

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015288.D
 Acq On : 25 May 2023 12:32
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 25 13:16:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	187713	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	721200	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	429160	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	855366	20.000	ng	0.00
76) Chrysene-d12	21.586	240	753259	20.000	ng	0.00
86) Perylene-d12	24.139	264	861838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1233412	108.880	ng	0.00
7) Phenol-d6	7.263	99	1643710	110.720	ng	0.00
23) Nitrobenzene-d5	9.287	82	1216552	82.362	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	639338	109.626	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2610688	81.671	ng	0.00
79) Terphenyl-d14	20.045	244	3234127	80.759	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	50928	10.150	ng	99
3) Pyridine	3.881	79	104495	8.149	ng	94
4) n-Nitrosodimethylamine	3.787	42	56180	9.388	ng	# 95
6) Aniline	7.428	93	185928	9.909	ng	98
8) 2-Chlorophenol	7.669	128	114609	9.682	ng	98
9) Benzaldehyde	7.240	77	108847	11.152	ng	99
10) Phenol	7.287	94	146304	9.840	ng	96
11) bis(2-Chloroethyl)ether	7.522	93	125380	10.061	ng	99
12) 1,3-Dichlorobenzene	7.999	146	135189	10.263	ng	97
13) 1,4-Dichlorobenzene	8.146	146	136610	10.303	ng	98
14) 1,2-Dichlorobenzene	8.469	146	129285	10.220	ng	99
15) Benzyl Alcohol	8.352	79	96307	9.294	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.634	45	166648	10.370	ng	99
17) 2-Methylphenol	8.552	107	95682	9.043	ng	95
18) Hexachloroethane	9.199	117	50299	10.065	ng	96
19) n-Nitroso-di-n-propyla...	8.922	70	95907	10.094	ng	98
20) 3+4-Methylphenols	8.887	107	128442	8.986	ng	99
22) Acetophenone	8.946	105	191228	10.209	ng	# 97
24) Nitrobenzene	9.328	77	146615	9.969	ng	96
25) Isophorone	9.857	82	250057	9.434	ng	98
26) 2-Nitrophenol	10.046	139	57863	8.963	ng	98
27) 2,4-Dimethylphenol	10.099	122	109617	10.128	ng	97
28) bis(2-Chloroethoxy)met...	10.340	93	163071	9.982	ng	99
29) 2,4-Dichlorophenol	10.581	162	104603	9.322	ng	97
30) 1,2,4-Trichlorobenzene	10.799	180	126967	10.143	ng	99
31) Naphthalene	10.987	128	378876	9.975	ng	99
32) Benzoic acid	10.181	122	42027	10.597	ng	95
33) 4-Chloroaniline	11.104	127	146651	9.339	ng	99
34) Hexachlorobutadiene	11.269	225	78358	9.880	ng	98
35) Caprolactam	11.869	113	28972	8.410	ng	98
36) 4-Chloro-3-methylphenol	12.216	107	112003	9.180	ng	96
37) 2-Methylnaphthalene	12.587	142	264362	9.793	ng	98
38) 1-Methylnaphthalene	12.804	142	244677	9.715	ng	99
40) 1,2,4,5-Tetrachloroben...	12.951	216	144922	10.291	ng	98
41) Hexachlorocyclopentadiene	12.928	237	75979	10.187	ng	99
43) 2,4,6-Trichlorophenol	13.193	196	85605	9.366	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015288.D
 Acq On : 25 May 2023 12:32
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 6 Sample Multiplier: 1

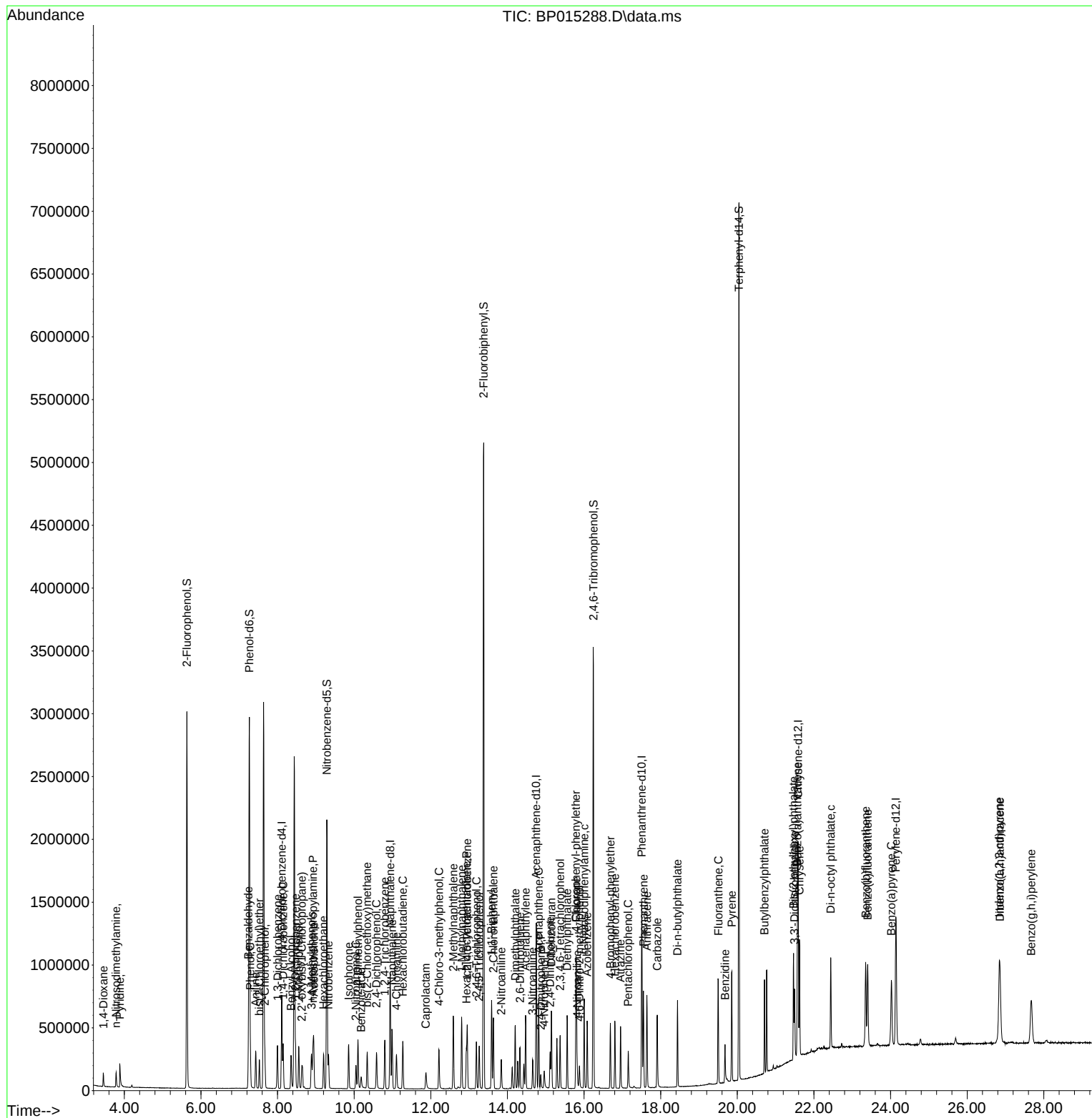
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

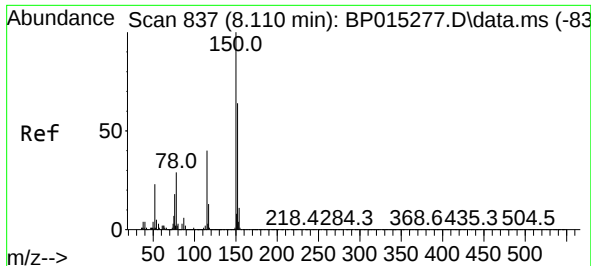
Quant Time: May 25 13:16:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.263	196	90854	8.455	ng	99
46) 1,1'-Biphenyl	13.587	154	346491	10.190	ng	97
47) 2-Chloronaphthalene	13.634	162	264105	10.296	ng	99
48) 2-Nitroaniline	13.840	65	64169	8.189	ng	97
49) Acenaphthylene	14.475	152	395629	9.639	ng	99
50) Dimethylphthalate	14.204	163	315903	9.409	ng	99
51) 2,6-Dinitrotoluene	14.328	165	61979	8.743	ng	96
52) Acenaphthene	14.816	154	240936	9.856	ng	96
53) 3-Nitroaniline	14.657	138	57975	8.002	ng	98
54) 2,4-Dinitrophenol	14.869	184	26040	10.292	ng	93
55) Dibenzofuran	15.145	168	390403	9.763	ng	99
56) 4-Nitrophenol	14.963	139	40446	9.511	ng	95
57) 2,4-Dinitrotoluene	15.116	165	76693	8.228	ng	98
58) Fluorene	15.798	166	301531	9.763	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.375	232	76670	8.921	ng	97
60) Diethylphthalate	15.557	149	304184	9.095	ng	99
61) 4-Chlorophenyl-phenyle...	15.787	204	152107	9.618	ng	97
62) 4-Nitroaniline	15.822	138	53976	8.901	ng	93
63) Azobenzene	16.081	77	297911	9.337	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	39841	7.668	ng	97
66) n-Nitrosodiphenylamine	16.004	169	258701	10.150	ng	99
67) 4-Bromophenyl-phenylether	16.687	248	90215	9.754	ng	98
68) Hexachlorobenzene	16.804	284	105116	10.320	ng	97
69) Atrazine	16.951	200	84843	10.425	ng	98
70) Pentachlorophenol	17.151	266	52197	7.478	ng	96
71) Phenanthrene	17.551	178	453785	9.954	ng	99
72) Anthracene	17.639	178	442759	9.697	ng	99
73) Carbazole	17.910	167	384362	9.507	ng	99
74) Di-n-butylphthalate	18.439	149	455942	8.782	ng	99
75) Fluoranthene	19.504	202	490407	9.208	ng	98
77) Benzidine	19.680	184	212896	17.848	ng	100
78) Pyrene	19.857	202	523198	9.708	ng	100
80) Butylbenzylphthalate	20.710	149	185908	8.140	ng	99
81) Benzo(a)anthracene	21.569	228	501097	9.574	ng	99
82) 3,3'-Dichlorobenzidine	21.492	252	182087	11.264	ng	98
83) Chrysene	21.622	228	479334	9.551	ng	99
84) Bis(2-ethylhexyl)phtha...	21.469	149	281141	8.358	ng	98
85) Di-n-octyl phthalate	22.439	149	467836	8.221	ng	99
87) Indeno(1,2,3-cd)pyrene	26.839	276	600820	9.618	ng	100
88) Benzo(b)fluoranthene	23.351	252	497792	9.500	ng	99
89) Benzo(k)fluoranthene	23.404	252	515440	9.768	ng	97
90) Benzo(a)pyrene	24.021	252	435177	8.602	ng	99
91) Dibenzo(a,h)anthracene	26.857	278	494290	9.635	ng	99
92) Benzo(g,h,i)perylene	27.674	276	494972	9.496	ng	99

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

Quant Time: May 25 13:16:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 25 01:41:43 2023
Response via : Initial Calibration

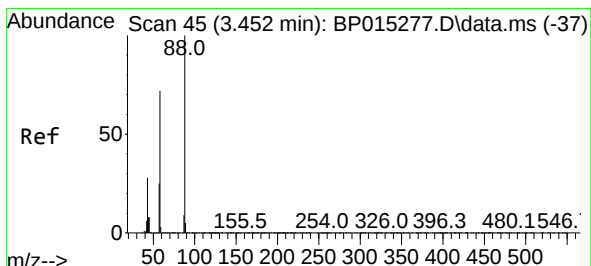
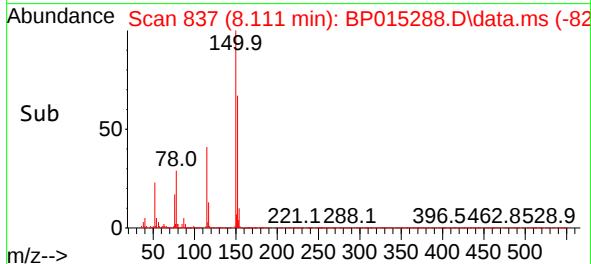
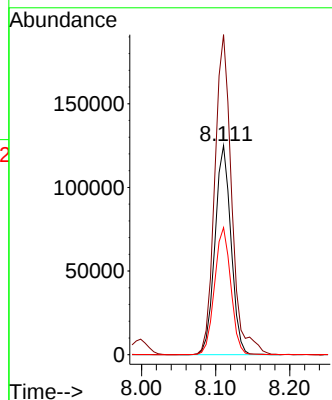
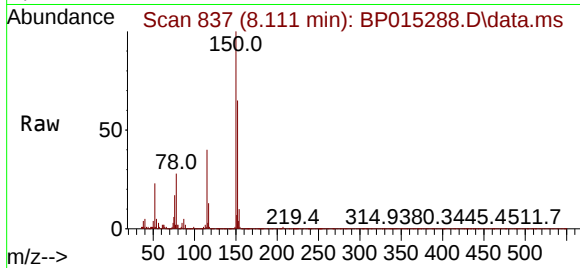




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.111 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BP015288.D
 Acq: 25 May 2023 12:32

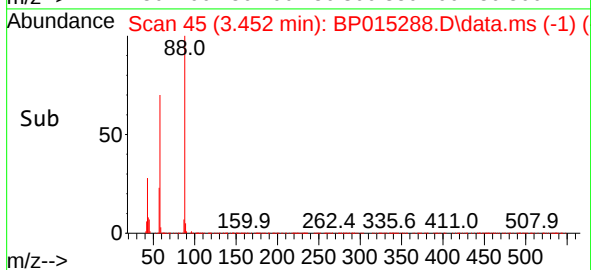
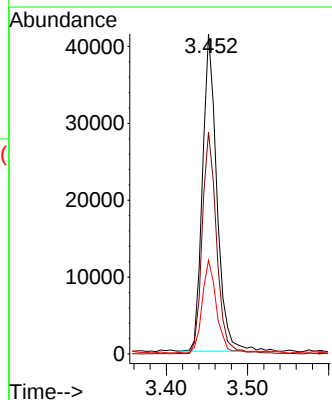
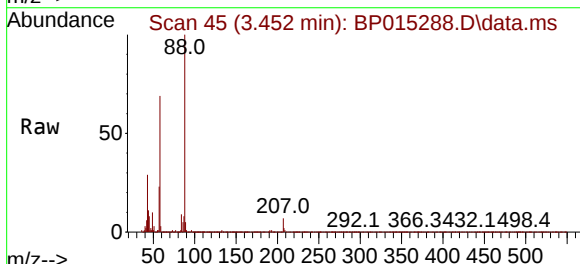
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

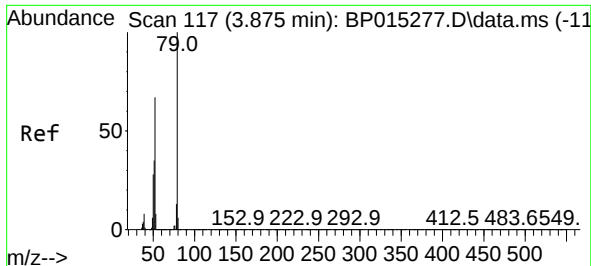
Tgt Ion:152 Resp: 187713
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.2 186.2
 115 60.8 49.1 73.7



#2
 1,4-Dioxane
 Concen: 10.150 ng
 RT: 3.452 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BP015288.D
 Acq: 25 May 2023 12:32

Tgt Ion: 88 Resp: 50928
 Ion Ratio Lower Upper
 88 100
 58 70.2 56.2 84.4
 43 28.8 22.1 33.1

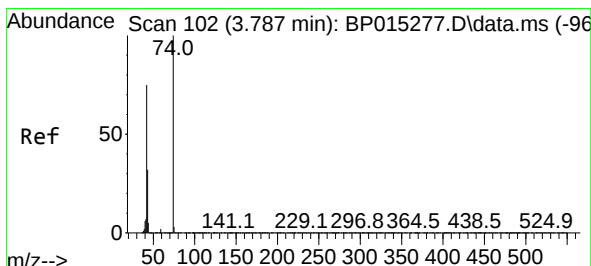
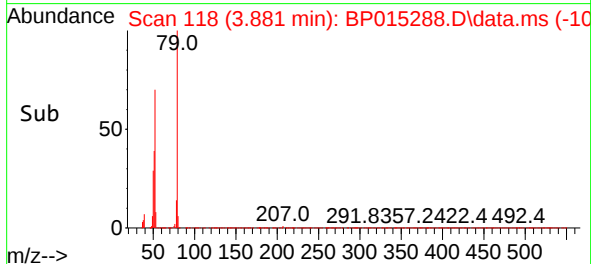
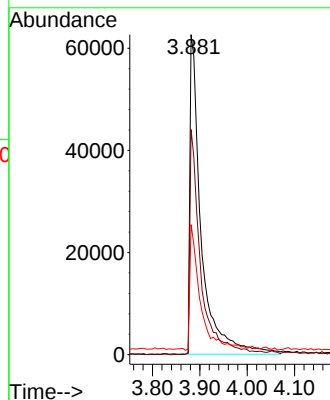
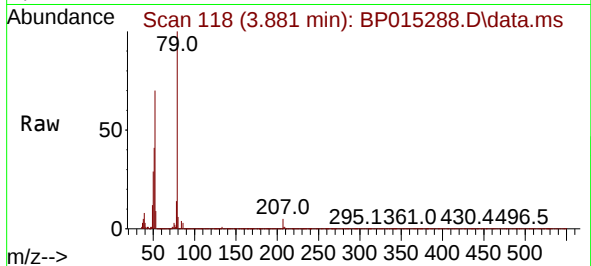




#3
Pyridine
Concen: 8.149 ng
RT: 3.881 min Scan# 117
Delta R.T. 0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

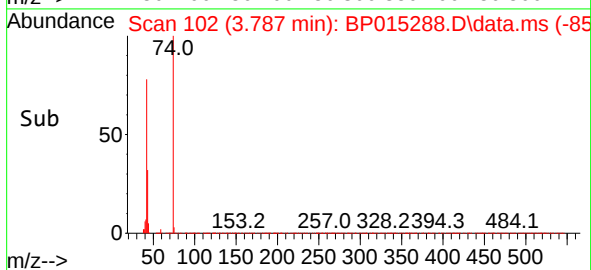
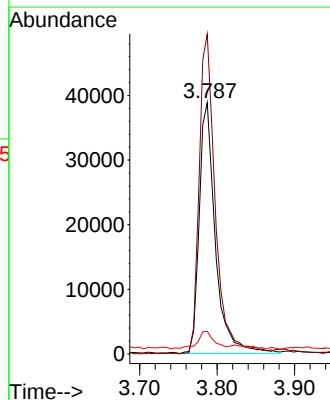
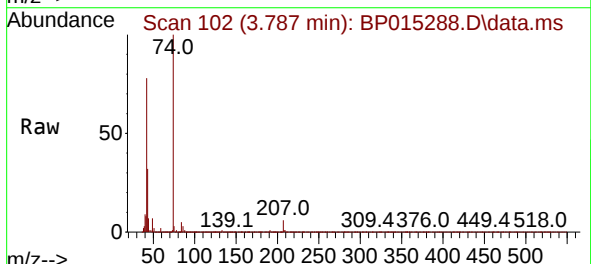
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

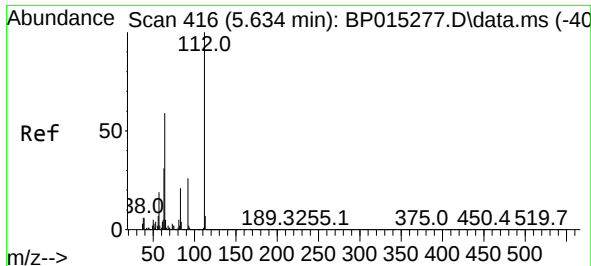
Tgt Ion: 79 Resp: 104495
Ion Ratio Lower Upper
79 100
52 70.4 53.7 80.5
51 40.7 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 9.388 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 42 Resp: 56180
Ion Ratio Lower Upper
42 100
74 127.4 106.6 160.0
44 9.1 5.8 8.8#

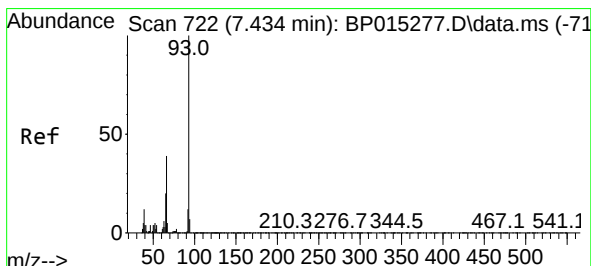
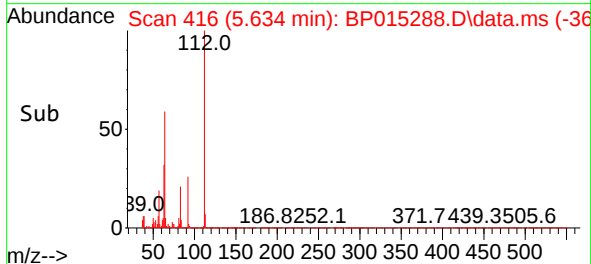
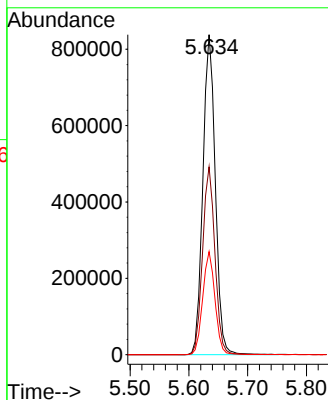
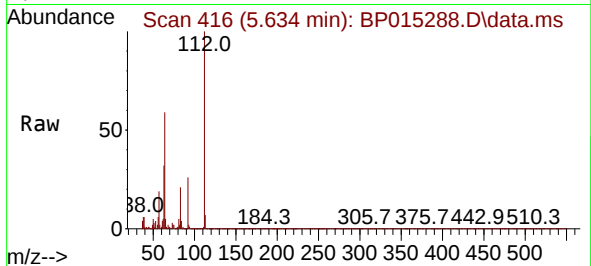




