

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019527.D
 Acq On : 02 Feb 2024 14:30
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 02 14:57:14 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	69862	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	289431	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	196900	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	403517	20.000	ng	0.00
76) Chrysene-d12	21.386	240	294872	20.000	ng	0.00
86) Perylene-d12	23.804	264	359891	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	612049	141.218	ng	0.00
7) Phenol-d6	7.081	99	837702	143.346	ng	0.00
23) Nitrobenzene-d5	9.081	82	553423	82.854	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	414531	144.191	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1294600	81.281	ng	0.00
79) Terphenyl-d14	19.863	244	1662249	92.706	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	20335	12.178	ng	95
3) Pyridine	3.787	79	45114	9.965	ng	99
4) n-Nitrosodimethylamine	3.711	42	21596	10.957	ng	98
6) Aniline	7.246	93	75523	13.300	ng	97
8) 2-Chlorophenol	7.475	128	47987	10.784	ng	97
9) Benzaldehyde	7.058	77	50795	12.397	ng	96
10) Phenol	7.105	94	64626	11.096	ng	93
11) bis(2-Chloroethyl)ether	7.346	93	50537	11.153	ng	95
12) 1,3-Dichlorobenzene	7.799	146	56892	10.449	ng	97
13) 1,4-Dichlorobenzene	7.946	146	58265	10.562	ng	99
14) 1,2-Dichlorobenzene	8.257	146	55845	10.463	ng	98
15) Benzyl Alcohol	8.157	79	56071	12.008	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.457	45	52707	11.632	ng	97
17) 2-Methylphenol	8.357	107	43617	11.123	ng	99
18) Hexachloroethane	8.981	117	22550	10.547	ng	88
19) n-Nitroso-di-n-propyla...	8.728	70	46306	11.601	ng	98
20) 3+4-Methylphenols	8.687	107	59613	11.139	ng	95
22) Acetophenone	8.740	105	88314	10.711	ng	# 97
24) Nitrobenzene	9.122	77	70797	10.527	ng	99
25) Isophorone	9.646	82	126717	10.893	ng	97
26) 2-Nitrophenol	9.828	139	24792	9.668	ng	100
27) 2,4-Dimethylphenol	9.887	122	41068	12.525	ng	98
28) bis(2-Chloroethoxy)met...	10.140	93	70685	10.740	ng	99
29) 2,4-Dichlorophenol	10.357	162	50915	10.272	ng	95
30) 1,2,4-Trichlorobenzene	10.575	180	59857	9.849	ng	100
31) Naphthalene	10.763	128	163540	10.302	ng	98
32) Benzoic acid	9.969	122	27099	8.483	ng	93
33) 4-Chloroaniline	10.881	127	68174	11.613	ng	98
34) Hexachlorobutadiene	11.034	225	43311	9.617	ng	96
35) Caprolactam	11.651	113	15991	11.396	ng	97
36) 4-Chloro-3-methylphenol	11.998	107	58982	10.913	ng	97
37) 2-Methylnaphthalene	12.369	142	116603	10.614	ng	97
38) 1-Methylnaphthalene	12.587	142	115933	10.739	ng	98
40) 1,2,4,5-Tetrachloroben...	12.734	216	76116	10.024	ng	100
41) Hexachlorocyclopentadiene	12.704	237	40102	11.690	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	45301	9.852	ng	95

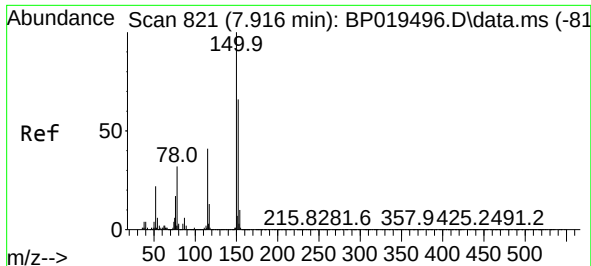
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	49887	9.880	ng	98
46) 1,1'-Biphenyl	13.381	154	164167	10.446	ng	100
47) 2-Chloronaphthalene	13.422	162	127994	9.922	ng	99
48) 2-Nitroaniline	13.634	65	36001	9.980	ng	94
49) Acenaphthylene	14.263	152	204925	11.323	ng	99
50) Dimethylphthalate	14.010	163	159469	10.580	ng	99
51) 2,6-Dinitrotoluene	14.134	165	32068	9.683	ng	99
52) Acenaphthene	14.604	154	115010	10.239	ng	100
53) 3-Nitroaniline	14.457	138	31233	10.262	ng	96
54) 2,4-Dinitrophenol	14.663	184	13741	7.991	ng	95
55) Dibenzofuran	14.945	168	193216	10.561	ng	97
56) 4-Nitrophenol	14.757	139	22984	9.214	ng	98
57) 2,4-Dinitrotoluene	14.916	165	40569	9.348	ng	99
58) Fluorene	15.592	166	152048	10.434	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.163	232	44458	10.468	ng	98
60) Diethylphthalate	15.381	149	152703	10.185	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	84510	10.319	ng	100
62) 4-Nitroaniline	15.616	138	29469	9.238	ng	98
63) Azobenzene	15.886	77	147908	10.202	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	19209	8.349	ng	93
66) n-Nitrosodiphenylamine	15.810	169	130624	10.809	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	51992	10.307	ng	98
68) Hexachlorobenzene	16.586	284	58815	9.984	ng	99
69) Atrazine	16.769	200	46496	11.594	ng	97
70) Pentachlorophenol	16.939	266	29989	8.175	ng	95
71) Phenanthrene	17.339	178	226705	10.676	ng	99
72) Anthracene	17.433	178	226246	10.680	ng	99
73) Carbazole	17.704	167	190171	9.882	ng	99
74) Di-n-butylphthalate	18.275	149	206319	8.867	ng	100
75) Fluoranthene	19.304	202	238442	9.191	ng	99
77) Benzidine	19.498	184	108127	17.539	ng	98
78) Pyrene	19.657	202	244725	11.760	ng	99
80) Butylbenzylphthalate	20.551	149	70057	9.014	ng	100
81) Benzo(a)anthracene	21.374	228	217889	10.497	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	80332	10.621	ng	99
83) Chrysene	21.421	228	202168	10.259	ng	100
84) Bis(2-ethylhexyl)phtha...	21.322	149	102091	8.627	ng	98
85) Di-n-octyl phthalate	22.263	149	168263	8.081	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	303282	11.009	ng	99
88) Benzo(b)fluoranthene	23.068	252	225497	9.942	ng	98
89) Benzo(k)fluoranthene	23.116	252	209269	9.658	ng	99
90) Benzo(a)pyrene	23.698	252	202040	10.011	ng	99
91) Dibenzo(a,h)anthracene	26.357	278	252712	11.154	ng	98
92) Benzo(g,h,i)perylene	27.098	276	249099	10.837	ng	99

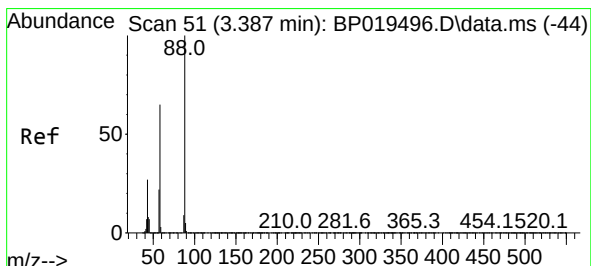
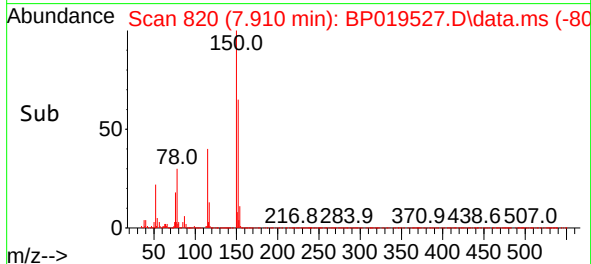
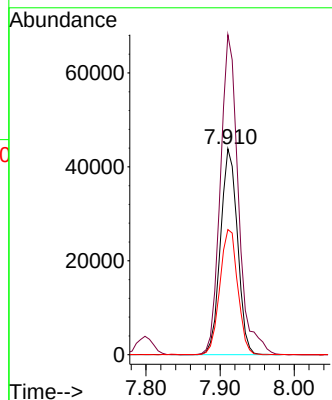
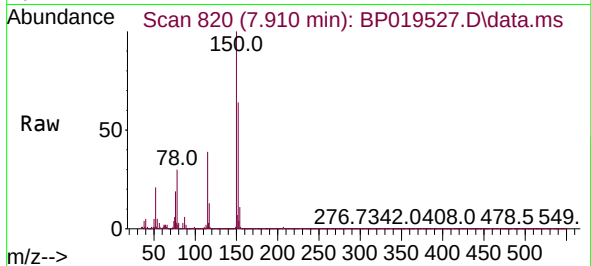
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019527.D
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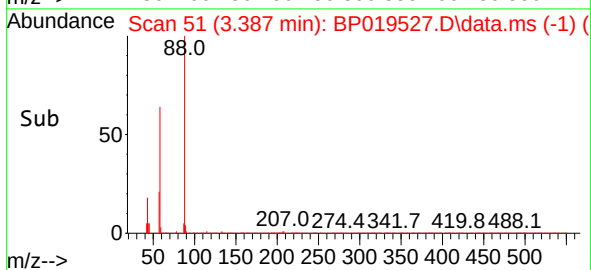
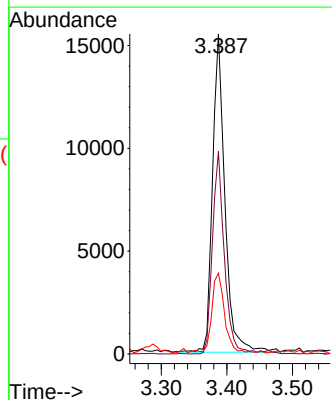
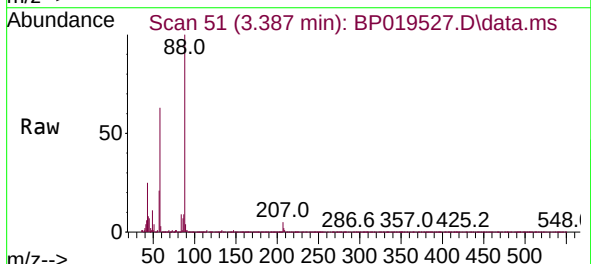
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ClientSampleId :
LOQ-SOIL-02-QT1-2024

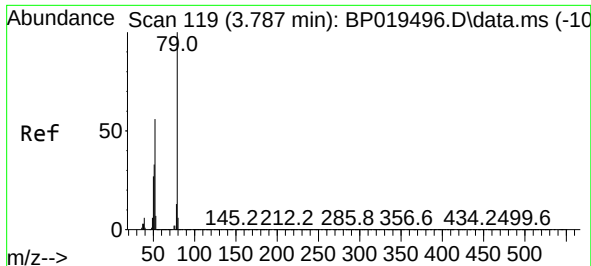
Tgt Ion:152 Resp: 69862
Ion Ratio Lower Upper
152 100
150 155.4 121.8 182.8
115 60.8 49.9 74.9



#2
1,4-Dioxane
Concen: 12.178 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 88 Resp: 20335
Ion Ratio Lower Upper
88 100
58 61.2 52.6 78.8
43 25.0 21.9 32.9





#3

Pyridine

Concen: 9.965 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

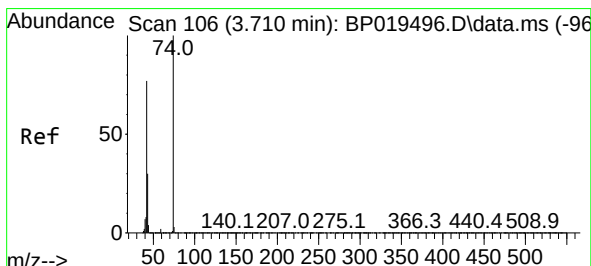
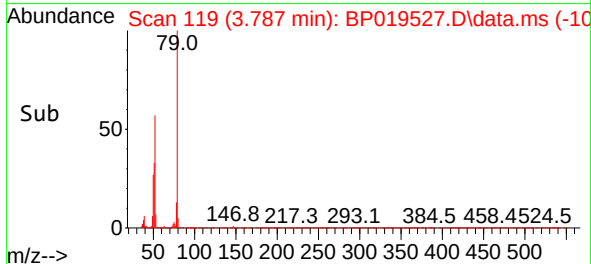
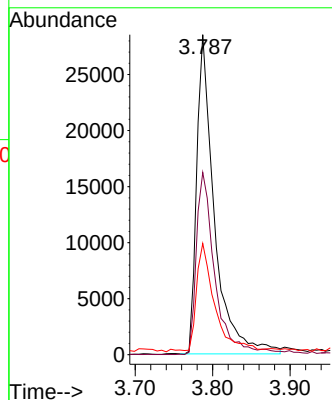
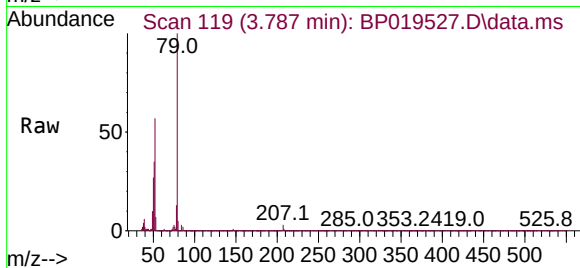
Tgt Ion: 79 Resp: 45114

Ion Ratio Lower Upper

79 100

52 56.9 45.0 67.6

51 34.8 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 10.957 ng

RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

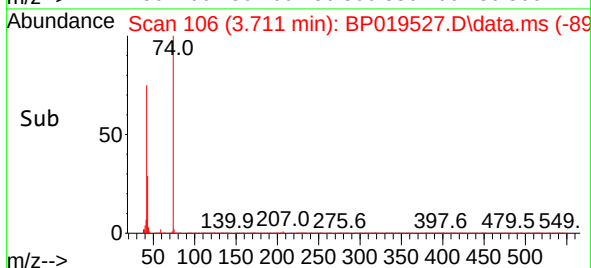
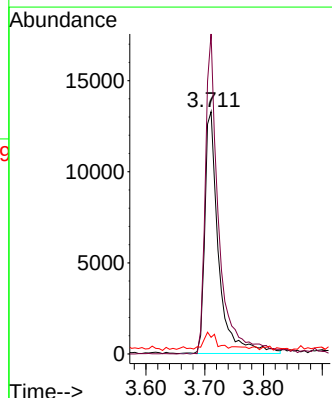
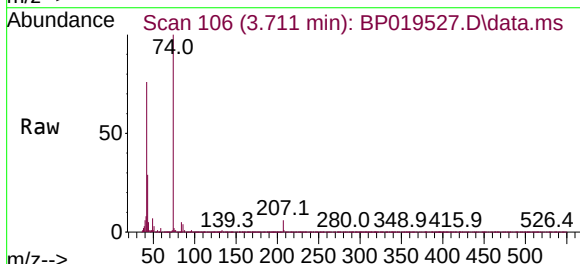
Tgt Ion: 42 Resp: 21596

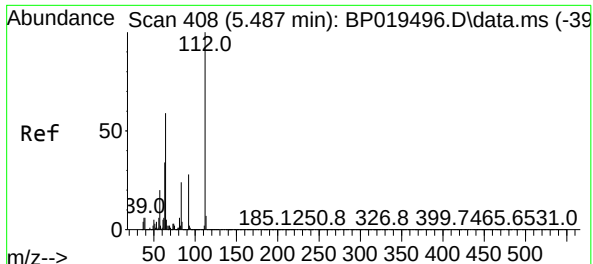
Ion Ratio Lower Upper

42 100

74 132.1 103.4 155.2

44 6.9 4.8 7.2

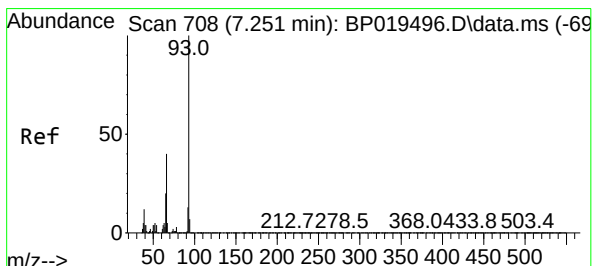
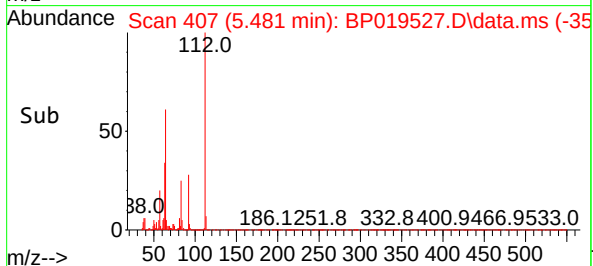
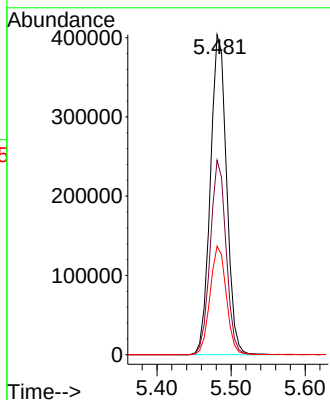
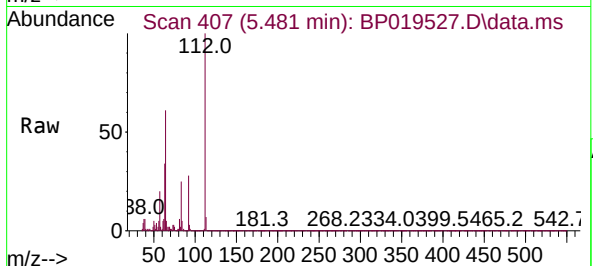




#5
2-Fluorophenol
Concen: 141.218 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

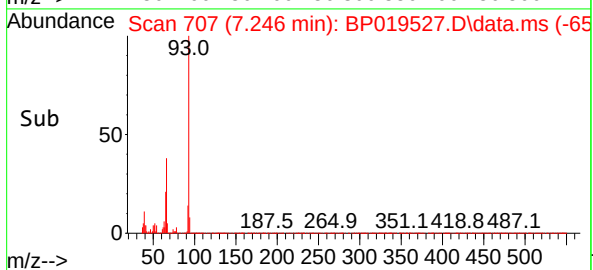
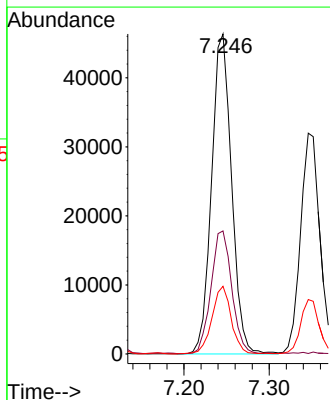
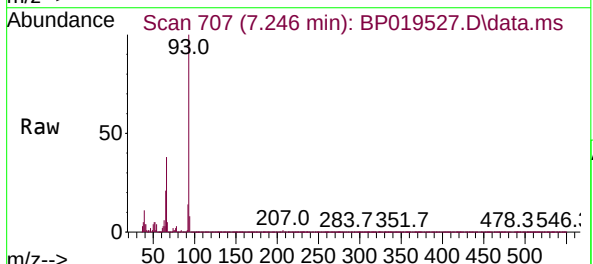
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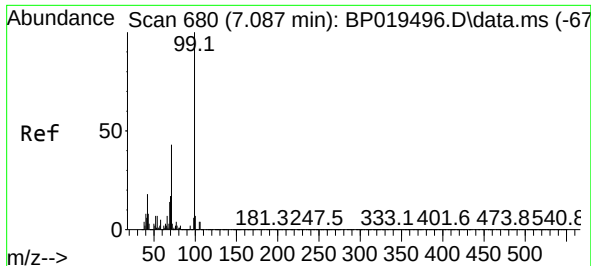
Tgt Ion:112 Resp: 612049
Ion Ratio Lower Upper
112 100
64 60.8 47.4 71.0
63 33.9 27.0 40.6



#6
Aniline
Concen: 13.300 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 93 Resp: 75523
Ion Ratio Lower Upper
93 100
66 38.5 32.3 48.5
65 21.1 16.4 24.6

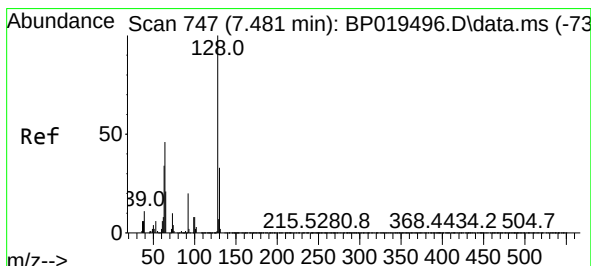
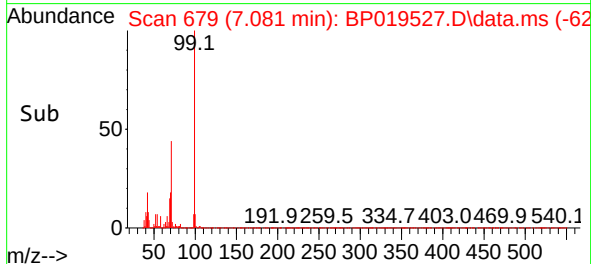
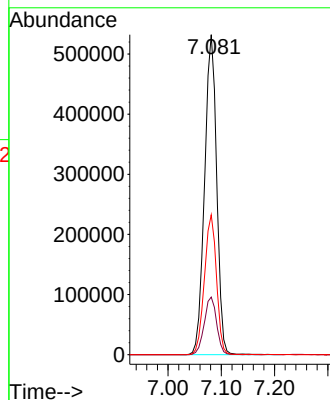
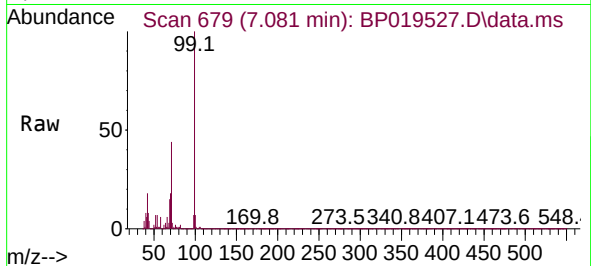




#7
Phenol-d6
Concen: 143.346 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

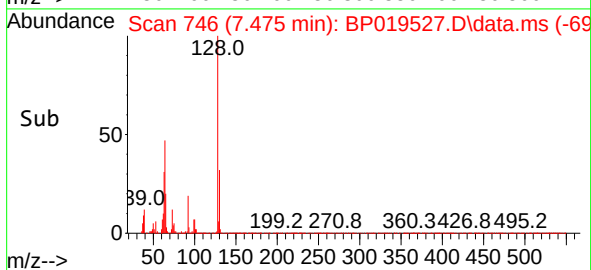
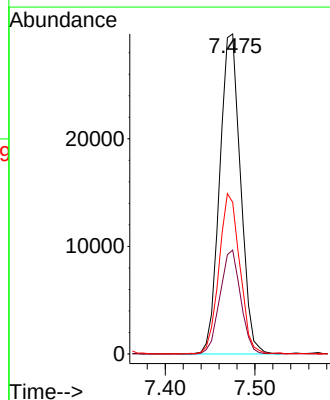
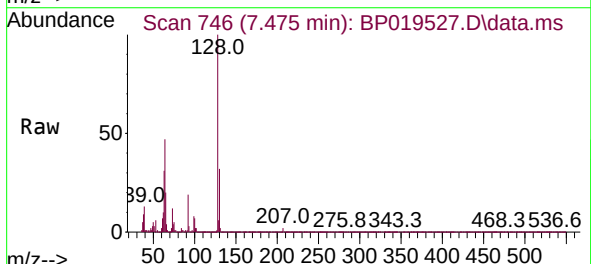
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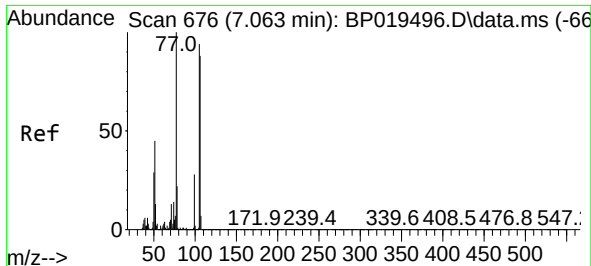
Tgt Ion: 99 Resp: 837702
Ion Ratio Lower Upper
99 100
42 18.0 14.7 22.1
71 43.7 34.8 52.2



#8
2-Chlorophenol
Concen: 10.784 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 128 Resp: 47987
Ion Ratio Lower Upper
128 100
130 32.5 13.3 53.3
64 47.4 29.7 69.7

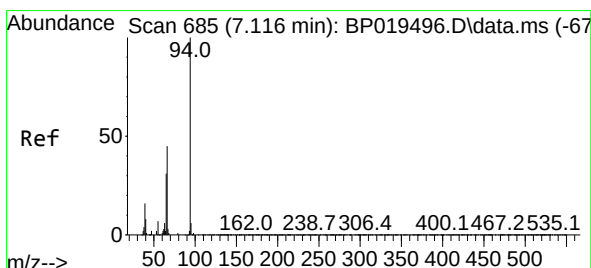
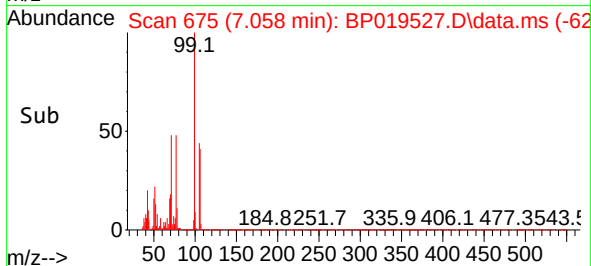
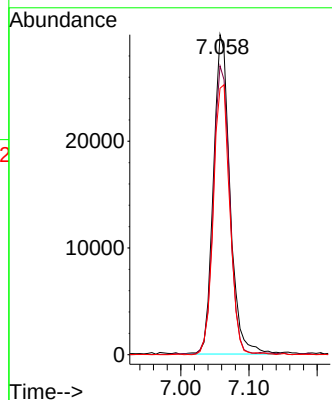
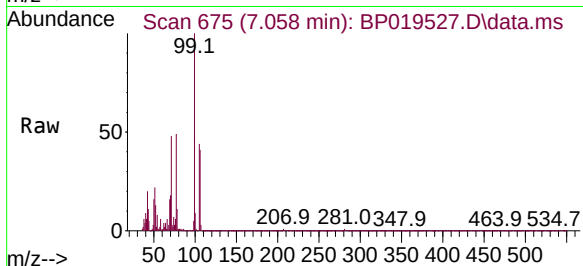




