

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019529.D
 Acq On : 02 Feb 2024 15:38
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 02 16:11:01 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	7.910	152	84093	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	339804	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	223501	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	429059	20.000	ng	0.00
76) Chrysene-d12	21.386	240	343813	20.000	ng	0.00
86) Perylene-d12	23.804	264	463254	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	556588	106.689	ng	0.00
7) Phenol-d6	7.081	99	746278	106.091	ng	0.00
23) Nitrobenzene-d5	9.081	82	705004	89.901	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	341657	104.698	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1634485	90.407	ng	0.00
79) Terphenyl-d14	19.869	244	1874624	89.668	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	10873	5.410	ng	95
3) Pyridine	3.793	79	25601	4.698	ng	96
4) n-Nitrosodimethylamine	3.717	42	12083	5.093	ng	# 97
6) Aniline	7.246	93	42832	6.266	ng	99
8) 2-Chlorophenol	7.475	128	27436	5.122	ng	99
9) Benzaldehyde	7.058	77	29467	5.975	ng	97
10) Phenol	7.105	94	36349	5.185	ng	94
11) bis(2-Chloroethyl)ether	7.346	93	28940	5.306	ng	99
12) 1,3-Dichlorobenzene	7.799	146	32615	4.976	ng	97
13) 1,4-Dichlorobenzene	7.946	146	33248	5.007	ng	94
14) 1,2-Dichlorobenzene	8.258	146	32571	5.070	ng	95
15) Benzyl Alcohol	8.158	79	30643	5.452	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.452	45	30322	5.559	ng	97
17) 2-Methylphenol	8.357	107	24544	5.200	ng	98
18) Hexachloroethane	8.981	117	12145	4.719	ng	96
19) n-Nitroso-di-n-propyla...	8.728	70	26607	5.538	ng	98
20) 3+4-Methylphenols	8.687	107	34242	5.316	ng	97
22) Acetophenone	8.740	105	51645	5.335	ng	# 98
24) Nitrobenzene	9.122	77	41411	5.245	ng	99
25) Isophorone	9.646	82	71501	5.235	ng	99
26) 2-Nitrophenol	9.828	139	13682	4.545	ng	89
27) 2,4-Dimethylphenol	9.887	122	22406	5.820	ng	91
28) bis(2-Chloroethoxy)met...	10.140	93	40664	5.262	ng	96
29) 2,4-Dichlorophenol	10.357	162	29412	5.054	ng	95
30) 1,2,4-Trichlorobenzene	10.569	180	35526	4.979	ng	97
31) Naphthalene	10.763	128	94720	5.082	ng	99
32) Benzoic acid	9.957	122	13530	3.607	ng	89
33) 4-Chloroaniline	10.881	127	39142	5.679	ng	99
34) Hexachlorobutadiene	11.034	225	25134	4.754	ng	99
35) Caprolactam	11.651	113	7436	4.514	ng	95
36) 4-Chloro-3-methylphenol	11.998	107	31702	4.996	ng	96
37) 2-Methylnaphthalene	12.369	142	66453	5.152	ng	96
38) 1-Methylnaphthalene	12.587	142	65146	5.140	ng	99
40) 1,2,4,5-Tetrachloroben...	12.734	216	44466	5.159	ng	99
41) Hexachlorocyclopentadiene	12.704	237	23112	5.935	ng	100
43) 2,4,6-Trichlorophenol	12.975	196	25582	4.901	ng	95

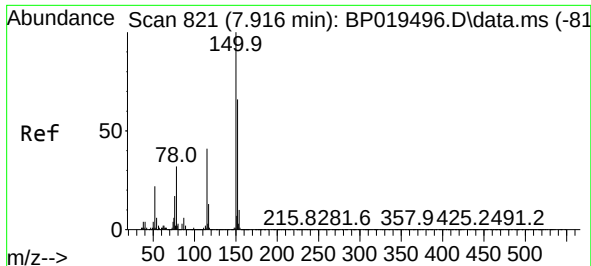
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	26536	4.630	ng	98
46) 1,1'-Biphenyl	13.381	154	94360	5.290	ng	98
47) 2-Chloronaphthalene	13.422	162	73969	5.051	ng	98
48) 2-Nitroaniline	13.634	65	18187	4.442	ng	95
49) Acenaphthylene	14.263	152	113325	5.516	ng	96
50) Dimethylphthalate	14.010	163	86227	5.040	ng	99
51) 2,6-Dinitrotoluene	14.134	165	17815	4.739	ng	98
52) Acenaphthene	14.604	154	65759	5.157	ng	98
53) 3-Nitroaniline	14.457	138	15526	4.494	ng	92
54) 2,4-Dinitrophenol	14.663	184	7518	3.852	ng	90
55) Dibenzofuran	14.945	168	110160	5.305	ng	97
56) 4-Nitrophenol	14.757	139	11281	3.984	ng	93
57) 2,4-Dinitrotoluene	14.916	165	20667	4.195	ng	97
58) Fluorene	15.592	166	83359	5.040	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.163	232	23969	4.972	ng	98
60) Diethylphthalate	15.381	149	80081	4.706	ng	100
61) 4-Chlorophenyl-phenyle...	15.598	204	47036	5.059	ng	97
62) 4-Nitroaniline	15.616	138	14796	4.086	ng	98
63) Azobenzene	15.887	77	78139	4.748	ng	99
65) 4,6-Dinitro-2-methylph...	15.669	198	9106	3.722	ng	93
66) n-Nitrosodiphenylamine	15.810	169	69349	5.397	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	28175	5.253	ng	96
68) Hexachlorobenzene	16.586	284	32544	5.196	ng	99
69) Atrazine	16.769	200	22359	5.244	ng	93
70) Pentachlorophenol	16.939	266	15148	3.883	ng	98
71) Phenanthrene	17.339	178	120709	5.346	ng	98
72) Anthracene	17.433	178	118596	5.265	ng	99
73) Carbazole	17.704	167	94359	4.611	ng	98
74) Di-n-butylphthalate	18.269	149	99037	4.003	ng	99
75) Fluoranthene	19.304	202	120338	4.363	ng	99
77) Benzidine	19.498	184	55784	7.761	ng	98
78) Pyrene	19.657	202	124280	5.122	ng	100
80) Butylbenzylphthalate	20.551	149	35839	3.955	ng	100
81) Benzo(a)anthracene	21.374	228	124784	5.156	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	46784	5.305	ng	# 95
83) Chrysene	21.427	228	116047	5.050	ng	98
84) Bis(2-ethylhexyl)phtha...	21.322	149	56088	4.065	ng	97
85) Di-n-octyl phthalate	22.269	149	100176	4.126	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	180675	5.095	ng	99
88) Benzo(b)fluoranthene	23.063	252	137966	4.725	ng	99
89) Benzo(k)fluoranthene	23.116	252	130822	4.691	ng	100
90) Benzo(a)pyrene	23.698	252	123808	4.766	ng	100
91) Dibenzo(a,h)anthracene	26.357	278	153108	5.250	ng	97
92) Benzo(g,h,i)perylene	27.098	276	147952	5.000	ng	98

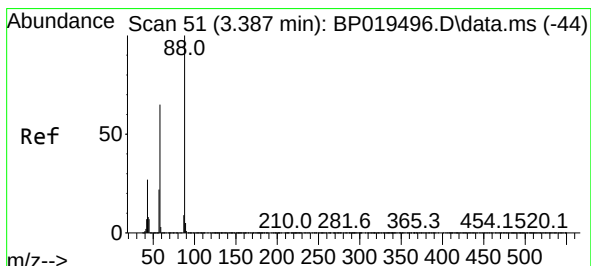
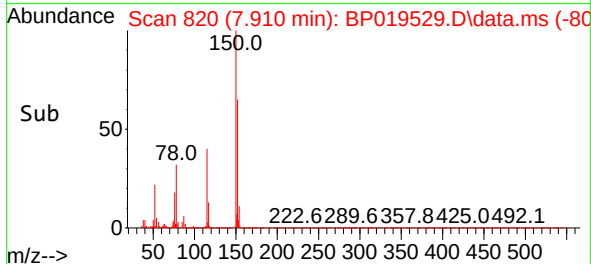
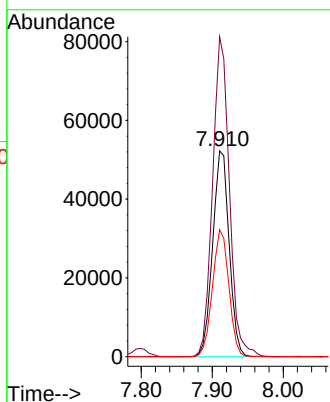
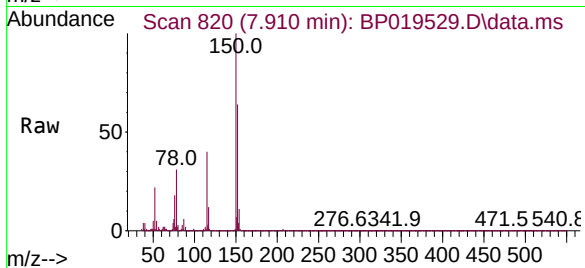
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

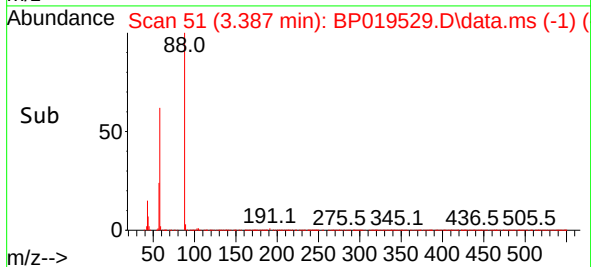
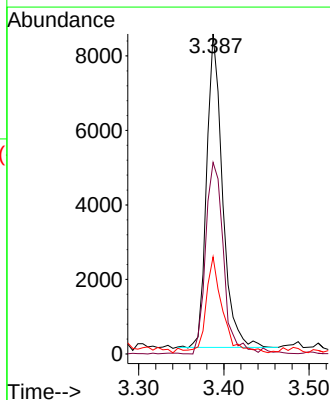
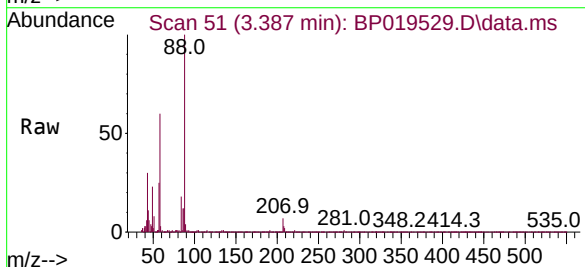
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 LOQ-SOIL-02-QT1-2024

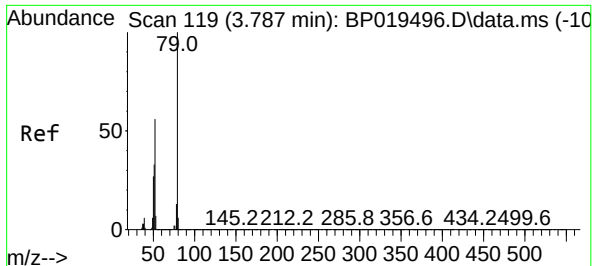
Tgt Ion:152 Resp: 84093
 Ion Ratio Lower Upper
 152 100
 150 155.6 121.8 182.8
 115 61.7 49.9 74.9



#2
 1,4-Dioxane
 Concen: 5.410 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

Tgt Ion: 88 Resp: 10873
 Ion Ratio Lower Upper
 88 100
 58 68.6 52.6 78.8
 43 32.2 21.9 32.9





#3

Pyridine

Concen: 4.698 ng

RT: 3.793 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

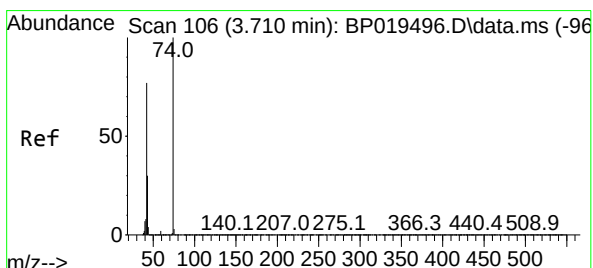
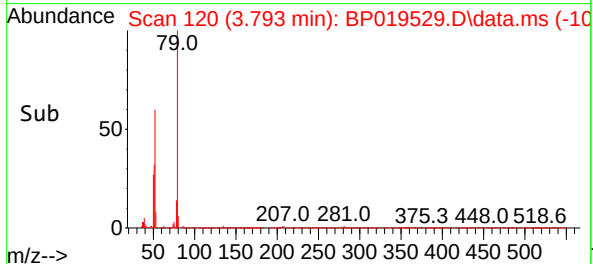
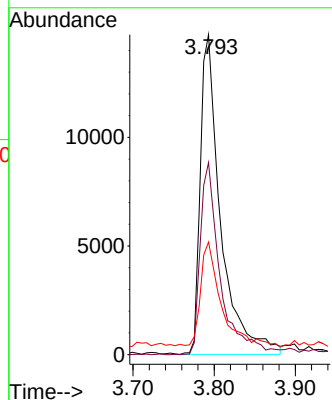
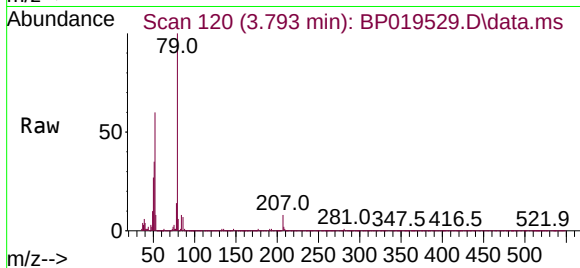
Tgt Ion: 79 Resp: 25601

Ion Ratio Lower Upper

79 100

52 60.0 45.0 67.6

51 35.2 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 5.093 ng

RT: 3.717 min Scan# 107

Delta R.T. 0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

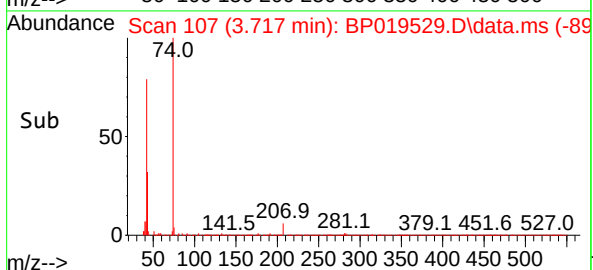
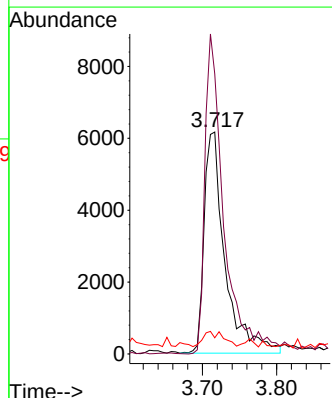
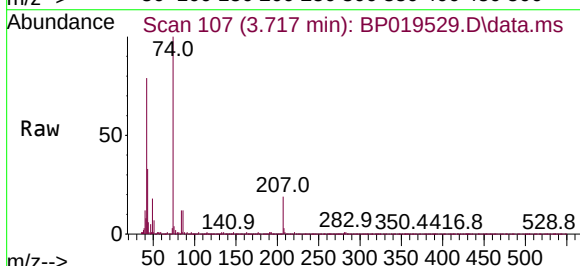
Tgt Ion: 42 Resp: 12083

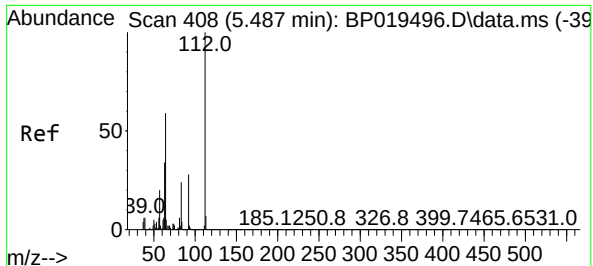
Ion Ratio Lower Upper

42 100

74 126.2 103.4 155.2

44 7.3 4.8 7.2#

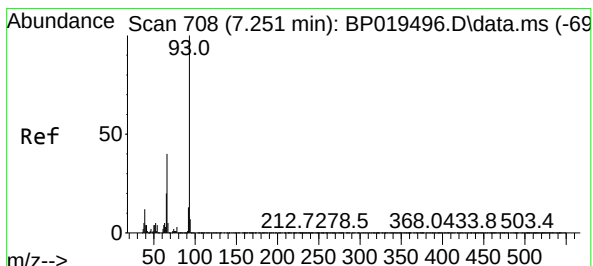
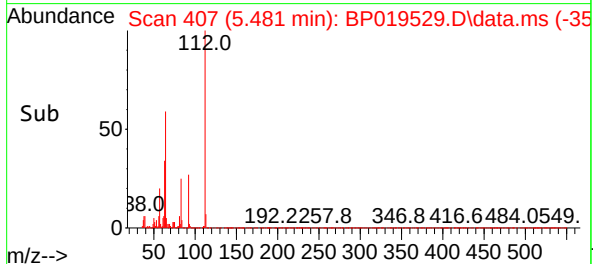
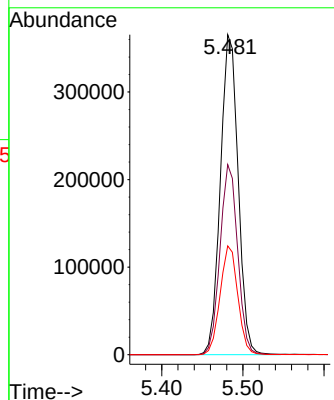
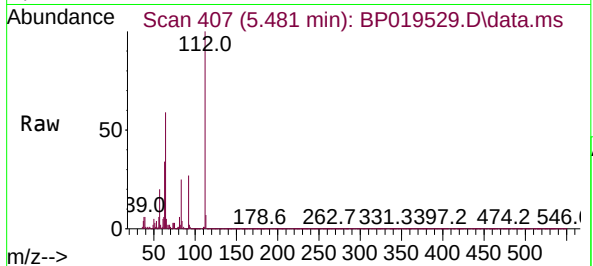




#5
2-Fluorophenol
Concen: 106.689 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

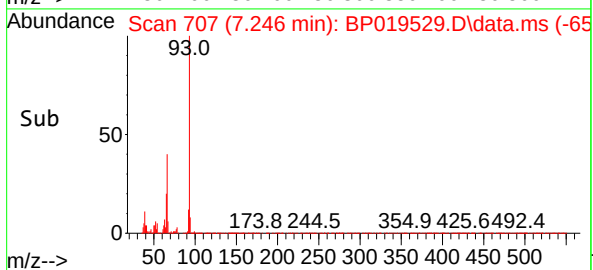
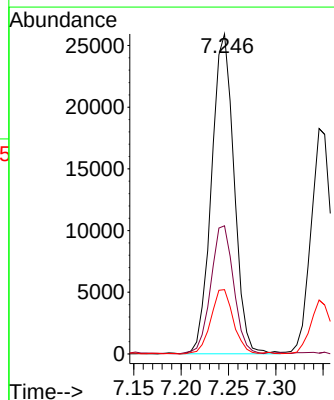
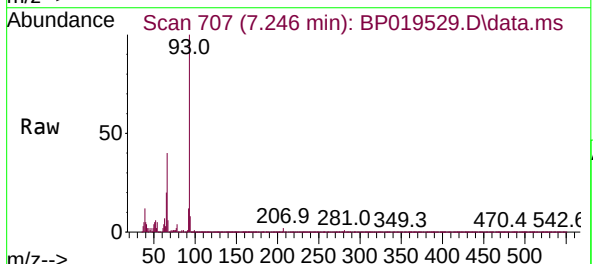
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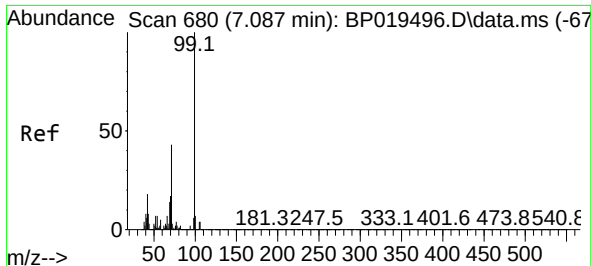
Tgt Ion:112 Resp: 556588
Ion Ratio Lower Upper
112 100
64 59.4 47.4 71.0
63 34.0 27.0 40.6



#6
Aniline
Concen: 6.266 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 93 Resp: 42832
Ion Ratio Lower Upper
93 100
66 40.0 32.3 48.5
65 20.1 16.4 24.6

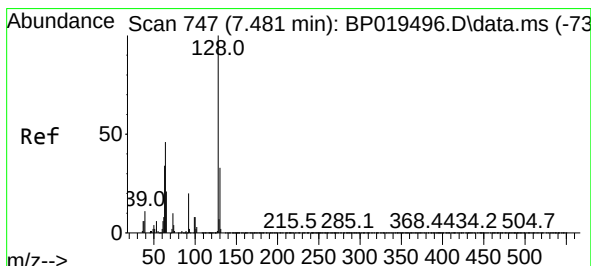
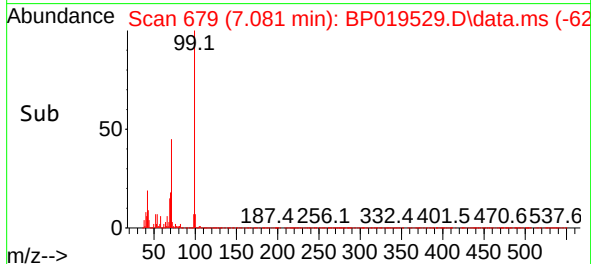
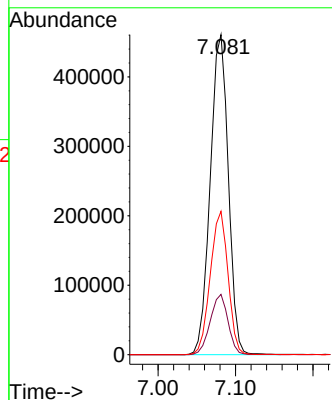
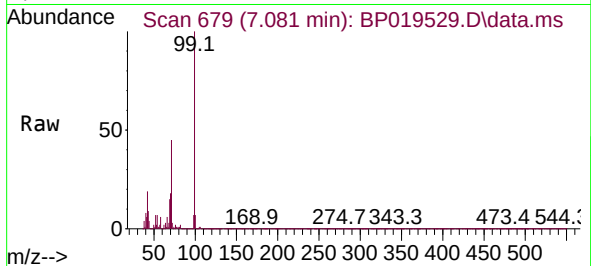




#7
Phenol-d6
Concen: 106.091 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

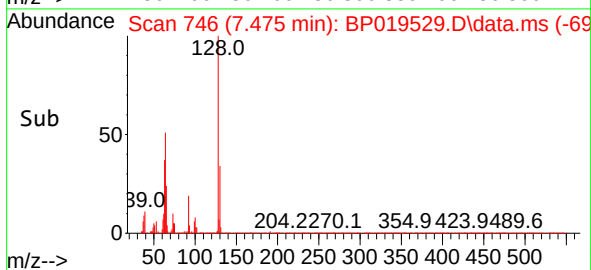
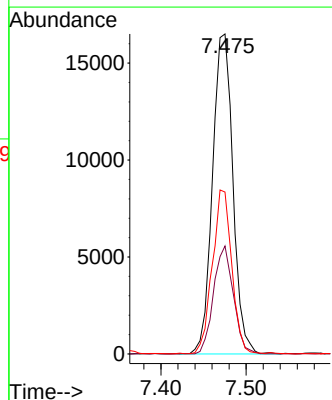
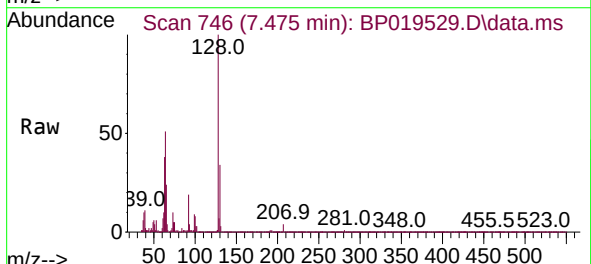
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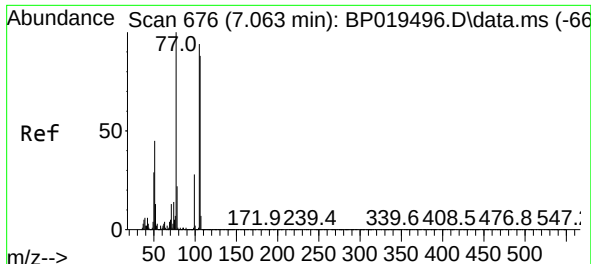
Tgt Ion: 99 Resp: 746278
Ion Ratio Lower Upper
99 100
42 18.9 14.7 22.1
71 44.8 34.8 52.2



#8
2-Chlorophenol
Concen: 5.122 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 128 Resp: 27436
Ion Ratio Lower Upper
128 100
130 33.7 13.3 53.3
64 50.6 29.7 69.7

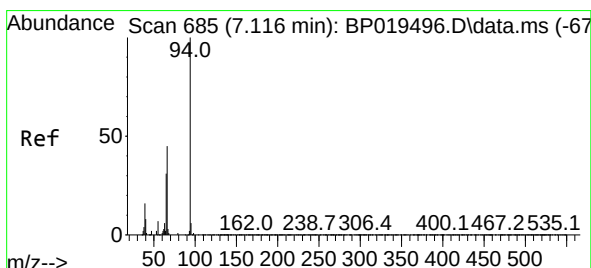
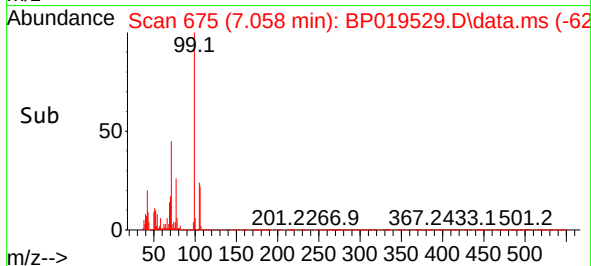
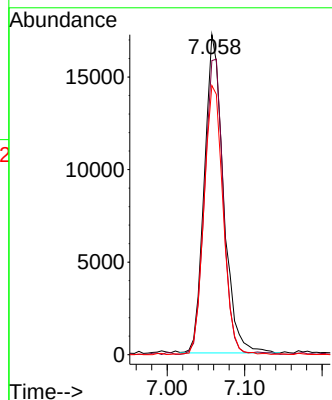
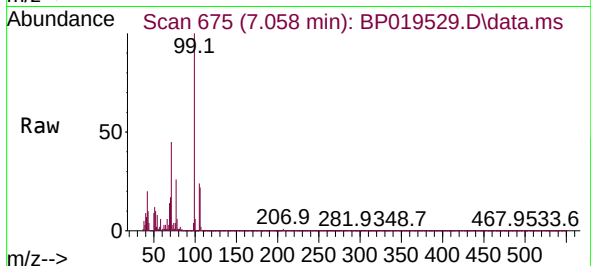