#5
2-Fluorophenol
Concen: 108.880 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

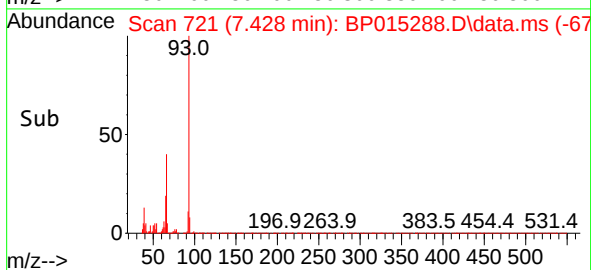
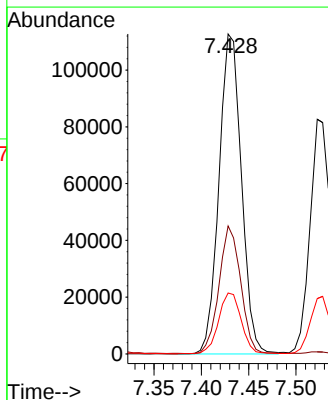
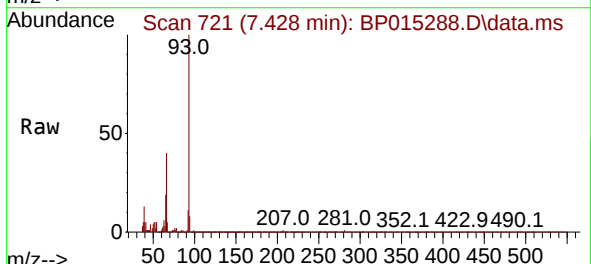
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

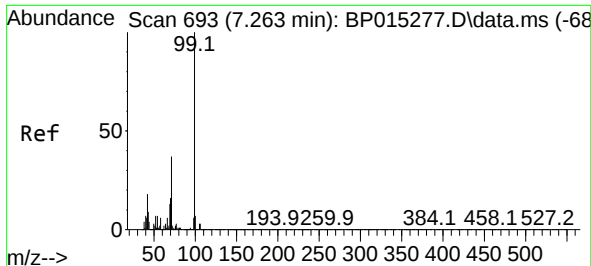
Tgt Ion:112 Resp: 1233412
Ion Ratio Lower Upper
112 100
64 58.7 47.2 70.8
63 32.2 24.6 37.0



#6
Aniline
Concen: 9.909 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 93 Resp: 185928
Ion Ratio Lower Upper
93 100
66 40.0 31.3 46.9
65 19.0 16.0 24.0



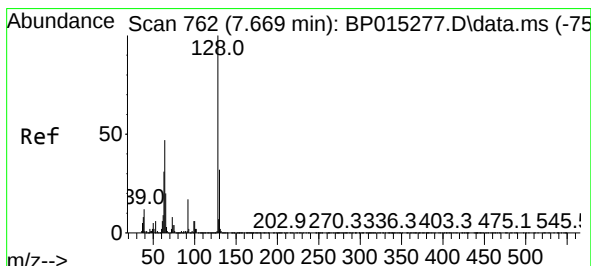
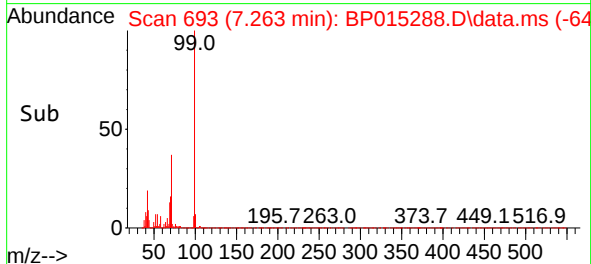
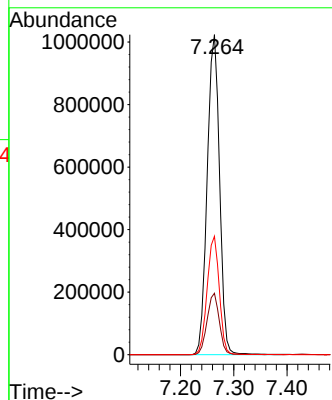
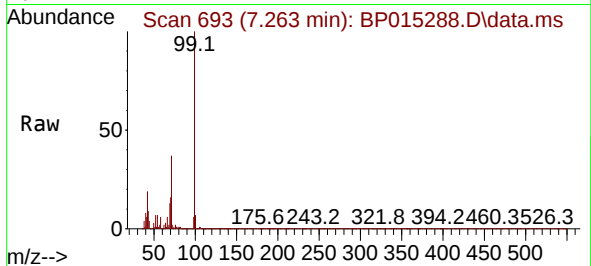


#7
Phenol-d6
Concen: 110.720 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 99 Resp: 1643710

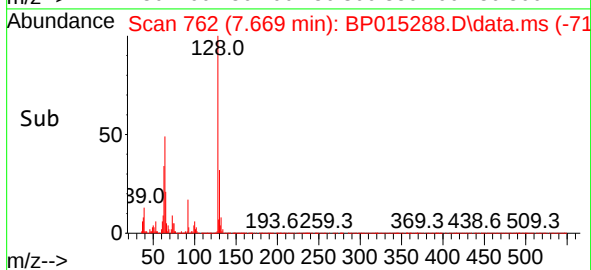
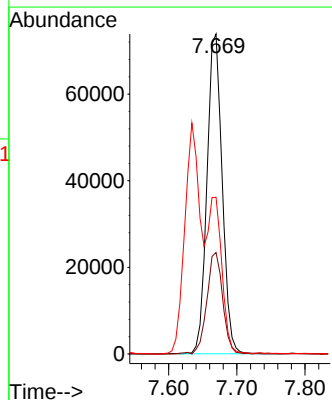
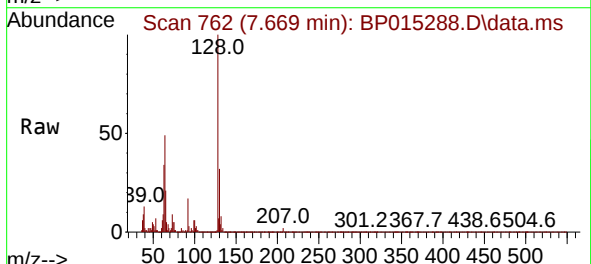
Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.6	22.0
71	37.0	29.4	44.2

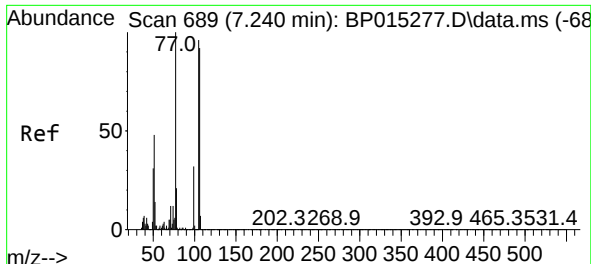


#8
2-Chlorophenol
Concen: 9.682 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 128 Resp: 114609

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.5	51.5
64	48.9	27.3	67.3

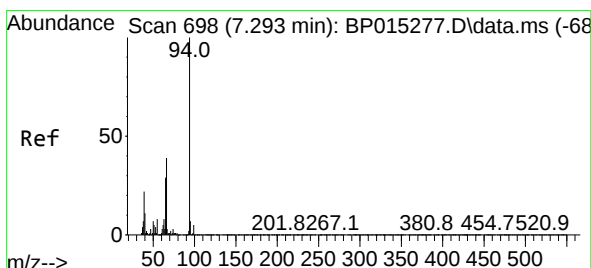
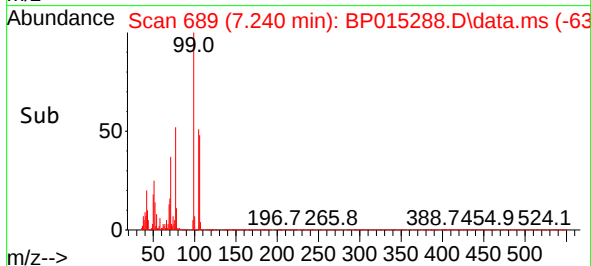
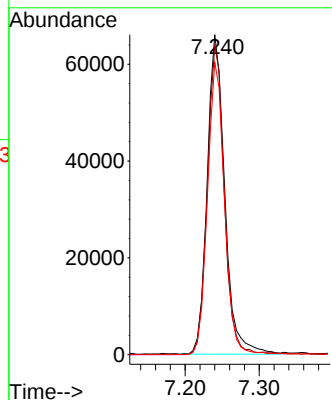
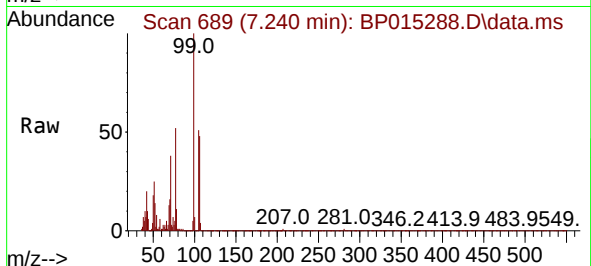




#9
Benzaldehyde
Concen: 11.152 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

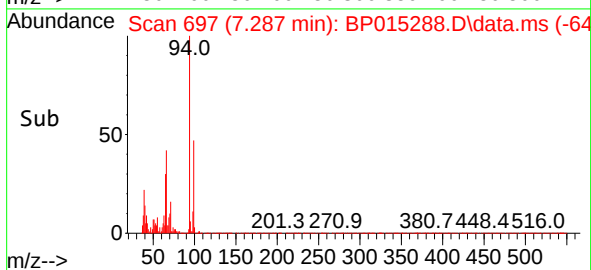
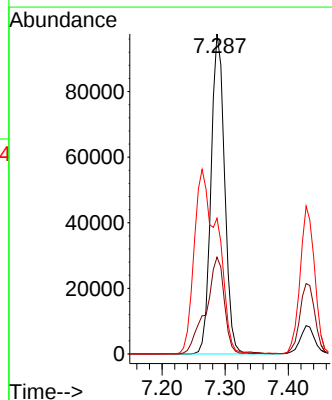
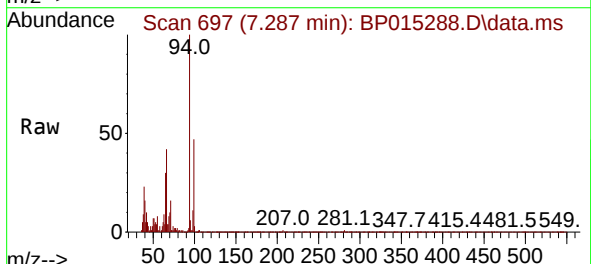
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

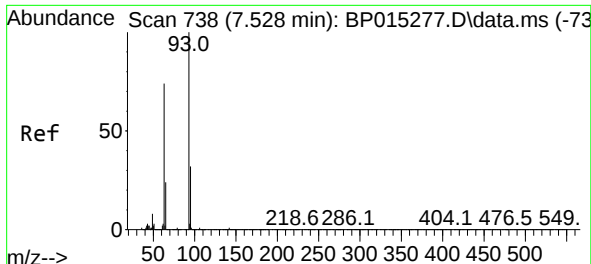
Tgt Ion: 77 Resp: 108847
Ion Ratio Lower Upper
77 100
105 96.5 75.9 115.9
106 91.4 72.3 112.3



#10
Phenol
Concen: 9.840 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 94 Resp: 146304
Ion Ratio Lower Upper
94 100
65 30.3 9.1 49.1
66 42.4 19.3 59.3

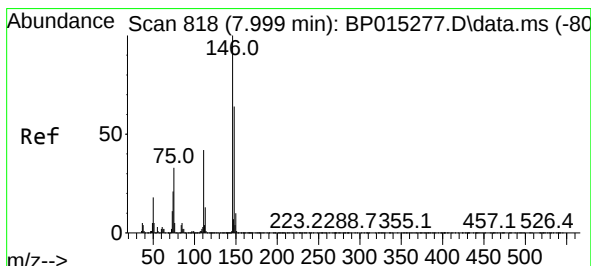
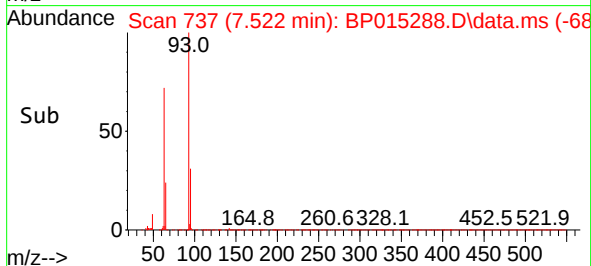
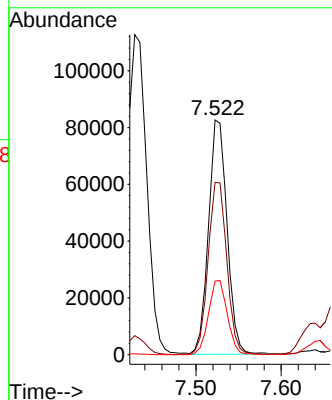
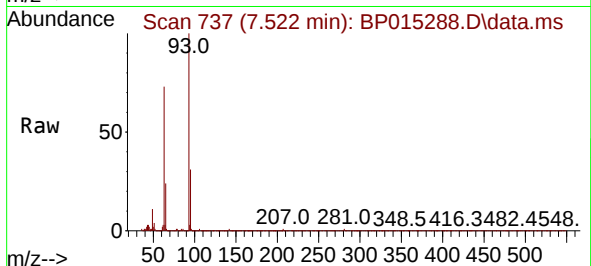




#11
bis(2-Chloroethyl)ether
Concen: 10.061 ng
RT: 7.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

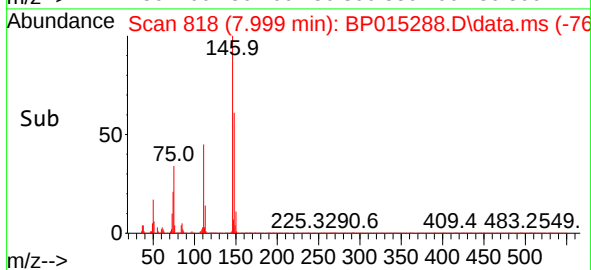
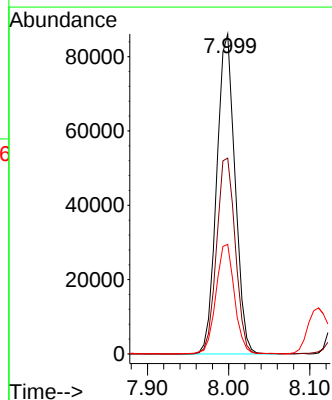
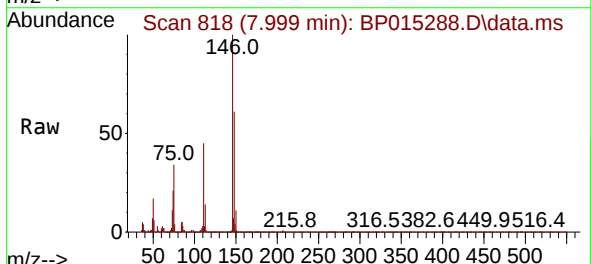
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

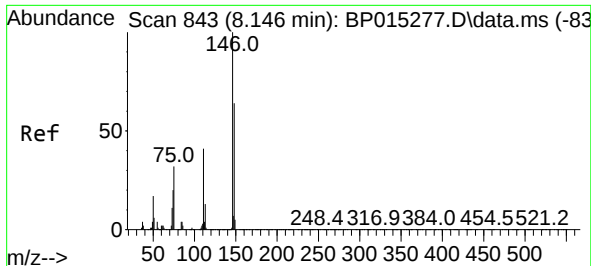
Tgt Ion: 93 Resp: 125380
Ion Ratio Lower Upper
93 100
63 73.5 53.9 93.9
95 31.4 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 10.263 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:146 Resp: 135189
Ion Ratio Lower Upper
146 100
148 61.2 50.8 76.2
75 34.2 26.1 39.1

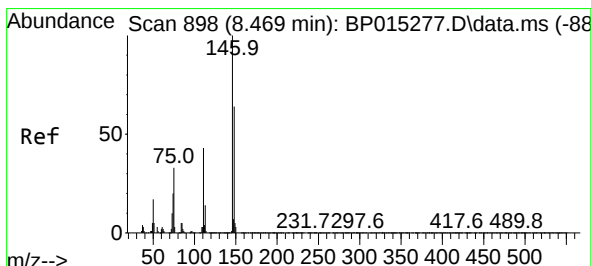
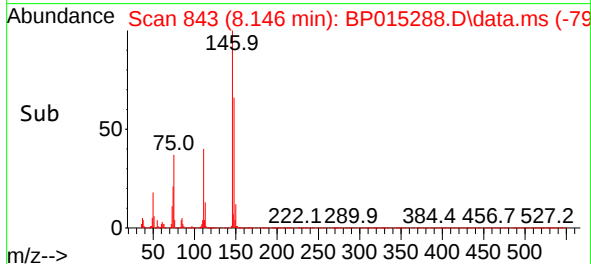
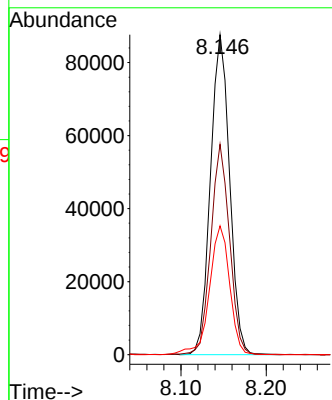
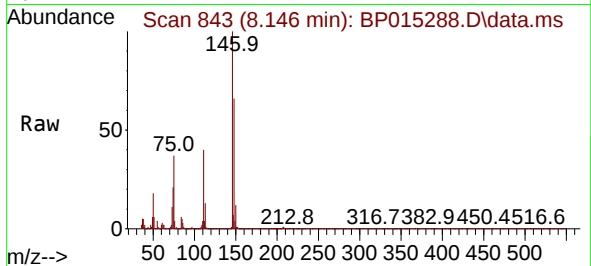




#13
1,4-Dichlorobenzene
Concen: 10.303 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

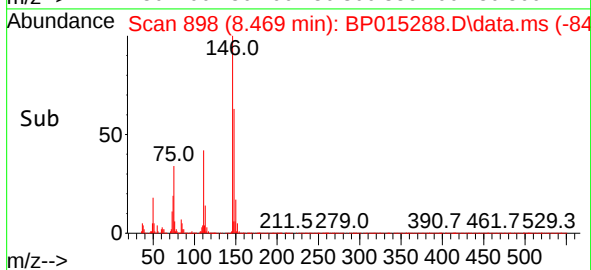
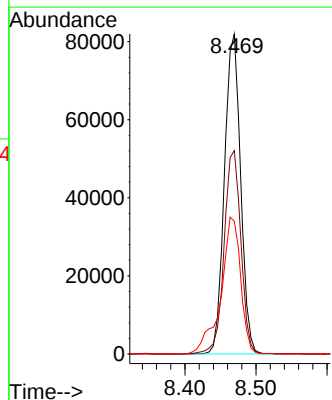
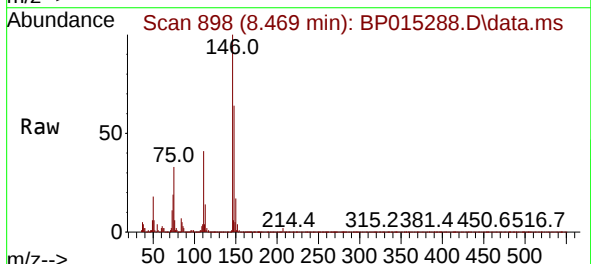
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

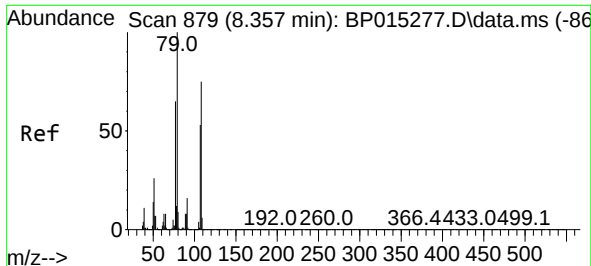
Tgt Ion:146 Resp: 136610
Ion Ratio Lower Upper
146 100
148 65.7 51.0 76.6
111 40.3 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 10.220 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:146 Resp: 129285
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.2
111 41.5 34.2 51.2