#9
Benzaldehyde
Concen: 12.397 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

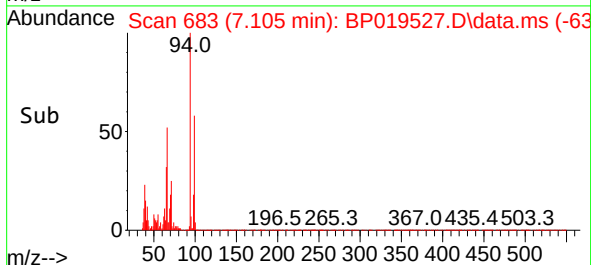
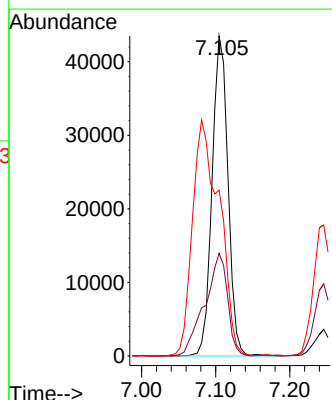
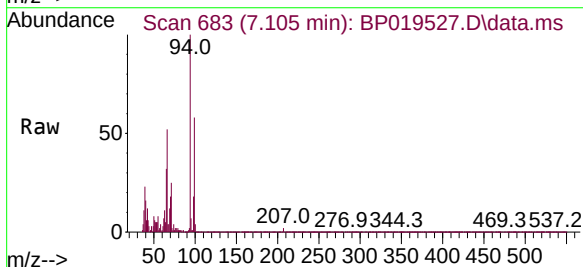
Instrument :
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LOQ-SOIL-02-QT1-2024

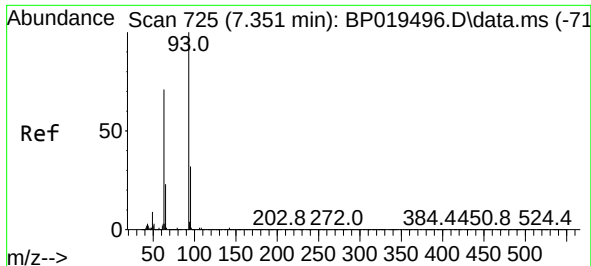
Tgt Ion: 77 Resp: 50795
Ion Ratio Lower Upper
77 100
105 90.2 74.0 114.0
106 83.2 67.8 107.8



#10
Phenol
Concen: 11.096 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 94 Resp: 64626
Ion Ratio Lower Upper
94 100
65 32.0 11.3 51.3
66 51.8 25.1 65.1

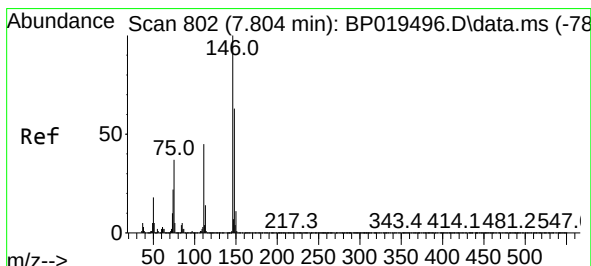
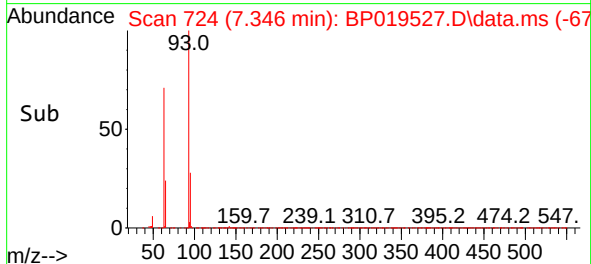
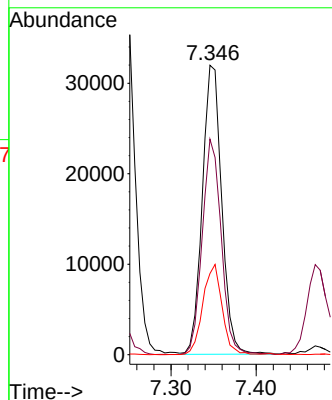
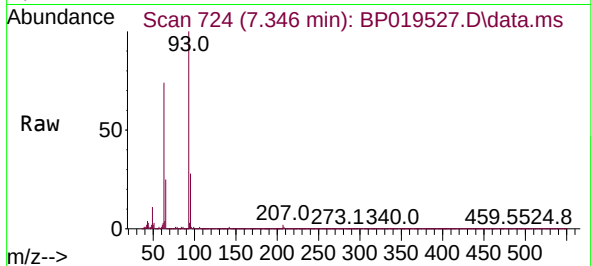




#11
bis(2-Chloroethyl)ether
Concen: 11.153 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

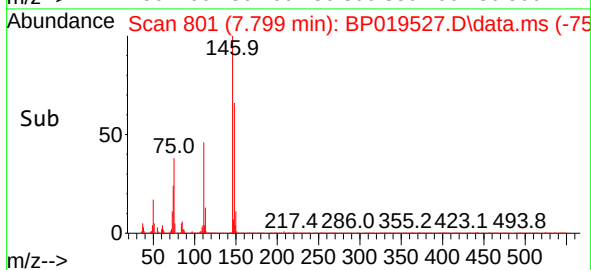
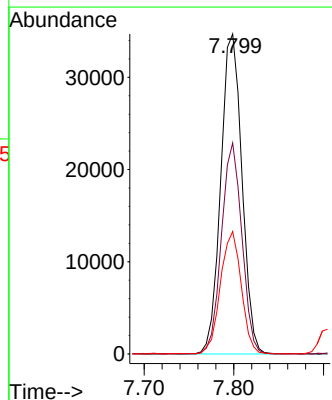
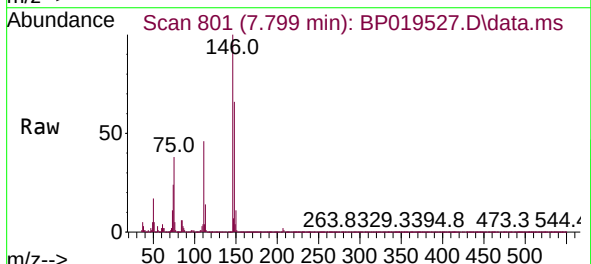
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

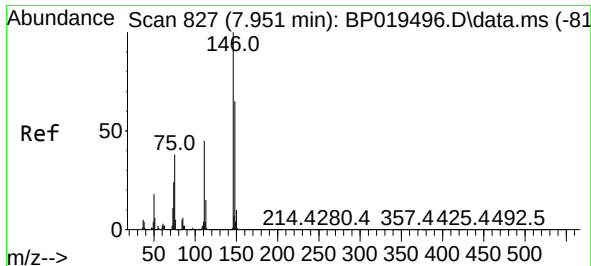
Tgt Ion: 93 Resp: 50537
Ion Ratio Lower Upper
93 100
63 74.5 51.2 91.2
95 28.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 10.449 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 146 Resp: 56892
Ion Ratio Lower Upper
146 100
148 66.0 50.4 75.6
75 38.3 29.9 44.9

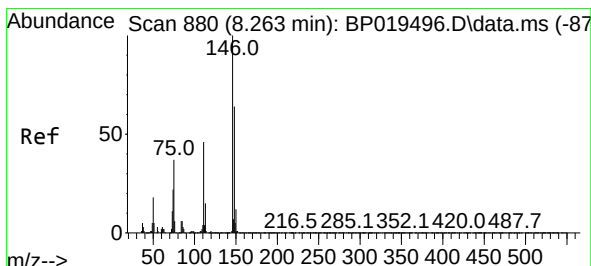
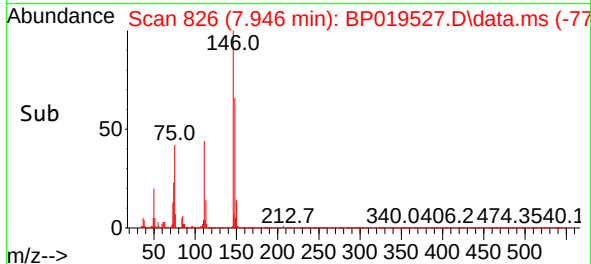
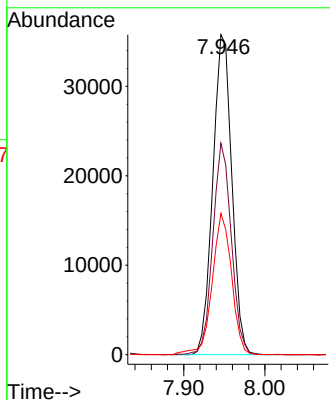
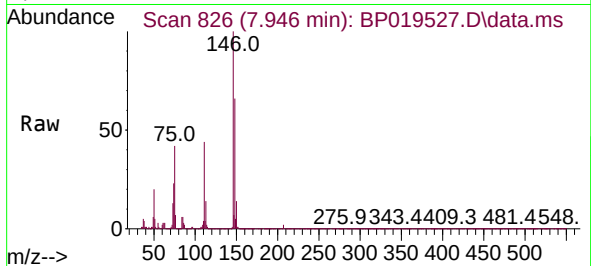




#13
1,4-Dichlorobenzene
Concen: 10.562 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

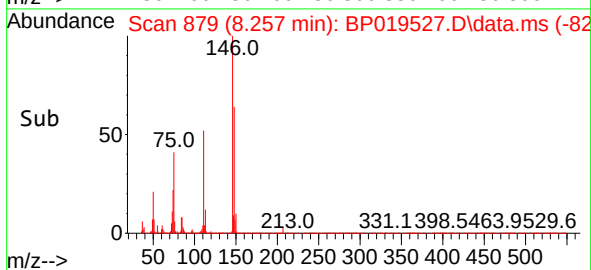
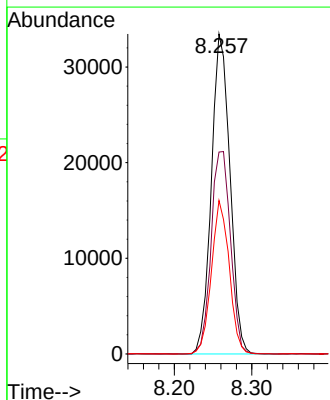
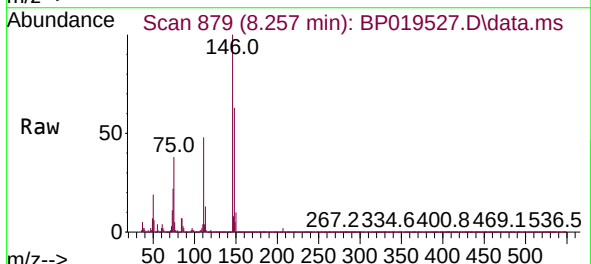
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

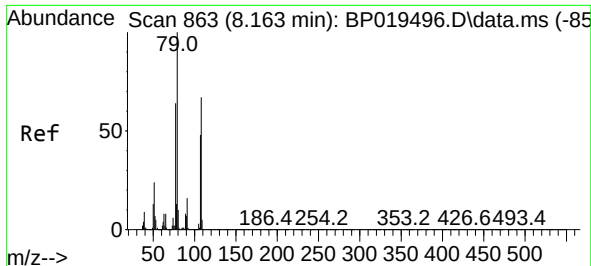
Tgt Ion:146	Resp:	58265
Ion Ratio	Lower	Upper
146	100	
148	66.1	51.9 77.9
111	44.1	35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 10.463 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:146	Resp:	55845
Ion Ratio	Lower	Upper
146	100	
148	63.1	51.4 77.0
111	47.9	37.0 55.6

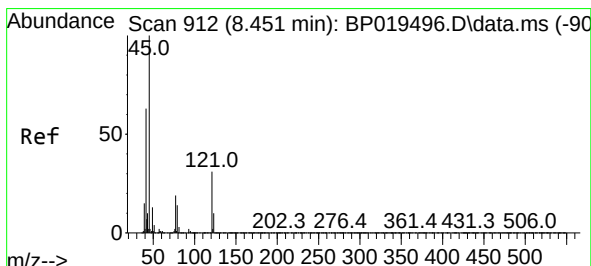
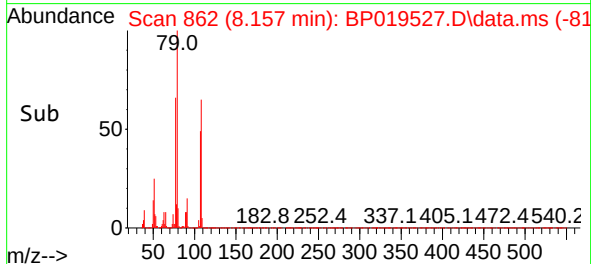
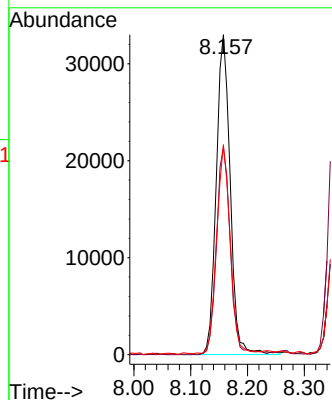
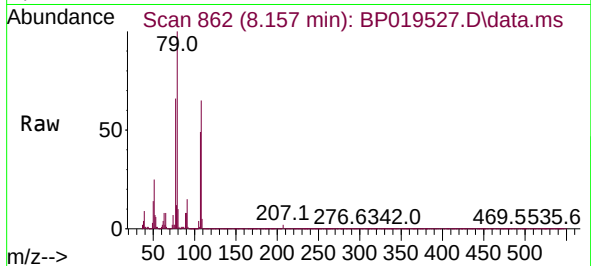




#15
Benzyl Alcohol
Concen: 12.008 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

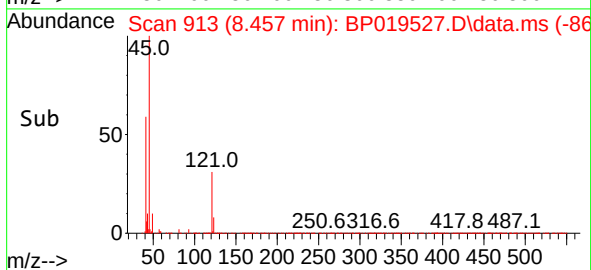
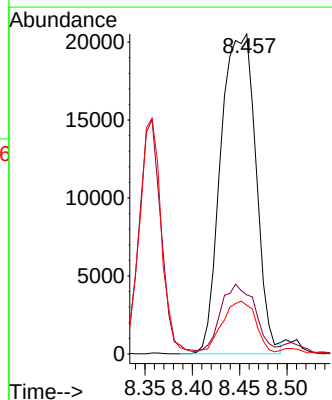
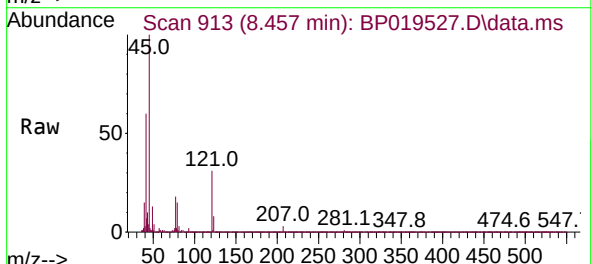
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

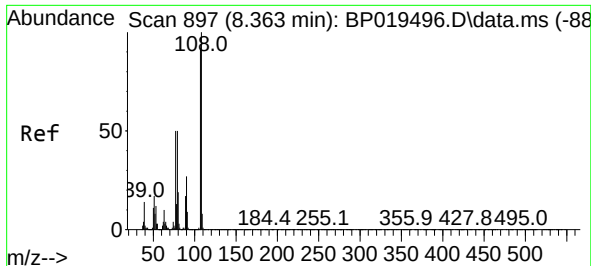
Tgt Ion: 79 Resp: 56071
Ion Ratio Lower Upper
79 100
108 64.8 53.8 80.6
77 65.6 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.632 ng
RT: 8.457 min Scan# 913
Delta R.T. 0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 45 Resp: 52707
Ion Ratio Lower Upper
45 100
77 18.4 0.8 40.8
79 15.2 0.0 35.5

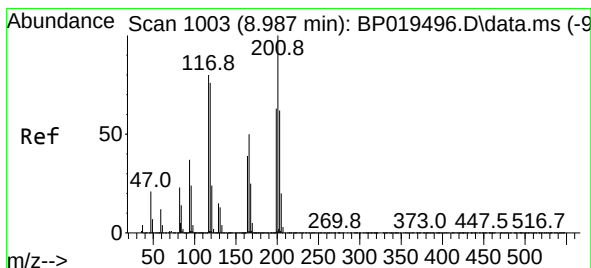
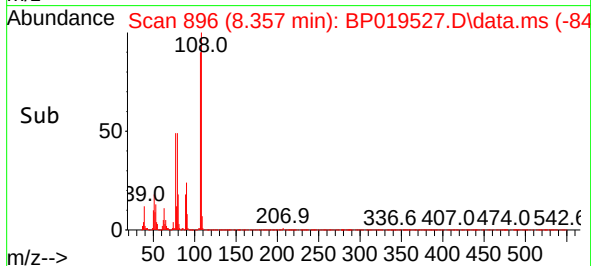
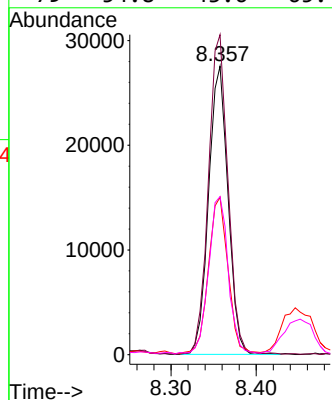
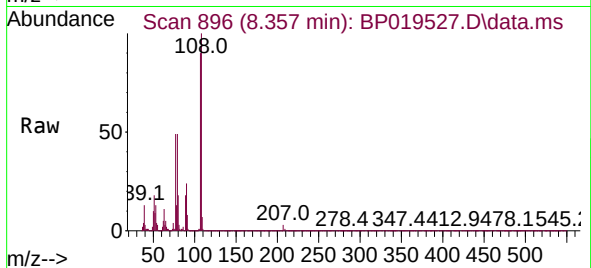




#17
2-Methylphenol
Concen: 11.123 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

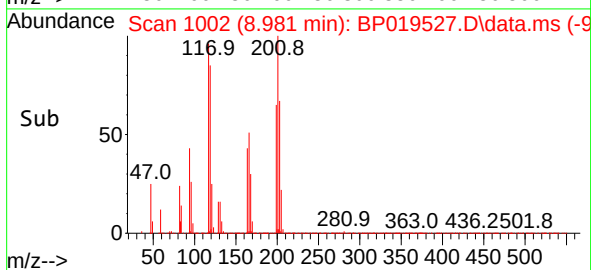
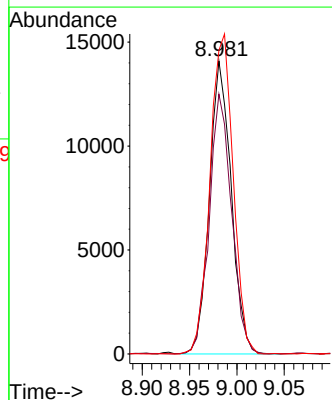
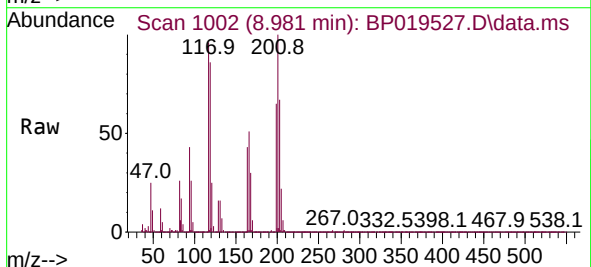
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

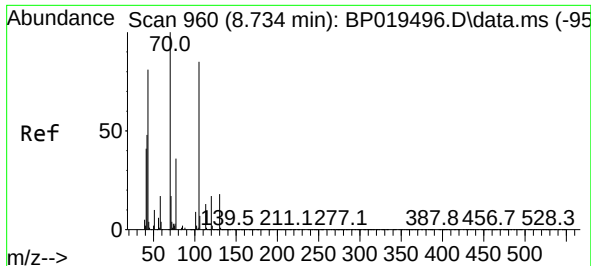
Tgt Ion:	107	Resp:	43617
Ion	Ratio	Lower	Upper
107	100		
108	110.9	87.0	130.6
77	54.6	43.5	65.3
79	54.8	43.6	65.4



#18
Hexachloroethane
Concen: 10.547 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:	117	Resp:	22550
Ion	Ratio	Lower	Upper
117	100		
119	88.7	75.5	113.3
201	106.1	99.4	149.2

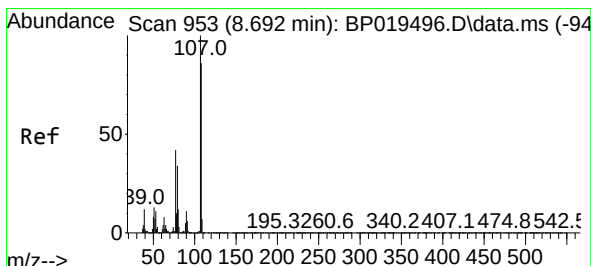
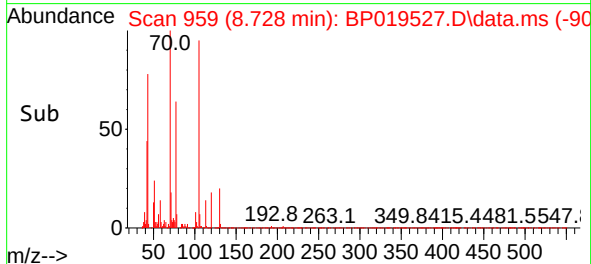
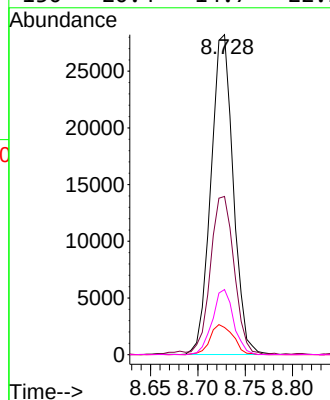
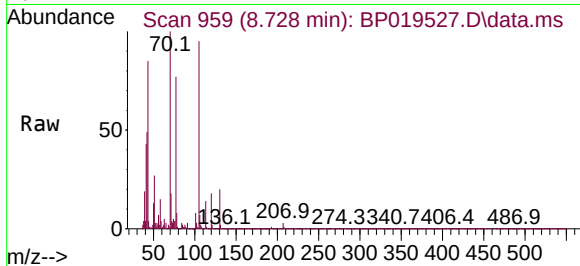




#19
n-Nitroso-di-n-propylamine
Concen: 11.601 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

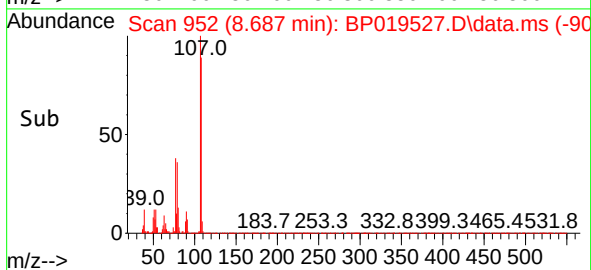
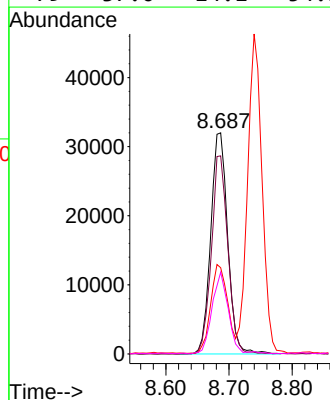
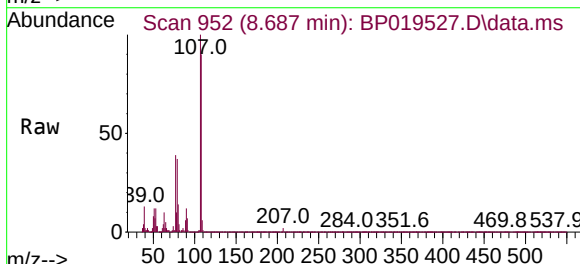
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

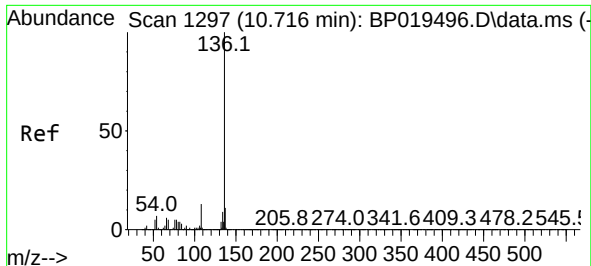
Tgt Ion:	70	Resp:	46306
Ion	Ratio	Lower	Upper
70	100		
42	49.4	39.2	58.8
101	8.5	7.3	10.9
130	20.4	14.7	22.1



#20
3+4-Methylphenols
Concen: 11.139 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:	107	Resp:	59613
Ion	Ratio	Lower	Upper
107	100		
108	89.6	65.5	105.5
77	39.0	21.8	61.8
79	37.0	14.1	54.1

