

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
 Data File : BP019508.D
 Acq On : 01 Feb 2024 15:06
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-05PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 01 16:22:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	85562	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	338749	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	210318	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	421672	20.000	ng	0.00
76) Chrysene-d12	21.392	240	440839	20.000	ng	0.00
86) Perylene-d12	23.816	264	555464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	449468	84.676	ng	0.00
7) Phenol-d6	7.075	99	581475	81.243	ng	-0.01
23) Nitrobenzene-d5	9.081	82	879472	112.499	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	241422	78.619	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1932081	113.566	ng	0.00
79) Terphenyl-d14	19.875	244	2841186	105.990	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	9843	4.813	ng	98
3) Pyridine	3.793	79	22467	4.052	ng	98
4) n-Nitrosodimethylamine	3.711	42	10093	4.181	ng	# 97
6) Aniline	7.240	93	36121	5.194	ng	99
8) 2-Chlorophenol	7.475	128	23290	4.274	ng	91
9) Benzaldehyde	7.058	77	25312	5.044	ng	96
10) Phenol	7.105	94	31423	4.405	ng	95
11) bis(2-Chloroethyl)ether	7.346	93	24905	4.488	ng	95
12) 1,3-Dichlorobenzene	7.799	146	29007	4.350	ng	96
13) 1,4-Dichlorobenzene	7.946	146	29726	4.400	ng	99
14) 1,2-Dichlorobenzene	8.264	146	28068	4.294	ng	95
15) Benzyl Alcohol	8.158	79	24499	4.284	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.446	45	25097	4.522	ng	99
17) 2-Methylphenol	8.358	107	19604	4.082	ng	97
18) Hexachloroethane	8.981	117	11276	4.306	ng	93
19) n-Nitroso-di-n-propyla...	8.722	70	20420	4.177	ng	# 98
20) 3+4-Methylphenols	8.681	107	28002	4.272	ng	95
22) Acetophenone	8.740	105	41902	4.342	ng	# 98
24) Nitrobenzene	9.122	77	34801	4.421	ng	99
25) Isophorone	9.646	82	55596	4.083	ng	98
26) 2-Nitrophenol	9.828	139	11241	3.745	ng	99
27) 2,4-Dimethylphenol	9.887	122	18899	4.925	ng	96
28) bis(2-Chloroethoxy)met...	10.140	93	32756	4.252	ng	99
29) 2,4-Dichlorophenol	10.363	162	22442	3.869	ng	97
30) 1,2,4-Trichlorobenzene	10.575	180	29425	4.137	ng	98
31) Naphthalene	10.763	128	77609	4.177	ng	99
32) Benzoic acid	9.952	122	10361	2.771	ng	98
33) 4-Chloroaniline	10.881	127	30741	4.474	ng	98
34) Hexachlorobutadiene	11.040	225	21260	4.033	ng	94
35) Caprolactam	11.652	113	5945	3.620	ng	93
36) 4-Chloro-3-methylphenol	11.999	107	25052	3.960	ng	96
37) 2-Methylnaphthalene	12.375	142	52202	4.060	ng	96
38) 1-Methylnaphthalene	12.593	142	50643	4.008	ng	100
40) 1,2,4,5-Tetrachloroben...	12.734	216	35820	4.416	ng	97
41) Hexachlorocyclopentadiene	12.704	237	19833	5.413	ng	96
43) 2,4,6-Trichlorophenol	12.981	196	19411	3.952	ng	98

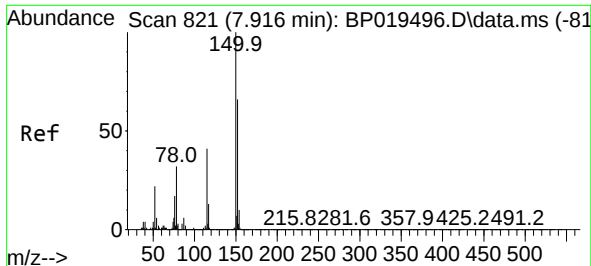
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	20994	3.893	ng	96
46) 1,1'-Biphenyl	13.387	154	71696	4.271	ng	98
47) 2-Chloronaphthalene	13.428	162	57895	4.202	ng	96
48) 2-Nitroaniline	13.634	65	14048	3.646	ng	96
49) Acenaphthylene	14.269	152	86741	4.487	ng	98
50) Dimethylphthalate	14.016	163	67643	4.201	ng	99
51) 2,6-Dinitrotoluene	14.134	165	13048	3.689	ng	98
52) Acenaphthene	14.610	154	49955	4.163	ng	100
53) 3-Nitroaniline	14.463	138	12065	3.711	ng	# 87
54) 2,4-Dinitrophenol	14.669	184	5137	2.797	ng	98
55) Dibenzofuran	14.946	168	83382	4.267	ng	98
56) 4-Nitrophenol	14.763	139	9169	3.441	ng	92
57) 2,4-Dinitrotoluene	14.916	165	15377	3.317	ng	# 91
58) Fluorene	15.598	166	63691	4.092	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.169	232	17472	3.851	ng	98
60) Diethylphthalate	15.381	149	62430	3.898	ng	100
61) 4-Chlorophenyl-phenyle...	15.598	204	35945	4.109	ng	95
62) 4-Nitroaniline	15.622	138	11718	3.439	ng	94
63) Azobenzene	15.893	77	60646	3.916	ng	98
65) 4,6-Dinitro-2-methylph...	15.675	198	7548	3.139	ng	92
66) n-Nitrosodiphenylamine	15.816	169	53005	4.197	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	21773	4.130	ng	97
68) Hexachlorobenzene	16.593	284	26223	4.260	ng	97
69) Atrazine	16.775	200	19789	4.722	ng	94
70) Pentachlorophenol	16.945	266	12723	3.319	ng	92
71) Phenanthrene	17.345	178	96346	4.342	ng	98
72) Anthracene	17.440	178	93175	4.209	ng	99
73) Carbazole	17.710	167	81130	4.034	ng	98
74) Di-n-butylphthalate	18.281	149	97324	4.002	ng	100
75) Fluoranthene	19.316	202	109148	4.026	ng	97
77) Benzidine	19.504	184	60443	6.558	ng	98
78) Pyrene	19.663	202	113923	3.662	ng	98
80) Butylbenzylphthalate	20.557	149	42732	3.678	ng	94
81) Benzo(a)anthracene	21.381	228	128750	4.149	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	49456	4.374	ng	# 99
83) Chrysene	21.433	228	121113	4.111	ng	99
84) Bis(2-ethylhexyl)phtha...	21.328	149	73345	4.146	ng	99
85) Di-n-octyl phthalate	22.275	149	129408	4.157	ng	100
87) Indeno(1,2,3-cd)pyrene	26.345	276	172363	4.054	ng	99
88) Benzo(b)fluoranthene	23.127	252	137400	3.925	ng	98
89) Benzo(k)fluoranthene	23.127	252	137400	4.109	ng	98
90) Benzo(a)pyrene	23.710	252	123739	3.972	ng	98
91) Dibenzo(a,h)anthracene	26.374	278	141151	4.036	ng	96
92) Benzo(g,h,i)perylene	27.115	276	136035	3.834	ng	98

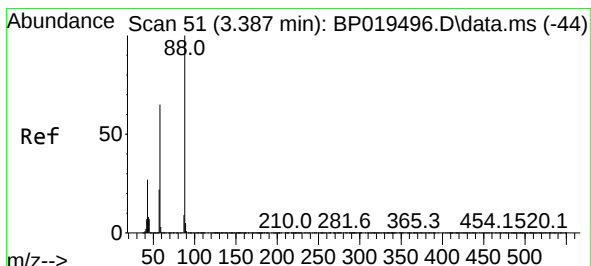
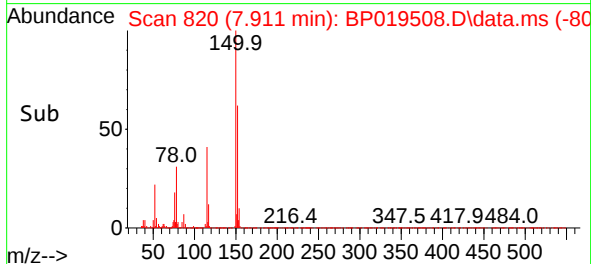
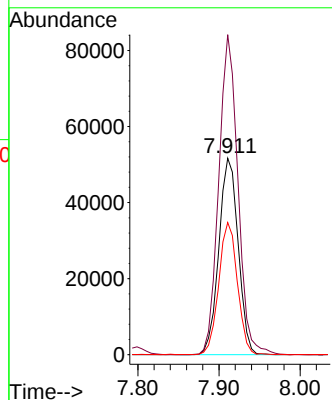
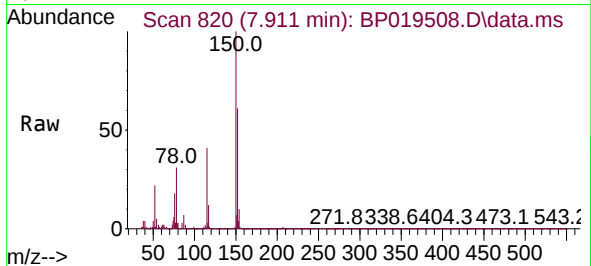
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.911 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP019508.D
 Acq: 01 Feb 2024 15:06

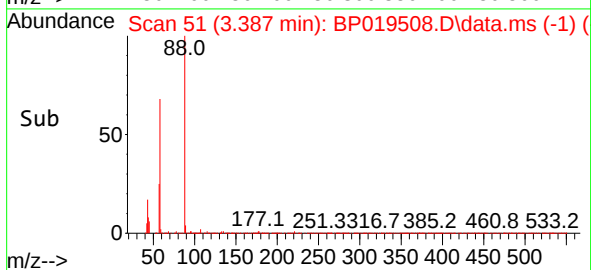
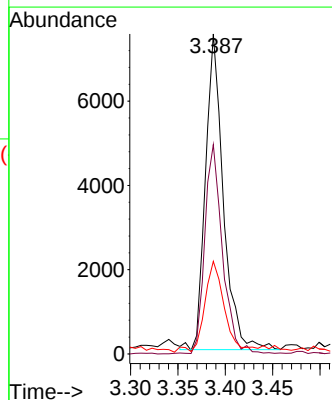
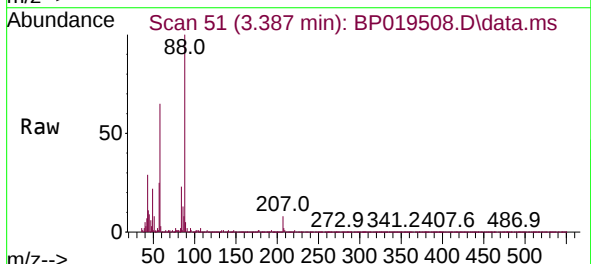
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

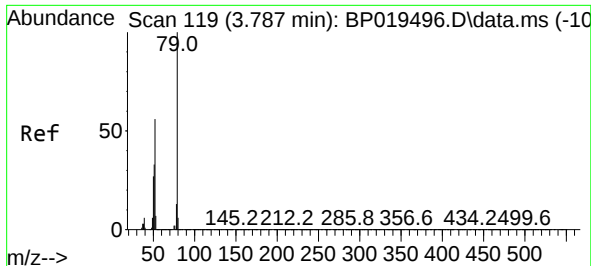
Tgt Ion:152 Resp: 85562
 Ion Ratio Lower Upper
 152 100
 150 162.9 121.8 182.8
 115 67.3 49.9 74.9



#2
 1,4-Dioxane
 Concen: 4.813 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BP019508.D
 Acq: 01 Feb 2024 15:06

Tgt Ion: 88 Resp: 9843
 Ion Ratio Lower Upper
 88 100
 58 65.9 52.6 78.8
 43 31.2 21.9 32.9





#3

Pyridine

Concen: 4.052 ng

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019508.D

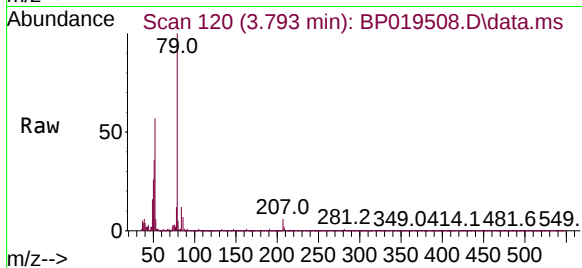
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Instrument :

BNA_P

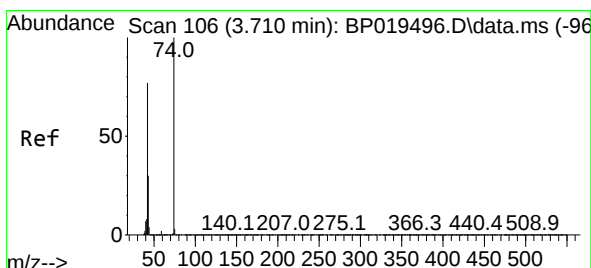
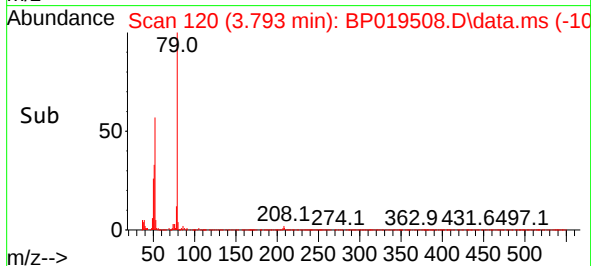
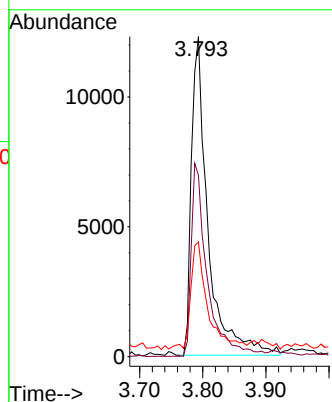
ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion: 79 Resp: 22467

Ion	Ratio	Lower	Upper
79	100		
52	56.7	45.0	67.6
51	35.8	26.8	40.2



#4

n-Nitrosodimethylamine

Concen: 4.181 ng

RT: 3.711 min Scan# 106

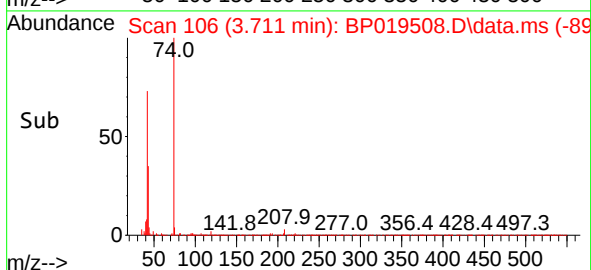
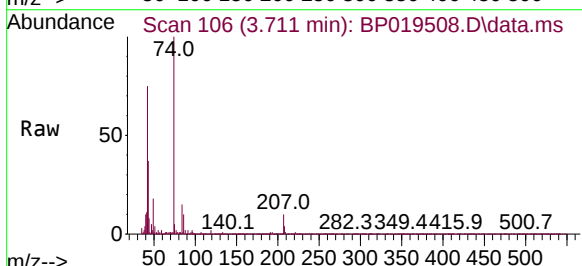
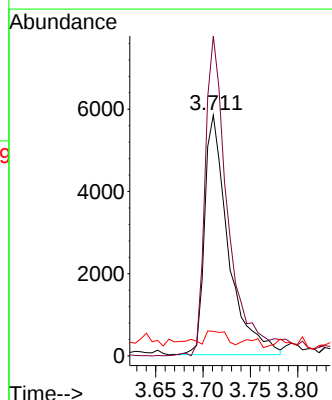
Delta R.T. 0.000 min

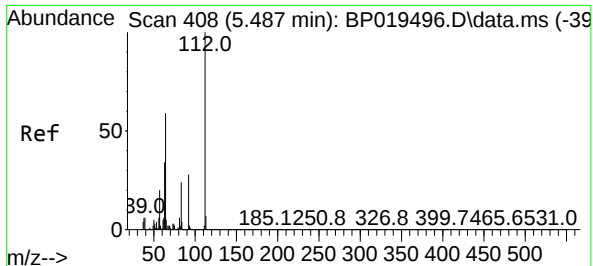
Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Tgt Ion: 42 Resp: 10093

Ion	Ratio	Lower	Upper
42	100		
74	132.9	103.4	155.2
44	10.2	4.8	7.2

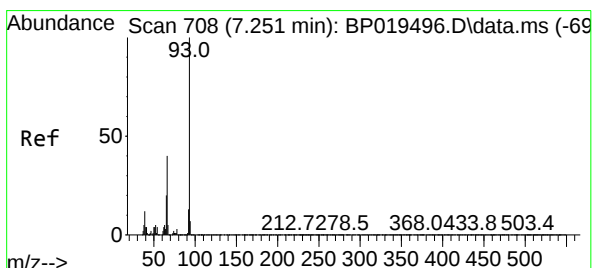
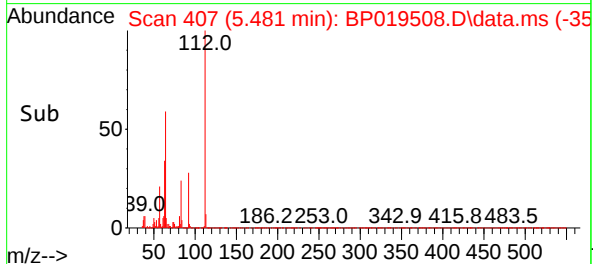
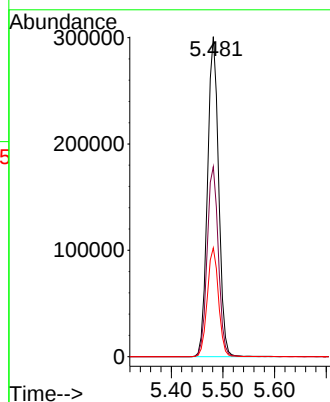
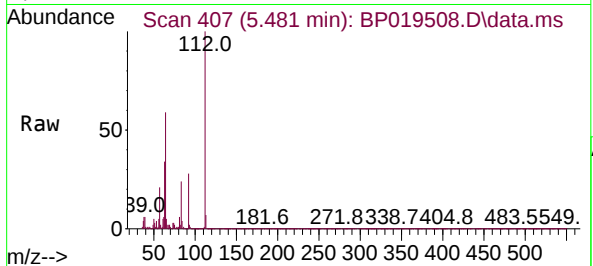




#5
2-Fluorophenol
Concen: 84.676 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

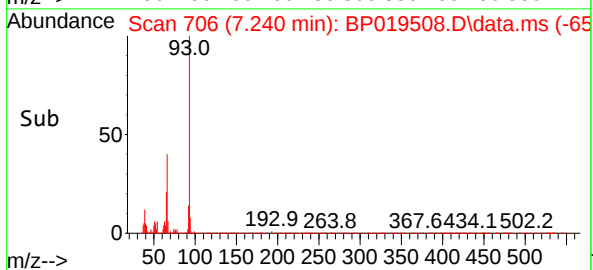
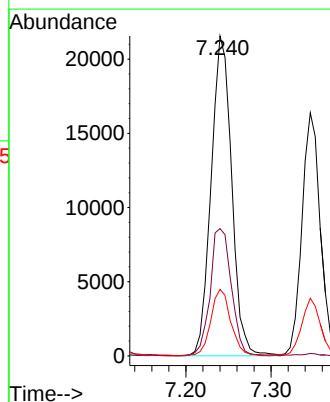
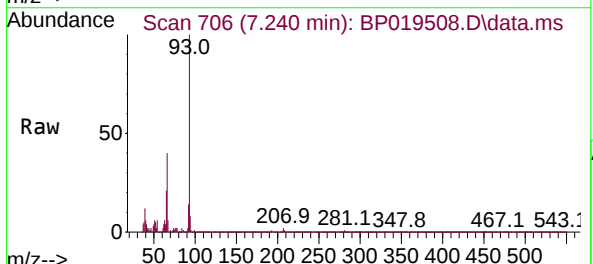
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:112 Resp: 449468
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 34.0 27.0 40.6



#6
Aniline
Concen: 5.194 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 93 Resp: 36121
Ion Ratio Lower Upper
93 100
66 39.8 32.3 48.5
65 20.8 16.4 24.6

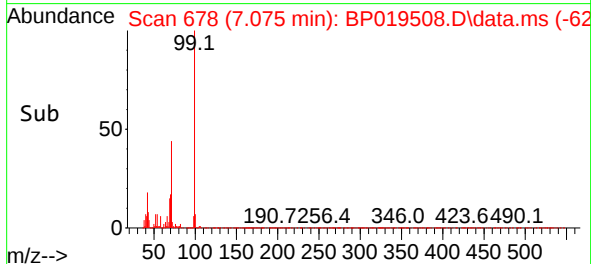
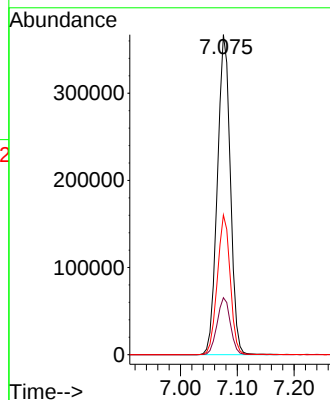
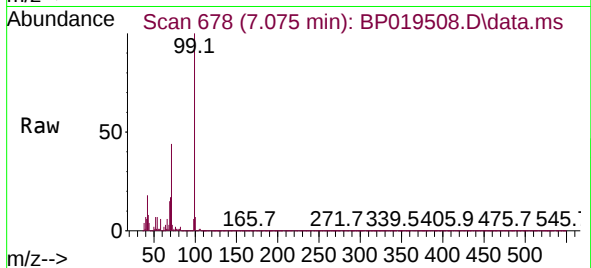




#7
Phenol-d6
Concen: 81.243 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

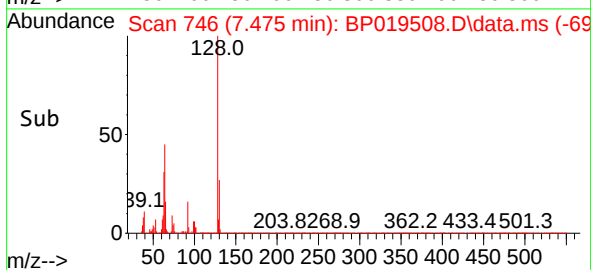
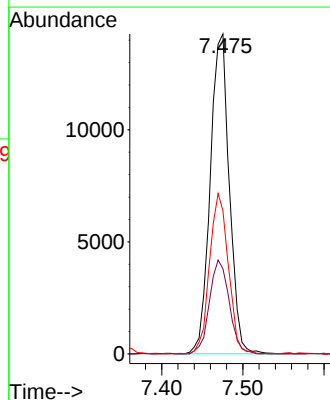
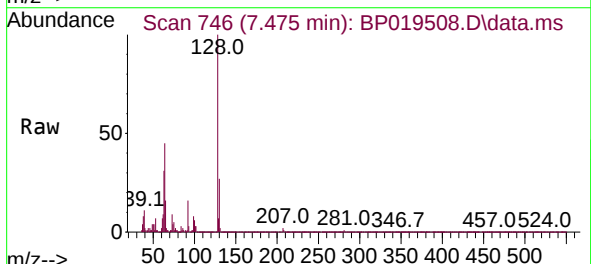
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ClientSampleId :
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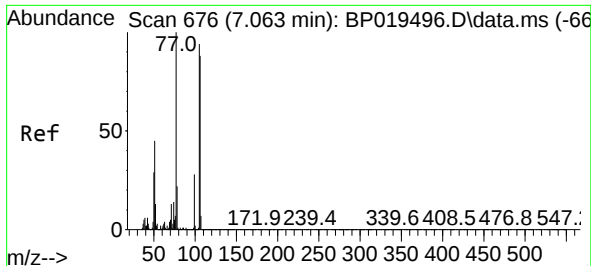
Tgt Ion: 99 Resp: 581475
Ion Ratio Lower Upper
99 100
42 17.8 14.7 22.1
71 43.7 34.8 52.2



#8
2-Chlorophenol
Concen: 4.274 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 128 Resp: 23290
Ion Ratio Lower Upper
128 100
130 26.6 13.3 53.3
64 44.8 29.7 69.7

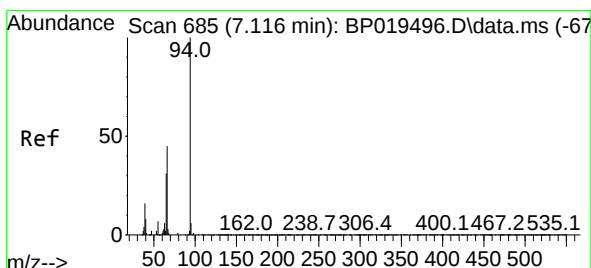
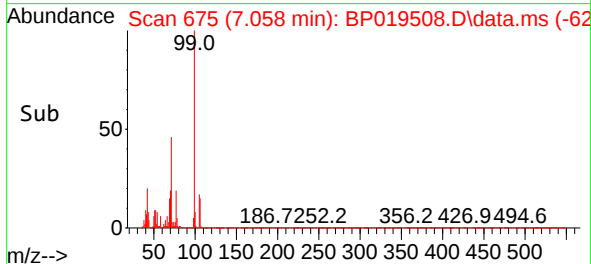
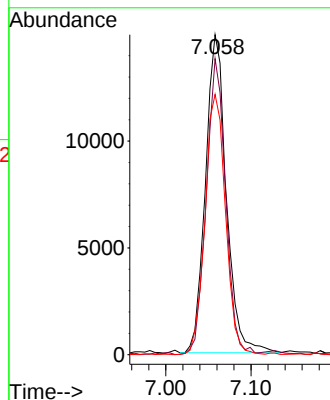
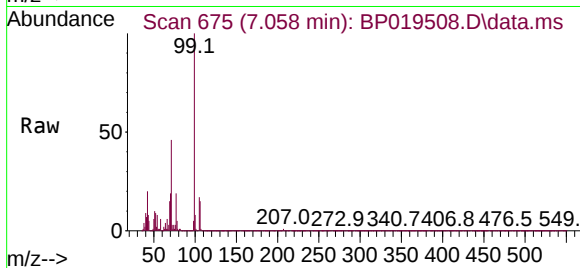