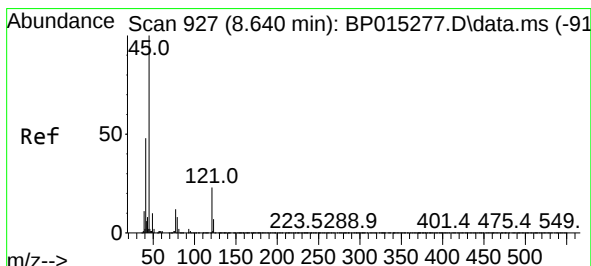
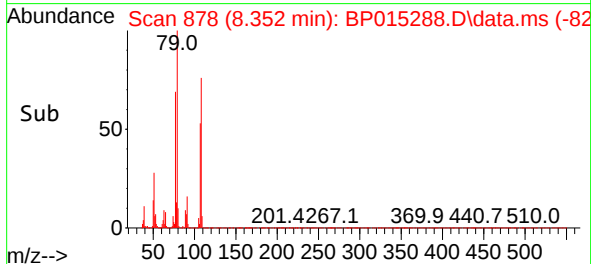
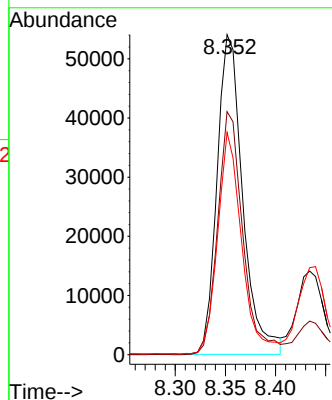
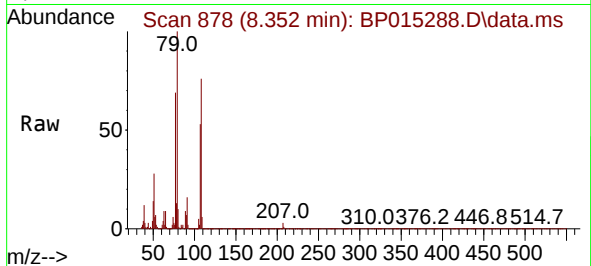




#15
Benzyl Alcohol
Concen: 9.294 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

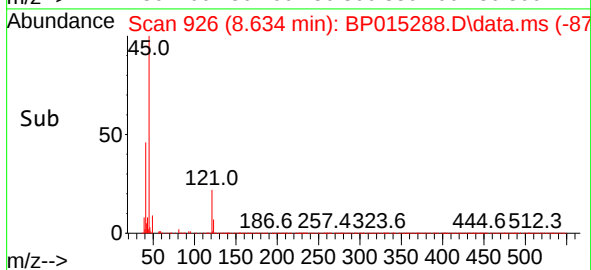
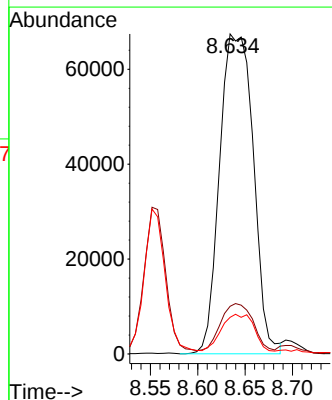
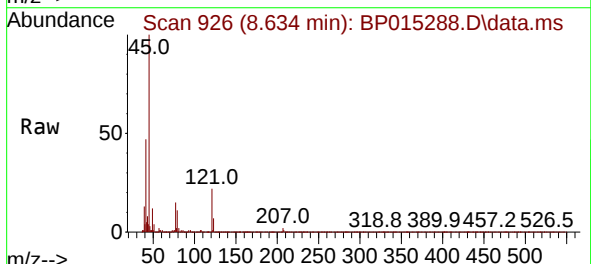
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

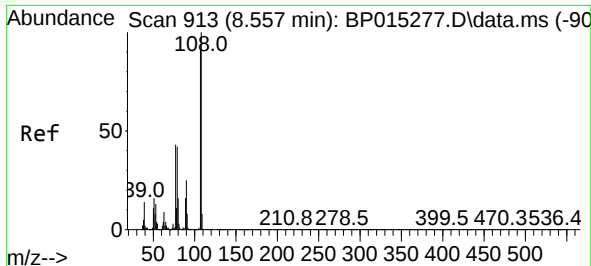
Tgt Ion: 79 Resp: 96307
Ion Ratio Lower Upper
79 100
108 76.0 60.2 90.2
77 69.4 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.370 ng
RT: 8.634 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 45 Resp: 166648
Ion Ratio Lower Upper
45 100
77 14.9 0.0 35.3
79 11.4 0.0 31.2





#17

2-Methylphenol

Concen: 9.043 ng

RT: 8.552 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP015288.D

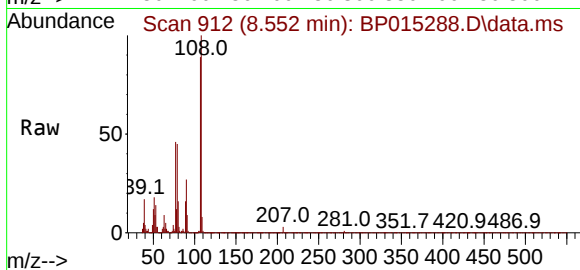
Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:107 Resp: 95682

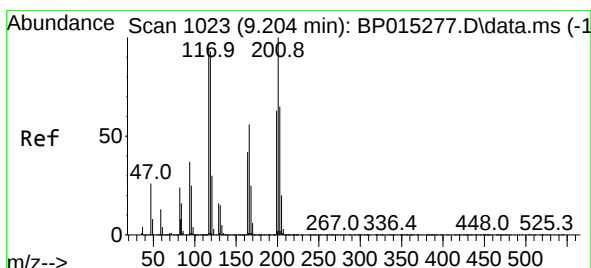
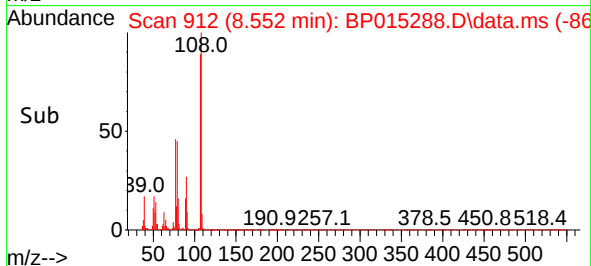
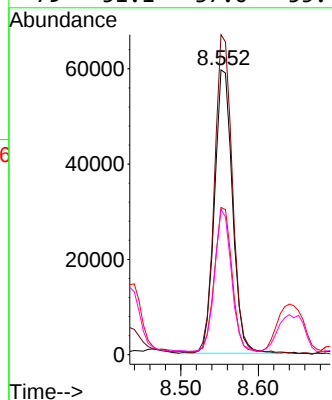
Ion Ratio Lower Upper

107 100

108 112.3 87.3 130.9

77 51.7 38.1 57.1

79 51.1 37.0 55.4



#18

Hexachloroethane

Concen: 10.065 ng

RT: 9.199 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

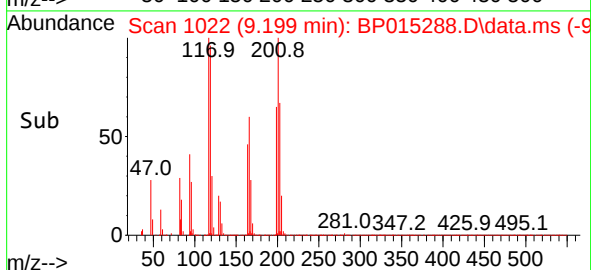
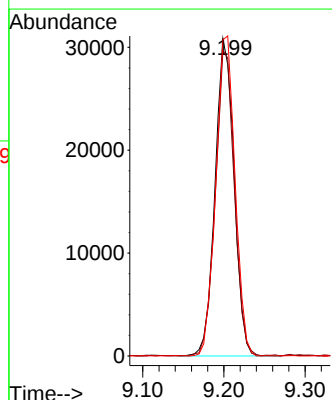
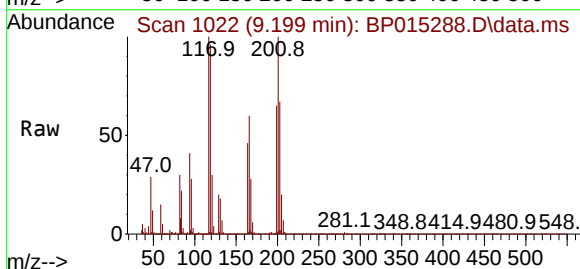
Tgt Ion:117 Resp: 50299

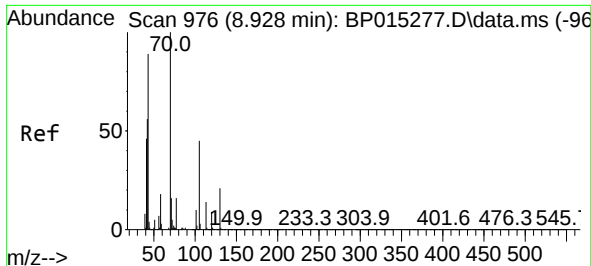
Ion Ratio Lower Upper

117 100

119 96.3 78.8 118.2

201 99.6 84.5 126.7

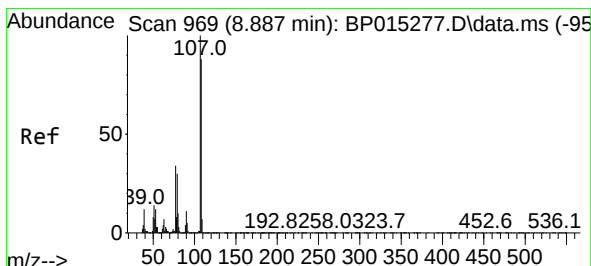
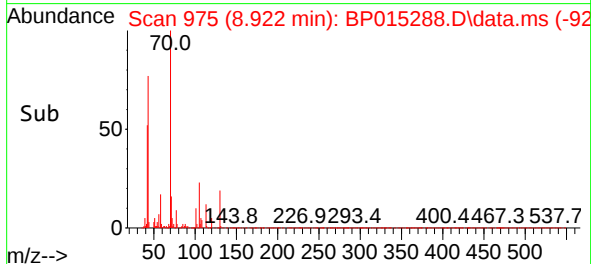
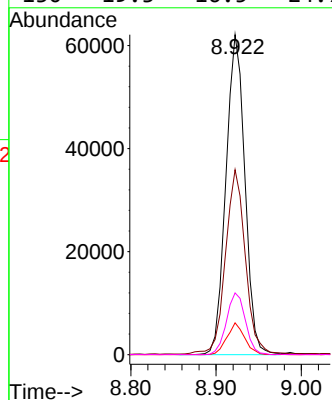
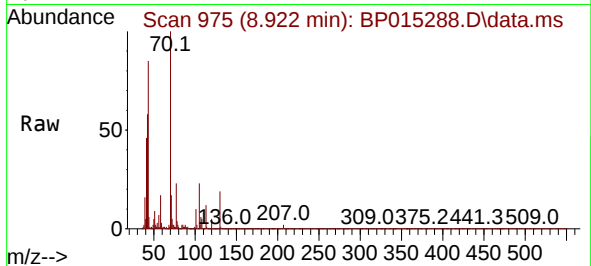




#19
n-Nitroso-di-n-propylamine
Concen: 10.094 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

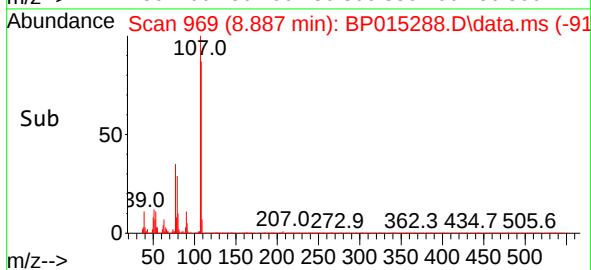
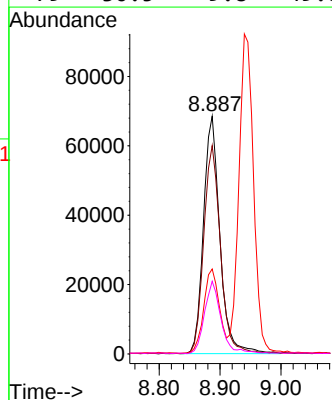
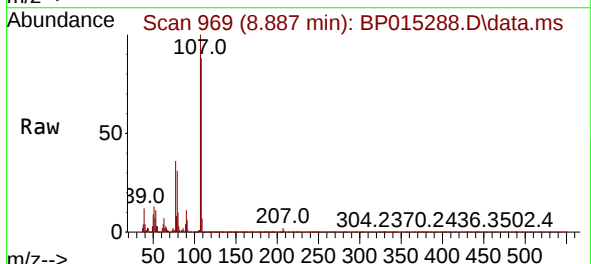
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

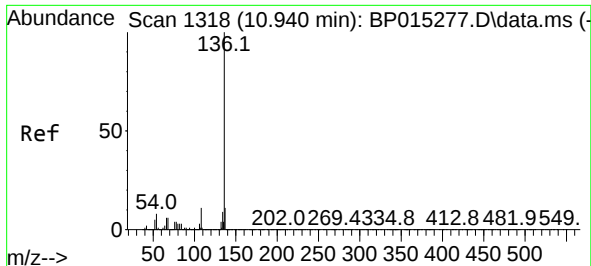
Tgt Ion:	70	Resp:	95907
Ion	Ratio	Lower	Upper
70	100		
42	57.8	45.4	68.2
101	10.0	7.9	11.9
130	19.3	16.5	24.7



#20
3+4-Methylphenols
Concen: 8.986 ng
RT: 8.887 min Scan# 969
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:	107	Resp:	128442
Ion	Ratio	Lower	Upper
107	100		
108	87.6	68.0	108.0
77	35.7	14.5	54.5
79	30.5	9.8	49.8

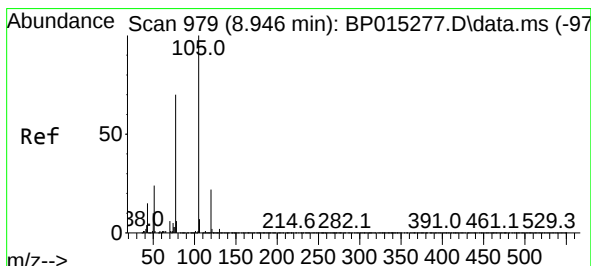
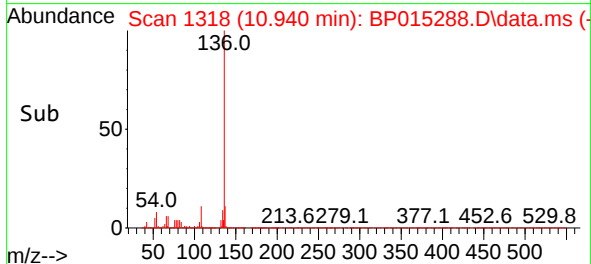
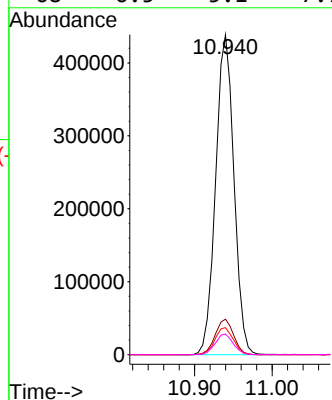
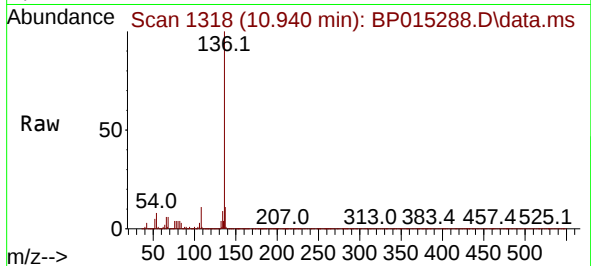




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

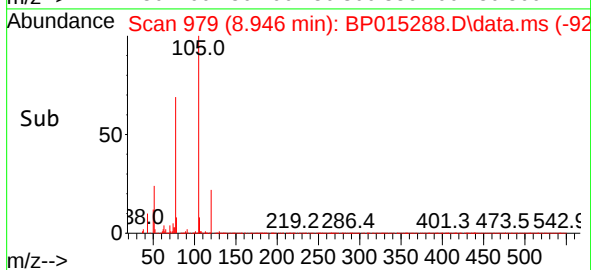
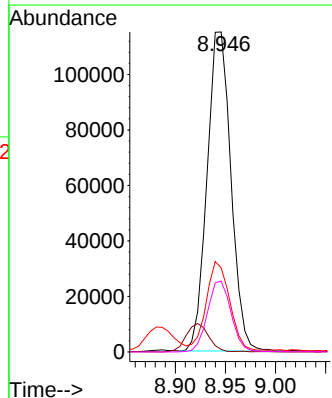
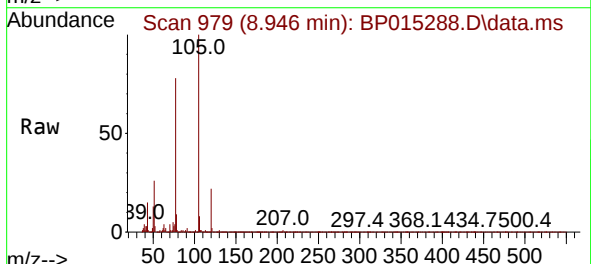
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

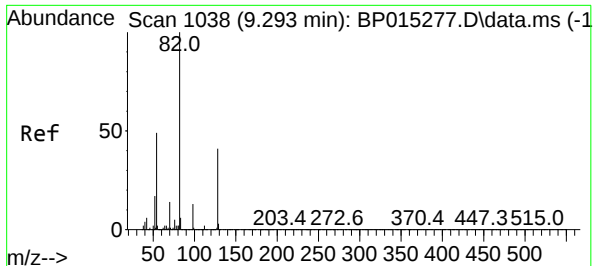
Tgt Ion:	136	Resp:	721200
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	6.3	9.5
68	6.5	5.1	7.7



#22
Acetophenone
Concen: 10.209 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:	105	Resp:	191228
Ion	Ratio	Lower	Upper
105	100		
71	0.8	1.5	2.3
51	26.3	22.5	33.7
120	22.1	17.2	25.8





#23

Nitrobenzene-d5

Concen: 82.362 ng

RT: 9.287 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

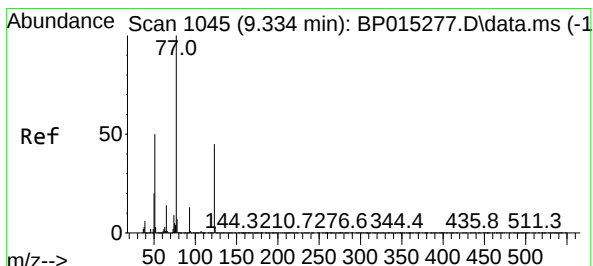
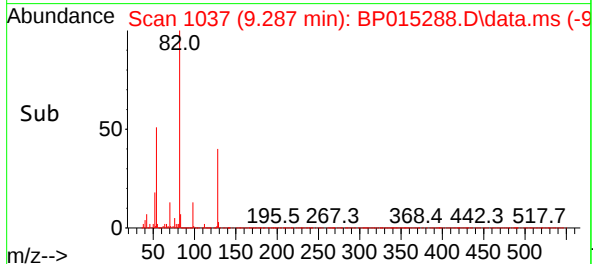
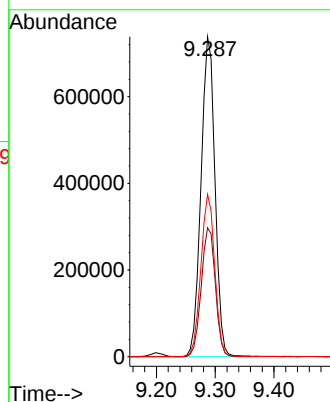
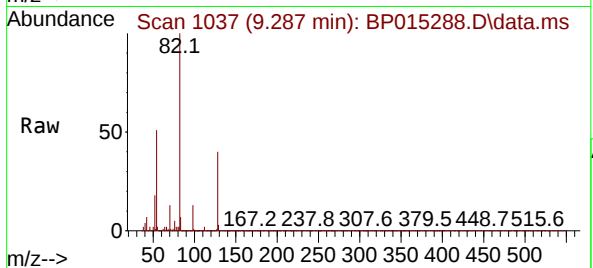
BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 82 Resp: 1216552

Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.0	49.4
54	50.8	39.2	58.8



#24

Nitrobenzene

Concen: 9.969 ng

RT: 9.328 min Scan# 1044

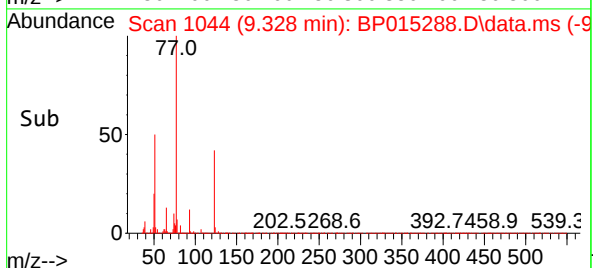
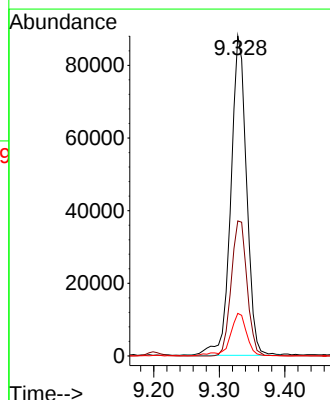
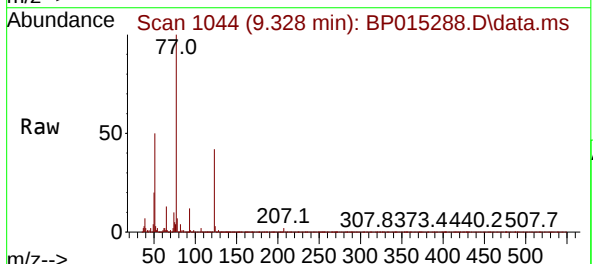
Delta R.T. -0.006 min