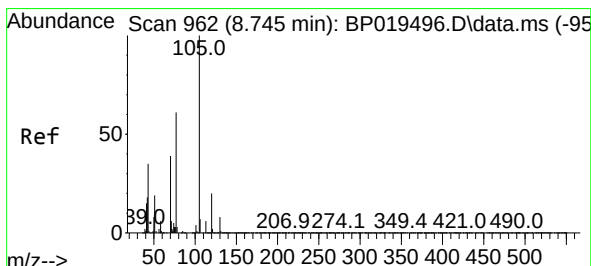
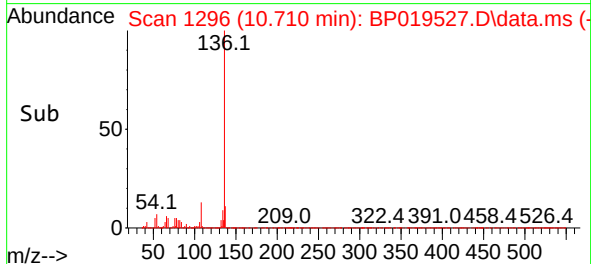
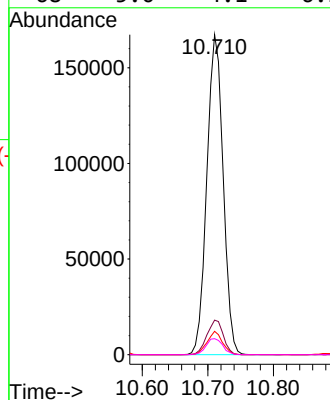
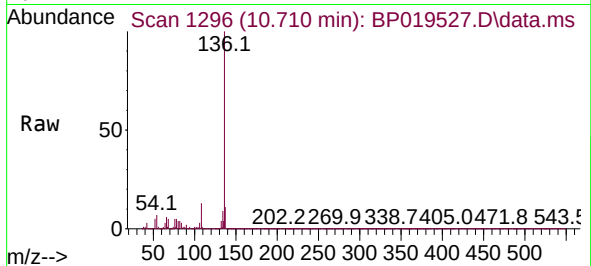




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

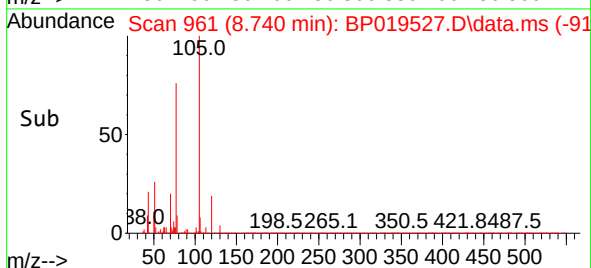
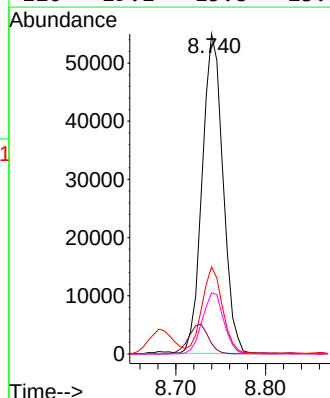
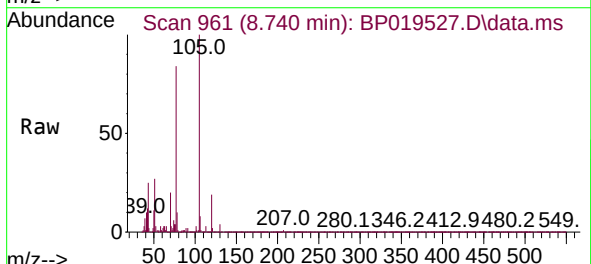
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

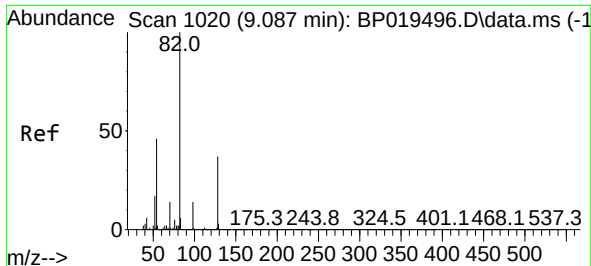
Tgt Ion:	136	Resp:	289431
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	5.3	7.9
68	5.0	4.1	6.1



#22
Acetophenone
Concen: 10.711 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:	105	Resp:	88314
Ion	Ratio	Lower	Upper
105	100		
71	3.2	4.9	7.3#
51	27.2	20.7	31.1
120	19.1	15.8	23.8

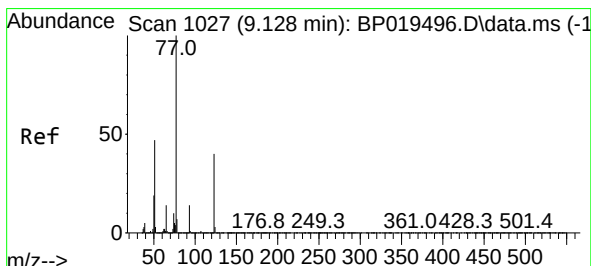
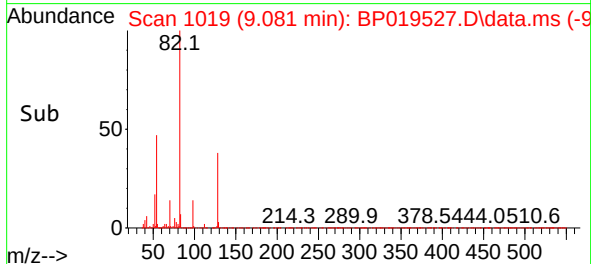
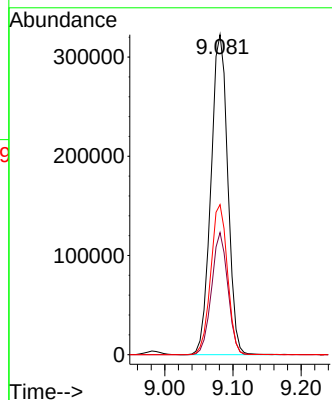
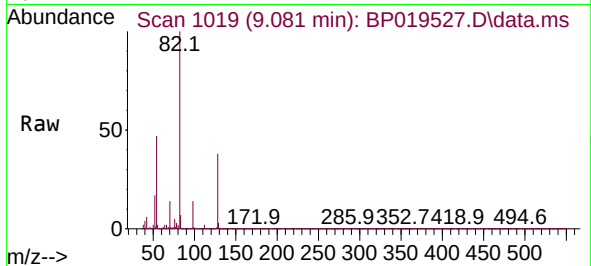




#23
Nitrobenzene-d5
Concen: 82.854 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

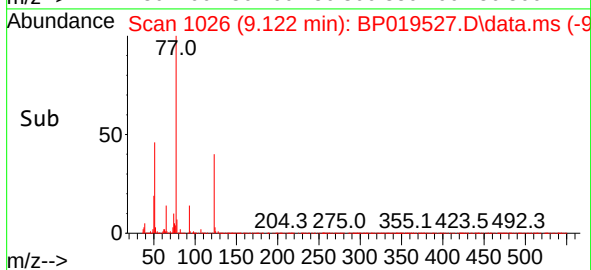
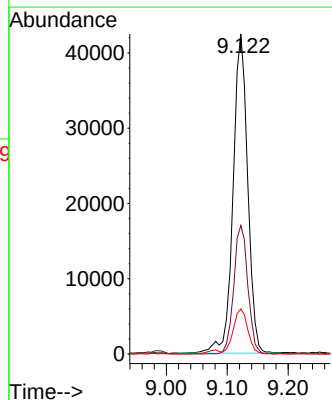
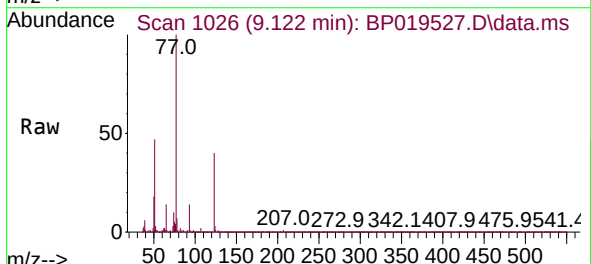
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

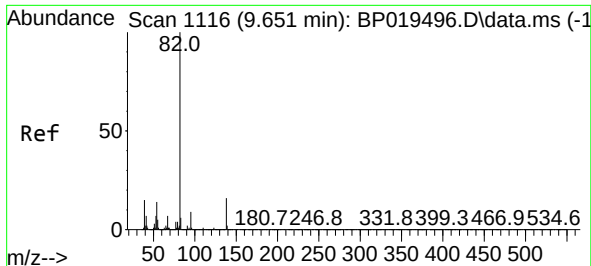
Tgt Ion: 82 Resp: 553423
Ion Ratio Lower Upper
82 100
128 38.2 29.7 44.5
54 46.9 36.8 55.2



#24
Nitrobenzene
Concen: 10.527 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 77 Resp: 70797
Ion Ratio Lower Upper
77 100
123 40.2 32.3 48.5
65 14.1 11.6 17.4

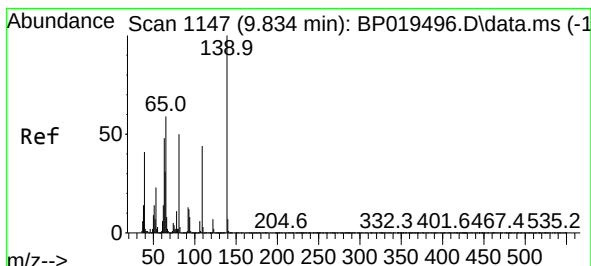
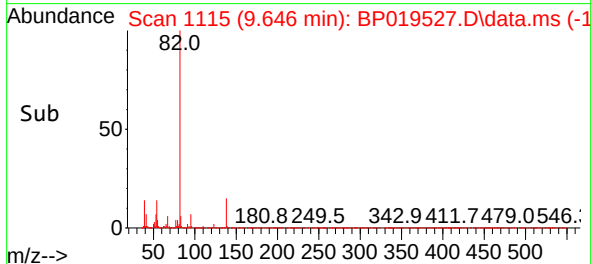
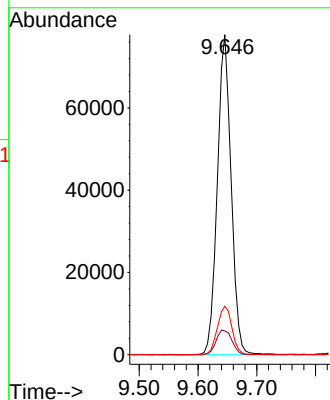
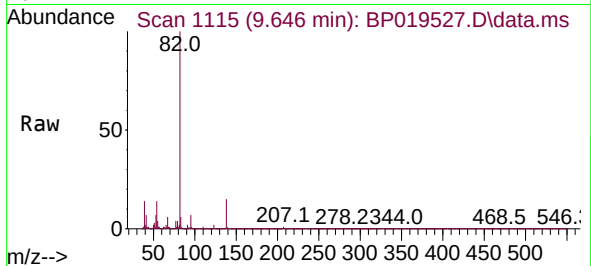




#25
Isophorone
Concen: 10.893 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

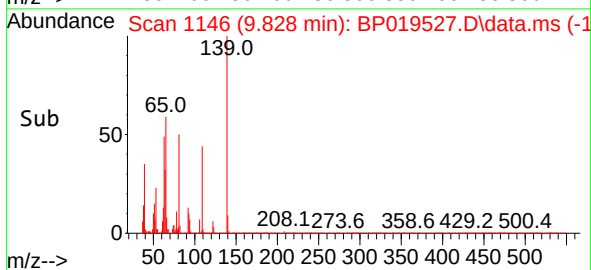
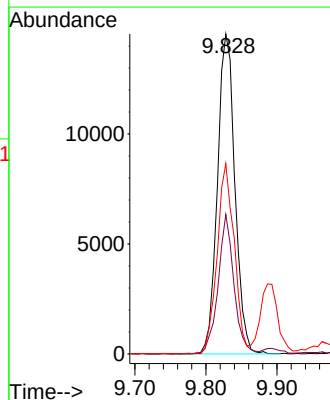
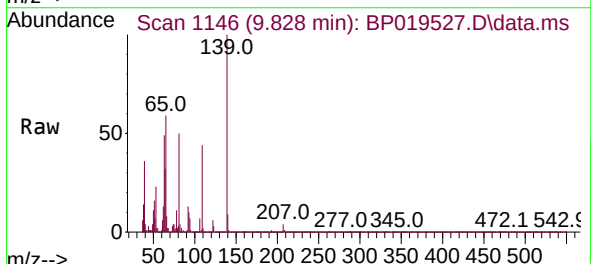
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

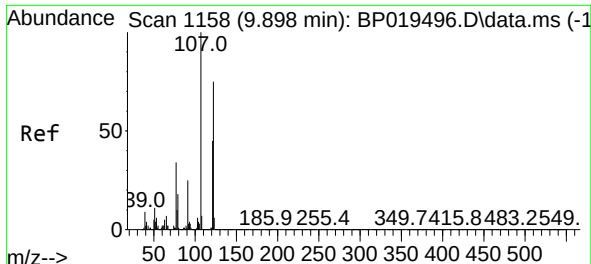
Tgt Ion: 82 Resp: 126717
Ion Ratio Lower Upper
82 100
95 7.4 7.0 10.4
138 15.1 13.1 19.7



#26
2-Nitrophenol
Concen: 9.668 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 139 Resp: 24792
Ion Ratio Lower Upper
139 100
109 43.6 34.9 52.3
65 59.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 12.525 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

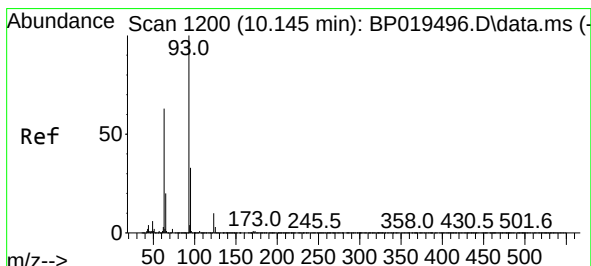
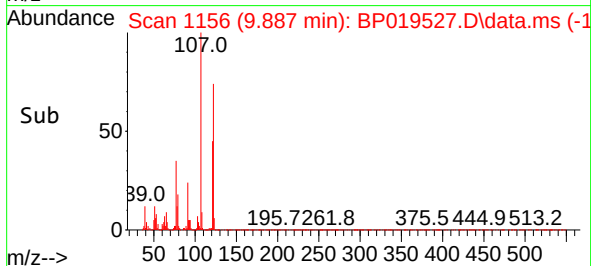
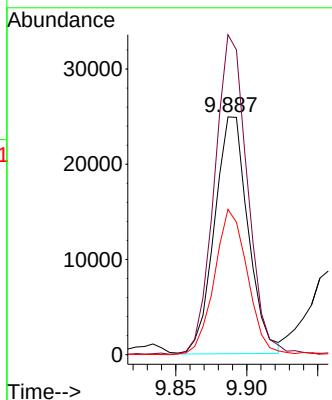
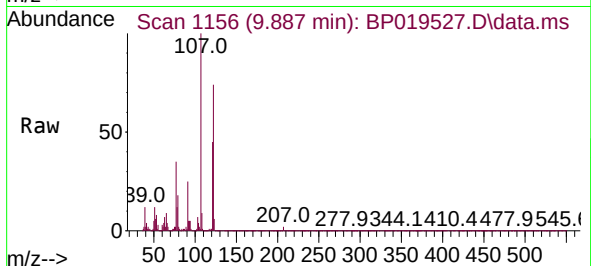
Tgt Ion:122 Resp: 41068

Ion Ratio Lower Upper

122 100

107 134.6 105.9 158.9

121 61.1 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 10.740 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

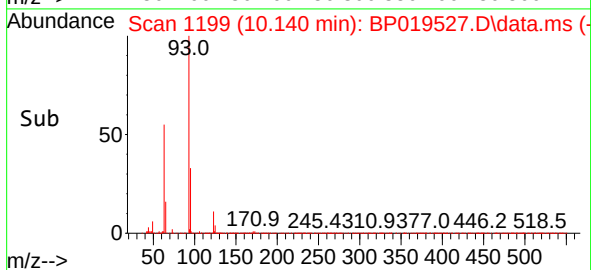
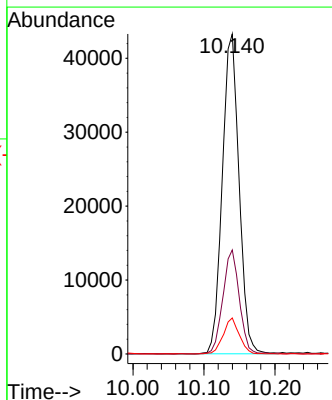
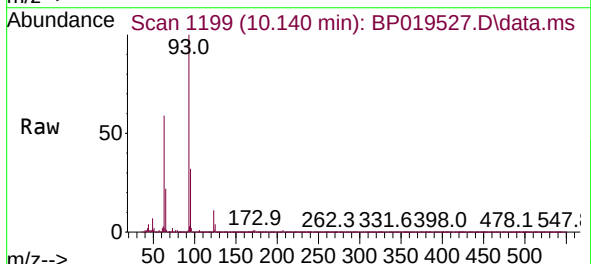
Tgt Ion: 93 Resp: 70685

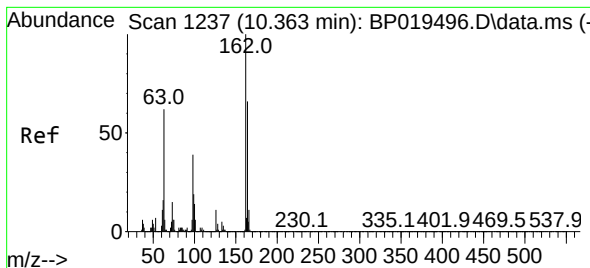
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 11.2 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 10.272 ng

RT: 10.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

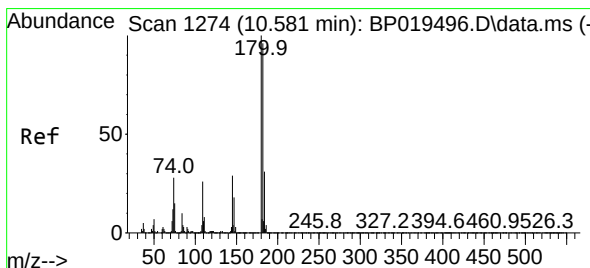
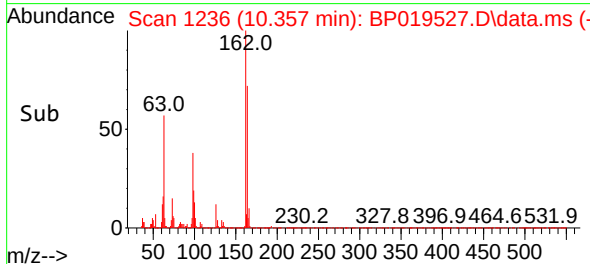
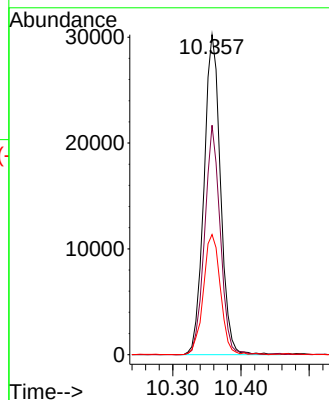
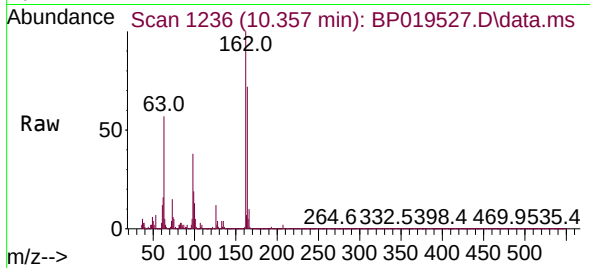
Tgt Ion:162 Resp: 50915

Ion Ratio Lower Upper

162 100

164 71.7 46.0 86.0

98 37.5 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 9.849 ng

RT: 10.575 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

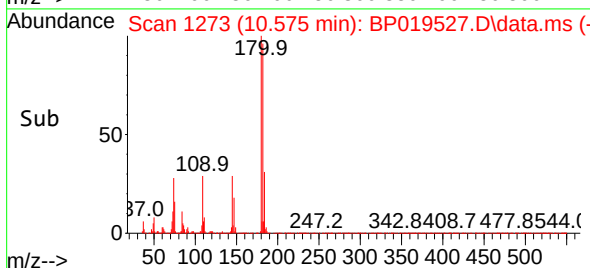
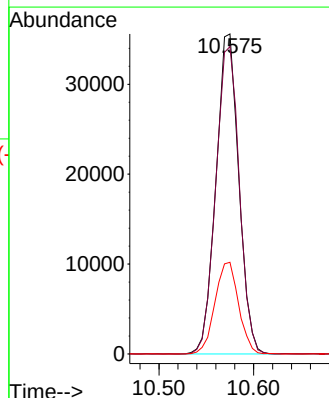
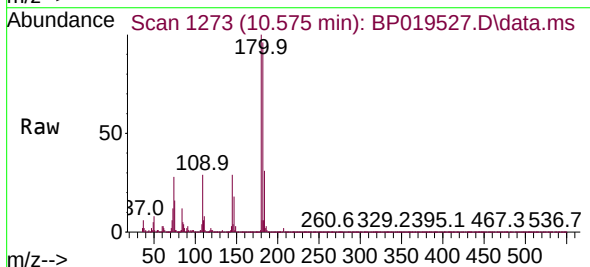
Tgt Ion:180 Resp: 59857

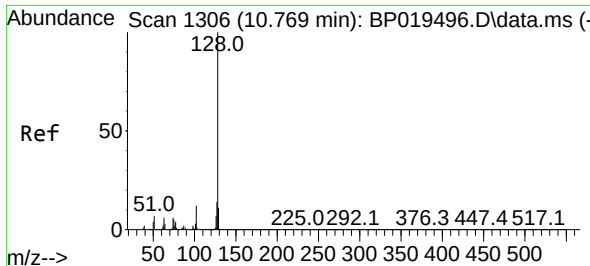
Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.6

145 28.7 23.2 34.8

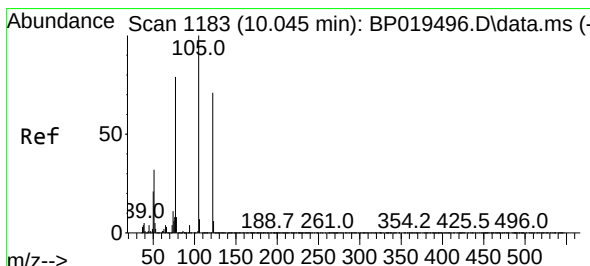
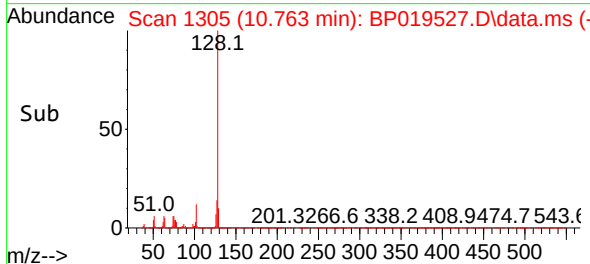
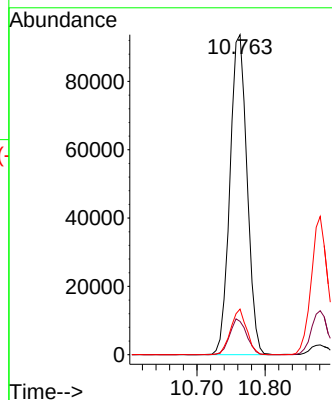
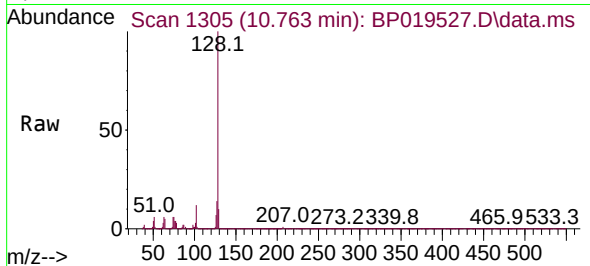




#31
Naphthalene
Concen: 10.302 ng
RT: 10.763 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

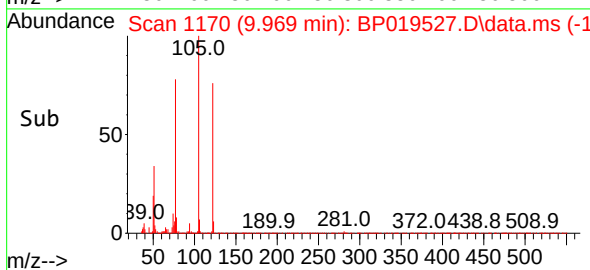
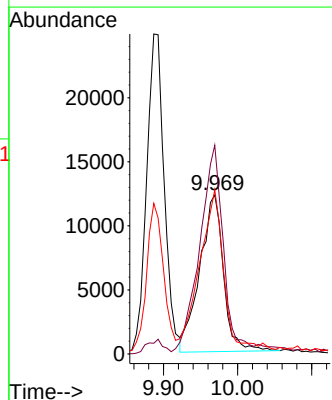
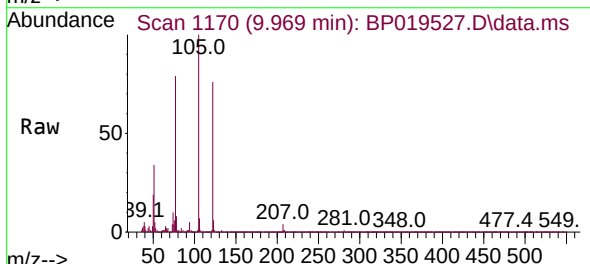
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

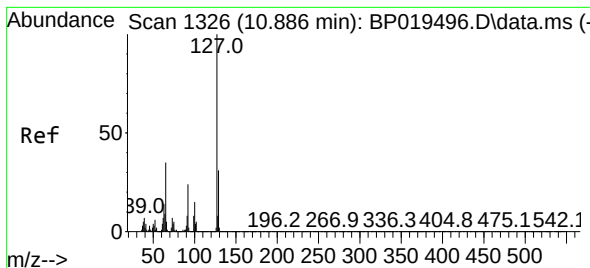
Tgt Ion:128 Resp: 163540
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 14.3 10.8 16.2



