108 66.6 51.2 76.8

77 67.9 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.395 ng

RT: 8.063 min Scan# 863

Delta R.T. -0.047 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

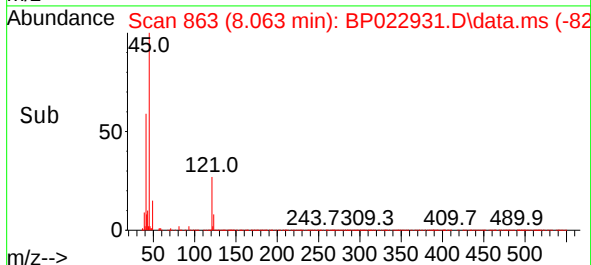
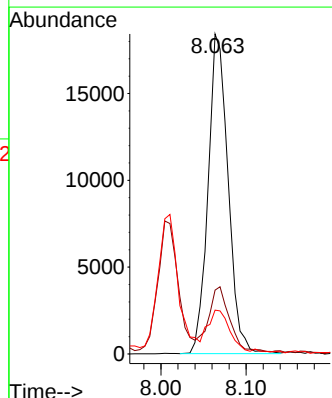
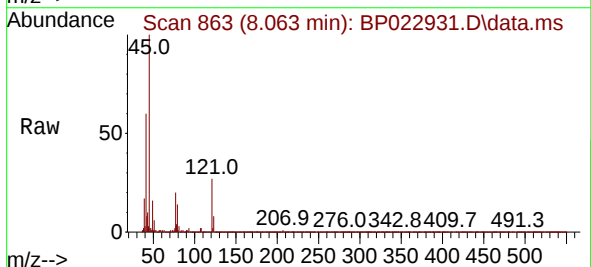
Tgt Ion: 45 Resp: 30092

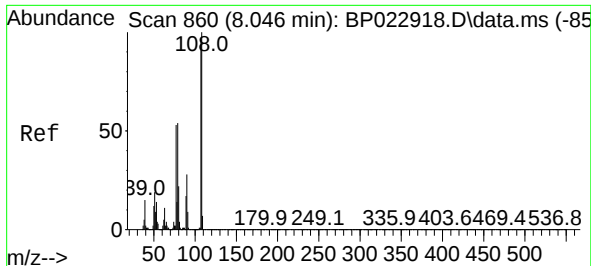
Ion Ratio Lower Upper

45 100

77 19.9 0.0 39.5

79 13.7 0.0 34.9





#17

2-Methylphenol

Concen: 8.375 ng

RT: 8.011 min Scan# 80

Delta R.T. -0.035 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:107 Resp: 22214

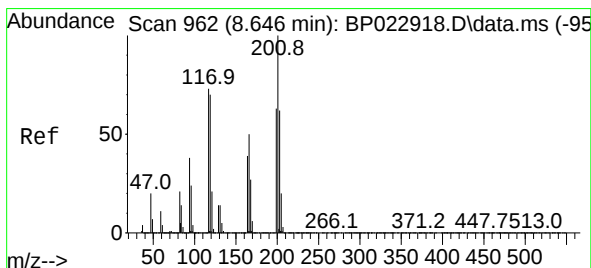
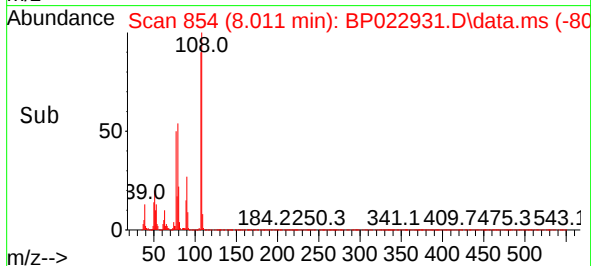
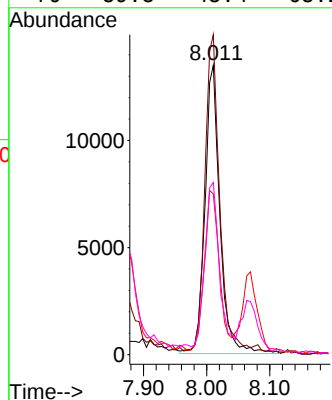
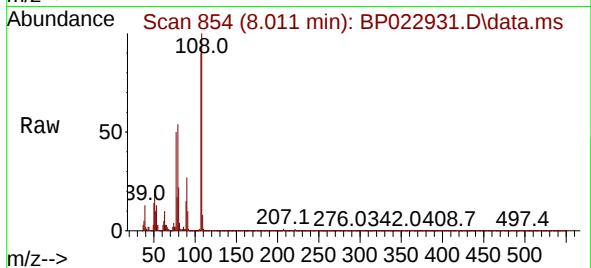
Ion Ratio Lower Upper

107 100

108 110.6 83.7 125.5

77 55.6 45.0 67.4

79 59.5 45.4 68.2



#18

Hexachloroethane

Concen: 8.488 ng

RT: 8.616 min Scan# 957

Delta R.T. -0.029 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

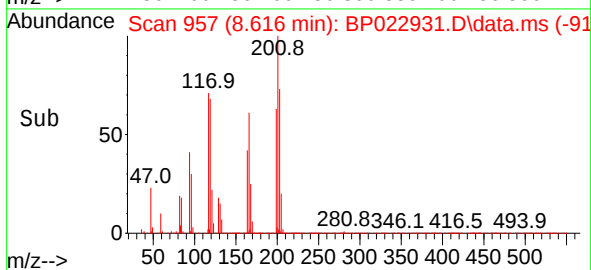
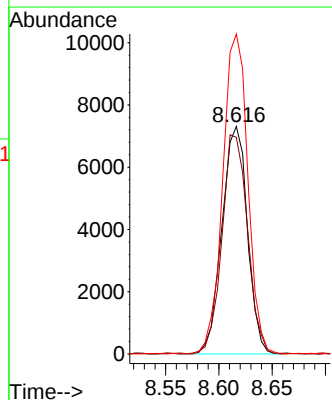
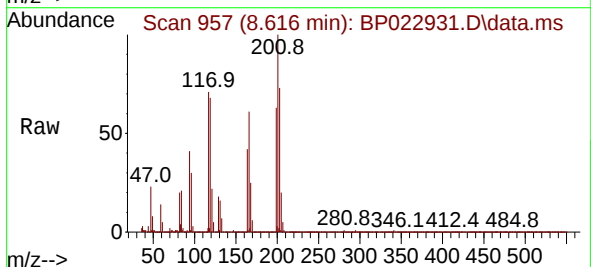
Tgt Ion:117 Resp: 12136

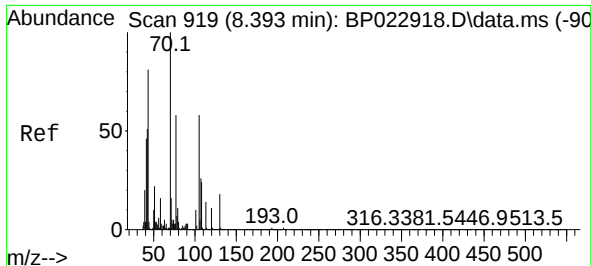
Ion Ratio Lower Upper

117 100

119 95.3 76.7 115.1

201 140.7 110.0 165.0





#19

n-Nitroso-di-n-propylamine

Concen: 8.855 ng

RT: 8.352 min Scan# 91

Delta R.T. -0.041 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 70 Resp: 23914

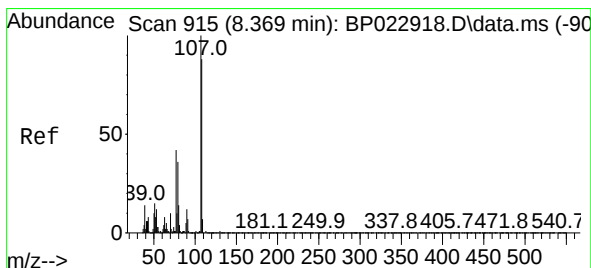
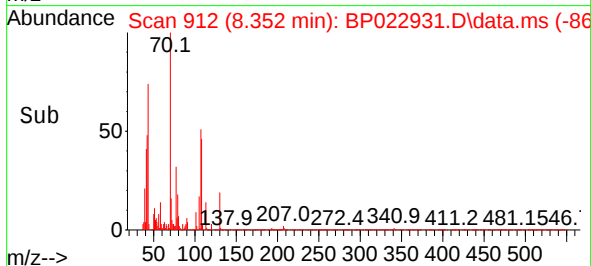
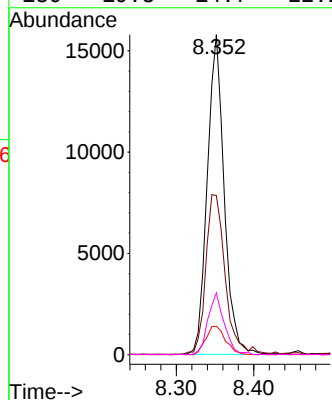
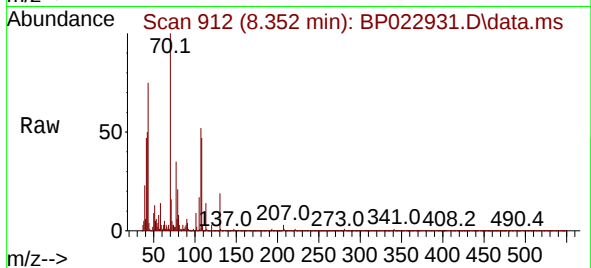
Ion Ratio Lower Upper

70 100

42 49.7 41.0 61.6

101 8.9 7.8 11.6

130 19.3 14.7 22.1



#20

3+4-Methylphenols

Concen: 8.234 ng

RT: 8.340 min Scan# 910

Delta R.T. -0.029 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Tgt Ion:107 Resp: 30524

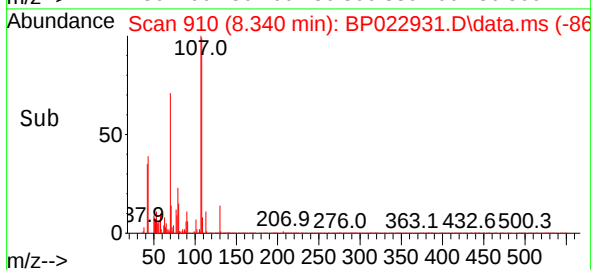
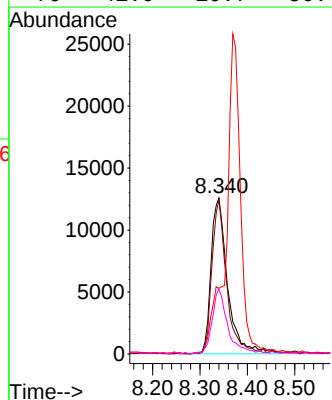
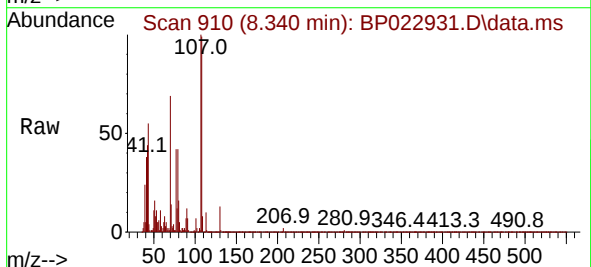
Ion Ratio Lower Upper

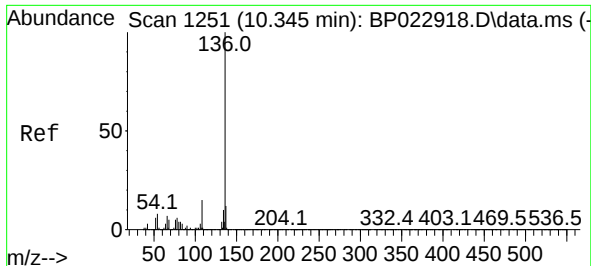
107 100

108 98.8 67.6 107.6

77 42.0 22.6 62.6

79 41.9 16.7 56.7

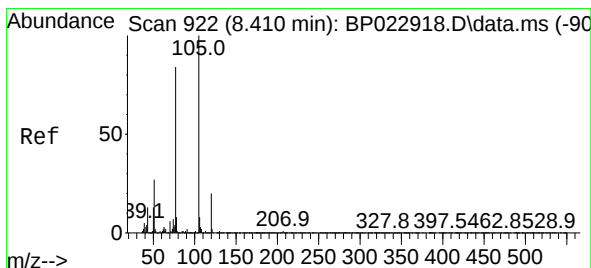
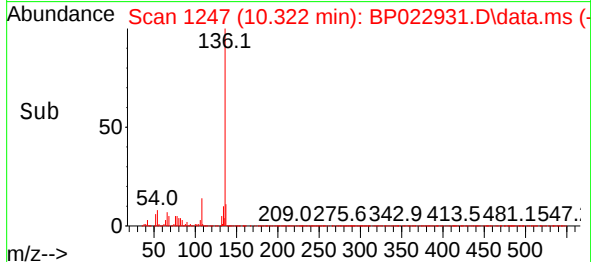
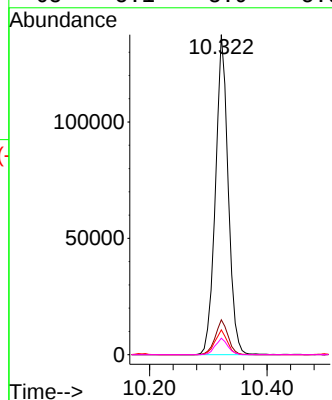
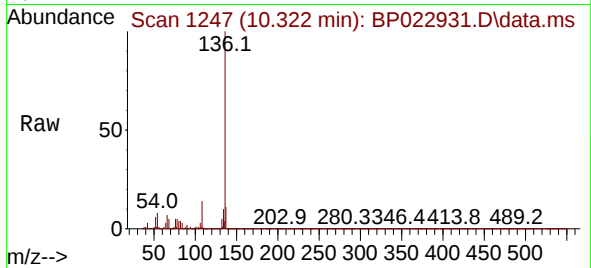




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

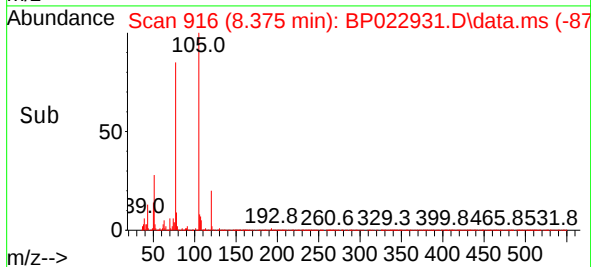
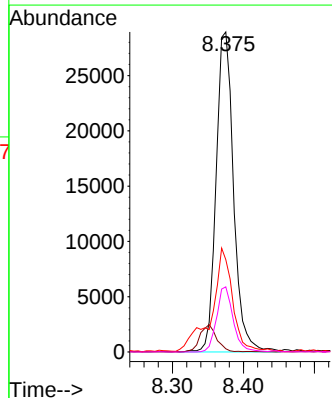
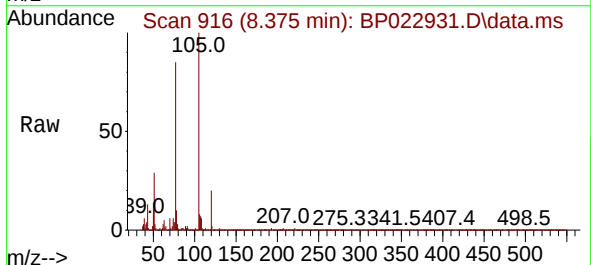
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

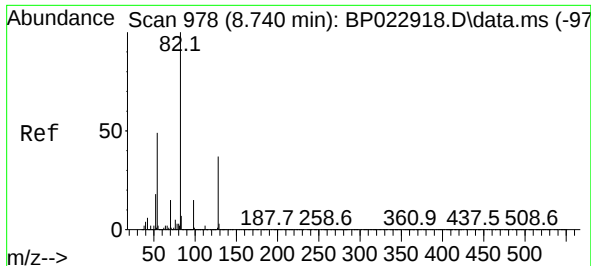
Tgt Ion:	136	Resp:	206593
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.0
54	7.8	6.4	9.6
68	5.1	3.9	5.9



#22
Acetophenone
Concen: 8.971 ng
RT: 8.375 min Scan# 916
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:	105	Resp:	49334
Ion	Ratio	Lower	Upper
105	100		
71	1.0	0.7	1.1
51	28.8	21.7	32.5
120	20.3	16.4	24.6





#23

Nitrobenzene-d5

Concen: 72.908 ng

RT: 8.705 min Scan# 91

Delta R.T. -0.035 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

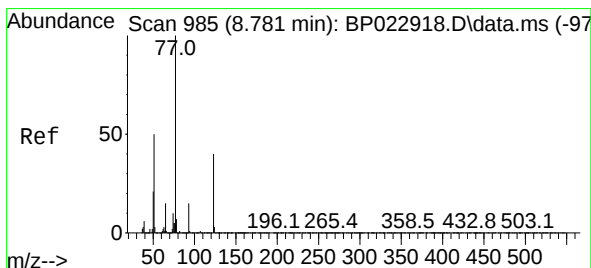
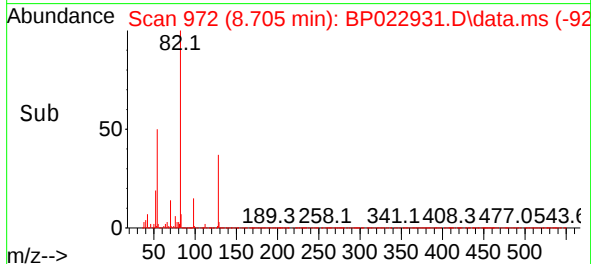
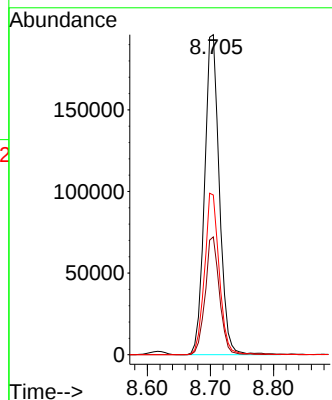
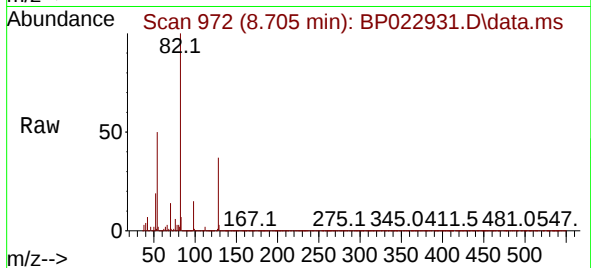
Tgt Ion: 82 Resp: 318819

Ion Ratio Lower Upper

82 100

128 36.8 29.8 44.8

54 49.9 39.0 58.4



#24

Nitrobenzene

Concen: 8.794 ng

RT: 8.740 min Scan# 978

Delta R.T. -0.041 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

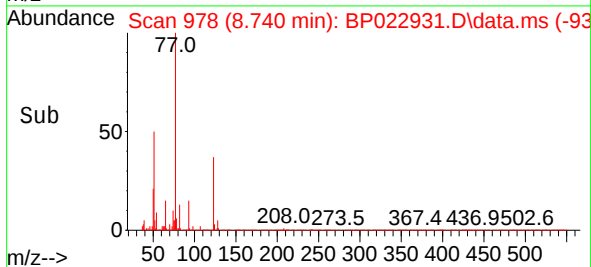
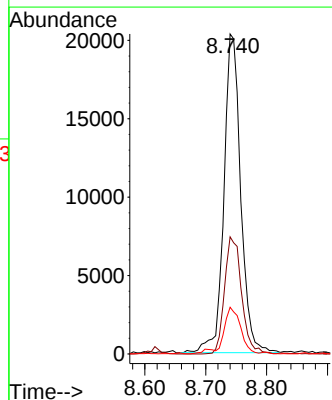
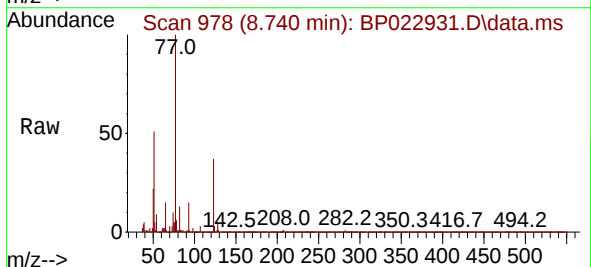
Tgt Ion: 77 Resp: 39061

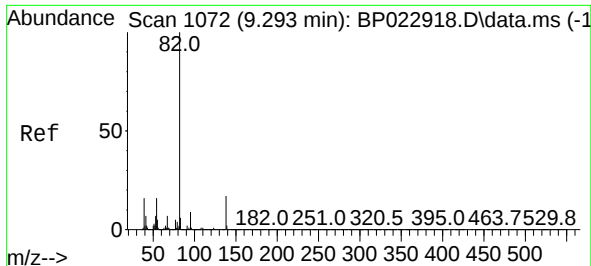
Ion Ratio Lower Upper

77 100

123 36.6 32.2 48.4

65 14.6 11.7 17.5

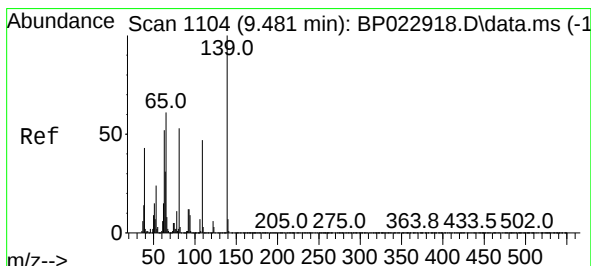
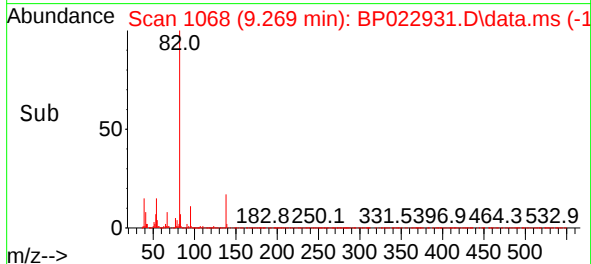
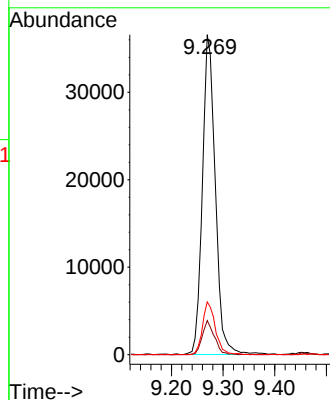
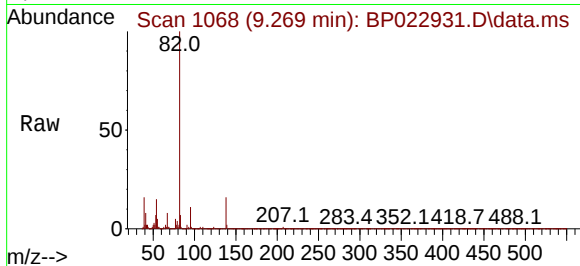