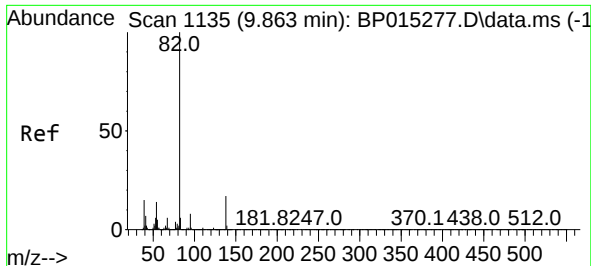
Lab File: BP015288.D

Acq: 25 May 2023 12:32

Tgt Ion: 77 Resp: 146615

Ion	Ratio	Lower	Upper
77	100		
123	42.2	36.2	54.4
65	13.3	10.8	16.2





#25

Isophorone

Concen: 9.434 ng

RT: 9.857 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

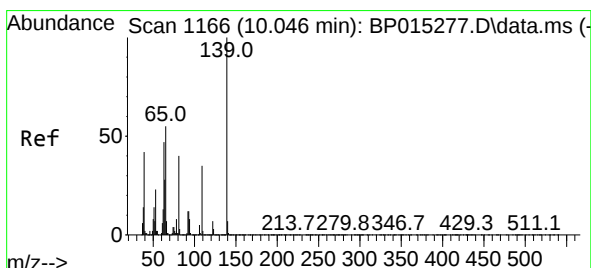
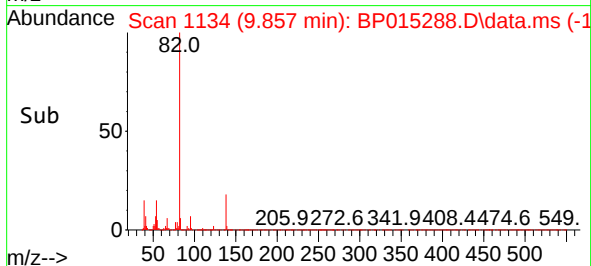
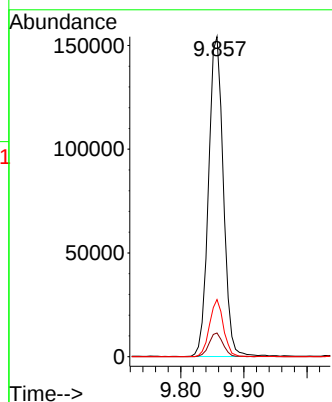
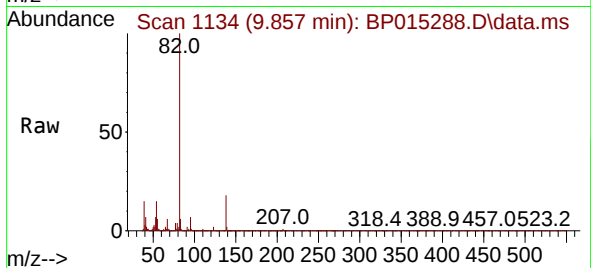
Tgt Ion: 82 Resp: 250057

Ion Ratio Lower Upper

82 100

95 7.4 6.3 9.5

138 17.8 13.6 20.4



#26

2-Nitrophenol

Concen: 8.963 ng

RT: 10.046 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

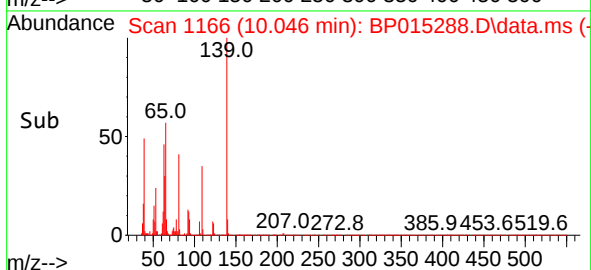
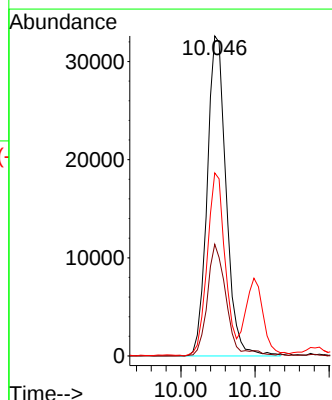
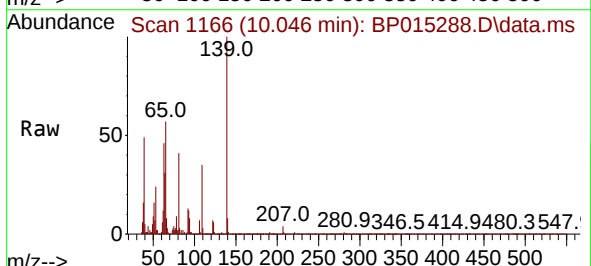
Tgt Ion:139 Resp: 57863

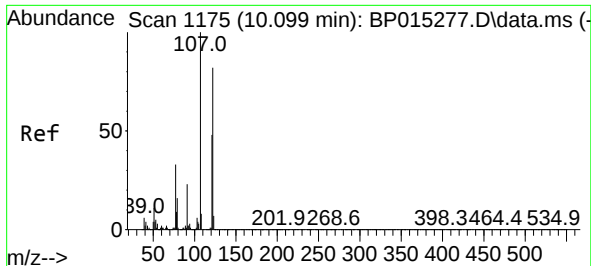
Ion Ratio Lower Upper

139 100

109 34.9 28.4 42.6

65 57.2 43.8 65.8

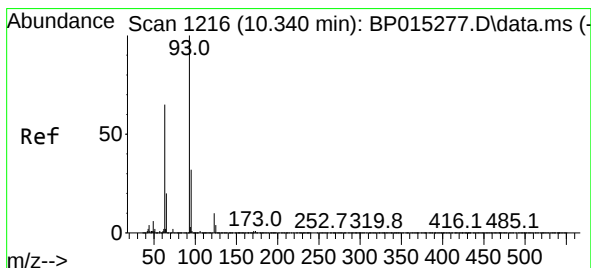
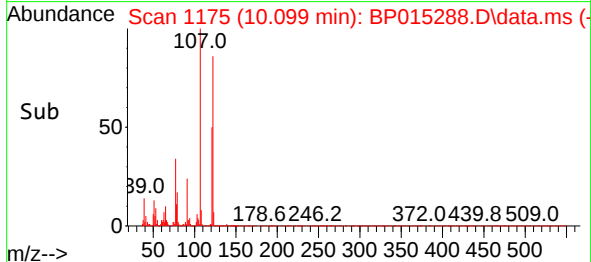
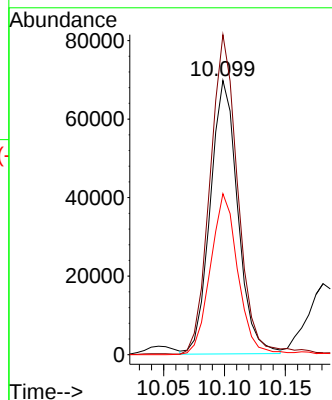
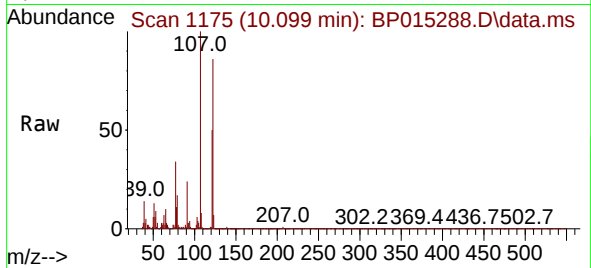




#27
2,4-Dimethylphenol
Concen: 10.128 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

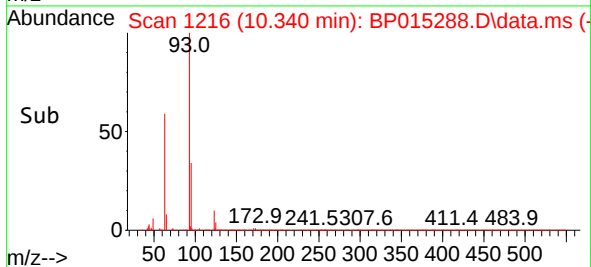
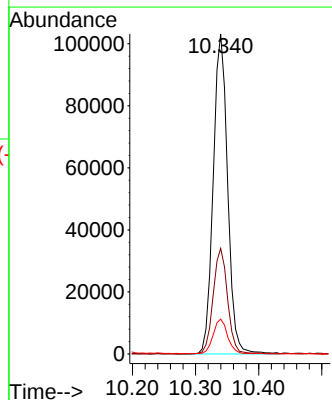
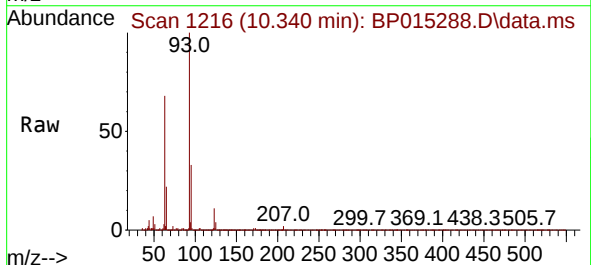
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

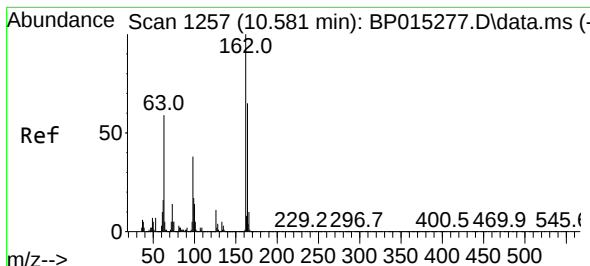
Tgt Ion:122 Resp: 109617
Ion Ratio Lower Upper
122 100
107 116.7 95.9 143.9
121 58.7 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 9.982 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion: 93 Resp: 163071
Ion Ratio Lower Upper
93 100
95 33.0 26.0 39.0
123 10.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 9.322 ng

RT: 10.581 min Scan# 1257

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

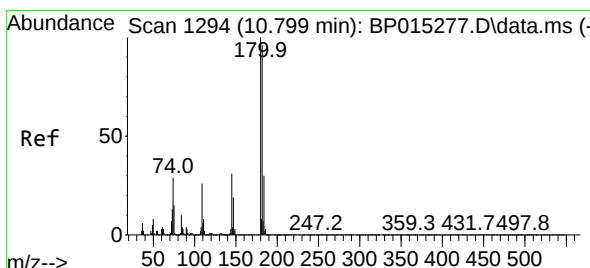
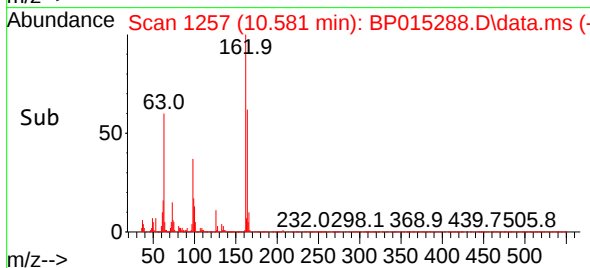
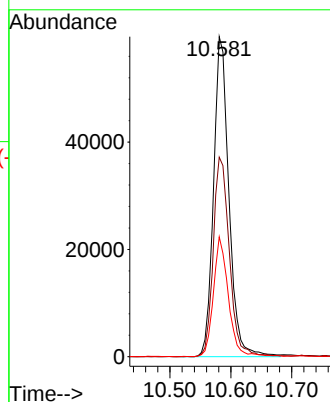
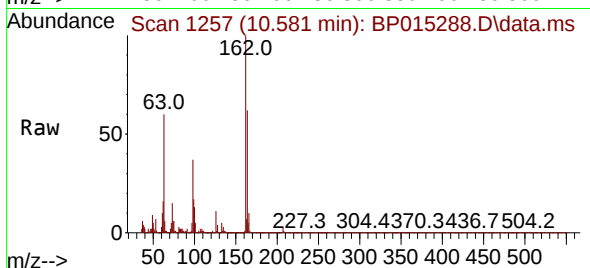
Tgt Ion:162 Resp: 104603

Ion Ratio Lower Upper

162 100

164 62.4 45.4 85.4

98 37.4 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 10.143 ng

RT: 10.799 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

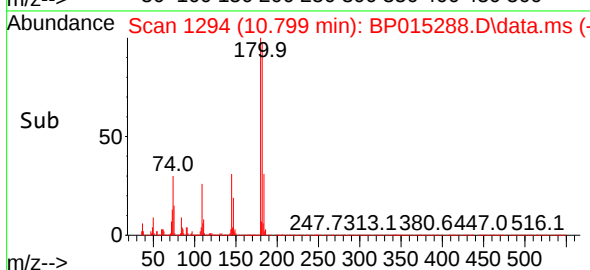
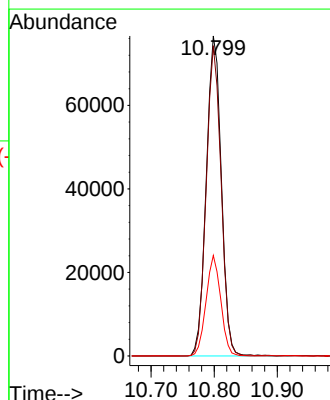
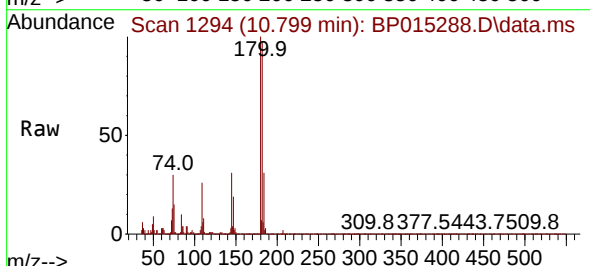
Tgt Ion:180 Resp: 126967

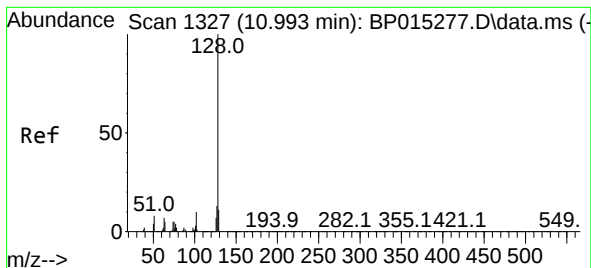
Ion Ratio Lower Upper

180 100

182 97.0 76.6 115.0

145 31.4 24.9 37.3





#31

Naphthalene

Concen: 9.975 ng

RT: 10.987 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

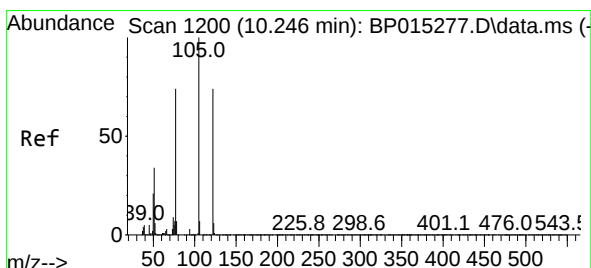
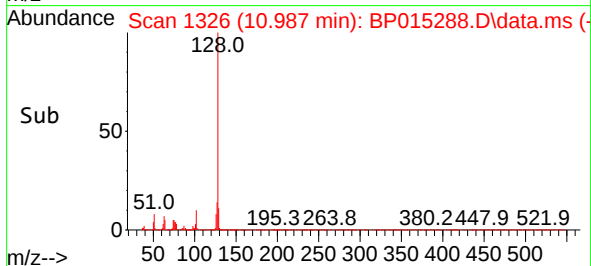
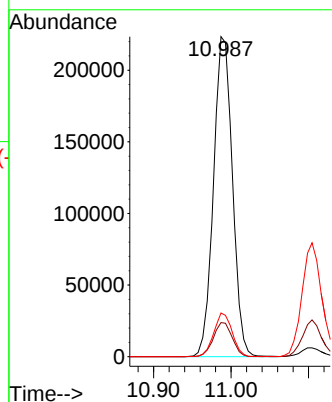
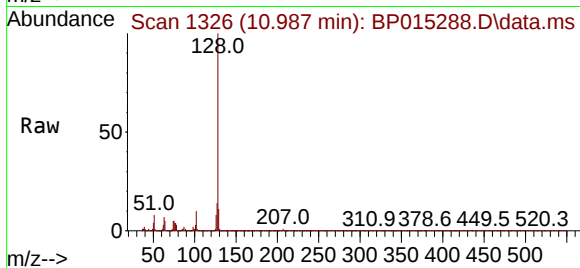
Tgt Ion:128 Resp: 378876

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.7 10.4 15.6



#32

Benzoic acid

Concen: 10.597 ng

RT: 10.181 min Scan# 1189

Delta R.T. -0.065 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

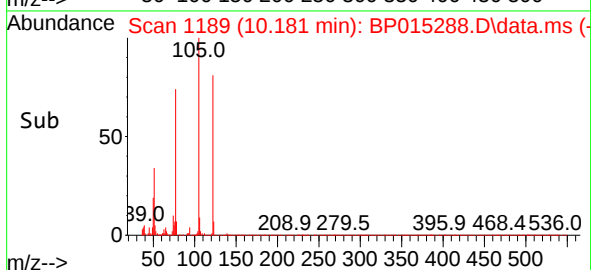
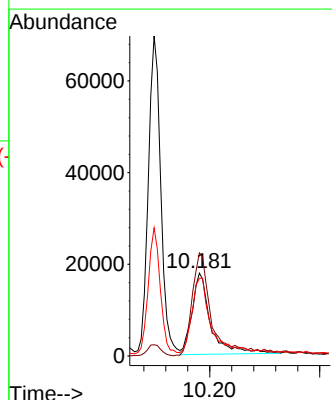
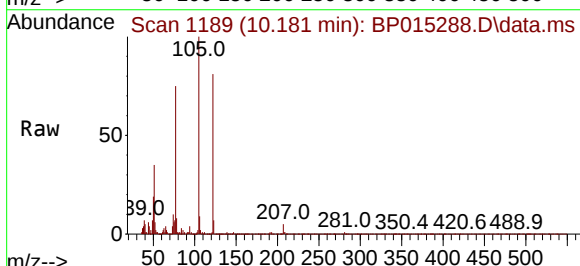
Tgt Ion:122 Resp: 42027

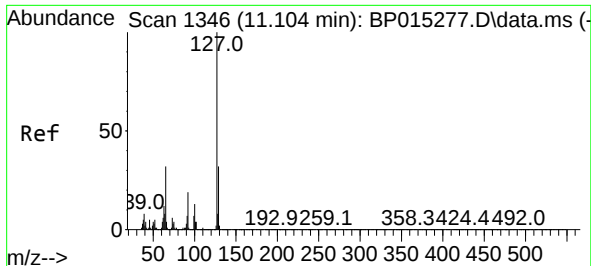
Ion Ratio Lower Upper

122 100

105 124.2 109.5 149.5

77 93.6 78.2 118.2

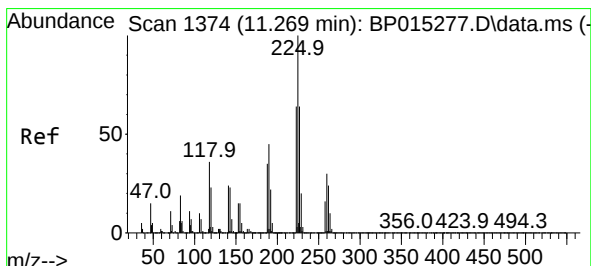
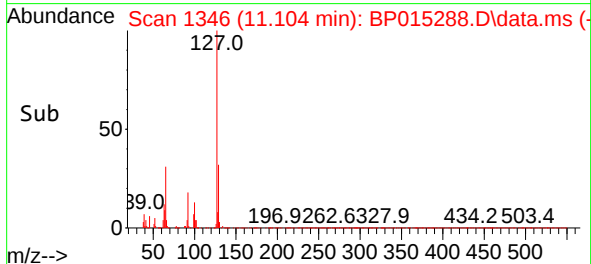
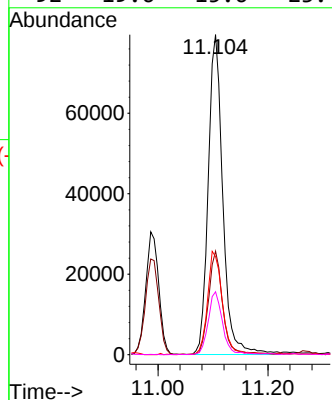
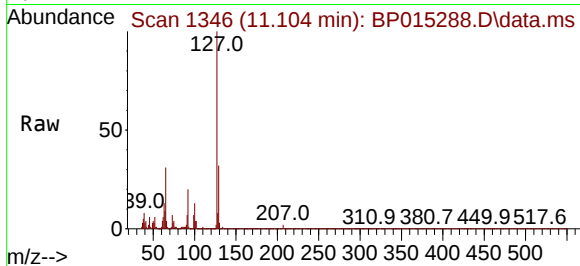




