

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019521.D
 Acq On : 02 Feb 2024 10:56
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 02 11:25:44 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	7.910	152	96685	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	403076	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	299429	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	717979	20.000	ng	0.00
76) Chrysene-d12	21.392	240	666910	20.000	ng	0.00
86) Perylene-d12	23.810	264	590541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	612277	102.078	ng	0.00
7) Phenol-d6	7.081	99	844674	104.440	ng	0.00
23) Nitrobenzene-d5	9.081	82	803368	86.364	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	509779	116.604	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1941782	80.169	ng	0.00
79) Terphenyl-d14	19.869	244	3867661	95.373	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	11336	4.905	ng	98
3) Pyridine	3.793	79	27318	4.360	ng	98
4) n-Nitrosodimethylamine	3.711	42	12826	4.702	ng	# 97
6) Aniline	7.240	93	44049	5.605	ng	98
8) 2-Chlorophenol	7.475	128	27154	4.409	ng	98
9) Benzaldehyde	7.057	77	30765	5.426	ng	95
10) Phenol	7.104	94	38111	4.728	ng	94
11) bis(2-Chloroethyl)ether	7.346	93	29431	4.693	ng	95
12) 1,3-Dichlorobenzene	7.799	146	32690	4.338	ng	95
13) 1,4-Dichlorobenzene	7.946	146	33825	4.431	ng	99
14) 1,2-Dichlorobenzene	8.257	146	32157	4.354	ng	99
15) Benzyl Alcohol	8.157	79	32391	5.012	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.440	45	30151	4.808	ng	100
17) 2-Methylphenol	8.357	107	24697	4.551	ng	98
18) Hexachloroethane	8.981	117	12503	4.225	ng	92
19) n-Nitroso-di-n-propyla...	8.728	70	27363	4.953	ng	# 97
20) 3+4-Methylphenols	8.687	107	34235	4.622	ng	92
22) Acetophenone	8.740	105	53088	4.623	ng	# 96
24) Nitrobenzene	9.122	77	42541	4.542	ng	99
25) Isophorone	9.646	82	77679	4.795	ng	99
26) 2-Nitrophenol	9.828	139	14723	4.123	ng	93
27) 2,4-Dimethylphenol	9.887	122	24653	5.399	ng	96
28) bis(2-Chloroethoxy)met...	10.140	93	42824	4.672	ng	97
29) 2,4-Dichlorophenol	10.357	162	29847	4.324	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	36360	4.296	ng	99
31) Naphthalene	10.763	128	96021	4.343	ng	98
32) Benzoic acid	9.957	122	14037	3.155	ng	91
33) 4-Chloroaniline	10.881	127	40963	5.010	ng	98
34) Hexachlorobutadiene	11.040	225	25605	4.082	ng	97
35) Caprolactam	11.651	113	10940	5.598	ng	97
36) 4-Chloro-3-methylphenol	11.992	107	35966	4.778	ng	94
37) 2-Methylnaphthalene	12.369	142	70682	4.620	ng	98
38) 1-Methylnaphthalene	12.587	142	69563	4.627	ng	95
40) 1,2,4,5-Tetrachloroben...	12.734	216	46885	4.060	ng	99
41) Hexachlorocyclopentadiene	12.704	237	22453	4.304	ng	99
43) 2,4,6-Trichlorophenol	12.981	196	27514	3.935	ng	97

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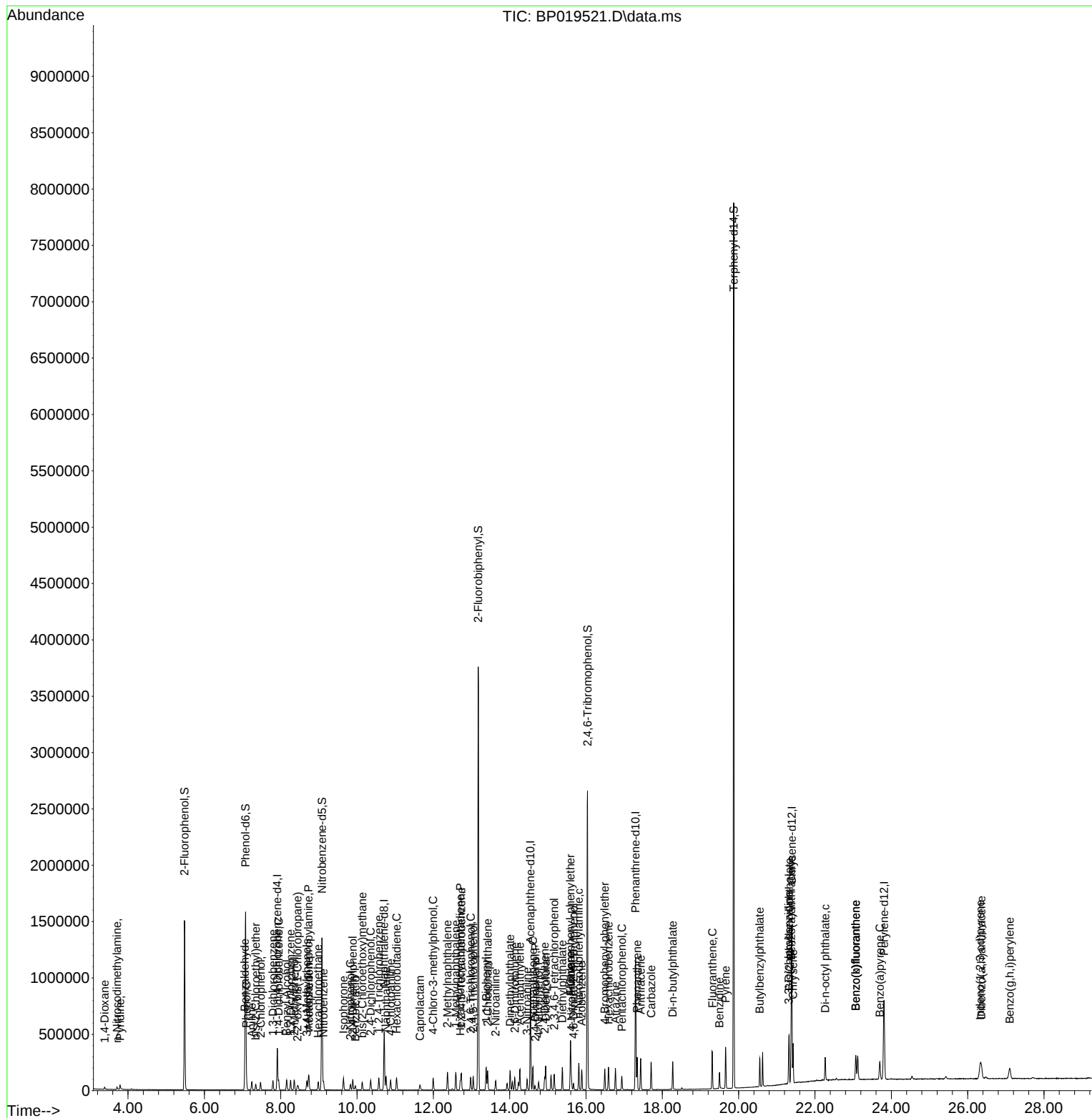
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	30818	4.014	ng	97
46) 1,1'-Biphenyl	13.387	154	101929	4.265	ng	99
47) 2-Chloronaphthalene	13.422	162	80056	4.081	ng	99
48) 2-Nitroaniline	13.634	65	22320	4.069	ng	97
49) Acenaphthylene	14.269	152	128388	4.665	ng	98
50) Dimethylphthalate	14.010	163	107153	4.675	ng	98
51) 2,6-Dinitrotoluene	14.134	165	21084	4.187	ng	97
52) Acenaphthene	14.610	154	74117	4.339	ng	98
53) 3-Nitroaniline	14.457	138	21592	4.665	ng	98
54) 2,4-Dinitrophenol	14.669	184	9204	3.520	ng	91
55) Dibenzofuran	14.945	168	128963	4.635	ng	99
56) 4-Nitrophenol	14.757	139	15951	4.205	ng	95
57) 2,4-Dinitrotoluene	14.916	165	27870	4.223	ng	97
58) Fluorene	15.592	166	104209	4.703	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.169	232	28683	4.441	ng	98
60) Diethylphthalate	15.381	149	107637	4.721	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	56578	4.543	ng	94
62) 4-Nitroaniline	15.616	138	22667	4.672	ng	97
63) Azobenzene	15.886	77	101645	4.610	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	13456	3.287	ng	93
66) n-Nitrosodiphenylamine	15.810	169	90226	4.196	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	36238	4.037	ng	98
68) Hexachlorobenzene	16.592	284	43360	4.137	ng	94
69) Atrazine	16.769	200	38865	5.447	ng	93
70) Pentachlorophenol	16.939	266	22068	3.381	ng	94
71) Phenanthrene	17.339	178	173236	4.585	ng	99
72) Anthracene	17.433	178	172794	4.584	ng	99
73) Carbazole	17.710	167	153010	4.469	ng	100
74) Di-n-butylphthalate	18.275	149	181712	4.389	ng	100
75) Fluoranthene	19.310	202	210330	4.557	ng	99
77) Benzidine	19.498	184	82061	5.886	ng	98
78) Pyrene	19.657	202	217323	4.617	ng	100
80) Butylbenzylphthalate	20.551	149	73050	4.156	ng	99
81) Benzo(a)anthracene	21.374	228	208569	4.443	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	70930	4.146	ng	99
83) Chrysene	21.427	228	188666	4.233	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	108795	4.065	ng	99
85) Di-n-octyl phthalate	22.268	149	157744	3.350	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	161715	3.577	ng	98
88) Benzo(b)fluoranthene	23.068	252	164044	4.408	ng	100
89) Benzo(k)fluoranthene	23.068	252	164044	4.614	ng	99
90) Benzo(a)pyrene	23.698	252	134983	4.076	ng	98
91) Dibenzo(a,h)anthracene	26.356	278	136812	3.680	ng	99
92) Benzo(g,h,i)perylene	27.103	276	130017	3.447	ng	100

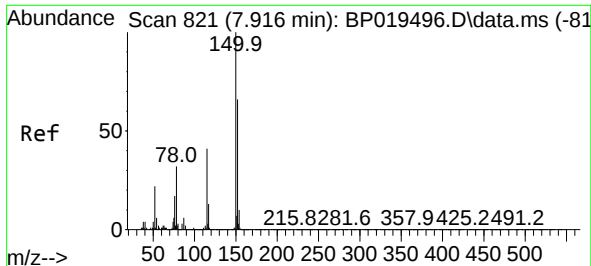
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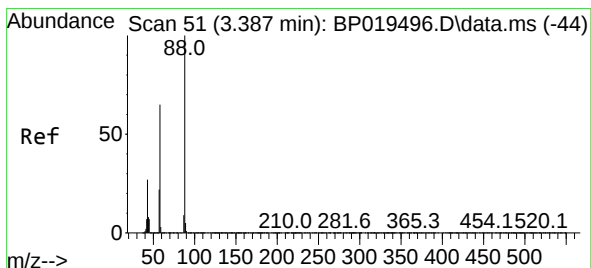
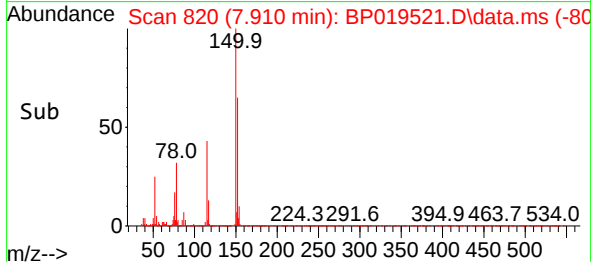
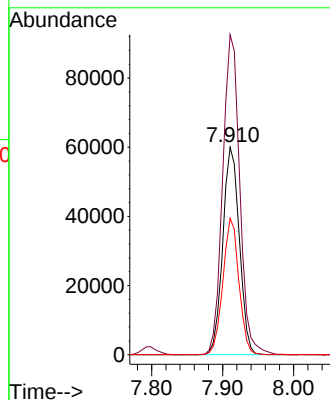
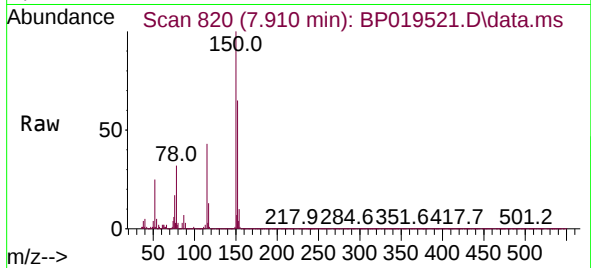




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019521.D
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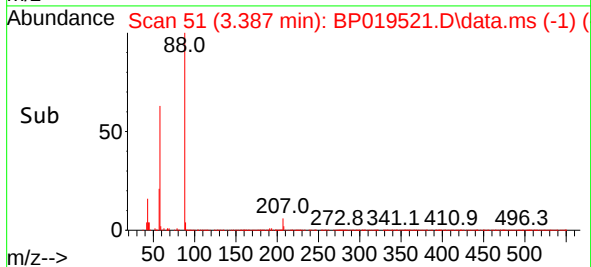
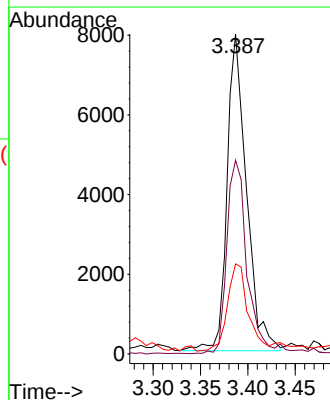
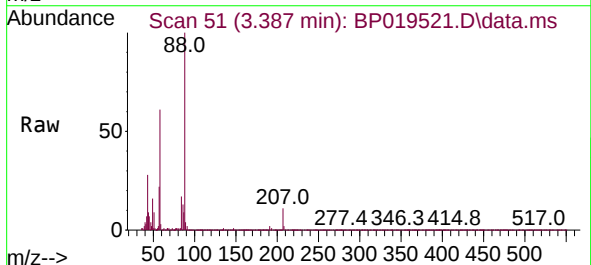
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BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

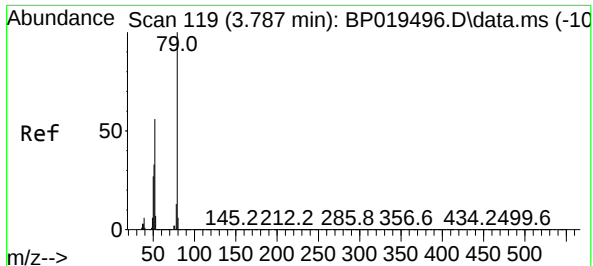
Tgt Ion:152 Resp: 96685
Ion Ratio Lower Upper
152 100
150 154.3 121.8 182.8
115 65.7 49.9 74.9



#2
1,4-Dioxane
Concen: 4.905 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 88 Resp: 11336
Ion Ratio Lower Upper
88 100
58 63.9 52.6 78.8
43 28.5 21.9 32.9





#3

Pyridine

Concen: 4.360 ng

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

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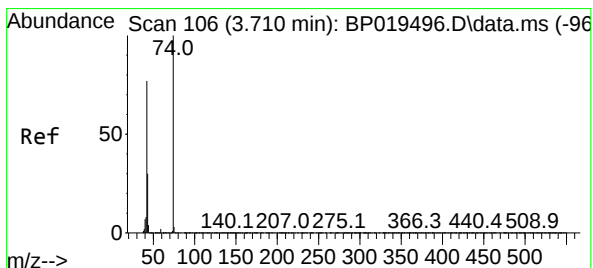
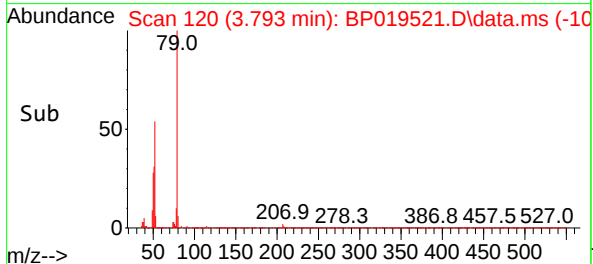
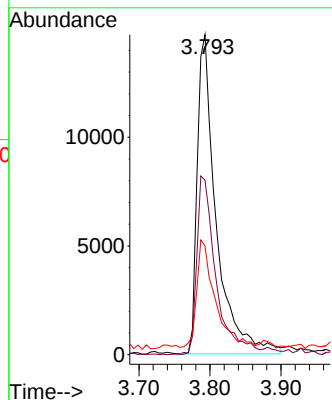
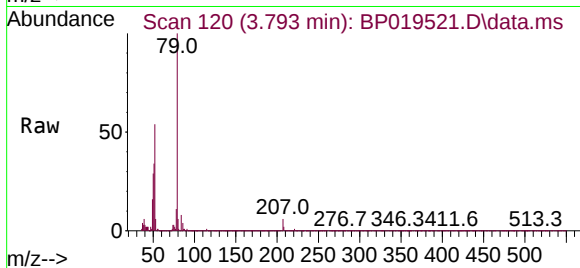
Tgt Ion: 79 Resp: 27318

Ion Ratio Lower Upper

79 100

52 54.5 45.0 67.6

51 34.0 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 4.702 ng

RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

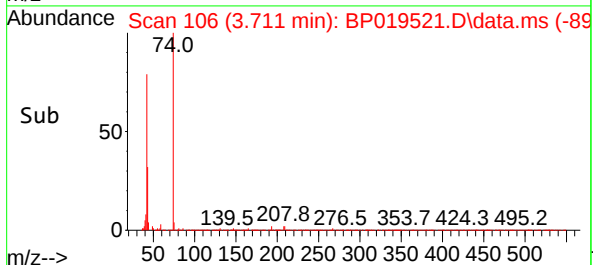
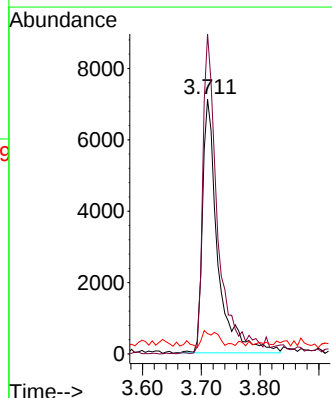
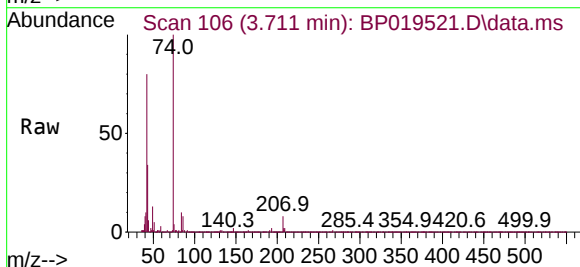
Tgt Ion: 42 Resp: 12826

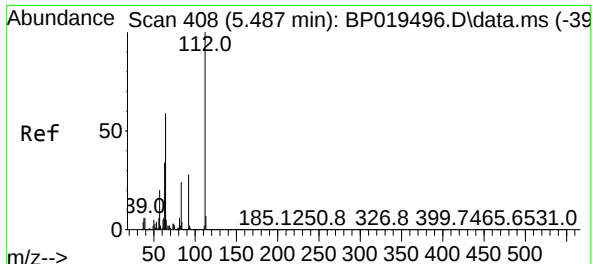
Ion Ratio Lower Upper

42 100

74 125.6 103.4 155.2

44 8.0 4.8 7.2#

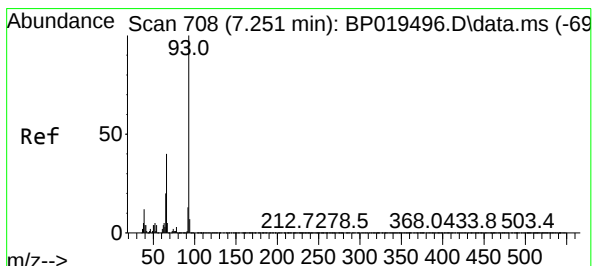
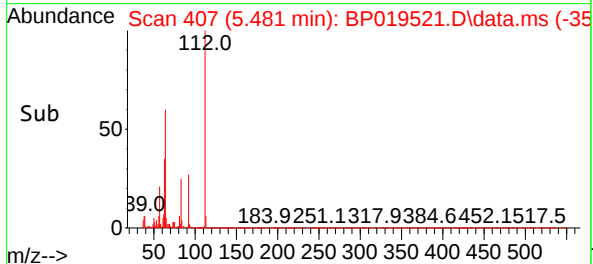
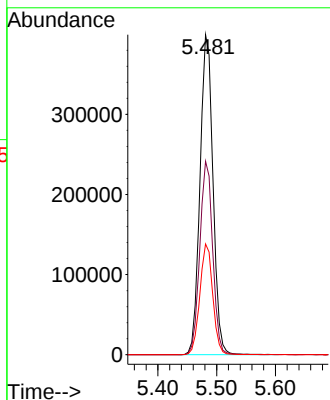
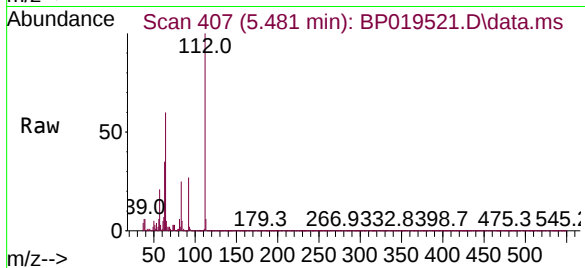




#5
2-Fluorophenol
Concen: 102.078 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019521.D
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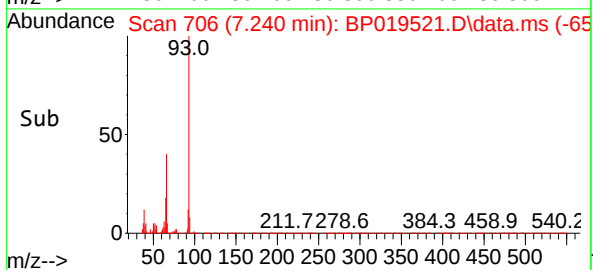
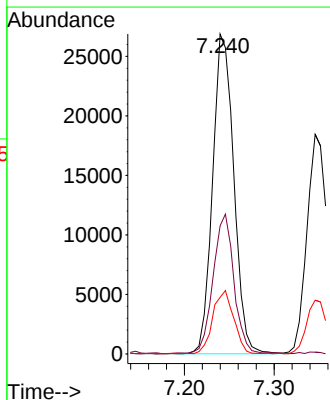
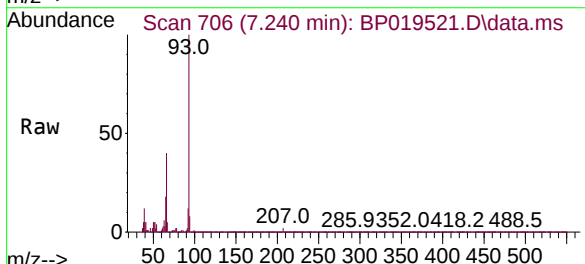
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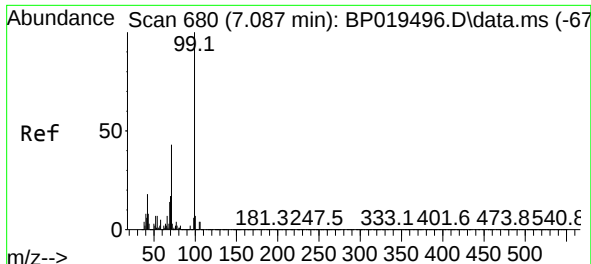
Tgt Ion:112 Resp: 612277
Ion Ratio Lower Upper
112 100
64 60.4 47.4 71.0
63 34.6 27.0 40.6



#6
Aniline
Concen: 5.605 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.012 min
Lab File: BP019521.D
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Tgt Ion: 93 Resp: 44049
Ion Ratio Lower Upper
93 100
66 40.1 32.3 48.5
65 17.7 16.4 24.6

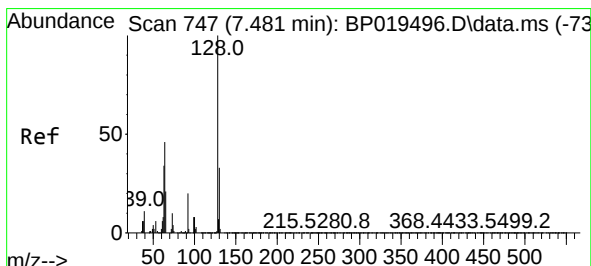
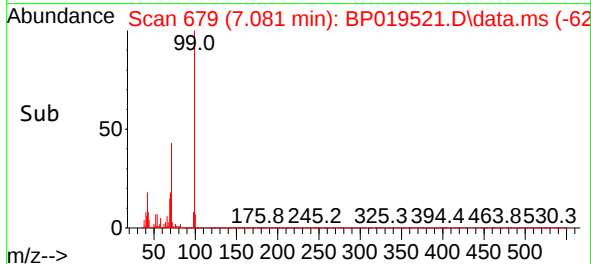
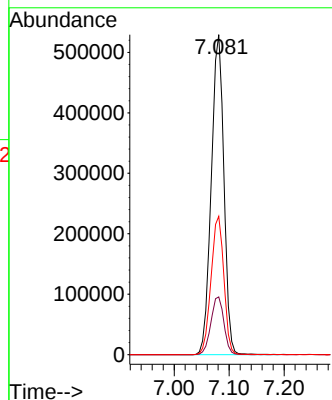
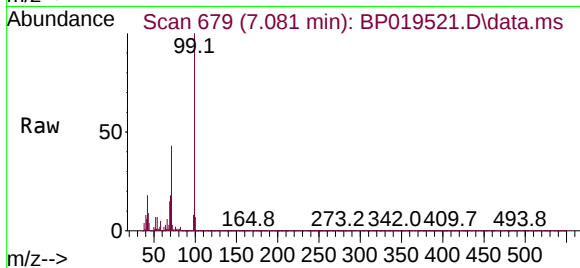