#9
Benzaldehyde
Concen: 5.044 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

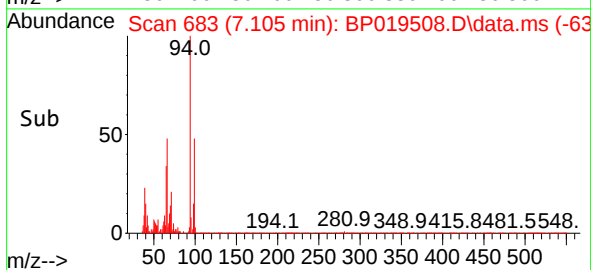
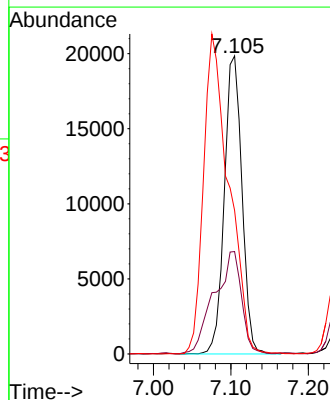
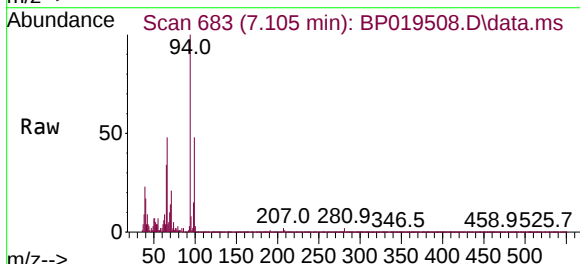
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

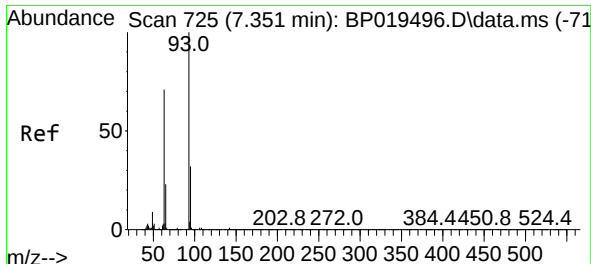
Tgt Ion: 77 Resp: 25312
Ion Ratio Lower Upper
77 100
105 92.5 74.0 114.0
106 81.4 67.8 107.8



#10
Phenol
Concen: 4.405 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 94 Resp: 31423
Ion Ratio Lower Upper
94 100
65 34.3 11.3 51.3
66 48.2 25.1 65.1

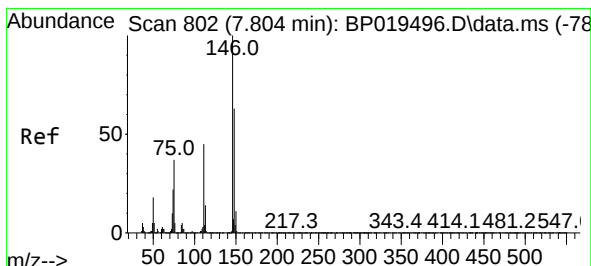
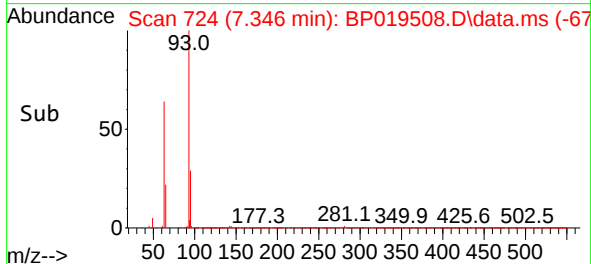
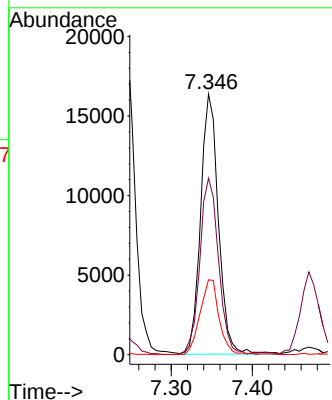
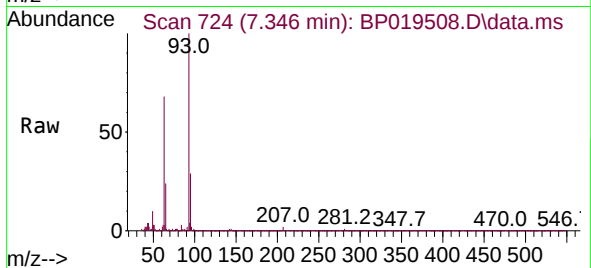




#11
bis(2-Chloroethyl)ether
Concen: 4.488 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

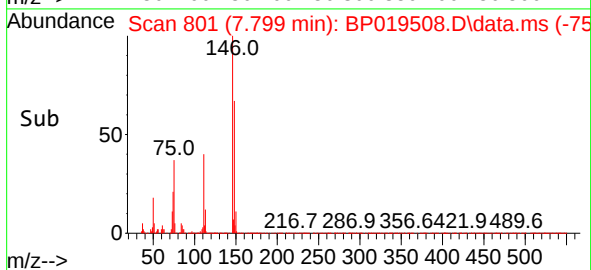
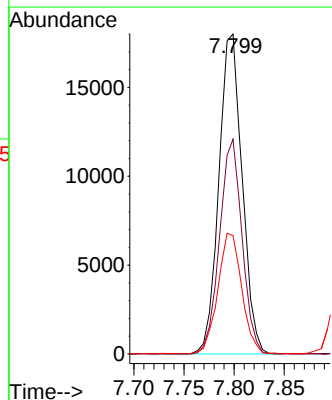
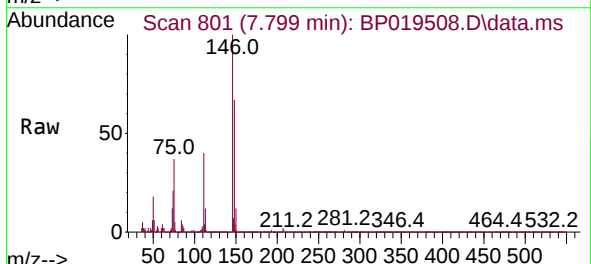
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 93	Resp: 24905
Ion Ratio	Lower Upper
93 100	
63 67.7	51.2 91.2
95 28.7	11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.350 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:146	Resp:	29007	
Ion	Ratio	Lower	Upper
146	100		
148	67.1	50.4	75.6
75	37.0	29.9	44.9

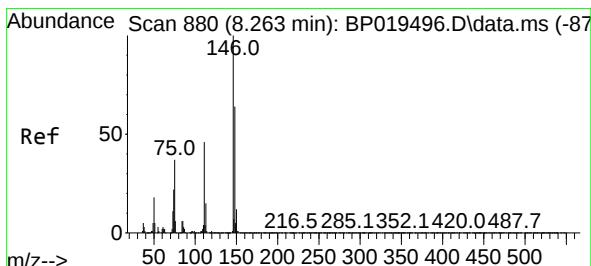
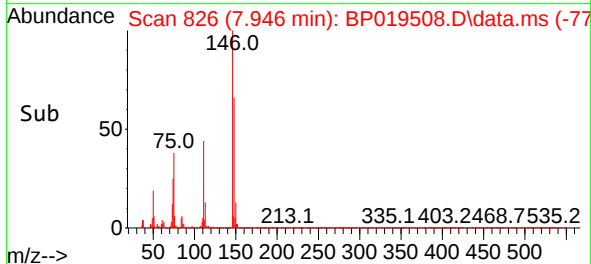
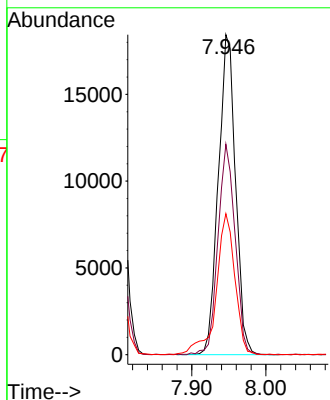
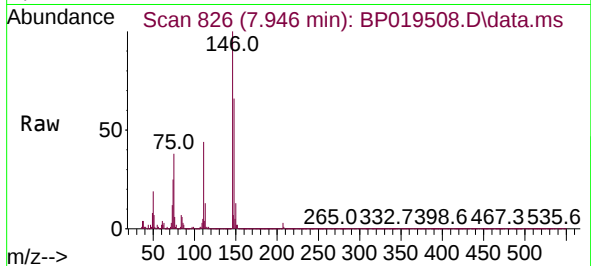




#13
1,4-Dichlorobenzene
Concen: 4.400 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

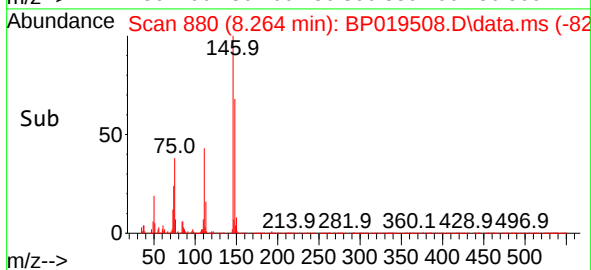
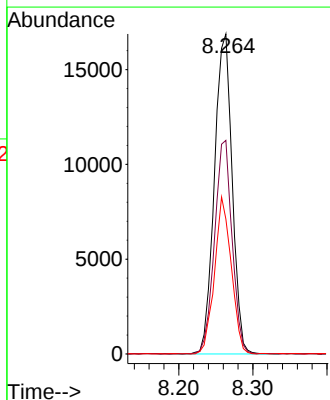
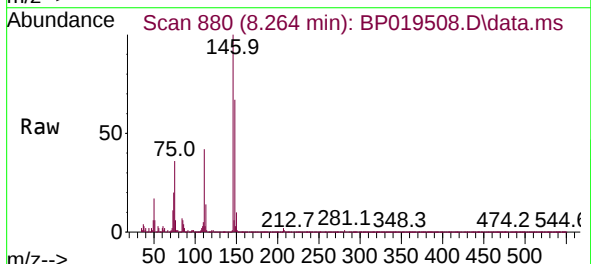
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

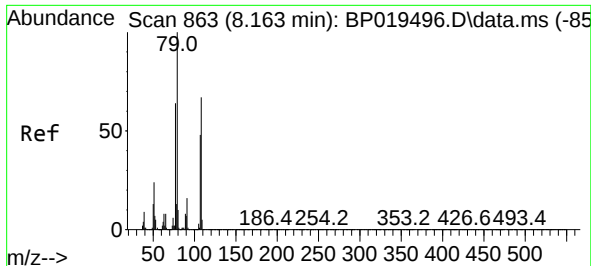
Tgt Ion:146 Resp: 29726
Ion Ratio Lower Upper
146 100
148 65.8 51.9 77.9
111 44.0 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 4.294 ng
RT: 8.264 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:146 Resp: 28068
Ion Ratio Lower Upper
146 100
148 66.8 51.4 77.0
111 42.2 37.0 55.6

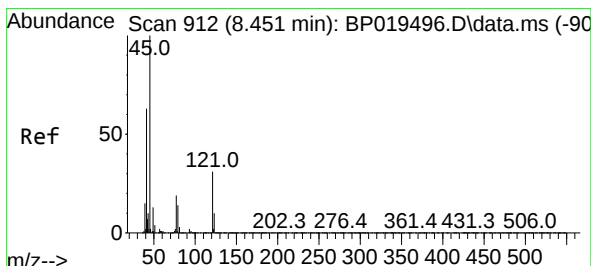
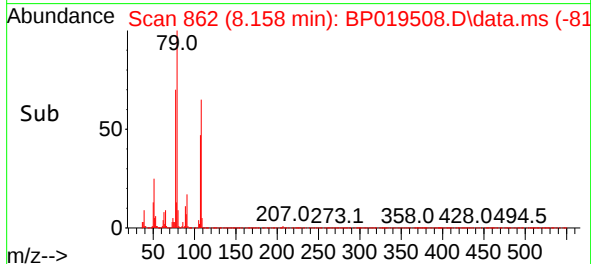
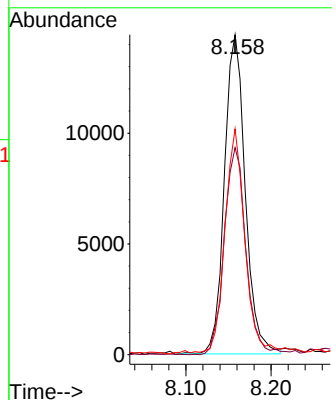
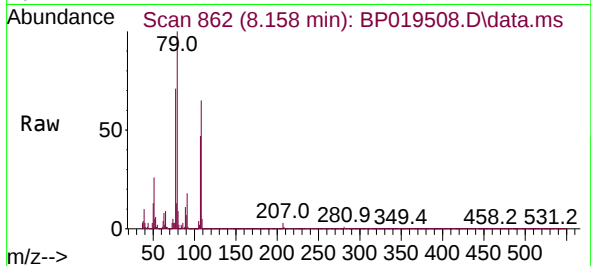




#15
Benzyl Alcohol
Concen: 4.284 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

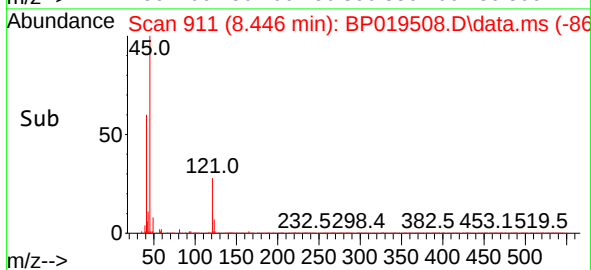
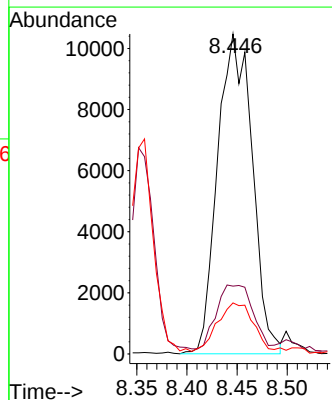
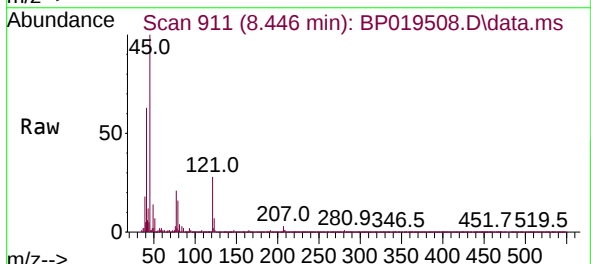
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

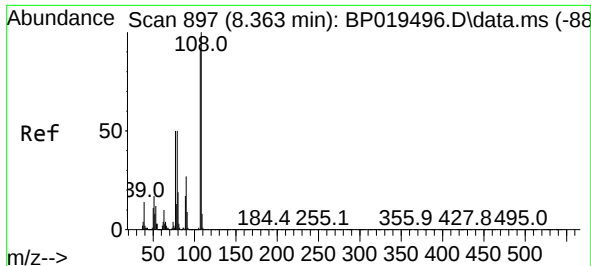
Tgt Ion: 79 Resp: 24499
Ion Ratio Lower Upper
79 100
108 64.7 53.8 80.6
77 70.6 51.3 76.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.522 ng
RT: 8.446 min Scan# 911
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 45 Resp: 25097
Ion Ratio Lower Upper
45 100
77 21.2 0.8 40.8
79 15.9 0.0 35.5

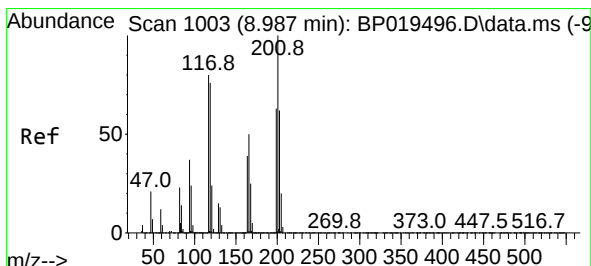
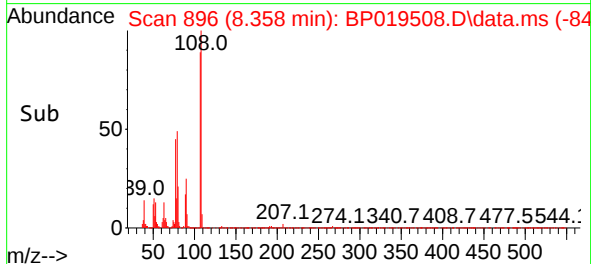
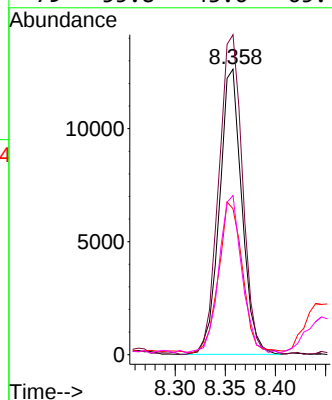
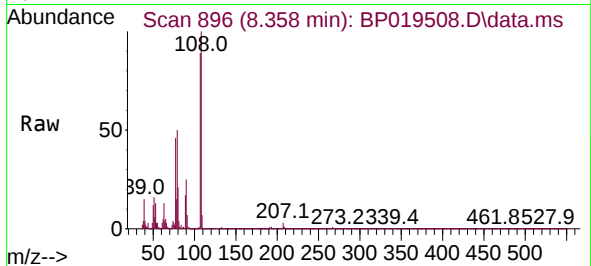




#17
2-Methylphenol
Concen: 4.082 ng
RT: 8.358 min Scan# 896
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

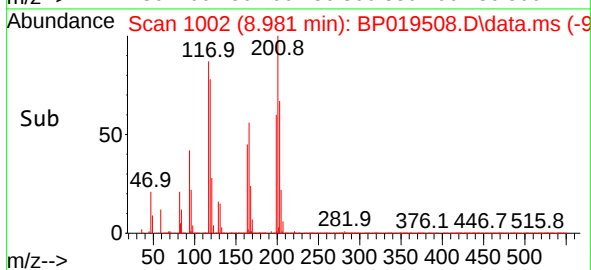
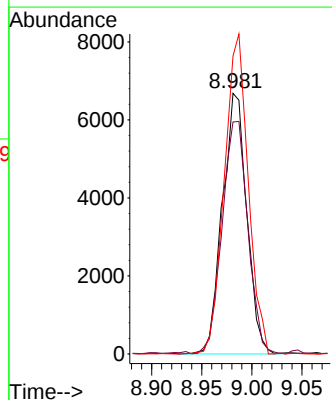
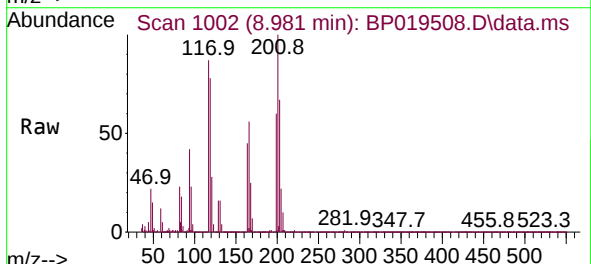
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

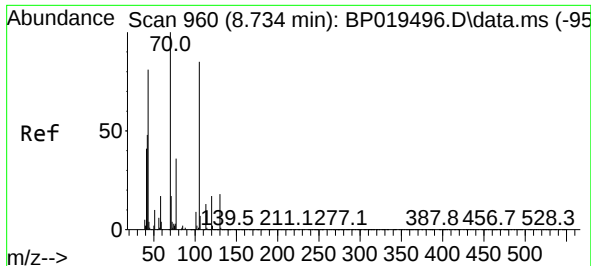
Tgt Ion:	107	Resp:	19604
Ion	Ratio	Lower	Upper
107	100		
108	112.1	87.0	130.6
77	51.1	43.5	65.3
79	55.8	43.6	65.4



#18
Hexachloroethane
Concen: 4.306 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	117	Resp:	11276
Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.5	113.3
201	114.3	99.4	149.2

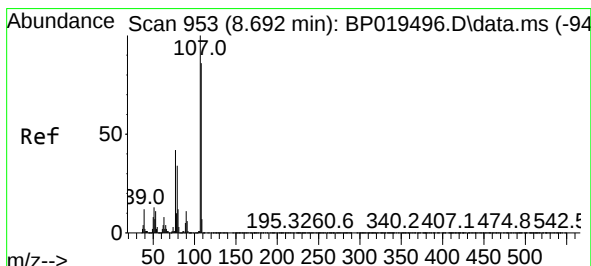
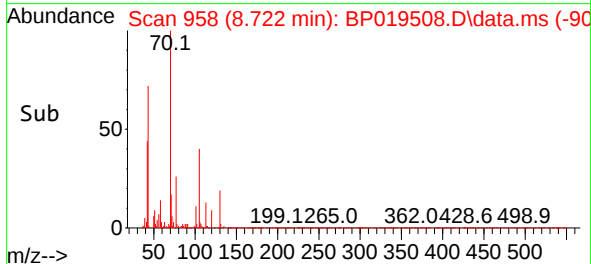
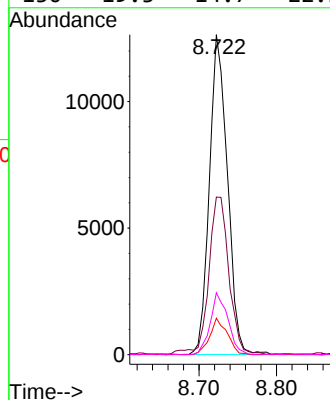
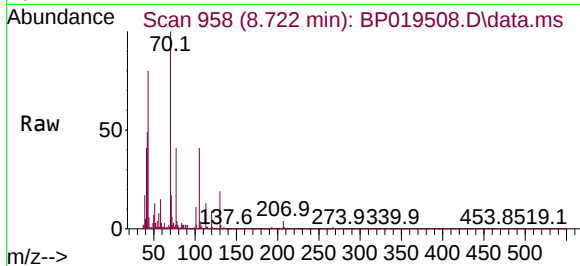




#19
n-Nitroso-di-n-propylamine
Concen: 4.177 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

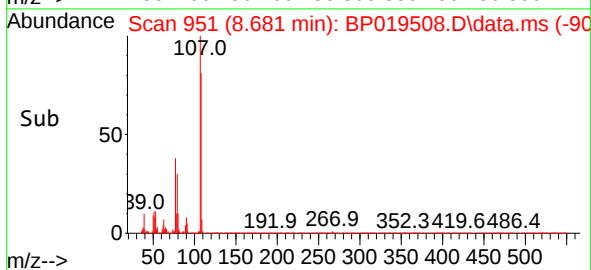
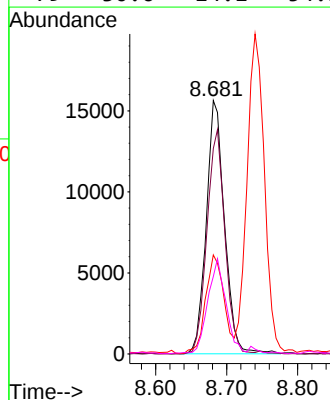
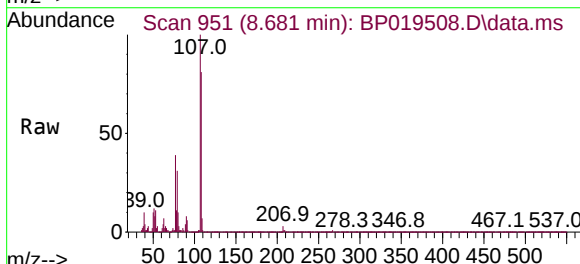
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

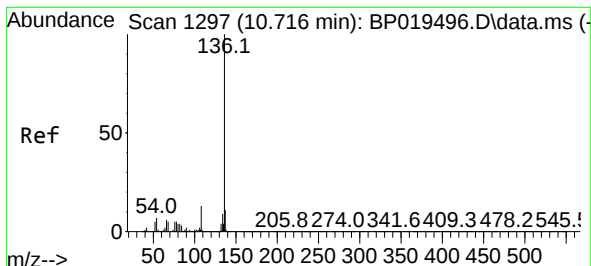
Tgt Ion: 70	Resp:	20420
Ion	Ratio	Lower Upper
70	100	
42	49.3	39.2 58.8
101	11.4	7.3 10.9
130	19.3	14.7 22.1



#20
3+4-Methylphenols
Concen: 4.272 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 107	Resp:	28002
Ion	Ratio	Lower Upper
107	100	
108	81.1	65.5 105.5
77	39.1	21.8 61.8
79	30.6	14.1 54.1

