

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019522.D
 Acq On : 02 Feb 2024 11:30
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Feb 02 12:07:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	74371	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	296505	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	188968	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	373506	20.000	ng	0.00
76) Chrysene-d12	21.386	240	362490	20.000	ng	0.00
86) Perylene-d12	23.804	264	466190	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	534754	115.903	ng	0.00
7) Phenol-d6	7.081	99	712197	114.481	ng	0.00
23) Nitrobenzene-d5	9.081	82	654338	95.625	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	310658	112.595	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1469480	96.133	ng	0.00
79) Terphenyl-d14	19.869	244	2033157	92.240	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	12059	6.784	ng	96
3) Pyridine	3.793	79	27487	5.703	ng	98
4) n-Nitrosodimethylamine	3.711	42	12572	5.992	ng	# 98
6) Aniline	7.246	93	43769	7.241	ng	98
8) 2-Chlorophenol	7.475	128	28379	5.991	ng	98
9) Benzaldehyde	7.058	77	30727	7.045	ng	95
10) Phenol	7.105	94	38668	6.236	ng	96
11) bis(2-Chloroethyl)ether	7.352	93	30412	6.304	ng	99
12) 1,3-Dichlorobenzene	7.799	146	34661	5.980	ng	99
13) 1,4-Dichlorobenzene	7.946	146	35154	5.986	ng	98
14) 1,2-Dichlorobenzene	8.263	146	33933	5.972	ng	100
15) Benzyl Alcohol	8.158	79	30489	6.134	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.458	45	30499	6.323	ng	96
17) 2-Methylphenol	8.358	107	25517	6.113	ng	96
18) Hexachloroethane	8.987	117	13123	5.765	ng	98
19) n-Nitroso-di-n-propyla...	8.728	70	27262	6.416	ng	95
20) 3+4-Methylphenols	8.687	107	34554	6.065	ng	96
22) Acetophenone	8.746	105	51446	6.090	ng	# 97
24) Nitrobenzene	9.122	77	42139	6.116	ng	100
25) Isophorone	9.646	82	69533	5.835	ng	98
26) 2-Nitrophenol	9.834	139	14285	5.438	ng	# 88
27) 2,4-Dimethylphenol	9.893	122	23828	7.094	ng	95
28) bis(2-Chloroethoxy)met...	10.140	93	41619	6.173	ng	99
29) 2,4-Dichlorophenol	10.357	162	29221	5.755	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	36651	5.887	ng	97
31) Naphthalene	10.763	128	96537	5.936	ng	97
32) Benzoic acid	9.952	122	12616	3.855	ng	84
33) 4-Chloroaniline	10.881	127	38693	6.434	ng	98
34) Hexachlorobutadiene	11.040	225	24986	5.416	ng	92
35) Caprolactam	11.646	113	7203	5.011	ng	90
36) 4-Chloro-3-methylphenol	11.999	107	30957	5.591	ng	95
37) 2-Methylnaphthalene	12.369	142	64529	5.734	ng	96
38) 1-Methylnaphthalene	12.587	142	65025	5.880	ng	97
40) 1,2,4,5-Tetrachloroben...	12.734	216	44819	6.150	ng	99
41) Hexachlorocyclopentadiene	12.710	237	24339	7.393	ng	90
43) 2,4,6-Trichlorophenol	12.975	196	24609	5.577	ng	97

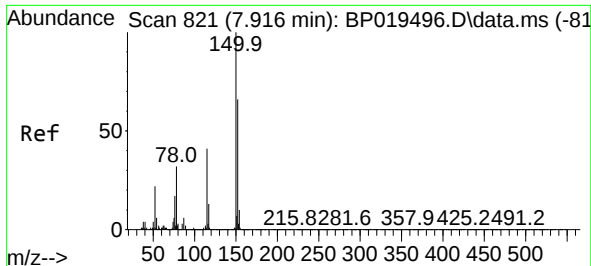
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	26602	5.490	ng	95
46) 1,1'-Biphenyl	13.381	154	94849	6.289	ng	97
47) 2-Chloronaphthalene	13.422	162	72944	5.892	ng	97
48) 2-Nitroaniline	13.634	65	17705	5.114	ng	90
49) Acenaphthylene	14.263	152	110668	6.371	ng	98
50) Dimethylphthalate	14.010	163	85569	5.915	ng	97
51) 2,6-Dinitrotoluene	14.134	165	15851	4.987	ng	95
52) Acenaphthene	14.610	154	62813	5.827	ng	97
53) 3-Nitroaniline	14.457	138	16317	5.586	ng #	95
54) 2,4-Dinitrophenol	14.663	184	7037	4.264	ng	91
55) Dibenzofuran	14.945	168	106711	6.078	ng	97
56) 4-Nitrophenol	14.763	139	10830	4.524	ng	87
57) 2,4-Dinitrotoluene	14.916	165	19900	4.778	ng #	99
58) Fluorene	15.592	166	82133	5.873	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.169	232	22678	5.564	ng	98
60) Diethylphthalate	15.381	149	81805	5.685	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	46998	5.979	ng	99
62) 4-Nitroaniline	15.616	138	14678	4.794	ng	94
63) Azobenzene	15.887	77	78346	5.631	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	9727	4.567	ng	92
66) n-Nitrosodiphenylamine	15.810	169	68212	6.098	ng	98
67) 4-Bromophenyl-phenylether	16.492	248	27467	5.882	ng	95
68) Hexachlorobenzene	16.587	284	31844	5.840	ng	97
69) Atrazine	16.769	200	24633	6.636	ng	96
70) Pentachlorophenol	16.939	266	15641	4.606	ng	95
71) Phenanthrene	17.339	178	123932	6.305	ng	97
72) Anthracene	17.434	178	120132	6.127	ng	100
73) Carbazole	17.710	167	102206	5.738	ng	98
74) Di-n-butylphthalate	18.275	149	113259	5.258	ng	100
75) Fluoranthene	19.310	202	134419	5.598	ng	100
77) Benzidine	19.498	184	62858	8.294	ng	99
78) Pyrene	19.657	202	141266	5.522	ng	100
80) Butylbenzylphthalate	20.557	149	47123	4.932	ng	95
81) Benzo(a)anthracene	21.375	228	153029	5.997	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	58285	6.268	ng	98
83) Chrysene	21.427	228	141672	5.848	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	78533	5.398	ng	100
85) Di-n-octyl phthalate	22.269	149	138233	5.401	ng	100
87) Indeno(1,2,3-cd)pyrene	26.333	276	205949	5.771	ng	99
88) Benzo(b)fluoranthene	23.069	252	165577	5.635	ng	98
89) Benzo(k)fluoranthene	23.116	252	160613	5.723	ng	99
90) Benzo(a)pyrene	23.698	252	147606	5.646	ng	99
91) Dibenzo(a,h)anthracene	26.362	278	170953	5.825	ng	99
92) Benzo(g,h,i)perylene	27.098	276	167230	5.616	ng #	96

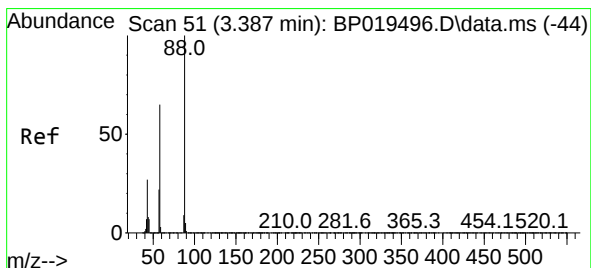
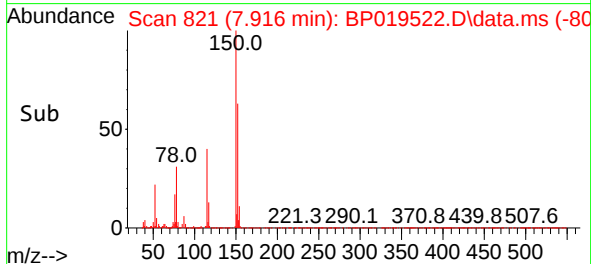
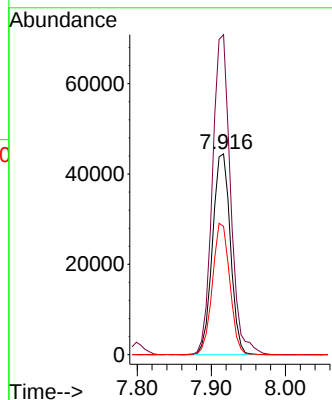
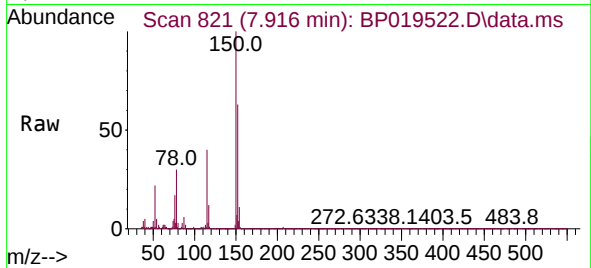
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.916 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP019522.D
 Acq: 02 Feb 2024 11:30

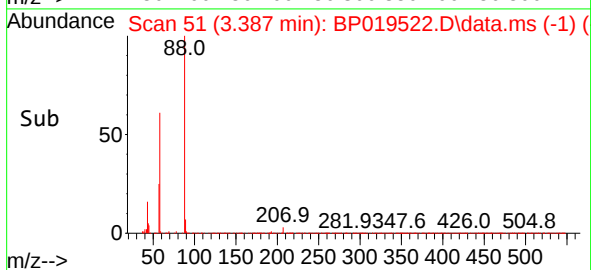
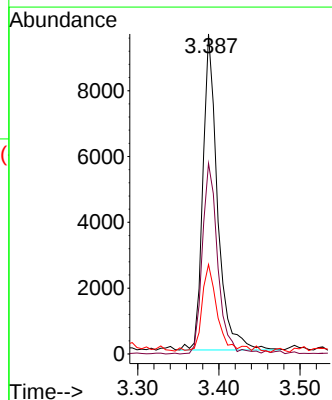
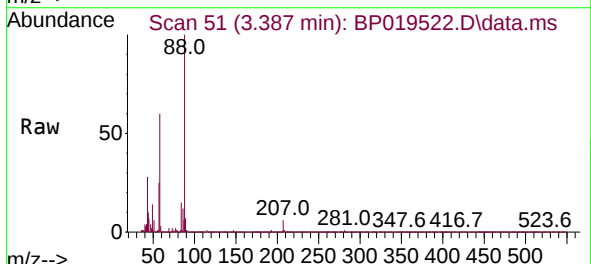
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

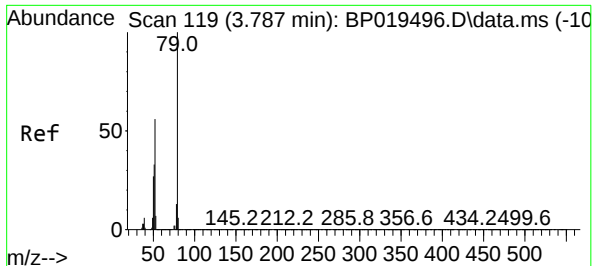
Tgt Ion:152 Resp: 74371
 Ion Ratio Lower Upper
 152 100
 150 159.3 121.8 182.8
 115 63.9 49.9 74.9



#2
 1,4-Dioxane
 Concen: 6.784 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BP019522.D
 Acq: 02 Feb 2024 11:30

Tgt Ion: 88 Resp: 12059
 Ion Ratio Lower Upper
 88 100
 58 63.4 52.6 78.8
 43 30.0 21.9 32.9

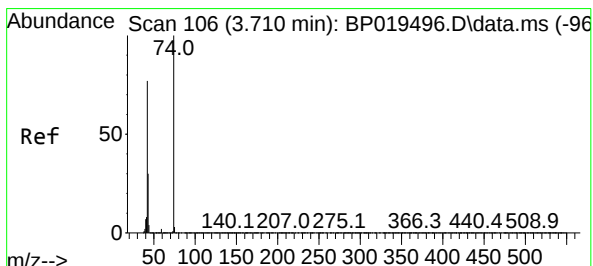
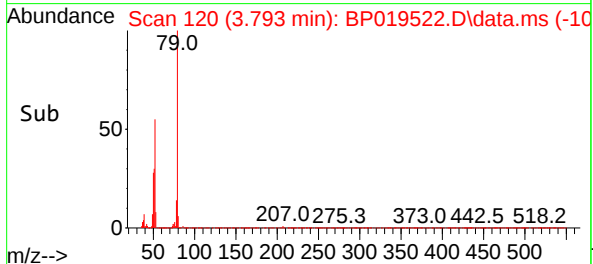
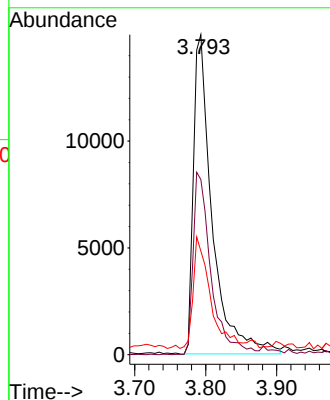
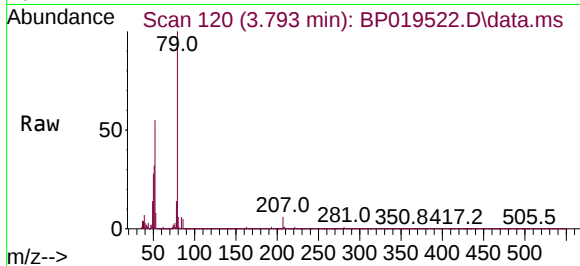




#3
Pyridine
Concen: 5.703 ng
RT: 3.793 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

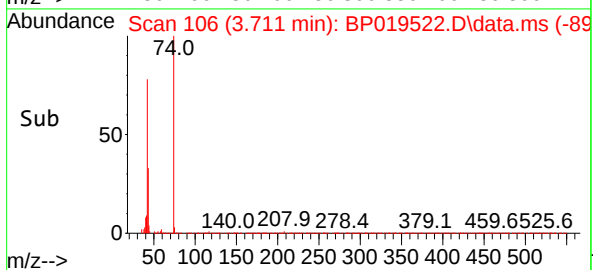
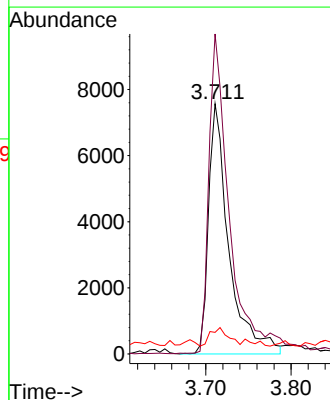
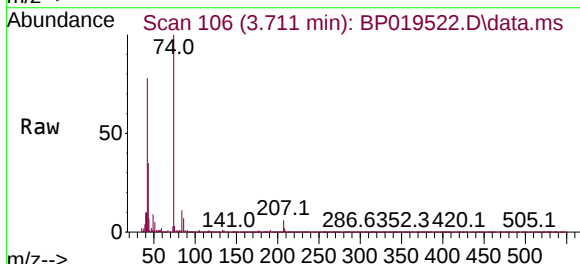
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

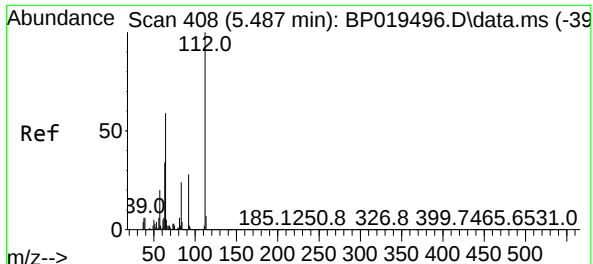
Tgt Ion: 79 Resp: 27487
Ion Ratio Lower Upper
79 100
52 54.8 45.0 67.6
51 32.4 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 5.992 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 42 Resp: 12572
Ion Ratio Lower Upper
42 100
74 127.9 103.4 155.2
44 8.6 4.8 7.2#

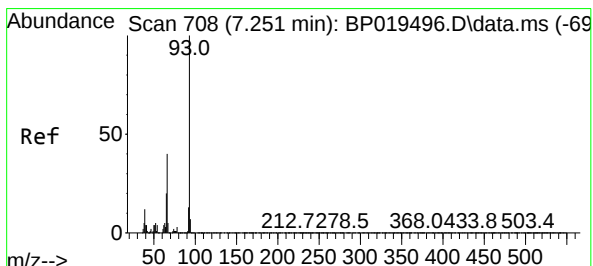
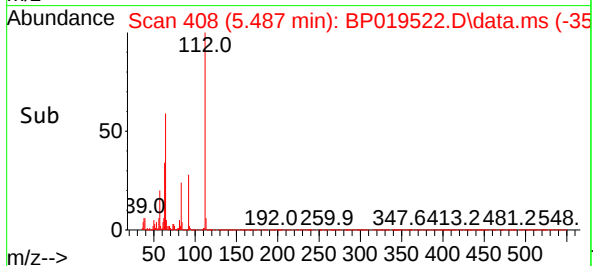
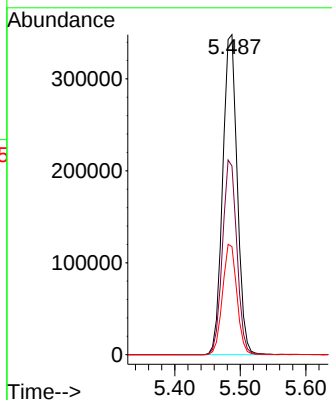
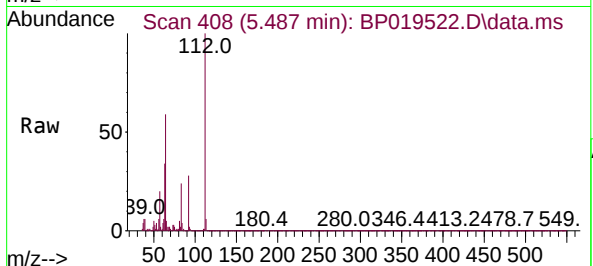




#5
2-Fluorophenol
Concen: 115.903 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

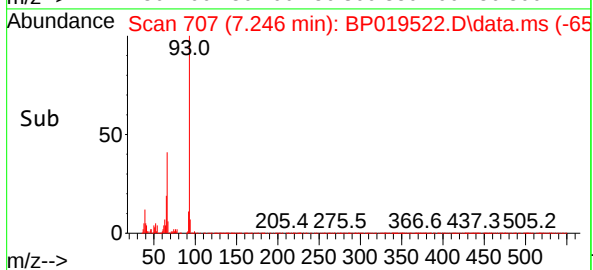
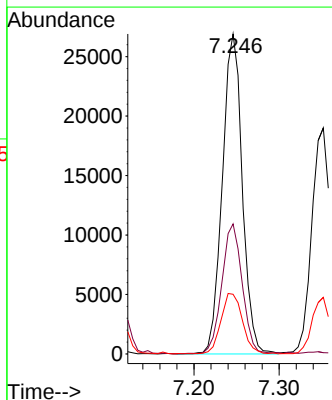
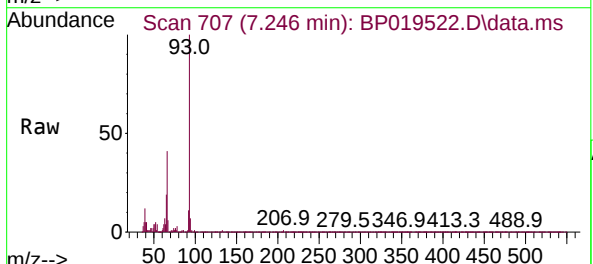
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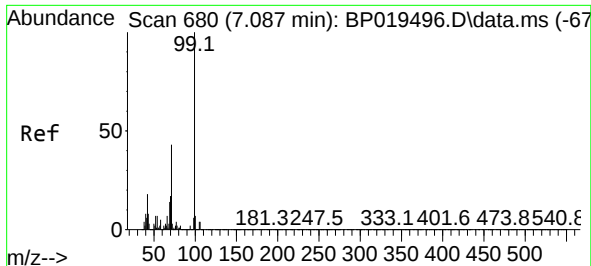
Tgt Ion:112 Resp: 534754
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 33.8 27.0 40.6



#6
Aniline
Concen: 7.241 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 93 Resp: 43769
Ion Ratio Lower Upper
93 100
66 40.6 32.3 48.5
65 18.6 16.4 24.6

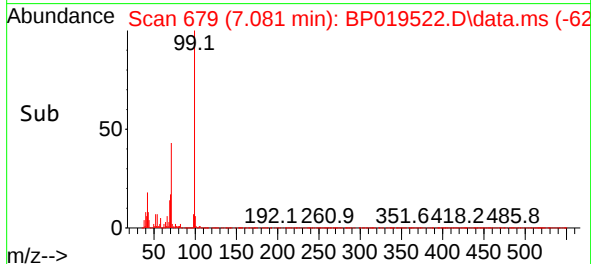
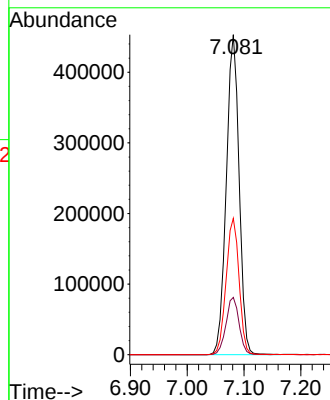
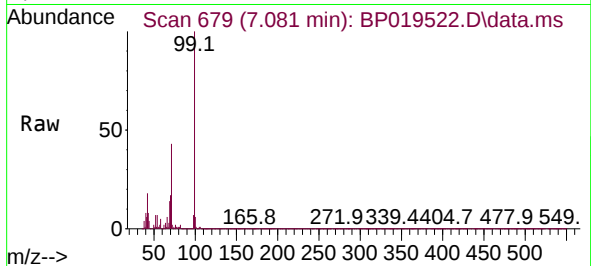




#7
Phenol-d6
Concen: 114.481 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

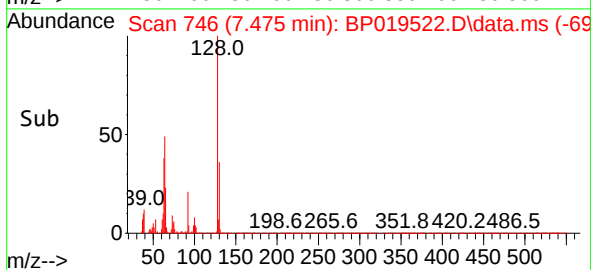
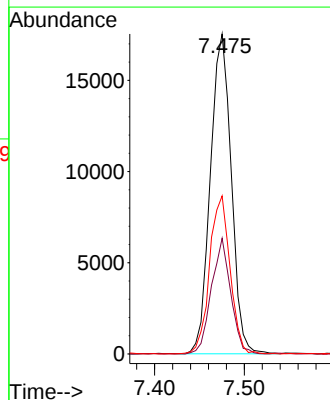
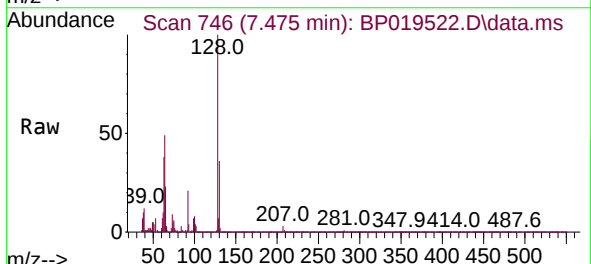
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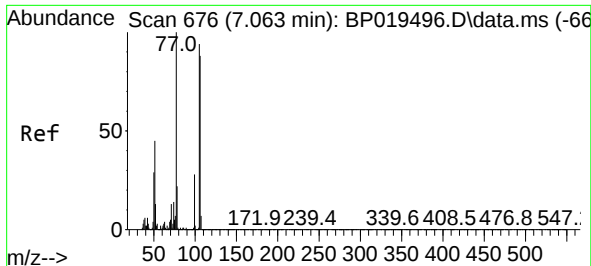
Tgt Ion: 99 Resp: 712197
Ion Ratio Lower Upper
99 100
42 17.9 14.7 22.1
71 42.6 34.8 52.2



#8
2-Chlorophenol
Concen: 5.991 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 128 Resp: 28379
Ion Ratio Lower Upper
128 100
130 36.2 13.3 53.3
64 49.4 29.7 69.7





#9

Benzaldehyde

Concen: 7.045 ng

RT: 7.058 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

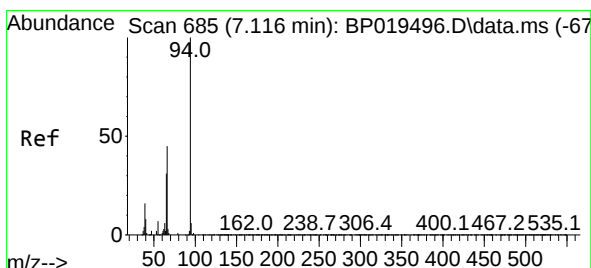
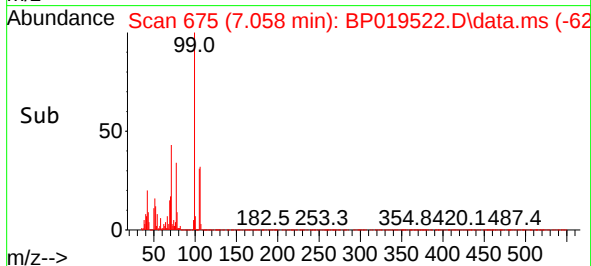
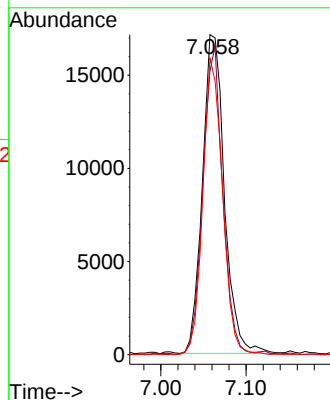
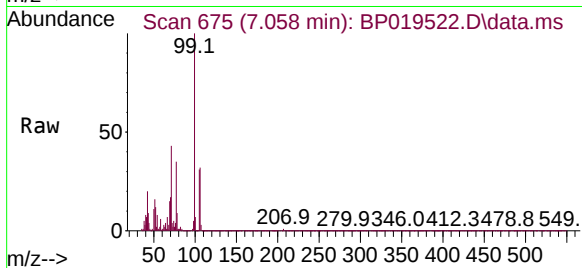
Tgt Ion: 77 Resp: 30727