#7
Phenol-d6
Concen: 104.440 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
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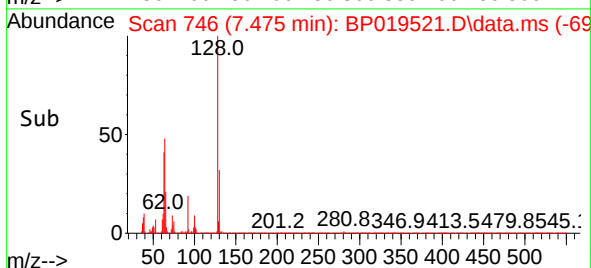
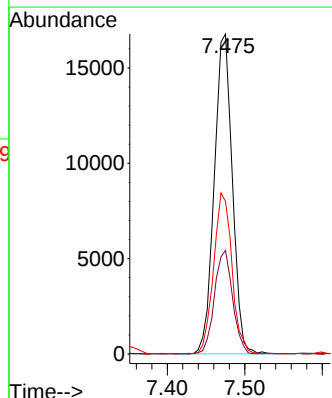
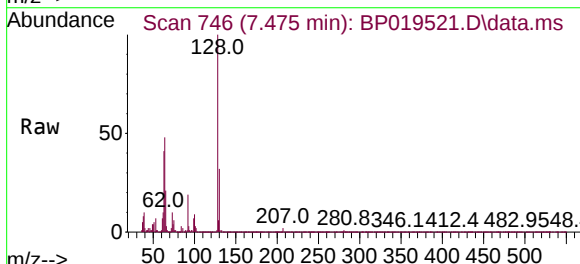
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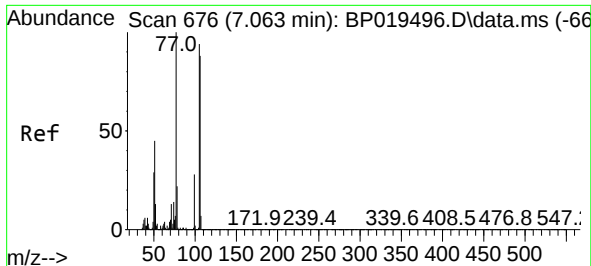
Tgt Ion: 99 Resp: 844674
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 43.3 34.8 52.2



#8
2-Chlorophenol
Concen: 4.409 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019521.D
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Tgt Ion:128 Resp: 27154
Ion Ratio Lower Upper
128 100
130 32.4 13.3 53.3
64 47.7 29.7 69.7

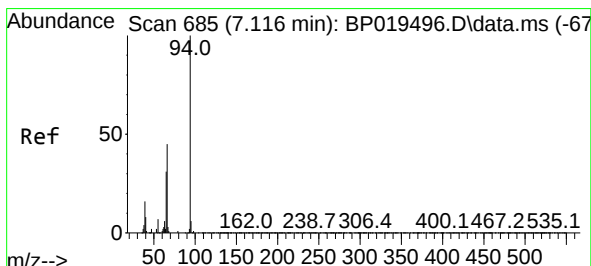
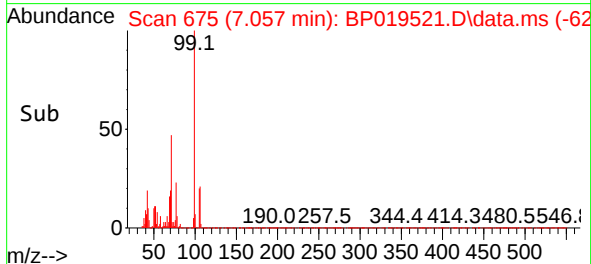
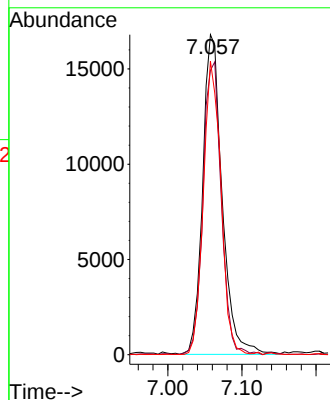
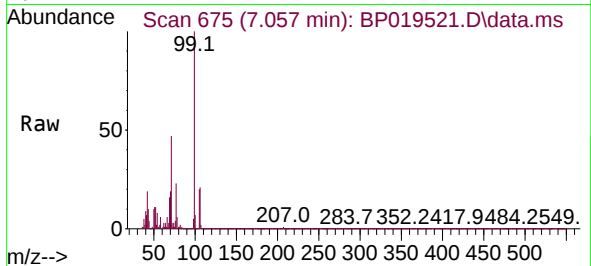




#9
Benzaldehyde
Concen: 5.426 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
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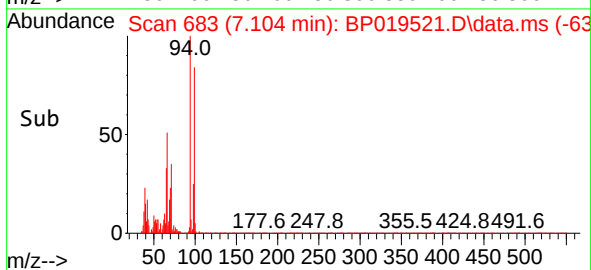
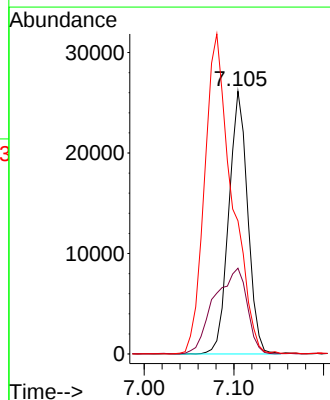
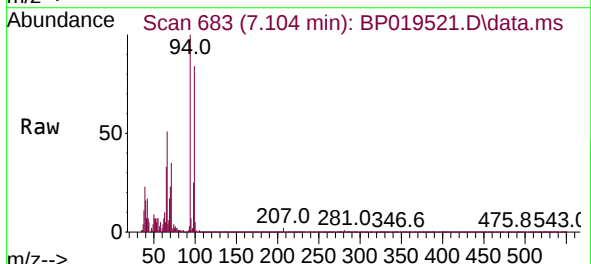
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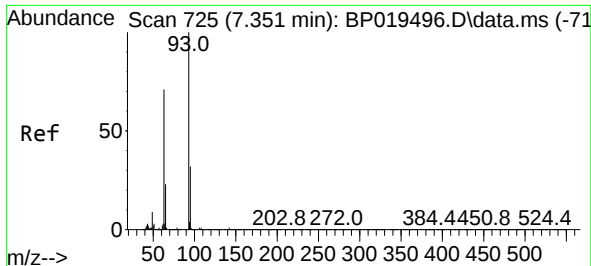
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Ion Ratio Lower Upper
77 100
105 88.9 74.0 114.0
106 91.7 67.8 107.8



#10
Phenol
Concen: 4.728 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 94 Resp: 38111
Ion Ratio Lower Upper
94 100
65 32.6 11.3 51.3
66 50.7 25.1 65.1

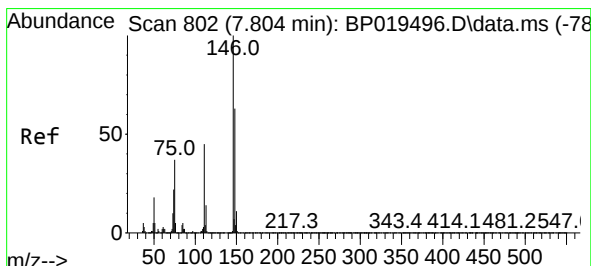
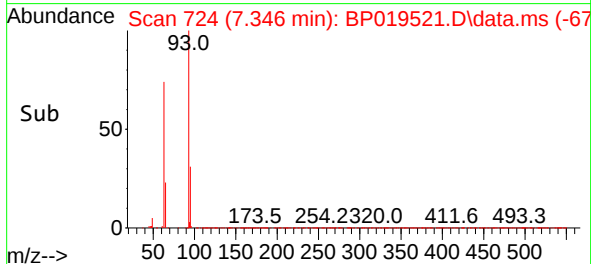
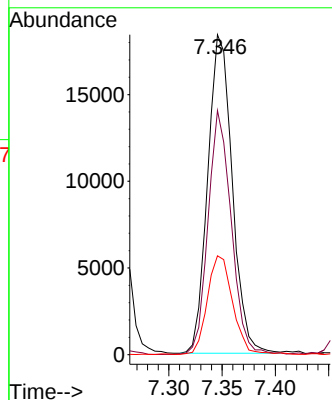
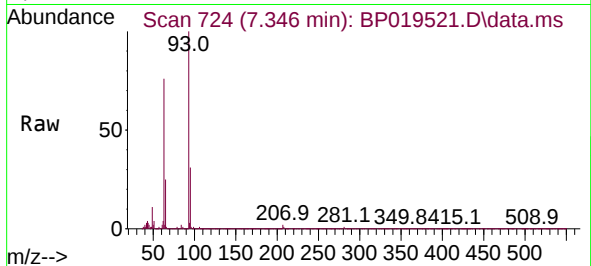




#11
bis(2-Chloroethyl)ether
Concen: 4.693 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

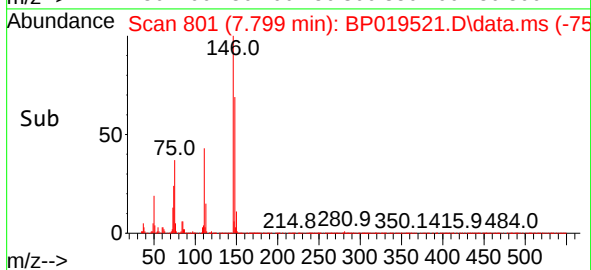
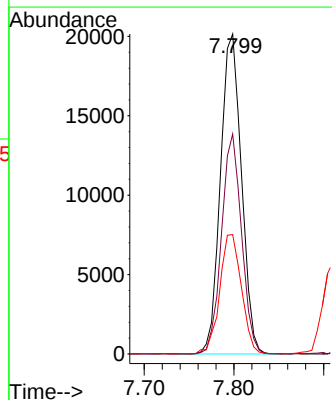
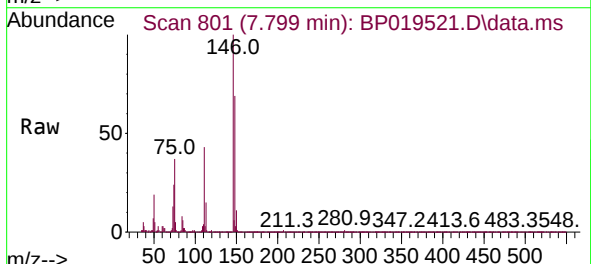
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

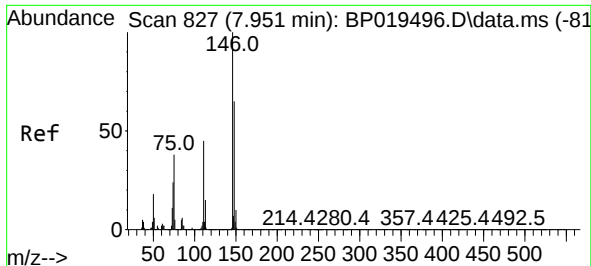
Tgt Ion: 93	Resp: 29431
Ion Ratio	Lower Upper
93 100	
63 76.3	51.2 91.2
95 30.9	11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.338 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:146	Resp:	32690	
Ion	Ratio	Lower	Upper
146	100		
148	68.7	50.4	75.6
75	37.3	29.9	44.9

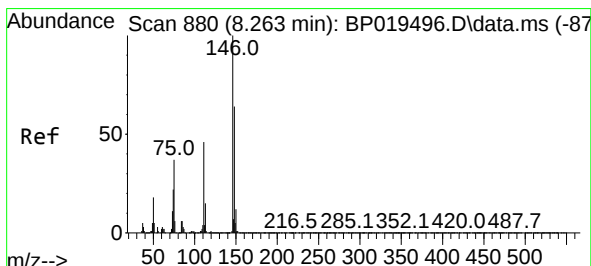
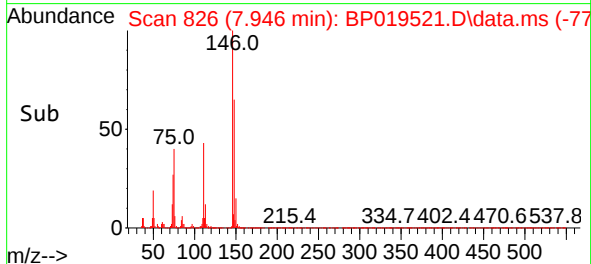
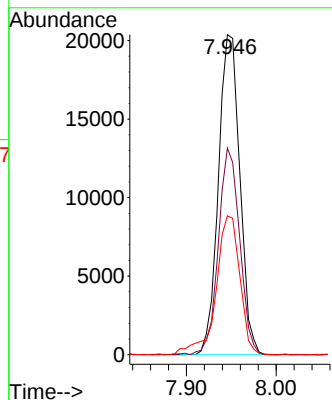
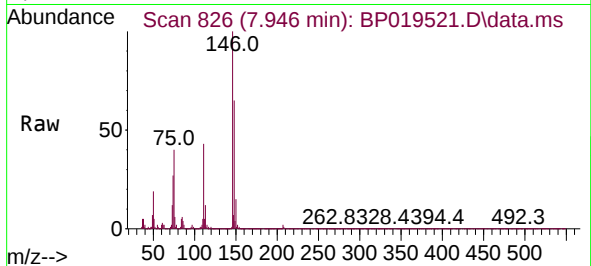




#13
1,4-Dichlorobenzene
Concen: 4.431 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

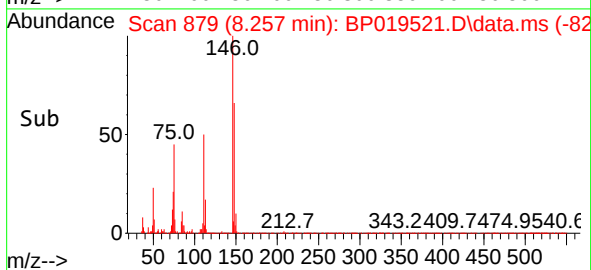
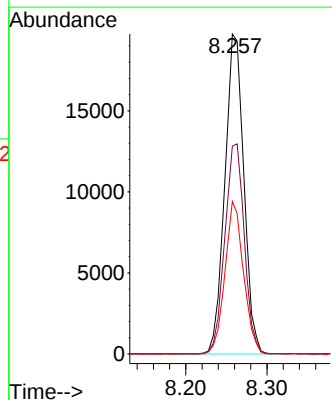
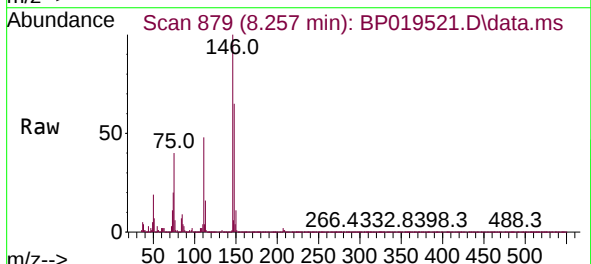
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

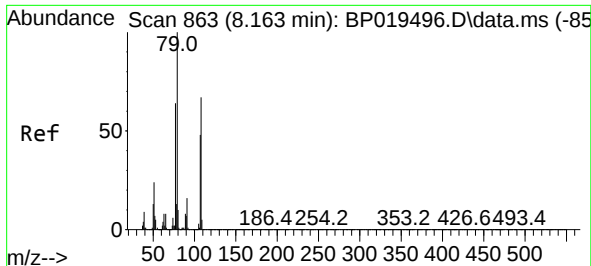
Tgt Ion:146 Resp: 33825
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 43.4 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 4.354 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:146 Resp: 32157
Ion Ratio Lower Upper
146 100
148 65.0 51.4 77.0
111 47.7 37.0 55.6

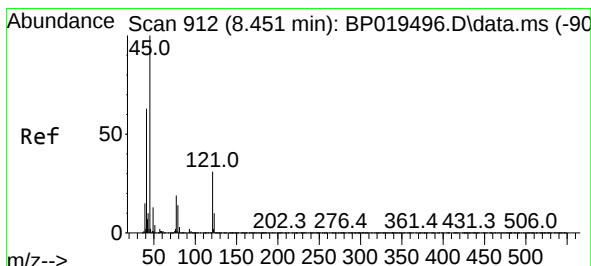
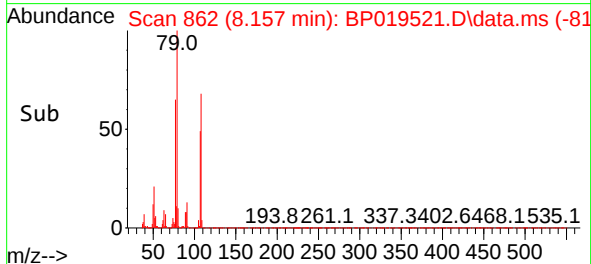
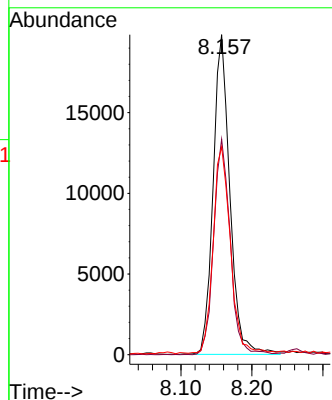
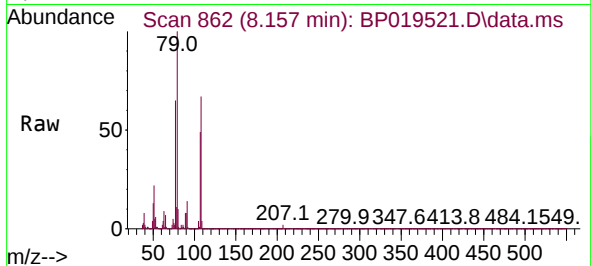




#15
Benzyl Alcohol
Concen: 5.012 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

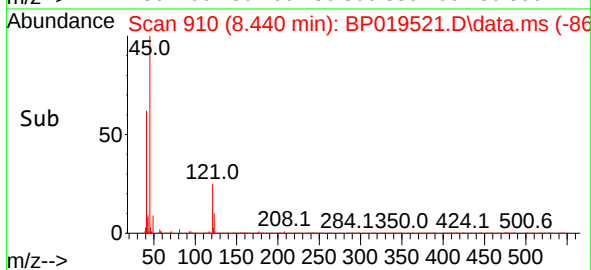
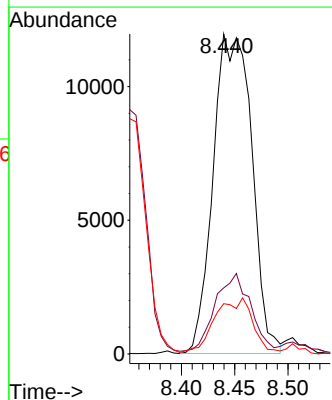
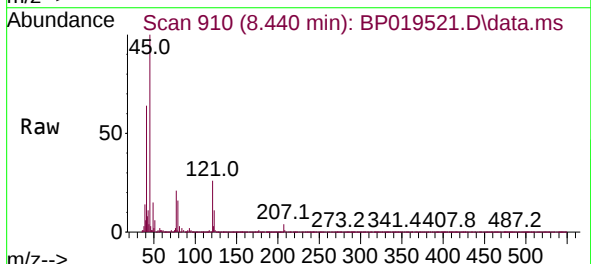
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

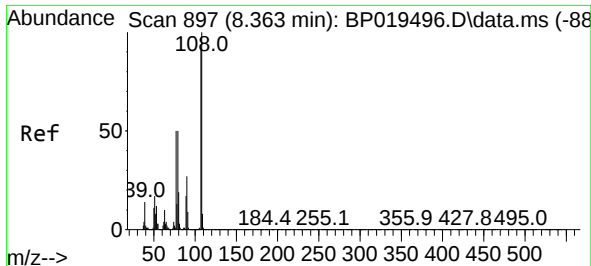
Tgt Ion: 79 Resp: 32391
Ion Ratio Lower Upper
79 100
108 67.3 53.8 80.6
77 65.0 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.808 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 45 Resp: 30151
Ion Ratio Lower Upper
45 100
77 20.7 0.8 40.8
79 15.7 0.0 35.5

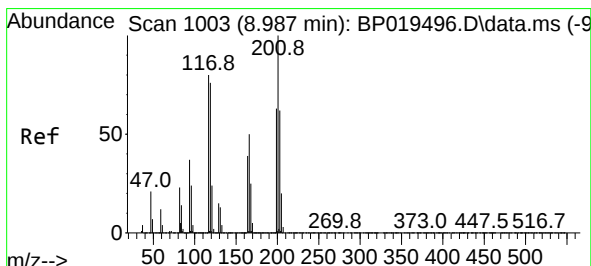
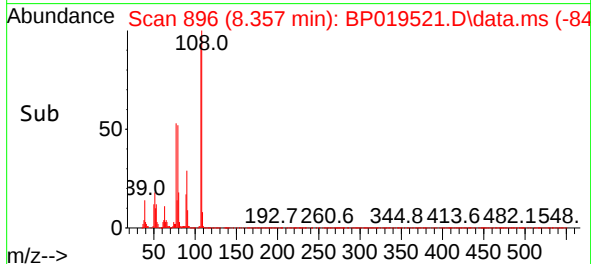
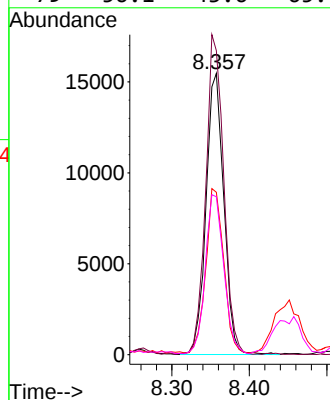
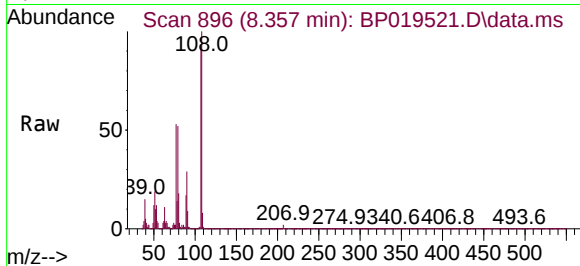




#17
2-Methylphenol
Concen: 4.551 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

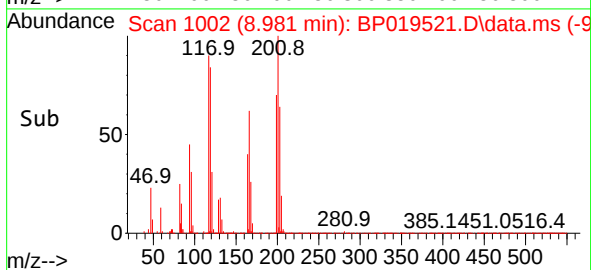
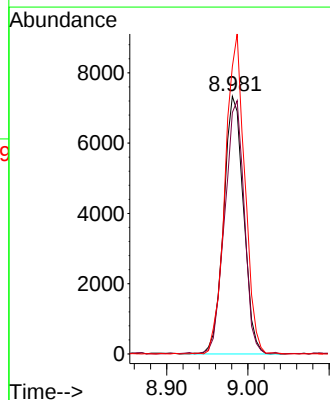
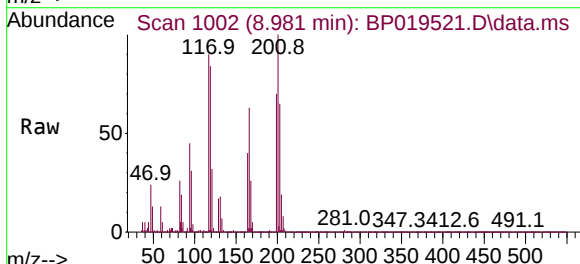
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

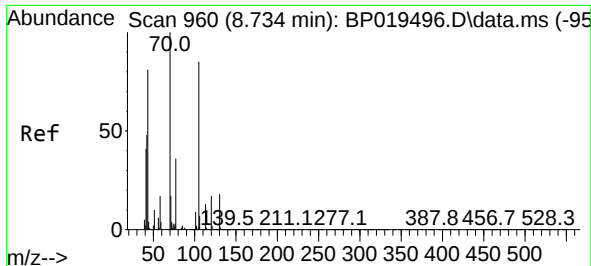
Tgt Ion:	107	Resp:	24697
Ion	Ratio	Lower	Upper
107	100		
108	108.1	87.0	130.6
77	57.7	43.5	65.3
79	56.1	43.6	65.4



#18
Hexachloroethane
Concen: 4.225 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:	117	Resp:	12503
Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.5	113.3
201	110.4	99.4	149.2

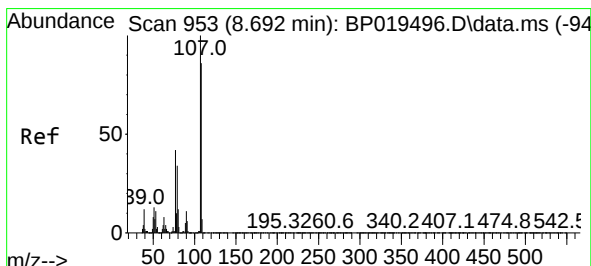
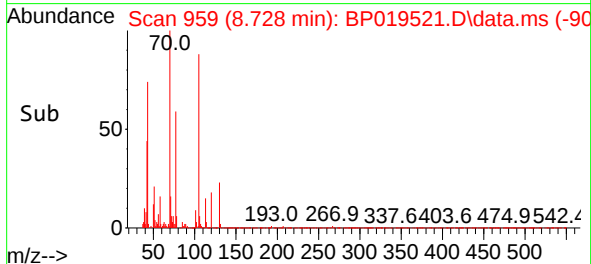
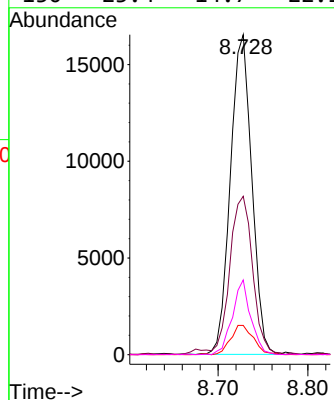
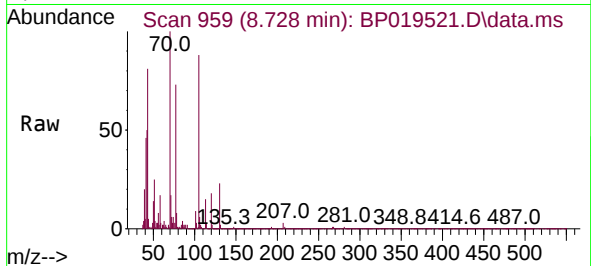