#25
Isophorone
Concen: 8.588 ng
RT: 9.269 min Scan# 1068
Delta R.T. -0.023 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

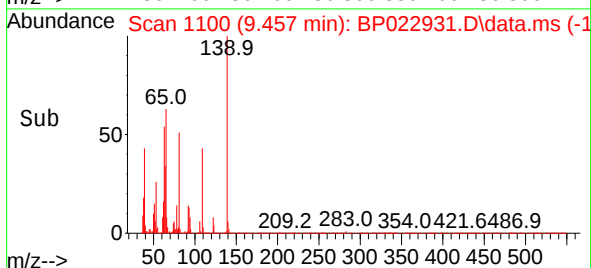
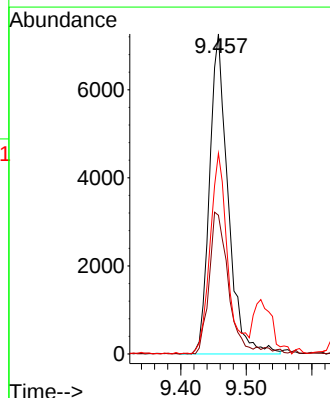
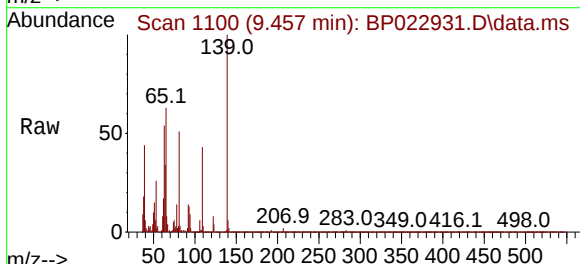
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

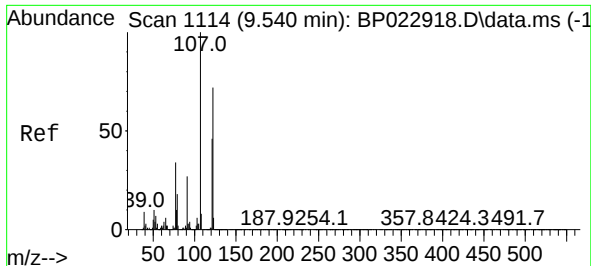
Tgt Ion: 82 Resp: 63559
Ion Ratio Lower Upper
82 100
95 10.6 7.4 11.2
138 16.5 13.7 20.5



#26
2-Nitrophenol
Concen: 7.786 ng
RT: 9.457 min Scan# 1100
Delta R.T. -0.023 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion: 139 Resp: 14203
Ion Ratio Lower Upper
139 100
109 43.4 37.8 56.8
65 62.7 48.6 73.0

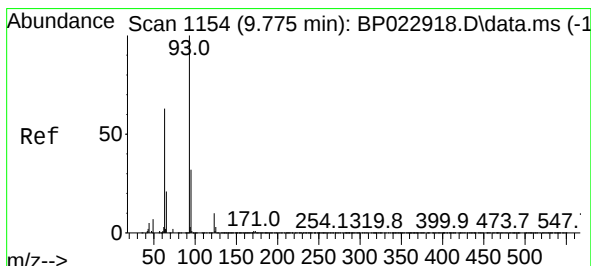
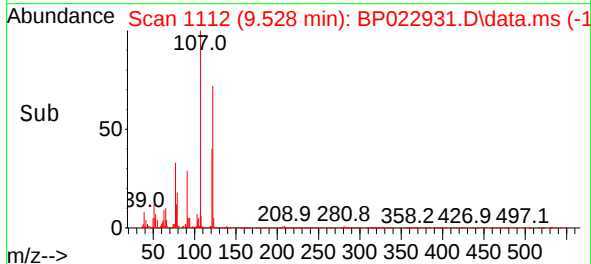
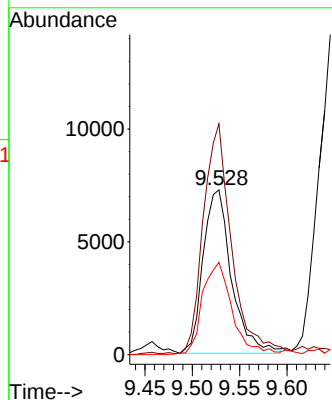
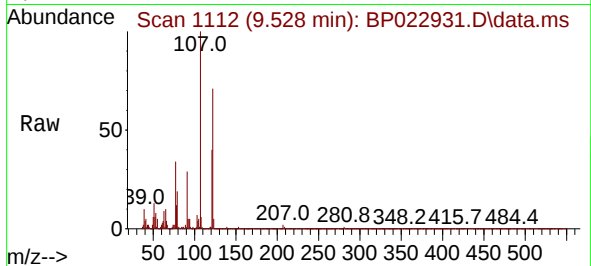




#27
2,4-Dimethylphenol
Concen: 7.253 ng
RT: 9.528 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

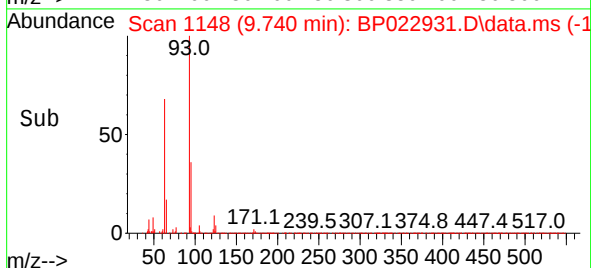
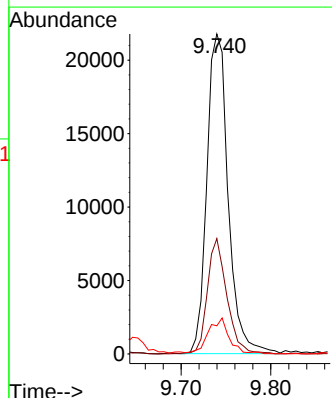
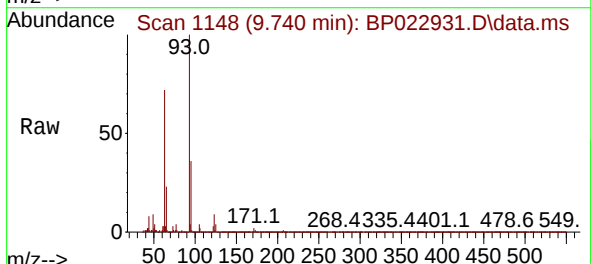
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

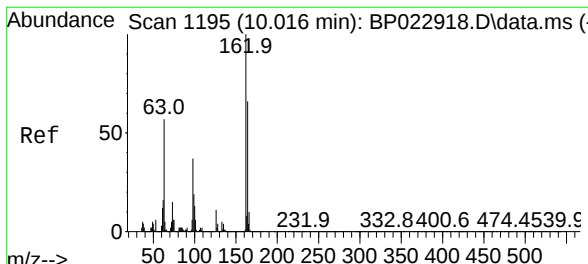
Tgt Ion:122 Resp: 15106
Ion Ratio Lower Upper
122 100
107 140.1 109.8 164.6
121 56.0 50.5 75.7



#28
bis(2-Chloroethoxy)methane
Concen: 8.549 ng
RT: 9.740 min Scan# 1148
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion: 93 Resp: 35938
Ion Ratio Lower Upper
93 100
95 36.0 25.4 38.2
123 8.8 8.6 13.0

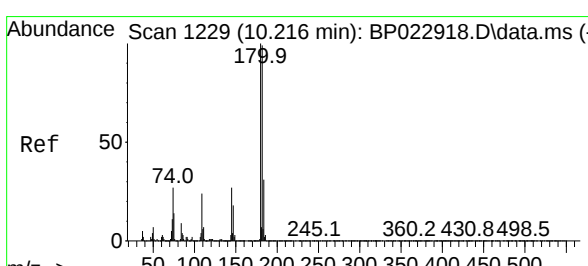
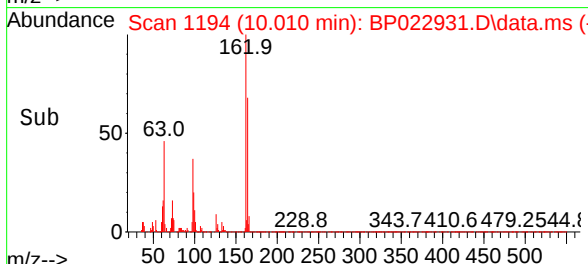
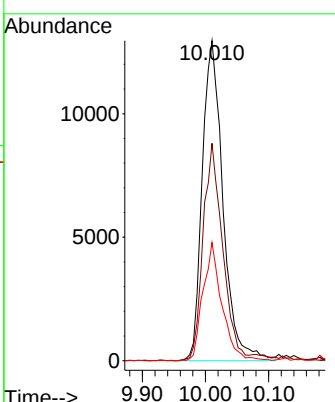
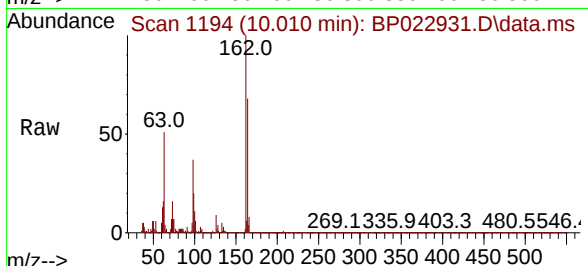




#29
2,4-Dichlorophenol
Concen: 8.188 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

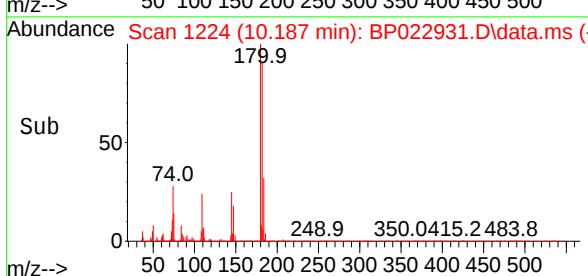
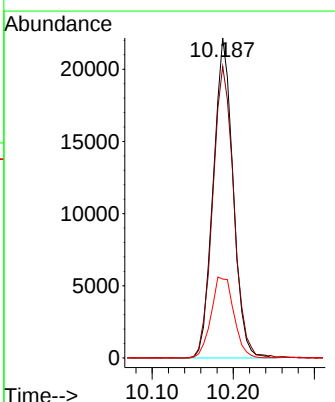
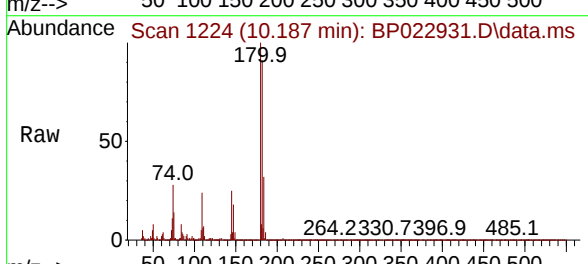
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

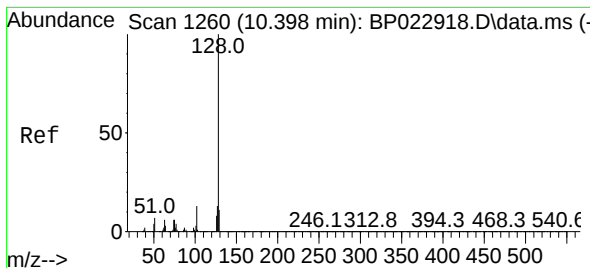
Tgt Ion:	162	Resp:	29519
Ion Ratio	Lower	Upper	
162	100		
164	68.0	46.0	86.0
98	36.9	16.7	56.7



#30
1,2,4-Trichlorobenzene
Concen: 8.188 ng
RT: 10.187 min Scan# 1224
Delta R.T. -0.029 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:	180	Resp:	37740
Ion Ratio	Lower	Upper	
180	100		
182	91.1	79.4	119.2
145	24.7	21.6	32.4





#31

Naphthalene

Concen: 8.404 ng

RT: 10.369 min Scan# 1132

Delta R.T. -0.029 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

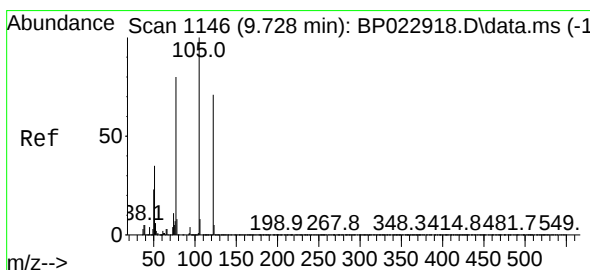
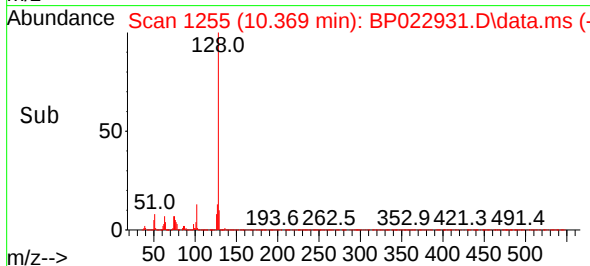
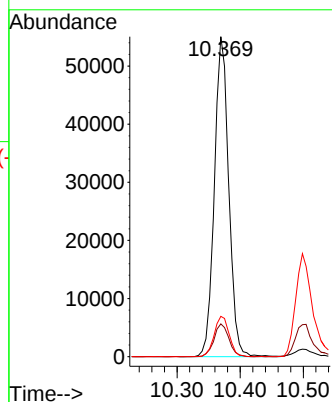
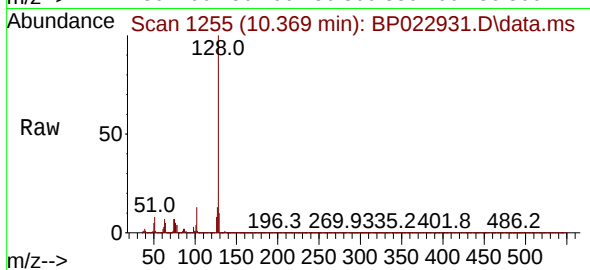
Tgt Ion:128 Resp: 86997

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 12.6 10.6 16.0



#32

Benzoic acid

Concen: 11.269 ng

RT: 9.646 min Scan# 1132

Delta R.T. -0.082 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

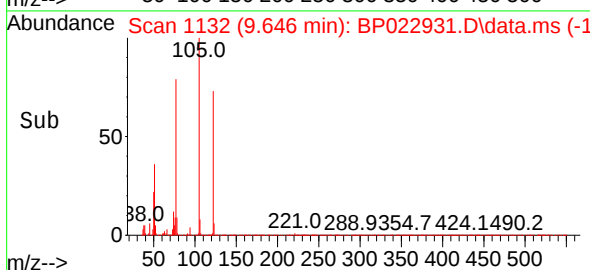
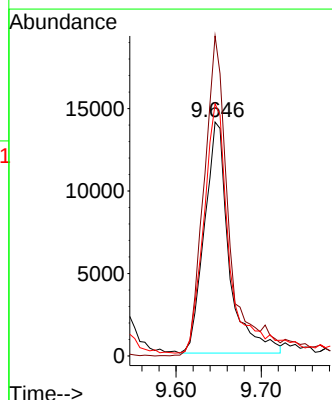
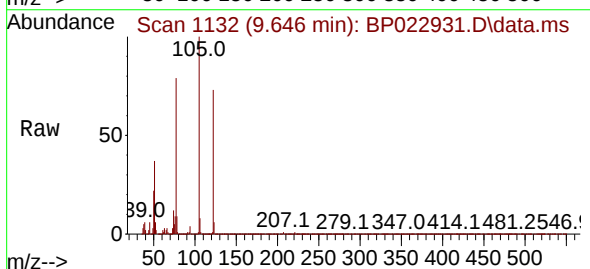
Tgt Ion:122 Resp: 28184

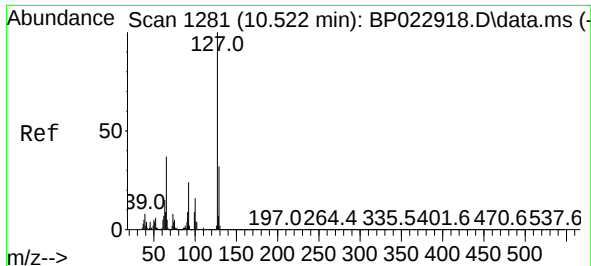
Ion Ratio Lower Upper

122 100

105 136.8 119.9 159.9

77 107.8 92.2 132.2





#33

4-Chloroaniline

Concen: 8.875 ng

RT: 10.499 min Scan# 11

Delta R.T. -0.023 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 32698

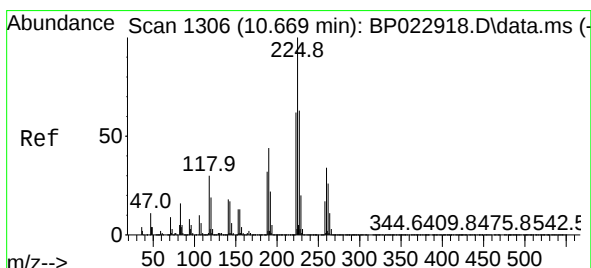
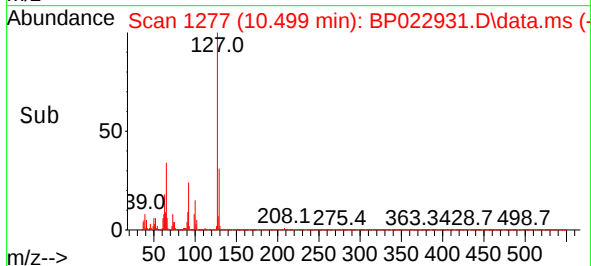
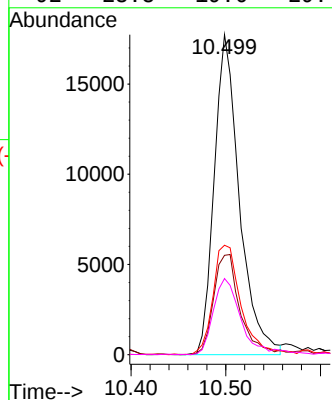
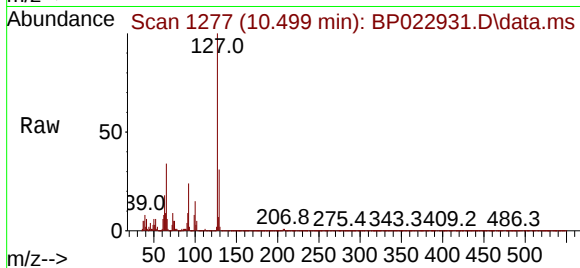
Ion Ratio Lower Upper

127 100

129 31.0 25.2 37.8

65 34.2 29.7 44.5

92 23.8 19.6 29.4



#34

Hexachlorobutadiene

Concen: 8.103 ng

RT: 10.646 min Scan# 1302

Delta R.T. -0.023 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

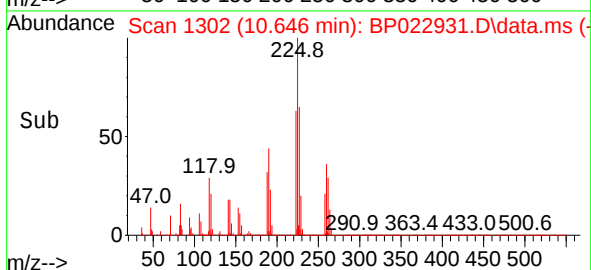
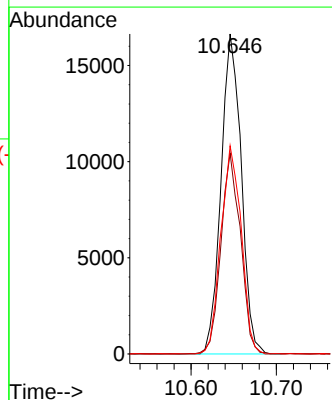
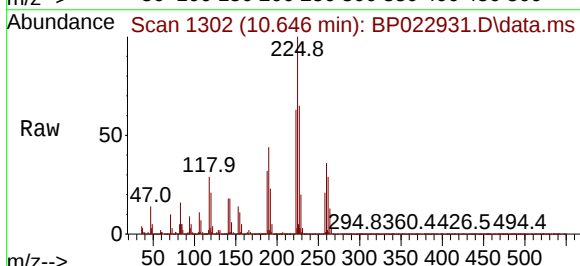
Tgt Ion:225 Resp: 27393

