

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
 Data File : BP019509.D
 Acq On : 01 Feb 2024 15:42
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-05PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Feb 01 16:23:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	75501	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	324376	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	239415	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	591313	20.000	ng	0.00
76) Chrysene-d12	21.392	240	571103	20.000	ng	0.00
86) Perylene-d12	23.810	264	525908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	380413	81.217	ng	0.00
7) Phenol-d6	7.081	99	533819	84.524	ng	0.00
23) Nitrobenzene-d5	9.081	82	848181	113.303	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	315914	90.374	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	2042792	105.480	ng	0.00
79) Terphenyl-d14	19.875	244	4171499	120.122	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	8107	4.492	ng	# 94
3) Pyridine	3.787	79	20570	4.204	ng	96
4) n-Nitrosodimethylamine	3.711	42	8910	4.183	ng	# 93
6) Aniline	7.240	93	33616	5.478	ng	99
8) 2-Chlorophenol	7.469	128	20724	4.310	ng	95
9) Benzaldehyde	7.058	77	23159	5.230	ng	95
10) Phenol	7.105	94	28029	4.453	ng	92
11) bis(2-Chloroethyl)ether	7.352	93	22475	4.589	ng	95
12) 1,3-Dichlorobenzene	7.799	146	25835	4.391	ng	99
13) 1,4-Dichlorobenzene	7.946	146	25152	4.219	ng	99
14) 1,2-Dichlorobenzene	8.258	146	25007	4.335	ng	94
15) Benzyl Alcohol	8.158	79	23758	4.708	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.452	45	23905	4.881	ng	98
17) 2-Methylphenol	8.358	107	19166	4.523	ng	98
18) Hexachloroethane	8.981	117	9498	4.110	ng	91
19) n-Nitroso-di-n-propyla...	8.728	70	21752	5.042	ng	99
20) 3+4-Methylphenols	8.687	107	25606	4.427	ng	92
22) Acetophenone	8.746	105	40189	4.349	ng	# 98
24) Nitrobenzene	9.122	77	34471	4.573	ng	99
25) Isophorone	9.646	82	60060	4.607	ng	98
26) 2-Nitrophenol	9.828	139	10642	3.703	ng	93
27) 2,4-Dimethylphenol	9.887	122	18777	5.110	ng	97
28) bis(2-Chloroethoxy)met...	10.140	93	31674	4.294	ng	95
29) 2,4-Dichlorophenol	10.357	162	22927	4.127	ng	98
30) 1,2,4-Trichlorobenzene	10.575	180	26684	3.918	ng	95
31) Naphthalene	10.763	128	73215	4.115	ng	98
32) Benzoic acid	9.952	122	12041	3.363	ng	89
33) 4-Chloroaniline	10.881	127	32667	4.965	ng	96
34) Hexachlorobutadiene	11.040	225	18855	3.736	ng	98
35) Caprolactam	11.646	113	8679	5.519	ng	94
36) 4-Chloro-3-methylphenol	11.999	107	27933	4.612	ng	99
37) 2-Methylnaphthalene	12.375	142	53652	4.358	ng	96
38) 1-Methylnaphthalene	12.593	142	53761	4.443	ng	99
40) 1,2,4,5-Tetrachloroben...	12.734	216	35600	3.856	ng	99
41) Hexachlorocyclopentadiene	12.704	237	16387	3.929	ng	98
43) 2,4,6-Trichlorophenol	12.981	196	21550	3.854	ng	97

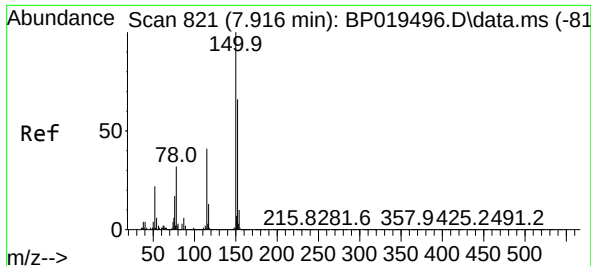
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	23082	3.760	ng	98
46) 1,1'-Biphenyl	13.387	154	77219	4.041	ng	97
47) 2-Chloronaphthalene	13.422	162	62502	3.985	ng	99
48) 2-Nitroaniline	13.634	65	17916	4.085	ng	85
49) Acenaphthylene	14.269	152	100417	4.563	ng	99
50) Dimethylphthalate	14.016	163	82430	4.498	ng	99
51) 2,6-Dinitrotoluene	14.134	165	16148	4.010	ng	93
52) Acenaphthene	14.604	154	58384	4.275	ng	92
53) 3-Nitroaniline	14.457	138	16667	4.504	ng	94
54) 2,4-Dinitrophenol	14.663	184	6627	3.170	ng	90
55) Dibenzofuran	14.945	168	99020	4.451	ng	99
56) 4-Nitrophenol	14.763	139	13514	4.455	ng	92
57) 2,4-Dinitrotoluene	14.916	165	21972	4.164	ng	# 95
58) Fluorene	15.598	166	80752	4.558	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	22524	4.362	ng	98
60) Diethylphthalate	15.381	149	82824	4.543	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	44568	4.475	ng	95
62) 4-Nitroaniline	15.622	138	17456	4.500	ng	96
63) Azobenzene	15.892	77	77596	4.402	ng	98
65) 4,6-Dinitro-2-methylph...	15.675	198	10195	3.024	ng	100
66) n-Nitrosodiphenylamine	15.810	169	69995	3.952	ng	95
67) 4-Bromophenyl-phenylether	16.498	248	28072	3.798	ng	97
68) Hexachlorobenzene	16.592	284	33518	3.883	ng	97
69) Atrazine	16.775	200	30048	5.113	ng	94
70) Pentachlorophenol	16.945	266	17300	3.218	ng	98
71) Phenanthrene	17.345	178	135787	4.363	ng	99
72) Anthracene	17.434	178	135708	4.372	ng	99
73) Carbazole	17.710	167	123462	4.378	ng	100
74) Di-n-butylphthalate	18.275	149	138067	4.049	ng	100
75) Fluoranthene	19.310	202	166748	4.386	ng	98
77) Benzidine	19.498	184	85906	7.195	ng	98
78) Pyrene	19.663	202	174670	4.334	ng	99
80) Butylbenzylphthalate	20.557	149	57409	3.814	ng	98
81) Benzo(a)anthracene	21.375	228	171565	4.268	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	61449	4.195	ng	94
83) Chrysene	21.427	228	155603	4.077	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	85467	3.729	ng	99
85) Di-n-octyl phthalate	22.275	149	130716	3.241	ng	99
87) Indeno(1,2,3-cd)pyrene	26.339	276	139192	3.458	ng	99
88) Benzo(b)fluoranthene	23.074	252	146038	4.406	ng	96
89) Benzo(k)fluoranthene	23.122	252	132787	4.194	ng	99
90) Benzo(a)pyrene	23.704	252	121189	4.109	ng	99
91) Dibenzo(a,h)anthracene	26.363	278	114701	3.464	ng	97
92) Benzo(g,h,i)perylene	27.110	276	112532	3.350	ng	98

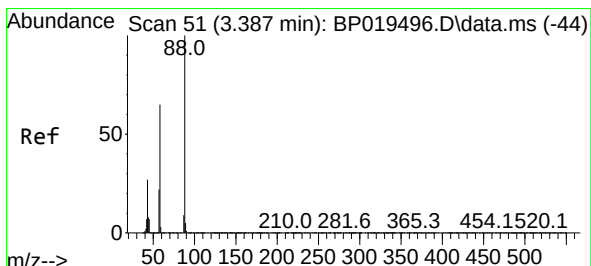
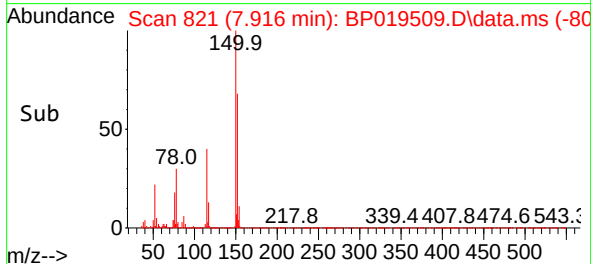
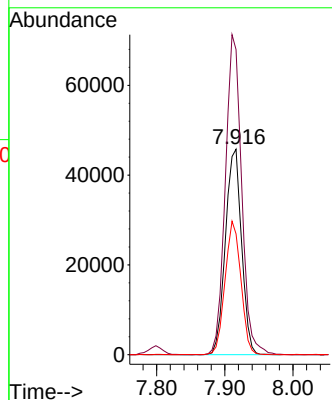
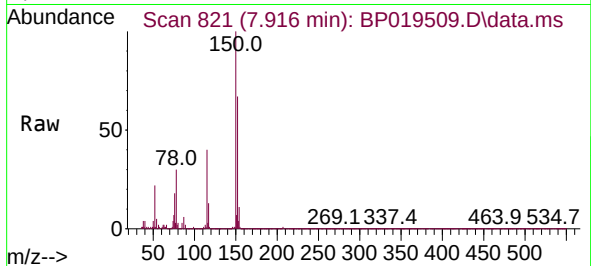
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.916 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP019509.D
 Acq: 01 Feb 2024 15:42

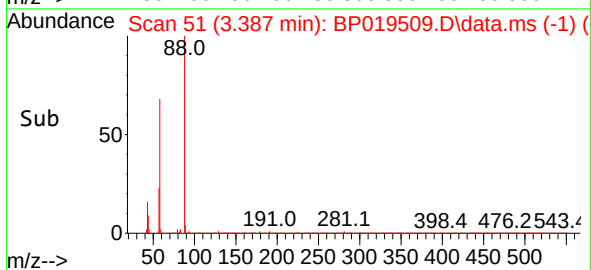
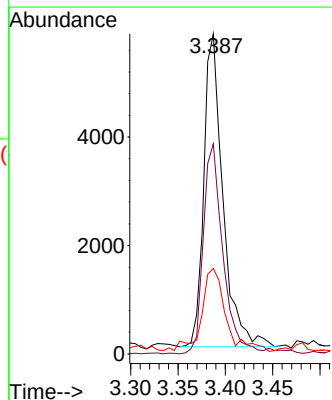
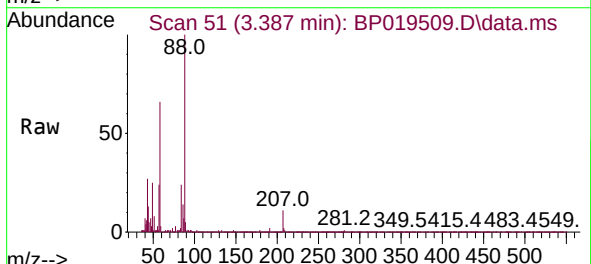
Instrument :
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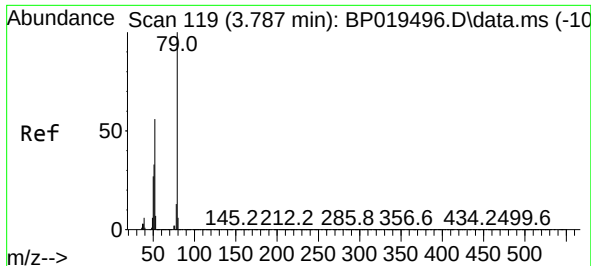
Tgt Ion:	152	Resp:	75501
Ion	Ratio	Lower	Upper
152	100		
150	148.5	121.8	182.8
115	58.8	49.9	74.9



#2
 1,4-Dioxane
 Concen: 4.492 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BP019509.D
 Acq: 01 Feb 2024 15:42

Tgt Ion:	88	Resp:	8107
Ion	Ratio	Lower	Upper
88	100		
58	68.4	52.6	78.8
43	33.5	21.9	32.9

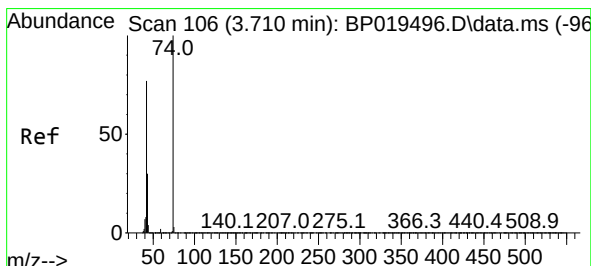
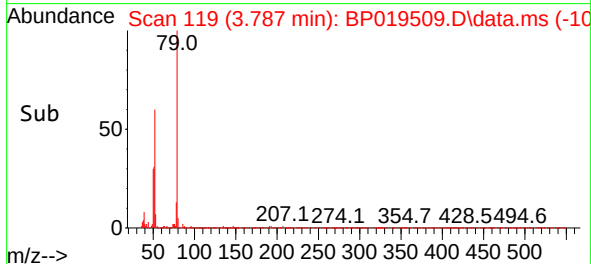
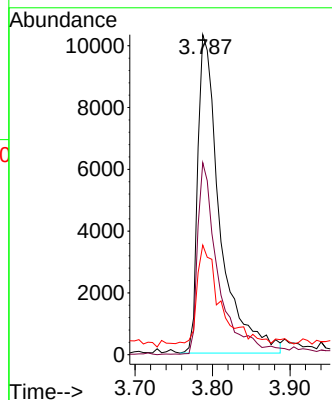
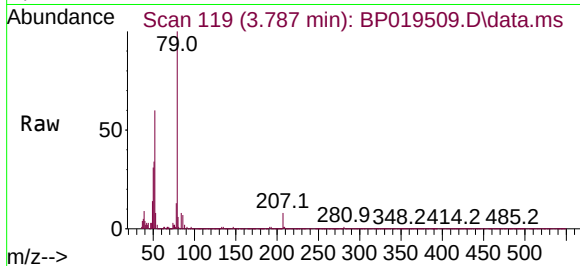




#3
Pyridine
Concen: 4.204 ng
RT: 3.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

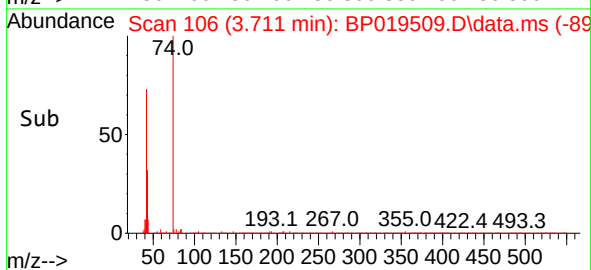
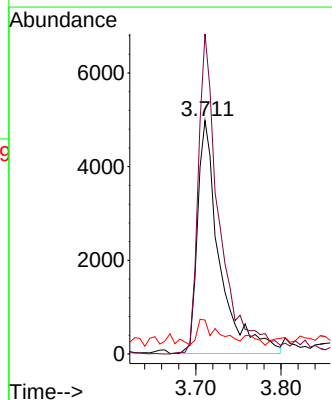
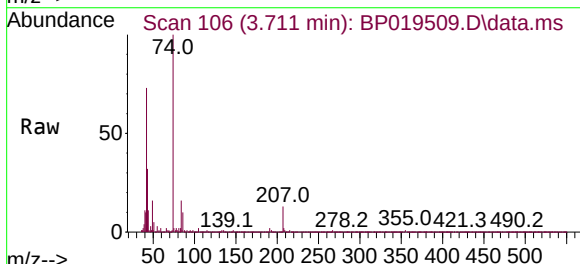
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

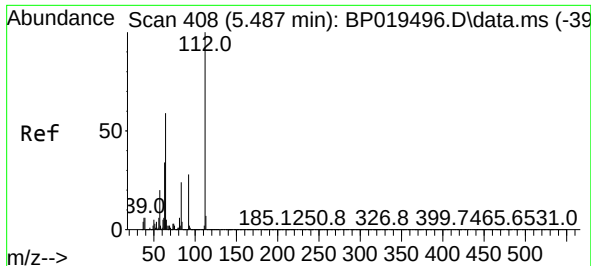
Tgt Ion: 79 Resp: 20570
Ion Ratio Lower Upper
79 100
52 60.0 45.0 67.6
51 34.3 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 4.183 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 42 Resp: 8910
Ion Ratio Lower Upper
42 100
74 137.0 103.4 155.2
44 14.5 4.8 7.2#

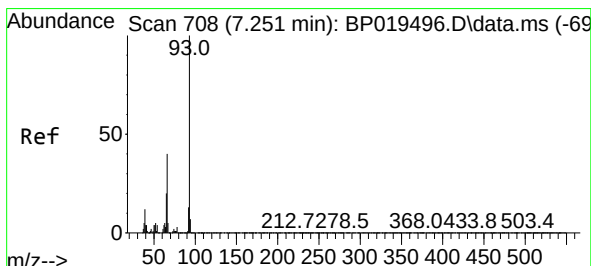
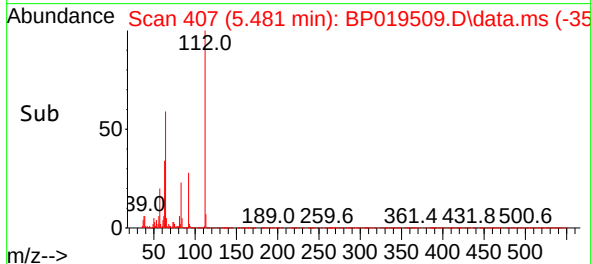
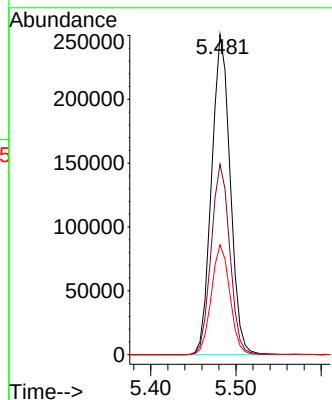
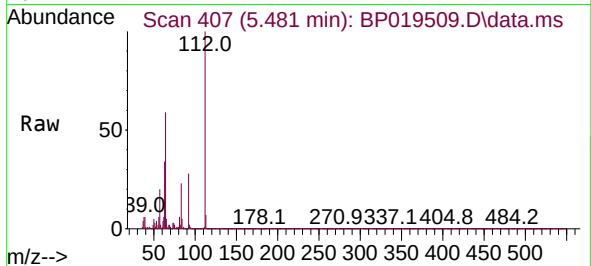




#5
2-Fluorophenol
Concen: 81.217 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

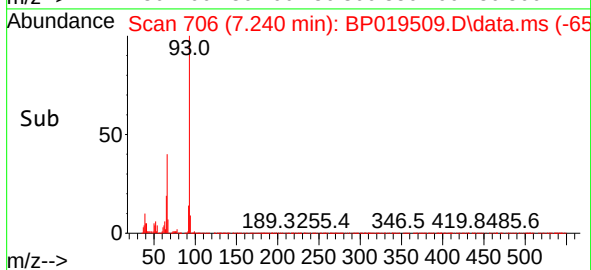
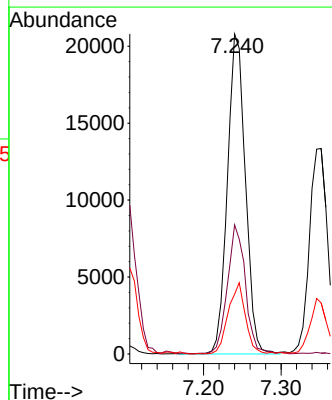
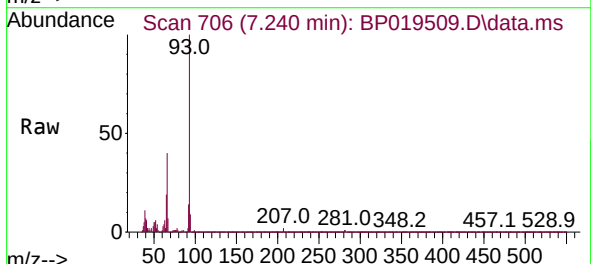
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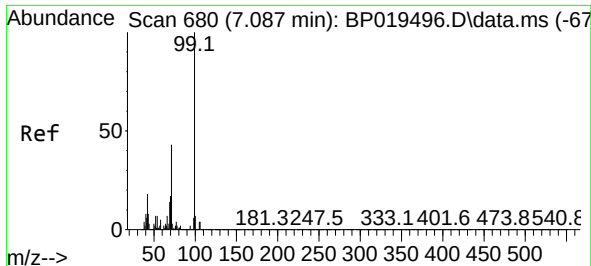
Tgt Ion:112 Resp: 380413
Ion Ratio Lower Upper
112 100
64 59.5 47.4 71.0
63 34.3 27.0 40.6



#6
Aniline
Concen: 5.478 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 93 Resp: 33616
Ion Ratio Lower Upper
93 100
66 40.4 32.3 48.5
65 18.7 16.4 24.6

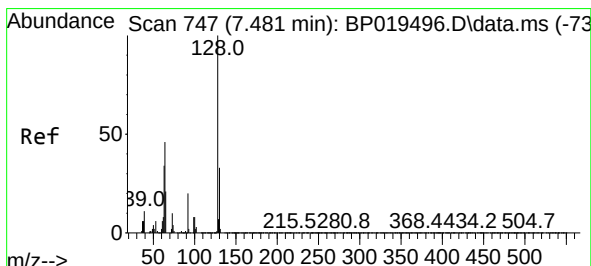
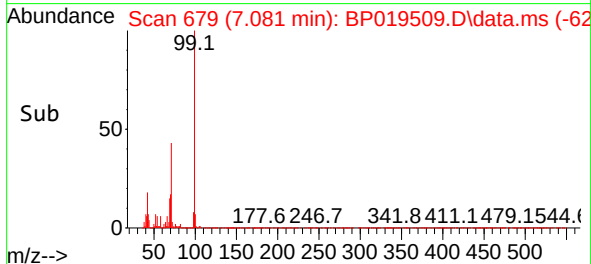
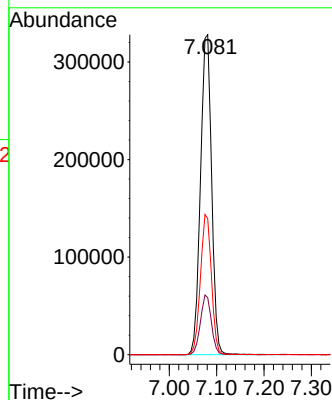
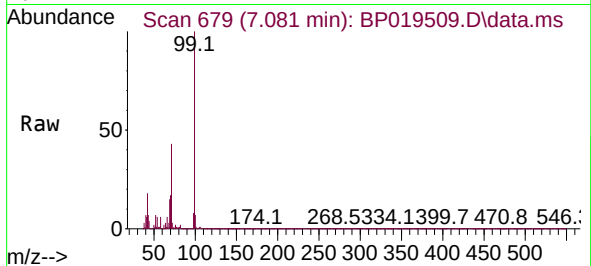




#7
Phenol-d6
Concen: 84.524 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

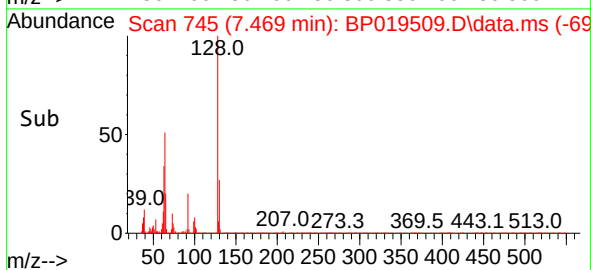
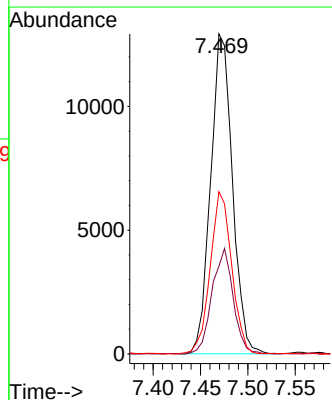
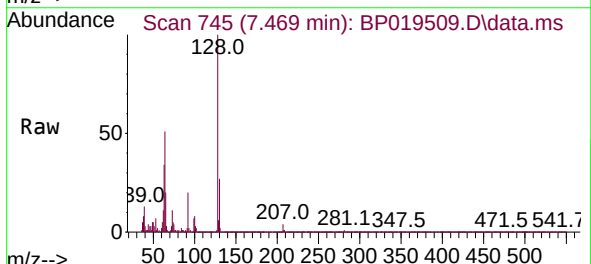
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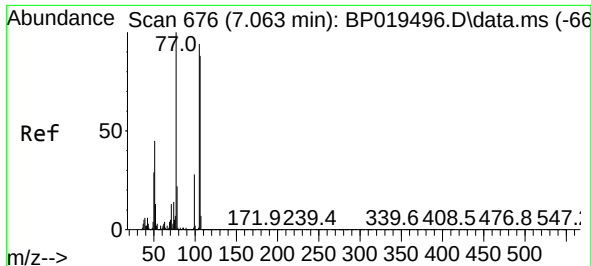
Tgt Ion: 99 Resp: 533819
Ion Ratio Lower Upper
99 100
42 17.8 14.7 22.1
71 42.5 34.8 52.2



#8
2-Chlorophenol
Concen: 4.310 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 128 Resp: 20724
Ion Ratio Lower Upper
128 100
130 27.4 13.3 53.3
64 50.7 29.7 69.7

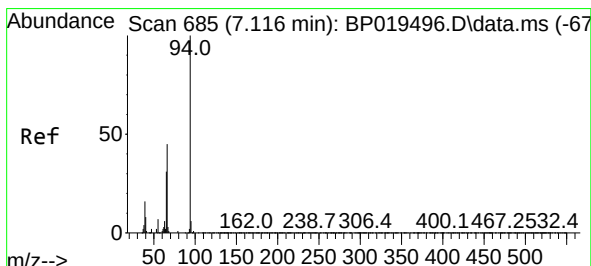
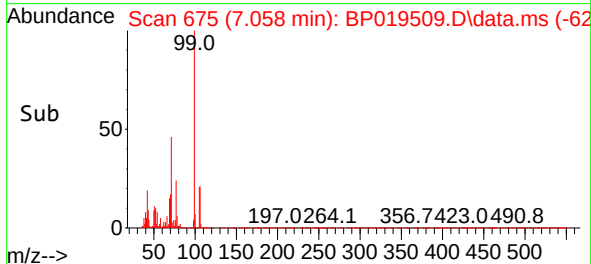
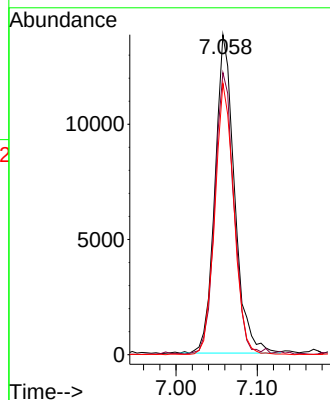
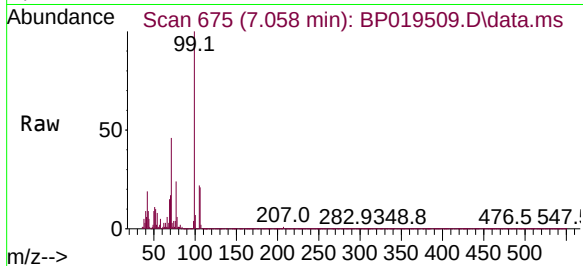