#9
Benzaldehyde
Concen: 5.975 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

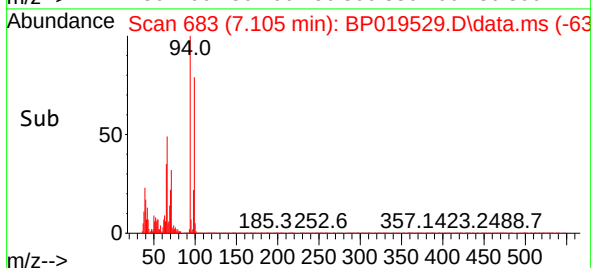
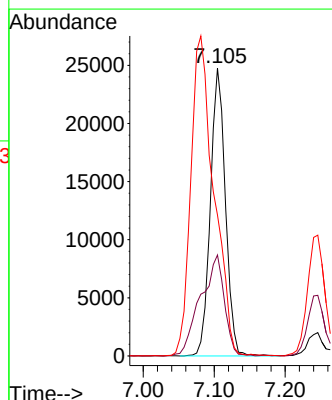
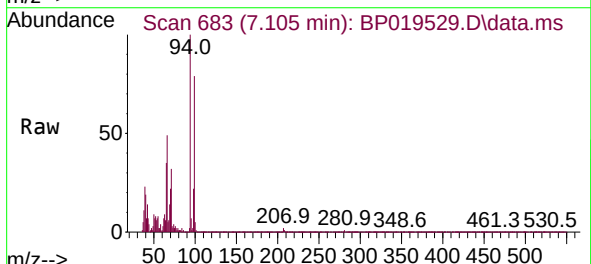
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

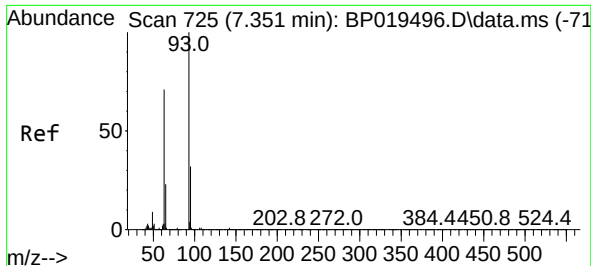
Tgt Ion: 77 Resp: 29467
Ion Ratio Lower Upper
77 100
105 91.9 74.0 114.0
106 84.1 67.8 107.8



#10
Phenol
Concen: 5.185 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 94 Resp: 36349
Ion Ratio Lower Upper
94 100
65 35.1 11.3 51.3
66 49.0 25.1 65.1

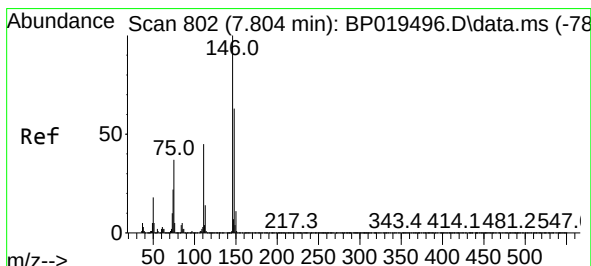
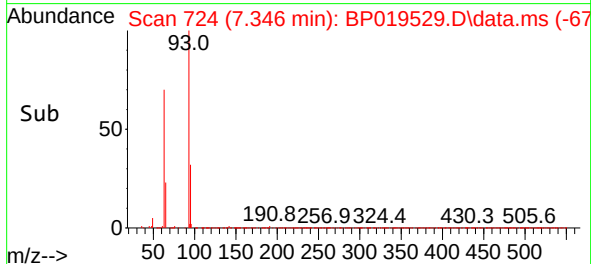
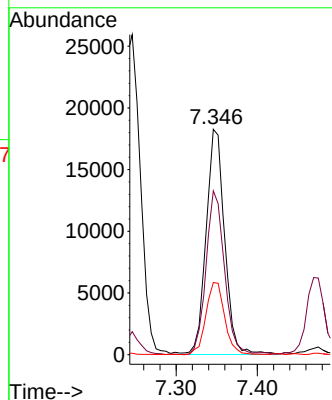
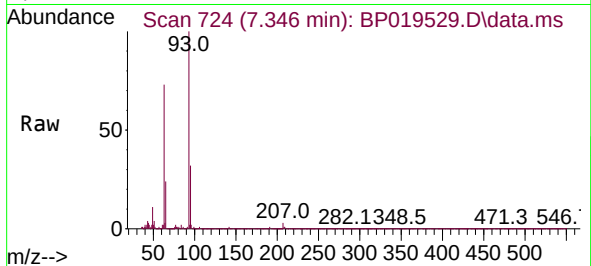




#11
bis(2-Chloroethyl)ether
Concen: 5.306 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

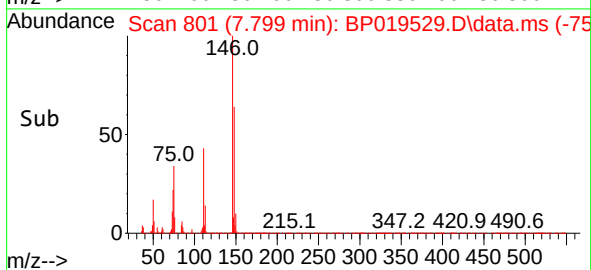
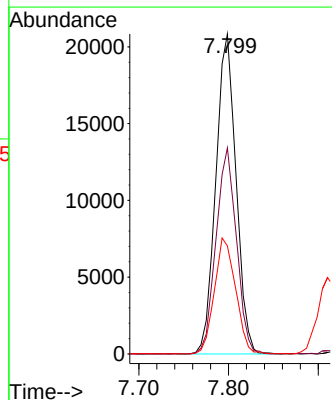
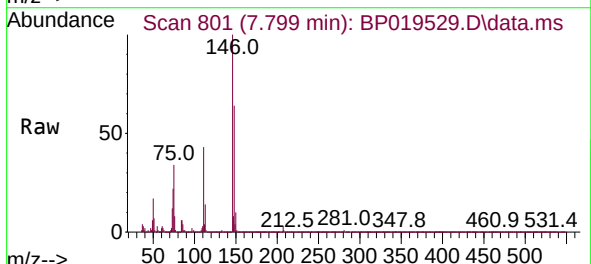
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

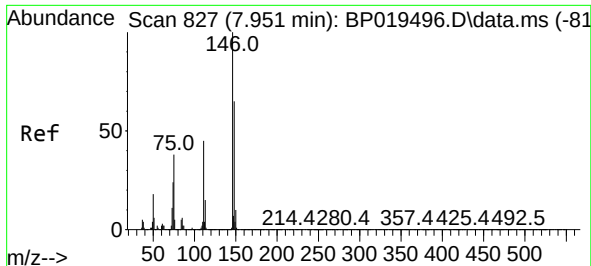
Tgt Ion: 93 Resp: 28940
Ion Ratio Lower Upper
93 100
63 72.7 51.2 91.2
95 32.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.976 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 146 Resp: 32615
Ion Ratio Lower Upper
146 100
148 64.4 50.4 75.6
75 33.7 29.9 44.9

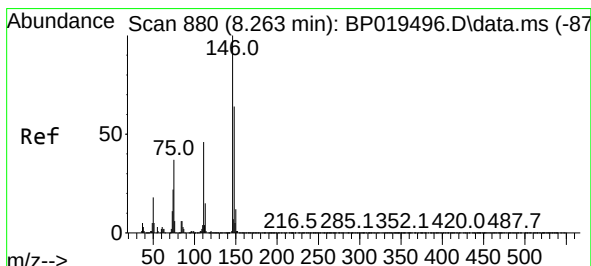
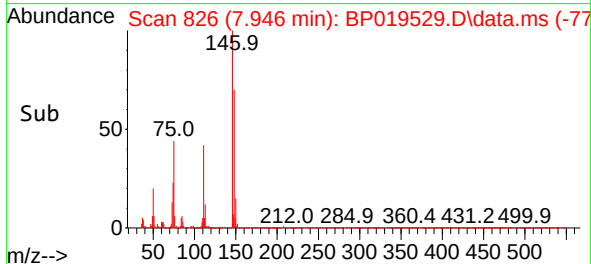
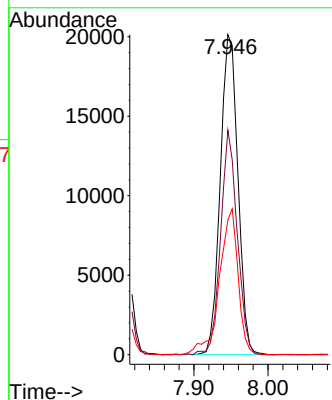
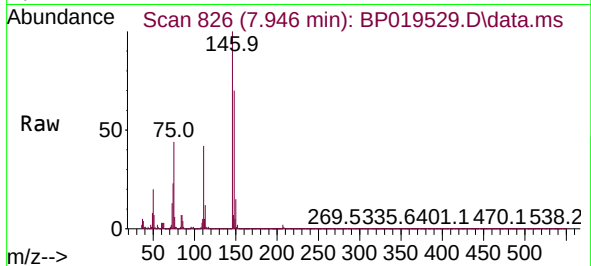




#13
1,4-Dichlorobenzene
Concen: 5.007 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

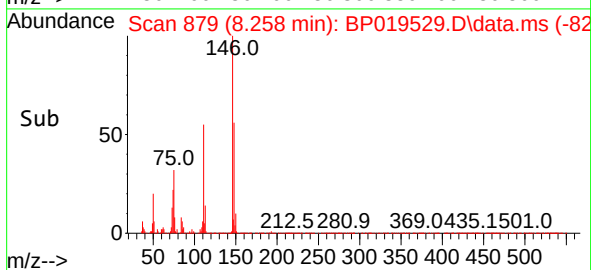
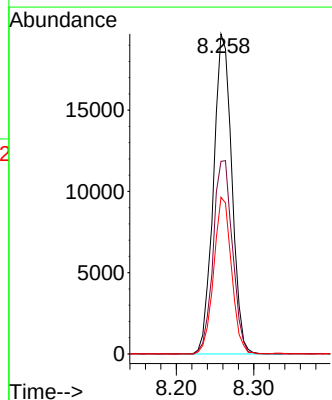
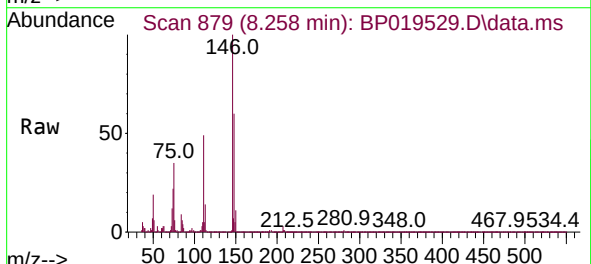
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

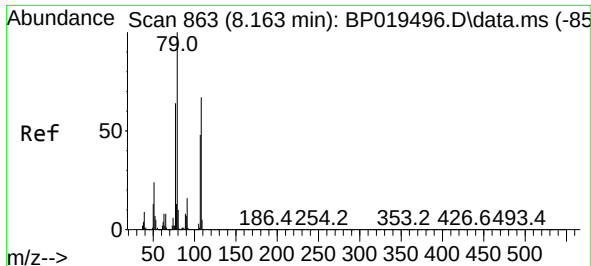
Tgt Ion:146 Resp: 33248
Ion Ratio Lower Upper
146 100
148 70.2 51.9 77.9
111 42.0 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 5.070 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:146 Resp: 32571
Ion Ratio Lower Upper
146 100
148 60.2 51.4 77.0
111 48.9 37.0 55.6

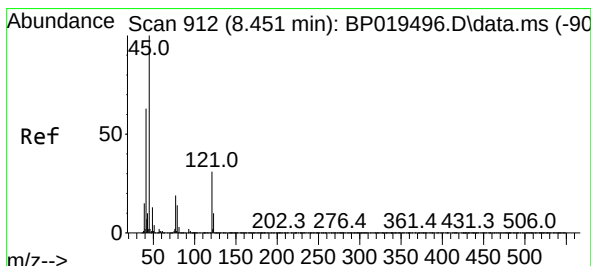
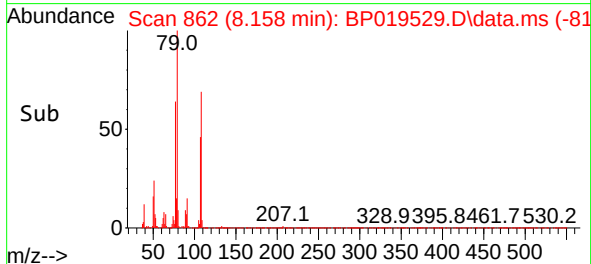
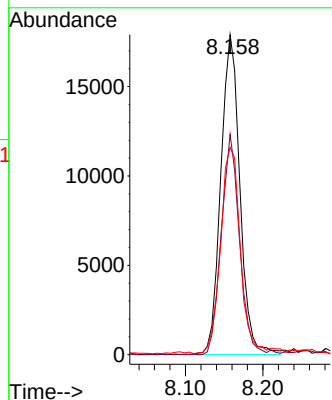
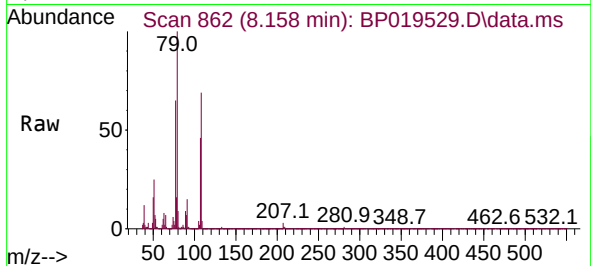




#15
Benzyl Alcohol
Concen: 5.452 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

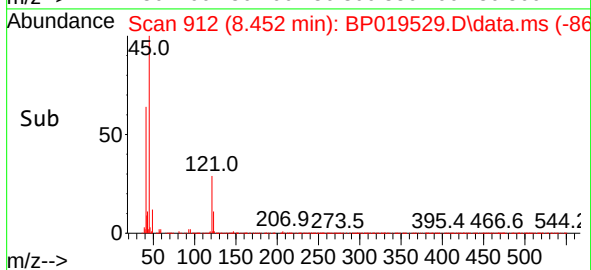
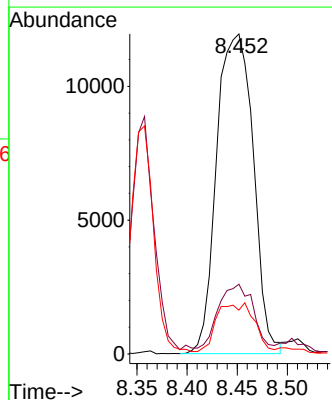
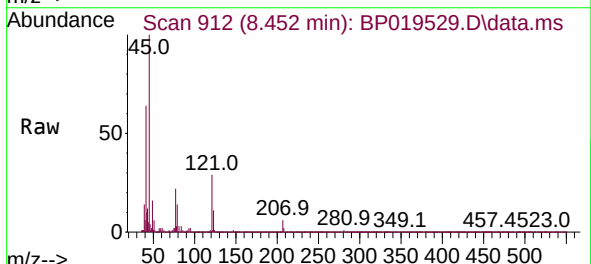
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

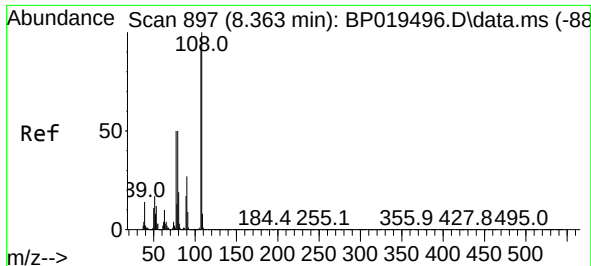
Tgt Ion: 79 Resp: 30643
Ion Ratio Lower Upper
79 100
108 68.8 53.8 80.6
77 64.7 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.559 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 45 Resp: 30322
Ion Ratio Lower Upper
45 100
77 21.8 0.8 40.8
79 13.7 0.0 35.5

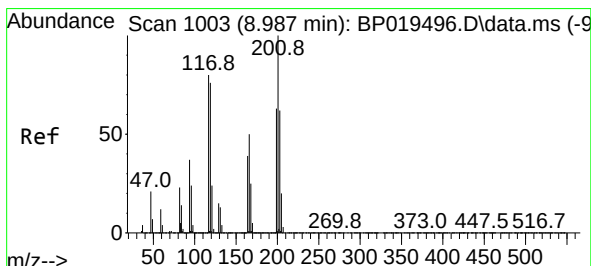
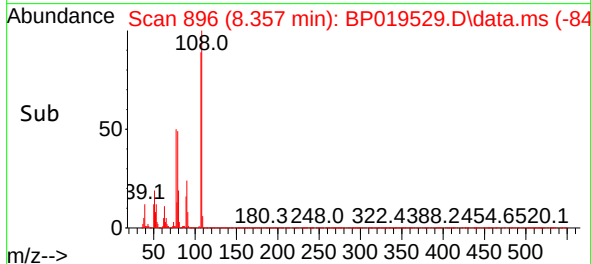
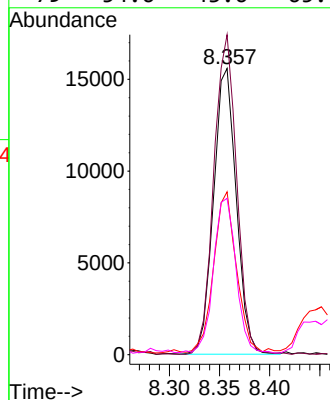
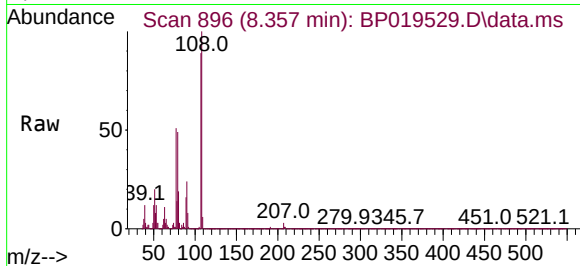




#17
2-Methylphenol
Concen: 5.200 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

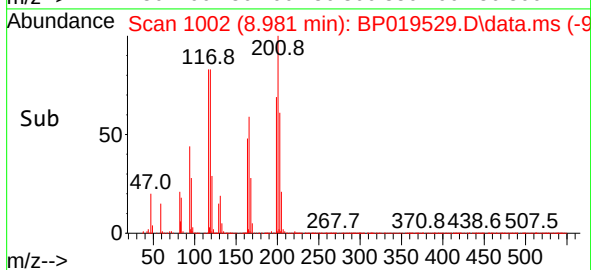
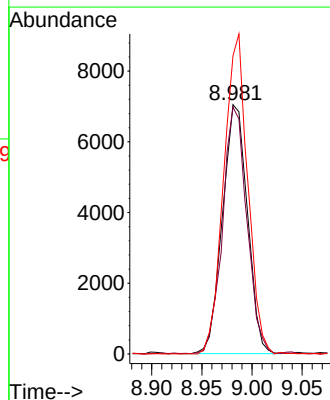
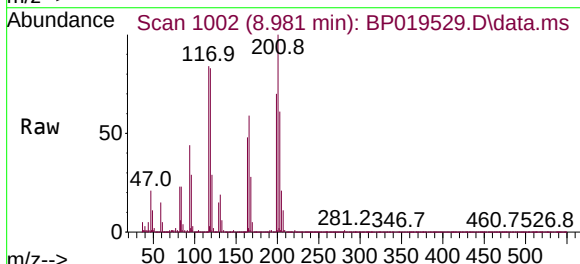
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

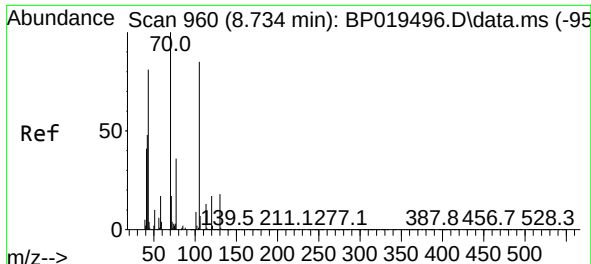
Tgt Ion:	107	Resp:	24544
Ion	Ratio	Lower	Upper
107	100		
108	111.8	87.0	130.6
77	56.9	43.5	65.3
79	54.6	43.6	65.4



#18
Hexachloroethane
Concen: 4.719 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:	117	Resp:	12145
Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.5	113.3
201	119.6	99.4	149.2

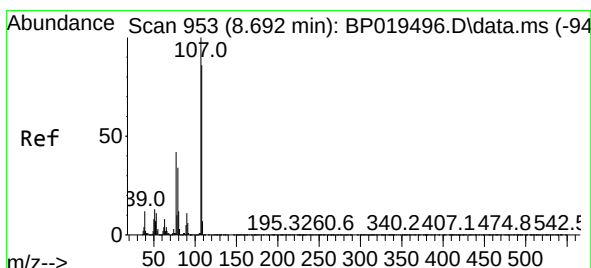
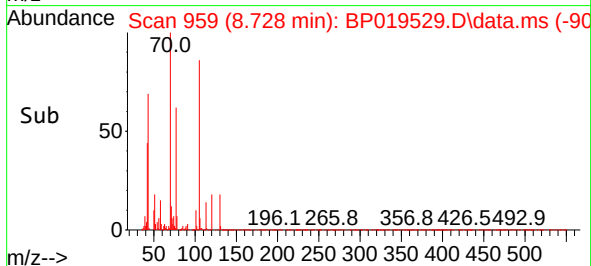
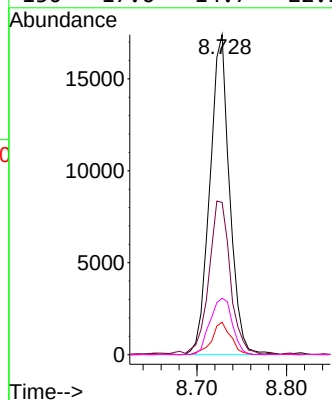
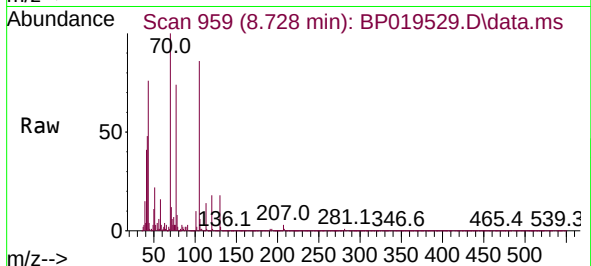




#19
n-Nitroso-di-n-propylamine
Concen: 5.538 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

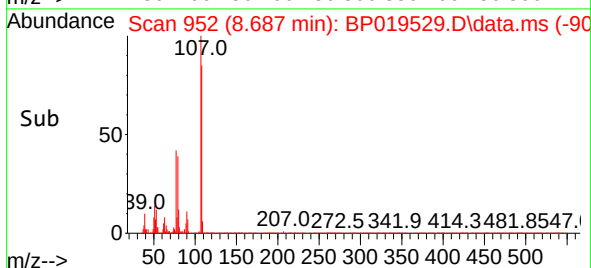
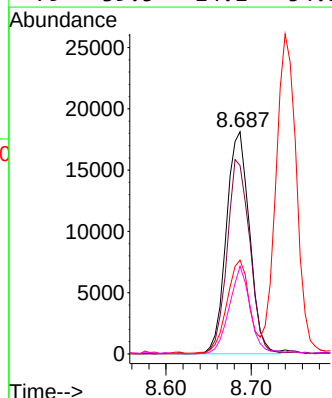
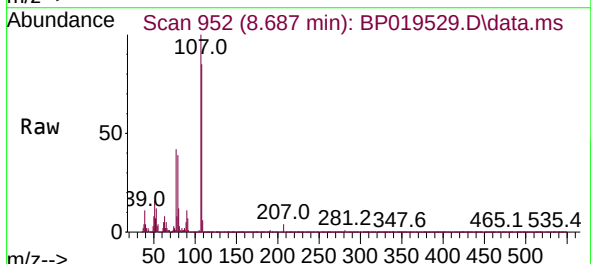
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

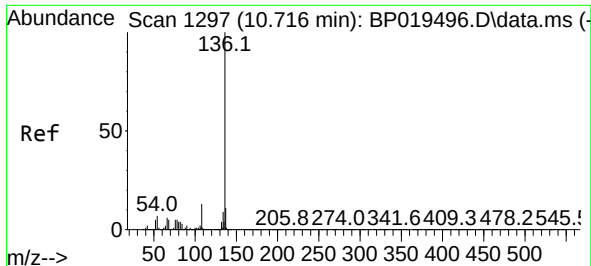
Tgt Ion:	70	Resp:	26607
Ion	Ratio	Lower	Upper
70	100		
42	47.6	39.2	58.8
101	10.2	7.3	10.9
130	17.6	14.7	22.1



#20
3+4-Methylphenols
Concen: 5.316 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:	107	Resp:	34242
Ion	Ratio	Lower	Upper
107	100		
108	84.8	65.5	105.5
77	42.2	21.8	61.8
79	39.5	14.1	54.1