#33
4-Chloroaniline
Concen: 9.339 ng
RT: 11.104 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

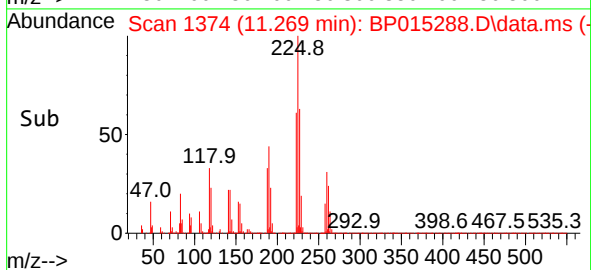
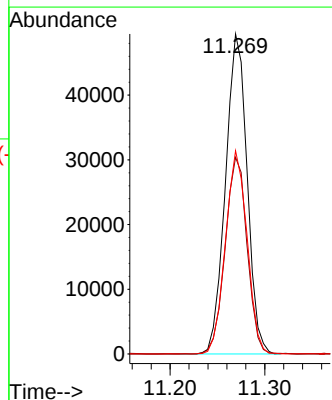
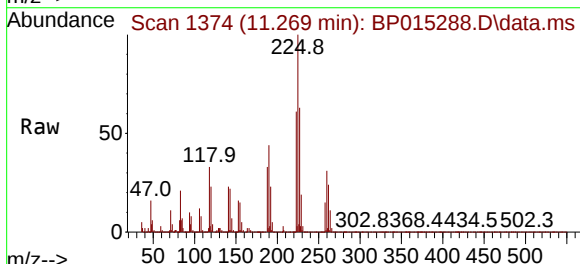
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

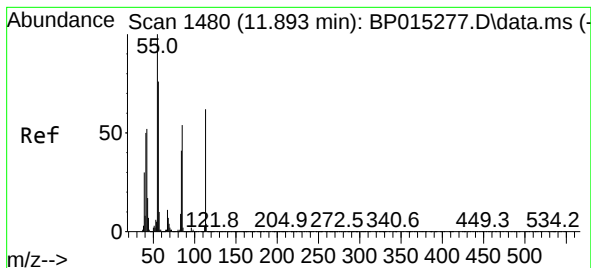
Tgt Ion:	127	Resp:	146651
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	30.6	25.3	37.9
92	19.6	15.6	23.4



#34
Hexachlorobutadiene
Concen: 9.880 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:	225	Resp:	78358
Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.0	76.4
227	63.5	51.4	77.2





#35

Caprolactam

Concen: 8.410 ng

RT: 11.869 min Scan# 1480

Delta R.T. -0.024 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

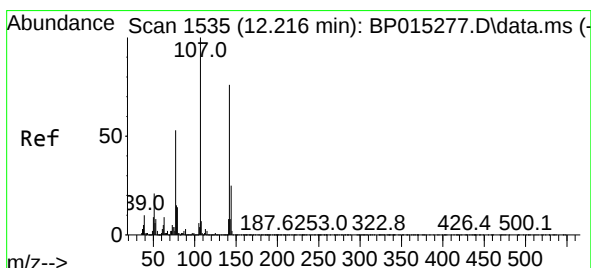
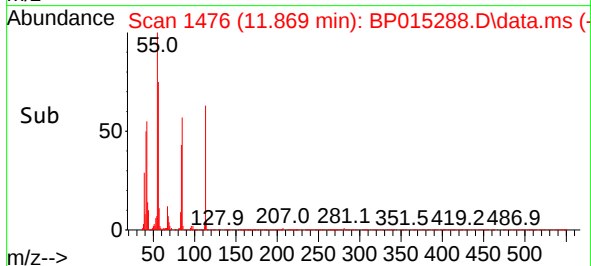
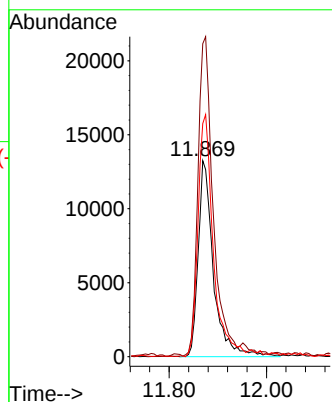
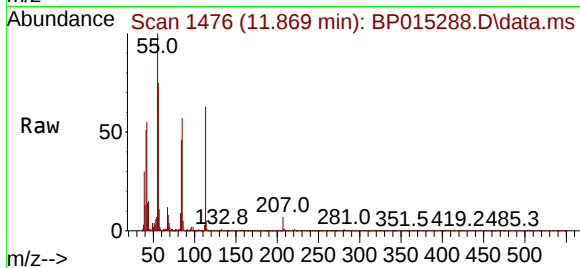
Tgt Ion:113 Resp: 28972

Ion Ratio Lower Upper

113 100

55 159.6 141.4 181.4

56 118.9 102.5 142.5



#36

4-Chloro-3-methylphenol

Concen: 9.180 ng

RT: 12.216 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

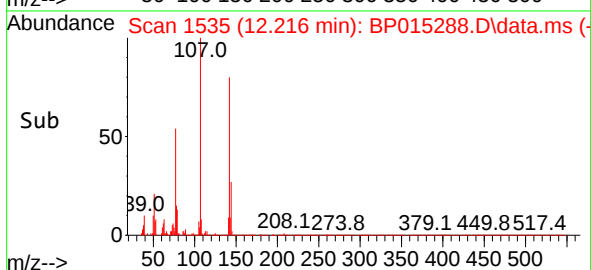
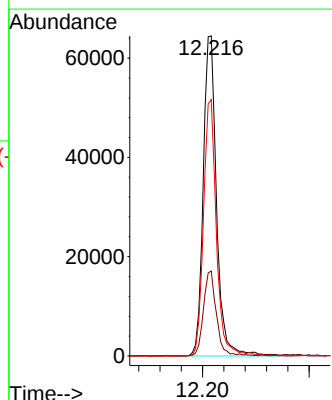
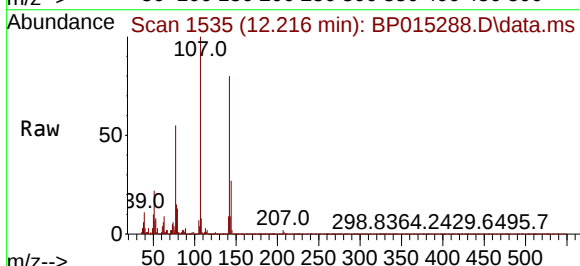
Tgt Ion:107 Resp: 112003

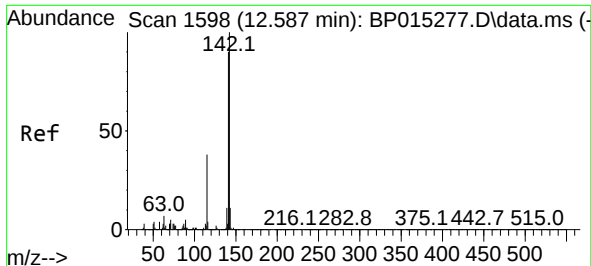
Ion Ratio Lower Upper

107 100

144 26.5 19.8 29.6

142 80.1 61.0 91.4

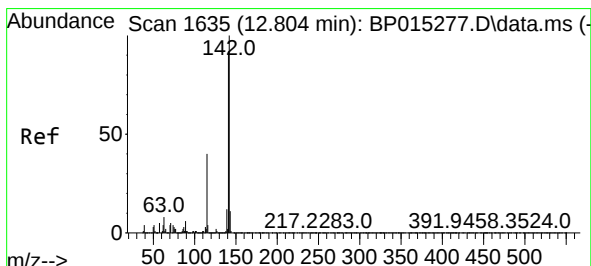
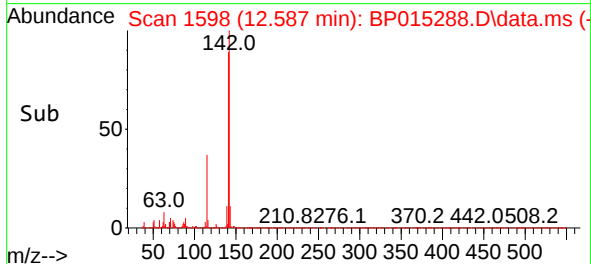
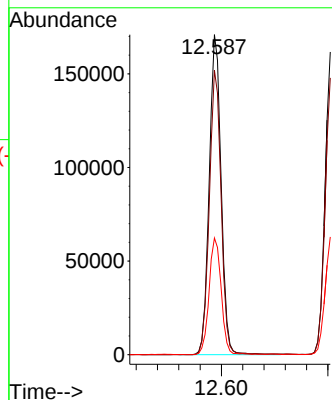
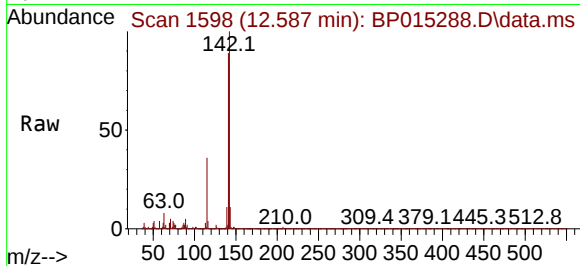




#37
2-Methylnaphthalene
Concen: 9.793 ng
RT: 12.587 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

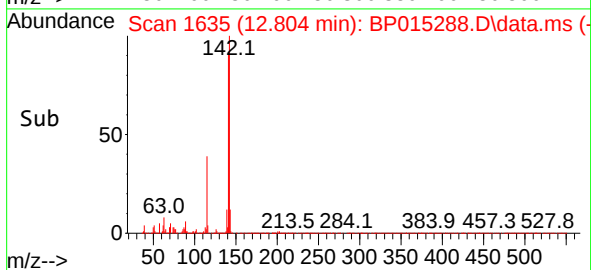
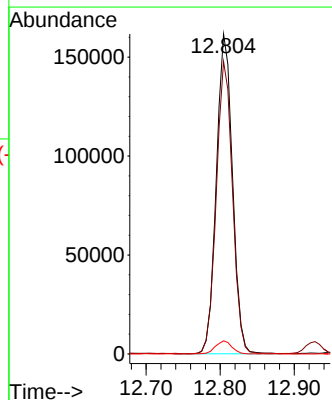
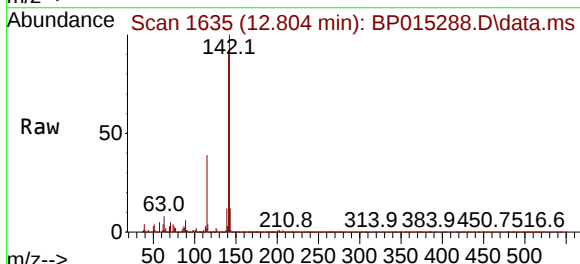
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

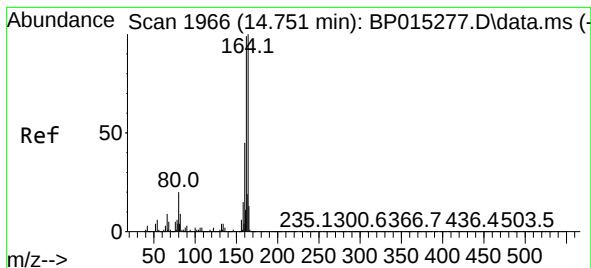
Tgt Ion:142 Resp: 264362
Ion Ratio Lower Upper
142 100
141 88.8 72.0 108.0
115 36.4 30.6 46.0



#38
1-Methylnaphthalene
Concen: 9.715 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:142 Resp: 244677
Ion Ratio Lower Upper
142 100
141 91.4 73.8 110.6
116 4.1 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.751 min Scan# 1966

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

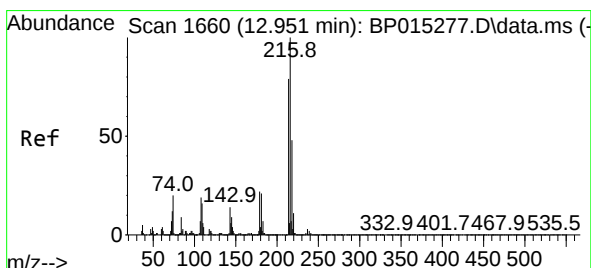
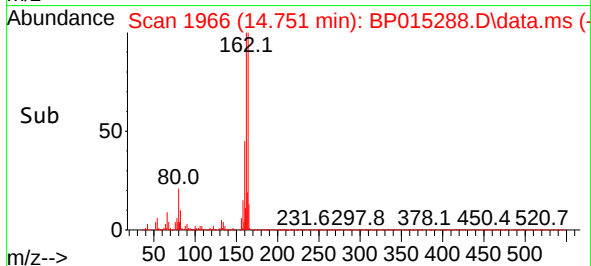
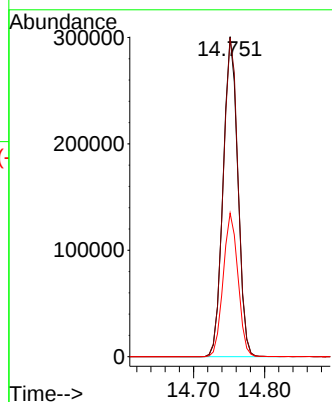
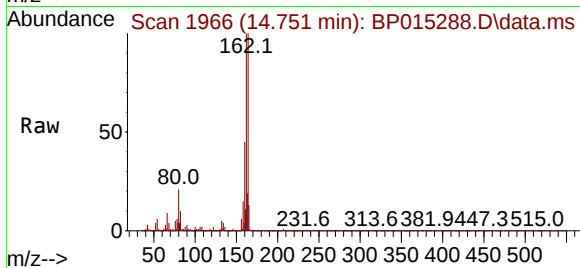
Tgt Ion:164 Resp: 429160

Ion Ratio Lower Upper

164 100

162 99.7 79.4 119.2

160 44.9 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.291 ng

RT: 12.951 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Tgt Ion:216 Resp: 144922

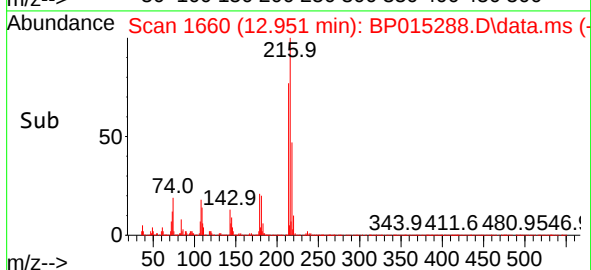
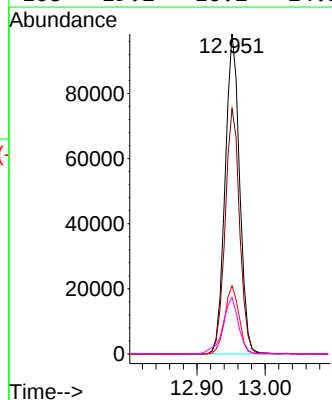
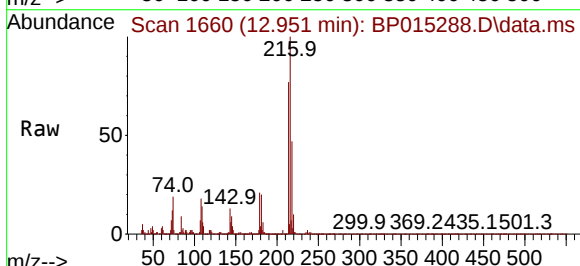
Ion Ratio Lower Upper

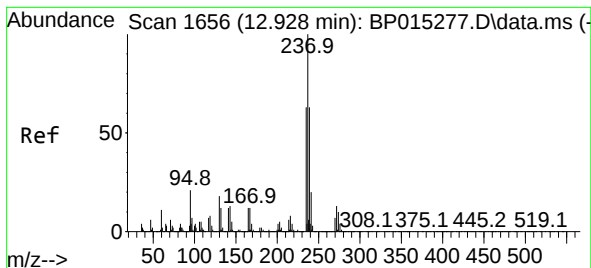
216 100

214 77.0 63.0 94.4

179 21.0 17.3 25.9

108 19.2 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 10.187 ng

RT: 12.928 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

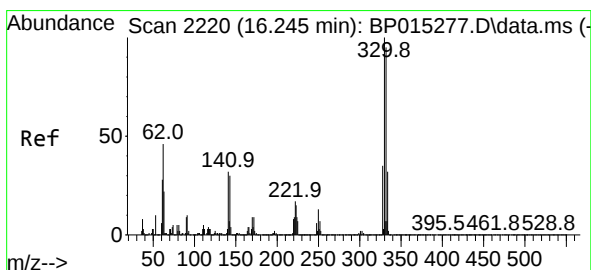
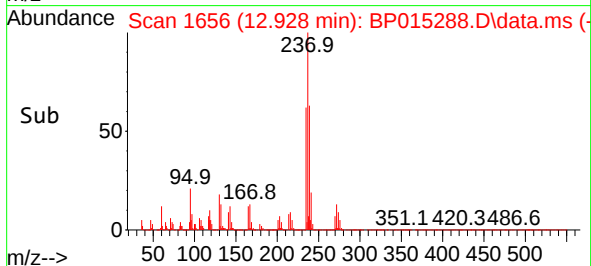
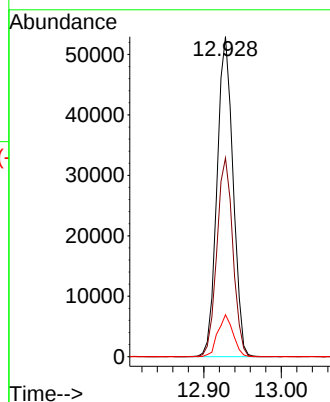
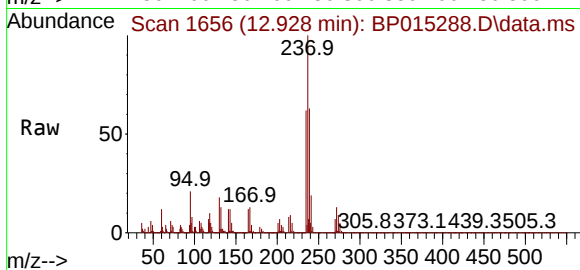
Tgt Ion:237 Resp: 75979

Ion Ratio Lower Upper

237 100

235 62.1 43.2 83.2

272 13.1 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 109.626 ng

RT: 16.245 min Scan# 2220

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

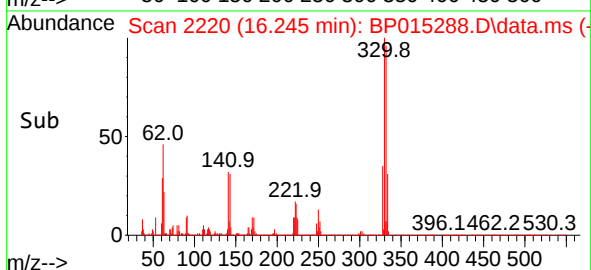
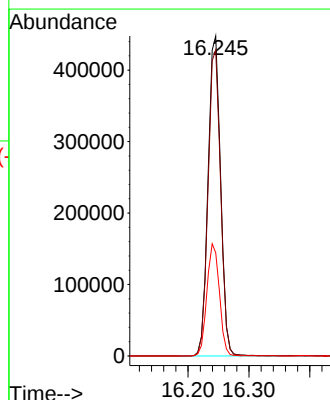
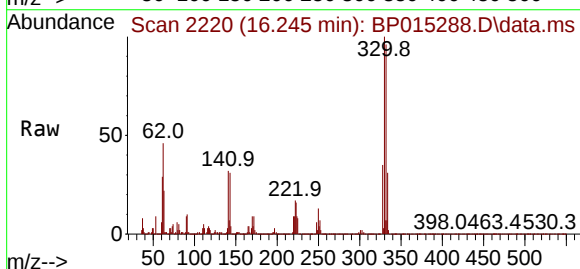
Tgt Ion:330 Resp: 639338

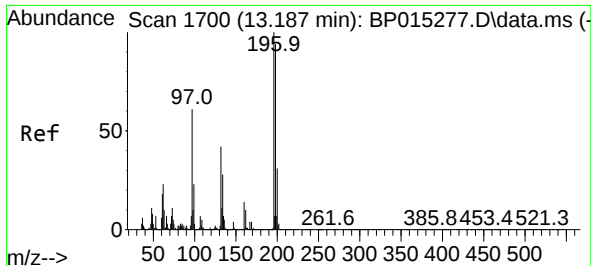
Ion Ratio Lower Upper

330 100

332 95.8 76.3 114.5

141 35.1 27.8 41.8

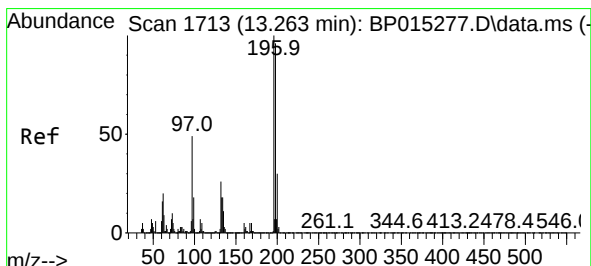
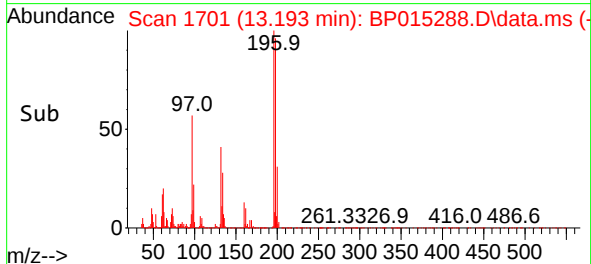
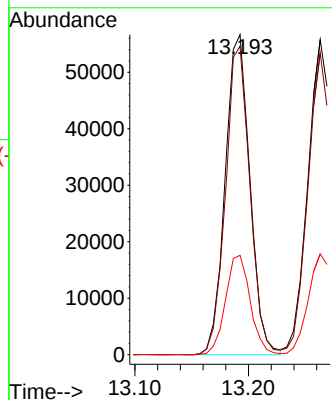
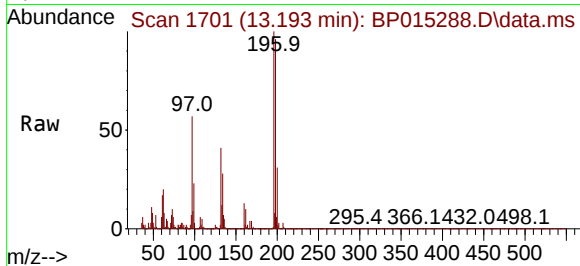




