

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019523.D
 Acq On : 02 Feb 2024 12:08
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 02 12:43:24 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	7.911	152	63333	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	231582	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	135727	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	301754	20.000	ng	0.00
76) Chrysene-d12	21.392	240	353754	20.000	ng	0.00
86) Perylene-d12	23.816	264	435067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	566010	144.058	ng	0.00
7) Phenol-d6	7.081	99	719278	135.770	ng	0.00
23) Nitrobenzene-d5	9.081	82	443737	83.028	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	294177	148.446	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	926737	84.409	ng	0.00
79) Terphenyl-d14	19.869	244	1665079	77.407	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	17854	11.794	ng	99
3) Pyridine	3.787	79	39882	9.718	ng	98
4) n-Nitrosodimethylamine	3.705	42	19099	10.689	ng	# 92
6) Aniline	7.246	93	62553	12.152	ng	98
8) 2-Chlorophenol	7.475	128	41827	10.369	ng	97
9) Benzaldehyde	7.058	77	42618	11.474	ng	97
10) Phenol	7.105	94	54734	10.366	ng	95
11) bis(2-Chloroethyl)ether	7.352	93	42856	10.432	ng	98
12) 1,3-Dichlorobenzene	7.799	146	51530	10.440	ng	97
13) 1,4-Dichlorobenzene	7.946	146	52208	10.440	ng	99
14) 1,2-Dichlorobenzene	8.263	146	49375	10.205	ng	97
15) Benzyl Alcohol	8.158	79	43111	10.185	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.452	45	43248	10.528	ng	95
17) 2-Methylphenol	8.358	107	35291	9.928	ng	90
18) Hexachloroethane	8.987	117	19031	9.818	ng	92
19) n-Nitroso-di-n-propyla...	8.728	70	34665	9.580	ng	96
20) 3+4-Methylphenols	8.687	107	47187	9.726	ng	98
22) Acetophenone	8.740	105	68642	10.404	ng	# 98
24) Nitrobenzene	9.122	77	56157	10.436	ng	97
25) Isophorone	9.646	82	88743	9.534	ng	98
26) 2-Nitrophenol	9.828	139	18840	9.182	ng	94
27) 2,4-Dimethylphenol	9.893	122	31723	12.092	ng	99
28) bis(2-Chloroethoxy)met...	10.140	93	52300	9.931	ng	96
29) 2,4-Dichlorophenol	10.357	162	40483	10.208	ng	94
30) 1,2,4-Trichlorobenzene	10.575	180	49907	10.263	ng	98
31) Naphthalene	10.763	128	132519	10.434	ng	99
32) Benzoic acid	9.963	122	17598	6.885	ng	95
33) 4-Chloroaniline	10.881	127	50012	10.647	ng	97
34) Hexachlorobutadiene	11.040	225	36226	10.053	ng	95
35) Caprolactam	11.646	113	11104	9.890	ng	98
36) 4-Chloro-3-methylphenol	11.999	107	40723	9.417	ng	96
37) 2-Methylnaphthalene	12.375	142	85771	9.758	ng	100
38) 1-Methylnaphthalene	12.587	142	85101	9.852	ng	97
40) 1,2,4,5-Tetrachloroben...	12.734	216	57967	11.074	ng	99
41) Hexachlorocyclopentadiene	12.704	237	32416	13.708	ng	98
43) 2,4,6-Trichlorophenol	12.981	196	31106	9.814	ng	94

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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	34178	9.820	ng	98
46) 1,1'-Biphenyl	13.387	154	116068	10.714	ng	99
47) 2-Chloronaphthalene	13.422	162	93560	10.521	ng	98
48) 2-Nitroaniline	13.634	65	23350	9.391	ng	98
49) Acenaphthylene	14.269	152	141688	11.357	ng	99
50) Dimethylphthalate	14.016	163	109565	10.545	ng	99
51) 2,6-Dinitrotoluene	14.134	165	22199	9.724	ng	97
52) Acenaphthene	14.610	154	81029	10.465	ng	100
53) 3-Nitroaniline	14.457	138	22146	10.556	ng #	95
54) 2,4-Dinitrophenol	14.663	184	10387	8.763	ng	88
55) Dibenzofuran	14.945	168	136102	10.792	ng	98
56) 4-Nitrophenol	14.757	139	18245	10.610	ng	96
57) 2,4-Dinitrotoluene	14.916	165	28453	9.511	ng	94
58) Fluorene	15.598	166	107706	10.723	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.169	232	30163	10.303	ng	98
60) Diethylphthalate	15.381	149	105849	10.242	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	59553	10.549	ng	98
62) 4-Nitroaniline	15.622	138	23090	10.500	ng	96
63) Azobenzene	15.892	77	104109	10.417	ng	98
65) 4,6-Dinitro-2-methylph...	15.675	198	13573	7.888	ng	98
66) n-Nitrosodiphenylamine	15.810	169	92093	10.190	ng	96
67) 4-Bromophenyl-phenylether	16.498	248	36071	9.562	ng	96
68) Hexachlorobenzene	16.592	284	43972	9.982	ng	100
69) Atrazine	16.775	200	37332	12.449	ng	95
70) Pentachlorophenol	16.939	266	24080	8.778	ng	93
71) Phenanthrene	17.345	178	172588	10.868	ng	98
72) Anthracene	17.434	178	169884	10.724	ng	100
73) Carbazole	17.710	167	155449	10.802	ng	98
74) Di-n-butylphthalate	18.275	149	183035	10.519	ng	100
75) Fluoranthene	19.310	202	220403	11.361	ng	100
77) Benzidine	19.498	184	125770	17.006	ng	99
78) Pyrene	19.663	202	230406	9.229	ng	99
80) Butylbenzylphthalate	20.557	149	85561	9.177	ng	98
81) Benzo(a)anthracene	21.375	228	262601	10.546	ng	100
82) 3,3'-Dichlorobenzidine	21.316	252	102118	11.254	ng	99
83) Chrysene	21.427	228	242699	10.266	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	137409	9.678	ng	98
85) Di-n-octyl phthalate	22.274	149	242873	9.723	ng	99
87) Indeno(1,2,3-cd)pyrene	26.333	276	338753	10.172	ng	100
88) Benzo(b)fluoranthene	23.074	252	280680	10.236	ng	99
89) Benzo(k)fluoranthene	23.127	252	265654	10.142	ng	99
90) Benzo(a)pyrene	23.704	252	244705	10.030	ng #	98
91) Dibenzo(a,h)anthracene	26.368	278	278063	10.152	ng	98
92) Benzo(g,h,i)perylene	27.115	276	269194	9.688	ng	99

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

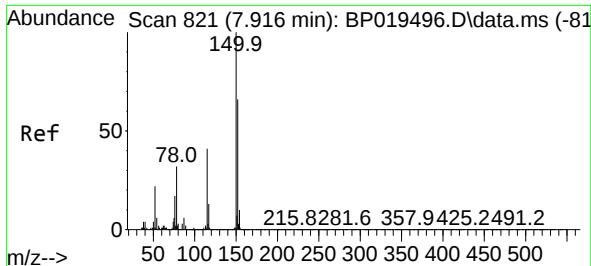
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Abundance

TIC: BP019523.D\data.ms

Time-->

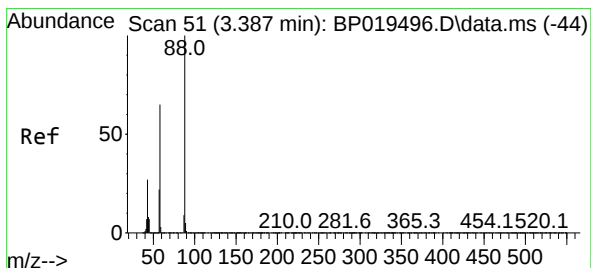
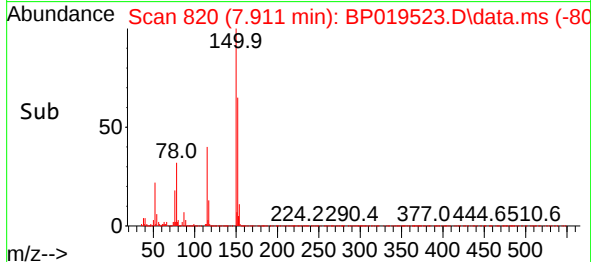
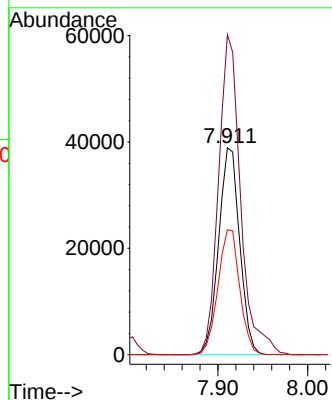
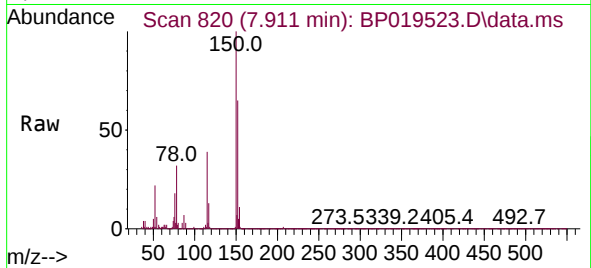
1,4-Dioxane
N,N-dimethylamine,
S
2-Fluorophenol, S
Phenol-d6, S
Phenol
Benzaldehyde
Di-n-butylphthalate, ether
1,3-Dichlorobenzene-d4, I
Benzyl alcohol
Benzyl isocyanide
2,2-Dimethylpropane
3-Methylbutan-2-amine, P
Nitrobenzene-d5, S
Nitrobenzene
Isopropyl alcohol
Benzyltrimethylphenol
Di-n-butylphthalate
1,2-Dichloroethane
1,2,4-Trichlorobenzene-d8, I
4-Chlorophenol
Hexachlorobutadiene, C
Caprolactam
4-Chloro-3-methylphenol, C
2-Methylnaphthalene
Hexachlorocyclopentadiene, C
2,4,6-Trichlorophenol, C
2-Chloronaphthalene
2-Nitroaniline
2,6-Dimethylphthalate
Di-n-butylphthalate
3-Nitroaniline
2,4-Dichlorophenol
2,3,4,6-Tetrachlorophenol
Diethylphthalate
4,6-Dimethylphenyl-phenylether
4-Nitrophenyl-phenylamine, C
4-Bromobenzophenylether
4-Bromophenol, C
Perfluorophenol, C
Atrazine
Phenanthrene-d10, I
Carbazole
Di-n-butylphthalate
Fluoranthene, C
Benzidine
Pyrene
Butylbenzylphthalate
Chrysene
Di-n-butylphthalate, I
Di-n-butylphthalate, I
Di-n-octyl phthalate, c
Benzofluoranthene
Benzo(a)pyrene-d12, I
Benzo(a)pyrene
Dibenz(a,h)anthracene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

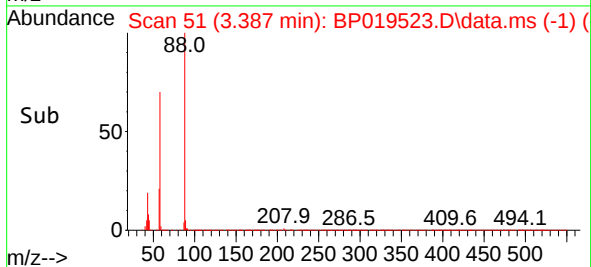
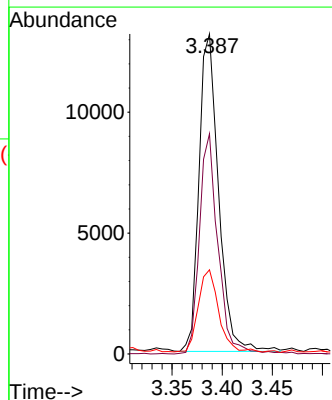
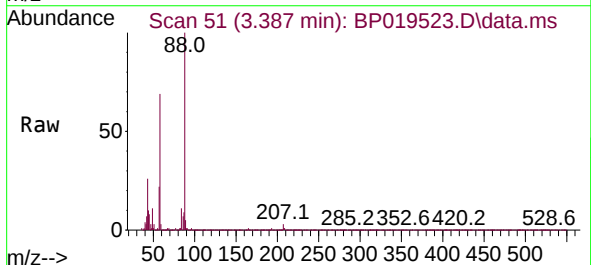
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:152 Resp: 63333
Ion Ratio Lower Upper
152 100
150 154.7 121.8 182.8
115 60.4 49.9 74.9



#2
1,4-Dioxane
Concen: 11.794 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 88 Resp: 17854
Ion Ratio Lower Upper
88 100
58 65.9 52.6 78.8
43 26.8 21.9 32.9

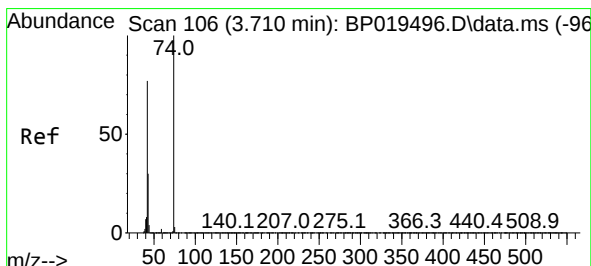
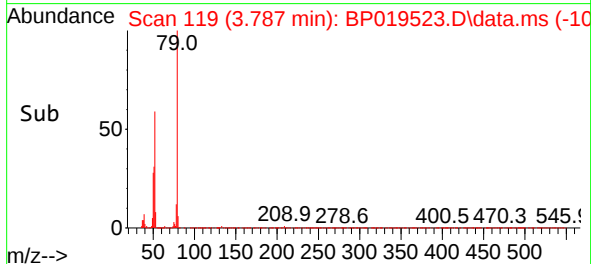
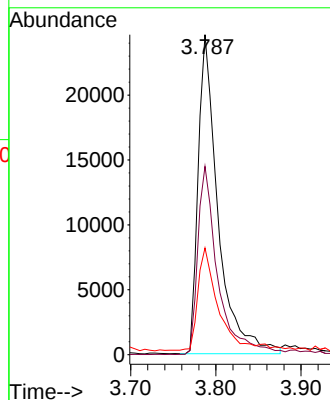
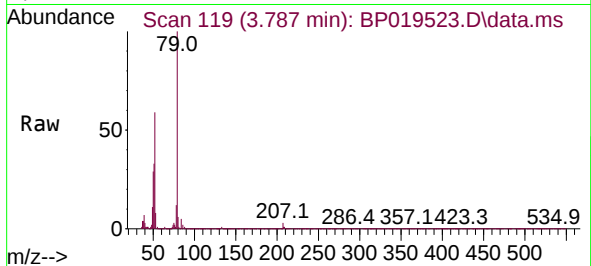




#3
Pyridine
Concen: 9.718 ng
RT: 3.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

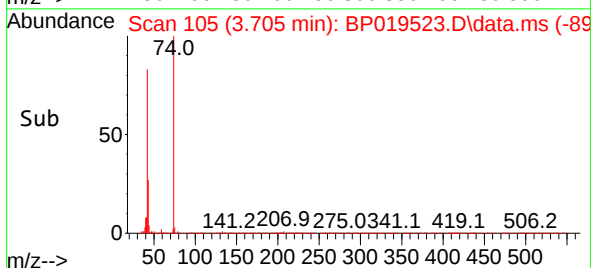
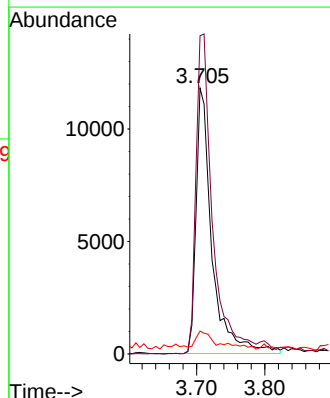
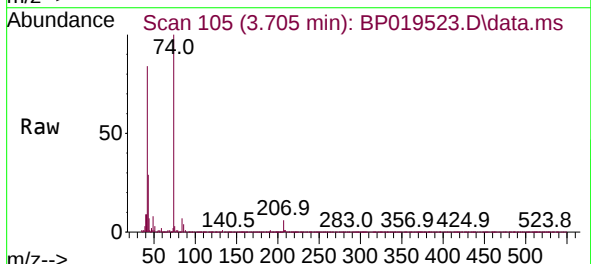
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ClientSampleId :
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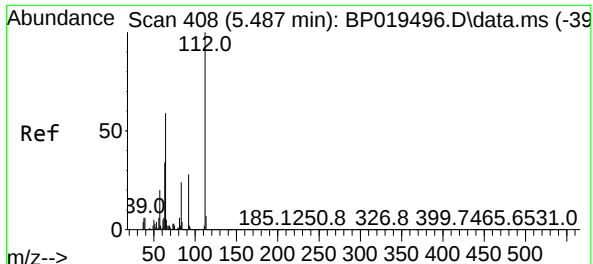
Tgt Ion: 79	Resp: 39882
Ion Ratio	Lower Upper
79 100	
52 58.8	45.0 67.6
51 33.4	26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 10.689 ng
RT: 3.705 min Scan# 105
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 42	Resp: 19099
Ion Ratio	Lower Upper
42 100	
74 119.7	103.4 155.2
44 8.6	4.8 7.2

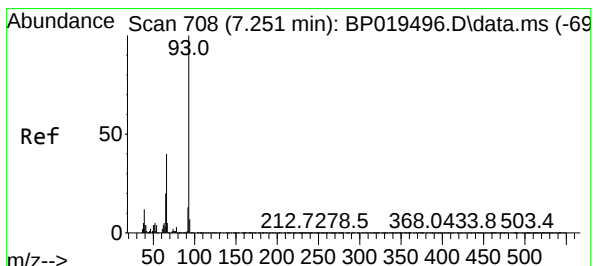
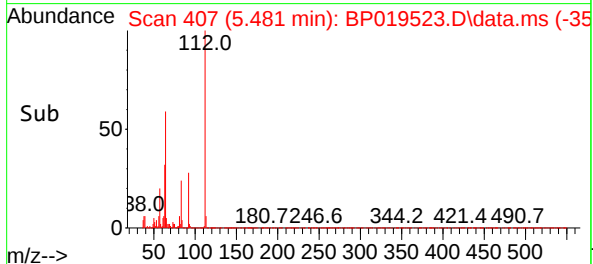
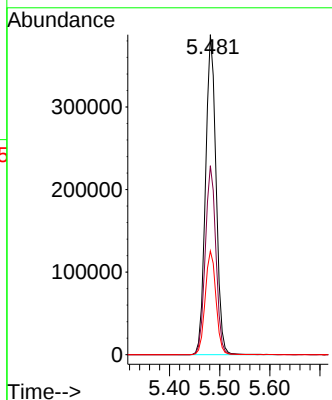
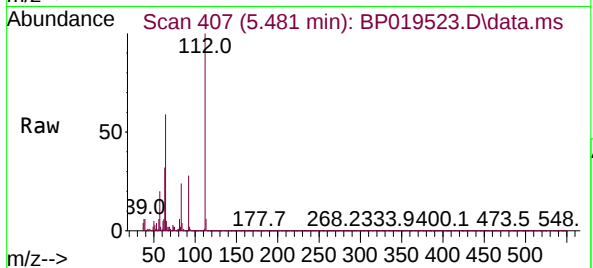




#5
2-Fluorophenol
Concen: 144.058 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

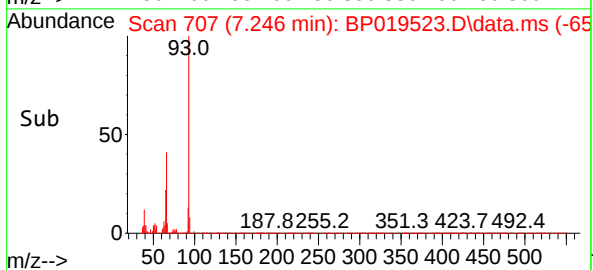
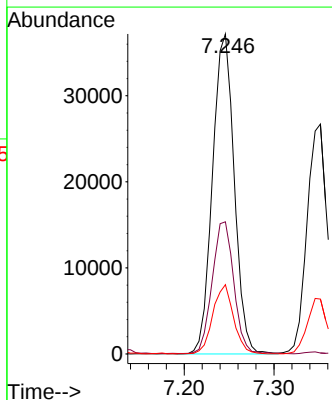
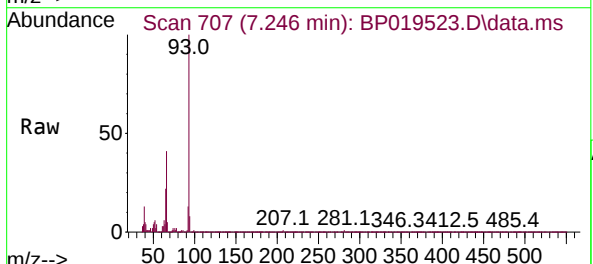
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:112 Resp: 566010
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 32.4 27.0 40.6



#6
Aniline
Concen: 12.152 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 93 Resp: 62553
Ion Ratio Lower Upper
93 100
66 41.3 32.3 48.5
65 21.7 16.4 24.6

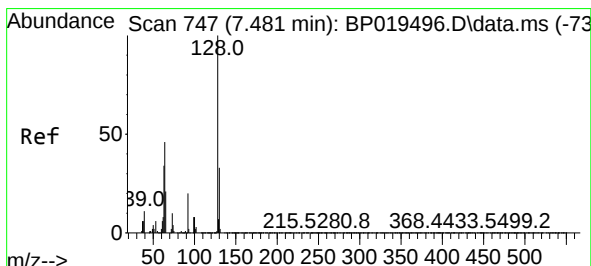
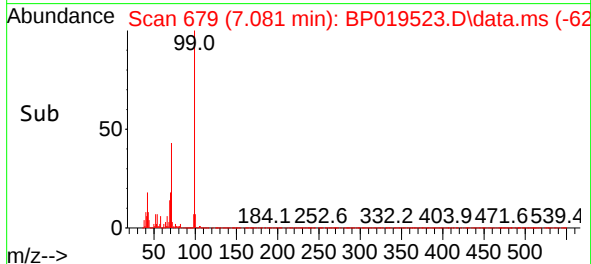
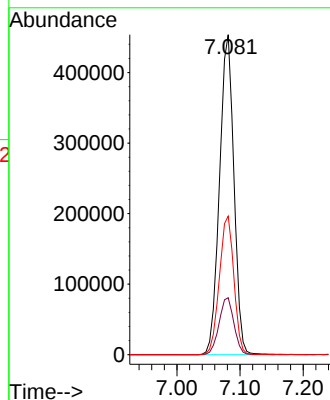
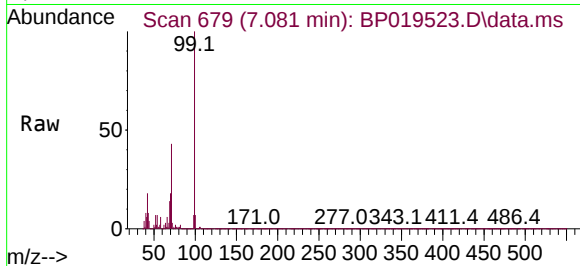




#7
Phenol-d6
Concen: 135.770 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

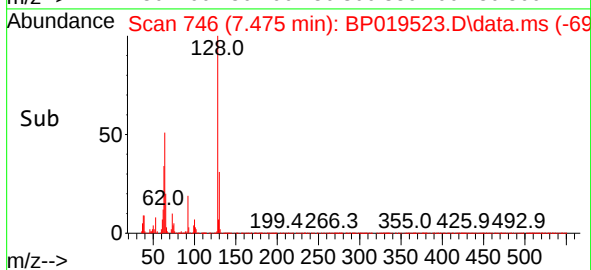
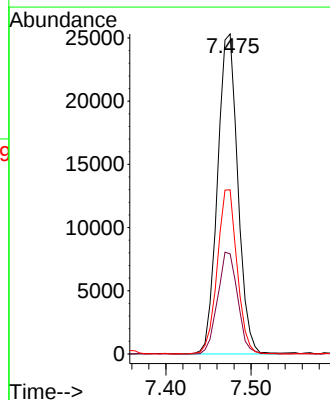
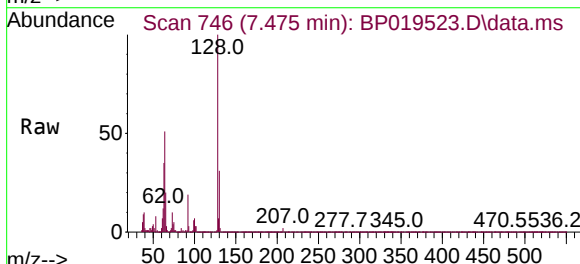
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ClientSampleId :
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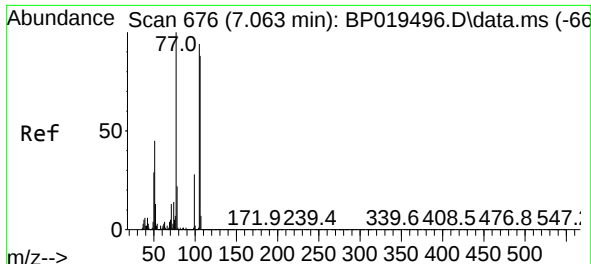
Tgt Ion: 99 Resp: 719278
Ion Ratio Lower Upper
99 100
42 17.8 14.7 22.1
71 43.3 34.8 52.2



#8
2-Chlorophenol
Concen: 10.369 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 128 Resp: 41827
Ion Ratio Lower Upper
128 100
130 31.3 13.3 53.3
64 51.3 29.7 69.7