Ion Ratio Lower Upper

77 100

105 88.6 74.0 114.0

106 92.7 67.8 107.8



#10

Phenol

Concen: 6.236 ng

RT: 7.105 min Scan# 683

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

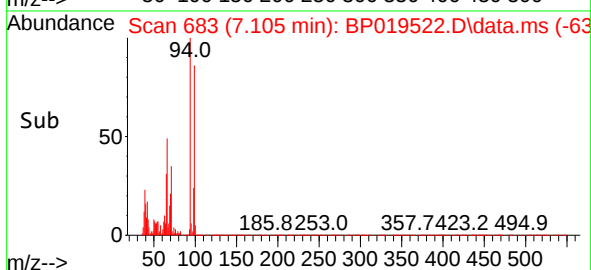
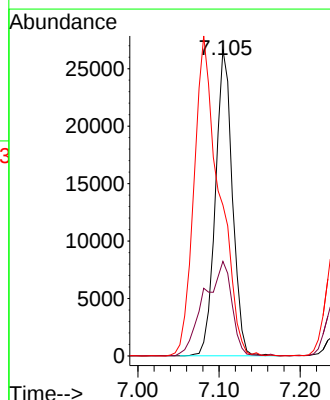
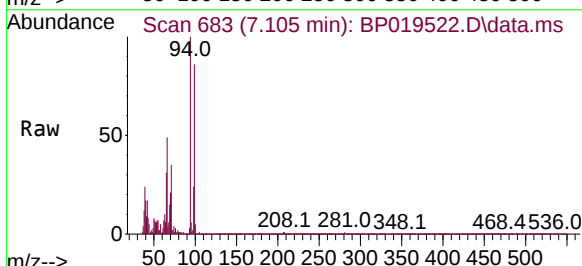
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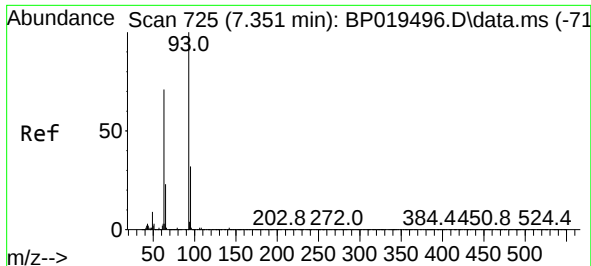
Ion Ratio Lower Upper

94 100

65 30.9 11.3 51.3

66 49.2 25.1 65.1

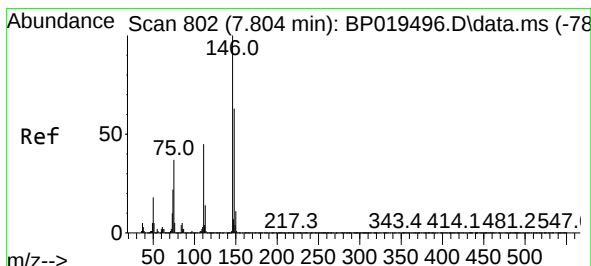
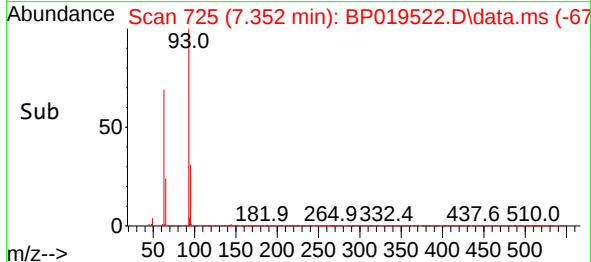
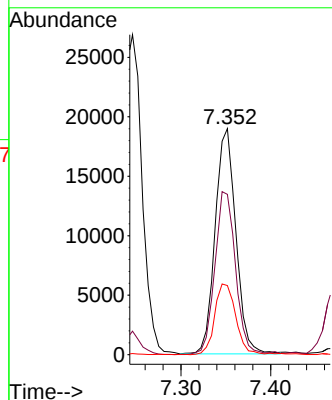
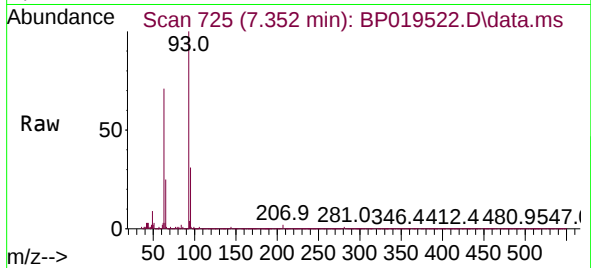




#11
bis(2-Chloroethyl)ether
Concen: 6.304 ng
RT: 7.352 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

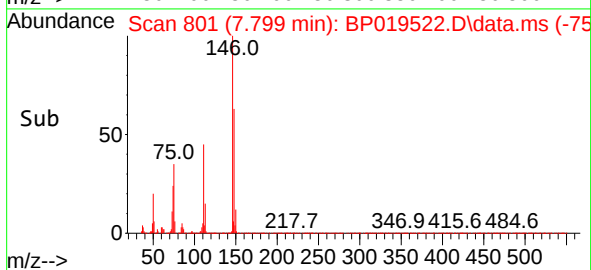
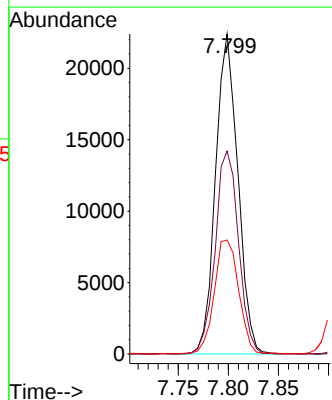
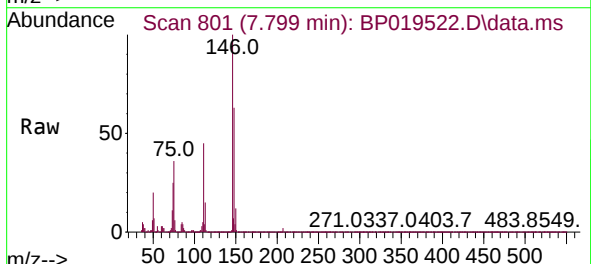
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

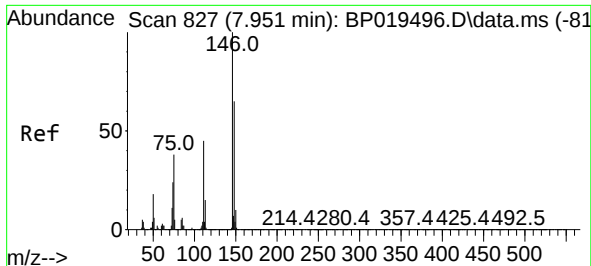
Tgt Ion: 93 Resp: 30412
Ion Ratio Lower Upper
93 100
63 70.9 51.2 91.2
95 30.6 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 5.980 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 146 Resp: 34661
Ion Ratio Lower Upper
146 100
148 63.4 50.4 75.6
75 35.6 29.9 44.9

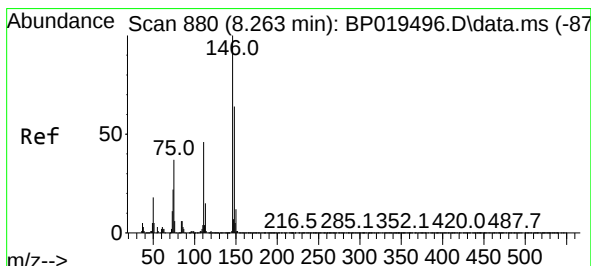
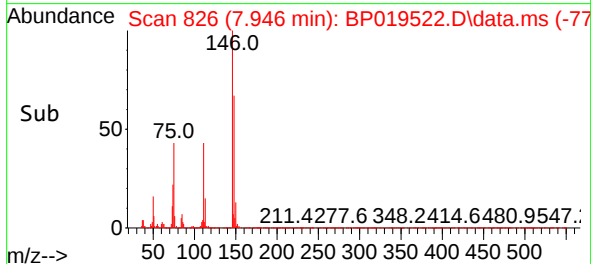
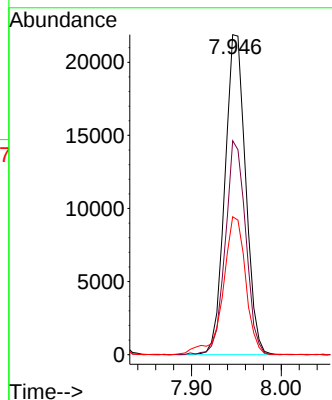
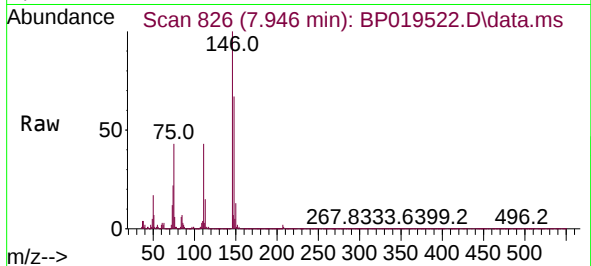




#13
1,4-Dichlorobenzene
Concen: 5.986 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

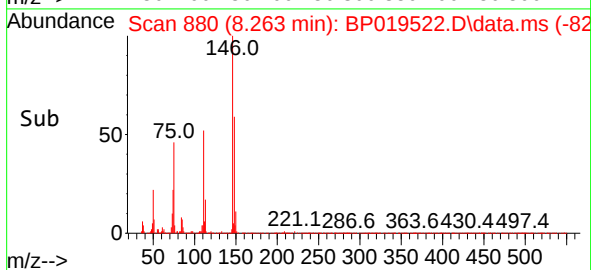
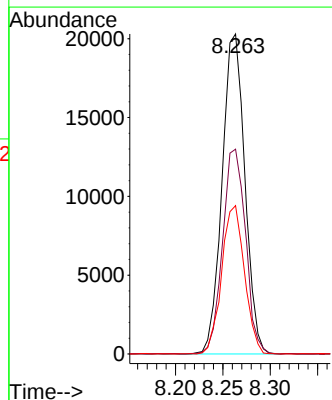
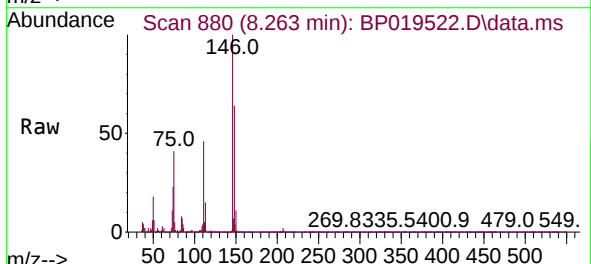
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

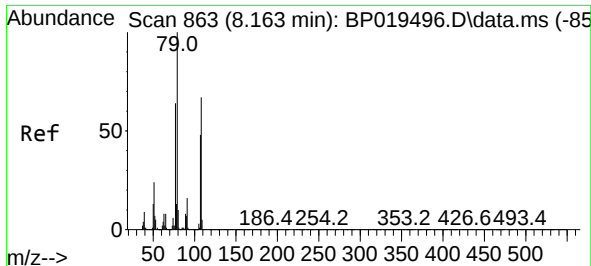
Tgt Ion:146 Resp: 35154
Ion Ratio Lower Upper
146 100
148 66.8 51.9 77.9
111 43.1 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 5.972 ng
RT: 8.263 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:146 Resp: 33933
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.0
111 46.3 37.0 55.6

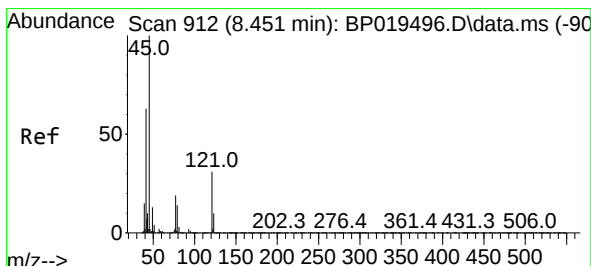
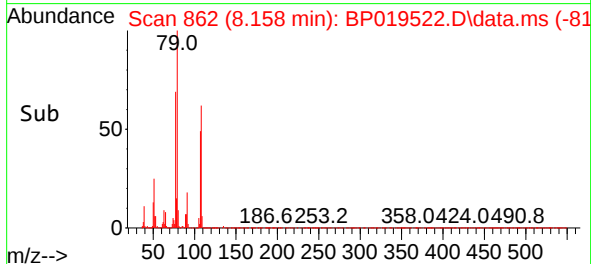
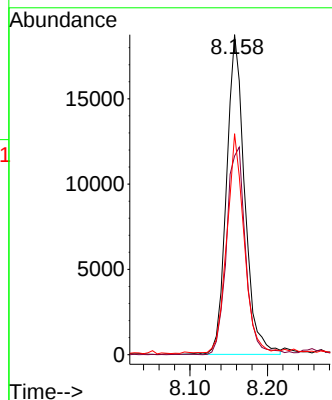
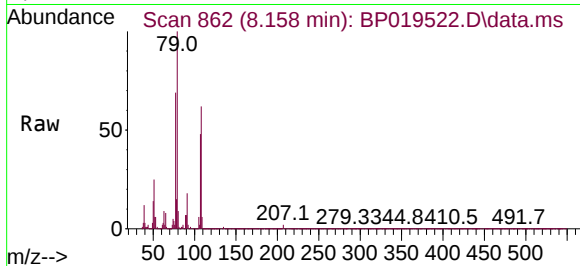




#15
Benzyl Alcohol
Concen: 6.134 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

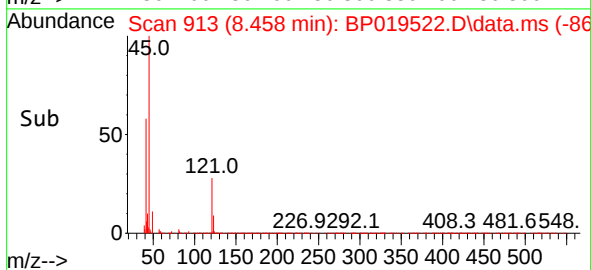
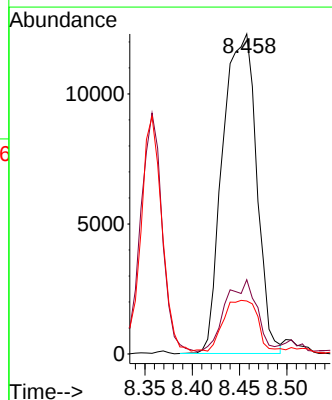
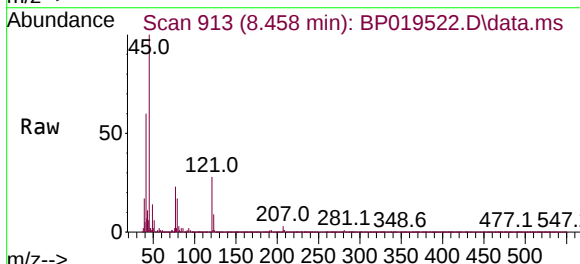
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

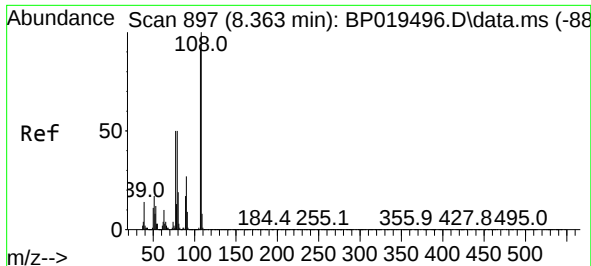
Tgt Ion: 79 Resp: 30489
Ion Ratio Lower Upper
79 100
108 62.1 53.8 80.6
77 69.1 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.323 ng
RT: 8.458 min Scan# 913
Delta R.T. 0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 45 Resp: 30499
Ion Ratio Lower Upper
45 100
77 23.2 0.8 40.8
79 16.5 0.0 35.5





#17

2-Methylphenol

Concen: 6.113 ng

RT: 8.358 min Scan# 897

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:107 Resp: 25517

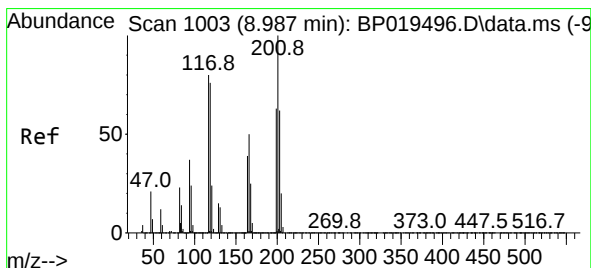
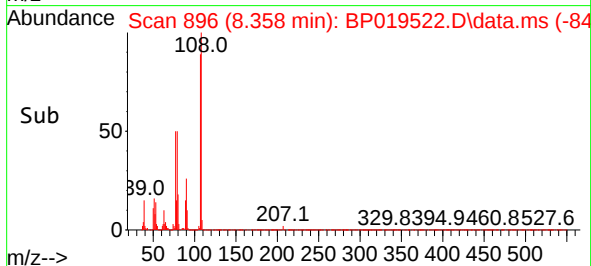
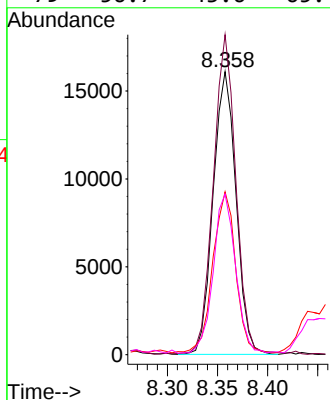
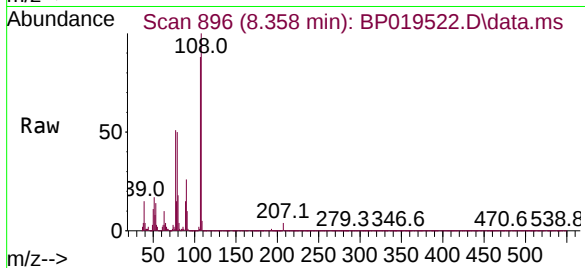
Ion Ratio Lower Upper

107 100

108 113.1 87.0 130.6

77 57.6 43.5 65.3

79 56.7 43.6 65.4



#18

Hexachloroethane

Concen: 5.765 ng

RT: 8.987 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

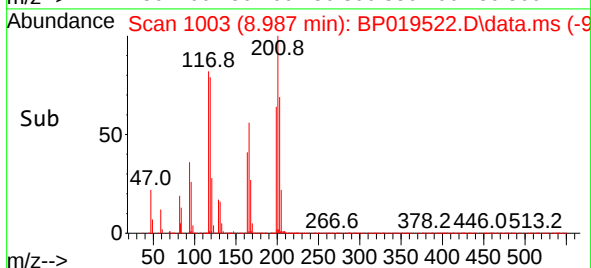
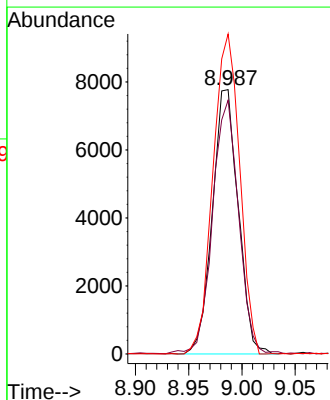
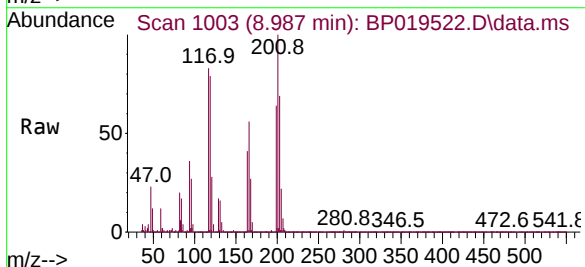
Tgt Ion:117 Resp: 13123

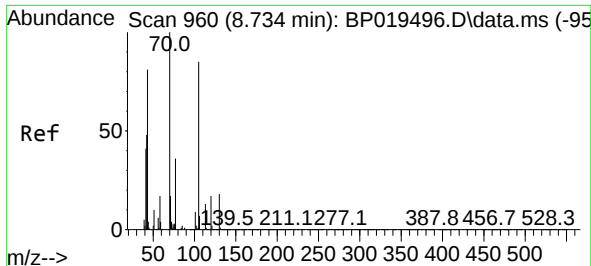
Ion Ratio Lower Upper

117 100

119 96.0 75.5 113.3

201 121.1 99.4 149.2

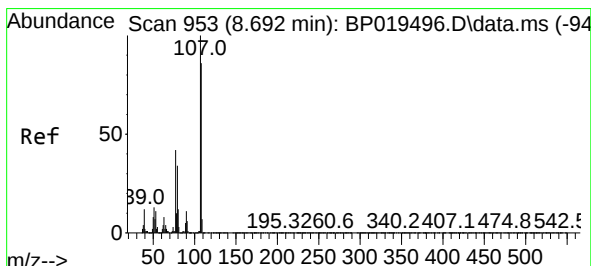
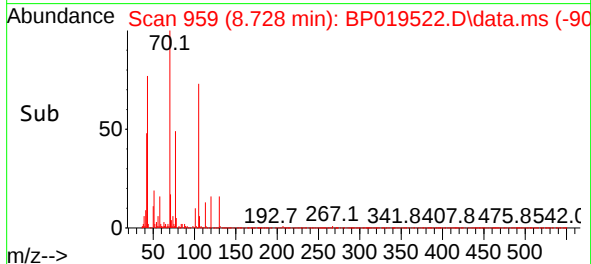
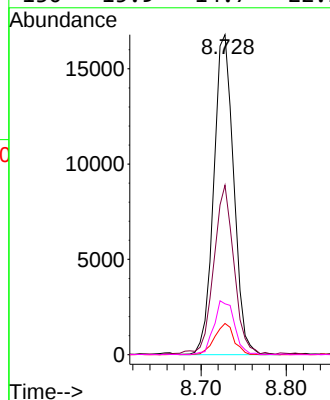
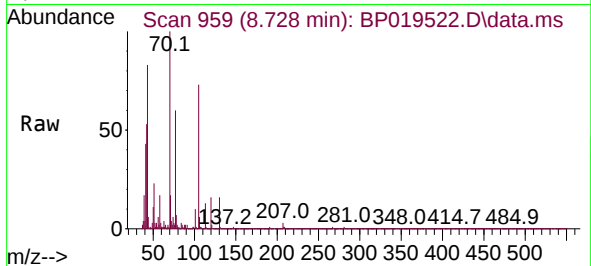




#19
n-Nitroso-di-n-propylamine
Concen: 6.416 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

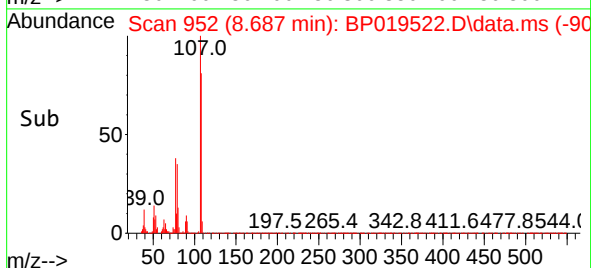
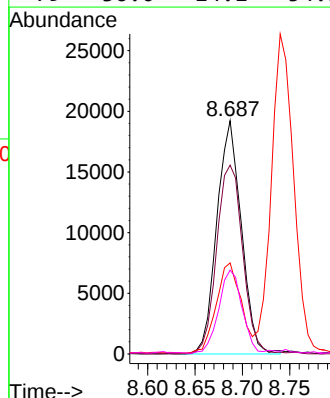
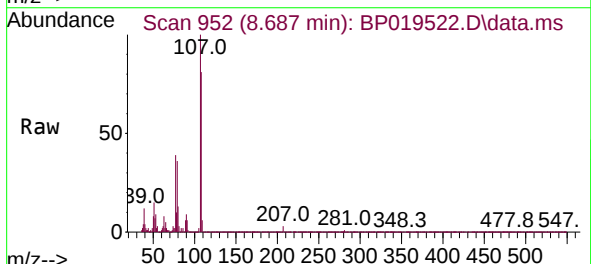
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

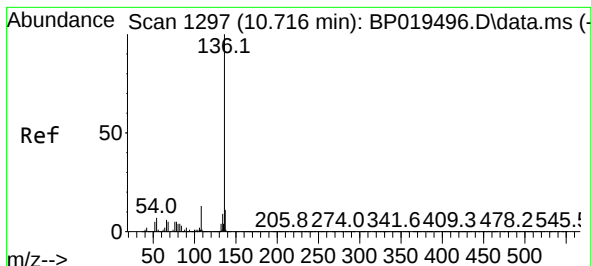
Tgt Ion:	70	Resp:	27262
Ion	Ratio	Lower	Upper
70	100		
42	53.0	39.2	58.8
101	9.7	7.3	10.9
130	15.9	14.7	22.1



#20
3+4-Methylphenols
Concen: 6.065 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	107	Resp:	34554
Ion	Ratio	Lower	Upper
107	100		
108	81.0	65.5	105.5
77	39.1	21.8	61.8
79	36.0	14.1	54.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.710 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:136 Resp: 296505