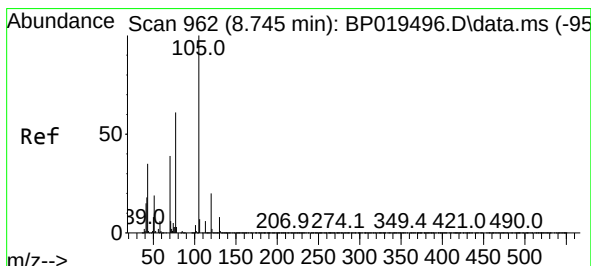
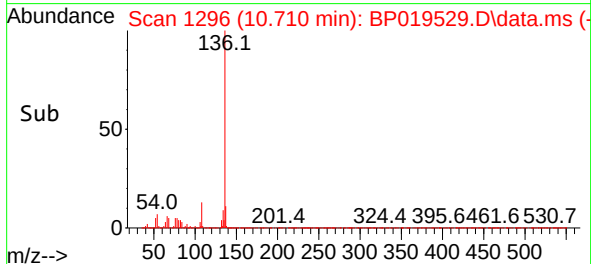
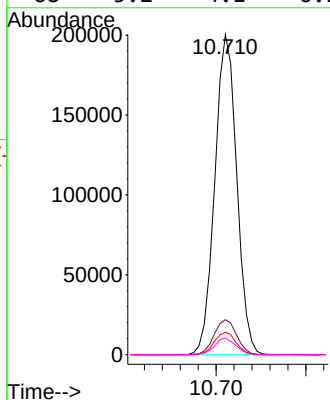
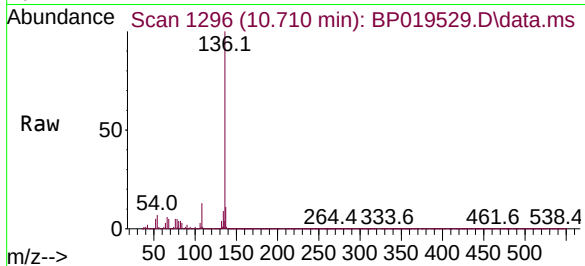




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

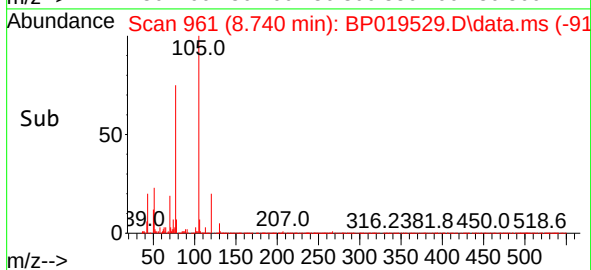
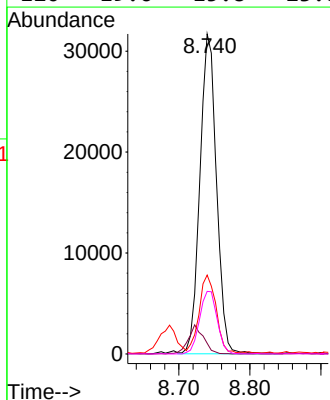
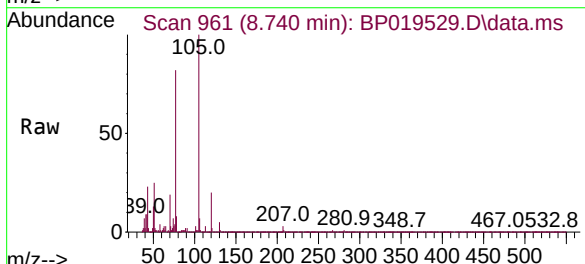
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

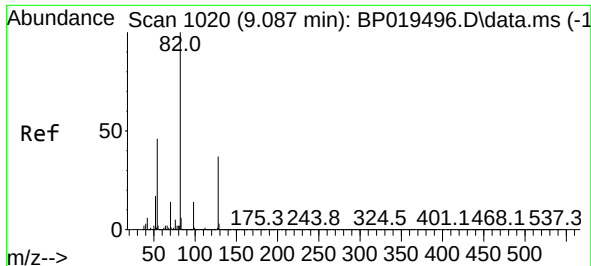
Tgt Ion:	136	Resp:	339804
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.3	7.9
68	5.2	4.1	6.1



#22
Acetophenone
Concen: 5.335 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:	105	Resp:	51645
Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.9	7.3#
51	24.6	20.7	31.1
120	19.6	15.8	23.8





#23

Nitrobenzene-d5

Concen: 89.901 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

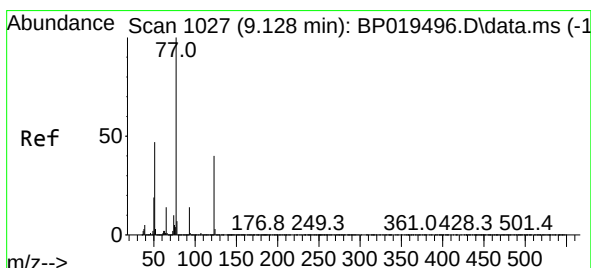
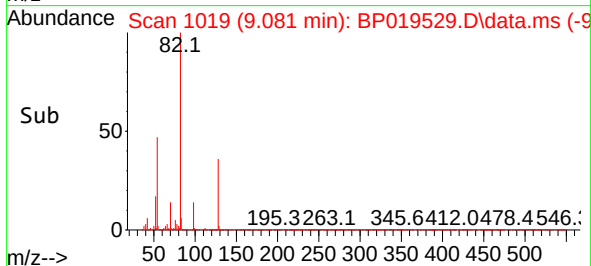
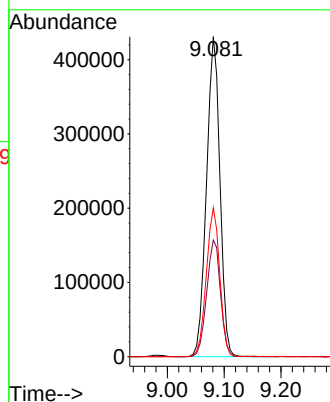
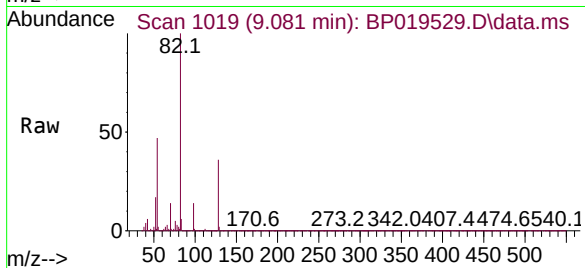
Tgt Ion: 82 Resp: 705004

Ion Ratio Lower Upper

82 100

128 36.4 29.7 44.5

54 46.5 36.8 55.2



#24

Nitrobenzene

Concen: 5.245 ng

RT: 9.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

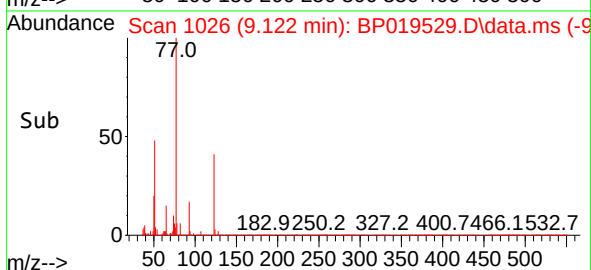
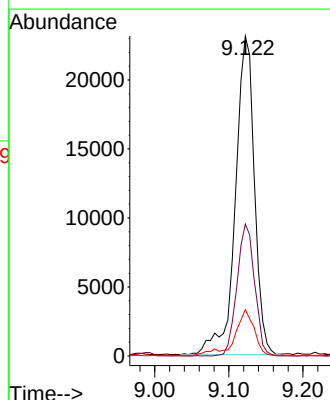
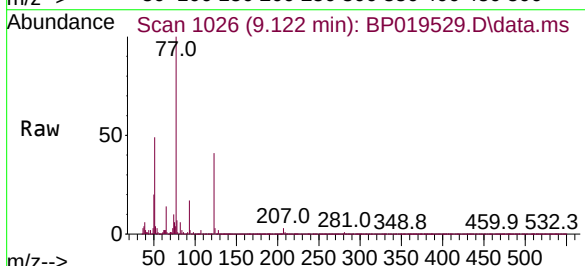
Tgt Ion: 77 Resp: 41411

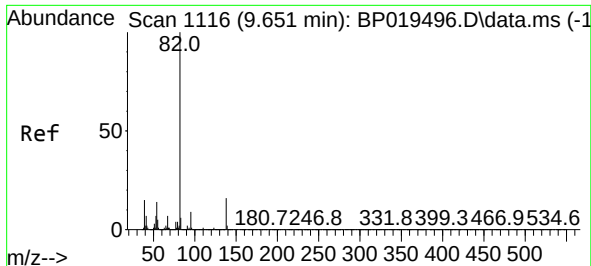
Ion Ratio Lower Upper

77 100

123 41.2 32.3 48.5

65 14.5 11.6 17.4

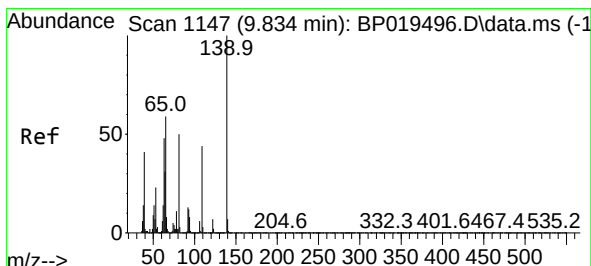
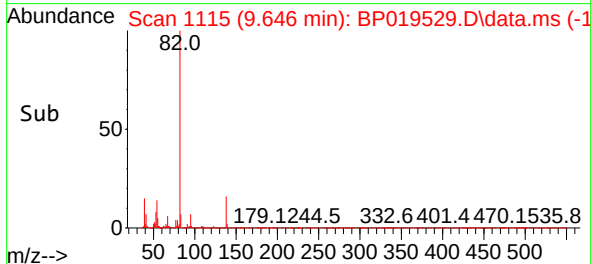
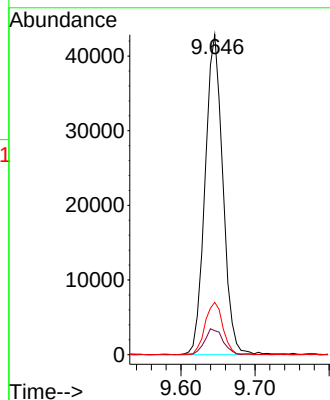
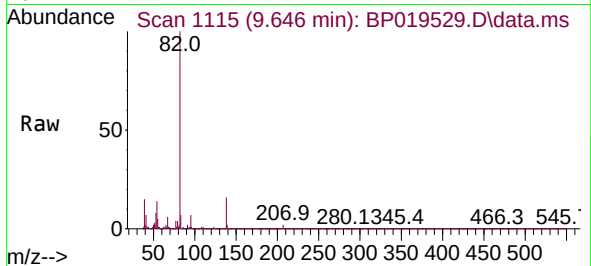




#25
Isophorone
Concen: 5.235 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

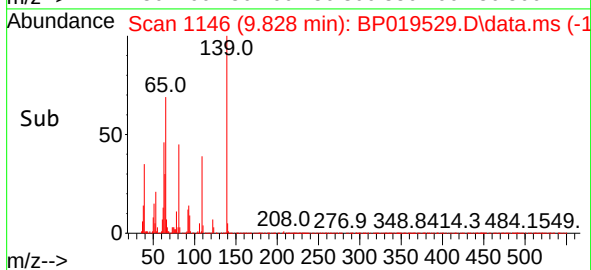
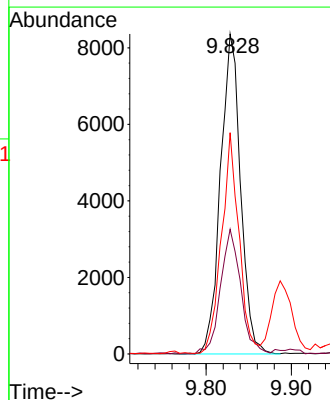
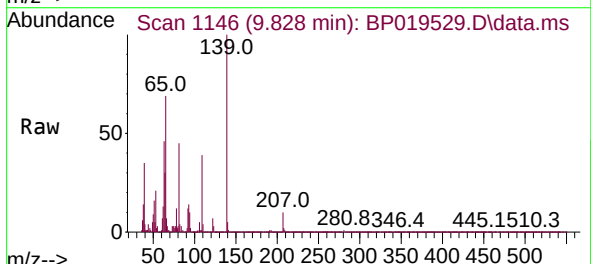
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

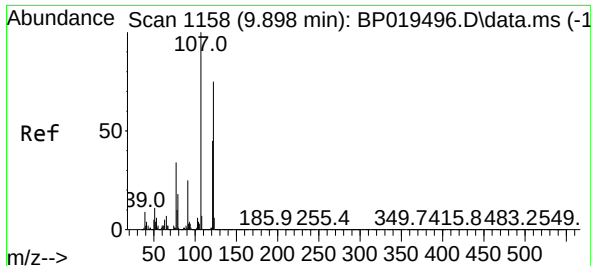
Tgt Ion: 82 Resp: 71501
Ion Ratio Lower Upper
82 100
95 7.5 7.0 10.4
138 16.3 13.1 19.7



#26
2-Nitrophenol
Concen: 4.545 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion: 139 Resp: 13682
Ion Ratio Lower Upper
139 100
109 39.0 34.9 52.3
65 69.2 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 5.820 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

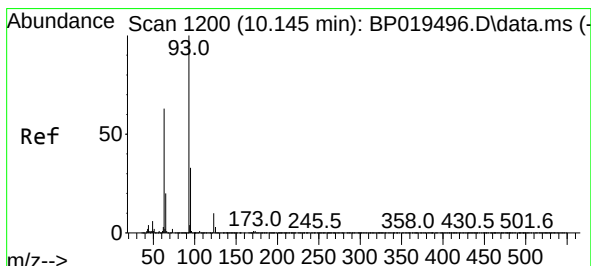
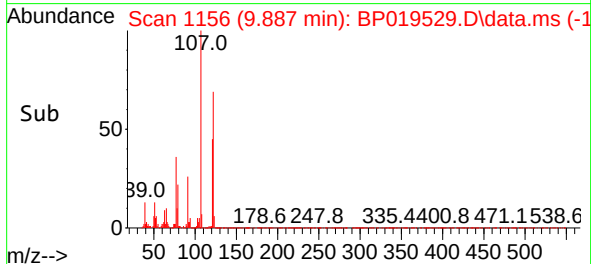
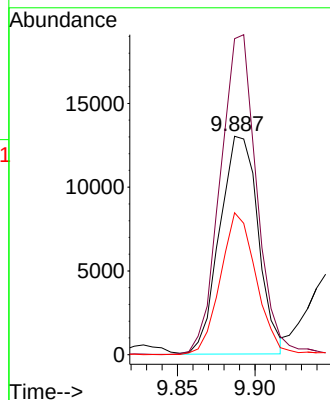
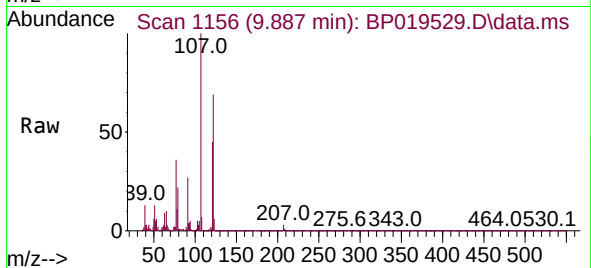
Tgt Ion:122 Resp: 22406

Ion Ratio Lower Upper

122 100

107 144.7 105.9 158.9

121 65.0 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 5.262 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

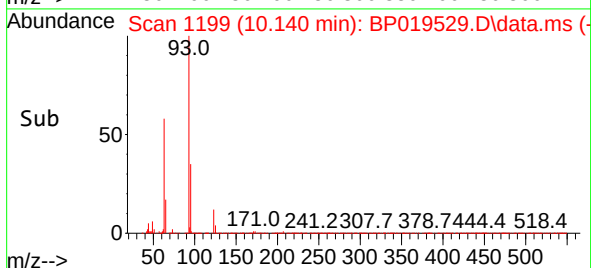
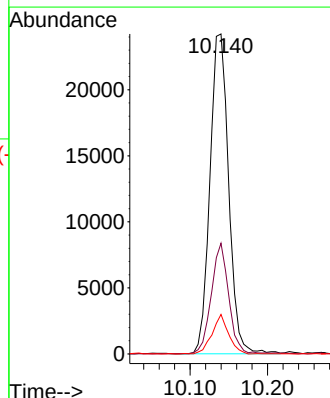
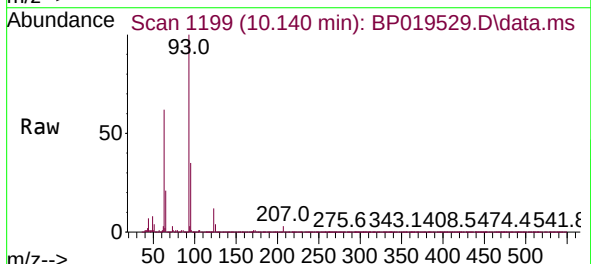
Tgt Ion: 93 Resp: 40664

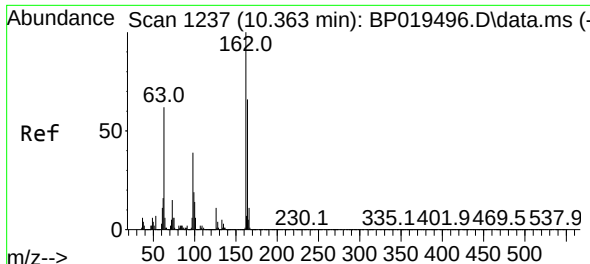
Ion Ratio Lower Upper

93 100

95 34.6 26.2 39.4

123 12.3 8.5 12.7

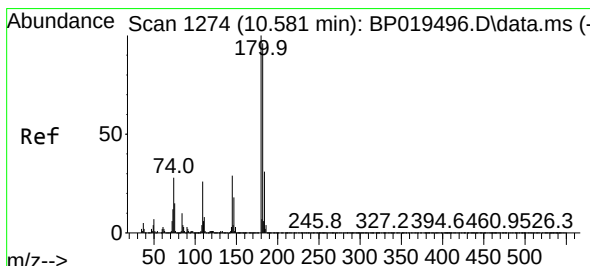
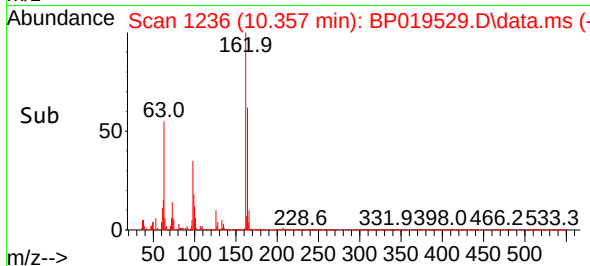
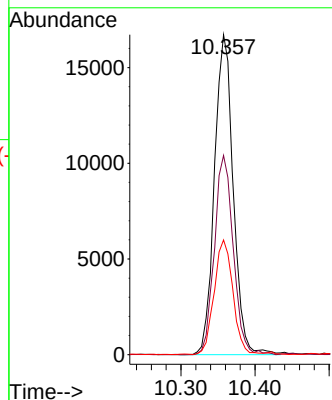
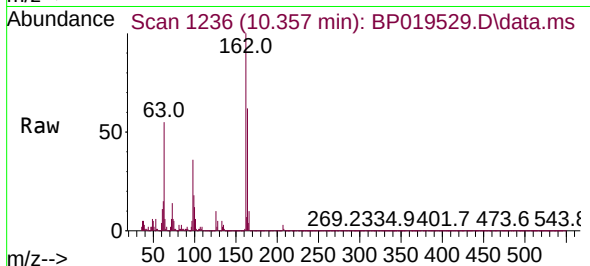




#29
2,4-Dichlorophenol
Concen: 5.054 ng
RT: 10.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

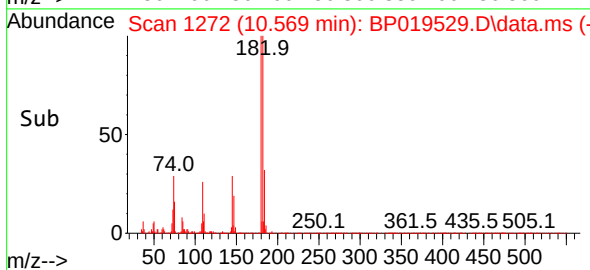
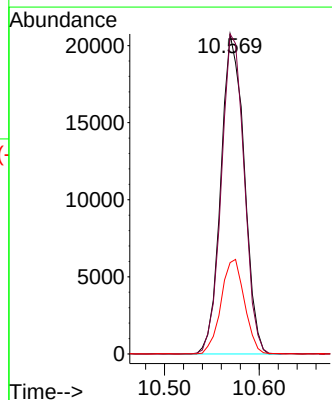
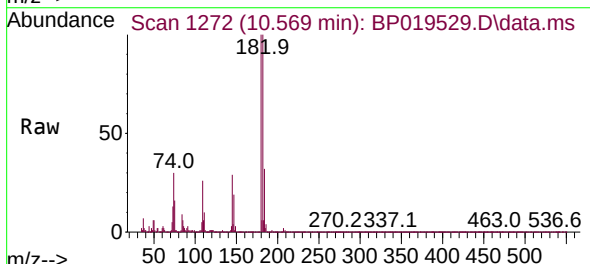
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

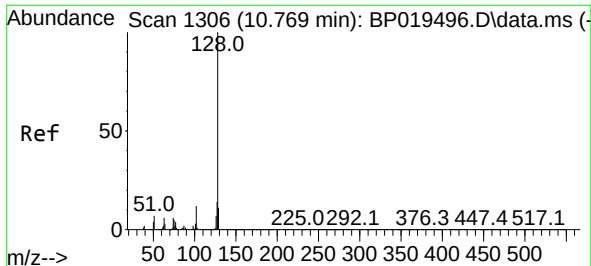
Tgt Ion:162 Resp: 29412
Ion Ratio Lower Upper
162 100
164 62.2 46.0 86.0
98 35.9 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 4.979 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:180 Resp: 35526
Ion Ratio Lower Upper
180 100
182 100.1 77.0 115.6
145 28.6 23.2 34.8

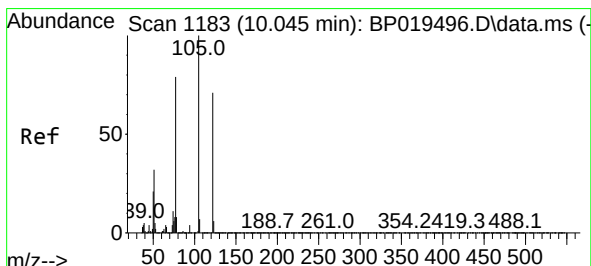
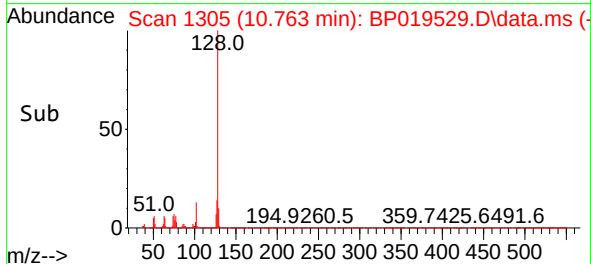
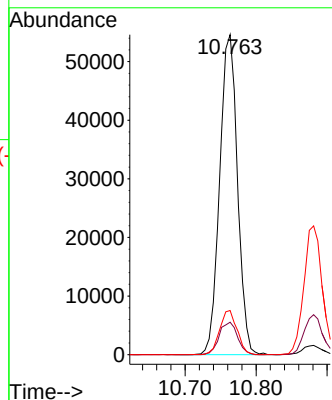
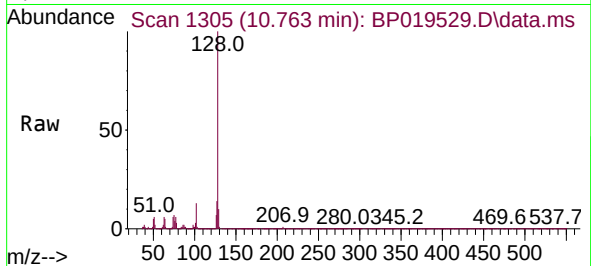




#31
Naphthalene
Concen: 5.082 ng
RT: 10.763 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

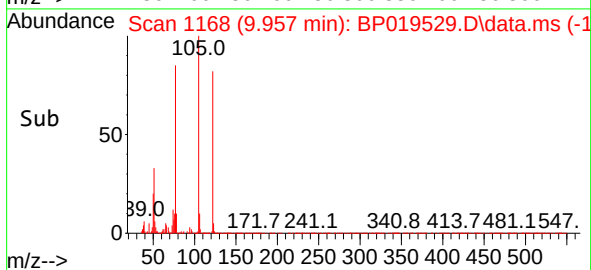
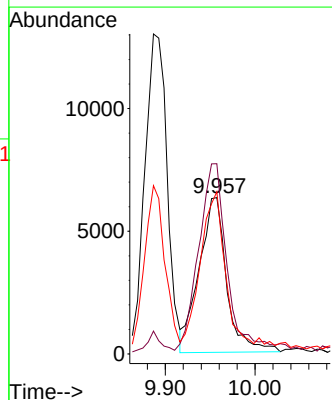
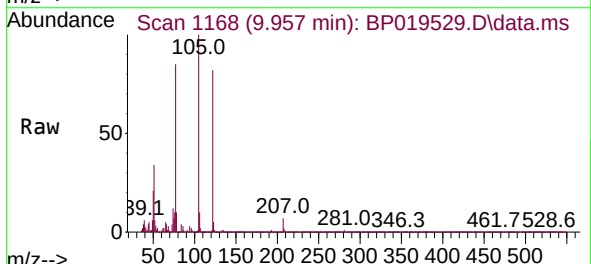
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

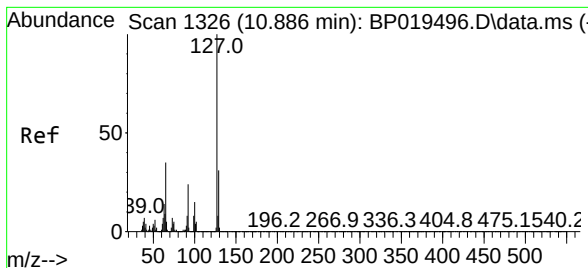
Tgt Ion:128 Resp: 94720
Ion Ratio Lower Upper
128 100
129 10.1 8.6 13.0
127 13.8 10.8 16.2