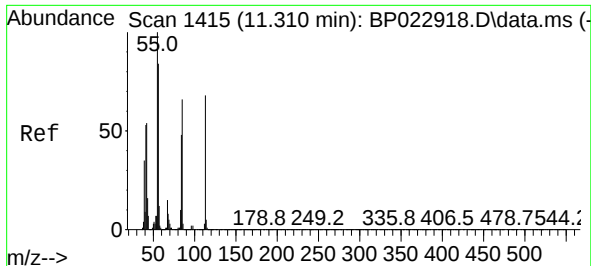
Ion Ratio Lower Upper

225 100

223 62.7 49.8 74.6

227 65.0 50.5 75.7





#35

Caprolactam

Concen: 6.905 ng

RT: 11.281 min Scan# 1410

Delta R.T. -0.029 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

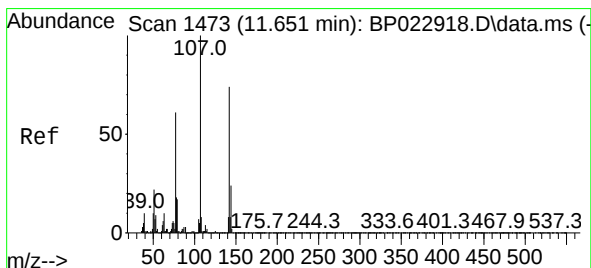
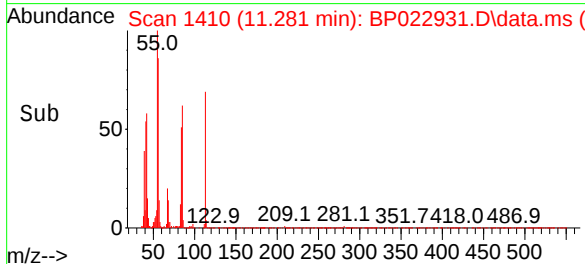
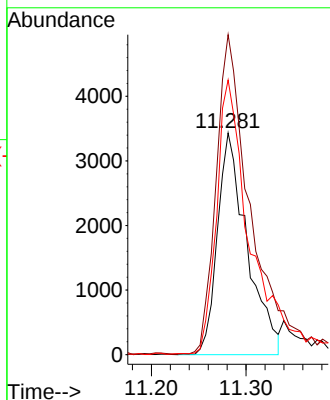
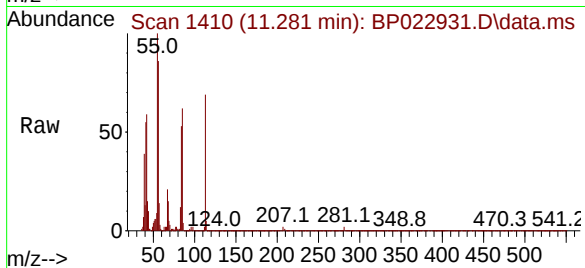
Tgt Ion:113 Resp: 7453

Ion Ratio Lower Upper

113 100

55 144.3 127.4 167.4

56 123.9 103.5 143.5



#36

4-Chloro-3-methylphenol

Concen: 8.050 ng

RT: 11.640 min Scan# 1471

Delta R.T. -0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

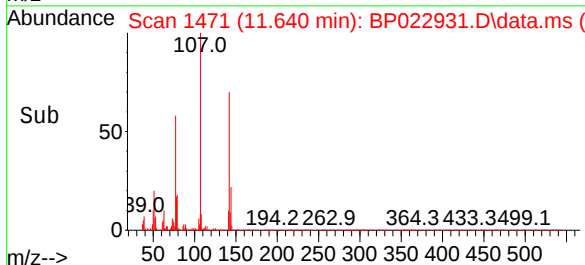
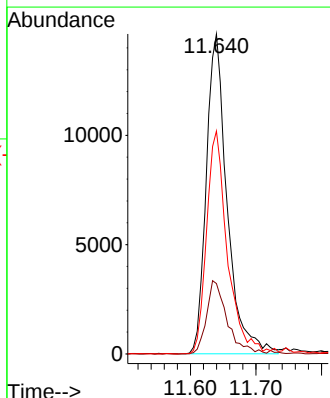
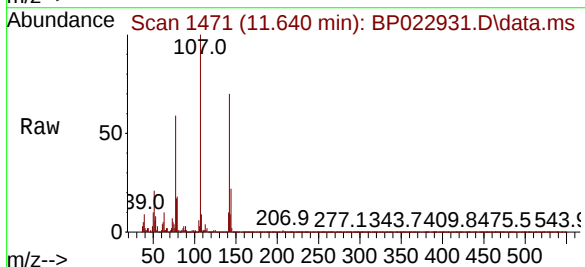
Tgt Ion:107 Resp: 32360

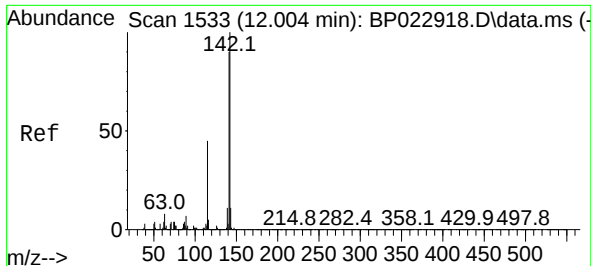
Ion Ratio Lower Upper

107 100

144 22.0 19.4 29.0

142 69.7 59.5 89.3

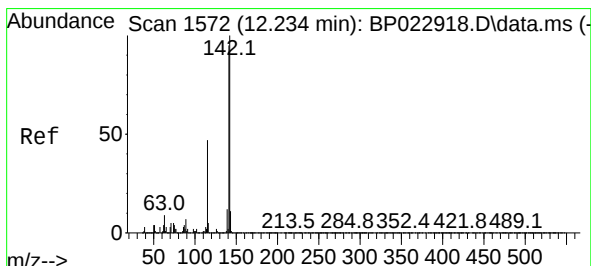
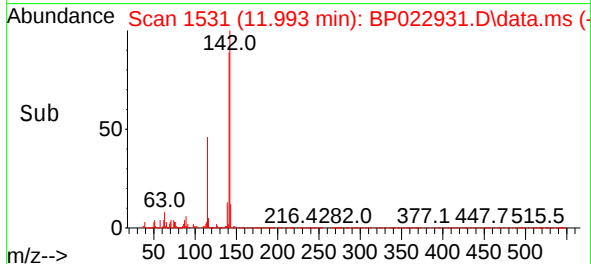
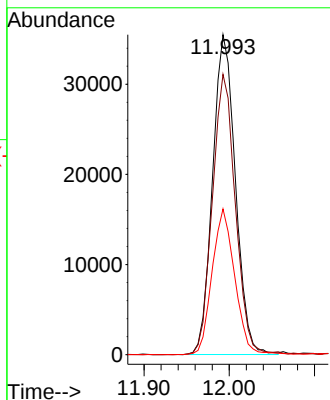
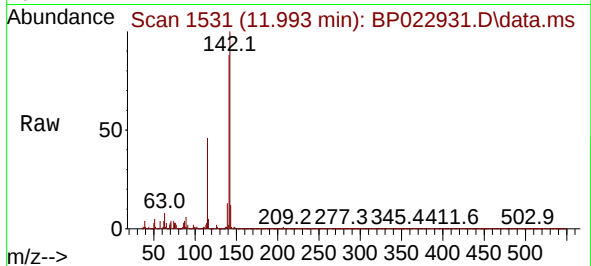




#37
2-Methylnaphthalene
Concen: 8.518 ng
RT: 11.993 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

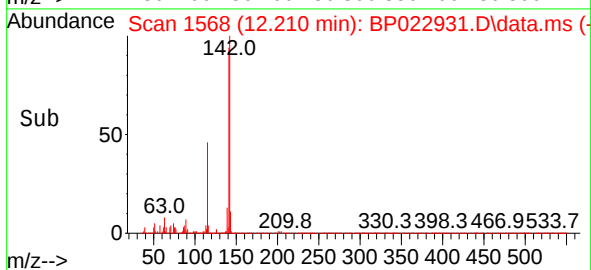
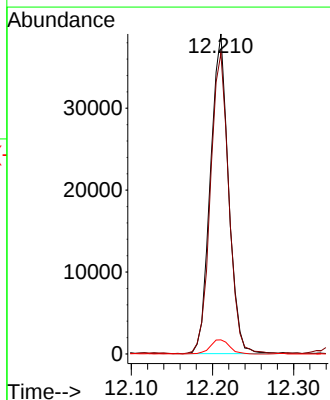
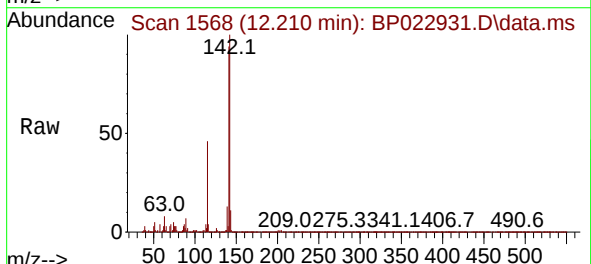
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

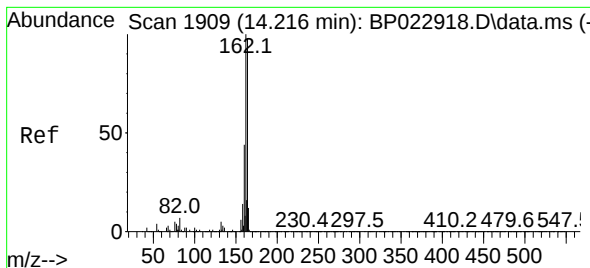
Tgt Ion:142 Resp: 66040
Ion Ratio Lower Upper
142 100
141 87.6 72.2 108.4
115 45.6 35.9 53.9



#38
1-Methylnaphthalene
Concen: 7.857 ng
RT: 12.210 min Scan# 1568
Delta R.T. -0.023 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:142 Resp: 60457
Ion Ratio Lower Upper
142 100
141 93.9 75.8 113.8
116 4.4 3.8 5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.210 min Scan# 1908

Delta R.T. -0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

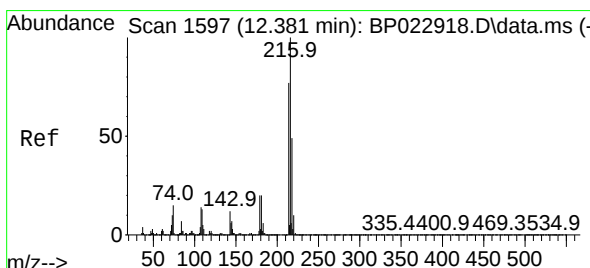
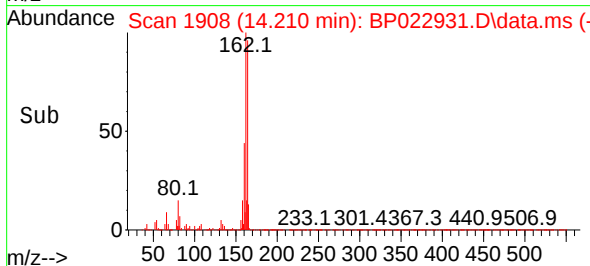
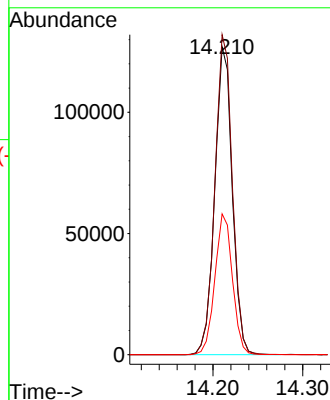
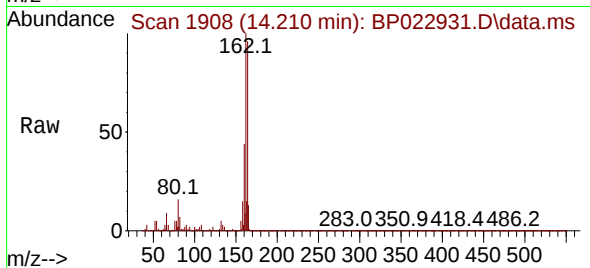
Tgt Ion:164 Resp: 171694

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

160 45.8 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.521 ng

RT: 12.375 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Tgt Ion:216 Resp: 49530

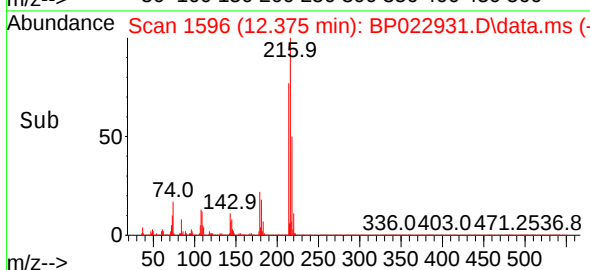
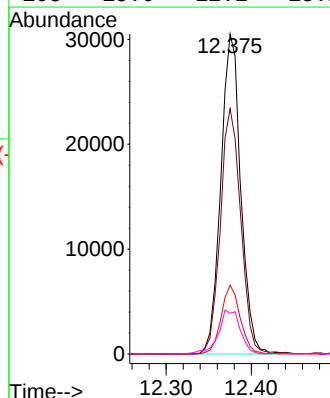
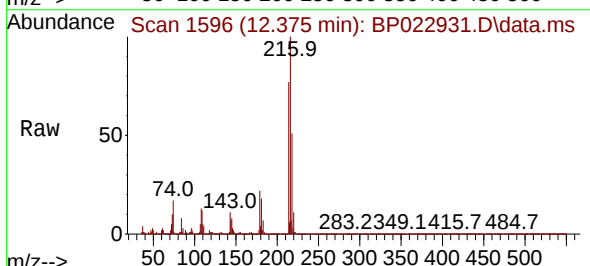
Ion Ratio Lower Upper

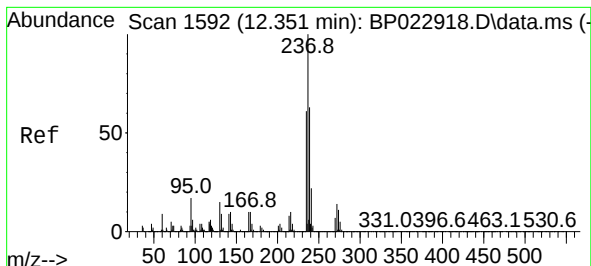
216 100

214 78.4 62.5 93.7

179 20.6 16.5 24.7

108 15.0 12.1 18.1





#41

Hexachlorocyclopentadiene

Concen: 6.770 ng

RT: 12.346 min Scan# 1

Delta R.T. -0.005 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

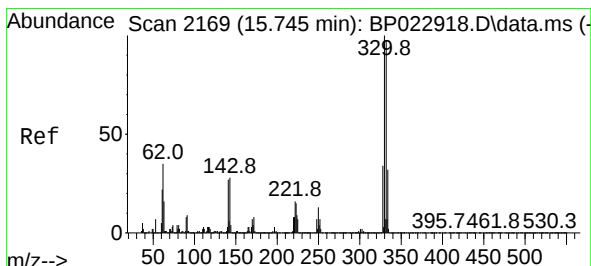
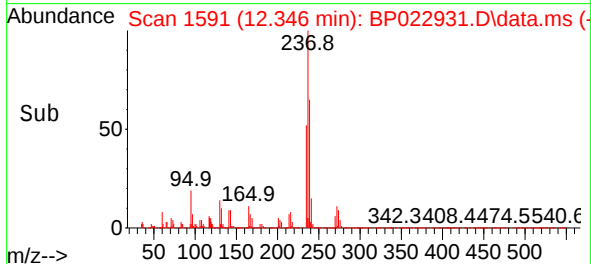
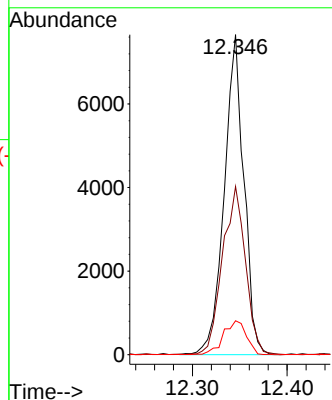
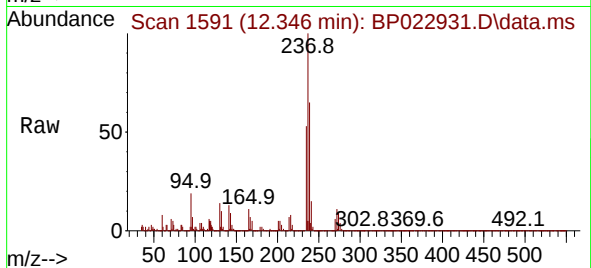
Tgt Ion:237 Resp: 11052

Ion Ratio Lower Upper

237 100

235 52.5 41.2 81.2

272 10.6 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 101.690 ng

RT: 15.728 min Scan# 2166

Delta R.T. -0.017 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

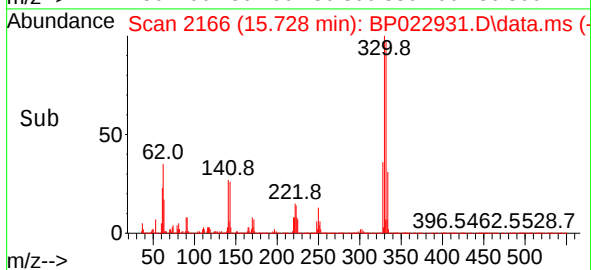
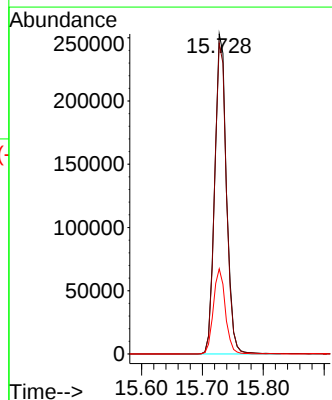
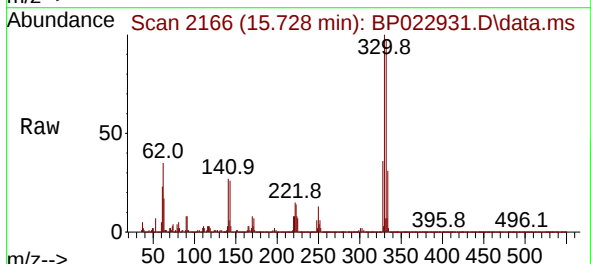
Tgt Ion:330 Resp: 338422

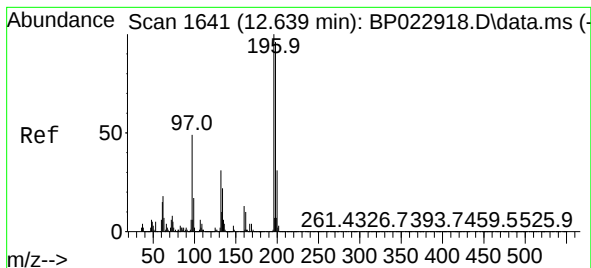
Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

141 27.1 21.6 32.4





#43

2,4,6-Trichlorophenol

Concen: 7.812 ng

RT: 12.628 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

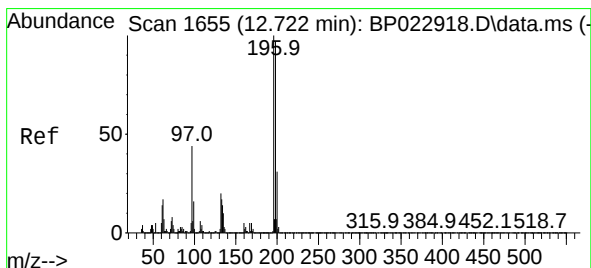
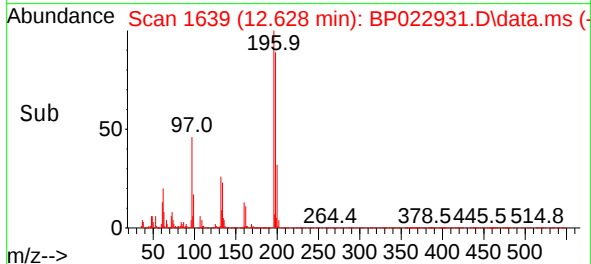
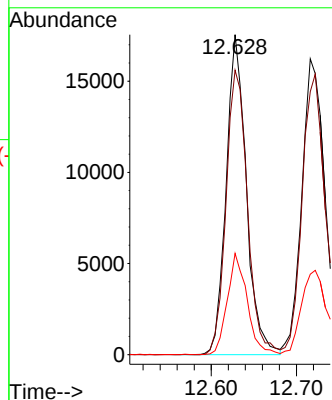
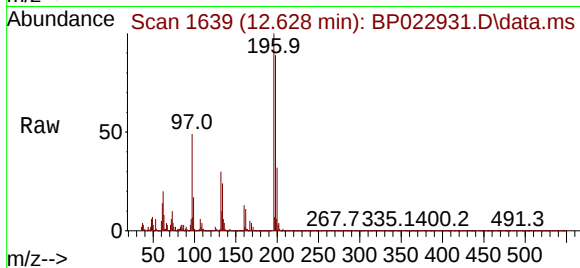
Tgt Ion:196 Resp: 28878

Ion Ratio Lower Upper

196 100

198 88.9 76.5 114.7

200 31.7 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 7.630 ng

RT: 12.716 min Scan# 1654

Delta R.T. -0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Tgt Ion:196 Resp: 32109