#9
Benzaldehyde
Concen: 5.230 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

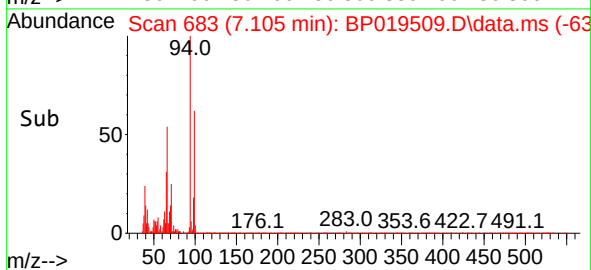
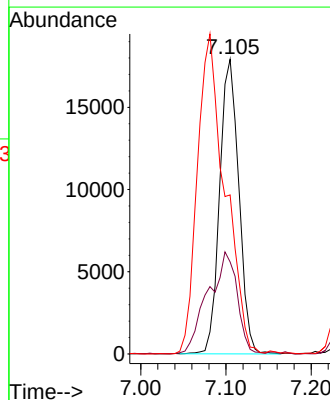
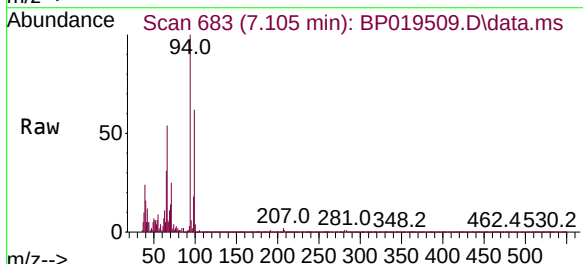
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

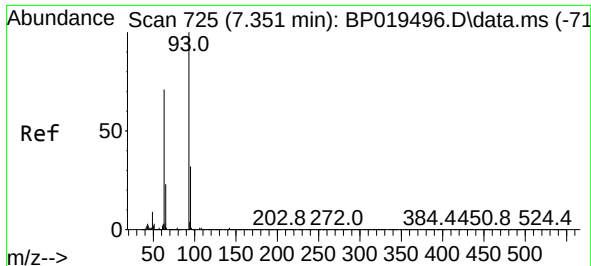
Tgt Ion: 77 Resp: 23159
Ion Ratio Lower Upper
77 100
105 88.1 74.0 114.0
106 84.8 67.8 107.8



#10
Phenol
Concen: 4.453 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 94 Resp: 28029
Ion Ratio Lower Upper
94 100
65 31.2 11.3 51.3
66 54.0 25.1 65.1

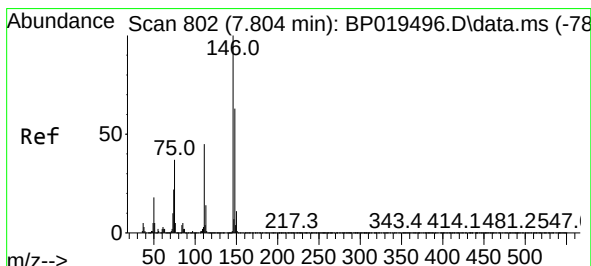
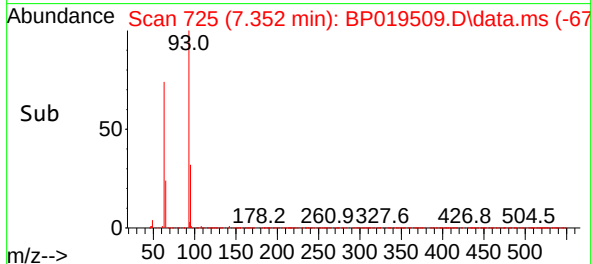
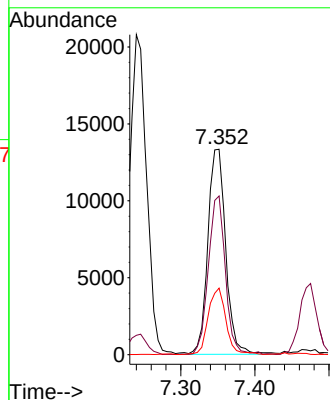
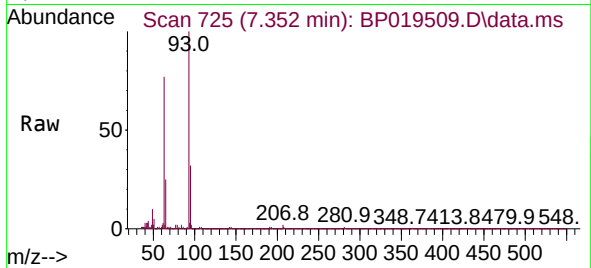




#11
bis(2-Chloroethyl)ether
Concen: 4.589 ng
RT: 7.352 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

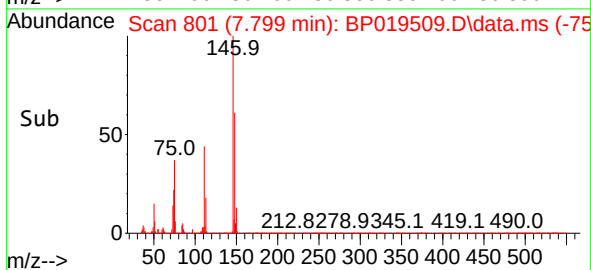
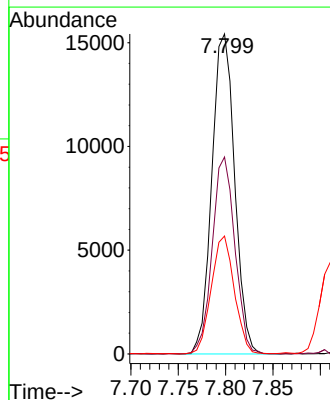
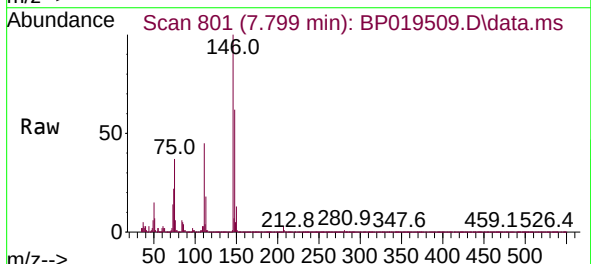
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

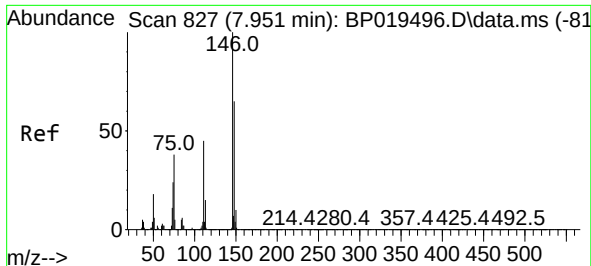
Tgt Ion: 93	Resp: 22475
Ion Ratio	Lower Upper
93 100	
63 77.3	51.2 91.2
95 32.4	11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.391 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:146	Resp: 25835
Ion Ratio	Lower Upper
146 100	
148 61.6	50.4 75.6
75 36.9	29.9 44.9

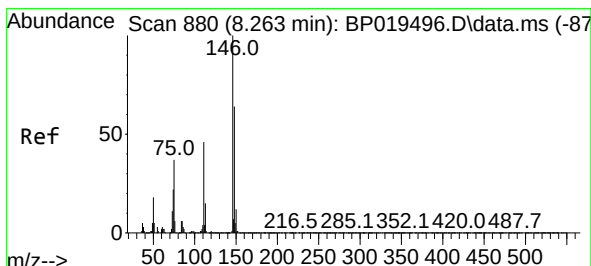
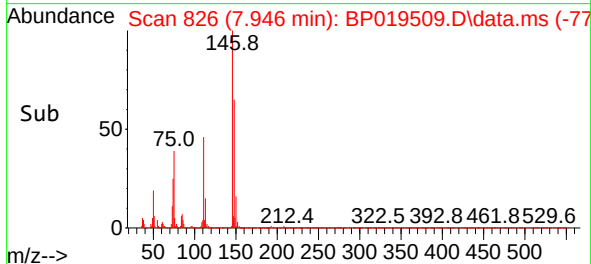
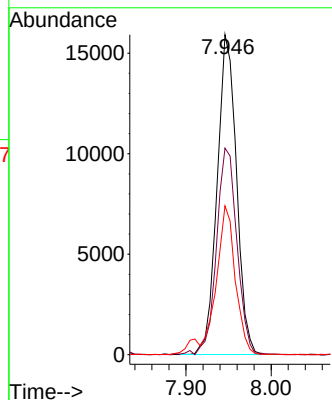
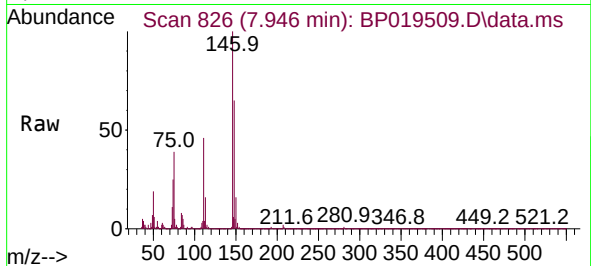




#13
1,4-Dichlorobenzene
Concen: 4.219 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

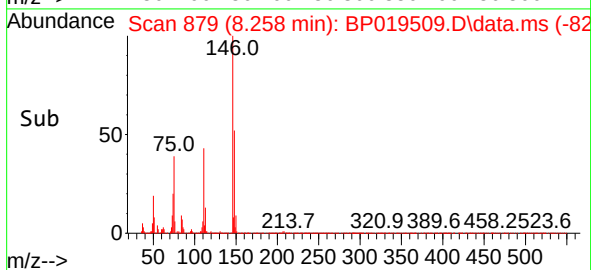
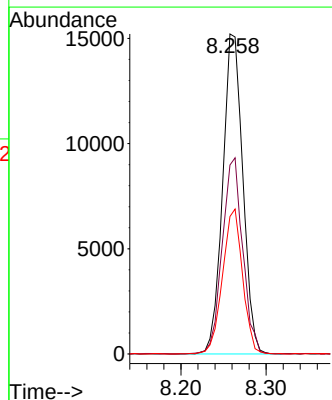
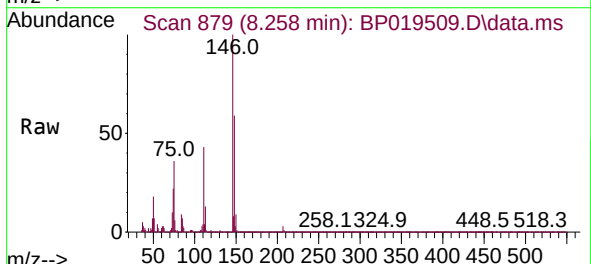
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

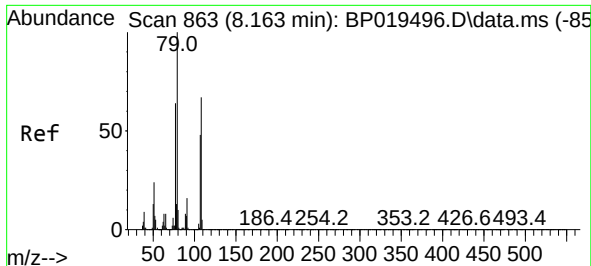
Tgt Ion:146 Resp: 25152
Ion Ratio Lower Upper
146 100
148 64.5 51.9 77.9
111 46.5 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 4.335 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:146 Resp: 25007
Ion Ratio Lower Upper
146 100
148 59.1 51.4 77.0
111 43.0 37.0 55.6

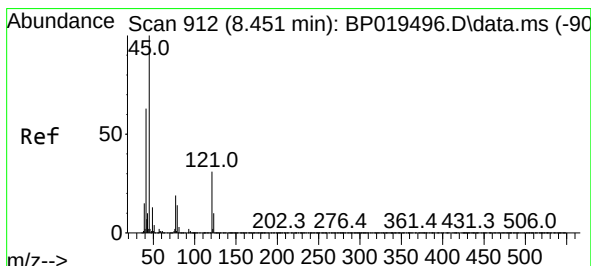
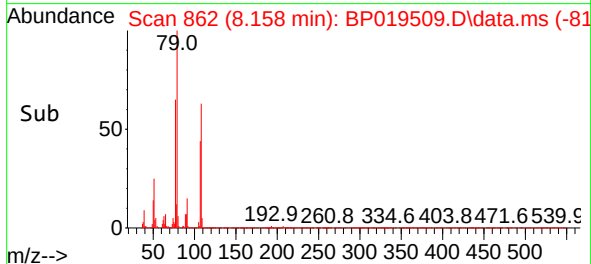
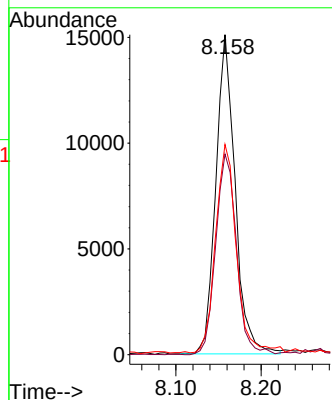
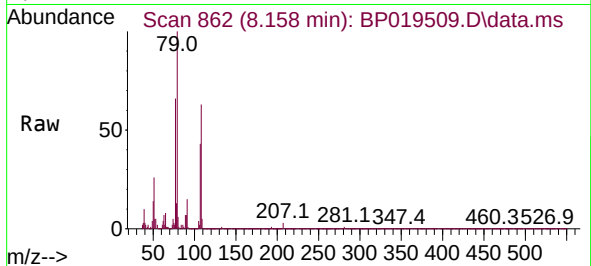




#15
Benzyl Alcohol
Concen: 4.708 ng
RT: 8.158 min Scan# 801
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

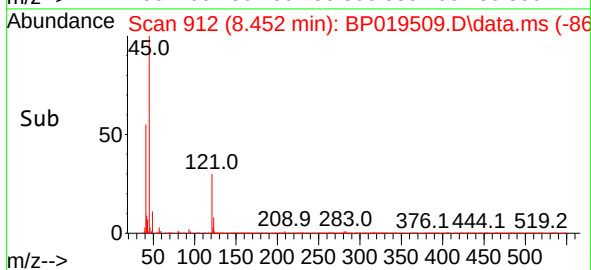
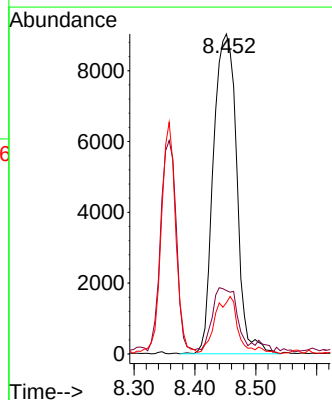
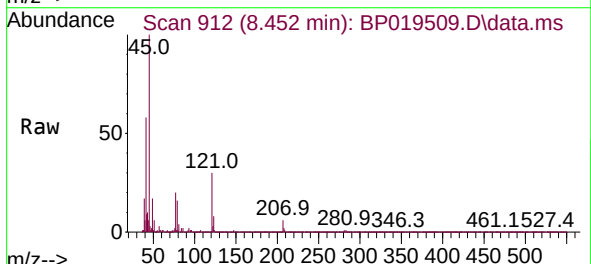
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

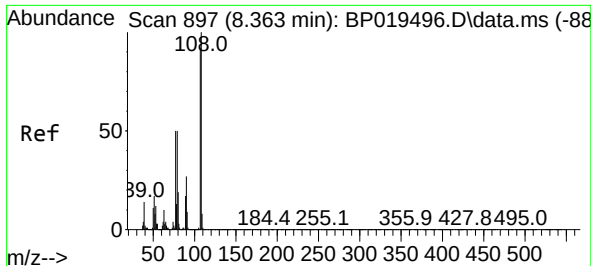
Tgt Ion: 79 Resp: 23758
Ion Ratio Lower Upper
79 100
108 62.7 53.8 80.6
77 65.7 51.3 76.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.881 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 45 Resp: 23905
Ion Ratio Lower Upper
45 100
77 19.8 0.8 40.8
79 16.1 0.0 35.5

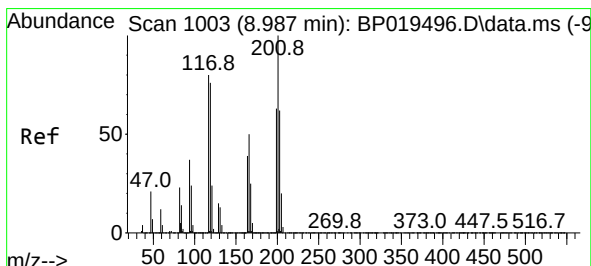
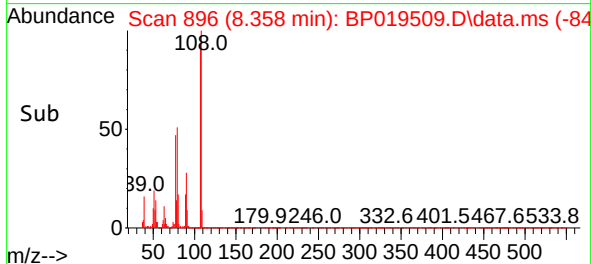
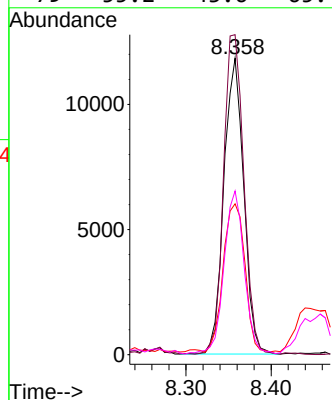
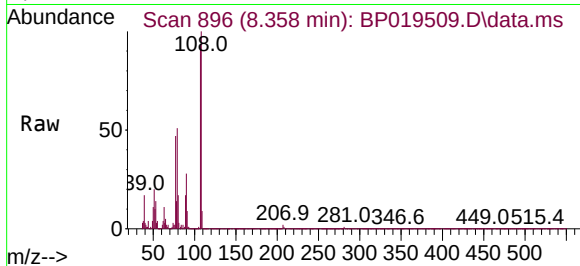




#17
2-Methylphenol
Concen: 4.523 ng
RT: 8.358 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

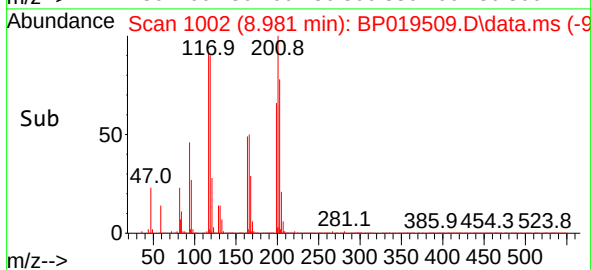
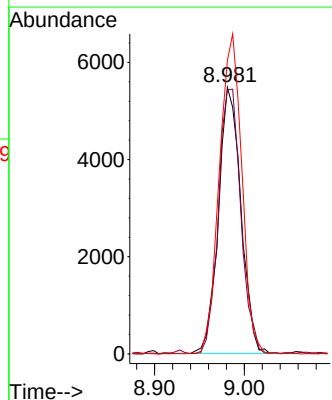
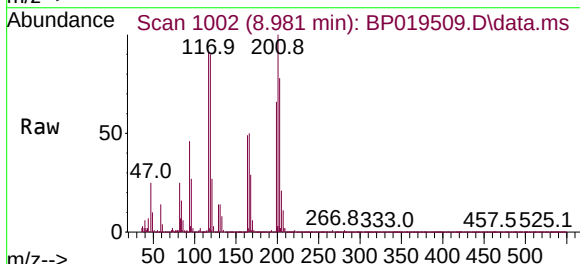
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

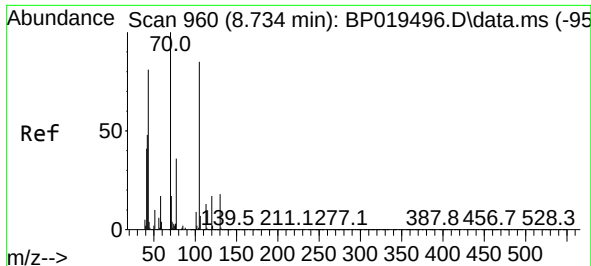
Tgt Ion:	107	Resp:	19166
Ion	Ratio	Lower	Upper
107	100		
108	107.9	87.0	130.6
77	50.9	43.5	65.3
79	55.2	43.6	65.4



#18
Hexachloroethane
Concen: 4.110 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:	117	Resp:	9498
Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.5	113.3
201	110.1	99.4	149.2

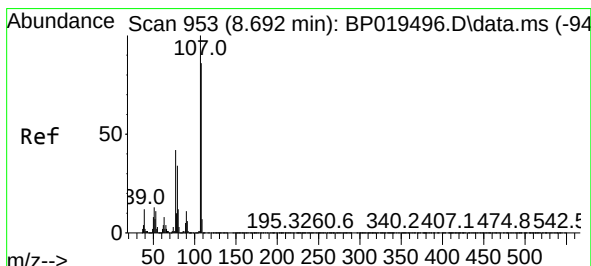
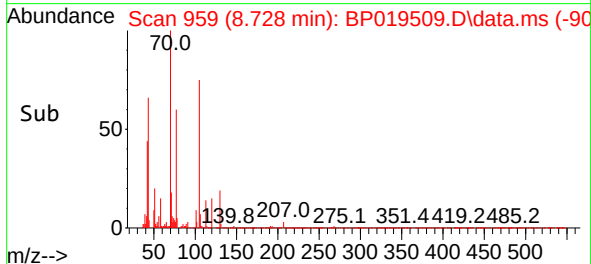
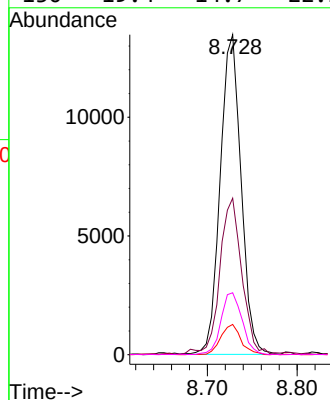
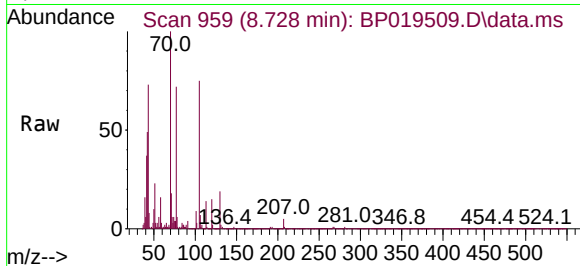




#19
n-Nitroso-di-n-propylamine
Concen: 5.042 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

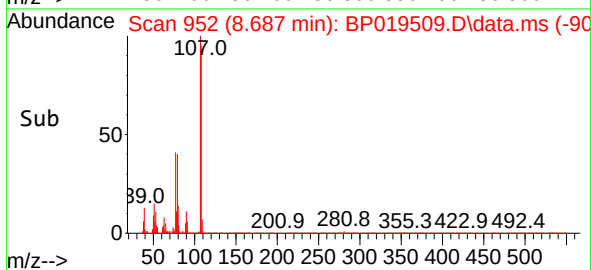
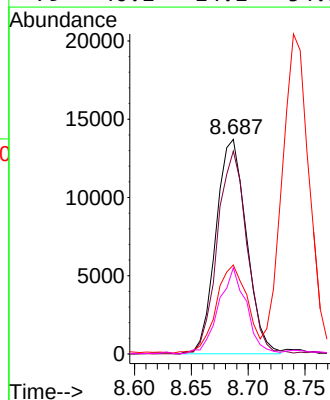
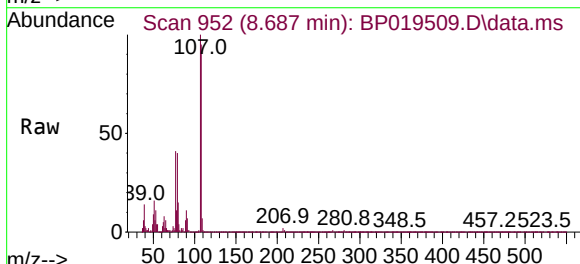
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

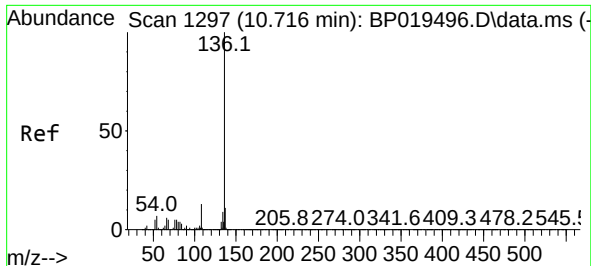
Tgt Ion: 70	Resp:	21752	
Ion	Ratio	Lower	Upper
70	100		
42	48.9	39.2	58.8
101	9.4	7.3	10.9
130	19.4	14.7	22.1



#20
3+4-Methylphenols
Concen: 4.427 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt	Ion:107	Resp:	25606
Ion	Ratio	Lower	Upper
107	100		
108	94.5	65.5	105.5
77	41.4	21.8	61.8
79	40.1	14.1	54.1