#32
Benzoic acid
Concen: 3.607 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:122 Resp: 13530
Ion Ratio Lower Upper
122 100
105 121.7 118.8 158.8
77 103.8 91.7 131.7





#33

4-Chloroaniline

Concen: 5.679 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 39142

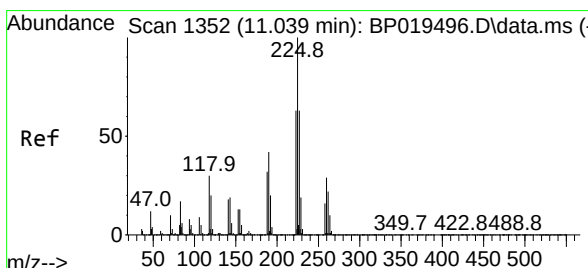
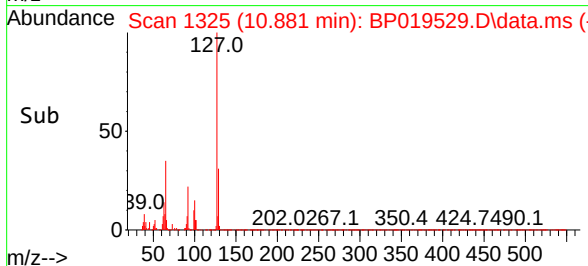
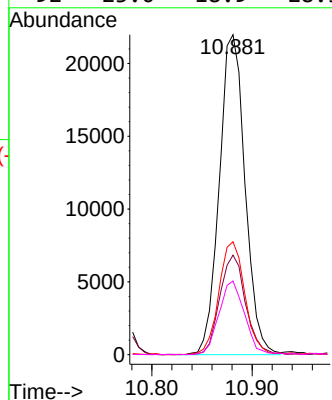
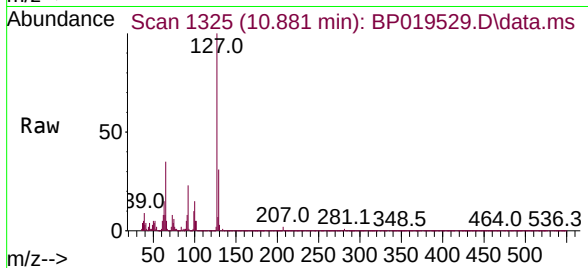
Ion Ratio Lower Upper

127 100

129 31.1 24.6 36.8

65 35.3 28.2 42.4

92 23.0 18.9 28.3



#34

Hexachlorobutadiene

Concen: 4.754 ng

RT: 11.034 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

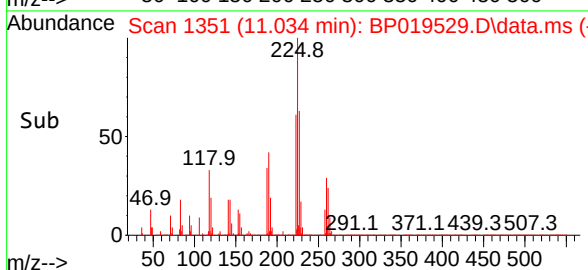
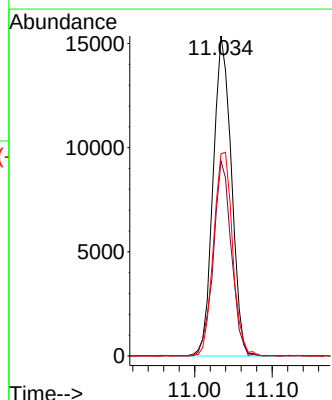
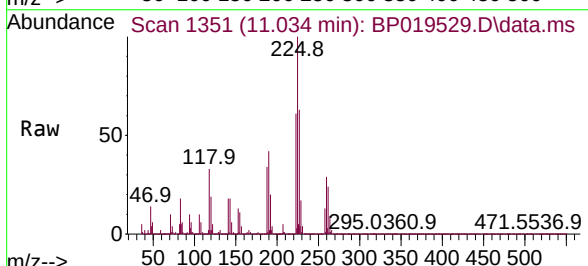
Tgt Ion:225 Resp: 25134

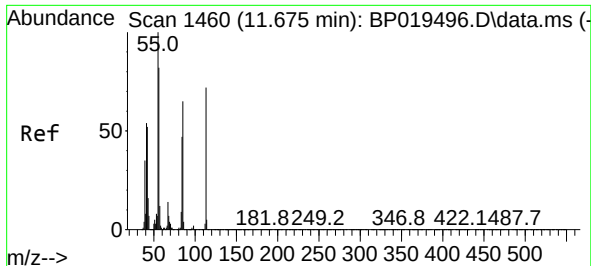
Ion Ratio Lower Upper

225 100

223 63.7 50.5 75.7

227 63.2 50.2 75.2

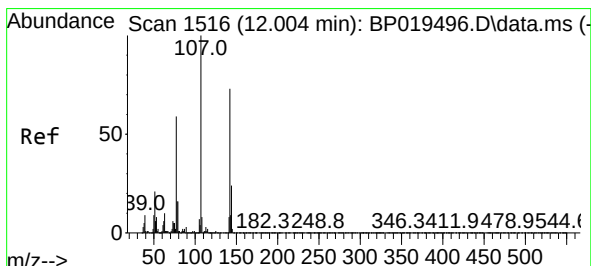
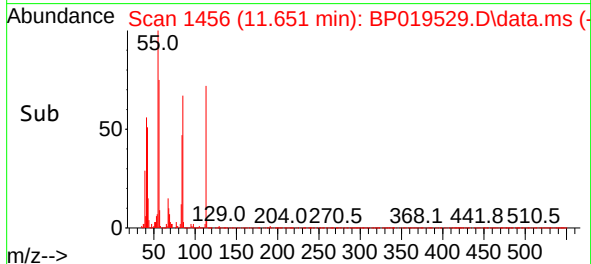
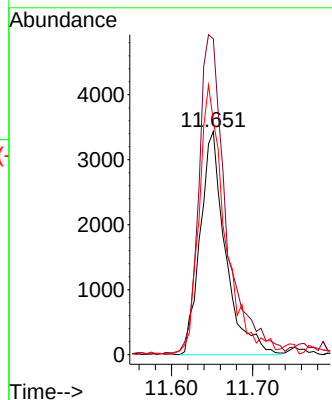
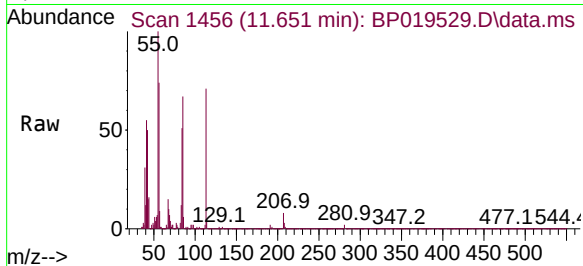




#35
Caprolactam
Concen: 4.514 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.023 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

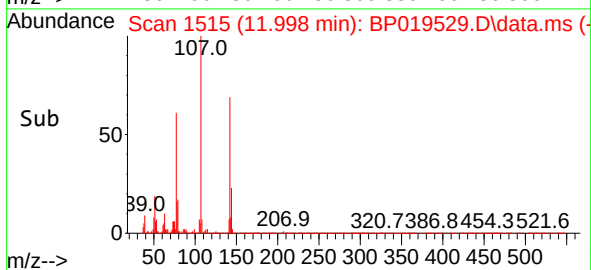
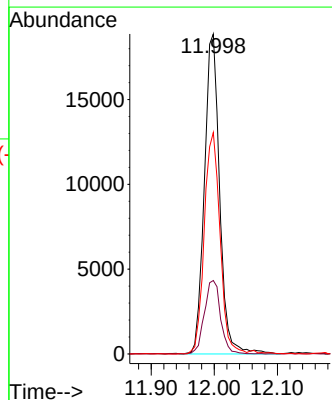
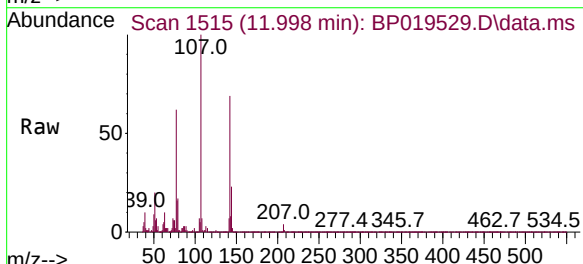
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

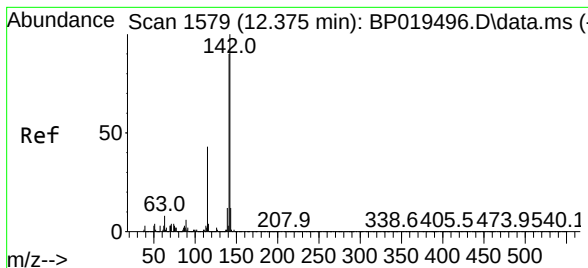
Tgt Ion	Ratio	Lower	Upper
113	100		
55	141.5	120.0	160.0
56	104.6	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 4.996 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.0	28.4
142	69.2	58.6	88.0

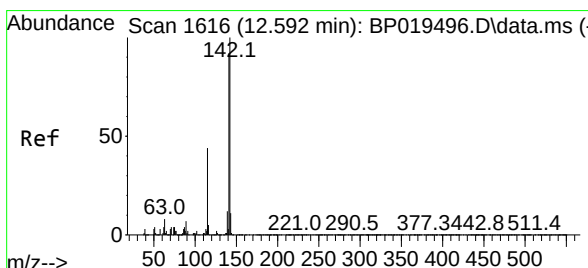
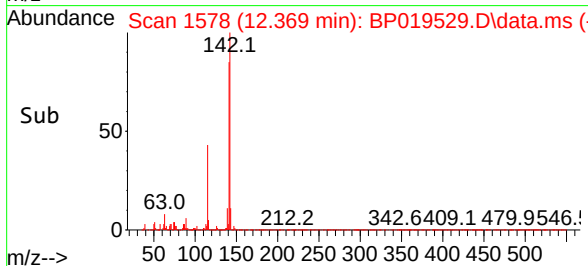
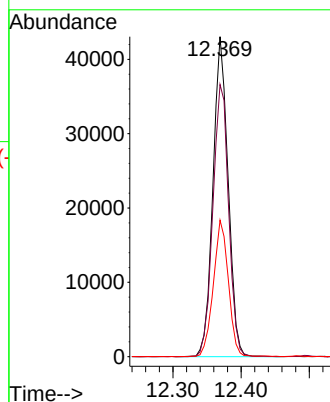
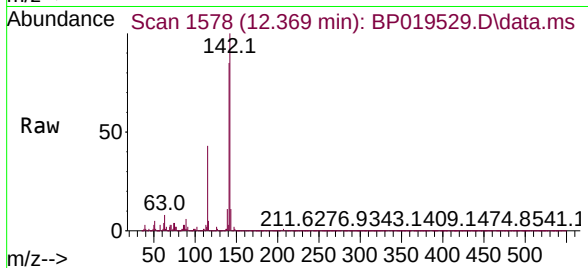




#37
2-Methylnaphthalene
Concen: 5.152 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

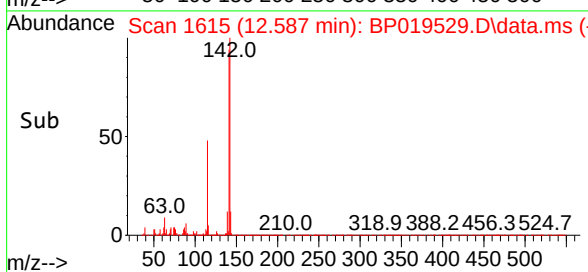
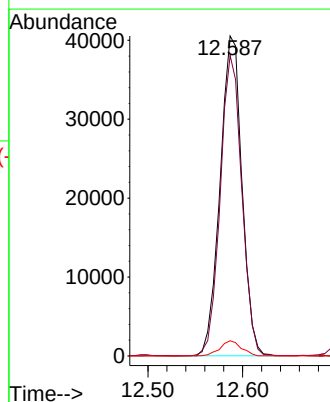
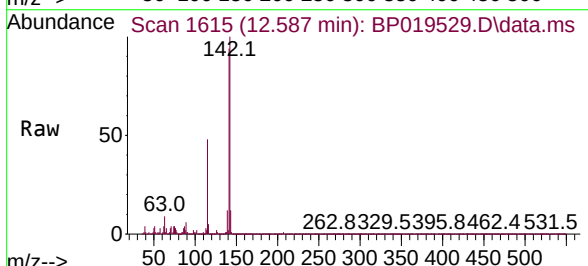
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

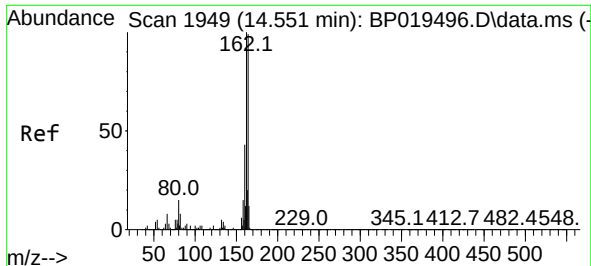
Tgt Ion:142 Resp: 66453
Ion Ratio Lower Upper
142 100
141 85.1 72.2 108.4
115 42.7 34.2 51.2



#38
1-Methylnaphthalene
Concen: 5.140 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:142 Resp: 65146
Ion Ratio Lower Upper
142 100
141 93.9 74.0 111.0
116 4.7 3.7 5.5

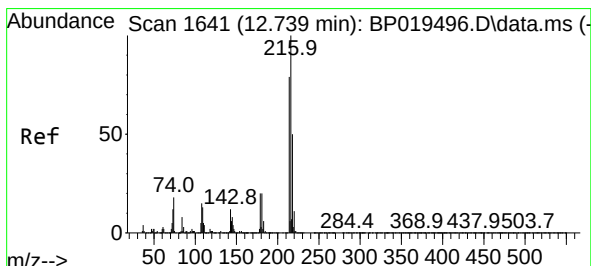
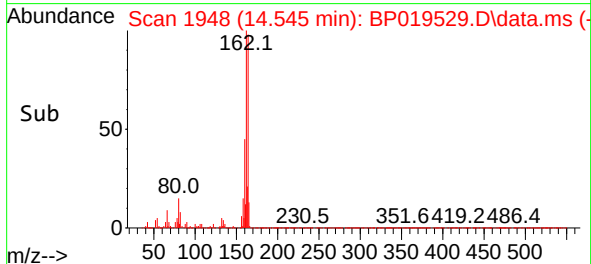
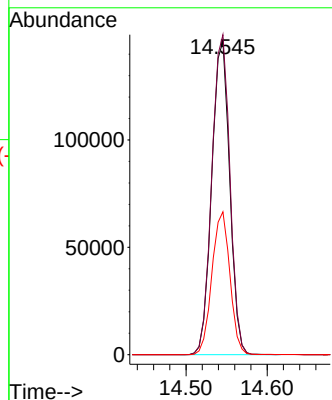
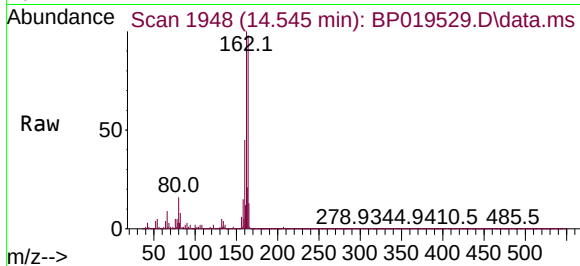




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

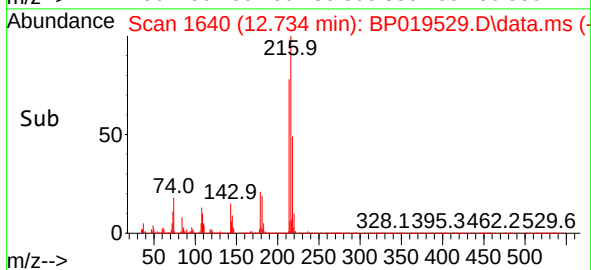
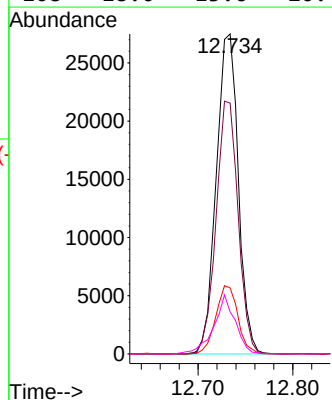
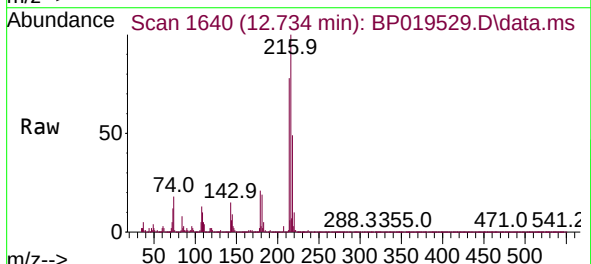
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

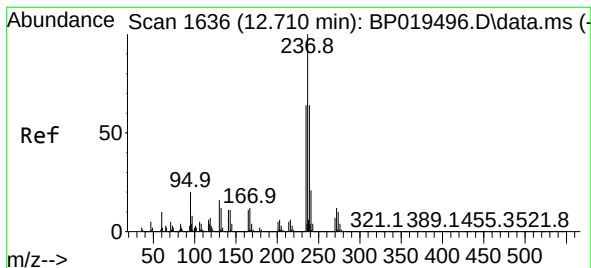
Tgt Ion:164 Resp: 223501
Ion Ratio Lower Upper
164 100
162 102.1 81.2 121.8
160 45.6 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.159 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:216 Resp: 44466
Ion Ratio Lower Upper
216 100
214 79.0 62.8 94.2
179 21.3 16.6 24.8
108 18.0 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 5.935 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

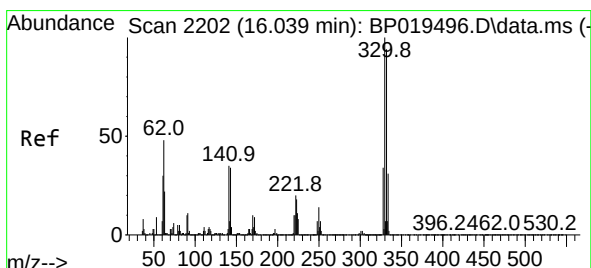
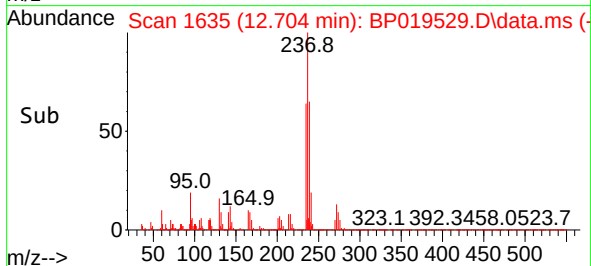
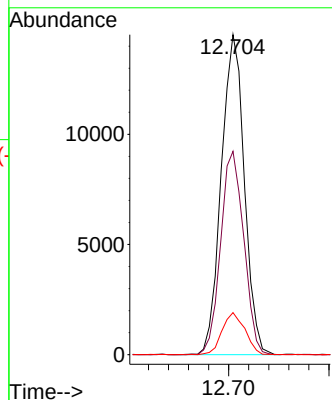
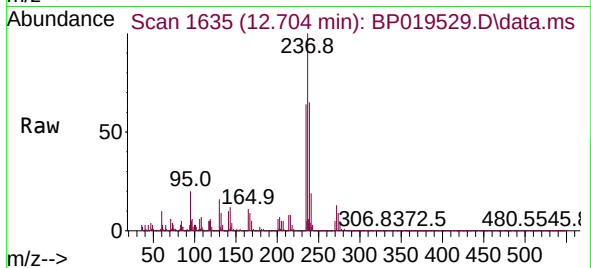
Tgt Ion:237 Resp: 23112

Ion Ratio Lower Upper

237 100

235 63.5 43.7 83.7

272 13.2 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 104.698 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

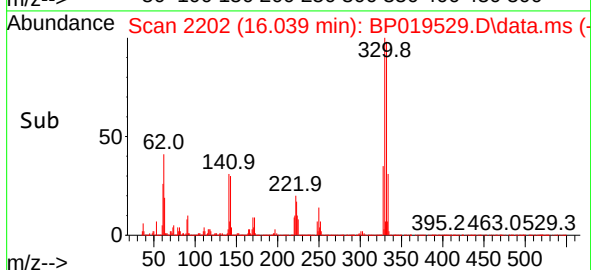
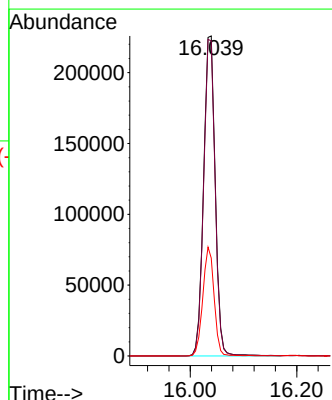
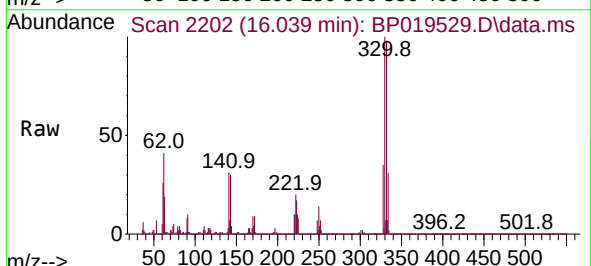
Tgt Ion:330 Resp: 341657

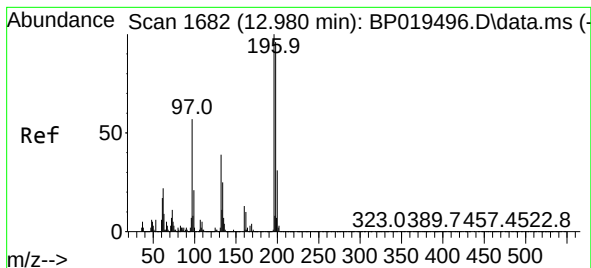
Ion Ratio Lower Upper

330 100

332 97.5 77.2 115.8

141 32.9 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 4.901 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

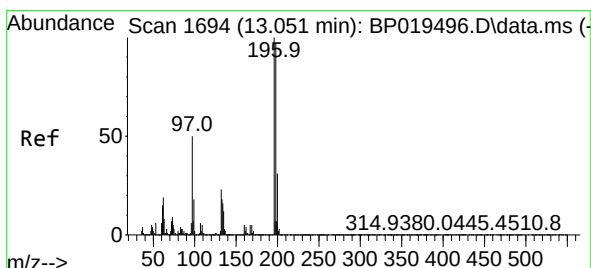
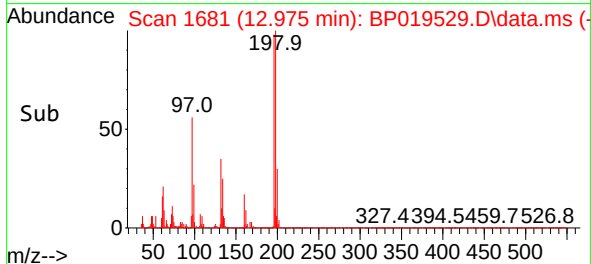
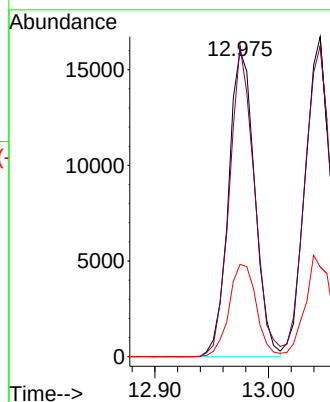
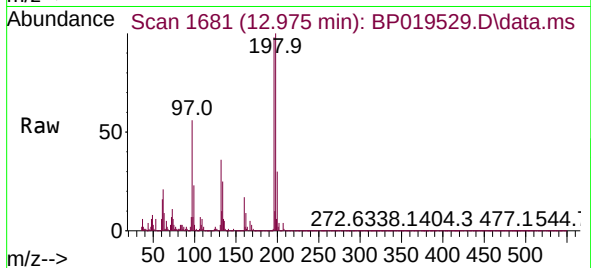
Tgt Ion:196 Resp: 25582

Ion Ratio Lower Upper

196 100

198 101.7 76.7 115.1

200 30.2 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 4.630 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Tgt Ion:196 Resp: 26536

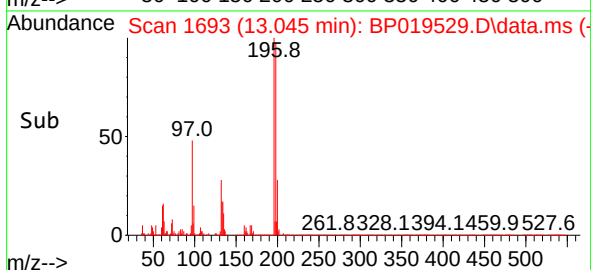
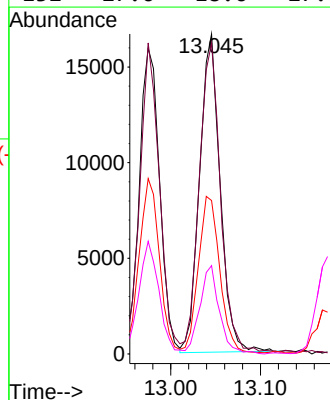
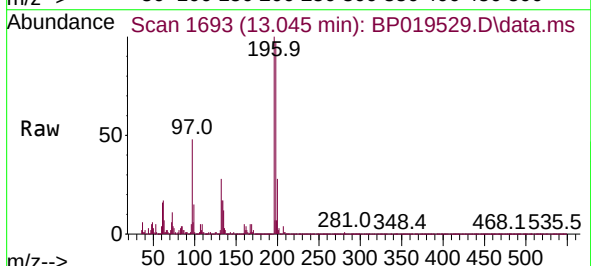
Ion Ratio Lower Upper