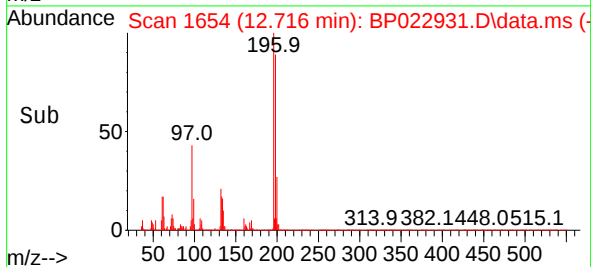
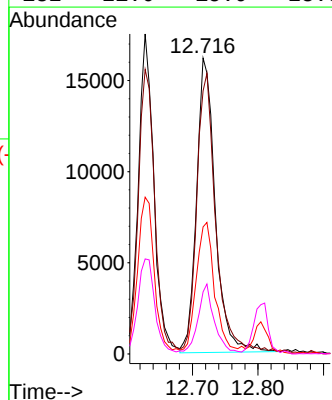
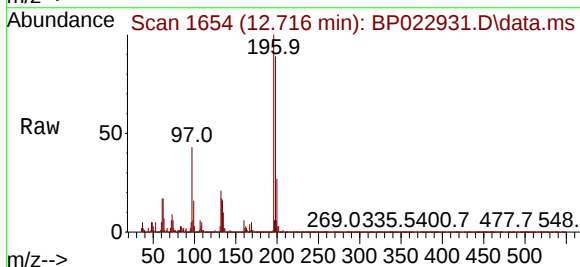
Ion Ratio Lower Upper

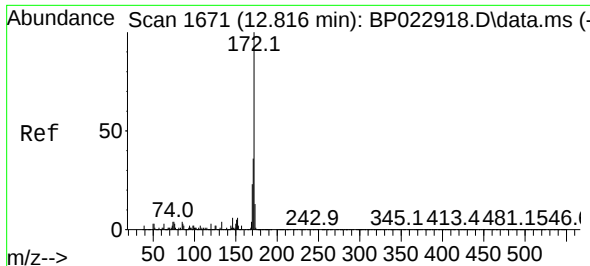
196 100

198 88.9 77.8 116.8

97 42.9 35.2 52.8

132 21.0 15.9 23.9

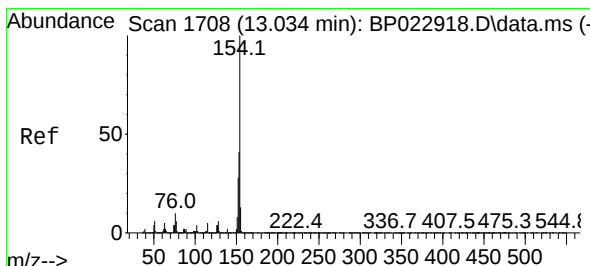
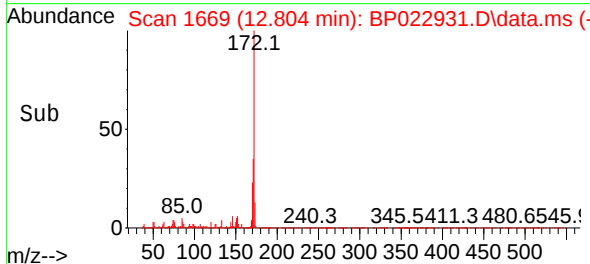
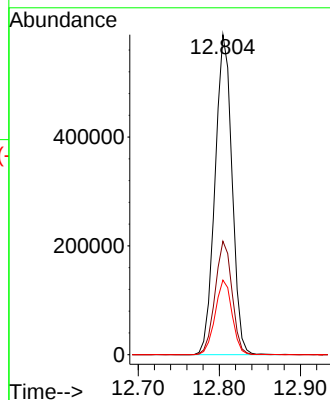
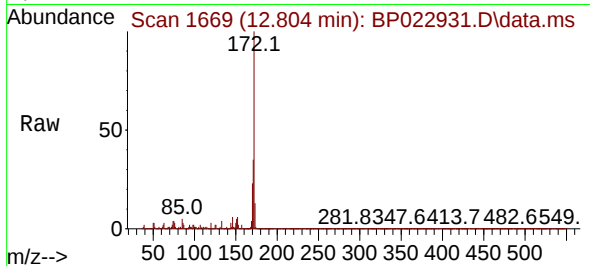




#45
2-Fluorobiphenyl
Concen: 71.225 ng
RT: 12.804 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

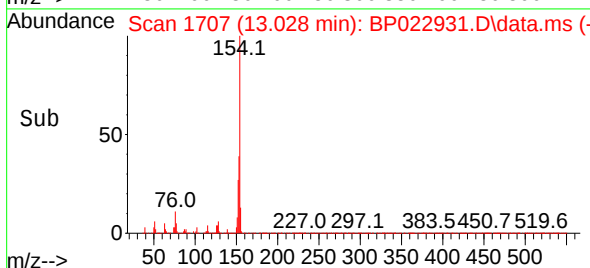
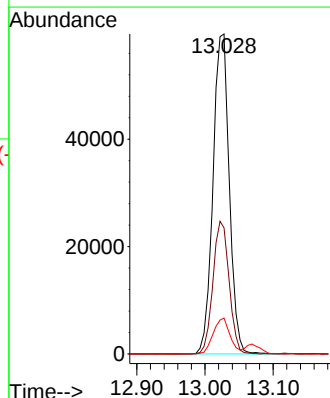
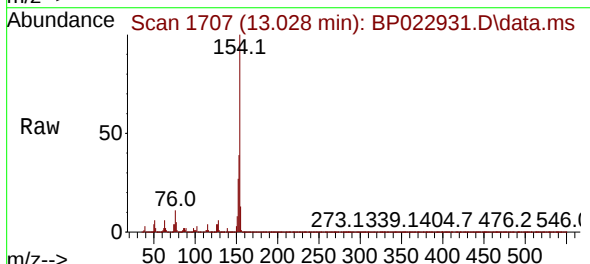
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

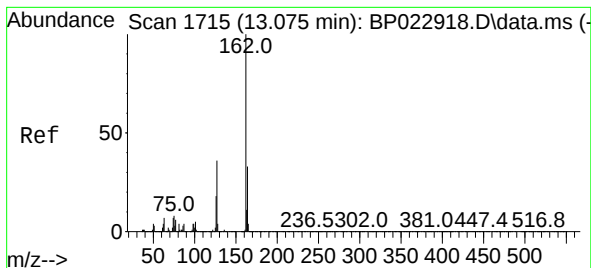
Tgt Ion:172 Resp: 855853
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.3 18.6 27.8



#46
1,1'-Biphenyl
Concen: 8.688 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:154 Resp: 99155
Ion Ratio Lower Upper
154 100
153 39.4 20.6 60.6
76 11.2 0.0 30.5





#47

2-Chloronaphthalene

Concen: 8.133 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

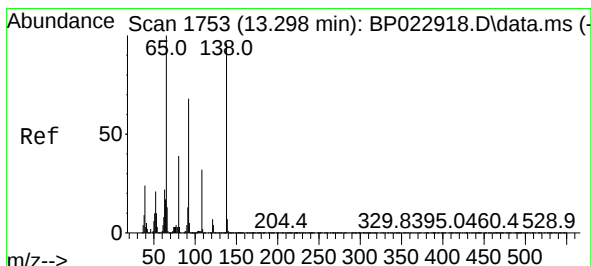
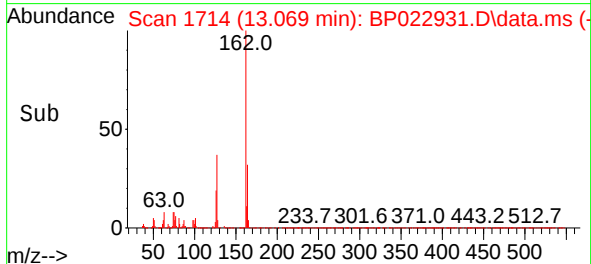
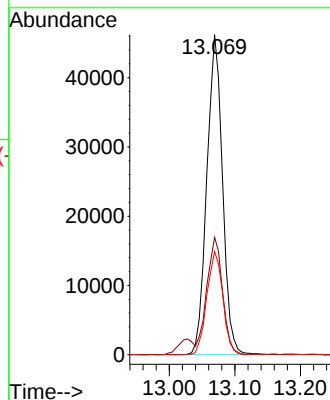
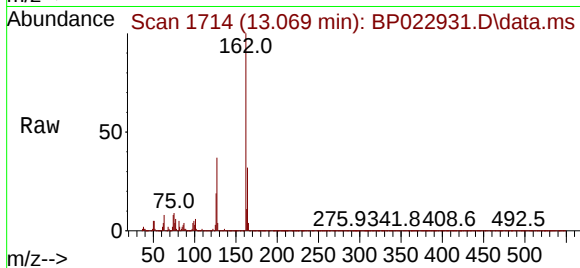
Tgt Ion:162 Resp: 77032

Ion Ratio Lower Upper

162 100

127 36.7 28.6 43.0

164 32.2 26.4 39.6



#48

2-Nitroaniline

Concen: 7.316 ng

RT: 13.287 min Scan# 1751

Delta R.T. -0.011 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

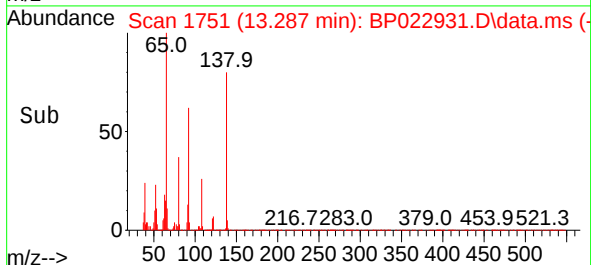
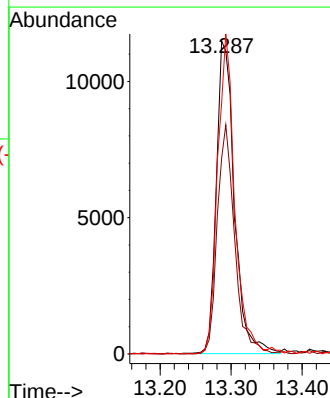
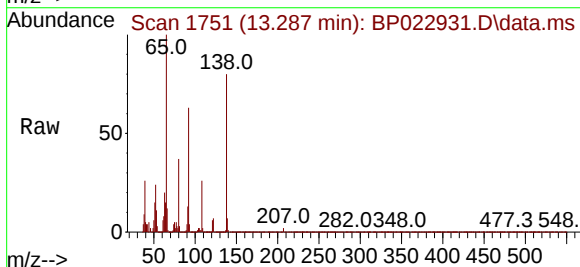
Tgt Ion: 65 Resp: 20188

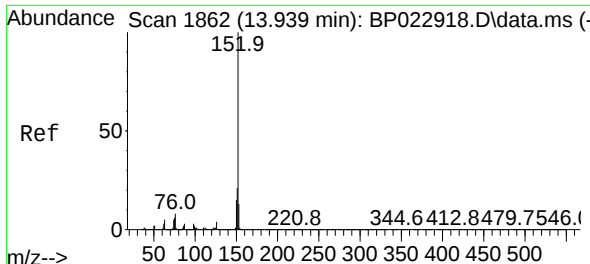
Ion Ratio Lower Upper

65 100

92 62.5 54.4 81.6

138 80.3 76.5 114.7

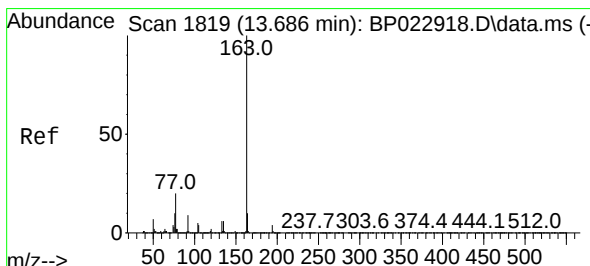
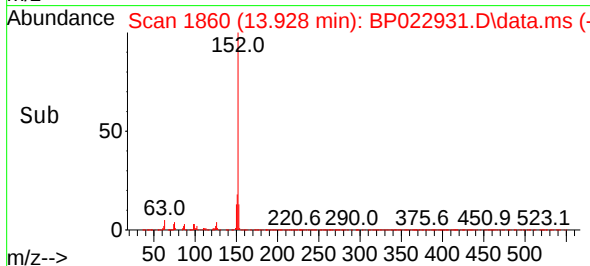
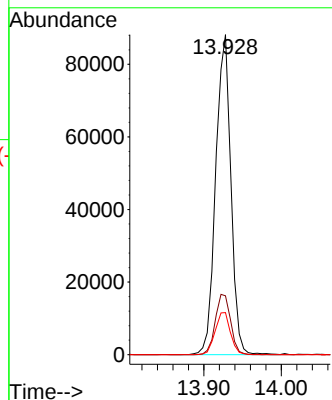
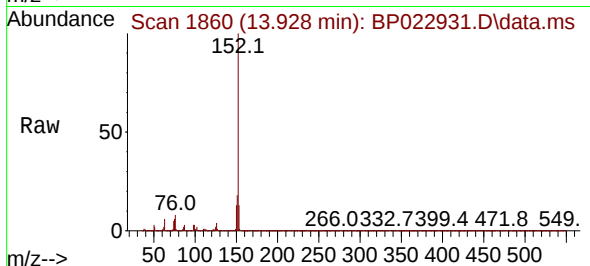




#49
Acenaphthylene
Concen: 9.045 ng
RT: 13.928 min Scan# 1860
Delta R.T. -0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

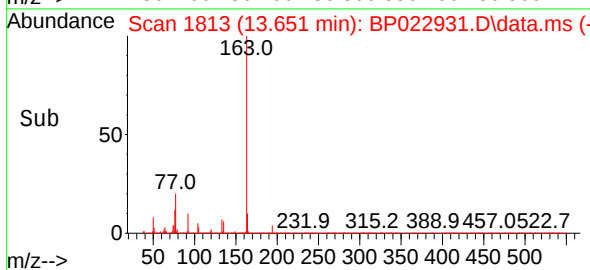
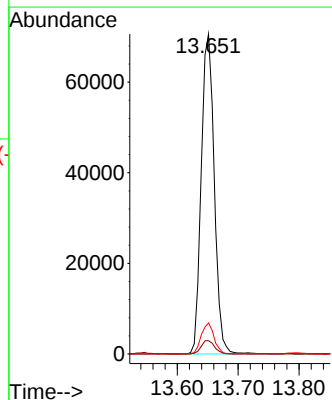
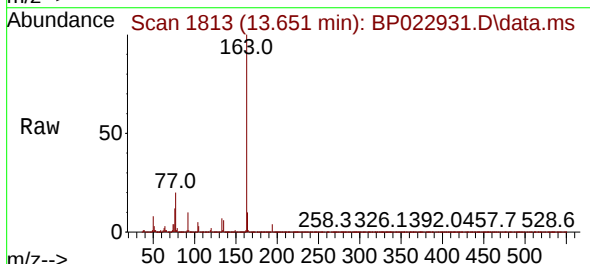
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

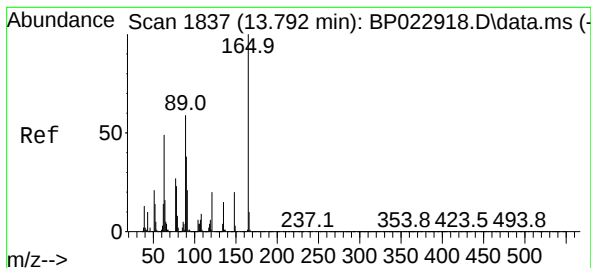
Tgt Ion:152 Resp: 119642
Ion Ratio Lower Upper
152 100
151 18.4 16.8 25.2
153 13.1 10.8 16.2



#50
Dimethylphthalate
Concen: 8.361 ng
RT: 13.651 min Scan# 1813
Delta R.T. -0.035 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:163 Resp: 105110
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.7 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 7.389 ng

RT: 13.798 min Scan# 1837

Delta R.T. 0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

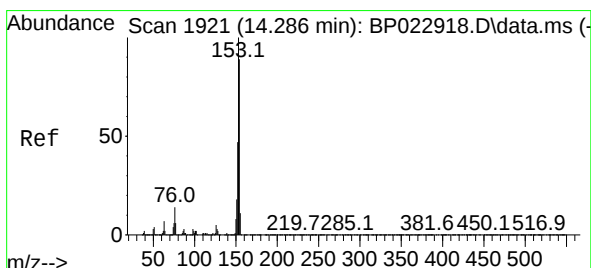
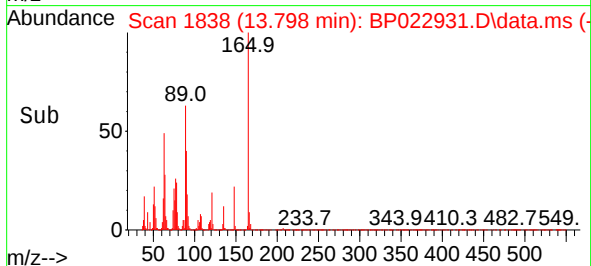
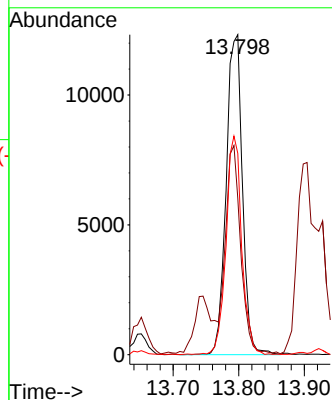
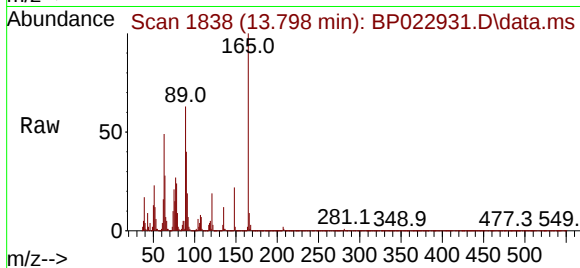
Tgt Ion:165 Resp: 21121

Ion Ratio Lower Upper

165 100

63 48.9 45.1 67.7

89 62.9 46.9 70.3



#52

Acenaphthene

Concen: 8.265 ng

RT: 14.275 min Scan# 1919

Delta R.T. -0.011 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

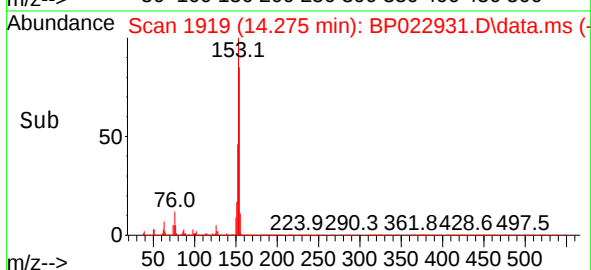
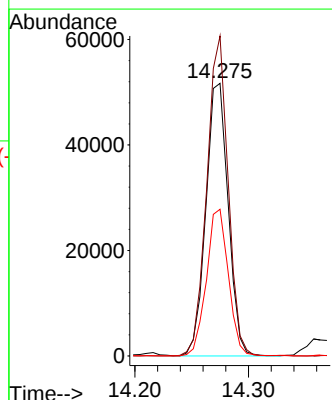
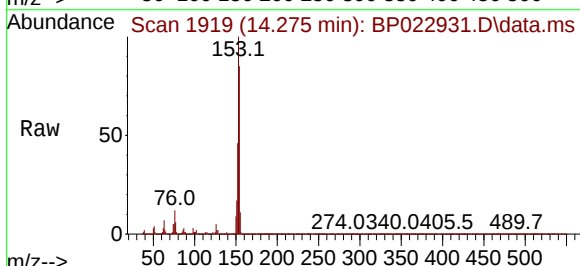
Tgt Ion:154 Resp: 70301

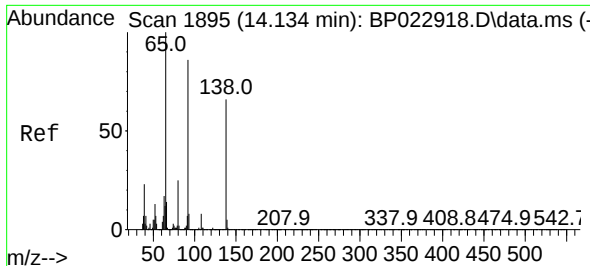
Ion Ratio Lower Upper

154 100

153 117.3 89.9 134.9

152 53.8 42.1 63.1

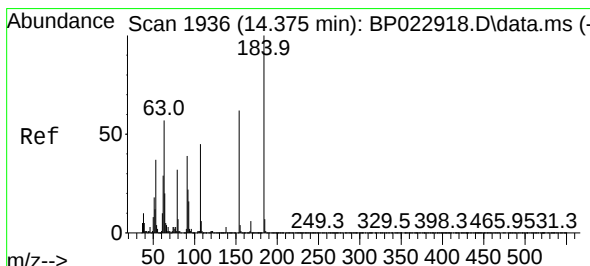
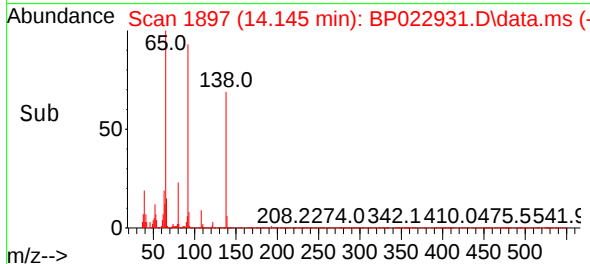
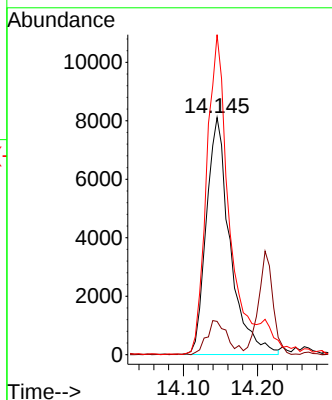
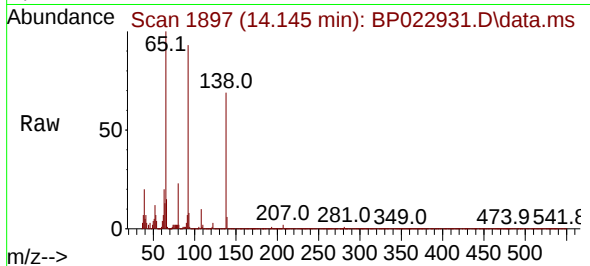