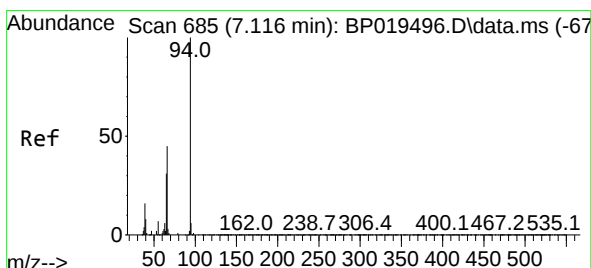
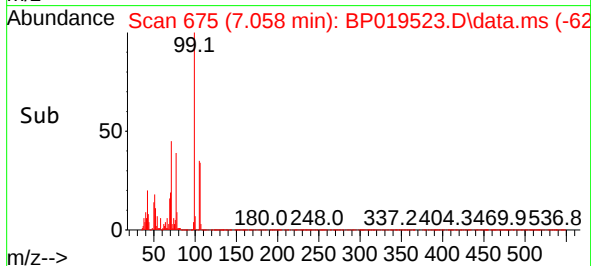
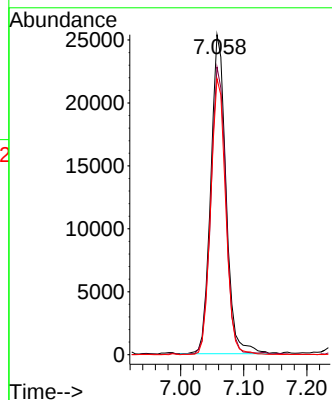
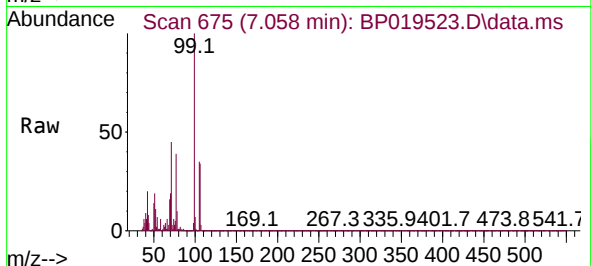




#9
Benzaldehyde
Concen: 11.474 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

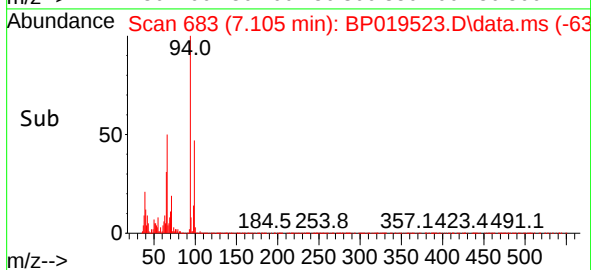
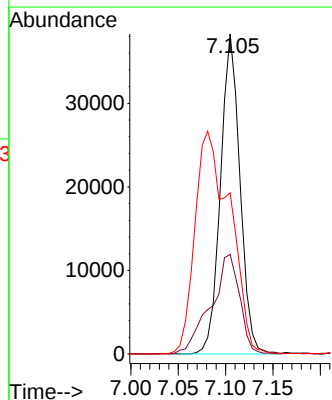
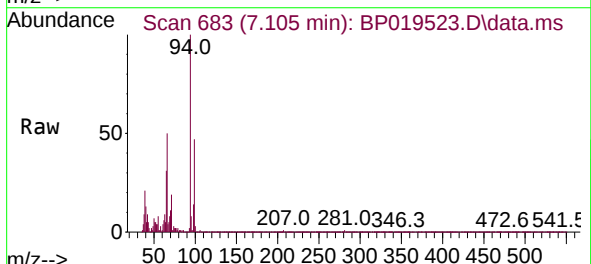
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

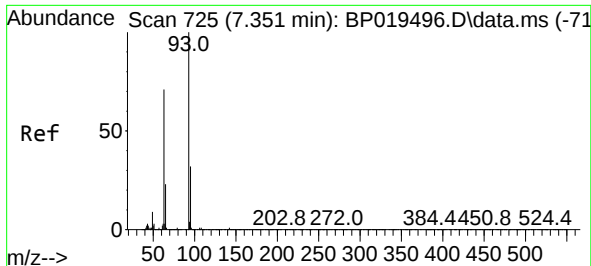
Tgt Ion: 77 Resp: 42618
Ion Ratio Lower Upper
77 100
105 89.9 74.0 114.0
106 86.2 67.8 107.8



#10
Phenol
Concen: 10.366 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 94 Resp: 54734
Ion Ratio Lower Upper
94 100
65 31.1 11.3 51.3
66 50.4 25.1 65.1

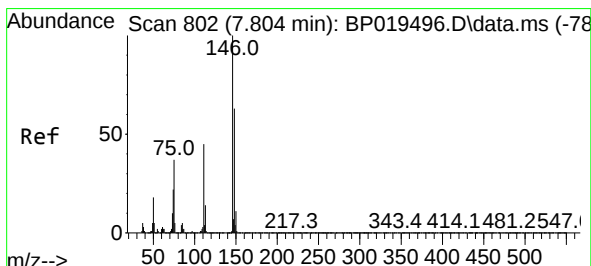
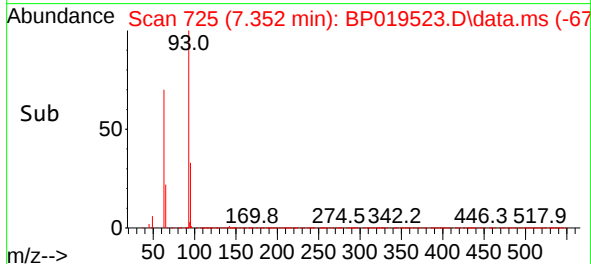
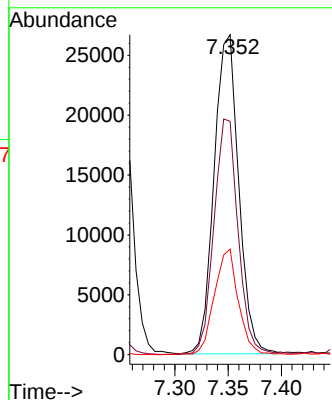
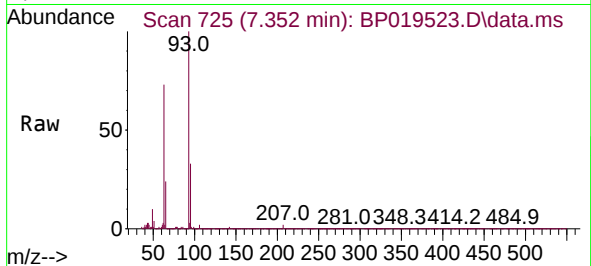




#11
bis(2-Chloroethyl)ether
Concen: 10.432 ng
RT: 7.352 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

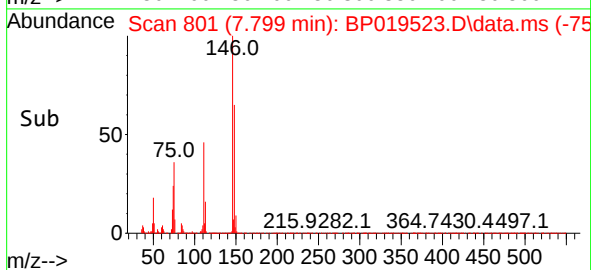
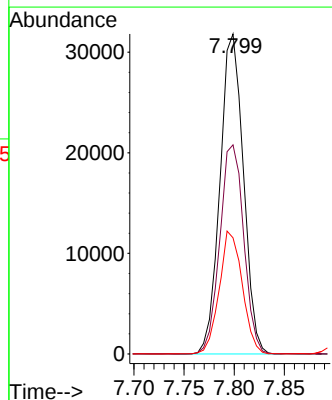
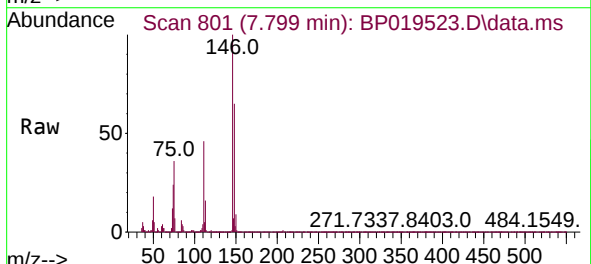
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

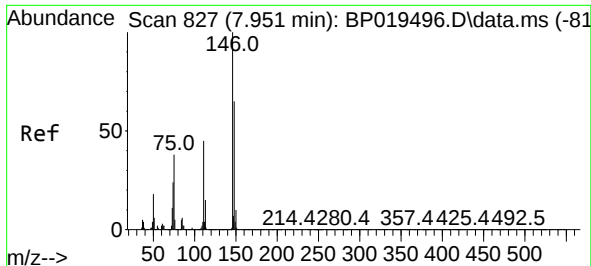
Tgt Ion: 93 Resp: 42856
Ion Ratio Lower Upper
93 100
63 73.0 51.2 91.2
95 33.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 10.440 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:146 Resp: 51530
Ion Ratio Lower Upper
146 100
148 65.4 50.4 75.6
75 36.3 29.9 44.9

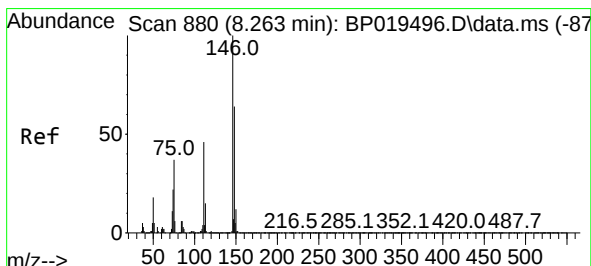
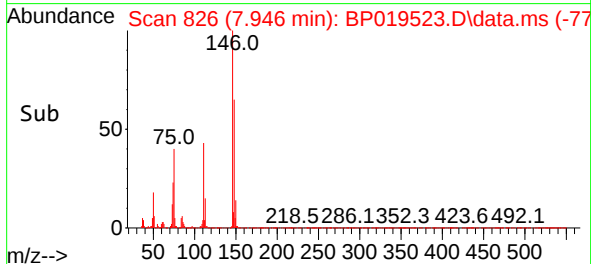
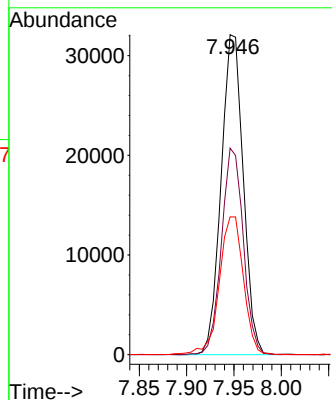
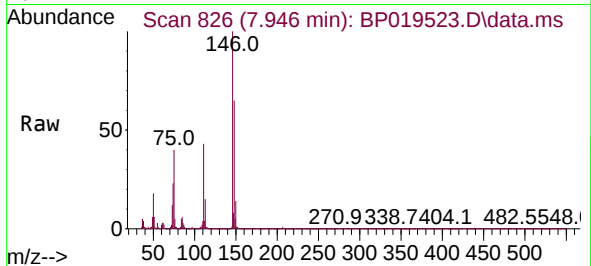




#13
1,4-Dichlorobenzene
Concen: 10.440 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

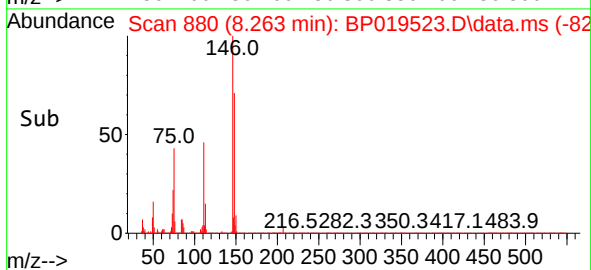
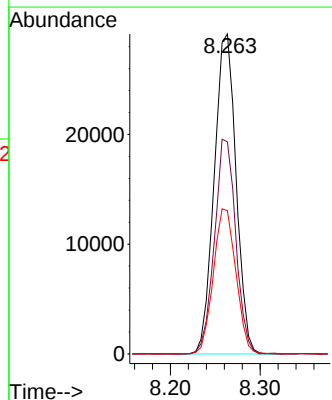
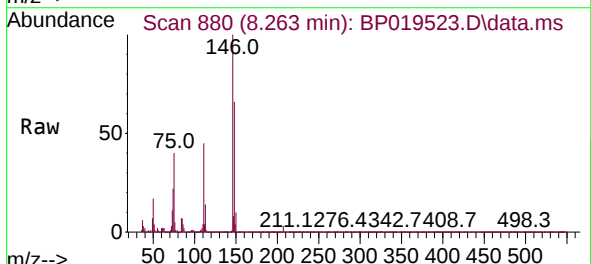
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

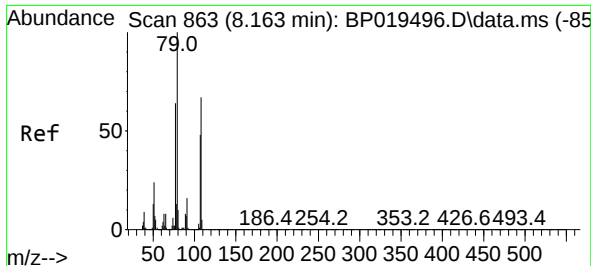
Tgt Ion:146 Resp: 52208
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 43.1 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 10.205 ng
RT: 8.263 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:146 Resp: 49375
Ion Ratio Lower Upper
146 100
148 66.3 51.4 77.0
111 44.8 37.0 55.6

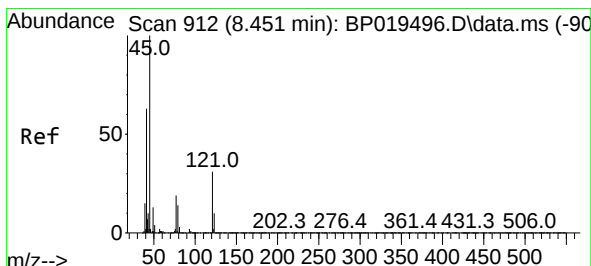
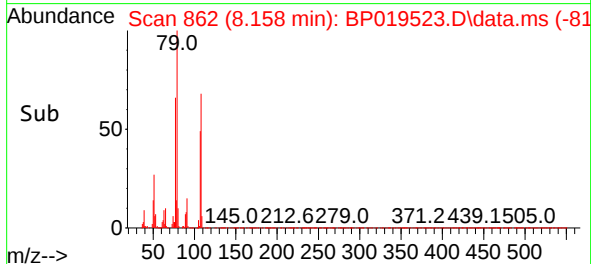
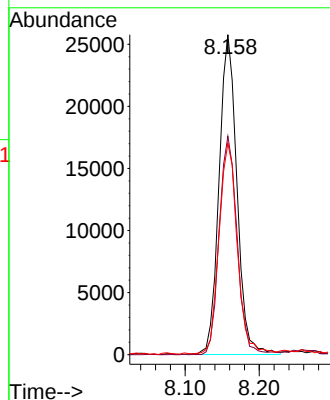
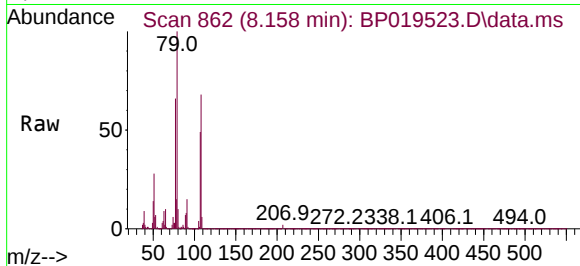




#15
Benzyl Alcohol
Concen: 10.185 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

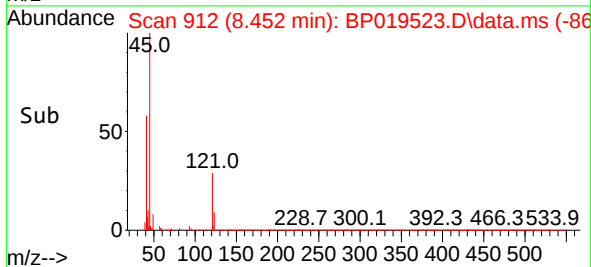
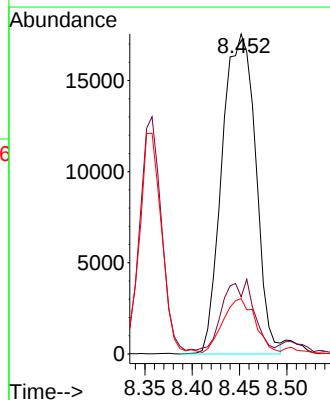
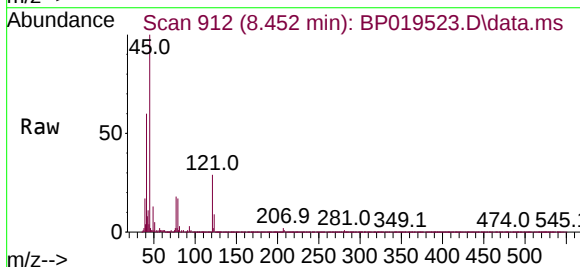
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

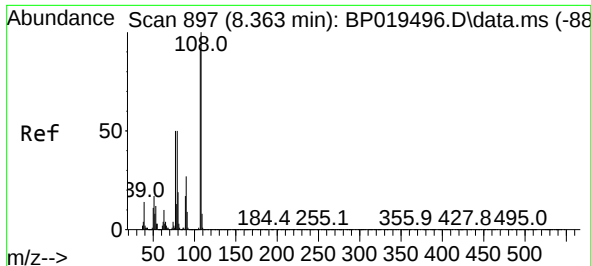
Tgt Ion: 79 Resp: 43111
Ion Ratio Lower Upper
79 100
108 68.2 53.8 80.6
77 66.0 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.528 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 45 Resp: 43248
Ion Ratio Lower Upper
45 100
77 17.8 0.8 40.8
79 17.3 0.0 35.5

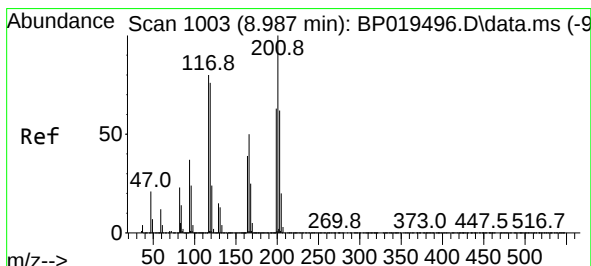
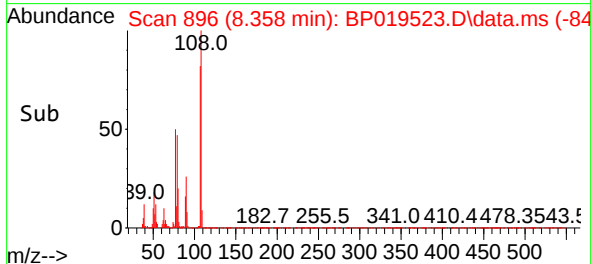
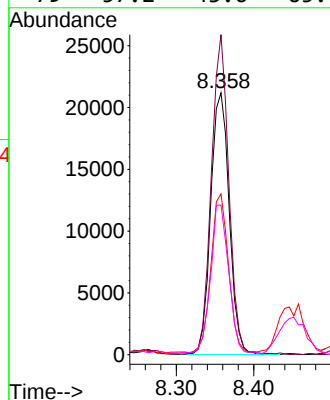
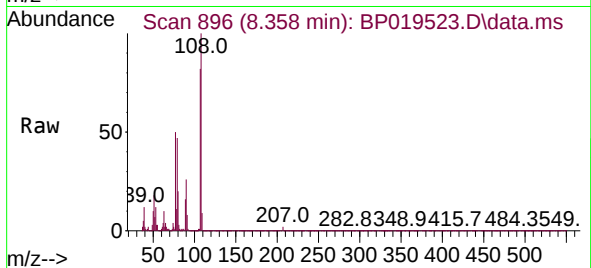




#17
2-Methylphenol
Concen: 9.928 ng
RT: 8.358 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

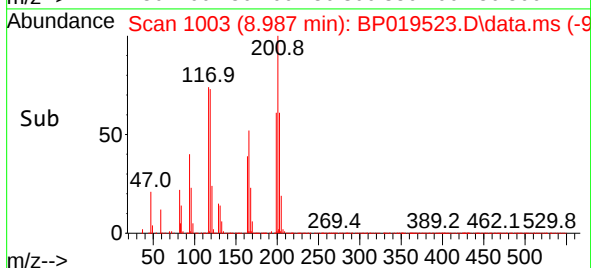
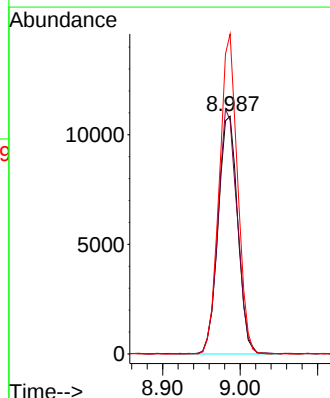
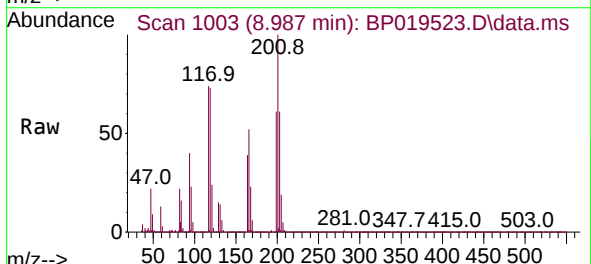
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

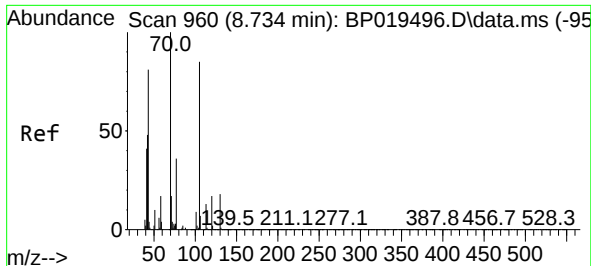
Tgt Ion:	107	Resp:	35291
Ion	Ratio	Lower	Upper
107	100		
108	122.2	87.0	130.6
77	61.4	43.5	65.3
79	57.2	43.6	65.4



#18
Hexachloroethane
Concen: 9.818 ng
RT: 8.987 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	117	Resp:	19031
Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.5	113.3
201	137.7	99.4	149.2

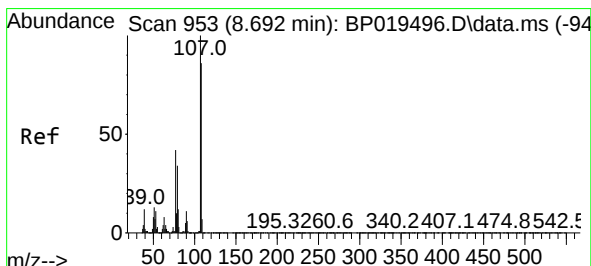
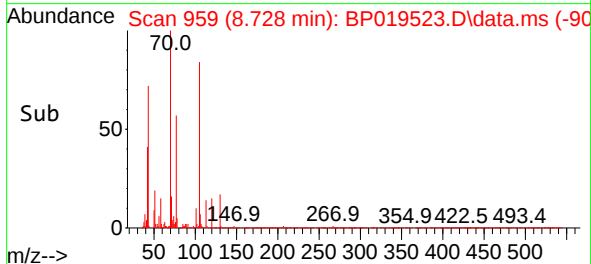
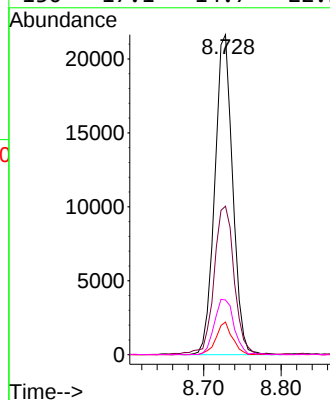
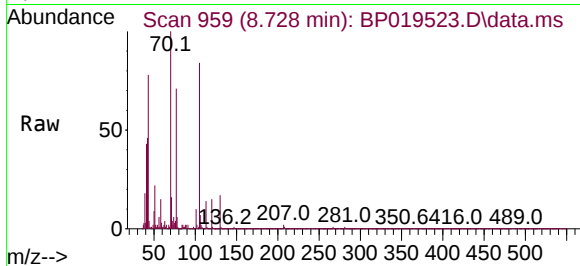




#19
n-Nitroso-di-n-propylamine
Concen: 9.580 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

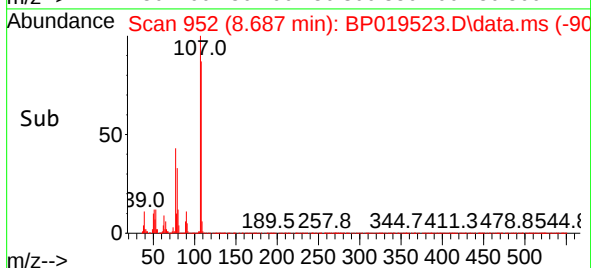
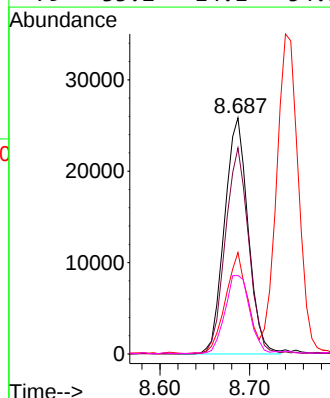
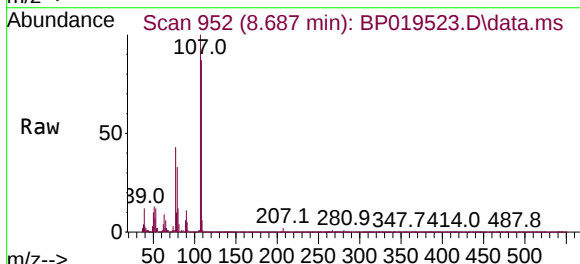
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