#32
Benzoic acid
Concen: 8.483 ng
RT: 9.969 min Scan# 1170
Delta R.T. -0.076 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:122 Resp: 27099
Ion Ratio Lower Upper
122 100
105 131.3 118.8 158.8
77 103.2 91.7 131.7





#33

4-Chloroaniline

Concen: 11.613 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 68174

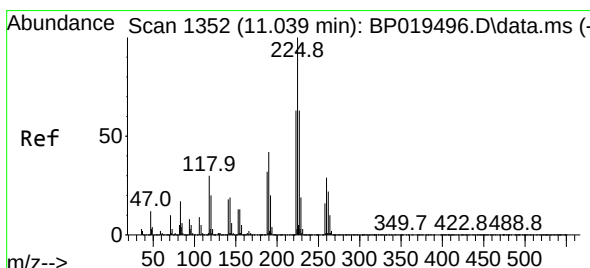
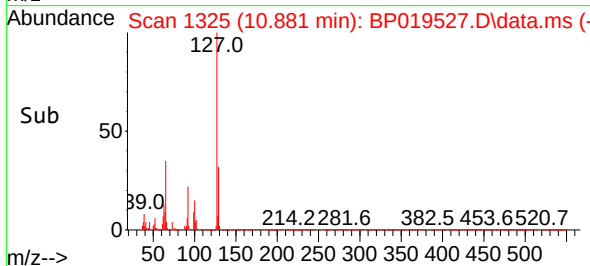
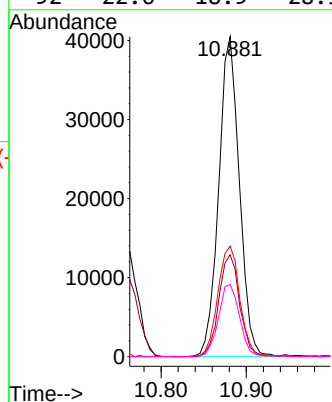
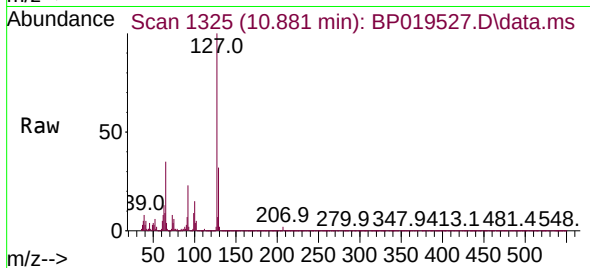
Ion Ratio Lower Upper

127 100

129 31.9 24.6 36.8

65 34.5 28.2 42.4

92 22.6 18.9 28.3



#34

Hexachlorobutadiene

Concen: 9.617 ng

RT: 11.034 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

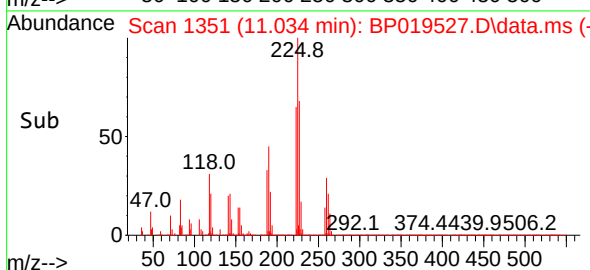
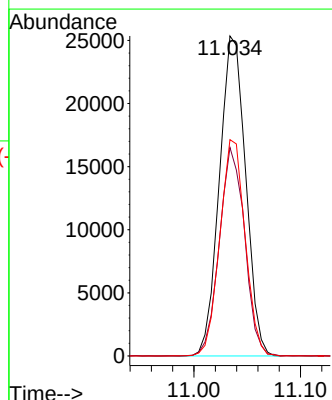
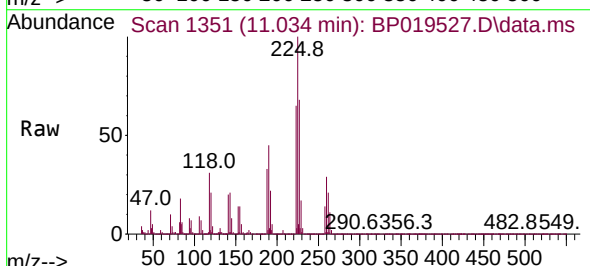
Tgt Ion:225 Resp: 43311

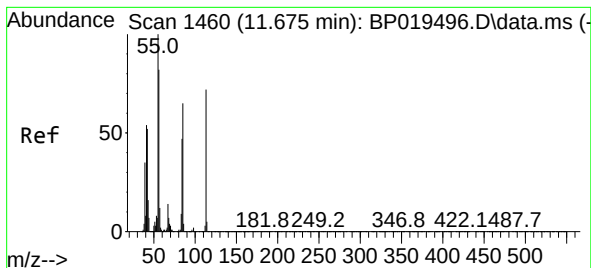
Ion Ratio Lower Upper

225 100

223 65.1 50.5 75.7

227 67.6 50.2 75.2





#35

Caprolactam

Concen: 11.396 ng

RT: 11.651 min Scan# 1456

Delta R.T. -0.023 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

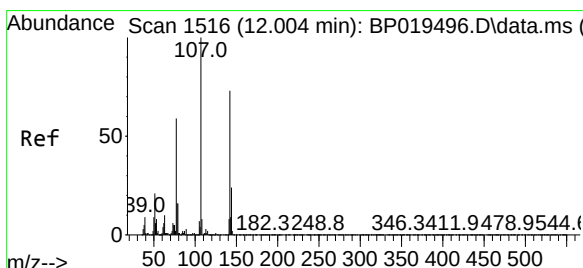
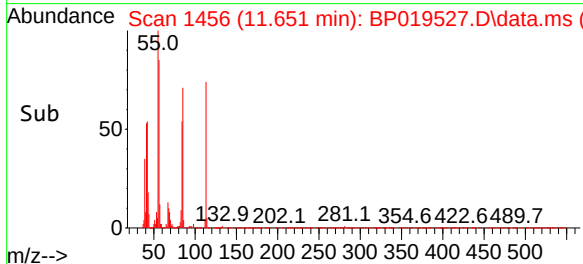
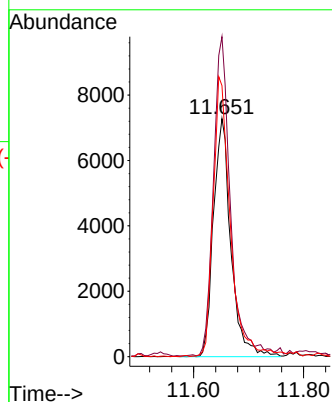
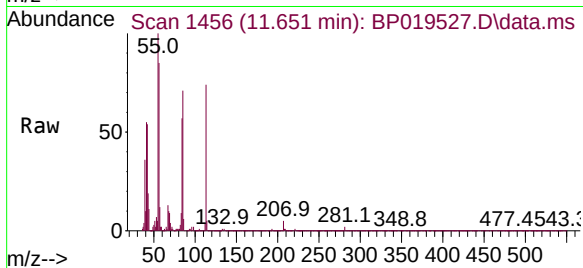
Tgt Ion:113 Resp: 15991

Ion Ratio Lower Upper

113 100

55 134.4 120.0 160.0

56 113.9 94.0 134.0



#36

4-Chloro-3-methylphenol

Concen: 10.913 ng

RT: 11.998 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

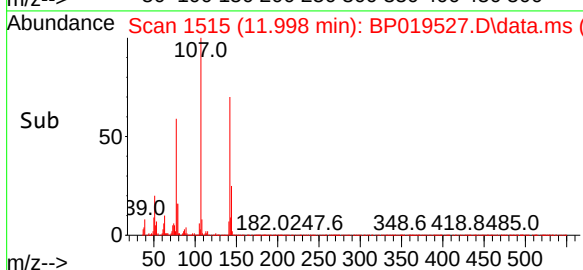
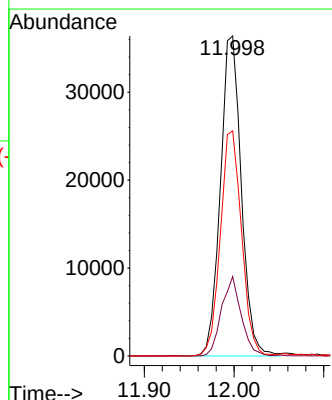
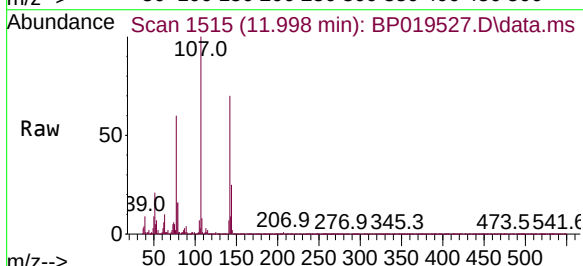
Tgt Ion:107 Resp: 58982

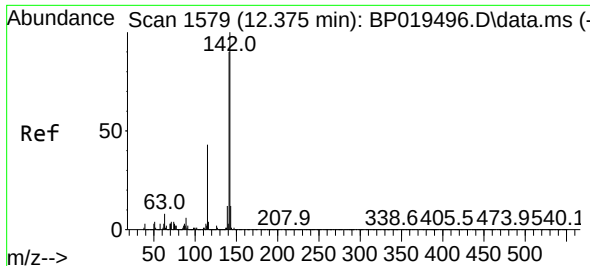
Ion Ratio Lower Upper

107 100

144 24.8 19.0 28.4

142 70.4 58.6 88.0

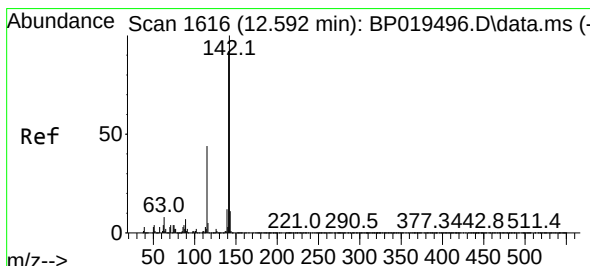
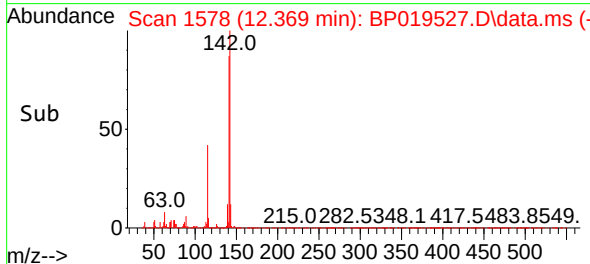
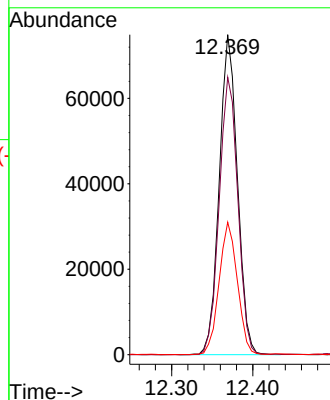
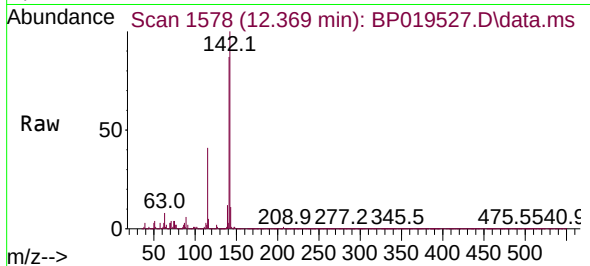




#37
2-Methylnaphthalene
Concen: 10.614 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

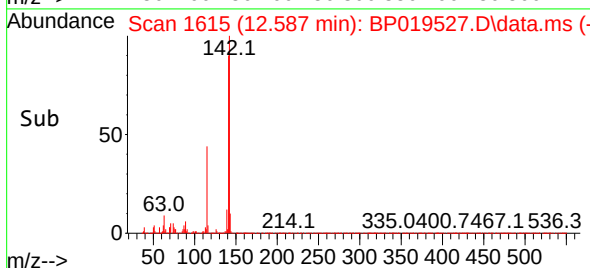
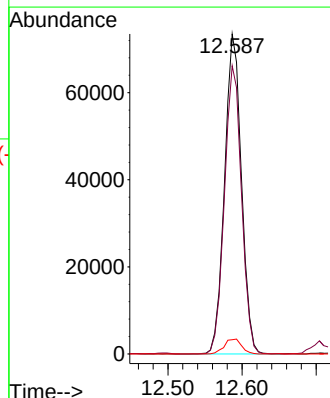
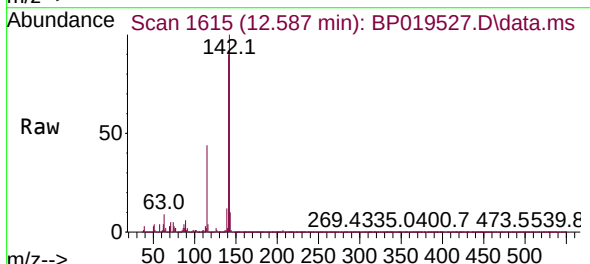
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

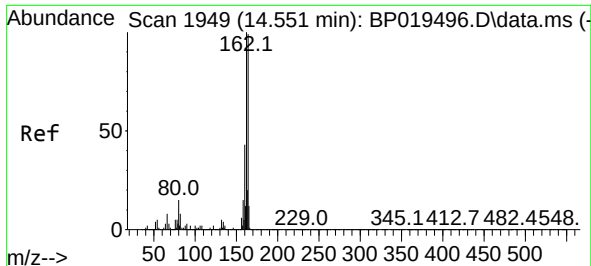
Tgt Ion:142 Resp: 116603
Ion Ratio Lower Upper
142 100
141 86.7 72.2 108.4
115 41.4 34.2 51.2



#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:142 Resp: 115933
Ion Ratio Lower Upper
142 100
141 90.0 74.0 111.0
116 4.5 3.7 5.5

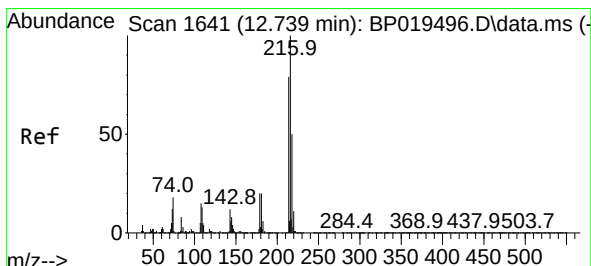
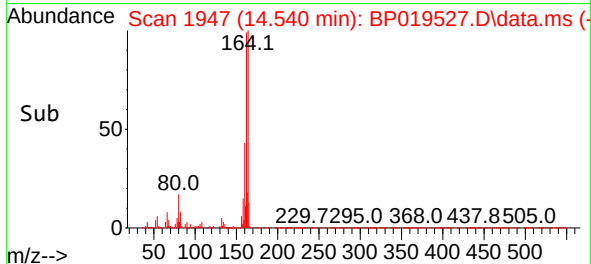
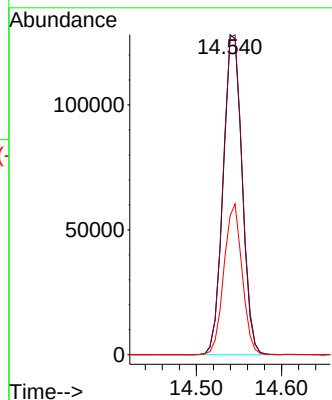
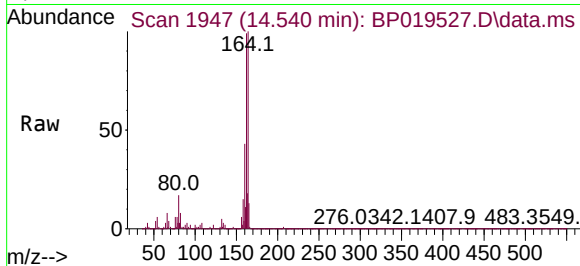




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1949
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

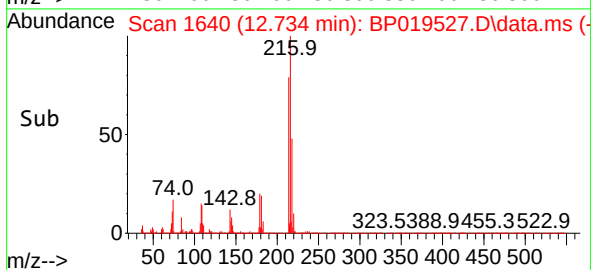
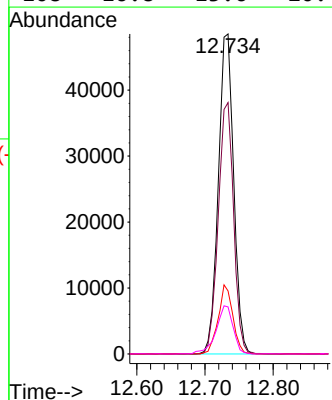
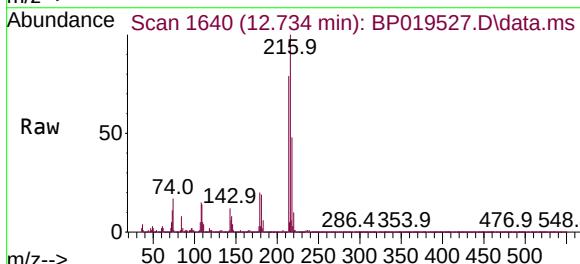
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

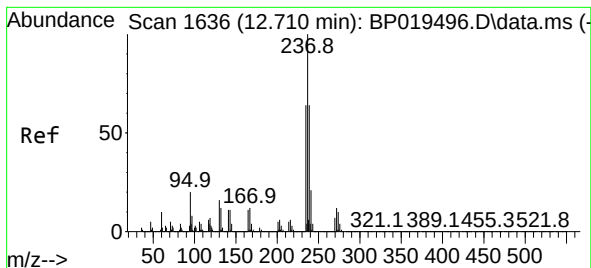
Tgt Ion:164 Resp: 196900
Ion Ratio Lower Upper
164 100
162 99.2 81.2 121.8
160 43.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.024 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:216 Resp: 76116
Ion Ratio Lower Upper
216 100
214 78.5 62.8 94.2
179 20.5 16.6 24.8
108 16.8 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 11.690 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

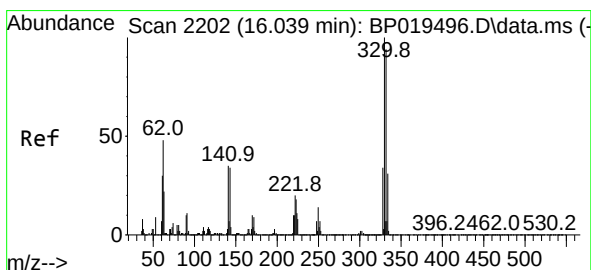
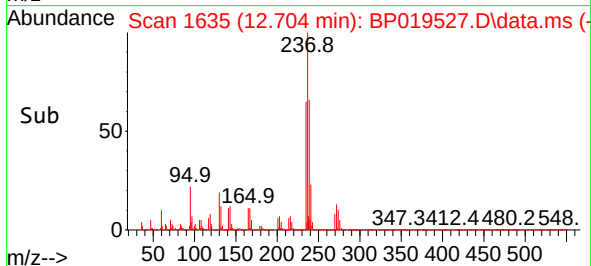
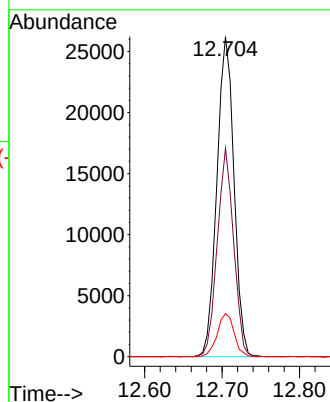
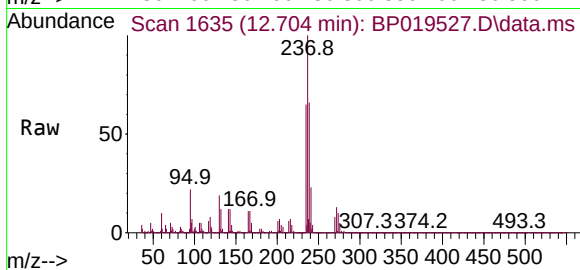
Tgt Ion:237 Resp: 40102

Ion Ratio Lower Upper

237 100

235 65.1 43.7 83.7

272 13.5 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 144.191 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

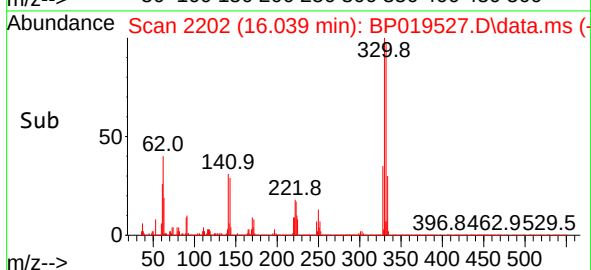
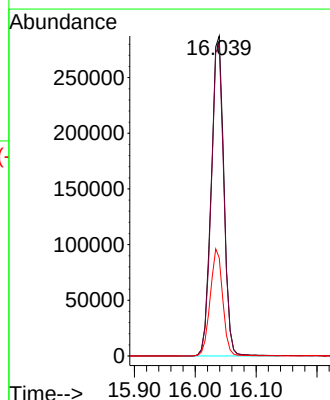
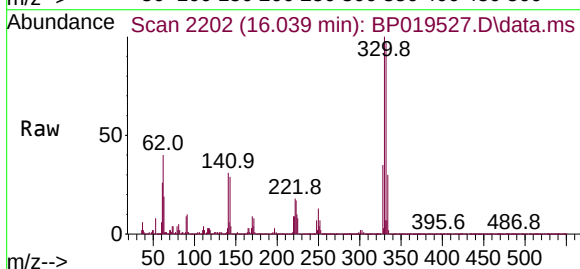
Tgt Ion:330 Resp: 414531

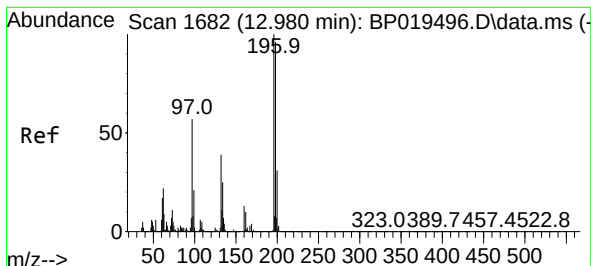
Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 33.2 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 9.852 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

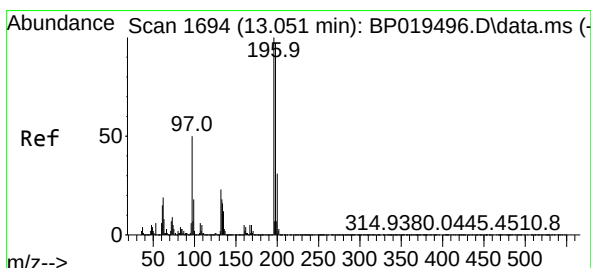
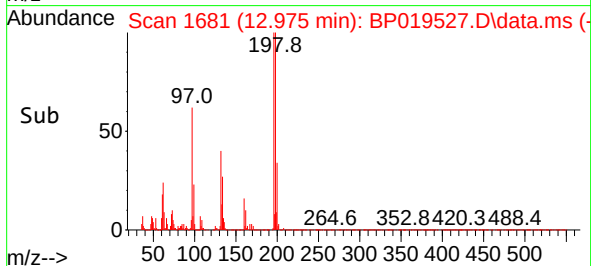
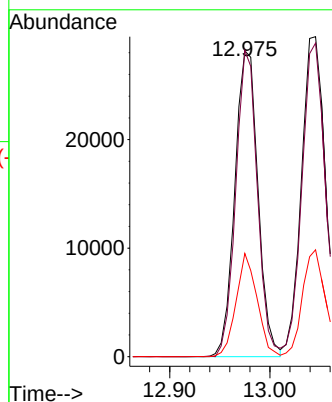
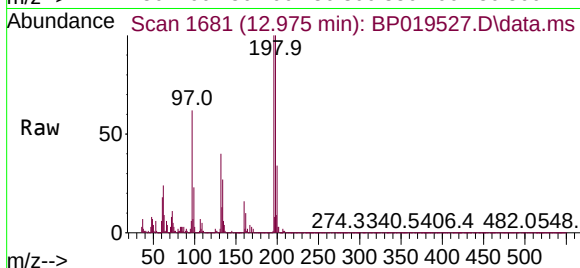
Tgt Ion:196 Resp: 45301

Ion Ratio Lower Upper

196 100

198 100.1 76.7 115.1

200 33.8 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 9.880 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:196 Resp: 49887

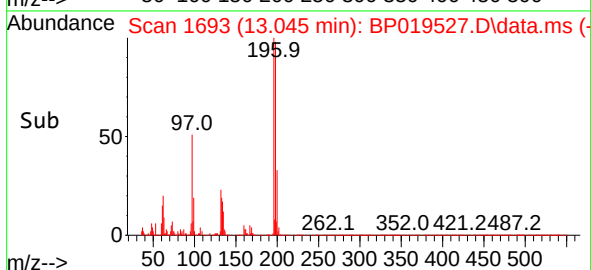
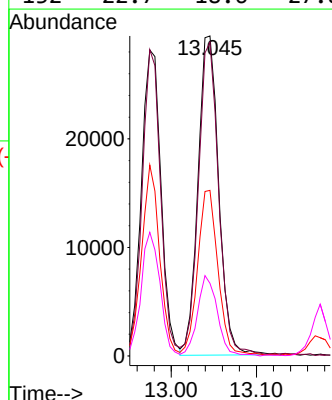
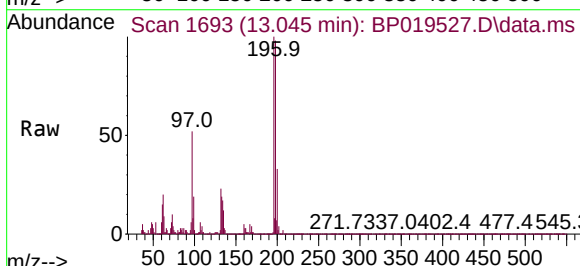
Ion Ratio Lower Upper