#19
n-Nitroso-di-n-propylamine
Concen: 4.953 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

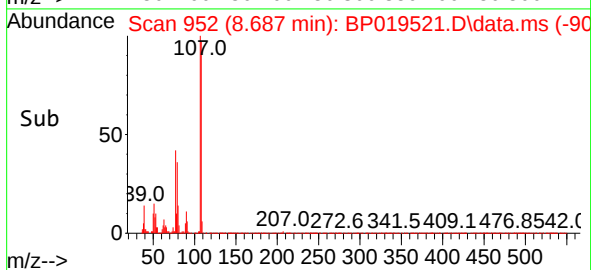
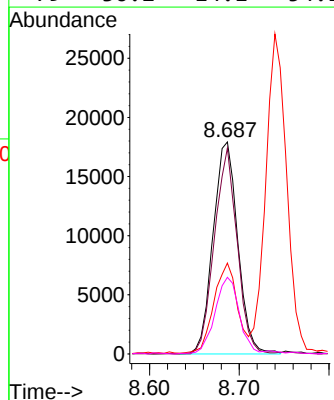
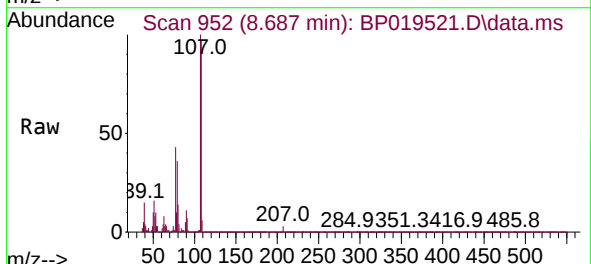
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

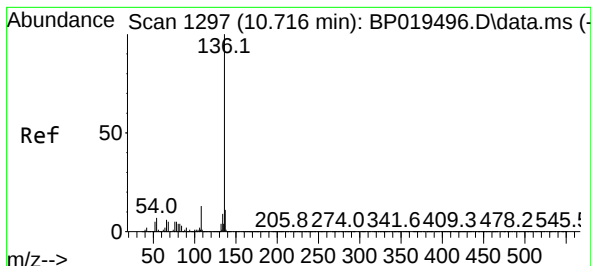
Tgt Ion:	70	Resp:	27363
Ion	Ratio	Lower	Upper
70	100		
42	49.5	39.2	58.8
101	9.1	7.3	10.9
130	23.4	14.7	22.1



#20
3+4-Methylphenols
Concen: 4.622 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:	107	Resp:	34235
Ion	Ratio	Lower	Upper
107	100		
108	97.2	65.5	105.5
77	42.9	21.8	61.8
79	36.2	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: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:136 Resp: 403076

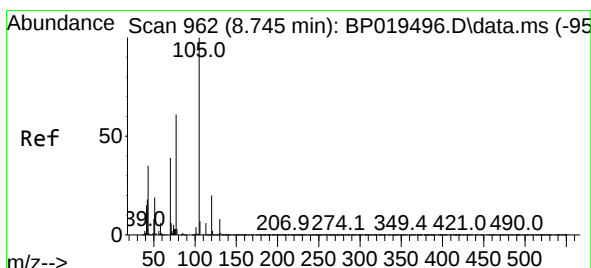
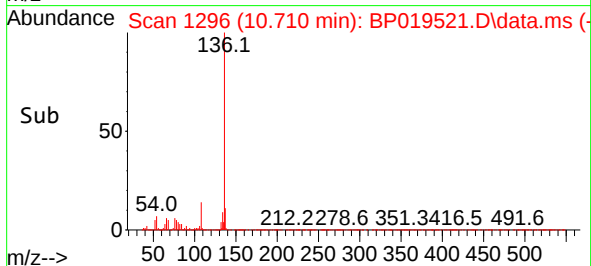
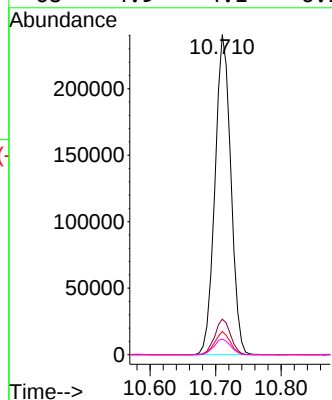
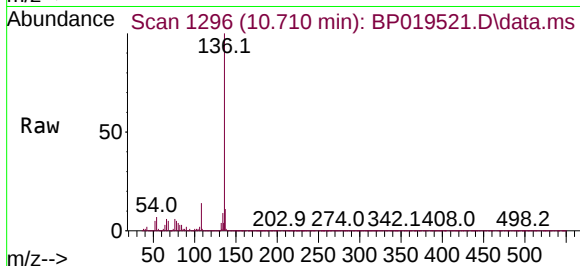
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.2 5.3 7.9

68 4.9 4.1 6.1



#22

Acetophenone

Concen: 4.623 ng

RT: 8.740 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:105 Resp: 53088

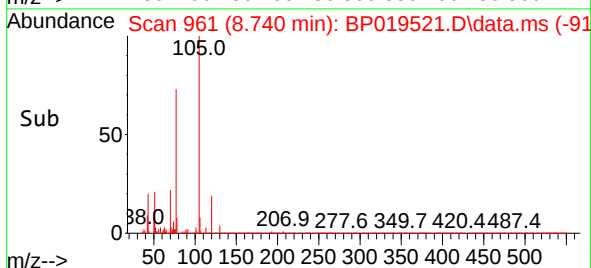
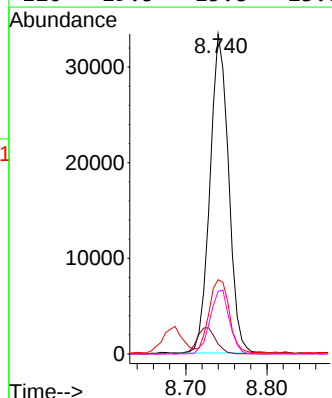
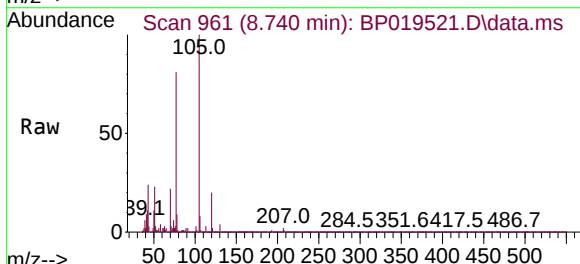
Ion Ratio Lower Upper

105 100

71 3.1 4.9 7.3#

51 23.2 20.7 31.1

120 19.5 15.8 23.8

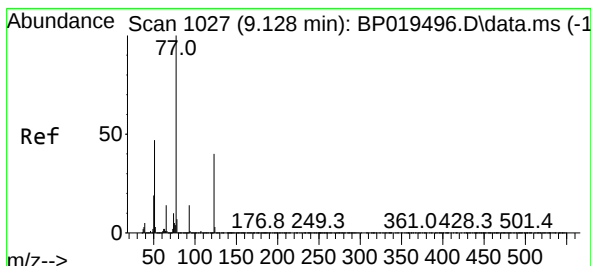
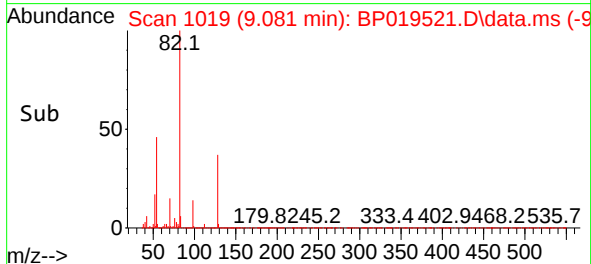
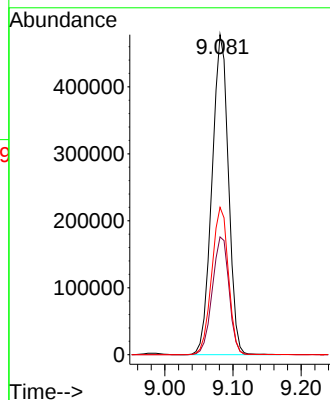
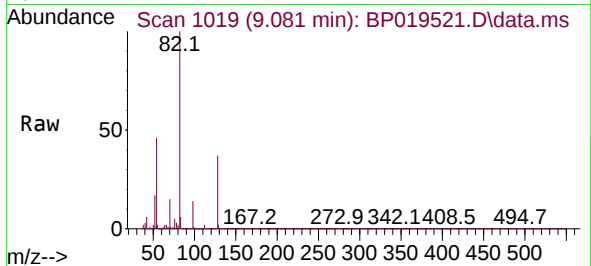




#23
Nitrobenzene-d5
Concen: 86.364 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

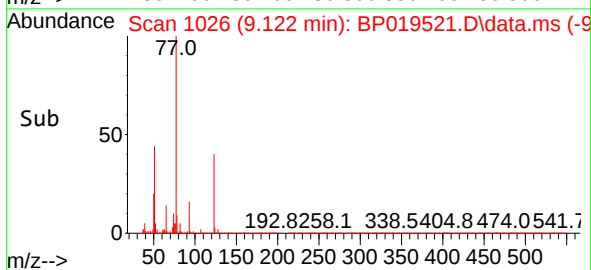
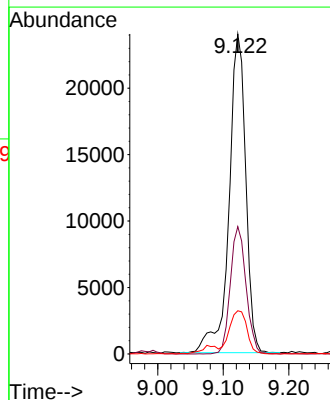
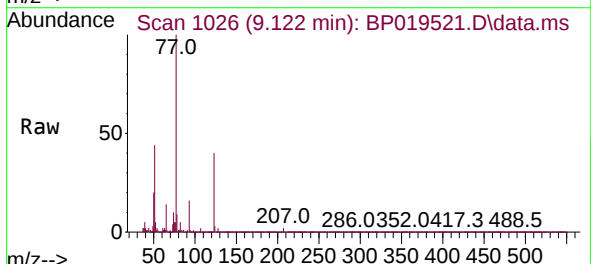
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

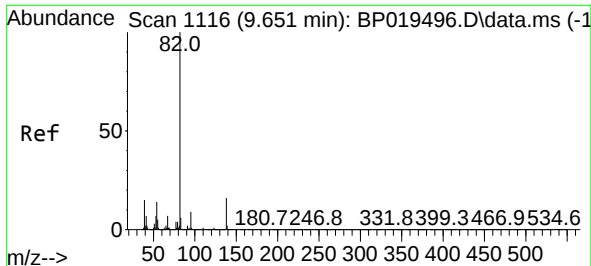
Tgt Ion: 82 Resp: 803368
Ion Ratio Lower Upper
82 100
128 36.8 29.7 44.5
54 46.1 36.8 55.2



#24
Nitrobenzene
Concen: 4.542 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 77 Resp: 42541
Ion Ratio Lower Upper
77 100
123 39.8 32.3 48.5
65 13.5 11.6 17.4

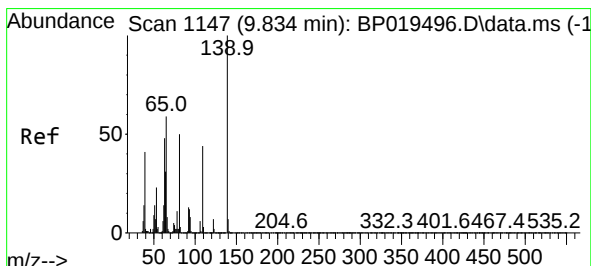
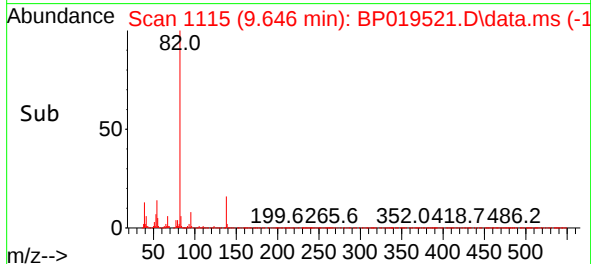
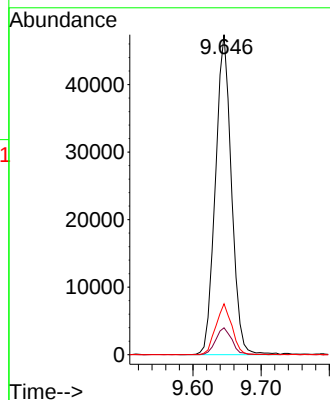
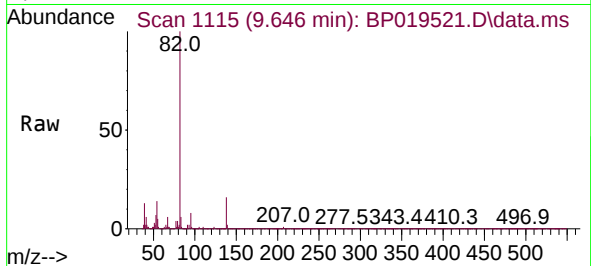




#25
Isophorone
Concen: 4.795 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

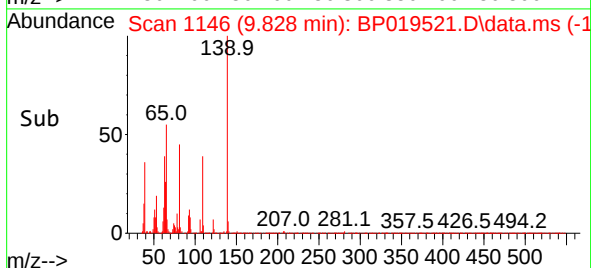
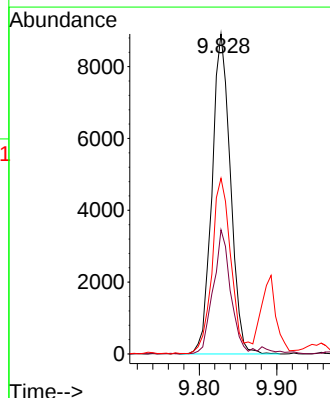
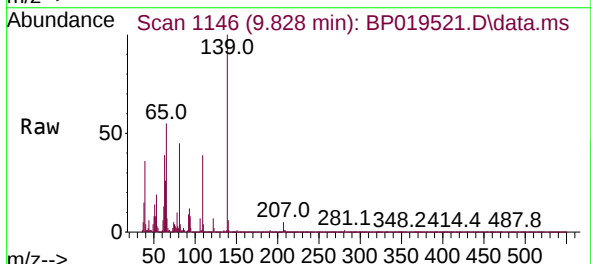
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 82 Resp: 77679
Ion Ratio Lower Upper
82 100
95 8.4 7.0 10.4
138 15.9 13.1 19.7



#26
2-Nitrophenol
Concen: 4.123 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 139 Resp: 14723
Ion Ratio Lower Upper
139 100
109 38.8 34.9 52.3
65 54.9 47.5 71.3

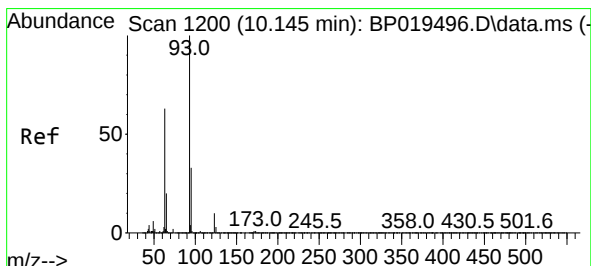
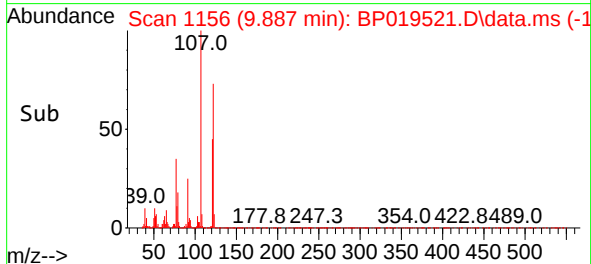
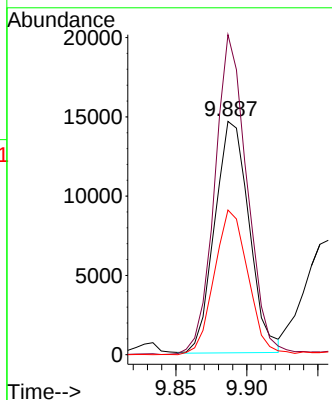
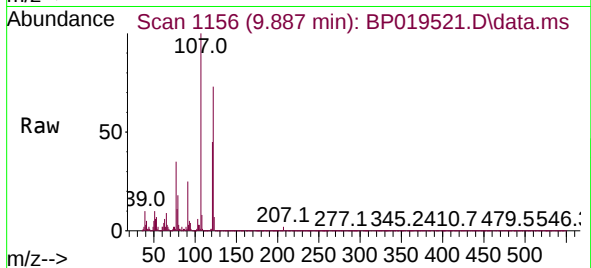




#27
2,4-Dimethylphenol
Concen: 5.399 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

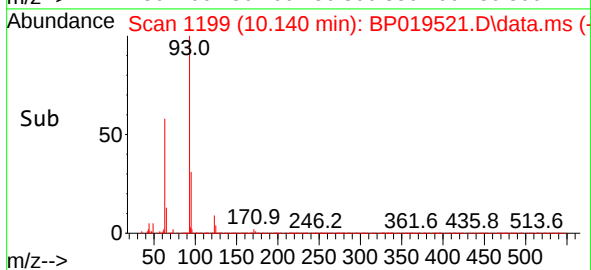
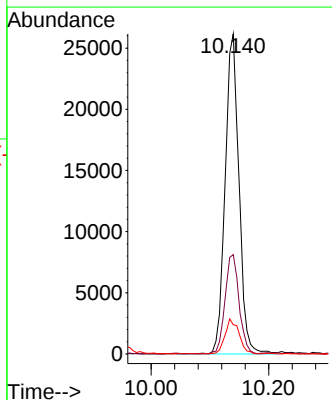
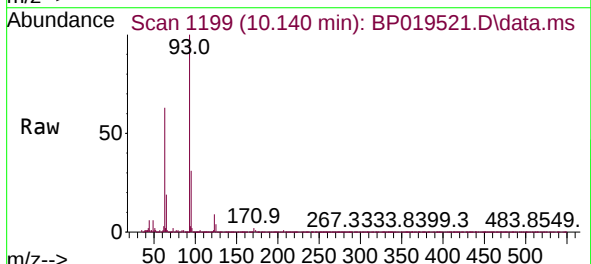
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:122 Resp: 24653
Ion Ratio Lower Upper
122 100
107 137.1 105.9 158.9
121 62.0 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 4.672 ng
RT: 10.140 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 93 Resp: 42824
Ion Ratio Lower Upper
93 100
95 31.1 26.2 39.4
123 9.1 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 4.324 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

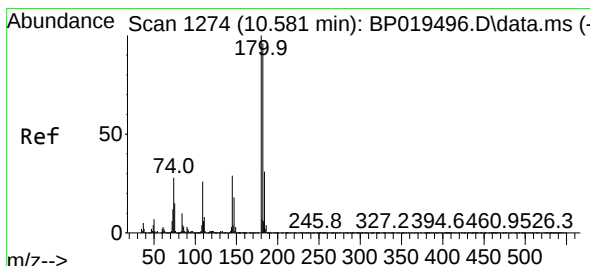
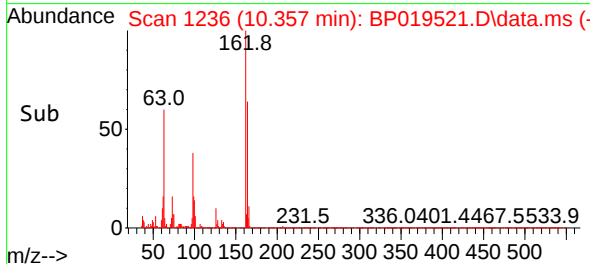
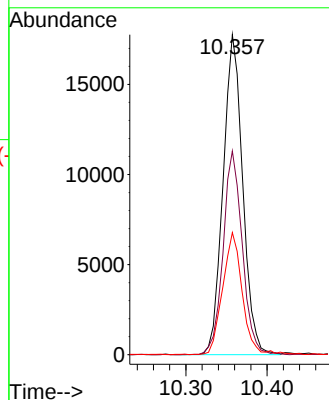
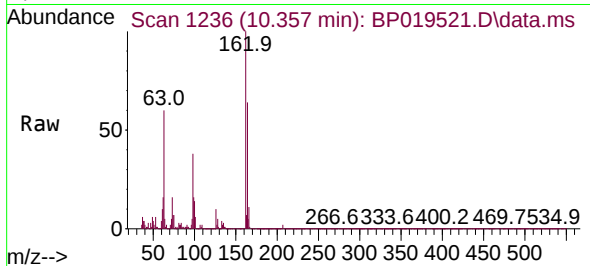
Tgt Ion:162 Resp: 29847

Ion Ratio Lower Upper

162 100

164 63.7 46.0 86.0

98 38.2 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 4.296 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

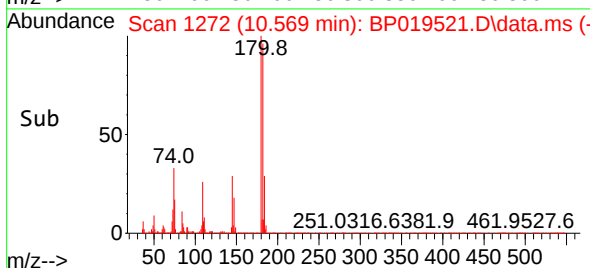
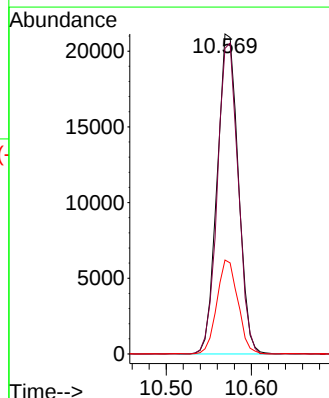
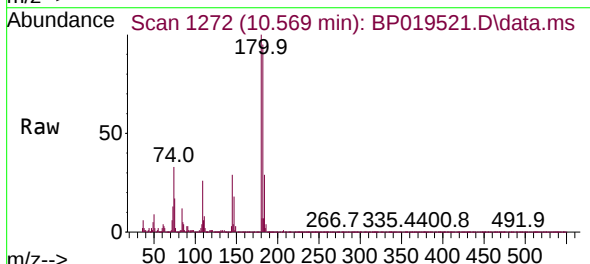
Tgt Ion:180 Resp: 36360

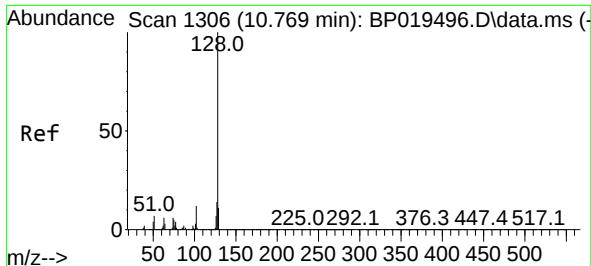
Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 29.3 23.2 34.8

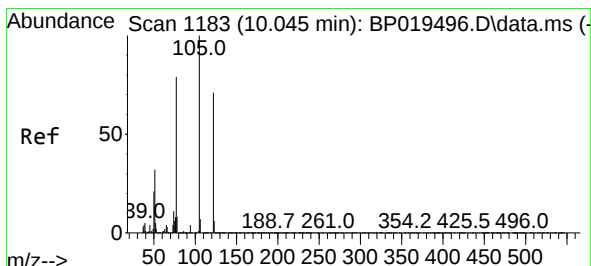
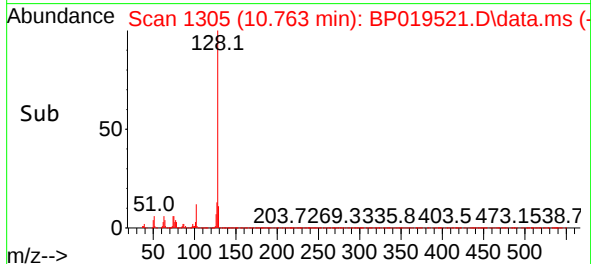
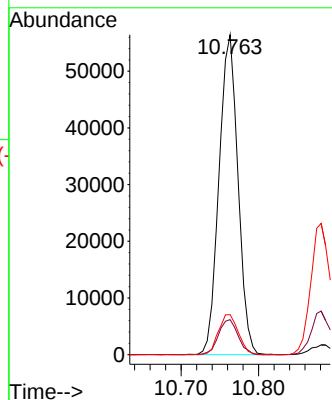
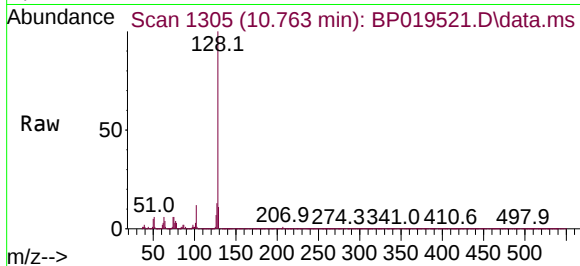




#31
Naphthalene
Concen: 4.343 ng
RT: 10.763 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