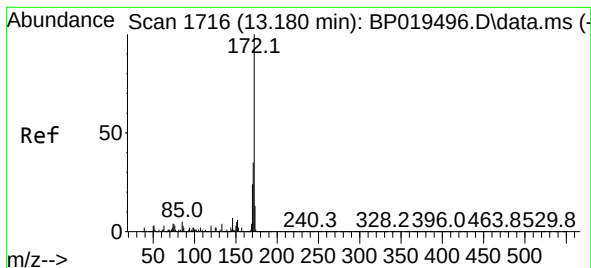
196 100

198 97.2 77.5 116.3

97 47.9 39.9 59.9

132 27.6 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 90.407 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

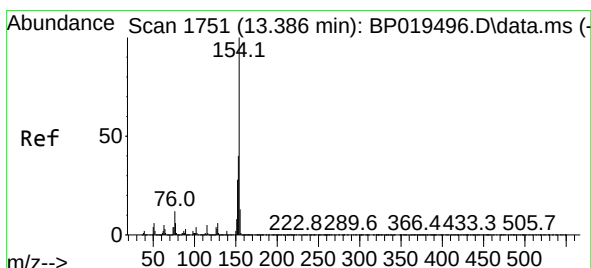
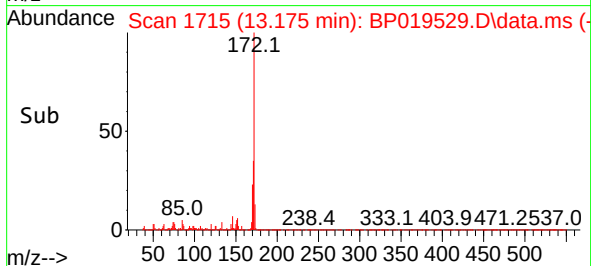
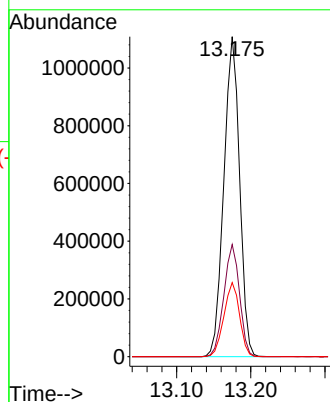
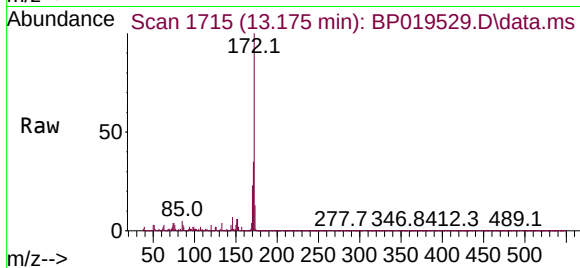
Tgt Ion:172 Resp: 1634485

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.9 28.3



#46

1,1'-Biphenyl

Concen: 5.290 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

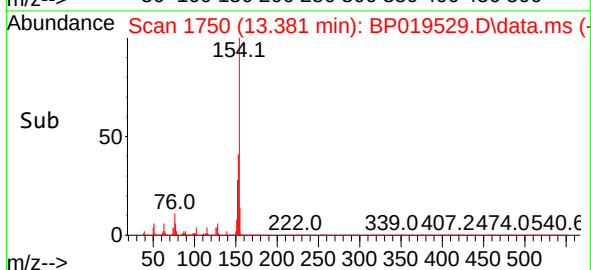
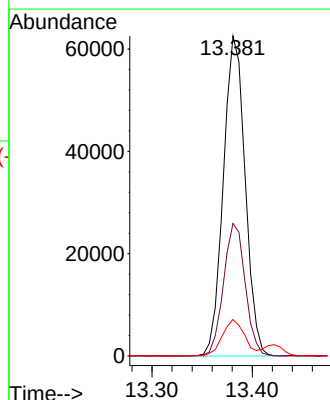
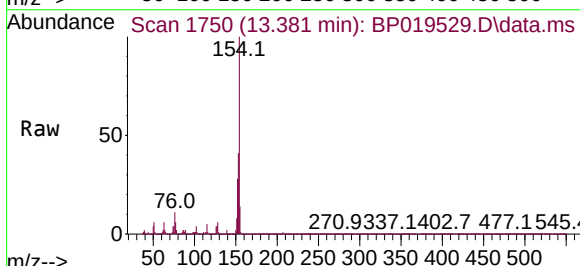
Tgt Ion:154 Resp: 94360

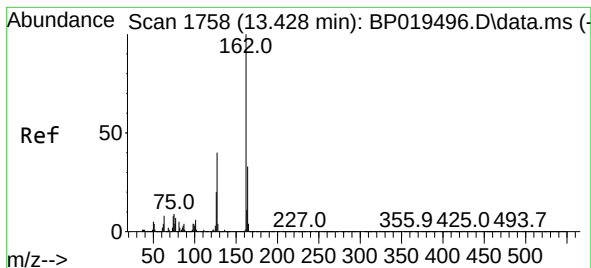
Ion Ratio Lower Upper

154 100

153 41.4 20.2 60.2

76 11.4 0.0 31.6





#47

2-Chloronaphthalene

Concen: 5.051 ng

RT: 13.422 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

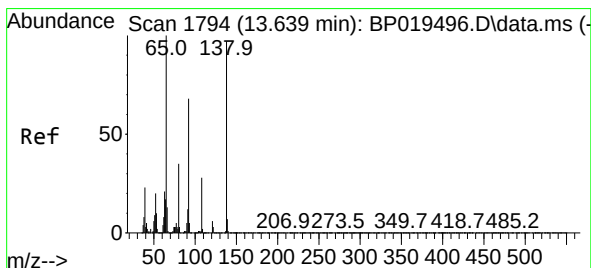
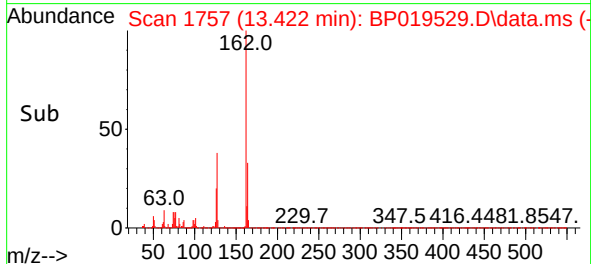
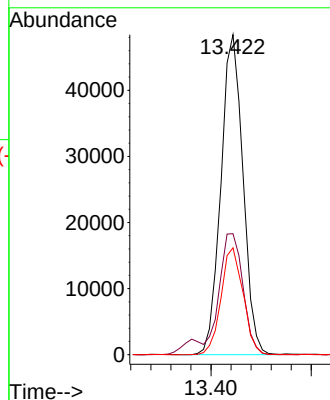
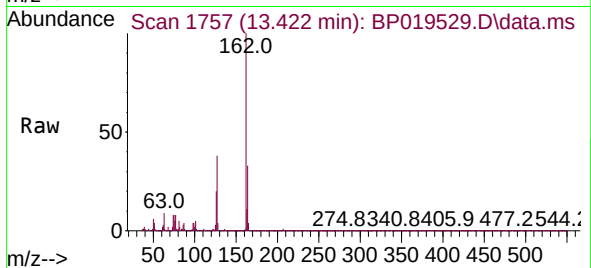
Tgt Ion:162 Resp: 73969

Ion Ratio Lower Upper

162 100

127 37.8 32.1 48.1

164 33.4 26.7 40.1



#48

2-Nitroaniline

Concen: 4.442 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

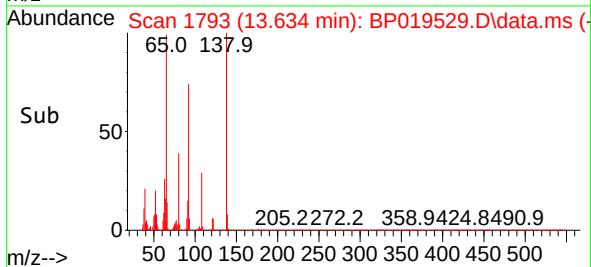
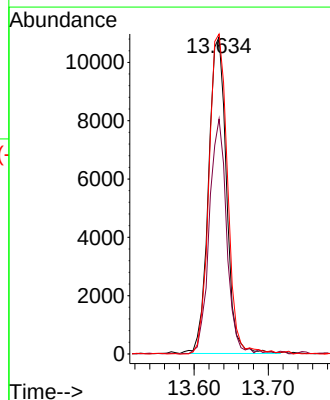
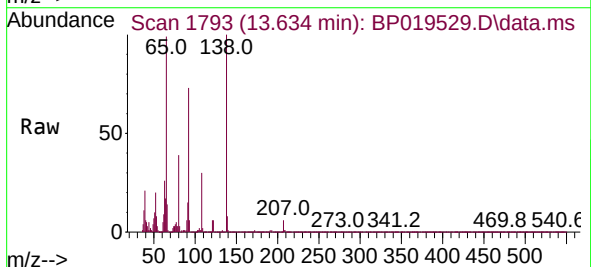
Tgt Ion: 65 Resp: 18187

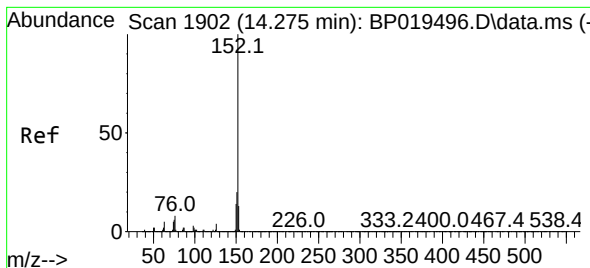
Ion Ratio Lower Upper

65 100

92 74.1 54.7 82.1

138 100.9 77.8 116.6





#49

Acenaphthylene

Concen: 5.516 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

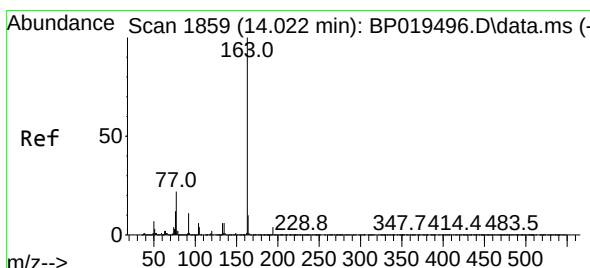
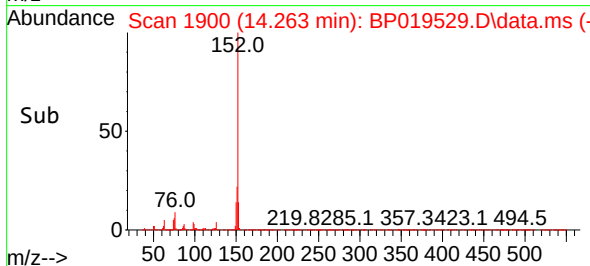
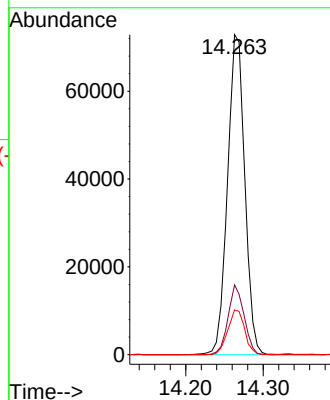
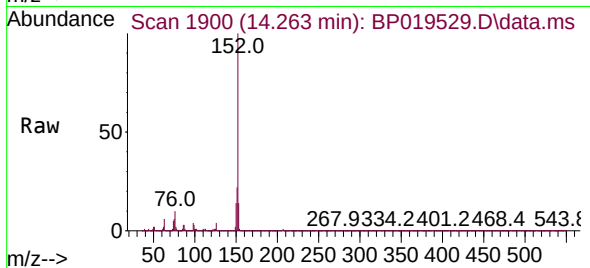
Tgt Ion:152 Resp: 113325

Ion Ratio Lower Upper

152 100

151 21.8 15.8 23.6

153 14.0 10.6 15.8



#50

Dimethylphthalate

Concen: 5.040 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

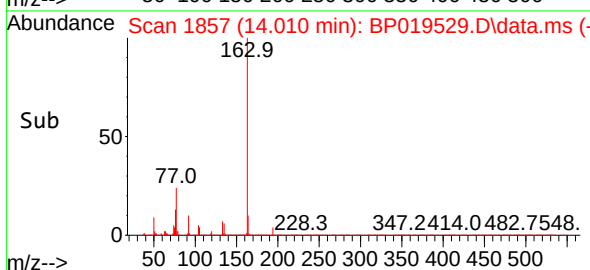
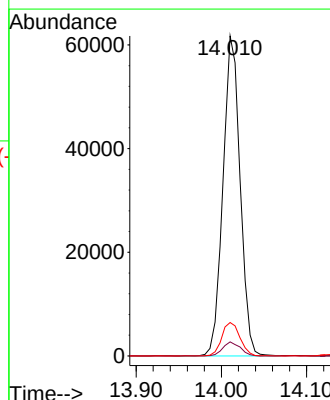
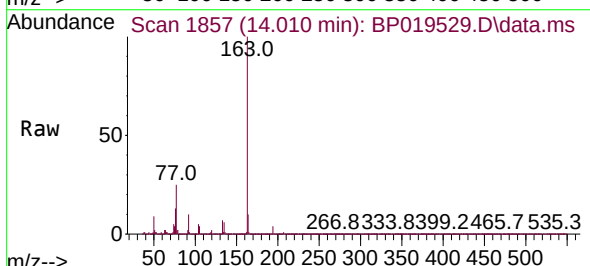
Tgt Ion:163 Resp: 86227

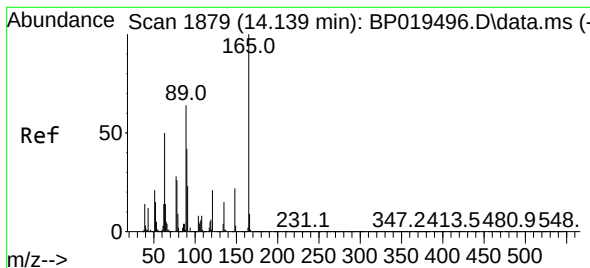
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.4 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 4.739 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

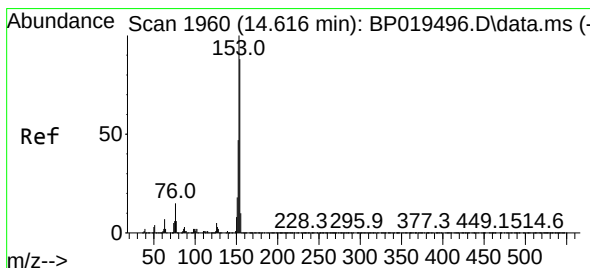
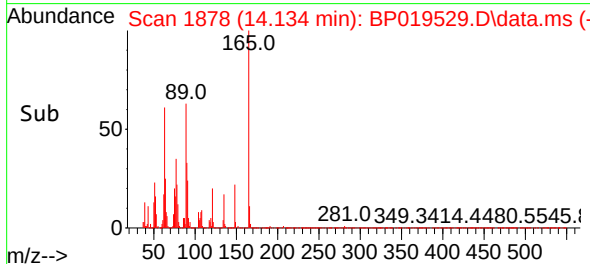
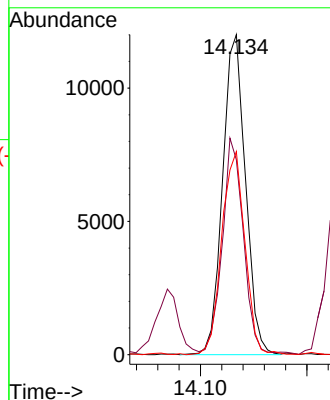
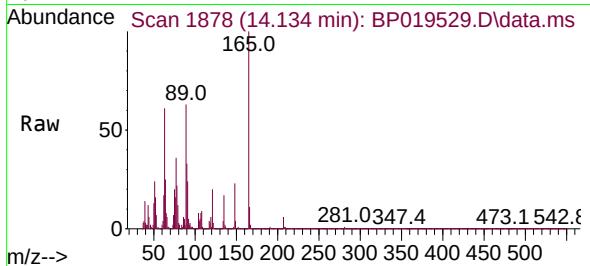
Tgt Ion:165 Resp: 17815

Ion Ratio Lower Upper

165 100

63 60.9 50.4 75.6

89 63.4 51.7 77.5



#52

Acenaphthene

Concen: 5.157 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

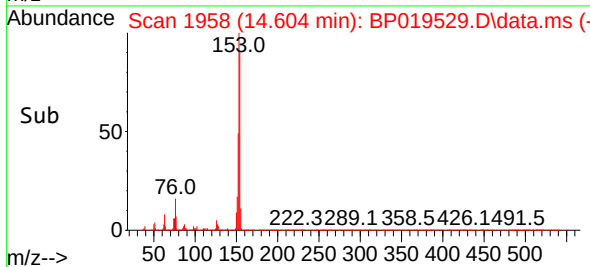
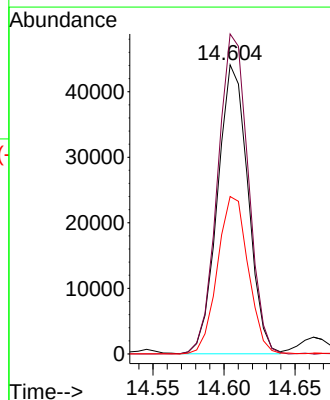
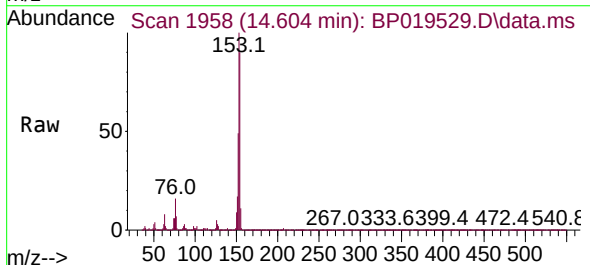
Tgt Ion:154 Resp: 65759

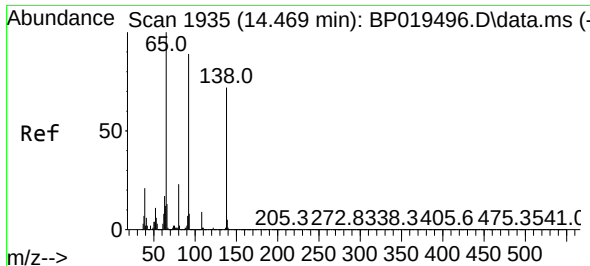
Ion Ratio Lower Upper

154 100

153 110.7 90.5 135.7

152 54.4 42.1 63.1

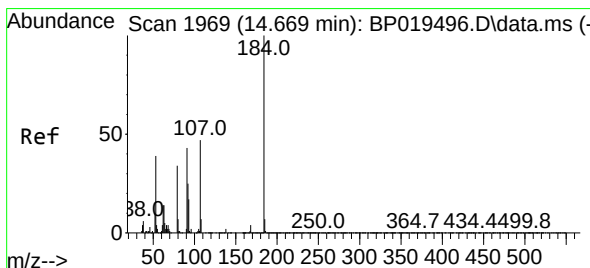
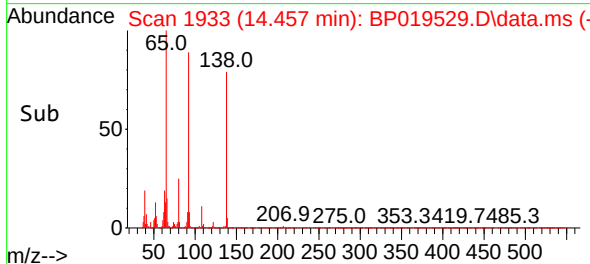
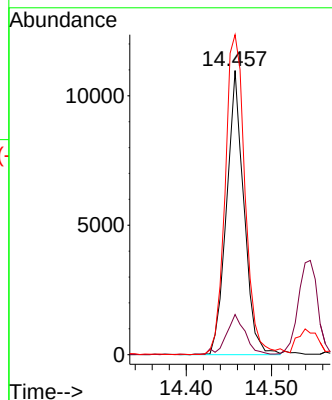
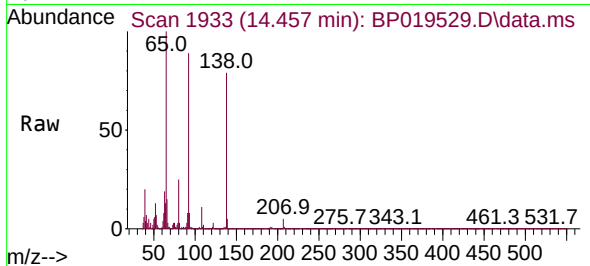




#53
3-Nitroaniline
Concen: 4.494 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

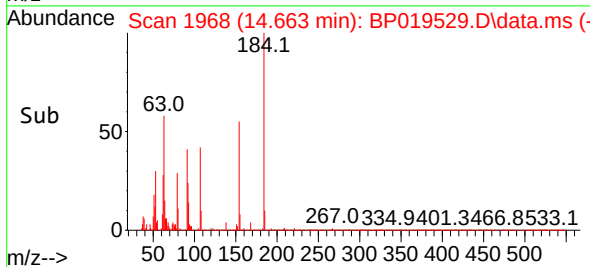
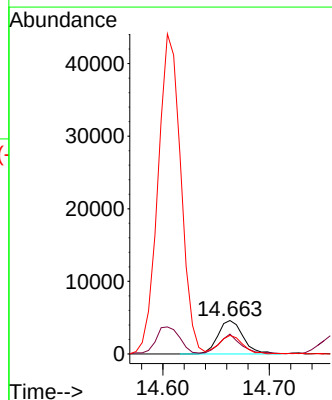
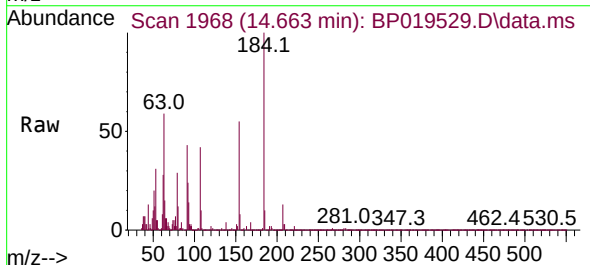
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

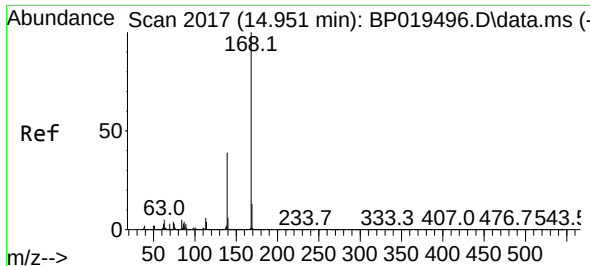
Tgt Ion:138 Resp: 15526
Ion Ratio Lower Upper
138 100
108 14.1 9.7 14.5
92 112.6 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 3.852 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:184 Resp: 7518
Ion Ratio Lower Upper
184 100
63 59.0 50.5 75.7
154 55.4 53.4 80.0

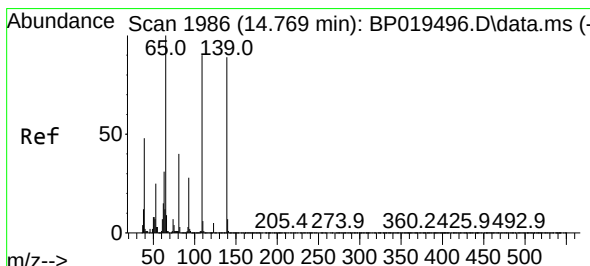
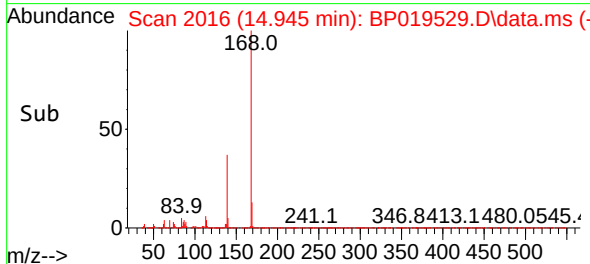
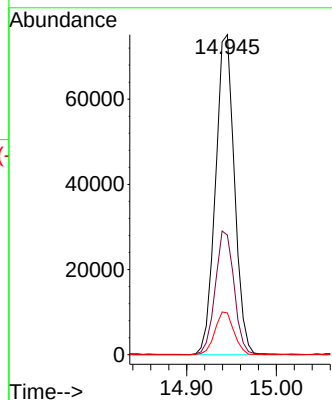
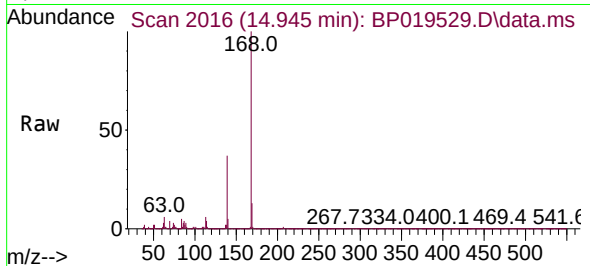




#55
Dibenzofuran
Concen: 5.305 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

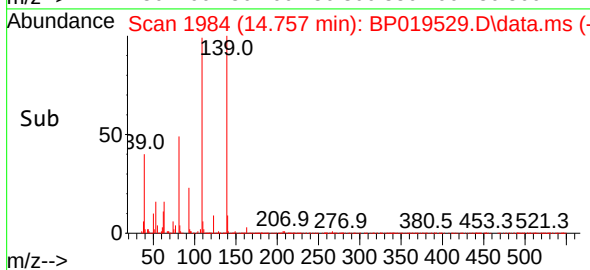
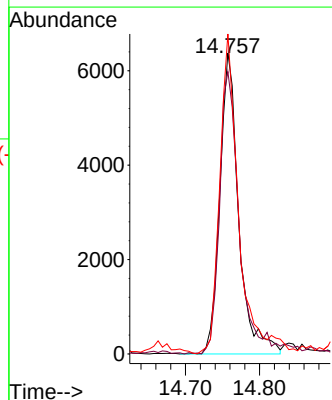
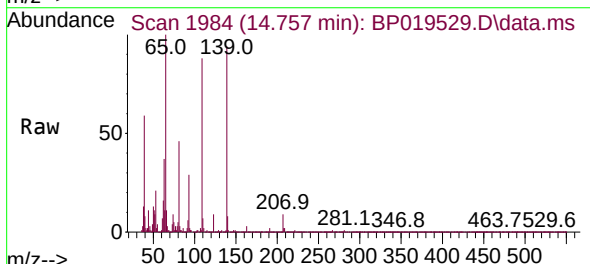
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2024