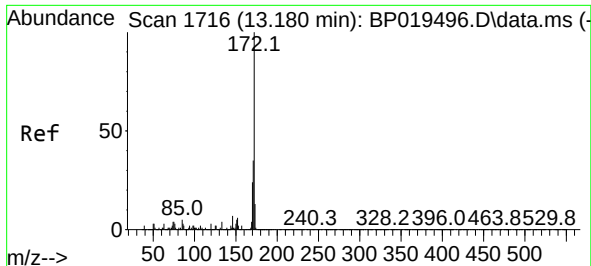
196 100

198 98.0 77.5 116.3

97 51.7 39.9 59.9

132 22.7 18.6 27.8

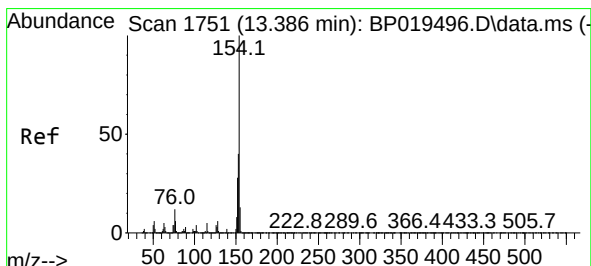
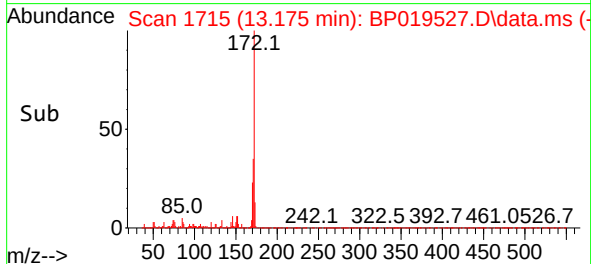
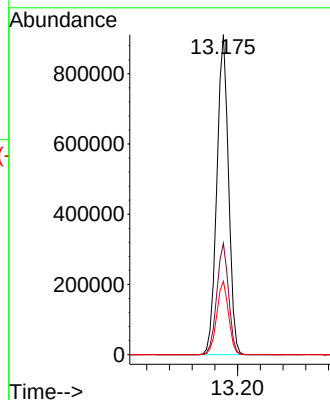
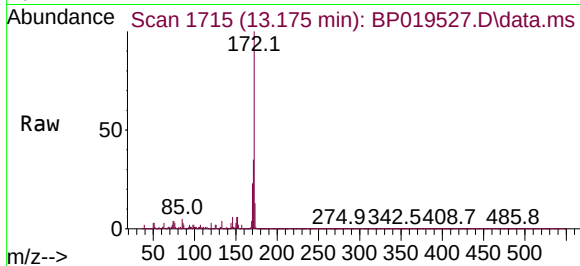




#45
2-Fluorobiphenyl
Concen: 81.281 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

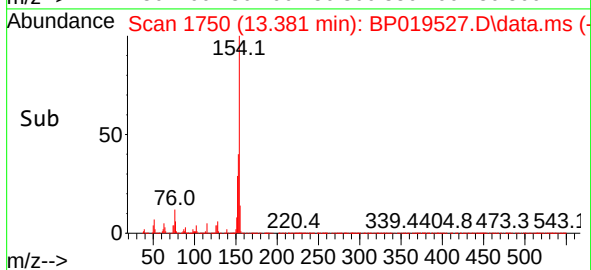
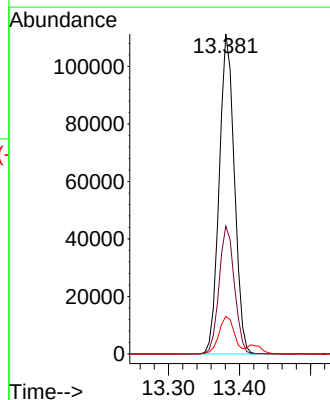
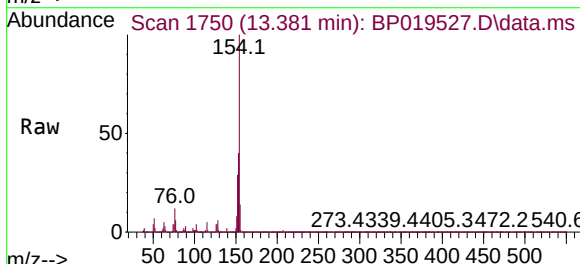
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

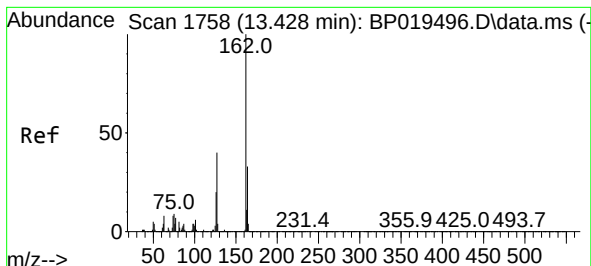
Tgt Ion:172 Resp: 1294600
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 10.446 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:154 Resp: 164167
Ion Ratio Lower Upper
154 100
153 40.0 20.2 60.2
76 11.7 0.0 31.6





#47

2-Chloronaphthalene

Concen: 9.922 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

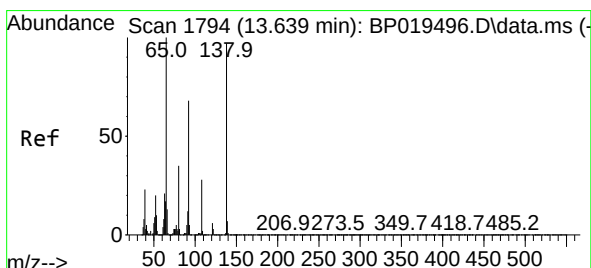
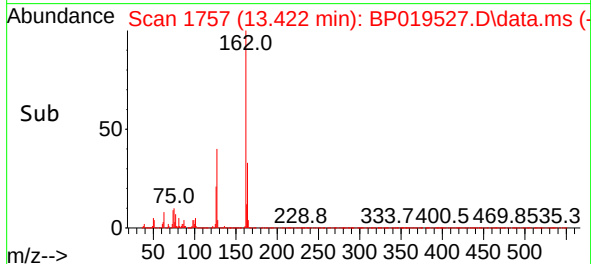
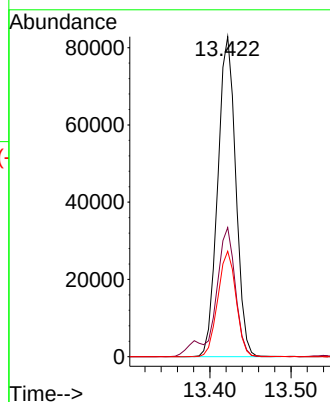
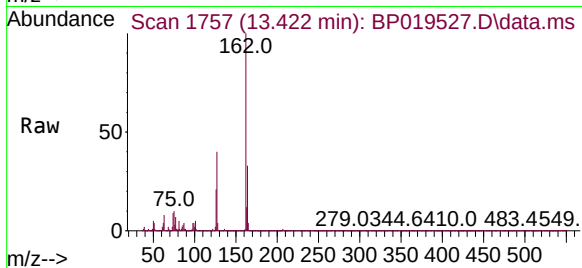
Tgt Ion:162 Resp: 127994

Ion Ratio Lower Upper

162 100

127 40.4 32.1 48.1

164 33.0 26.7 40.1



#48

2-Nitroaniline

Concen: 9.980 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

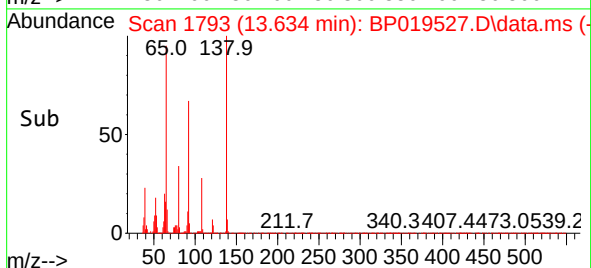
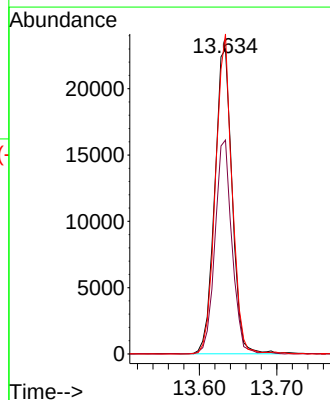
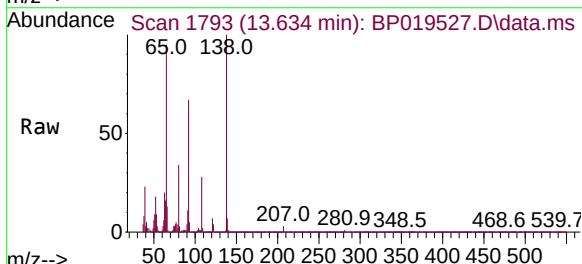
Tgt Ion: 65 Resp: 36001

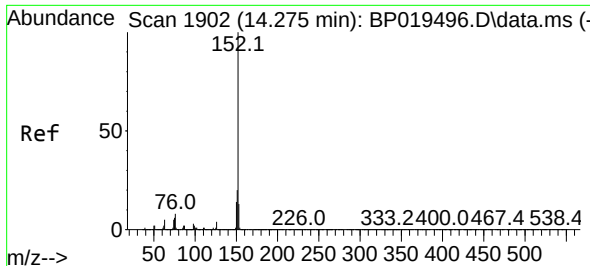
Ion Ratio Lower Upper

65 100

92 70.2 54.7 82.1

138 104.9 77.8 116.6

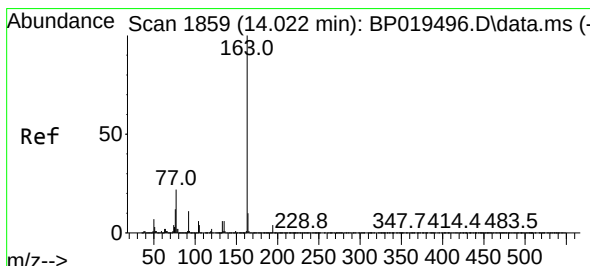
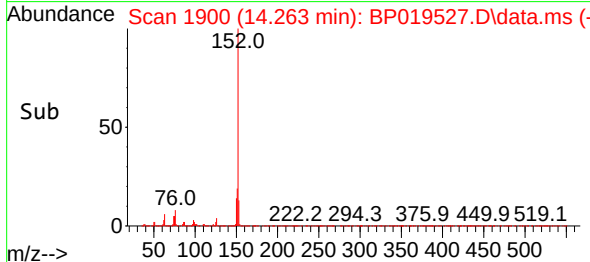
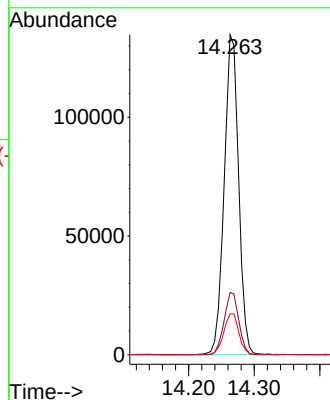
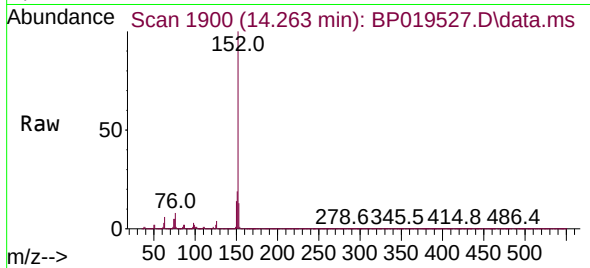




#49
Acenaphthylene
Concen: 11.323 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

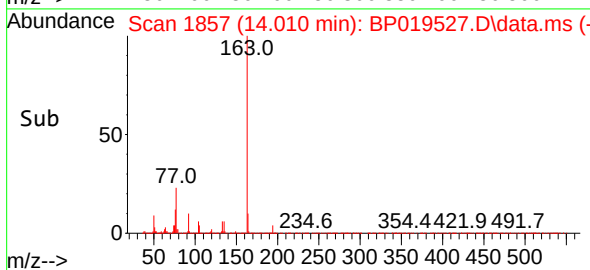
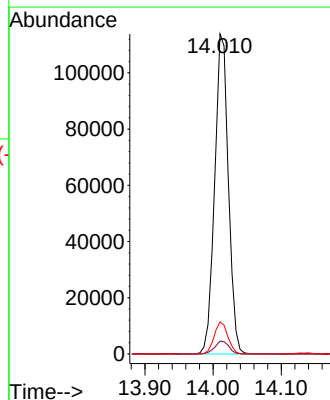
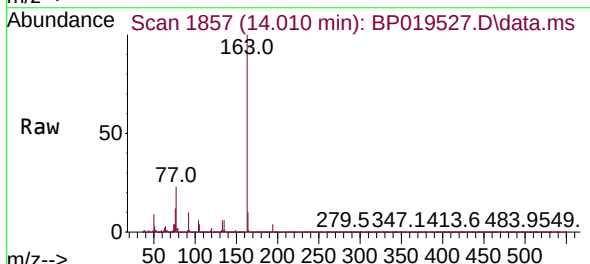
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

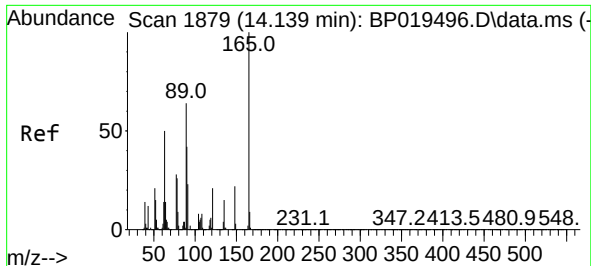
Tgt Ion:152	Resp: 204925
Ion Ratio	Lower Upper
152 100	
151 19.4	15.8 23.6
153 12.8	10.6 15.8



#50
Dimethylphthalate
Concen: 10.580 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:163	Resp: 159469
Ion Ratio	Lower Upper
163 100	
194 4.0	3.4 5.2
164 10.0	7.8 11.6

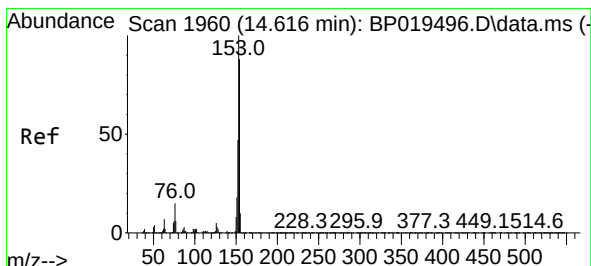
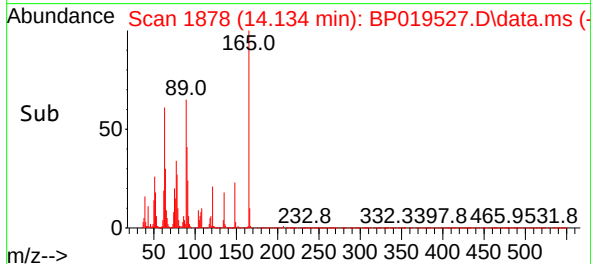
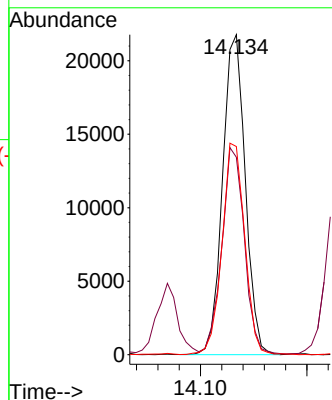
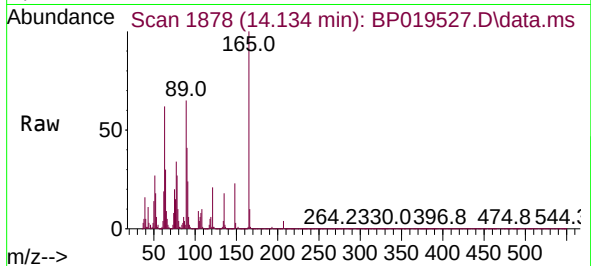




#51
2,6-Dinitrotoluene
Concen: 9.683 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

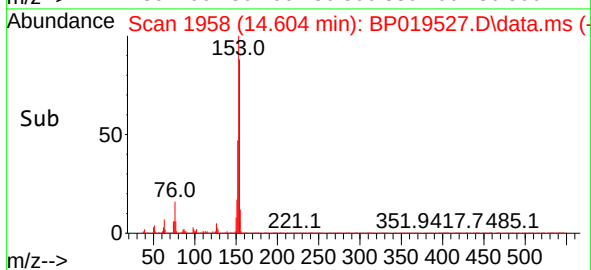
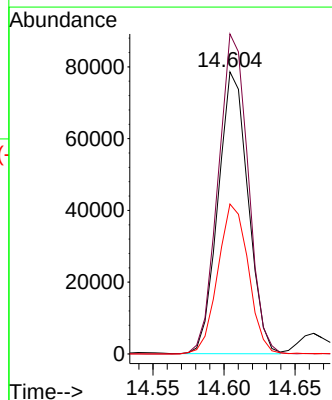
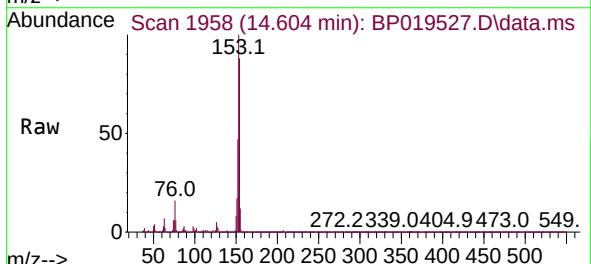
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

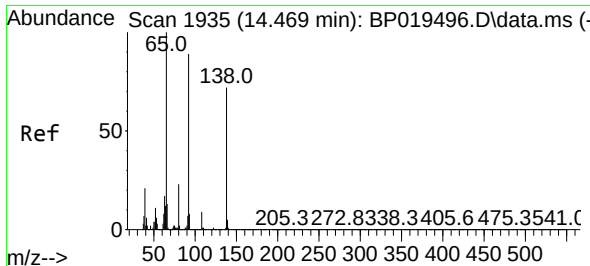
Tgt Ion:165 Resp: 32068
Ion Ratio Lower Upper
165 100
63 61.7 50.4 75.6
89 65.0 51.7 77.5



#52
Acenaphthene
Concen: 10.239 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:154 Resp: 115010
Ion Ratio Lower Upper
154 100
153 113.5 90.5 135.7
152 53.2 42.1 63.1

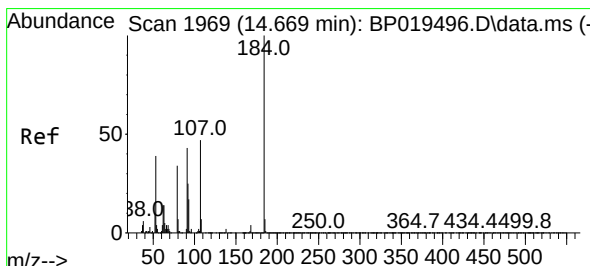
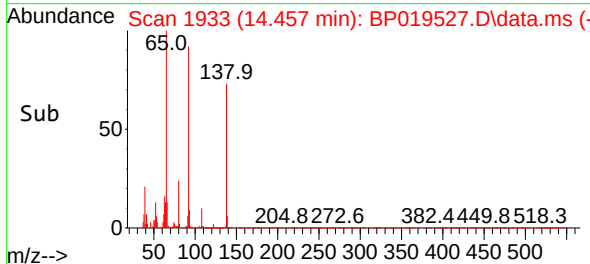
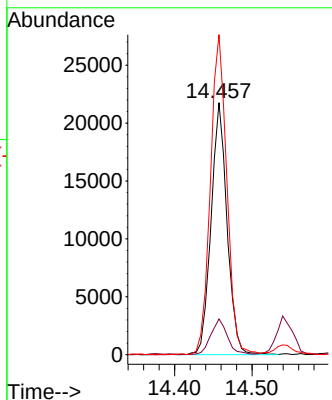
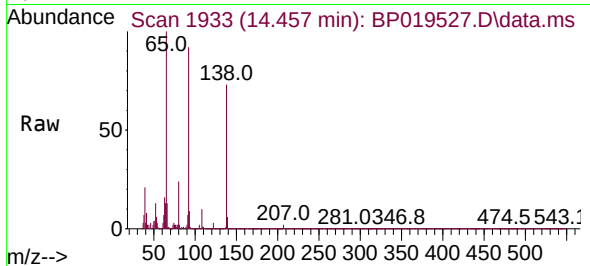




#53
3-Nitroaniline
Concen: 10.262 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

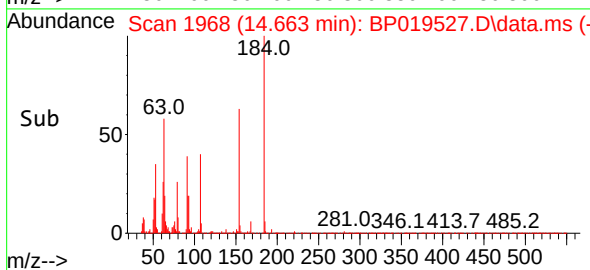
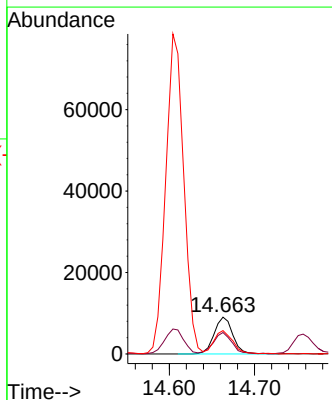
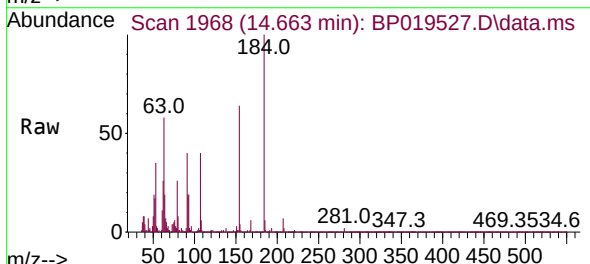
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2024

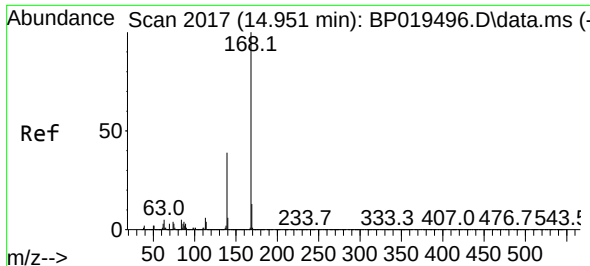
Tgt Ion:138 Resp: 31233
Ion Ratio Lower Upper
138 100
108 14.2 9.7 14.5
92 127.0 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 7.991 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:184 Resp: 13741
Ion Ratio Lower Upper
184 100
63 58.3 50.5 75.7
154 63.5 53.4 80.0

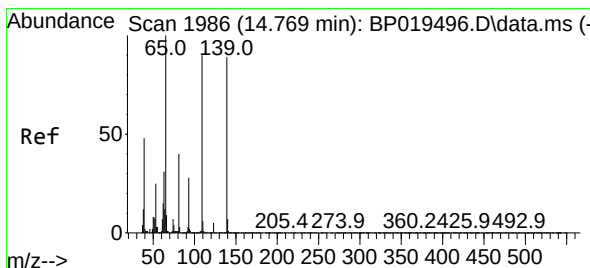
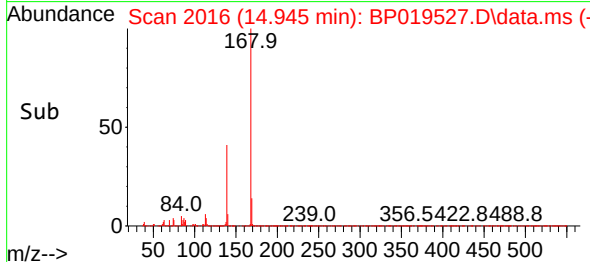
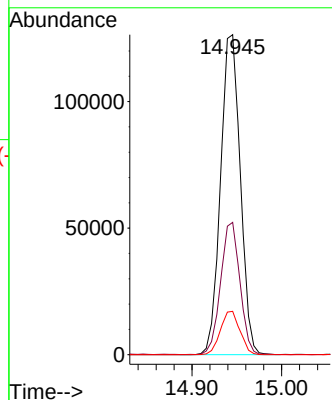
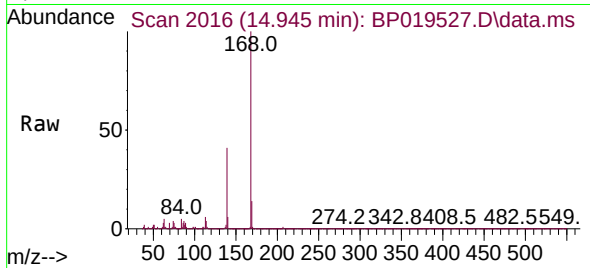




#55
Dibenzenofuran
Concen: 10.561 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

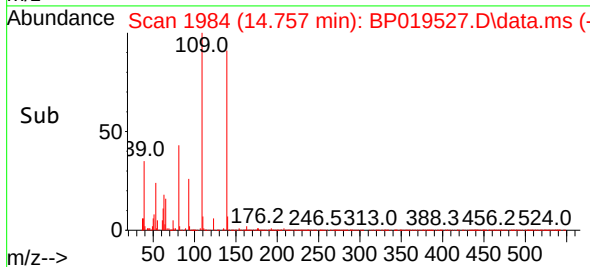
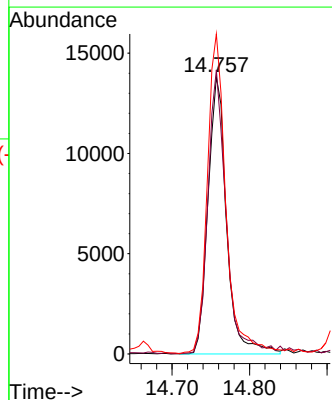
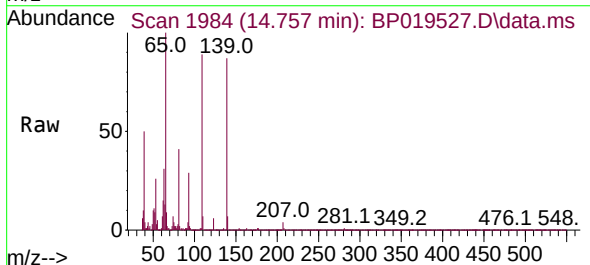
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