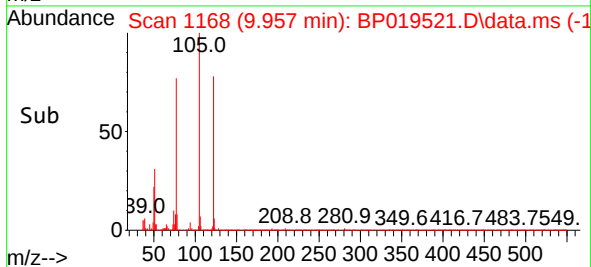
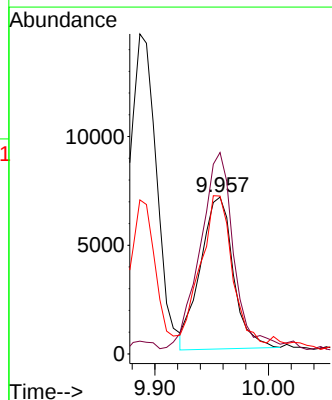
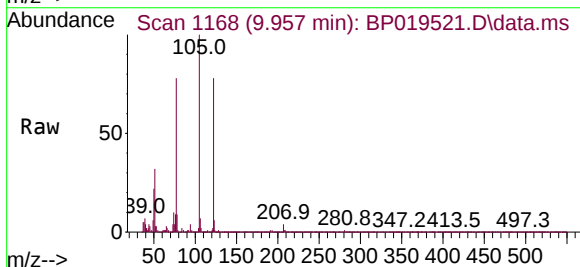
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

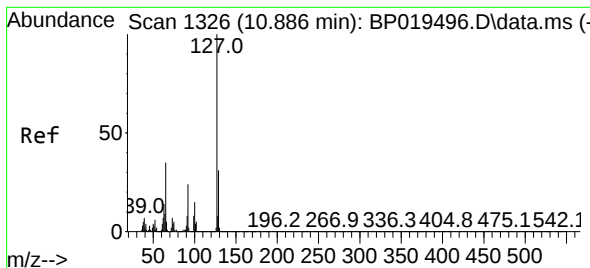
Tgt Ion:128 Resp: 96021
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 3.155 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:122 Resp: 14037
Ion Ratio Lower Upper
122 100
105 128.5 118.8 158.8
77 100.8 91.7 131.7





#33

4-Chloroaniline

Concen: 5.010 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:127 Resp: 40963

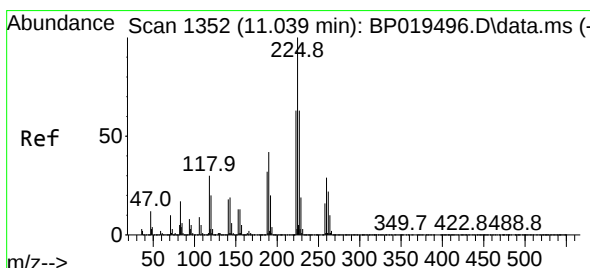
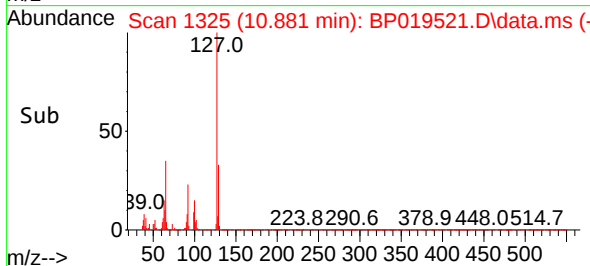
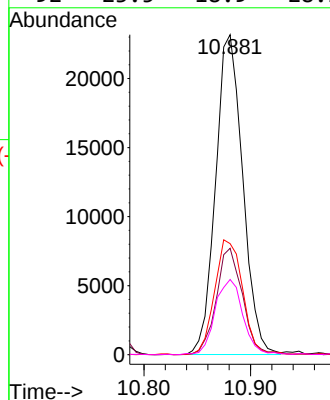
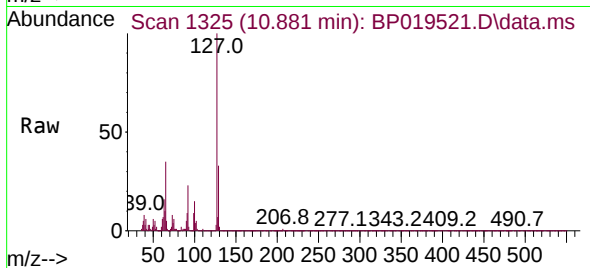
Ion Ratio Lower Upper

127 100

129 33.3 24.6 36.8

65 34.7 28.2 42.4

92 23.5 18.9 28.3



#34

Hexachlorobutadiene

Concen: 4.082 ng

RT: 11.040 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

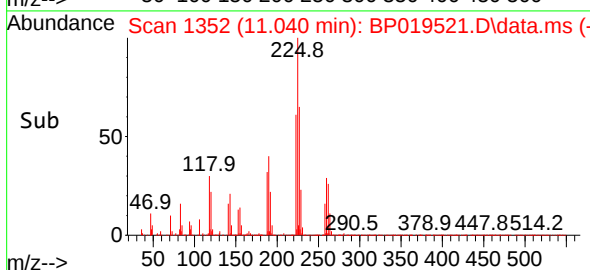
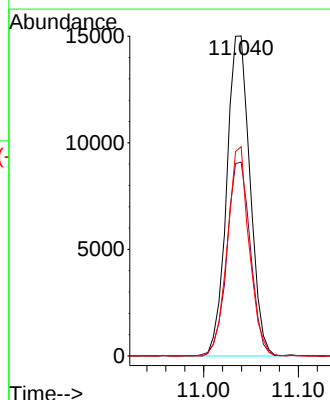
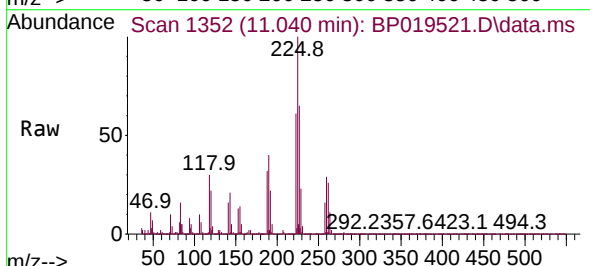
Tgt Ion:225 Resp: 25605

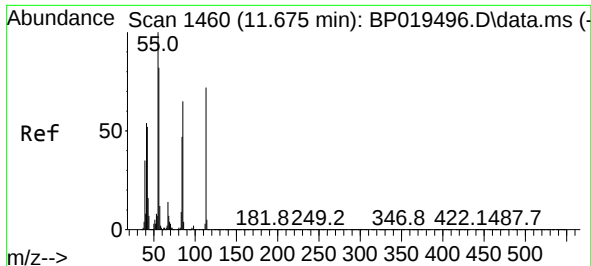
Ion Ratio Lower Upper

225 100

223 60.6 50.5 75.7

227 65.4 50.2 75.2

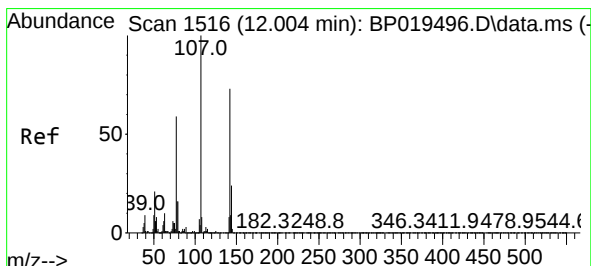
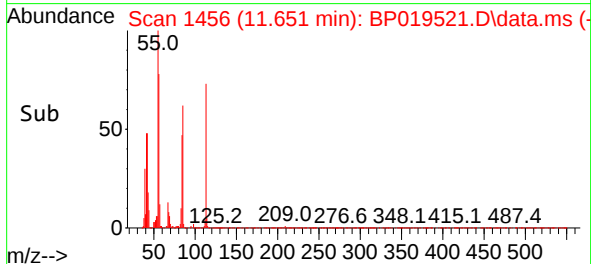
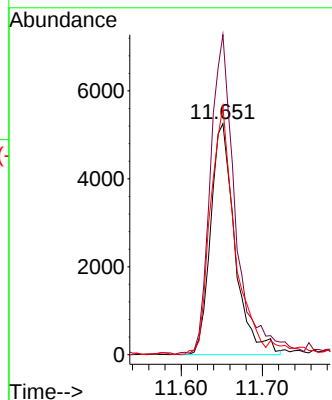
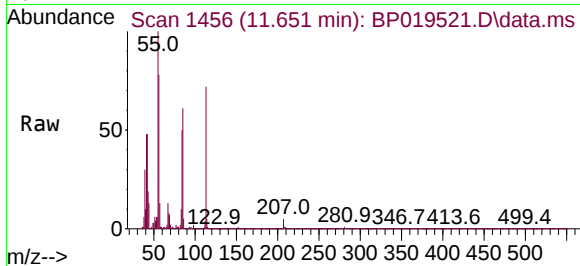




#35
Caprolactam
Concen: 5.598 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.023 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

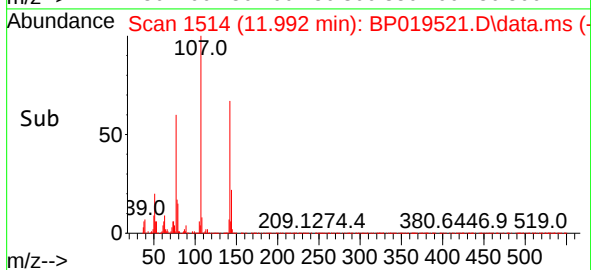
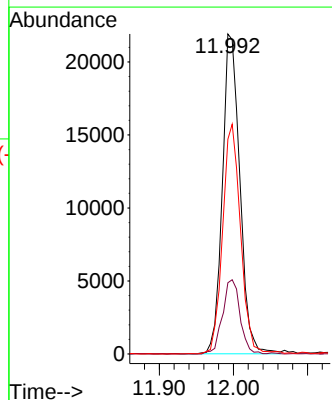
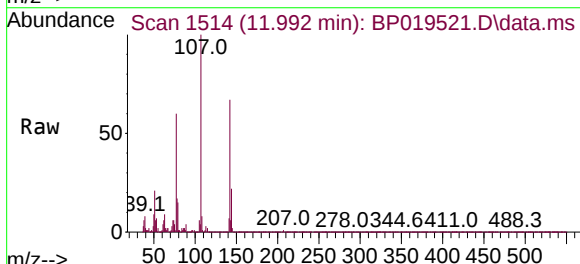
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

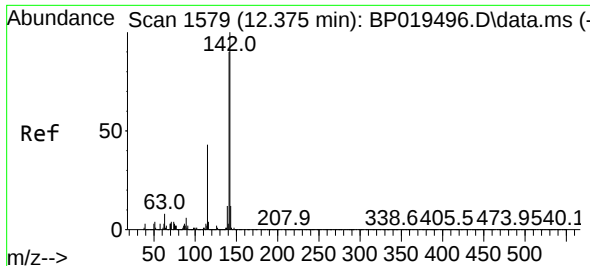
Tgt Ion:113 Resp: 10940
Ion Ratio Lower Upper
113 100
55 138.5 120.0 160.0
56 107.5 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 4.778 ng
RT: 11.992 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:107 Resp: 35966
Ion Ratio Lower Upper
107 100
144 22.3 19.0 28.4
142 67.1 58.6 88.0

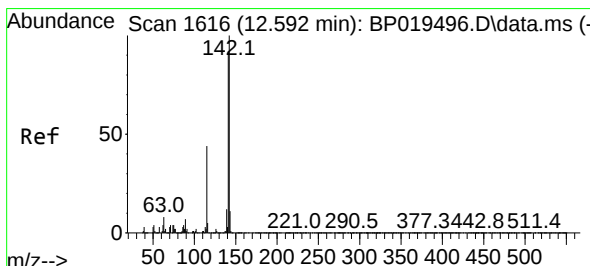
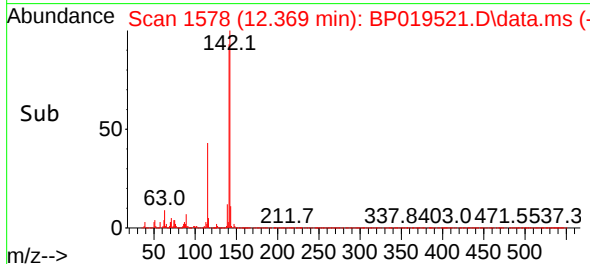
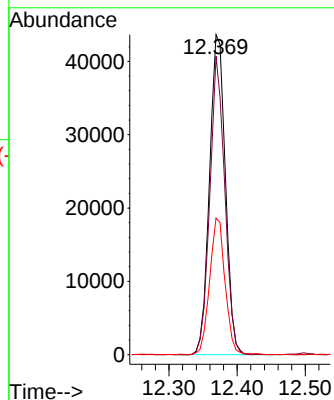
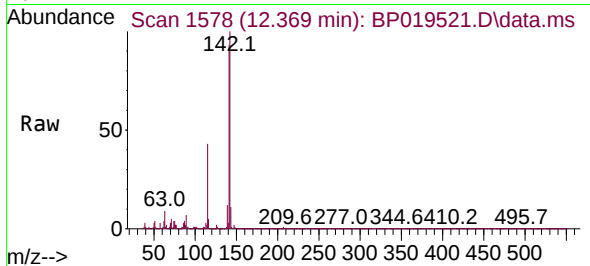




#37
2-Methylnaphthalene
Concen: 4.620 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

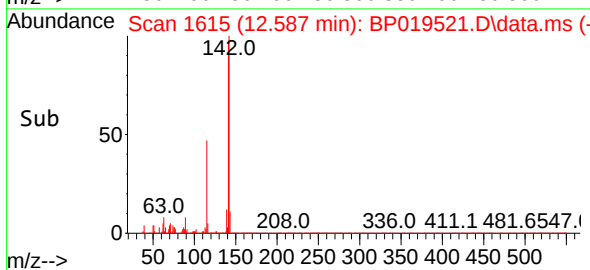
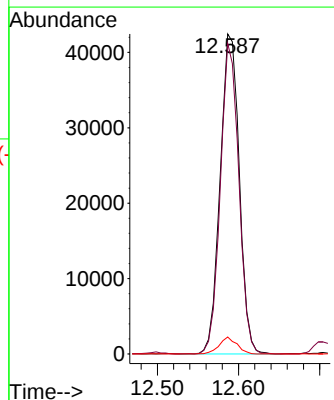
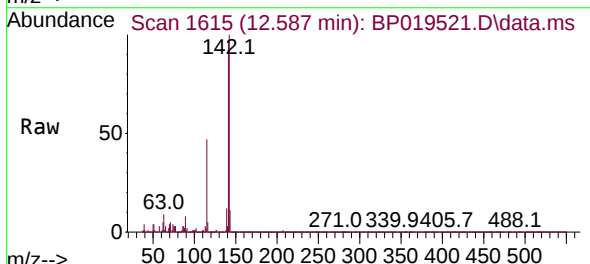
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

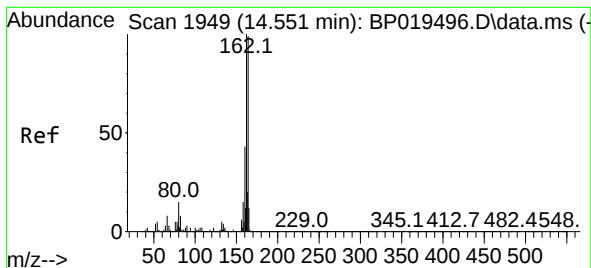
Tgt Ion:142 Resp: 70682
Ion Ratio Lower Upper
142 100
141 93.2 72.2 108.4
115 42.7 34.2 51.2



#38
1-Methylnaphthalene
Concen: 4.627 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:142 Resp: 69563
Ion Ratio Lower Upper
142 100
141 97.0 74.0 111.0
116 5.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

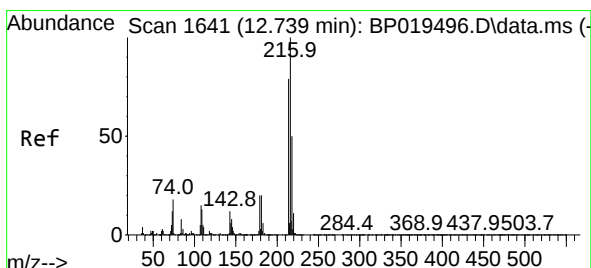
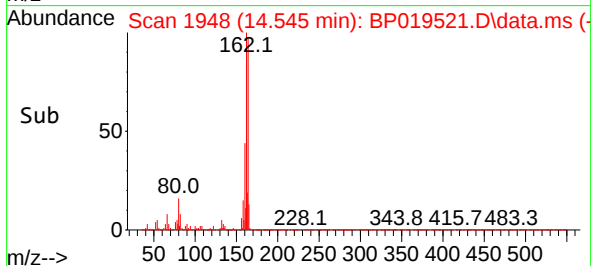
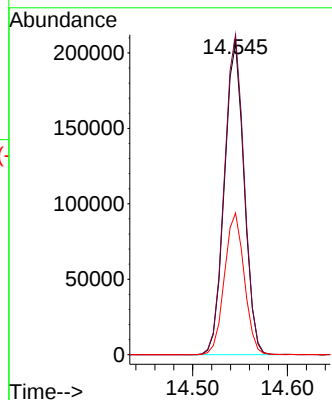
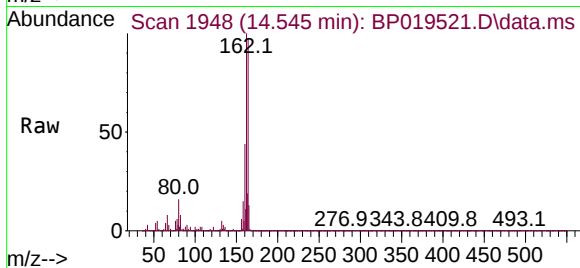
Tgt Ion:164 Resp: 299429

Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

160 45.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.060 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:216 Resp: 46885

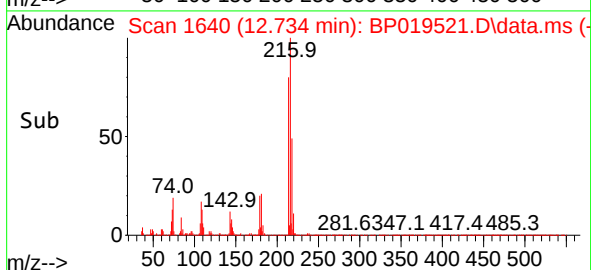
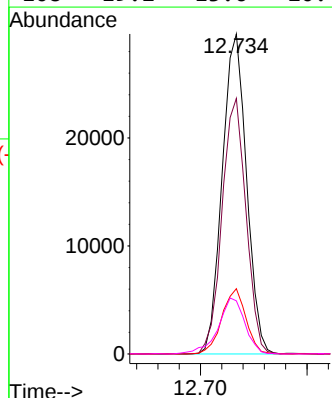
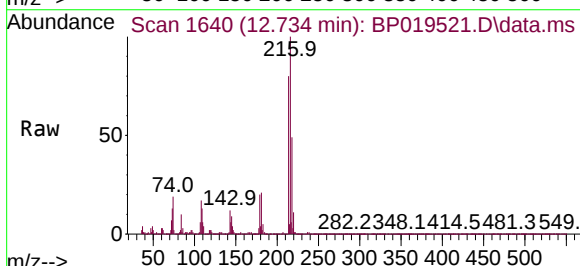
Ion Ratio Lower Upper

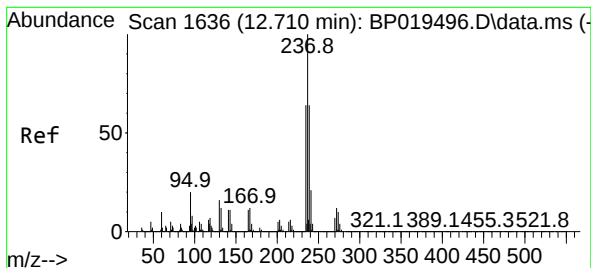
216 100

214 78.8 62.8 94.2

179 20.3 16.6 24.8

108 19.2 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.304 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

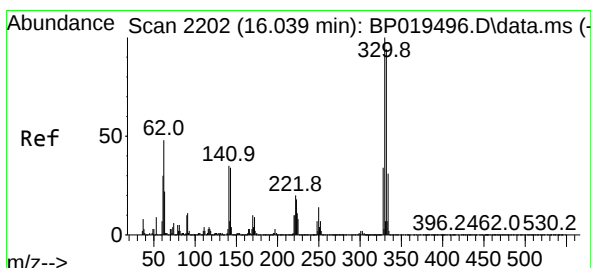
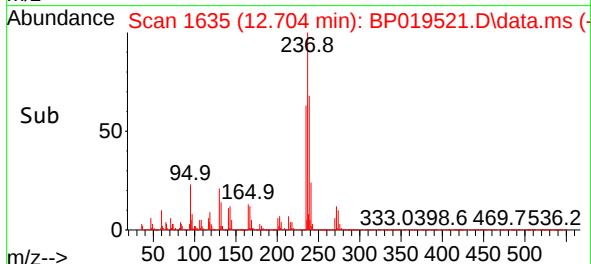
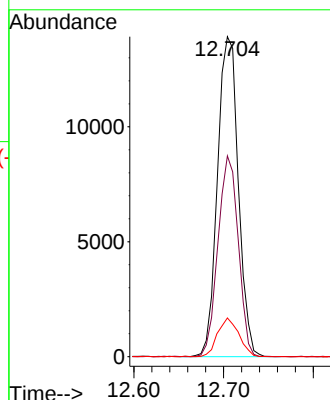
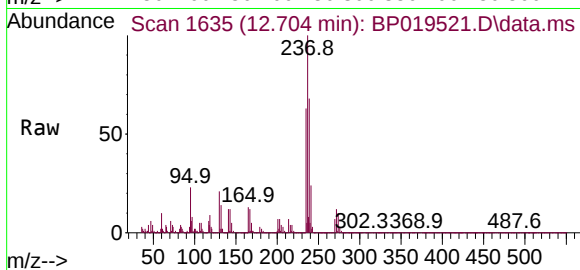
Tgt Ion:237 Resp: 22453

Ion Ratio Lower Upper

237 100

235 62.7 43.7 83.7

272 12.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 116.604 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

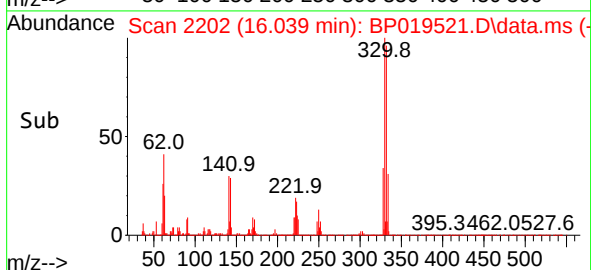
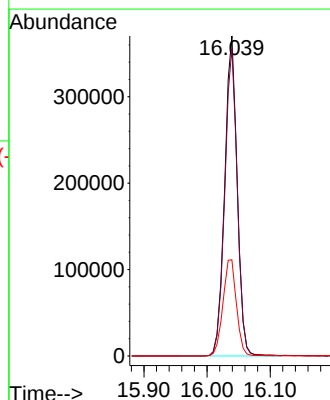
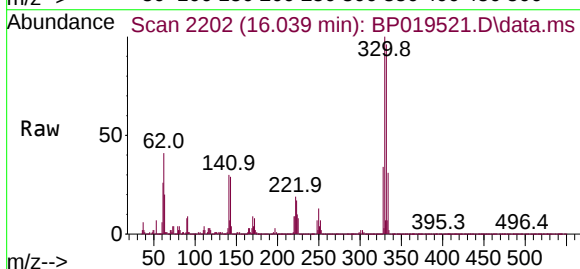
Tgt Ion:330 Resp: 509779

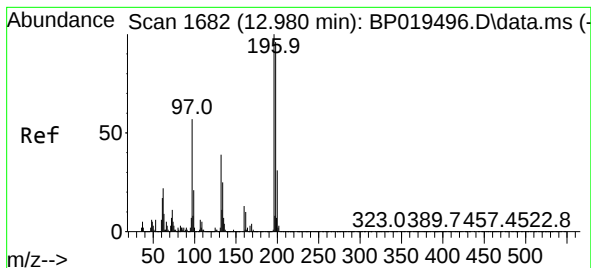
Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 32.7 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.935 ng

RT: 12.981 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

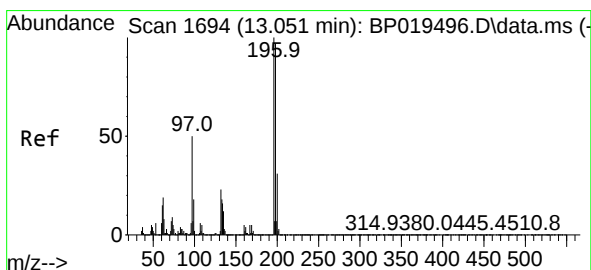
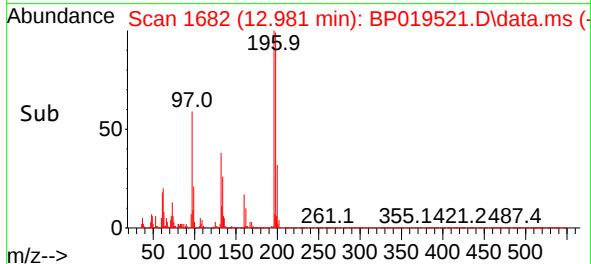
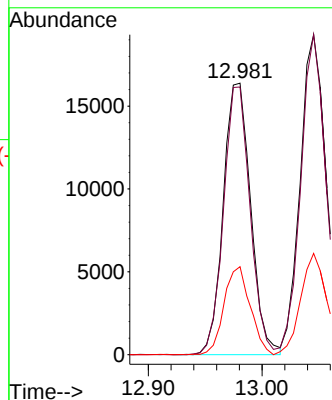
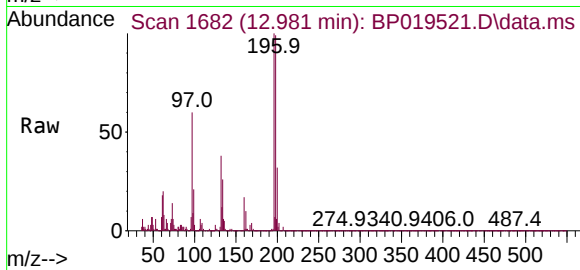
Tgt Ion:196 Resp: 27514