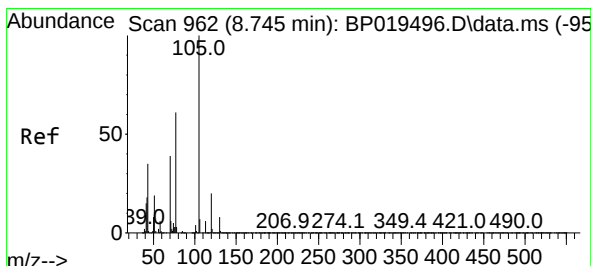
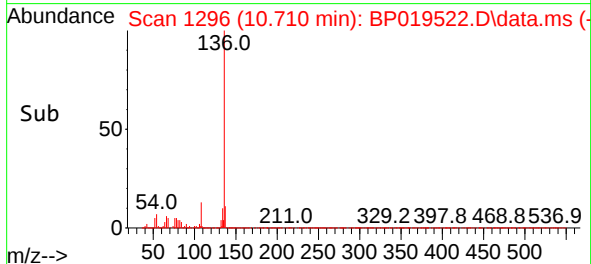
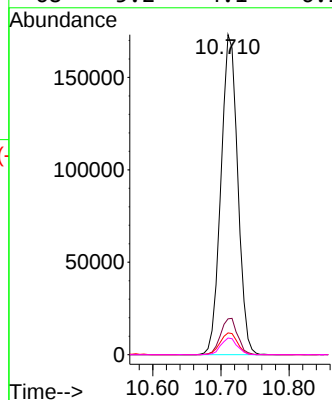
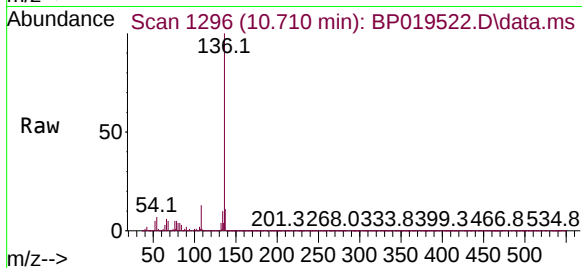
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.8 5.3 7.9

68 5.2 4.1 6.1



#22

Acetophenone

Concen: 6.090 ng

RT: 8.746 min Scan# 962

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion:105 Resp: 51446

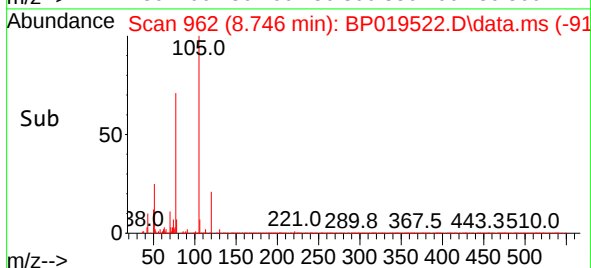
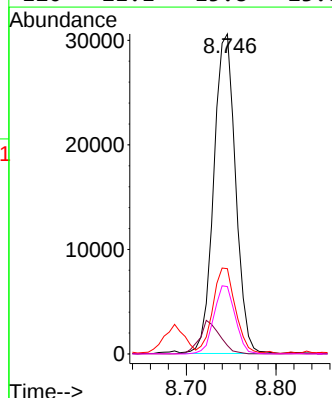
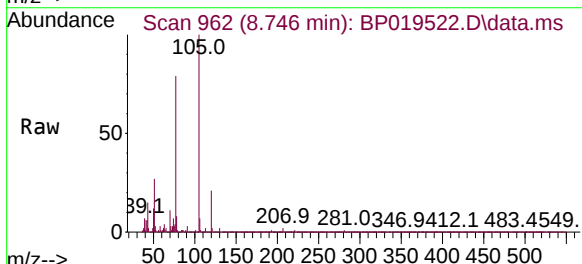
Ion Ratio Lower Upper

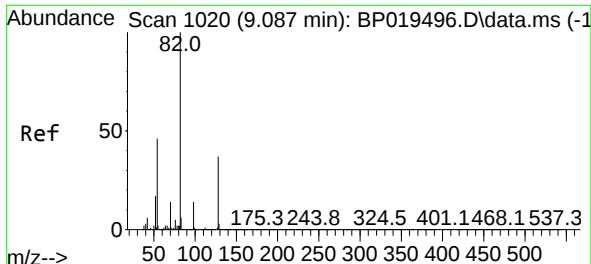
105 100

71 2.7 4.9 7.3

51 26.6 20.7 31.1

120 21.1 15.8 23.8

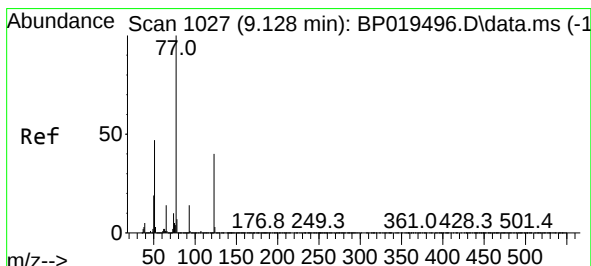
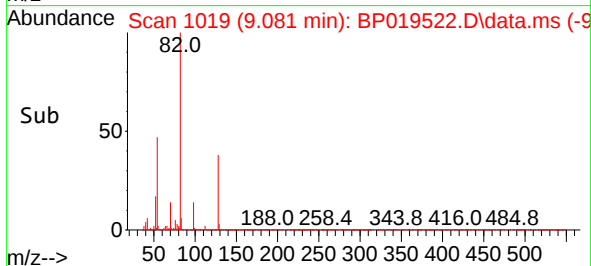
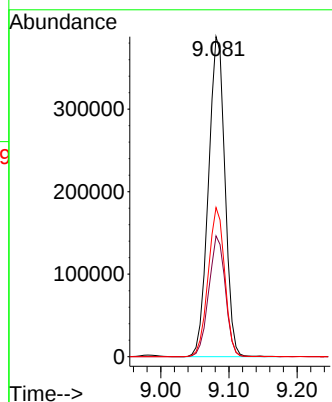
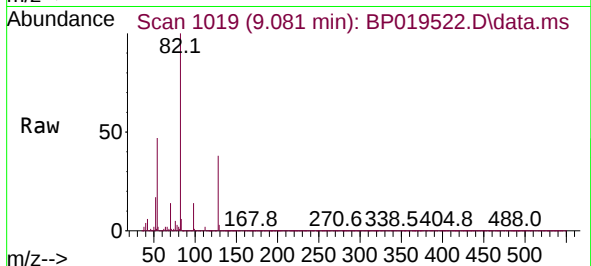




#23
Nitrobenzene-d5
Concen: 95.625 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

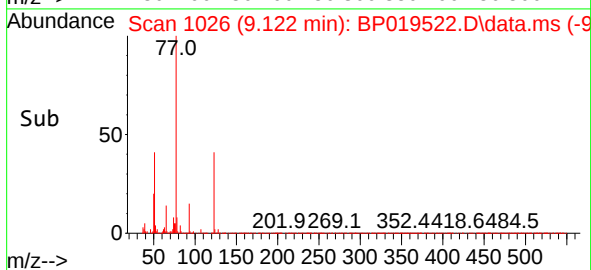
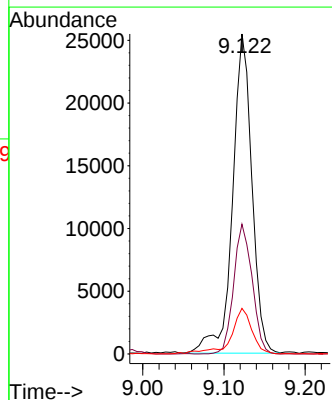
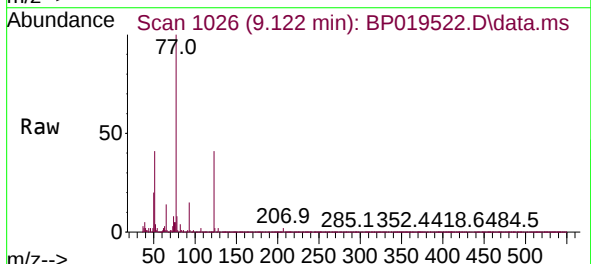
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

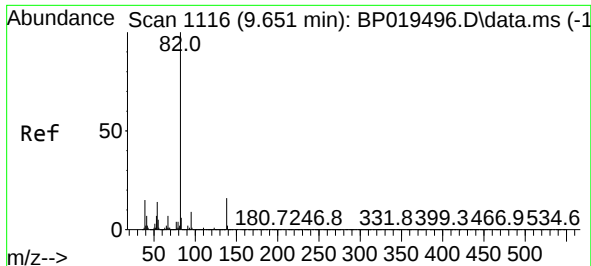
Tgt Ion: 82 Resp: 654338
Ion Ratio Lower Upper
82 100
128 37.8 29.7 44.5
54 46.6 36.8 55.2



#24
Nitrobenzene
Concen: 6.116 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 77 Resp: 42139
Ion Ratio Lower Upper
77 100
123 40.6 32.3 48.5
65 14.3 11.6 17.4

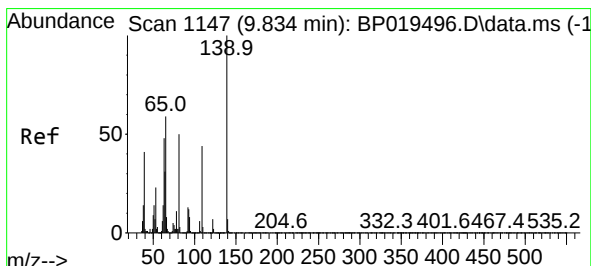
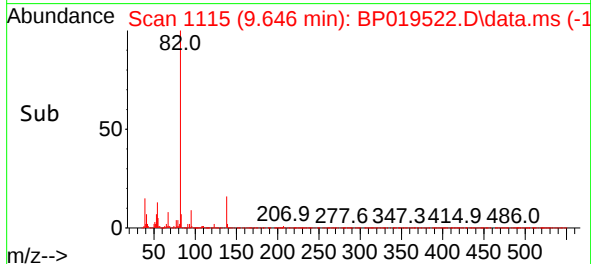
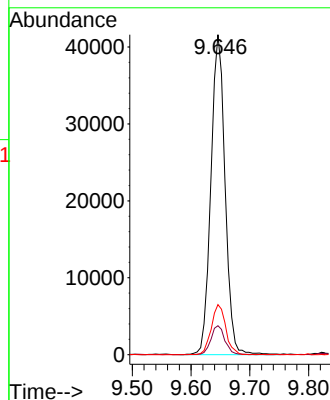
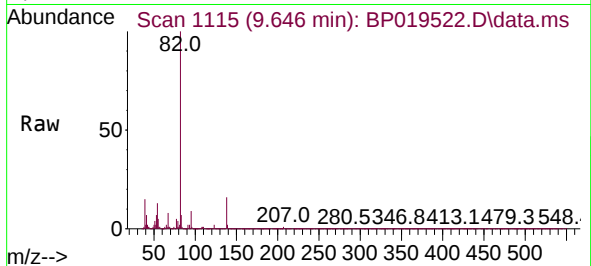




#25
Isophorone
Concen: 5.835 ng
RT: 9.646 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

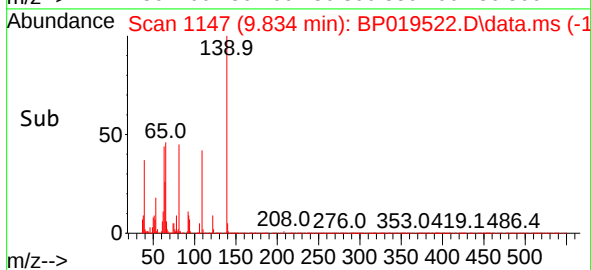
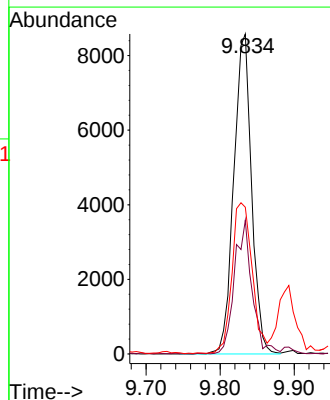
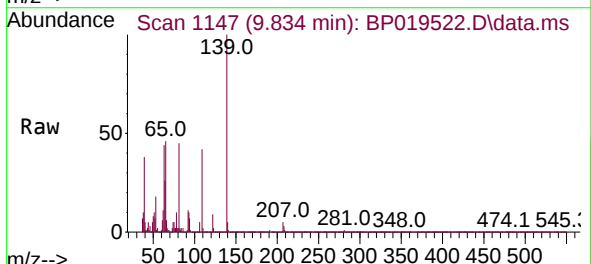
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 82	Resp: 69533
Ion Ratio	Lower Upper
82 100	
95 9.1	7.0 10.4
138 15.6	13.1 19.7



#26
2-Nitrophenol
Concen: 5.438 ng
RT: 9.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion: 139	Resp: 14285
Ion Ratio	Lower Upper
139 100	
109 41.8	34.9 52.3
65 45.9	47.5 71.3





#27

2,4-Dimethylphenol

Concen: 7.094 ng

RT: 9.893 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BP019522.D

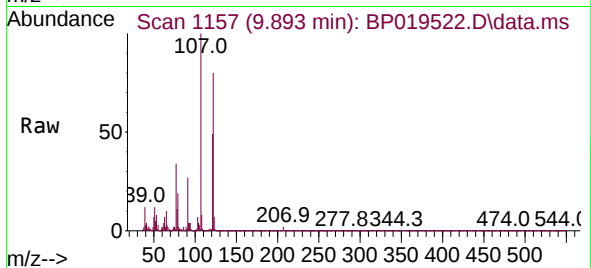
Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

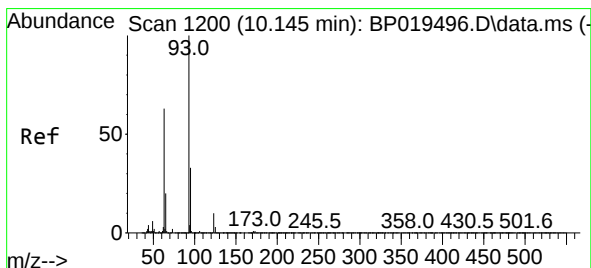
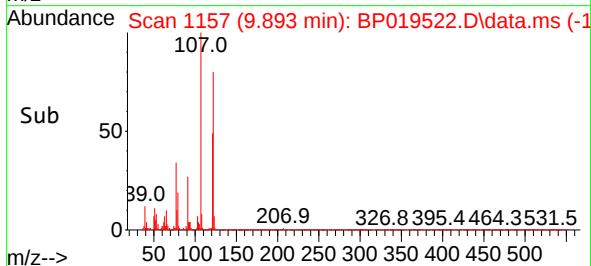
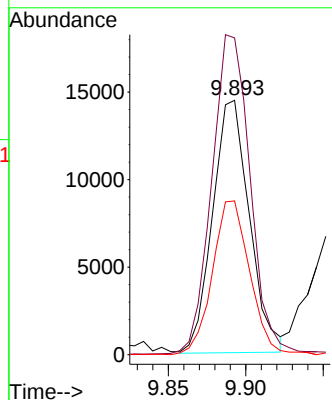
ClientSampleId :

LOQ-SOIL-02-QT4-2023



Tgt Ion:122 Resp: 23828

Ion	Ratio	Lower	Upper
122	100		
107	124.5	105.9	158.9
121	60.5	47.5	71.3



#28

bis(2-Chloroethoxy)methane

Concen: 6.173 ng

RT: 10.140 min Scan# 1199

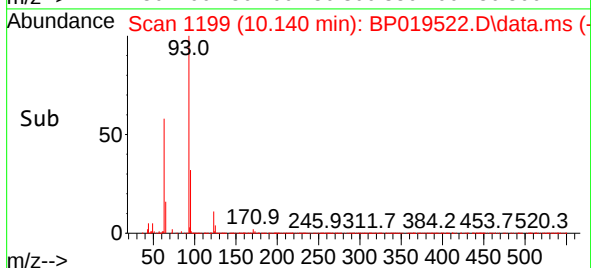
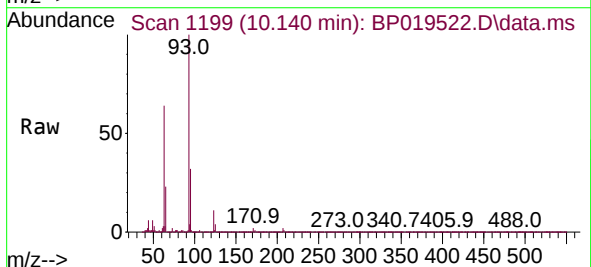
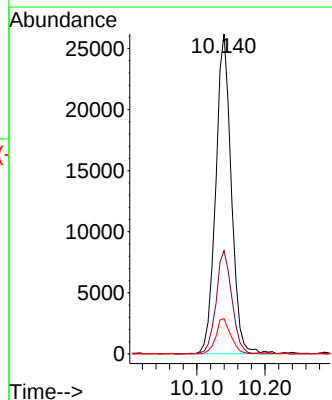
Delta R.T. -0.006 min

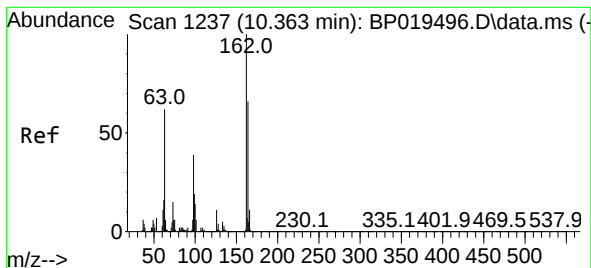
Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion: 93 Resp: 41619

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	11.0	8.5	12.7





#29

2,4-Dichlorophenol

Concen: 5.755 ng

RT: 10.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

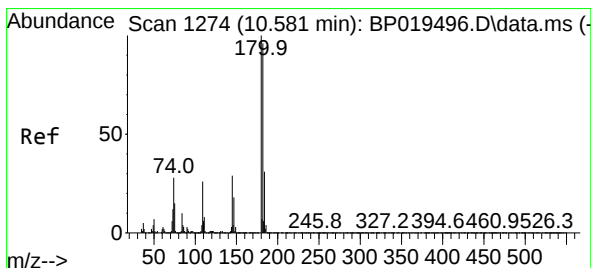
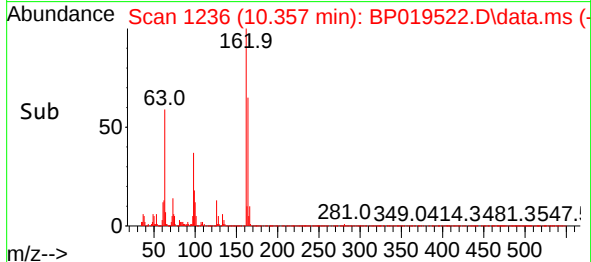
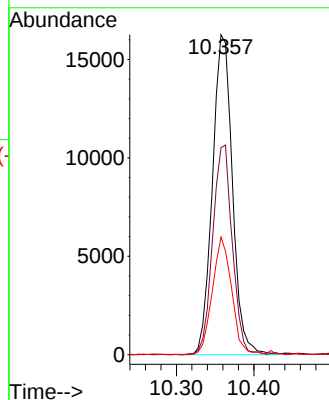
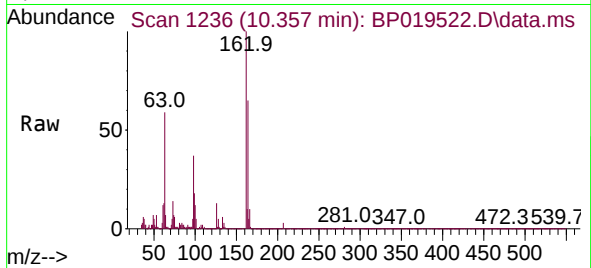
Tgt Ion:162 Resp: 29221

Ion Ratio Lower Upper

162 100

164 64.7 46.0 86.0

98 36.7 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 5.887 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

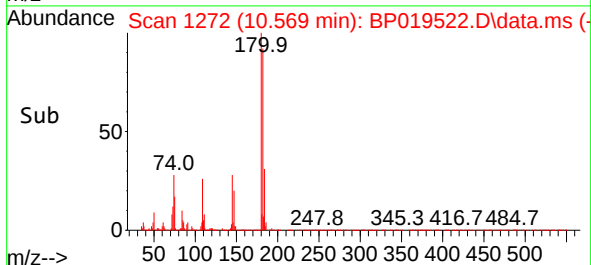
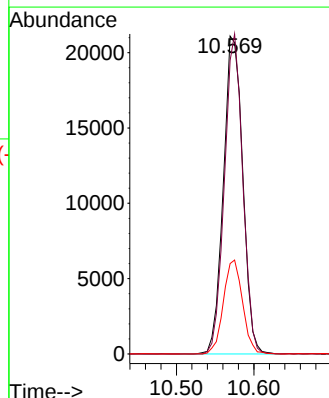
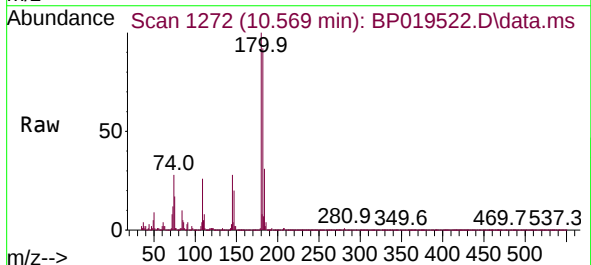
Tgt Ion:180 Resp: 36651

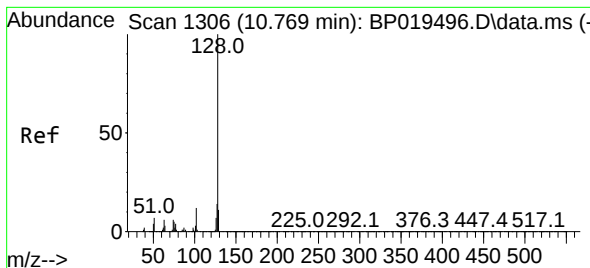
Ion Ratio Lower Upper

180 100

182 92.3 77.0 115.6

145 28.4 23.2 34.8





#31

Naphthalene

Concen: 5.936 ng

RT: 10.763 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

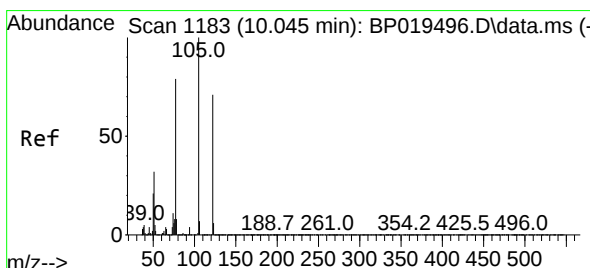
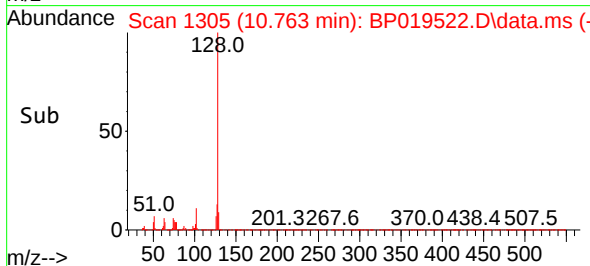
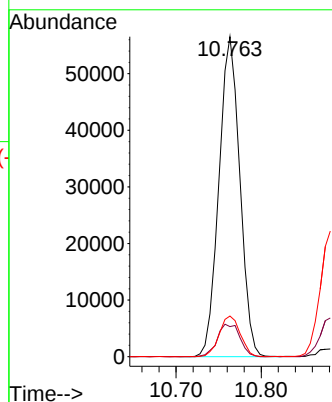
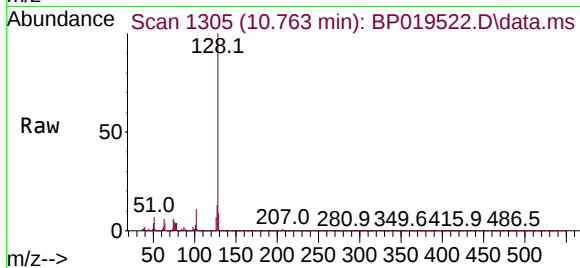
Tgt Ion:128 Resp: 96537

Ion Ratio Lower Upper

128 100

129 9.4 8.6 13.0

127 12.7 10.8 16.2



#32

Benzoic acid

Concen: 3.855 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.094 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

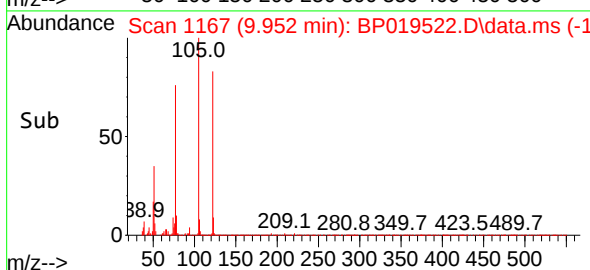
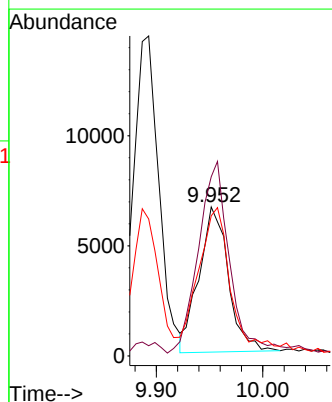
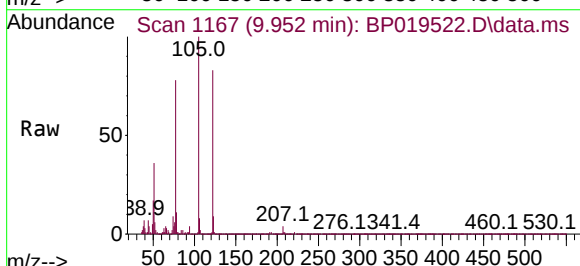
Tgt Ion:122 Resp: 12616