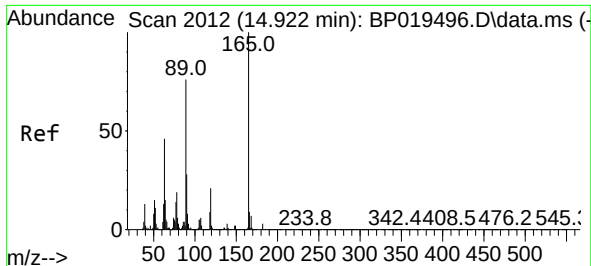
Tgt Ion:168 Resp: 193216
Ion Ratio Lower Upper
168 100
139 41.4 31.5 47.3
169 13.5 10.3 15.5



#56
4-Nitrophenol
Concen: 9.214 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:139 Resp: 22984
Ion Ratio Lower Upper
139 100
109 102.6 82.0 122.0
65 115.6 92.9 132.9

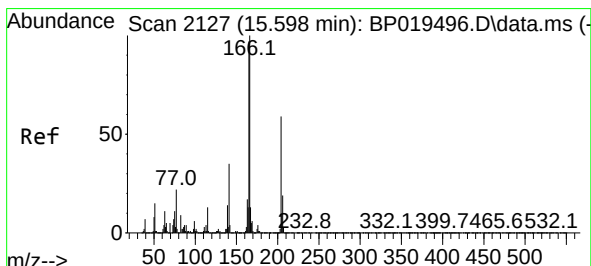
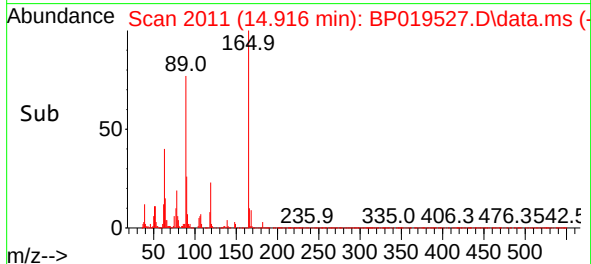
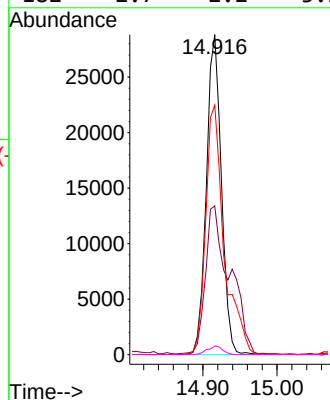
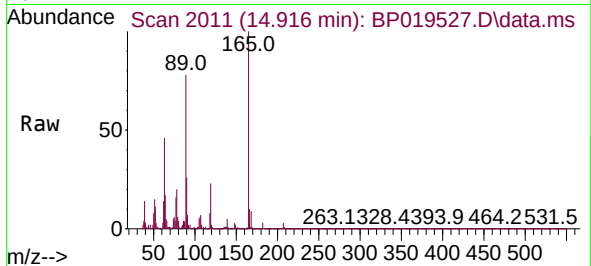




#57
2,4-Dinitrotoluene
Concen: 9.348 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

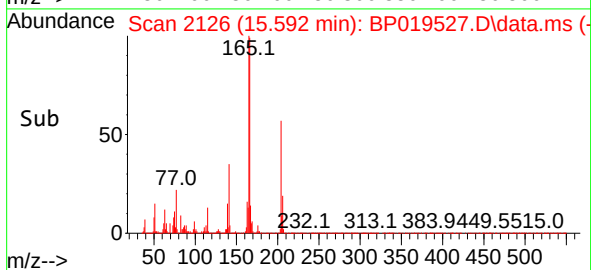
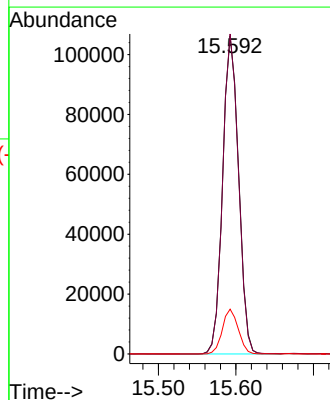
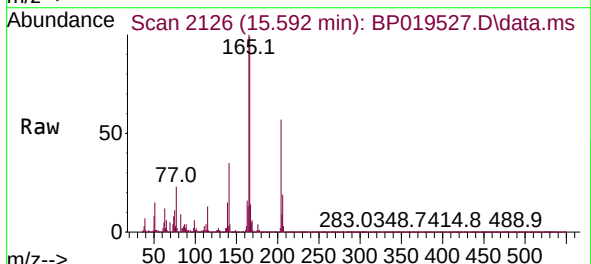
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

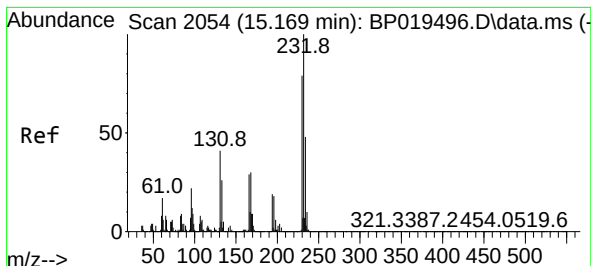
Tgt Ion:165 Resp: 40569
Ion Ratio Lower Upper
165 100
63 46.5 36.9 55.3
89 78.0 61.1 91.7
182 2.7 2.2 3.2



#58
Fluorene
Concen: 10.434 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:166 Resp: 152048
Ion Ratio Lower Upper
166 100
165 100.6 77.8 116.8
167 14.1 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.468 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:232 Resp: 44458

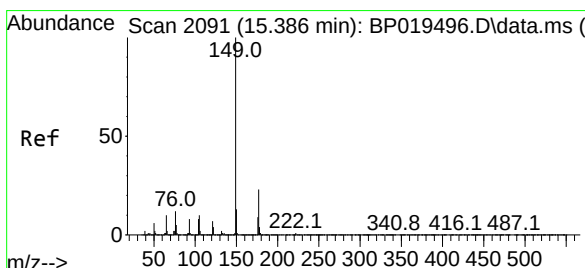
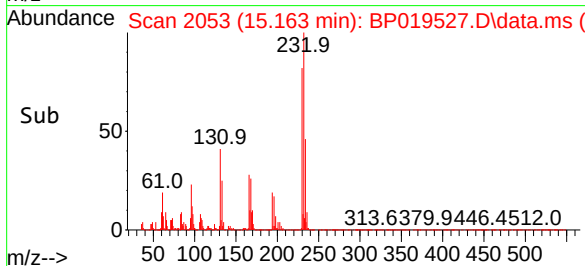
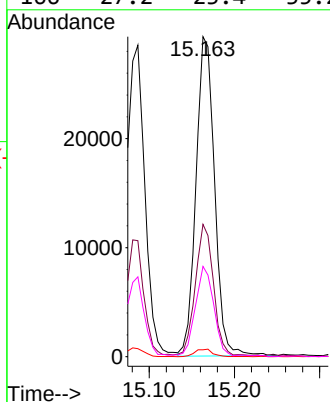
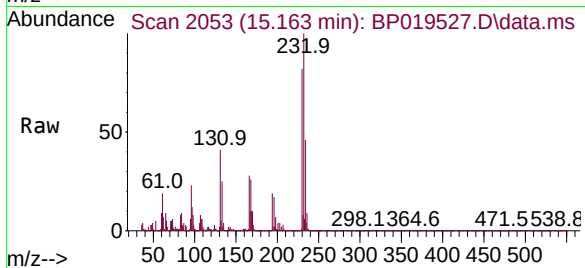
Ion Ratio Lower Upper

232 100

131 40.8 32.4 48.6

130 2.3 1.9 2.9

166 27.2 23.4 35.2



#60

Diethylphthalate

Concen: 10.185 ng

RT: 15.381 min Scan# 2090

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

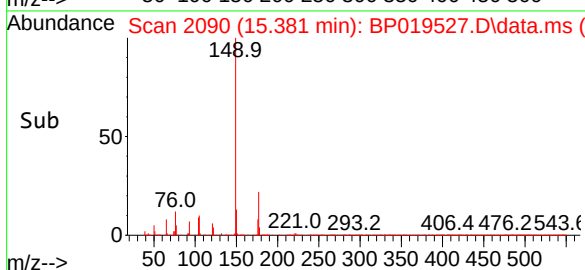
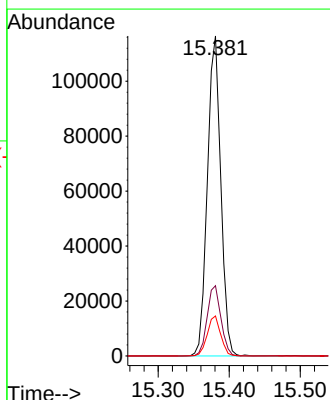
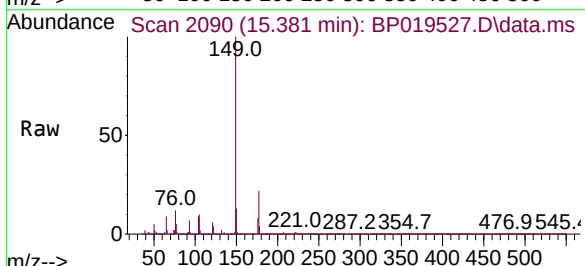
Tgt Ion:149 Resp: 152703

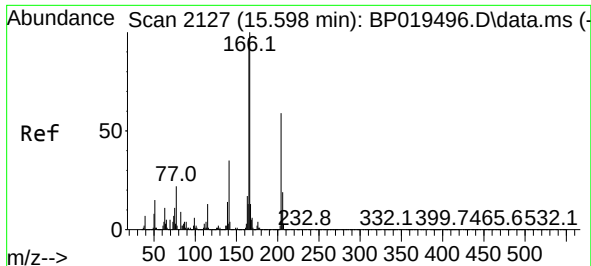
Ion Ratio Lower Upper

149 100

177 22.0 18.2 27.2

150 12.5 10.2 15.4

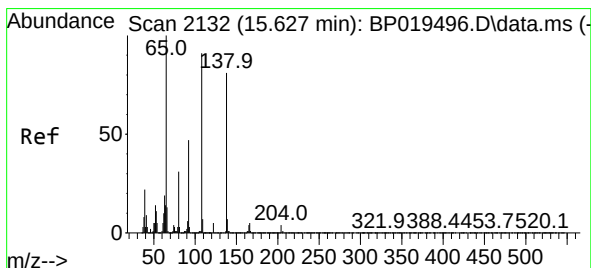
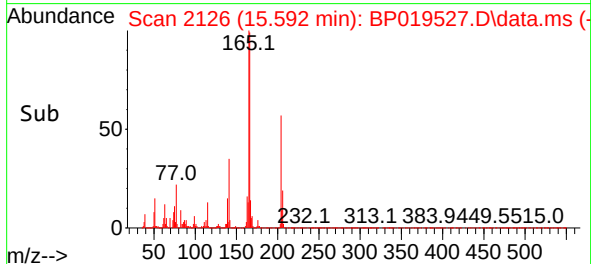
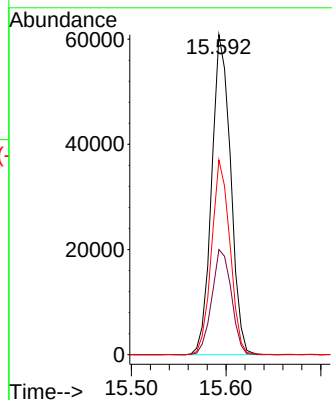
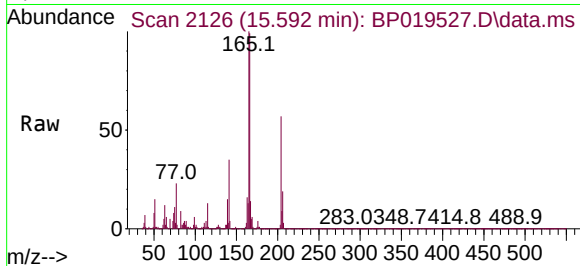




#61
4-Chlorophenyl-phenylether
Concen: 10.319 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

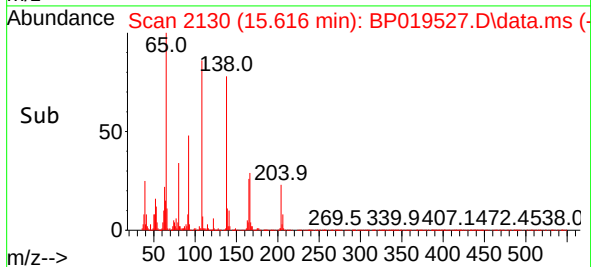
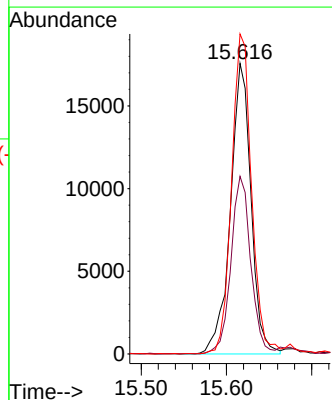
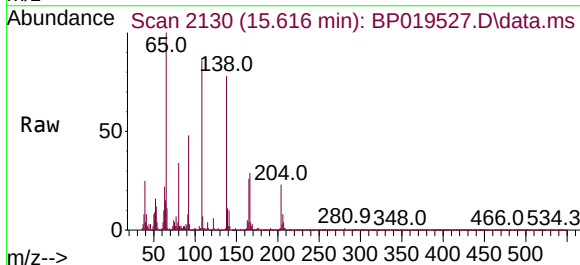
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

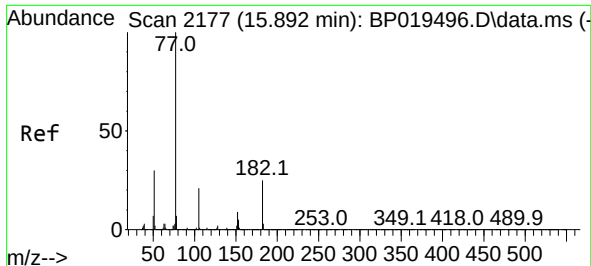
Tgt Ion:204 Resp: 84510
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 60.9 48.5 72.7



#62
4-Nitroaniline
Concen: 9.238 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:138 Resp: 29469
Ion Ratio Lower Upper
138 100
92 61.1 38.3 78.3
108 110.2 91.2 131.2

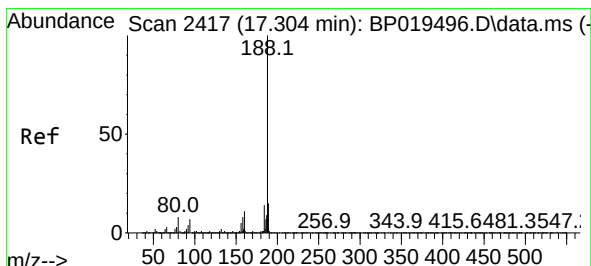
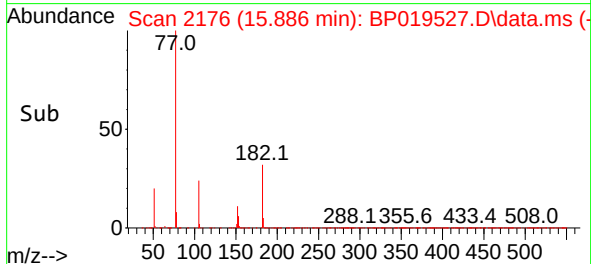
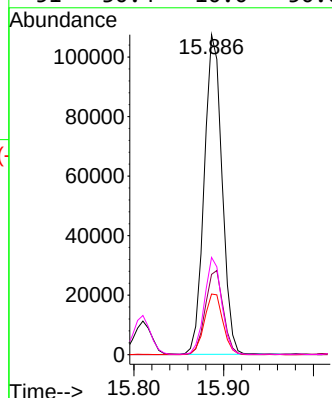
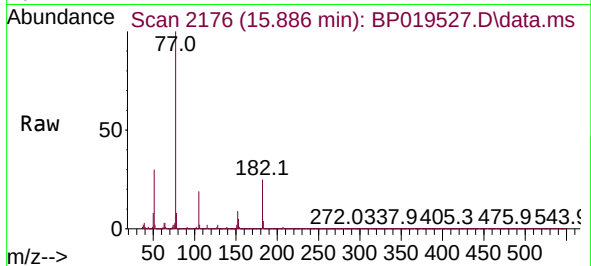




#63
Azobenzene
Concen: 10.202 ng
RT: 15.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

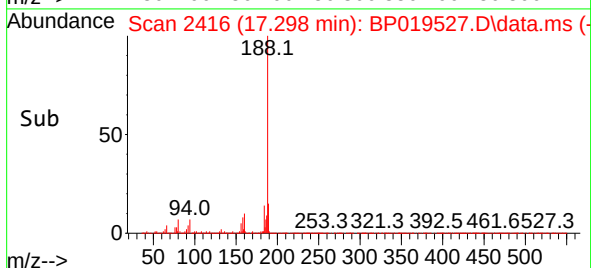
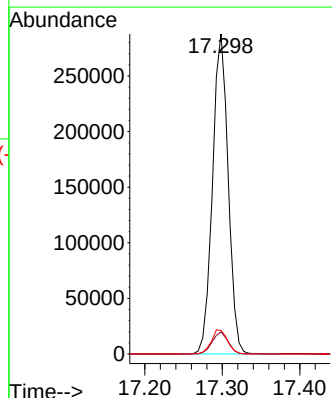
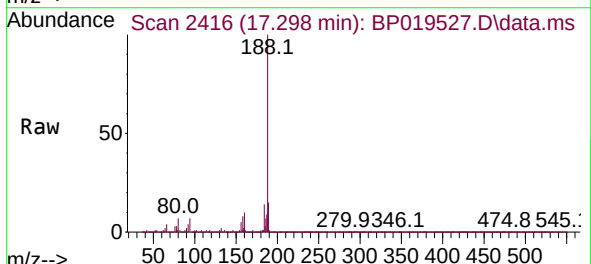
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

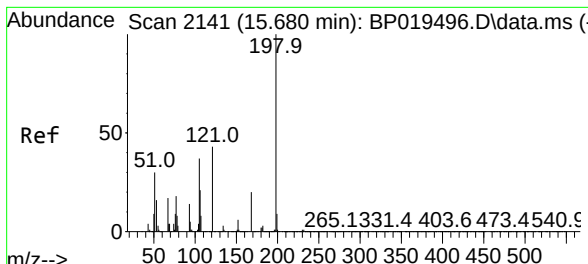
Tgt Ion:	77	Resp:	147908
Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	18.9	0.8	40.8
51	30.4	10.0	50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:	188	Resp:	403517
Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.4	8.2
80	7.4	6.3	9.5

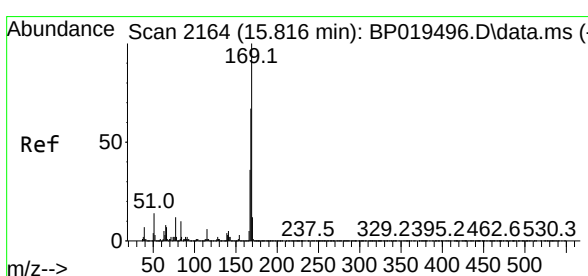
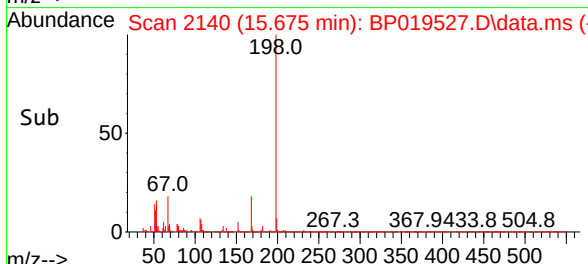
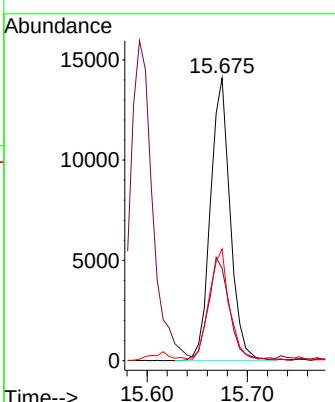
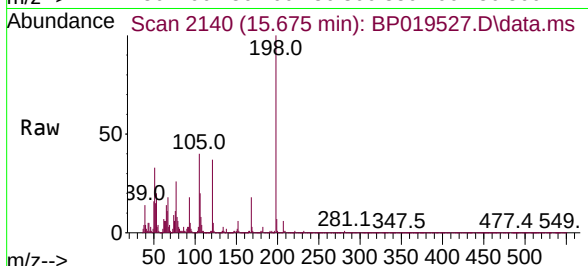




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.349 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

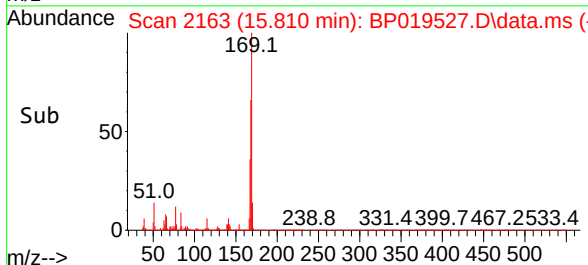
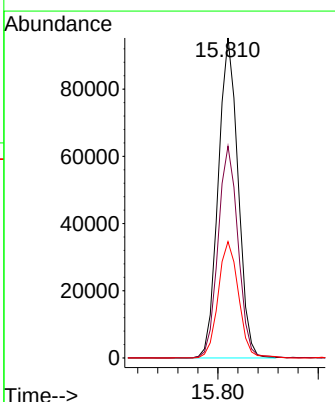
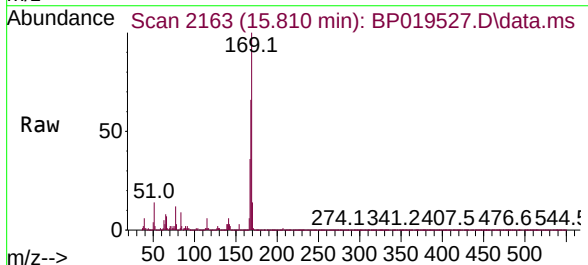
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT1-2024

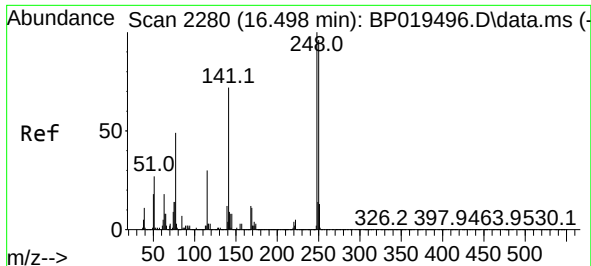
Tgt Ion:	198	Resp:	19209
Ion	Ratio	Lower	Upper
198	100		
51	32.7	21.2	61.2
105	39.6	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 10.809 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

Tgt Ion:	169	Resp:	130624
Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.4	80.2
167	36.4	28.9	43.3

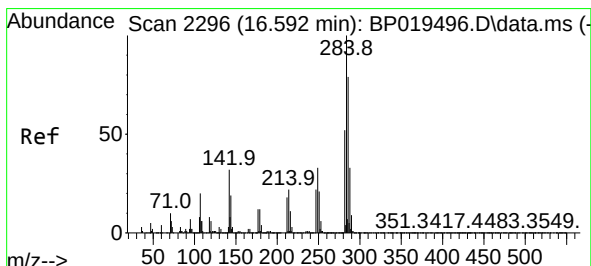
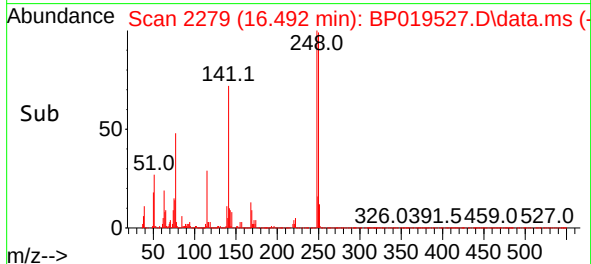
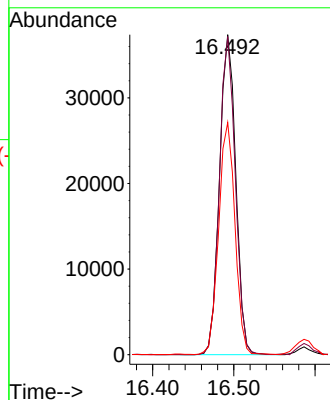
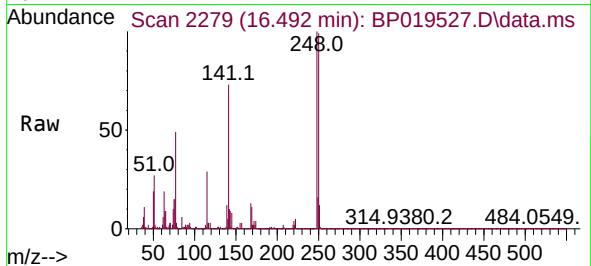




#67
4-Bromophenyl-phenylether
Concen: 10.307 ng
RT: 16.492 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