Ion Ratio Lower Upper

196 100

198 98.6 76.7 115.1

200 32.4 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 4.014 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:196 Resp: 30818

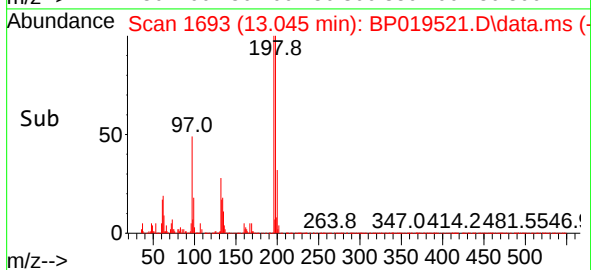
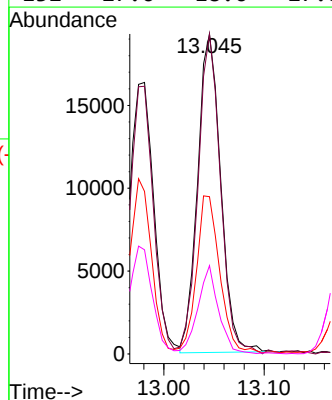
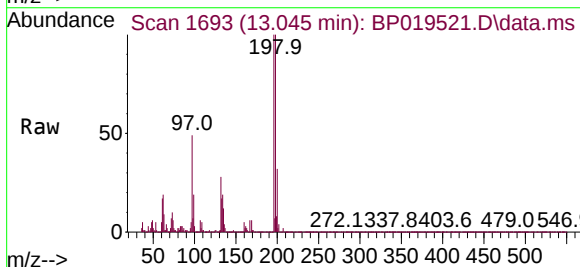
Ion Ratio Lower Upper

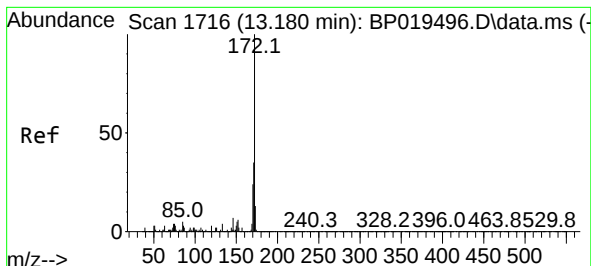
196 100

198 100.0 77.5 116.3

97 49.1 39.9 59.9

132 27.6 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 80.169 ng

RT: 13.175 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

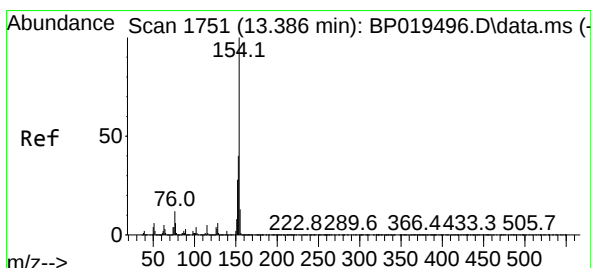
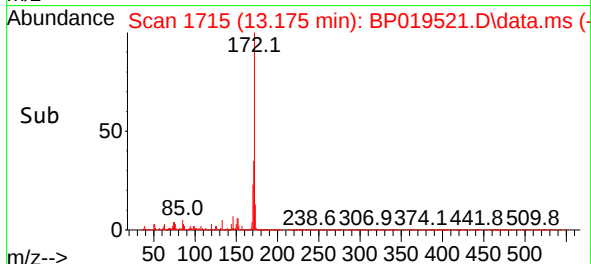
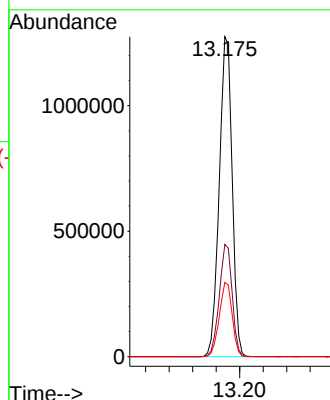
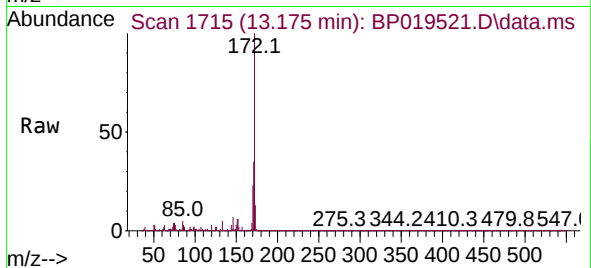
Tgt Ion:172 Resp: 1941782

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.9 28.3



#46

1,1'-Biphenyl

Concen: 4.265 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

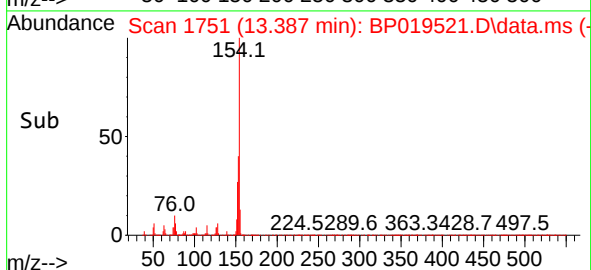
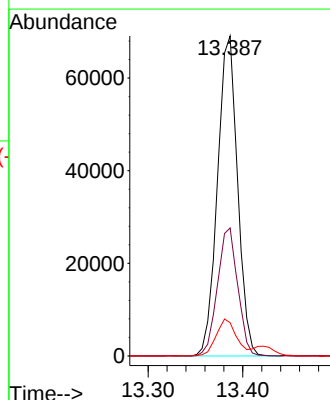
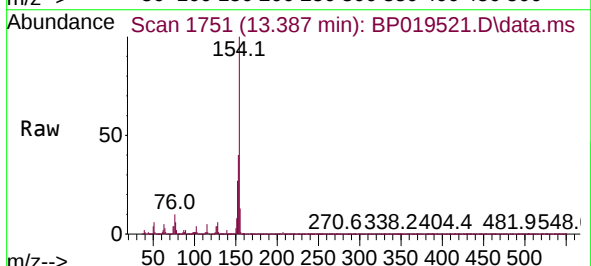
Tgt Ion:154 Resp: 101929

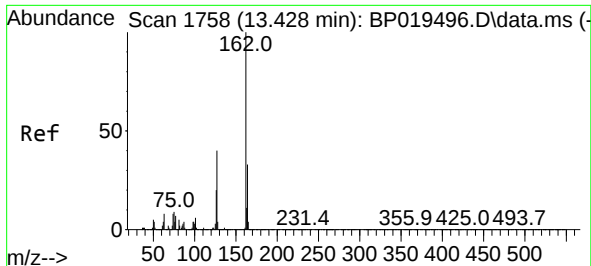
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 10.4 0.0 31.6

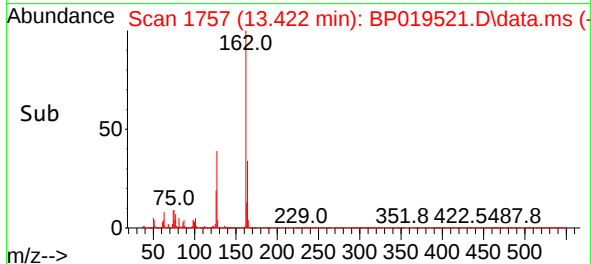
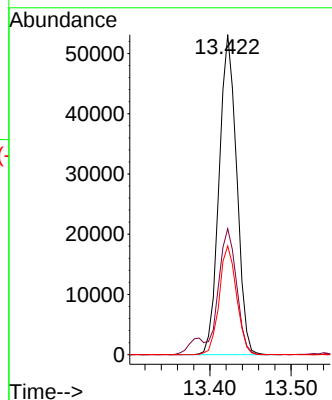
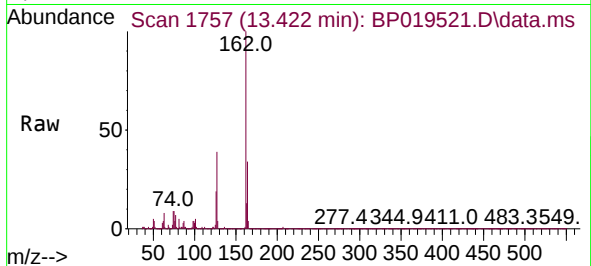




#47
2-Chloronaphthalene
Concen: 4.081 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

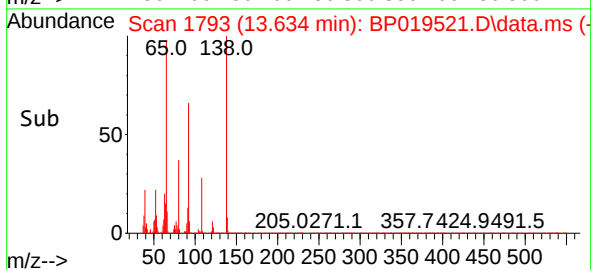
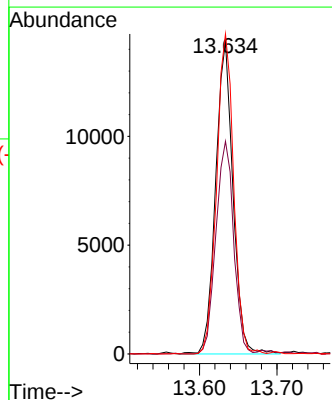
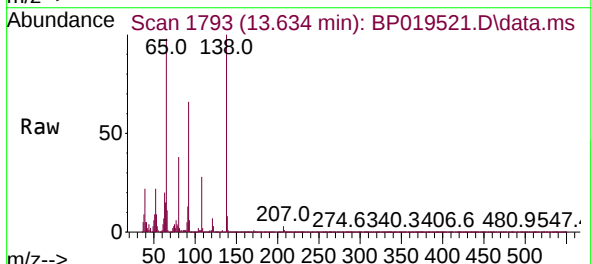
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

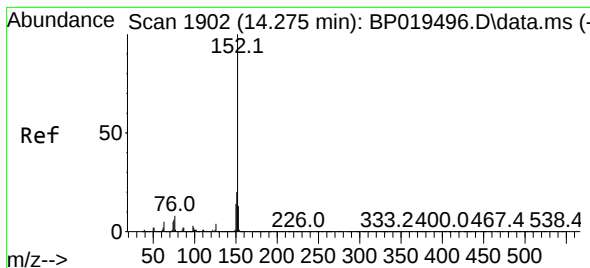
Tgt Ion:162 Resp: 80056
Ion Ratio Lower Upper
162 100
127 39.3 32.1 48.1
164 34.0 26.7 40.1



#48
2-Nitroaniline
Concen: 4.069 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 65 Resp: 22320
Ion Ratio Lower Upper
65 100
92 68.0 54.7 82.1
138 102.4 77.8 116.6





#49

Acenaphthylene

Concen: 4.665 ng

RT: 14.269 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

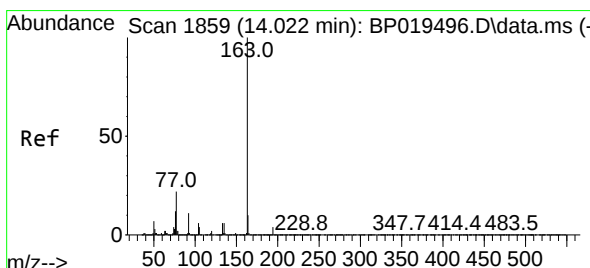
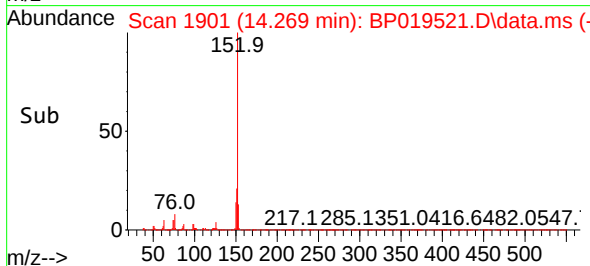
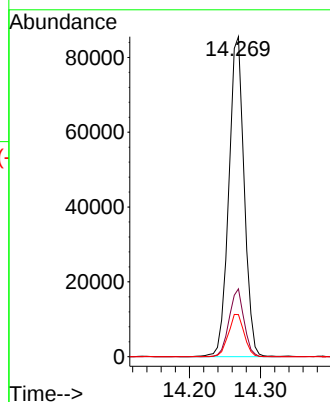
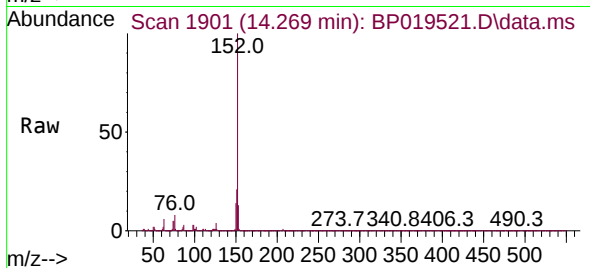
Tgt Ion:152 Resp: 128388

Ion Ratio Lower Upper

152 100

151 21.2 15.8 23.6

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 4.675 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

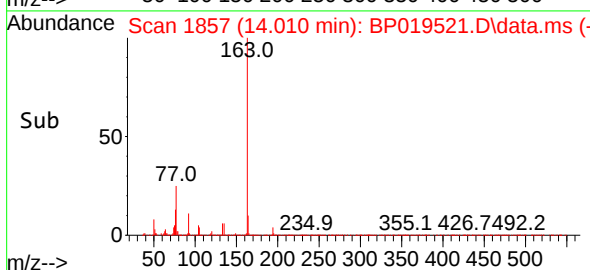
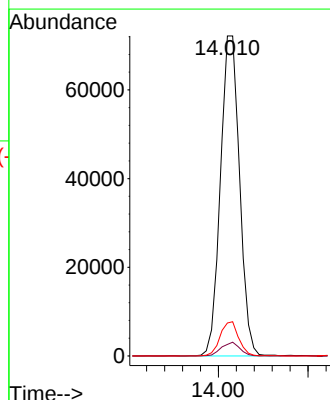
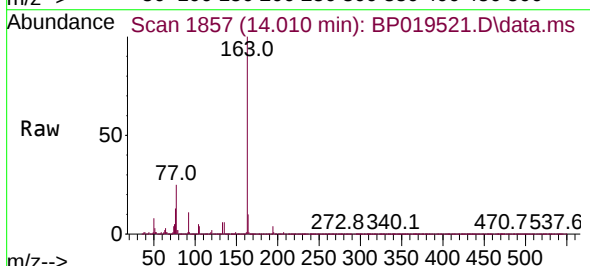
Tgt Ion:163 Resp: 107153

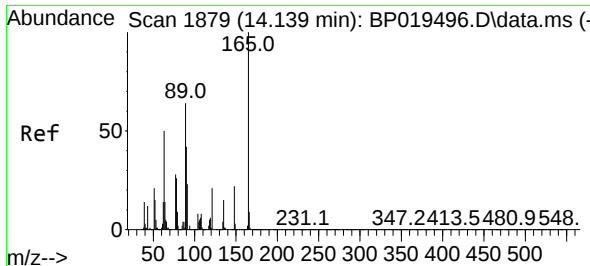
Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

164 10.3 7.8 11.6

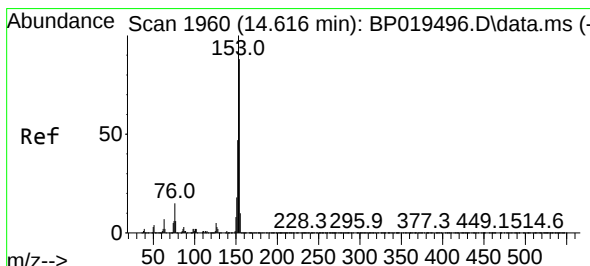
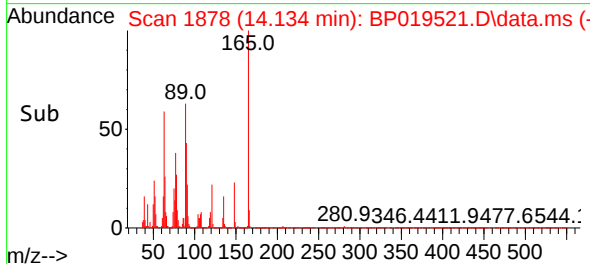
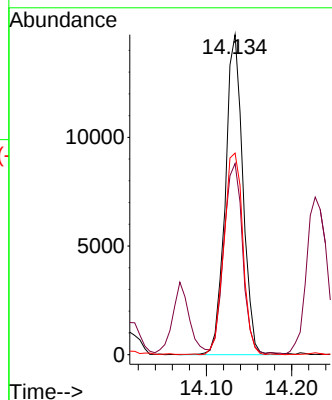
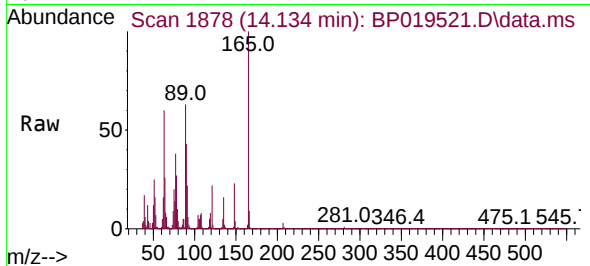




#51
2,6-Dinitrotoluene
Concen: 4.187 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

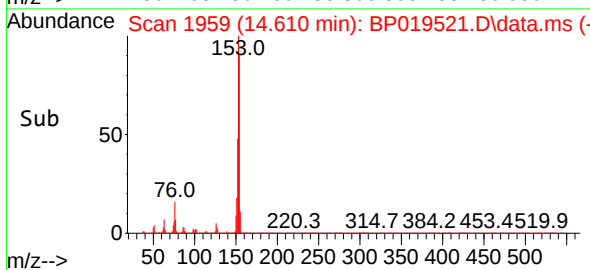
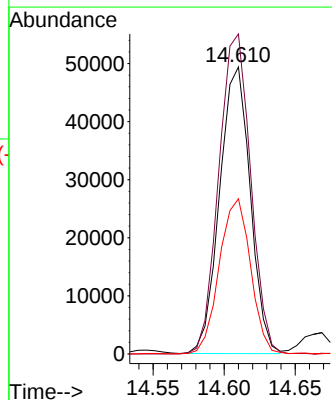
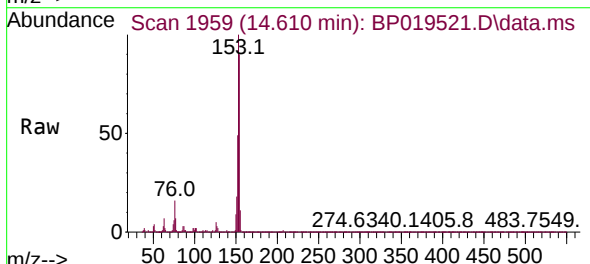
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

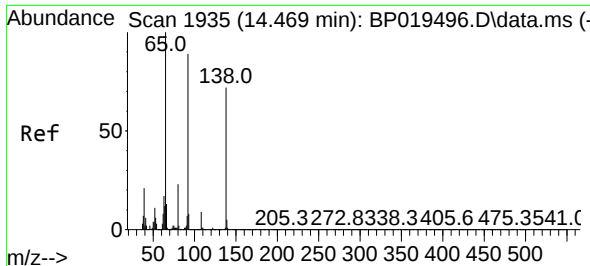
Tgt Ion:165 Resp: 21084
Ion Ratio Lower Upper
165 100
63 59.7 50.4 75.6
89 63.0 51.7 77.5



#52
Acenaphthene
Concen: 4.339 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:154 Resp: 74117
Ion Ratio Lower Upper
154 100
153 111.5 90.5 135.7
152 54.1 42.1 63.1

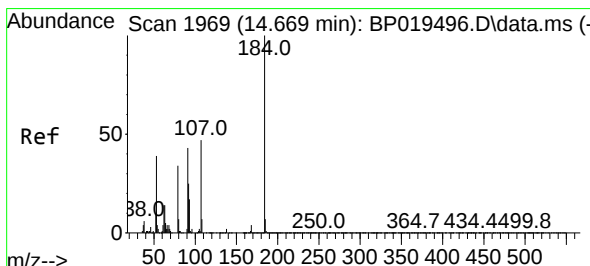
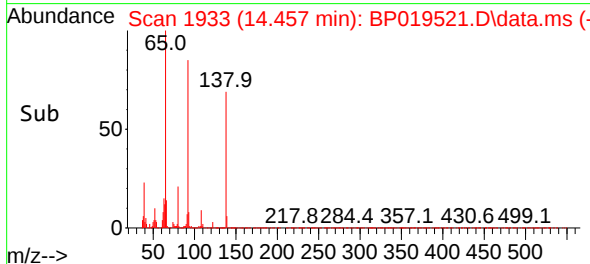
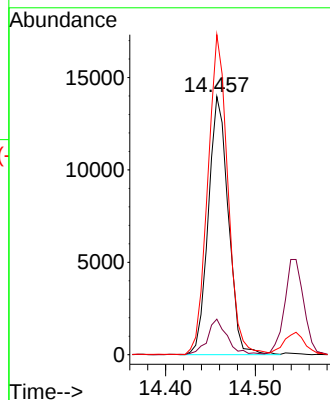
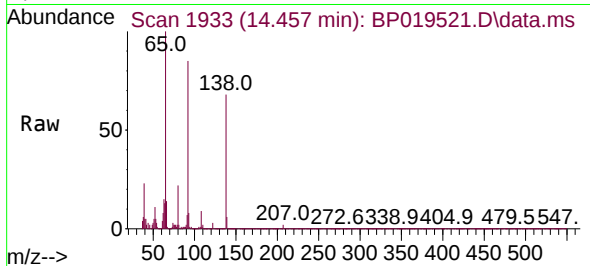




#53
3-Nitroaniline
Concen: 4.665 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

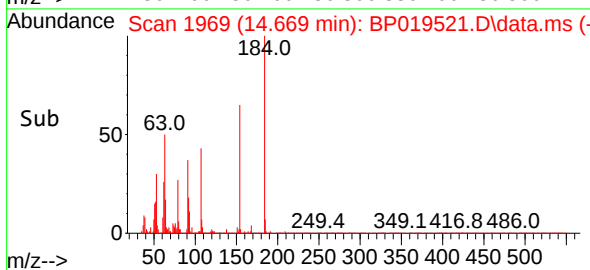
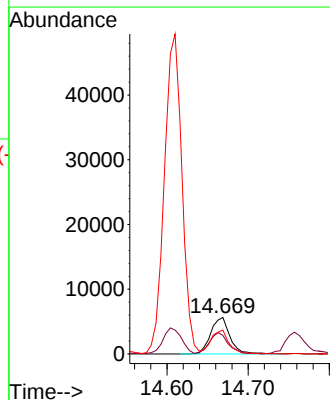
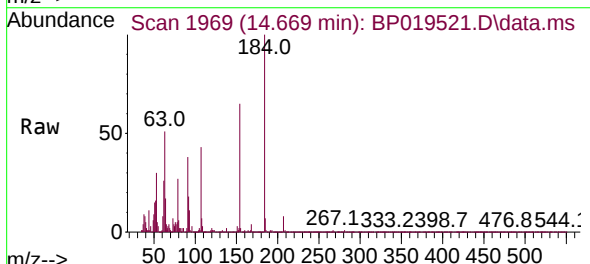
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

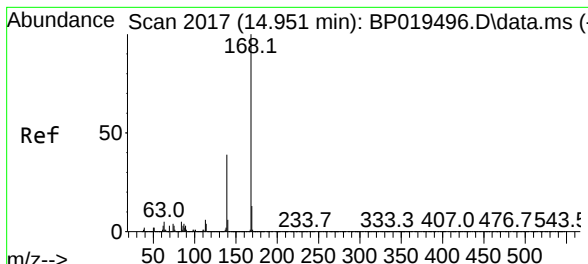
Tgt Ion:138 Resp: 21592
Ion Ratio Lower Upper
138 100
108 13.8 9.7 14.5
92 124.0 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 3.520 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:184 Resp: 9204
Ion Ratio Lower Upper
184 100
63 50.7 50.5 75.7
154 65.1 53.4 80.0

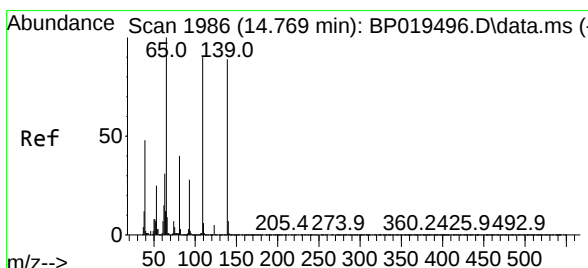
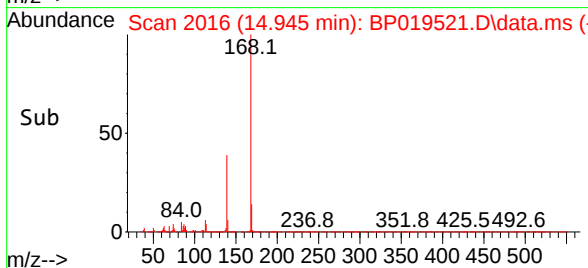
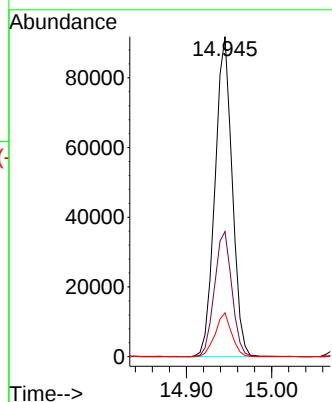
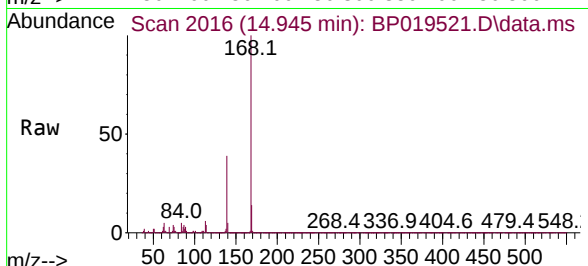