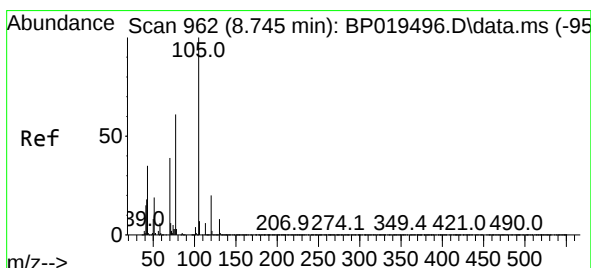
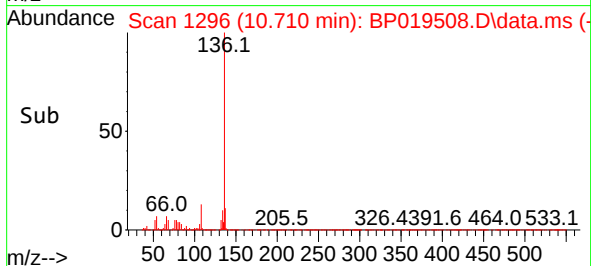
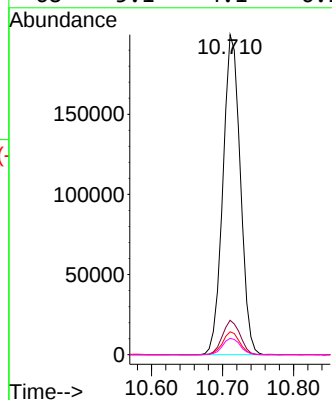
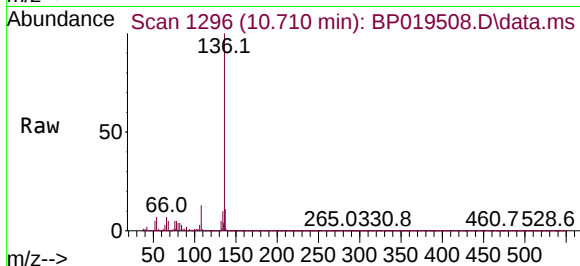




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

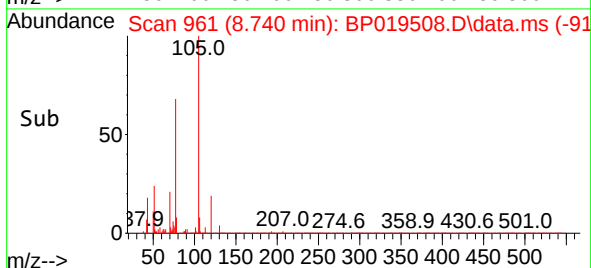
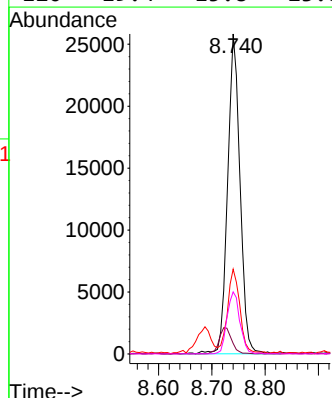
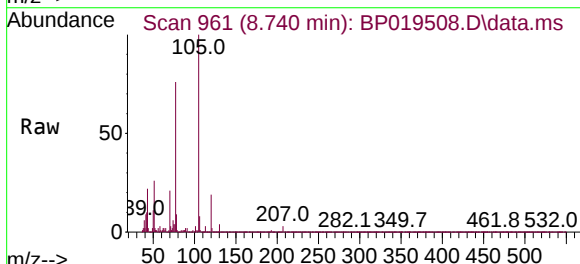
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:	136	Resp:	338749
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.1	5.3	7.9
68	5.1	4.1	6.1



#22
Acetophenone
Concen: 4.342 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	105	Resp:	41902
Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.9	7.3
51	26.5	20.7	31.1
120	19.4	15.8	23.8

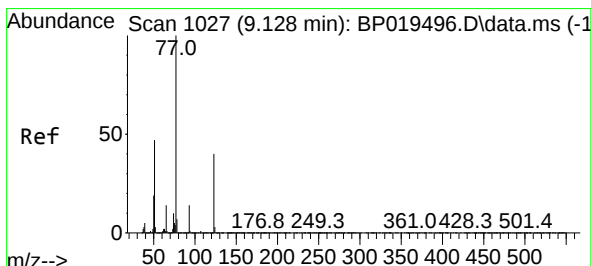
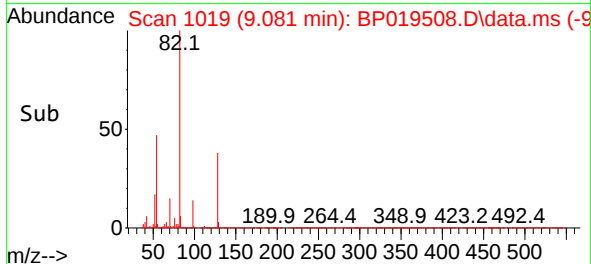
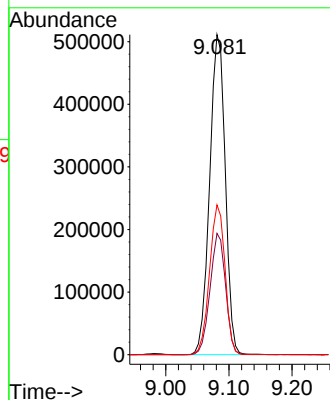
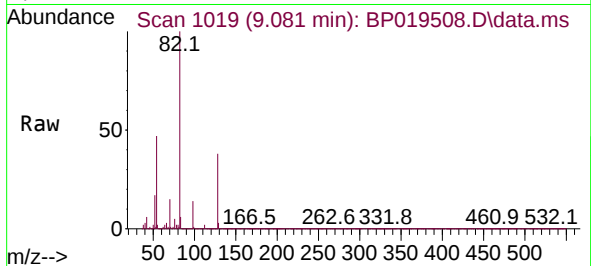




#23
Nitrobenzene-d5
Concen: 112.499 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

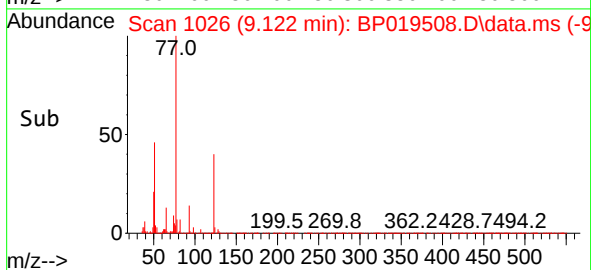
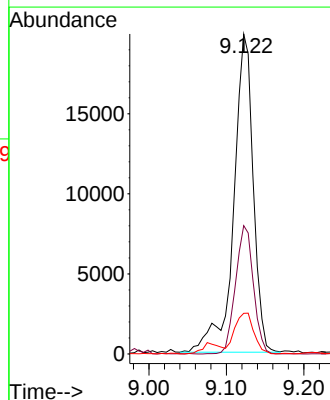
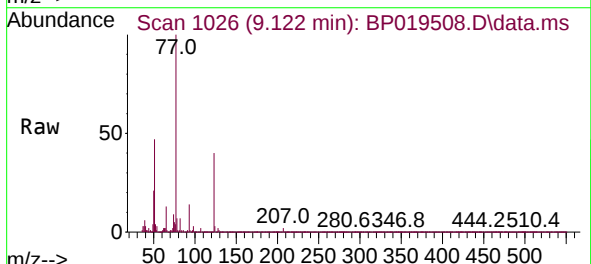
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

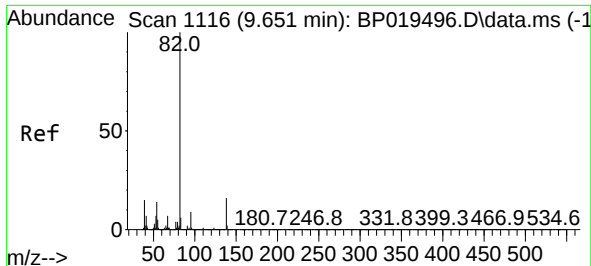
Tgt Ion: 82 Resp: 879472
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 46.8 36.8 55.2



#24
Nitrobenzene
Concen: 4.421 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 77 Resp: 34801
Ion Ratio Lower Upper
77 100
123 40.1 32.3 48.5
65 12.7 11.6 17.4

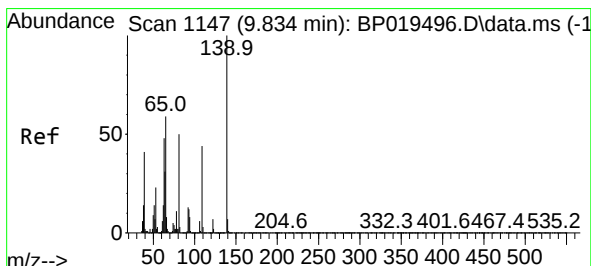
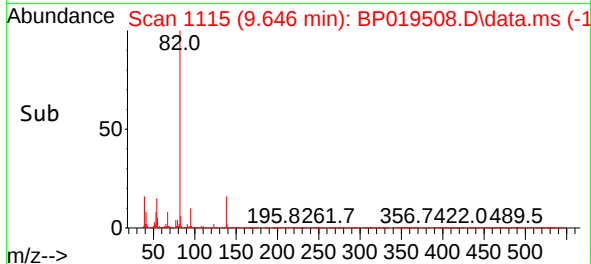
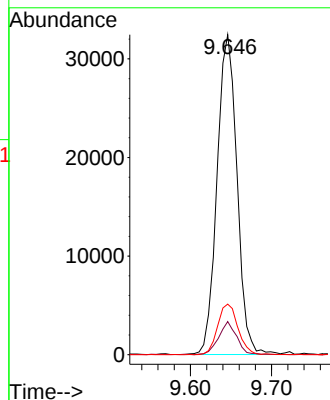
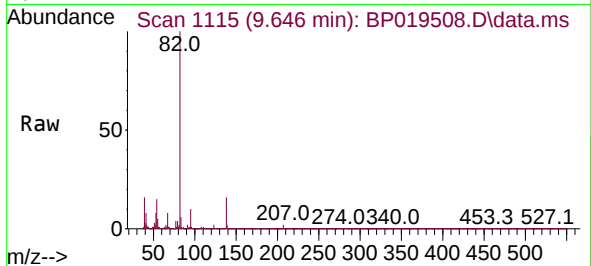




#25
Isophorone
Concen: 4.083 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

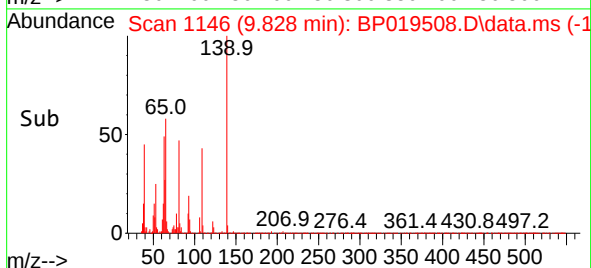
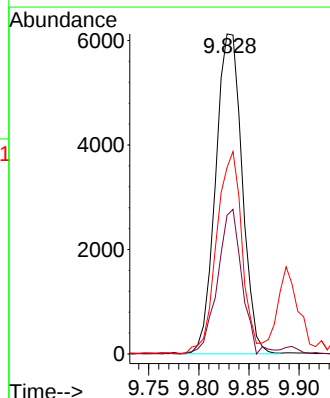
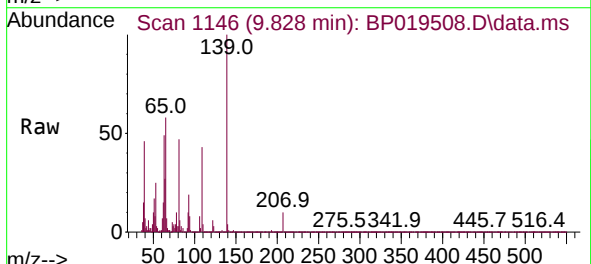
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 82	Resp: 55596
Ion Ratio	Lower Upper
82 100	
95 10.3	7.0 10.4
138 15.8	13.1 19.7



#26
2-Nitrophenol
Concen: 3.745 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion: 139	Resp: 11241
Ion Ratio	Lower Upper
139 100	
109 43.3	34.9 52.3
65 58.3	47.5 71.3





#27

2,4-Dimethylphenol

Concen: 4.925 ng

RT: 9.887 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BP019508.D

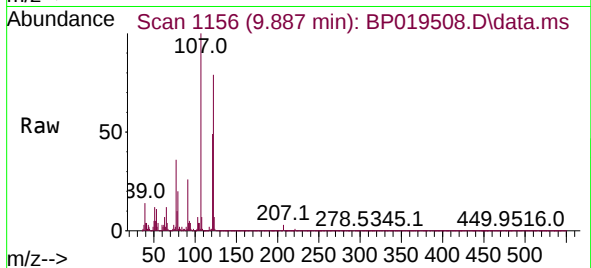
Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023



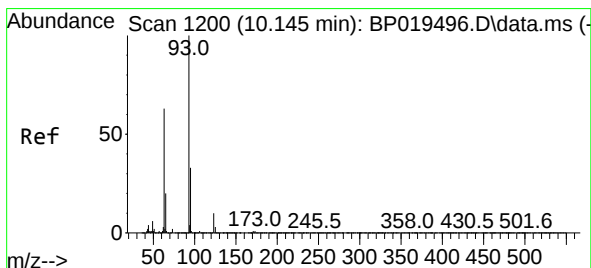
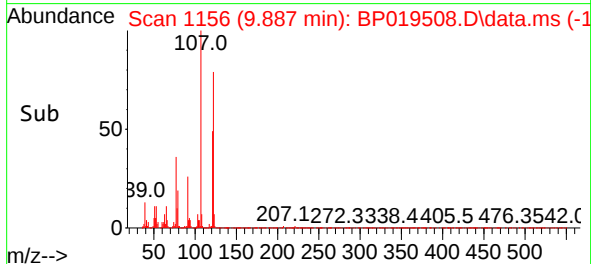
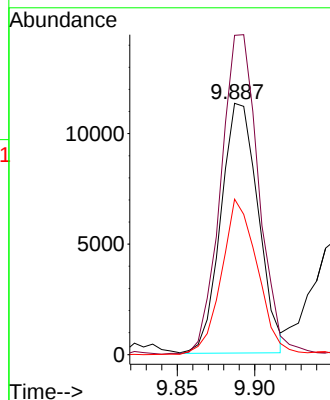
Tgt Ion:122 Resp: 18899

Ion Ratio Lower Upper

122 100

107 127.0 105.9 158.9

121 61.9 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 4.252 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

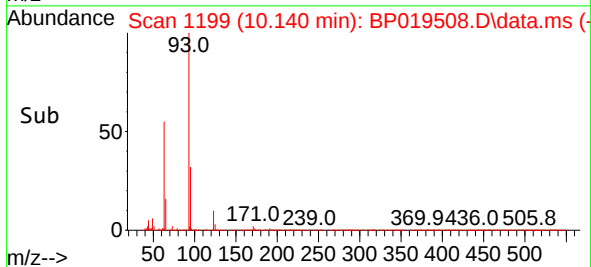
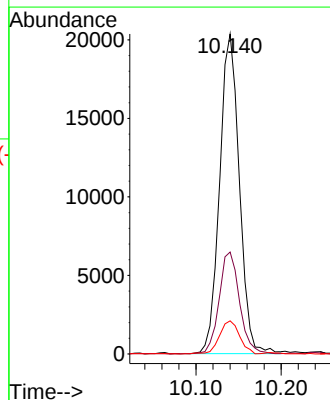
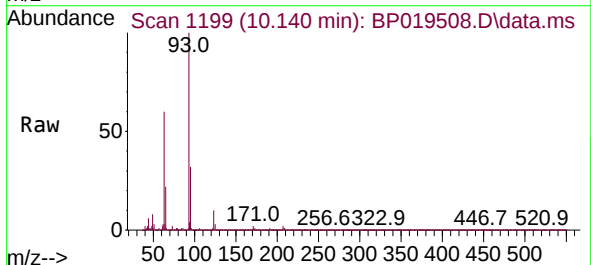
Tgt Ion: 93 Resp: 32756

Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

123 10.3 8.5 12.7

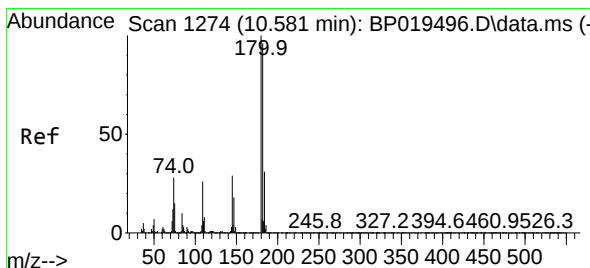
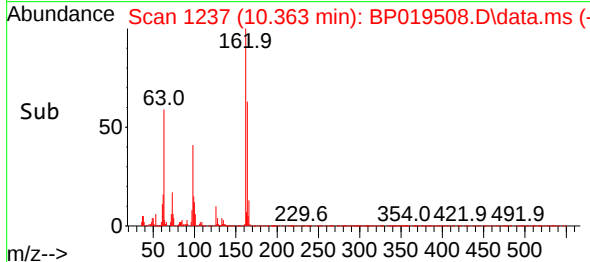
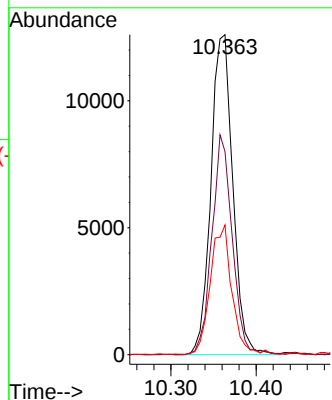
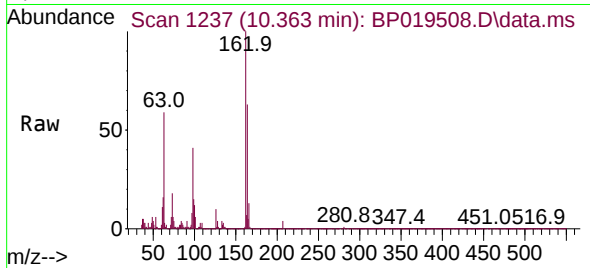




#29
2,4-Dichlorophenol
Concen: 3.869 ng
RT: 10.363 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

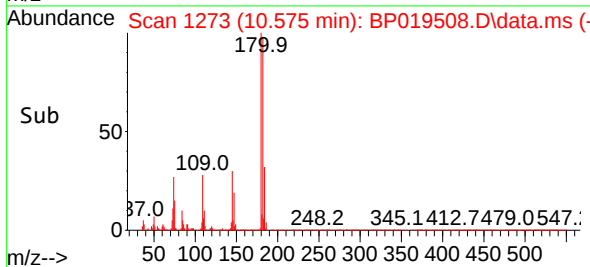
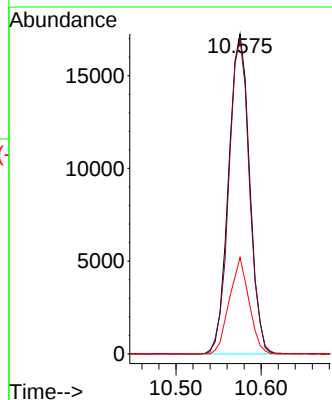
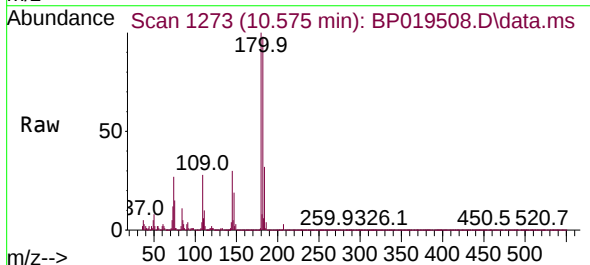
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

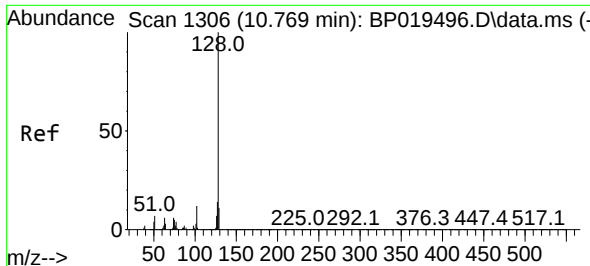
Tgt Ion:162	Resp:	22442
Ion Ratio	Lower	Upper
162	100	
164	63.5	46.0 86.0
98	40.6	18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 4.137 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:180	Resp:	29425
Ion Ratio	Lower	Upper
180	100	
182	98.4	77.0 115.6
145	30.1	23.2 34.8

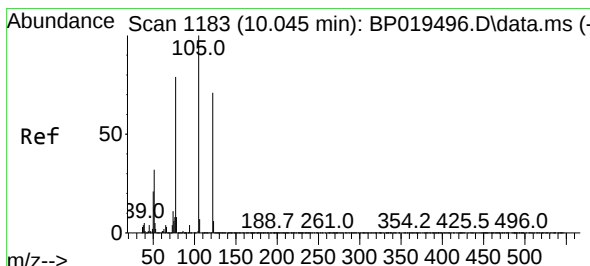
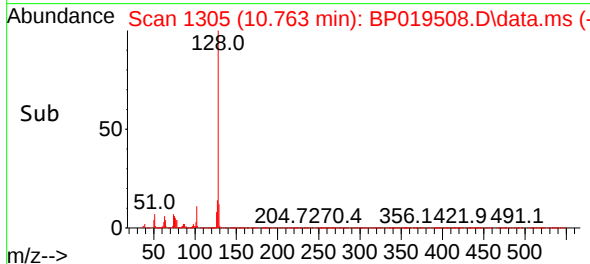
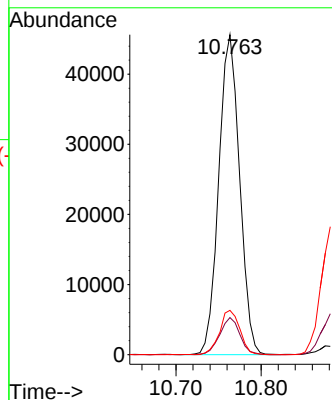
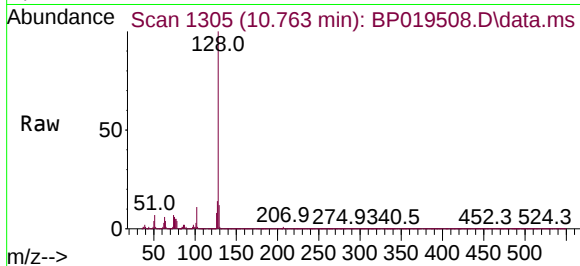




#31
Naphthalene
Concen: 4.177 ng
RT: 10.763 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

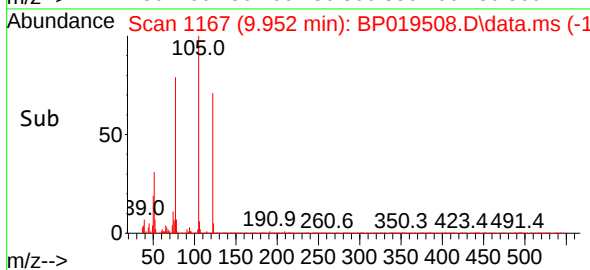
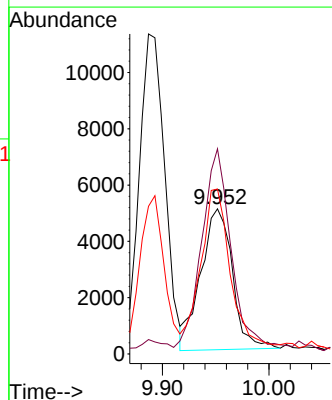
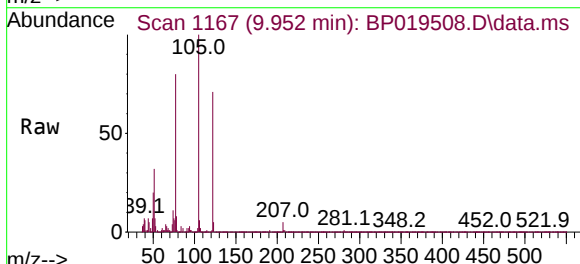
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

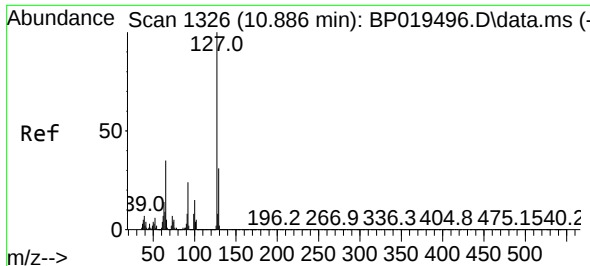
Tgt Ion:128 Resp: 77609
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.9 10.8 16.2



#32
Benzoic acid
Concen: 2.771 ng
RT: 9.952 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:122 Resp: 10361
Ion Ratio Lower Upper
122 100
105 141.4 118.8 158.8
77 113.7 91.7 131.7