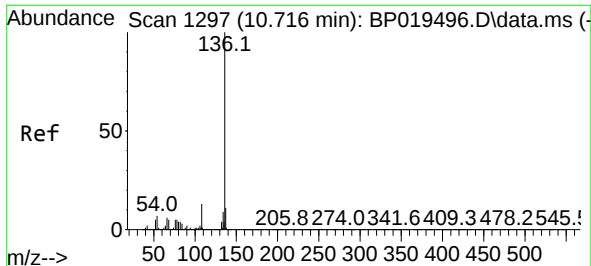
Tgt Ion:	70	Resp:	34665
Ion	Ratio	Lower	Upper
70	100		
42	46.4	39.2	58.8
101	10.2	7.3	10.9
130	17.1	14.7	22.1



#20
3+4-Methylphenols
Concen: 9.726 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	107	Resp:	47187
Ion	Ratio	Lower	Upper
107	100		
108	87.2	65.5	105.5
77	43.0	21.8	61.8
79	33.2	14.1	54.1

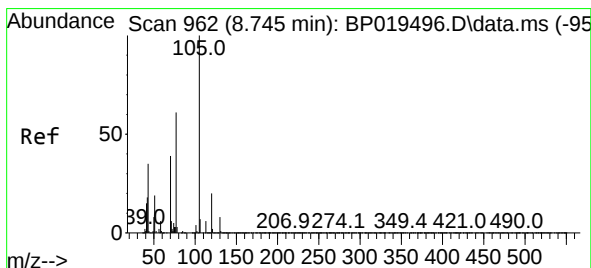
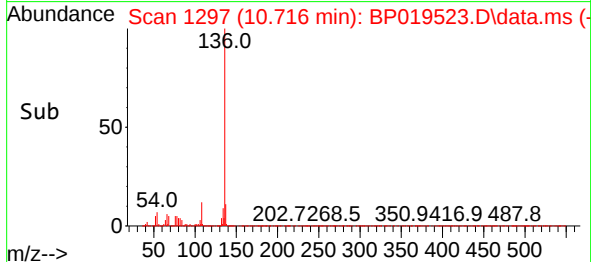
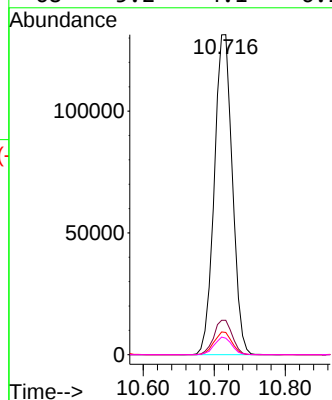
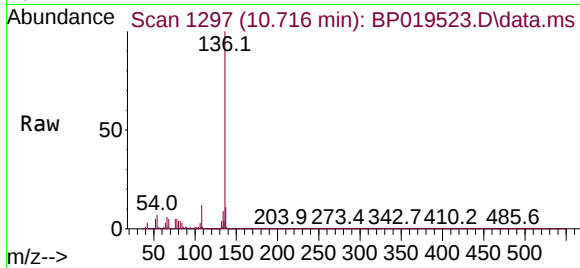




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

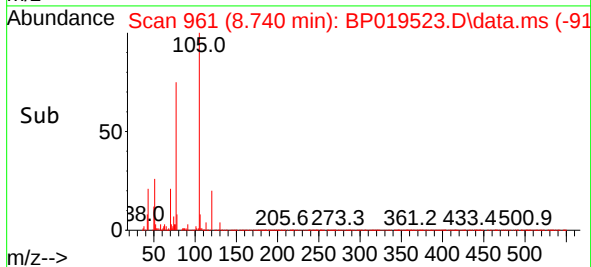
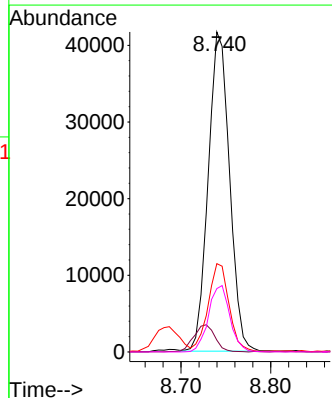
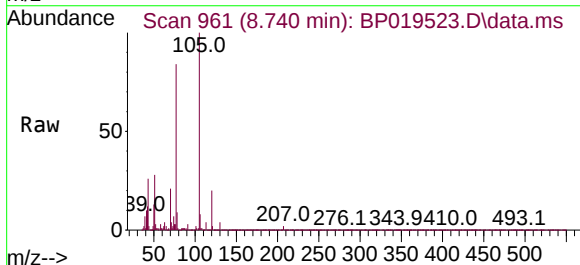
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	136	Resp:	231582
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.3	7.9
68	5.2	4.1	6.1



#22
Acetophenone
Concen: 10.404 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	105	Resp:	68642
Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.9	7.3
51	27.6	20.7	31.1
120	19.8	15.8	23.8





#23

Nitrobenzene-d5

Concen: 83.028 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

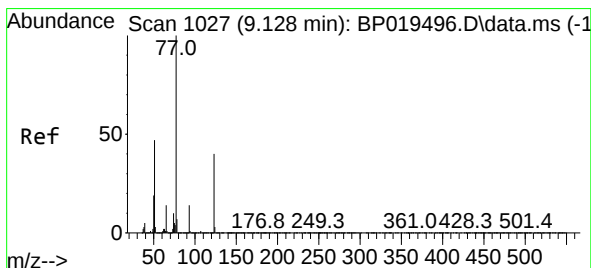
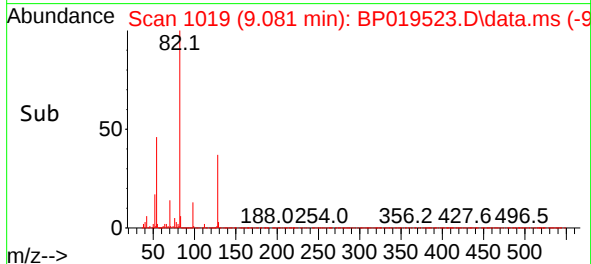
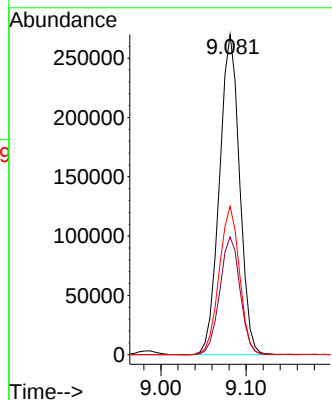
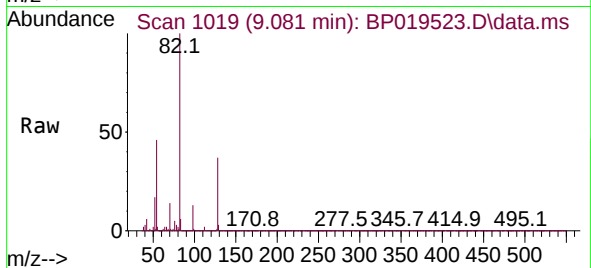
Tgt Ion: 82 Resp: 443737

Ion Ratio Lower Upper

82 100

128 36.8 29.7 44.5

54 46.3 36.8 55.2



#24

Nitrobenzene

Concen: 10.436 ng

RT: 9.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

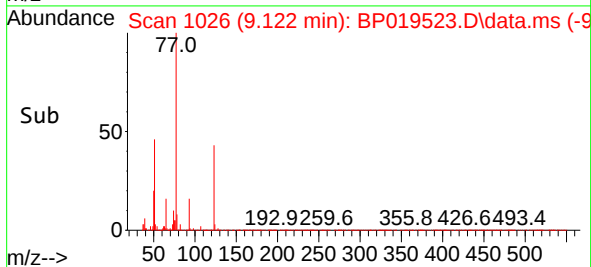
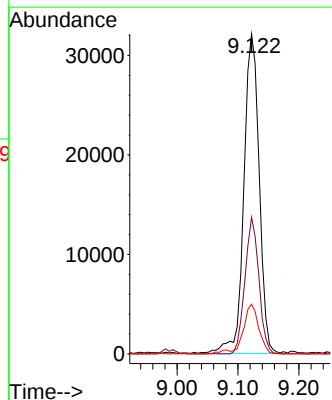
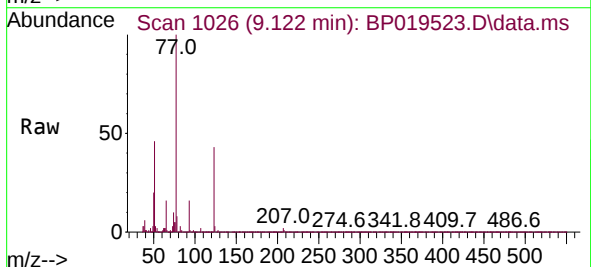
Tgt Ion: 77 Resp: 56157

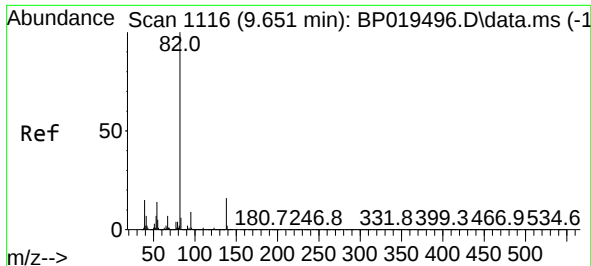
Ion Ratio Lower Upper

77 100

123 42.7 32.3 48.5

65 15.5 11.6 17.4





#25

Isophorone

Concen: 9.534 ng

RT: 9.646 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

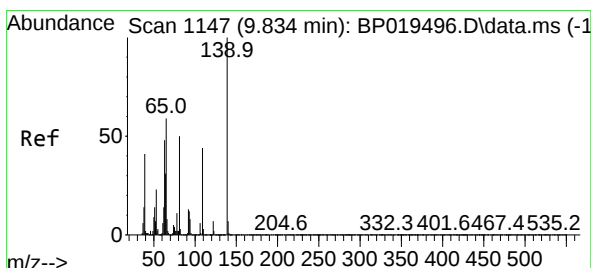
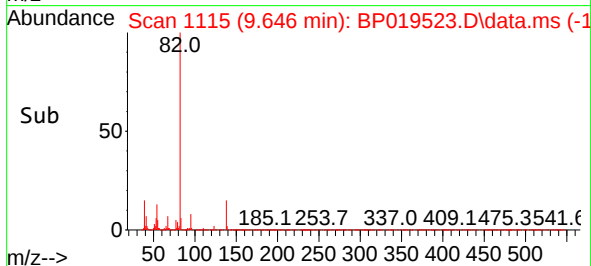
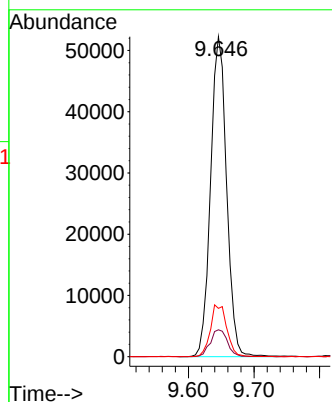
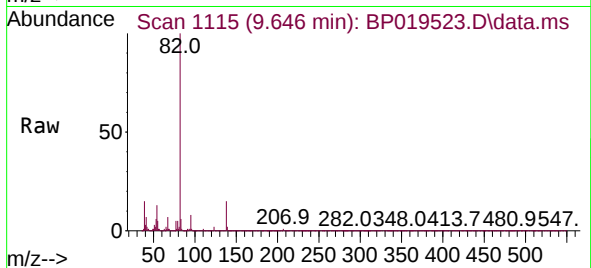
Tgt Ion: 82 Resp: 88743

Ion Ratio Lower Upper

82 100

95 8.4 7.0 10.4

138 15.1 13.1 19.7



#26

2-Nitrophenol

Concen: 9.182 ng

RT: 9.828 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

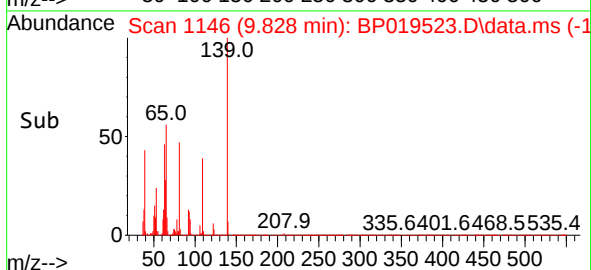
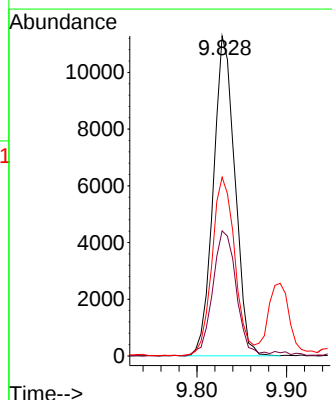
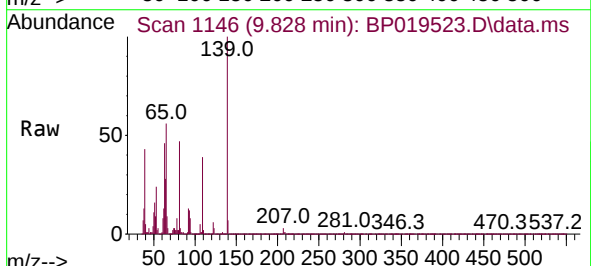
Tgt Ion:139 Resp: 18840

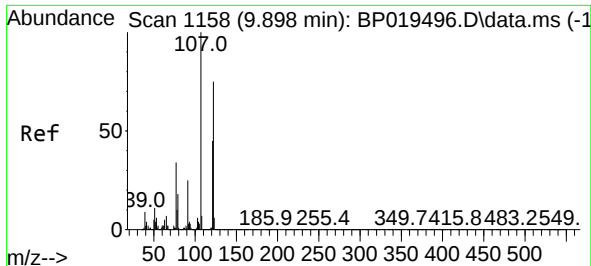
Ion Ratio Lower Upper

139 100

109 39.1 34.9 52.3

65 55.8 47.5 71.3

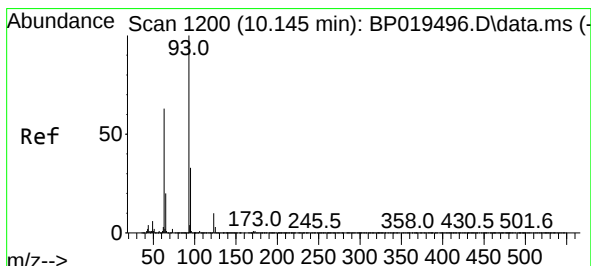
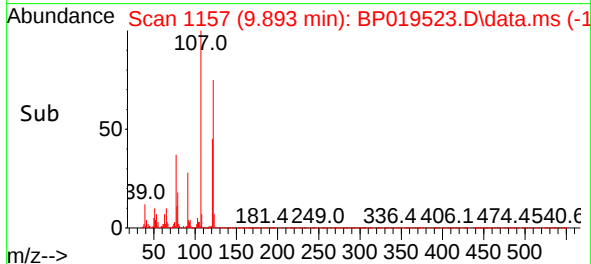
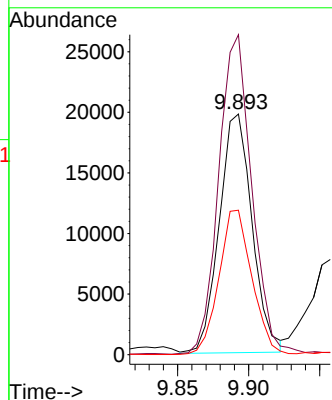
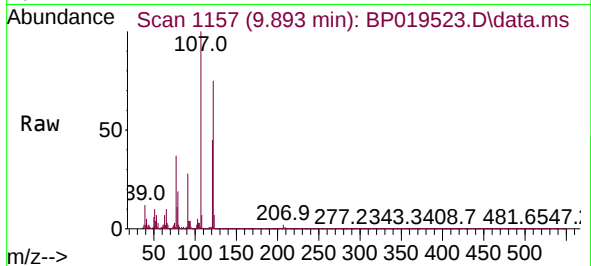




#27
2,4-Dimethylphenol
Concen: 12.092 ng
RT: 9.893 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

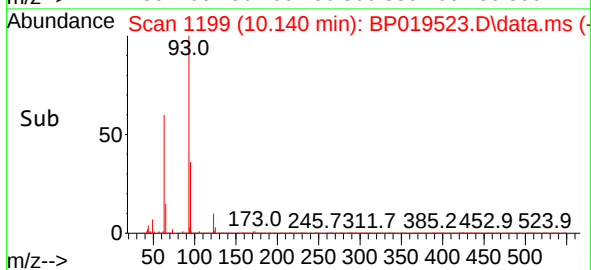
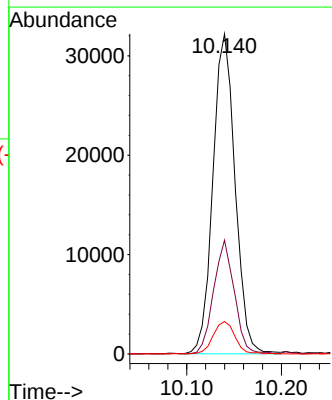
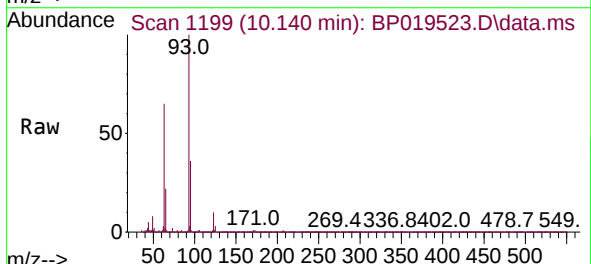
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

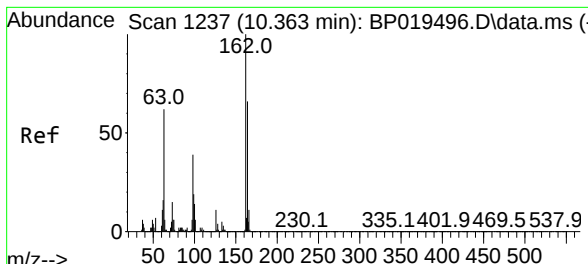
Tgt Ion:122 Resp: 31723
Ion Ratio Lower Upper
122 100
107 132.9 105.9 158.9
121 60.0 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 9.931 ng
RT: 10.140 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion: 93 Resp: 52300
Ion Ratio Lower Upper
93 100
95 35.5 26.2 39.4
123 10.2 8.5 12.7

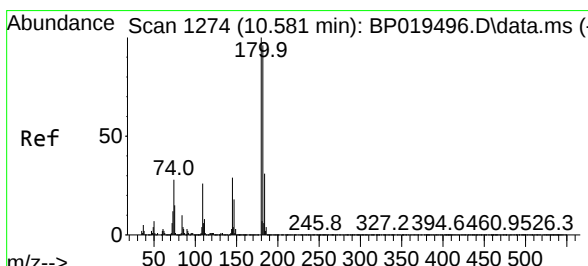
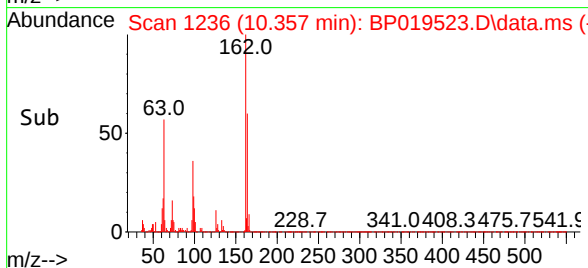
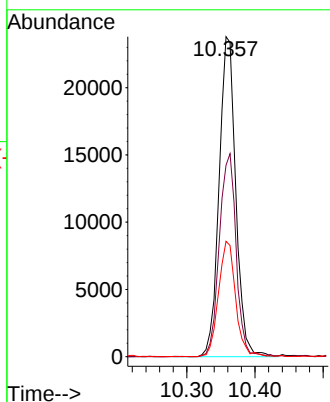
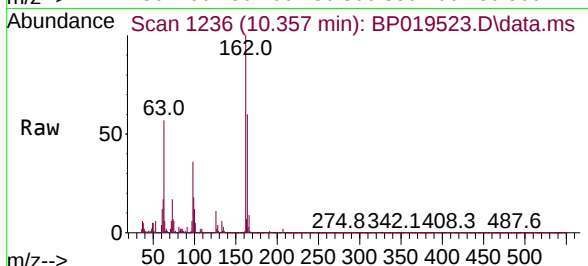




#29
2,4-Dichlorophenol
Concen: 10.208 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

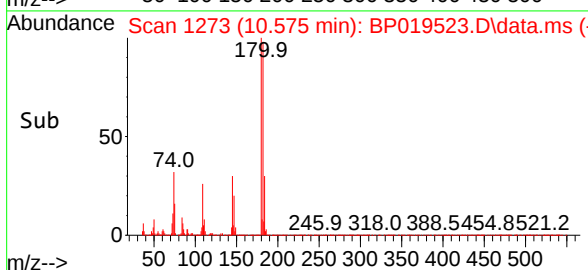
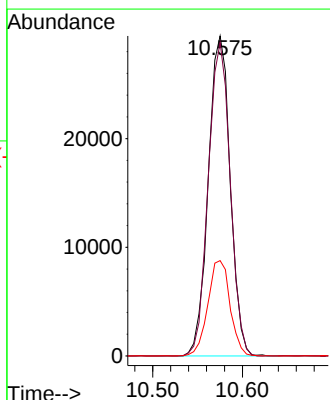
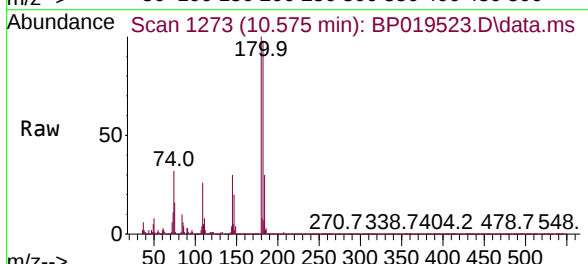
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

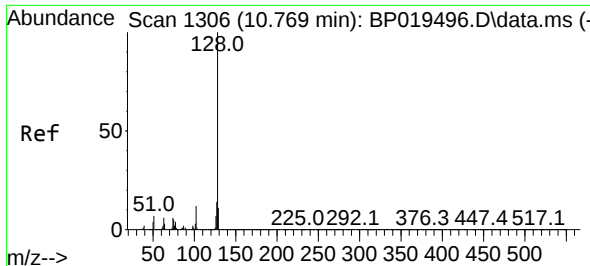
Tgt Ion:	162	Resp:	40483
Ion	Ratio	Lower	Upper
162	100		
164	59.8	46.0	86.0
98	36.0	18.7	58.7



#30
1,2,4-Trichlorobenzene
Concen: 10.263 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	180	Resp:	49907
Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.0	115.6
145	29.8	23.2	34.8

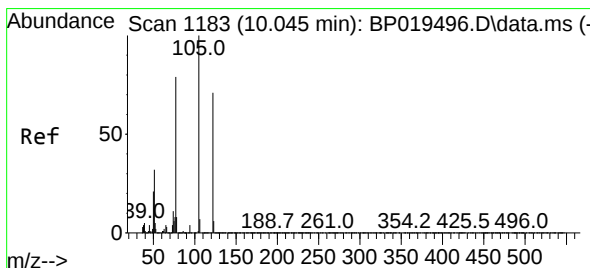
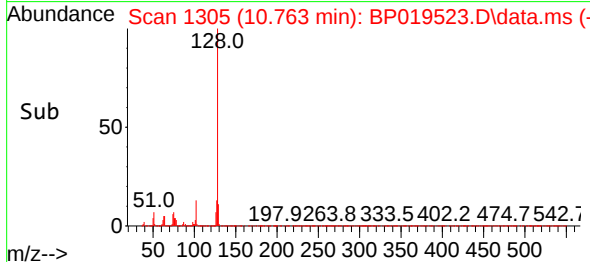
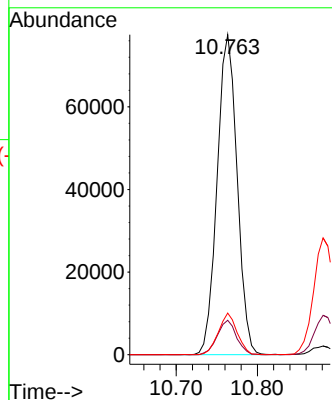
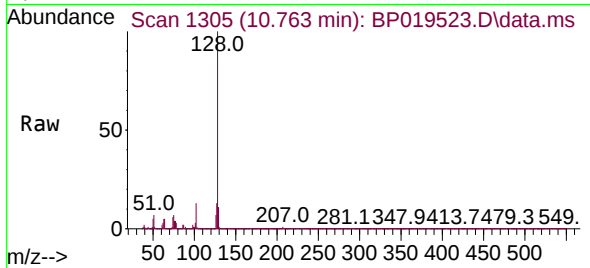




#31
Naphthalene
Concen: 10.434 ng
RT: 10.763 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