#55
Dibenzenofuran
Concen: 4.635 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

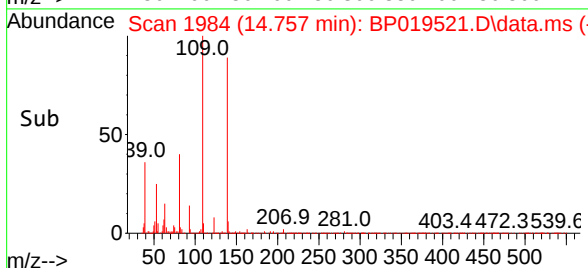
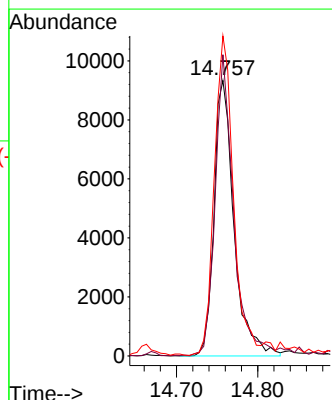
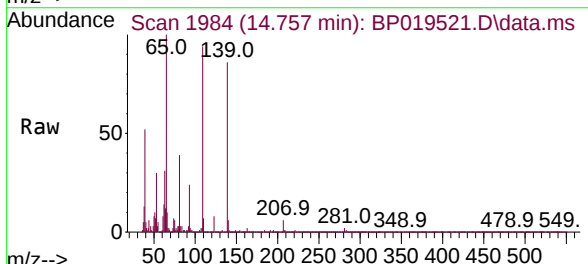
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

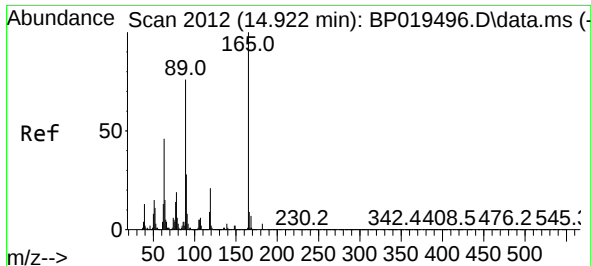
Tgt Ion:168 Resp: 128963
Ion Ratio Lower Upper
168 100
139 39.1 31.5 47.3
169 13.7 10.3 15.5



#56
4-Nitrophenol
Concen: 4.205 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:139 Resp: 15951
Ion Ratio Lower Upper
139 100
109 109.3 82.0 122.0
65 116.1 92.9 132.9

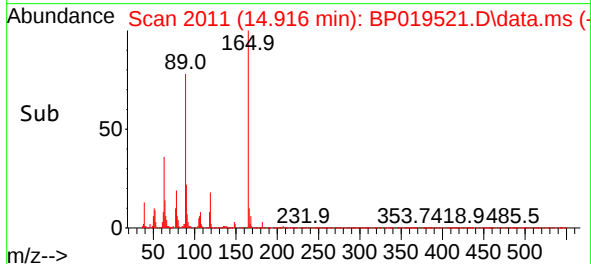
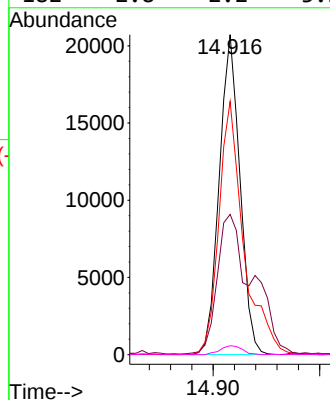
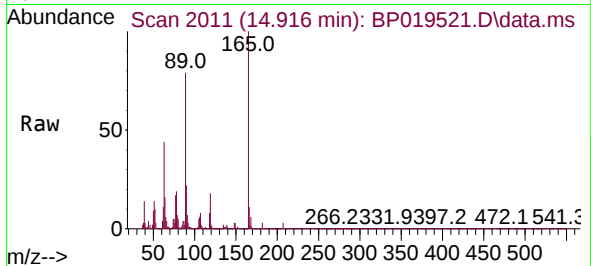




#57
2,4-Dinitrotoluene
Concen: 4.223 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

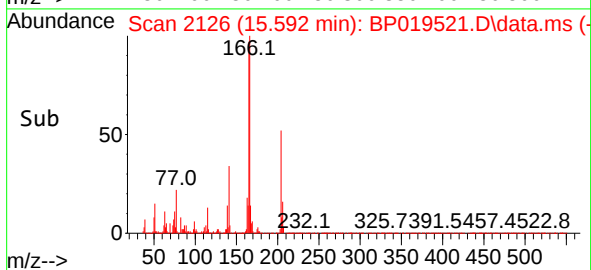
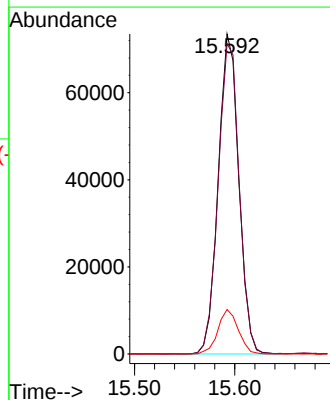
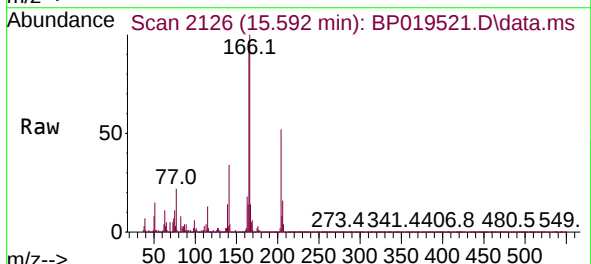
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

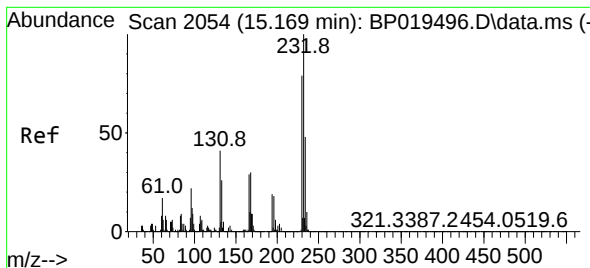
Tgt Ion:165 Resp: 27870
Ion Ratio Lower Upper
165 100
63 43.8 36.9 55.3
89 79.2 61.1 91.7
182 2.8 2.2 3.2



#58
Fluorene
Concen: 4.703 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:166 Resp: 104209
Ion Ratio Lower Upper
166 100
165 97.0 77.8 116.8
167 13.9 10.7 16.1

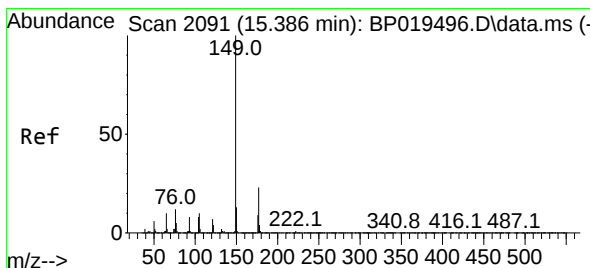
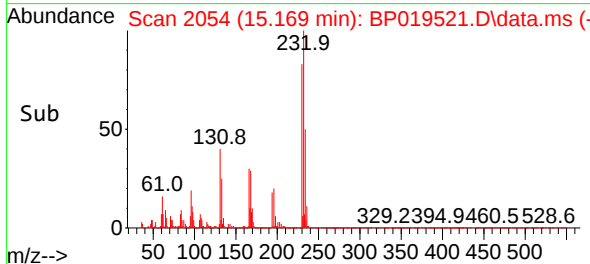
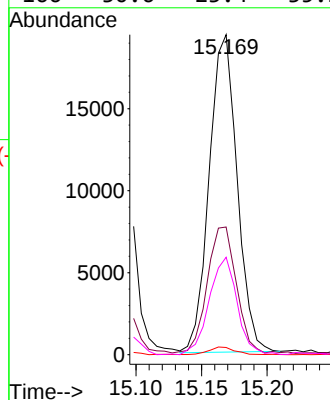
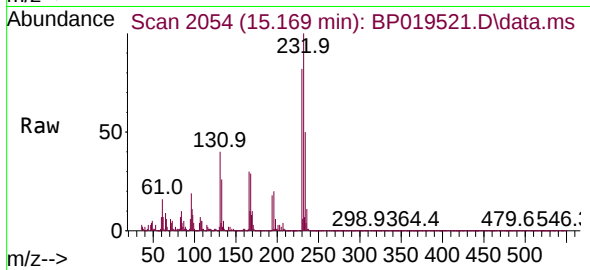




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

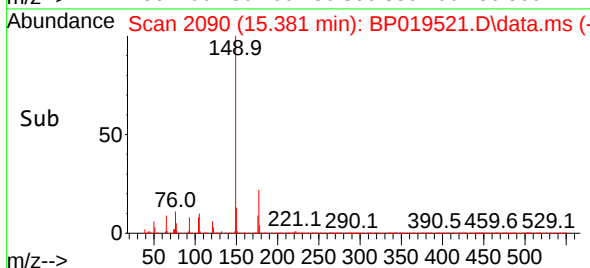
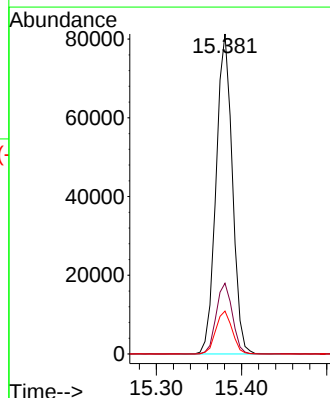
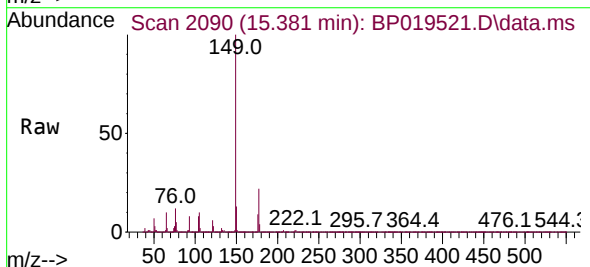
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

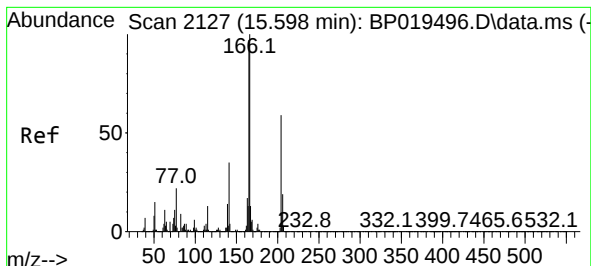
Tgt Ion:232	Resp:	28683
Ion Ratio	Lower	Upper
232	100	
131	41.9	32.4 48.6
130	2.3	1.9 2.9
166	30.6	23.4 35.2



#60
Diethylphthalate
Concen: 4.721 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:149	Resp:	107637
Ion Ratio	Lower	Upper
149	100	
177	22.1	18.2 27.2
150	13.4	10.2 15.4

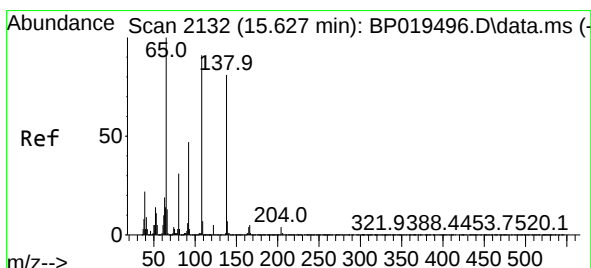
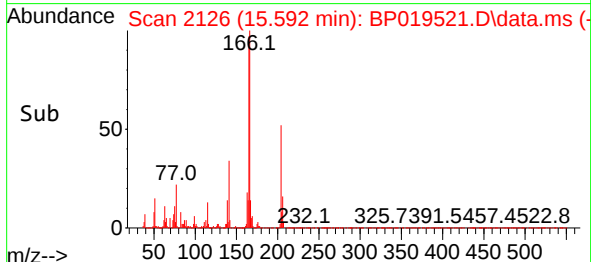
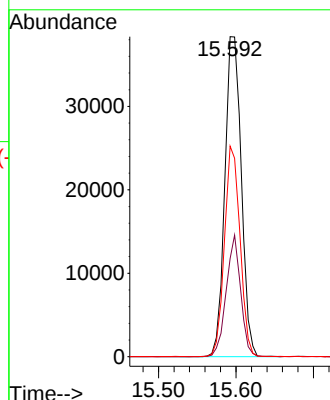
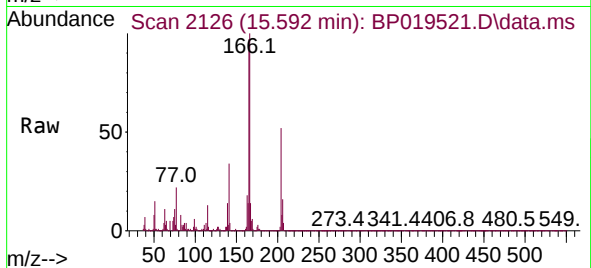




#61
4-Chlorophenyl-phenylether
Concen: 4.543 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

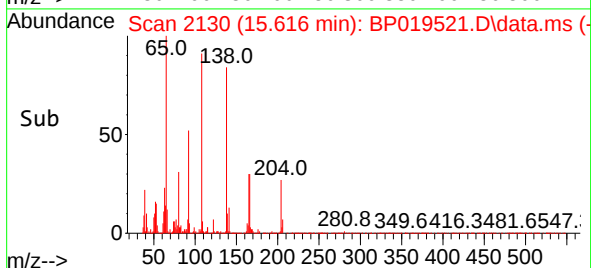
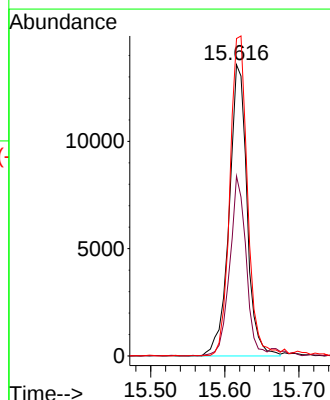
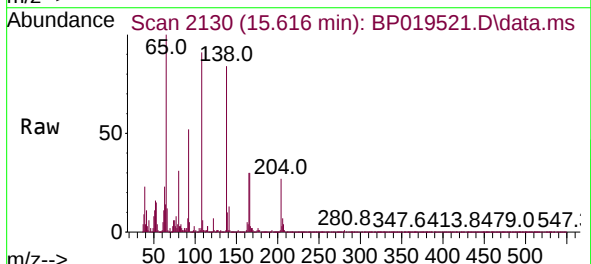
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

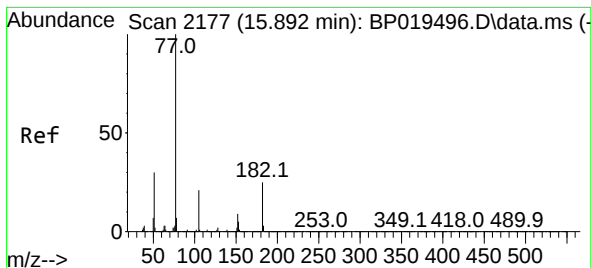
Tgt Ion:204 Resp: 56578
Ion Ratio Lower Upper
204 100
206 30.6 26.5 39.7
141 65.8 48.5 72.7



#62
4-Nitroaniline
Concen: 4.672 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:138 Resp: 22667
Ion Ratio Lower Upper
138 100
92 61.8 38.3 78.3
108 109.0 91.2 131.2





#63

Azobenzene

Concen: 4.610 ng

RT: 15.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 77 Resp: 101645

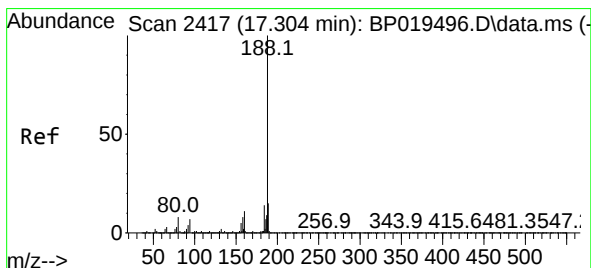
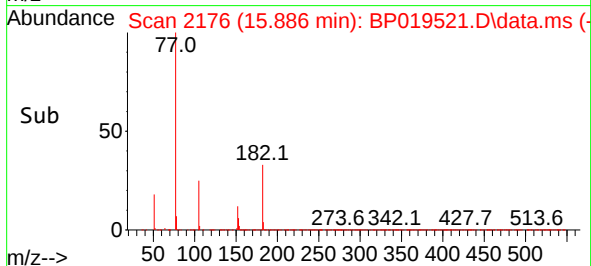
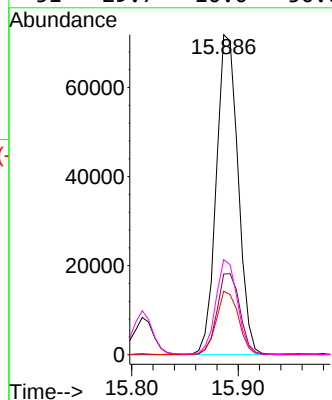
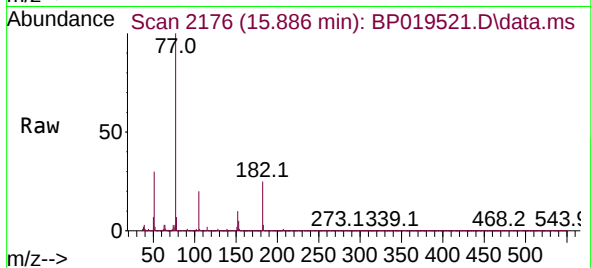
Ion Ratio Lower Upper

77 100

182 25.2 5.1 45.1

105 19.8 0.8 40.8

51 29.7 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

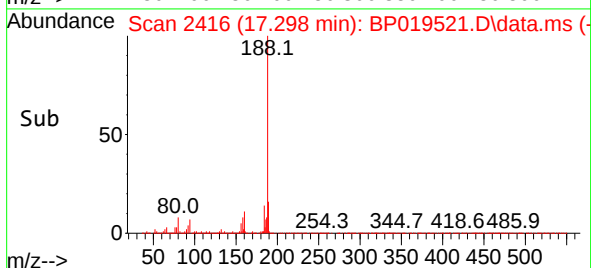
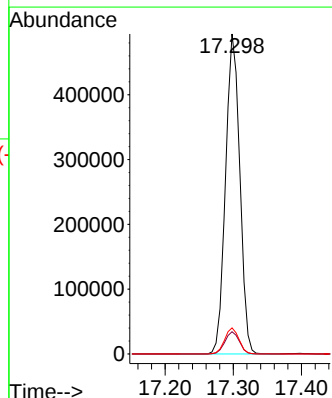
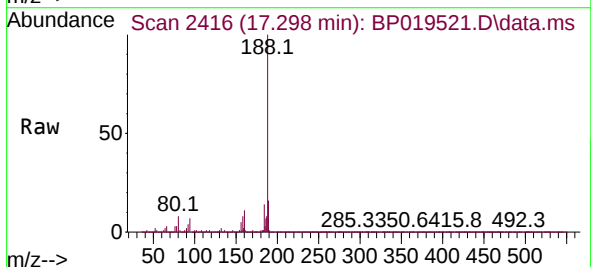
Tgt Ion: 188 Resp: 717979

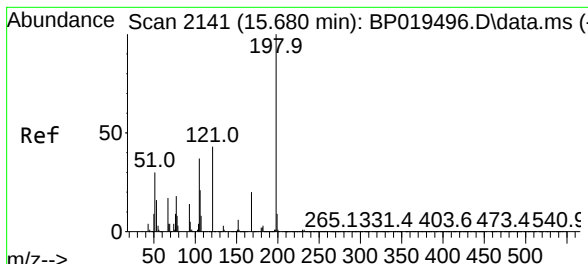
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.1 6.3 9.5

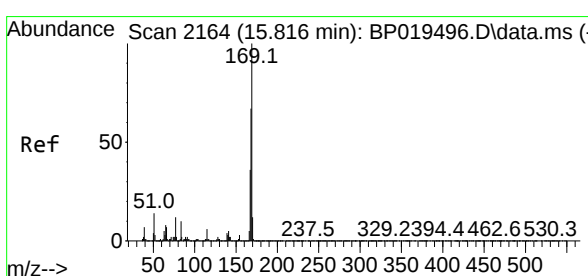
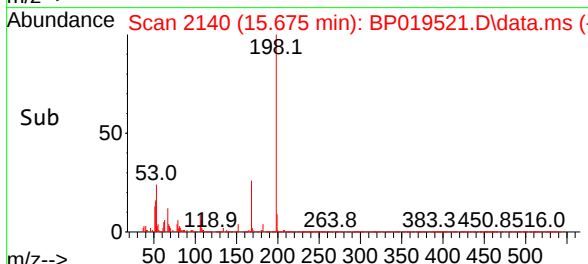
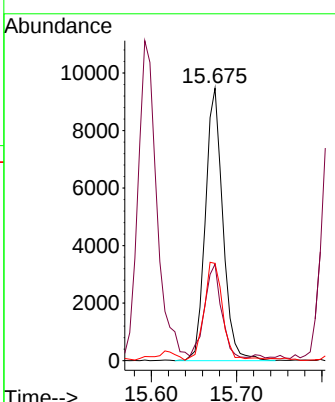
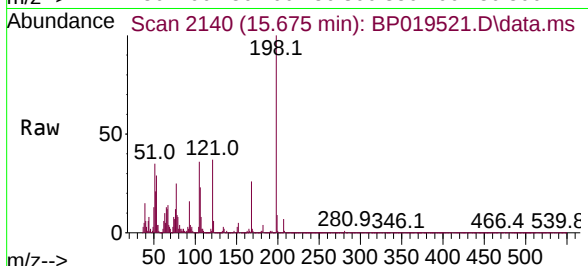




#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.287 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

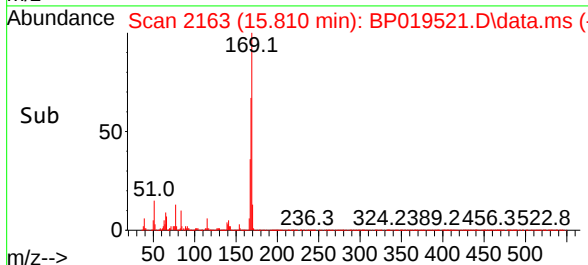
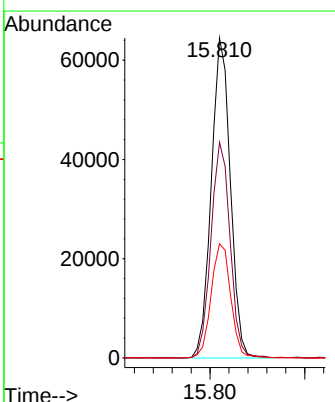
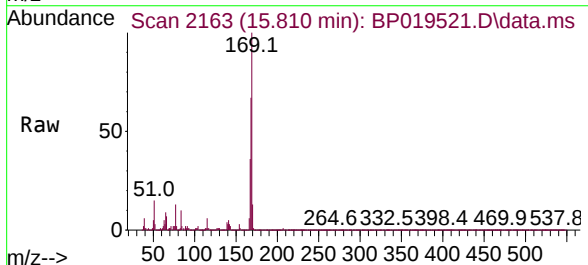
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023

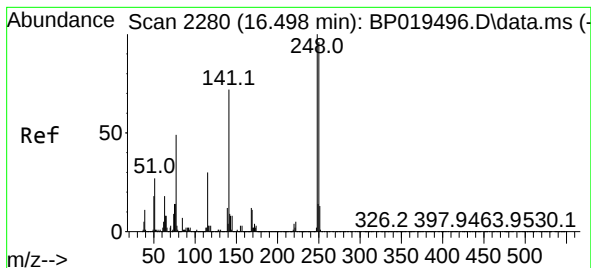
Tgt Ion:	198	Resp:	13456
Ion	Ratio	Lower	Upper
198	100		
51	35.4	21.2	61.2
105	35.7	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 4.196 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

Tgt Ion:	169	Resp:	90226
Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	35.7	28.9	43.3





#67

4-Bromophenyl-phenylether

Concen: 4.037 ng

RT: 16.492 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

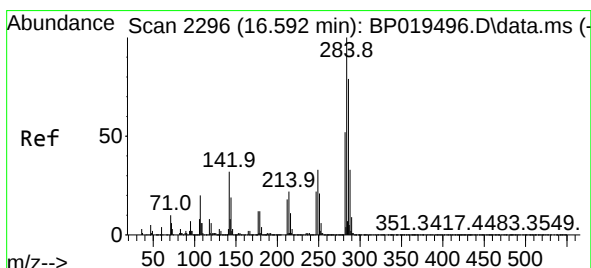
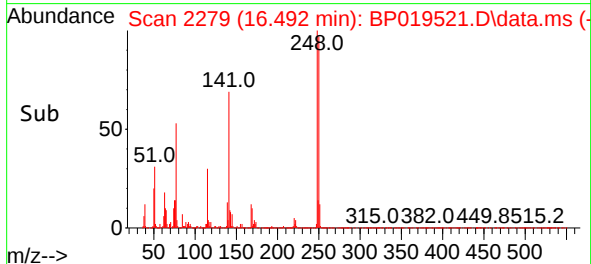
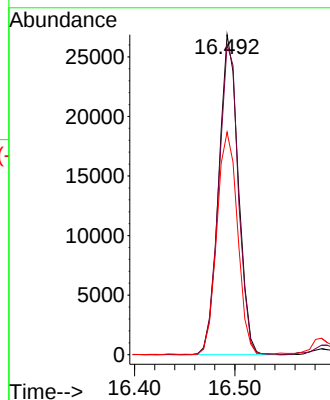
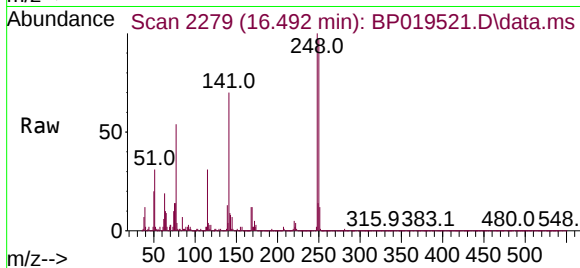
Tgt Ion:248 Resp: 36238