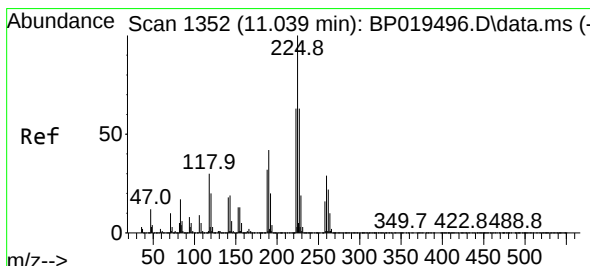
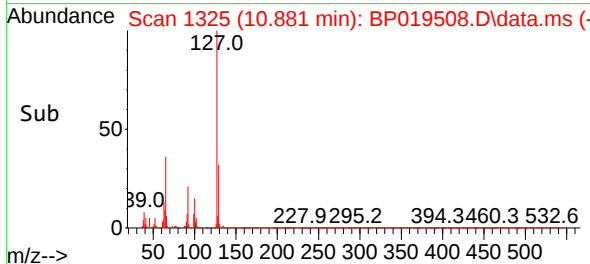
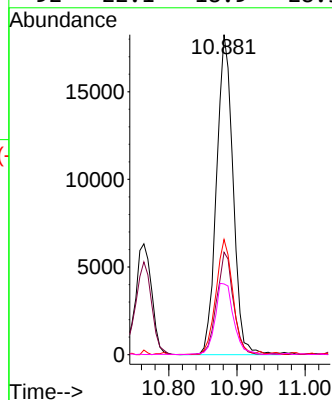
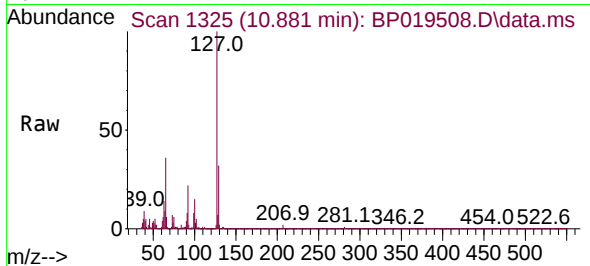




#33
4-Chloroaniline
Concen: 4.474 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

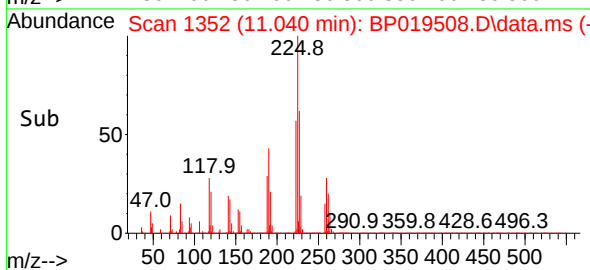
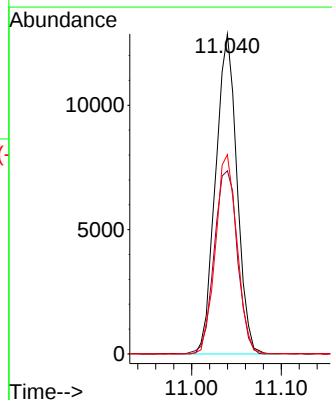
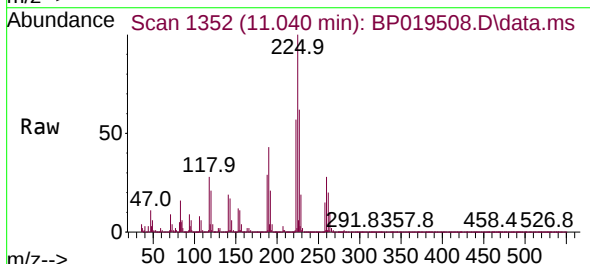
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

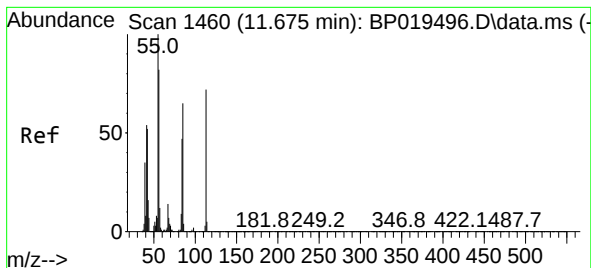
Tgt Ion:	127	Resp:	30741
Ion	Ratio	Lower	Upper
127	100		
129	32.0	24.6	36.8
65	36.0	28.2	42.4
92	22.1	18.9	28.3



#34
Hexachlorobutadiene
Concen: 4.033 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	225	Resp:	21260
Ion	Ratio	Lower	Upper
225	100		
223	57.3	50.5	75.7
227	65.7	50.2	75.2





#35

Caprolactam

Concen: 3.620 ng

RT: 11.652 min Scan# 1456

Delta R.T. -0.023 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

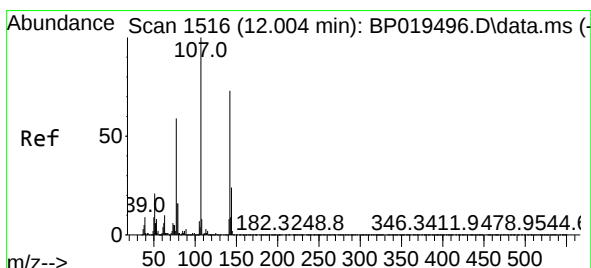
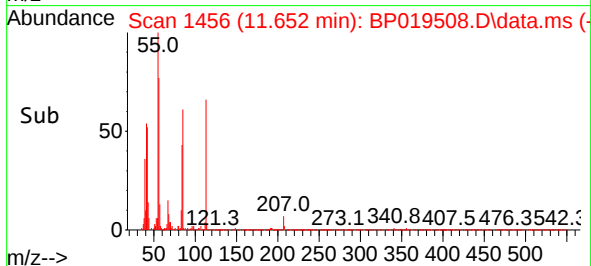
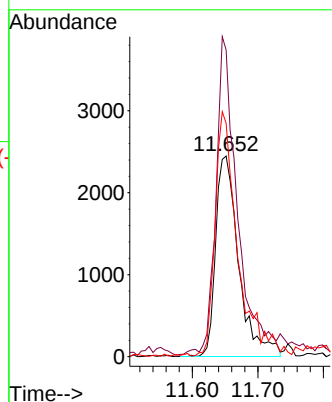
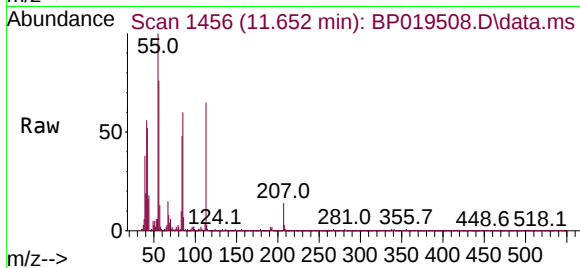
Tgt Ion:113 Resp: 5945

Ion Ratio Lower Upper

113 100

55 152.9 120.0 160.0

56 116.4 94.0 134.0



#36

4-Chloro-3-methylphenol

Concen: 3.960 ng

RT: 11.999 min Scan# 1515

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

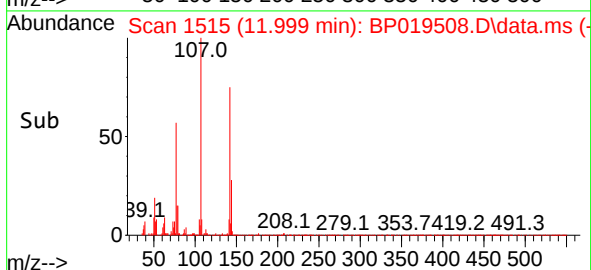
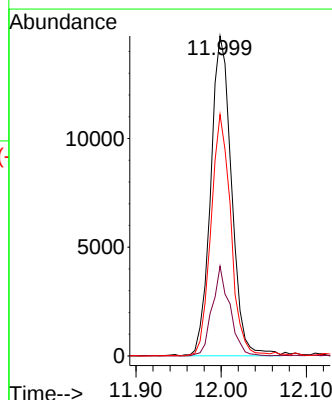
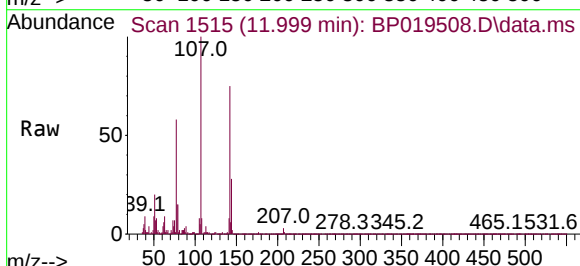
Tgt Ion:107 Resp: 25052

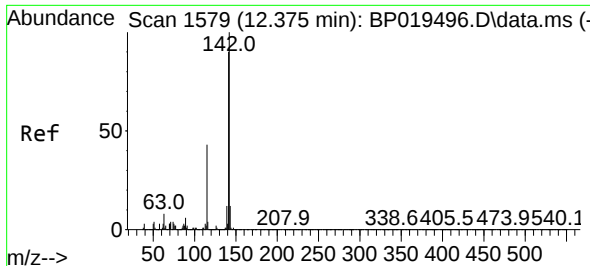
Ion Ratio Lower Upper

107 100

144 28.1 19.0 28.4

142 75.4 58.6 88.0

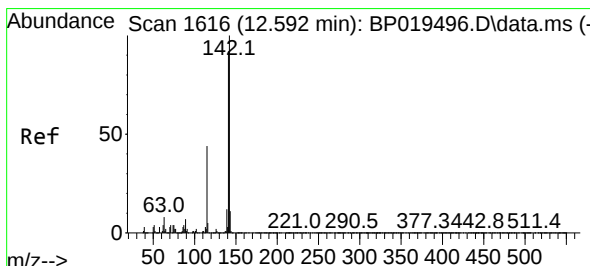
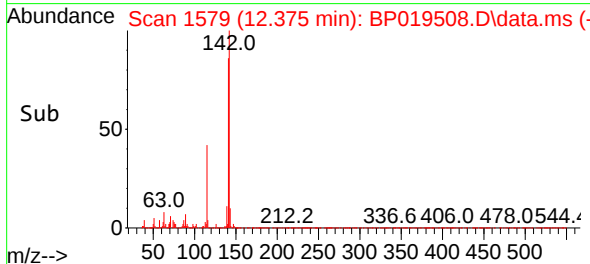
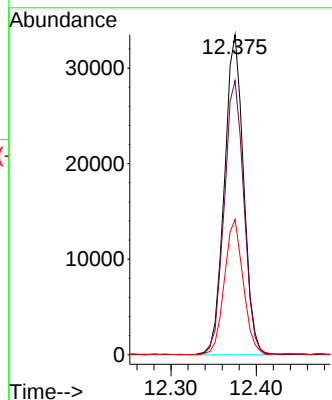
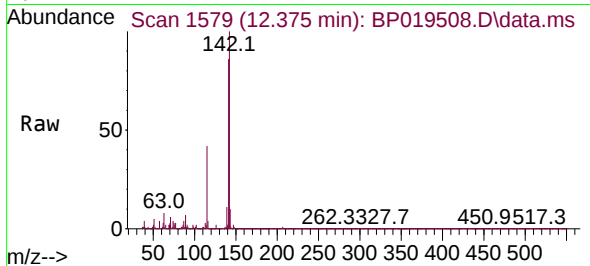




#37
2-Methylnaphthalene
Concen: 4.060 ng
RT: 12.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

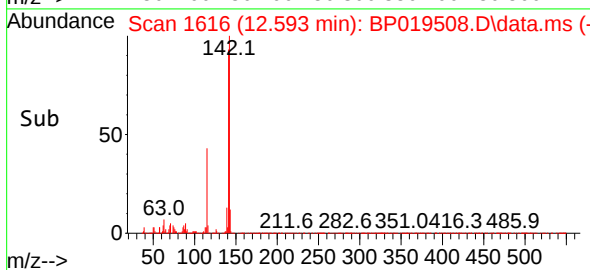
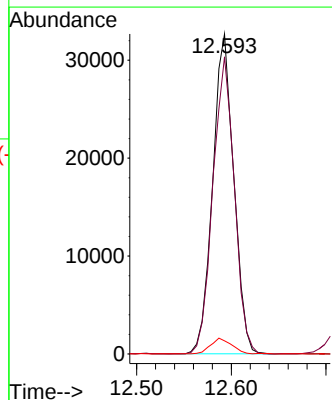
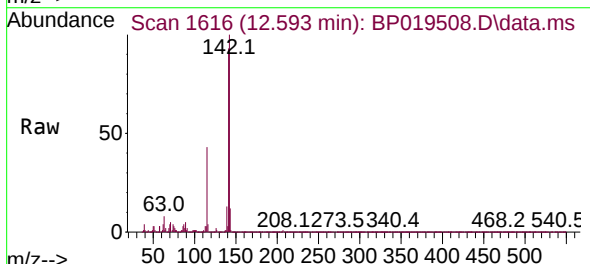
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

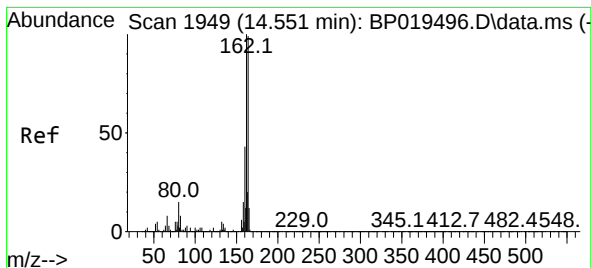
Tgt Ion:142 Resp: 52202
Ion Ratio Lower Upper
142 100
141 85.7 72.2 108.4
115 42.3 34.2 51.2



#38
1-Methylnaphthalene
Concen: 4.008 ng
RT: 12.593 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:142 Resp: 50643
Ion Ratio Lower Upper
142 100
141 92.8 74.0 111.0
116 4.1 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1949

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

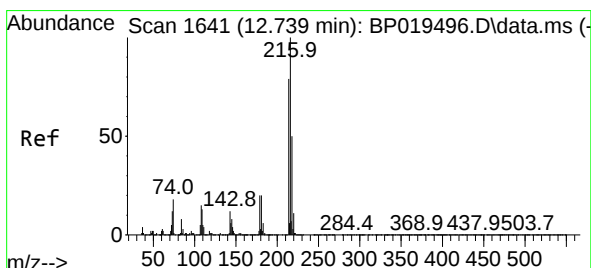
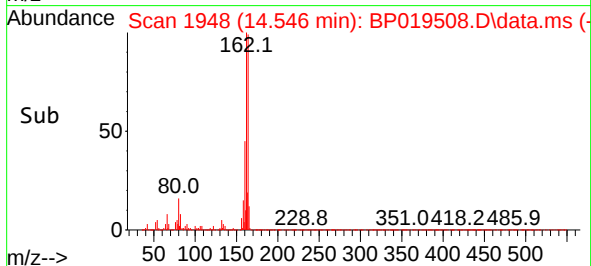
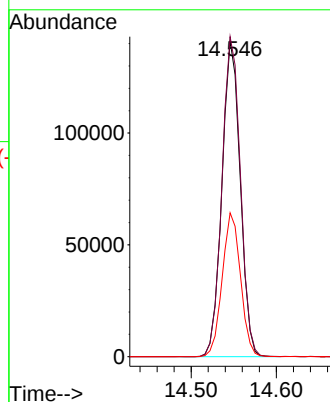
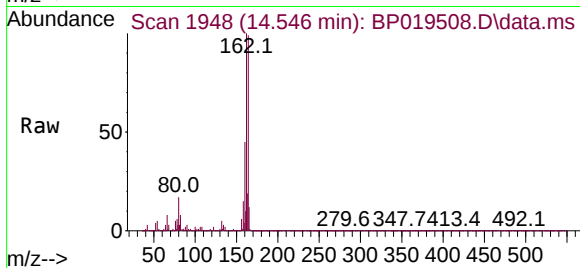
Tgt Ion:164 Resp: 210318

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

160 45.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.416 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Tgt Ion:216 Resp: 35820

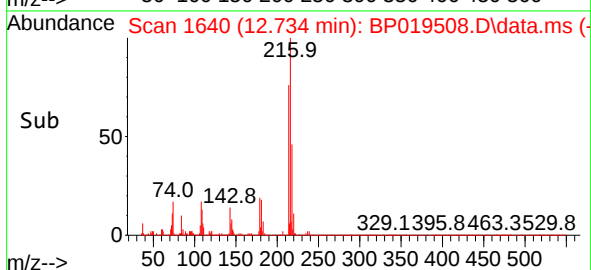
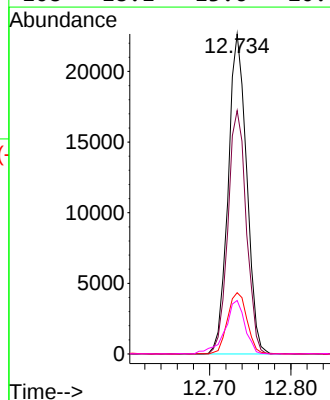
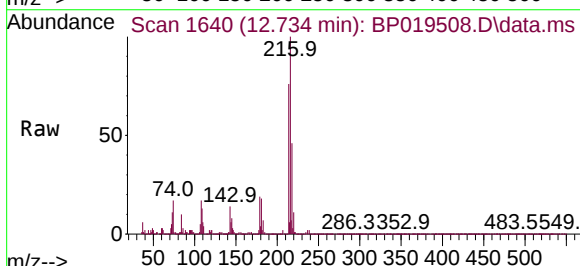
Ion Ratio Lower Upper

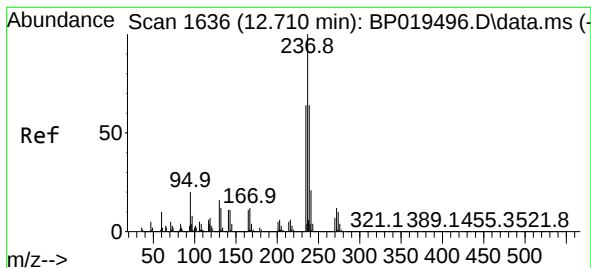
216 100

214 75.5 62.8 94.2

179 20.2 16.6 24.8

108 18.1 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 5.413 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

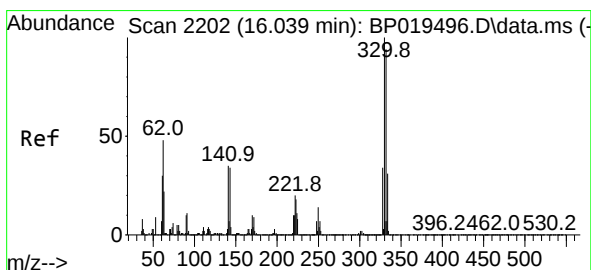
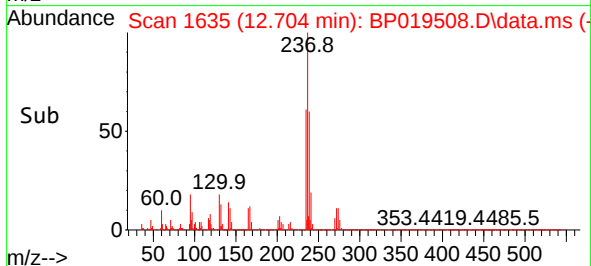
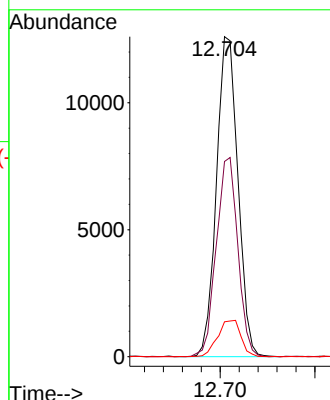
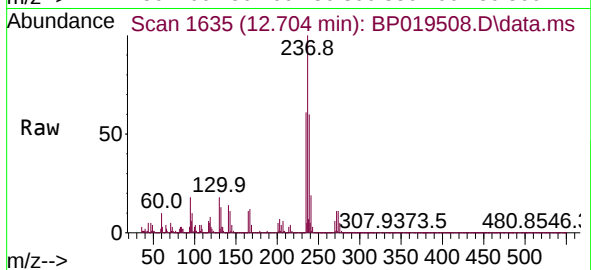
Tgt Ion:237 Resp: 19833

Ion Ratio Lower Upper

237 100

235 61.0 43.7 83.7

272 10.9 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 78.619 ng

RT: 16.040 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

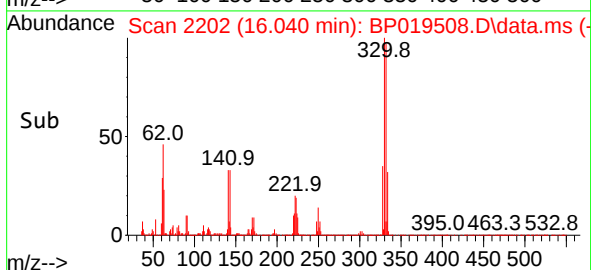
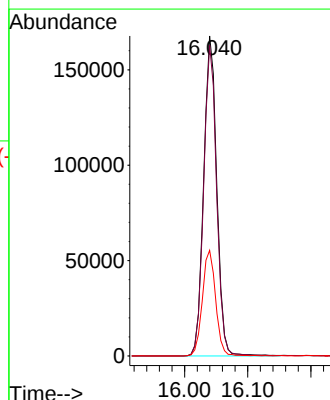
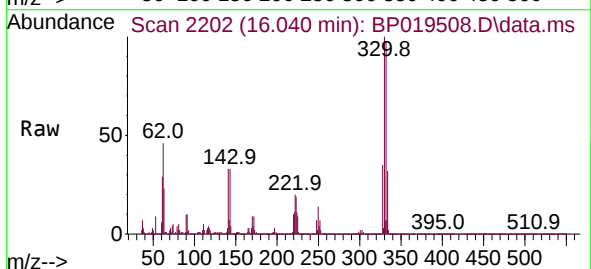
Tgt Ion:330 Resp: 241422

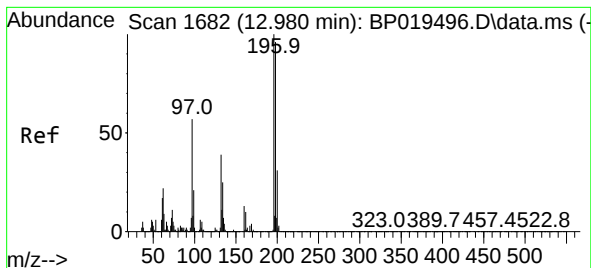
Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

141 33.5 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.952 ng

RT: 12.981 min Scan# 1682

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

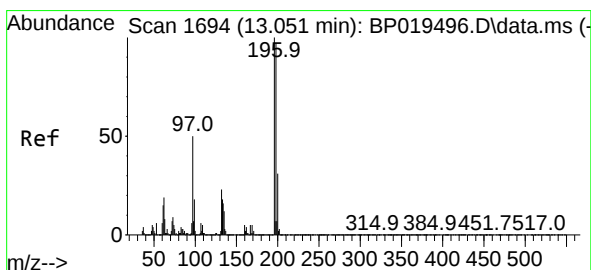
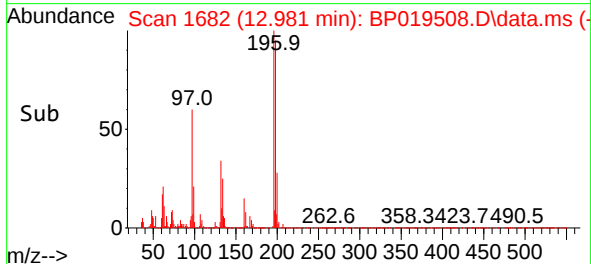
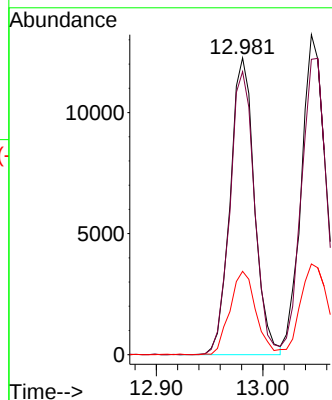
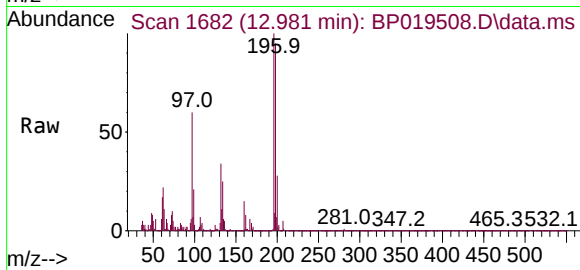
Tgt Ion:196 Resp: 19411

Ion Ratio Lower Upper

196 100

198 95.4 76.7 115.1

200 28.1 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.893 ng

RT: 13.046 min Scan# 1693

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Tgt Ion:196 Resp: 20994

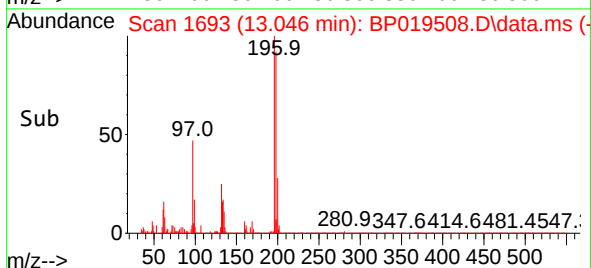
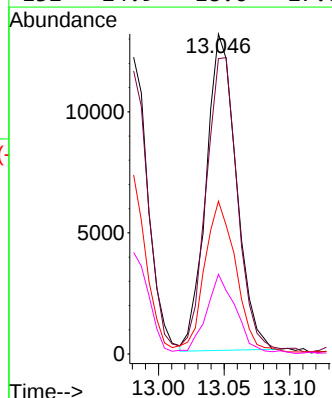
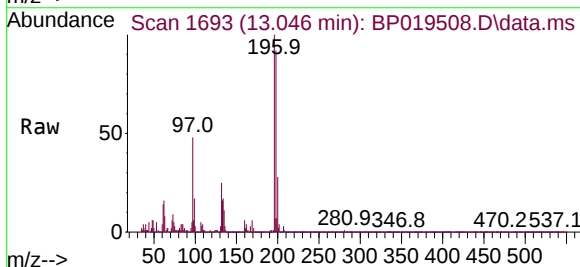
Ion Ratio Lower Upper