#43
2,4,6-Trichlorophenol
Concen: 9.366 ng
RT: 13.193 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

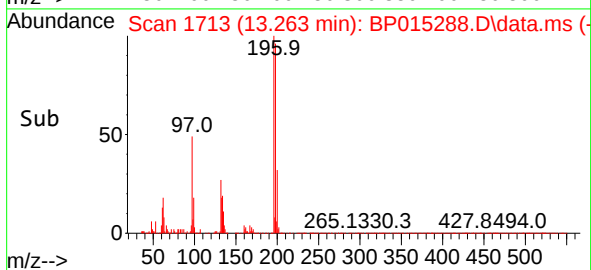
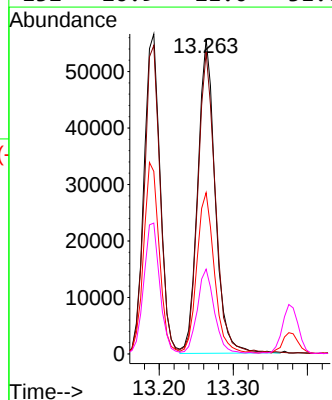
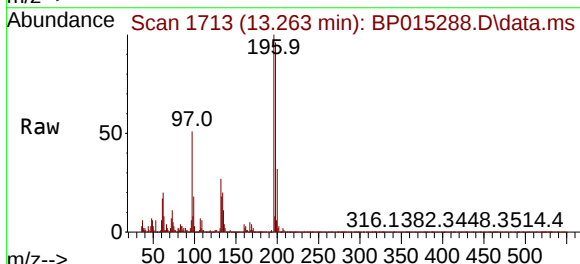
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

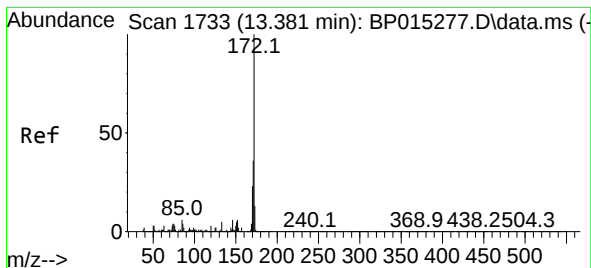
Tgt Ion:196 Resp: 85605
Ion Ratio Lower Upper
196 100
198 96.4 75.0 112.4
200 31.1 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 8.455 ng
RT: 13.263 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:196 Resp: 90854
Ion Ratio Lower Upper
196 100
198 95.8 76.8 115.2
97 51.2 39.3 58.9
132 26.9 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 81.671 ng

RT: 13.381 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

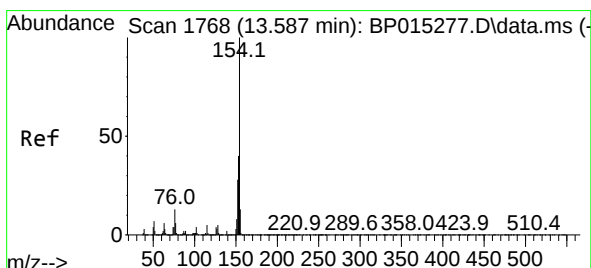
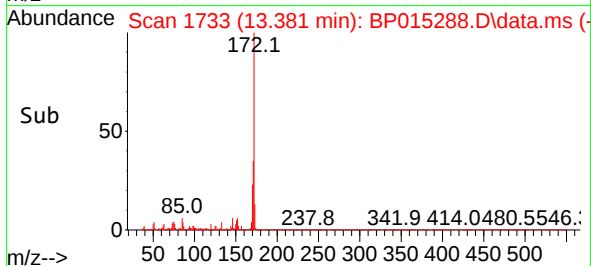
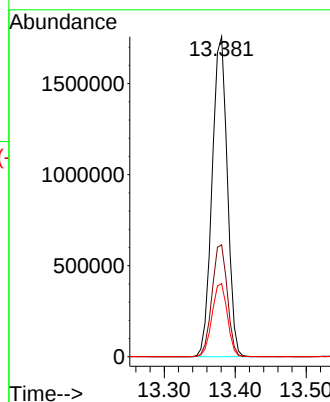
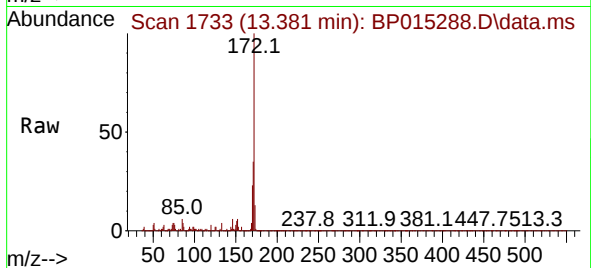
Tgt Ion:172 Resp: 2610688

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 22.8 18.7 28.1



#46

1,1'-Biphenyl

Concen: 10.190 ng

RT: 13.587 min Scan# 1768

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

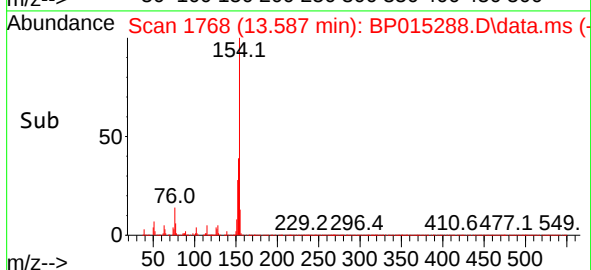
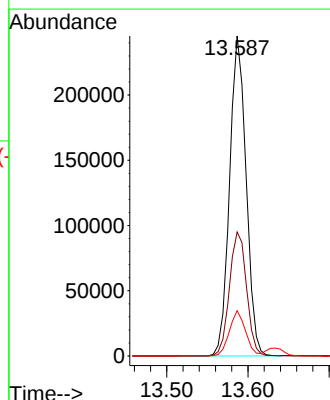
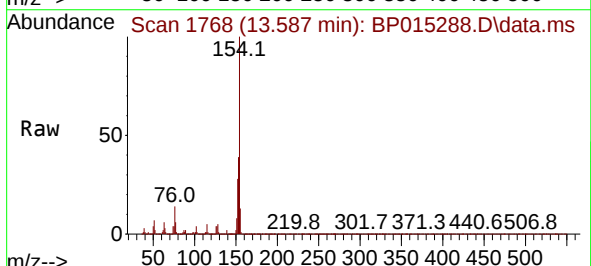
Tgt Ion:154 Resp: 346491

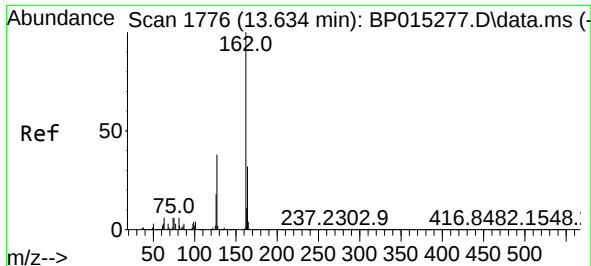
Ion Ratio Lower Upper

154 100

153 38.8 20.3 60.3

76 14.1 0.0 33.1

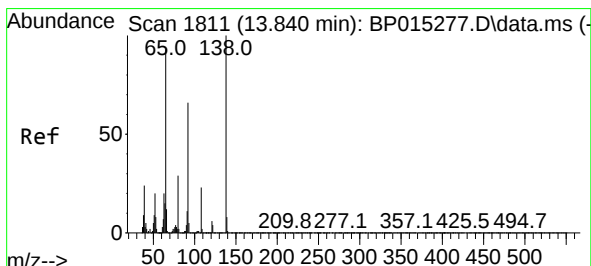
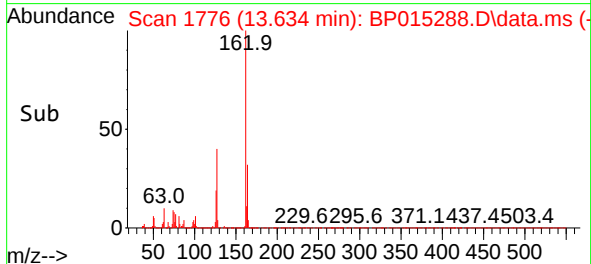
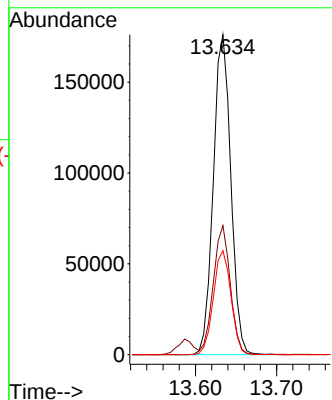
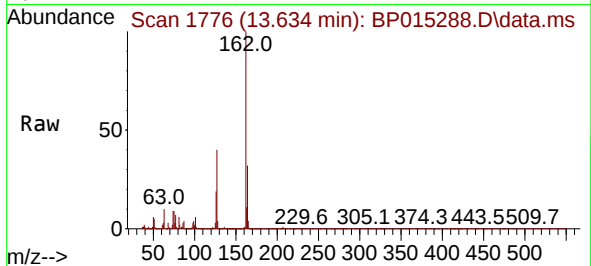




#47
2-Chloronaphthalene
Concen: 10.296 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

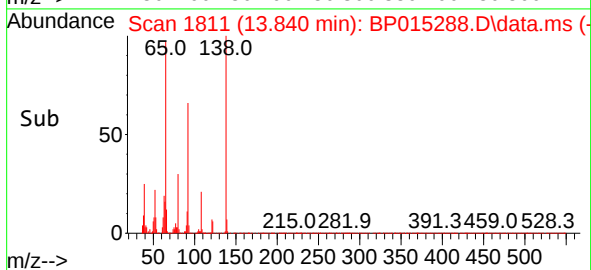
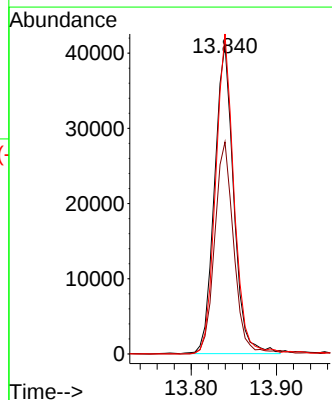
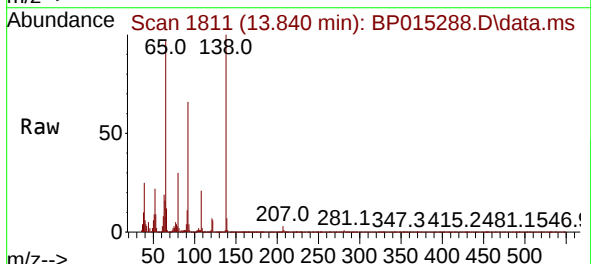
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

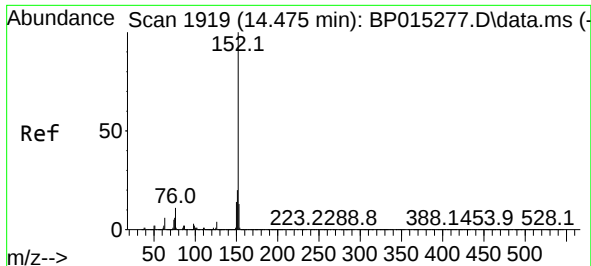
Tgt Ion:	162	Resp:	264105
Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.7	47.5
164	32.5	25.8	38.8



#48
2-Nitroaniline
Concen: 8.189 ng
RT: 13.840 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:	65	Resp:	64169
Ion	Ratio	Lower	Upper
65	100		
92	68.5	56.5	84.7
138	103.4	85.7	128.5

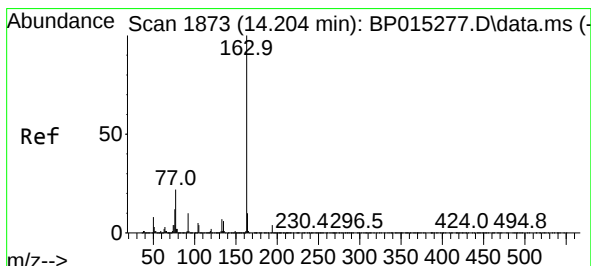
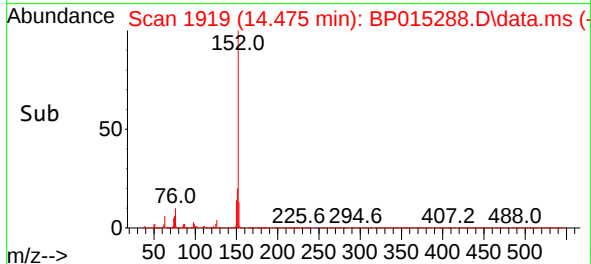
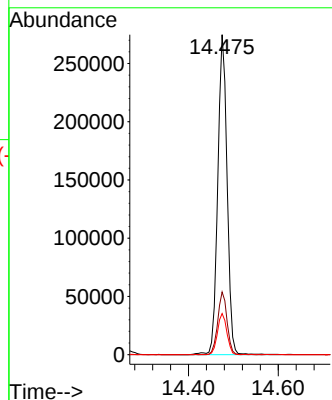
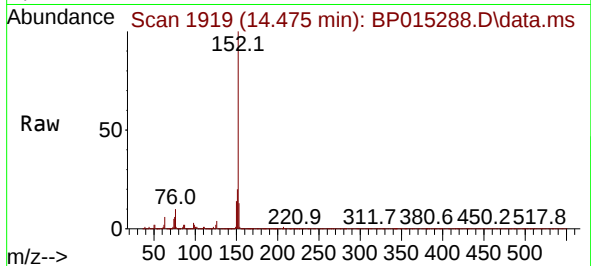




#49
Acenaphthylene
Concen: 9.639 ng
RT: 14.475 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

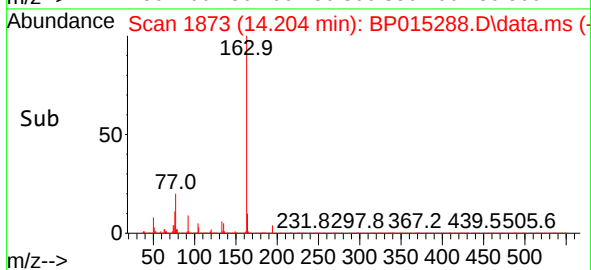
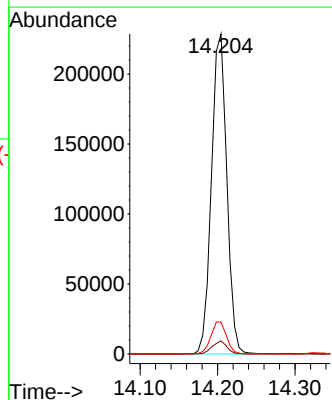
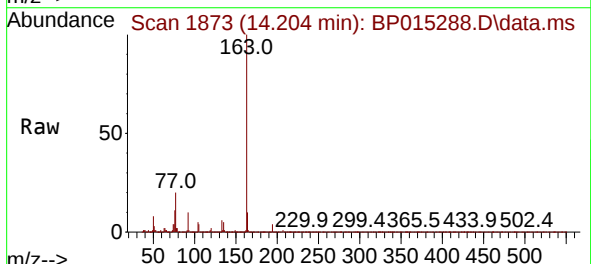
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

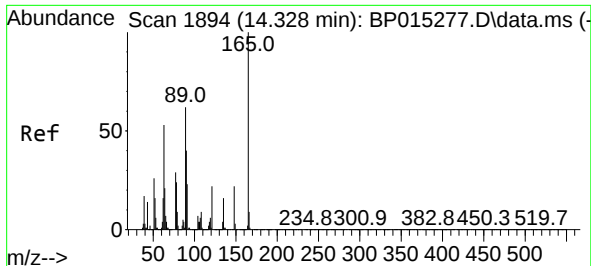
Tgt Ion:152 Resp: 395629
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.8 10.6 16.0



#50
Dimethylphthalate
Concen: 9.409 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:163 Resp: 315903
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.0 8.2 12.4

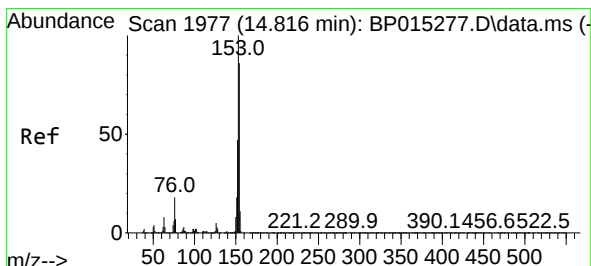
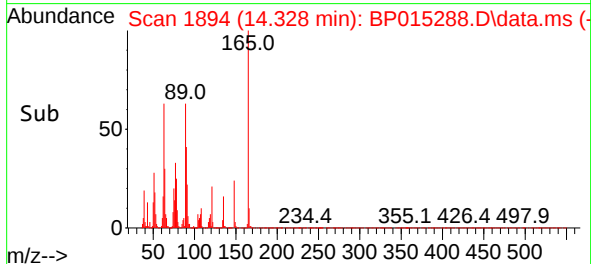
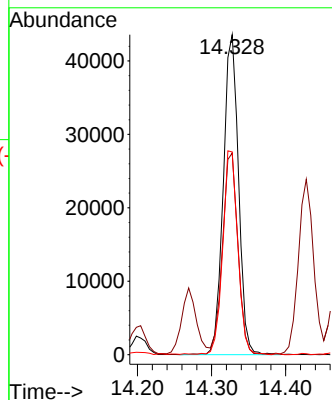
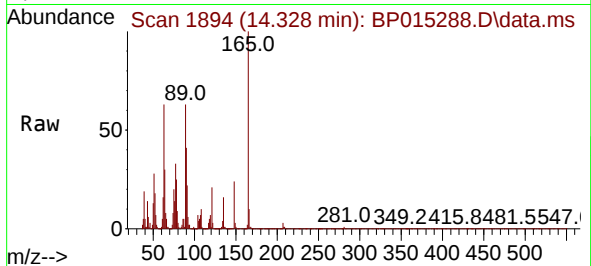




#51
2,6-Dinitrotoluene
Concen: 8.743 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

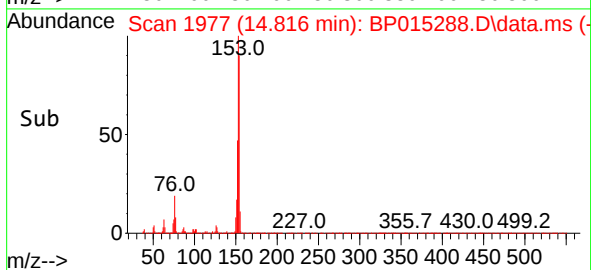
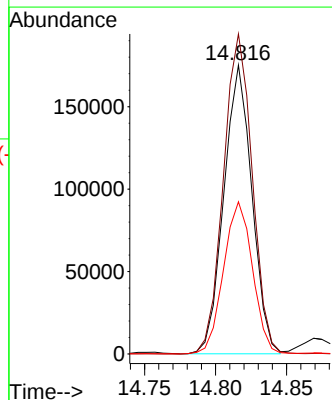
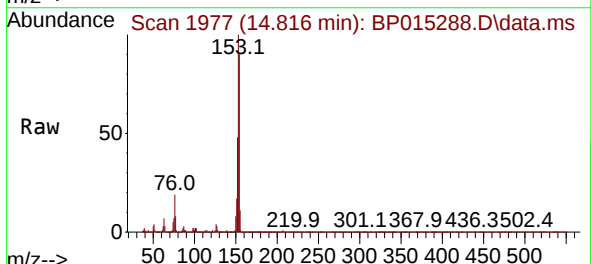
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

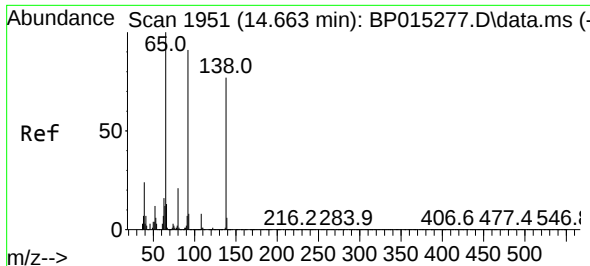
Tgt Ion:165 Resp: 61979
Ion Ratio Lower Upper
165 100
63 63.0 46.6 70.0
89 63.4 49.7 74.5