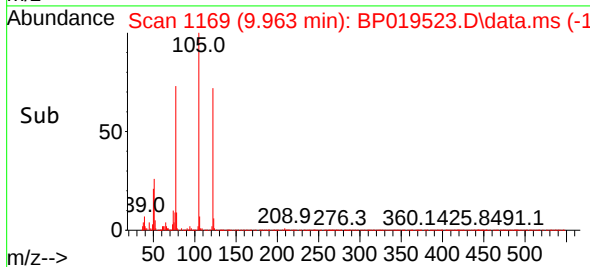
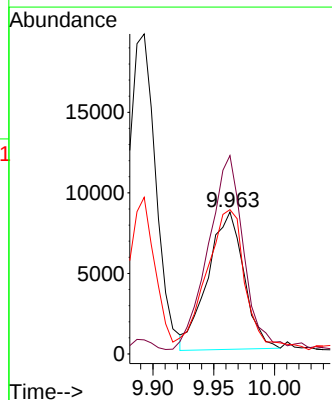
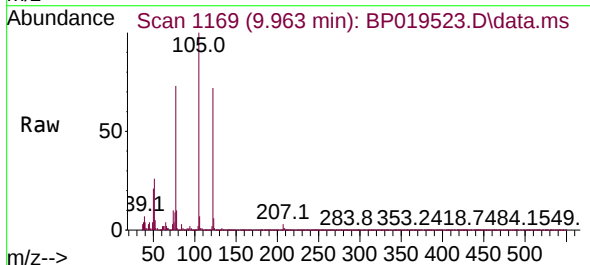
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

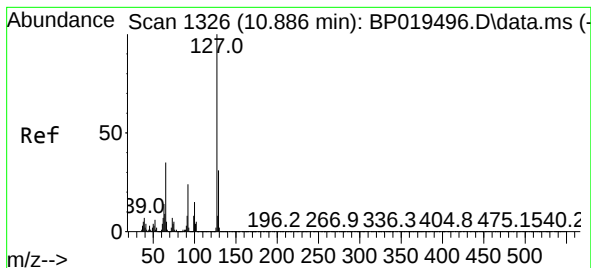
Tgt Ion:128 Resp: 132519
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.0 10.8 16.2



#32
Benzoic acid
Concen: 6.885 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.082 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:122 Resp: 17598
Ion Ratio Lower Upper
122 100
105 139.8 118.8 158.8
77 101.6 91.7 131.7





#33

4-Chloroaniline

Concen: 10.647 ng

RT: 10.881 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:127 Resp: 50012

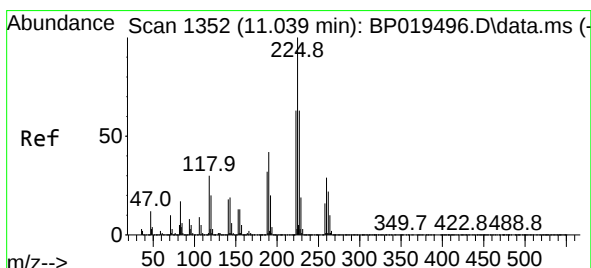
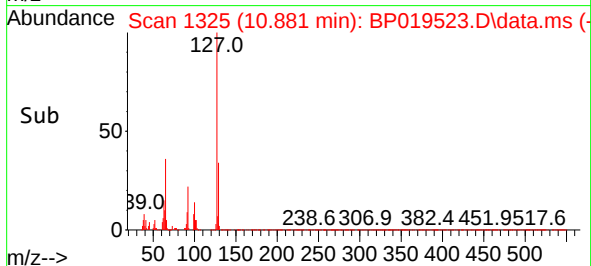
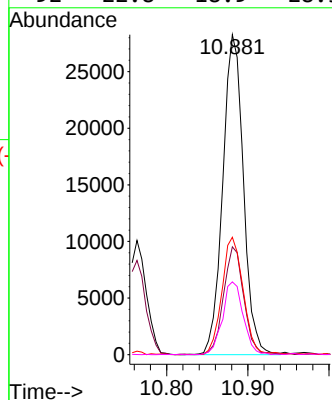
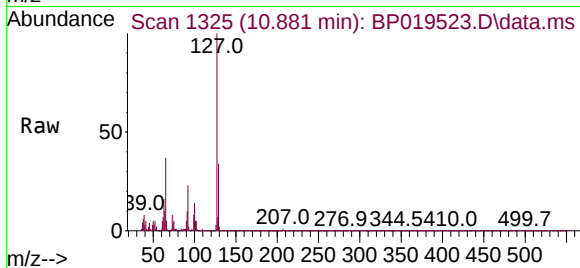
Ion Ratio Lower Upper

127 100

129 33.7 24.6 36.8

65 36.7 28.2 42.4

92 22.8 18.9 28.3



#34

Hexachlorobutadiene

Concen: 10.053 ng

RT: 11.040 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

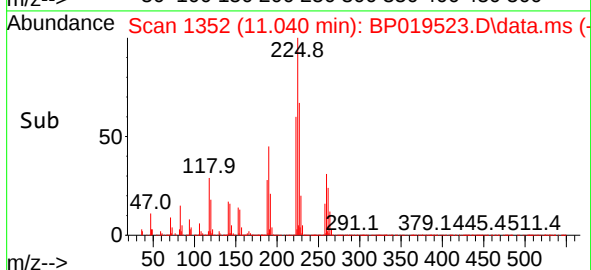
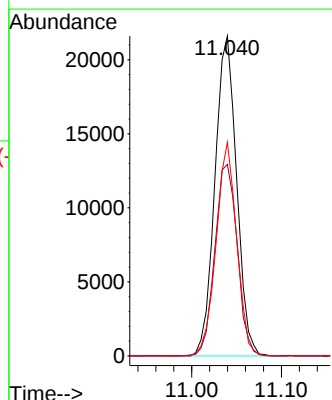
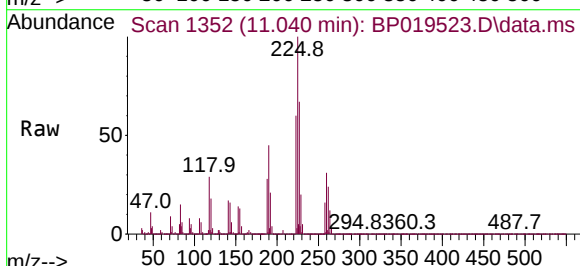
Tgt Ion:225 Resp: 36226

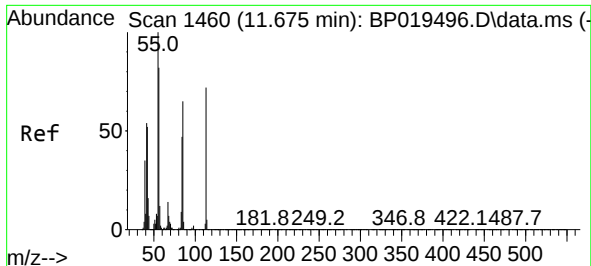
Ion Ratio Lower Upper

225 100

223 59.8 50.5 75.7

227 66.8 50.2 75.2

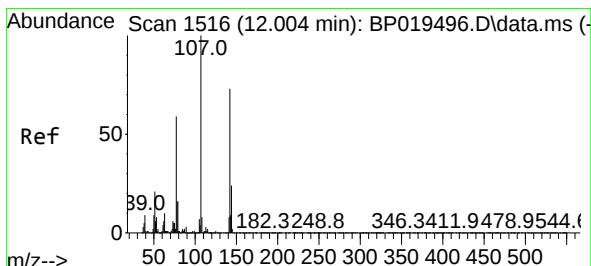
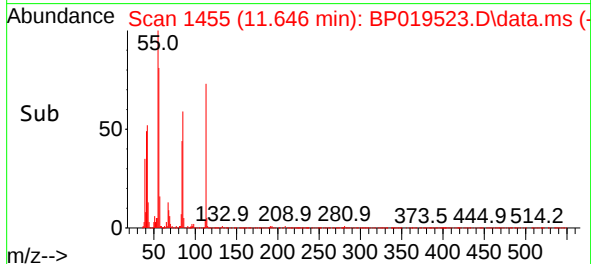
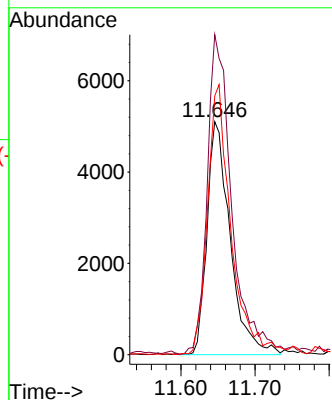
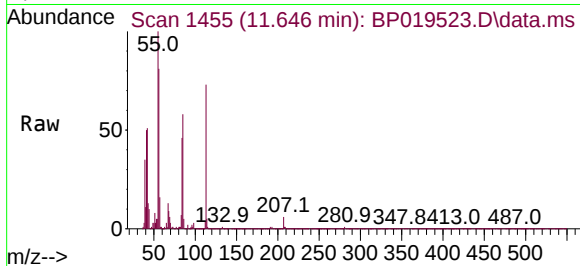




#35
Caprolactam
Concen: 9.890 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

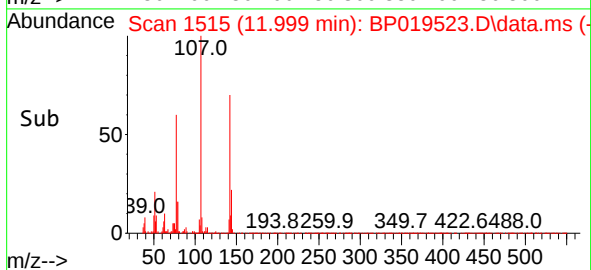
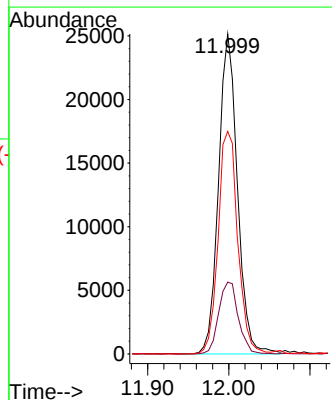
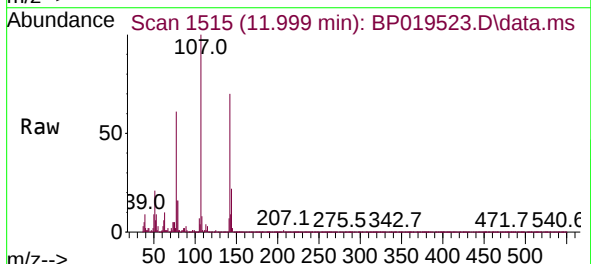
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

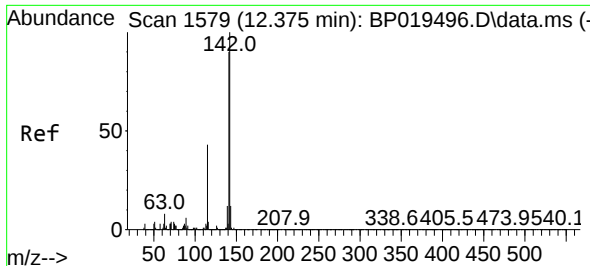
Tgt Ion	Ratio	Lower	Upper
113	100		
55	137.3	120.0	160.0
56	111.0	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 9.417 ng
RT: 11.999 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.5	19.0	28.4
142	69.6	58.6	88.0

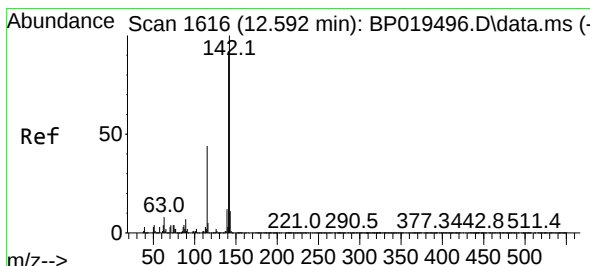
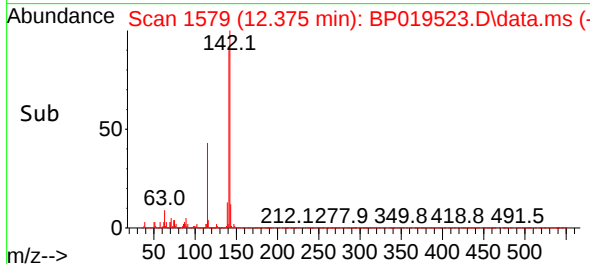
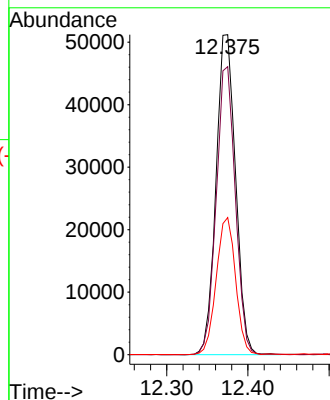
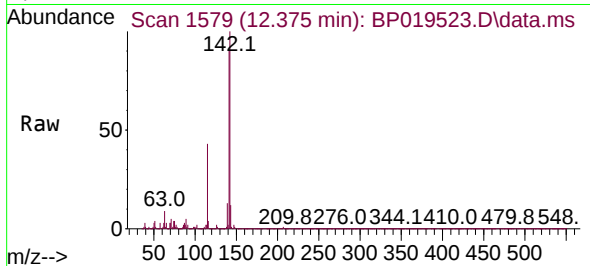




#37
2-Methylnaphthalene
Concen: 9.758 ng
RT: 12.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

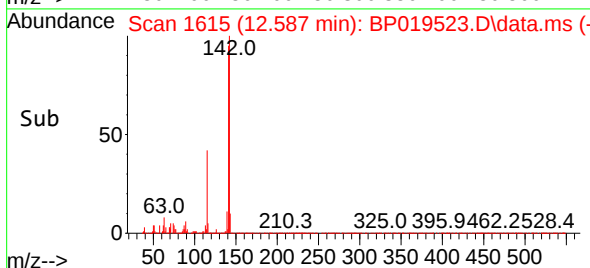
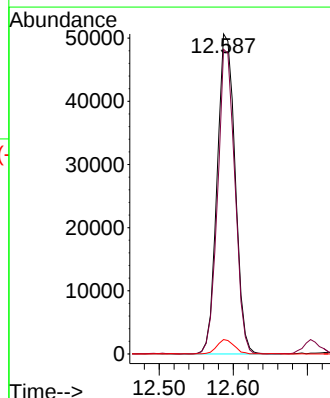
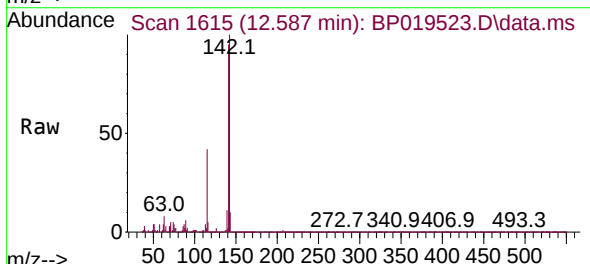
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

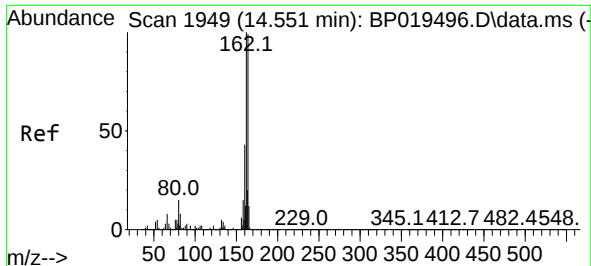
Tgt Ion:142 Resp: 85771
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4
115 42.8 34.2 51.2



#38
1-Methylnaphthalene
Concen: 9.852 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:142 Resp: 85101
Ion Ratio Lower Upper
142 100
141 95.2 74.0 111.0
116 4.5 3.7 5.5

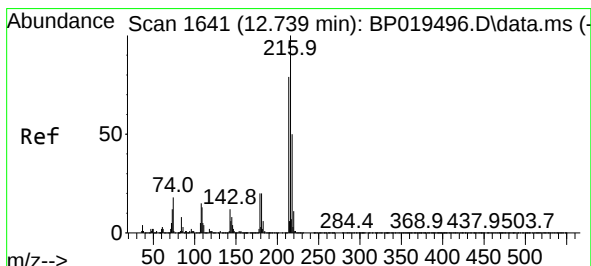
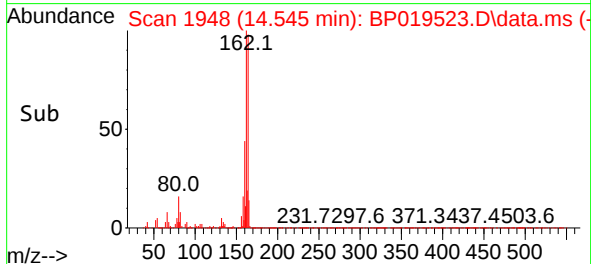
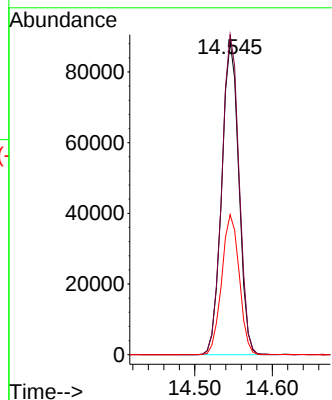
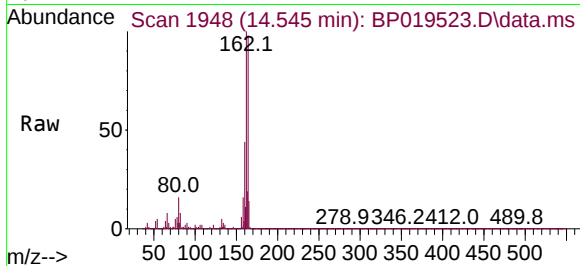




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

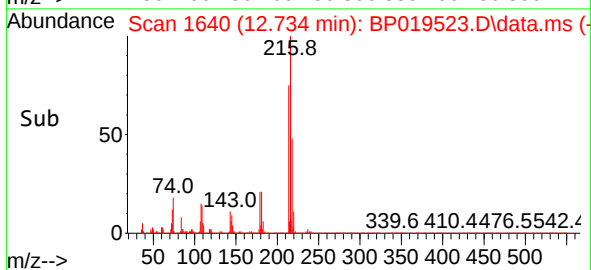
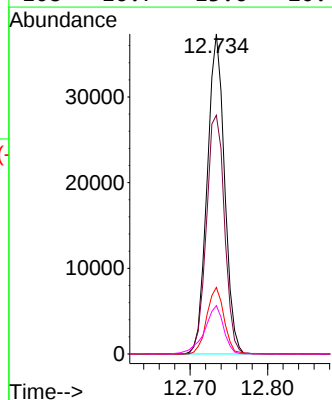
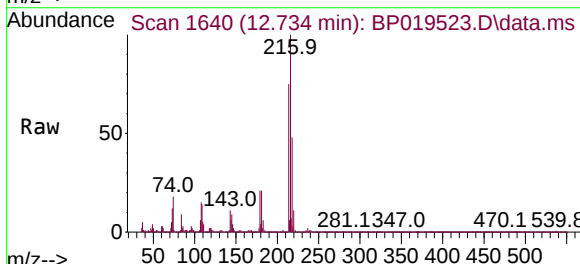
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:164 Resp: 135727
Ion Ratio Lower Upper
164 100
162 102.1 81.2 121.8
160 44.7 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.074 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:216 Resp: 57967
Ion Ratio Lower Upper
216 100
214 77.9 62.8 94.2
179 20.7 16.6 24.8
108 16.7 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 13.708 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

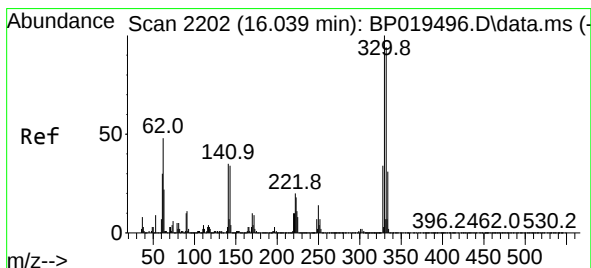
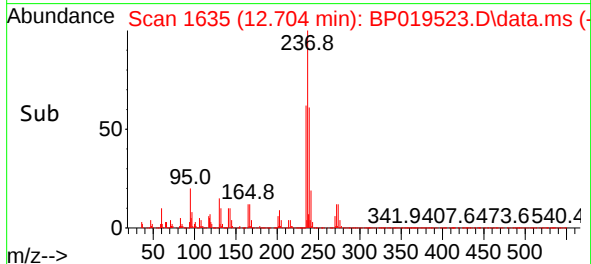
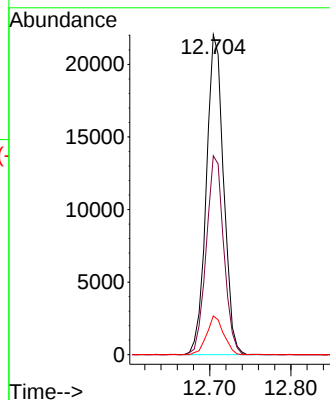
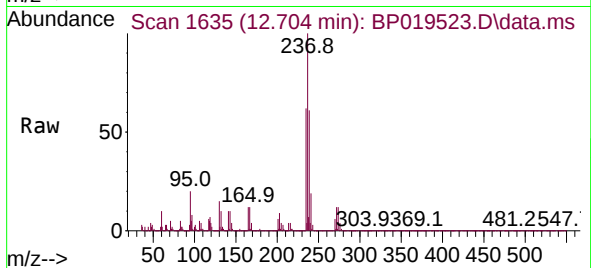
Tgt Ion:237 Resp: 32416

Ion Ratio Lower Upper

237 100

235 62.1 43.7 83.7

272 12.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 148.446 ng

RT: 16.040 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

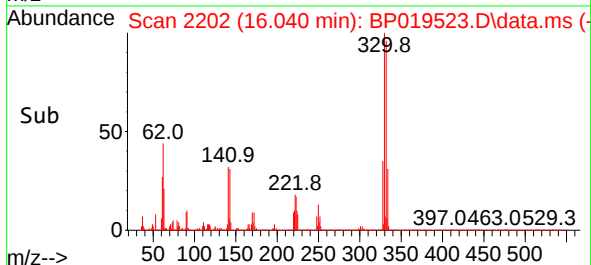
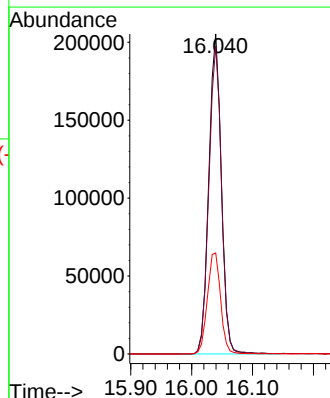
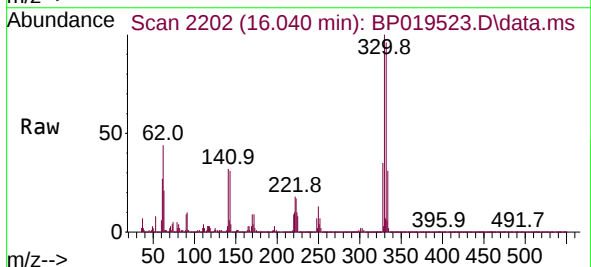
Tgt Ion:330 Resp: 294177

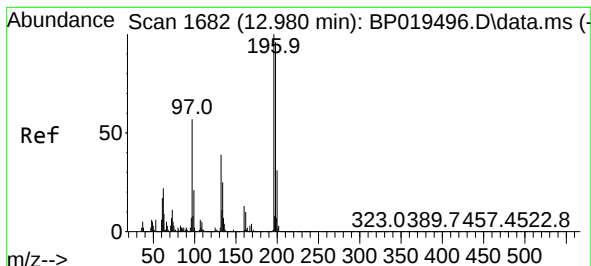
Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 33.3 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 9.814 ng

RT: 12.981 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

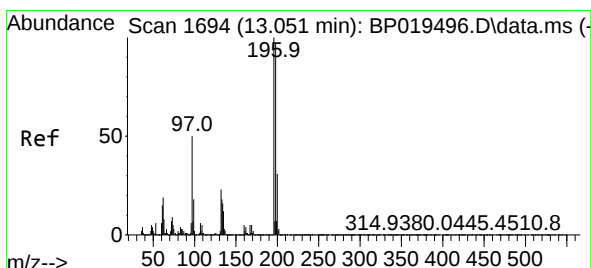
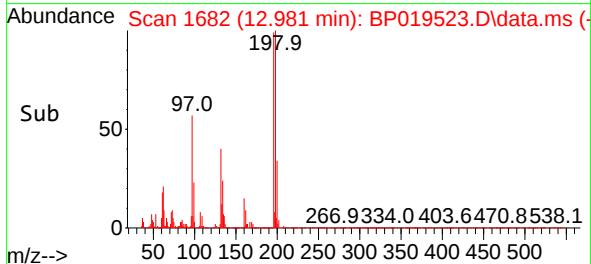
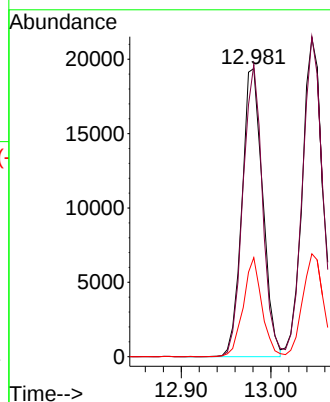
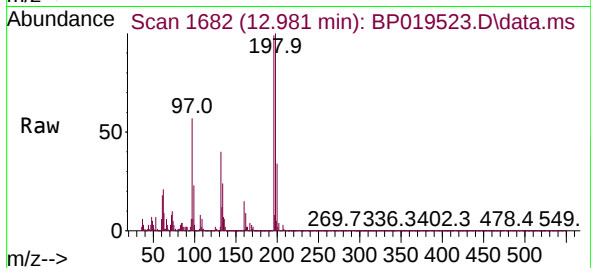
Tgt Ion:196 Resp: 31106