Ion Ratio Lower Upper

248 100

250 96.9 76.9 115.3

141 69.6 58.0 87.0



#68

Hexachlorobenzene

Concen: 4.137 ng

RT: 16.592 min Scan# 2296

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

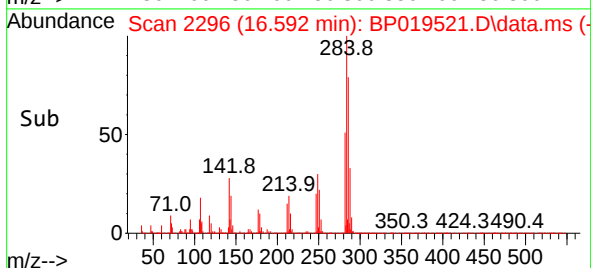
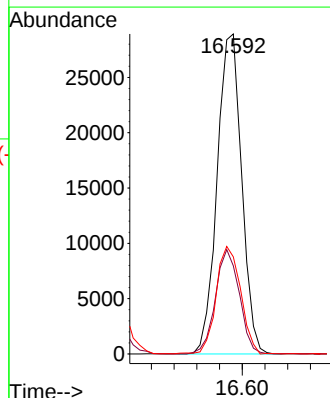
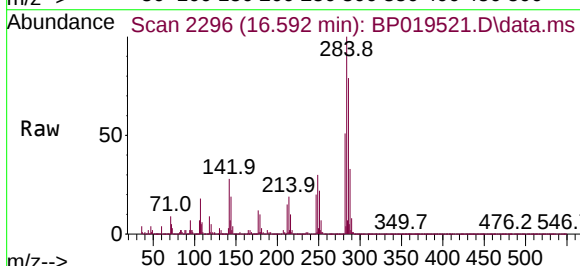
Tgt Ion:284 Resp: 43360

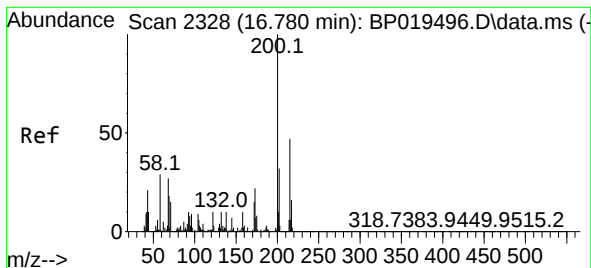
Ion Ratio Lower Upper

284 100

142 27.5 25.4 38.2

249 30.3 26.5 39.7





#69

Atrazine

Concen: 5.447 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

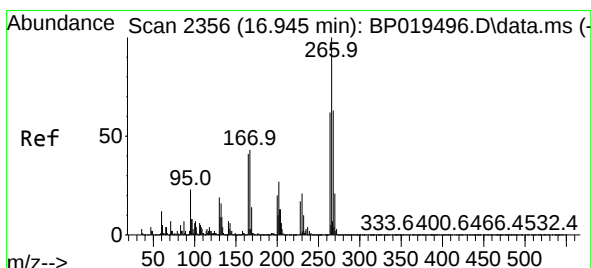
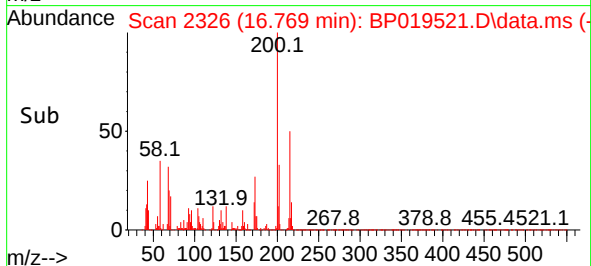
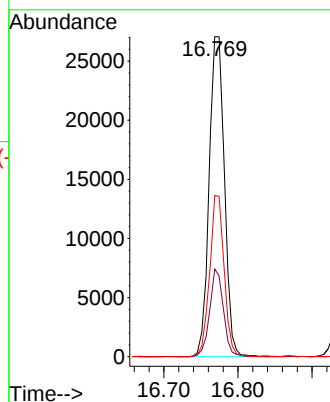
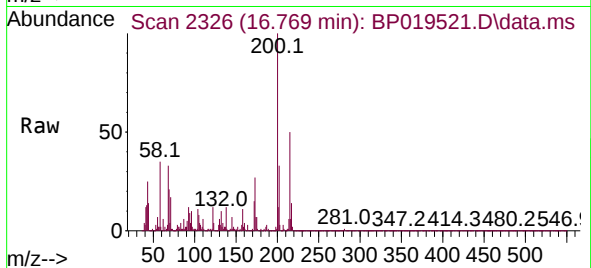
Tgt Ion:200 Resp: 38865

Ion Ratio Lower Upper

200 100

173 27.4 1.7 41.7

215 50.4 26.9 66.9



#70

Pentachlorophenol

Concen: 3.381 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

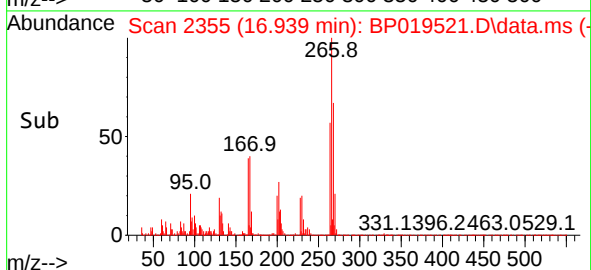
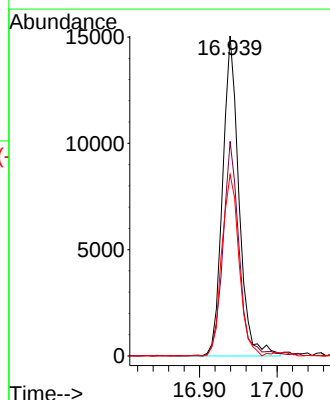
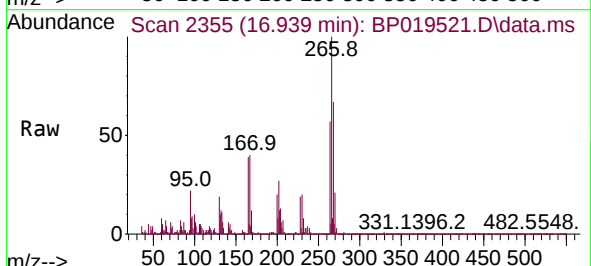
Tgt Ion:266 Resp: 22068

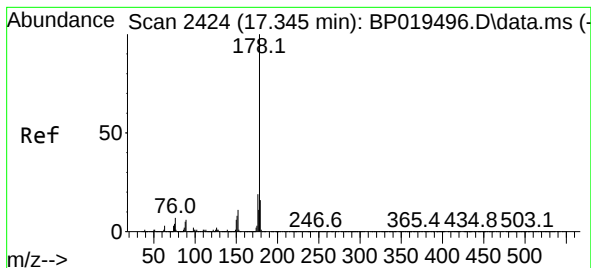
Ion Ratio Lower Upper

266 100

268 67.0 50.3 75.5

264 56.7 49.7 74.5





#71

Phenanthrene

Concen: 4.585 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

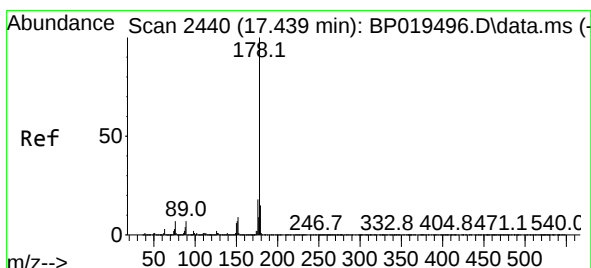
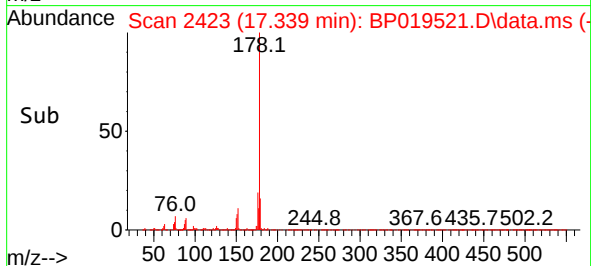
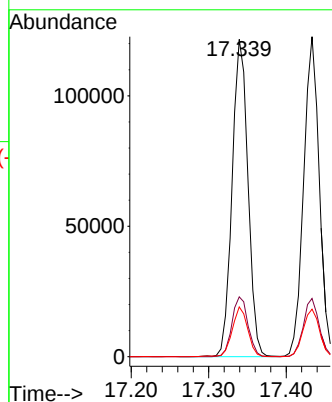
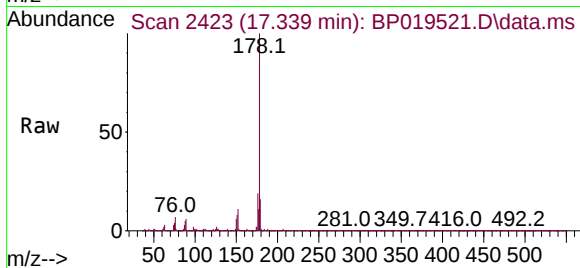
Tgt Ion:178 Resp: 173236

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.7 12.6 19.0



#72

Anthracene

Concen: 4.584 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

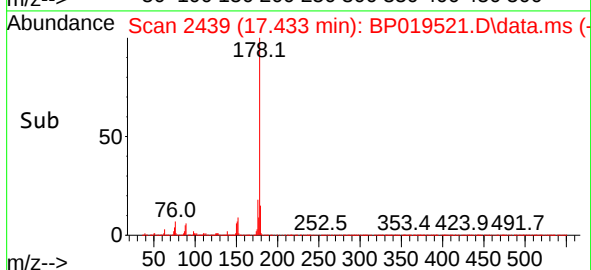
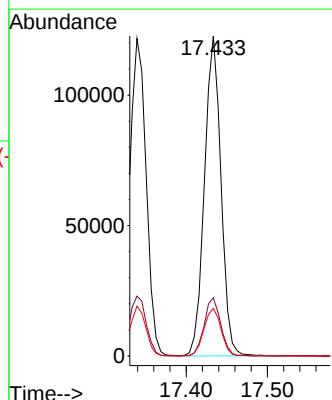
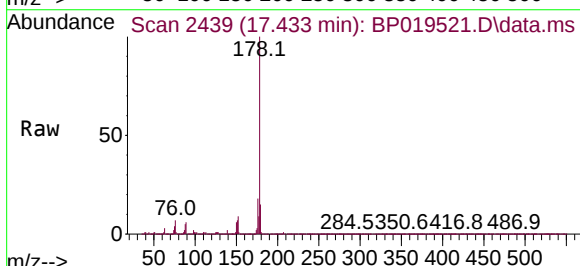
Tgt Ion:178 Resp: 172794

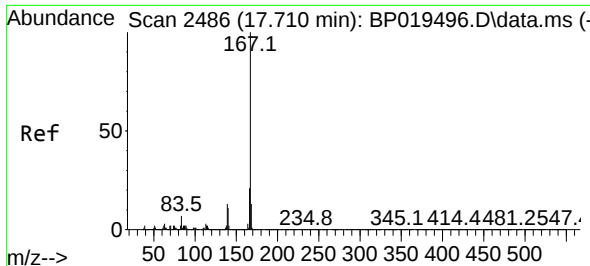
Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 14.8 12.2 18.2

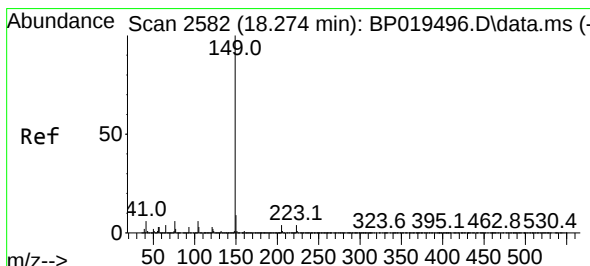
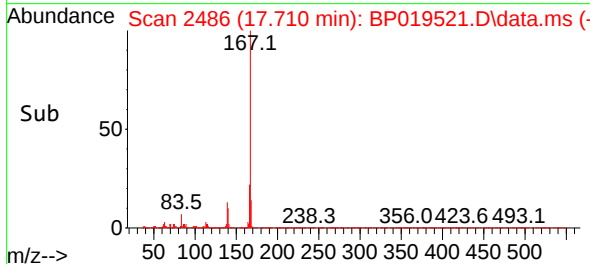
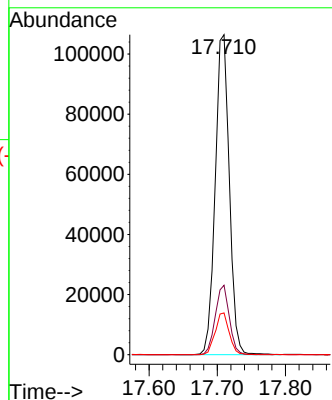
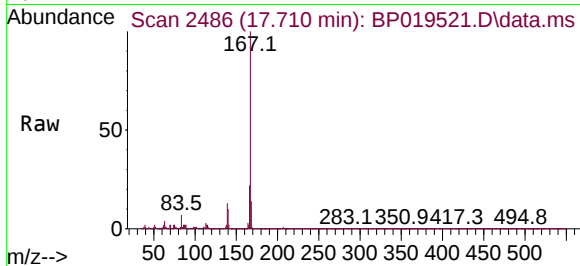




#73
 Carbazole
 Concen: 4.469 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

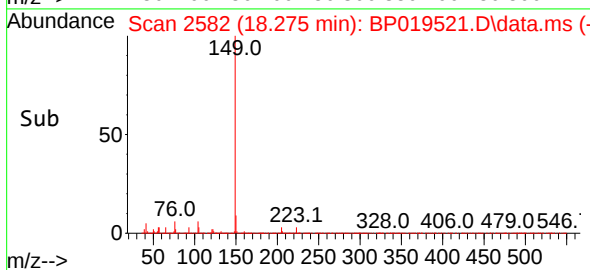
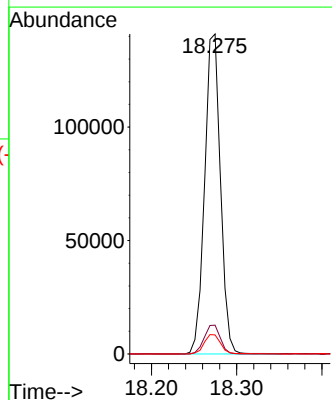
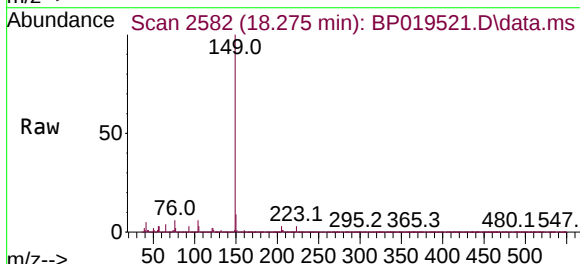
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Tgt Ion:167	Resp: 153010
Ion Ratio	Lower Upper
167 100	
166 21.7	17.2 25.8
139 13.0	10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 4.389 ng
 RT: 18.275 min Scan# 2582
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

Tgt Ion:149	Resp: 181712
Ion Ratio	Lower Upper
149 100	
150 9.0	7.3 10.9
104 6.0	4.8 7.2

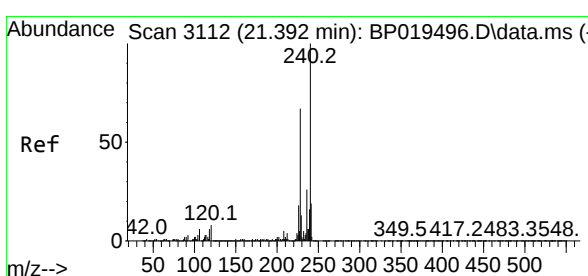
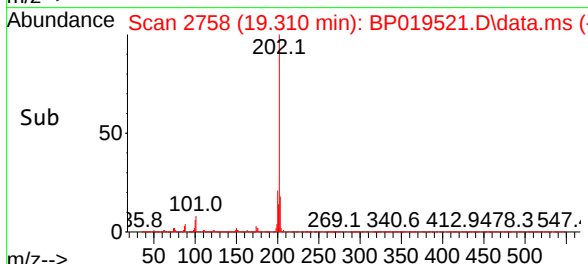
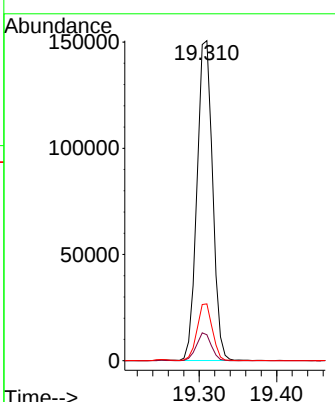
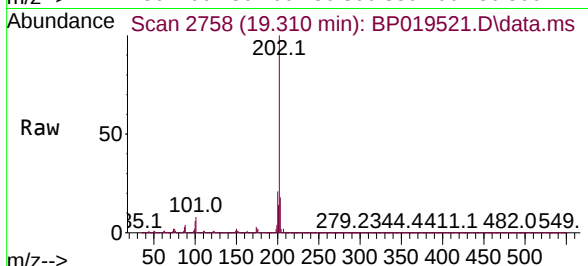




#75
 Fluoranthene
 Concen: 4.557 ng
 RT: 19.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

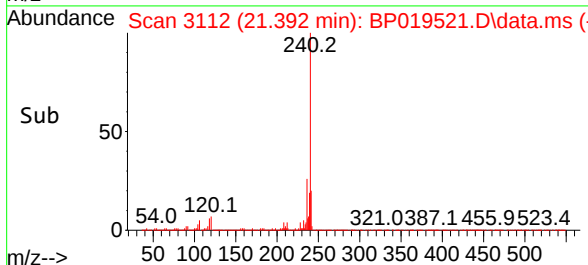
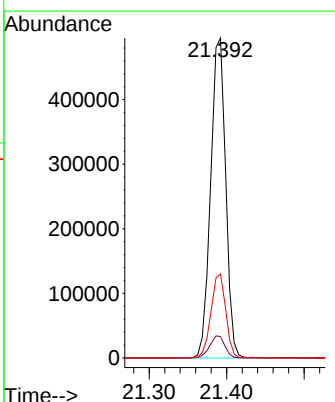
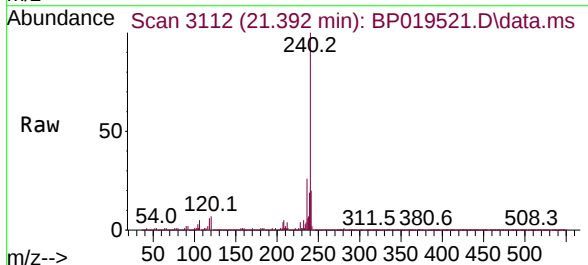
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

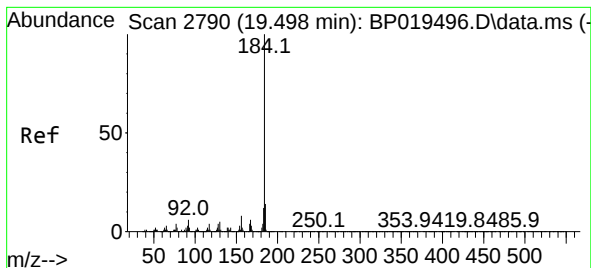
Tgt Ion:	202	Resp:	210330
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.7
203	17.8	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

Tgt Ion:	240	Resp:	666910
Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.1	9.1
236	26.3	20.7	31.1





#77

Benzidine

Concen: 5.886 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

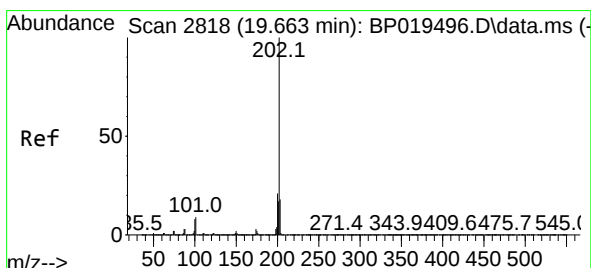
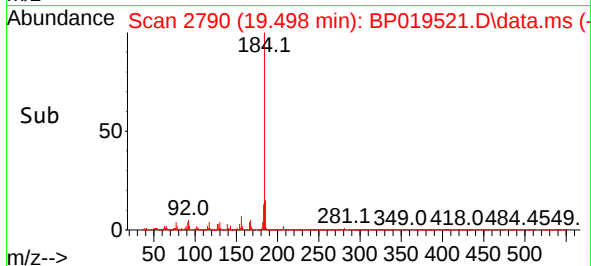
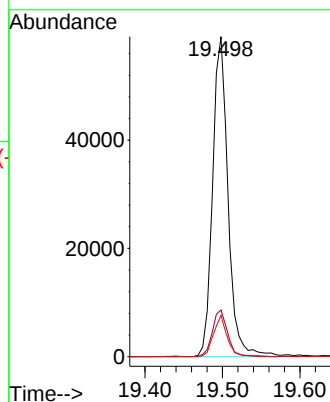
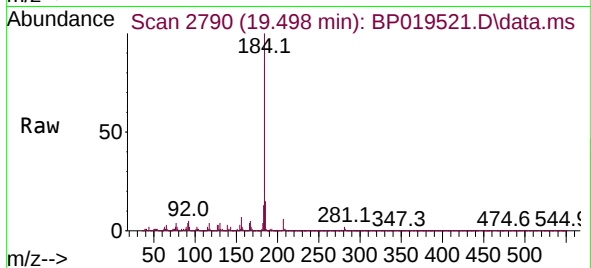
Tgt Ion:184 Resp: 82061

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

183 12.9 9.7 14.5



#78

Pyrene

Concen: 4.617 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

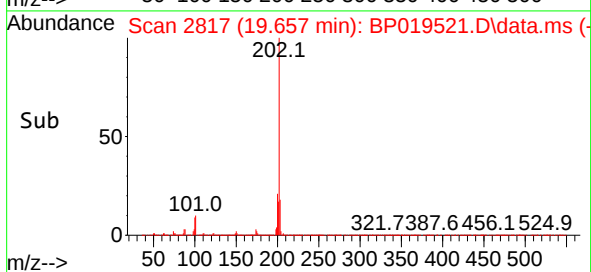
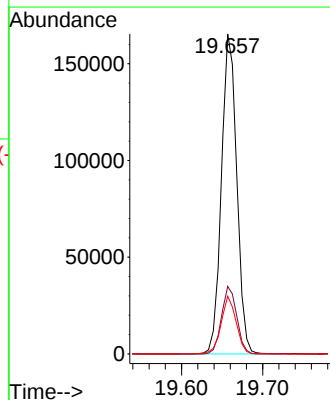
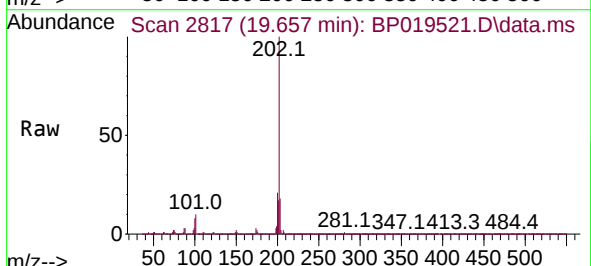
Tgt Ion:202 Resp: 217323

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 95.373 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

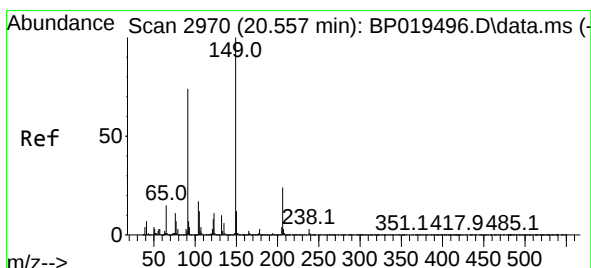
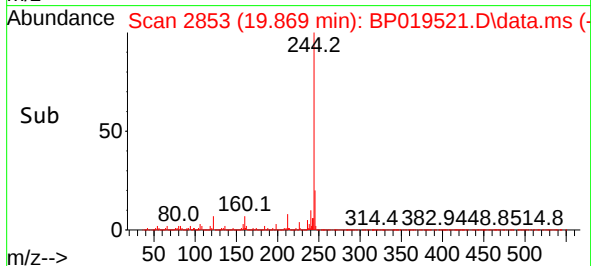
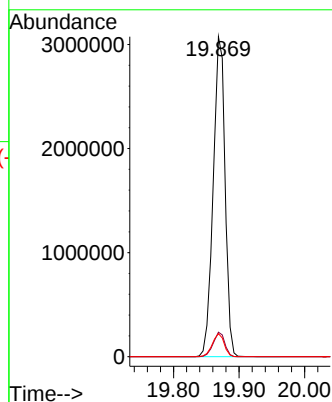
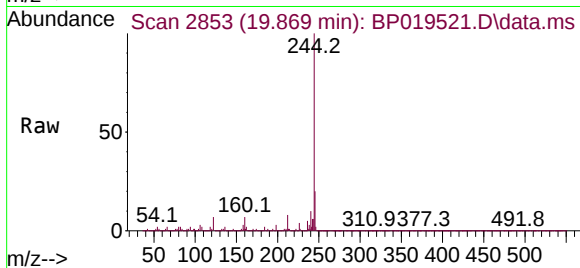
Tgt Ion:244 Resp: 3867661