#52
Acenaphthene
Concen: 9.856 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:154 Resp: 240936
Ion Ratio Lower Upper
154 100
153 110.8 92.8 139.2
152 52.7 44.0 66.0

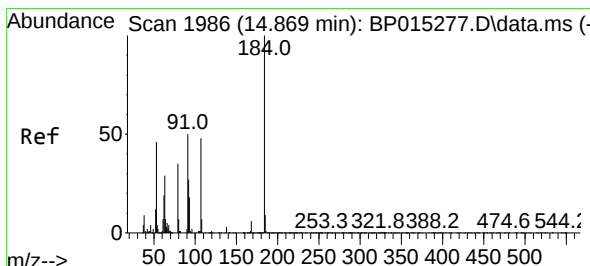
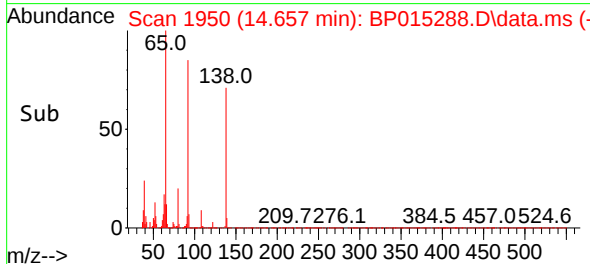
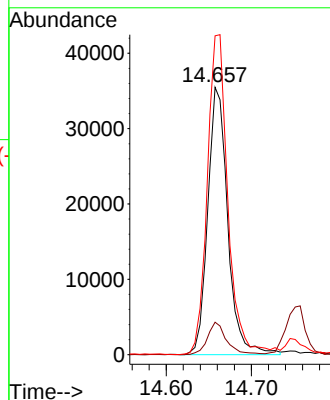
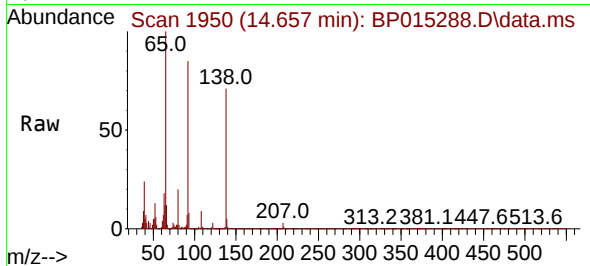




#53
3-Nitroaniline
Concen: 8.002 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

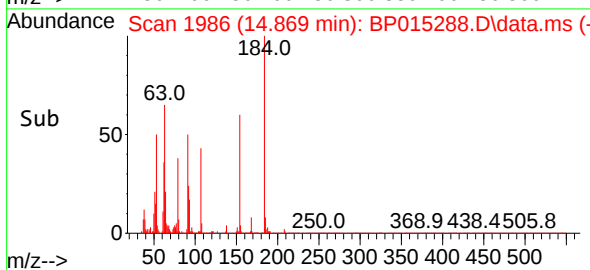
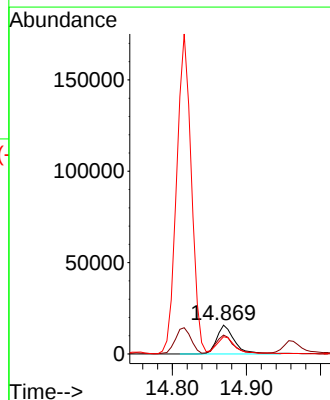
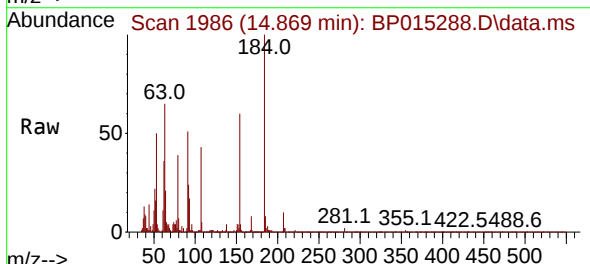
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

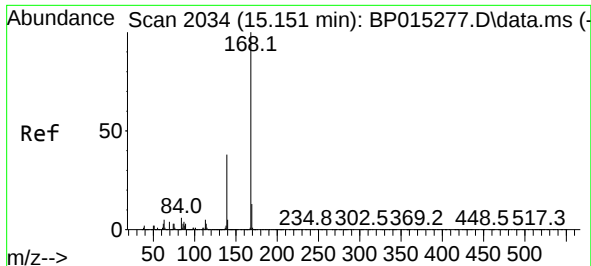
Tgt Ion:138 Resp: 57975
Ion Ratio Lower Upper
138 100
108 12.1 8.6 13.0
92 119.3 94.0 141.0



#54
2,4-Dinitrophenol
Concen: 10.292 ng
RT: 14.869 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:184 Resp: 26040
Ion Ratio Lower Upper
184 100
63 65.5 56.2 84.4
154 60.0 53.2 79.8

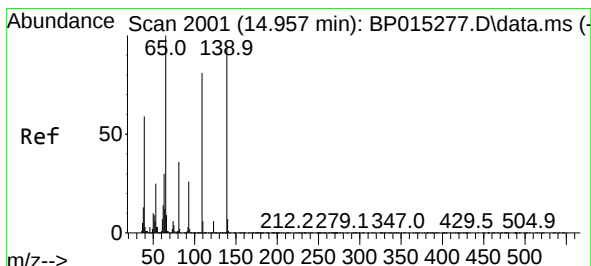
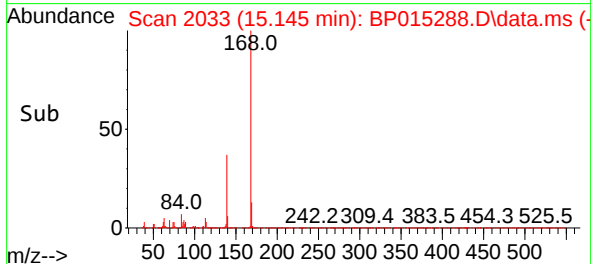
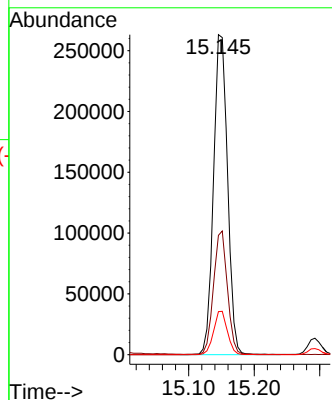
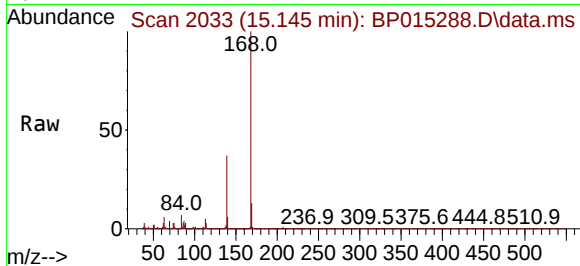




#55
Dibenzenofuran
Concen: 9.763 ng
RT: 15.145 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

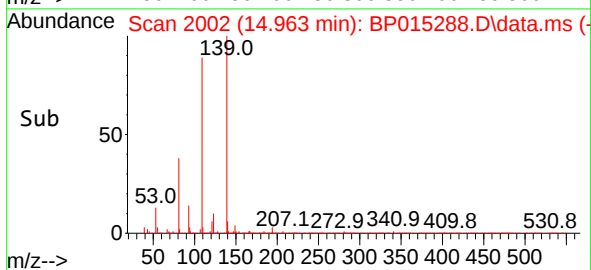
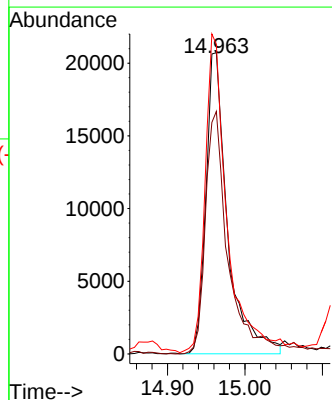
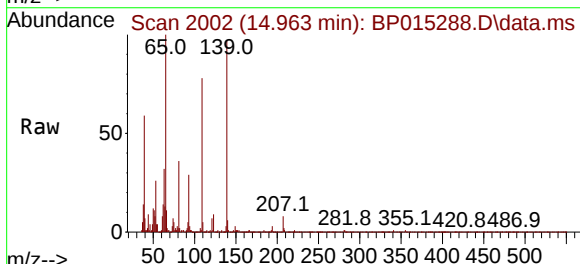
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

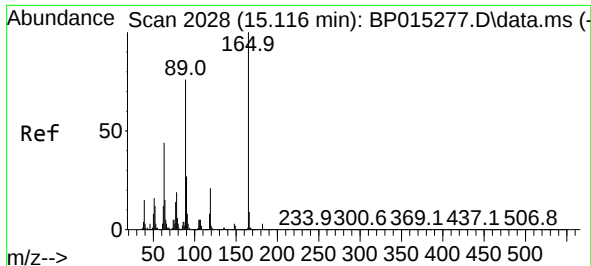
Tgt Ion:168 Resp: 390403
Ion Ratio Lower Upper
168 100
139 37.3 30.1 45.1
169 13.4 10.6 15.8



#56
4-Nitrophenol
Concen: 9.511 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:139 Resp: 40446
Ion Ratio Lower Upper
139 100
109 80.5 66.5 106.5
65 102.8 86.6 126.6





#57

2,4-Dinitrotoluene

Concen: 8.228 ng

RT: 15.116 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:165 Resp: 76693

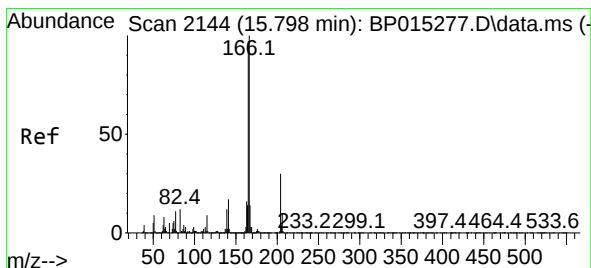
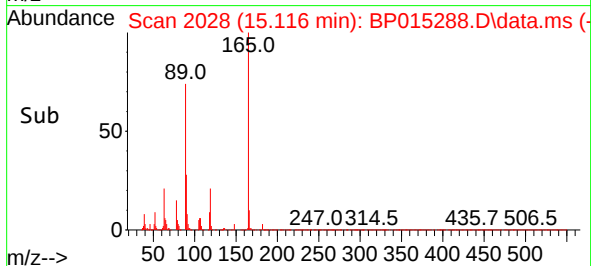
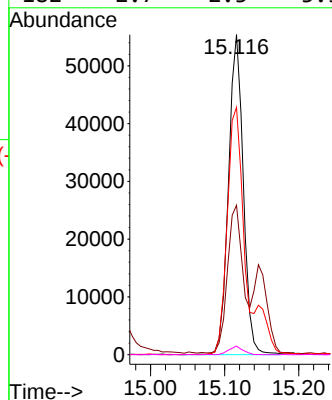
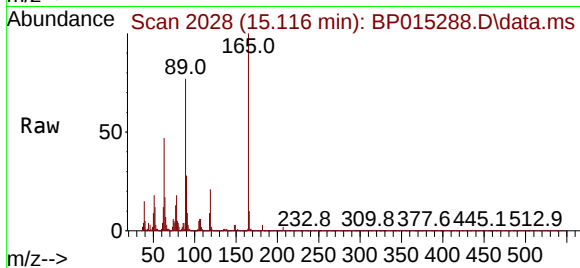
Ion Ratio Lower Upper

165 100

63 46.7 35.7 53.5

89 77.3 60.8 91.2

182 2.7 2.3 3.5



#58

Fluorene

Concen: 9.763 ng

RT: 15.798 min Scan# 2144

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

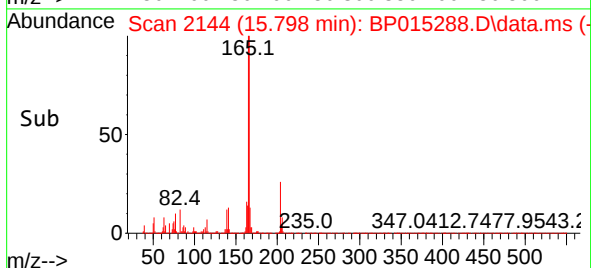
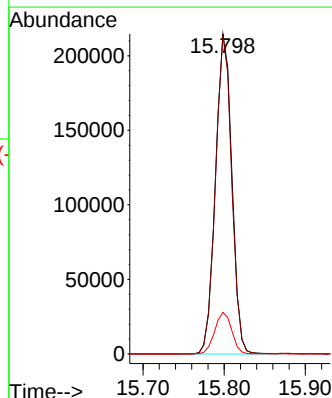
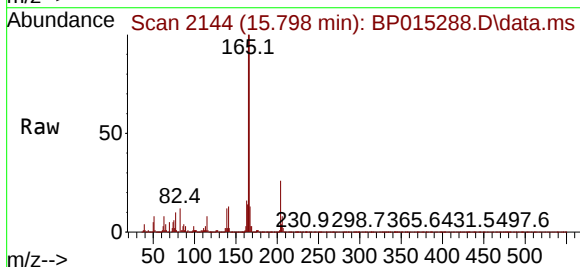
Tgt Ion:166 Resp: 301531

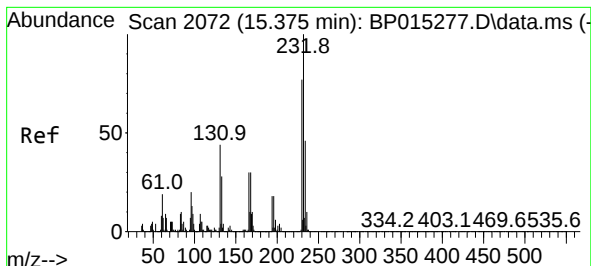
Ion Ratio Lower Upper

166 100

165 99.6 77.5 116.3

167 13.0 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.921 ng

RT: 15.375 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:232 Resp: 76670

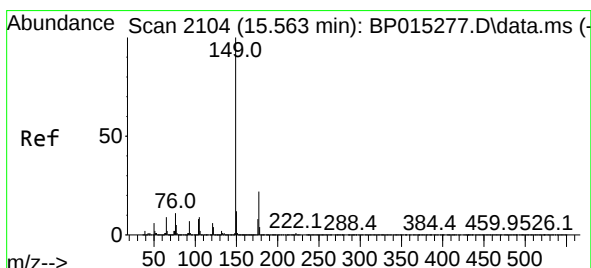
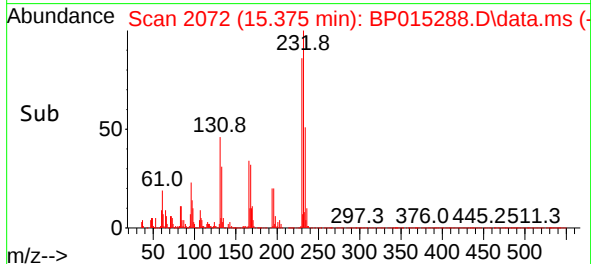
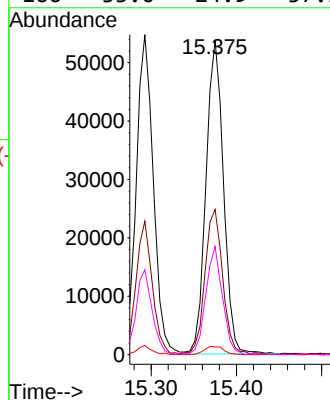
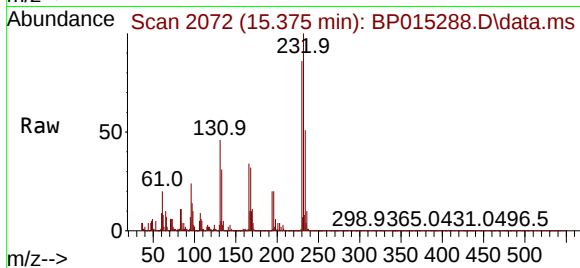
Ion Ratio Lower Upper

232 100

131 47.0 36.2 54.2

130 3.0 2.0 3.0

166 33.0 24.9 37.3



#60

Diethylphthalate

Concen: 9.095 ng

RT: 15.557 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

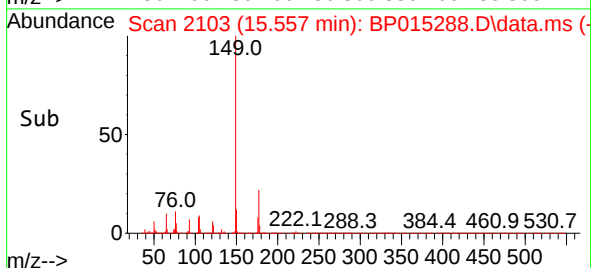
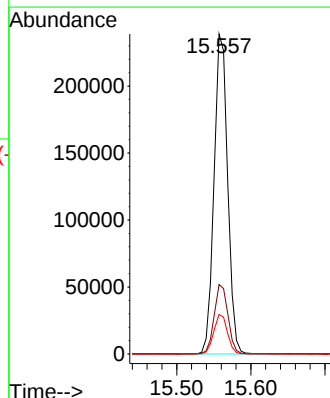
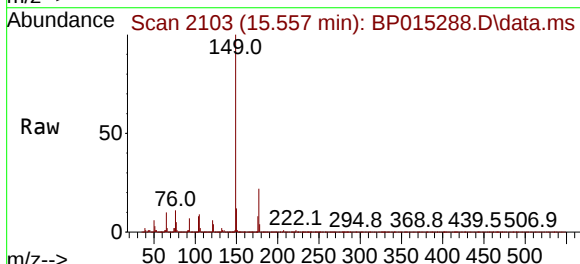
Tgt Ion:149 Resp: 304184

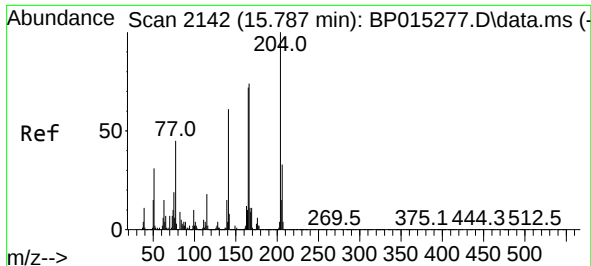
Ion Ratio Lower Upper

149 100

177 21.7 17.7 26.5

150 12.4 10.0 15.0

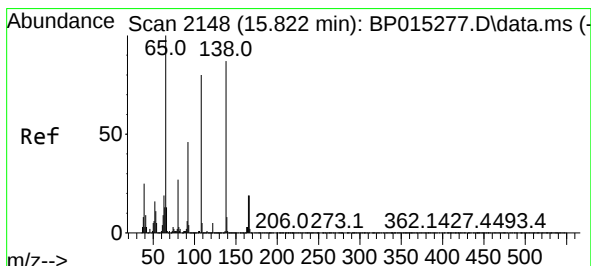
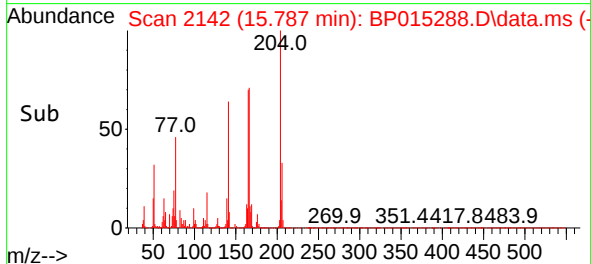
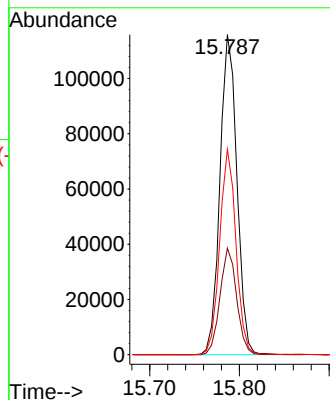
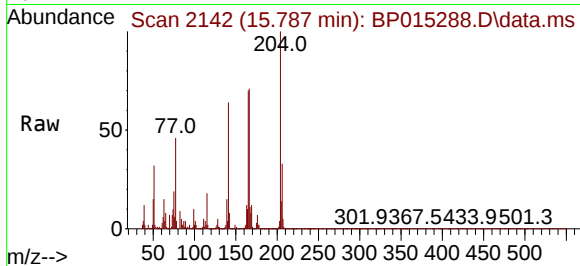




#61
4-Chlorophenyl-phenylether
Concen: 9.618 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

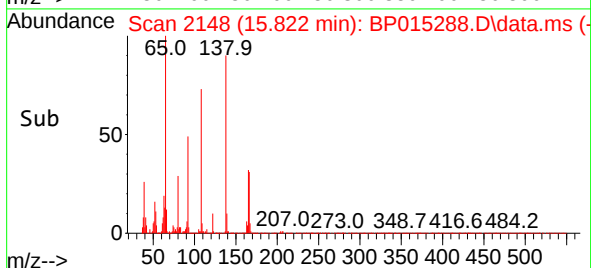
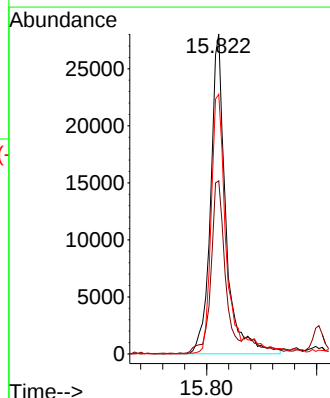
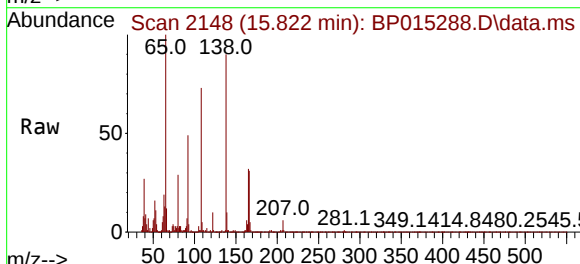
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