#53
3-Nitroaniline
Concen: 7.742 ng
RT: 14.145 min Scan# 1897
Delta R.T. 0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

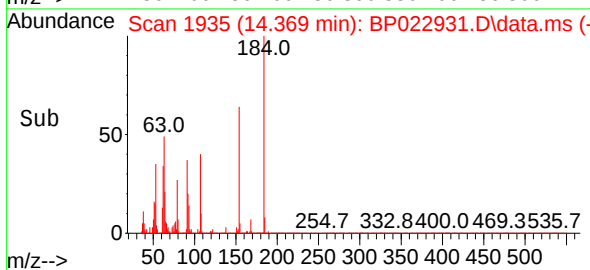
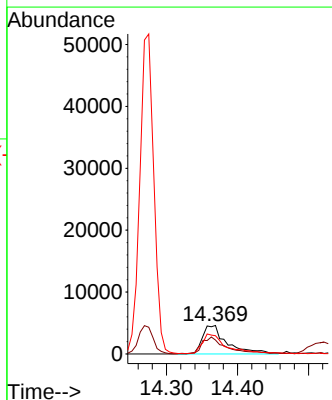
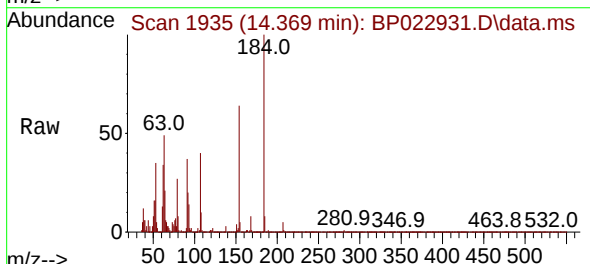
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

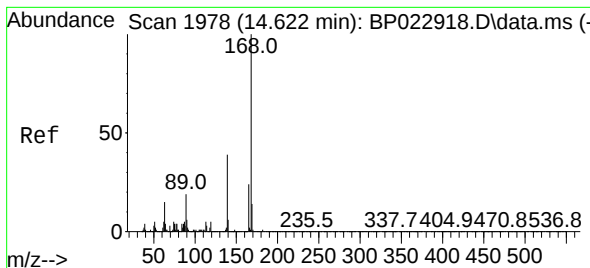
Tgt Ion:138 Resp: 17979
Ion Ratio Lower Upper
138 100
108 14.1 10.2 15.2
92 134.9 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 6.229 ng
RT: 14.369 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:184 Resp: 11049
Ion Ratio Lower Upper
184 100
63 49.2 46.3 69.5
154 64.0 56.6 85.0





#55

Dibenzofuran

Concen: 8.605 ng

RT: 14.622 min Scan# 1978

Delta R.T. 0.000 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

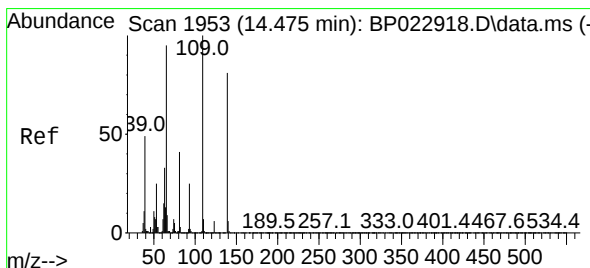
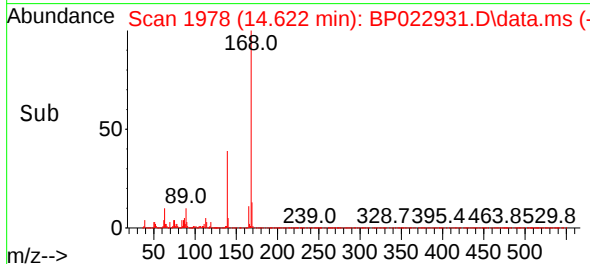
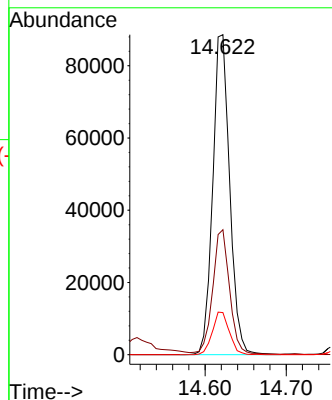
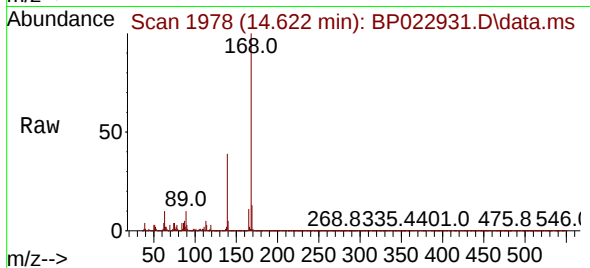
Tgt Ion:168 Resp: 128542

Ion Ratio Lower Upper

168 100

139 39.1 31.1 46.7

169 13.2 11.0 16.6



#56

4-Nitrophenol

Concen: 6.462 ng

RT: 14.516 min Scan# 1960

Delta R.T. 0.041 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

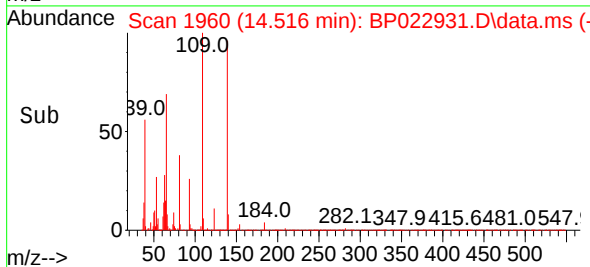
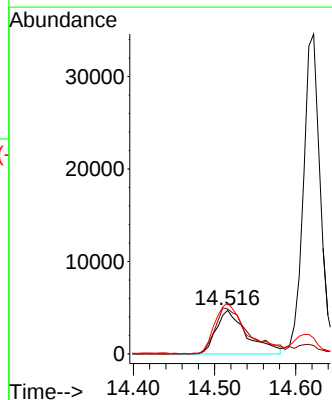
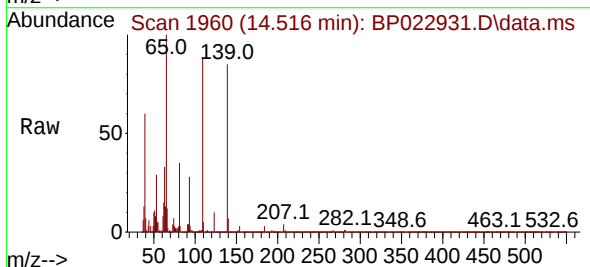
Tgt Ion:139 Resp: 12342

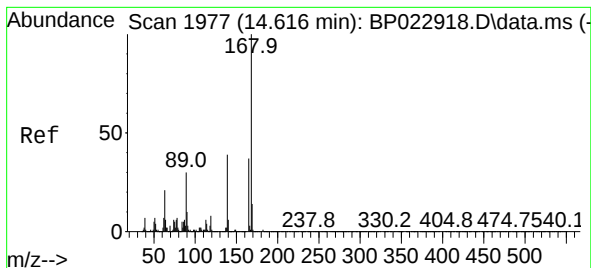
Ion Ratio Lower Upper

139 100

109 102.8 103.1 143.1#

65 117.2 96.9 136.9





#57

2,4-Dinitrotoluene

Concen: 7.266 ng

RT: 14.610 min Scan# 1977

Delta R.T. -0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 30024

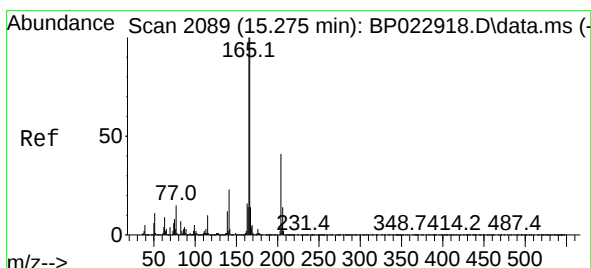
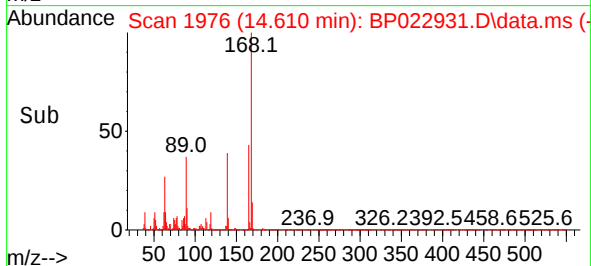
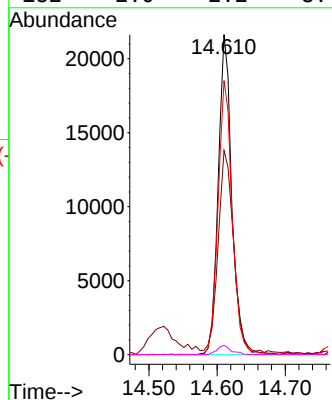
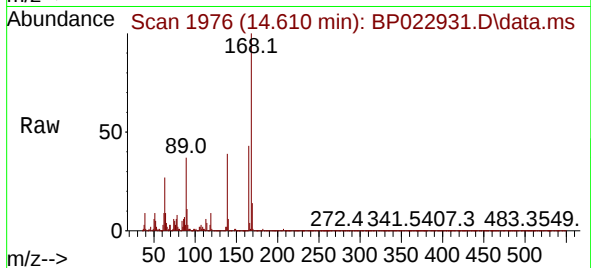
Ion Ratio Lower Upper

165 100

63 63.8 46.5 69.7

89 85.6 64.0 96.0

182 2.9 2.2 3.4



#58

Fluorene

Concen: 8.337 ng

RT: 15.292 min Scan# 2092

Delta R.T. 0.018 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

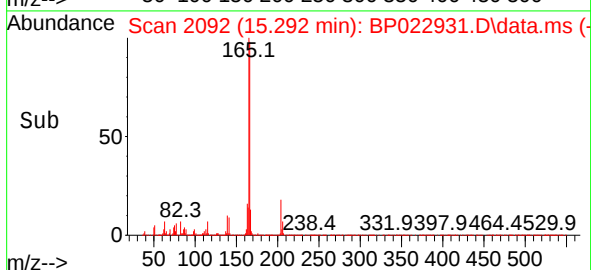
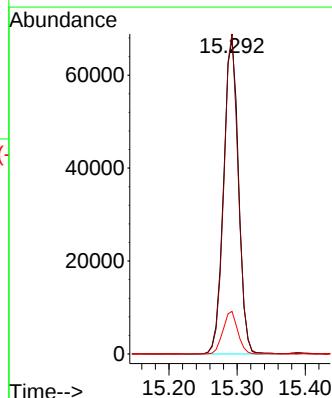
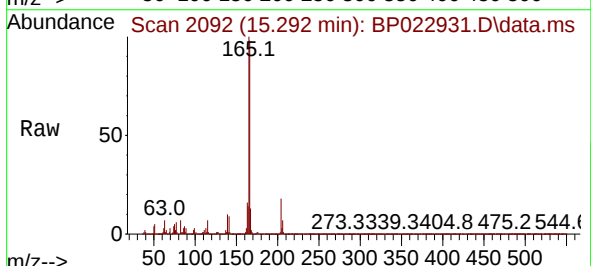
Tgt Ion:166 Resp: 103469

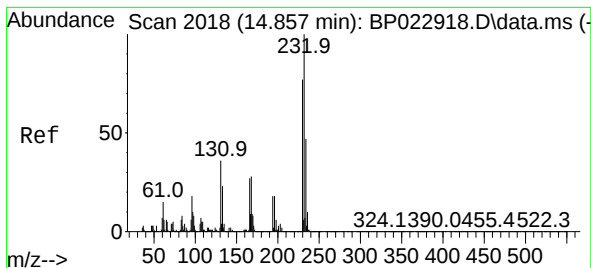
Ion Ratio Lower Upper

166 100

165 101.7 80.1 120.1

167 13.5 11.1 16.7

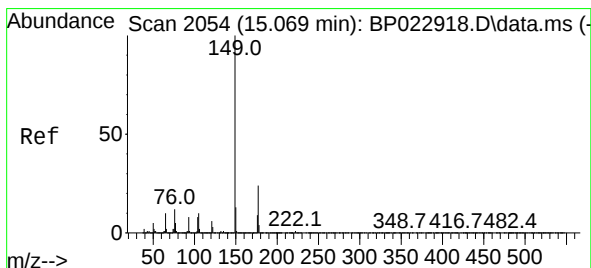
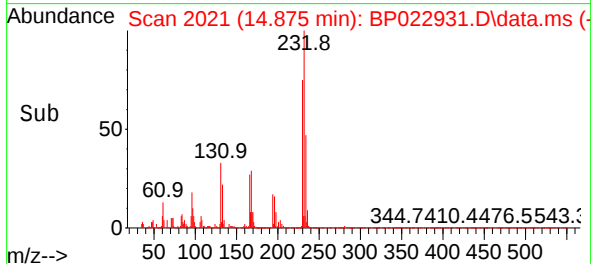
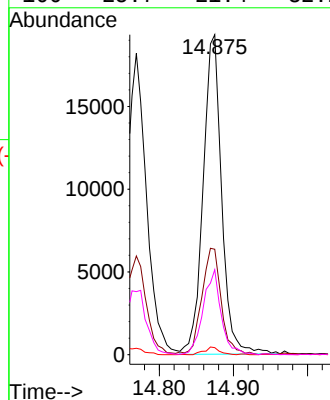
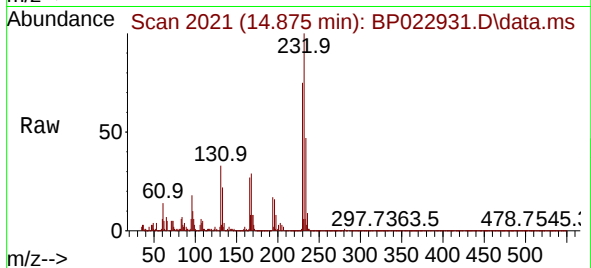




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.268 ng
RT: 14.875 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

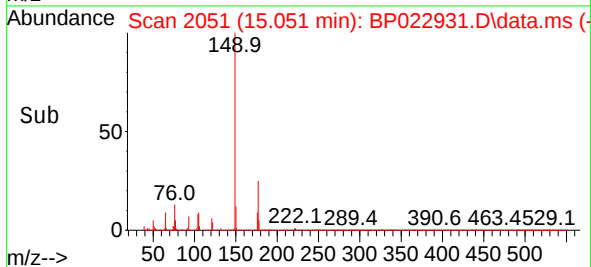
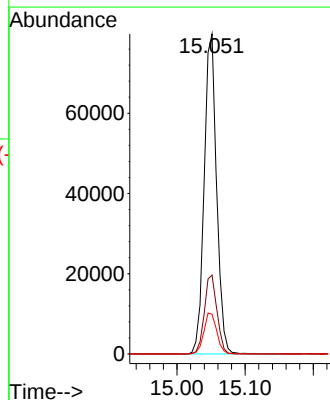
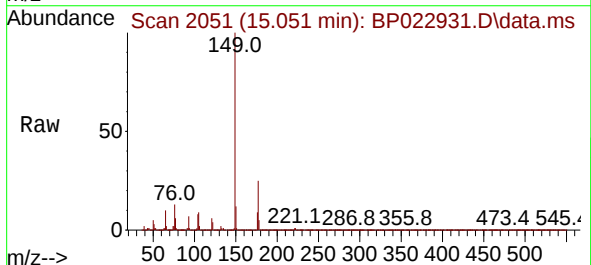
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

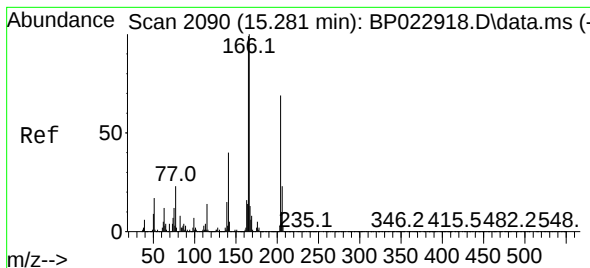
Tgt Ion:	232	Resp:	33559
Ion	Ratio	Lower	Upper
232	100		
131	34.9	28.2	42.2
130	1.9	1.7	2.5
166	25.7	21.4	32.2



#60
Diethylphthalate
Concen: 8.075 ng
RT: 15.051 min Scan# 2051
Delta R.T. -0.017 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:	149	Resp:	100955
Ion	Ratio	Lower	Upper
149	100		
177	24.6	18.9	28.3
150	12.4	10.3	15.5

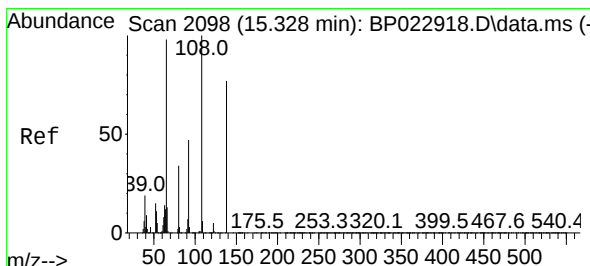
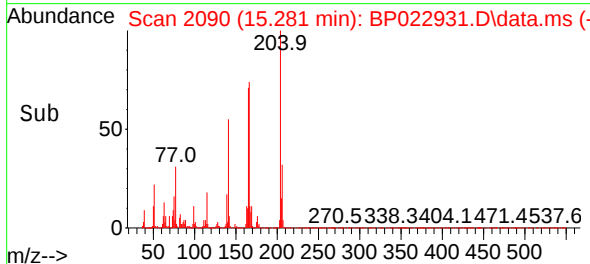
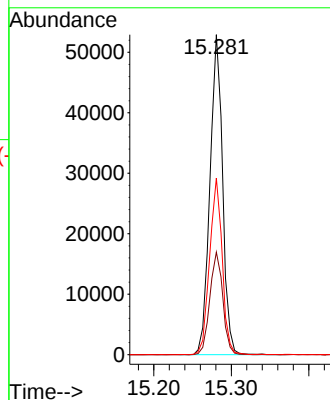
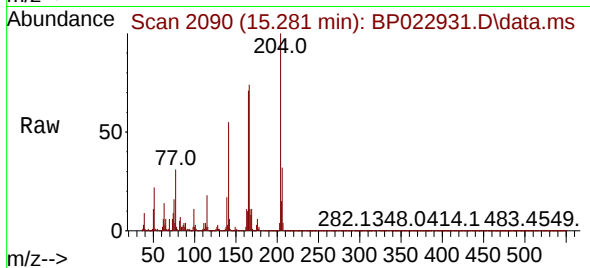




#61
4-Chlorophenyl-phenylether
Concen: 8.196 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

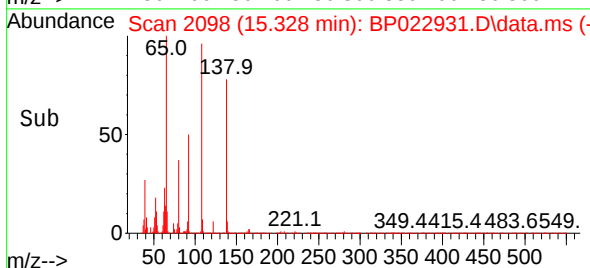
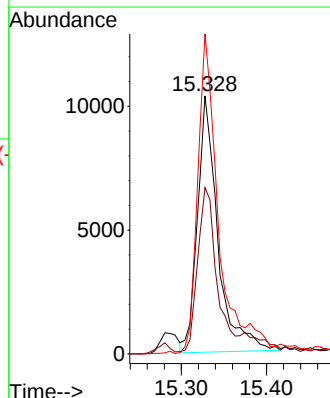
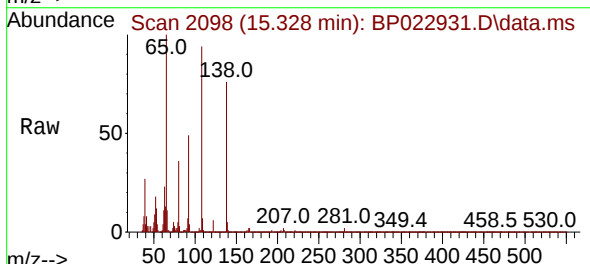
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

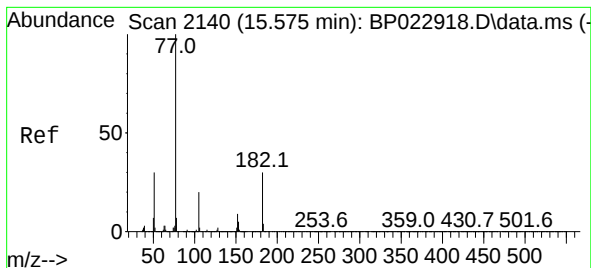
Tgt Ion:	204	Resp:	59949
Ion Ratio	Lower	Upper	
204	100		
206	32.1	26.8	40.2
141	55.2	46.2	69.4



#62
4-Nitroaniline
Concen: 7.221 ng
RT: 15.328 min Scan# 2098
Delta R.T. 0.000 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:	138	Resp:	17208
Ion Ratio	Lower	Upper	
138	100		
92	64.5	41.9	81.9
108	124.0	109.3	149.3