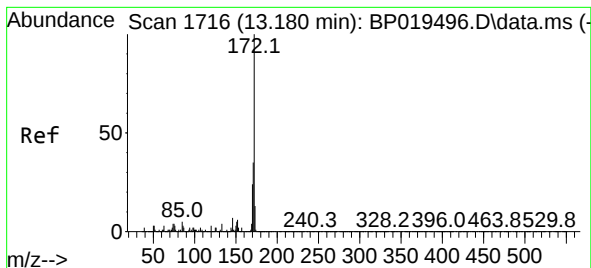
196 100

198 92.3 77.5 116.3

97 47.7 39.9 59.9

132 24.9 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 113.566 ng

RT: 13.181 min Scan# 1716

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

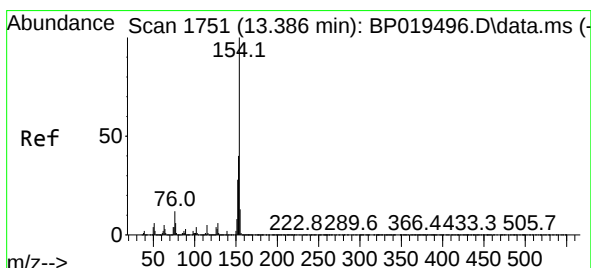
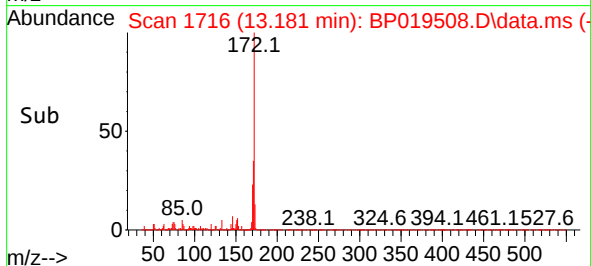
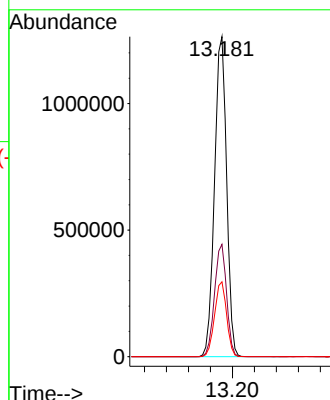
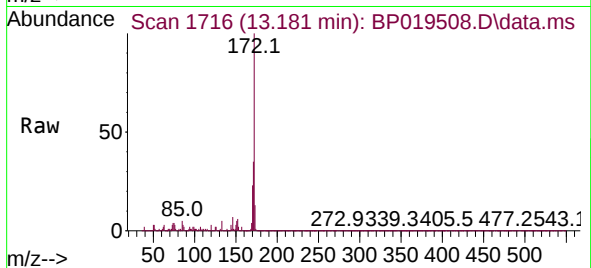
Tgt Ion:172 Resp: 1932081

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 4.271 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

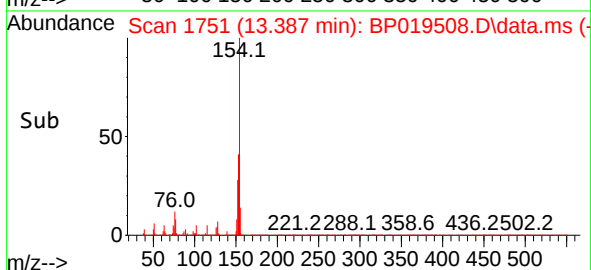
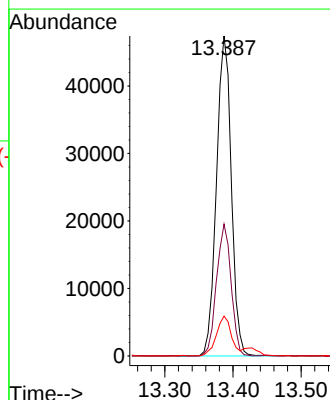
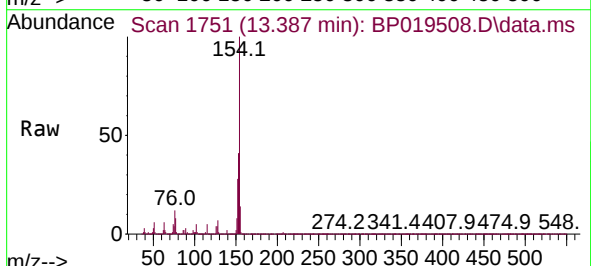
Tgt Ion:154 Resp: 71696

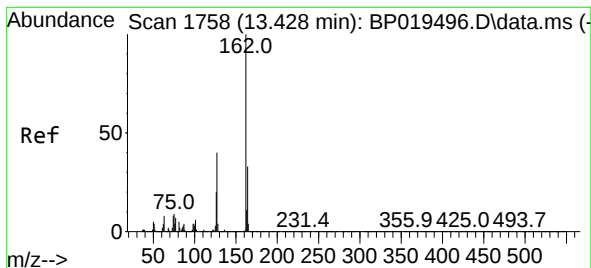
Ion Ratio Lower Upper

154 100

153 41.2 20.2 60.2

76 12.4 0.0 31.6

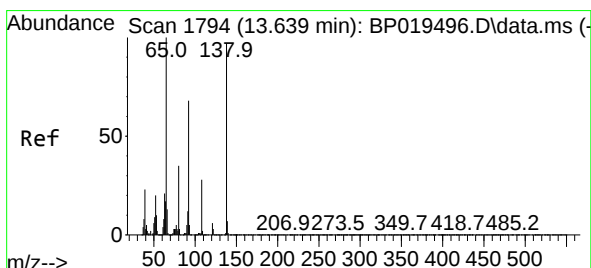
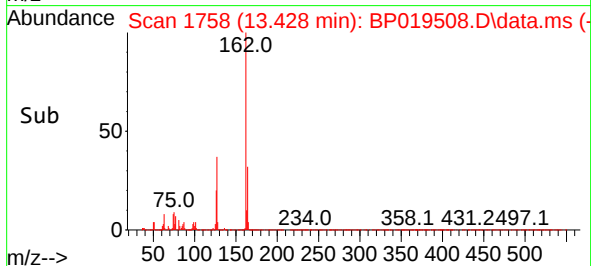
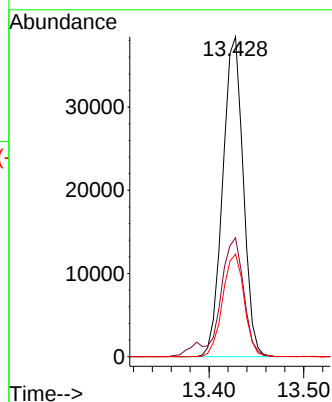
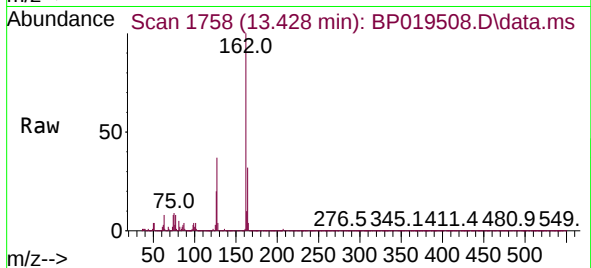




#47
2-Chloronaphthalene
Concen: 4.202 ng
RT: 13.428 min Scan# 1758
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

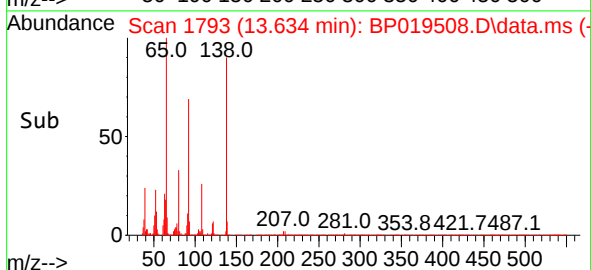
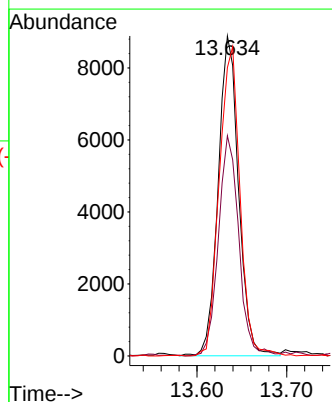
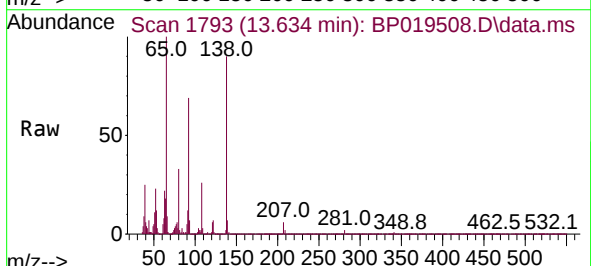
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

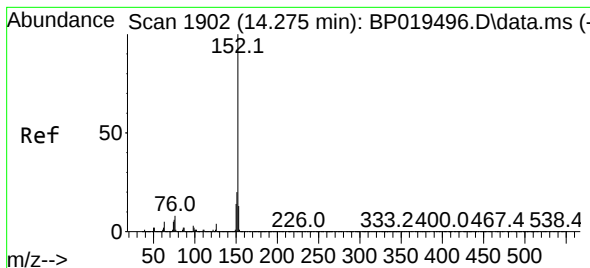
Tgt Ion:	162	Resp:	57895
Ion Ratio	Lower	Upper	
162	100		
127	37.1	32.1	48.1
164	32.0	26.7	40.1



#48
2-Nitroaniline
Concen: 3.646 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	65	Resp:	14048
Ion Ratio	Lower	Upper	
65	100		
92	68.8	54.7	82.1
138	90.1	77.8	116.6





#49

Acenaphthylene

Concen: 4.487 ng

RT: 14.269 min Scan# 1902

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

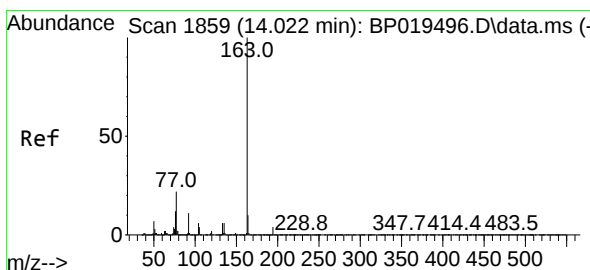
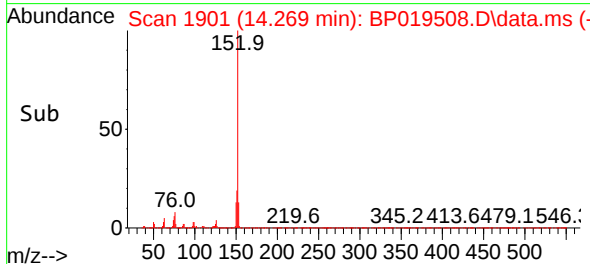
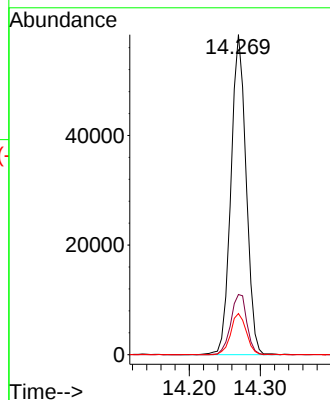
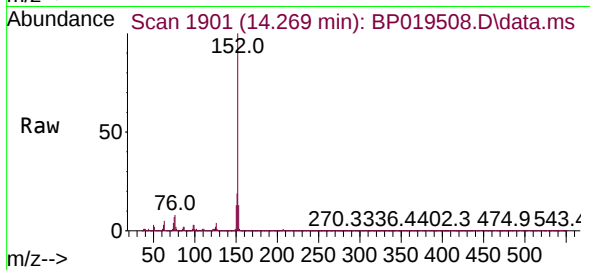
Tgt Ion:152 Resp: 86741

Ion Ratio Lower Upper

152 100

151 18.8 15.8 23.6

153 12.8 10.6 15.8



#50

Dimethylphthalate

Concen: 4.201 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

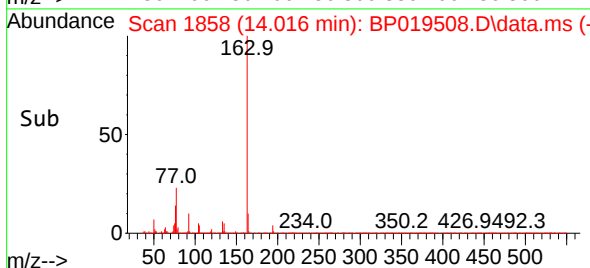
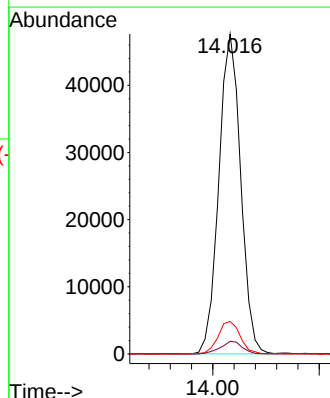
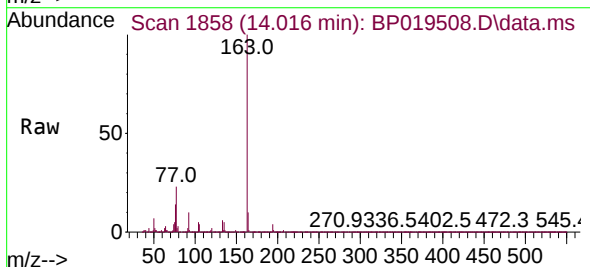
Tgt Ion:163 Resp: 67643

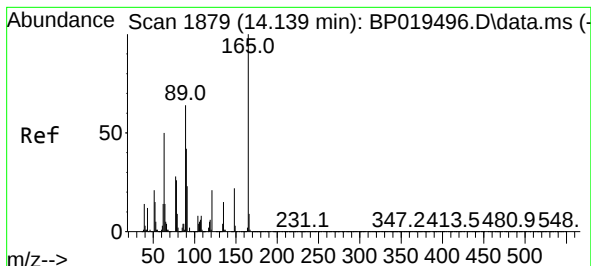
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

164 10.2 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 3.689 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

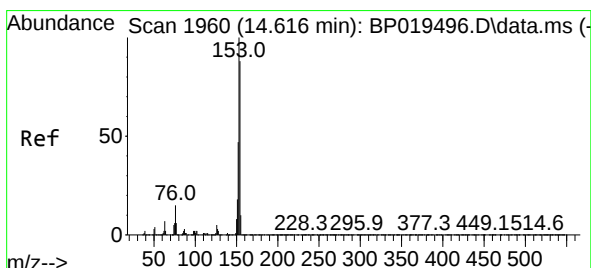
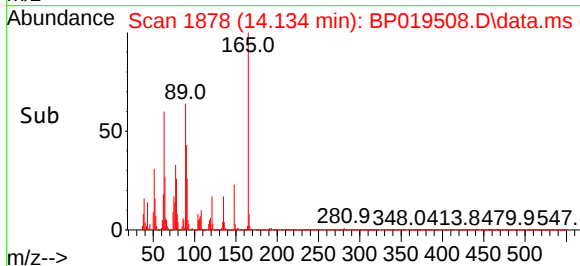
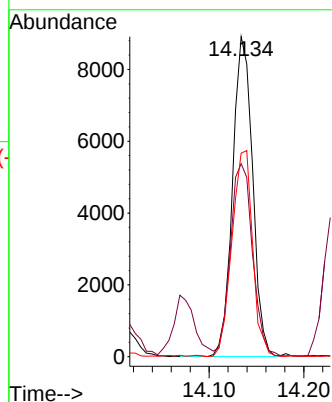
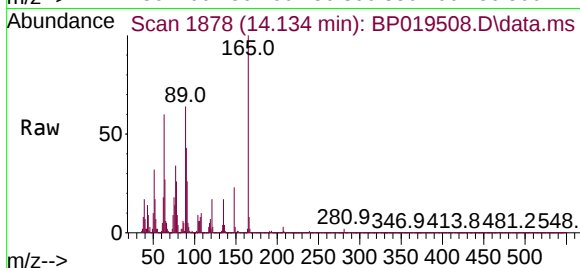
Tgt Ion:165 Resp: 13048

Ion Ratio Lower Upper

165 100

63 60.3 50.4 75.6

89 63.6 51.7 77.5



#52

Acenaphthene

Concen: 4.163 ng

RT: 14.610 min Scan# 1959

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

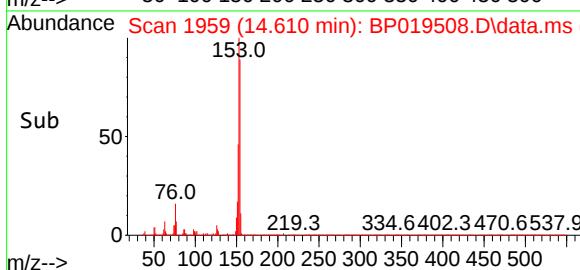
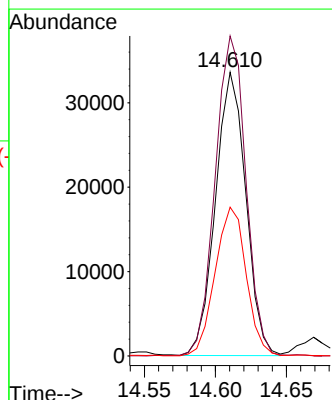
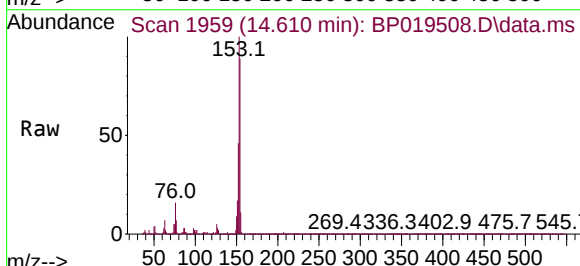
Tgt Ion:154 Resp: 49955

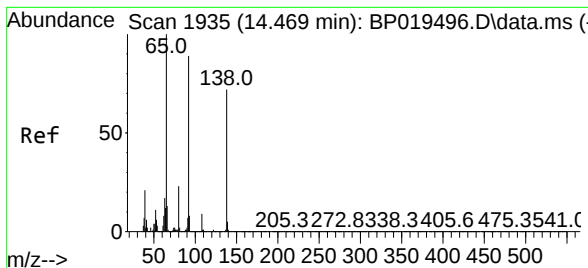
Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

152 52.4 42.1 63.1





#53

3-Nitroaniline

Concen: 3.711 ng

RT: 14.463 min Scan# 1935

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

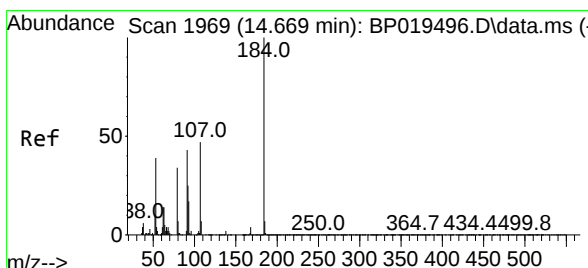
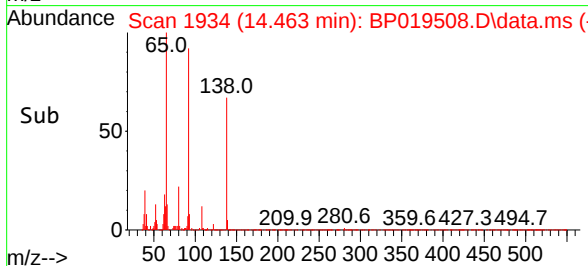
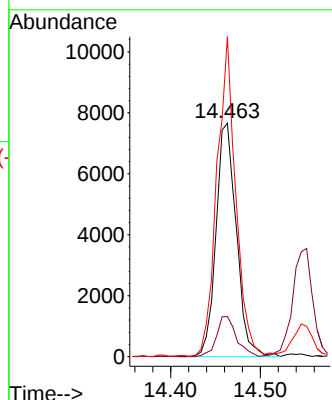
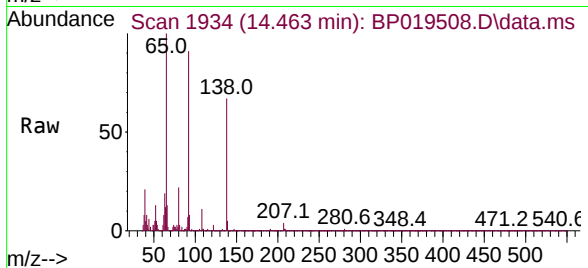
Tgt Ion:138 Resp: 12065

Ion Ratio Lower Upper

138 100

108 17.2 9.7 14.5#

92 137.1 98.0 147.0



#54

2,4-Dinitrophenol

Concen: 2.797 ng

RT: 14.669 min Scan# 1969

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

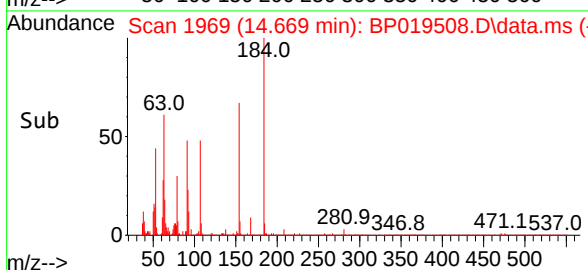
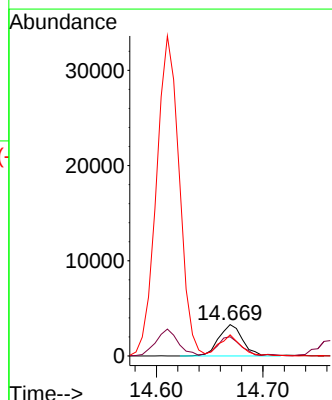
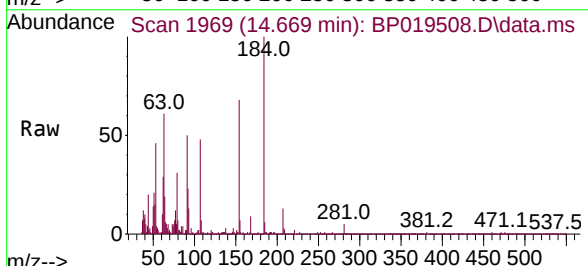
Tgt Ion:184 Resp: 5137

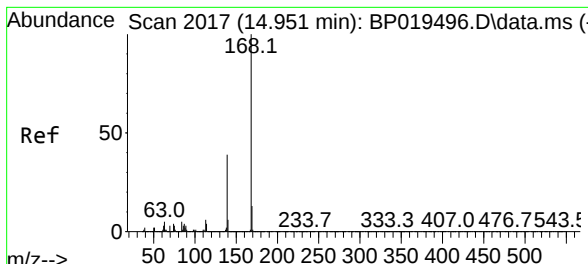
Ion Ratio Lower Upper

184 100

63 61.4 50.5 75.7

154 67.8 53.4 80.0

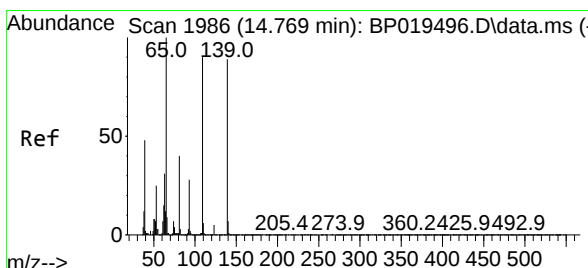
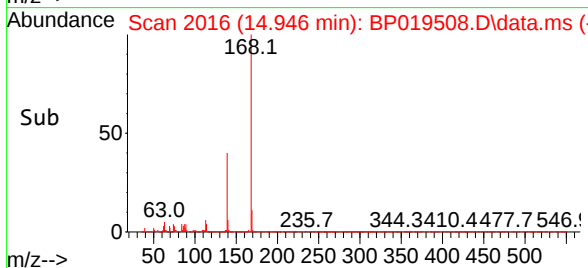
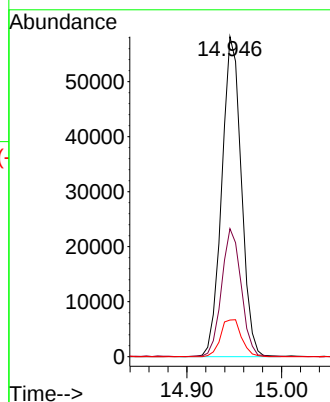
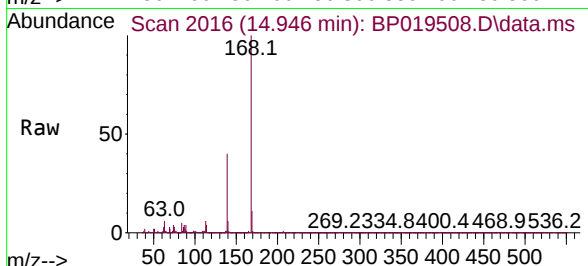




#55
Dibenzofuran
Concen: 4.267 ng
RT: 14.946 min Scan# 2017
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

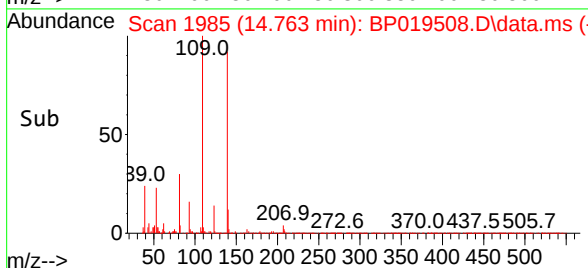
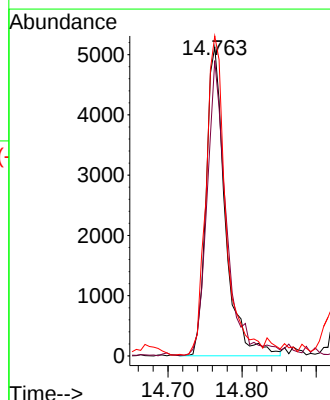
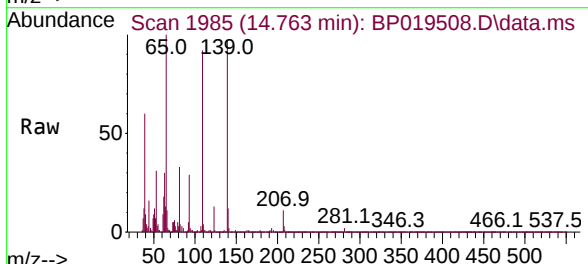
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