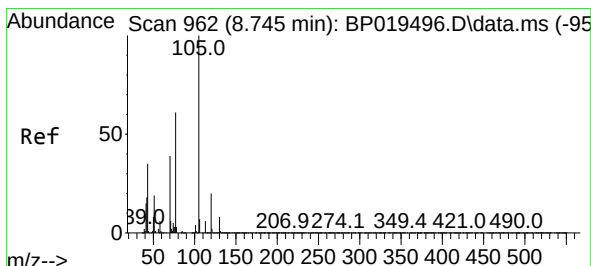
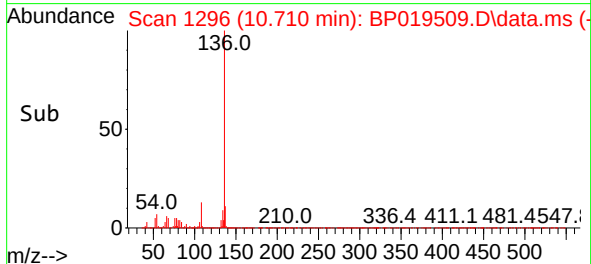
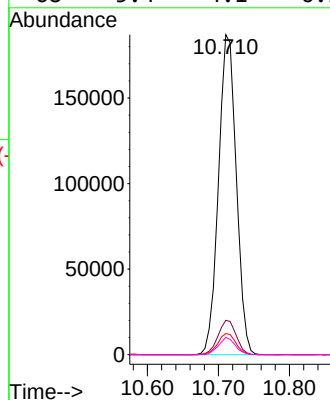
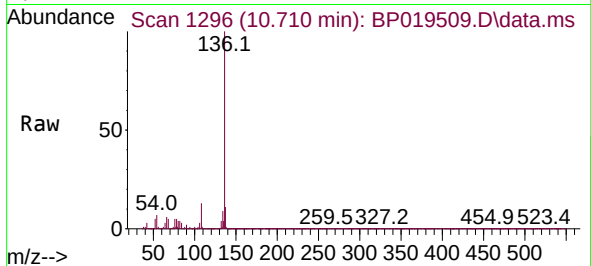




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

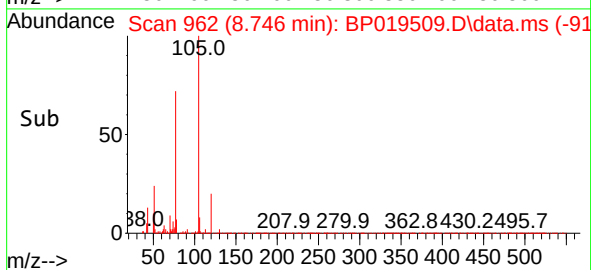
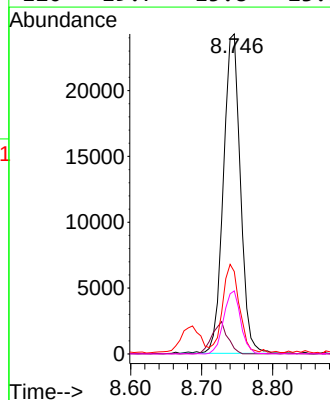
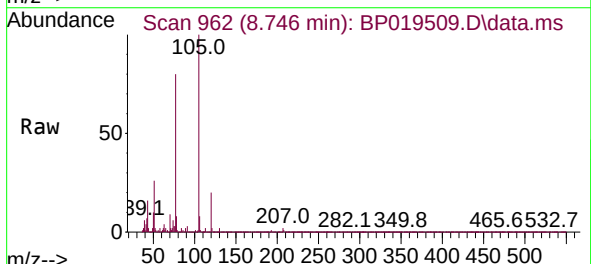
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

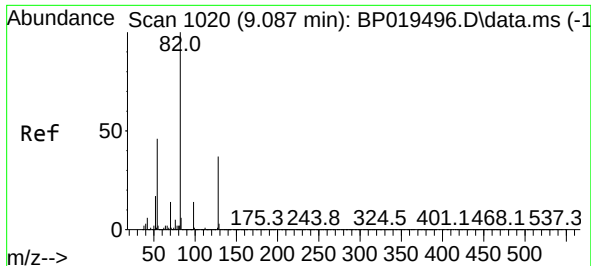
Tgt Ion:	136	Resp:	324376
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.6	5.3	7.9
68	5.4	4.1	6.1



#22
Acetophenone
Concen: 4.349 ng
RT: 8.746 min Scan# 962
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:	105	Resp:	40189
Ion	Ratio	Lower	Upper
105	100		
71	1.7	4.9	7.3
51	25.8	20.7	31.1
120	19.7	15.8	23.8

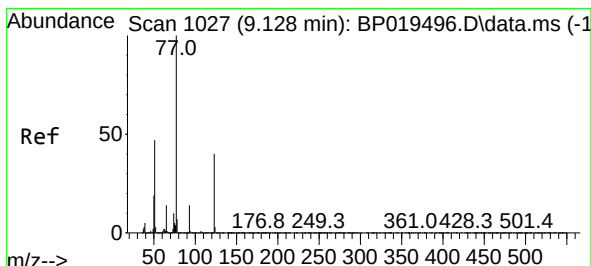
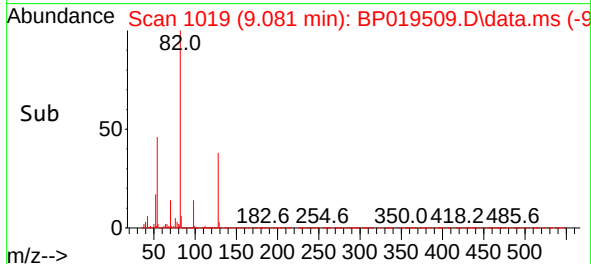
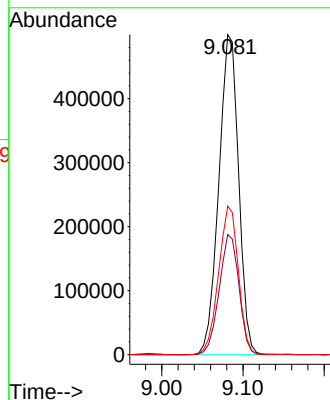
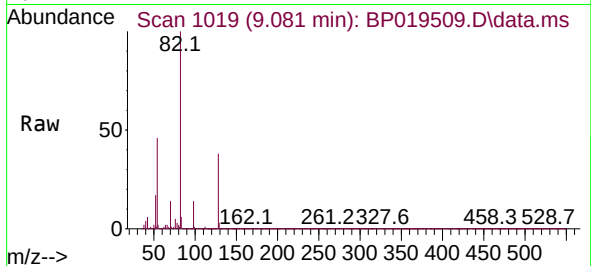




#23
Nitrobenzene-d5
Concen: 113.303 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

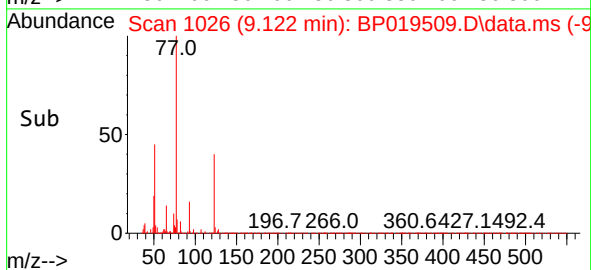
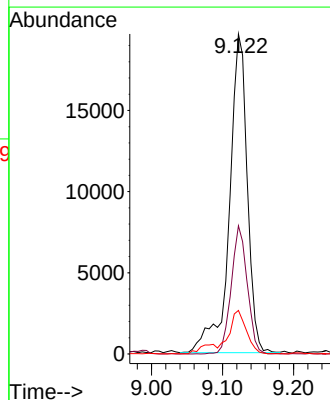
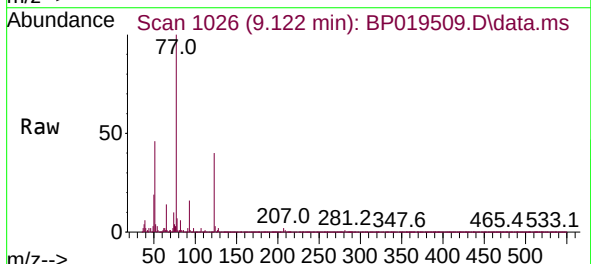
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

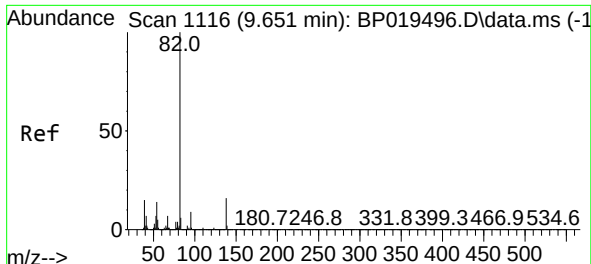
Tgt Ion: 82 Resp: 848181
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 46.4 36.8 55.2



#24
Nitrobenzene
Concen: 4.573 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 77 Resp: 34471
Ion Ratio Lower Upper
77 100
123 40.1 32.3 48.5
65 13.6 11.6 17.4

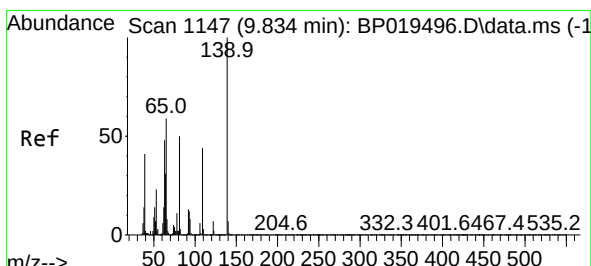
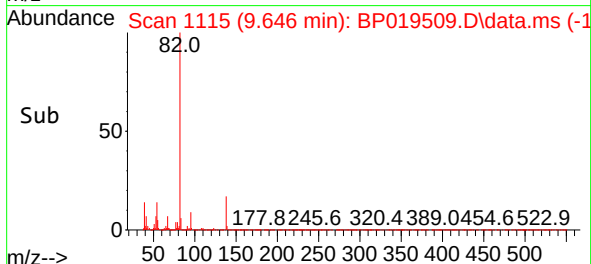
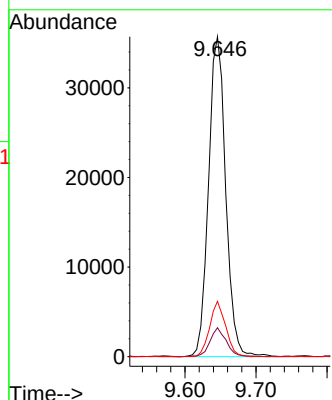
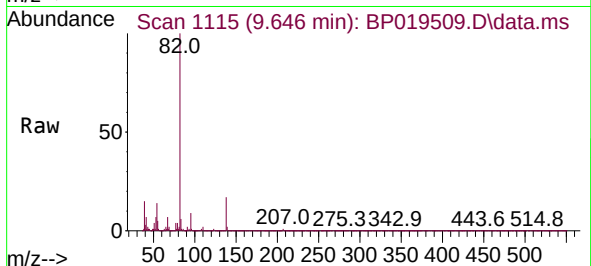




#25
Isophorone
Concen: 4.607 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

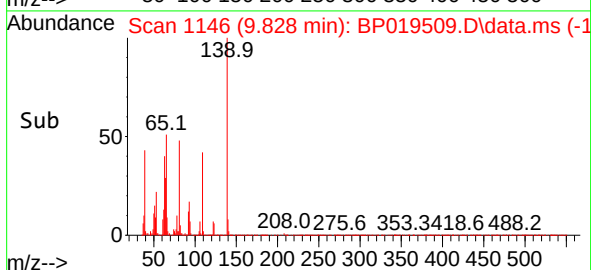
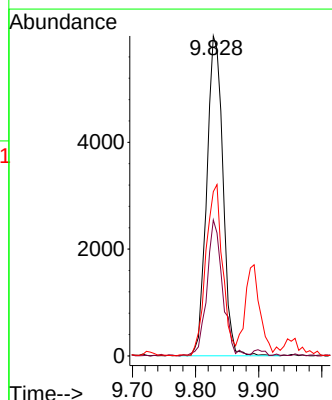
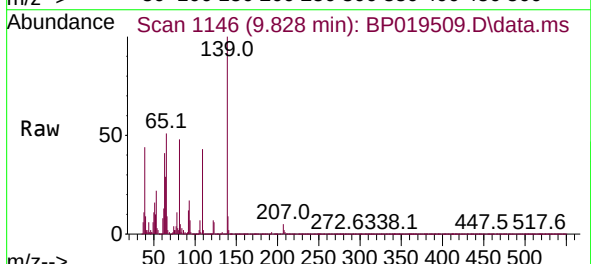
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

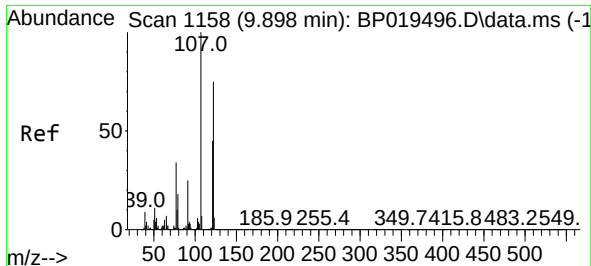
Tgt Ion: 82 Resp: 60060
Ion Ratio Lower Upper
82 100
95 9.1 7.0 10.4
138 17.3 13.1 19.7



#26
2-Nitrophenol
Concen: 3.703 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 139 Resp: 10642
Ion Ratio Lower Upper
139 100
109 42.5 34.9 52.3
65 51.4 47.5 71.3

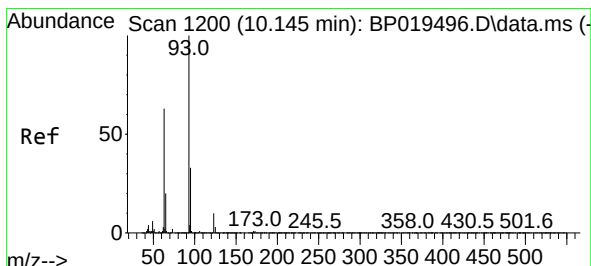
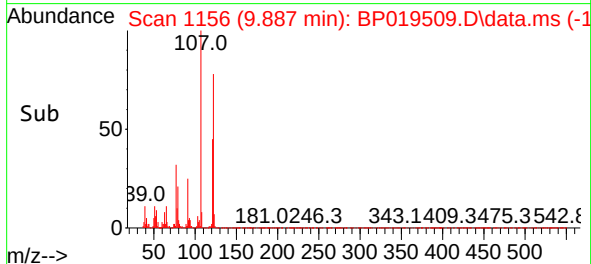
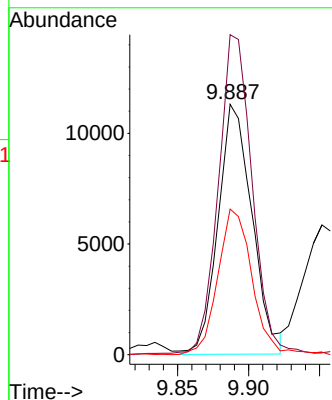
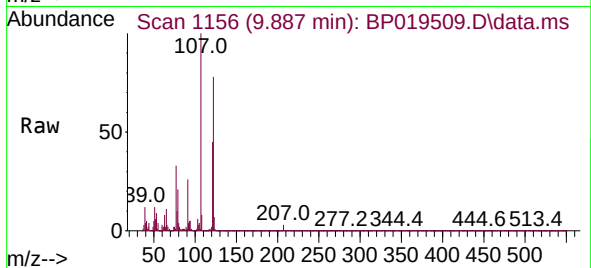




#27
2,4-Dimethylphenol
Concen: 5.110 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.011 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

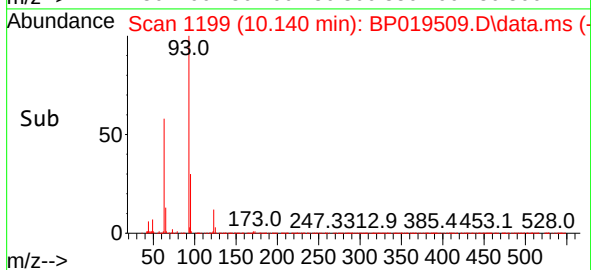
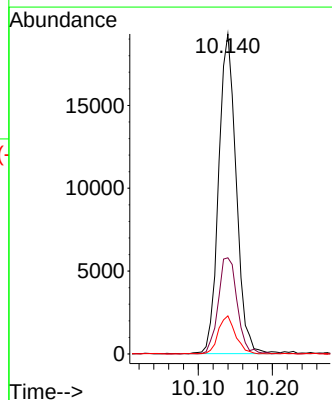
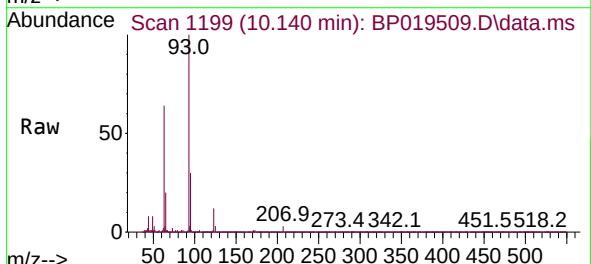
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

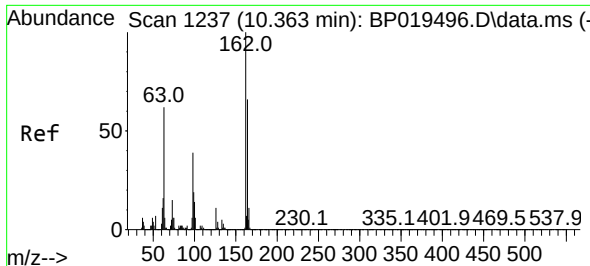
Tgt Ion:122 Resp: 18777
Ion Ratio Lower Upper
122 100
107 127.8 105.9 158.9
121 58.1 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 4.294 ng
RT: 10.140 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion: 93 Resp: 31674
Ion Ratio Lower Upper
93 100
95 30.1 26.2 39.4
123 11.9 8.5 12.7

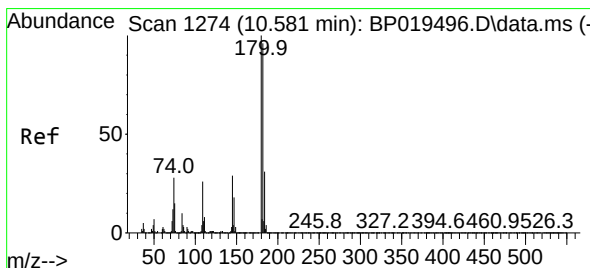
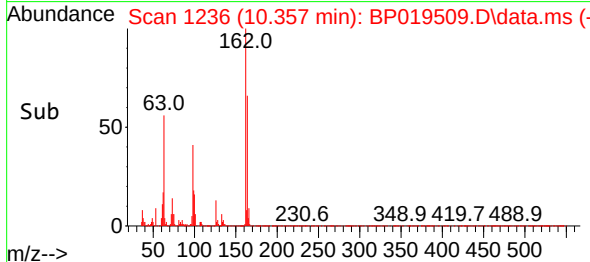
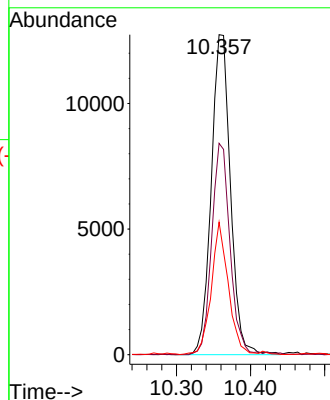
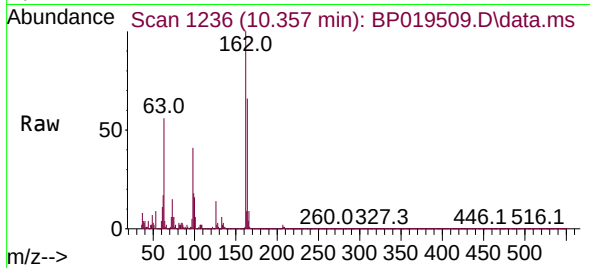




#29
2,4-Dichlorophenol
Concen: 4.127 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

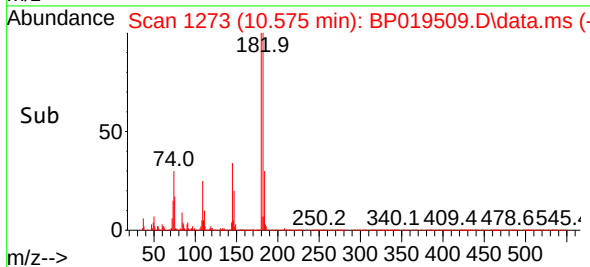
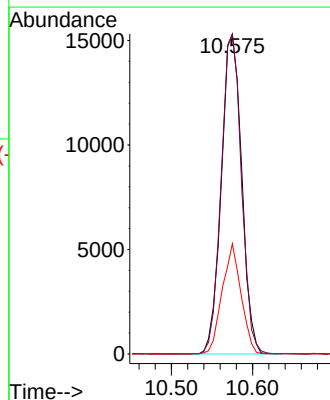
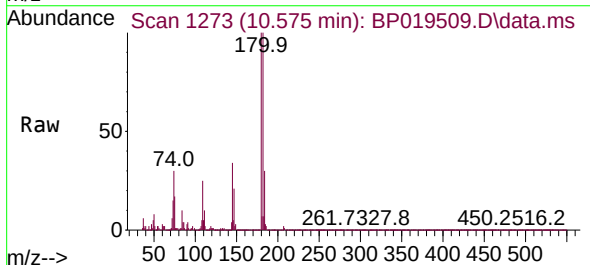
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

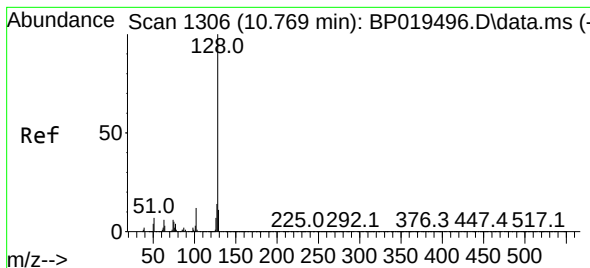
Tgt Ion:162 Resp: 22927
Ion Ratio Lower Upper
162 100
164 66.1 46.0 86.0
98 41.4 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 3.918 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:180 Resp: 26684
Ion Ratio Lower Upper
180 100
182 100.1 77.0 115.6
145 34.5 23.2 34.8





#31

Naphthalene

Concen: 4.115 ng

RT: 10.763 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

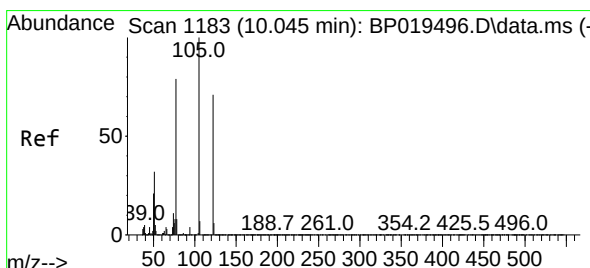
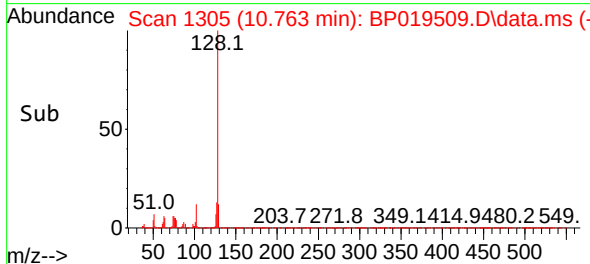
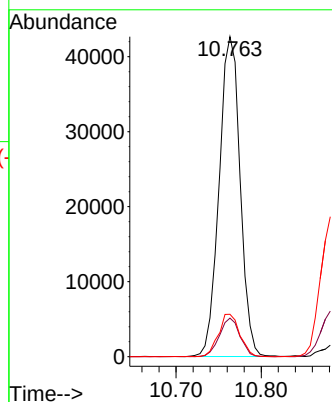
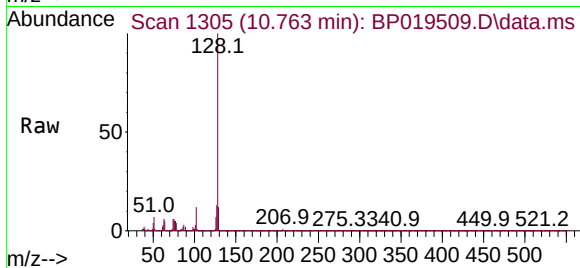
Tgt Ion:128 Resp: 73215

Ion Ratio Lower Upper

128 100

129 12.1 8.6 13.0

127 13.3 10.8 16.2



#32

Benzoic acid

Concen: 3.363 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.094 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

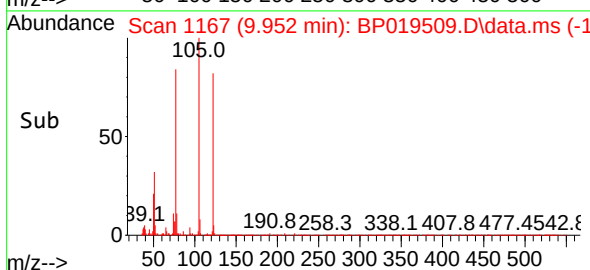
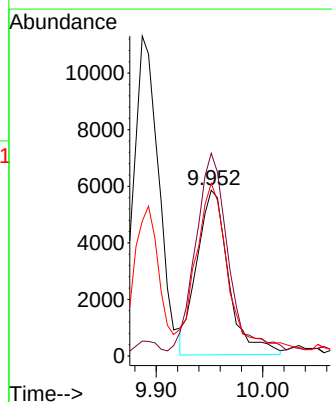
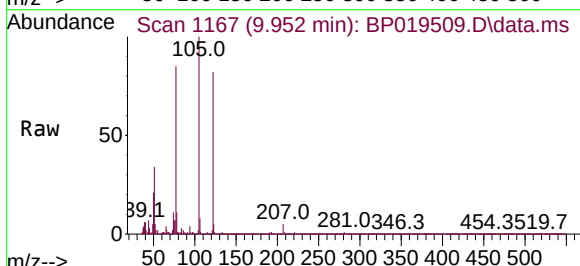
Tgt Ion:122 Resp: 12041