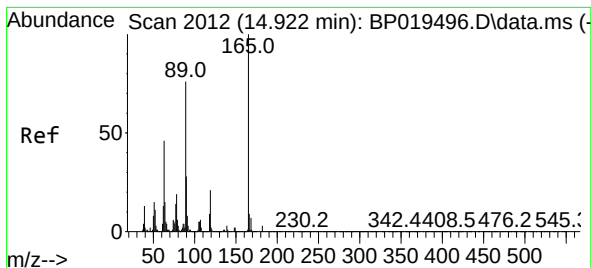
Tgt Ion:	168	Resp:	110160
Ion Ratio	Lower	Upper	
168	100		
139	37.3	31.5	47.3
169	13.1	10.3	15.5



#56
4-Nitrophenol
Concen: 3.984 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:	139	Resp:	11281
Ion Ratio	Lower	Upper	
139	100		
109	93.8	82.0	122.0
65	106.3	92.9	132.9





#57

2,4-Dinitrotoluene

Concen: 4.195 ng

RT: 14.916 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP019529.D

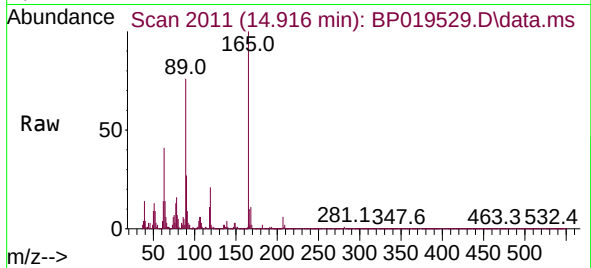
Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:165 Resp: 20667

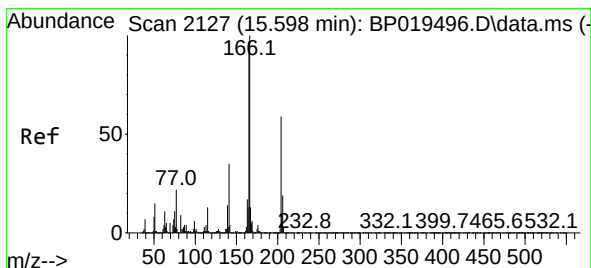
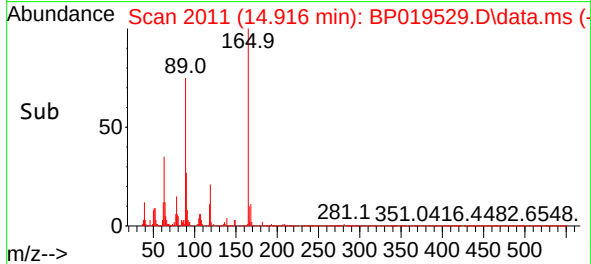
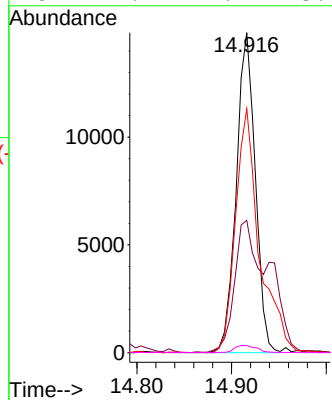
Ion Ratio Lower Upper

165 100

63 41.3 36.9 55.3

89 76.2 61.1 91.7

182 2.2 2.2 3.2



#58

Fluorene

Concen: 5.040 ng

RT: 15.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

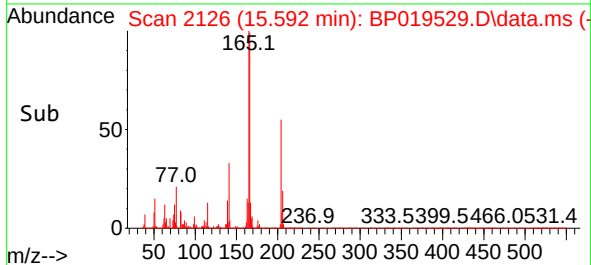
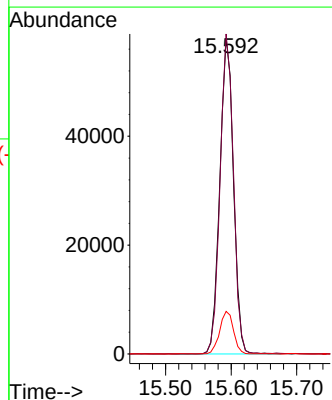
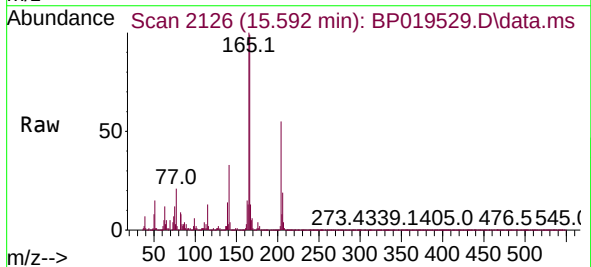
Tgt Ion:166 Resp: 83359

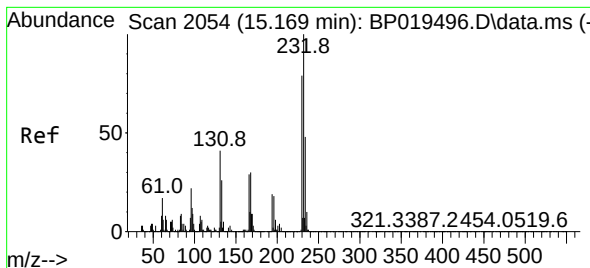
Ion Ratio Lower Upper

166 100

165 101.2 77.8 116.8

167 13.5 10.7 16.1

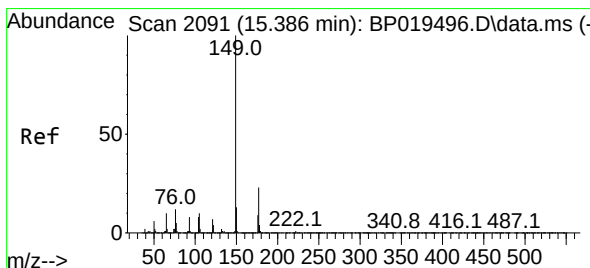
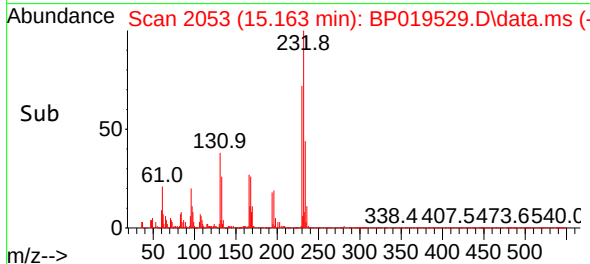
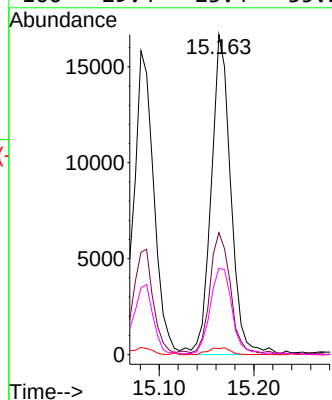
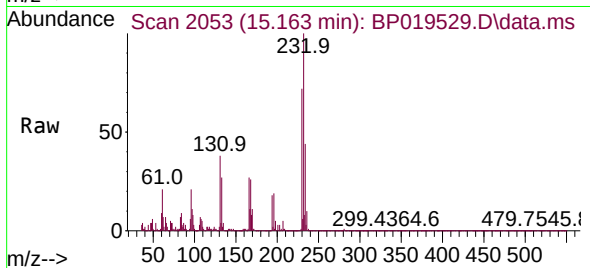




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.972 ng
RT: 15.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

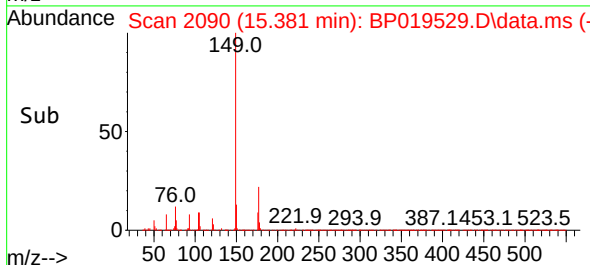
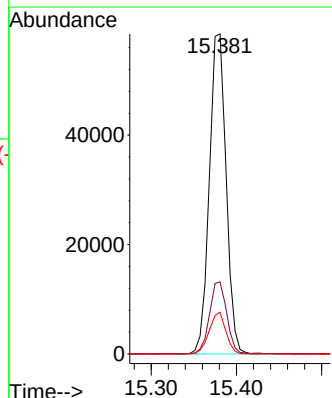
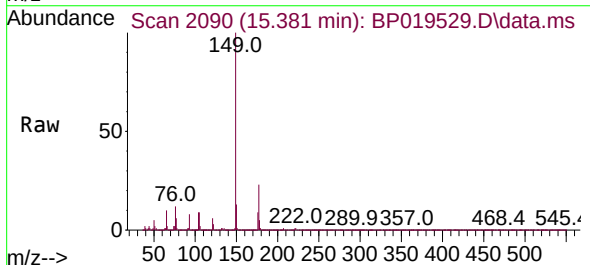
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

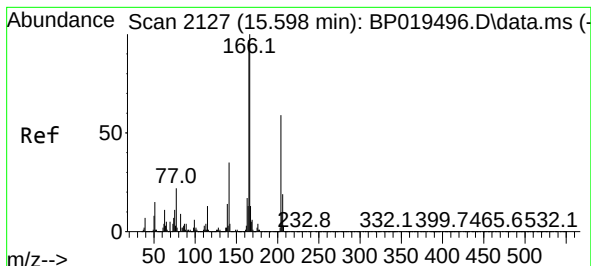
Tgt Ion:	232	Resp:	23969
Ion	Ratio	Lower	Upper
232	100		
131	38.3	32.4	48.6
130	2.4	1.9	2.9
166	29.4	23.4	35.2



#60
Diethylphthalate
Concen: 4.706 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:	149	Resp:	80081
Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.2	27.2
150	13.0	10.2	15.4

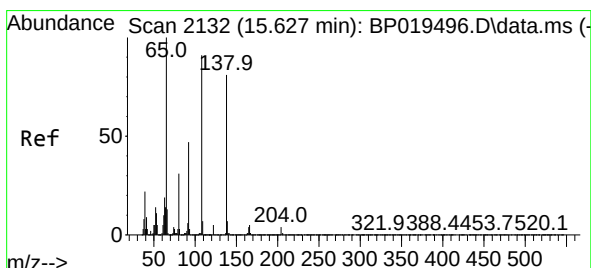
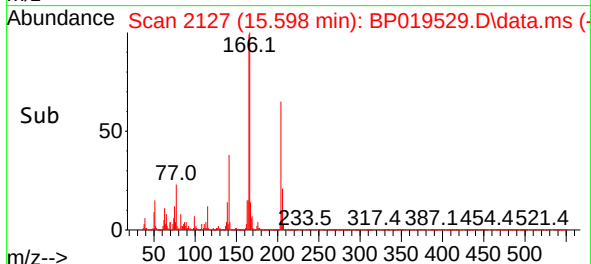
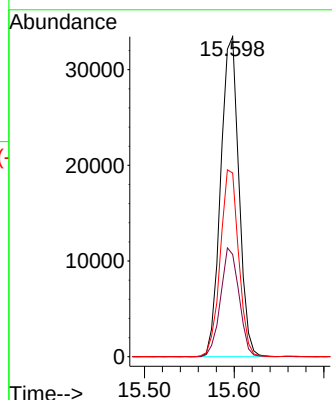
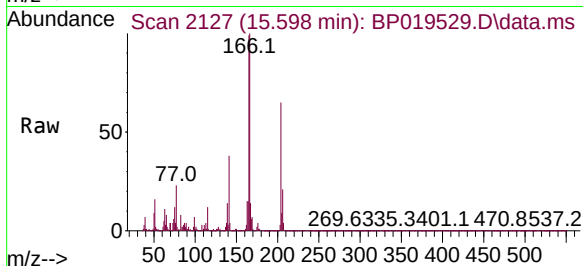




#61
4-Chlorophenyl-phenylether
Concen: 5.059 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

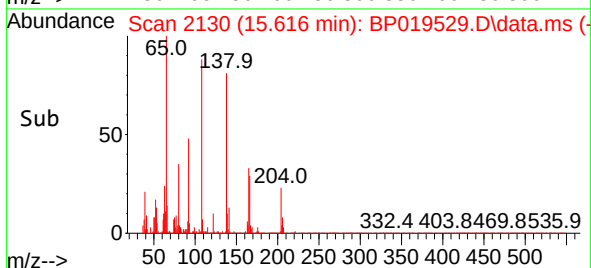
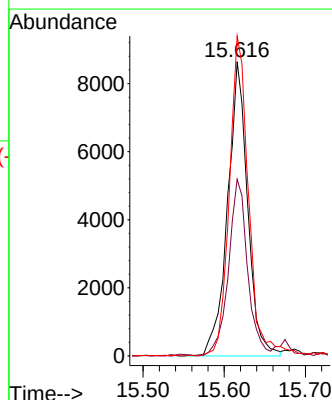
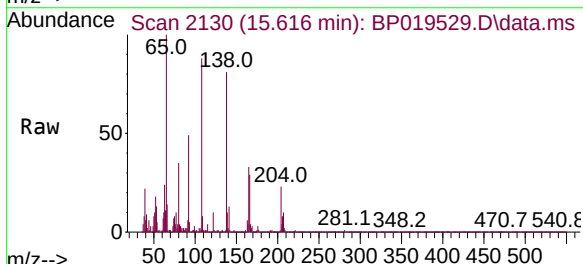
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

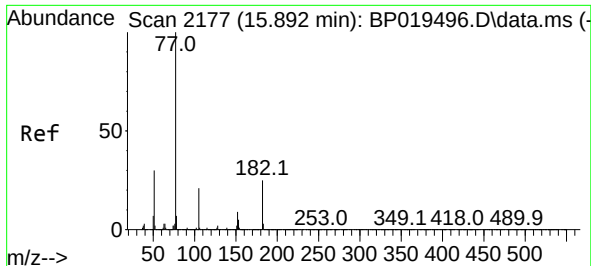
Tgt Ion:204 Resp: 47036
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 57.4 48.5 72.7



#62
4-Nitroaniline
Concen: 4.086 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:138 Resp: 14796
Ion Ratio Lower Upper
138 100
92 60.1 38.3 78.3
108 108.7 91.2 131.2

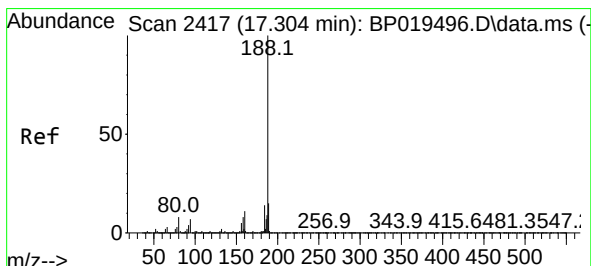
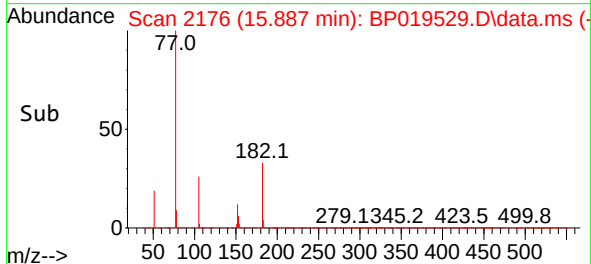
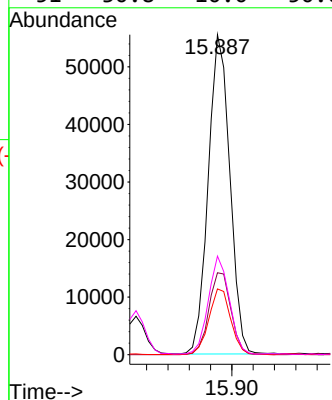
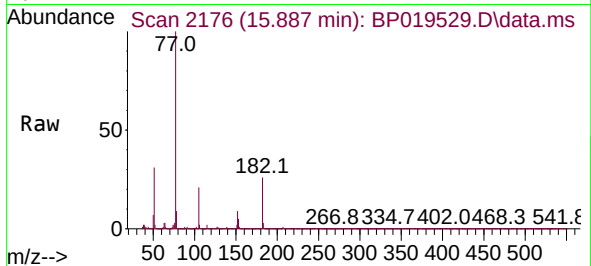




#63
Azobenzene
Concen: 4.748 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

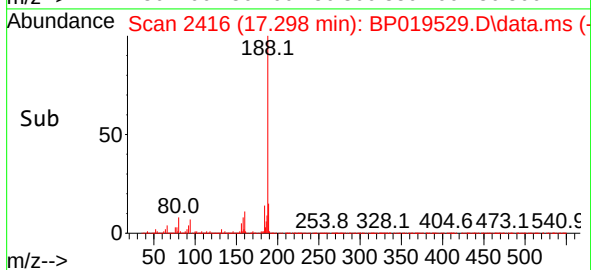
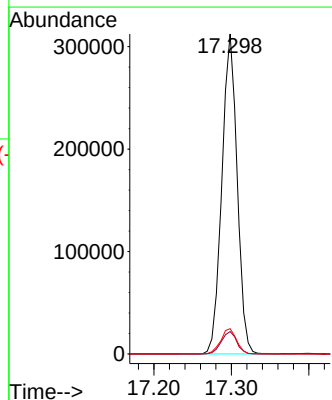
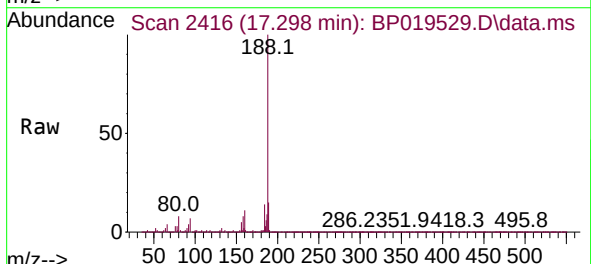
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

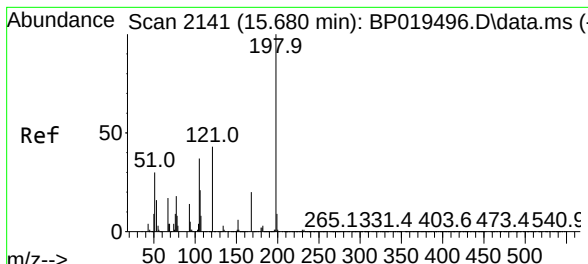
Tgt Ion: 77	Resp: 78139
Ion Ratio	Lower Upper
77 100	
182 25.6	5.1 45.1
105 20.5	0.8 40.8
51 30.8	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:188	Resp: 429059
Ion Ratio	Lower Upper
188 100	
94 7.0	5.4 8.2
80 7.9	6.3 9.5

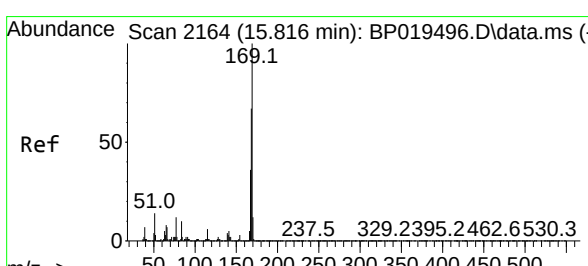
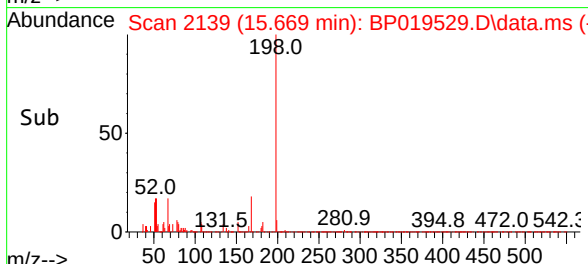
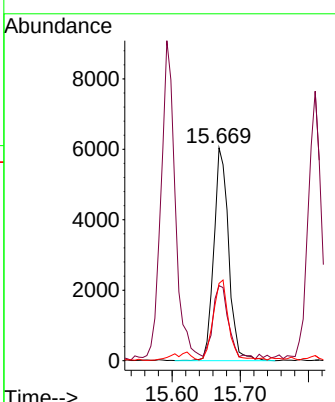
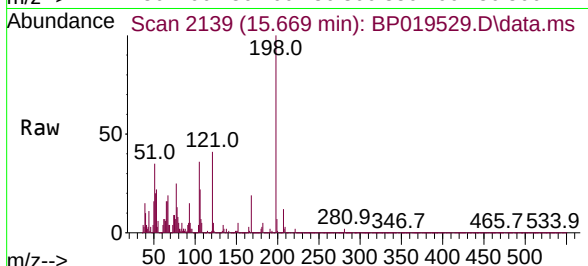




#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.722 ng
 RT: 15.669 min Scan# 2141
 Delta R.T. -0.011 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

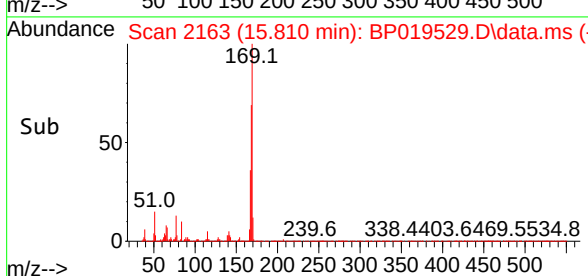
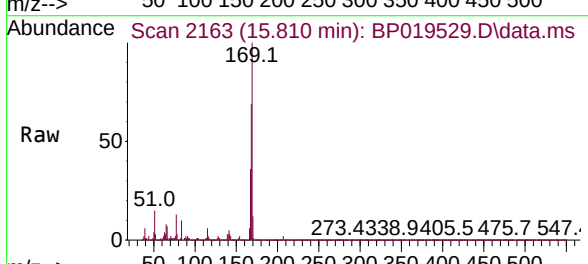
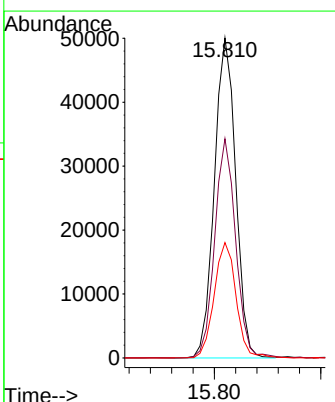
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT1-2024

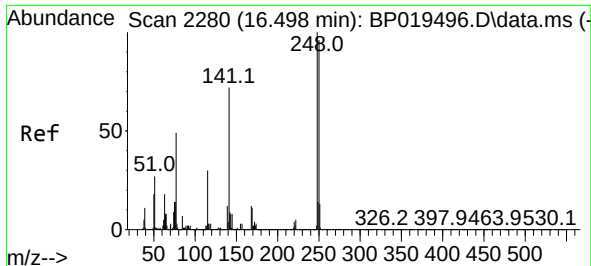
Tgt Ion:	198	Resp:	9106
Ion Ratio	Lower	Upper	
198	100		
51	35.3	21.2	61.2
105	36.3	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 5.397 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

Tgt Ion:	169	Resp:	69349
Ion Ratio	Lower	Upper	
169	100		
168	68.5	53.4	80.2
167	36.1	28.9	43.3

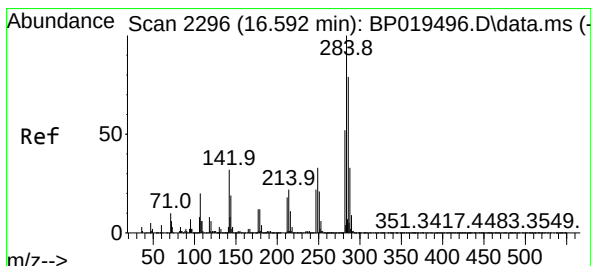
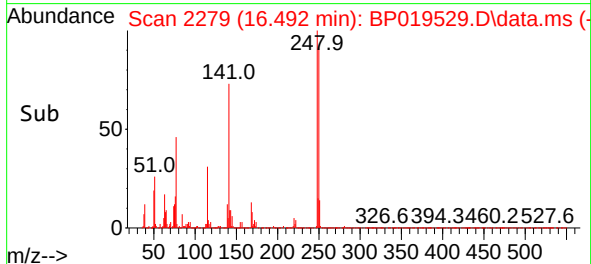
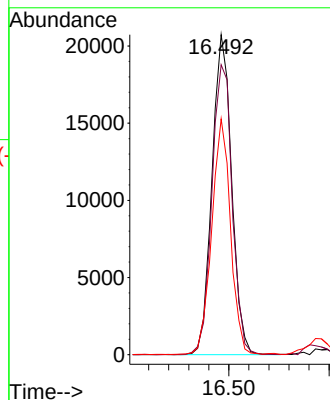
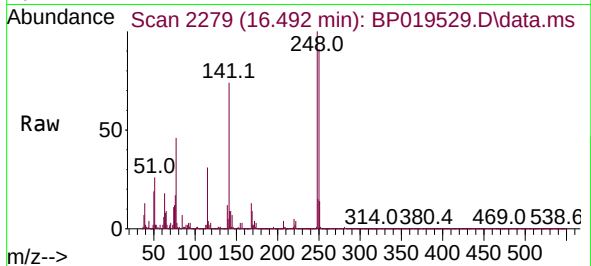




#67
4-Bromophenyl-phenylether
Concen: 5.253 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