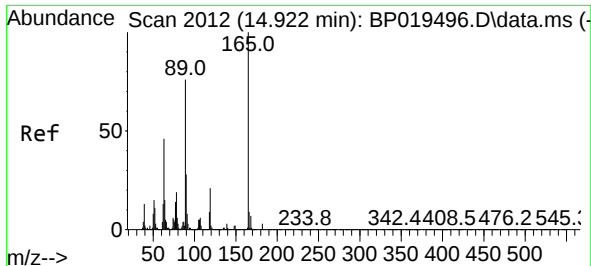
Tgt Ion:	168	Resp:	83382
Ion Ratio	Lower	Upper	
168	100		
139	40.0	31.5	47.3
169	11.5	10.3	15.5



#56
4-Nitrophenol
Concen: 3.441 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	139	Resp:	9169
Ion Ratio	Lower	Upper	
139	100		
109	95.6	82.0	122.0
65	103.5	92.9	132.9

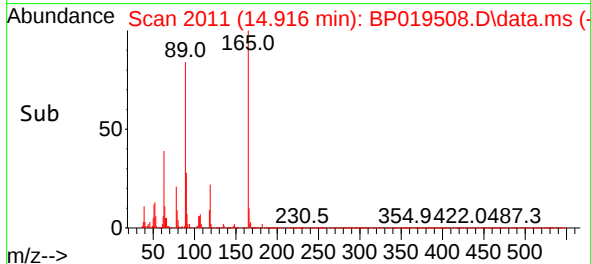
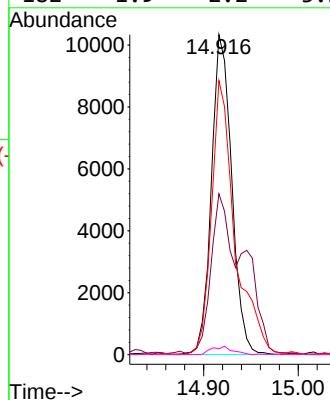
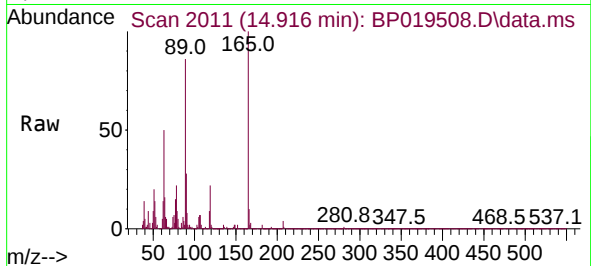




#57
2,4-Dinitrotoluene
Concen: 3.317 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

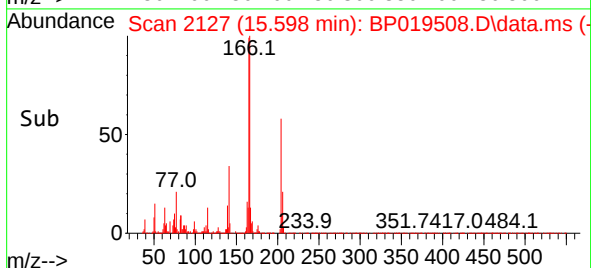
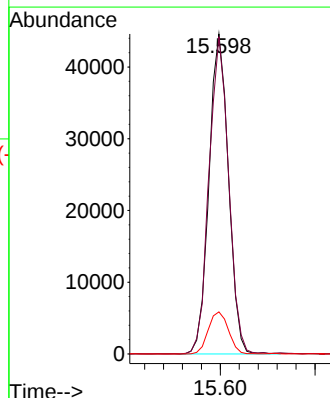
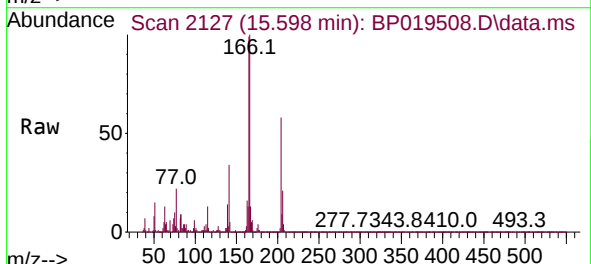
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

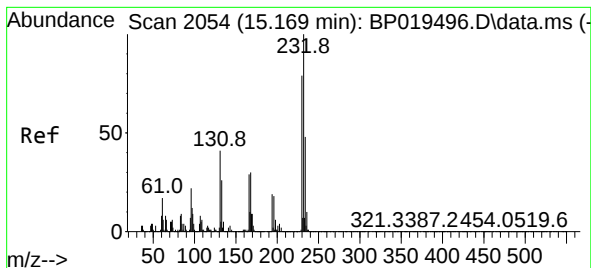
Tgt Ion:165 Resp: 15377
Ion Ratio Lower Upper
165 100
63 50.3 36.9 55.3
89 85.7 61.1 91.7
182 1.9 2.2 3.2#



#58
Fluorene
Concen: 4.092 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:166 Resp: 63691
Ion Ratio Lower Upper
166 100
165 99.1 77.8 116.8
167 13.2 10.7 16.1

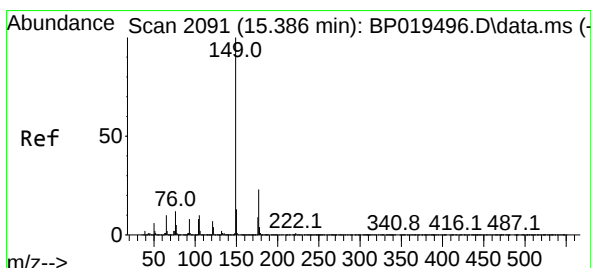
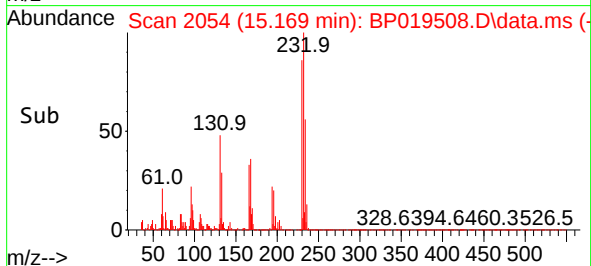
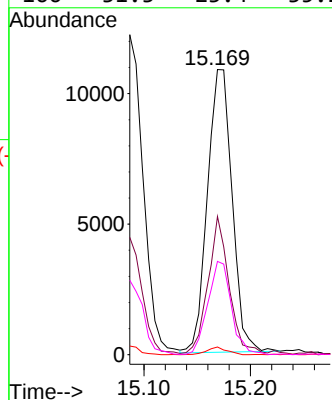
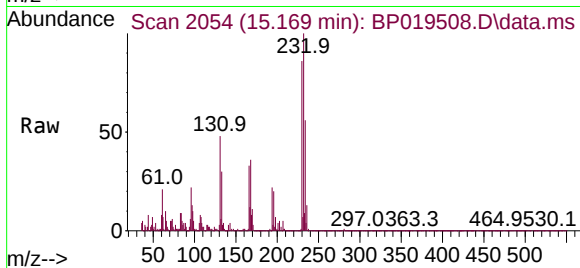




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.851 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

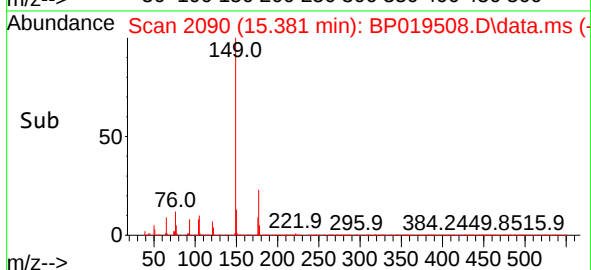
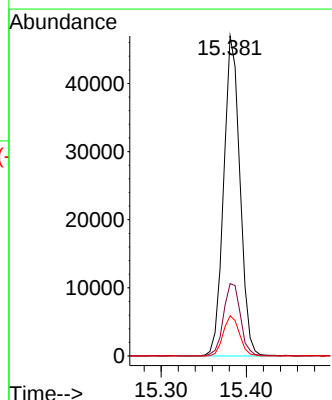
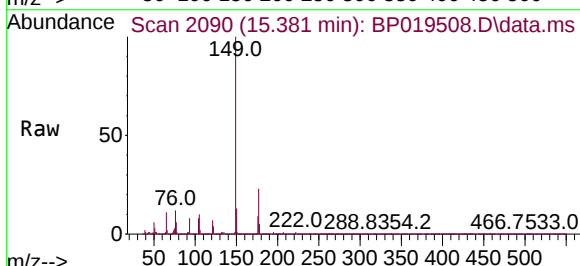
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:232	Resp:	17472
Ion Ratio	Lower	Upper
232	100	
131	40.9	32.4 48.6
130	2.2	1.9 2.9
166	31.3	23.4 35.2



#60
Diethylphthalate
Concen: 3.898 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:149	Resp:	62430
Ion Ratio	Lower	Upper
149	100	
177	22.6	18.2 27.2
150	12.6	10.2 15.4

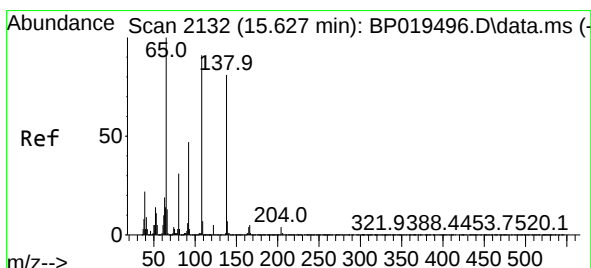
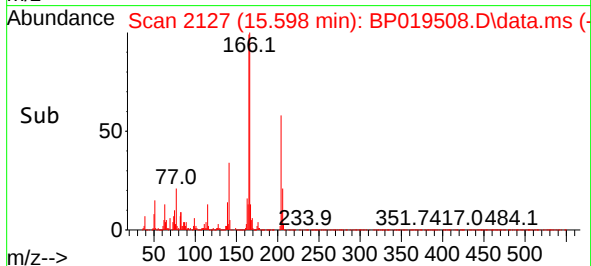
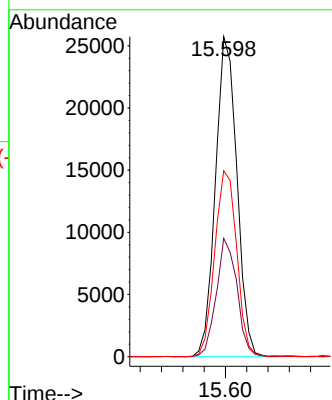
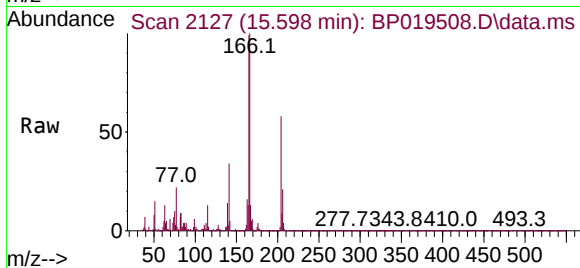




#61
4-Chlorophenyl-phenylether
Concen: 4.109 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

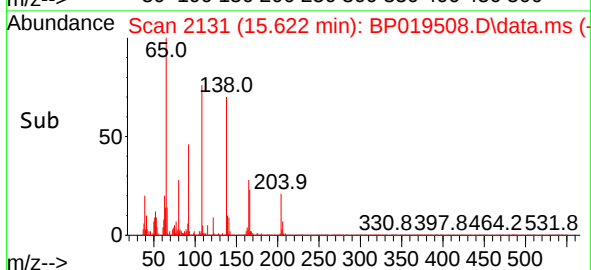
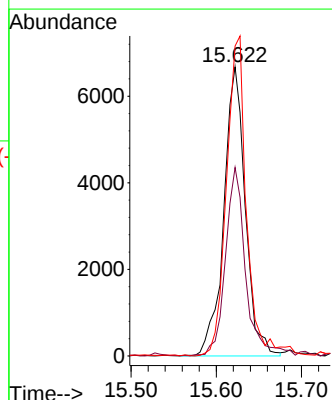
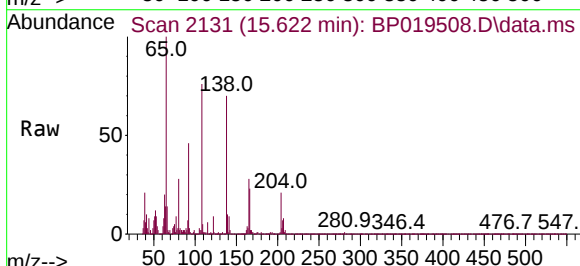
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

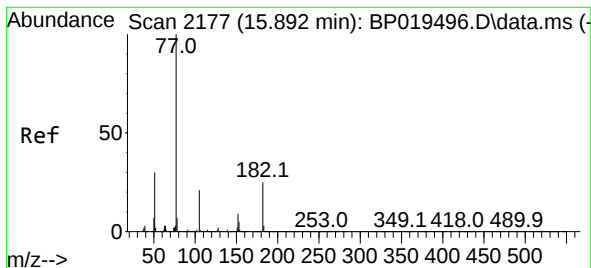
Tgt Ion:	204	Resp:	35945
Ion Ratio	Lower	Upper	
204	100		
206	36.9	26.5	39.7
141	58.1	48.5	72.7



#62
4-Nitroaniline
Concen: 3.439 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:	138	Resp:	11718
Ion Ratio	Lower	Upper	
138	100		
92	65.2	38.3	78.3
108	107.2	91.2	131.2





#63

Azobenzene

Concen: 3.916 ng

RT: 15.893 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 77 Resp: 60646

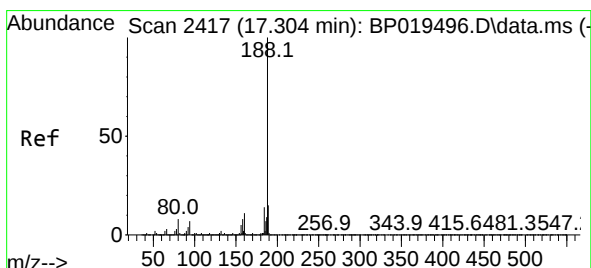
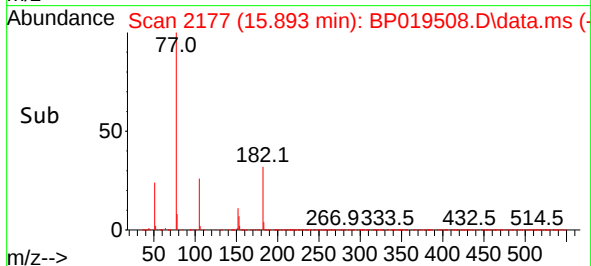
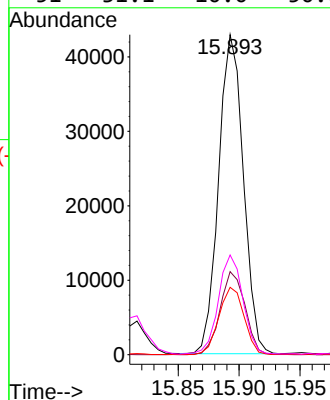
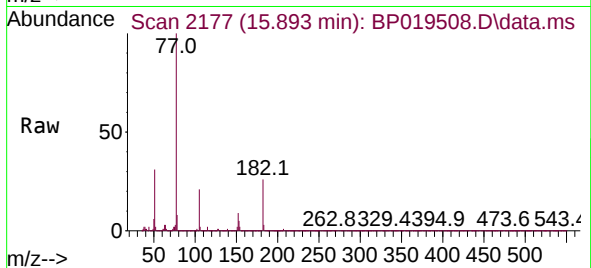
Ion Ratio Lower Upper

77 100

182 25.9 5.1 45.1

105 21.0 0.8 40.8

51 31.1 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

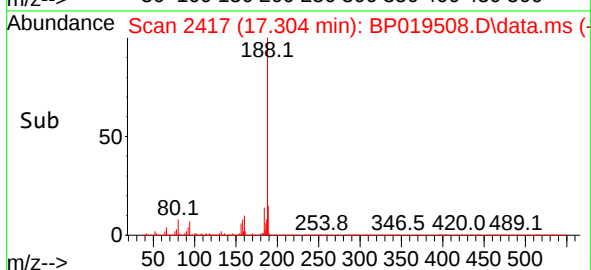
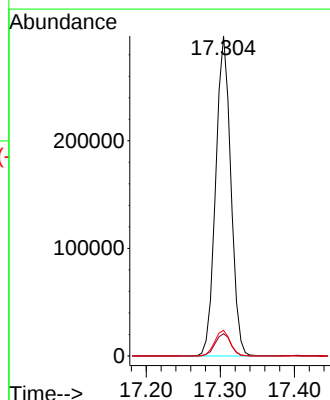
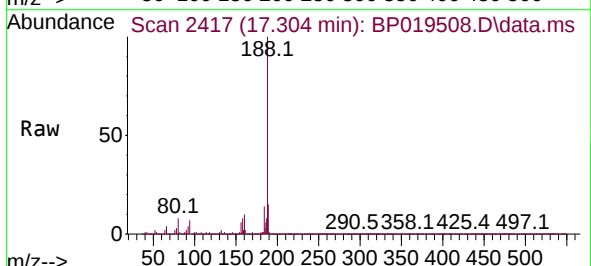
Tgt Ion: 188 Resp: 421672

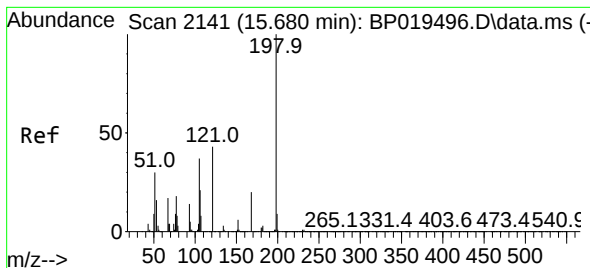
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.0 6.3 9.5

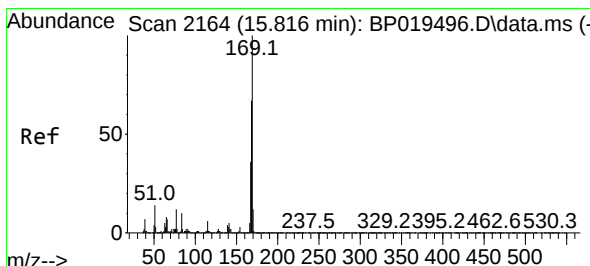
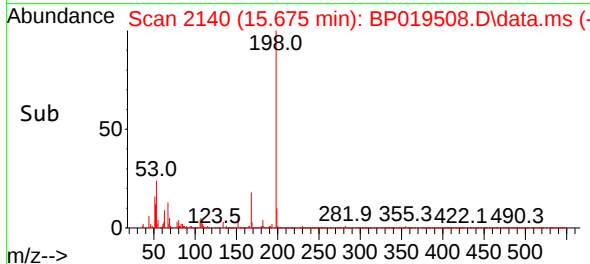
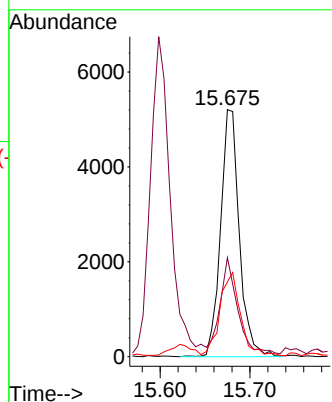
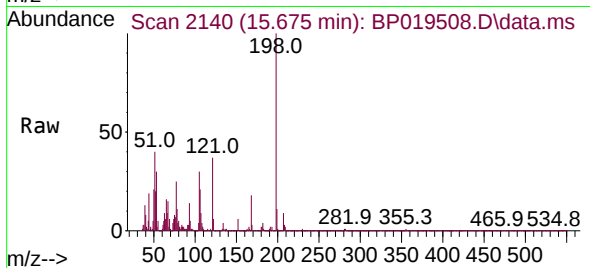




#65
4,6-Dinitro-2-methylphenol
Concen: 3.139 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.005 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

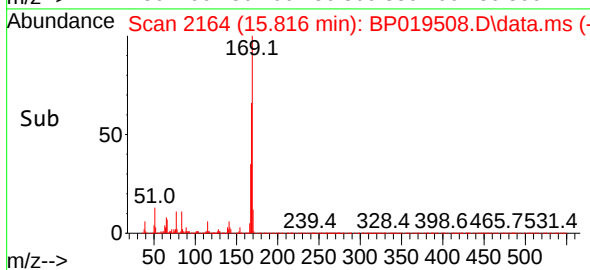
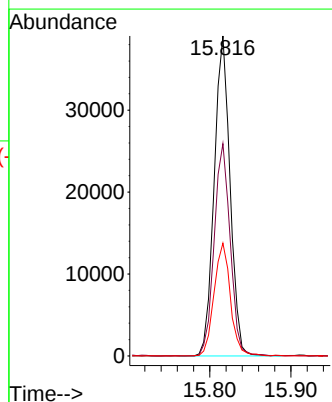
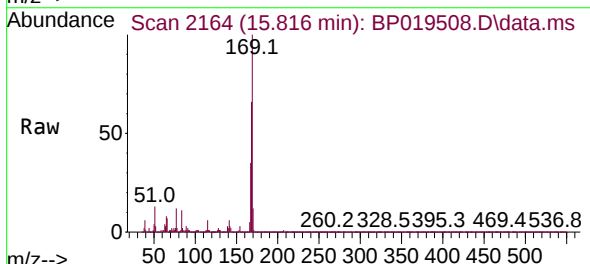
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

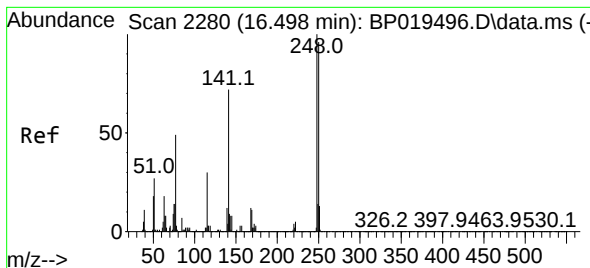
Tgt Ion:198 Resp: 7548
Ion Ratio Lower Upper
198 100
51 40.1 21.2 61.2
105 30.2 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 4.197 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:169 Resp: 53005
Ion Ratio Lower Upper
169 100
168 66.4 53.4 80.2
167 35.2 28.9 43.3

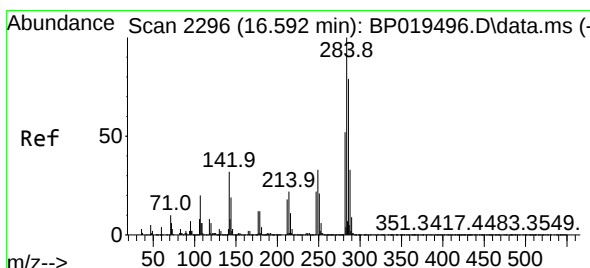
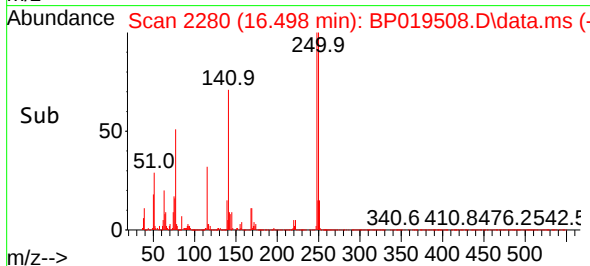
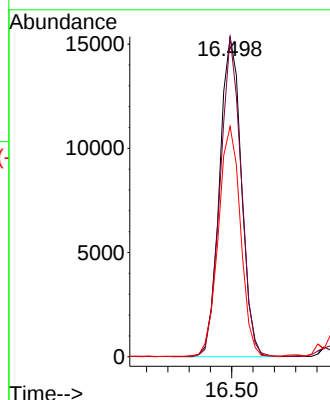
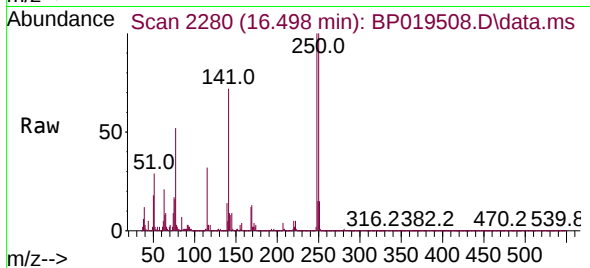




#67
4-Bromophenyl-phenylether
Concen: 4.130 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