#63

Azobenzene

Concen: 8.328 ng

RT: 15.581 min Scan# 2140

Delta R.T. 0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 89528

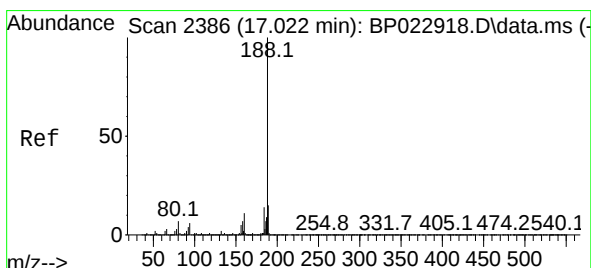
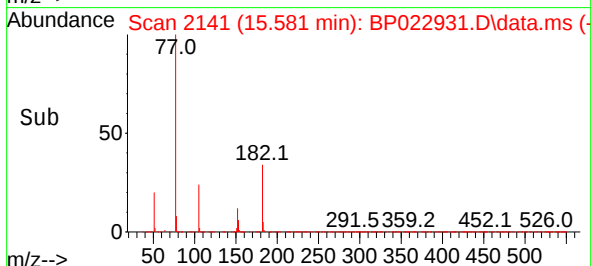
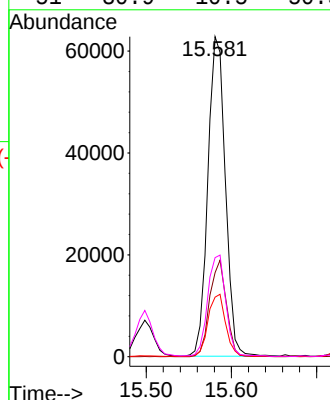
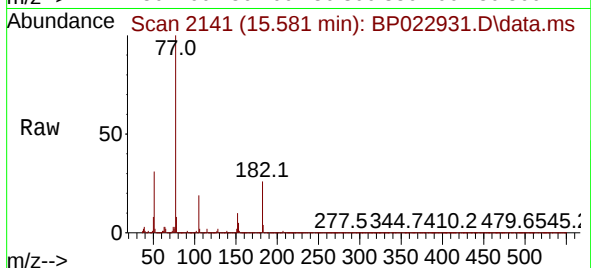
Ion Ratio Lower Upper

77 100

182 26.3 9.9 49.9

105 18.6 0.0 39.9

51 30.9 10.5 50.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.022 min Scan# 2386

Delta R.T. 0.000 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

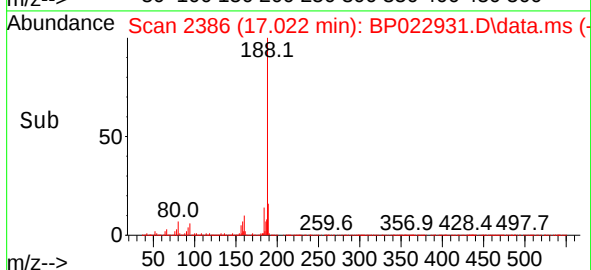
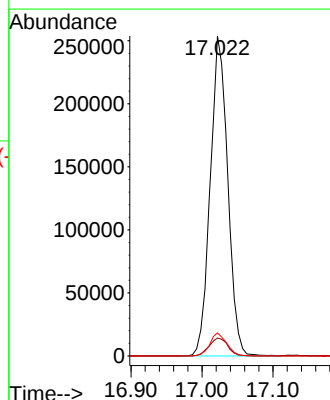
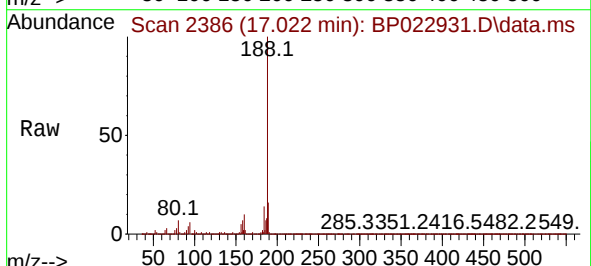
Tgt Ion: 188 Resp: 434135

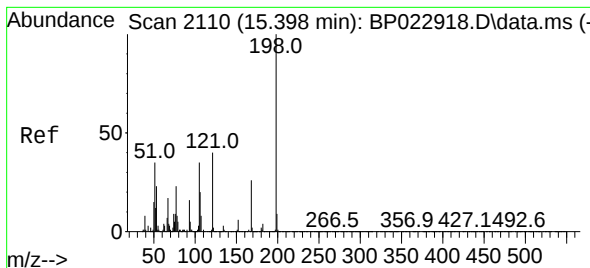
Ion Ratio Lower Upper

188 100

94 5.6 4.8 7.2

80 7.2 5.9 8.9

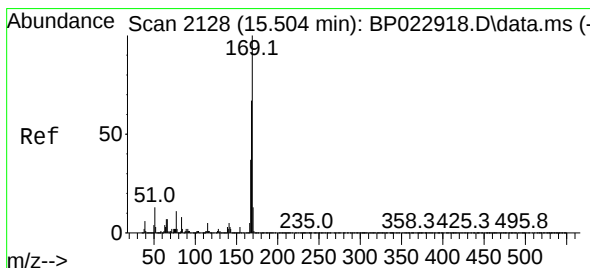
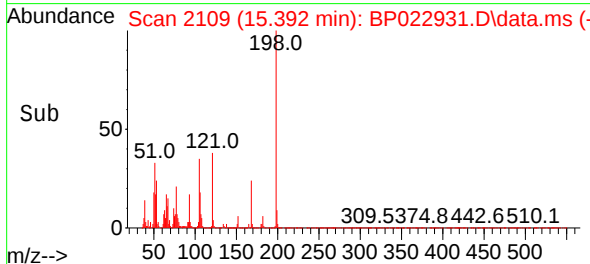
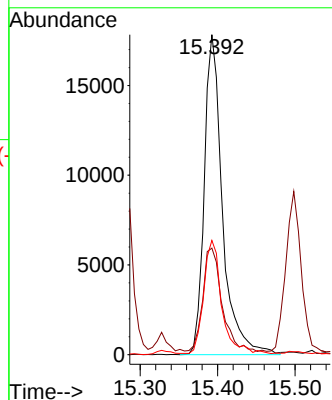
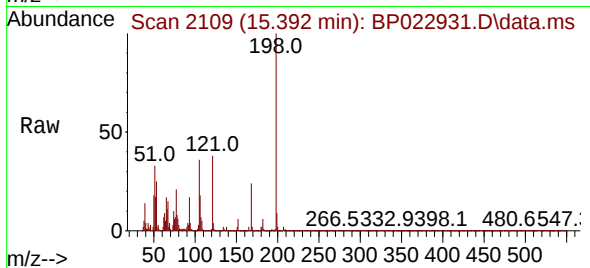




#65
4,6-Dinitro-2-methylphenol
Concen: 11.014 ng
RT: 15.392 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

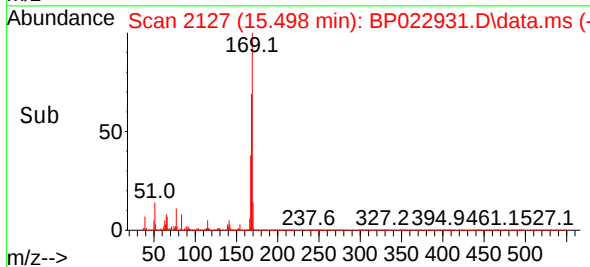
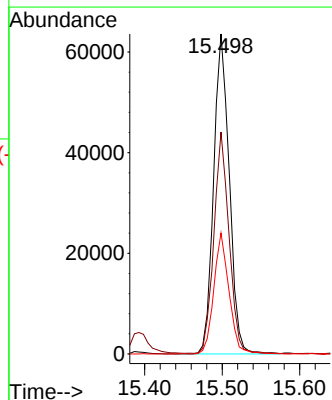
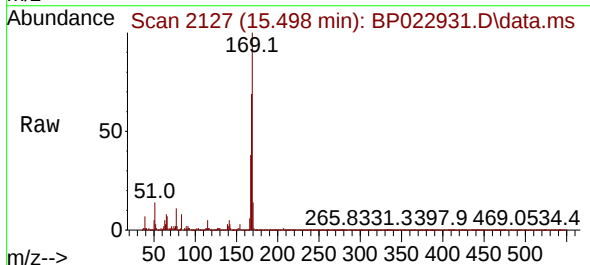
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

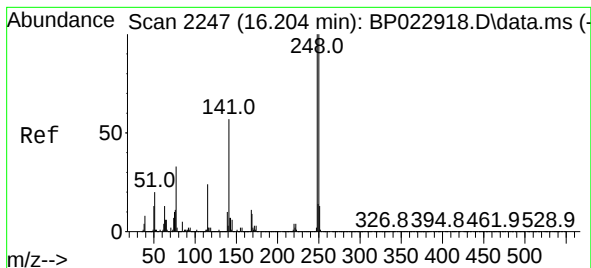
Tgt Ion:198 Resp: 29090
Ion Ratio Lower Upper
198 100
51 33.3 17.4 57.4
105 35.7 15.4 55.4



#66
n-Nitrosodiphenylamine
Concen: 8.303 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:169 Resp: 89116
Ion Ratio Lower Upper
169 100
168 69.3 53.9 80.9
167 37.8 29.4 44.0

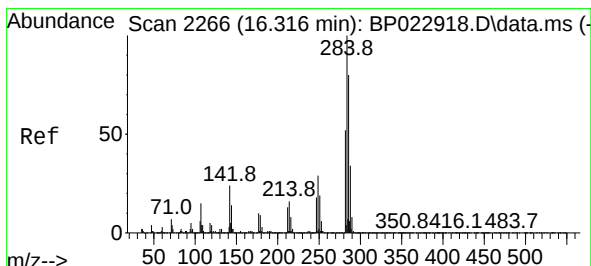
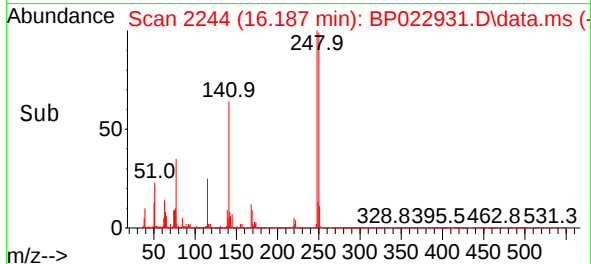
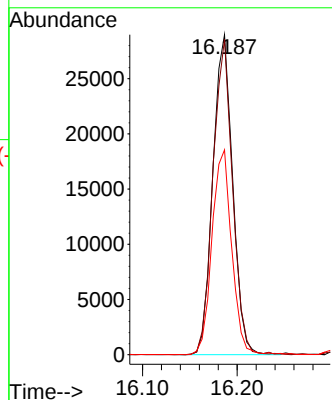
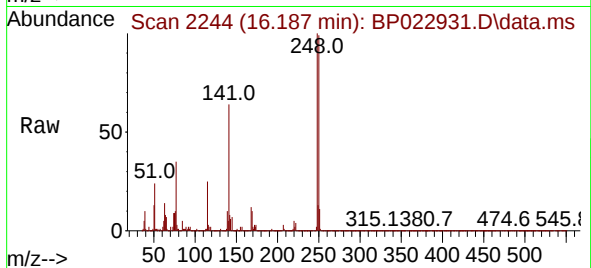




#67
4-Bromophenyl-phenylether
Concen: 8.067 ng
RT: 16.187 min Scan# 2244
Delta R.T. -0.017 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

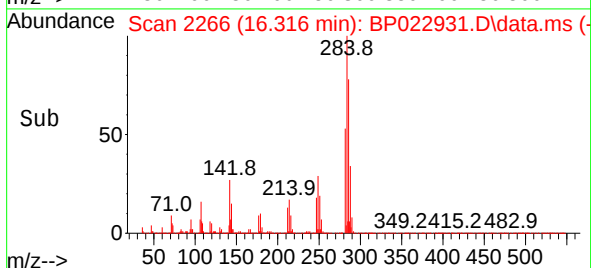
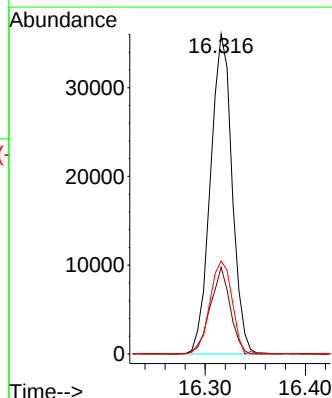
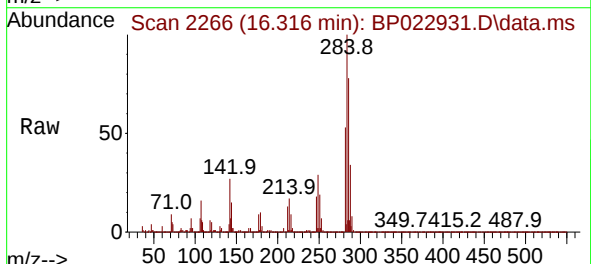
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

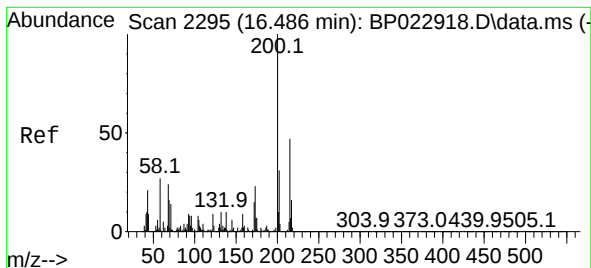
Tgt Ion:248 Resp: 42003
Ion Ratio Lower Upper
248 100
250 98.6 79.8 119.6
141 64.0 45.2 67.8



#68
Hexachlorobenzene
Concen: 8.081 ng
RT: 16.316 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:284 Resp: 53894
Ion Ratio Lower Upper
284 100
142 27.1 19.0 28.4
249 29.0 23.0 34.6





#69

Atrazine

Concen: 10.562 ng

RT: 16.475 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

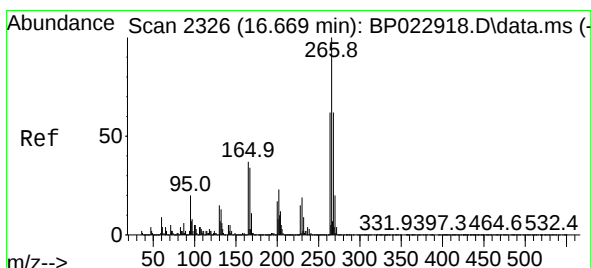
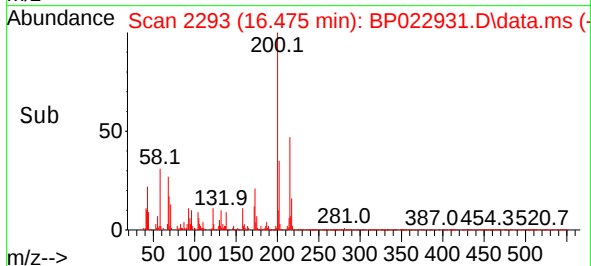
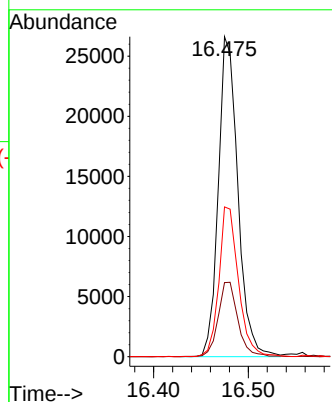
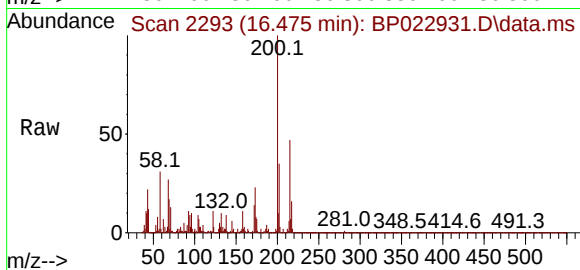
Tgt Ion:200 Resp: 38209

Ion Ratio Lower Upper

200 100

173 23.1 2.7 42.7

215 46.8 27.1 67.1



#70

Pentachlorophenol

Concen: 6.663 ng

RT: 16.692 min Scan# 2330

Delta R.T. 0.024 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

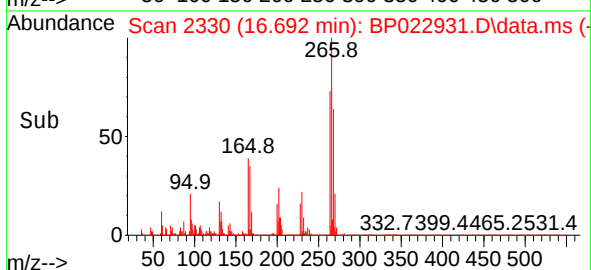
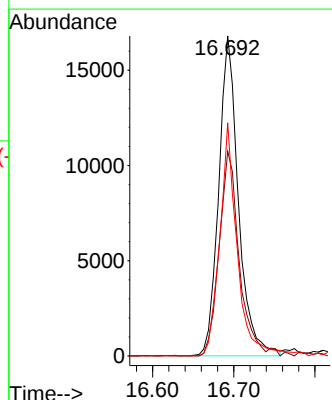
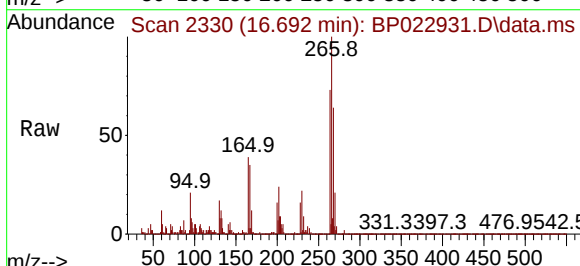
Tgt Ion:266 Resp: 28380

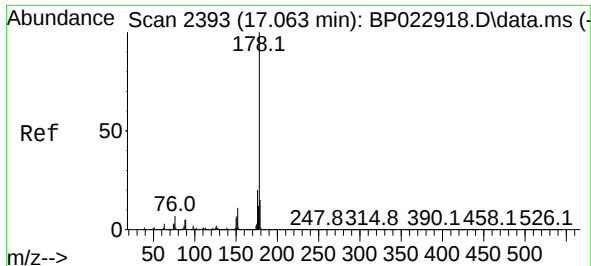
Ion Ratio Lower Upper

266 100

268 64.0 49.9 74.9

264 72.9 49.7 74.5

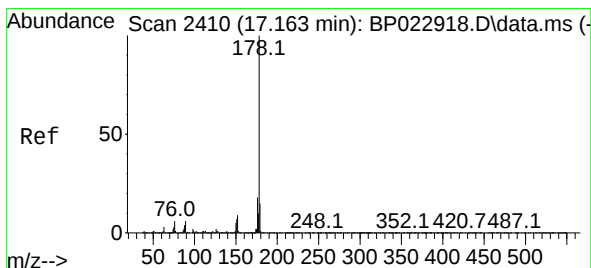
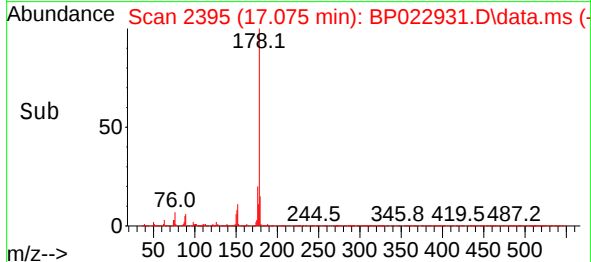
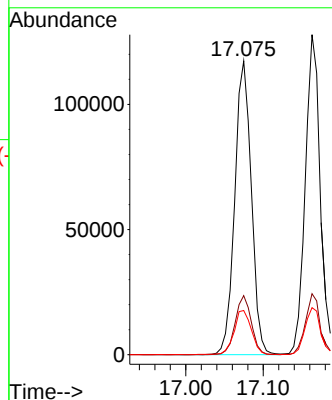
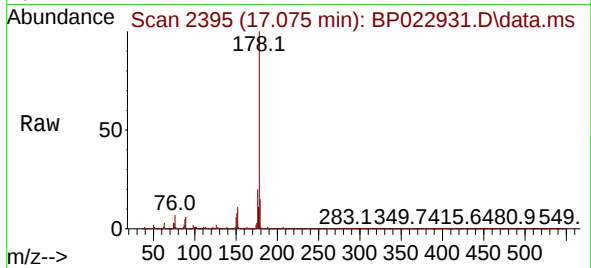




#71
Phenanthrene
Concen: 8.310 ng
RT: 17.075 min Scan# 2410
Delta R.T. 0.012 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

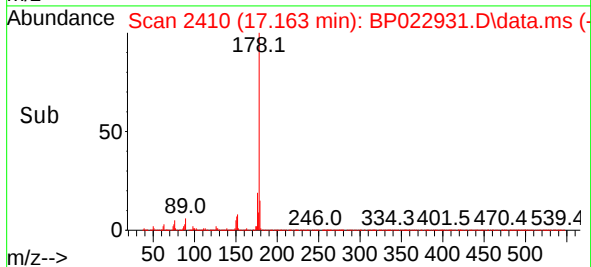
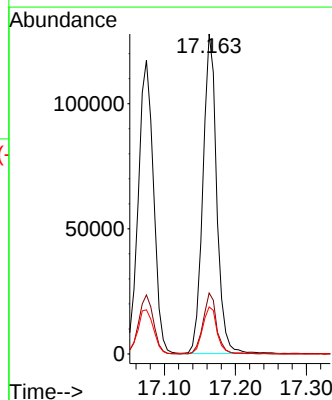
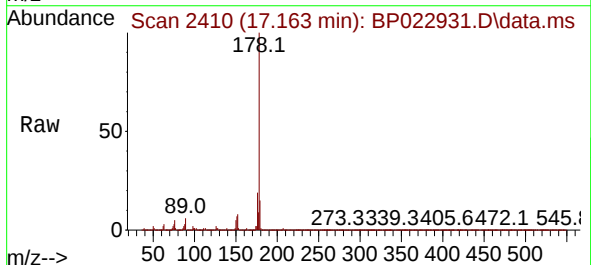
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