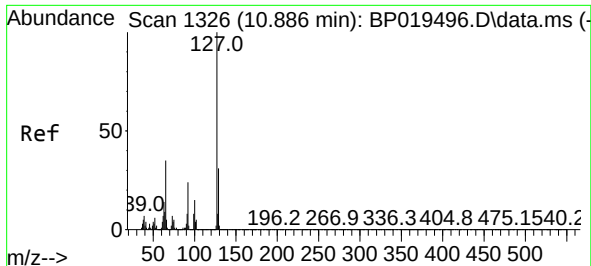
Ion Ratio Lower Upper

122 100

105 122.3 118.8 158.8

77 104.2 91.7 131.7

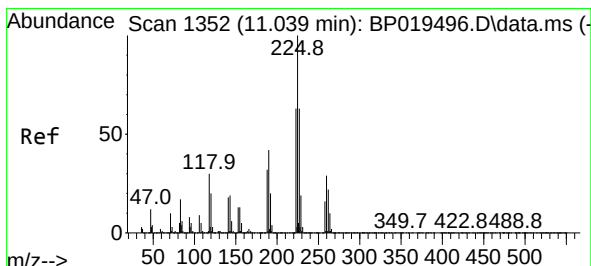
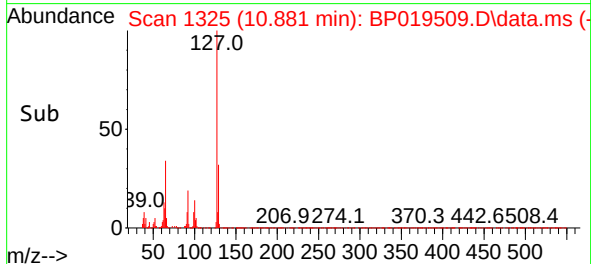
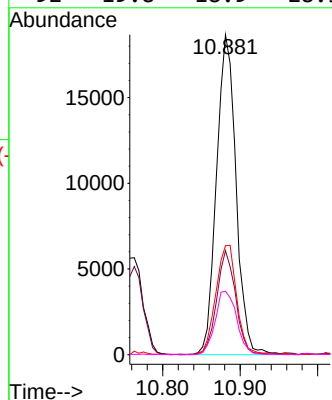
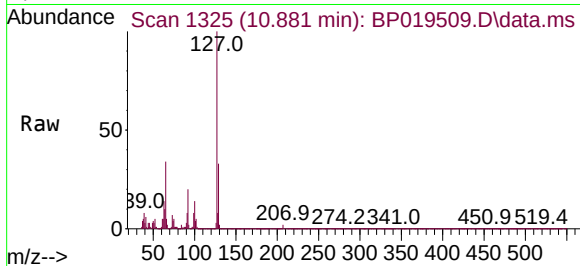




#33
4-Chloroaniline
Concen: 4.965 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

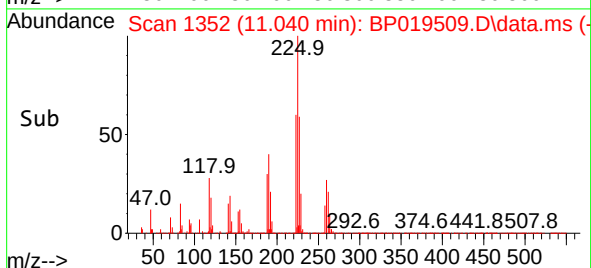
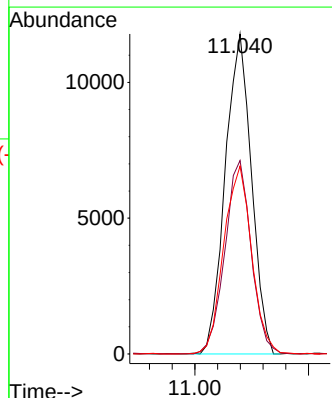
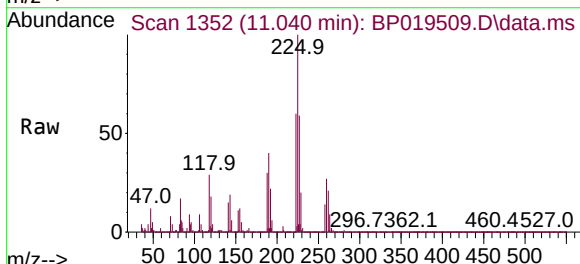
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

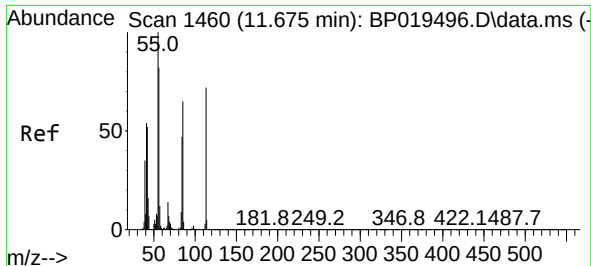
Tgt Ion:	127	Resp:	32667
Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.6	36.8
65	34.1	28.2	42.4
92	19.8	18.9	28.3



#34
Hexachlorobutadiene
Concen: 3.736 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:	225	Resp:	18855
Ion	Ratio	Lower	Upper
225	100		
223	60.4	50.5	75.7
227	62.7	50.2	75.2

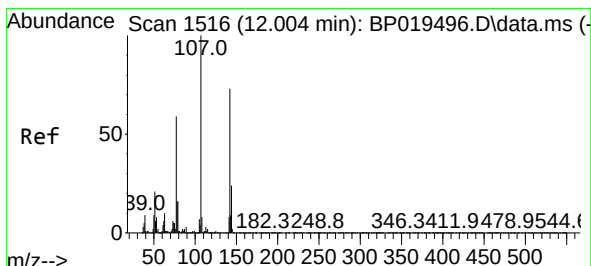
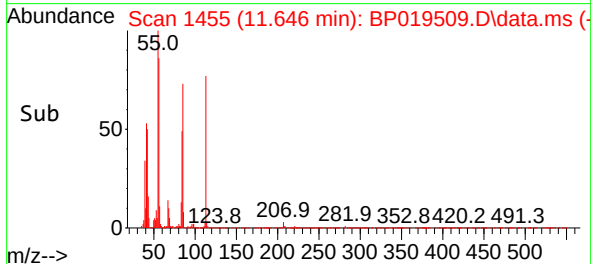
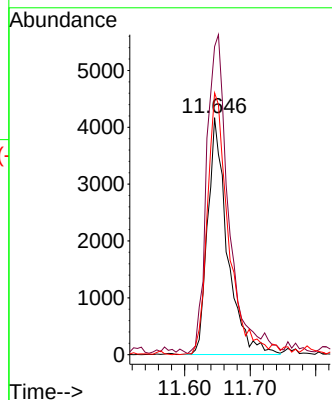
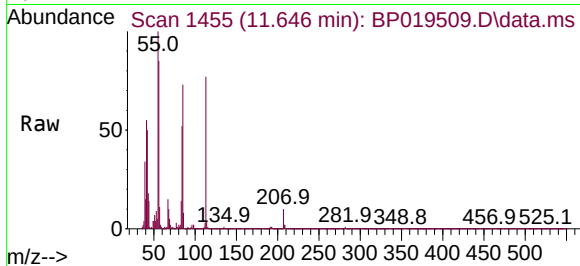




#35
Caprolactam
Concen: 5.519 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

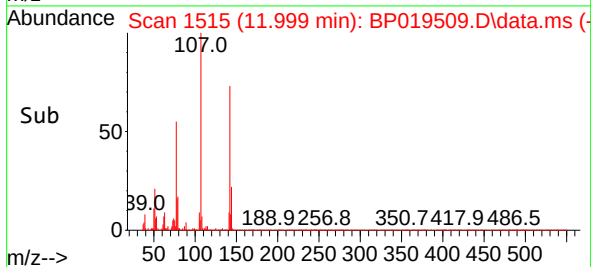
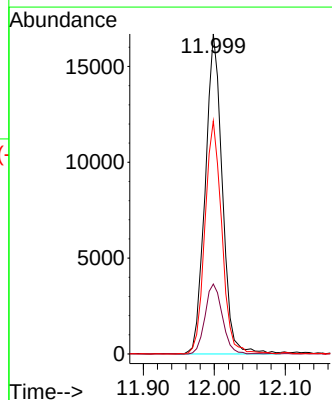
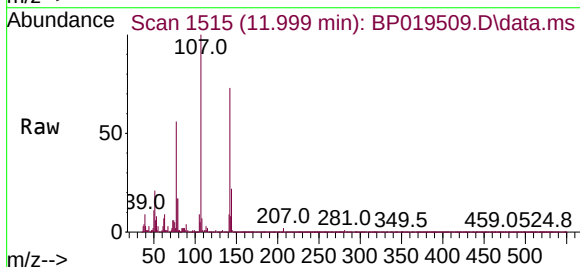
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

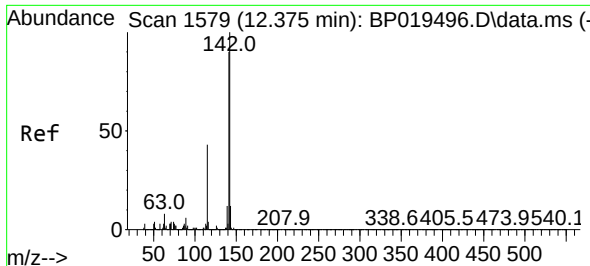
Tgt Ion	Ratio	Lower	Upper
113	100		
55	130.0	120.0	160.0
56	110.4	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 4.612 ng
RT: 11.999 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.8	19.0	28.4
142	72.8	58.6	88.0

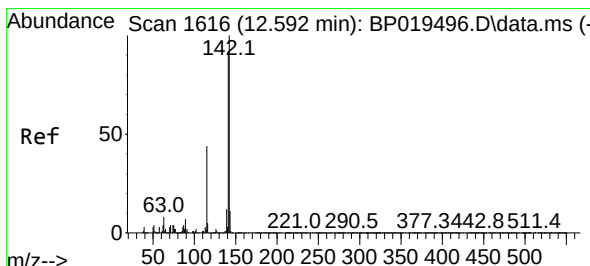
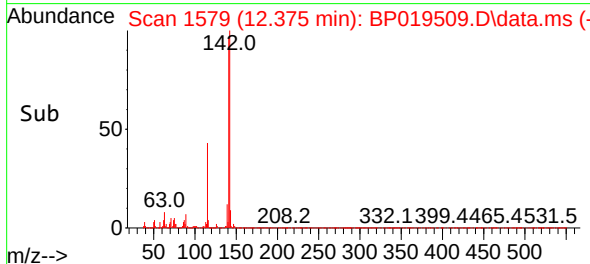
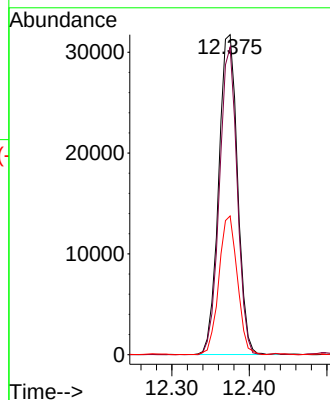
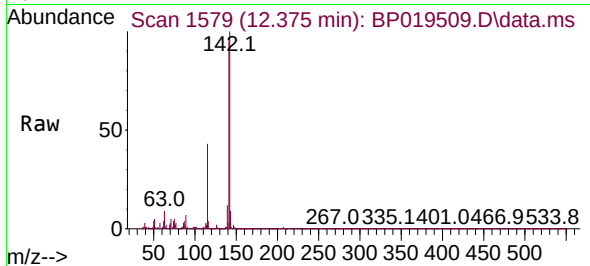




#37
2-Methylnaphthalene
Concen: 4.358 ng
RT: 12.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

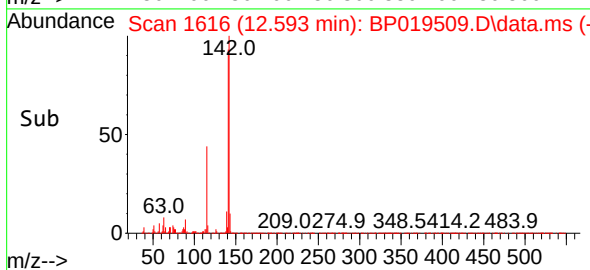
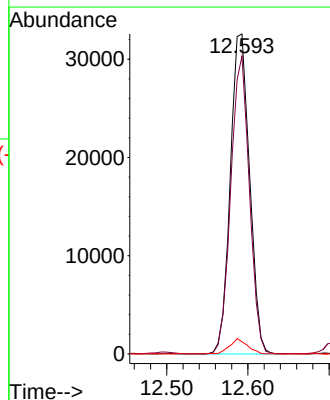
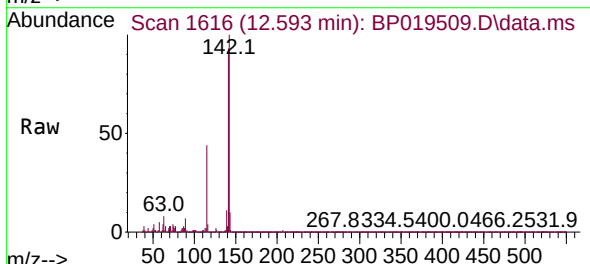
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

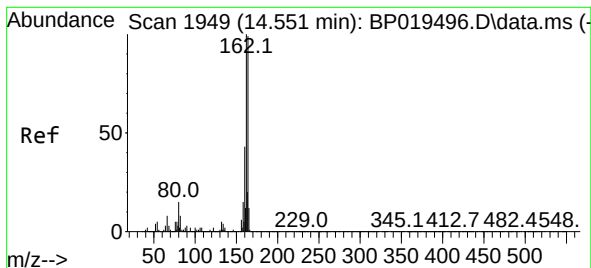
Tgt Ion:	142	Resp:	53652
Ion Ratio	Lower	Upper	
142	100		
141	96.1	72.2	108.4
115	43.3	34.2	51.2



#38
1-Methylnaphthalene
Concen: 4.443 ng
RT: 12.593 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:	142	Resp:	53761
Ion Ratio	Lower	Upper	
142	100		
141	93.1	74.0	111.0
116	3.8	3.7	5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1948

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

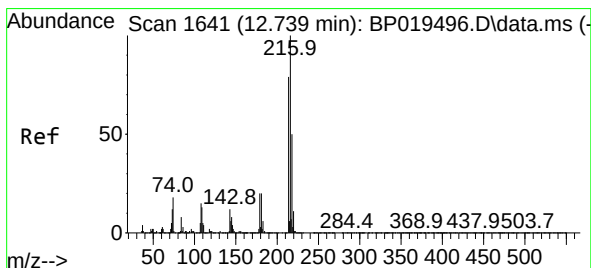
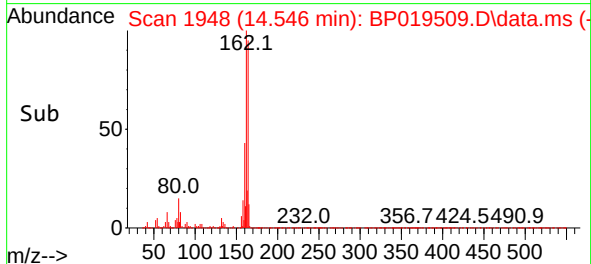
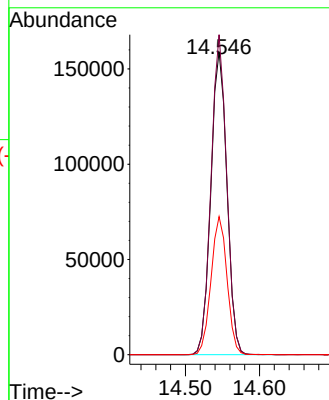
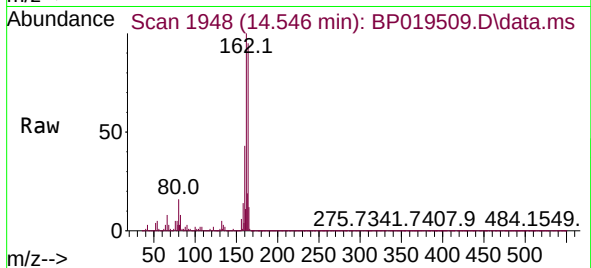
Tgt Ion:164 Resp: 239415

Ion Ratio Lower Upper

164 100

162 105.6 81.2 121.8

160 45.6 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.856 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Tgt Ion:216 Resp: 35600

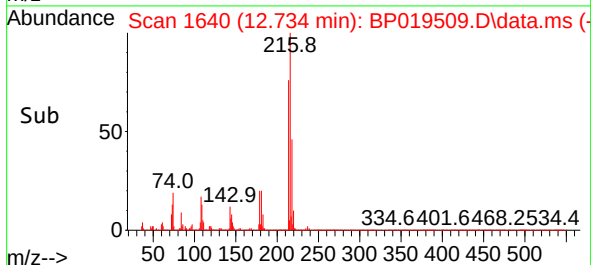
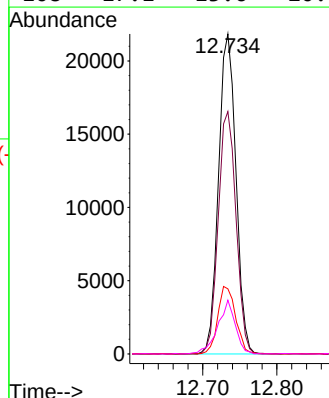
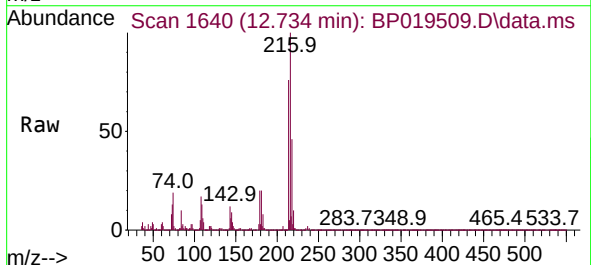
Ion Ratio Lower Upper

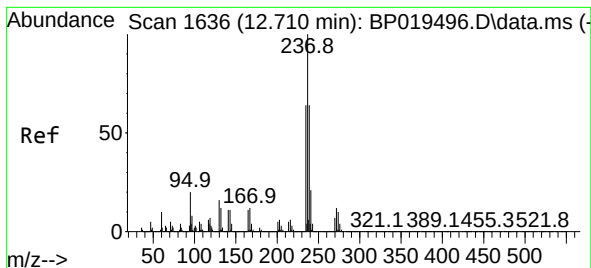
216 100

214 77.5 62.8 94.2

179 21.7 16.6 24.8

108 17.1 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 3.929 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

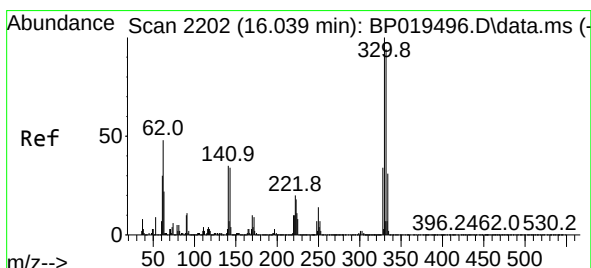
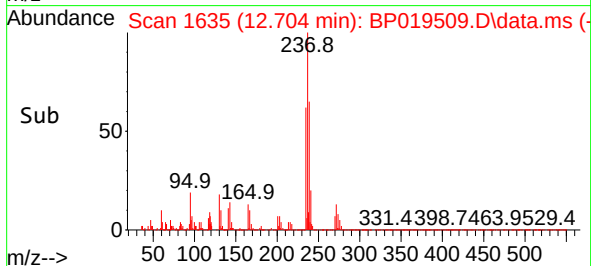
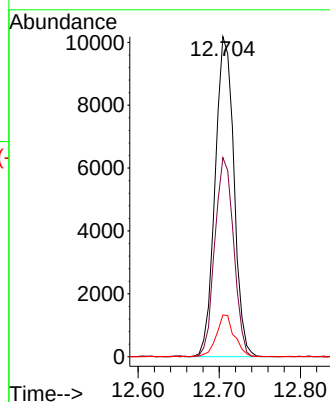
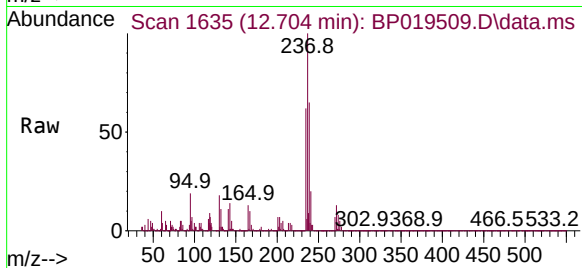
Tgt Ion:237 Resp: 16387

Ion Ratio Lower Upper

237 100

235 62.2 43.7 83.7

272 13.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 90.374 ng

RT: 16.040 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

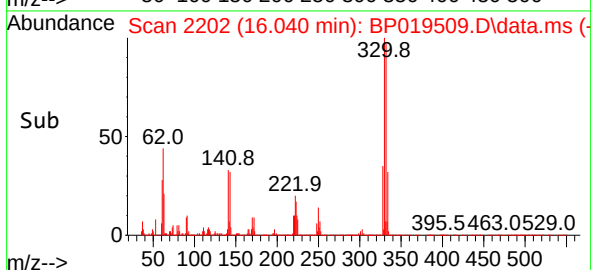
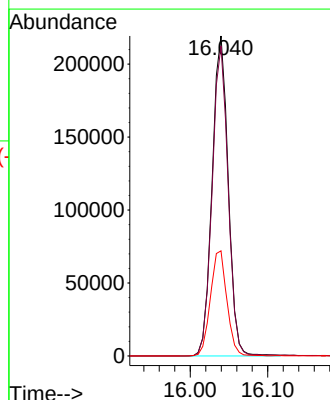
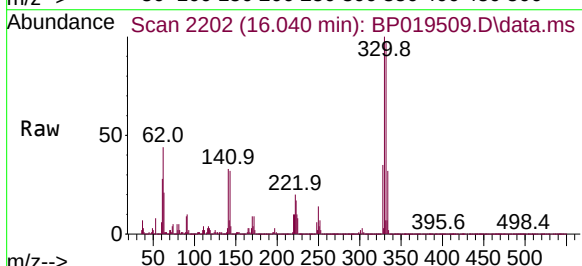
Tgt Ion:330 Resp: 315914

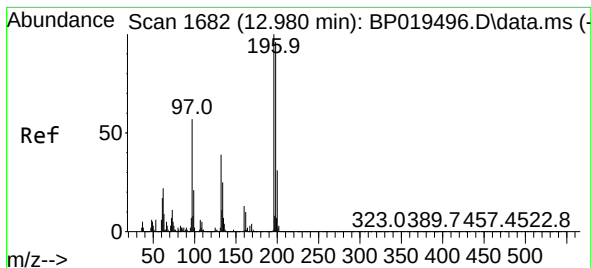
Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

141 33.7 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.854 ng

RT: 12.981 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

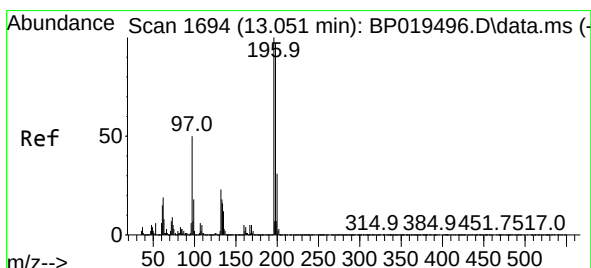
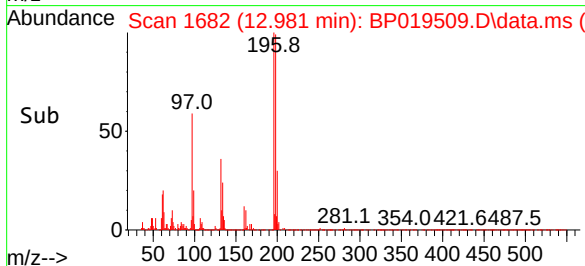
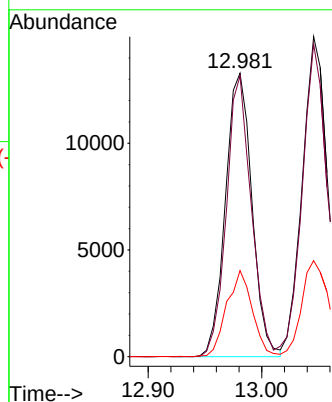
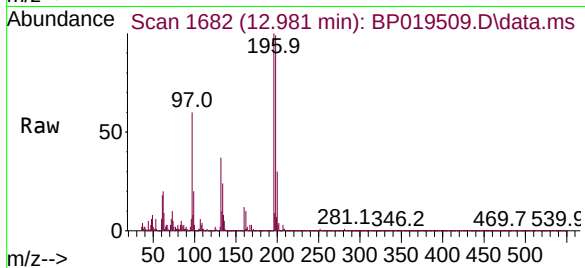
Tgt Ion:196 Resp: 21550

Ion Ratio Lower Upper

196 100

198 99.1 76.7 115.1

200 30.4 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.760 ng

RT: 13.046 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Tgt Ion:196 Resp: 23082

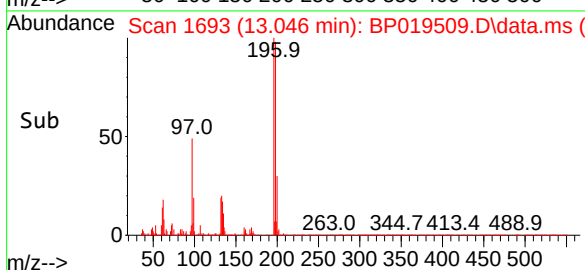
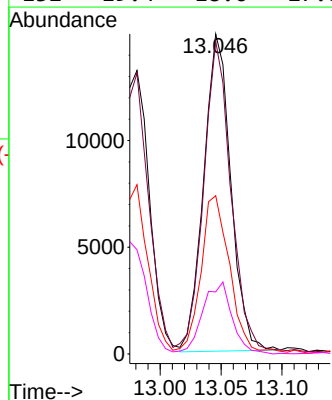
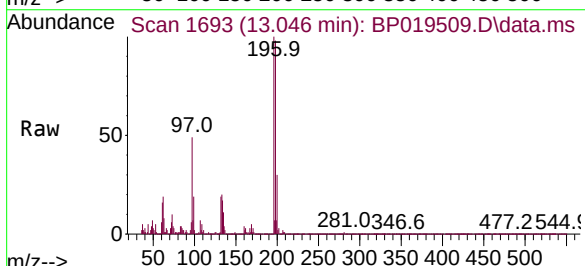
Ion Ratio Lower Upper