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.2 5.9 8.9



#80

Butylbenzylphthalate

Concen: 4.156 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

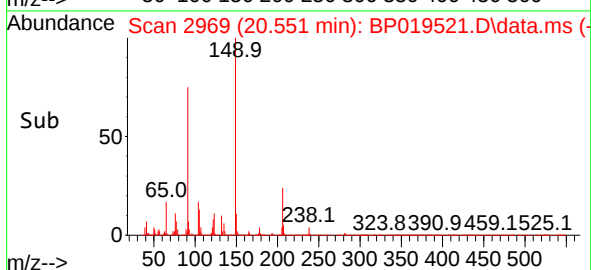
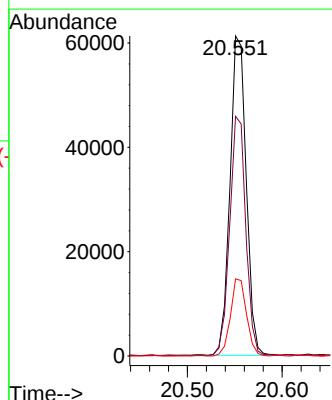
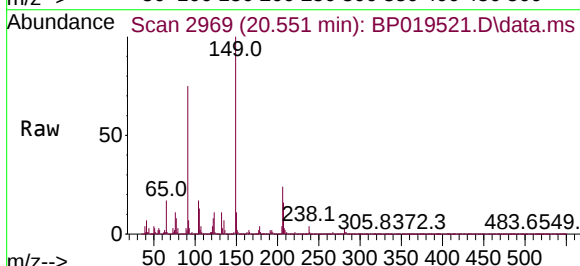
Tgt Ion:149 Resp: 73050

Ion Ratio Lower Upper

149 100

91 74.9 59.4 89.0

206 24.1 19.0 28.6





#81

Benzo(a)anthracene

Concen: 4.443 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

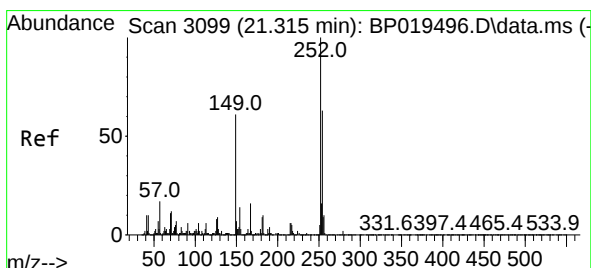
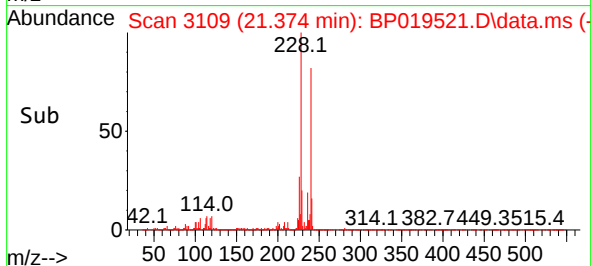
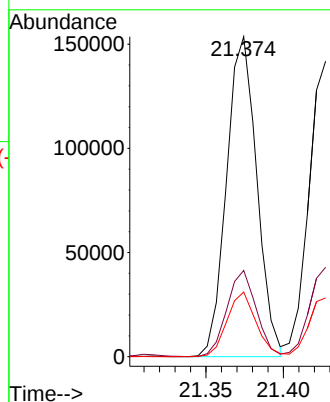
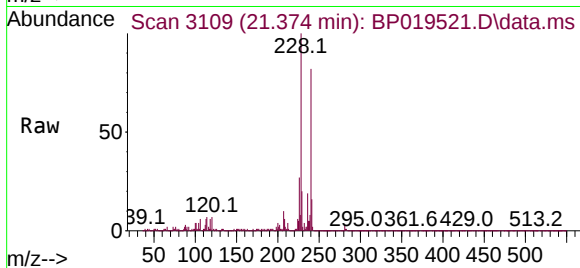
Tgt Ion:228 Resp: 208569

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 20.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 4.146 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

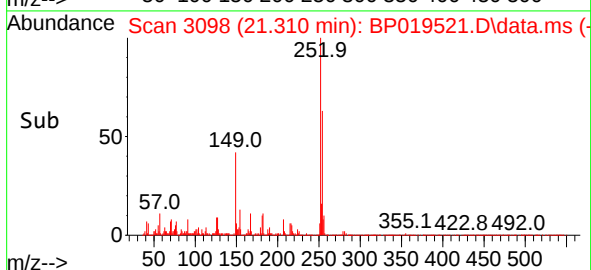
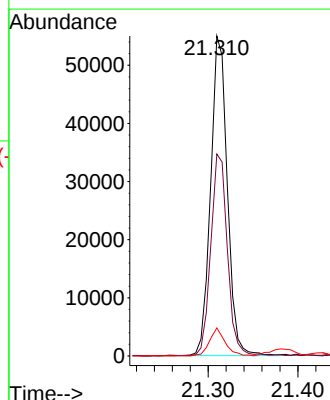
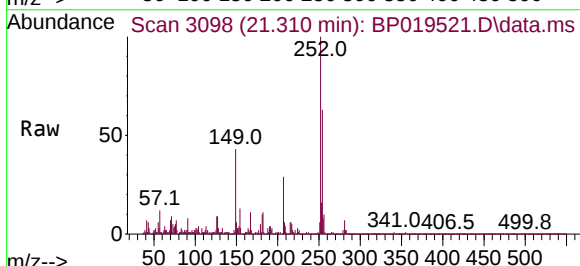
Tgt Ion:252 Resp: 70930

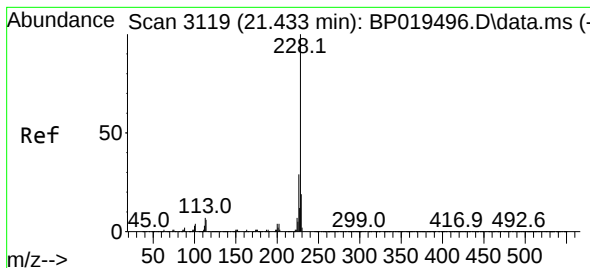
Ion Ratio Lower Upper

252 100

254 63.1 50.7 76.1

126 8.7 6.4 9.6





#83

Chrysene

Concen: 4.233 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

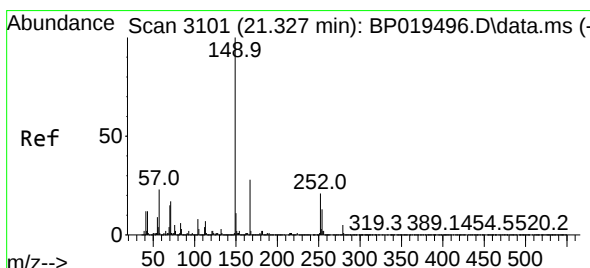
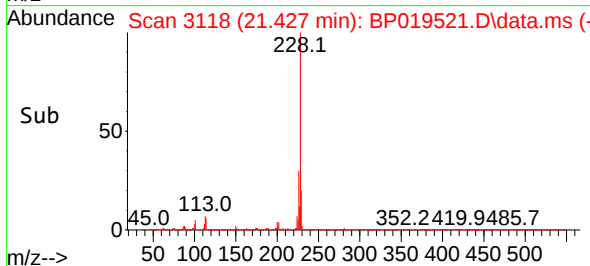
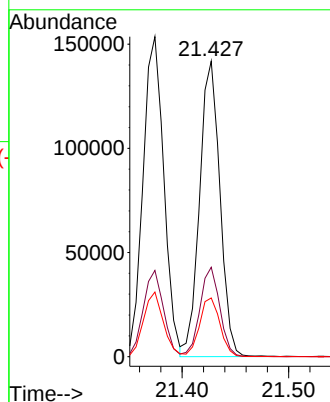
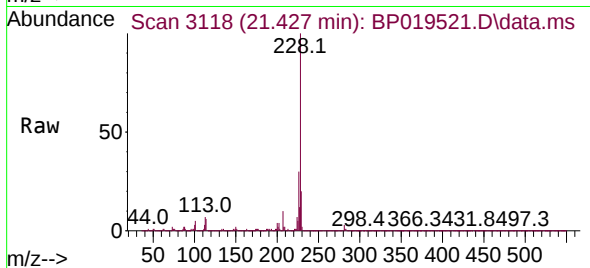
Tgt Ion:228 Resp: 188666

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.065 ng

RT: 21.321 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

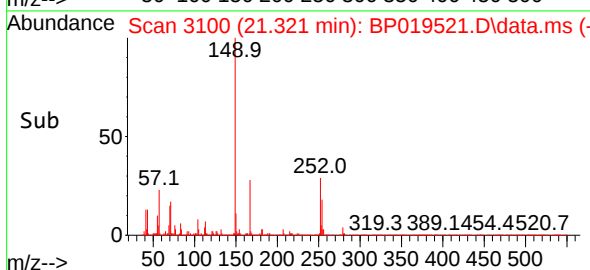
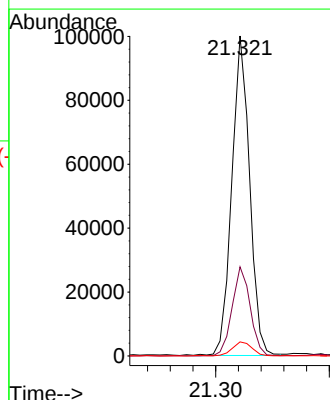
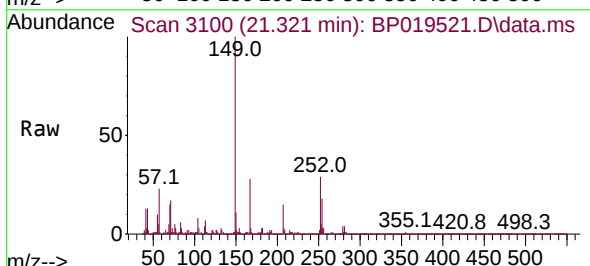
Tgt Ion:149 Resp: 108795

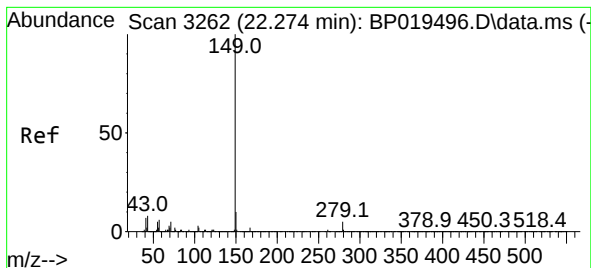
Ion Ratio Lower Upper

149 100

167 27.9 22.7 34.1

279 4.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 3.350 ng

RT: 22.268 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

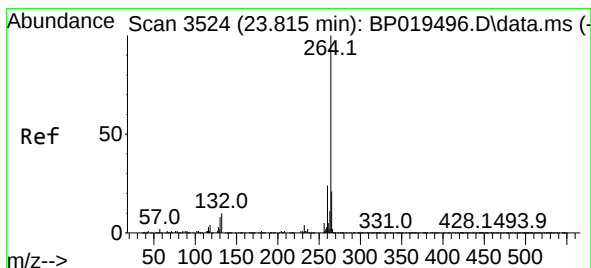
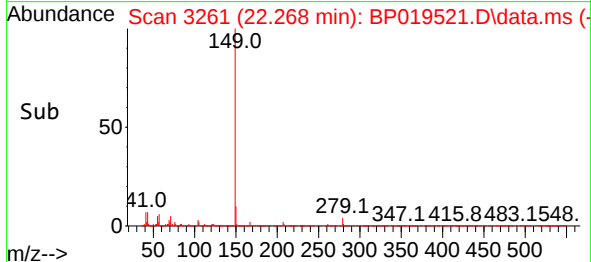
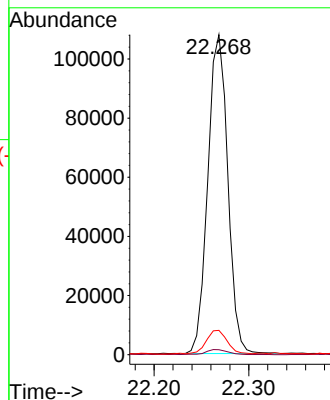
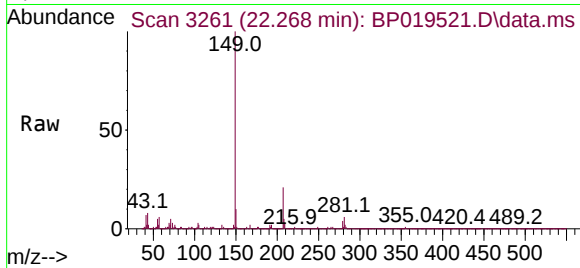
Tgt Ion:149 Resp: 157744

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.9 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: BP019521.D

Acq: 02 Feb 2024 10:56

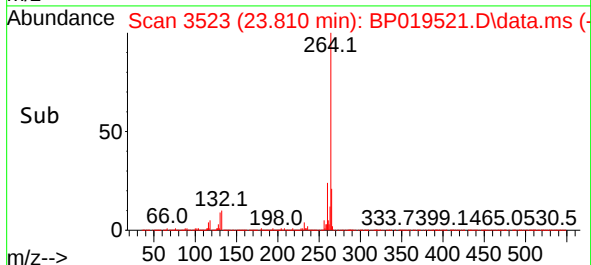
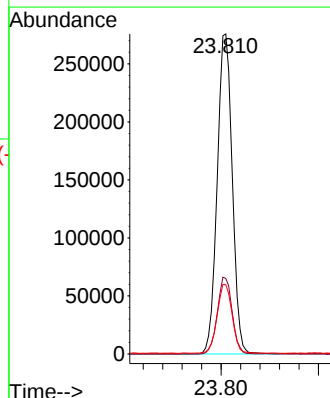
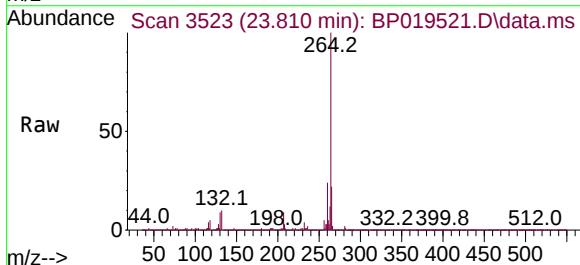
Tgt Ion:264 Resp: 590541

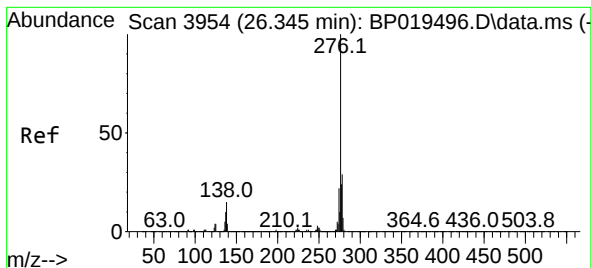
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.577 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

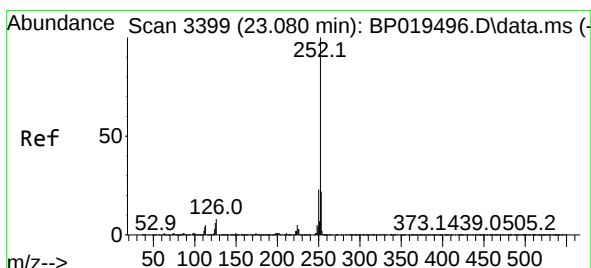
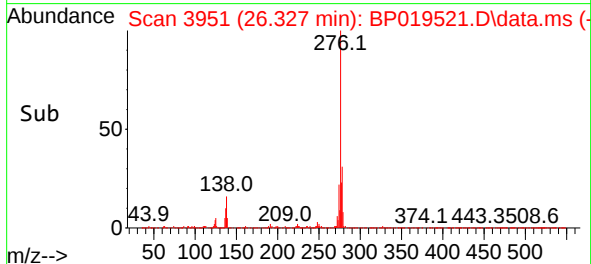
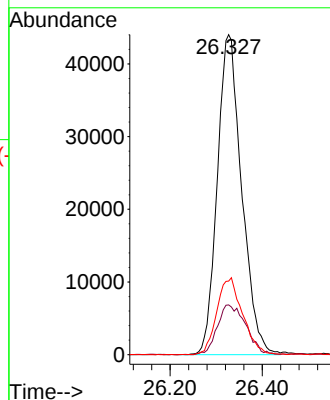
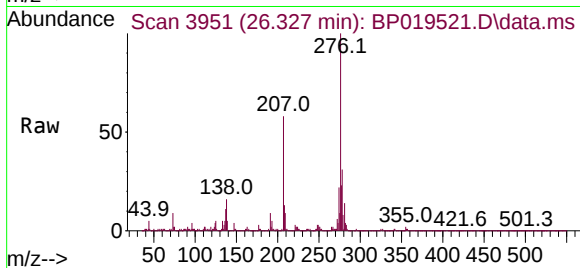
Tgt Ion:276 Resp: 161715

Ion Ratio Lower Upper

276 100

138 18.2 13.1 19.7

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 4.408 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

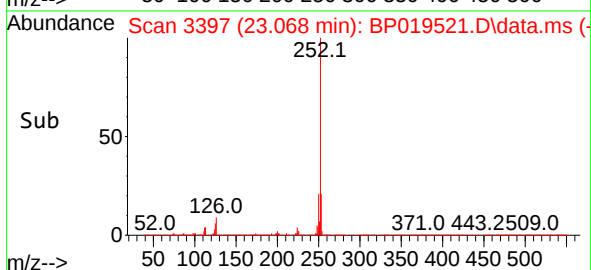
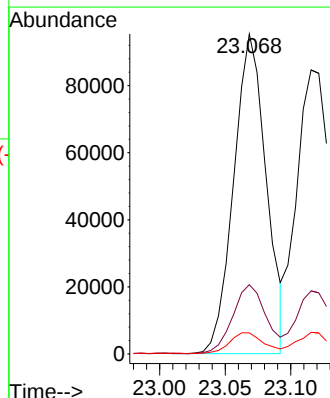
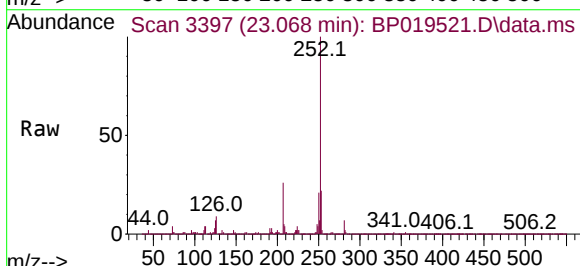
Tgt Ion:252 Resp: 164044

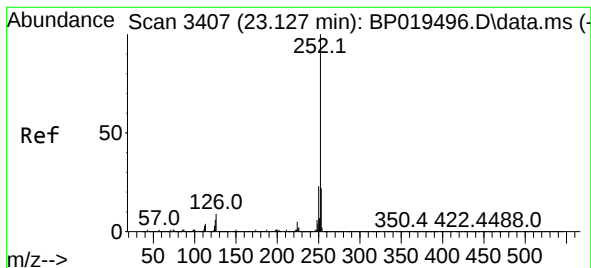
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 6.6 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 4.614 ng

RT: 23.068 min Scan# 31

Delta R.T. -0.059 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

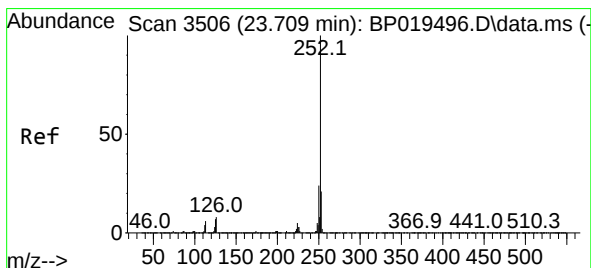
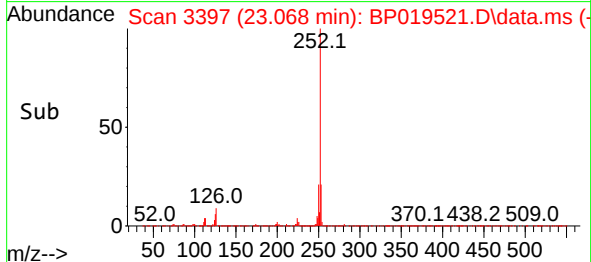
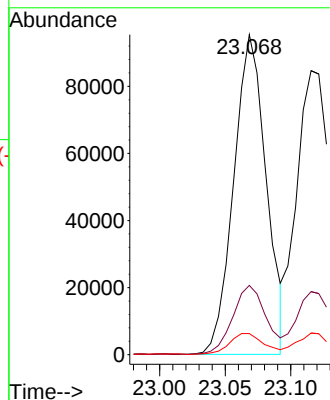
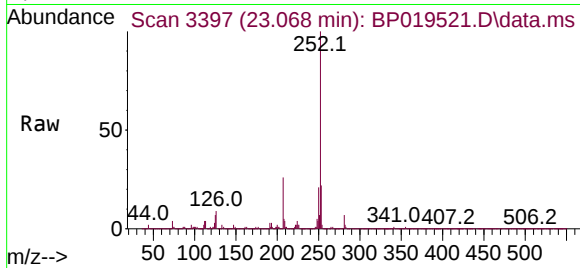
Tgt Ion:252 Resp: 164044

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 6.6 5.0 7.6



#90

Benzo(a)pyrene

Concen: 4.076 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

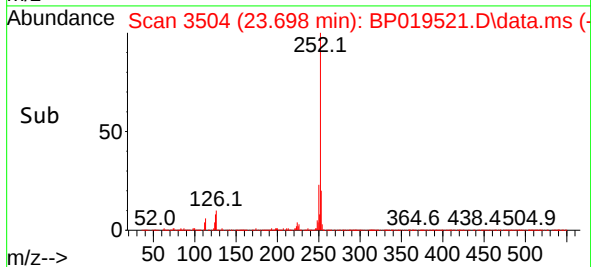
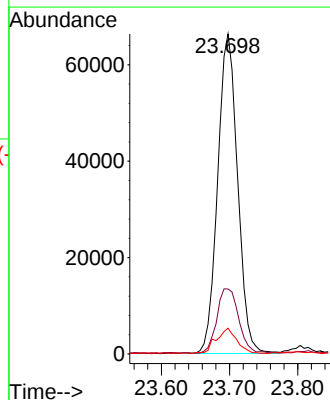
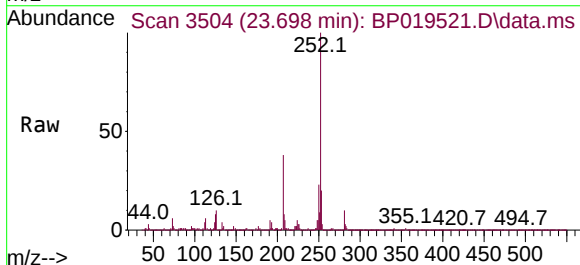
Tgt Ion:252 Resp: 134983

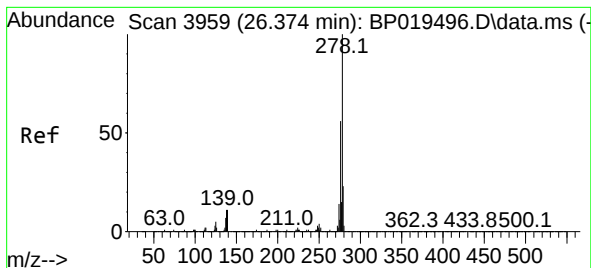
Ion Ratio Lower Upper

252 100

253 20.3 17.1 25.7

125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.680 ng

RT: 26.356 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

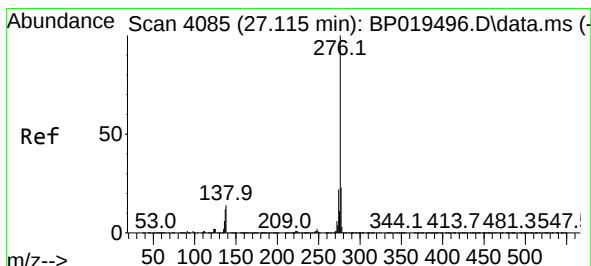
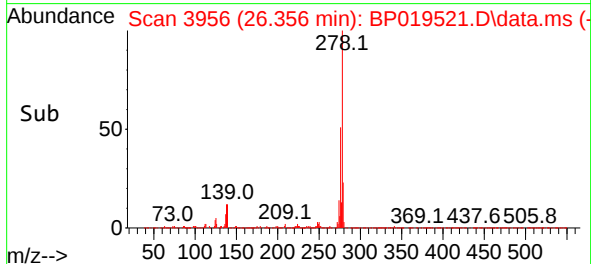
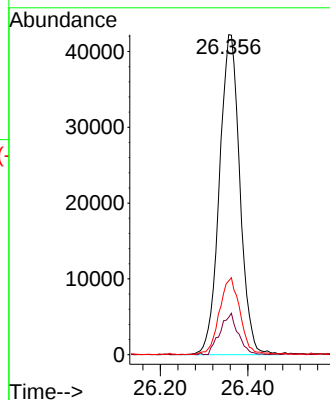
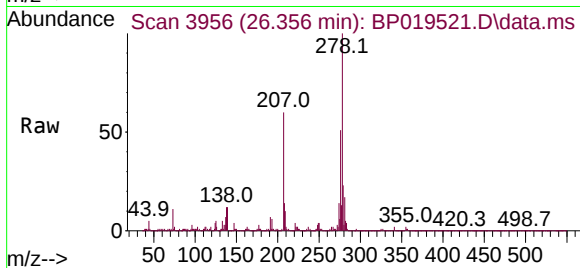
Tgt Ion:278 Resp: 136812

Ion Ratio Lower Upper

278 100

139 11.7 8.6 12.8

279 23.1 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.447 ng

RT: 27.103 min Scan# 4083

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:276 Resp: 130017

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 13.6 10.9 16.3