Ion Ratio Lower Upper

196 100

198 101.4 76.7 115.1

200 34.4 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 9.820 ng

RT: 13.046 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Tgt Ion:196 Resp: 34178

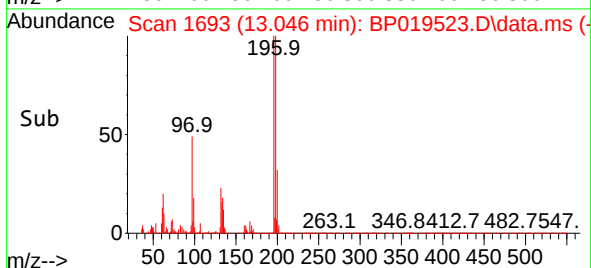
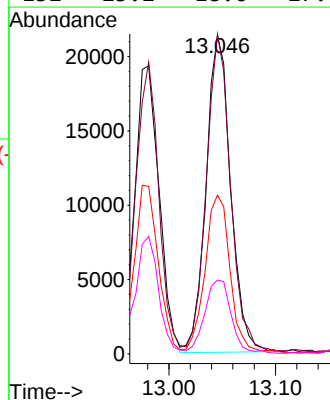
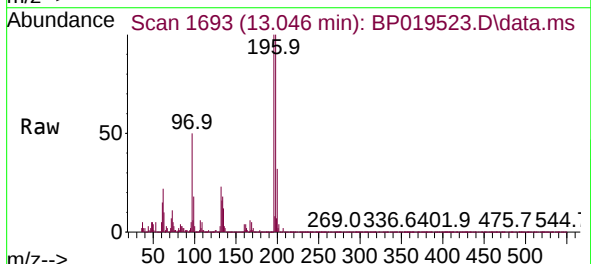
Ion Ratio Lower Upper

196 100

198 100.4 77.5 116.3

97 49.9 39.9 59.9

132 23.2 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 84.409 ng

RT: 13.175 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

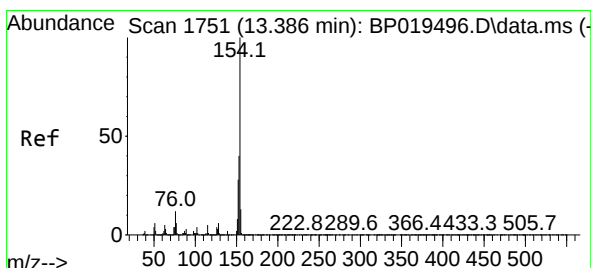
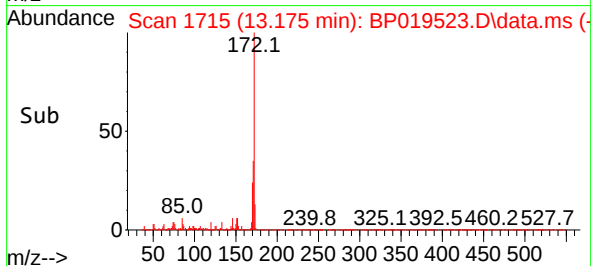
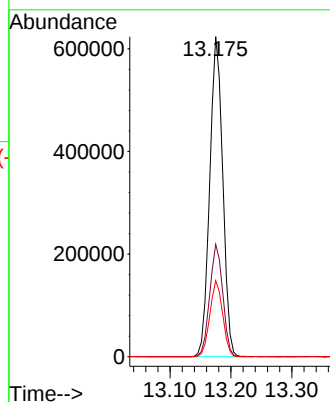
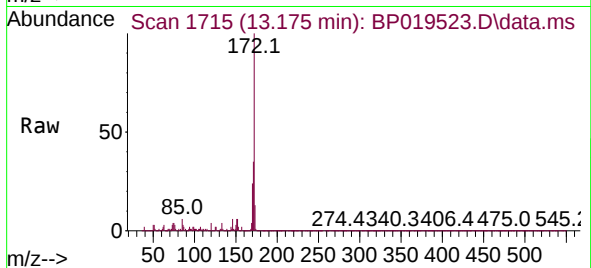
Tgt Ion:172 Resp: 926737

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 10.714 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

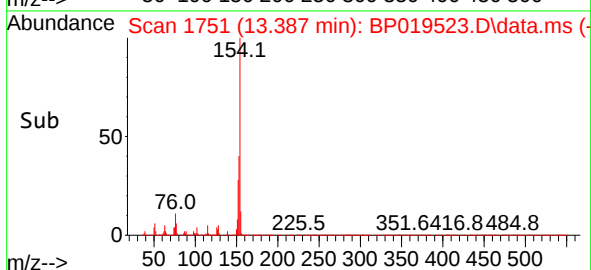
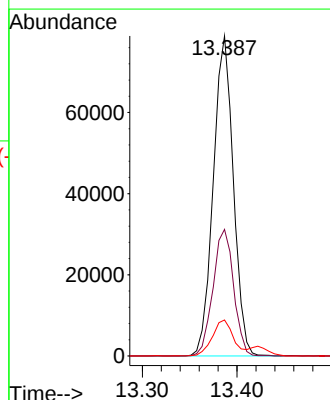
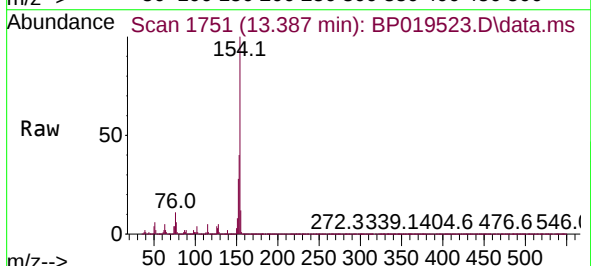
Tgt Ion:154 Resp: 116068

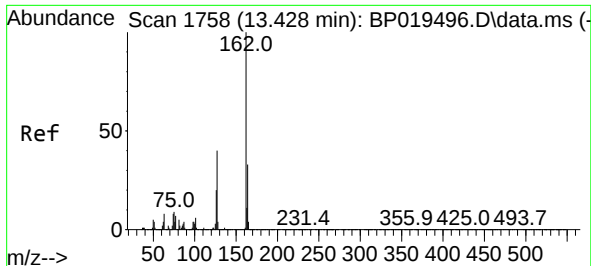
Ion Ratio Lower Upper

154 100

153 39.5 20.2 60.2

76 11.2 0.0 31.6

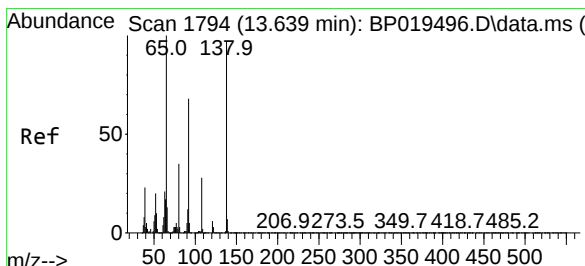
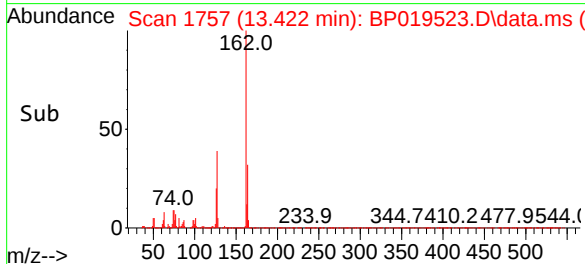
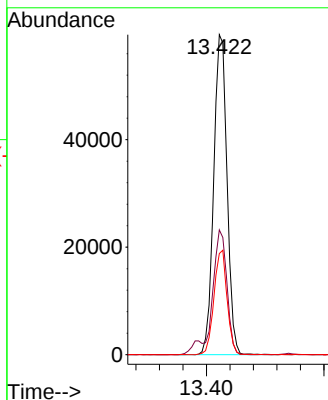
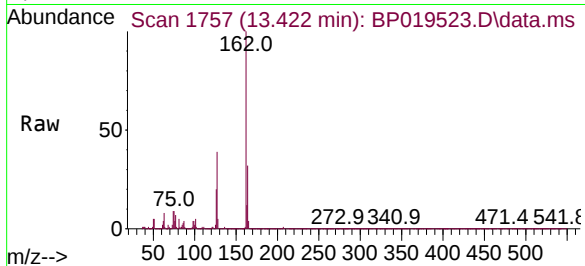




#47
2-Chloronaphthalene
Concen: 10.521 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

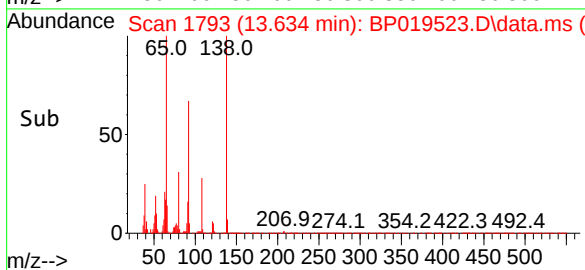
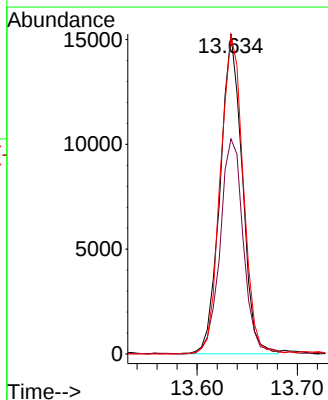
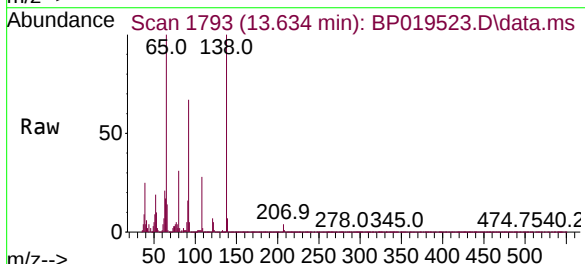
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

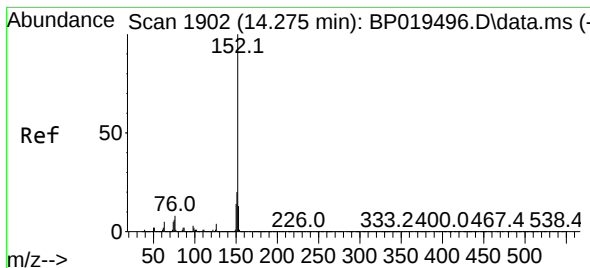
Tgt Ion:	162	Resp:	93560
Ion Ratio	Lower	Upper	
162	100		
127	39.0	32.1	48.1
164	31.6	26.7	40.1



#48
2-Nitroaniline
Concen: 9.391 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	65	Resp:	23350
Ion Ratio	Lower	Upper	
65	100		
92	67.2	54.7	82.1
138	99.7	77.8	116.6





#49

Acenaphthylene

Concen: 11.357 ng

RT: 14.269 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

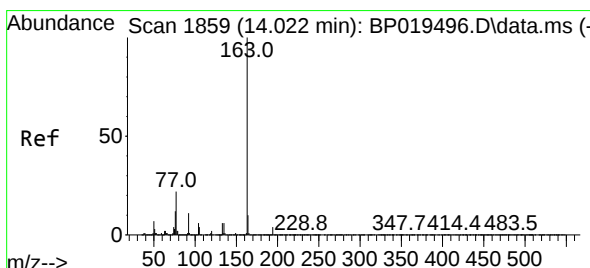
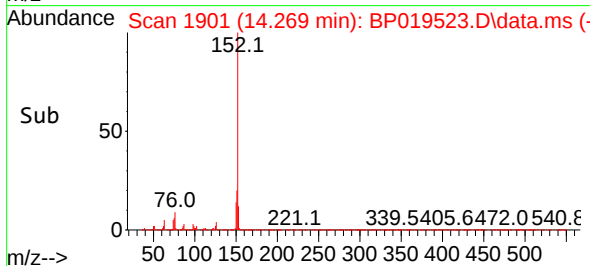
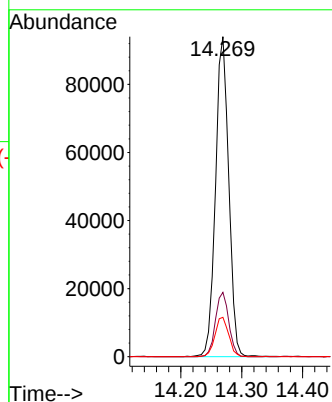
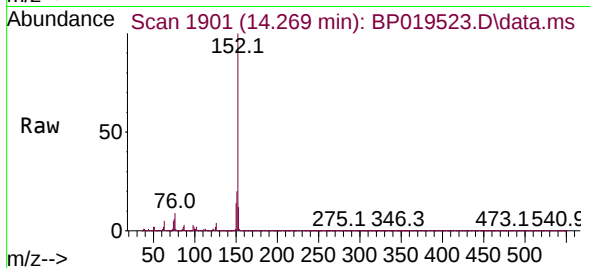
Tgt Ion:152 Resp: 141688

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

153 12.3 10.6 15.8



#50

Dimethylphthalate

Concen: 10.545 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

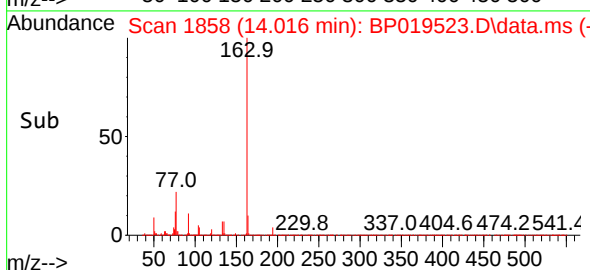
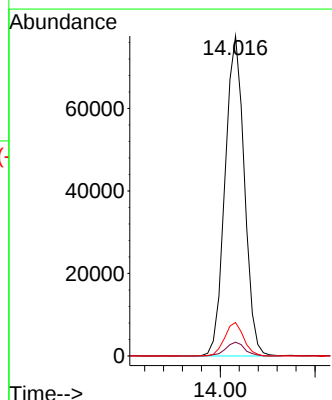
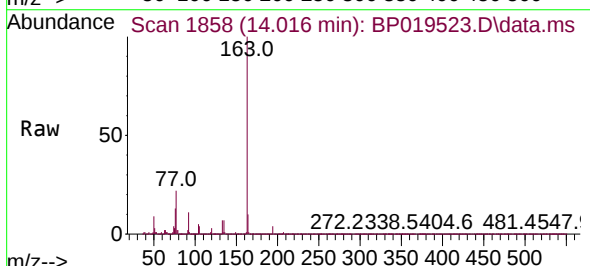
Tgt Ion:163 Resp: 109565

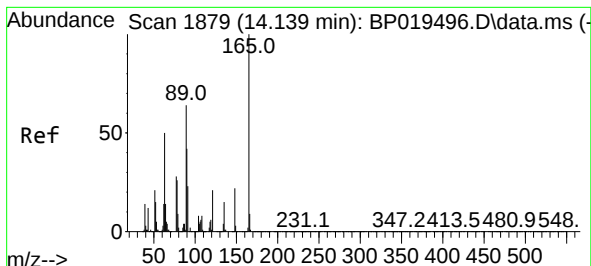
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.4 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 9.724 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

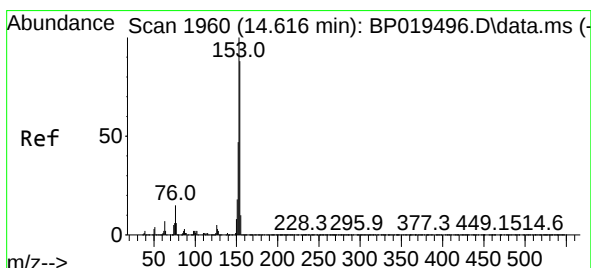
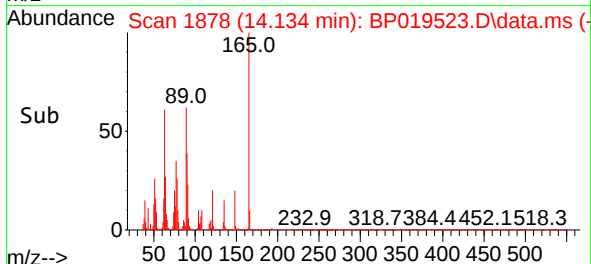
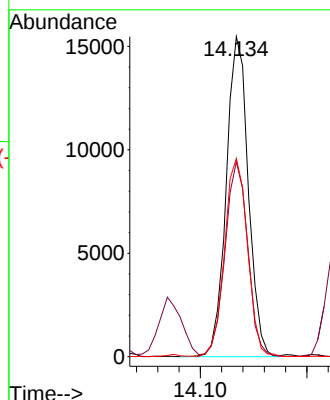
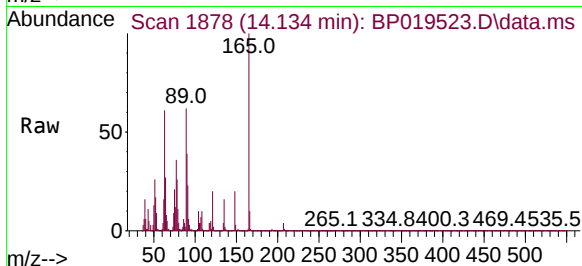
Tgt Ion:165 Resp: 22199

Ion Ratio Lower Upper

165 100

63 60.9 50.4 75.6

89 62.0 51.7 77.5



#52

Acenaphthene

Concen: 10.465 ng

RT: 14.610 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

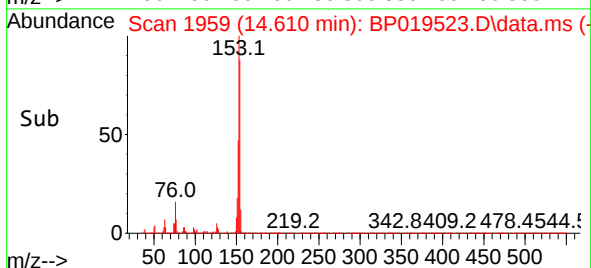
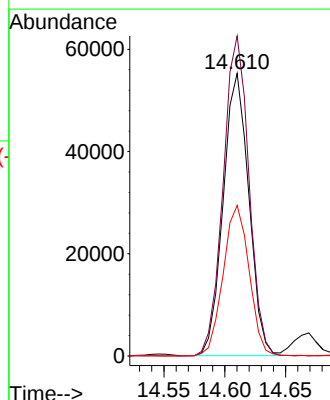
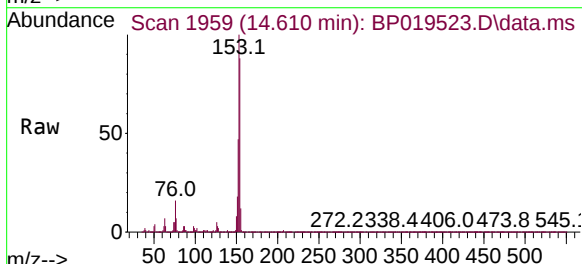
Tgt Ion:154 Resp: 81029

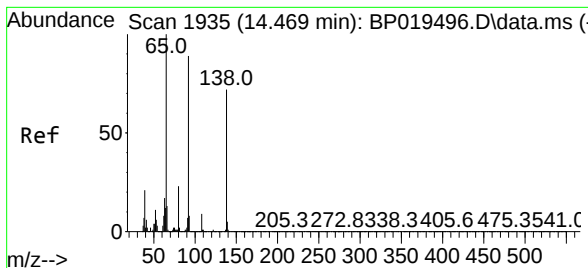
Ion Ratio Lower Upper

154 100

153 113.3 90.5 135.7

152 53.3 42.1 63.1

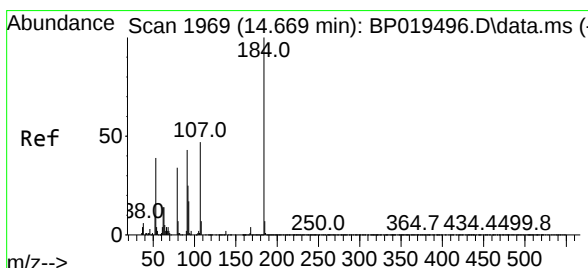
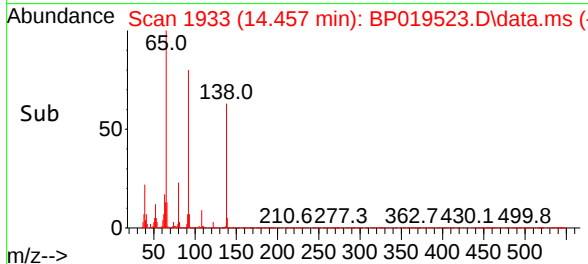
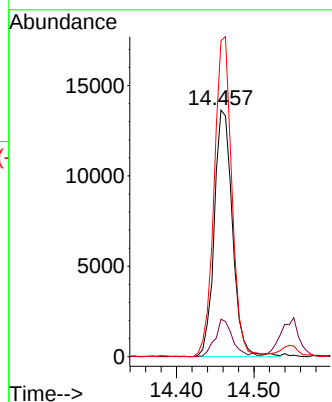
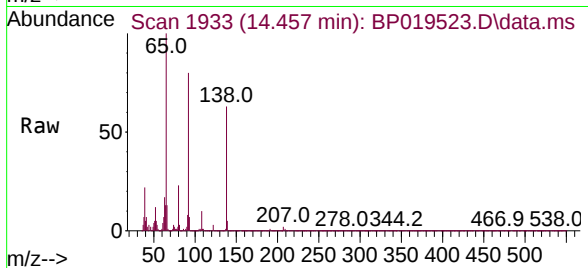




#53
3-Nitroaniline
Concen: 10.556 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

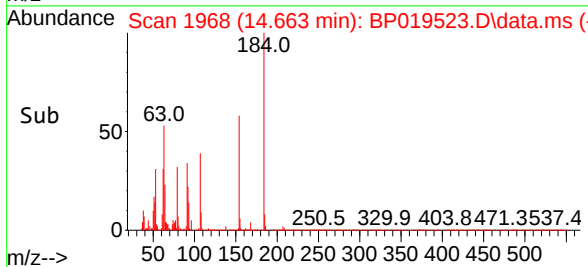
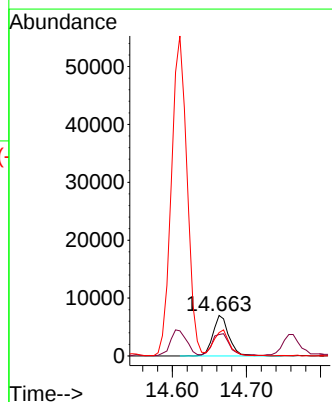
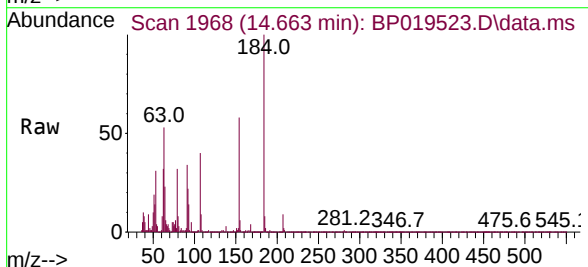
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

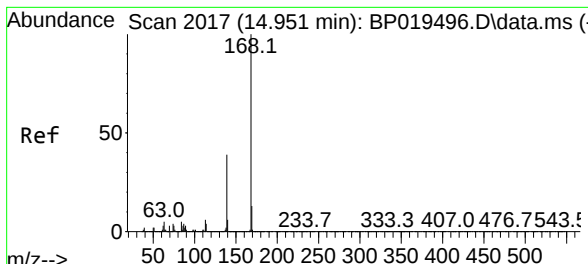
Tgt Ion:138 Resp: 22146
Ion Ratio Lower Upper
138 100
108 15.2 9.7 14.5#
92 128.1 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 8.763 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:184 Resp: 10387
Ion Ratio Lower Upper
184 100
63 53.2 50.5 75.7
154 57.9 53.4 80.0

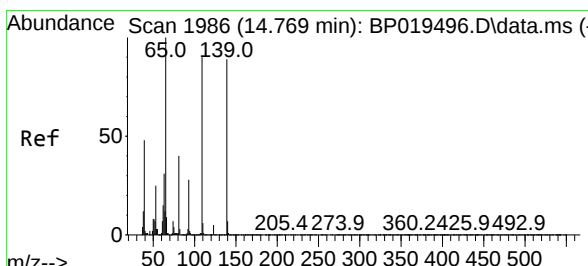
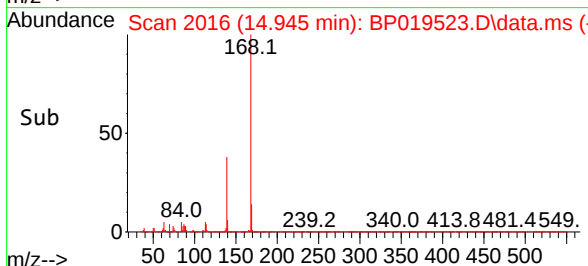
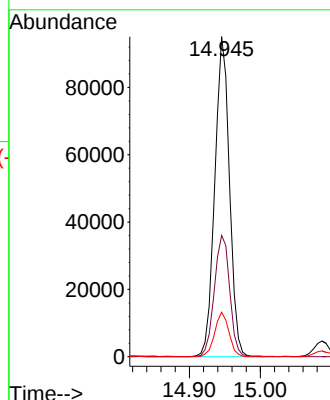
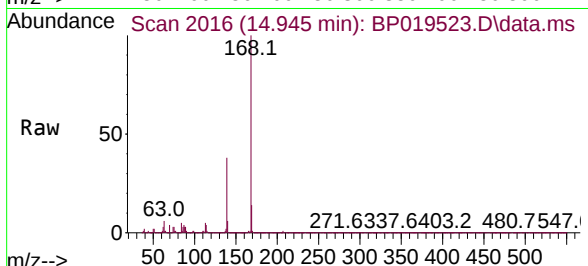