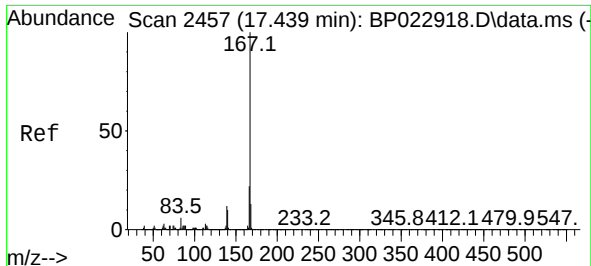
Tgt Ion:178 Resp: 174585
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.0 12.0 18.0



#72
Anthracene
Concen: 8.568 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:178 Resp: 172769
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 14.7 12.3 18.5

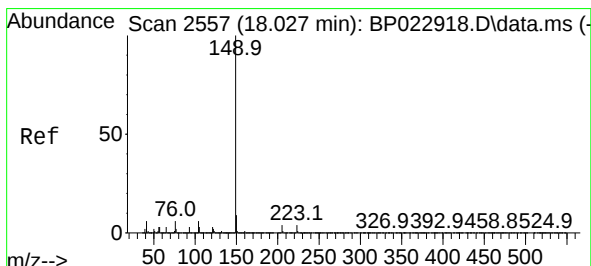
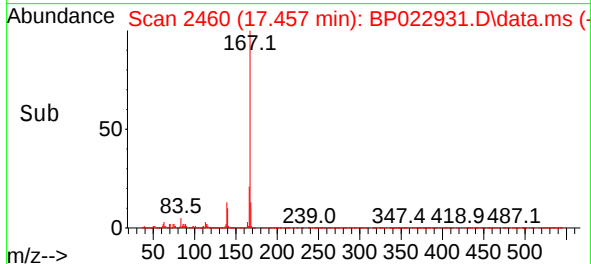
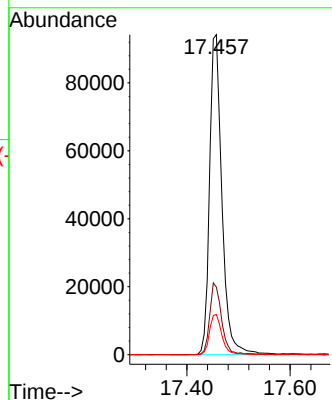
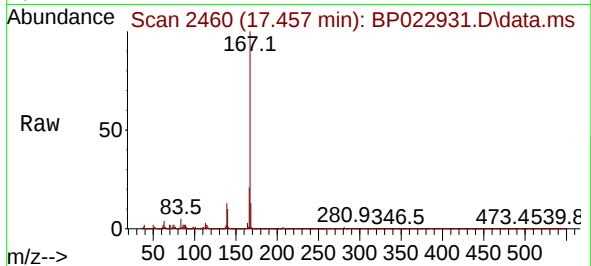




#73
Carbazole
Concen: 8.119 ng
RT: 17.457 min Scan# 2457
Delta R.T. 0.018 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

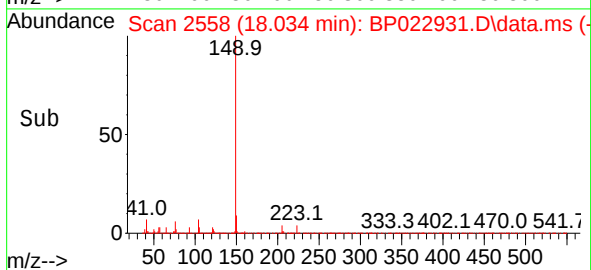
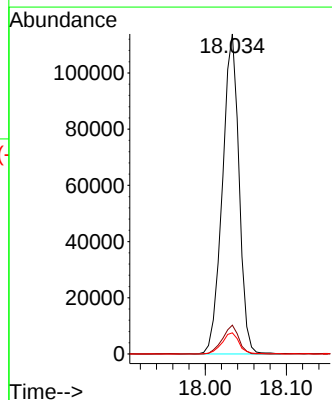
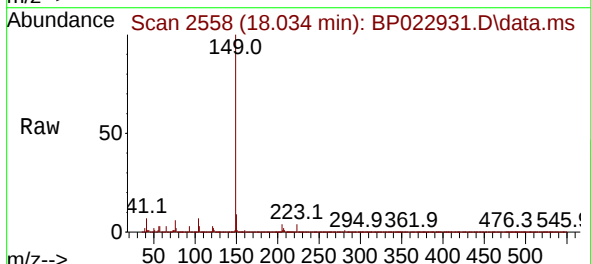
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

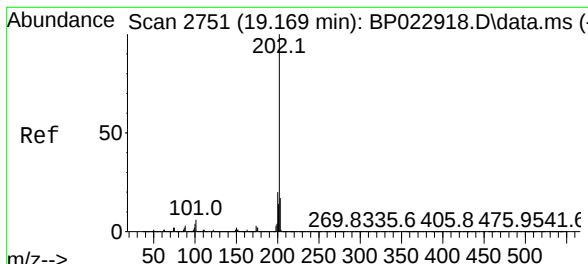
Tgt Ion:167 Resp: 156361
Ion Ratio Lower Upper
167 100
166 21.1 17.4 26.2
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 7.553 ng
RT: 18.034 min Scan# 2558
Delta R.T. 0.006 min
Lab File: BP022931.D
Acq: 08 Nov 2024 12:47

Tgt Ion:149 Resp: 162103
Ion Ratio Lower Upper
149 100
150 9.0 7.2 10.8
104 6.6 4.8 7.2

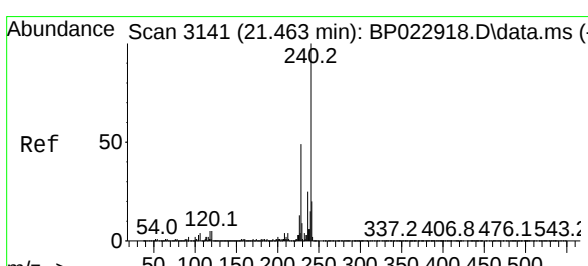
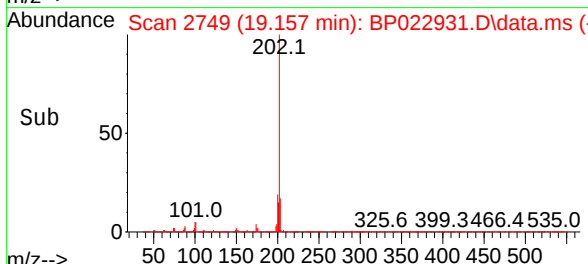
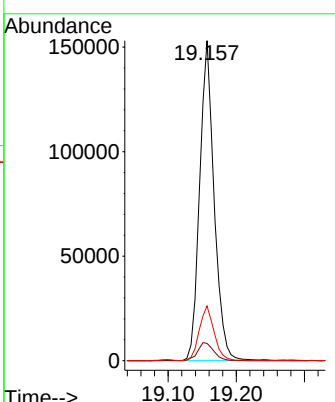
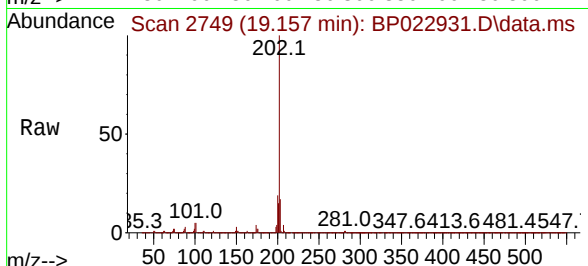




#75
 Fluoranthene
 Concen: 7.751 ng
 RT: 19.157 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP022931.D
 Acq: 08 Nov 2024 12:47

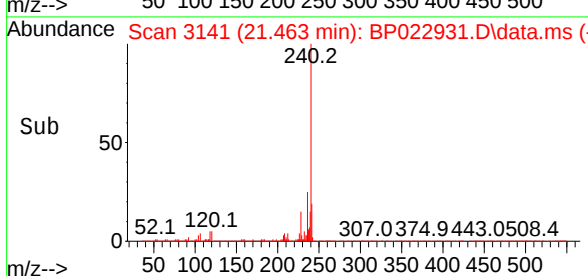
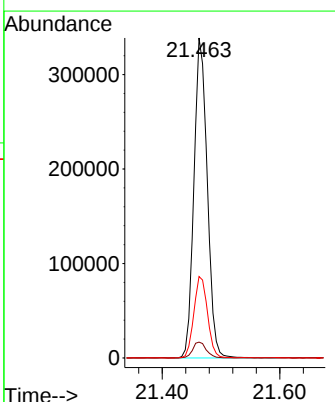
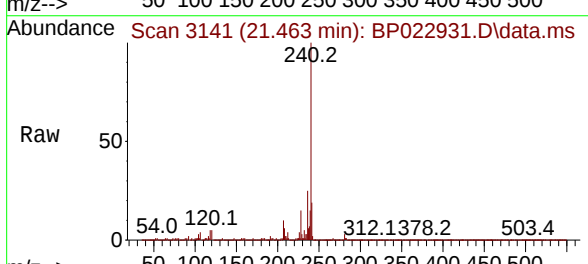
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

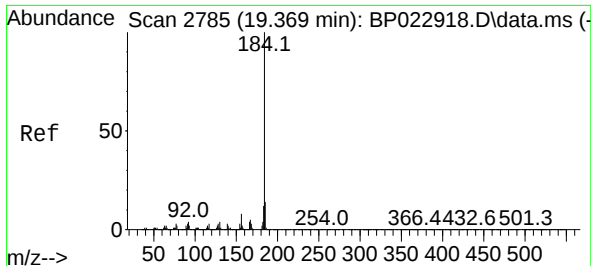
Tgt Ion:	202	Resp:	225894
Ion Ratio	Lower	Upper	
202	100		
101	5.4	0.0	25.5
203	17.1	0.0	37.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.463 min Scan# 3141
 Delta R.T. 0.000 min
 Lab File: BP022931.D
 Acq: 08 Nov 2024 12:47

Tgt Ion:	240	Resp:	532168
Ion Ratio	Lower	Upper	
240	100		
120	5.0	4.2	6.2
236	25.4	20.4	30.6





#77

Benzidine

Concen: 9.290 ng

RT: 19.369 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

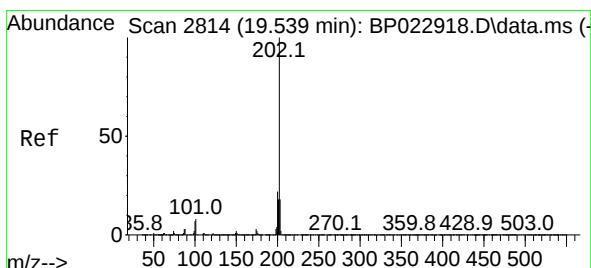
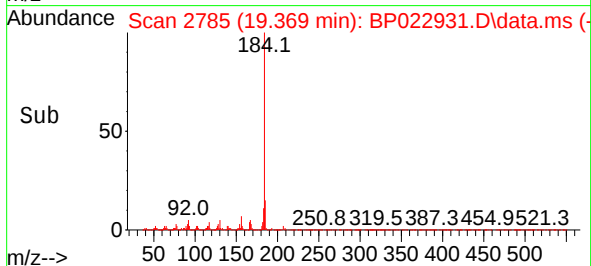
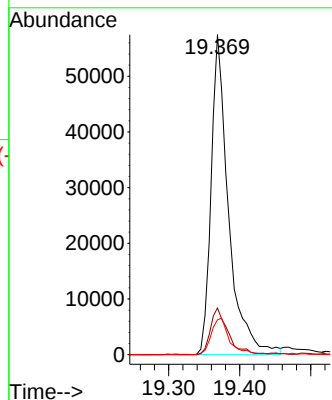
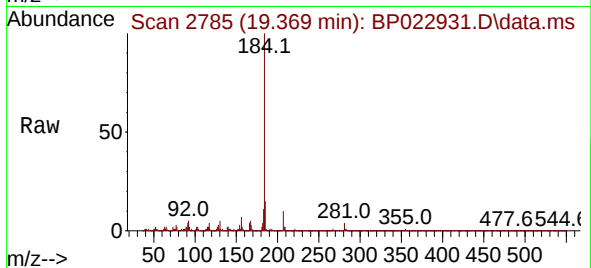
Tgt Ion:184 Resp: 97679

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

183 10.9 9.7 14.5



#78

Pyrene

Concen: 7.759 ng

RT: 19.539 min Scan# 2814

Delta R.T. 0.000 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

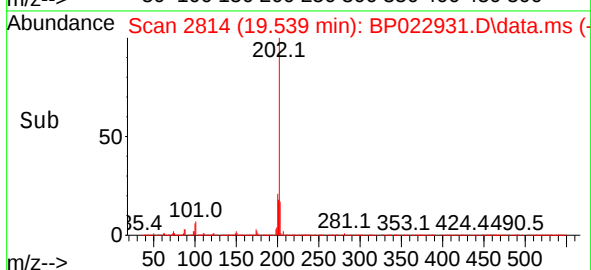
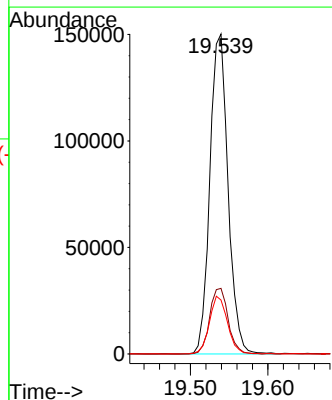
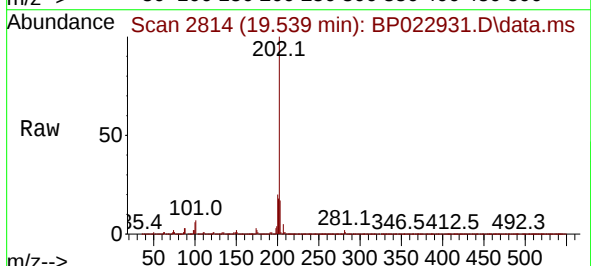
Tgt Ion:202 Resp: 244416

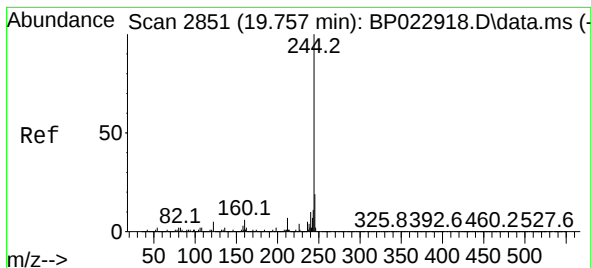
Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.0

203 16.9 14.2 21.2





#79

Terphenyl-d14

Concen: 66.446 ng

RT: 19.763 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

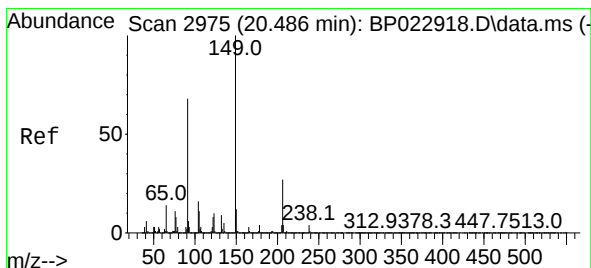
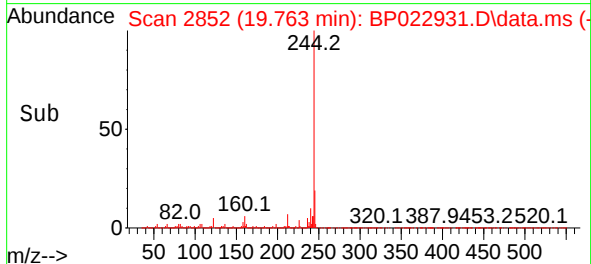
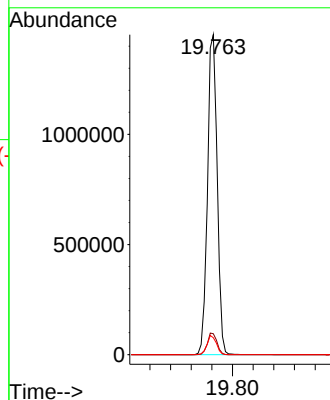
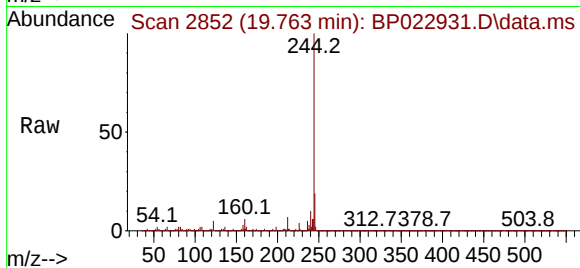
Tgt Ion:244 Resp: 1882867

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 5.3 4.4 6.6



#80

Butylbenzylphthalate

Concen: 7.116 ng

RT: 20.498 min Scan# 2977

Delta R.T. 0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

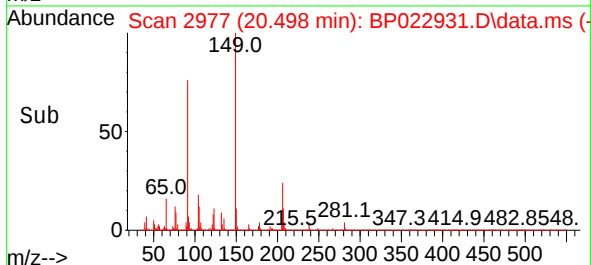
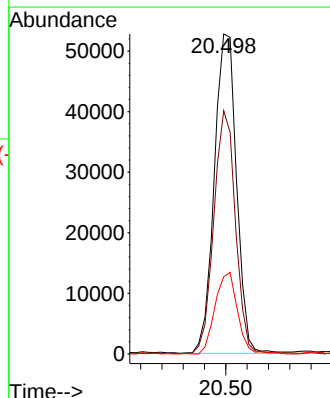
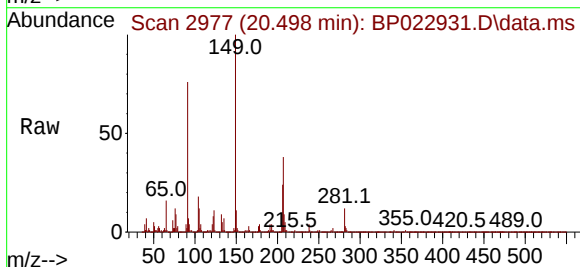
Tgt Ion:149 Resp: 76432

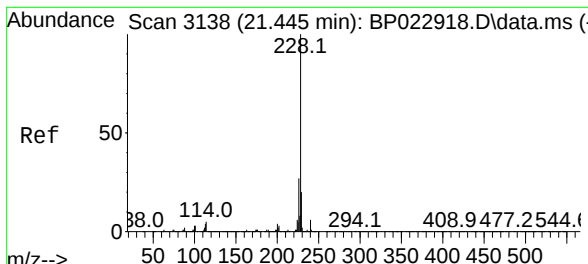
Ion Ratio Lower Upper

149 100

91 76.0 54.6 82.0

206 24.1 21.3 31.9





#81

Benzo(a)anthracene

Concen: 8.479 ng

RT: 21.445 min Scan# 3138

Delta R.T. 0.000 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

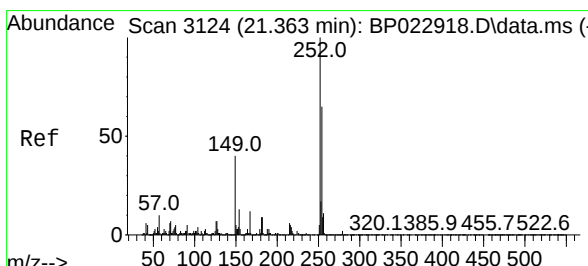
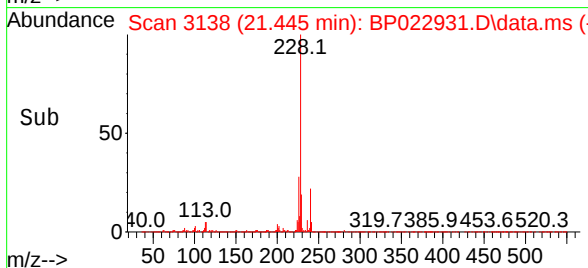
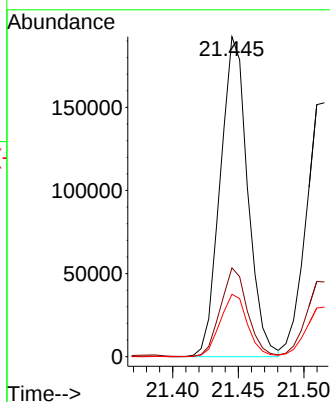
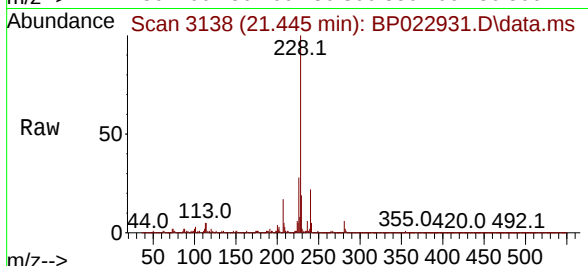
Tgt Ion:228 Resp: 280796

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.6

229 19.5 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 7.881 ng

RT: 21.380 min Scan# 3127

Delta R.T. 0.018 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

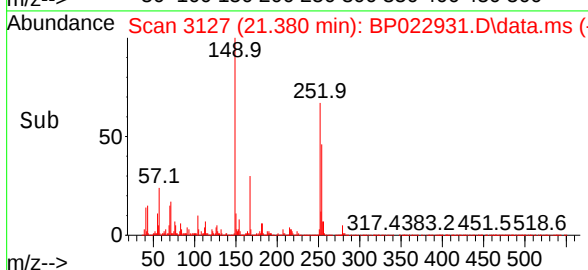
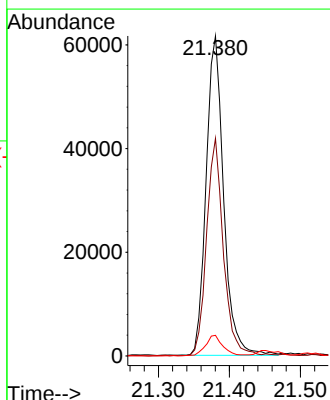
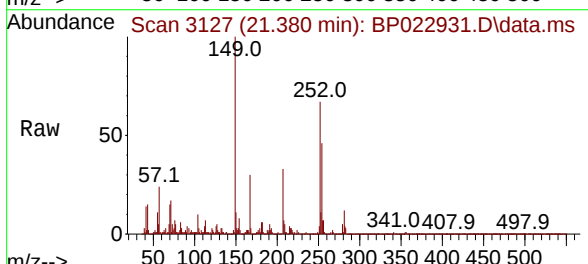
Tgt Ion:252 Resp: 105650