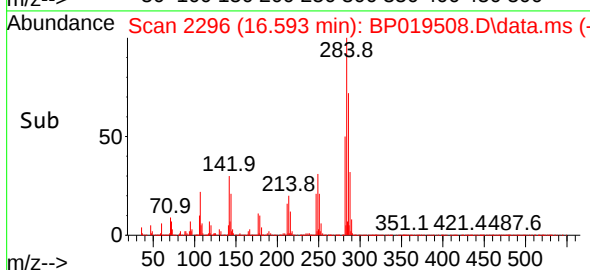
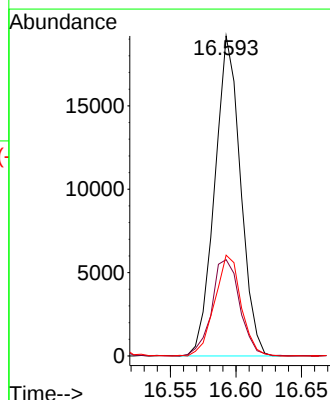
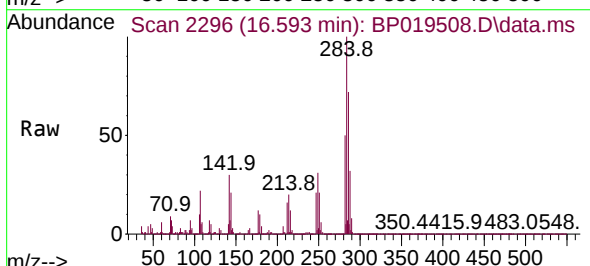
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

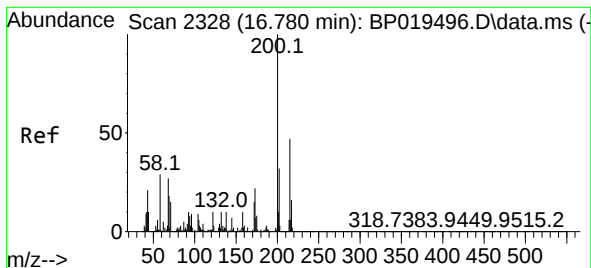
Tgt Ion:248 Resp: 21773
Ion Ratio Lower Upper
248 100
250 100.0 76.9 115.3
141 72.0 58.0 87.0



#68
Hexachlorobenzene
Concen: 4.260 ng
RT: 16.593 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:284 Resp: 26223
Ion Ratio Lower Upper
284 100
142 30.1 25.4 38.2
249 31.5 26.5 39.7





#69

Atrazine

Concen: 4.722 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

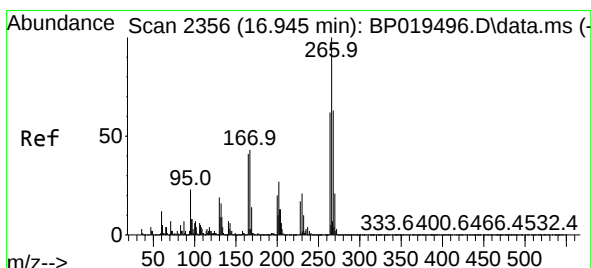
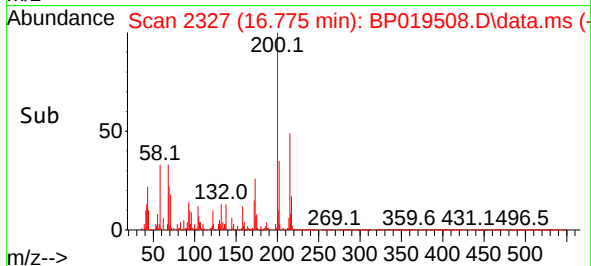
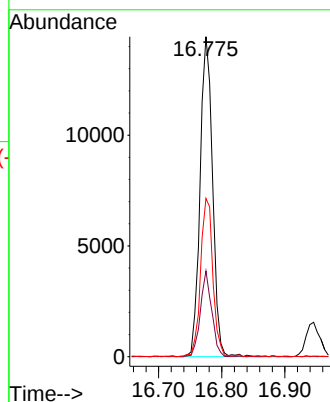
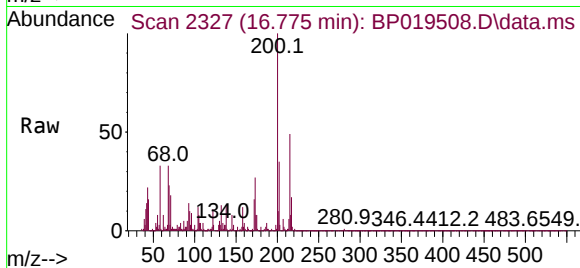
Tgt Ion:200 Resp: 19789

Ion Ratio Lower Upper

200 100

173 26.8 1.7 41.7

215 49.4 26.9 66.9



#70

Pentachlorophenol

Concen: 3.319 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

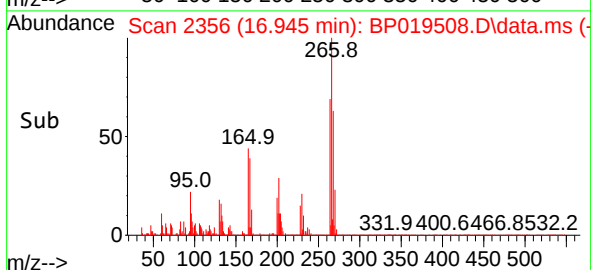
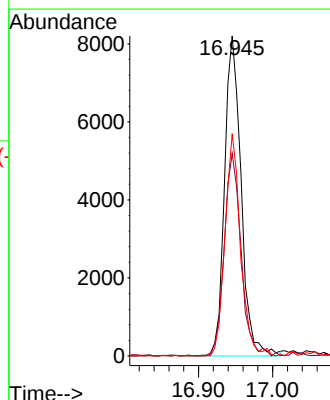
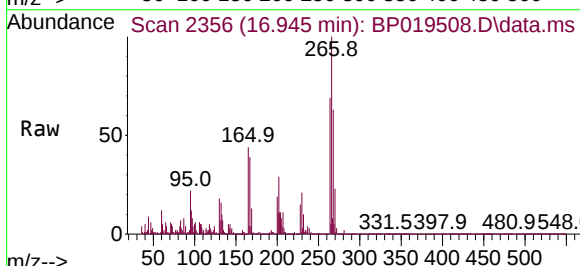
Tgt Ion:266 Resp: 12723

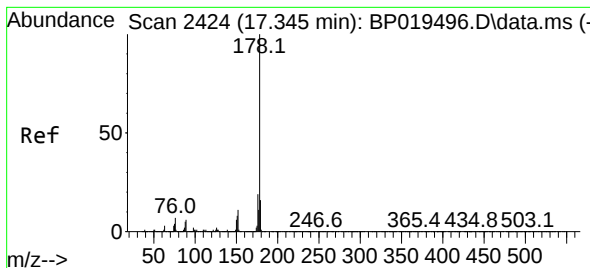
Ion Ratio Lower Upper

266 100

268 67.8 50.3 75.5

264 69.4 49.7 74.5





#71

Phenanthrene

Concen: 4.342 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

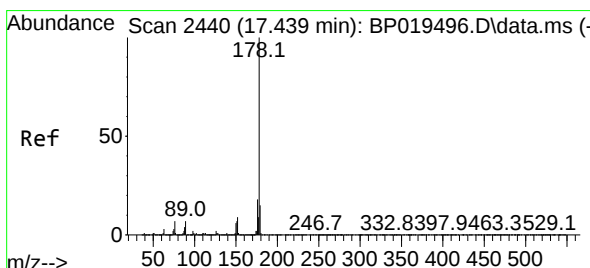
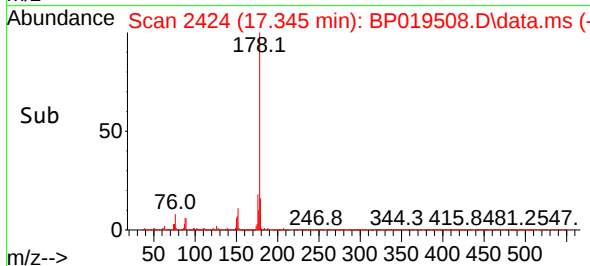
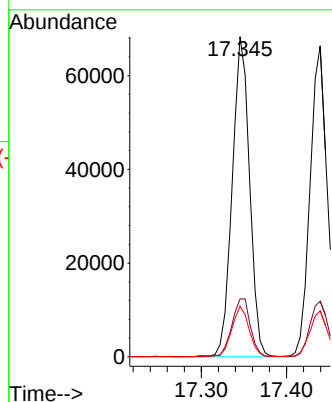
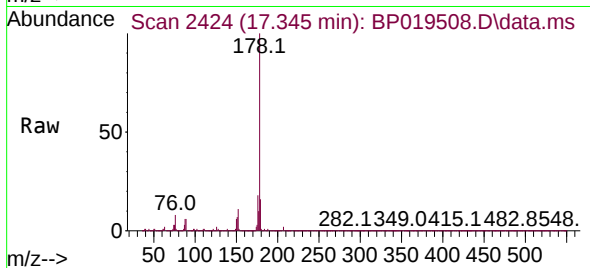
Tgt Ion:178 Resp: 96346

Ion Ratio Lower Upper

178 100

176 18.0 15.5 23.3

179 15.8 12.6 19.0



#72

Anthracene

Concen: 4.209 ng

RT: 17.440 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

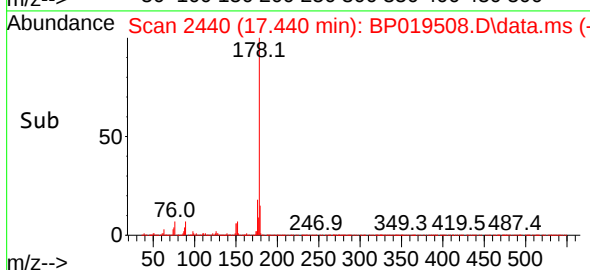
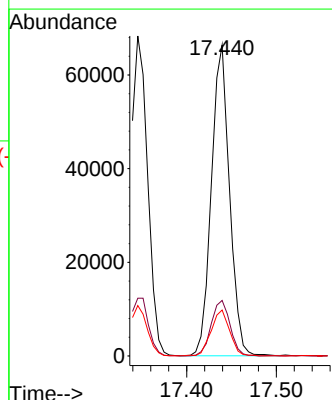
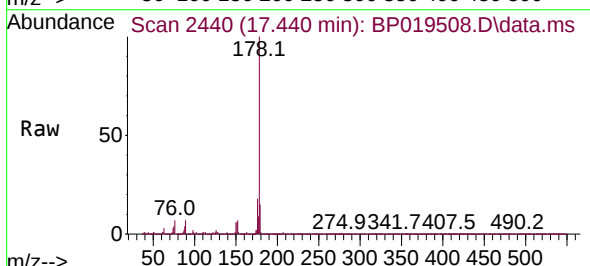
Tgt Ion:178 Resp: 93175

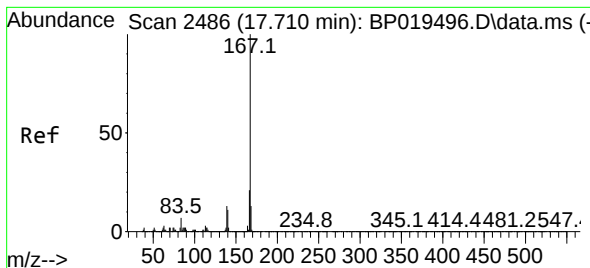
Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

179 14.8 12.2 18.2





#73

Carbazole

Concen: 4.034 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

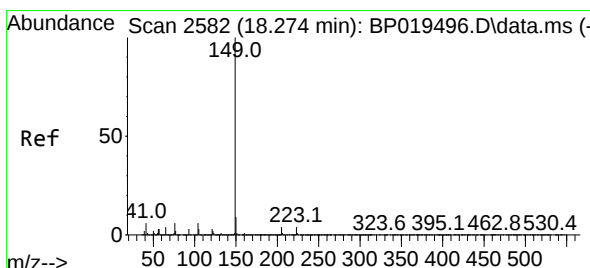
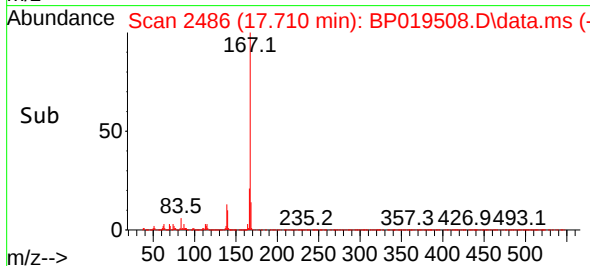
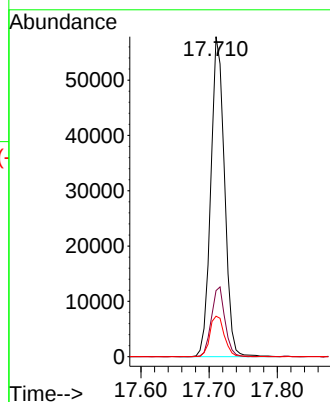
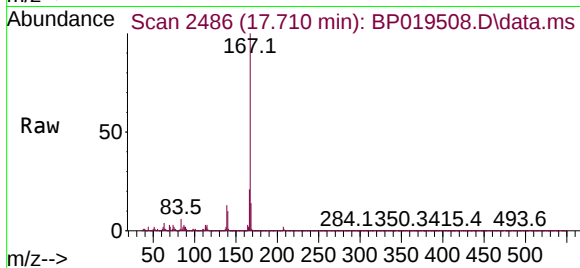
Tgt Ion:167 Resp: 81130

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 12.7 10.6 15.8



#74

Di-n-butylphthalate

Concen: 4.002 ng

RT: 18.281 min Scan# 2583

Delta R.T. 0.006 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

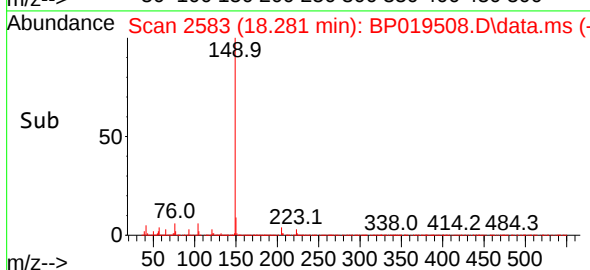
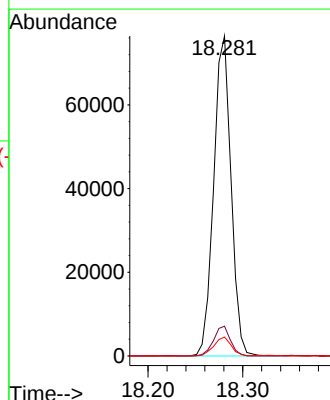
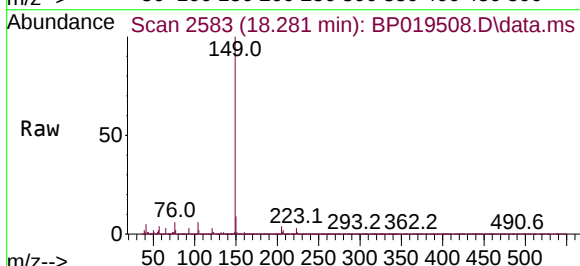
Tgt Ion:149 Resp: 97324

Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 5.9 4.8 7.2

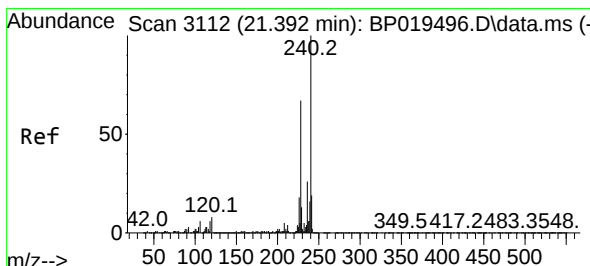
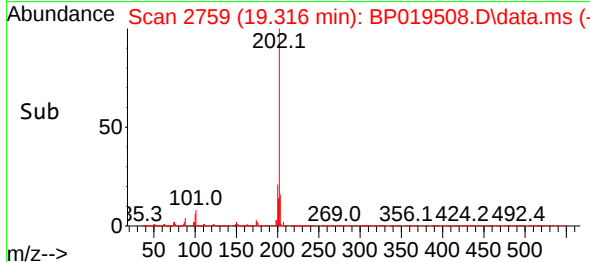
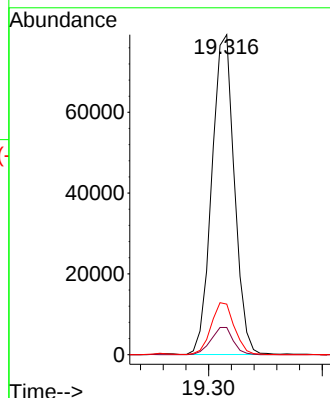
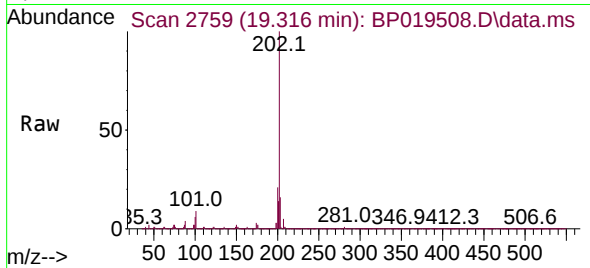




#75
Fluoranthene
Concen: 4.026 ng
RT: 19.316 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

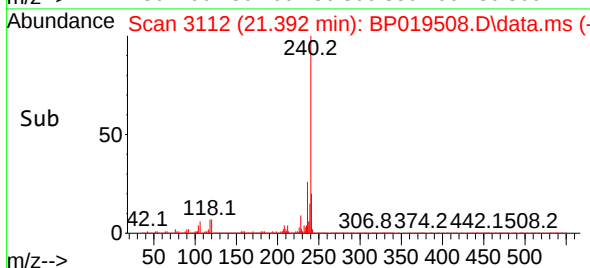
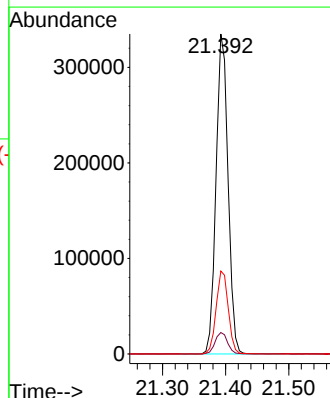
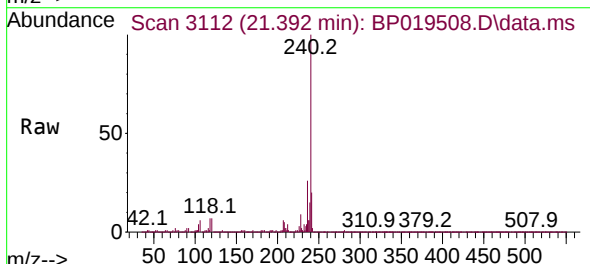
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2023

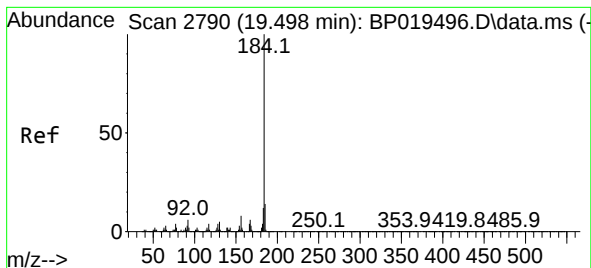
Tgt Ion:202 Resp: 109148
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 15.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019508.D
Acq: 01 Feb 2024 15:06

Tgt Ion:240 Resp: 440839
Ion Ratio Lower Upper
240 100
120 6.7 6.1 9.1
236 25.9 20.7 31.1





#77

Benzidine

Concen: 6.558 ng

RT: 19.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

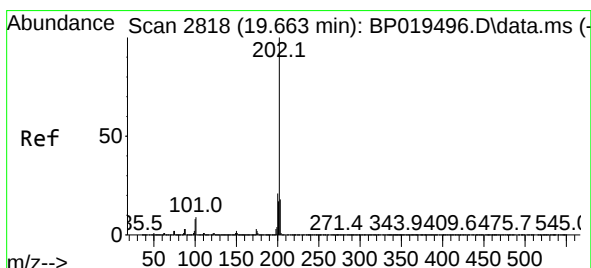
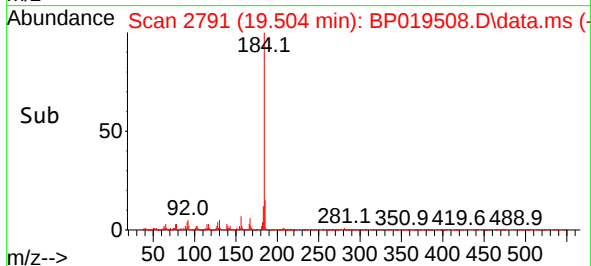
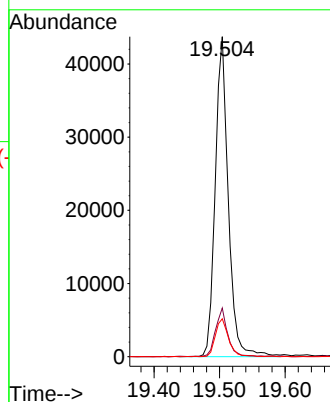
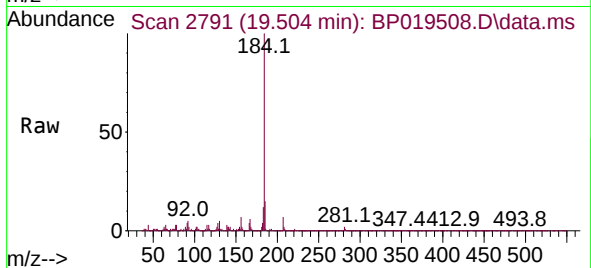
Tgt Ion:184 Resp: 60443

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

183 11.9 9.7 14.5



#78

Pyrene

Concen: 3.662 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

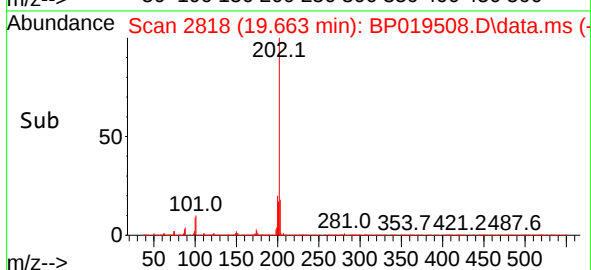
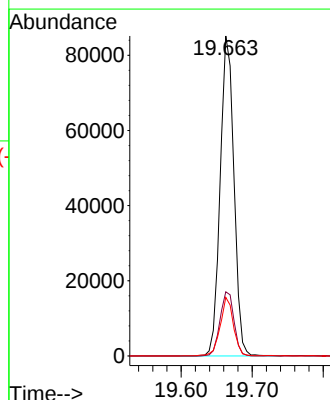
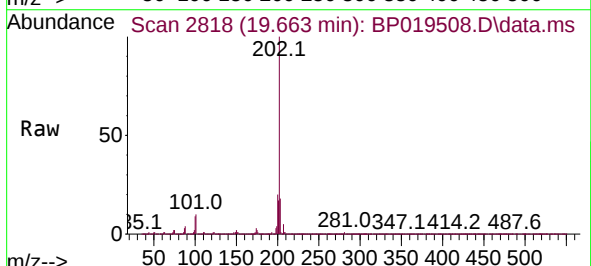
Tgt Ion:202 Resp: 113923

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 105.990 ng

RT: 19.875 min Scan# 2853

Delta R.T. 0.006 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

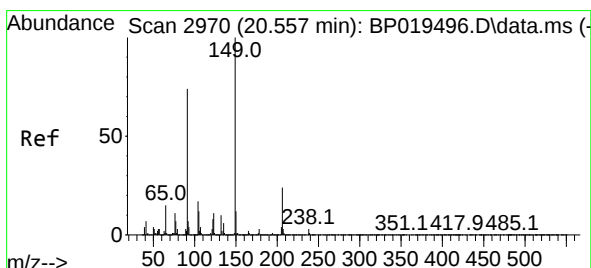
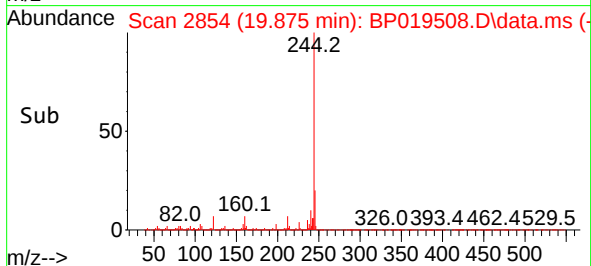
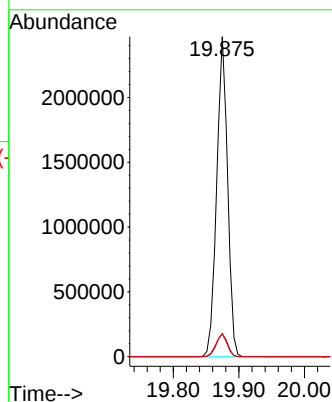
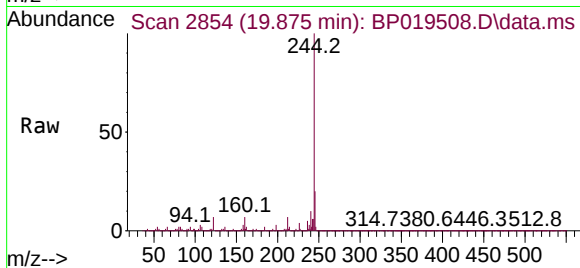
Tgt Ion:244 Resp: 2841186

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 7.1 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.678 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