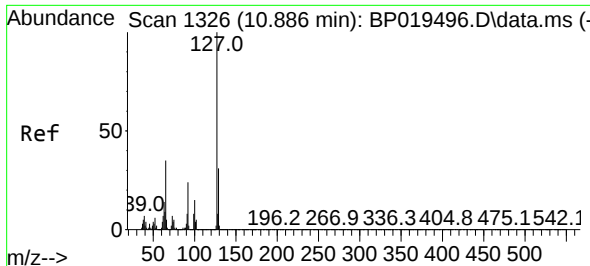
Ion Ratio Lower Upper

122 100

105 120.3 118.8 158.8

77 94.2 91.7 131.7

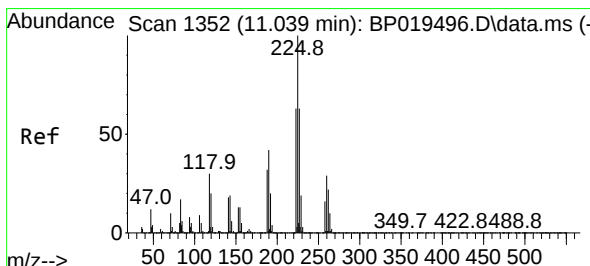
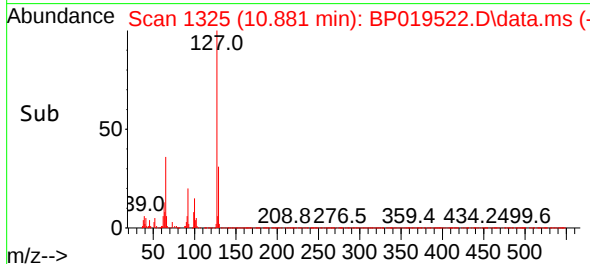
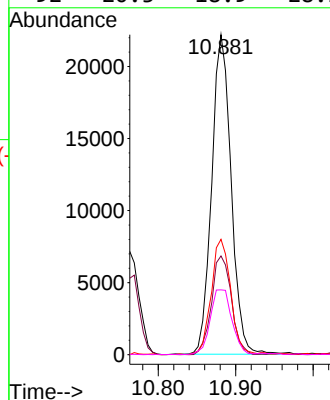
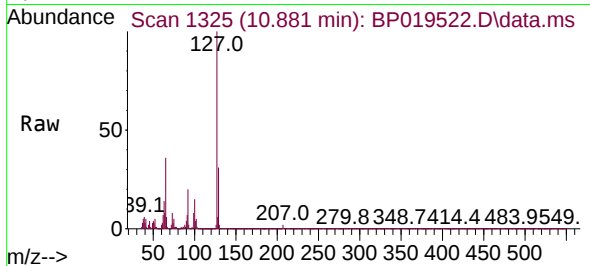




#33
4-Chloroaniline
Concen: 6.434 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

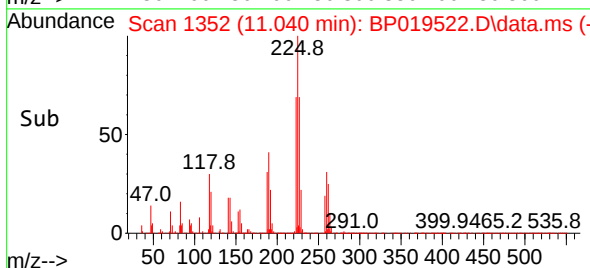
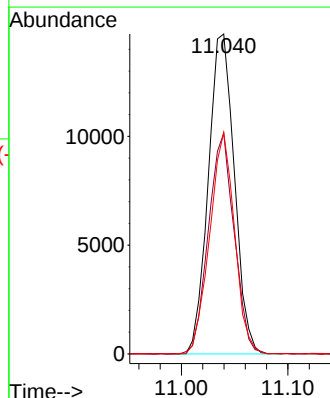
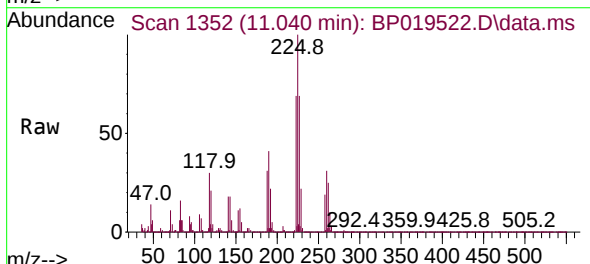
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

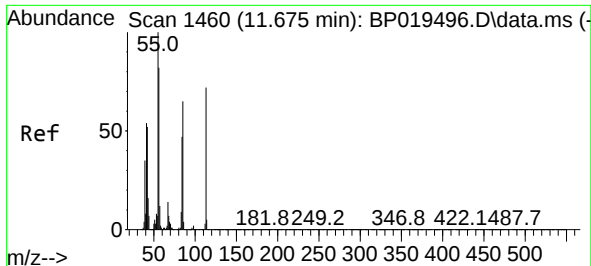
Tgt Ion:	127	Resp:	38693
Ion	Ratio	Lower	Upper
127	100		
129	30.9	24.6	36.8
65	36.0	28.2	42.4
92	20.3	18.9	28.3



#34
Hexachlorobutadiene
Concen: 5.416 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	225	Resp:	24986
Ion	Ratio	Lower	Upper
225	100		
223	69.0	50.5	75.7
227	69.2	50.2	75.2

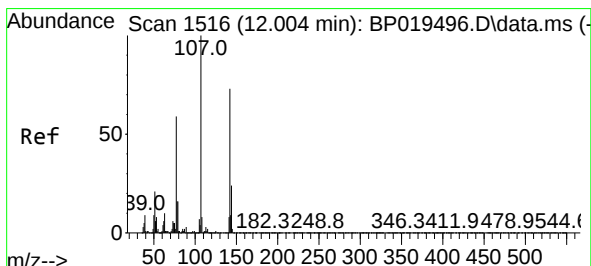
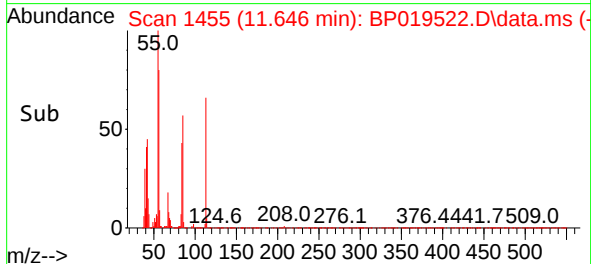
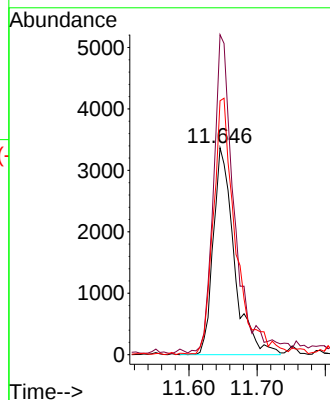
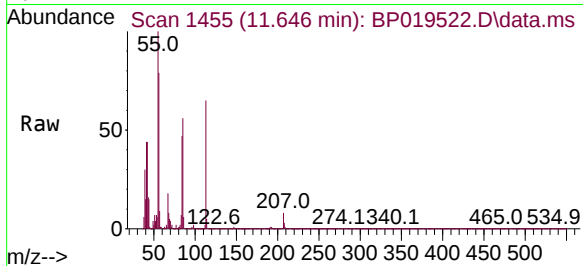




#35
Caprolactam
Concen: 5.011 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

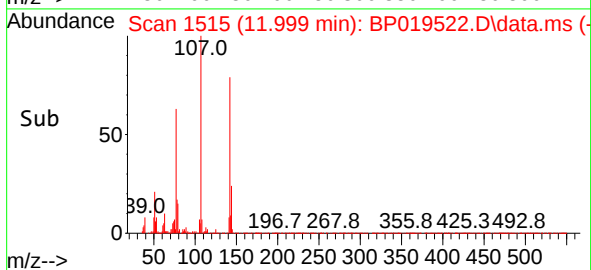
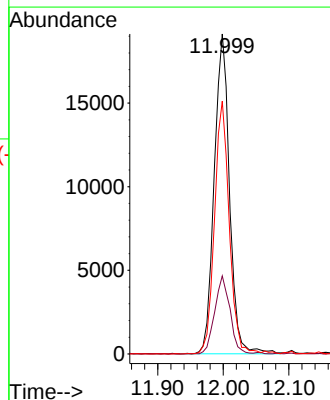
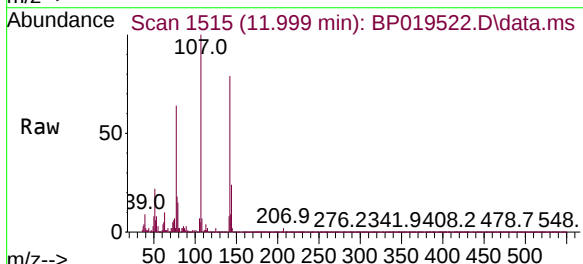
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

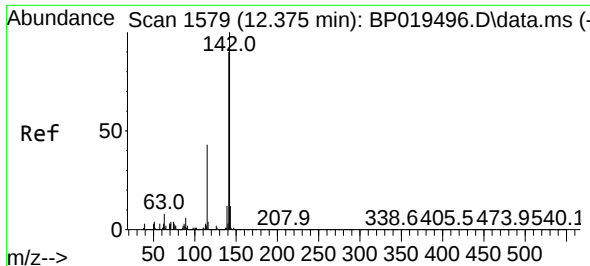
Tgt Ion:	113	Resp:	7203
Ion	Ratio	Lower	Upper
113	100		
55	154.7	120.0	160.0
56	122.8	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 5.591 ng
RT: 11.999 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	107	Resp:	30957
Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.0	28.4
142	79.0	58.6	88.0

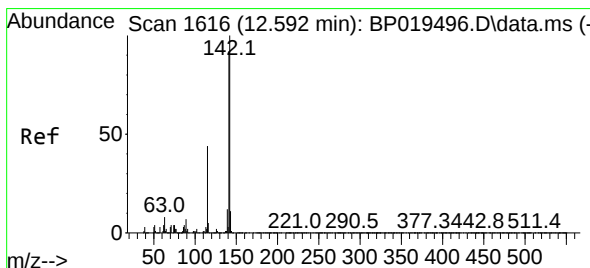
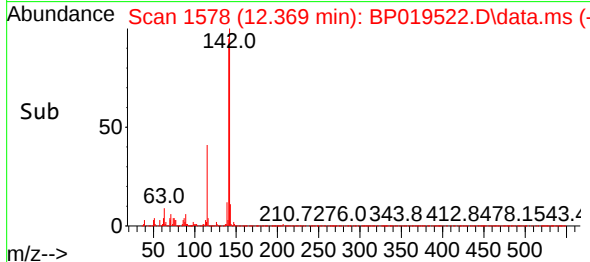
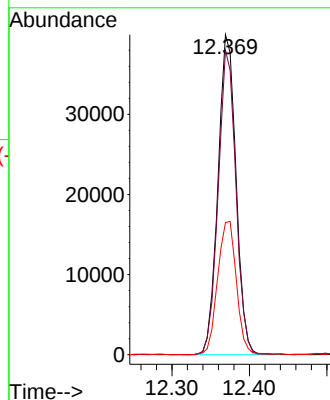
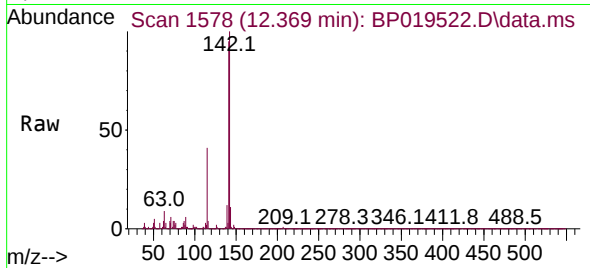




#37
2-Methylnaphthalene
Concen: 5.734 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

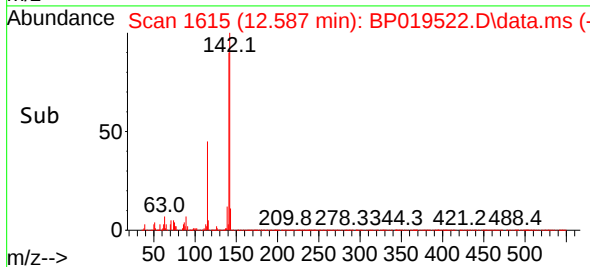
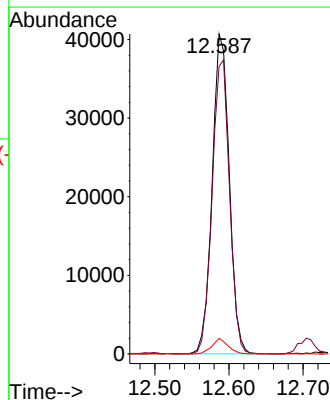
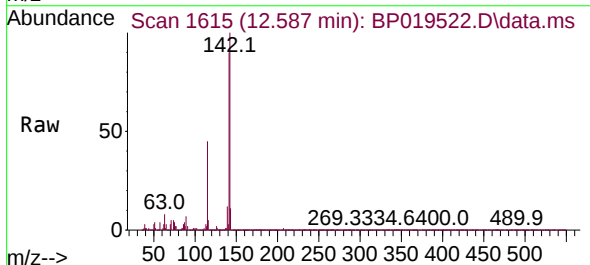
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

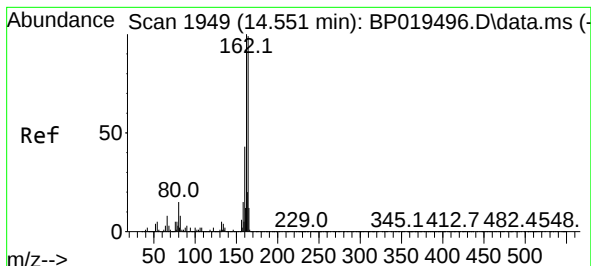
Tgt Ion:142 Resp: 64529
Ion Ratio Lower Upper
142 100
141 95.2 72.2 108.4
115 41.3 34.2 51.2



#38
1-Methylnaphthalene
Concen: 5.880 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:142 Resp: 65025
Ion Ratio Lower Upper
142 100
141 89.9 74.0 111.0
116 4.9 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

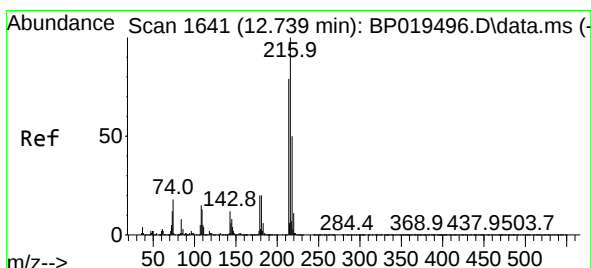
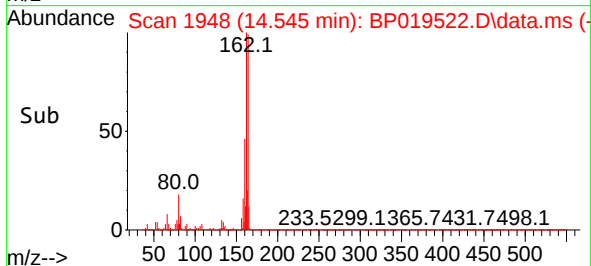
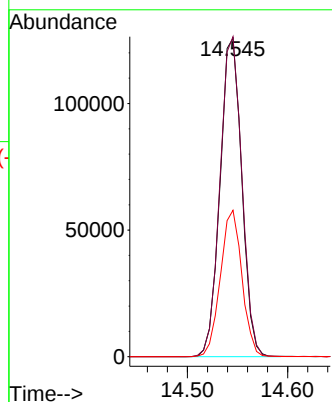
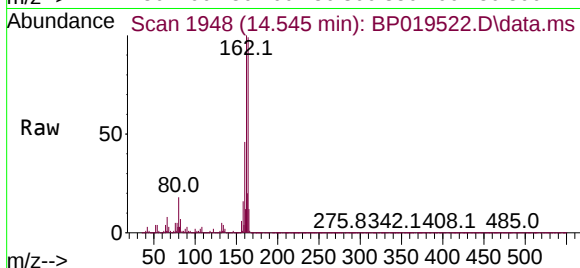
Tgt Ion:164 Resp: 188968

Ion Ratio Lower Upper

164 100

162 100.5 81.2 121.8

160 46.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.150 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion:216 Resp: 44819

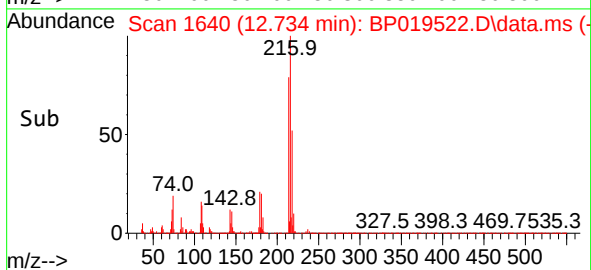
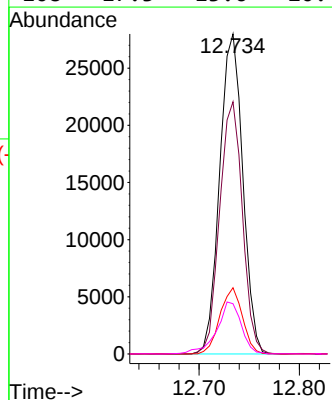
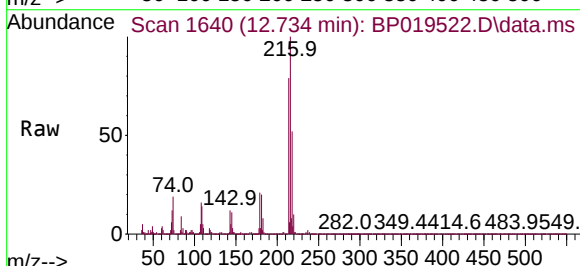
Ion Ratio Lower Upper

216 100

214 77.5 62.8 94.2

179 20.2 16.6 24.8

108 17.3 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 7.393 ng

RT: 12.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

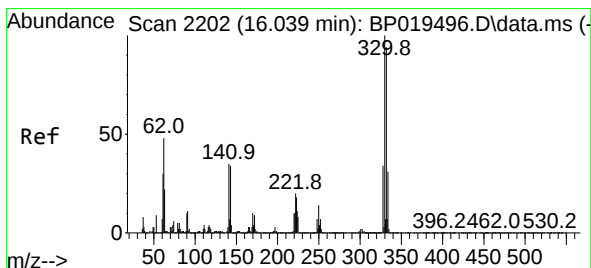
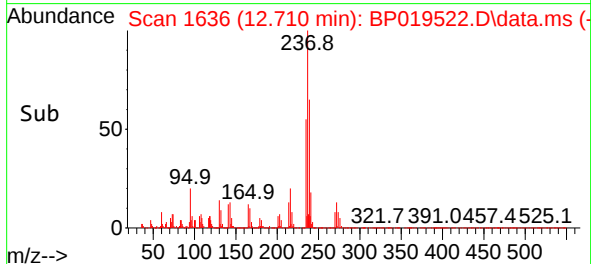
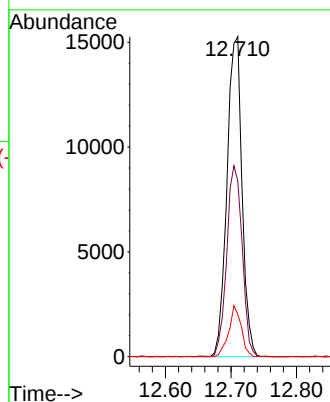
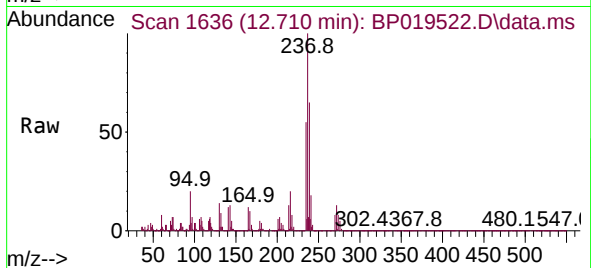
Tgt Ion:237 Resp: 24339

Ion Ratio Lower Upper

237 100

235 54.9 43.7 83.7

272 13.2 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 112.595 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

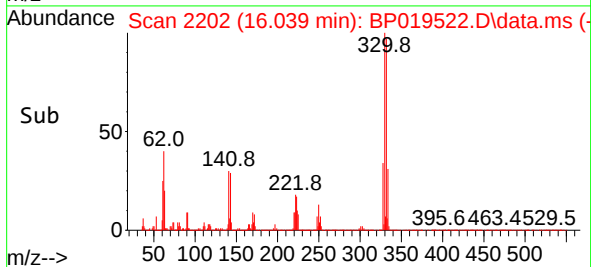
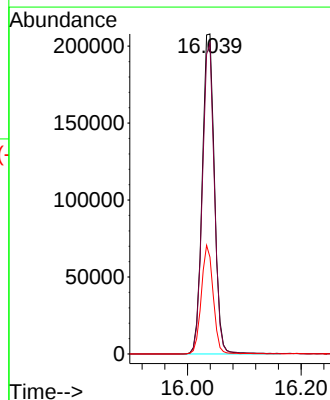
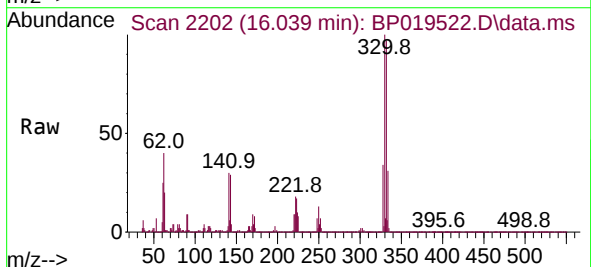
Tgt Ion:330 Resp: 310658

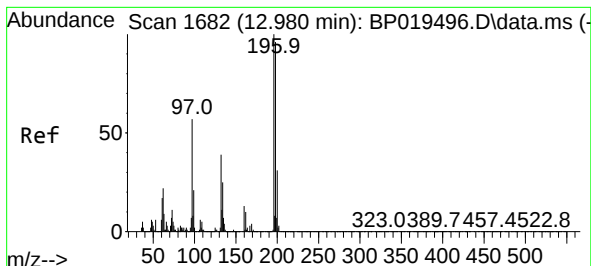
Ion Ratio Lower Upper

330 100

332 95.1 77.2 115.8

141 33.1 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 5.577 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

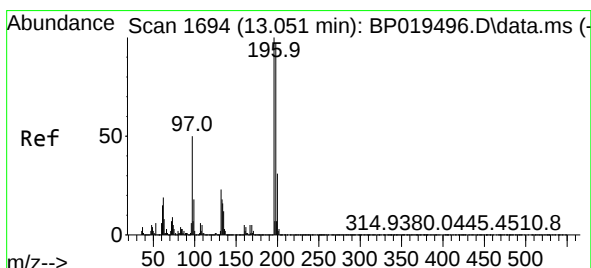
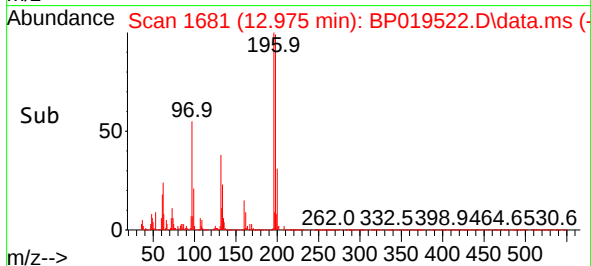
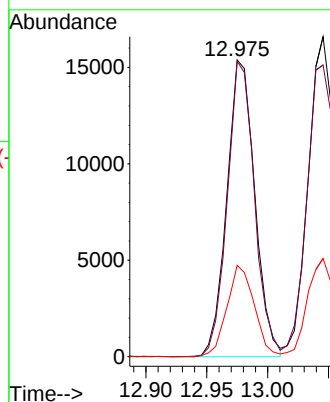
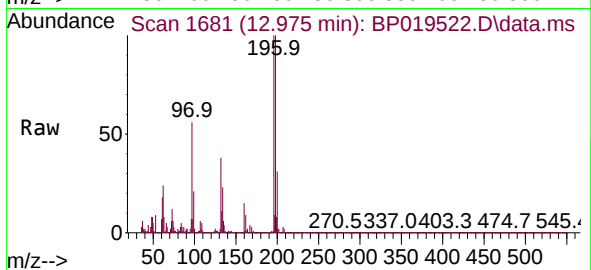
Tgt Ion:196 Resp: 24609

Ion Ratio Lower Upper

196 100

198 99.5 76.7 115.1

200 30.8 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 5.490 ng

RT: 13.046 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion:196 Resp: 26602

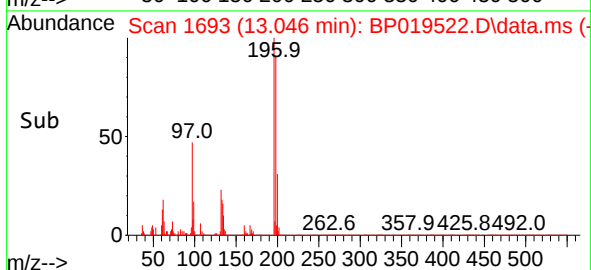
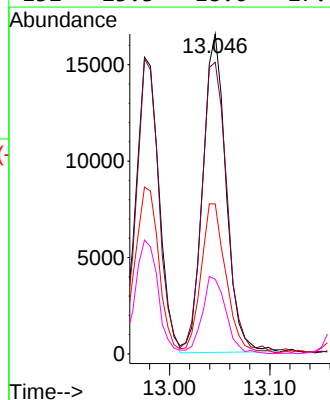
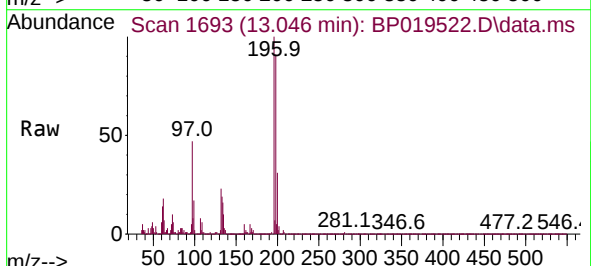
Ion Ratio Lower Upper