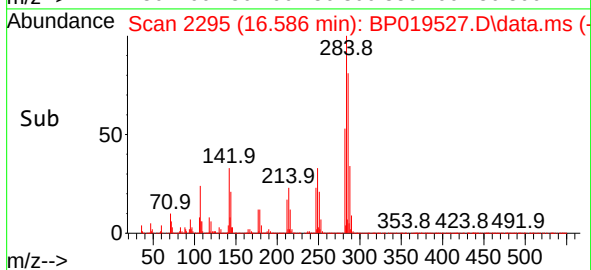
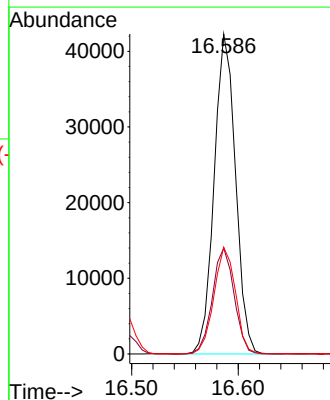
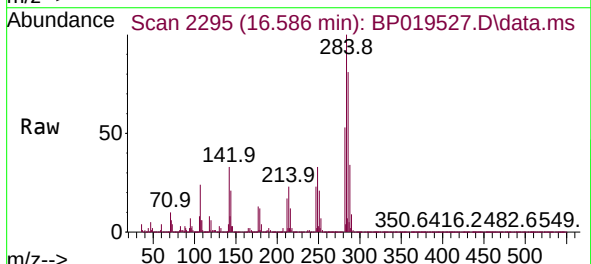
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

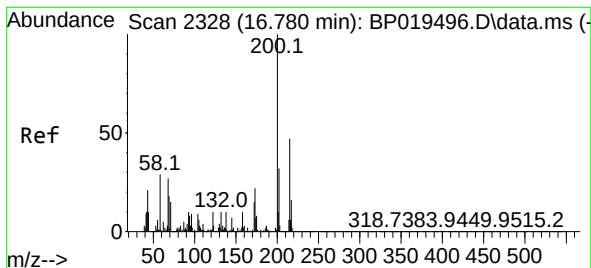
Tgt Ion:248	Resp:	51992
Ion Ratio	Lower	Upper
248	100	
250	99.4	76.9 115.3
141	72.5	58.0 87.0



#68
Hexachlorobenzene
Concen: 9.984 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:284	Resp:	58815
Ion Ratio	Lower	Upper
284	100	
142	33.1	25.4 38.2
249	33.3	26.5 39.7





#69

Atrazine

Concen: 11.594 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

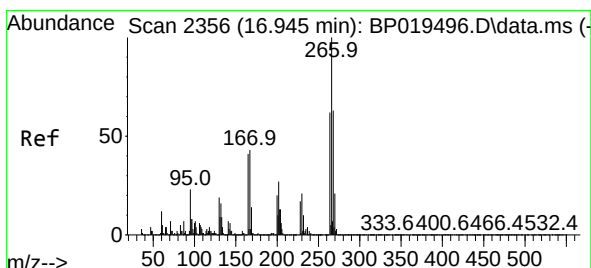
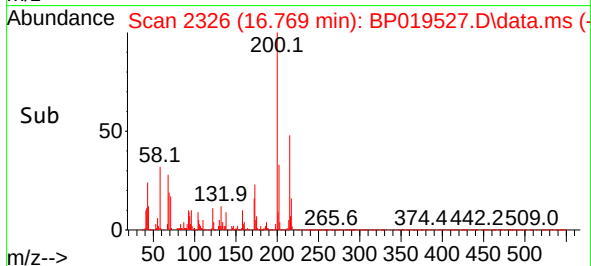
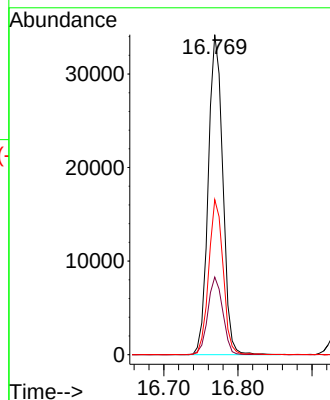
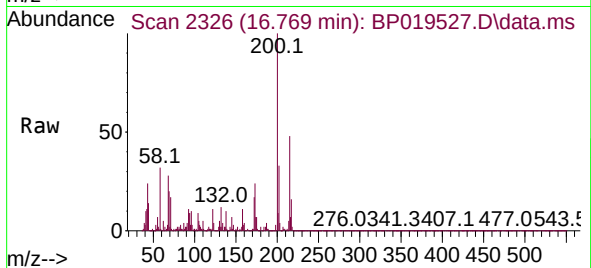
Tgt Ion:200 Resp: 46496

Ion Ratio Lower Upper

200 100

173 24.2 1.7 41.7

215 48.4 26.9 66.9



#70

Pentachlorophenol

Concen: 8.175 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

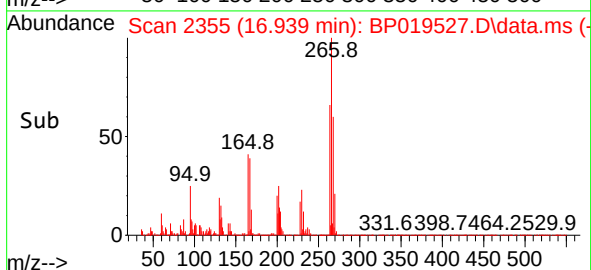
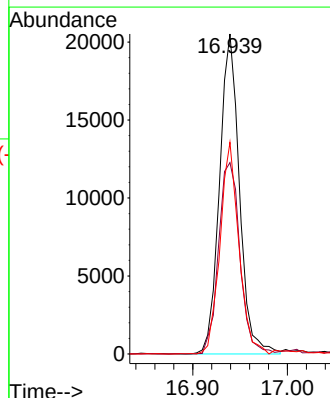
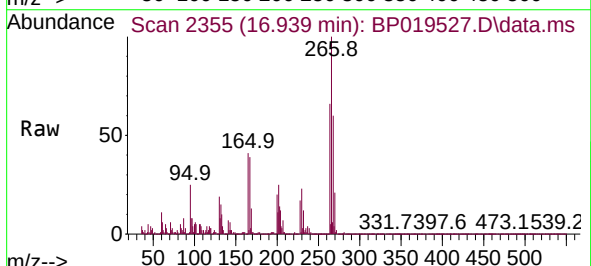
Tgt Ion:266 Resp: 29989

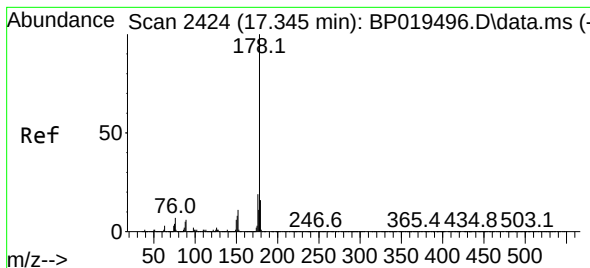
Ion Ratio Lower Upper

266 100

268 59.8 50.3 75.5

264 66.2 49.7 74.5





#71

Phenanthrene

Concen: 10.676 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

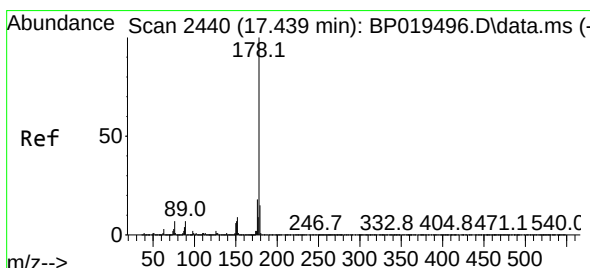
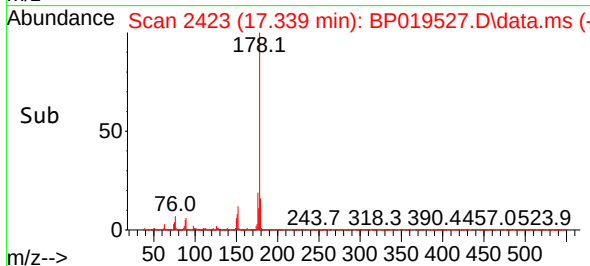
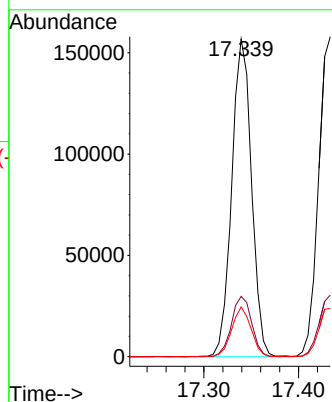
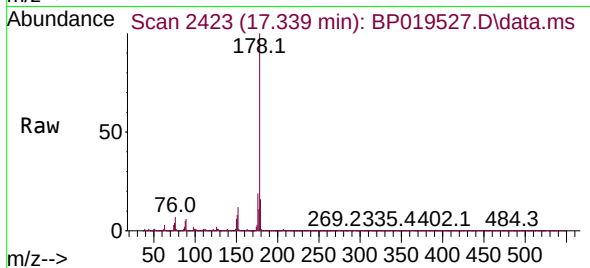
Tgt Ion:178 Resp: 226705

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.7 12.6 19.0



#72

Anthracene

Concen: 10.680 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

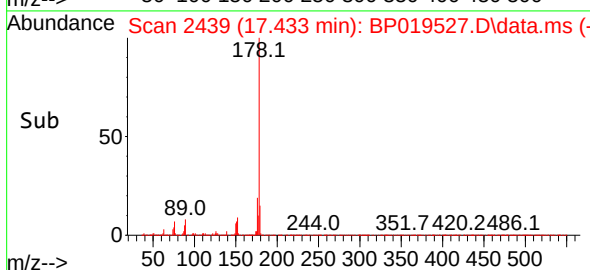
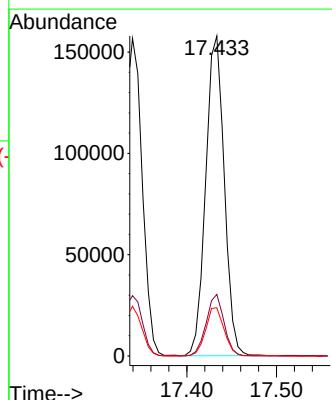
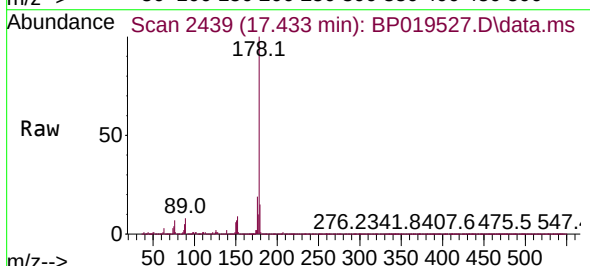
Tgt Ion:178 Resp: 226246

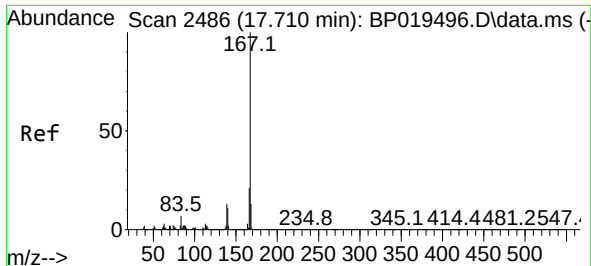
Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

179 15.1 12.2 18.2

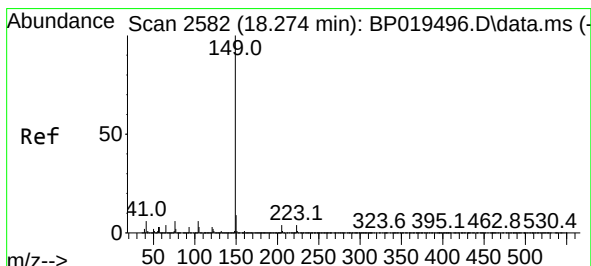
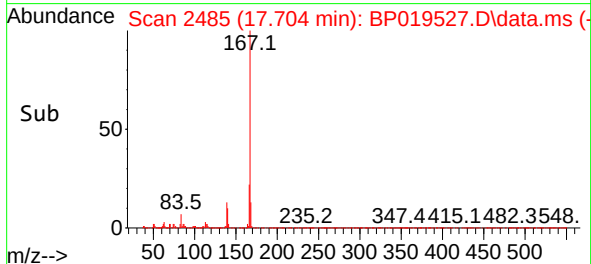
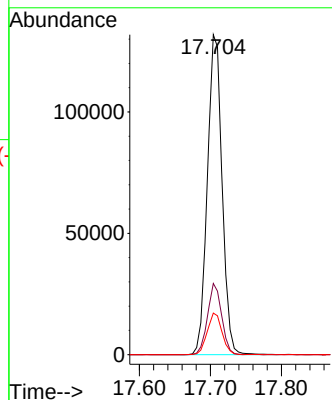
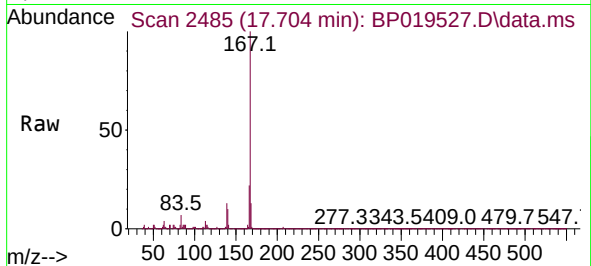




#73
 Carbazole
 Concen: 9.882 ng
 RT: 17.704 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

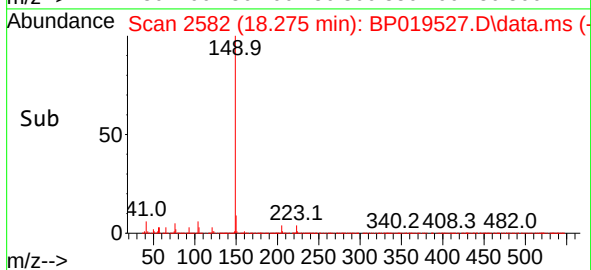
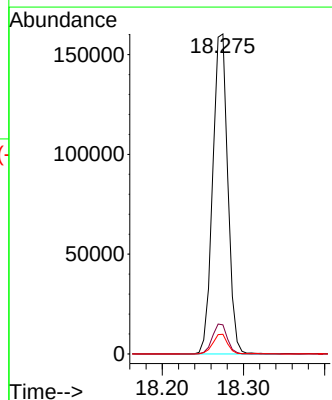
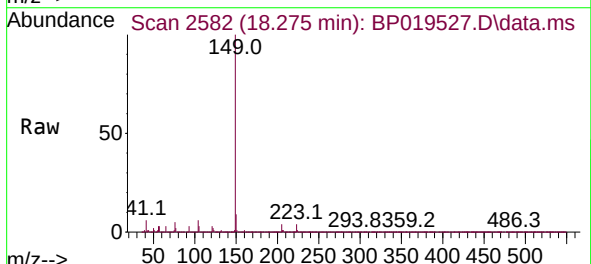
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT1-2024

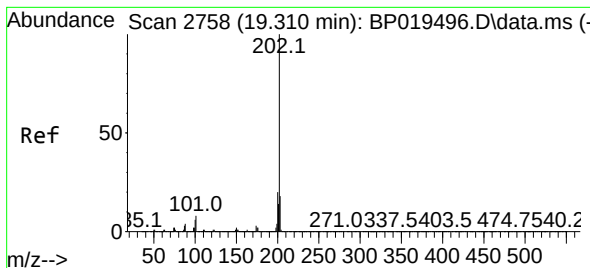
Tgt Ion:167	Resp: 190171
Ion Ratio	Lower Upper
167 100	
166 22.2	17.2 25.8
139 13.0	10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 8.867 ng
 RT: 18.275 min Scan# 2582
 Delta R.T. 0.000 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

Tgt Ion:149	Resp: 206319
Ion Ratio	Lower Upper
149 100	
150 9.1	7.3 10.9
104 6.1	4.8 7.2





#75

Fluoranthene

Concen: 9.191 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

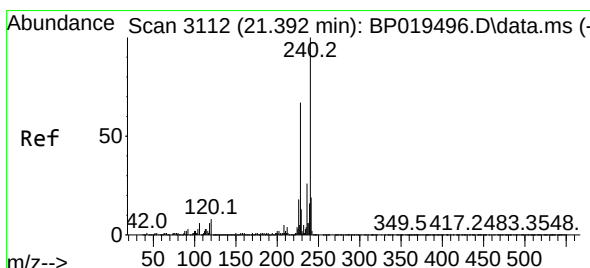
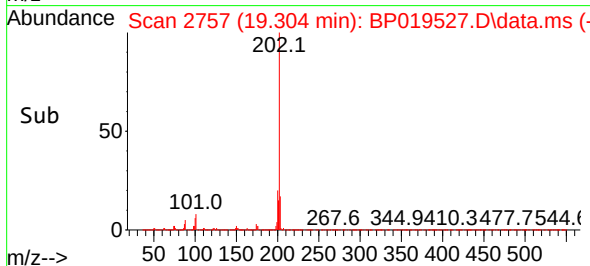
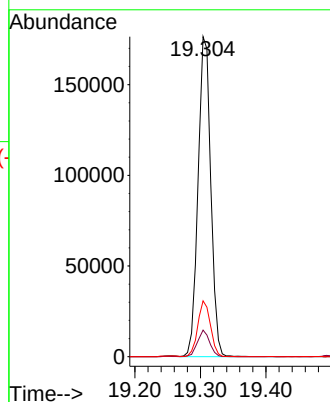
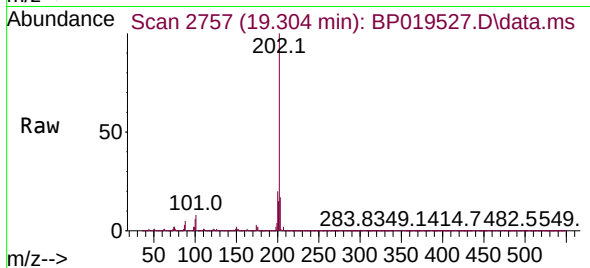
Tgt Ion:202 Resp: 238442

Ion Ratio Lower Upper

202 100

101 8.3 0.0 27.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

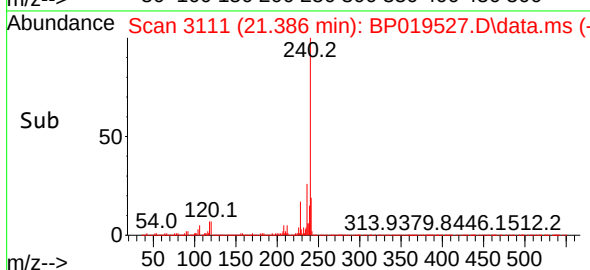
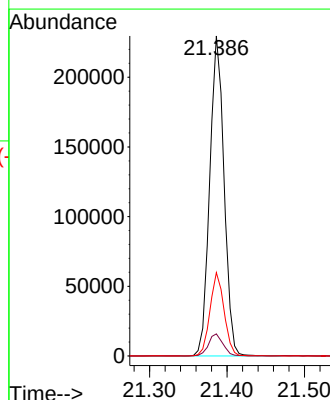
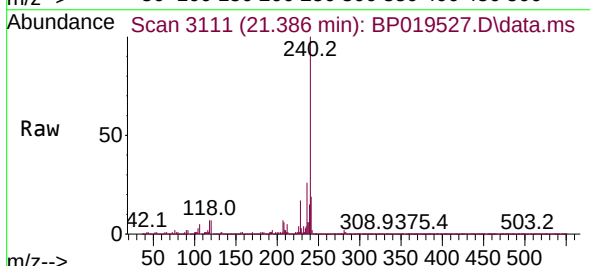
Tgt Ion:240 Resp: 294872

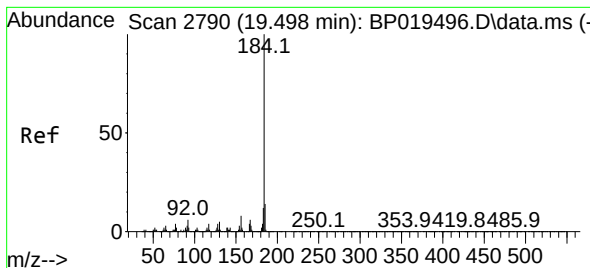
Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 26.1 20.7 31.1





#77

Benzidine

Concen: 17.539 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

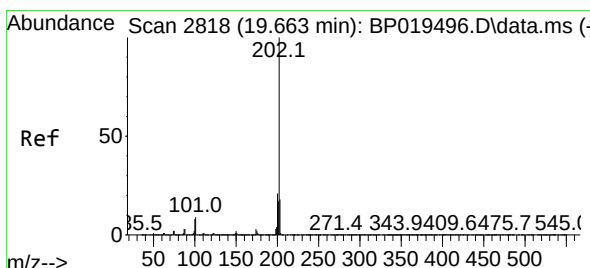
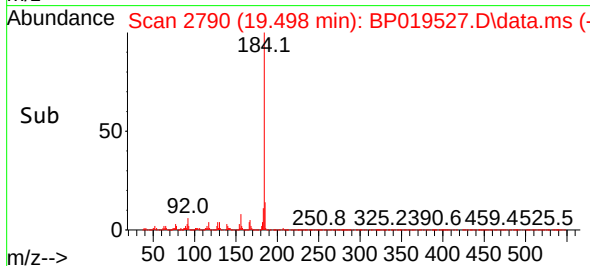
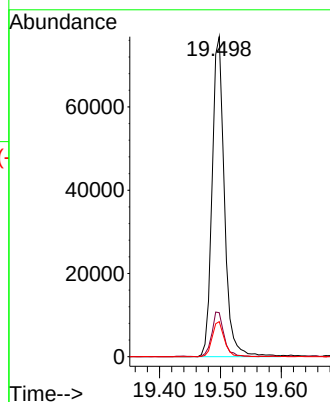
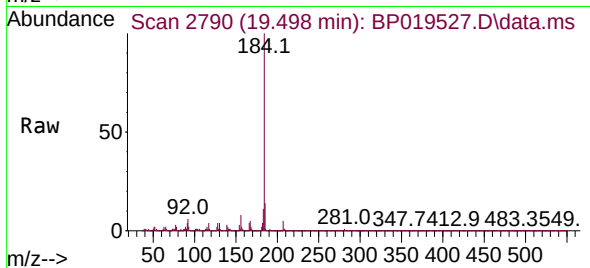
Tgt Ion:184 Resp: 108127

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

183 10.9 9.7 14.5



#78

Pyrene

Concen: 11.760 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

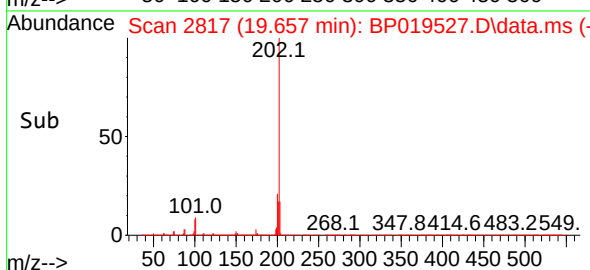
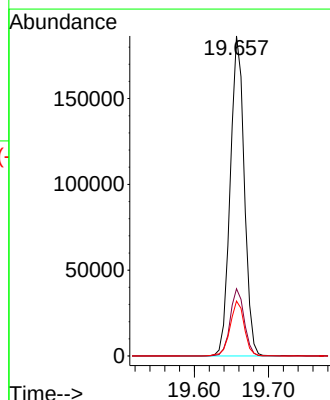
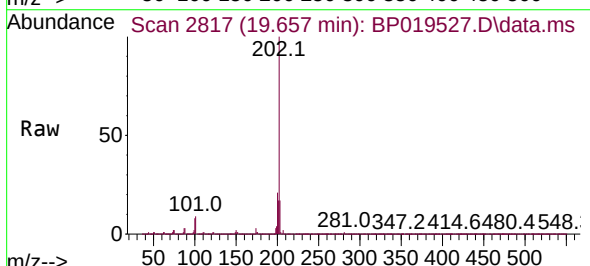
Tgt Ion:202 Resp: 244725

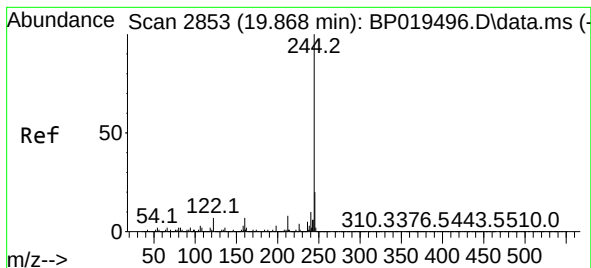
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 92.706 ng

RT: 19.863 min Scan# 2

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

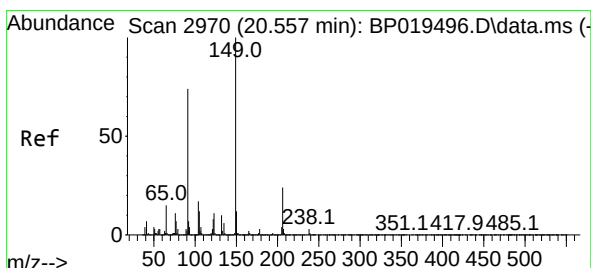
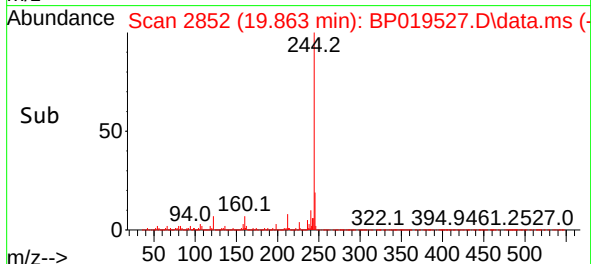
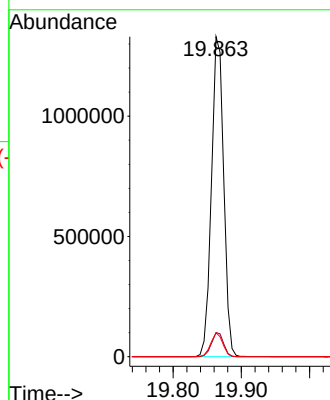
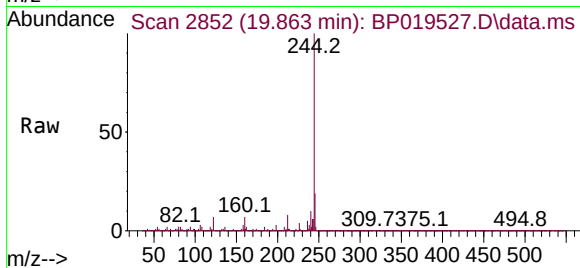
Tgt Ion:244 Resp: 1662249