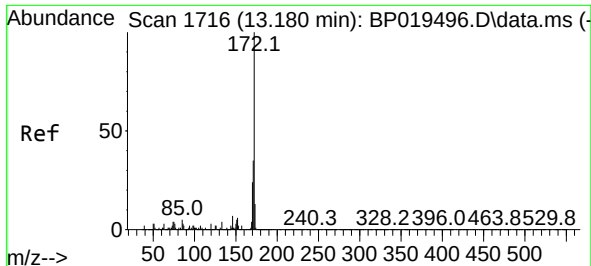
196 100

198 97.7 77.5 116.3

97 49.5 39.9 59.9

132 19.4 18.6 27.8



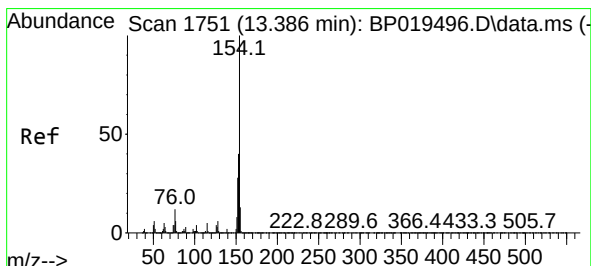
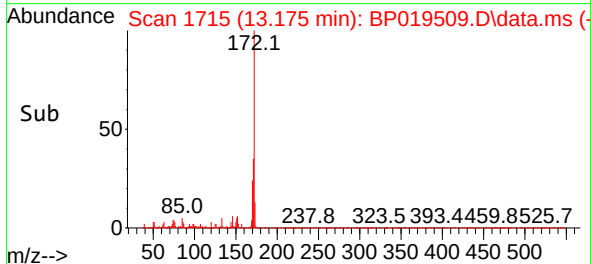
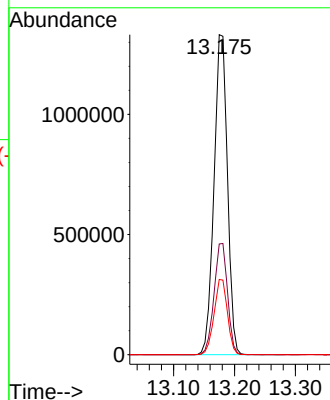
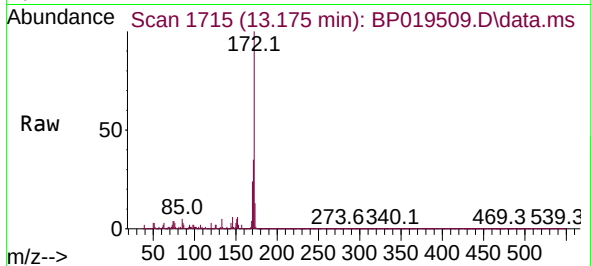


#45
2-Fluorobiphenyl
Concen: 105.480 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:172 Resp: 2042792

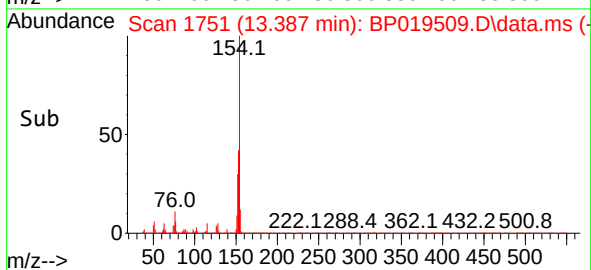
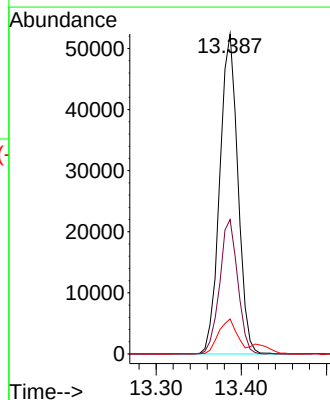
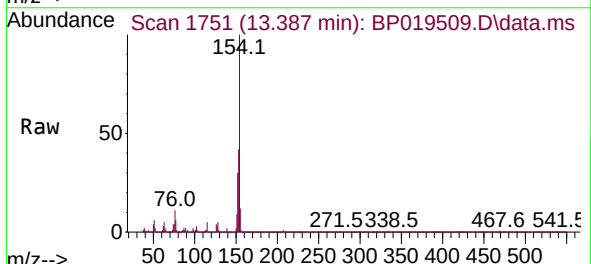
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	23.5	18.9	28.3

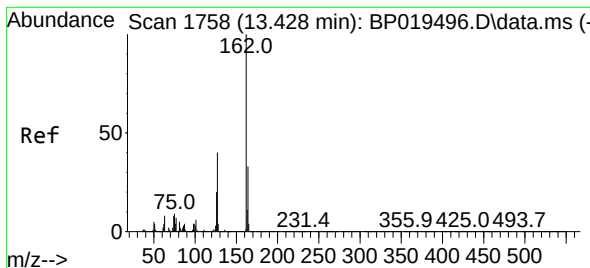


#46
1,1'-Biphenyl
Concen: 4.041 ng
RT: 13.387 min Scan# 1751
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:154 Resp: 77219

Ion	Ratio	Lower	Upper
154	100		
153	42.0	20.2	60.2
76	11.0	0.0	31.6





#47

2-Chloronaphthalene

Concen: 3.985 ng

RT: 13.422 min Scan# 1757

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

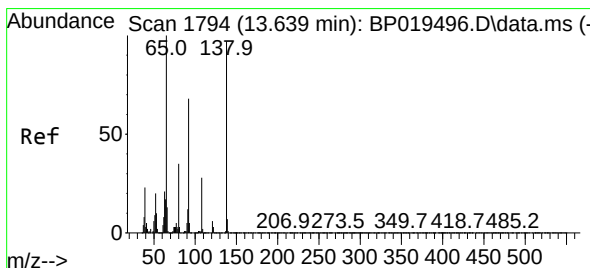
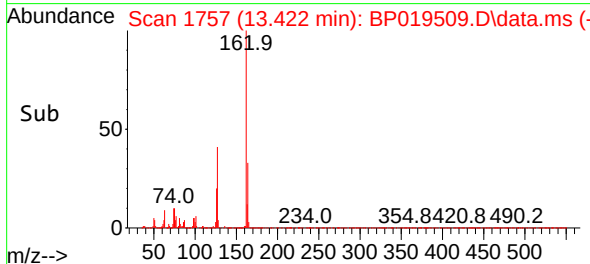
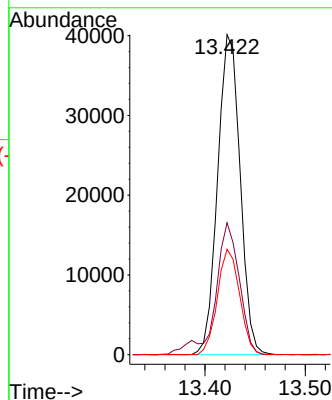
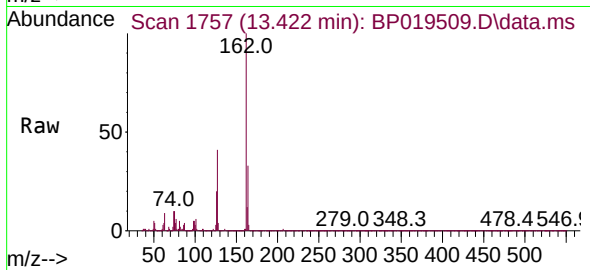
Tgt Ion:162 Resp: 62502

Ion Ratio Lower Upper

162 100

127 41.2 32.1 48.1

164 32.9 26.7 40.1



#48

2-Nitroaniline

Concen: 4.085 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

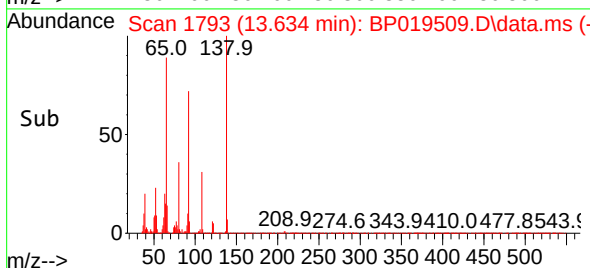
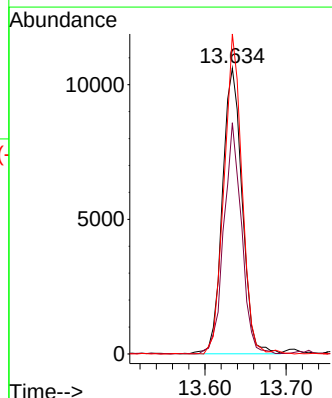
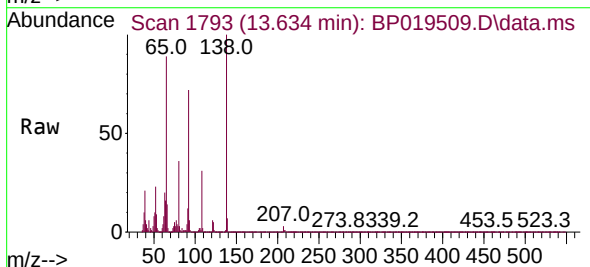
Tgt Ion: 65 Resp: 17916

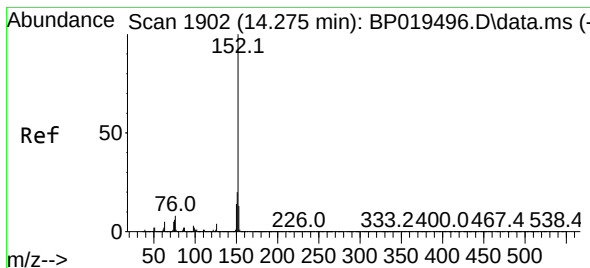
Ion Ratio Lower Upper

65 100

92 80.9 54.7 82.1

138 112.0 77.8 116.6





#49

Acenaphthylene

Concen: 4.563 ng

RT: 14.269 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

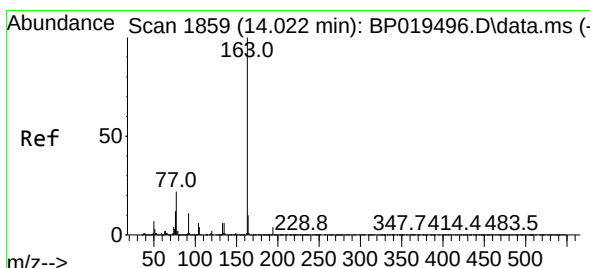
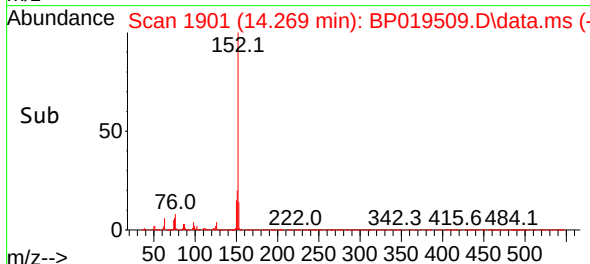
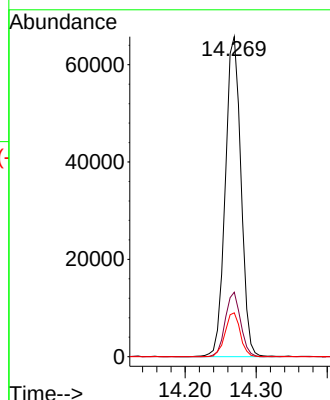
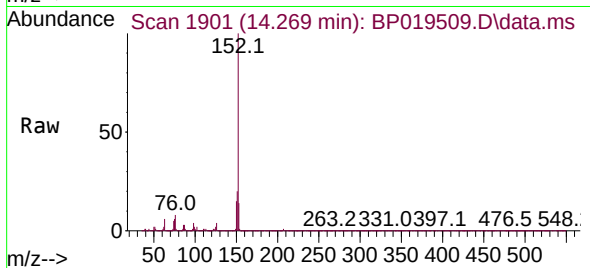
Tgt Ion:152 Resp: 100417

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

153 13.7 10.6 15.8



#50

Dimethylphthalate

Concen: 4.498 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

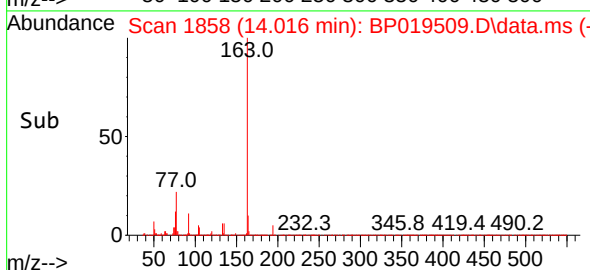
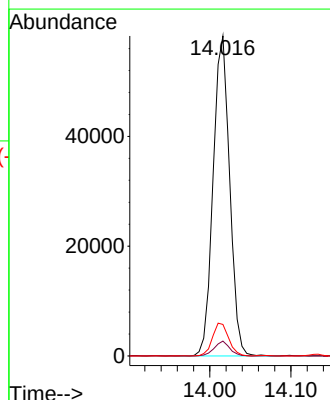
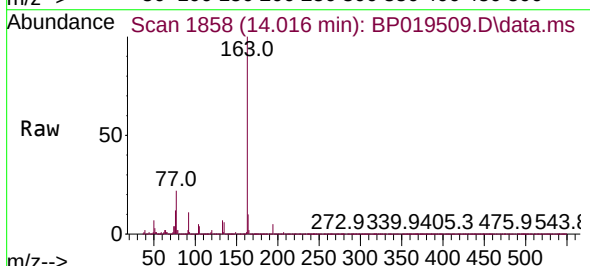
Tgt Ion:163 Resp: 82430

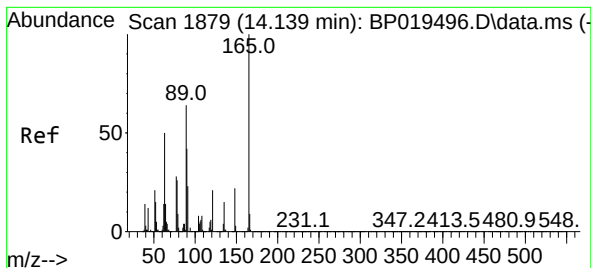
Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

164 9.9 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 4.010 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

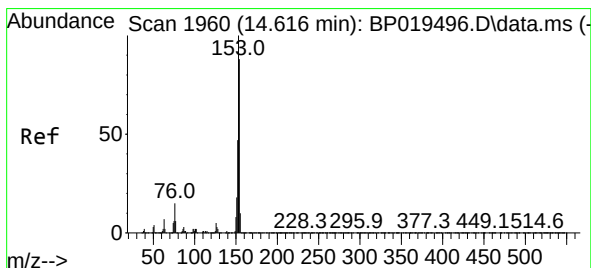
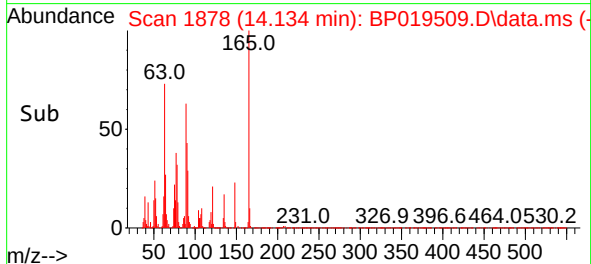
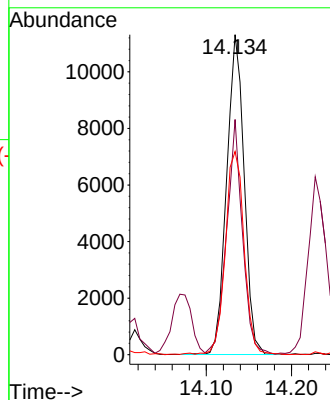
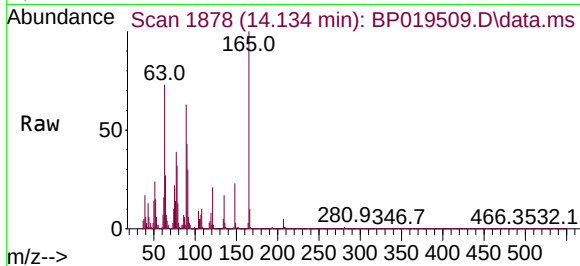
Tgt Ion:165 Resp: 16148

Ion Ratio Lower Upper

165 100

63 73.5 50.4 75.6

89 63.5 51.7 77.5



#52

Acenaphthene

Concen: 4.275 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

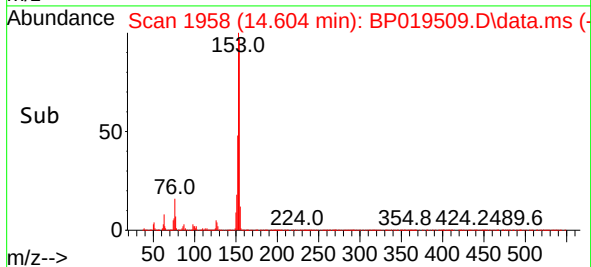
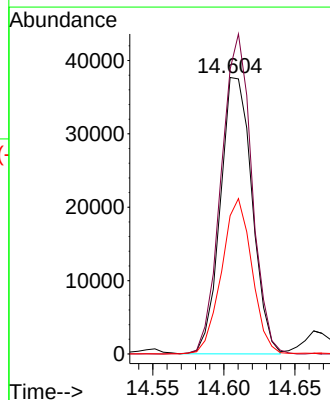
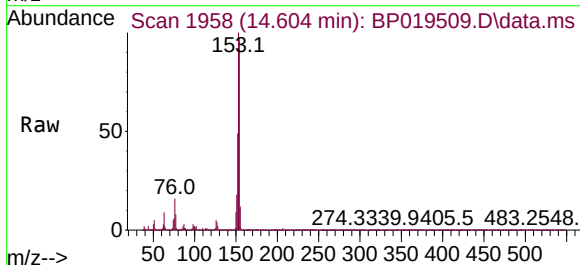
Tgt Ion:154 Resp: 58384

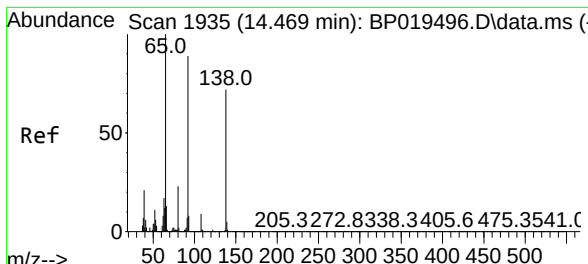
Ion Ratio Lower Upper

154 100

153 103.0 90.5 135.7

152 50.0 42.1 63.1



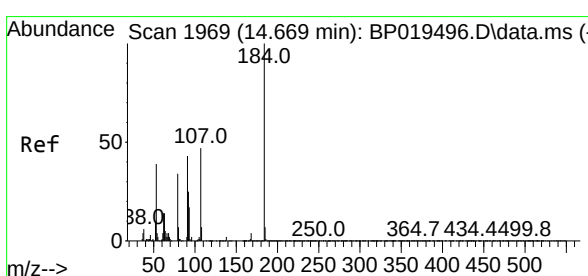
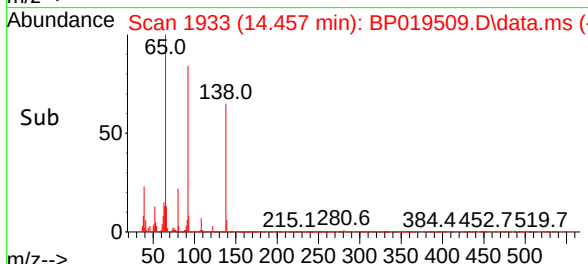
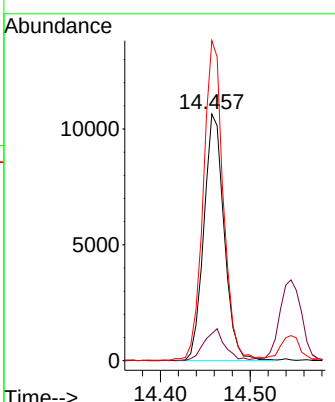
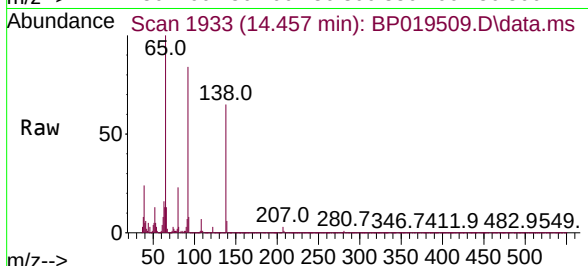


#53
3-Nitroaniline
Concen: 4.504 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2023

Tgt Ion:138 Resp: 16667

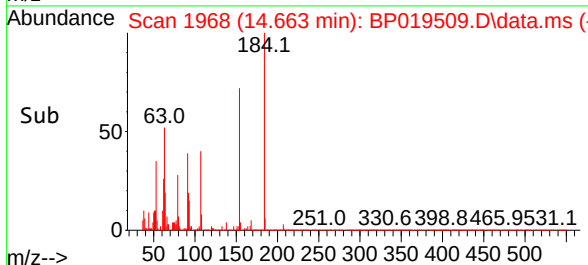
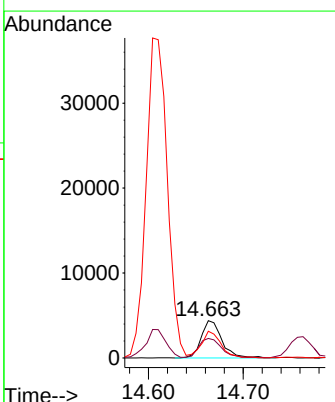
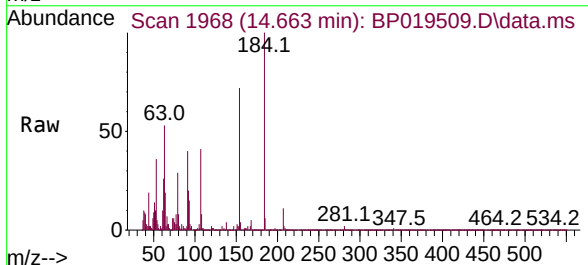
Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.7	14.5
92	129.8	98.0	147.0

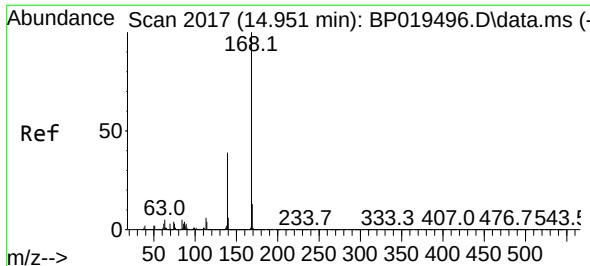


#54
2,4-Dinitrophenol
Concen: 3.170 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:184 Resp: 6627

Ion	Ratio	Lower	Upper
184	100		
63	52.5	50.5	75.7
154	71.7	53.4	80.0

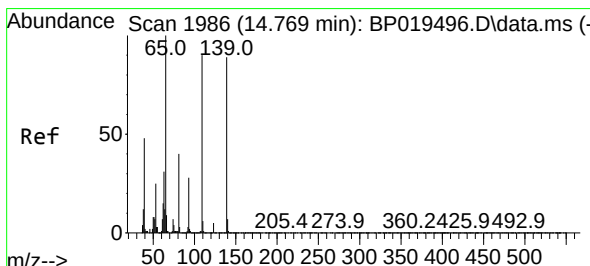
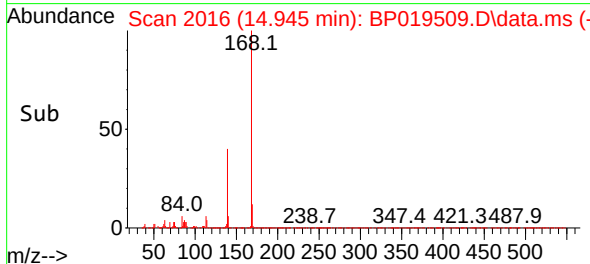
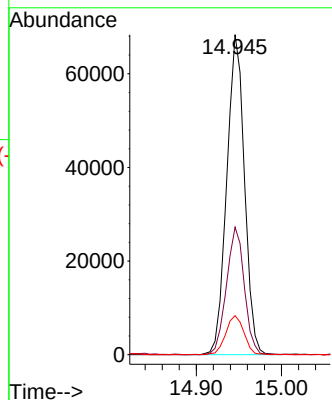
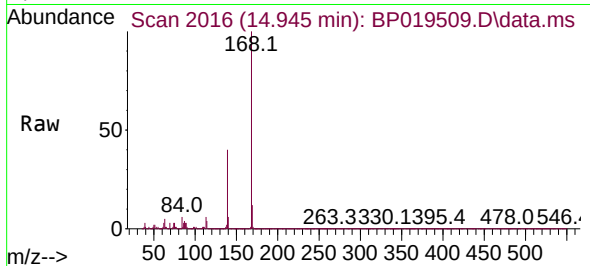




#55
Dibenzenofuran
Concen: 4.451 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

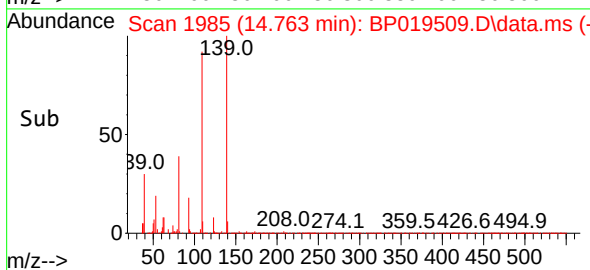
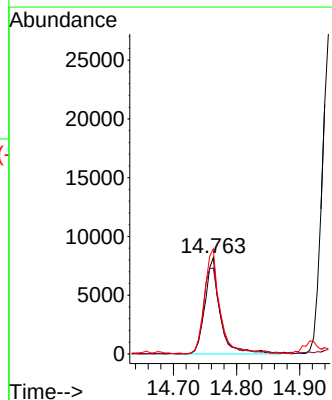
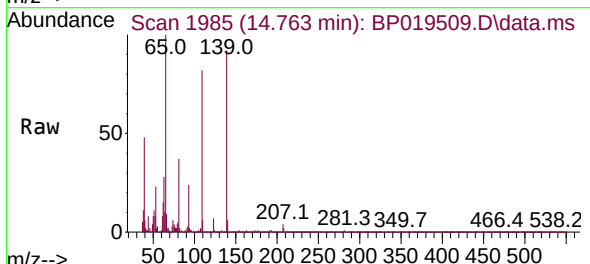
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