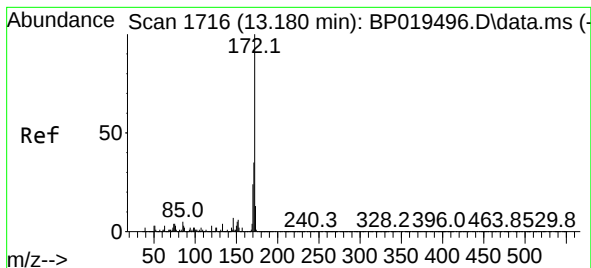
196 100

198 91.1 77.5 116.3

97 46.9 39.9 59.9

132 23.3 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 96.133 ng

RT: 13.175 min Scan# 1715

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

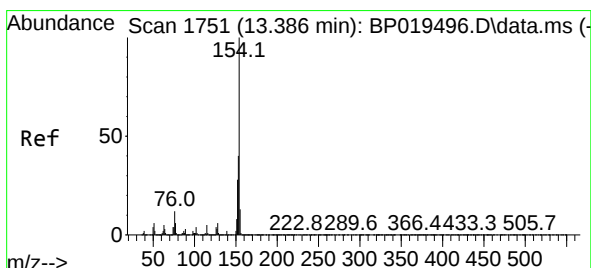
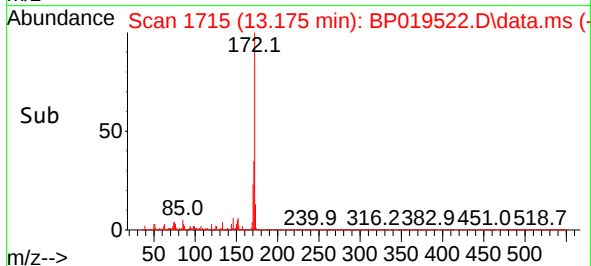
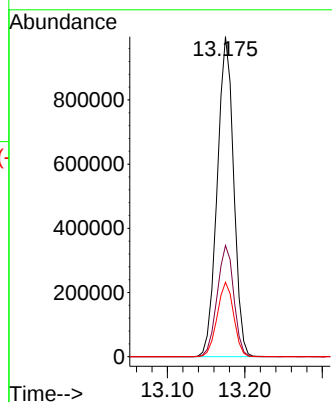
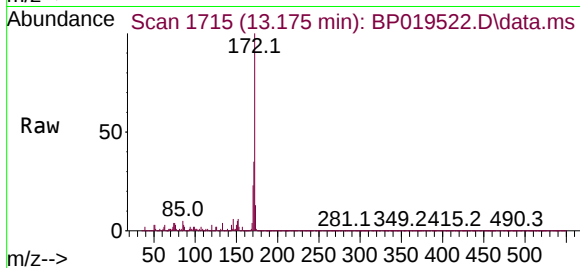
Tgt Ion:172 Resp: 1469480

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.3 18.9 28.3



#46

1,1'-Biphenyl

Concen: 6.289 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

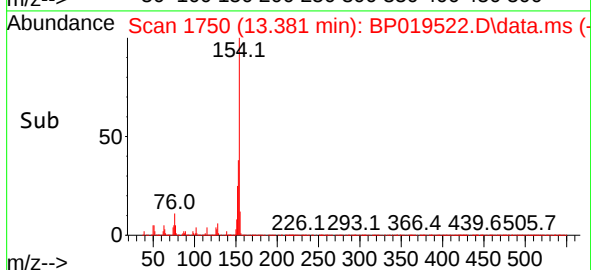
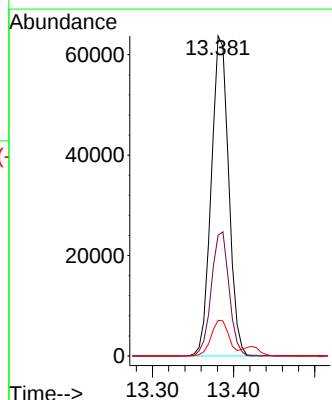
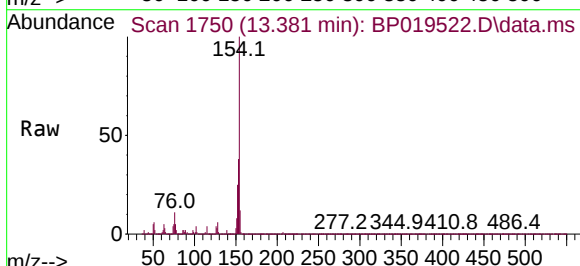
Tgt Ion:154 Resp: 94849

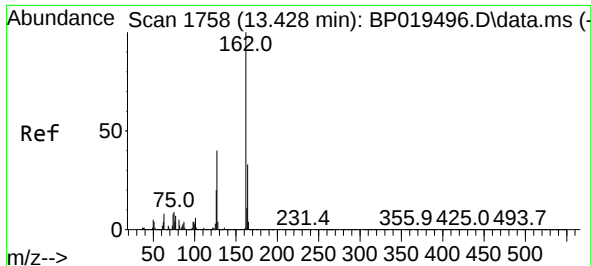
Ion Ratio Lower Upper

154 100

153 37.8 20.2 60.2

76 11.1 0.0 31.6





#47

2-Chloronaphthalene

Concen: 5.892 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

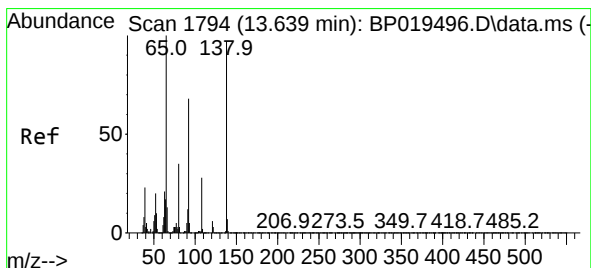
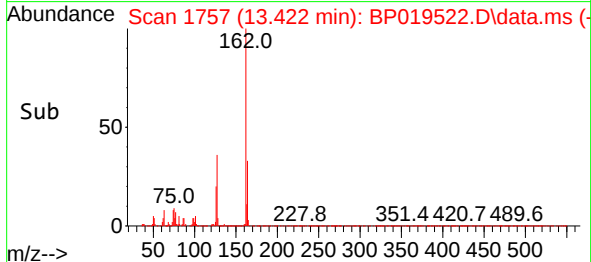
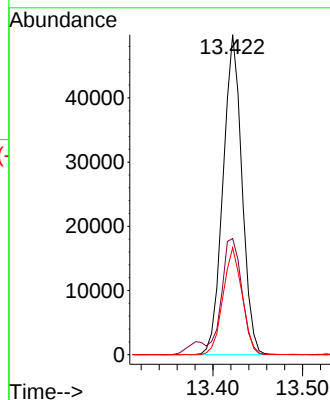
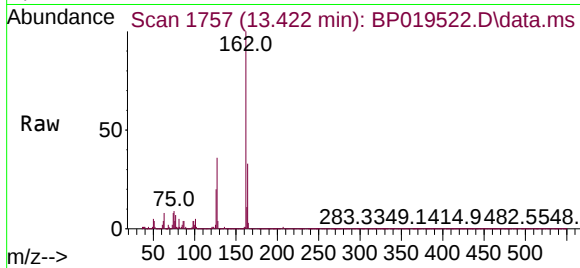
Tgt Ion:162 Resp: 72944

Ion Ratio Lower Upper

162 100

127 36.3 32.1 48.1

164 33.5 26.7 40.1



#48

2-Nitroaniline

Concen: 5.114 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

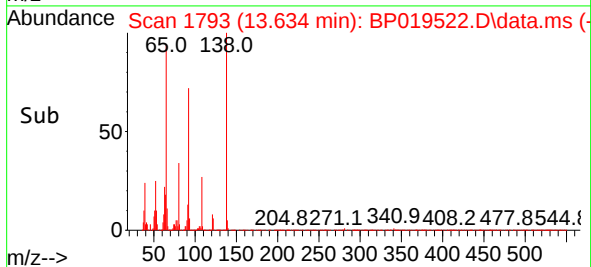
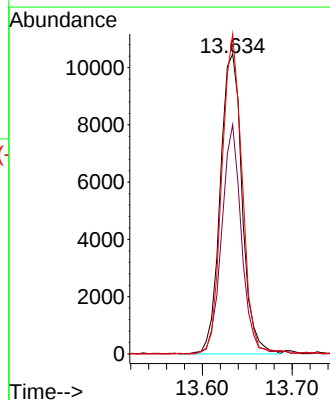
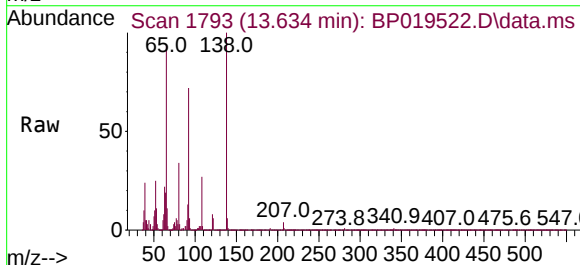
Tgt Ion: 65 Resp: 17705

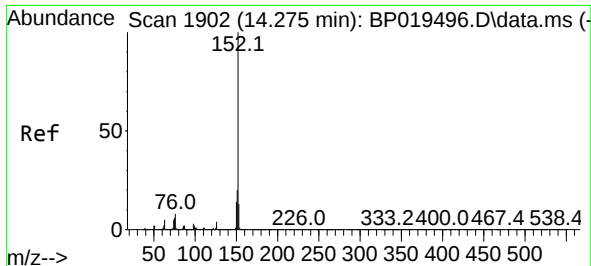
Ion Ratio Lower Upper

65 100

92 76.4 54.7 82.1

138 106.7 77.8 116.6

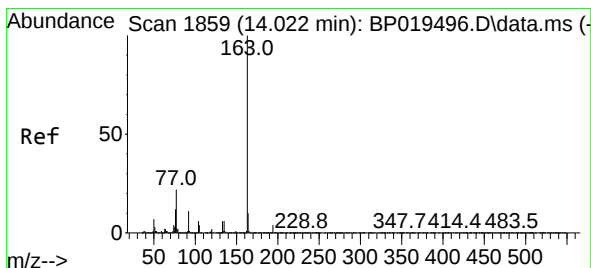
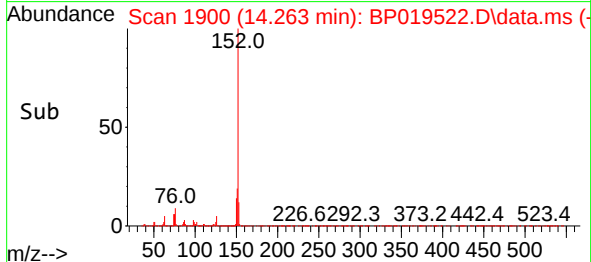
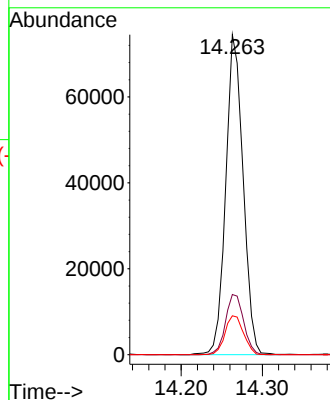
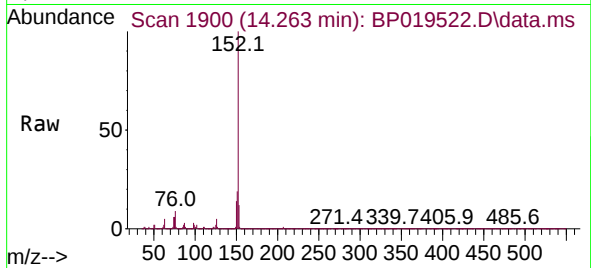




#49
Acenaphthylene
Concen: 6.371 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

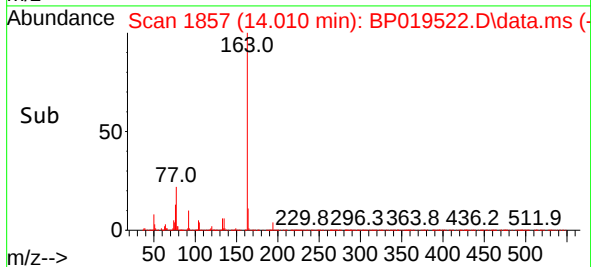
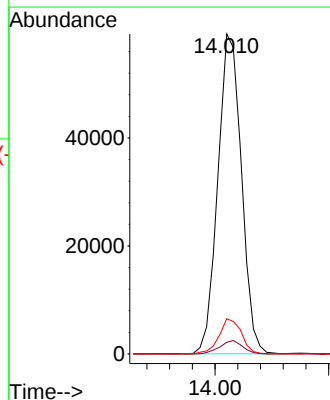
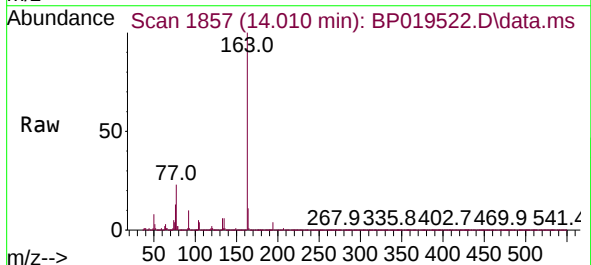
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

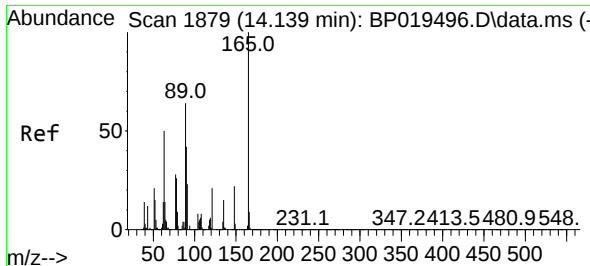
Tgt Ion:152 Resp: 110668
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.6
153 12.1 10.6 15.8



#50
Dimethylphthalate
Concen: 5.915 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:163 Resp: 85569
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.2
164 11.0 7.8 11.6

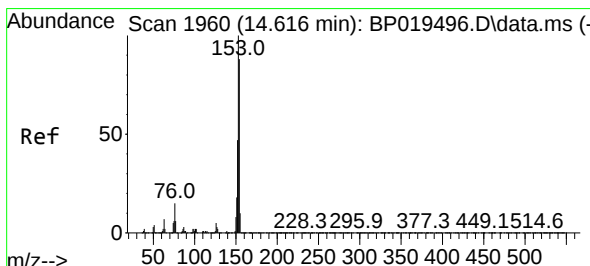
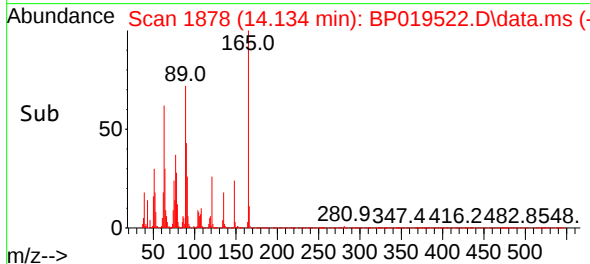
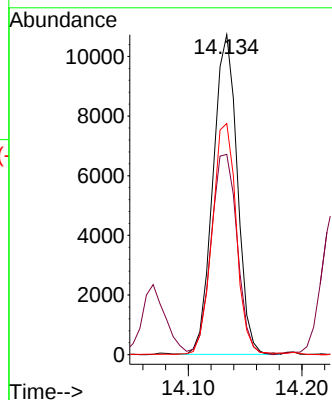
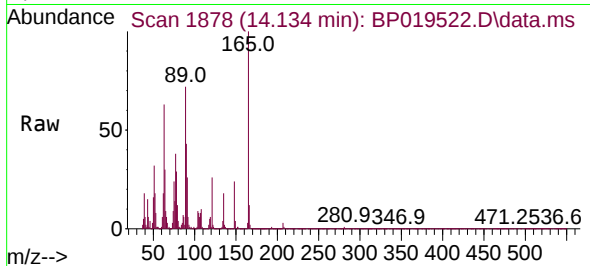




#51
2,6-Dinitrotoluene
Concen: 4.987 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

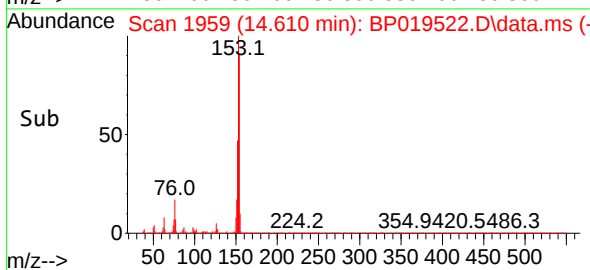
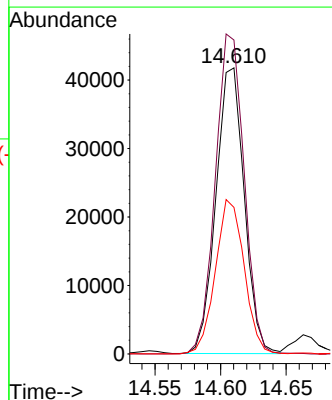
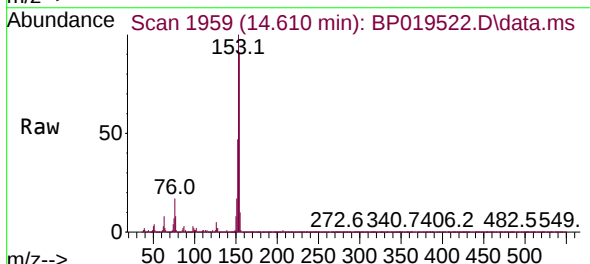
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

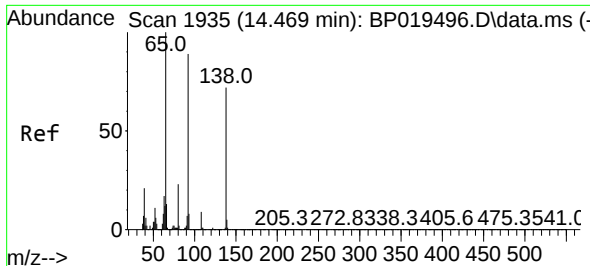
Tgt Ion:165	Resp:	15851
Ion Ratio	Lower	Upper
165	100	
63	62.6	50.4 75.6
89	72.3	51.7 77.5



#52
Acenaphthene
Concen: 5.827 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:154	Resp:	62813
Ion Ratio	Lower	Upper
154	100	
153	109.7	90.5 135.7
152	51.2	42.1 63.1

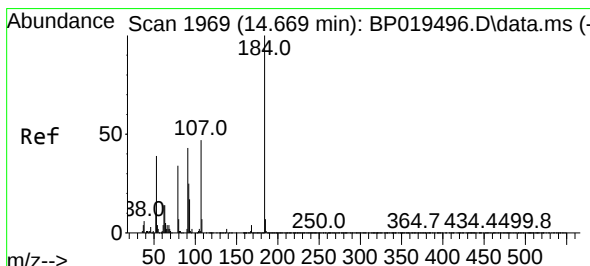
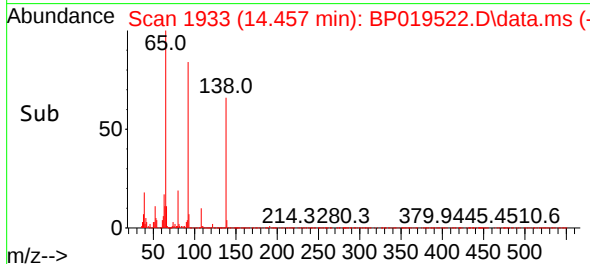
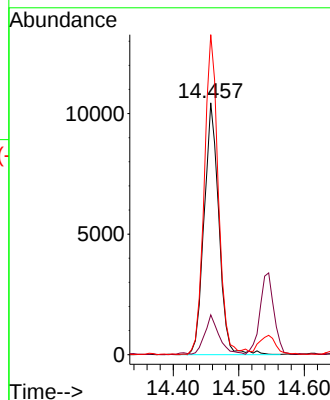
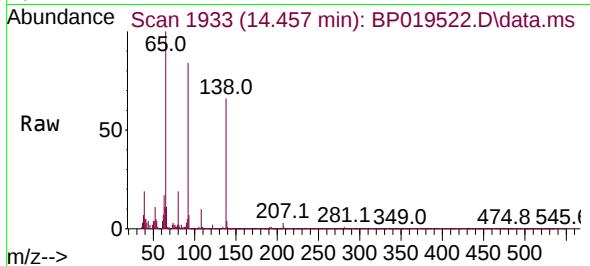




#53
3-Nitroaniline
Concen: 5.586 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

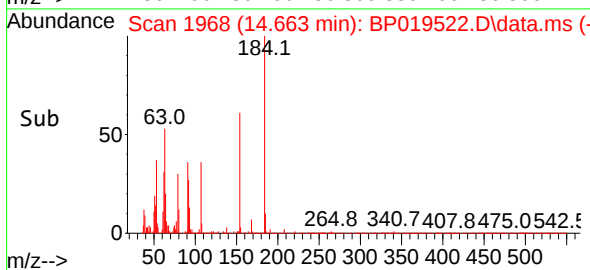
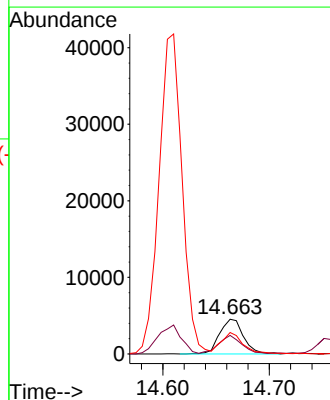
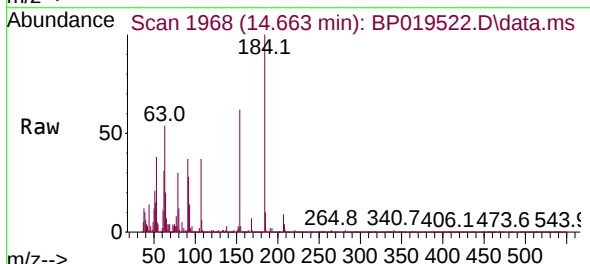
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

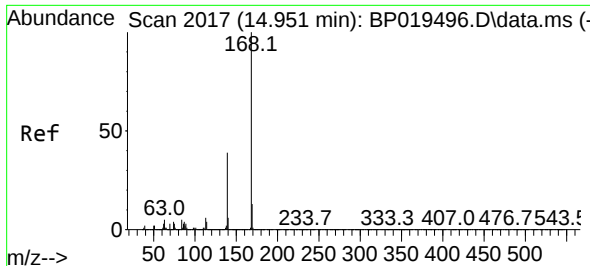
Tgt Ion:138 Resp: 16317
Ion Ratio Lower Upper
138 100
108 15.8 9.7 14.5#
92 127.1 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 4.264 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:184 Resp: 7037
Ion Ratio Lower Upper
184 100
63 53.5 50.5 75.7
154 61.8 53.4 80.0

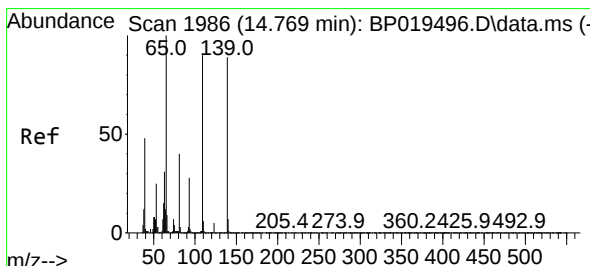
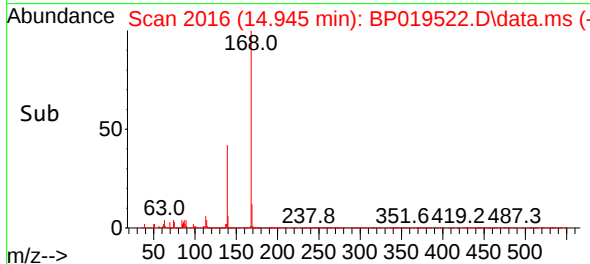
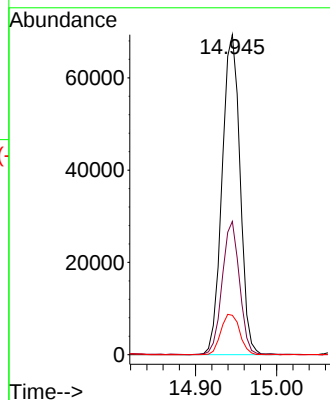
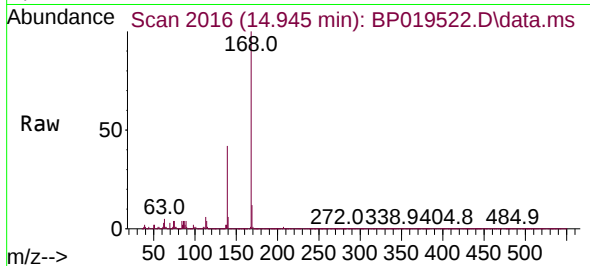




#55
Dibenzofuran
Concen: 6.078 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