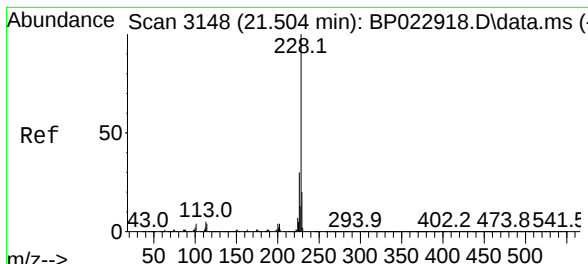
Ion Ratio Lower Upper

252 100

254 68.0 51.7 77.5

126 6.4 5.4 8.0

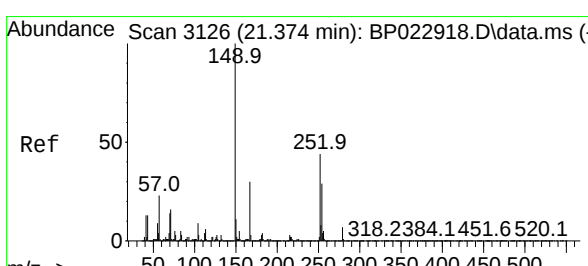
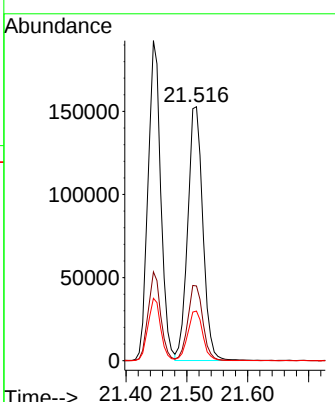
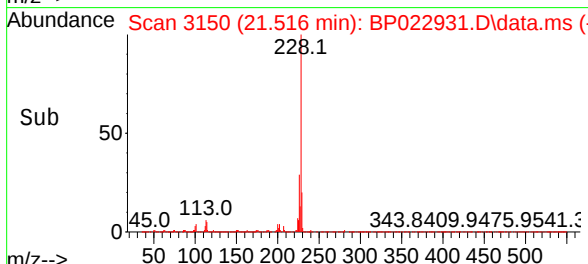
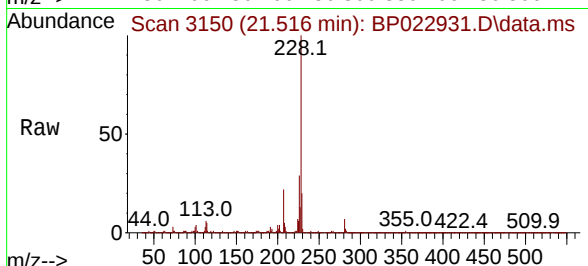




#83
 Chrysene
 Concen: 8.476 ng
 RT: 21.516 min Scan# 3150
 Delta R.T. 0.012 min
 Lab File: BP022931.D
 Acq: 08 Nov 2024 12:47

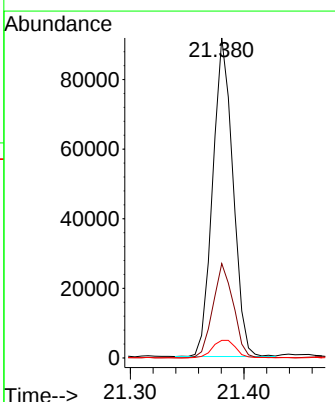
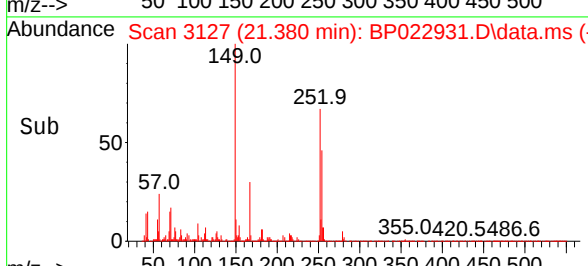
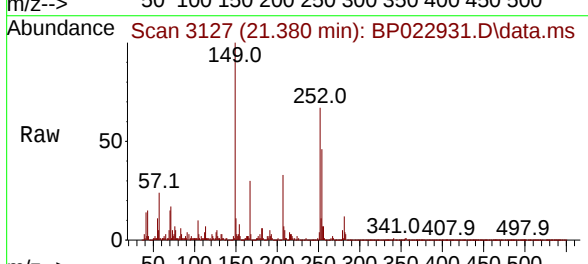
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

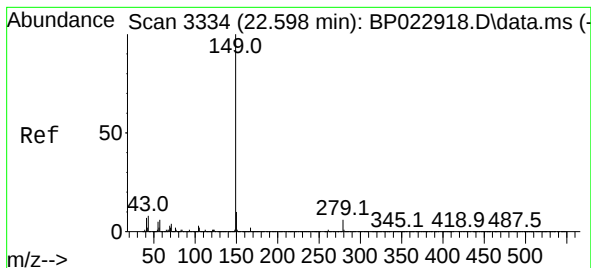
Tgt Ion:	228	Resp:	262915
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.6
229	19.6	15.8	23.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.360 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. 0.006 min
 Lab File: BP022931.D
 Acq: 08 Nov 2024 12:47

Tgt Ion:	149	Resp:	113440
Ion Ratio	Lower	Upper	
149	100		
167	29.5	23.7	35.5
279	5.5	5.3	7.9





#85

Di-n-octyl phthalate

Concen: 7.706 ng

RT: 22.616 min Scan# 3337

Delta R.T. 0.018 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

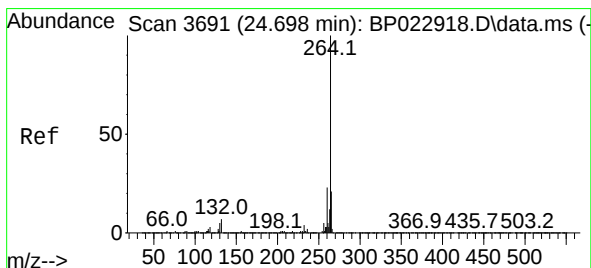
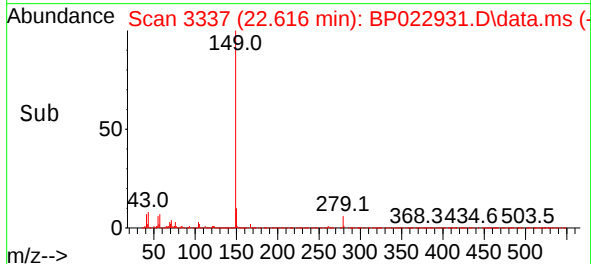
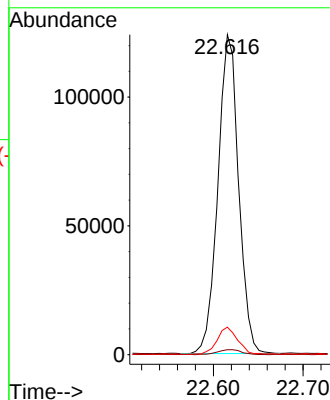
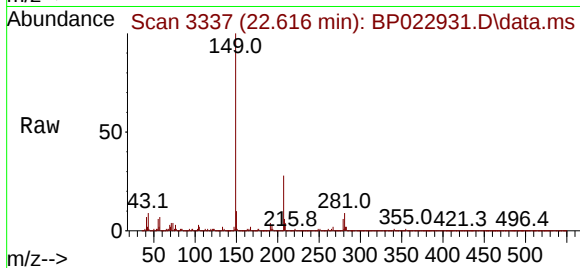
Tgt Ion:149 Resp: 198483

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 8.5 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.721 min Scan# 3695

Delta R.T. 0.024 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

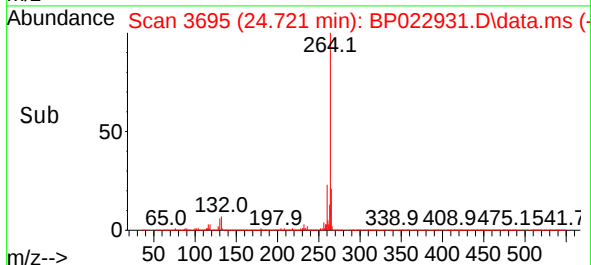
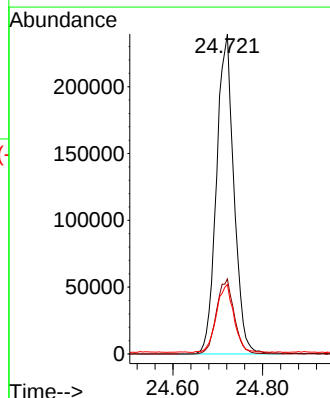
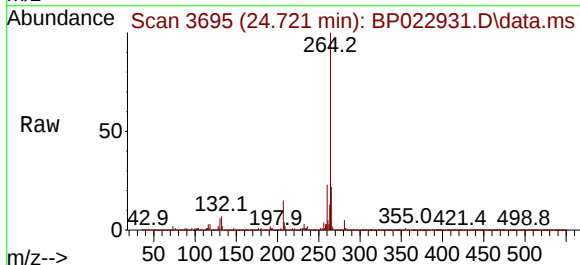
Tgt Ion:264 Resp: 645571

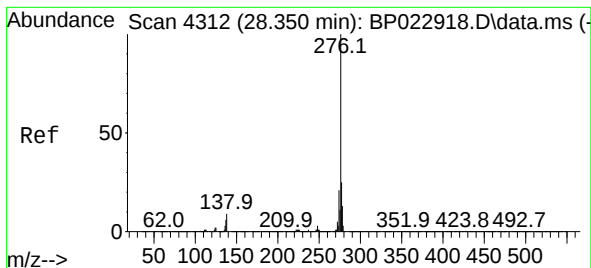
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.626 ng

RT: 28.404 min Scan# 4312

Delta R.T. 0.053 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

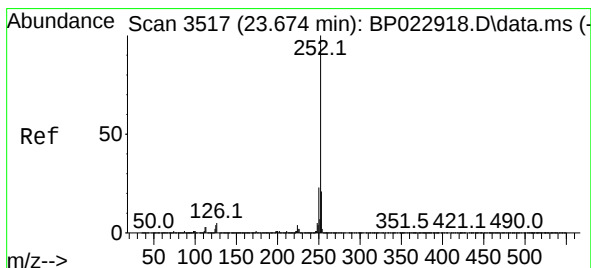
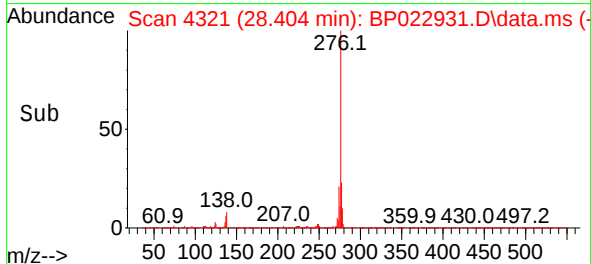
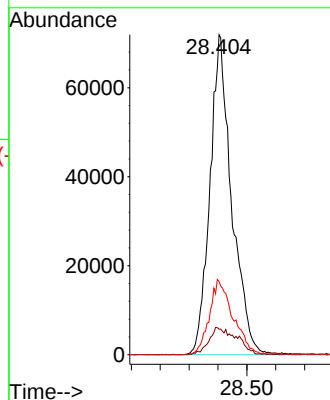
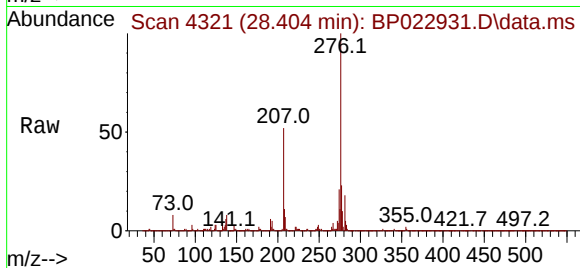
Tgt Ion:276 Resp: 375584

Ion Ratio Lower Upper

276 100

138 10.9 8.7 13.1

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.985 ng

RT: 23.686 min Scan# 3519

Delta R.T. 0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

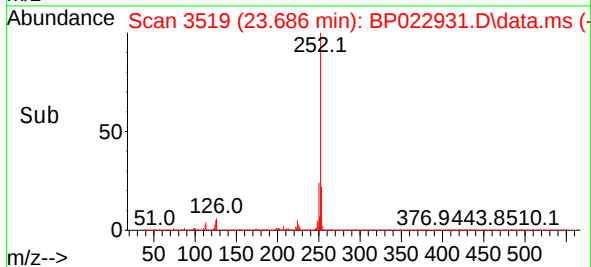
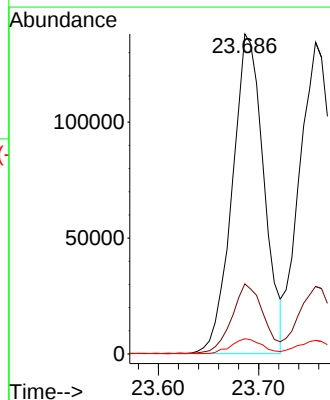
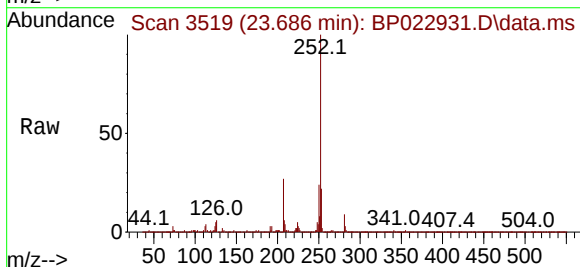
Tgt Ion:252 Resp: 302850

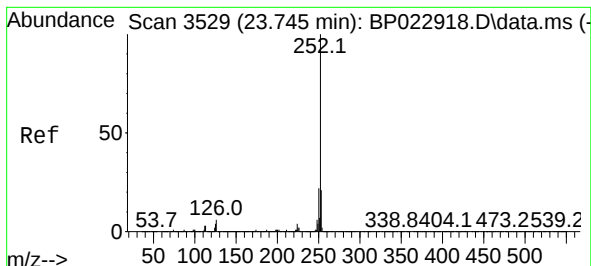
Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

125 4.8 3.2 4.8





#89

Benzo(k)fluoranthene

Concen: 8.639 ng

RT: 23.757 min Scan# 3529

Delta R.T. 0.012 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

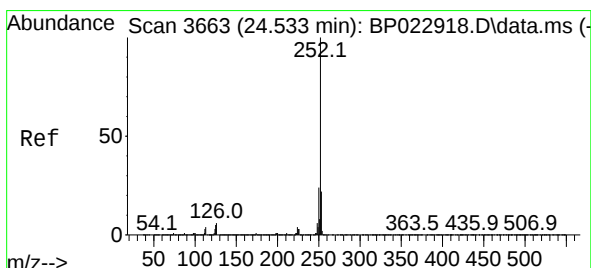
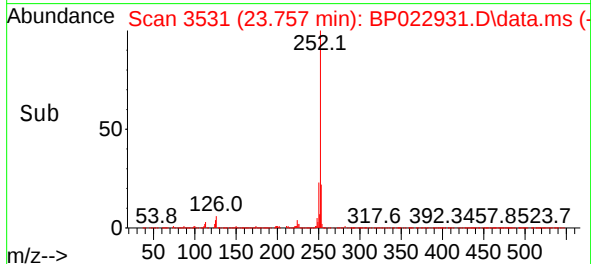
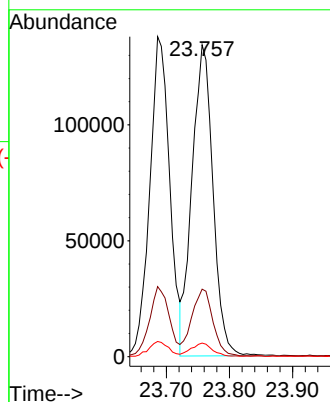
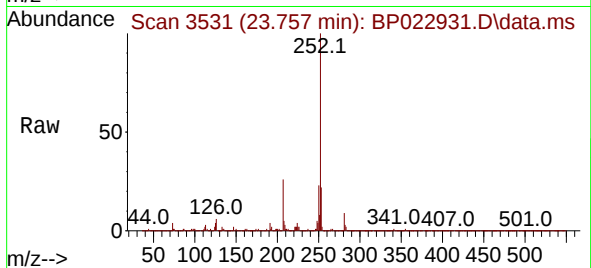
Tgt Ion:252 Resp: 309378

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 4.3 3.4 5.2



#90

Benzo(a)pyrene

Concen: 8.676 ng

RT: 24.563 min Scan# 3668

Delta R.T. 0.030 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

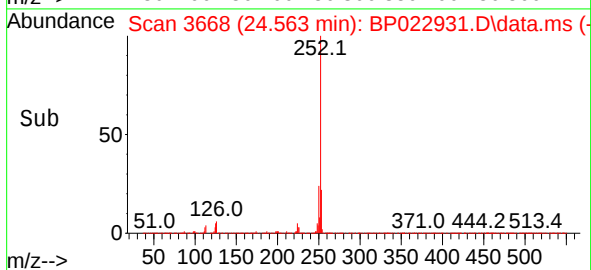
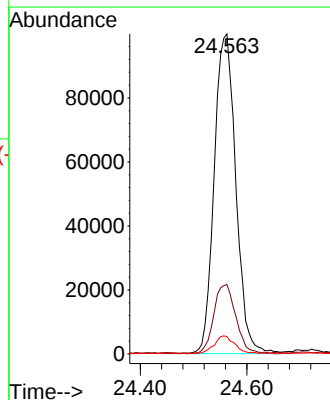
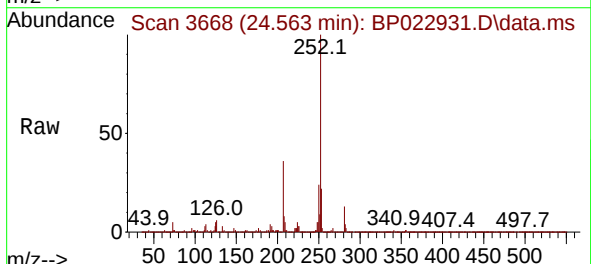
Tgt Ion:252 Resp: 281554

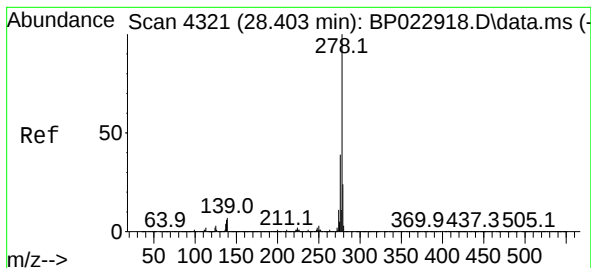
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 5.4 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 8.572 ng

RT: 28.462 min Scan# 441

Delta R.T. 0.059 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

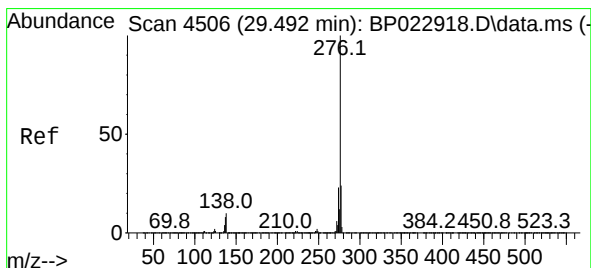
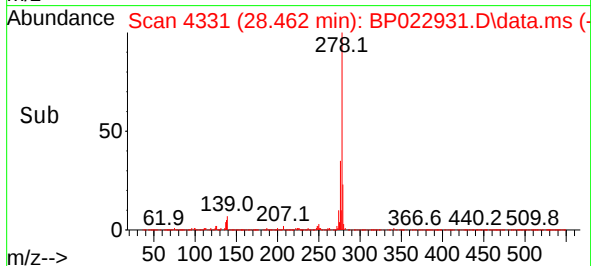
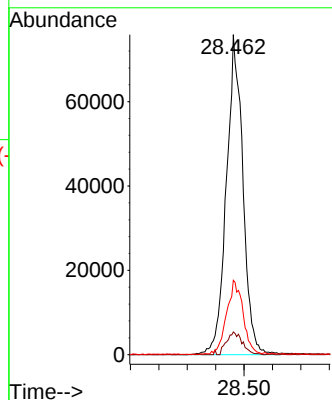
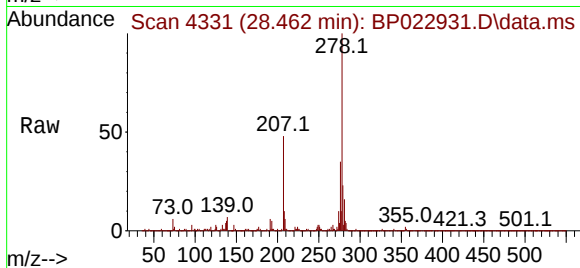
Tgt Ion:278 Resp: 306096

Ion Ratio Lower Upper

278 100

139 7.1 5.4 8.2

279 23.2 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.396 ng

RT: 29.509 min Scan# 4509

Delta R.T. 0.018 min

Lab File: BP022931.D

Acq: 08 Nov 2024 12:47

Tgt Ion:276 Resp: 124240

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 9.9 7.6 11.4