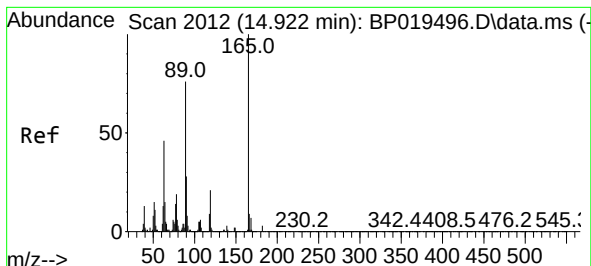
Tgt Ion:168 Resp: 99020
Ion Ratio Lower Upper
168 100
139 39.8 31.5 47.3
169 12.2 10.3 15.5



#56
4-Nitrophenol
Concen: 4.455 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:139 Resp: 13514
Ion Ratio Lower Upper
139 100
109 89.4 82.0 122.0
65 109.0 92.9 132.9

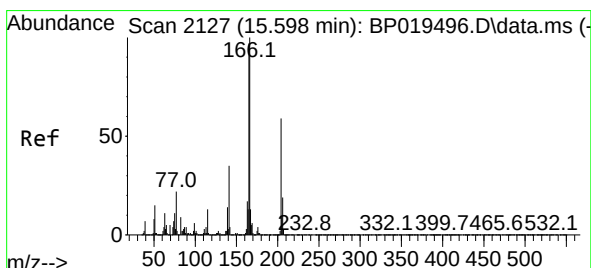
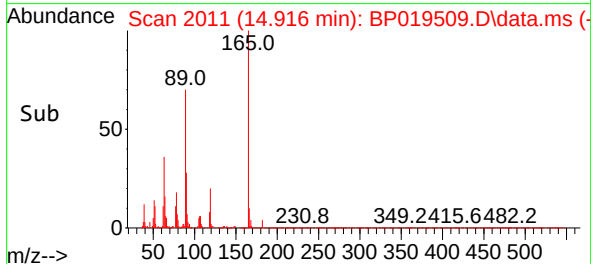
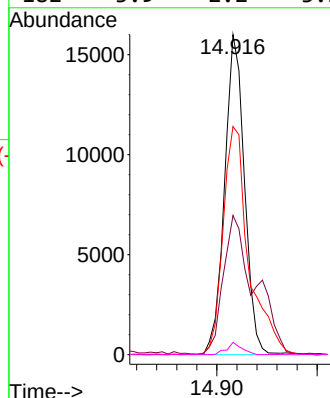
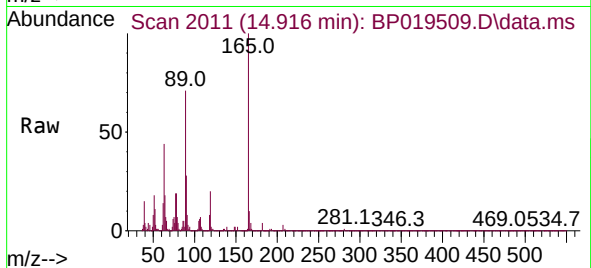




#57
2,4-Dinitrotoluene
Concen: 4.164 ng
RT: 14.916 min Scan# 2012
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

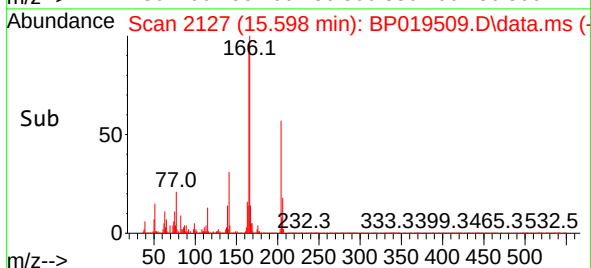
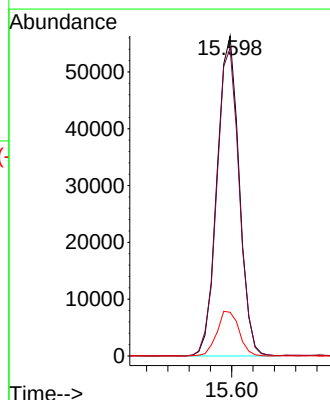
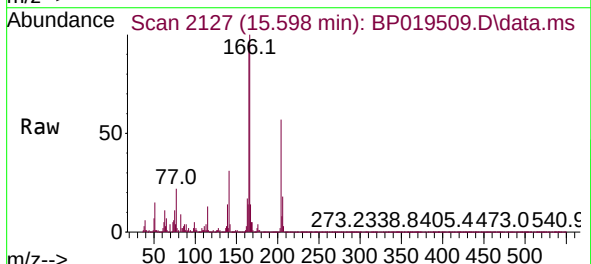
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

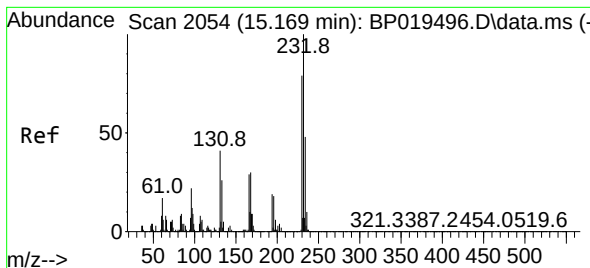
Tgt Ion:	165	Resp:	21972
Ion	Ratio	Lower	Upper
165	100		
63	43.5	36.9	55.3
89	71.3	61.1	91.7
182	3.9	2.2	3.2



#58
Fluorene
Concen: 4.558 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:	166	Resp:	80752
Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.8	116.8
167	13.6	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.362 ng

RT: 15.169 min Scan# 2054

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:232 Resp: 22524

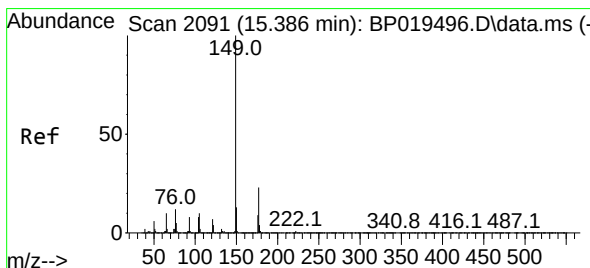
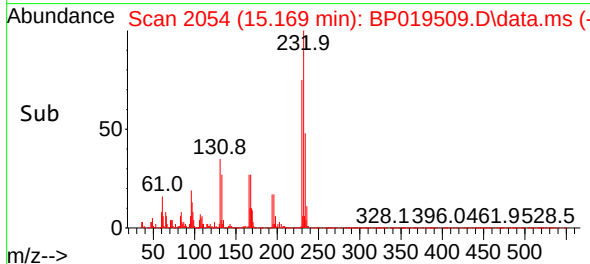
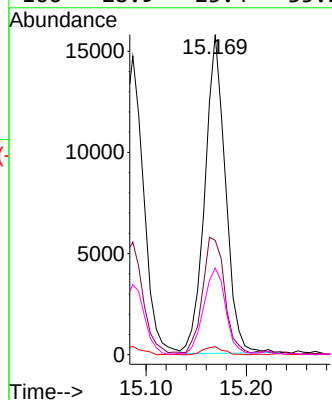
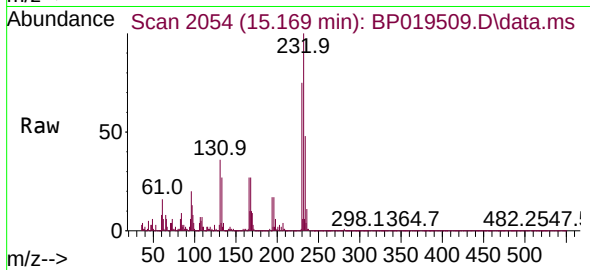
Ion Ratio Lower Upper

232 100

131 38.7 32.4 48.6

130 2.4 1.9 2.9

166 28.9 23.4 35.2



#60

Diethylphthalate

Concen: 4.543 ng

RT: 15.381 min Scan# 2090

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

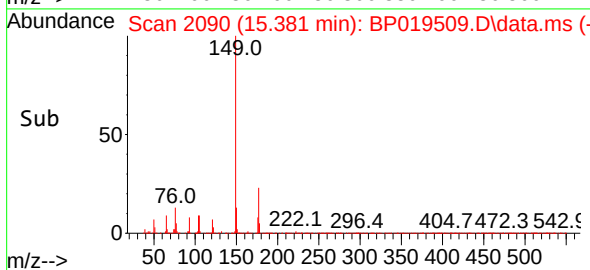
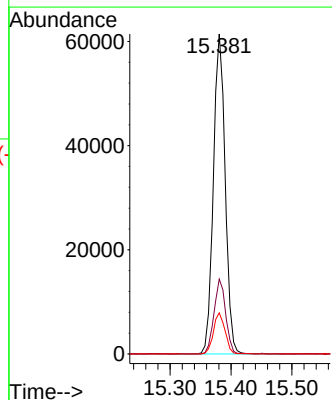
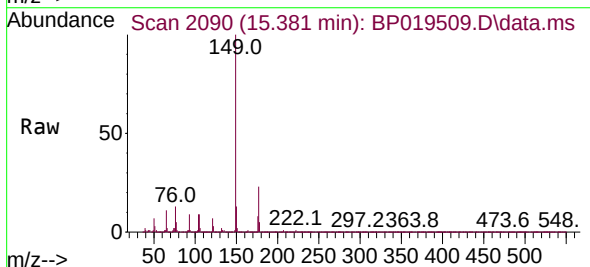
Tgt Ion:149 Resp: 82824

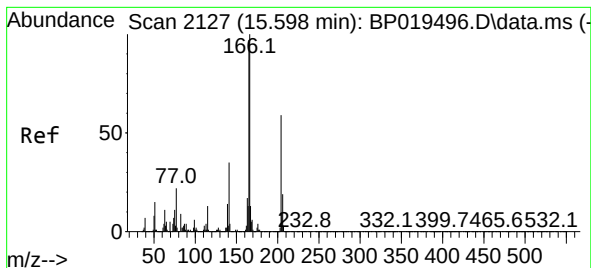
Ion Ratio Lower Upper

149 100

177 23.4 18.2 27.2

150 12.8 10.2 15.4

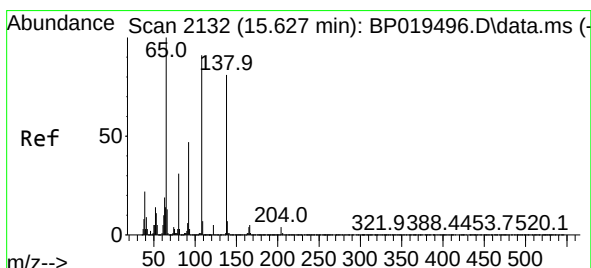
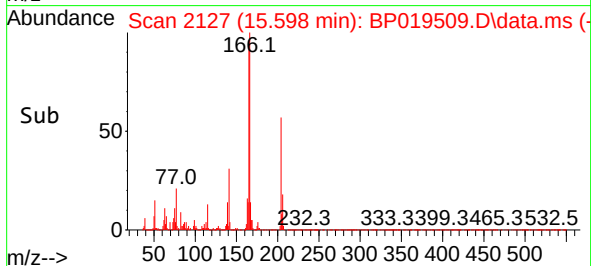
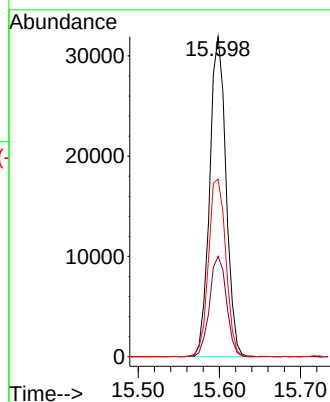
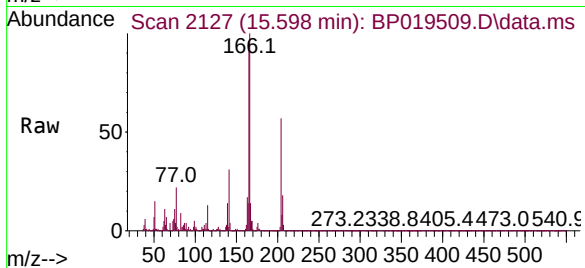




#61
4-Chlorophenyl-phenylether
Concen: 4.475 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

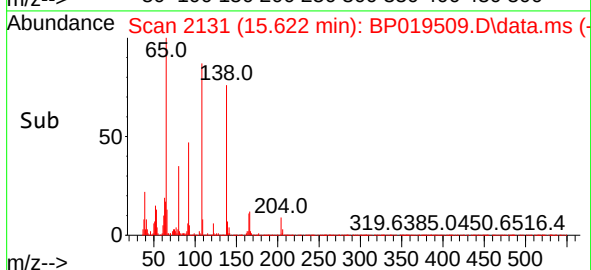
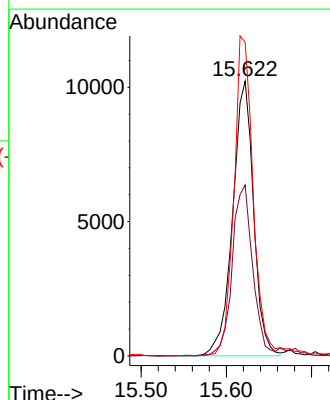
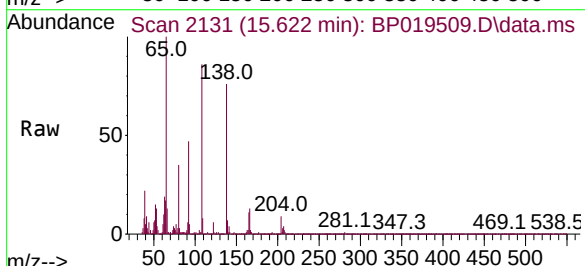
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

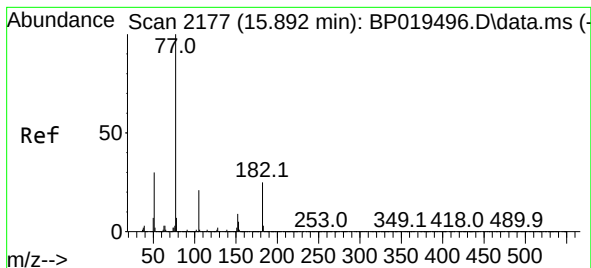
Tgt Ion:204 Resp: 44568
Ion Ratio Lower Upper
204 100
206 31.3 26.5 39.7
141 55.4 48.5 72.7



#62
4-Nitroaniline
Concen: 4.500 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:138 Resp: 17456
Ion Ratio Lower Upper
138 100
92 62.2 38.3 78.3
108 114.1 91.2 131.2





#63

Azobenzene

Concen: 4.402 ng

RT: 15.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 77 Resp: 77596

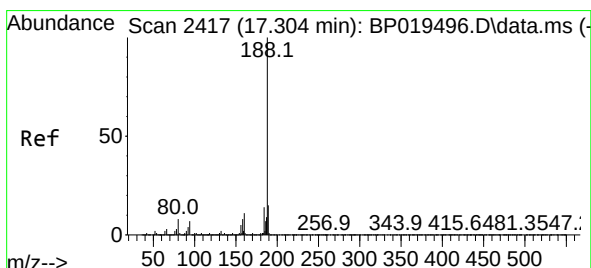
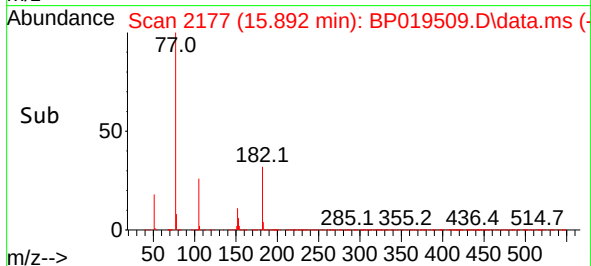
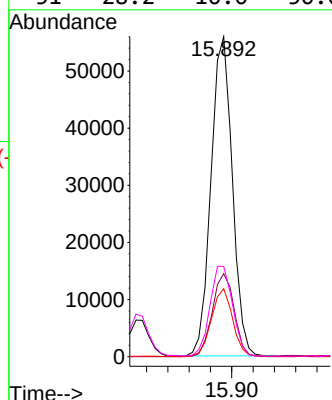
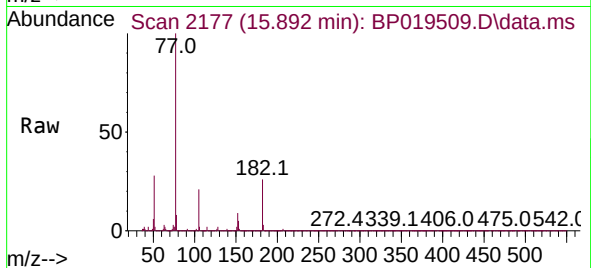
Ion Ratio Lower Upper

77 100

182 25.9 5.1 45.1

105 21.3 0.8 40.8

51 28.2 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

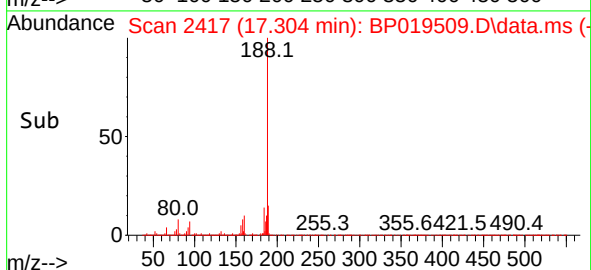
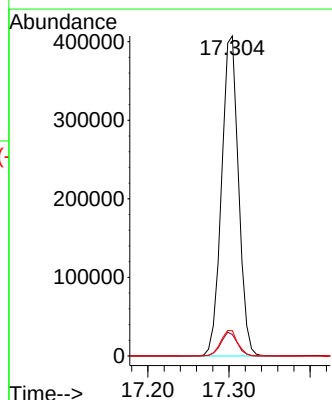
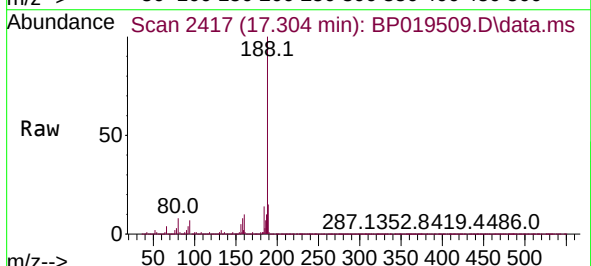
Tgt Ion: 188 Resp: 591313

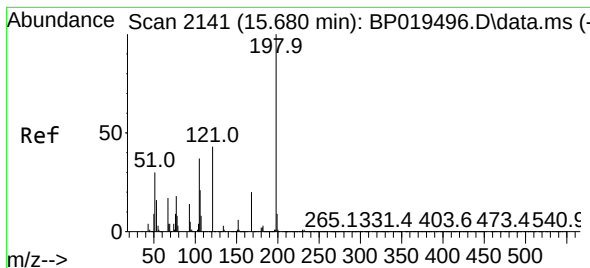
Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.9 6.3 9.5

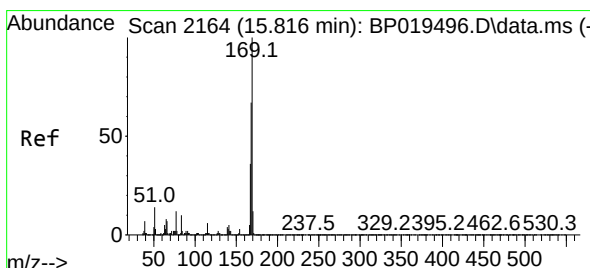
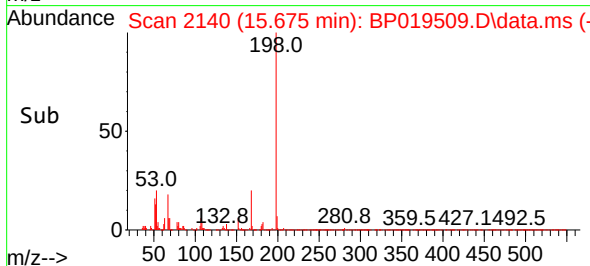
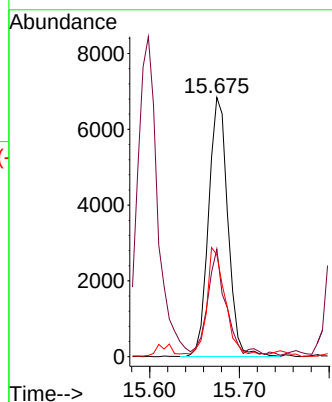
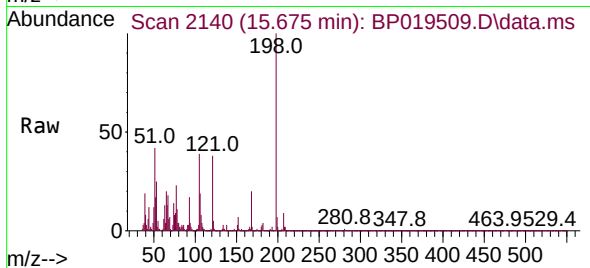




#65
4,6-Dinitro-2-methylphenol
Concen: 3.024 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

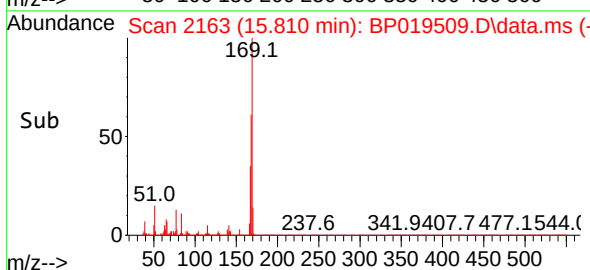
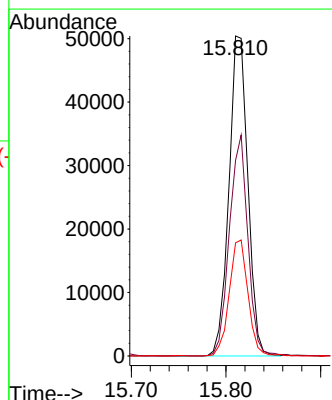
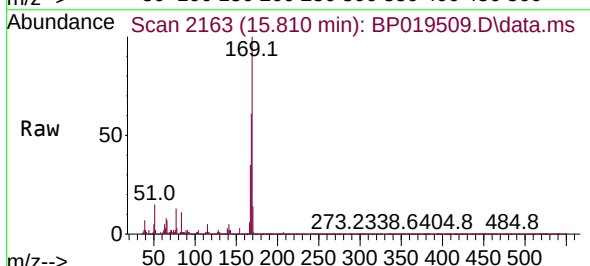
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

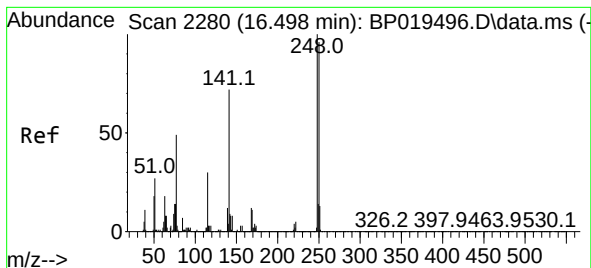
Tgt Ion	Ratio	Lower	Upper
198	100		
51	41.5	21.2	61.2
105	39.3	19.1	59.1



#66
n-Nitrosodiphenylamine
Concen: 3.952 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion	Ratio	Lower	Upper
169	100		
168	61.1	53.4	80.2
167	35.4	28.9	43.3

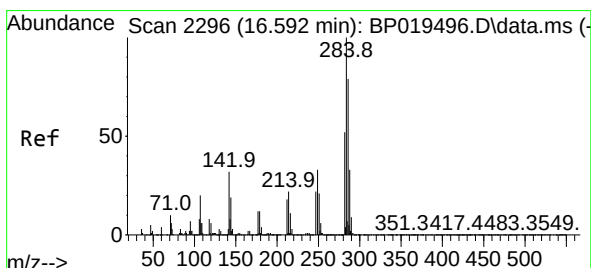
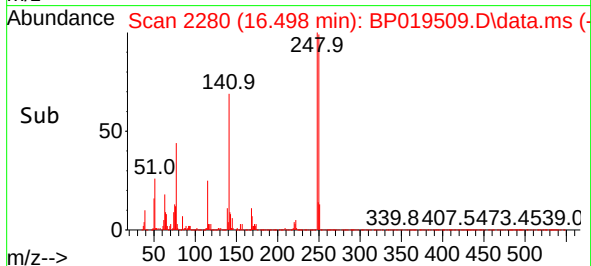
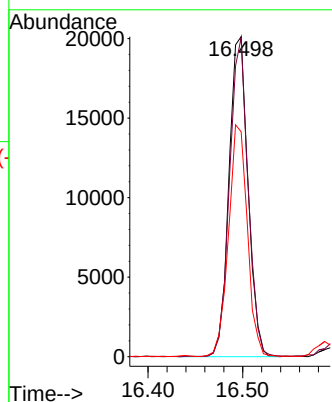
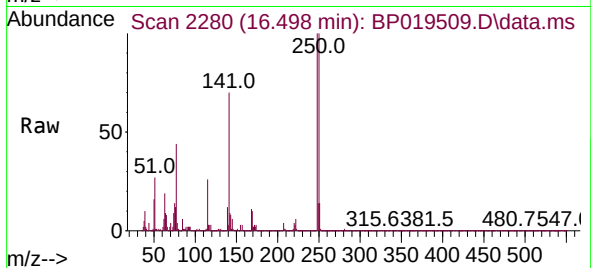




#67
4-Bromophenyl-phenylether
Concen: 3.798 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