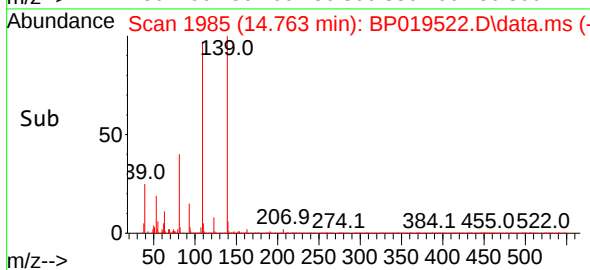
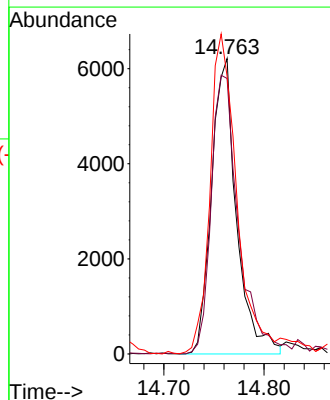
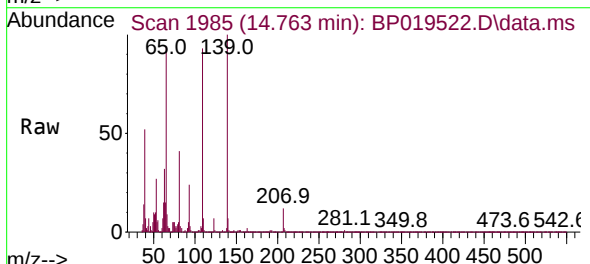
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

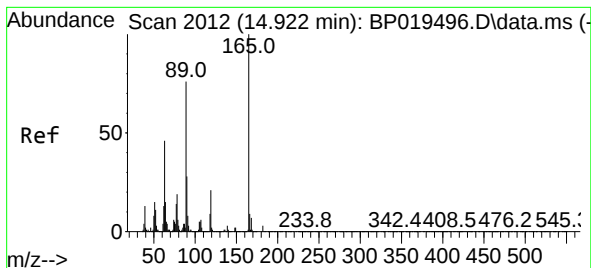
Tgt Ion:	168	Resp:	106711
Ion	Ratio	Lower	Upper
168	100		
139	41.7	31.5	47.3
169	12.3	10.3	15.5



#56
4-Nitrophenol
Concen: 4.524 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	139	Resp:	10830
Ion	Ratio	Lower	Upper
139	100		
109	93.3	82.0	122.0
65	94.0	92.9	132.9





#57

2,4-Dinitrotoluene

Concen: 4.778 ng

RT: 14.916 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:165 Resp: 19900

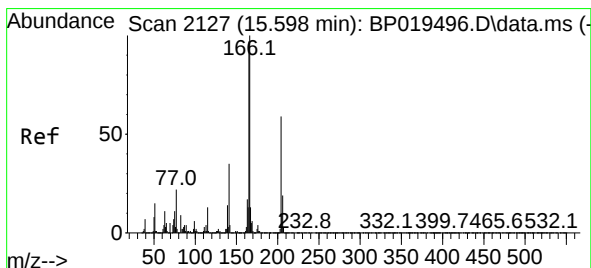
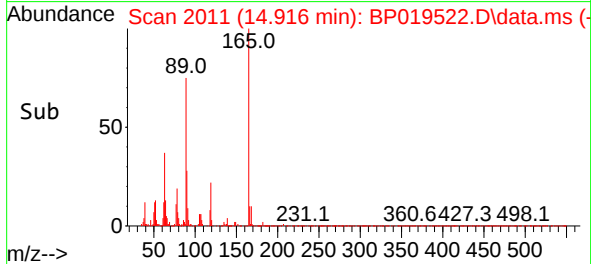
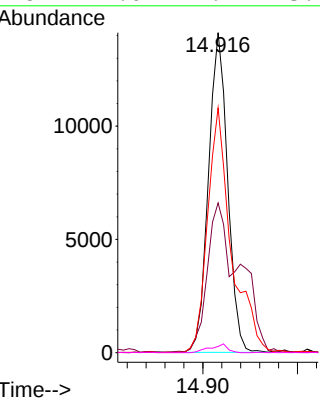
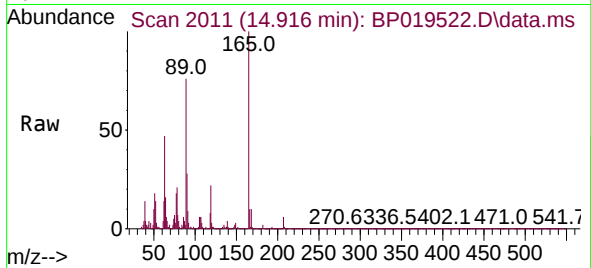
Ion Ratio Lower Upper

165 100

63 46.8 36.9 55.3

89 76.5 61.1 91.7

182 2.0 2.2 3.2#



#58

Fluorene

Concen: 5.873 ng

RT: 15.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

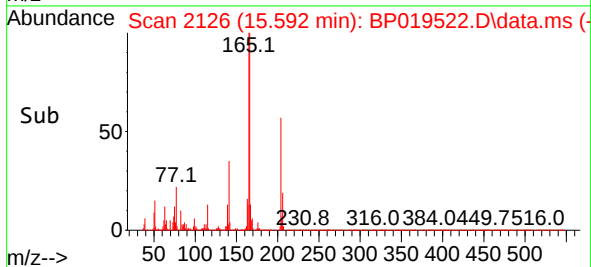
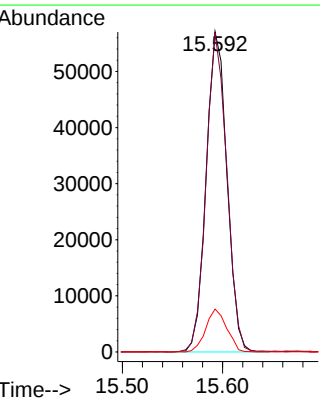
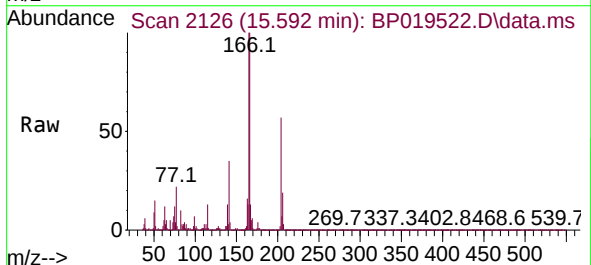
Tgt Ion:166 Resp: 82133

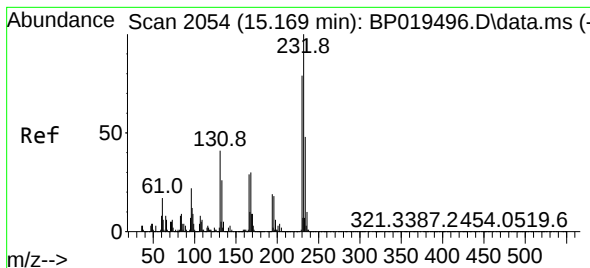
Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.8

167 13.4 10.7 16.1

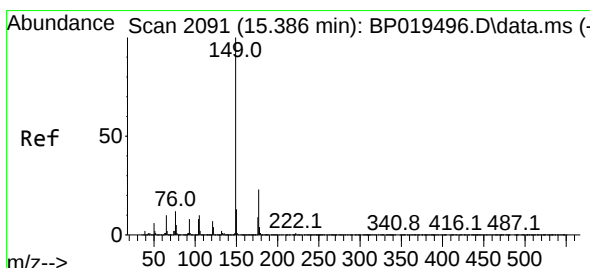
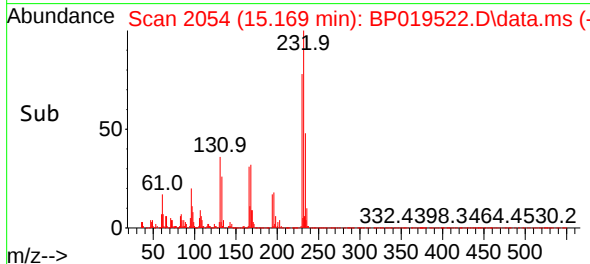
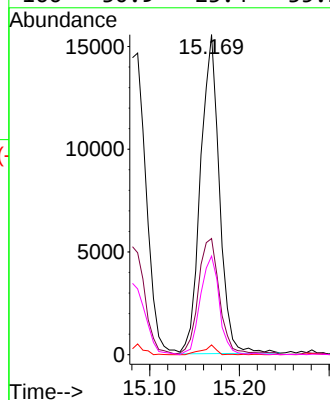
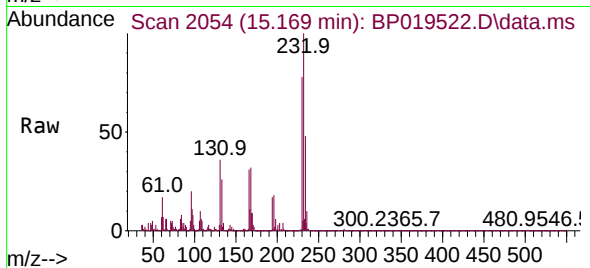




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.564 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

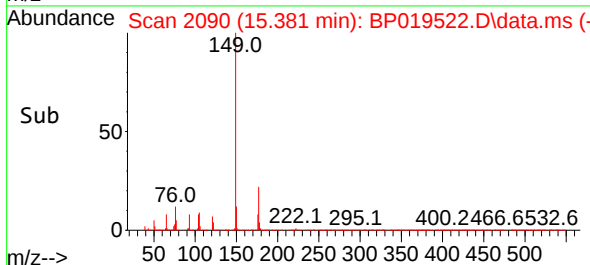
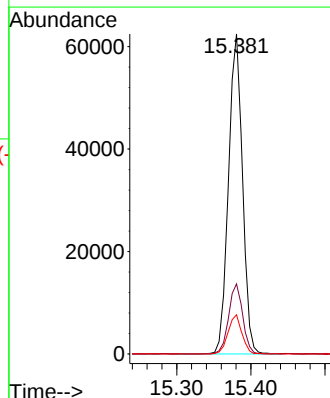
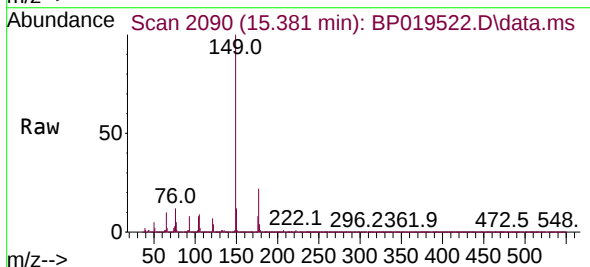
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	232	Resp:	22678
Ion	Ratio	Lower	Upper
232	100		
131	39.9	32.4	48.6
130	2.1	1.9	2.9
166	30.9	23.4	35.2



#60
Diethylphthalate
Concen: 5.685 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	149	Resp:	81805
Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.2	27.2
150	12.2	10.2	15.4

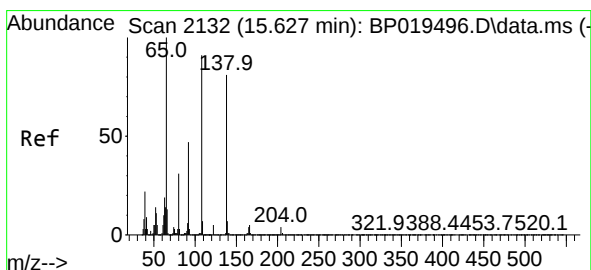
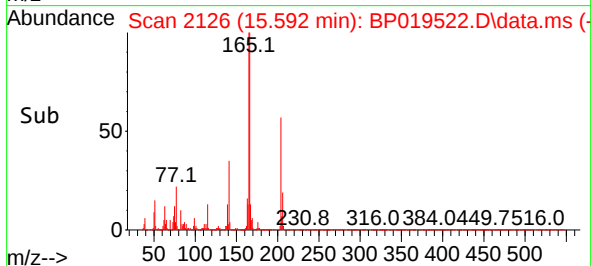
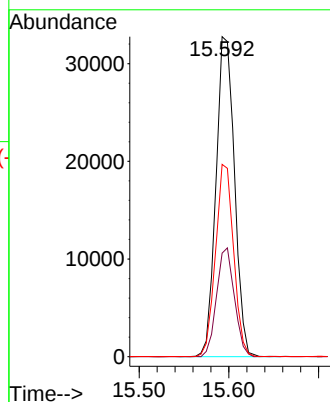
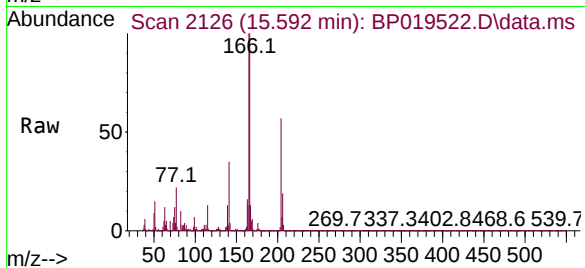




#61
4-Chlorophenyl-phenylether
Concen: 5.979 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

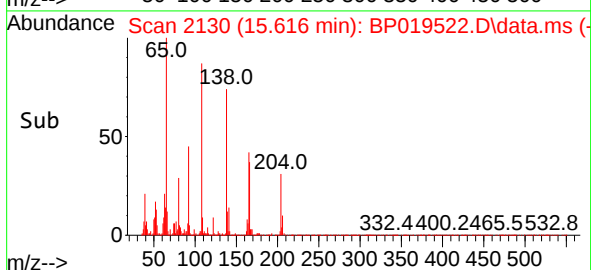
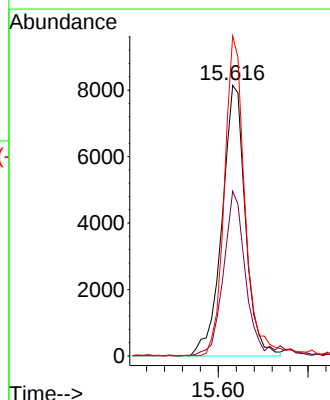
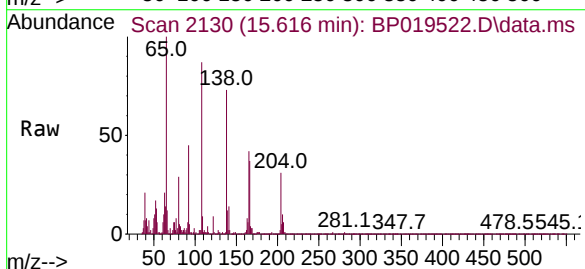
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

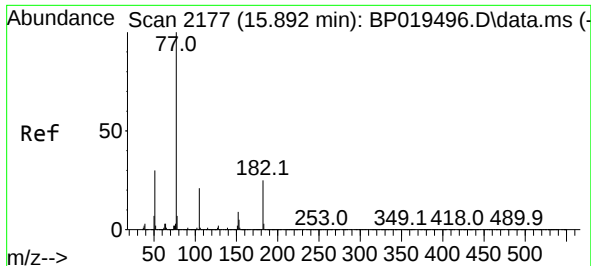
Tgt Ion:204 Resp: 46998
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 60.1 48.5 72.7



#62
4-Nitroaniline
Concen: 4.794 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:138 Resp: 14678
Ion Ratio Lower Upper
138 100
92 60.9 38.3 78.3
108 118.3 91.2 131.2

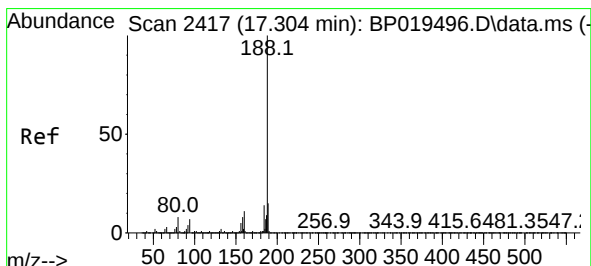
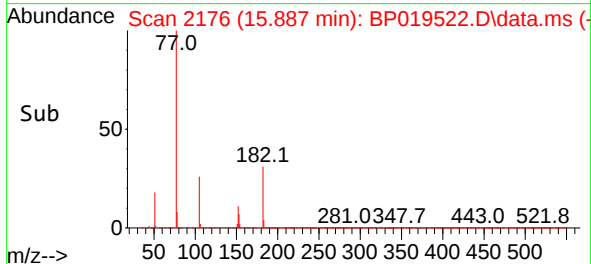
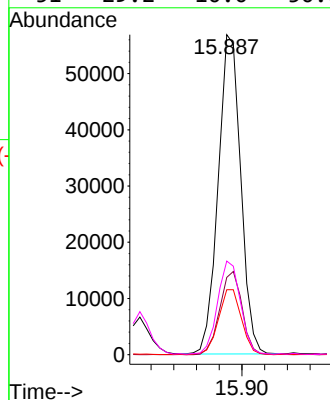
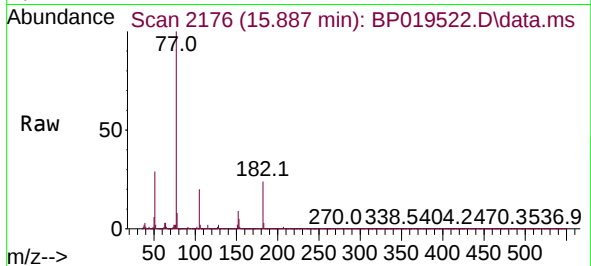




#63
Azobenzene
Concen: 5.631 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

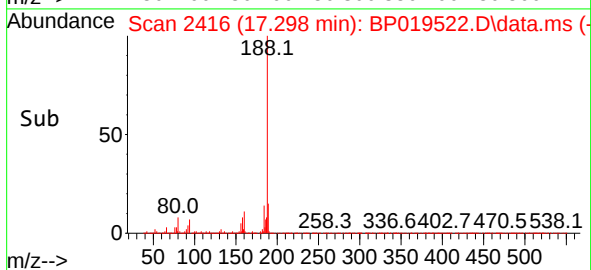
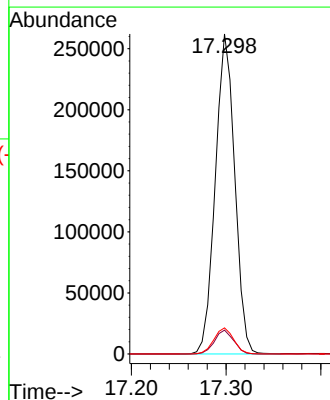
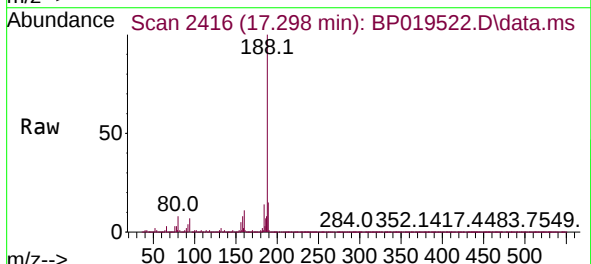
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

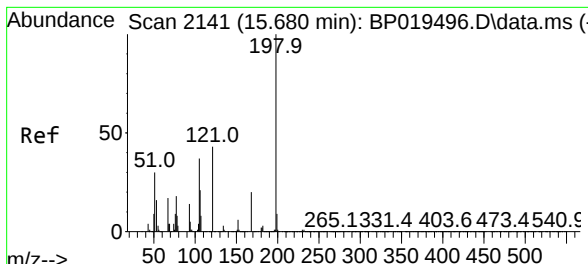
Tgt Ion: 77	Resp: 78346
Ion Ratio	Lower Upper
77 100	
182 24.2	5.1 45.1
105 20.3	0.8 40.8
51 29.2	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:188	Resp: 373506
Ion Ratio	Lower Upper
188 100	
94 7.4	5.4 8.2
80 8.1	6.3 9.5

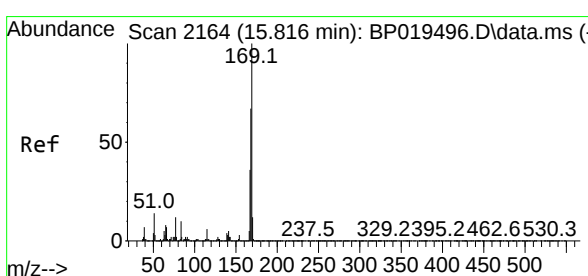
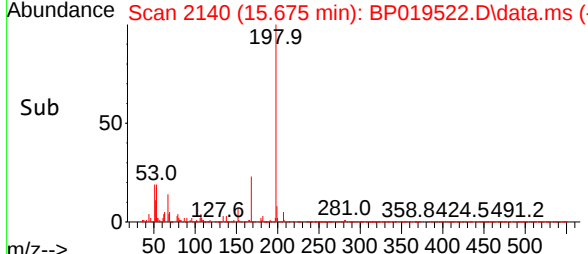
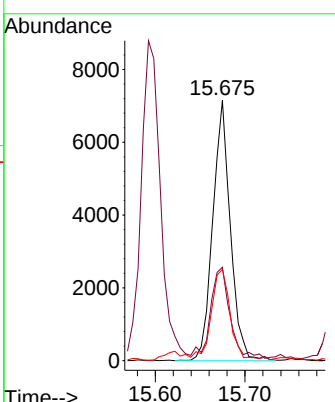
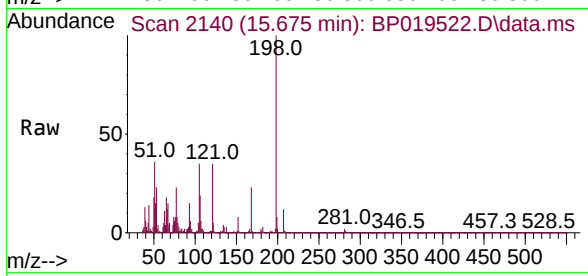




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.567 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019522.D
 Acq: 02 Feb 2024 11:30

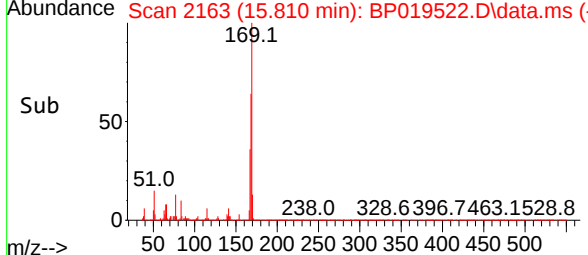
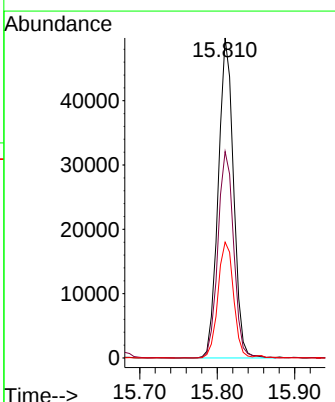
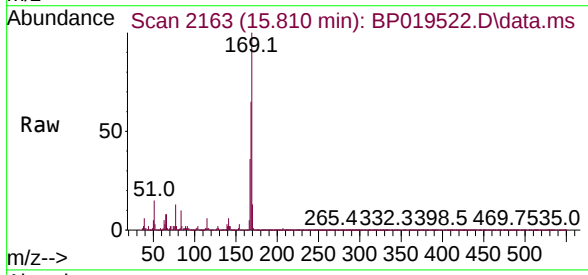
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:	198	Resp:	9727
Ion	Ratio	Lower	Upper
198	100		
51	35.9	21.2	61.2
105	35.1	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 6.098 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019522.D
 Acq: 02 Feb 2024 11:30

Tgt Ion:	169	Resp:	68212
Ion	Ratio	Lower	Upper
169	100		
168	64.5	53.4	80.2
167	36.2	28.9	43.3





#67

4-Bromophenyl-phenylether

Concen: 5.882 ng

RT: 16.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

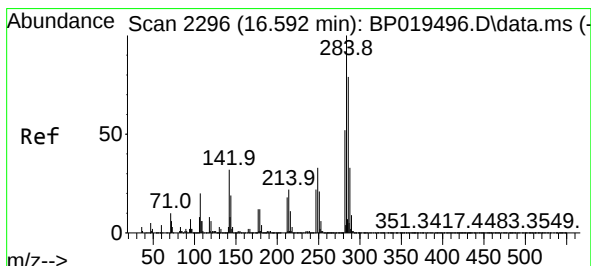
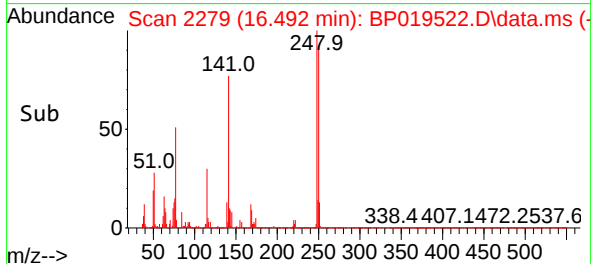
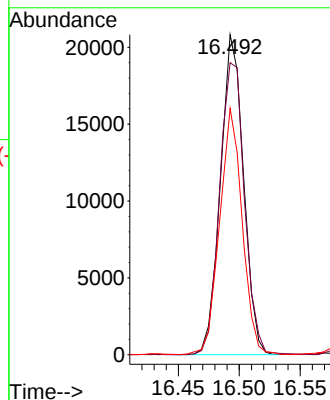
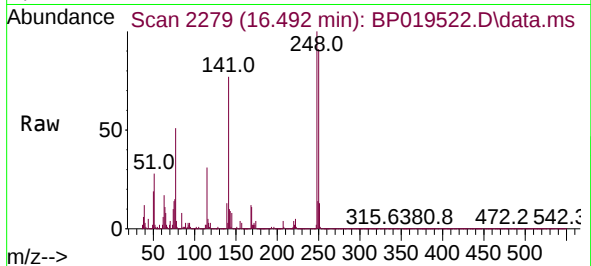
Tgt Ion:248 Resp: 27467