#55
Dibenzofuran
Concen: 10.792 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

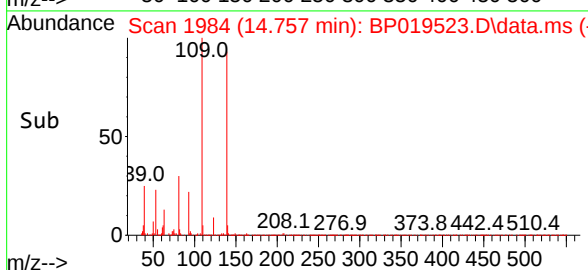
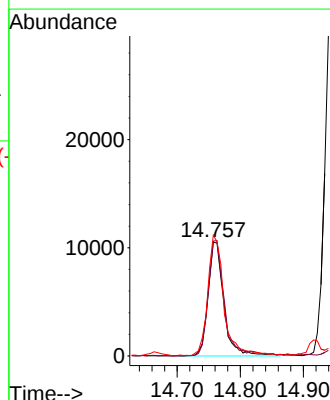
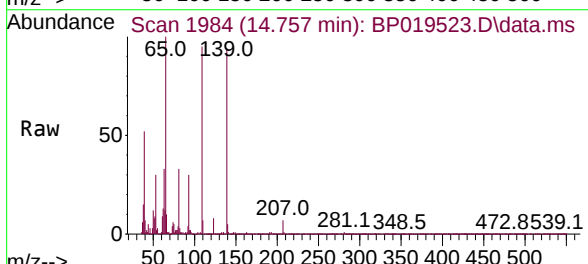
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

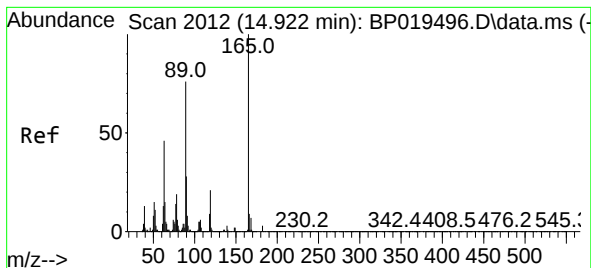
Tgt Ion:168 Resp: 136102
Ion Ratio Lower Upper
168 100
139 37.9 31.5 47.3
169 13.9 10.3 15.5



#56
4-Nitrophenol
Concen: 10.610 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:139 Resp: 18245
Ion Ratio Lower Upper
139 100
109 100.9 82.0 122.0
65 106.2 92.9 132.9

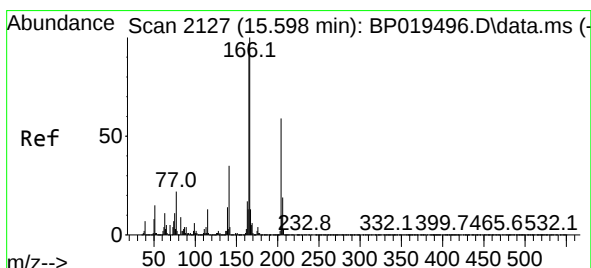
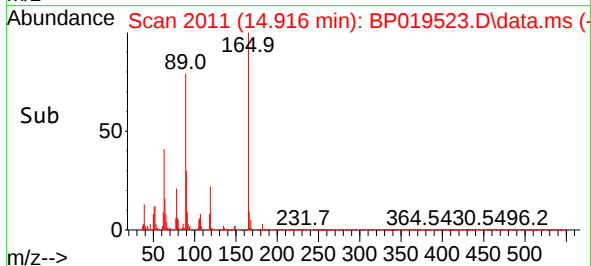
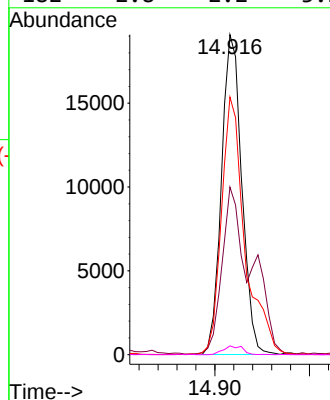
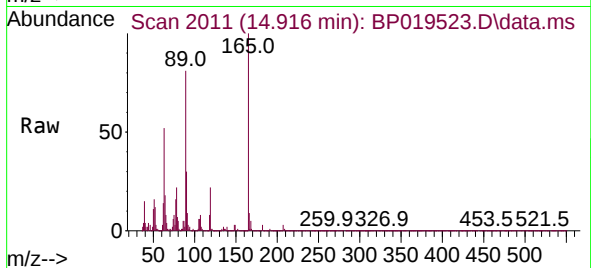




#57
2,4-Dinitrotoluene
Concen: 9.511 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

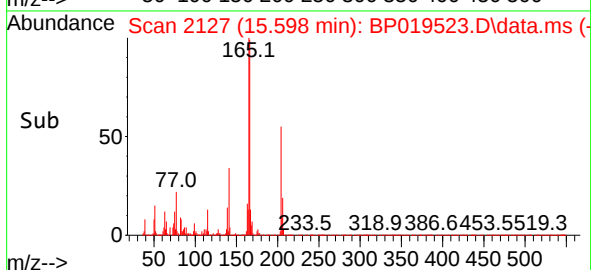
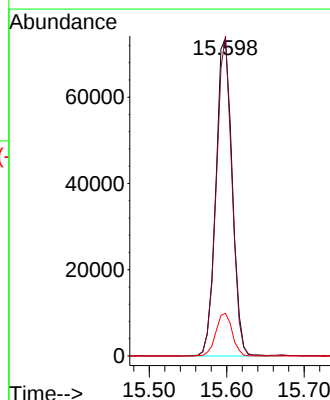
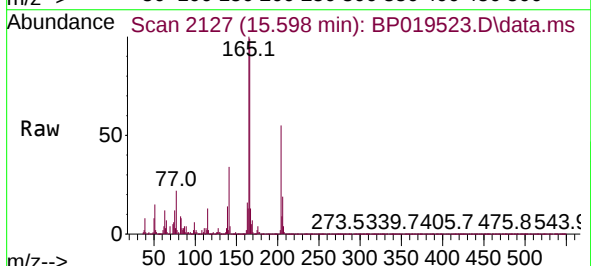
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

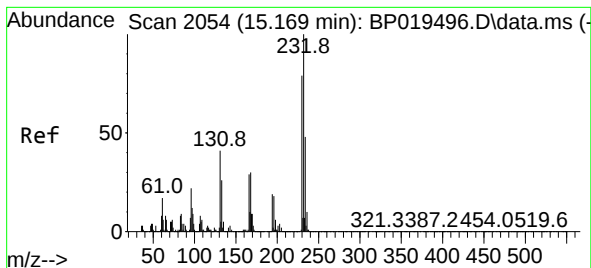
Tgt Ion:	165	Resp:	28453
Ion Ratio	Lower	Upper	
165	100		
63	52.4	36.9	55.3
89	80.5	61.1	91.7
182	2.8	2.2	3.2



#58
Fluorene
Concen: 10.723 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	166	Resp:	107706
Ion Ratio	Lower	Upper	
166	100		
165	100.9	77.8	116.8
167	13.4	10.7	16.1

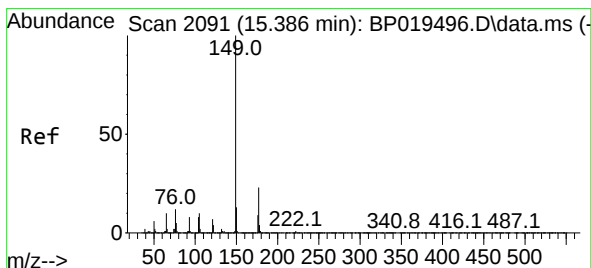
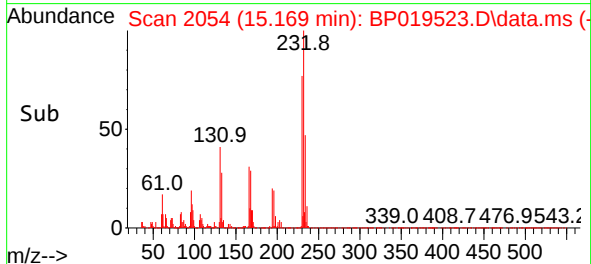
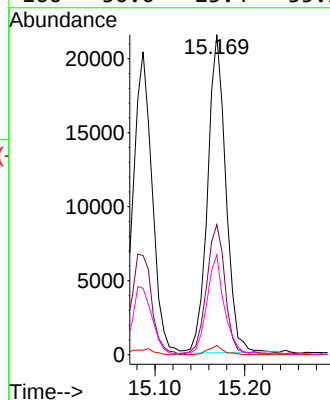
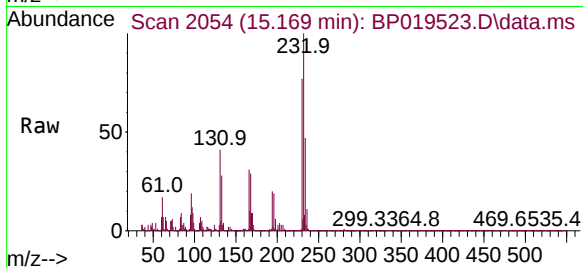




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.303 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

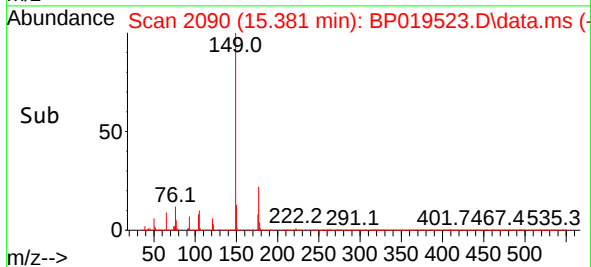
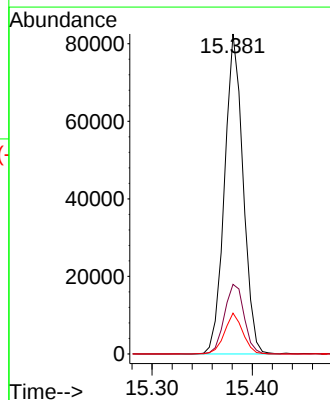
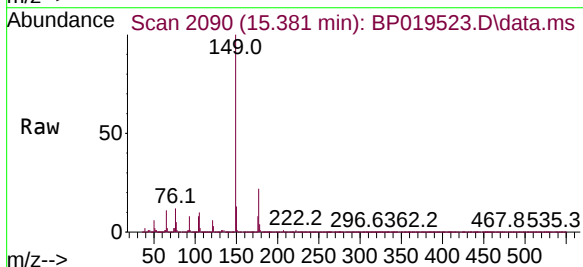
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	232	Resp:	30163
Ion	Ratio	Lower	Upper
232	100		
131	42.1	32.4	48.6
130	2.5	1.9	2.9
166	30.0	23.4	35.2



#60
Diethylphthalate
Concen: 10.242 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	149	Resp:	105849
Ion	Ratio	Lower	Upper
149	100		
177	21.7	18.2	27.2
150	12.7	10.2	15.4

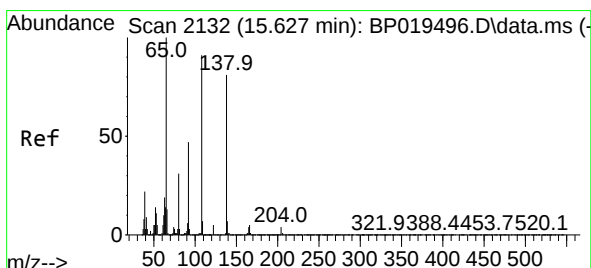
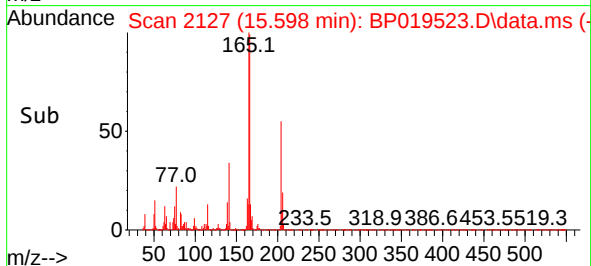
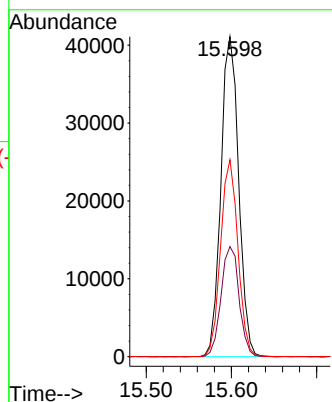
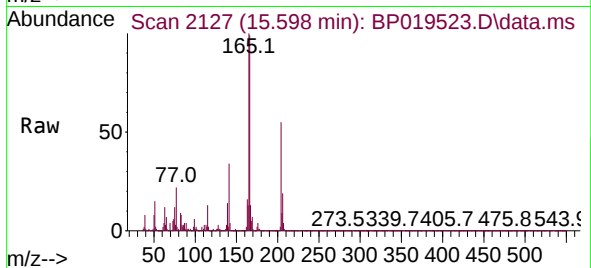




#61
4-Chlorophenyl-phenylether
Concen: 10.549 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

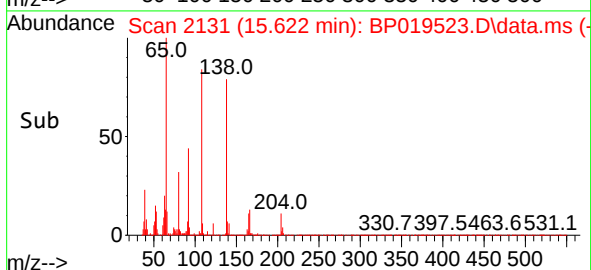
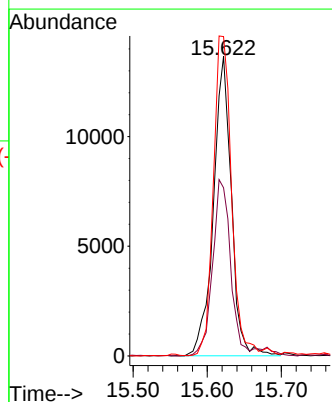
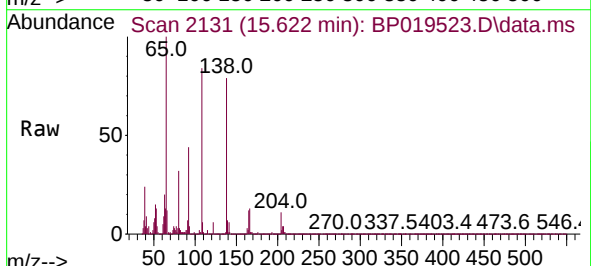
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

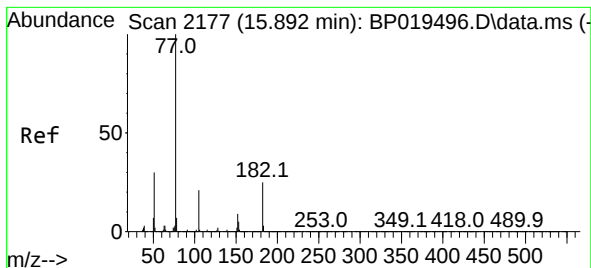
Tgt Ion:	204	Resp:	59553
Ion	Ratio	Lower	Upper
204	100		
206	34.4	26.5	39.7
141	61.6	48.5	72.7



#62
4-Nitroaniline
Concen: 10.500 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	138	Resp:	23090
Ion	Ratio	Lower	Upper
138	100		
92	56.1	38.3	78.3
108	106.6	91.2	131.2





#63

Azobenzene

Concen: 10.417 ng

RT: 15.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 77 Resp: 104109

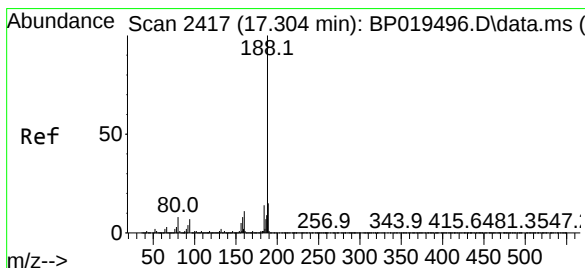
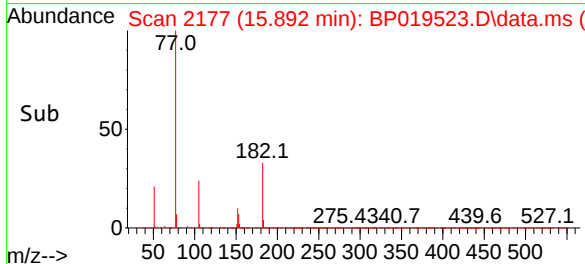
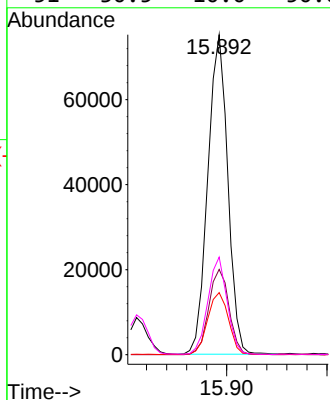
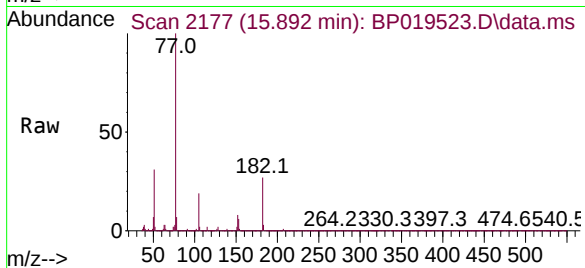
Ion Ratio Lower Upper

77 100

182 26.6 5.1 45.1

105 19.4 0.8 40.8

51 30.5 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

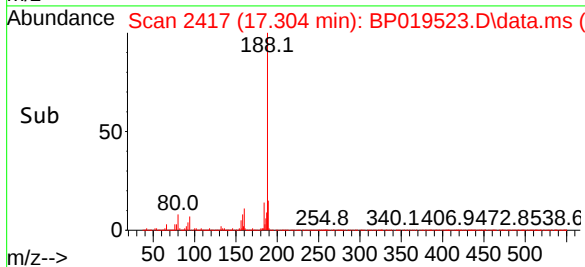
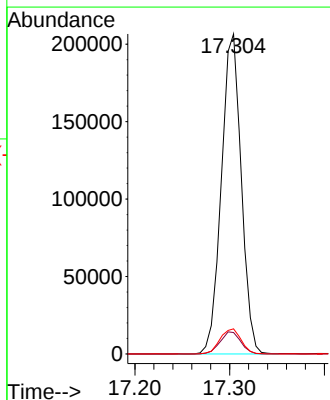
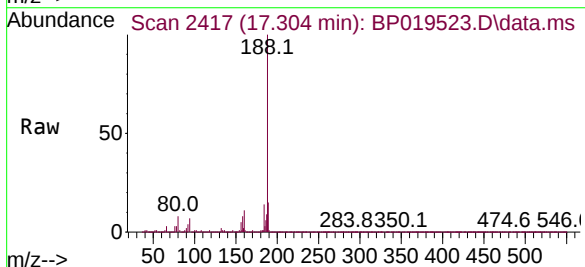
Tgt Ion: 188 Resp: 301754

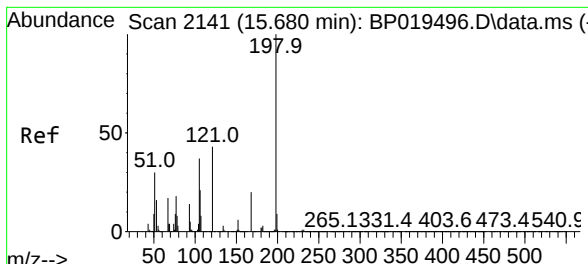
Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.8 6.3 9.5

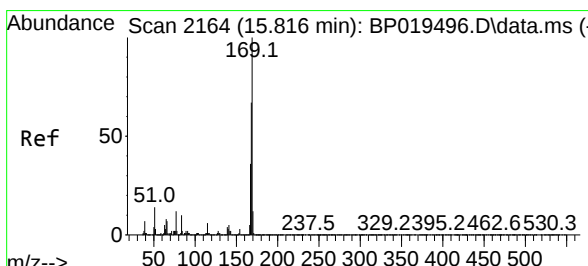
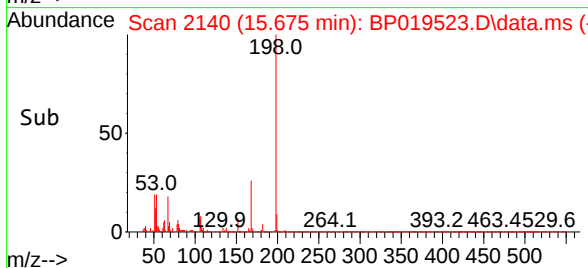
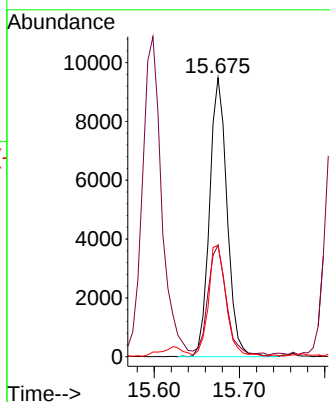
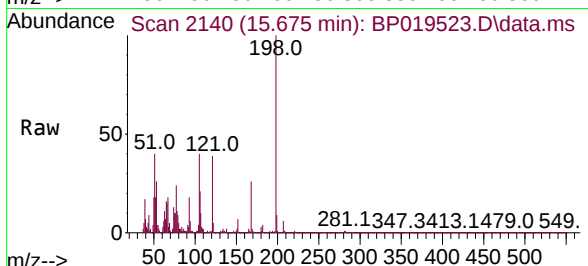




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.888 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019523.D
 Acq: 02 Feb 2024 12:08

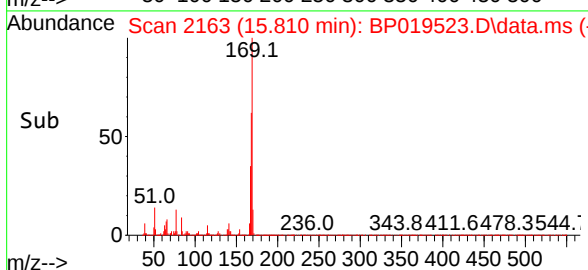
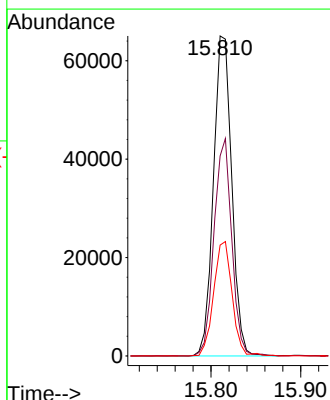
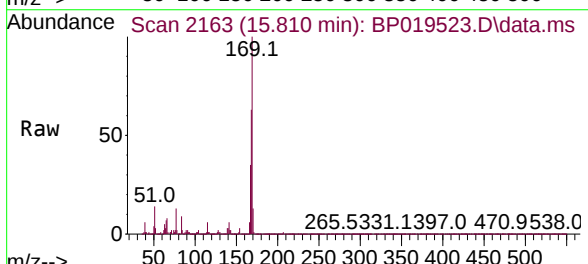
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

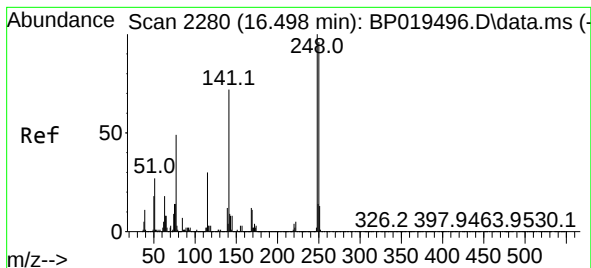
Tgt Ion:	198	Resp:	13573
Ion	Ratio	Lower	Upper
198	100		
51	40.0	21.2	61.2
105	39.9	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 10.190 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019523.D
 Acq: 02 Feb 2024 12:08

Tgt Ion:	169	Resp:	92093
Ion	Ratio	Lower	Upper
169	100		
168	62.5	53.4	80.2
167	34.6	28.9	43.3

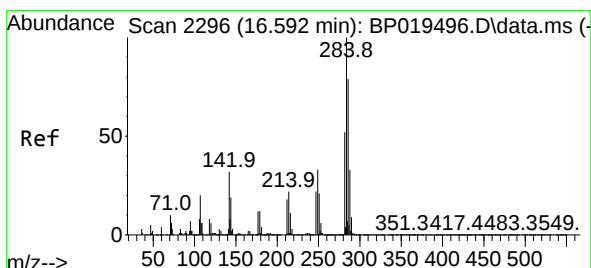
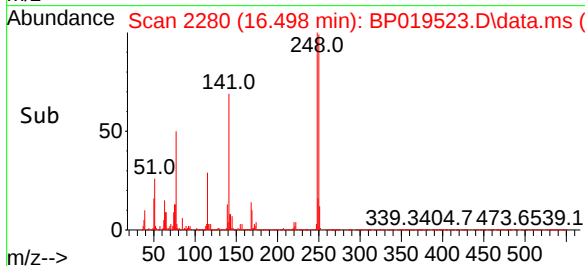
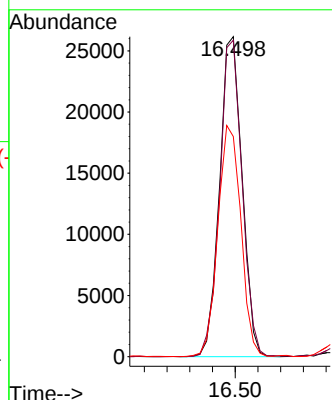
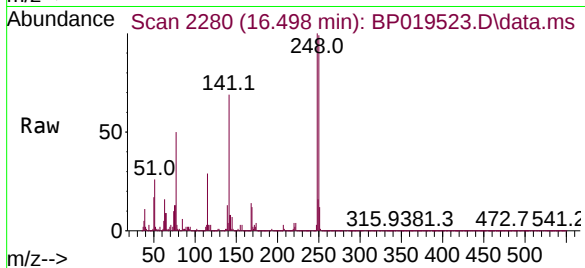