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.5 5.9 8.9



#80

Butylbenzylphthalate

Concen: 9.014 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

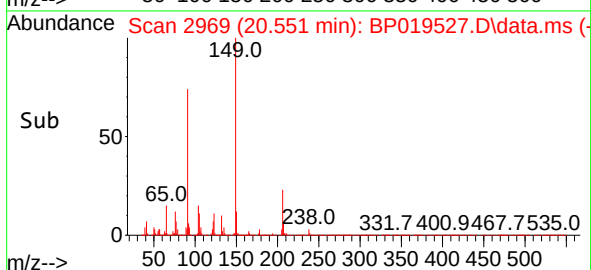
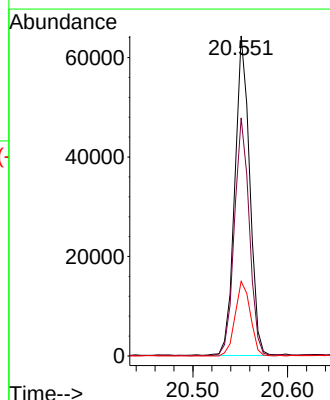
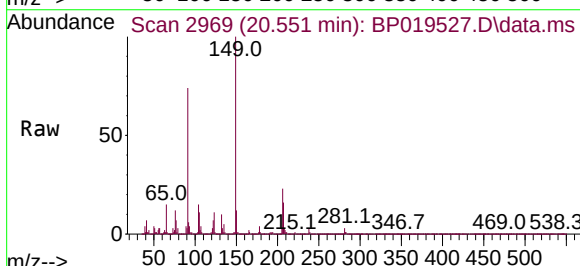
Tgt Ion:149 Resp: 70057

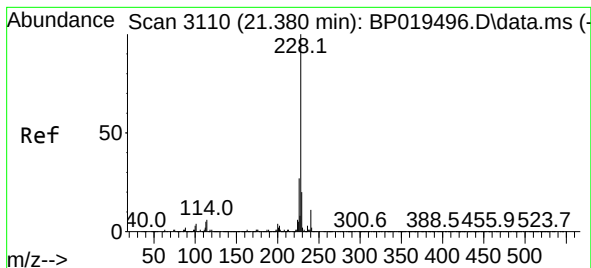
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.0

206 23.3 19.0 28.6





#81

Benzo(a)anthracene

Concen: 10.497 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

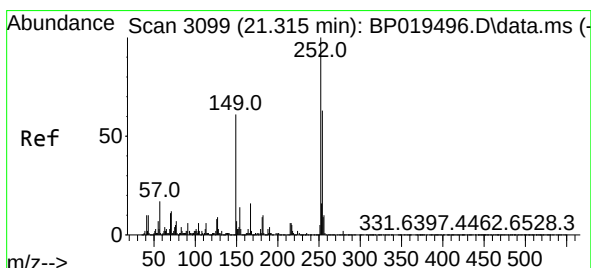
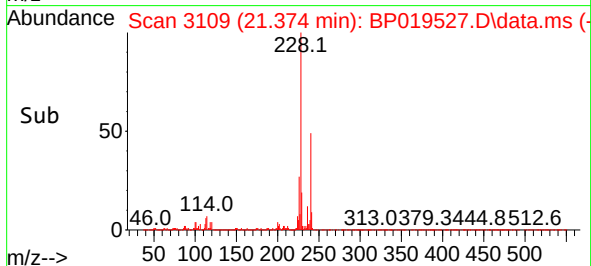
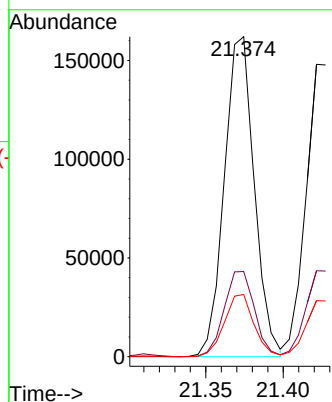
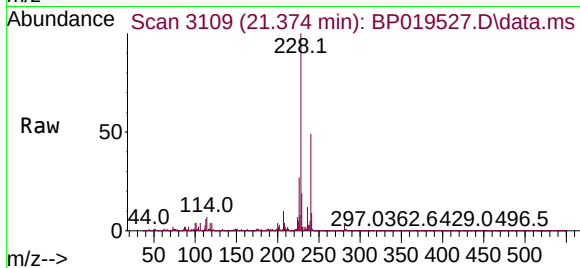
Tgt Ion:228 Resp: 217889

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 10.621 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

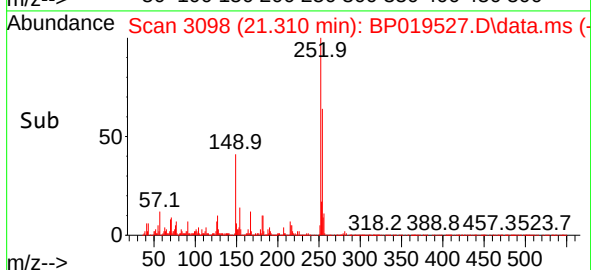
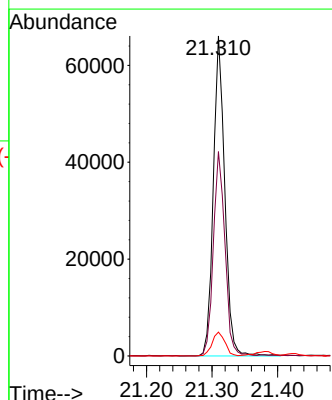
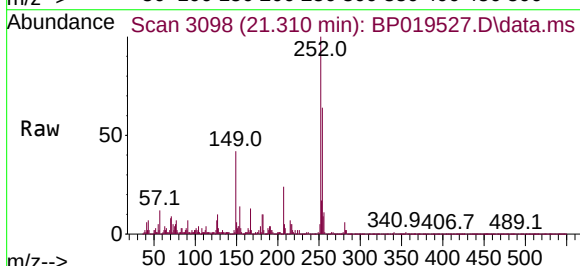
Tgt Ion:252 Resp: 80332

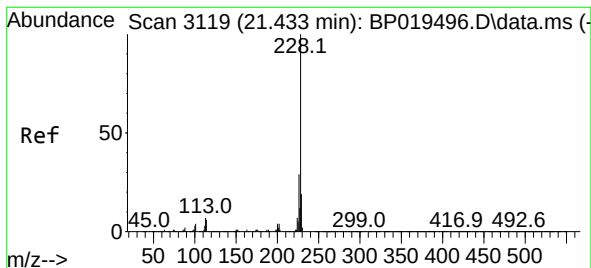
Ion Ratio Lower Upper

252 100

254 63.9 50.7 76.1

126 7.5 6.4 9.6





#83

Chrysene

Concen: 10.259 ng

RT: 21.421 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

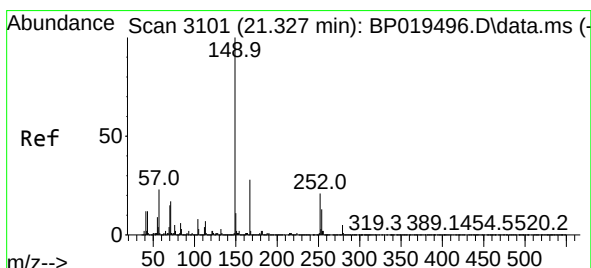
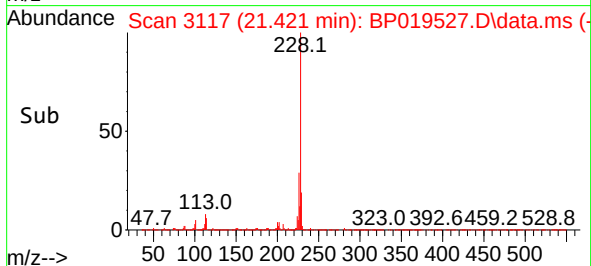
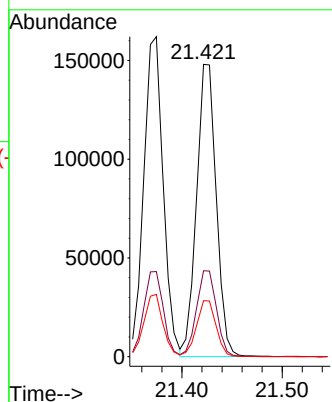
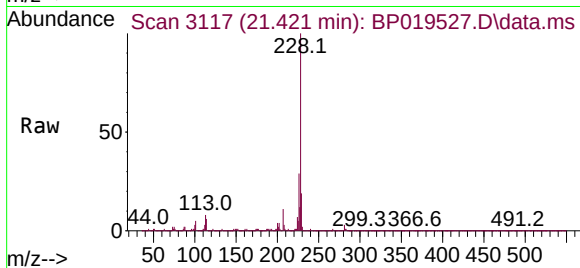
Tgt Ion:228 Resp: 202168

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

229 19.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.627 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

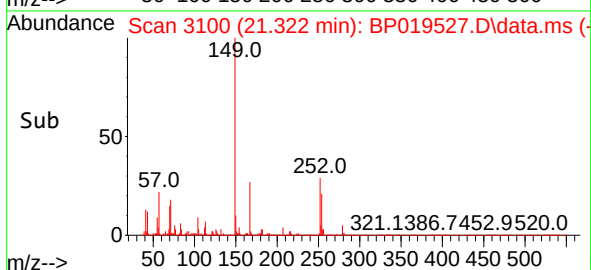
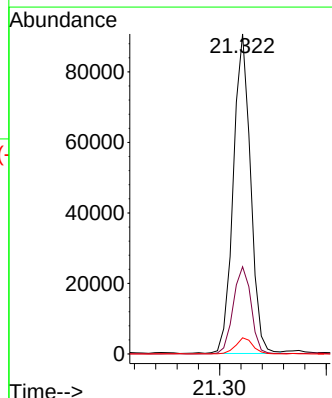
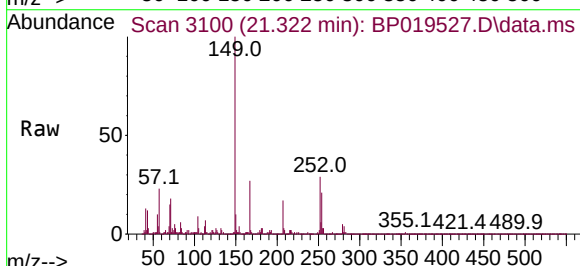
Tgt Ion:149 Resp: 102091

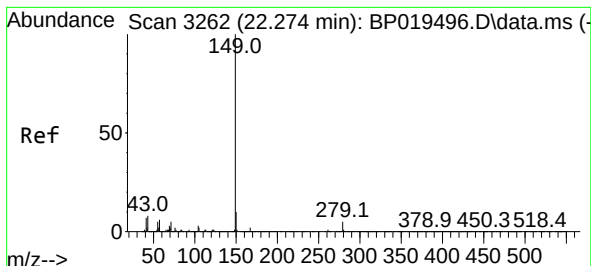
Ion Ratio Lower Upper

149 100

167 27.2 22.7 34.1

279 5.1 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 8.081 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

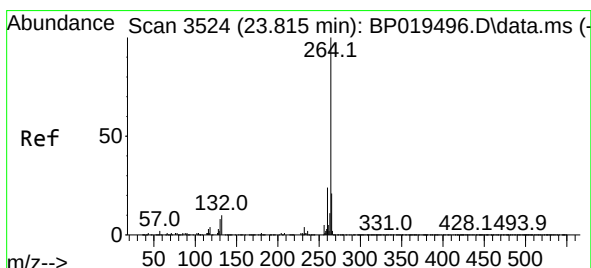
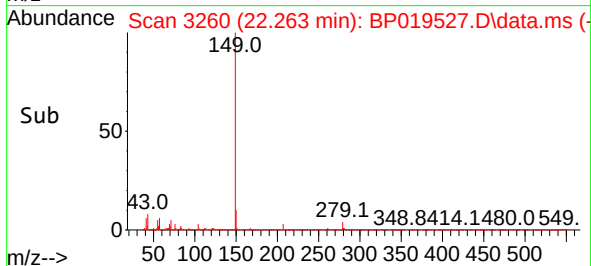
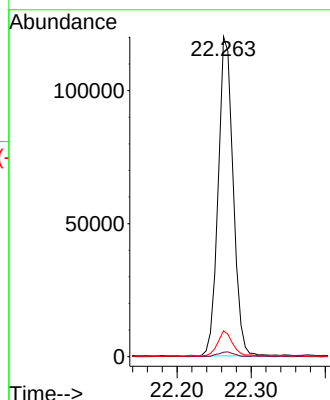
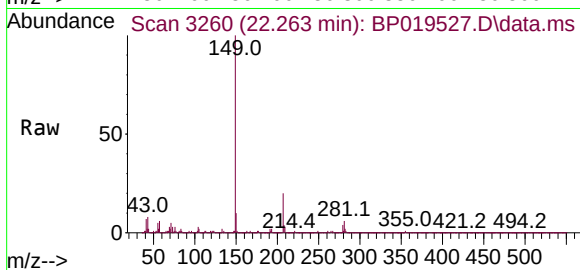
Tgt Ion:149 Resp: 168263

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.9 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

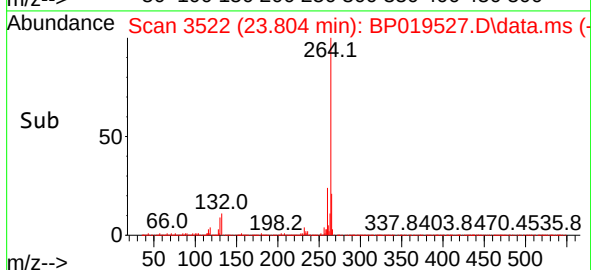
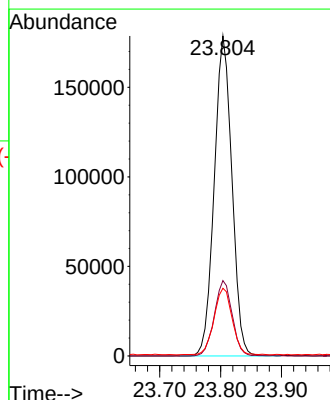
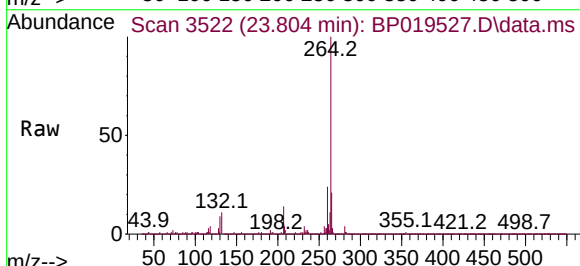
Tgt Ion:264 Resp: 359891

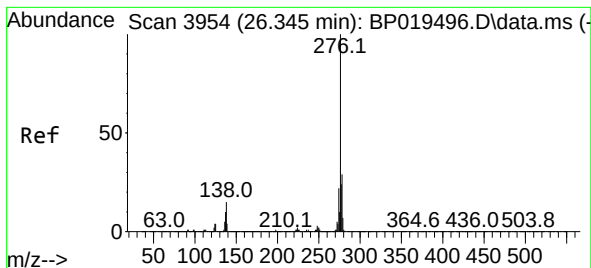
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.009 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

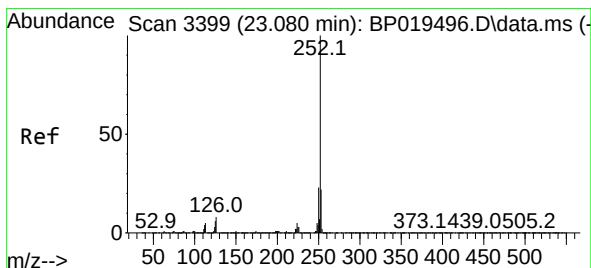
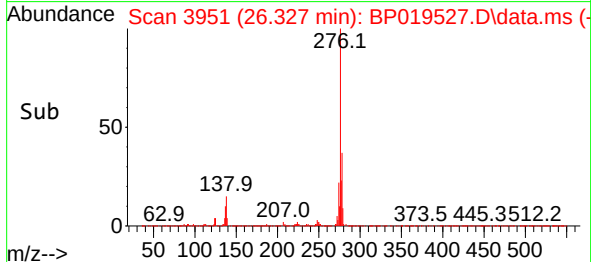
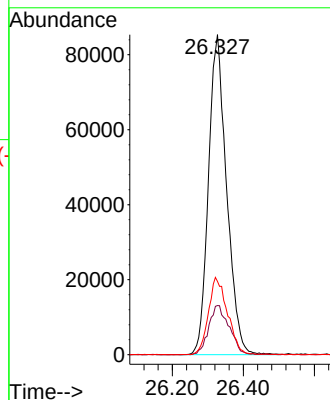
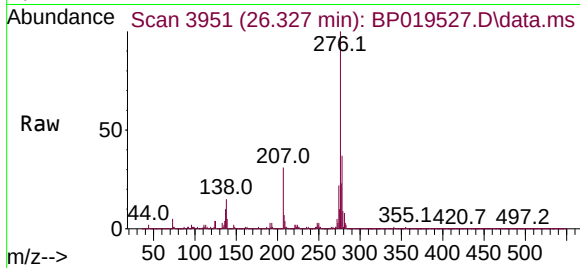
Tgt Ion:276 Resp: 303282

Ion Ratio Lower Upper

276 100

138 17.3 13.1 19.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.942 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

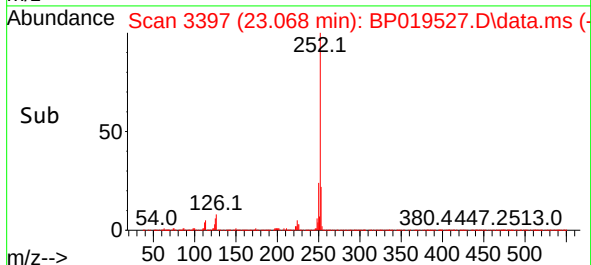
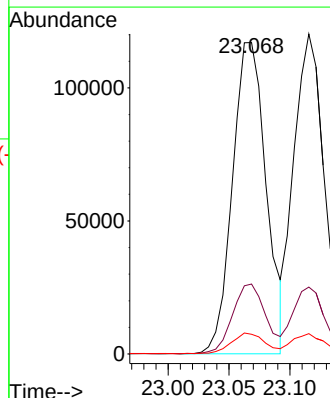
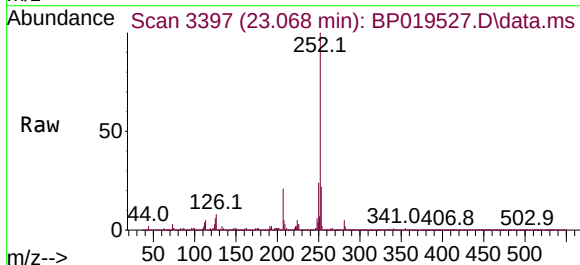
Tgt Ion:252 Resp: 225497

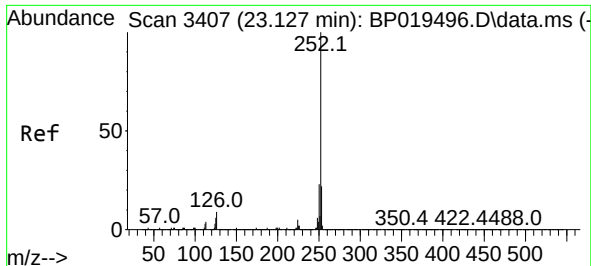
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 6.3 4.9 7.3

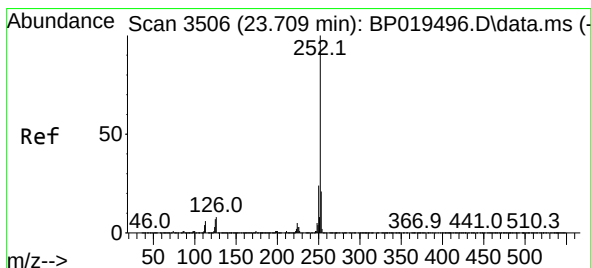
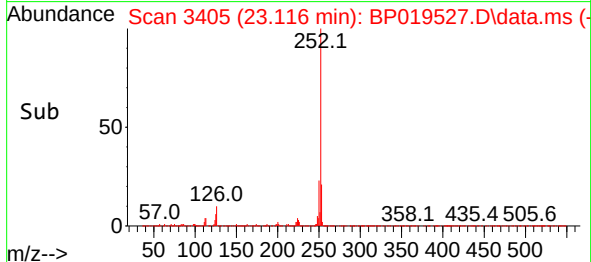
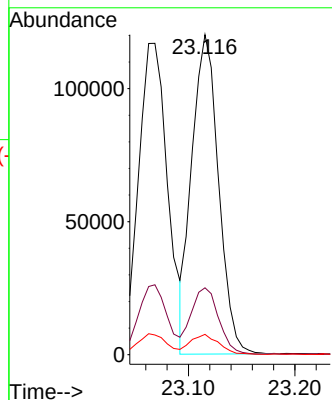
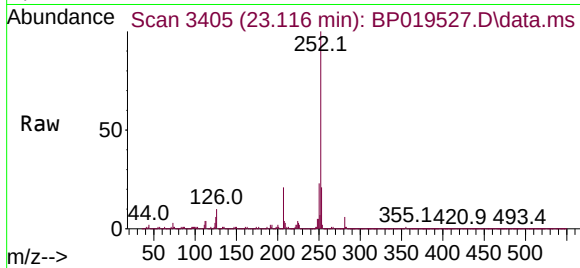




#89
Benzo(k)fluoranthene
Concen: 9.658 ng
RT: 23.116 min Scan# 34
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

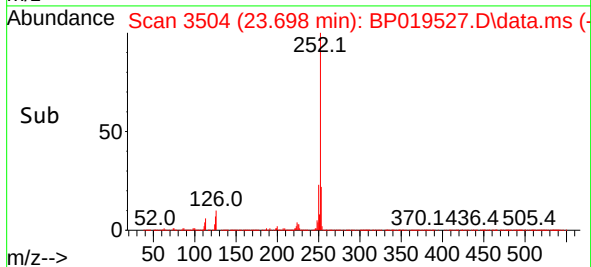
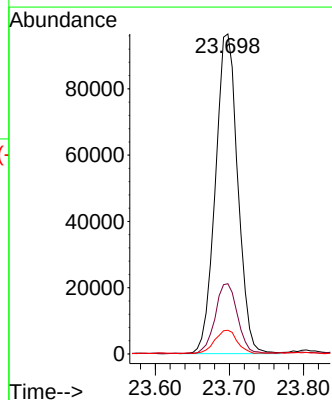
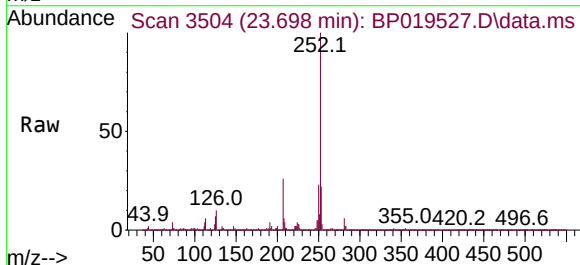
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

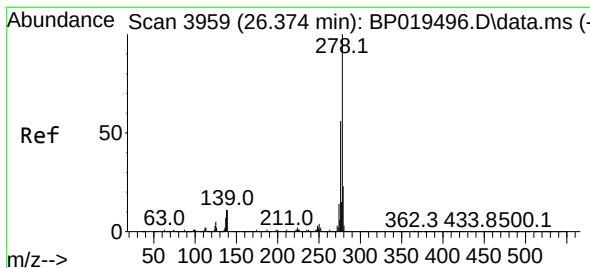
Tgt Ion:252 Resp: 209269
Ion Ratio Lower Upper
252 100
253 20.9 17.1 25.7
125 6.4 5.0 7.6



#90
Benzo(a)pyrene
Concen: 10.011 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:252 Resp: 202040
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 7.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.154 ng

RT: 26.357 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

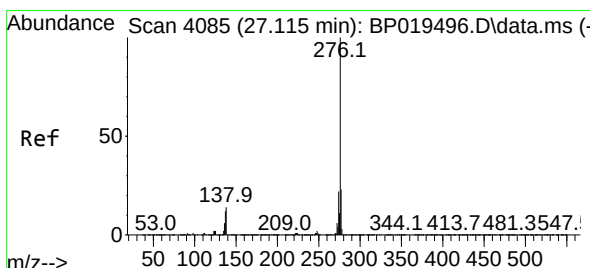
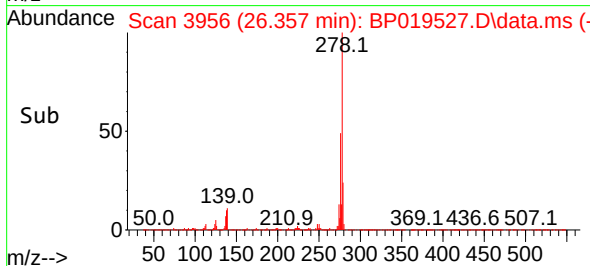
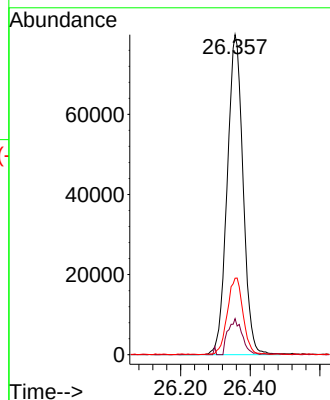
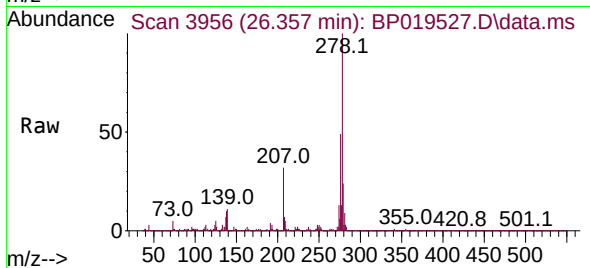
Tgt Ion:278 Resp: 252712

Ion Ratio Lower Upper

278 100

139 11.3 8.6 12.8

279 23.9 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 10.837 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:276 Resp: 249099

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 14.3 10.9 16.3