Ion Ratio Lower Upper

248 100

250 91.2 76.9 115.3

141 76.9 58.0 87.0



#68

Hexachlorobenzene

Concen: 5.840 ng

RT: 16.587 min Scan# 2295

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

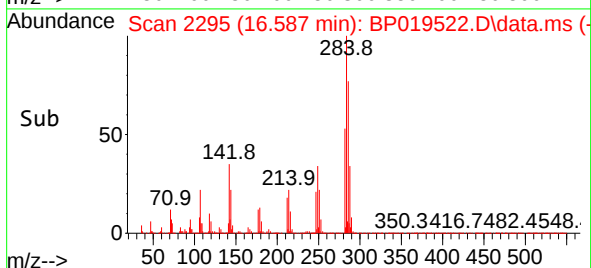
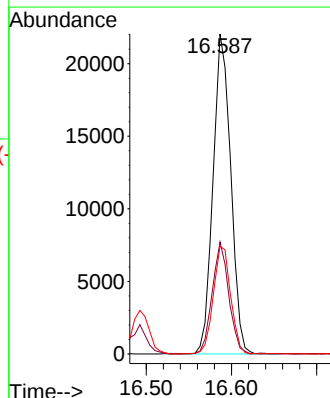
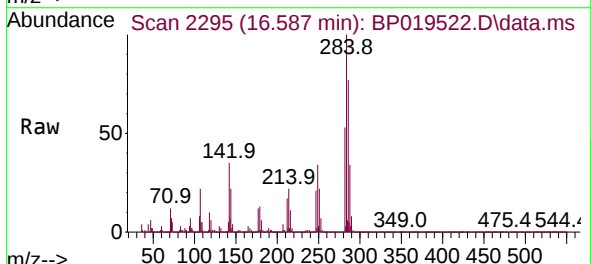
Tgt Ion:284 Resp: 31844

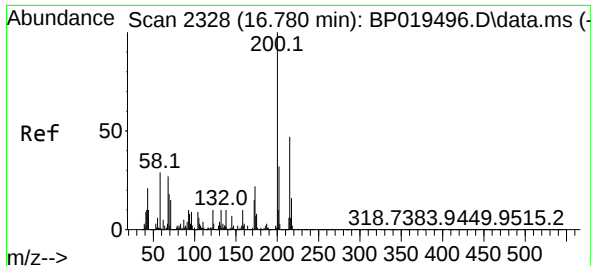
Ion Ratio Lower Upper

284 100

142 35.0 25.4 38.2

249 33.7 26.5 39.7

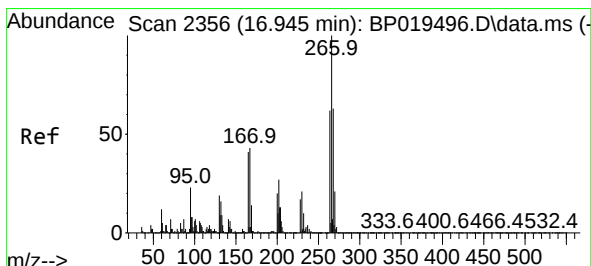
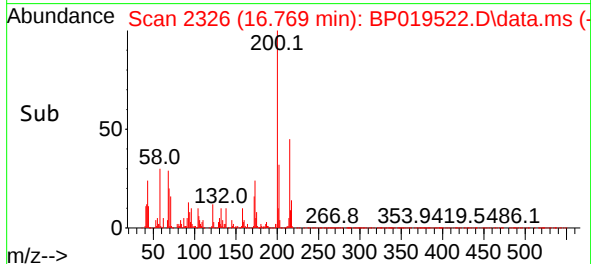
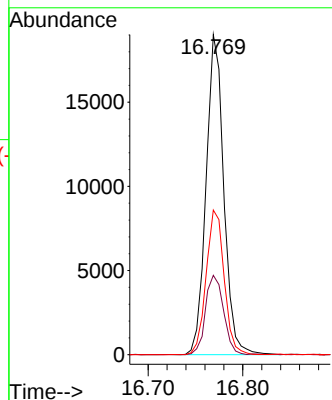
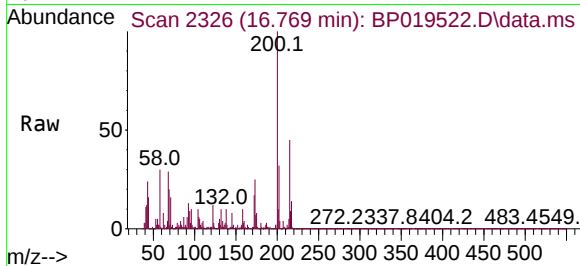




#69
Atrazine
Concen: 6.636 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

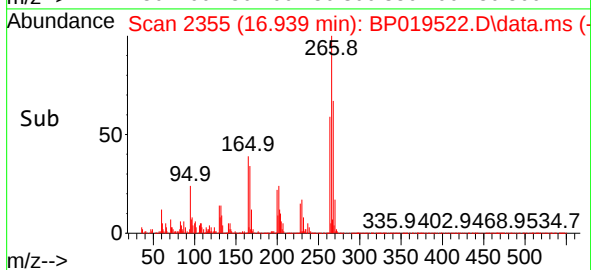
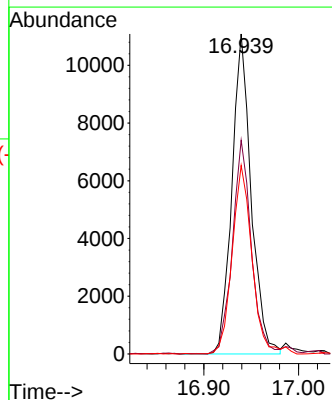
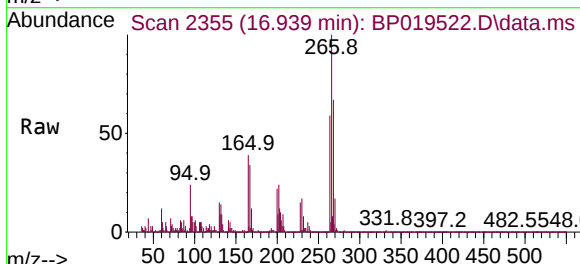
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

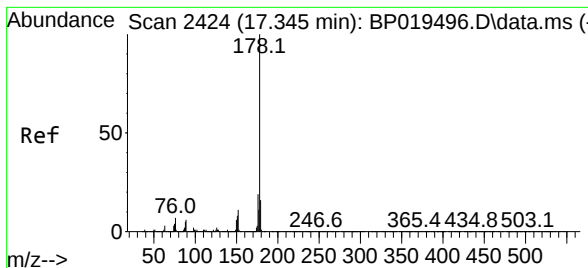
Tgt Ion:200 Resp: 24633
Ion Ratio Lower Upper
200 100
173 24.8 1.7 41.7
215 45.2 26.9 66.9



#70
Pentachlorophenol
Concen: 4.606 ng
RT: 16.939 min Scan# 2355
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:266 Resp: 15641
Ion Ratio Lower Upper
266 100
268 66.8 50.3 75.5
264 58.9 49.7 74.5





#71

Phenanthrene

Concen: 6.305 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

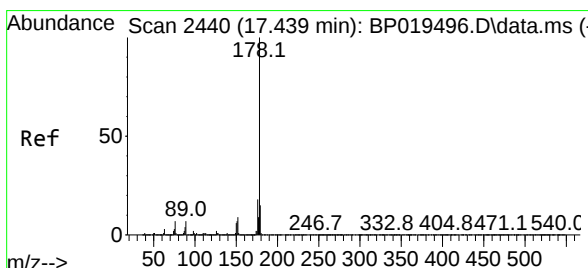
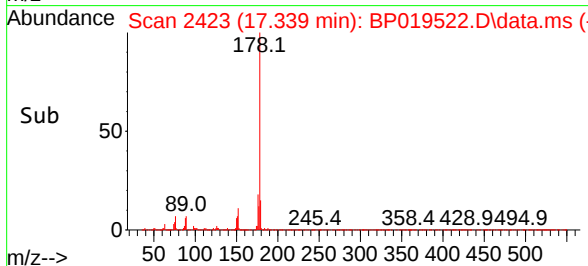
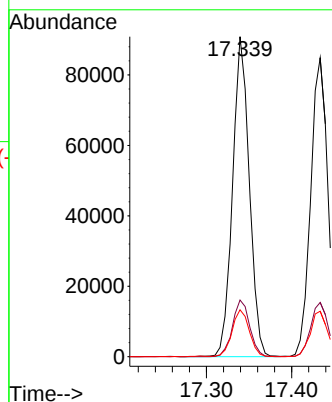
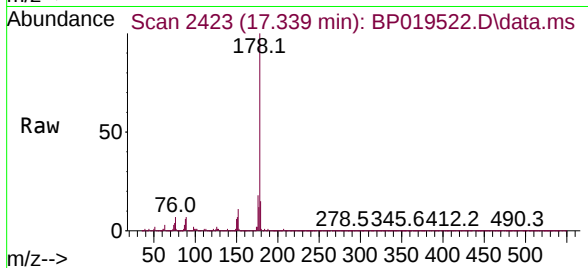
Tgt Ion:178 Resp: 123932

Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

179 14.7 12.6 19.0



#72

Anthracene

Concen: 6.127 ng

RT: 17.434 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

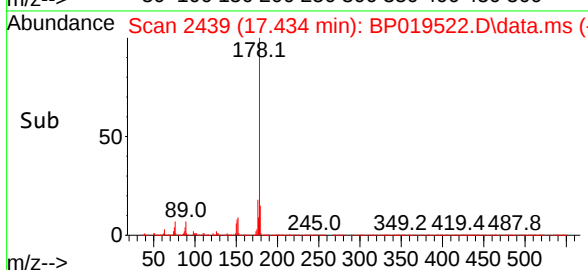
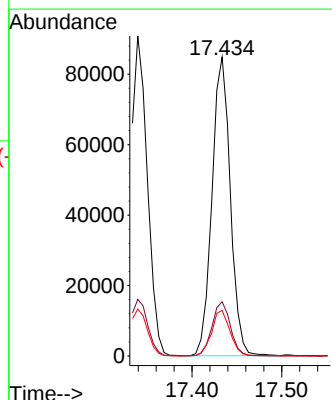
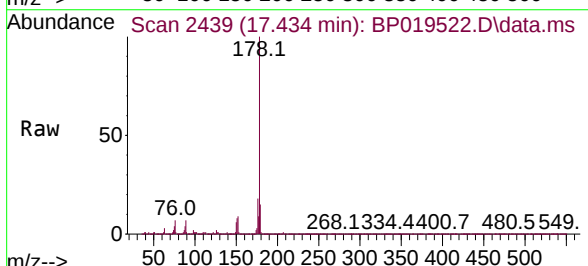
Tgt Ion:178 Resp: 120132

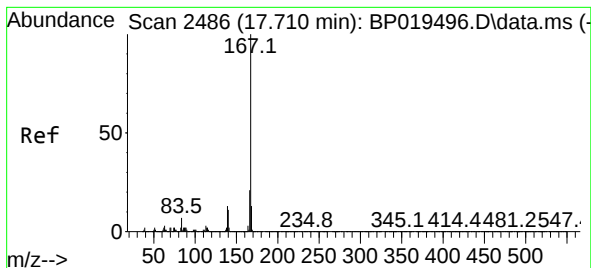
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.2 12.2 18.2





#73

Carbazole

Concen: 5.738 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

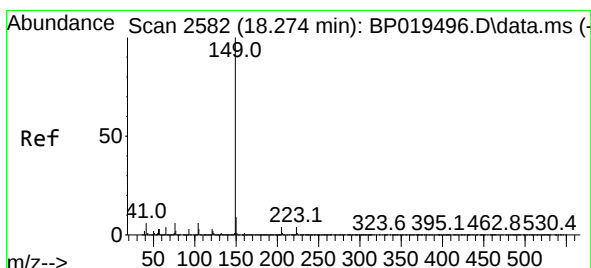
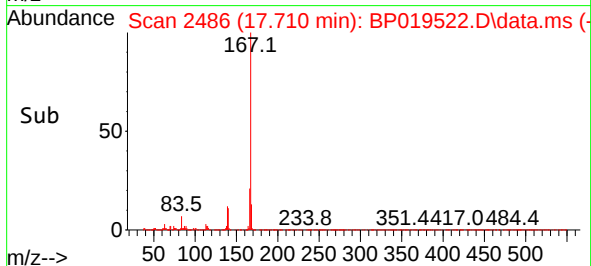
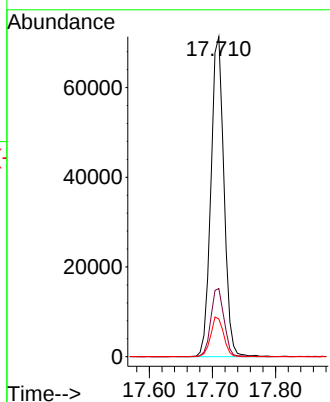
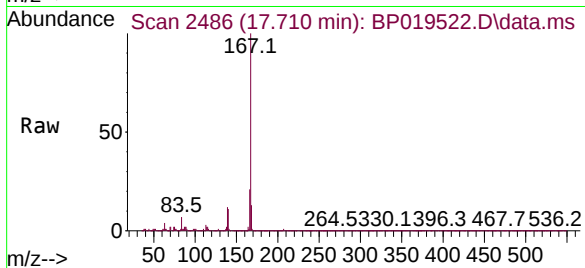
Tgt Ion:167 Resp: 102206

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 11.8 10.6 15.8



#74

Di-n-butylphthalate

Concen: 5.258 ng

RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

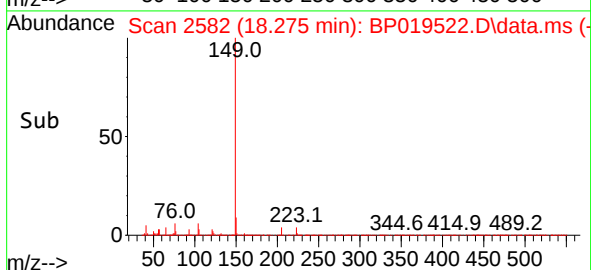
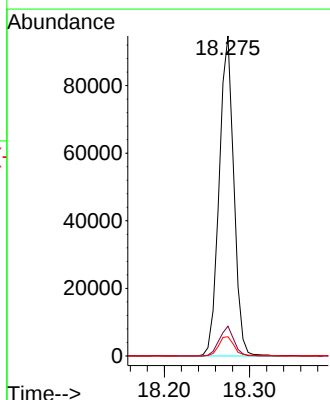
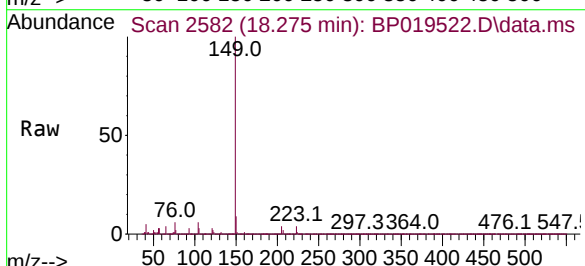
Tgt Ion:149 Resp: 113259

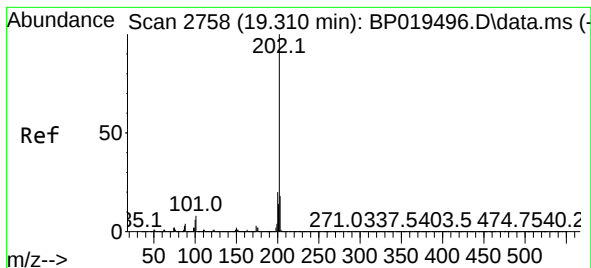
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 6.0 4.8 7.2





#75

Fluoranthene

Concen: 5.598 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

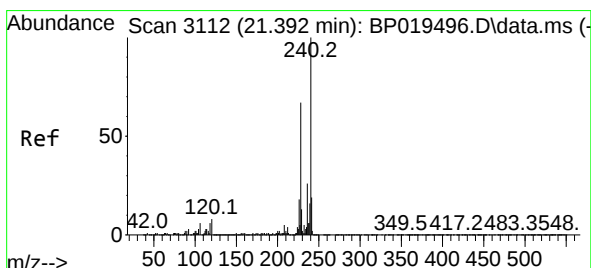
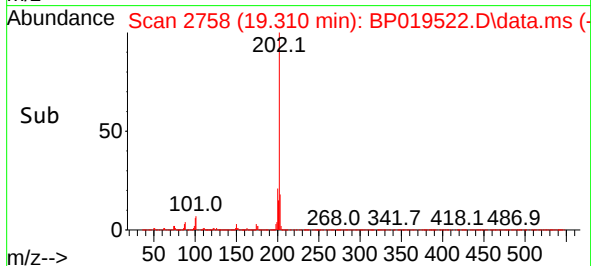
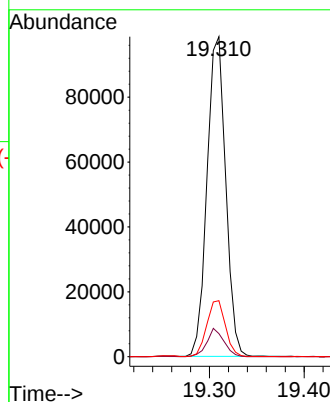
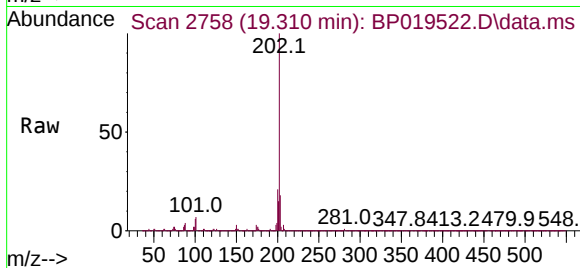
Tgt Ion:202 Resp: 134419

Ion Ratio Lower Upper

202 100

101 7.2 0.0 27.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

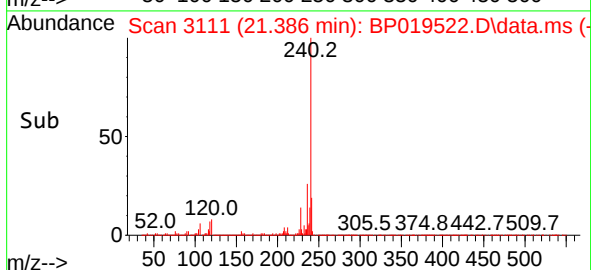
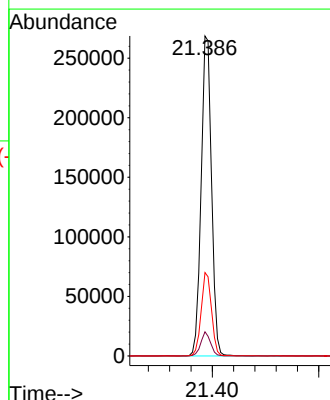
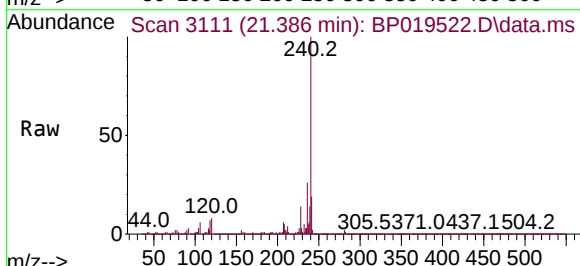
Tgt Ion:240 Resp: 362490

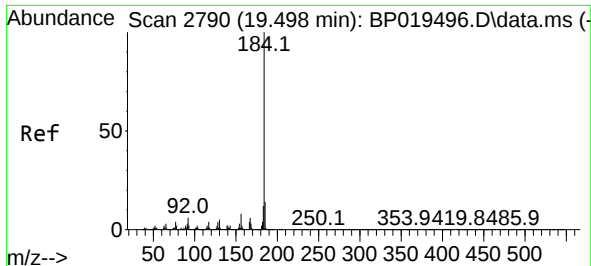
Ion Ratio Lower Upper

240 100

120 7.5 6.1 9.1

236 26.1 20.7 31.1

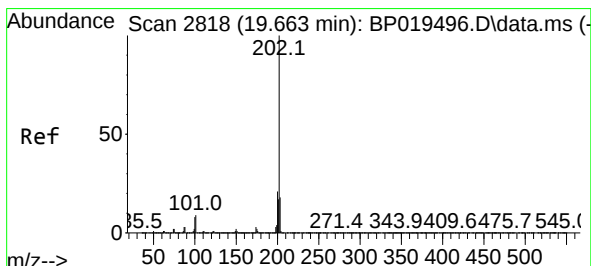
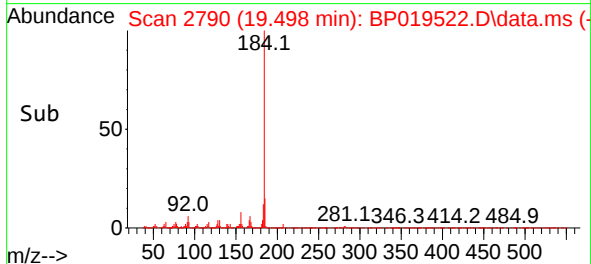
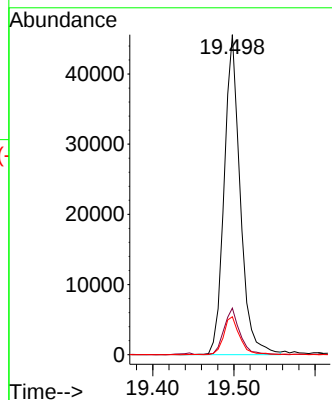
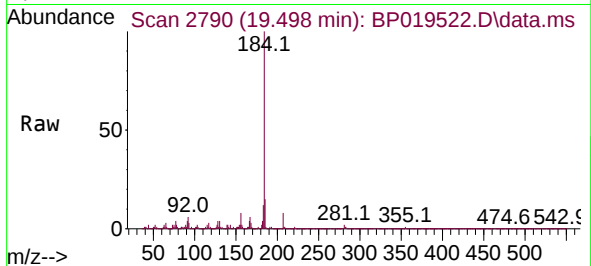




#77
Benzidine
Concen: 8.294 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

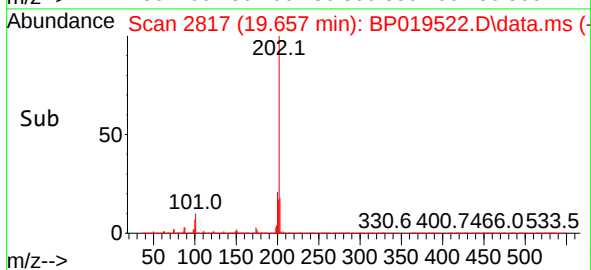
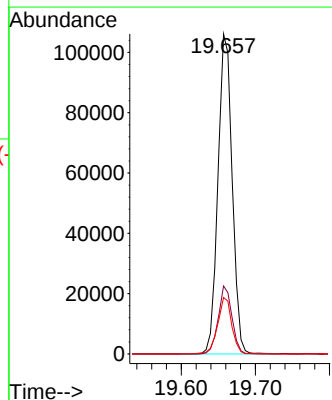
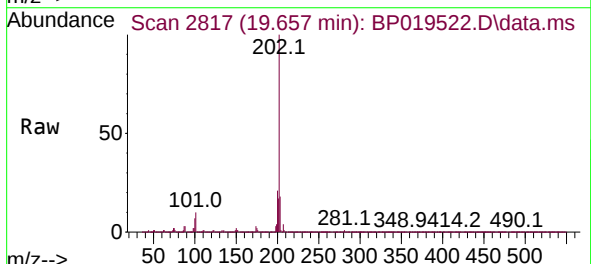
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	184	Resp:	62858
Ion Ratio	Lower	Upper	
184	100		
185	14.6	11.1	16.7
183	11.9	9.7	14.5



#78
Pyrene
Concen: 5.522 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:	202	Resp:	141266
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	17.6	14.2	21.2





#79

Terphenyl-d14

Concen: 92.240 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

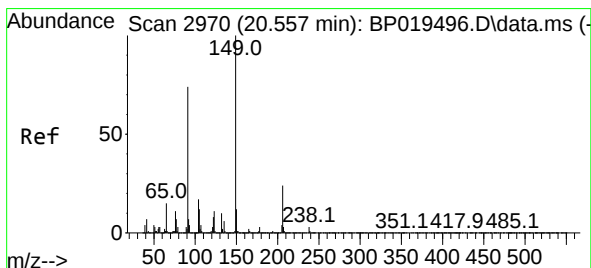
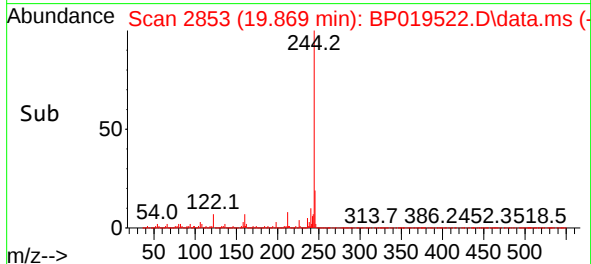
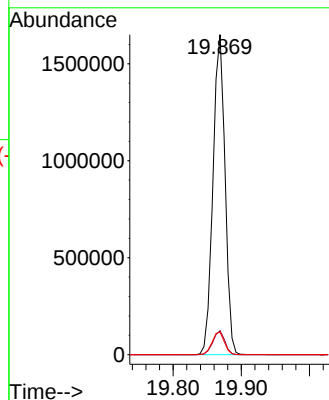
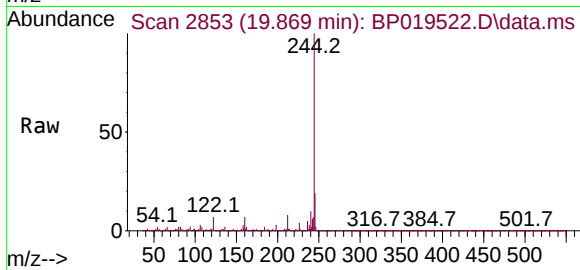
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:244 Resp: 2033157