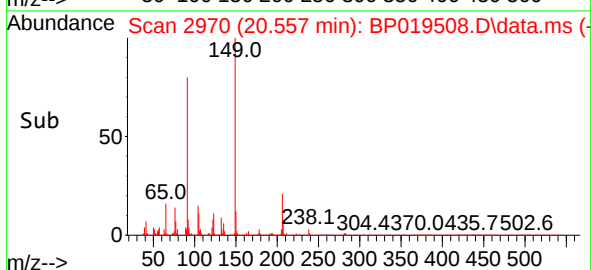
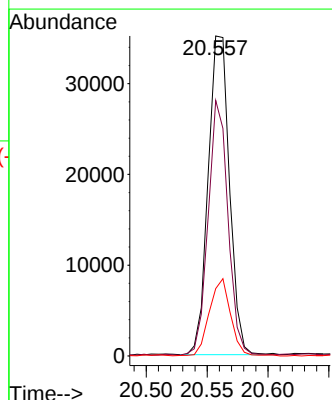
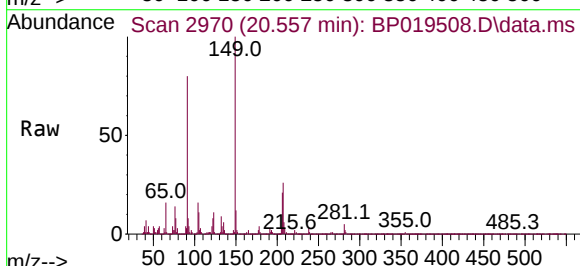
Tgt Ion:149 Resp: 42732

Ion Ratio Lower Upper

149 100

91 79.9 59.4 89.0

206 21.0 19.0 28.6





#81

Benzo(a)anthracene

Concen: 4.149 ng

RT: 21.381 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

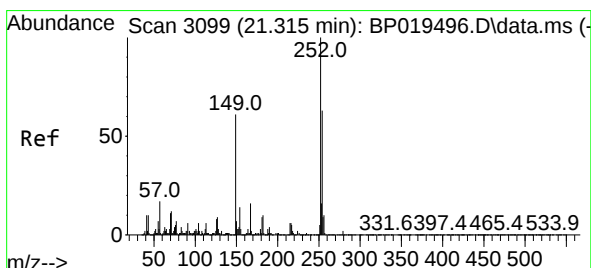
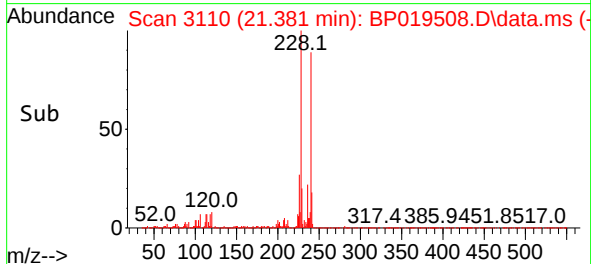
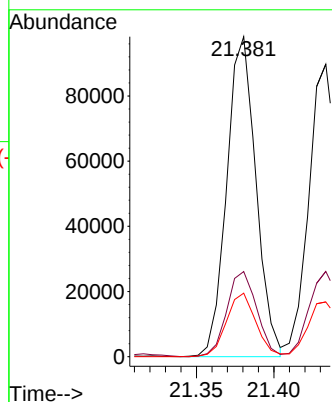
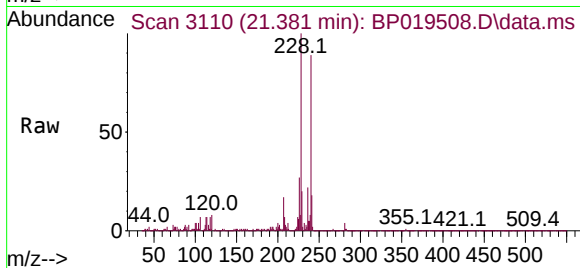
Tgt Ion:228 Resp: 128750

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 4.374 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

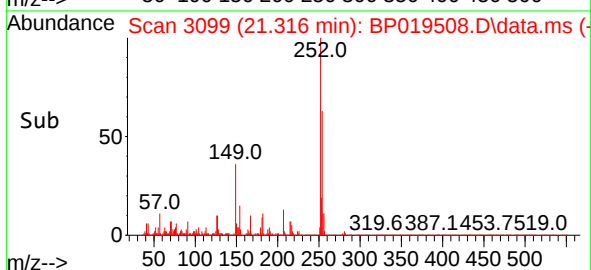
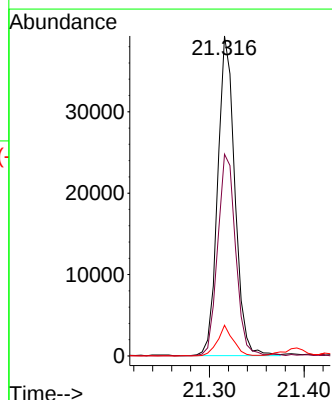
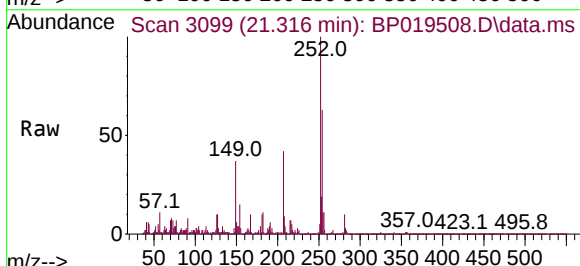
Tgt Ion:252 Resp: 49456

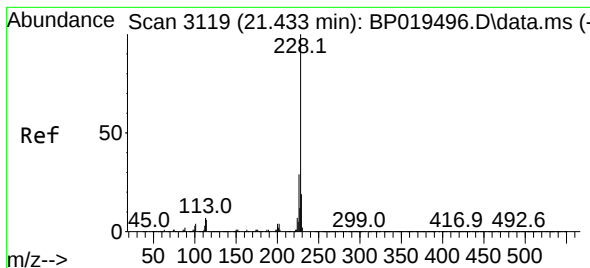
Ion Ratio Lower Upper

252 100

254 63.1 50.7 76.1

126 9.6 6.4 9.6#





#83

Chrysene

Concen: 4.111 ng

RT: 21.433 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

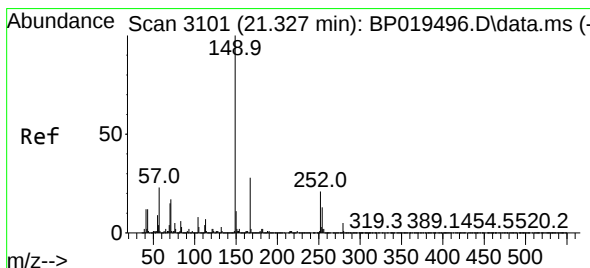
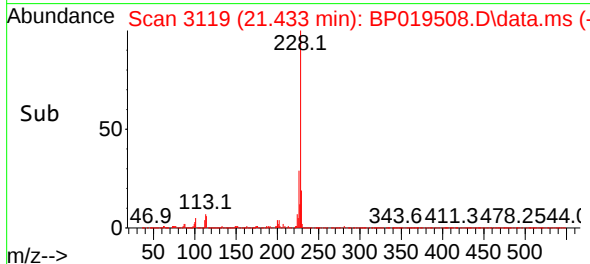
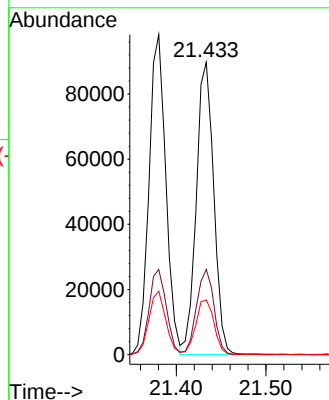
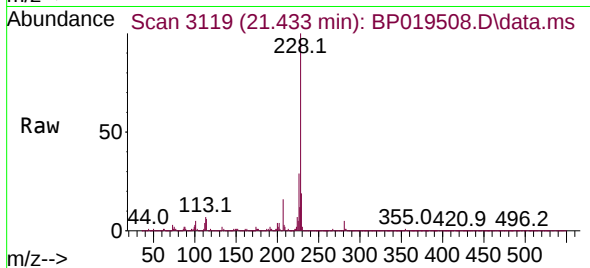
Tgt Ion:228 Resp: 121113

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

229 18.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.146 ng

RT: 21.328 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

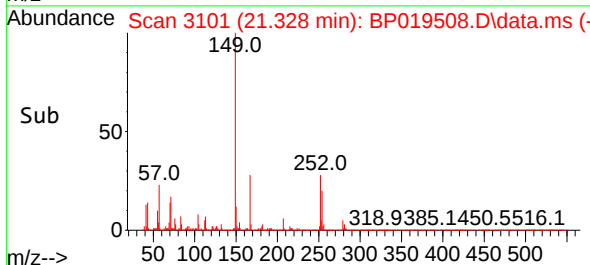
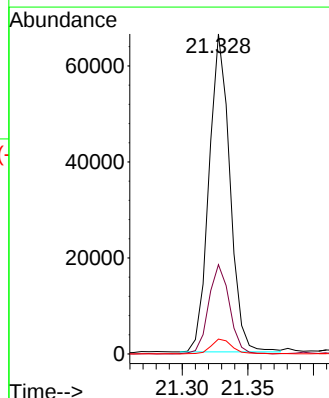
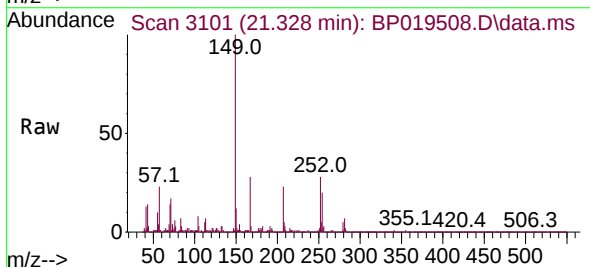
Tgt Ion:149 Resp: 73345

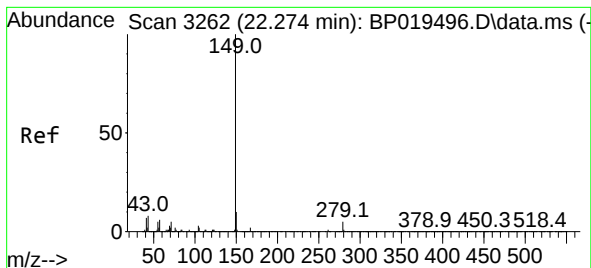
Ion Ratio Lower Upper

149 100

167 27.9 22.7 34.1

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 4.157 ng

RT: 22.275 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

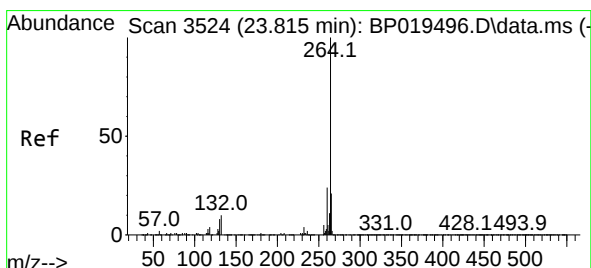
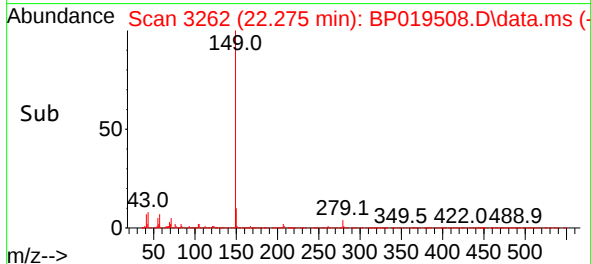
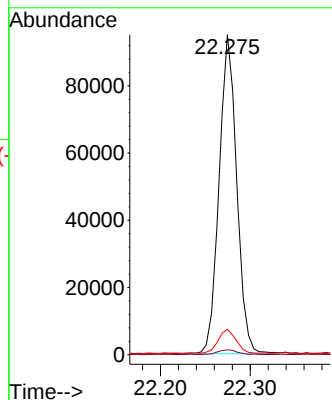
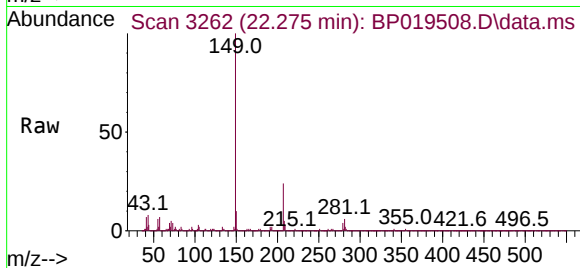
Tgt Ion:149 Resp: 129408

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 7.9 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.816 min Scan# 3524

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

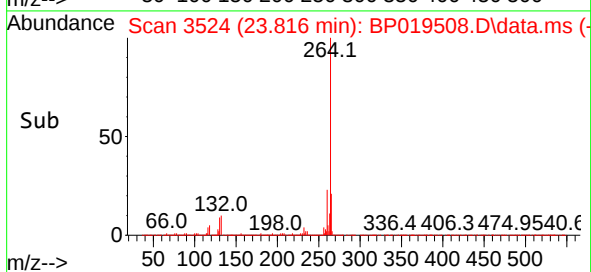
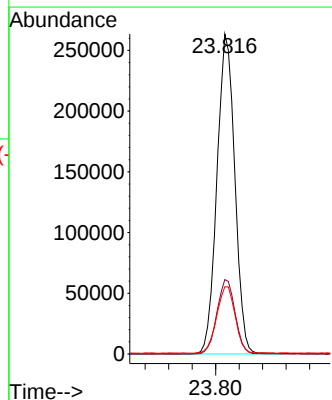
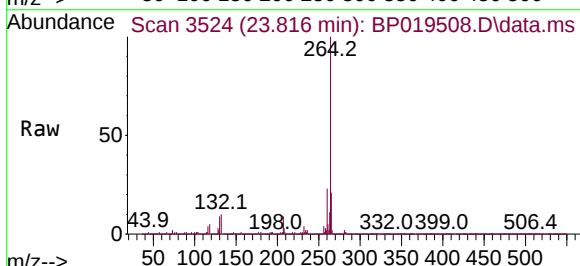
Tgt Ion:264 Resp: 555464

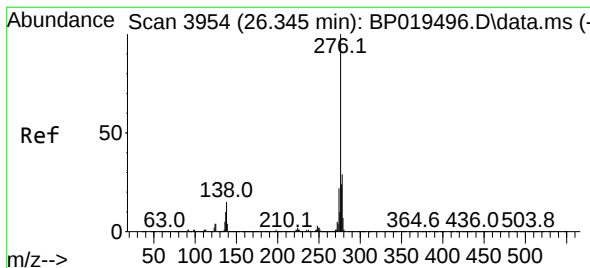
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.054 ng

RT: 26.345 min Scan# 3407

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

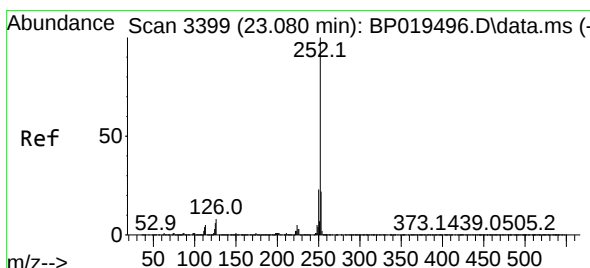
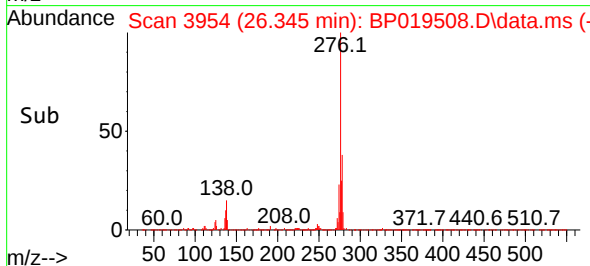
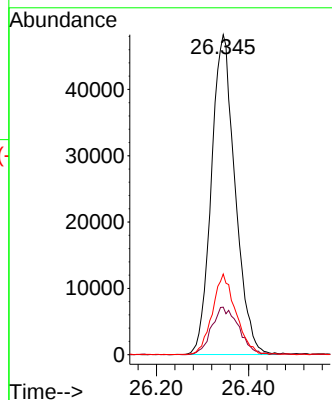
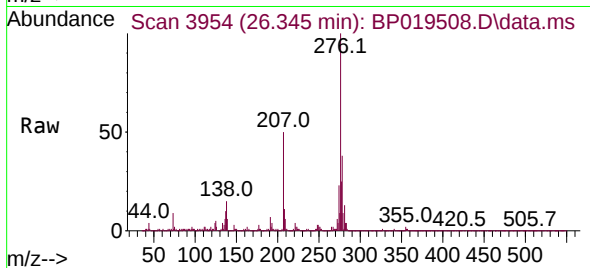
Tgt Ion:276 Resp: 172363

Ion Ratio Lower Upper

276 100

138 17.0 13.1 19.7

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.925 ng

RT: 23.127 min Scan# 3407

Delta R.T. 0.047 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

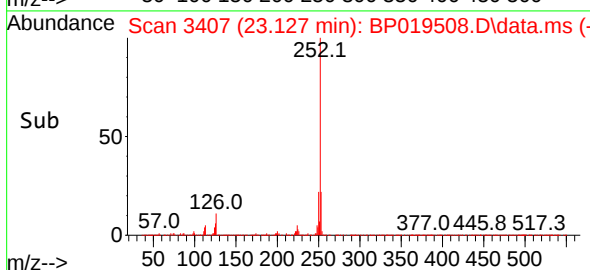
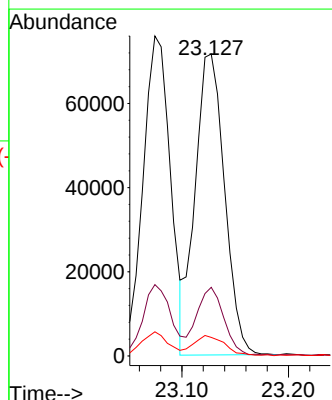
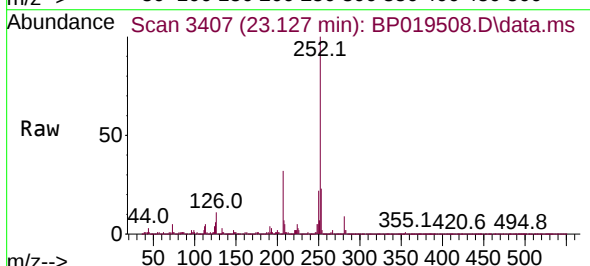
Tgt Ion:252 Resp: 137400

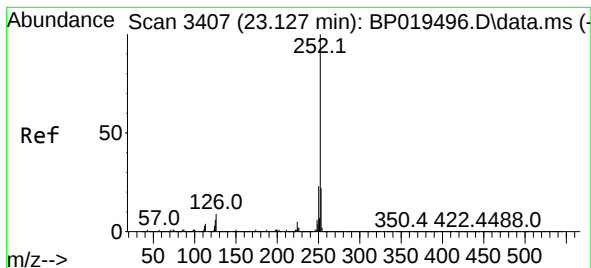
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 6.2 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 4.109 ng

RT: 23.127 min Scan# 3407

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

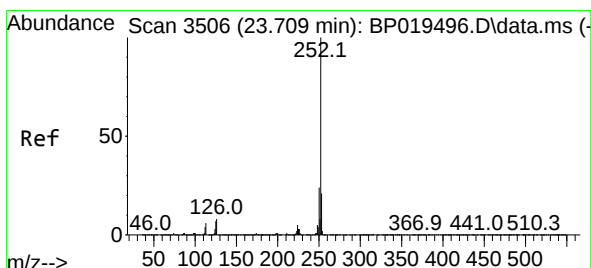
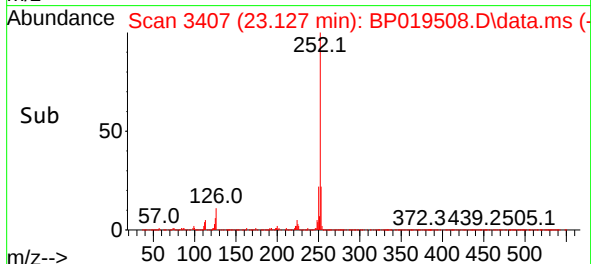
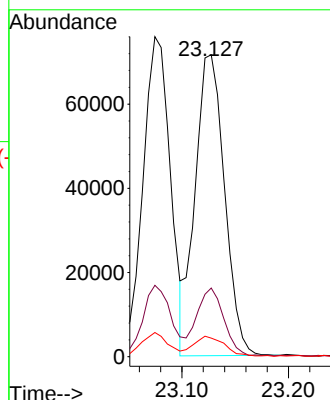
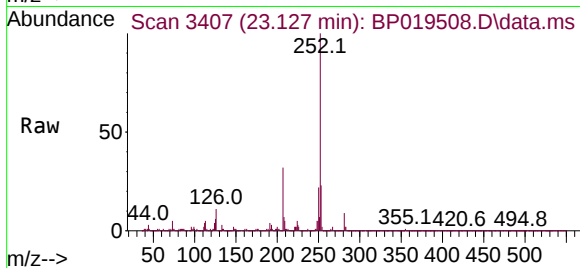
Tgt Ion:252 Resp: 137400

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 6.2 5.0 7.6



#90

Benzo(a)pyrene

Concen: 3.972 ng

RT: 23.710 min Scan# 3506

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

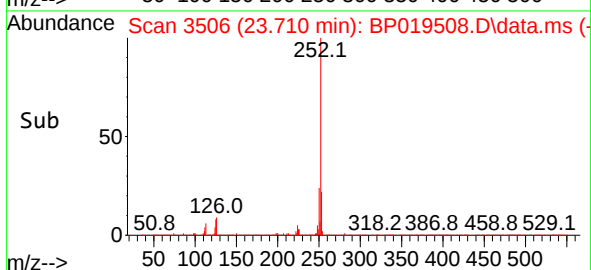
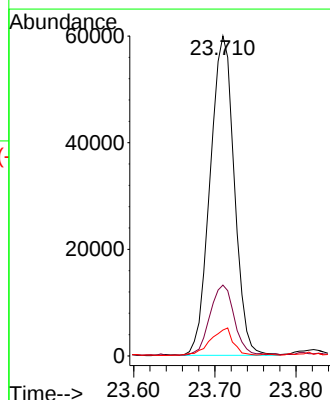
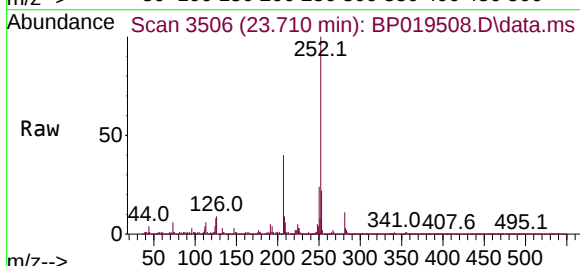
Tgt Ion:252 Resp: 123739

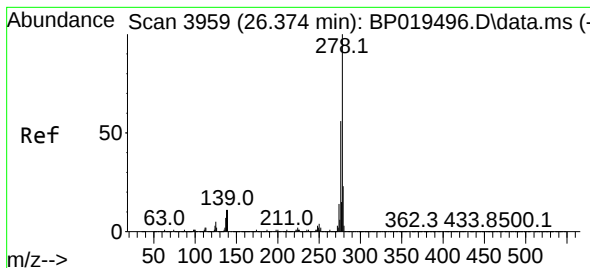
Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 4.036 ng

RT: 26.374 min Scan# 3959

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2023

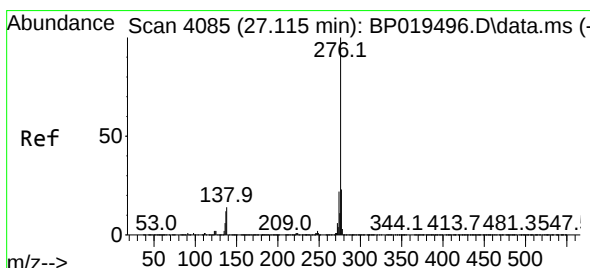
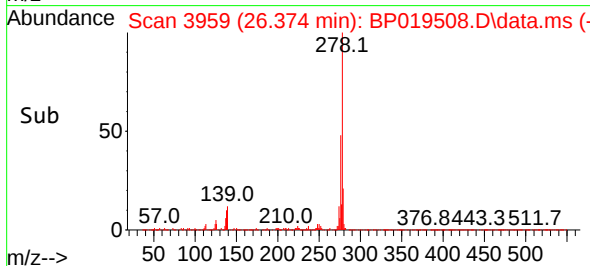
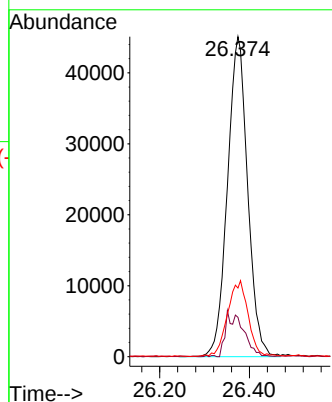
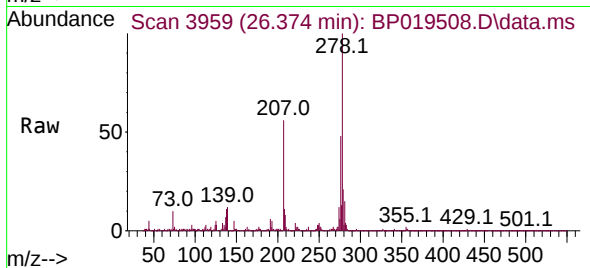
Tgt Ion:278 Resp: 141151

Ion Ratio Lower Upper

278 100

139 12.3 8.6 12.8

279 21.4 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.834 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019508.D

Acq: 01 Feb 2024 15:06

Tgt Ion:276 Resp: 136035

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 15.5 10.9 16.3