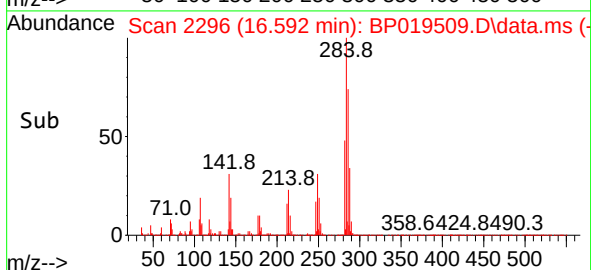
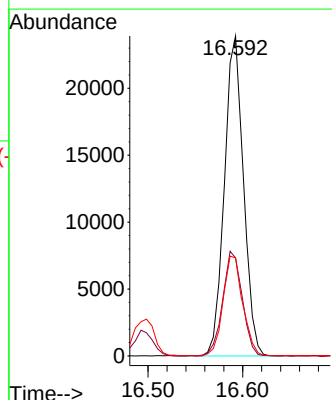
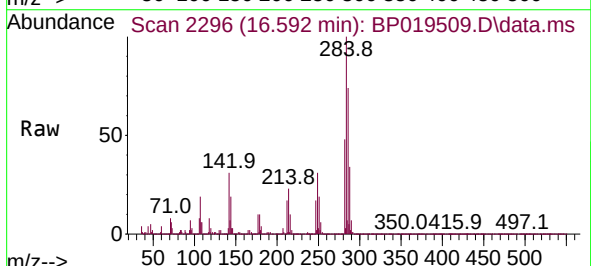
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

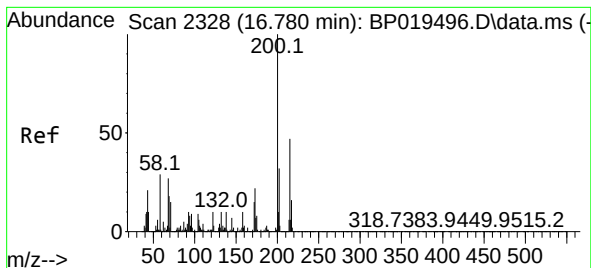
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.7	76.9	115.3
141	70.3	58.0	87.0



#68
Hexachlorobenzene
Concen: 3.883 ng
RT: 16.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	25.4	38.2
249	30.7	26.5	39.7





#69

Atrazine

Concen: 5.113 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

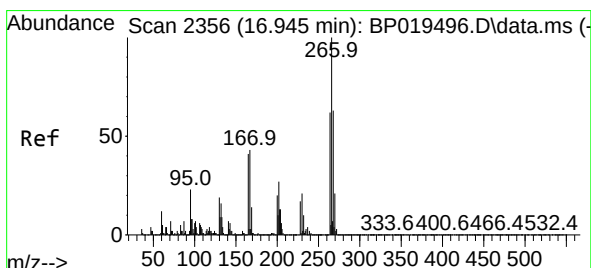
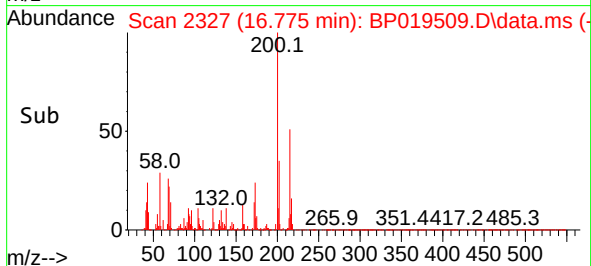
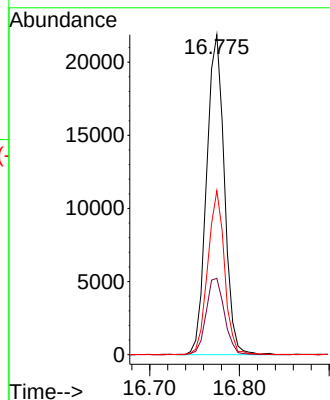
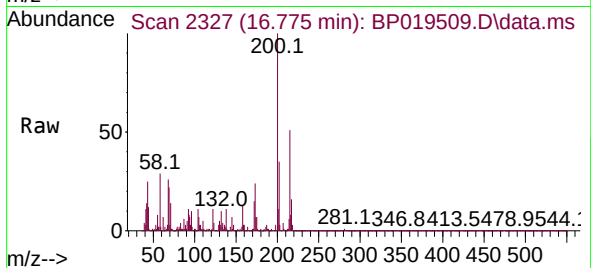
Tgt Ion:200 Resp: 30048

Ion Ratio Lower Upper

200 100

173 23.8 1.7 41.7

215 51.3 26.9 66.9



#70

Pentachlorophenol

Concen: 3.218 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

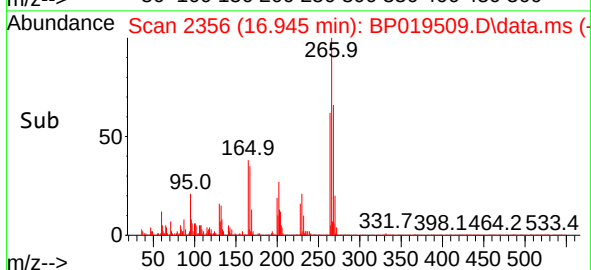
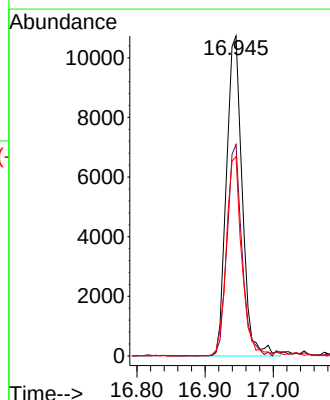
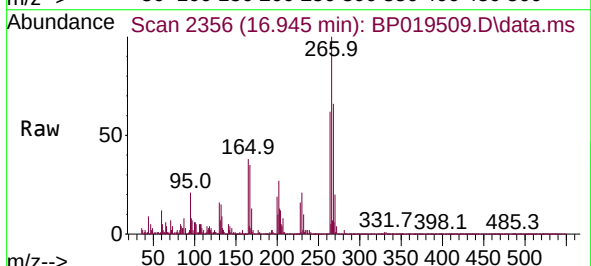
Tgt Ion:266 Resp: 17300

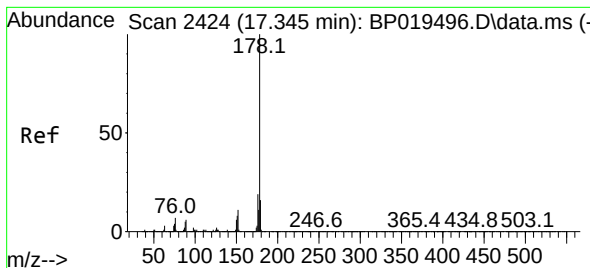
Ion Ratio Lower Upper

266 100

268 66.0 50.3 75.5

264 62.3 49.7 74.5





#71

Phenanthrene

Concen: 4.363 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

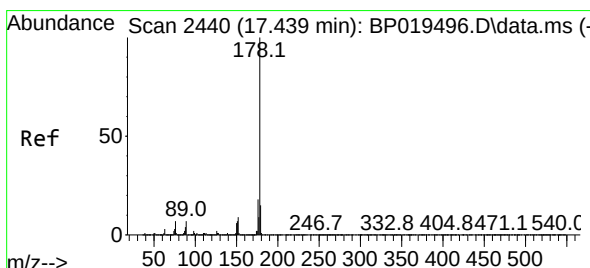
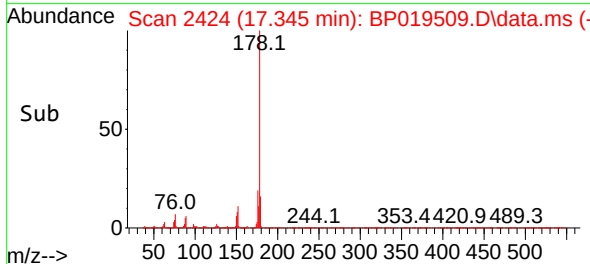
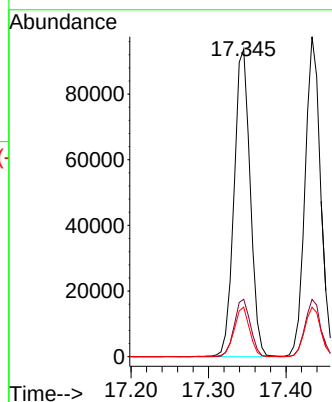
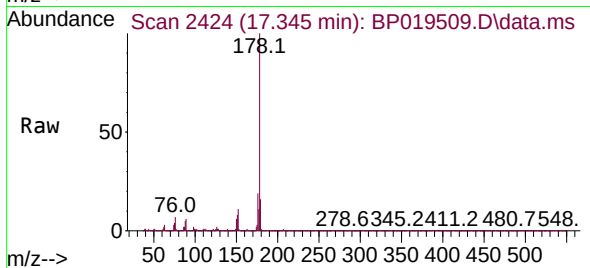
Tgt Ion:178 Resp: 135787

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 16.1 12.6 19.0



#72

Anthracene

Concen: 4.372 ng

RT: 17.434 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

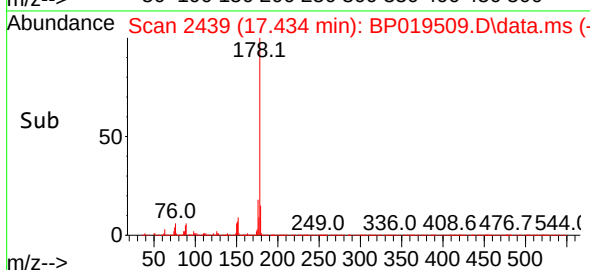
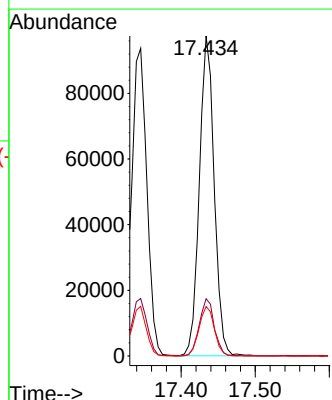
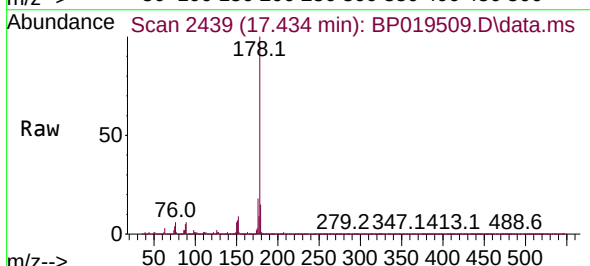
Tgt Ion:178 Resp: 135708

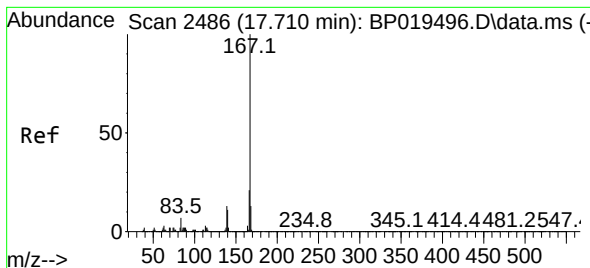
Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

179 15.4 12.2 18.2





#73

Carbazole

Concen: 4.378 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

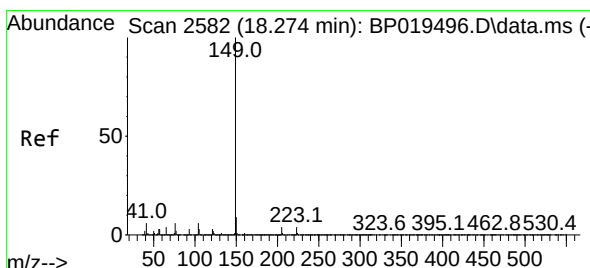
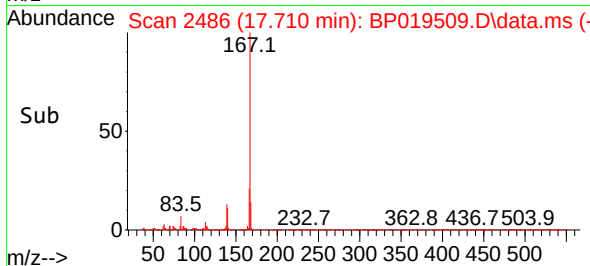
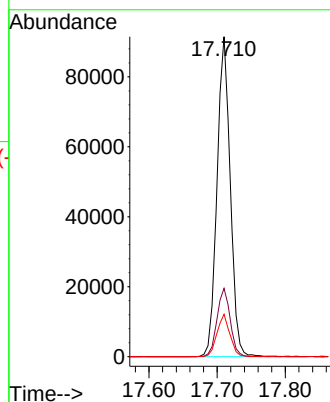
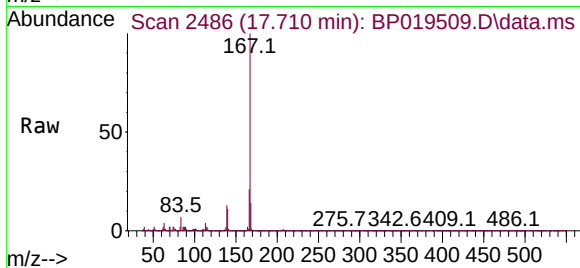
Tgt Ion:167 Resp: 123462

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 13.2 10.6 15.8



#74

Di-n-butylphthalate

Concen: 4.049 ng

RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

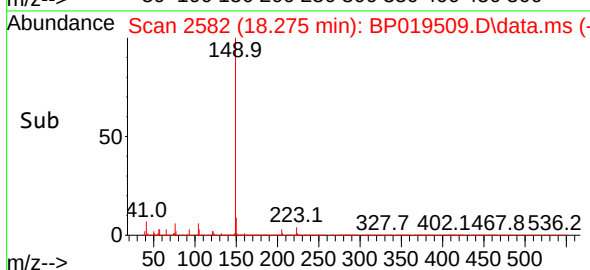
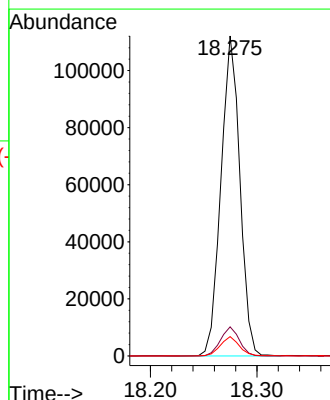
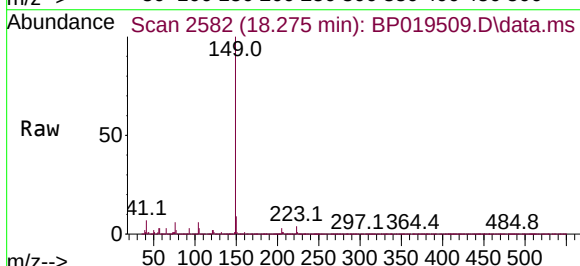
Tgt Ion:149 Resp: 138067

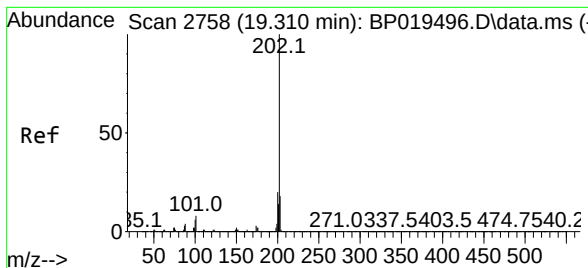
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 6.0 4.8 7.2





#75

Fluoranthene

Concen: 4.386 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

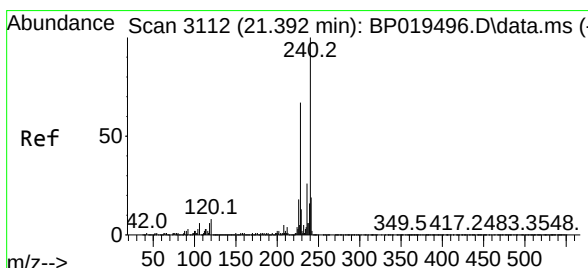
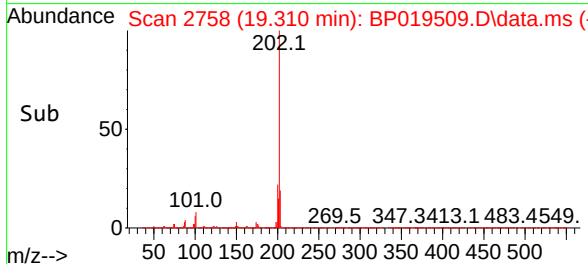
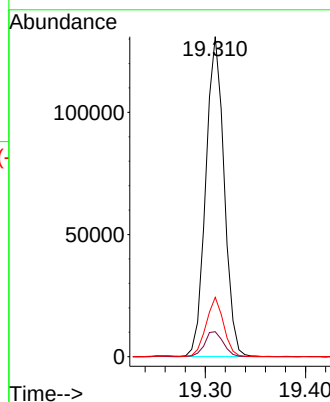
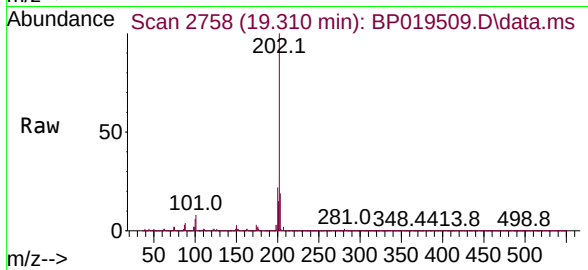
Tgt Ion:202 Resp: 166748

Ion Ratio Lower Upper

202 100

101 7.8 0.0 27.7

203 18.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

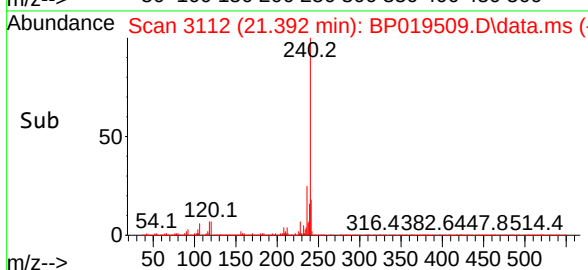
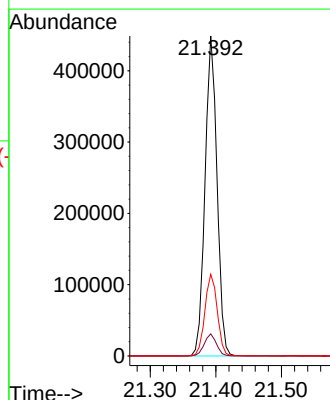
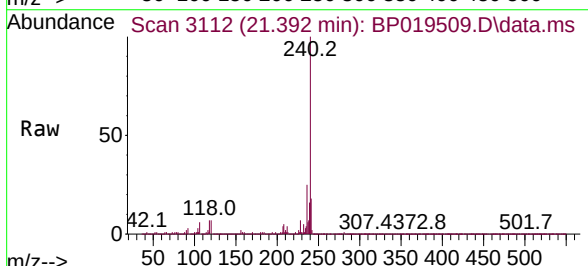
Tgt Ion:240 Resp: 571103

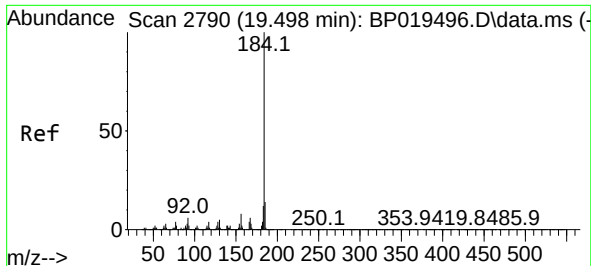
Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 25.5 20.7 31.1

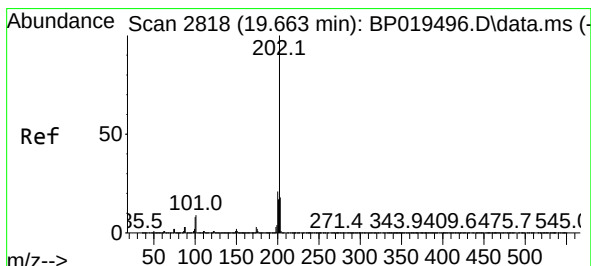
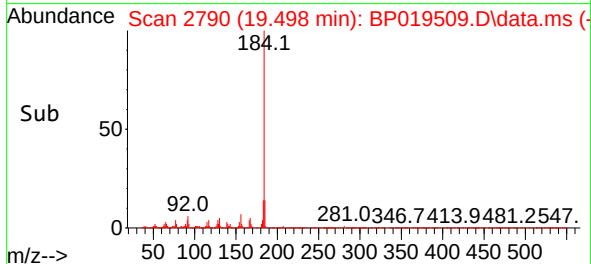
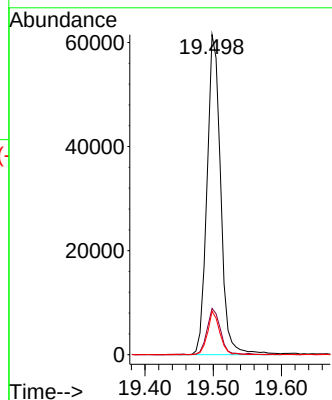
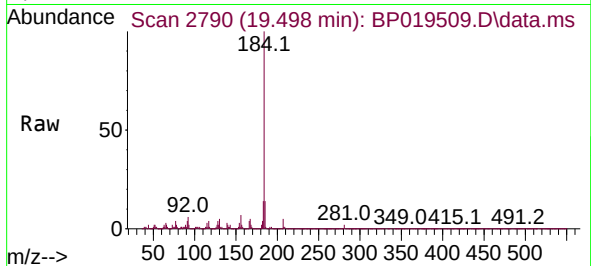




#77
Benzidine
Concen: 7.195 ng
RT: 19.498 min Scan# 2790
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

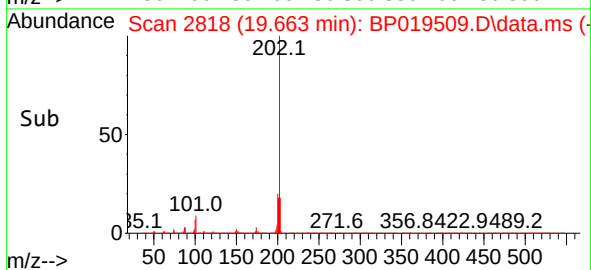
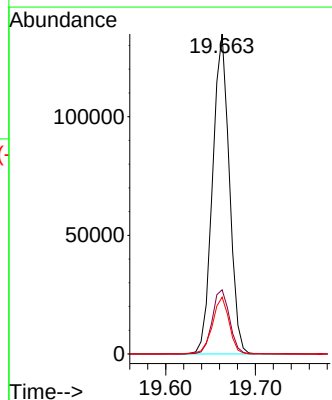
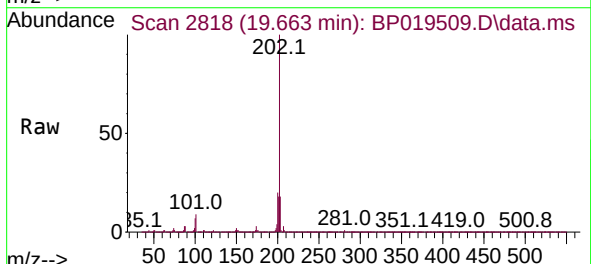
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

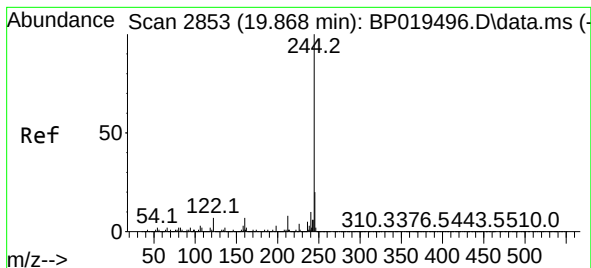
Tgt Ion:184	Resp:	85906
Ion Ratio	Lower	Upper
184	100	
185	14.4	11.1 16.7
183	13.6	9.7 14.5



#78
Pyrene
Concen: 4.334 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP019509.D
Acq: 01 Feb 2024 15:42

Tgt Ion:202	Resp:	174670
Ion Ratio	Lower	Upper
202	100	
200	20.1	16.9 25.3
203	17.7	14.2 21.2





#79

Terphenyl-d14

Concen: 120.122 ng

RT: 19.875 min Scan# 2853

Delta R.T. 0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

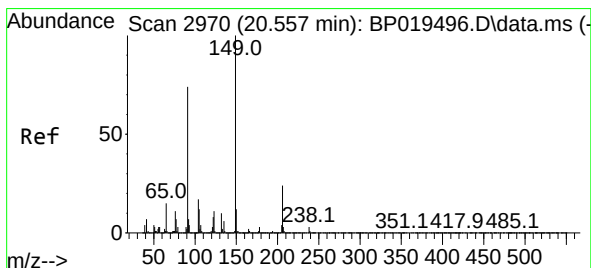
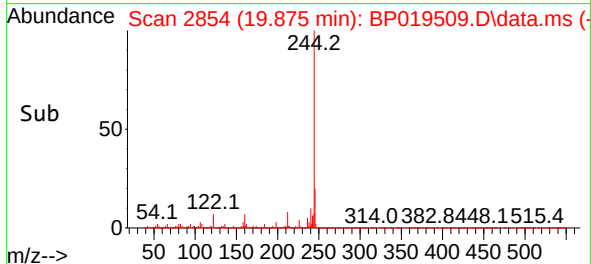
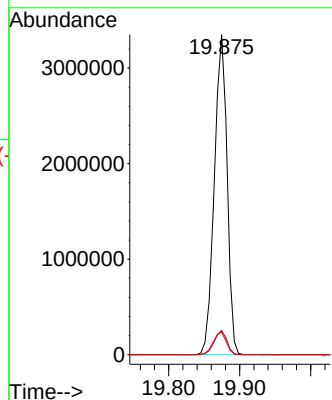
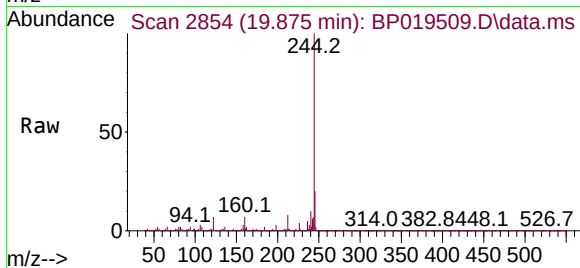
Tgt Ion:244 Resp: 4171499

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.0 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.814 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