#67
4-Bromophenyl-phenylether
Concen: 9.562 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

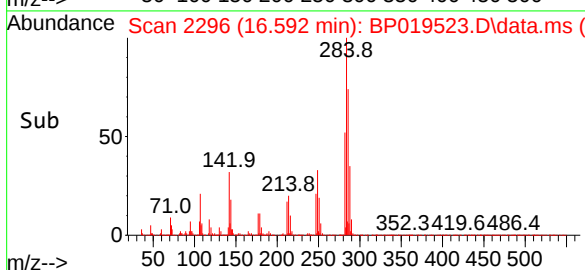
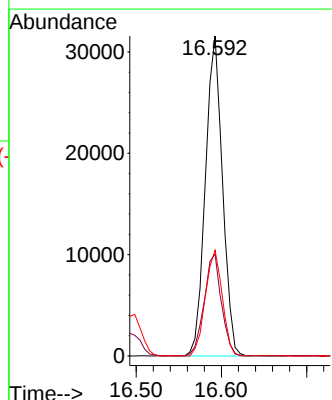
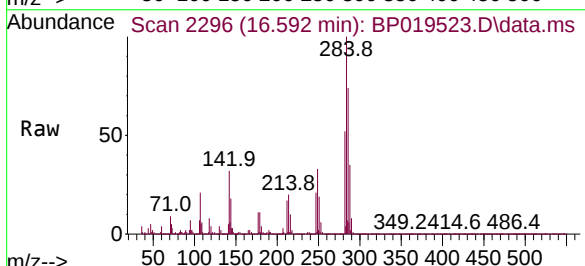
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

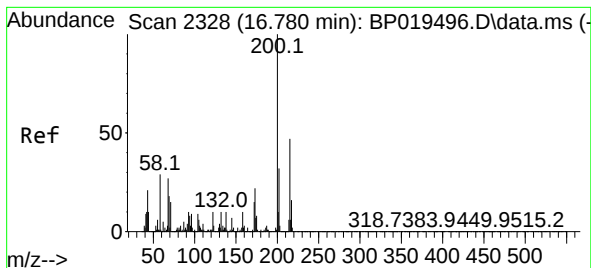
Tgt Ion:	248	Resp:	36071
Ion Ratio	Lower	Upper	
248	100		
250	98.9	76.9	115.3
141	68.8	58.0	87.0



#68
Hexachlorobenzene
Concen: 9.982 ng
RT: 16.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BP019523.D
Acq: 02 Feb 2024 12:08

Tgt Ion:	284	Resp:	43972
Ion Ratio	Lower	Upper	
284	100		
142	31.8	25.4	38.2
249	33.0	26.5	39.7





#69

Atrazine

Concen: 12.449 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

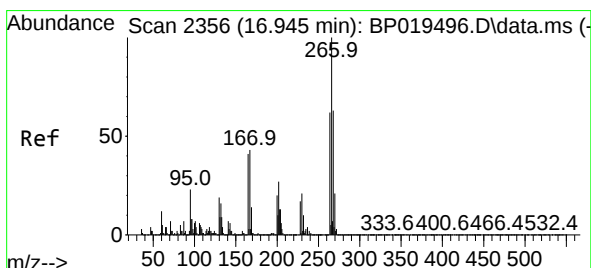
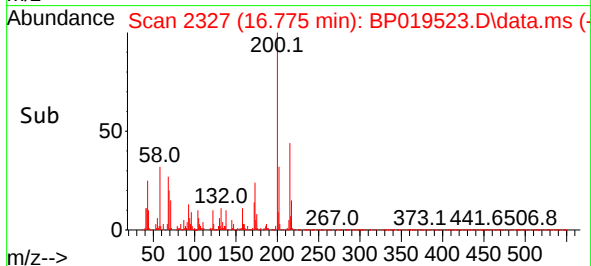
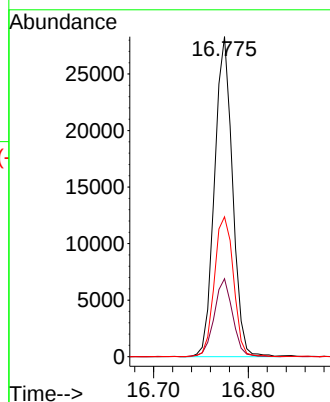
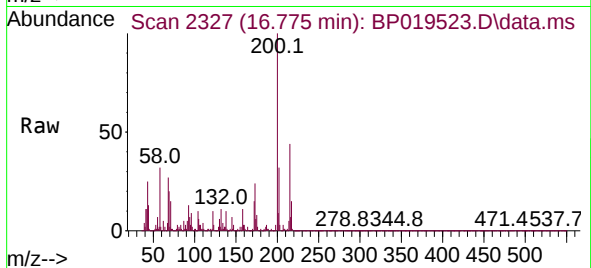
Tgt Ion:200 Resp: 37332

Ion Ratio Lower Upper

200 100

173 24.4 1.7 41.7

215 43.7 26.9 66.9



#70

Pentachlorophenol

Concen: 8.778 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

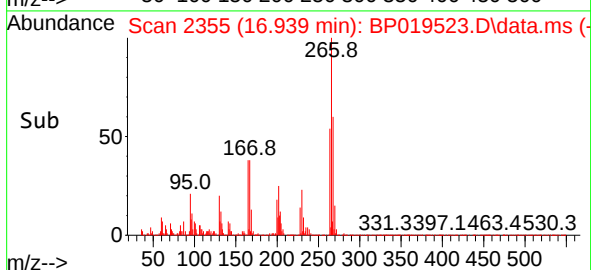
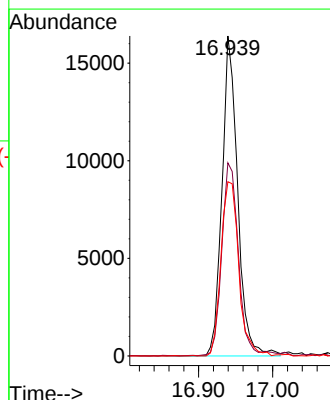
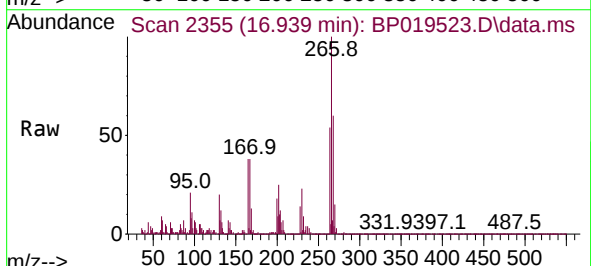
Tgt Ion:266 Resp: 24080

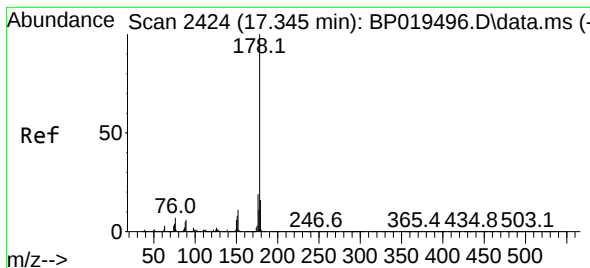
Ion Ratio Lower Upper

266 100

268 60.3 50.3 75.5

264 54.4 49.7 74.5





#71

Phenanthrene

Concen: 10.868 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

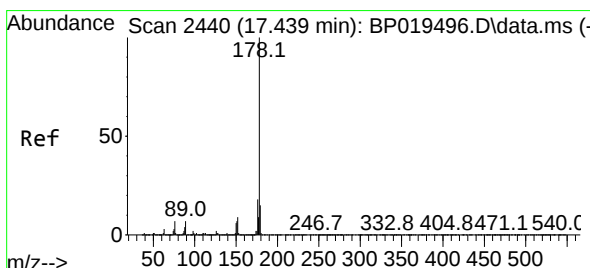
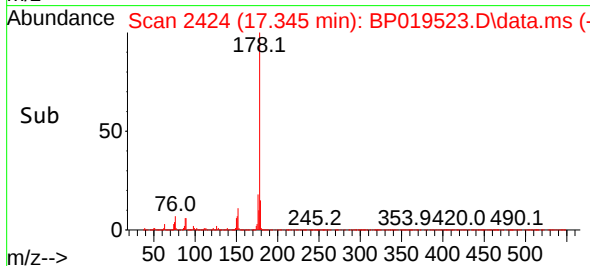
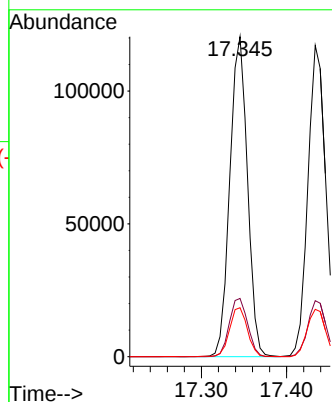
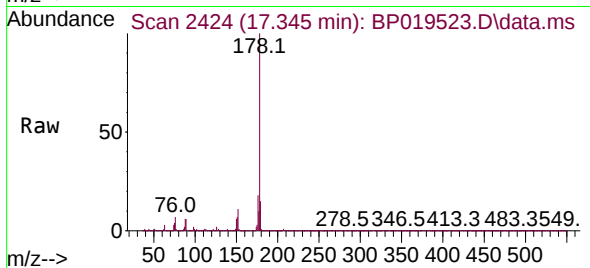
Tgt Ion:178 Resp: 172588

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

179 15.3 12.6 19.0



#72

Anthracene

Concen: 10.724 ng

RT: 17.434 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

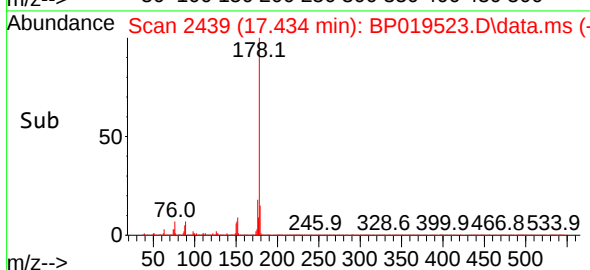
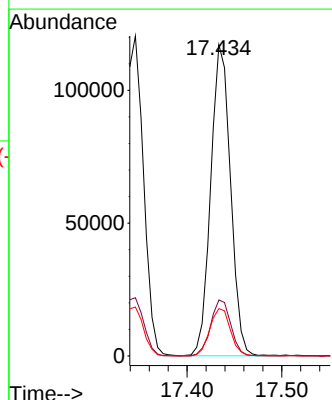
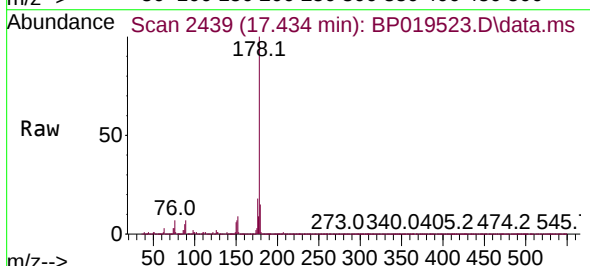
Tgt Ion:178 Resp: 169884

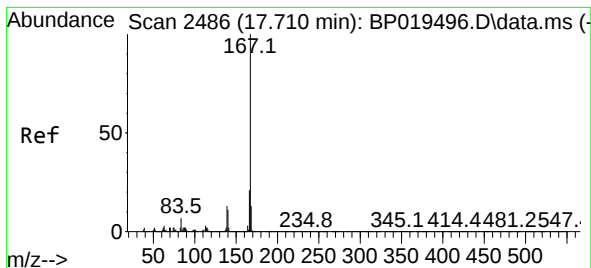
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 15.2 12.2 18.2





#73

Carbazole

Concen: 10.802 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

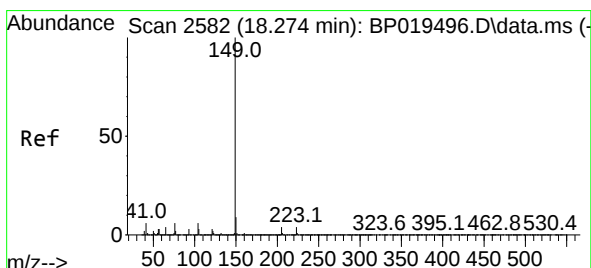
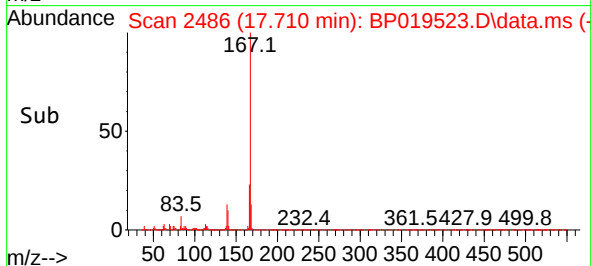
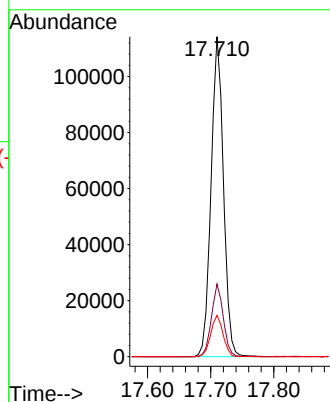
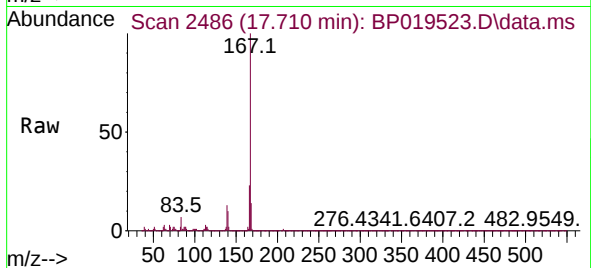
Tgt Ion:167 Resp: 155449

Ion Ratio Lower Upper

167 100

166 22.7 17.2 25.8

139 12.9 10.6 15.8



#74

Di-n-butylphthalate

Concen: 10.519 ng

RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

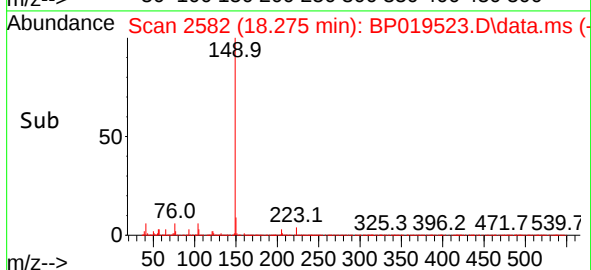
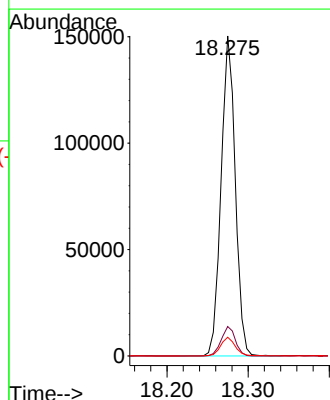
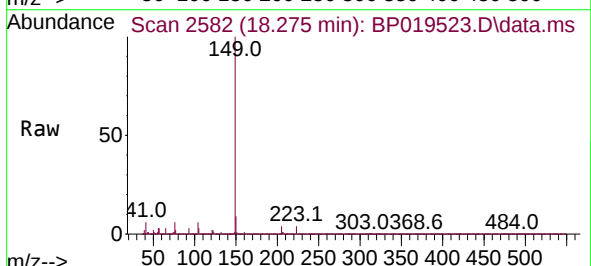
Tgt Ion:149 Resp: 183035

Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.9 4.8 7.2

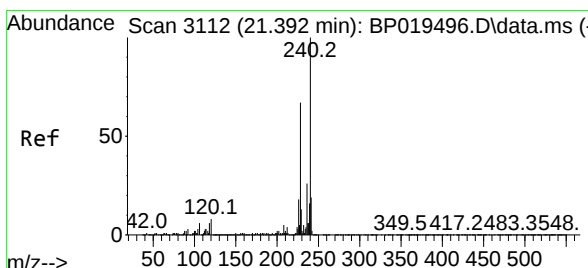
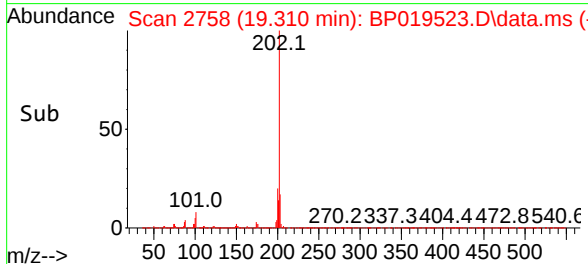
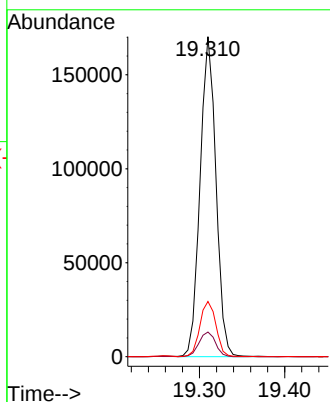
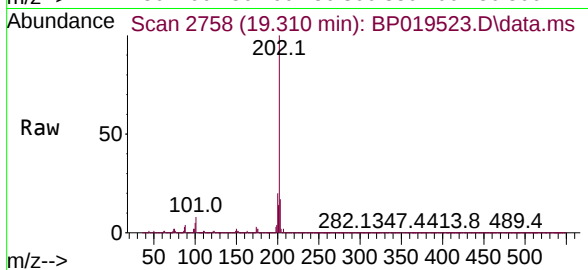




#75
 Fluoranthene
 Concen: 11.361 ng
 RT: 19.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019523.D
 Acq: 02 Feb 2024 12:08

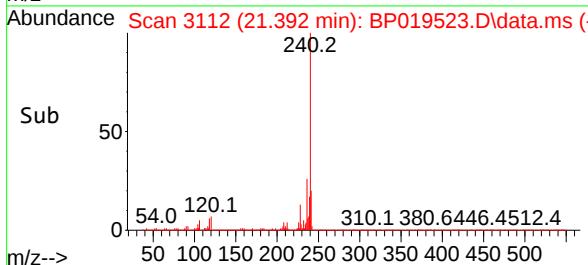
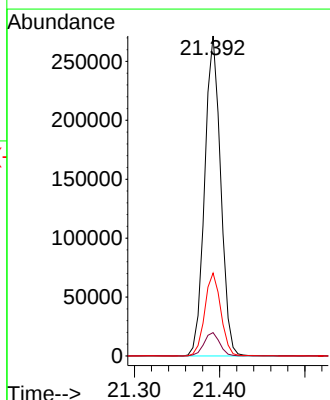
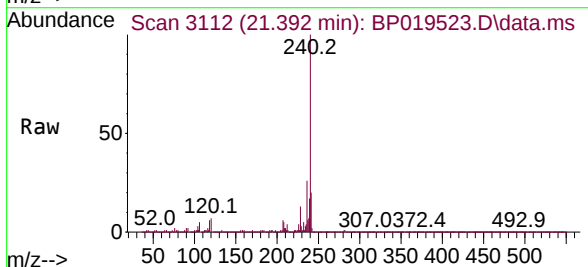
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

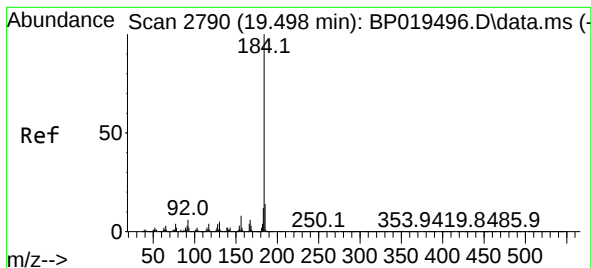
Tgt Ion:	202	Resp:	220403
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.7
203	17.2	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019523.D
 Acq: 02 Feb 2024 12:08

Tgt Ion:	240	Resp:	353754
Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.1	9.1
236	25.9	20.7	31.1





#77

Benzidine

Concen: 17.006 ng

RT: 19.498 min Scan# 2790

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

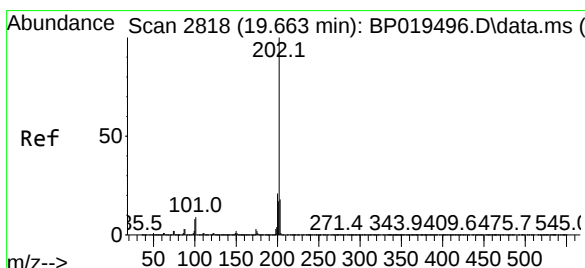
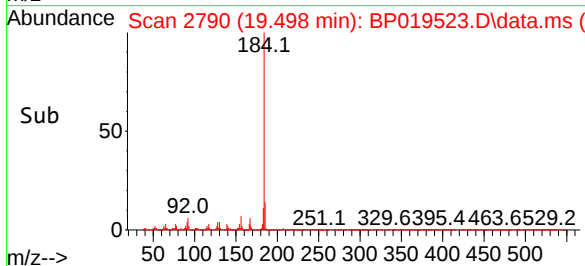
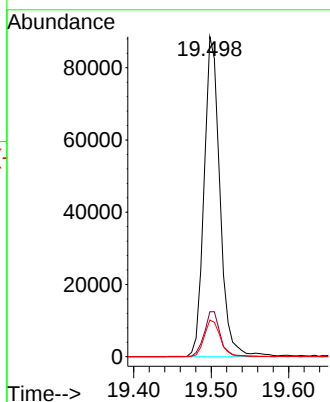
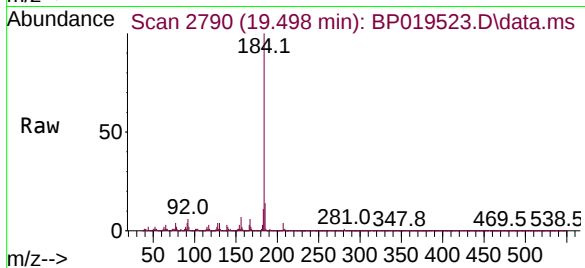
Tgt Ion:184 Resp: 125770

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

183 11.5 9.7 14.5



#78

Pyrene

Concen: 9.229 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

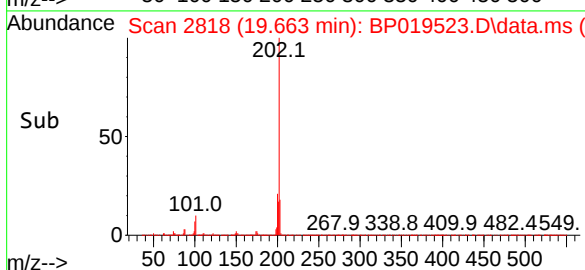
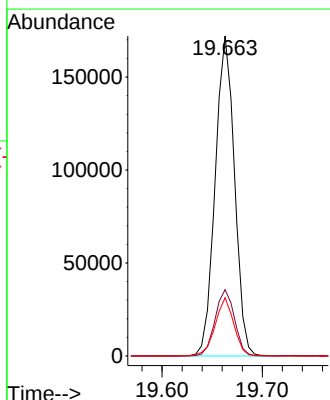
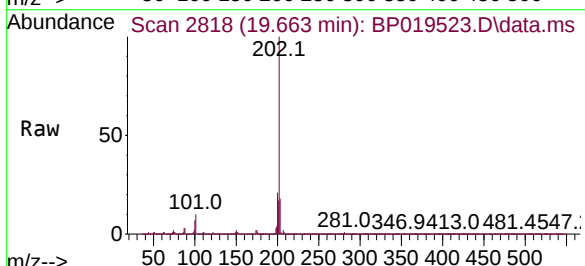
Tgt Ion:202 Resp: 230406

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 77.407 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

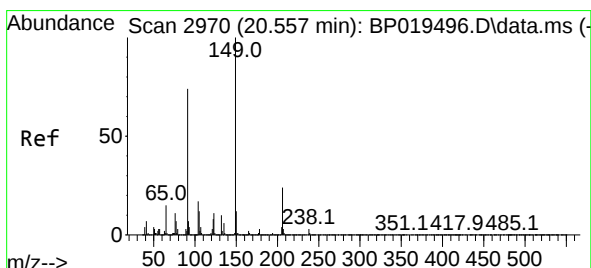
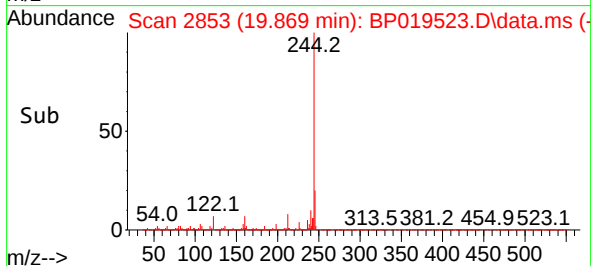
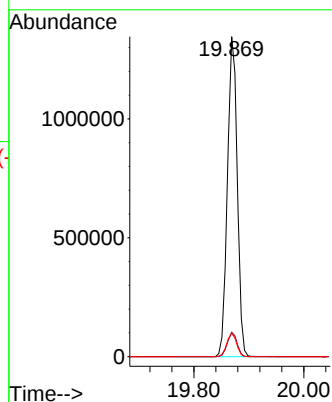
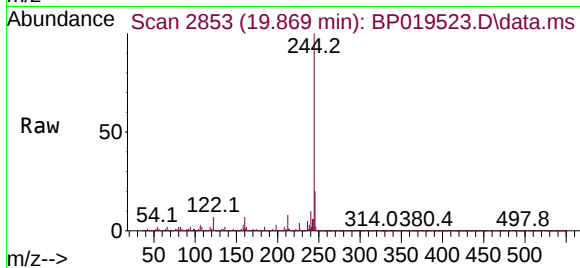
Tgt Ion:244 Resp: 1665079