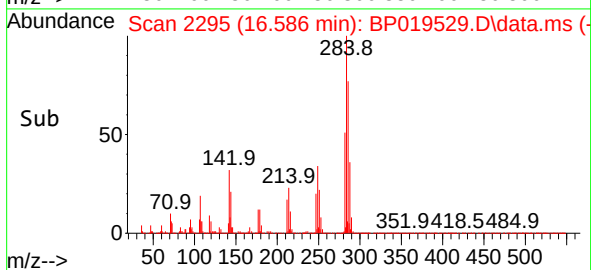
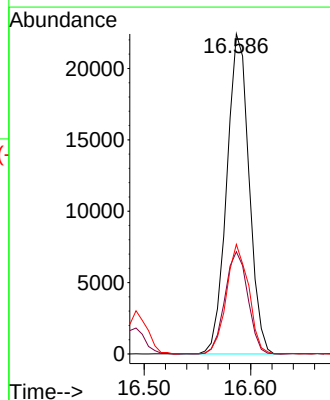
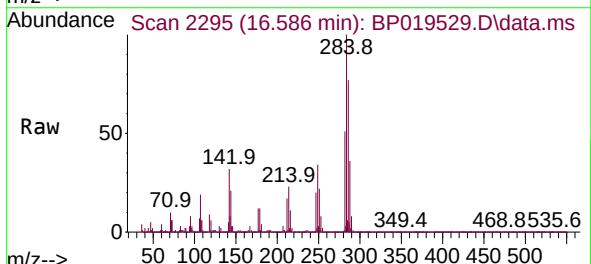
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

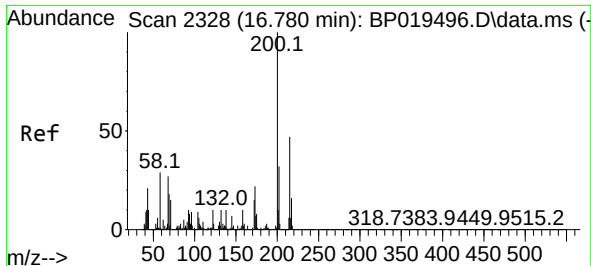
Tgt Ion:248 Resp: 28175
Ion Ratio Lower Upper
248 100
250 90.6 76.9 115.3
141 73.7 58.0 87.0



#68
Hexachlorobenzene
Concen: 5.196 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:284 Resp: 32544
Ion Ratio Lower Upper
284 100
142 32.0 25.4 38.2
249 34.3 26.5 39.7

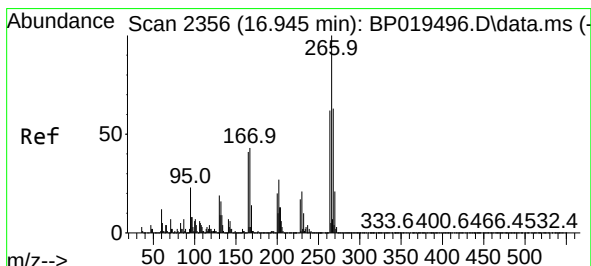
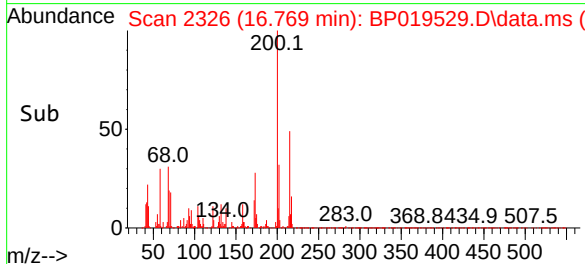
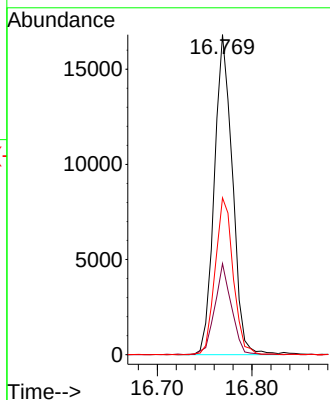
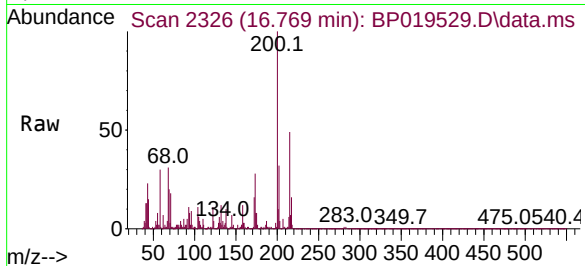




#69
Atrazine
Concen: 5.244 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

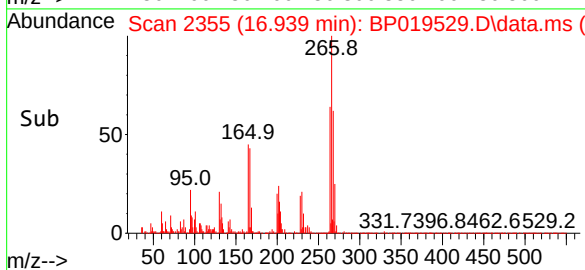
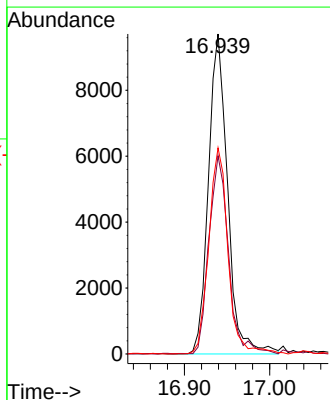
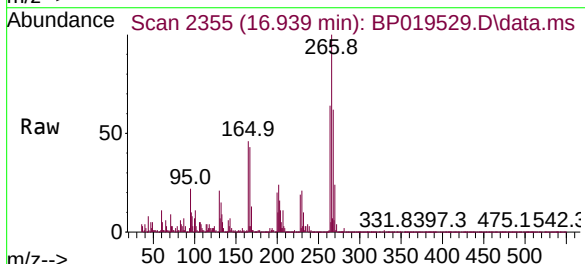
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

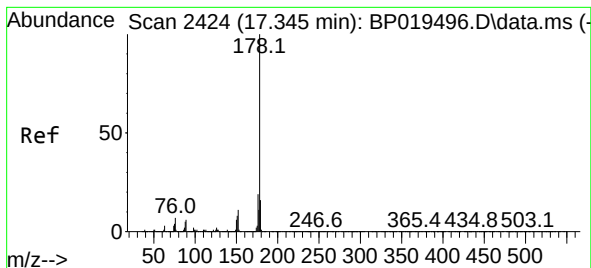
Tgt Ion:200 Resp: 22359
Ion Ratio Lower Upper
200 100
173 28.4 1.7 41.7
215 49.0 26.9 66.9



#70
Pentachlorophenol
Concen: 3.883 ng
RT: 16.939 min Scan# 2355
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:266 Resp: 15148
Ion Ratio Lower Upper
266 100
268 61.9 50.3 75.5
264 64.4 49.7 74.5





#71

Phenanthrene

Concen: 5.346 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

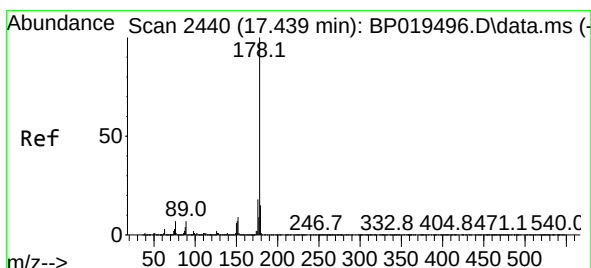
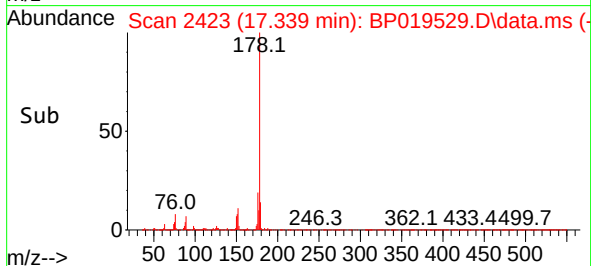
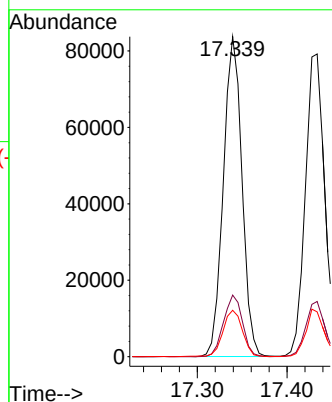
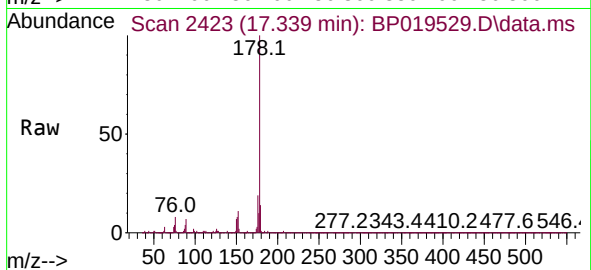
Tgt Ion:178 Resp: 120709

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 14.5 12.6 19.0



#72

Anthracene

Concen: 5.265 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

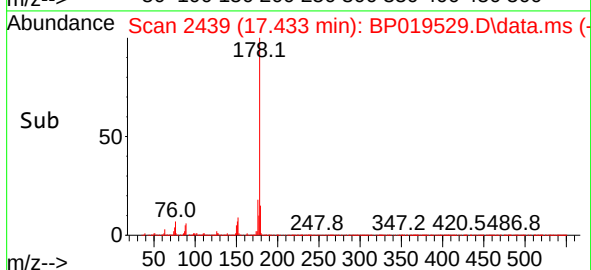
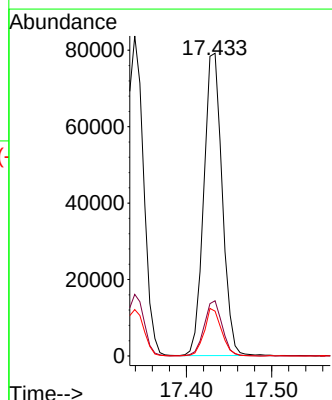
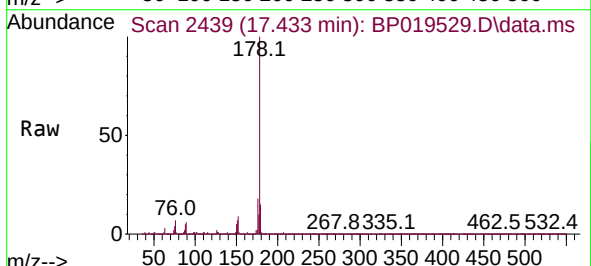
Tgt Ion:178 Resp: 118596

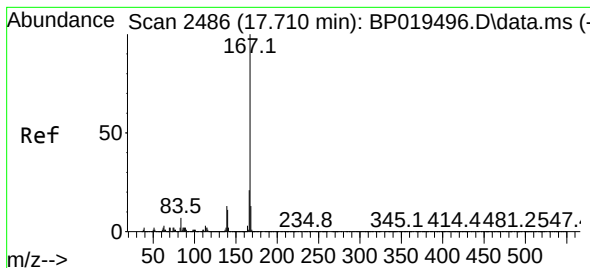
Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 14.8 12.2 18.2





#73

Carbazole

Concen: 4.611 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

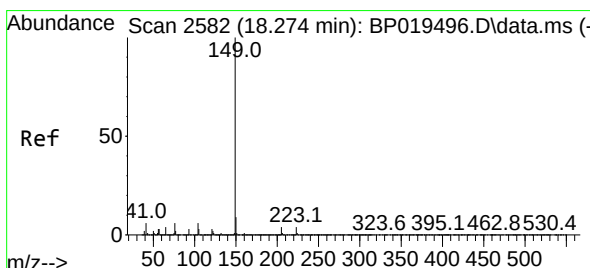
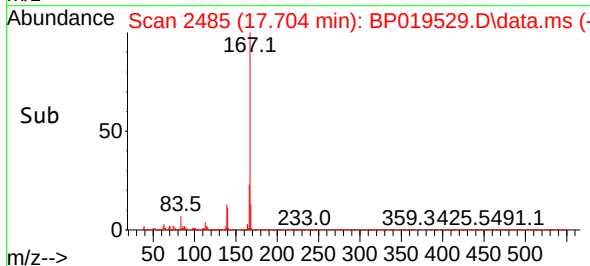
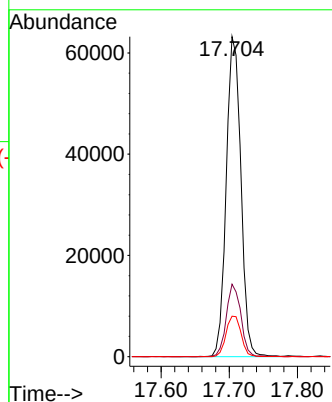
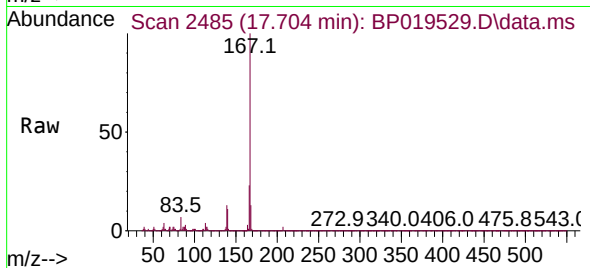
Tgt Ion:167 Resp: 94359

Ion Ratio Lower Upper

167 100

166 22.6 17.2 25.8

139 12.7 10.6 15.8



#74

Di-n-butylphthalate

Concen: 4.003 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

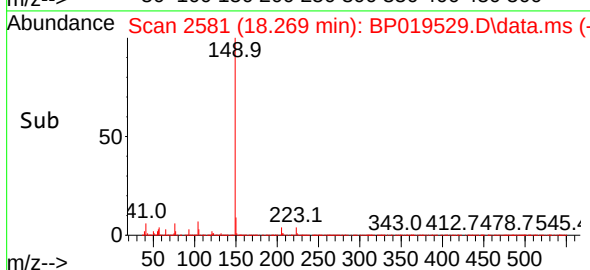
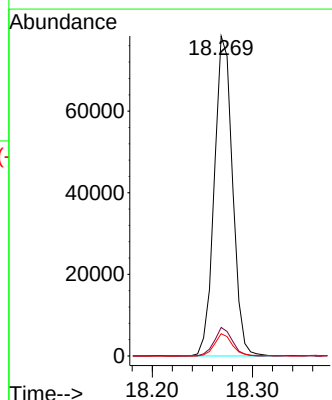
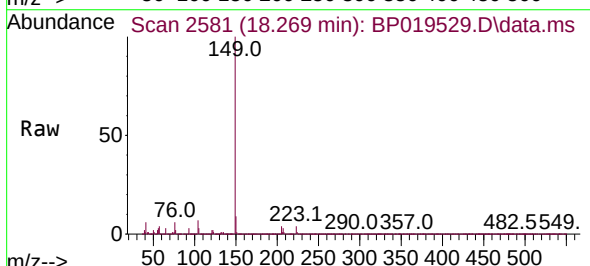
Tgt Ion:149 Resp: 99037

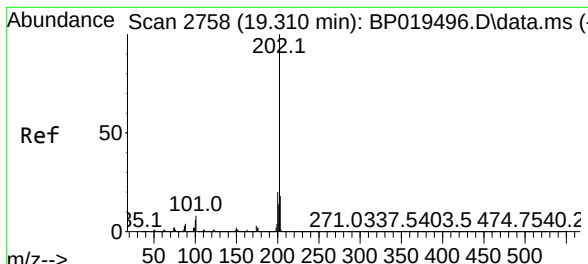
Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

104 6.9 4.8 7.2

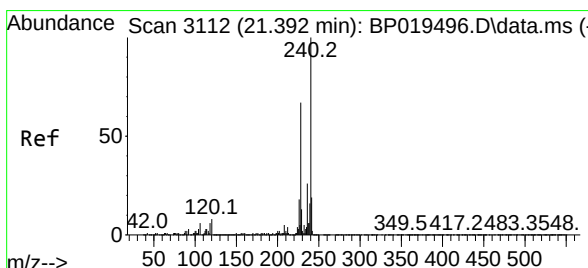
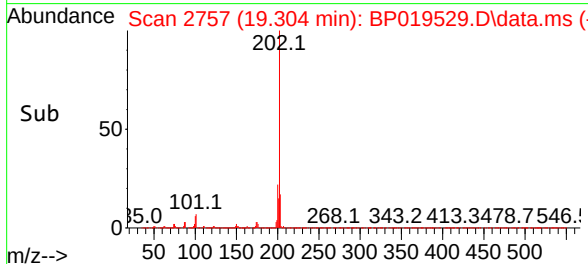
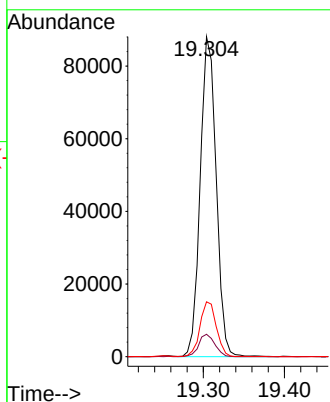
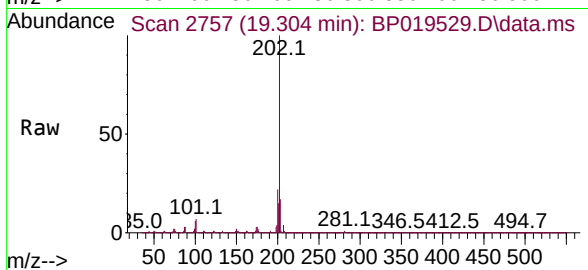




#75
 Fluoranthene
 Concen: 4.363 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

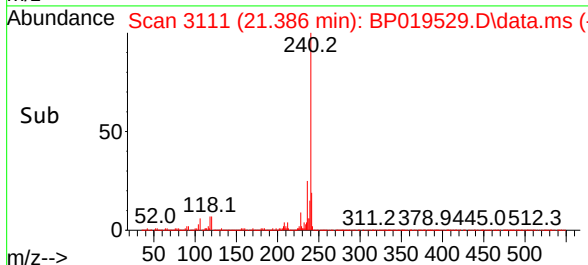
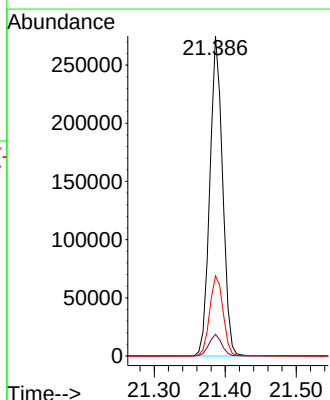
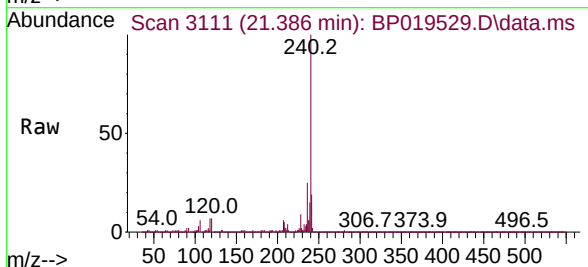
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

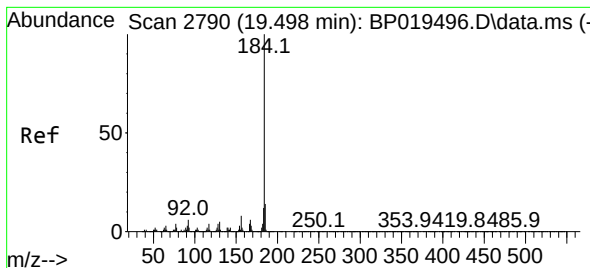
Tgt Ion:	202	Resp:	120338
Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	27.7
203	17.2	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019529.D
 Acq: 02 Feb 2024 15:38

Tgt Ion:	240	Resp:	343813
Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.1	9.1
236	25.1	20.7	31.1





#77

Benzidine

Concen: 7.761 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

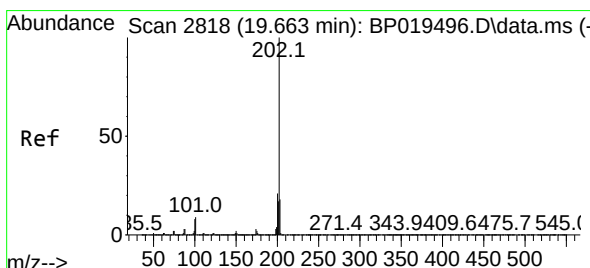
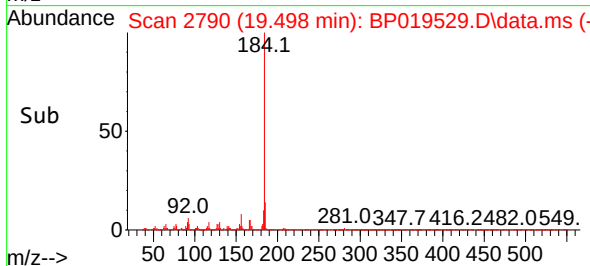
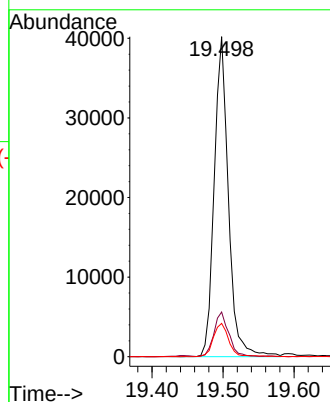
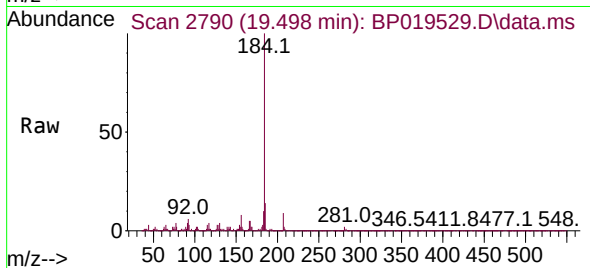
Tgt Ion:184 Resp: 55784

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

183 10.4 9.7 14.5



#78

Pyrene

Concen: 5.122 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

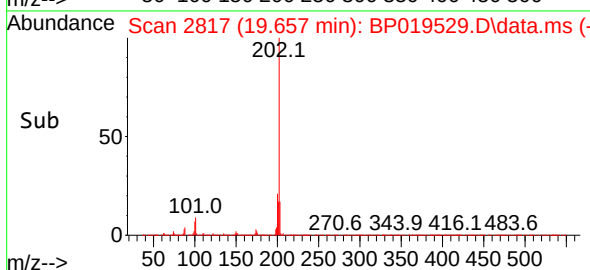
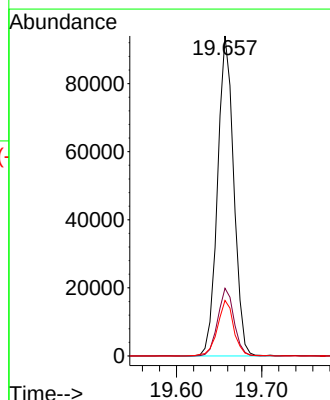
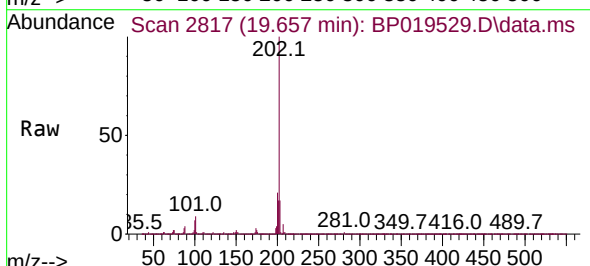
Tgt Ion:202 Resp: 124280

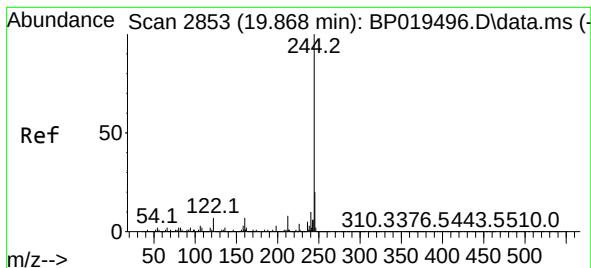
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 89.668 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

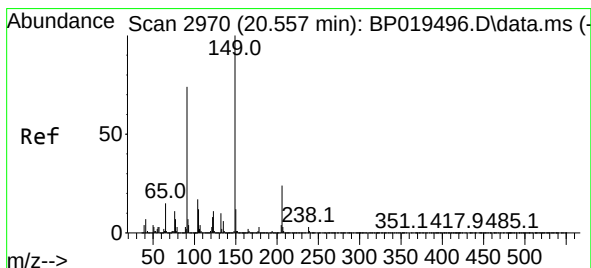
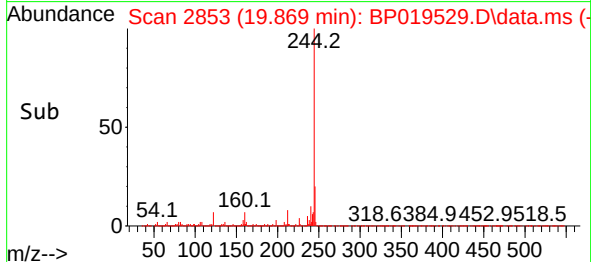
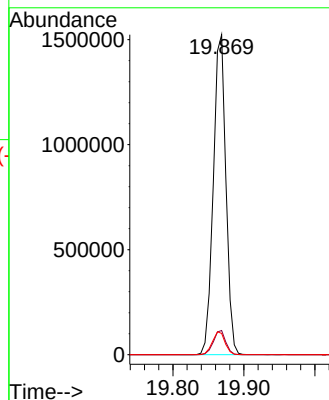
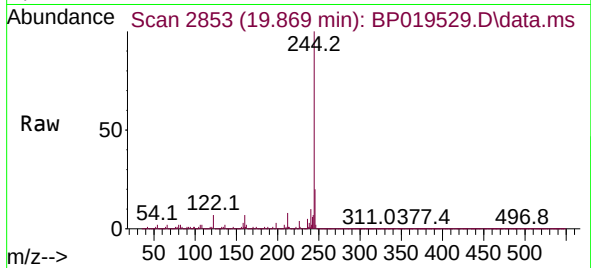
Tgt Ion:244 Resp: 1874624

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 6.7 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.955 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