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	7.1	5.9	8.9



#80

Butylbenzylphthalate

Concen: 4.932 ng

RT: 20.557 min Scan# 2970

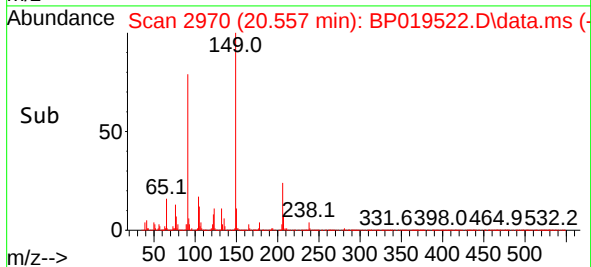
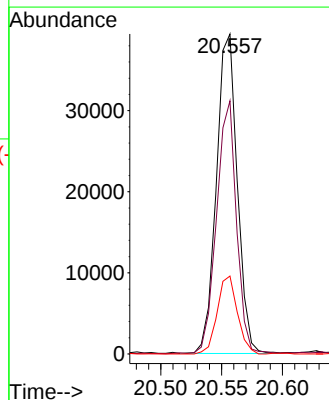
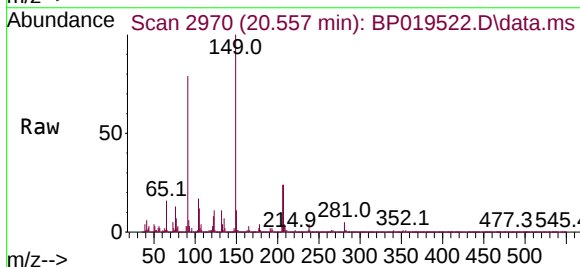
Delta R.T. 0.000 min

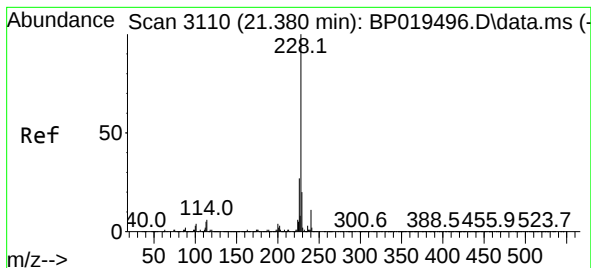
Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion:149 Resp: 47123

Ion	Ratio	Lower	Upper
149	100		
91	79.1	59.4	89.0
206	24.3	19.0	28.6





#81

Benzo(a)anthracene

Concen: 5.997 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

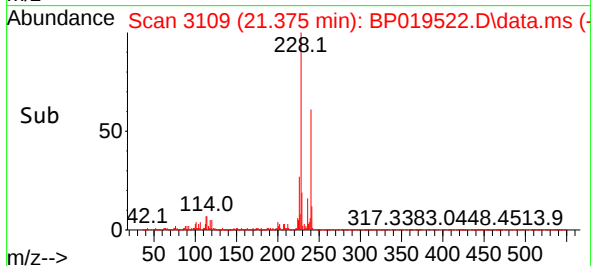
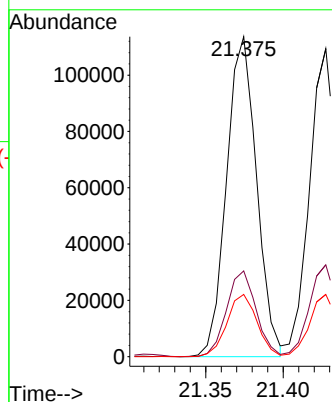
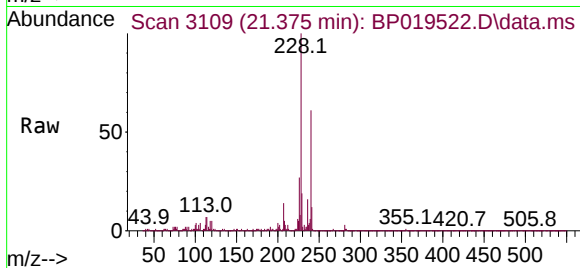
Tgt Ion:228 Resp: 153029

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 6.268 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

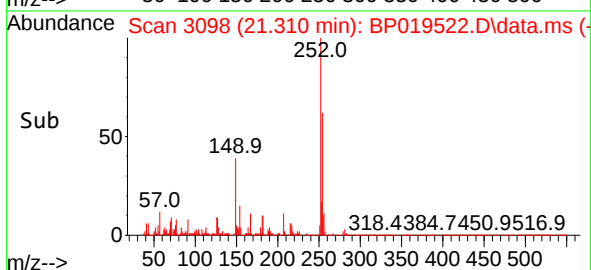
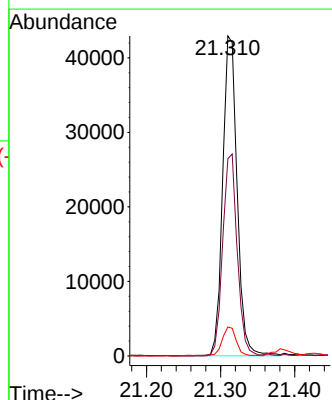
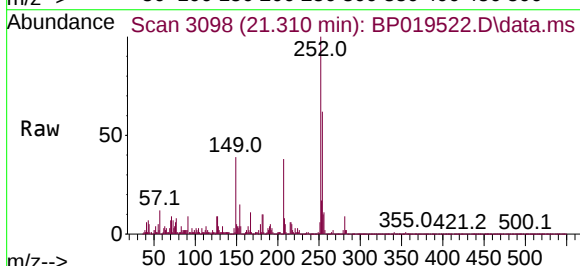
Tgt Ion:252 Resp: 58285

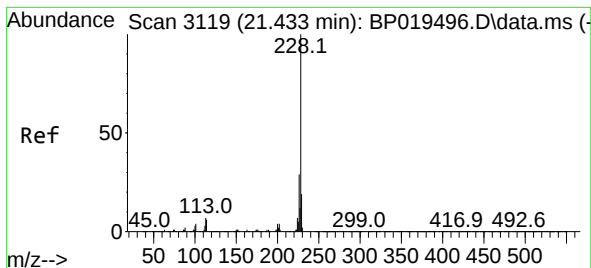
Ion Ratio Lower Upper

252 100

254 61.6 50.7 76.1

126 9.1 6.4 9.6





#83

Chrysene

Concen: 5.848 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

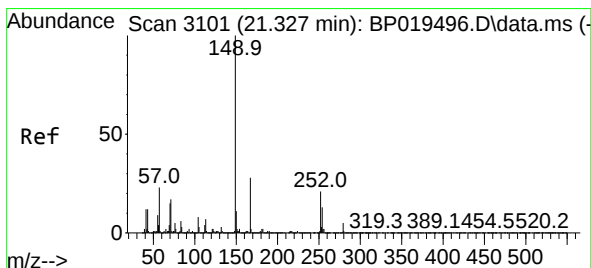
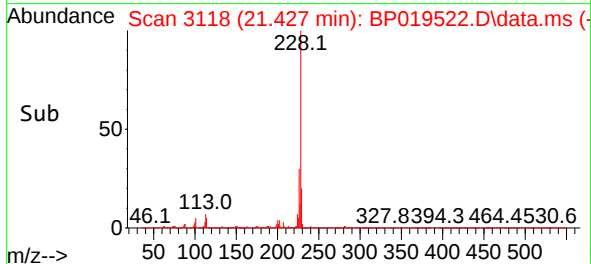
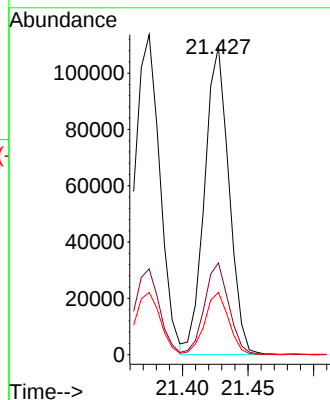
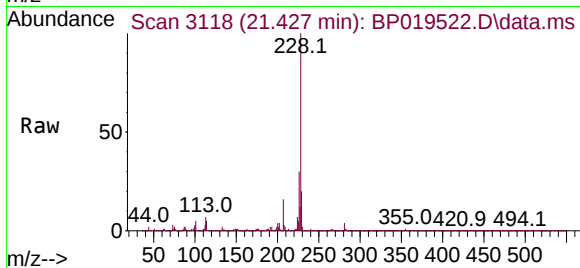
Tgt Ion:228 Resp: 141672

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 20.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.398 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

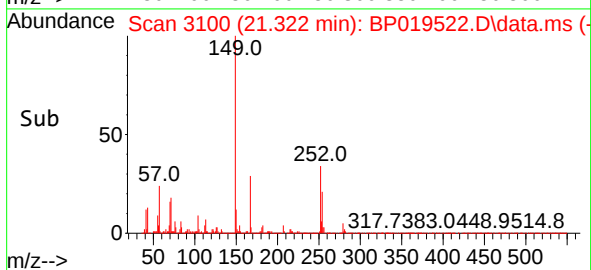
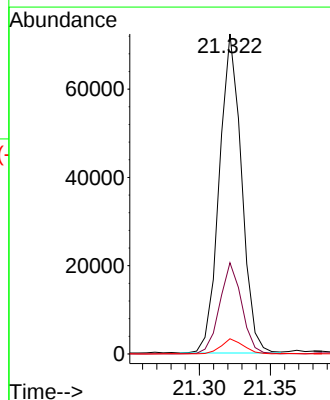
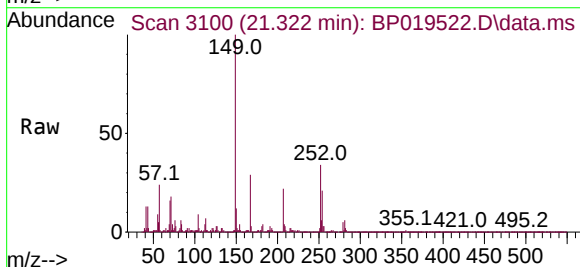
Tgt Ion:149 Resp: 78533

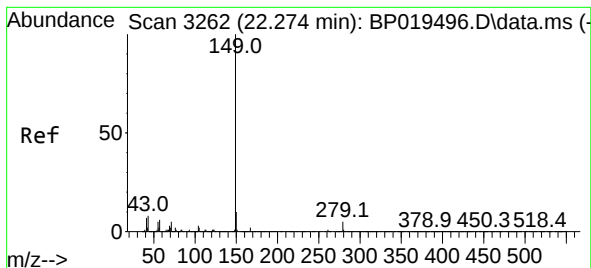
Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

279 4.8 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 5.401 ng

RT: 22.269 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

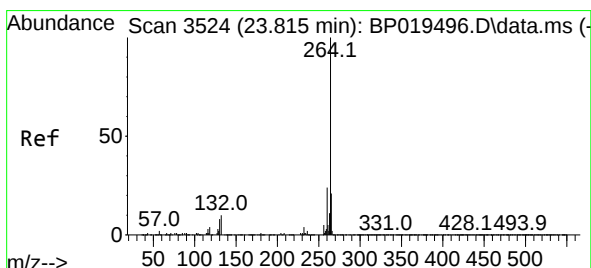
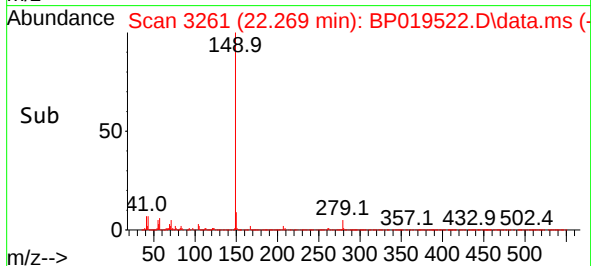
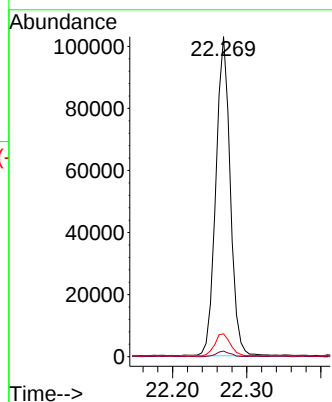
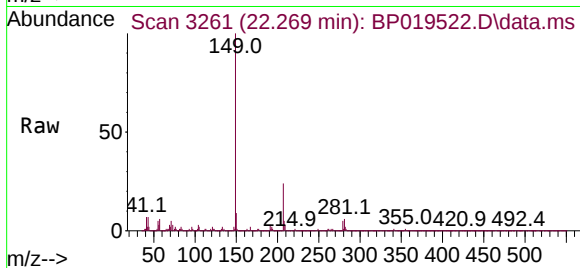
Tgt Ion:149 Resp: 138233

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.9 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

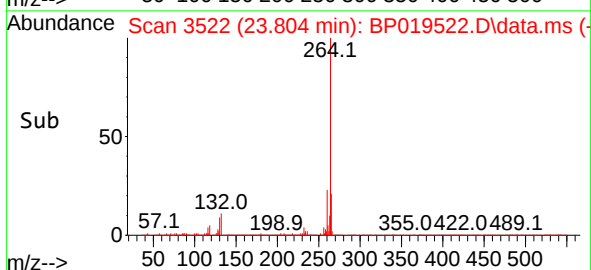
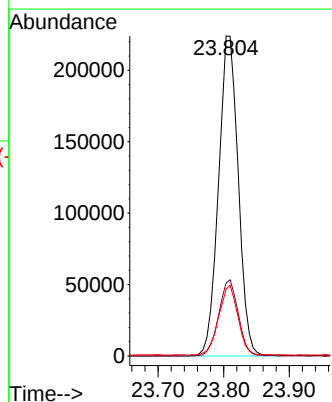
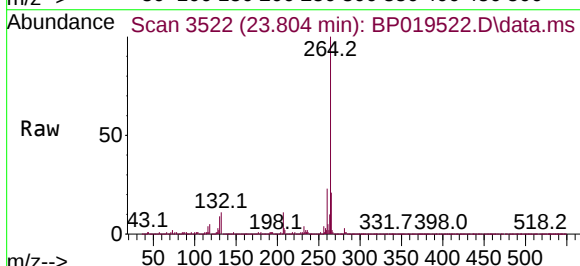
Tgt Ion:264 Resp: 466190

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 20.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.771 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

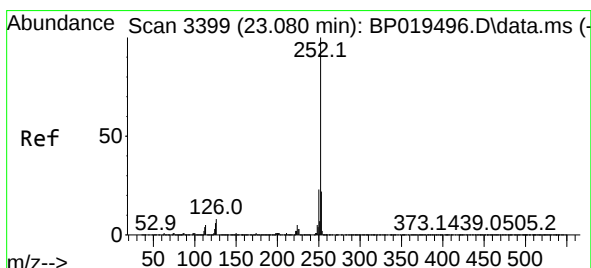
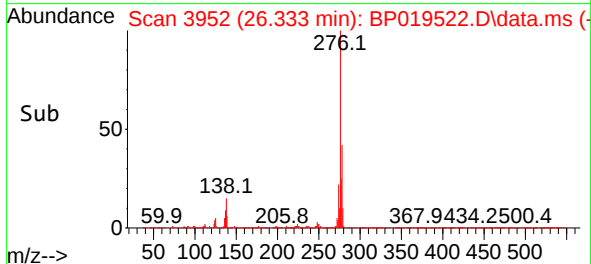
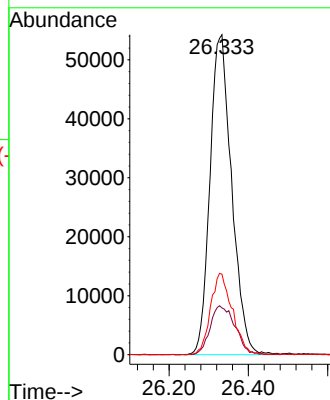
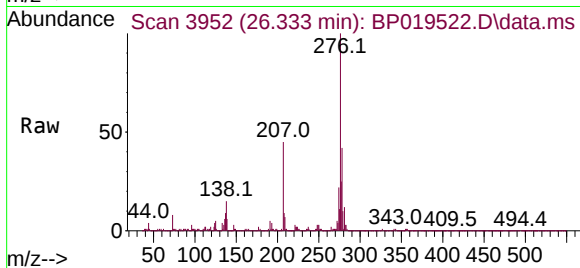
Tgt Ion:276 Resp: 205949

Ion Ratio Lower Upper

276 100

138 17.6 13.1 19.7

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.635 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

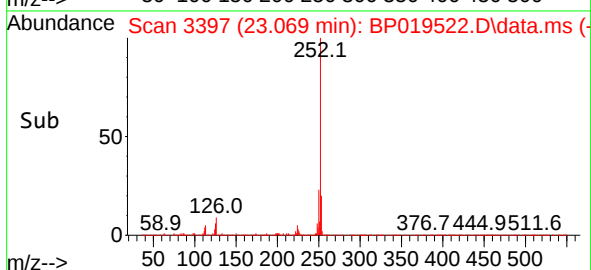
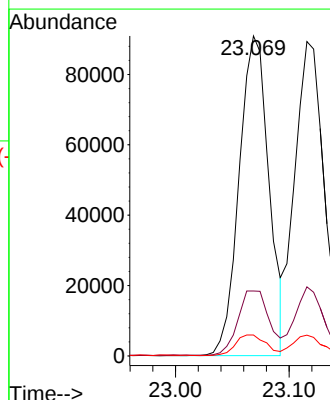
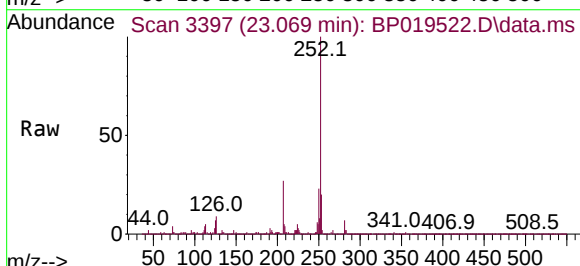
Tgt Ion:252 Resp: 165577

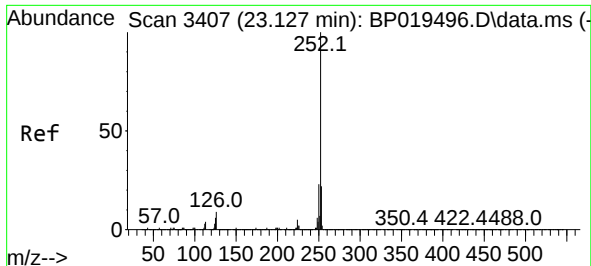
Ion Ratio Lower Upper

252 100

253 20.3 17.3 25.9

125 6.6 4.9 7.3

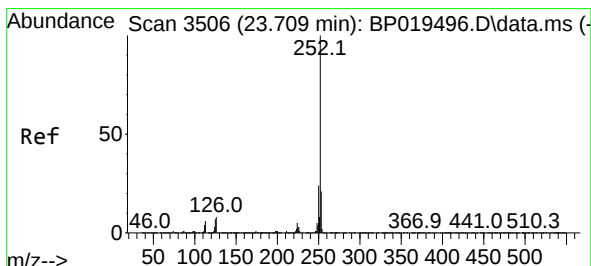
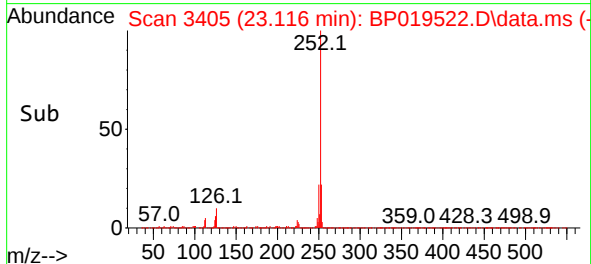
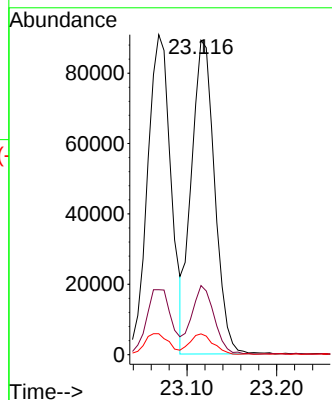
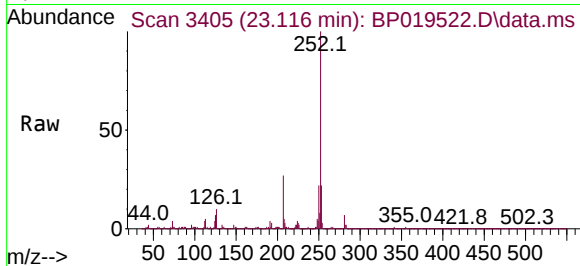




#89
Benzo(k)fluoranthene
Concen: 5.723 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

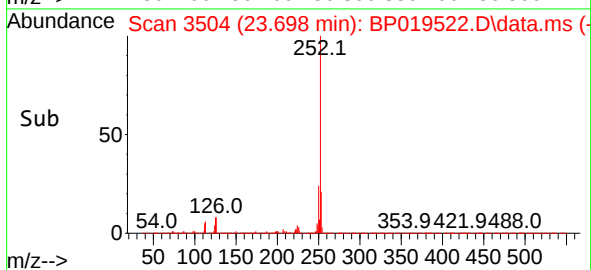
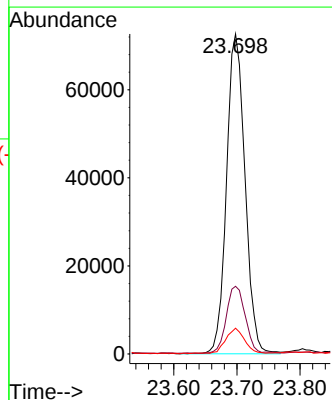
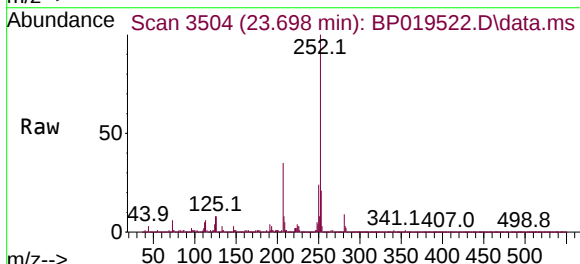
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2023

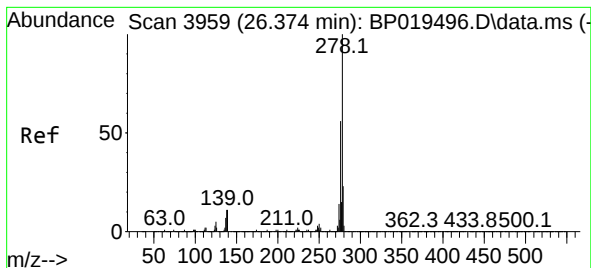
Tgt Ion:252 Resp: 160613
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.6 5.0 7.6



#90
Benzo(a)pyrene
Concen: 5.646 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.011 min
Lab File: BP019522.D
Acq: 02 Feb 2024 11:30

Tgt Ion:252 Resp: 147606
Ion Ratio Lower Upper
252 100
253 21.1 17.1 25.7
125 8.0 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 5.825 ng

RT: 26.362 min Scan# 3957

Delta R.T. -0.011 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

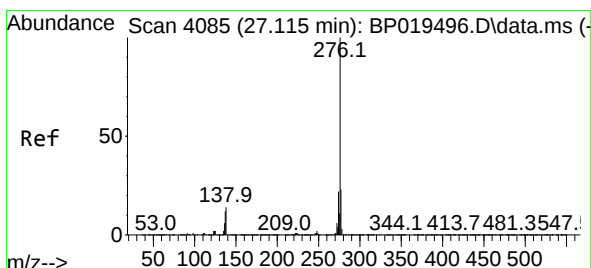
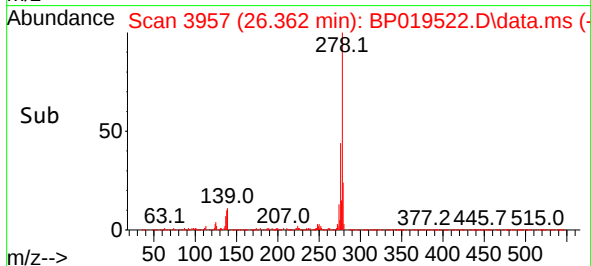
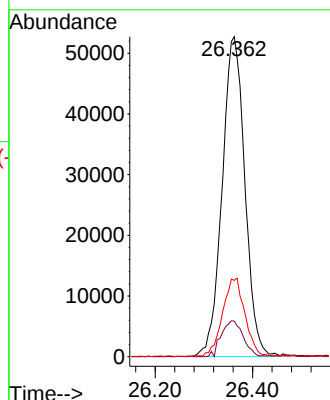
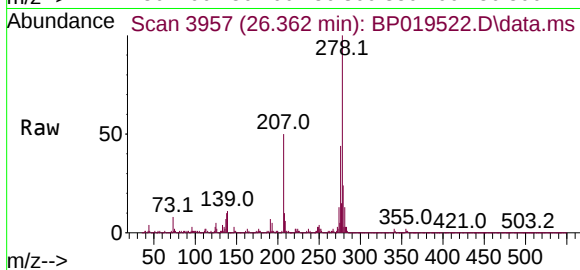
Tgt Ion:278 Resp: 170953

Ion Ratio Lower Upper

278 100

139 11.1 8.6 12.8

279 23.8 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 5.616 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019522.D

Acq: 02 Feb 2024 11:30

Tgt Ion:276 Resp: 167230

Ion Ratio Lower Upper

276 100

277 22.3 18.6 28.0

138 16.4 10.9 16.3#