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.4 5.9 8.9



#80

Butylbenzylphthalate

Concen: 9.177 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

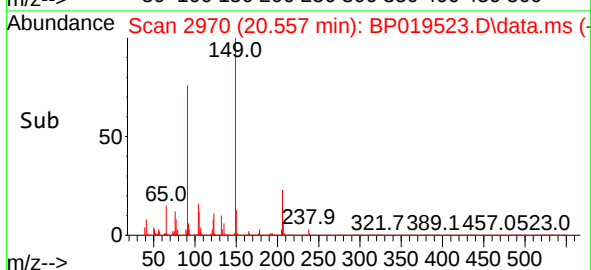
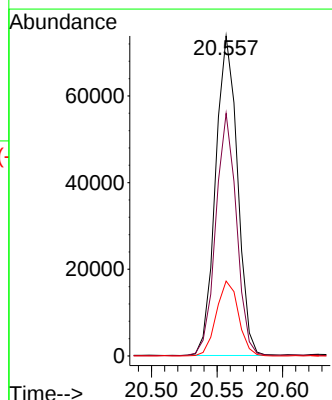
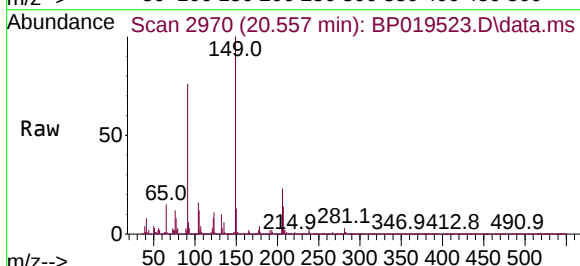
Tgt Ion:149 Resp: 85561

Ion Ratio Lower Upper

149 100

91 75.8 59.4 89.0

206 23.4 19.0 28.6





#81

Benzo(a)anthracene

Concen: 10.546 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

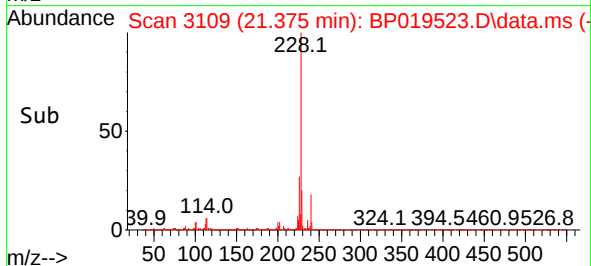
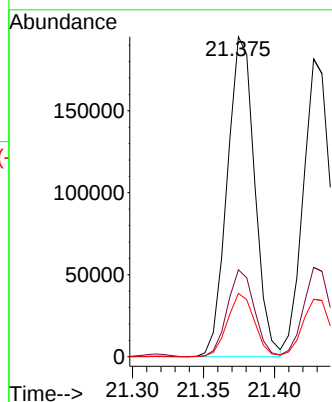
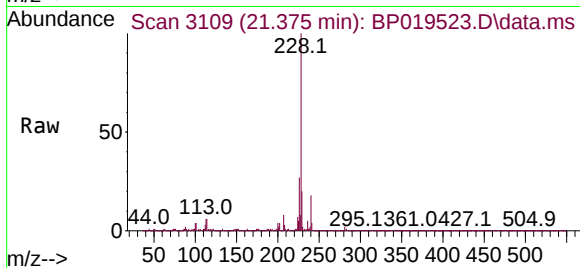
Tgt Ion:228 Resp: 262601

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 19.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 11.254 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

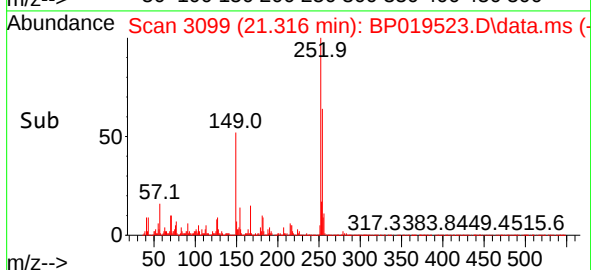
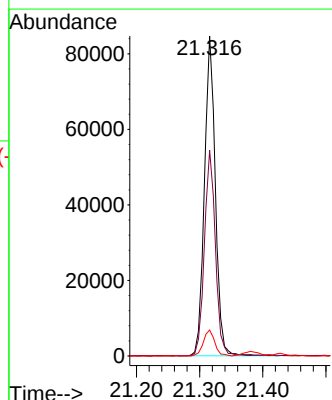
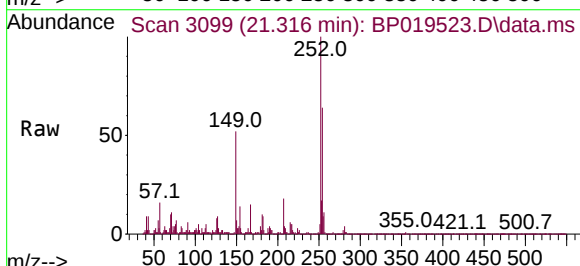
Tgt Ion:252 Resp: 102118

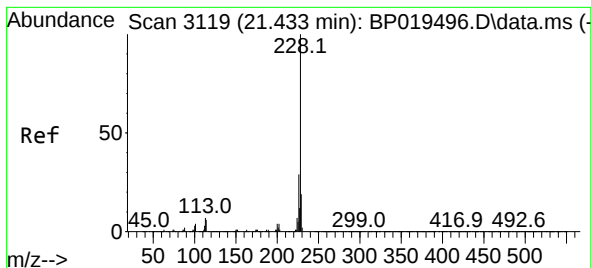
Ion Ratio Lower Upper

252 100

254 64.2 50.7 76.1

126 8.1 6.4 9.6





#83

Chrysene

Concen: 10.266 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

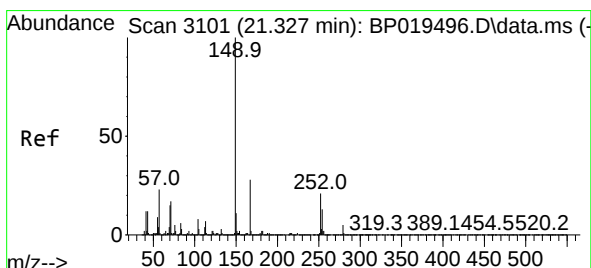
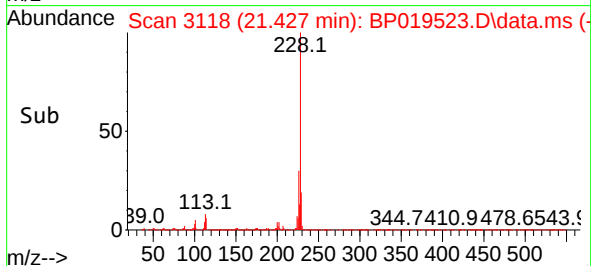
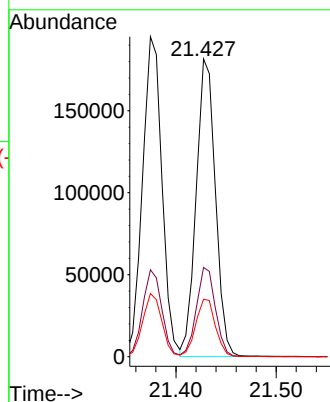
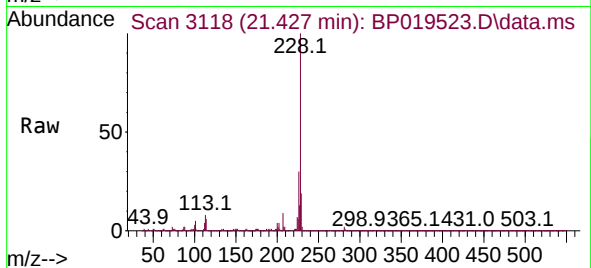
Tgt Ion:228 Resp: 242699

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.678 ng

RT: 21.327 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

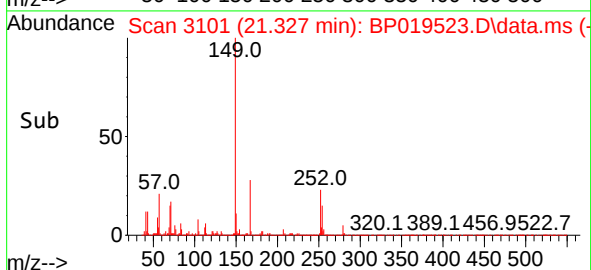
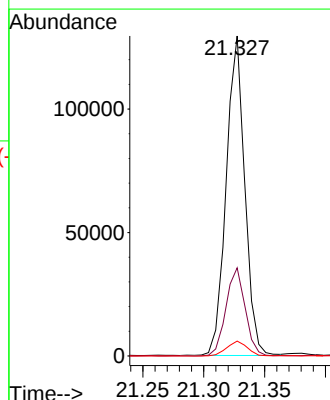
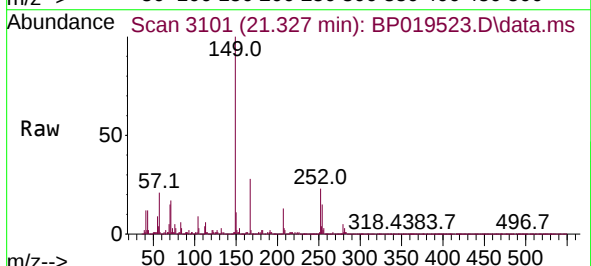
Tgt Ion:149 Resp: 137409

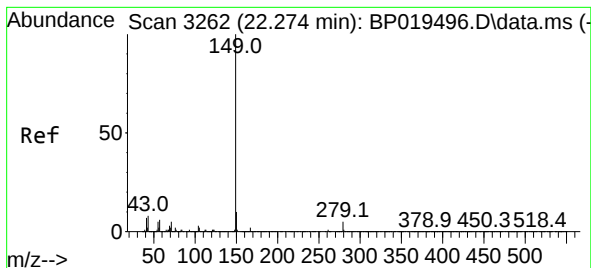
Ion Ratio Lower Upper

149 100

167 27.5 22.7 34.1

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 9.723 ng

RT: 22.274 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

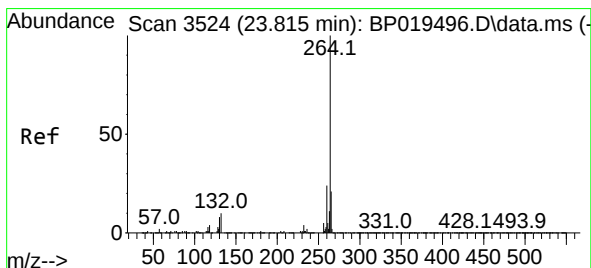
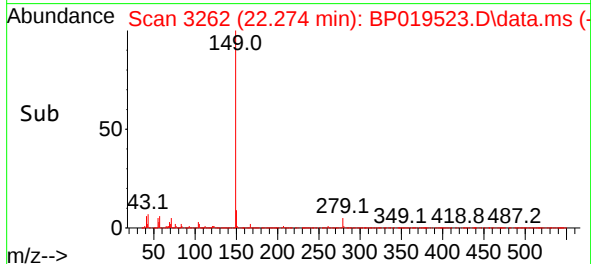
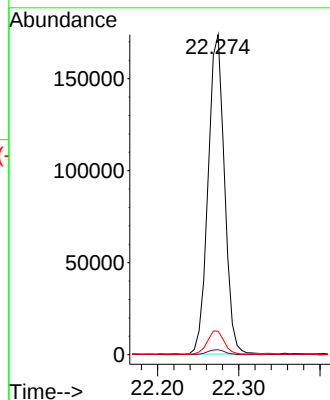
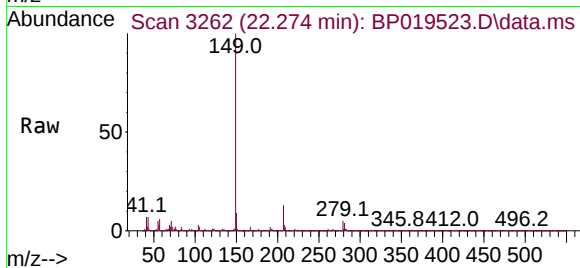
Tgt Ion:149 Resp: 242873

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.6 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.816 min Scan# 3524

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

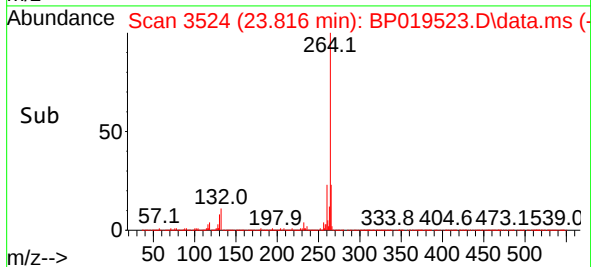
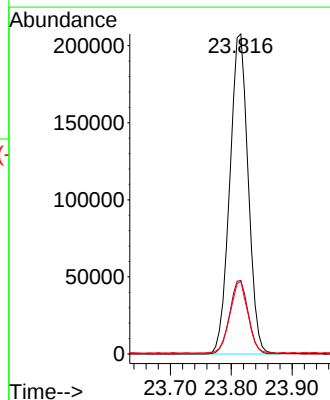
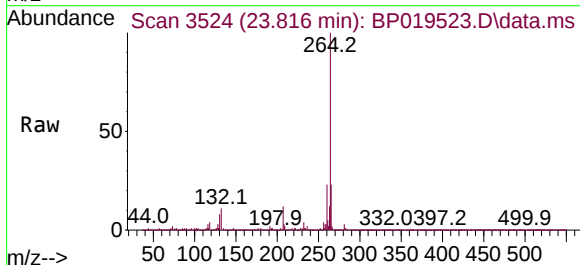
Tgt Ion:264 Resp: 435067

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.172 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.011 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

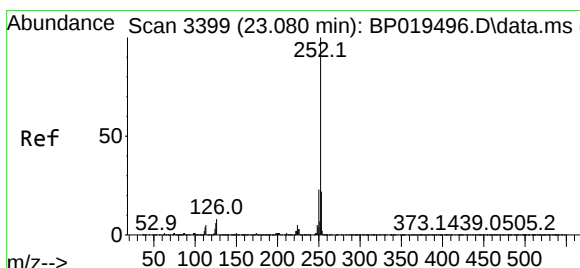
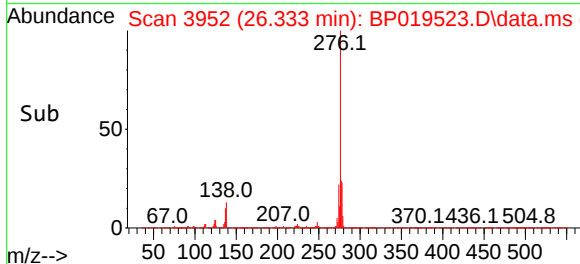
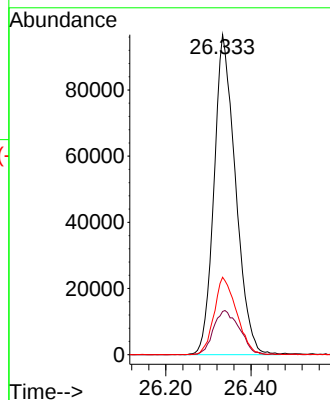
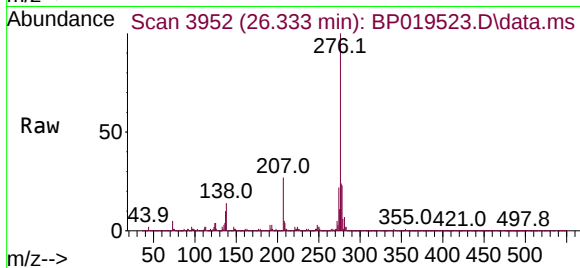
Tgt Ion:276 Resp: 338753

Ion Ratio Lower Upper

276 100

138 16.7 13.1 19.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.236 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

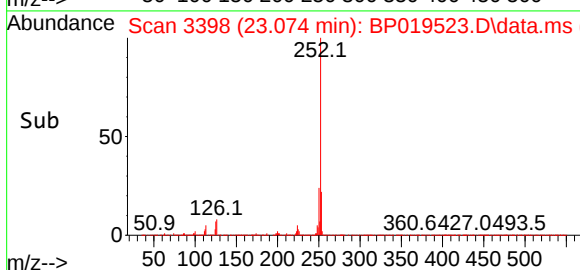
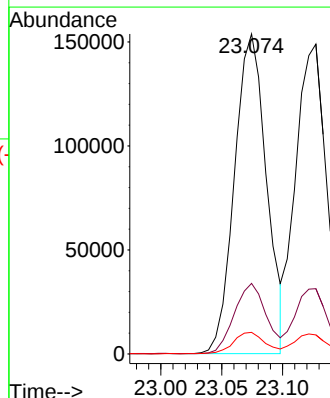
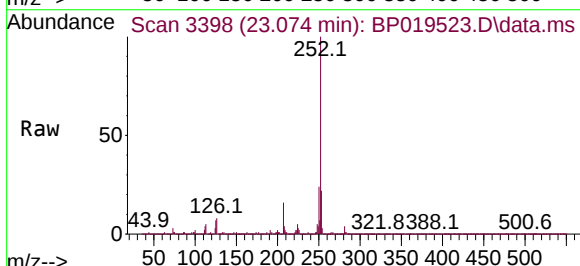
Tgt Ion:252 Resp: 280680

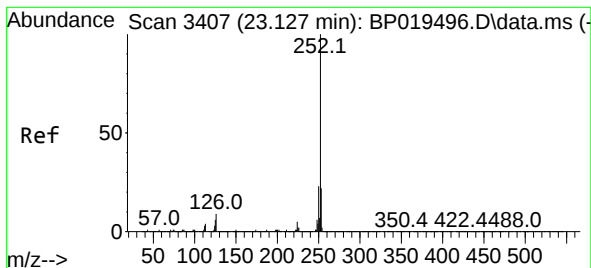
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 6.8 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 10.142 ng

RT: 23.127 min Scan# 34

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

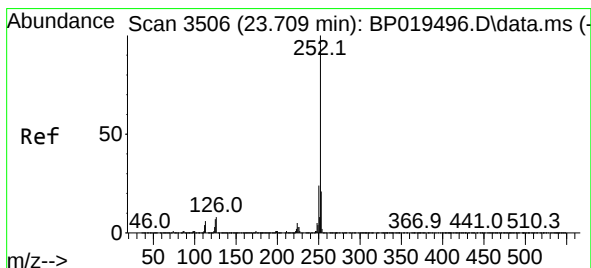
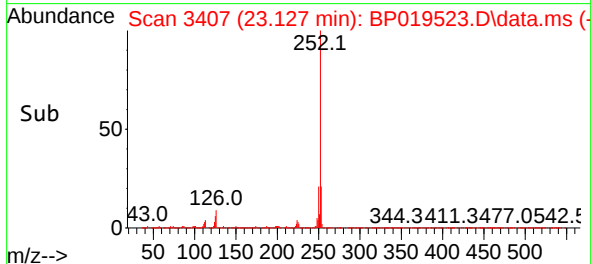
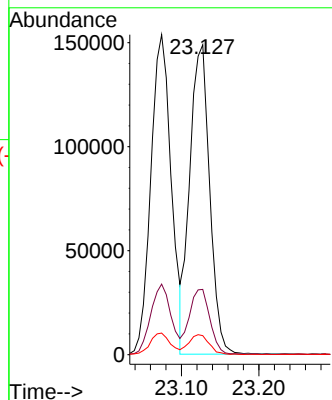
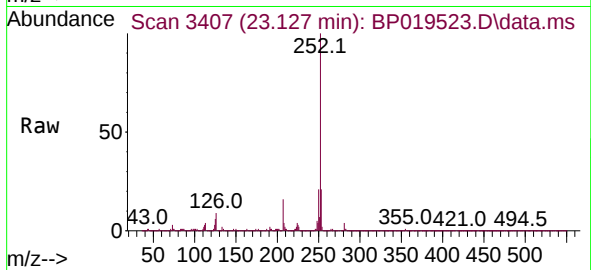
Tgt Ion:252 Resp: 265654

Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 6.1 5.0 7.6



#90

Benzo(a)pyrene

Concen: 10.030 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

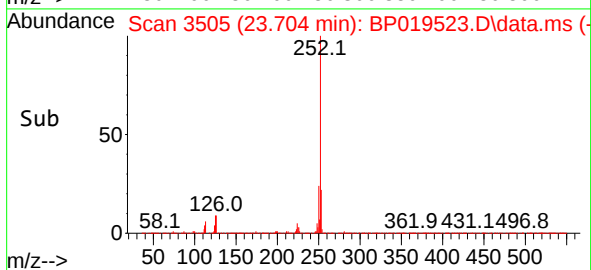
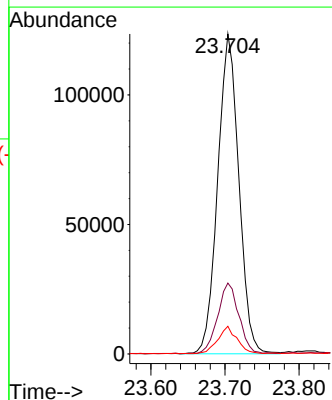
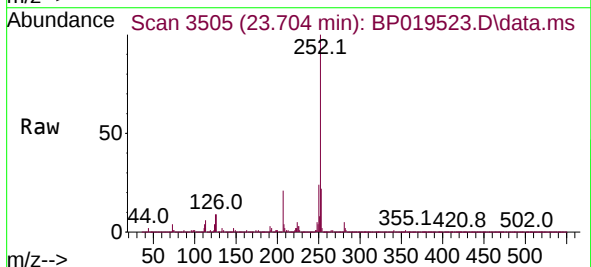
Tgt Ion:252 Resp: 244705

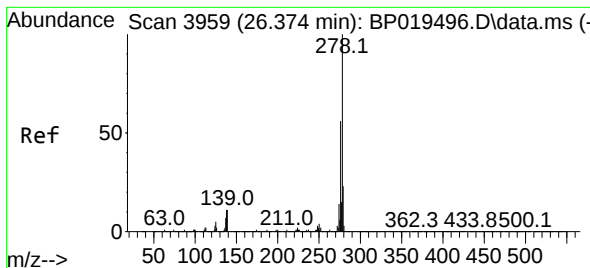
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 8.7 5.6 8.4#





#91

Dibenzo(a,h)anthracene

Concen: 10.152 ng

RT: 26.368 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

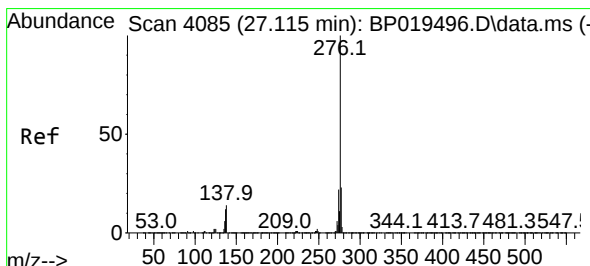
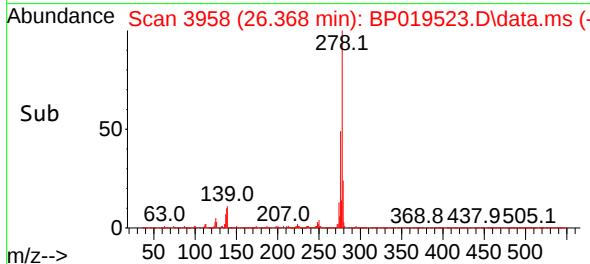
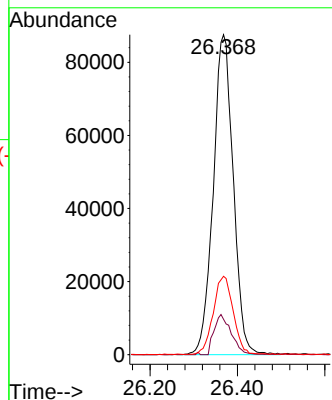
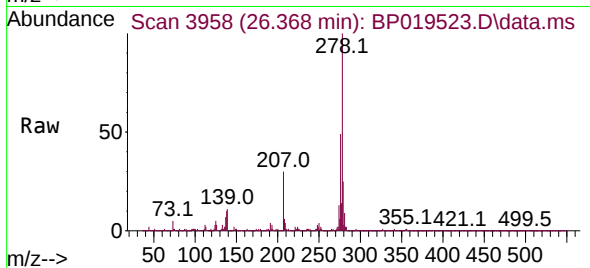
Tgt Ion:278 Resp: 278063

Ion Ratio Lower Upper

278 100

139 11.1 8.6 12.8

279 24.5 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 9.688 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019523.D

Acq: 02 Feb 2024 12:08

Tgt Ion:276 Resp: 269194

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 13.1 10.9 16.3