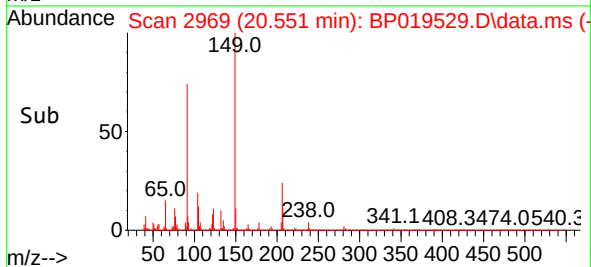
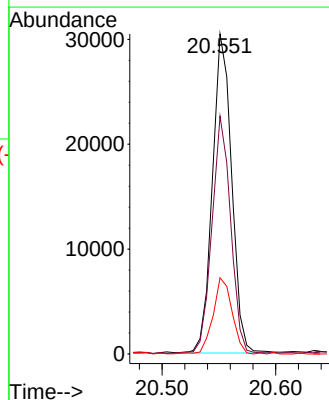
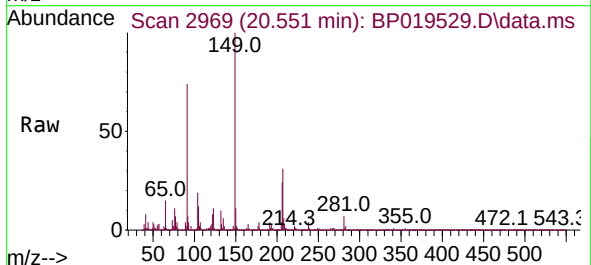
Tgt Ion:149 Resp: 35839

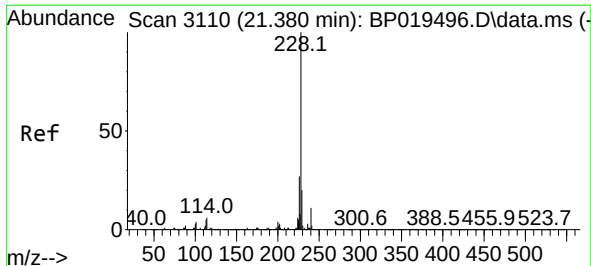
Ion Ratio Lower Upper

149 100

91 74.3 59.4 89.0

206 23.8 19.0 28.6

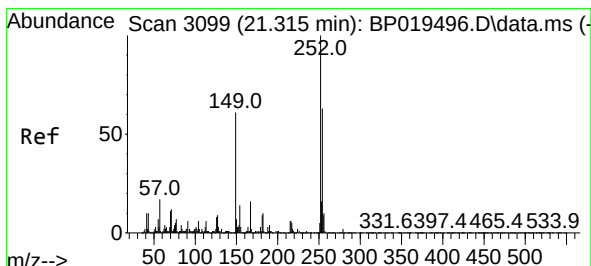
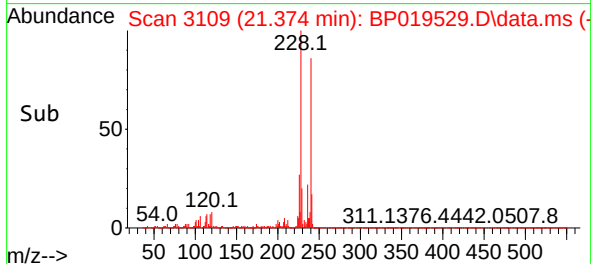
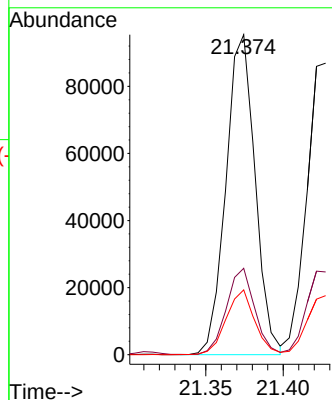
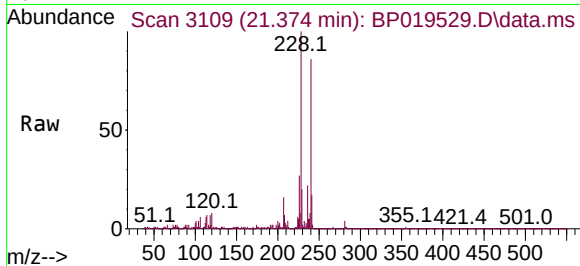




#81
Benzo(a)anthracene
Concen: 5.156 ng
RT: 21.374 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

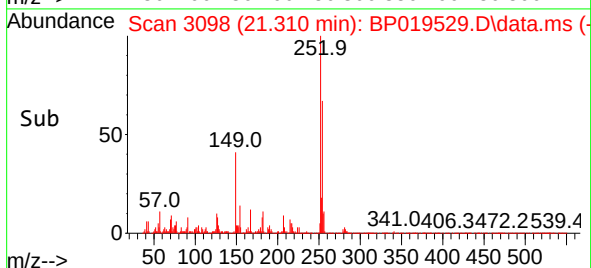
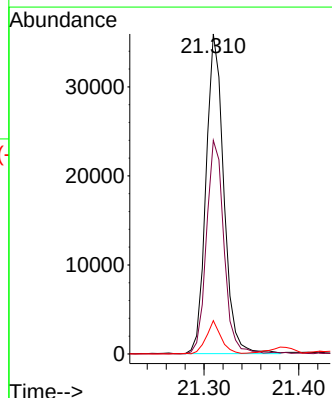
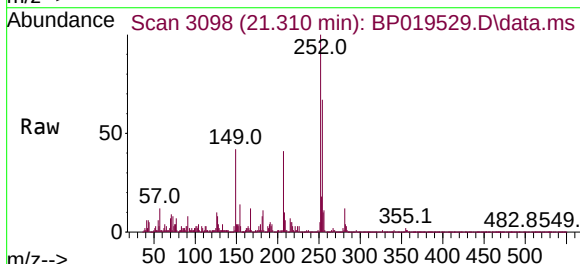
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

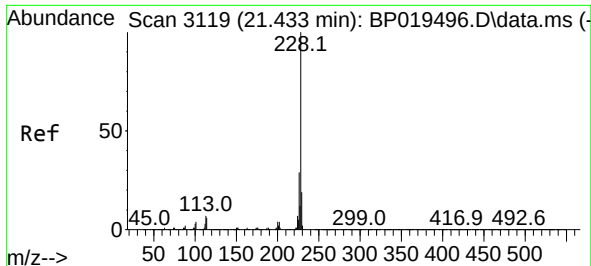
Tgt Ion:228 Resp: 124784
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 5.305 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019529.D
Acq: 02 Feb 2024 15:38

Tgt Ion:252 Resp: 46784
Ion Ratio Lower Upper
252 100
254 66.8 50.7 76.1
126 10.4 6.4 9.6





#83

Chrysene

Concen: 5.050 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

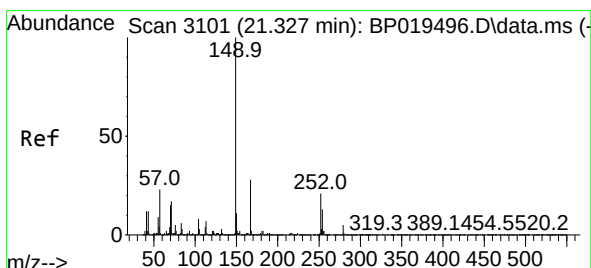
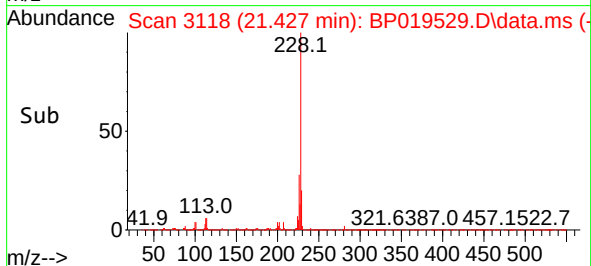
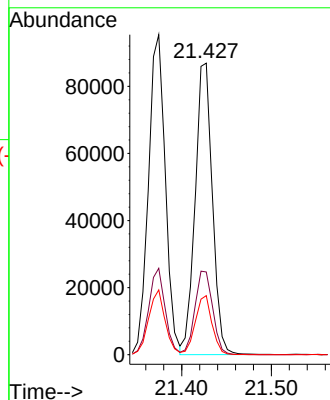
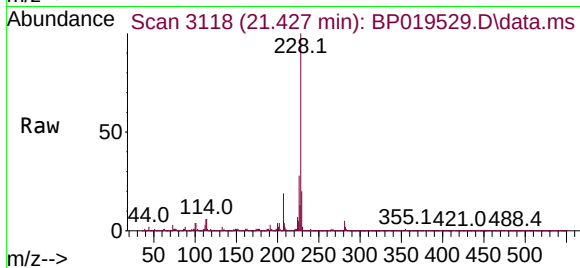
Tgt Ion:228 Resp: 116047

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.065 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

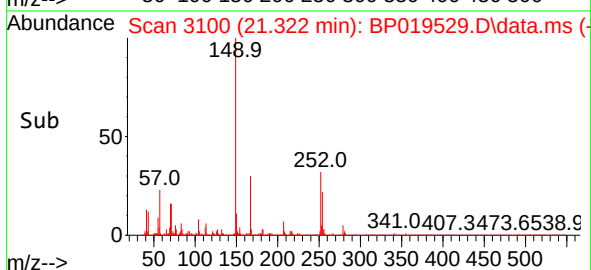
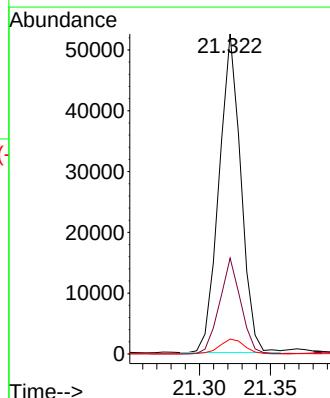
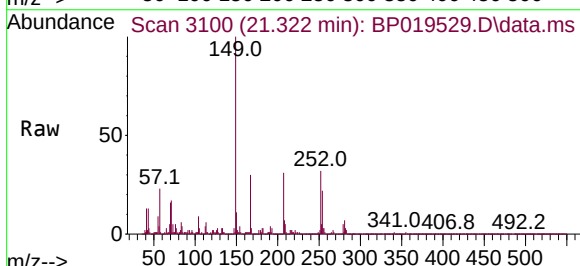
Tgt Ion:149 Resp: 56088

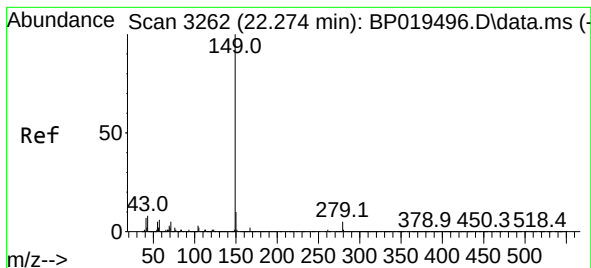
Ion Ratio Lower Upper

149 100

167 29.9 22.7 34.1

279 4.7 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 4.126 ng

RT: 22.269 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

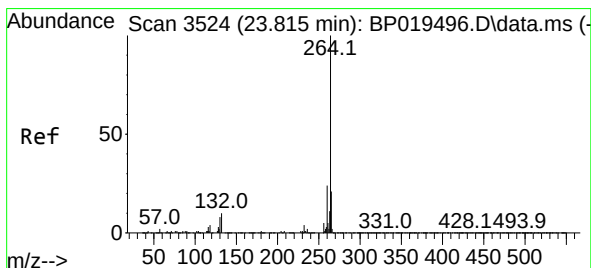
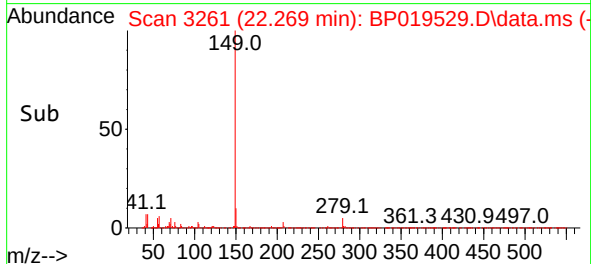
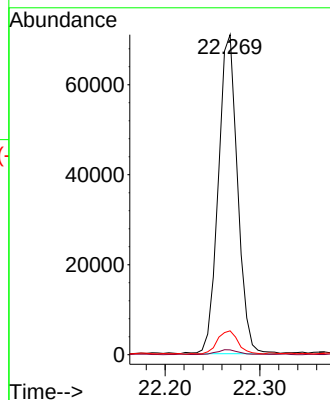
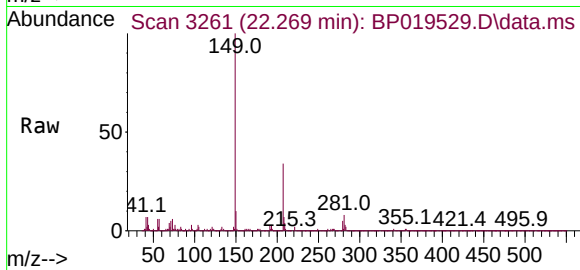
Tgt Ion:149 Resp: 100176

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 7.9 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

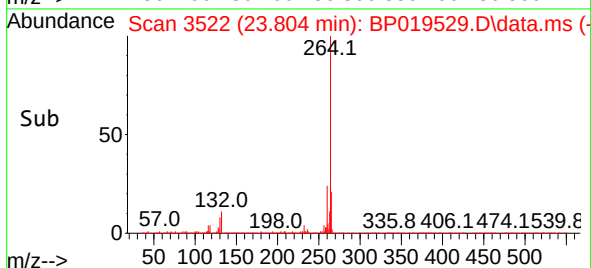
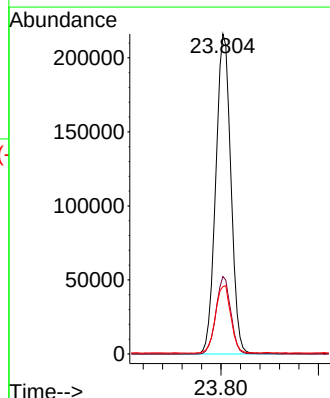
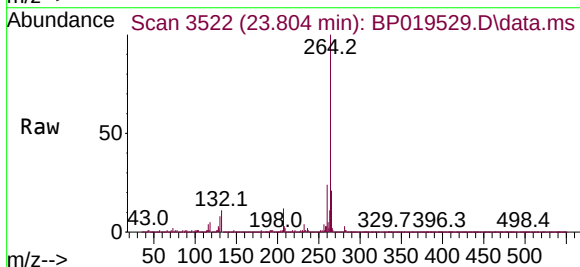
Tgt Ion:264 Resp: 463254

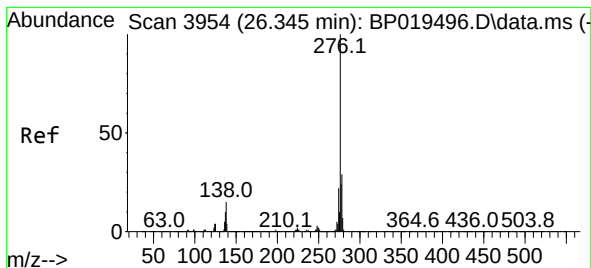
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.095 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

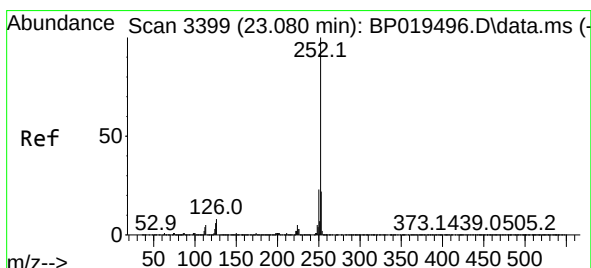
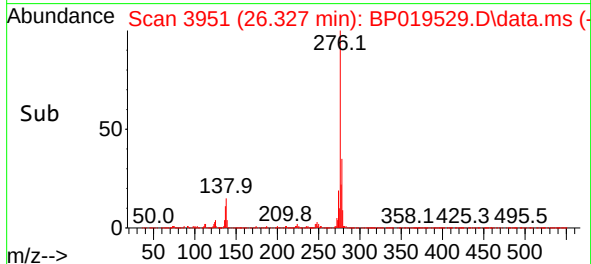
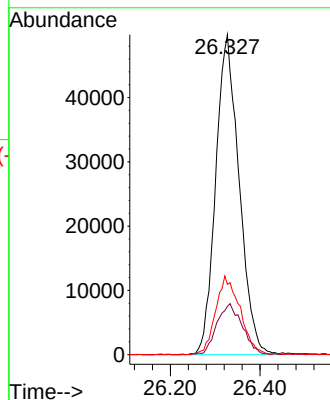
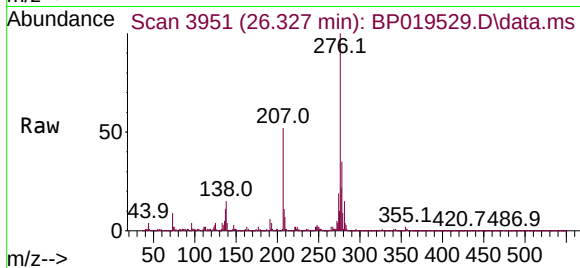
Tgt Ion:276 Resp: 180675

Ion Ratio Lower Upper

276 100

138 17.2 13.1 19.7

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.725 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

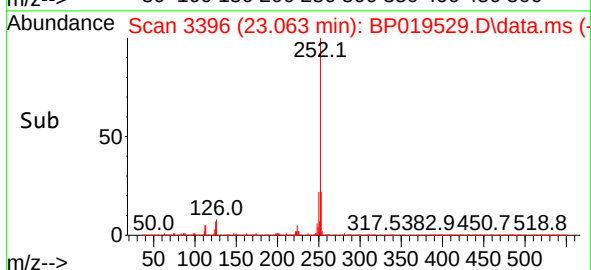
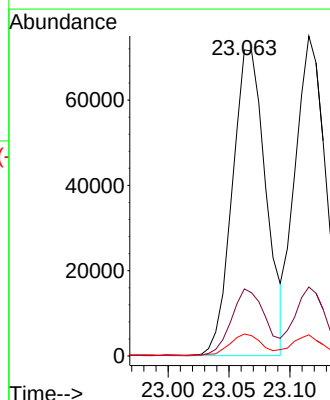
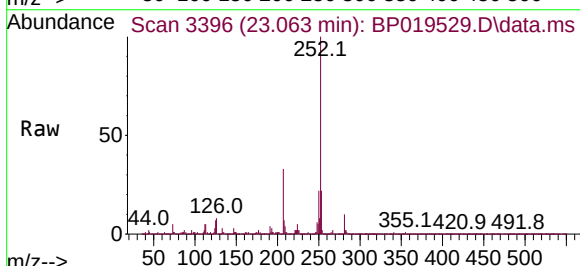
Tgt Ion:252 Resp: 137966

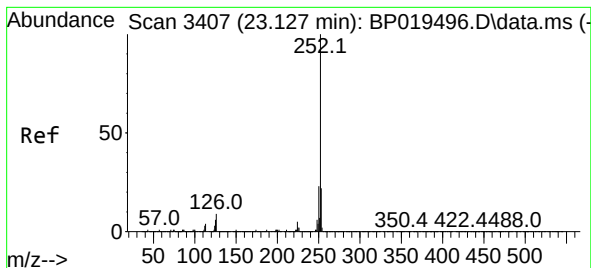
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 7.1 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 4.691 ng

RT: 23.116 min Scan# 34

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

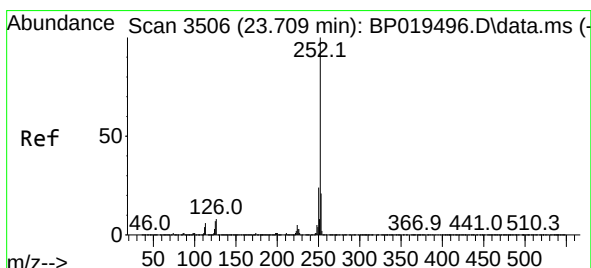
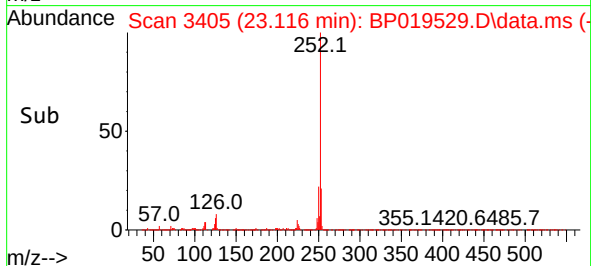
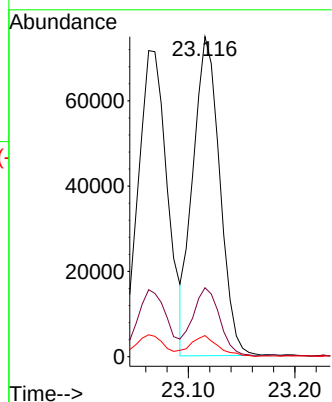
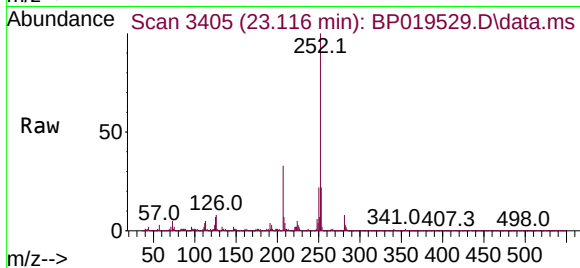
Tgt Ion:252 Resp: 130822

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 6.6 5.0 7.6



#90

Benzo(a)pyrene

Concen: 4.766 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.011 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

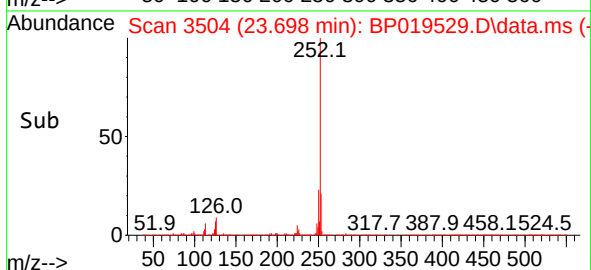
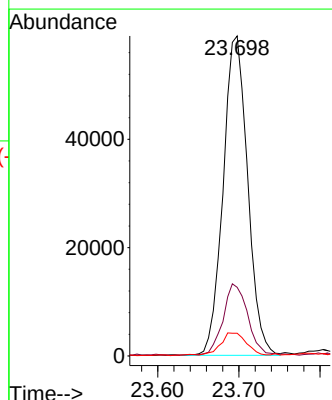
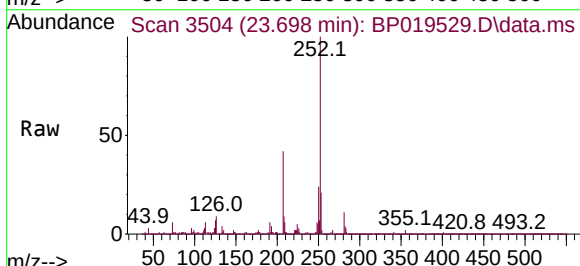
Tgt Ion:252 Resp: 123808

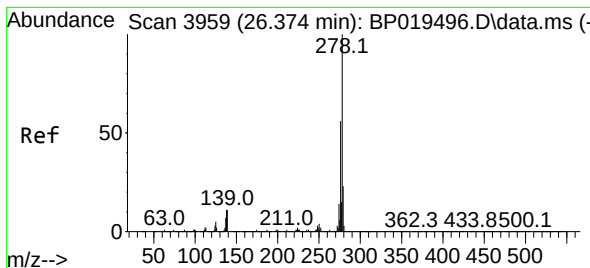
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 7.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 5.250 ng

RT: 26.357 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

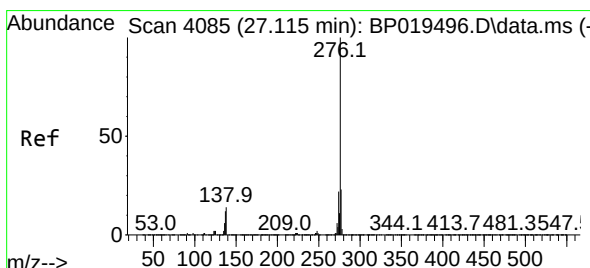
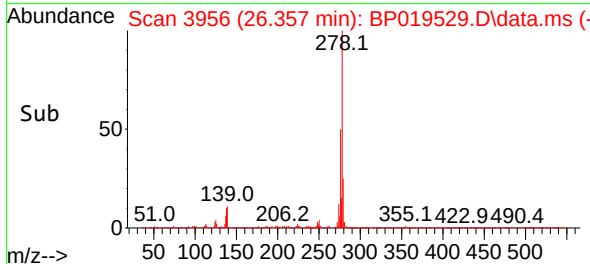
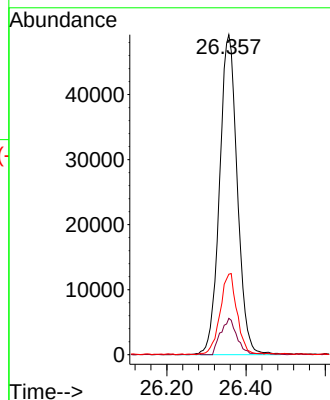
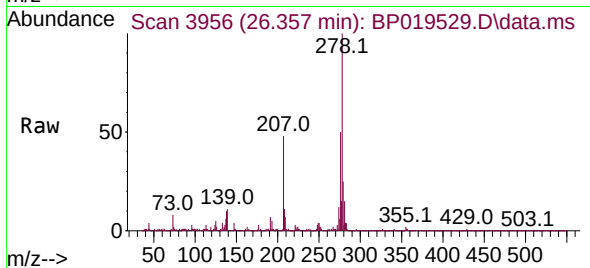
Tgt Ion:278 Resp: 153108

Ion Ratio Lower Upper

278 100

139 11.4 8.6 12.8

279 25.2 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 5.000 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019529.D

Acq: 02 Feb 2024 15:38

Tgt Ion:276 Resp: 147952

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 14.4 10.9 16.3