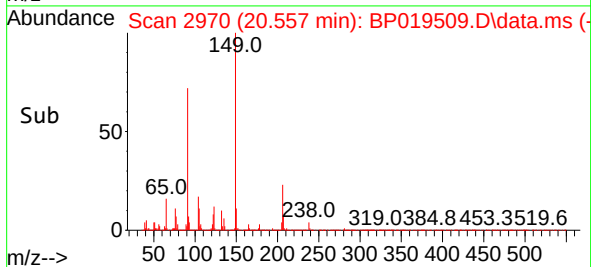
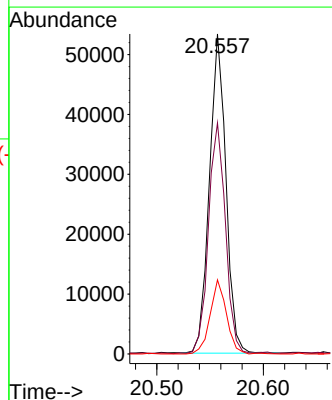
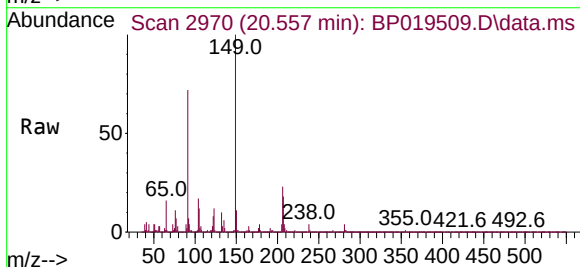
Tgt Ion:149 Resp: 57409

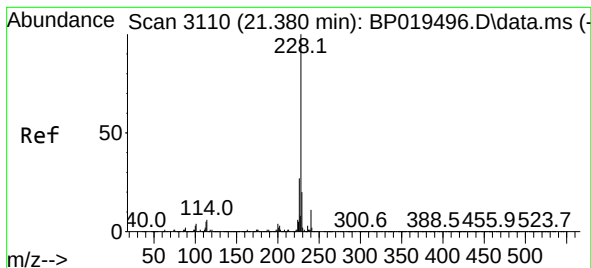
Ion Ratio Lower Upper

149 100

91 72.2 59.4 89.0

206 23.1 19.0 28.6





#81

Benzo(a)anthracene

Concen: 4.268 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

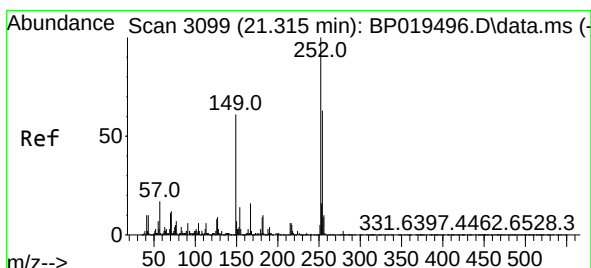
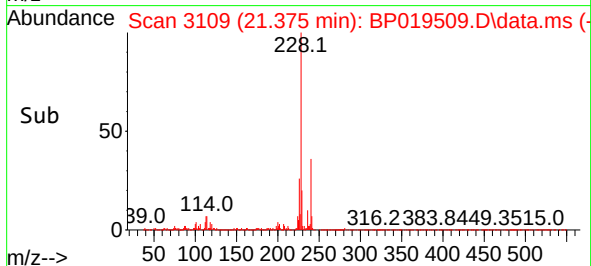
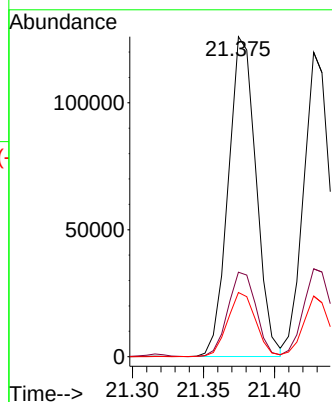
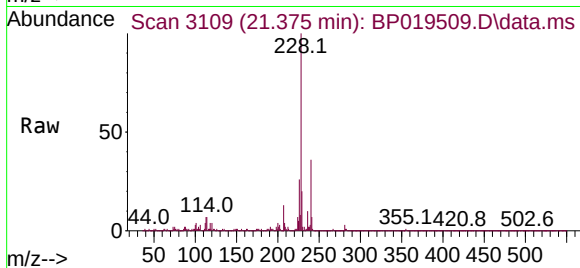
Tgt Ion:228 Resp: 171565

Ion Ratio Lower Upper

228 100

226 26.4 21.7 32.5

229 20.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 4.195 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

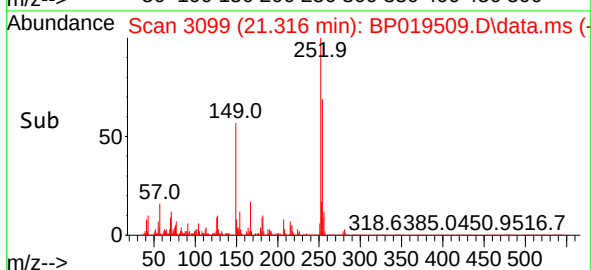
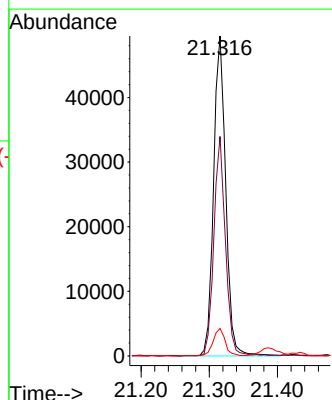
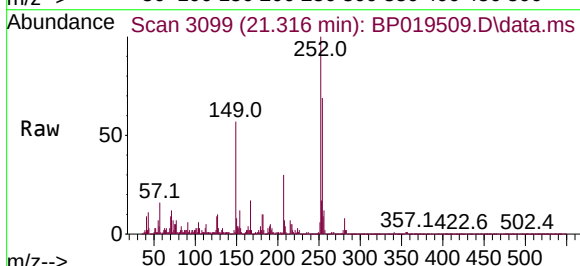
Tgt Ion:252 Resp: 61449

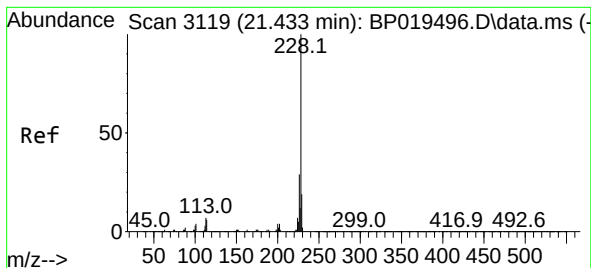
Ion Ratio Lower Upper

252 100

254 68.6 50.7 76.1

126 8.6 6.4 9.6





#83

Chrysene

Concen: 4.077 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

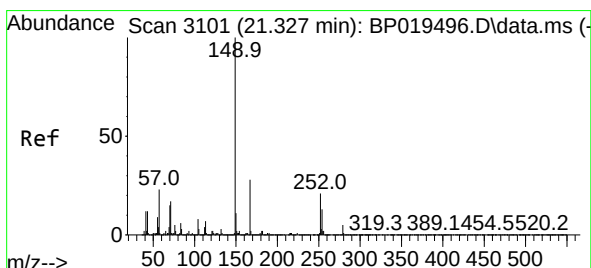
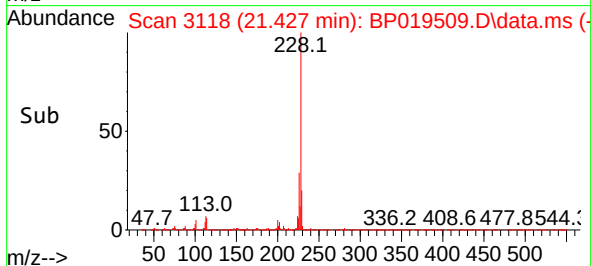
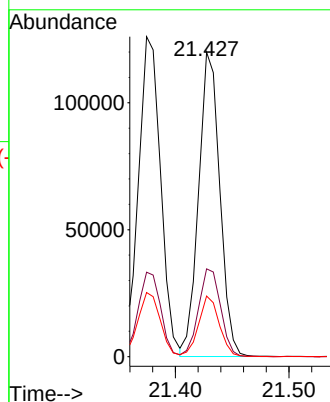
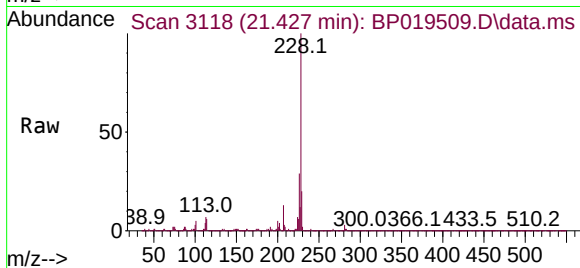
Tgt Ion:228 Resp: 155603

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.729 ng

RT: 21.327 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

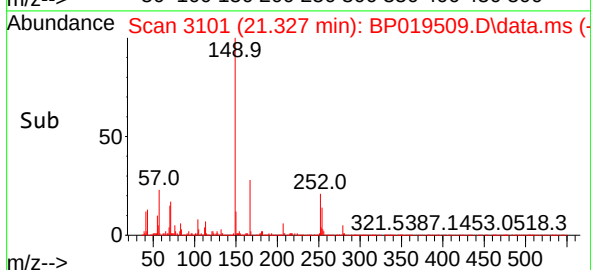
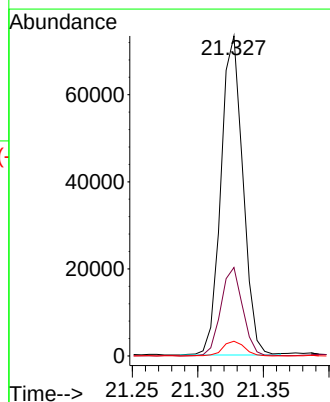
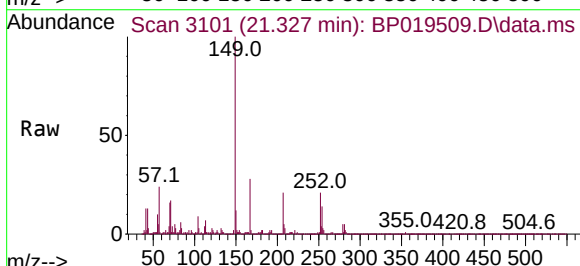
Tgt Ion:149 Resp: 85467

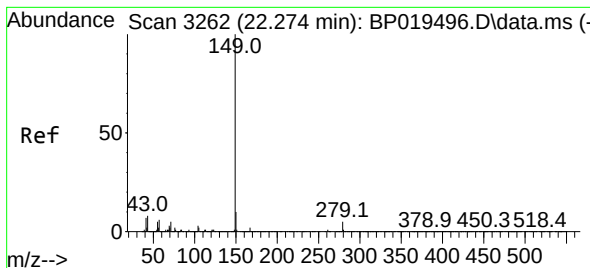
Ion Ratio Lower Upper

149 100

167 27.7 22.7 34.1

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 3.241 ng

RT: 22.275 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

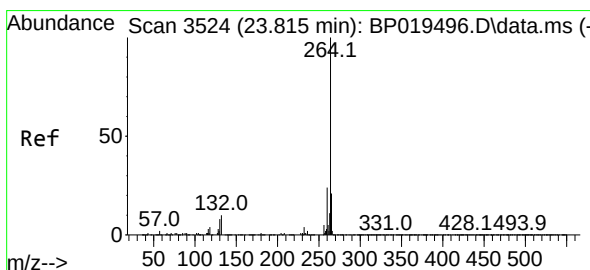
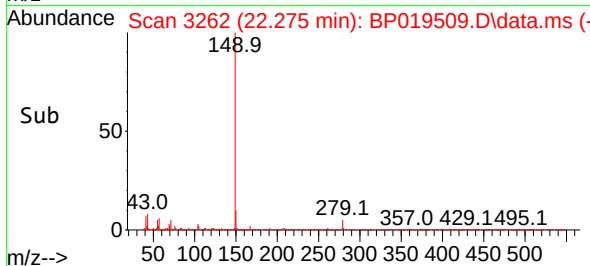
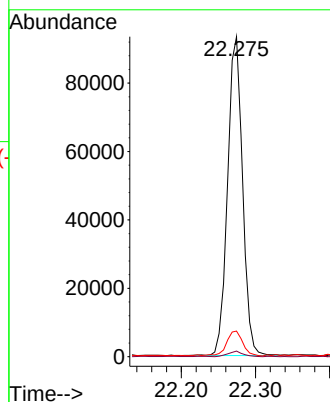
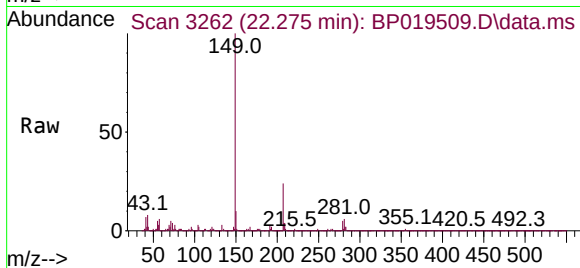
Tgt Ion:149 Resp: 130716

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.3 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

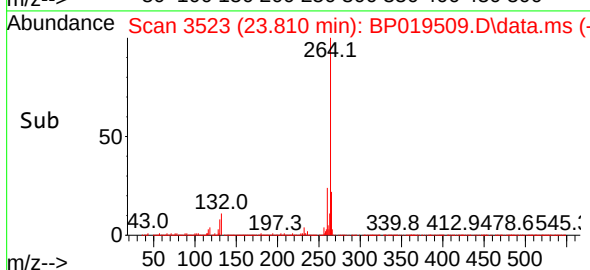
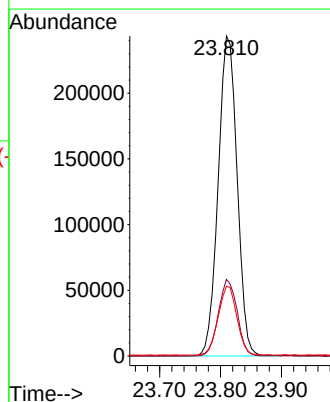
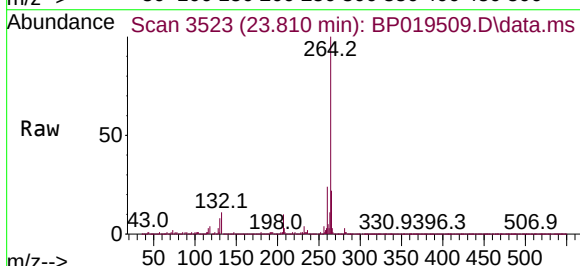
Tgt Ion:264 Resp: 525908

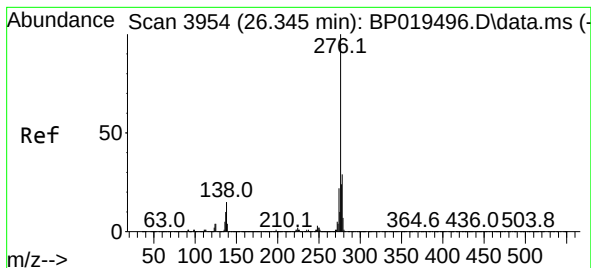
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.458 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

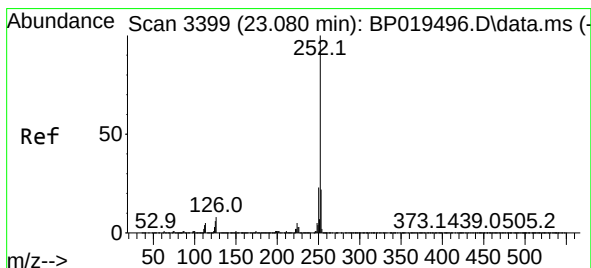
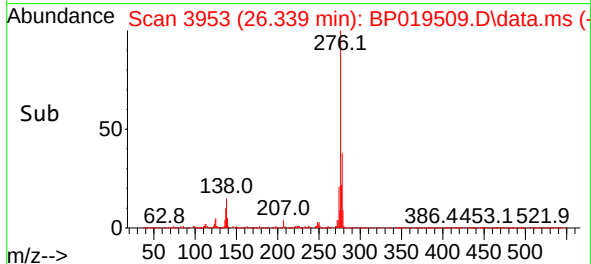
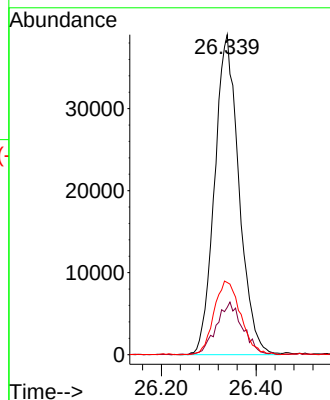
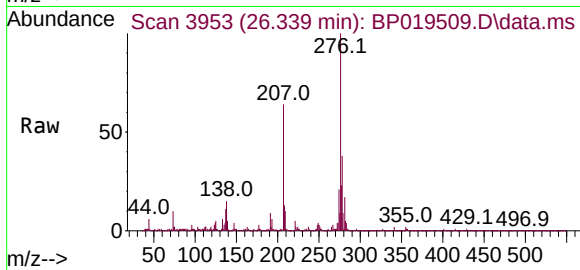
Tgt Ion:276 Resp: 139192

Ion Ratio Lower Upper

276 100

138 17.6 13.1 19.7

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.406 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

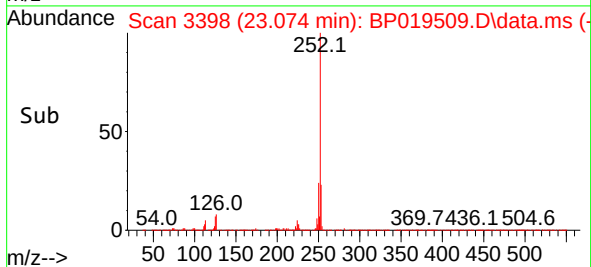
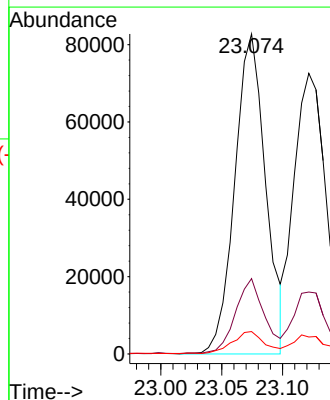
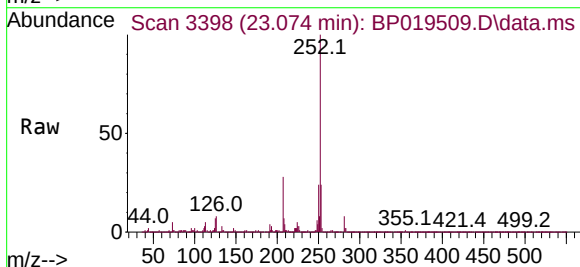
Tgt Ion:252 Resp: 146038

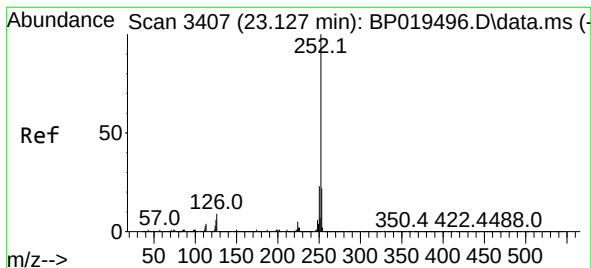
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 7.0 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 4.194 ng

RT: 23.122 min Scan# 3406

Delta R.T. -0.005 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

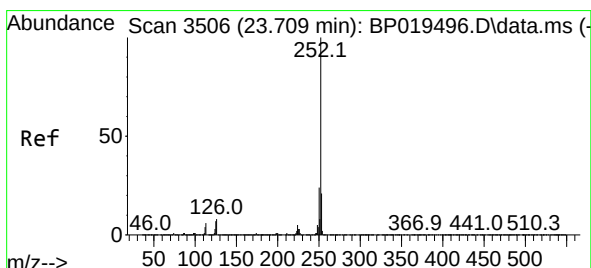
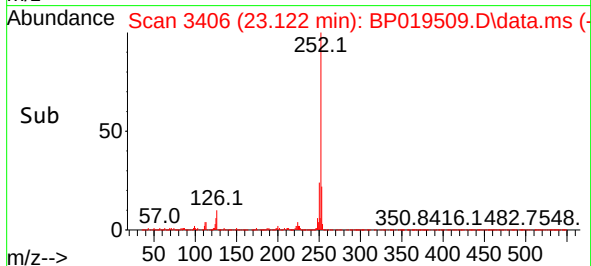
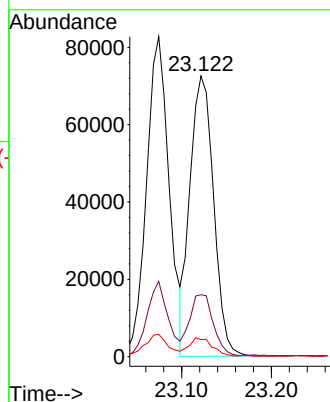
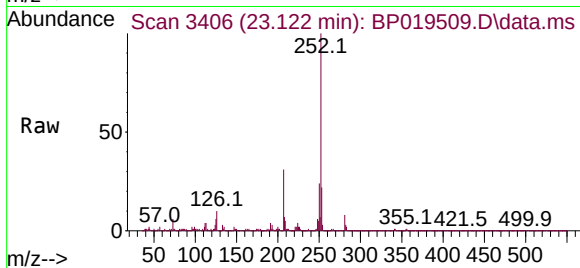
Tgt Ion:252 Resp: 132787

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 6.1 5.0 7.6



#90

Benzo(a)pyrene

Concen: 4.109 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

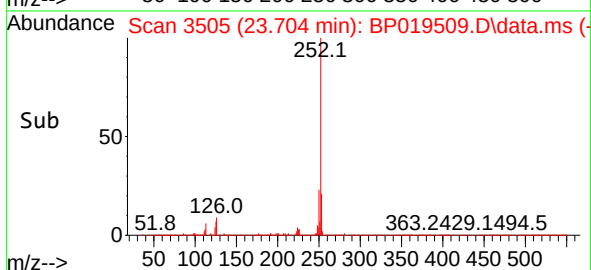
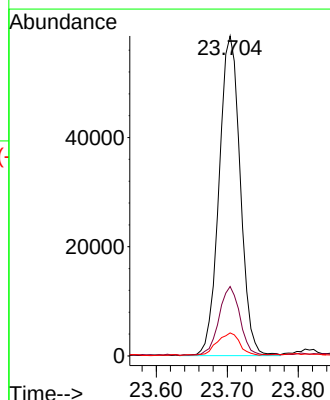
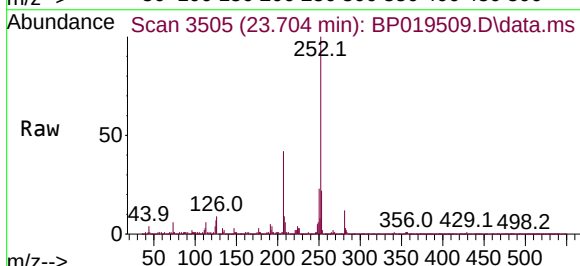
Tgt Ion:252 Resp: 121189

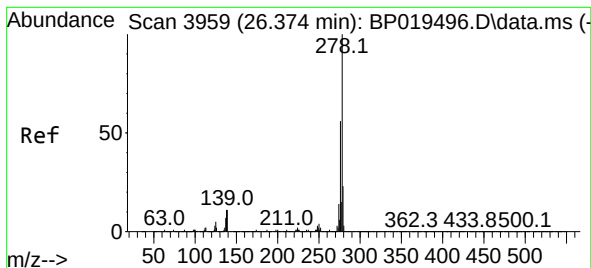
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 7.2 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.464 ng

RT: 26.363 min Scan# 3957

Delta R.T. -0.011 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

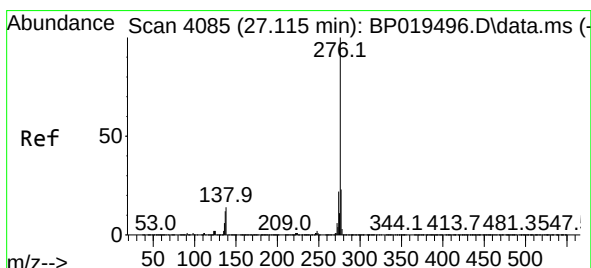
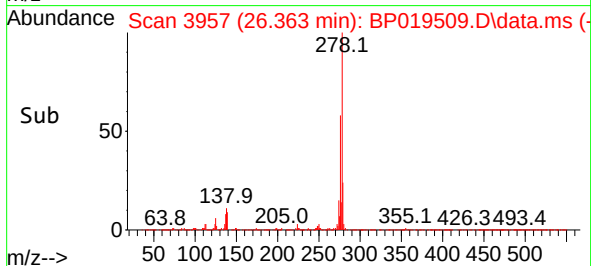
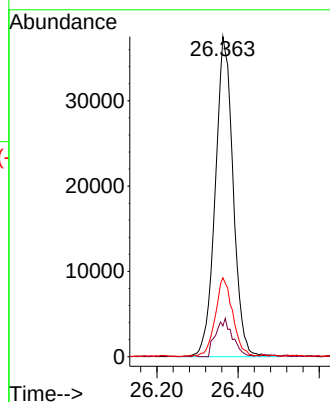
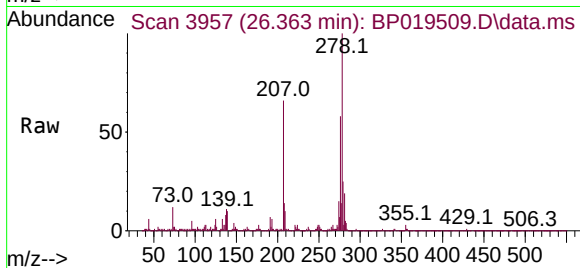
Tgt Ion:278 Resp: 114701

Ion Ratio Lower Upper

278 100

139 9.6 8.6 12.8

279 24.7 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.350 ng

RT: 27.110 min Scan# 4084

Delta R.T. -0.006 min

Lab File: BP019509.D

Acq: 01 Feb 2024 15:42

Tgt Ion:276 Resp: 112532

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 12.9 10.9 16.3