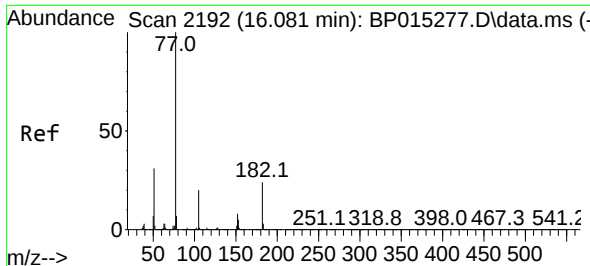
Tgt Ion:204 Resp: 152107
Ion Ratio Lower Upper
204 100
206 33.3 26.4 39.6
141 64.2 49.0 73.4



#62
4-Nitroaniline
Concen: 8.901 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:138 Resp: 53976
Ion Ratio Lower Upper
138 100
92 54.1 33.1 73.1
108 81.2 71.0 111.0

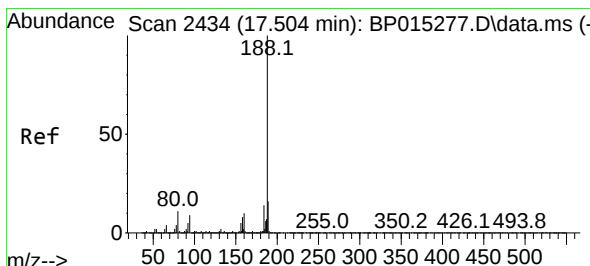
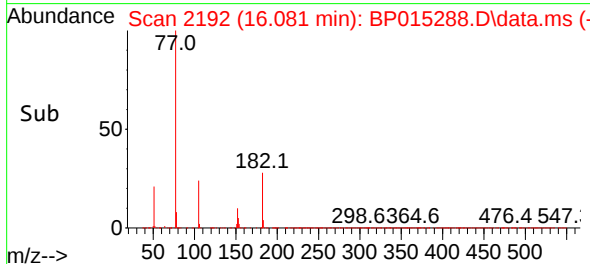
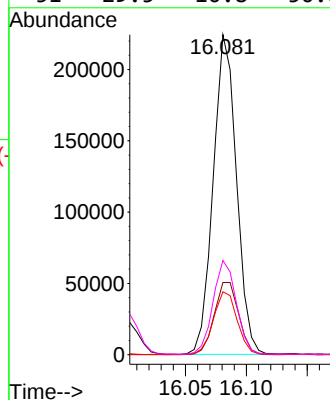
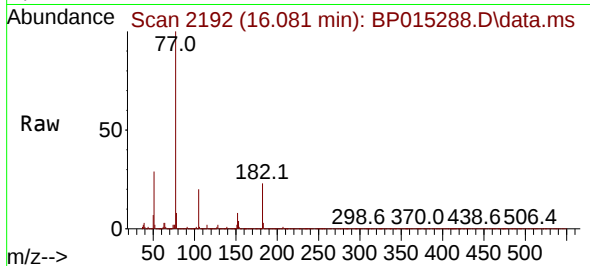




#63
Azobenzene
Concen: 9.337 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

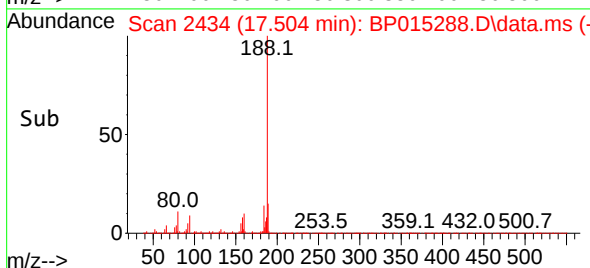
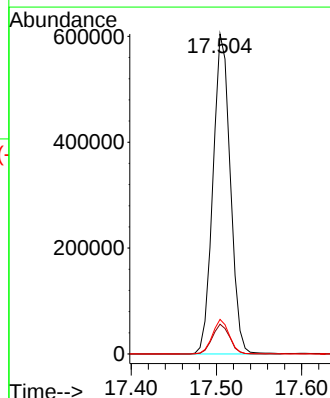
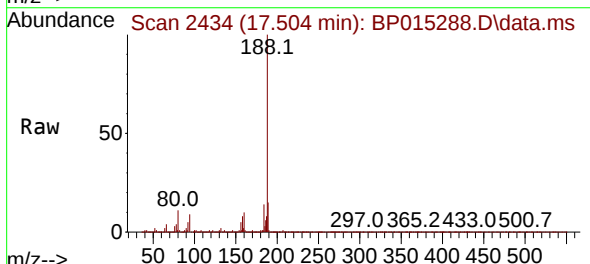
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

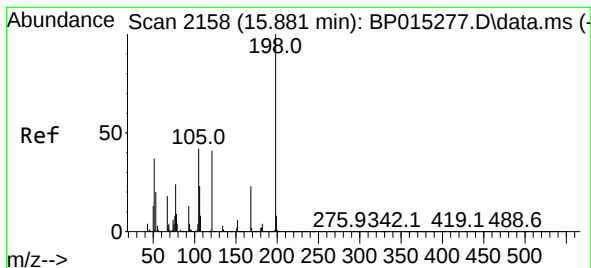
Tgt Ion: 77	Resp: 297911
Ion Ratio	Lower Upper
77 100	
182 22.6	3.9 43.9
105 19.6	0.3 40.3
51 29.5	10.8 50.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:188	Resp: 855366
Ion Ratio	Lower Upper
188 100	
94 9.3	7.4 11.0
80 10.8	8.6 13.0

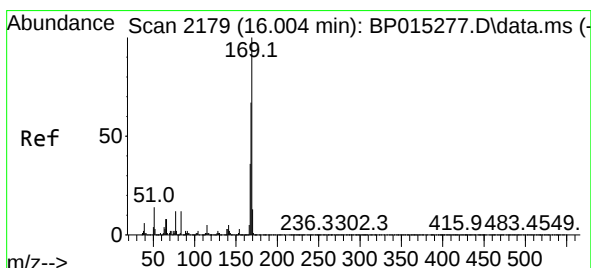
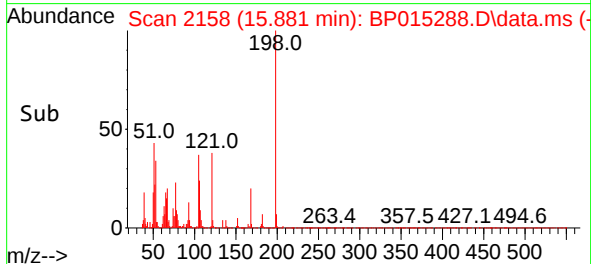
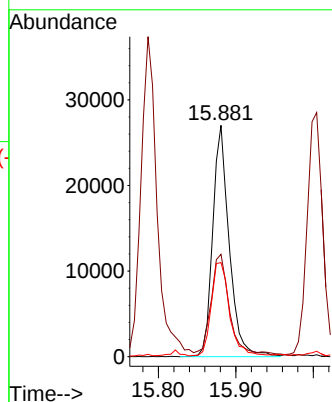
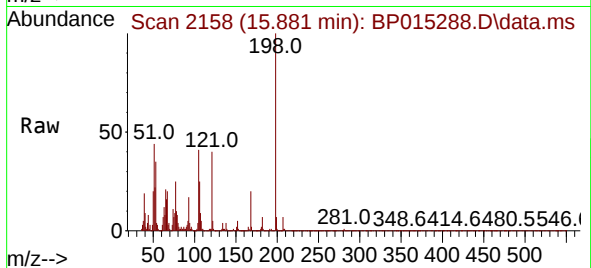




#65
4,6-Dinitro-2-methylphenol
Concen: 7.668 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

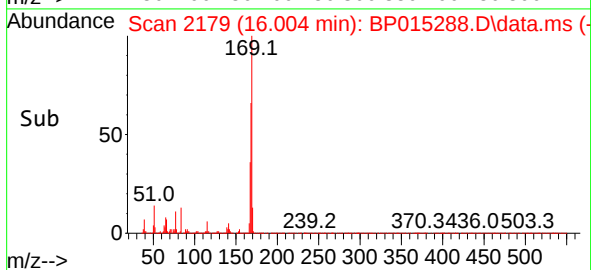
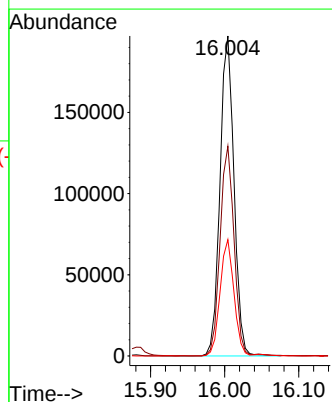
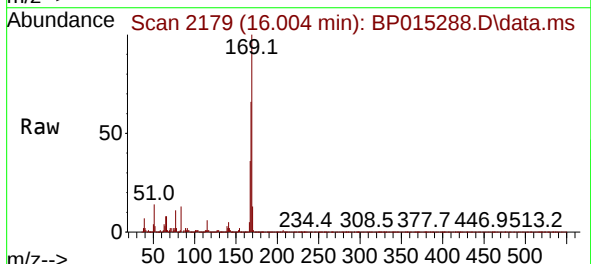
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

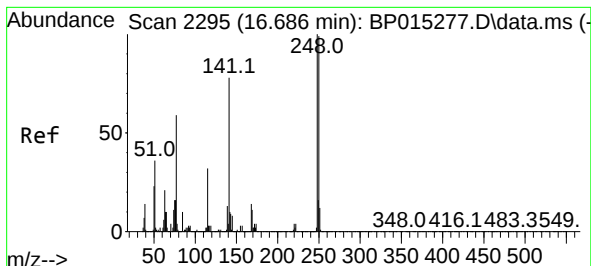
Tgt Ion:198	Resp:	39841
Ion Ratio	Lower	Upper
198	100	
51	44.2	25.4 65.4
105	40.6	23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 10.150 ng
RT: 16.004 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:169	Resp:	258701
Ion Ratio	Lower	Upper
169	100	
168	65.5	53.4 80.2
167	36.3	29.0 43.6

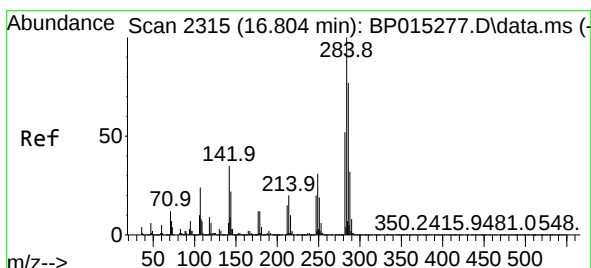
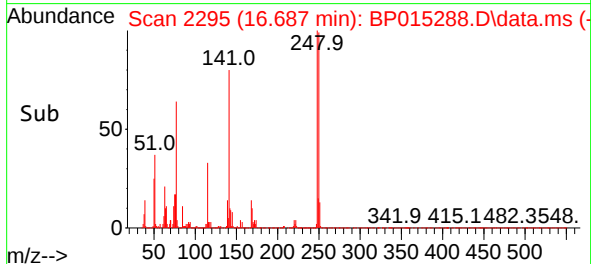
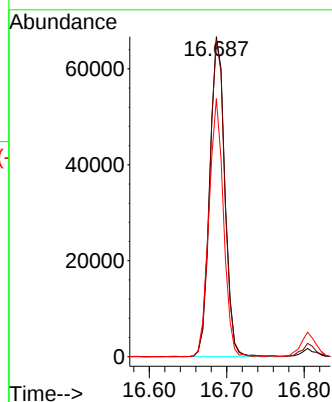
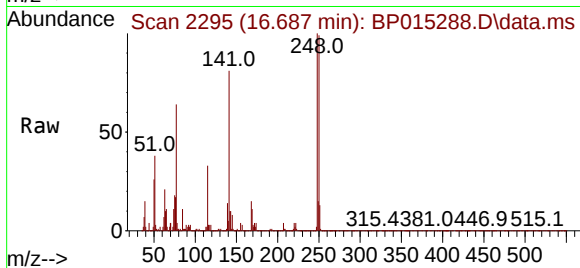




#67
4-Bromophenyl-phenylether
Concen: 9.754 ng
RT: 16.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

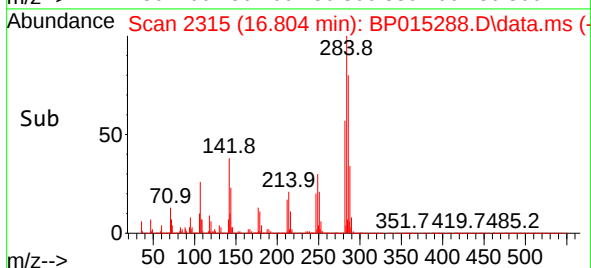
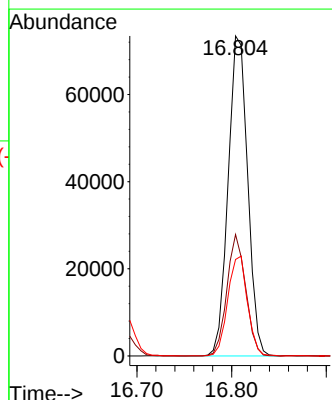
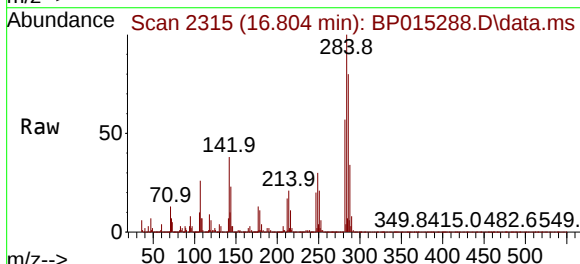
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

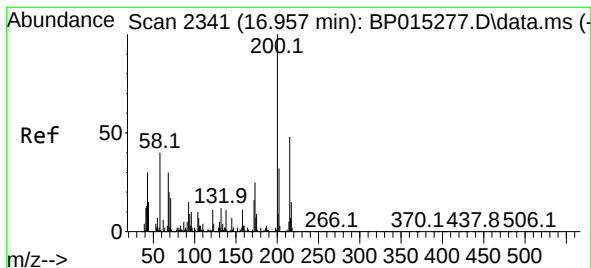
Tgt Ion:	248	Resp:	90215
Ion Ratio	Lower	Upper	
248	100		
250	99.0	79.0	118.4
141	80.6	62.4	93.6



#68
Hexachlorobenzene
Concen: 10.320 ng
RT: 16.804 min Scan# 2315
Delta R.T. 0.000 min
Lab File: BP015288.D
Acq: 25 May 2023 12:32

Tgt Ion:	284	Resp:	105116
Ion Ratio	Lower	Upper	
284	100		
142	38.0	28.2	42.2
249	30.1	25.0	37.6





#69

Atrazine

Concen: 10.425 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

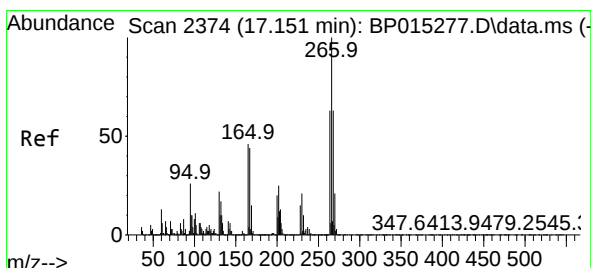
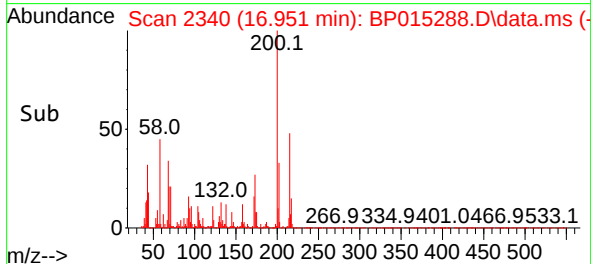
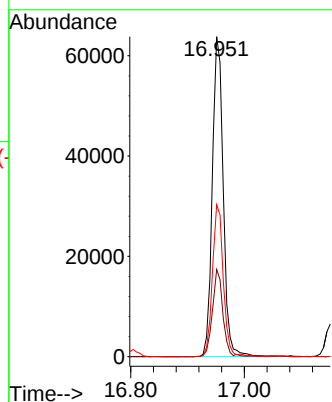
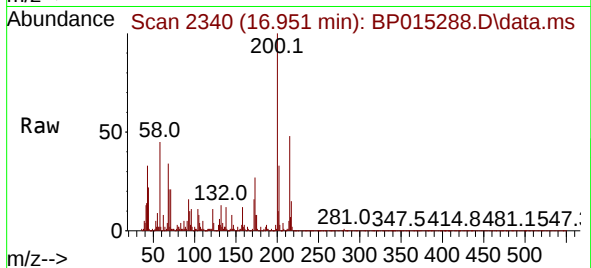
Tgt Ion:200 Resp: 84843

Ion Ratio Lower Upper

200 100

173 27.3 4.7 44.7

215 47.5 27.5 67.5



#70

Pentachlorophenol

Concen: 7.478 ng

RT: 17.151 min Scan# 2374

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

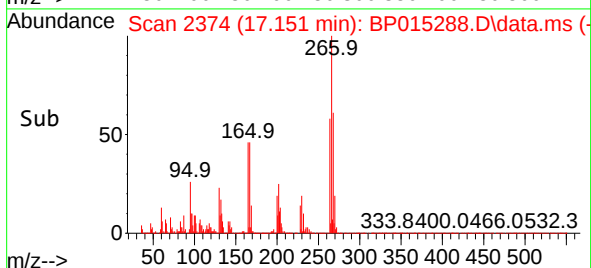
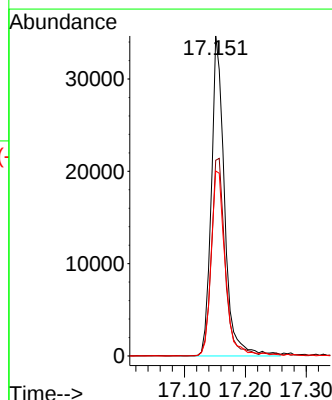
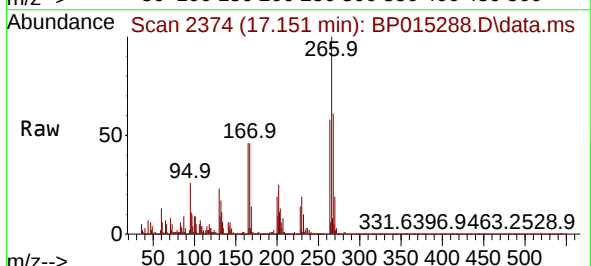
Tgt Ion:266 Resp: 52197

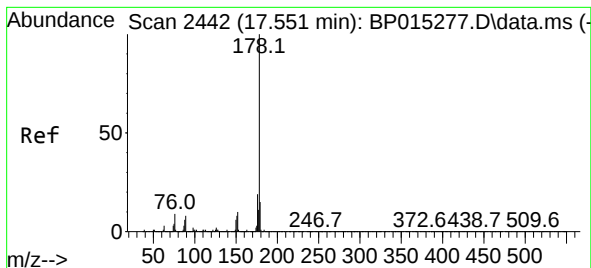
Ion Ratio Lower Upper

266 100

268 61.2 50.0 75.0

264 57.8 50.4 75.6





#71

Phenanthrene

Concen: 9.954 ng

RT: 17.551 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

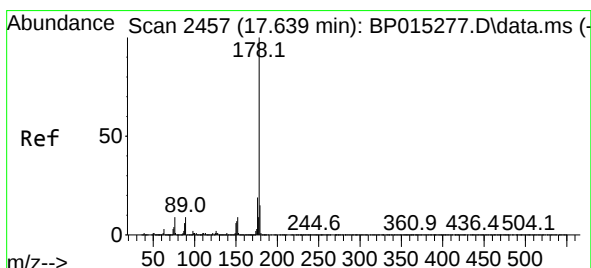
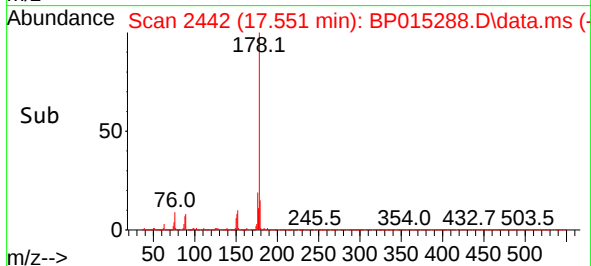
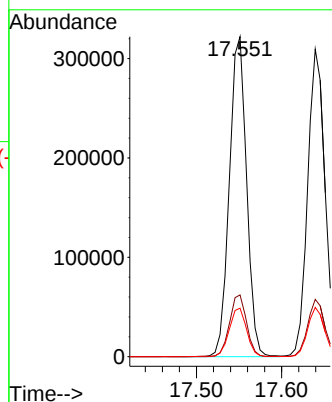
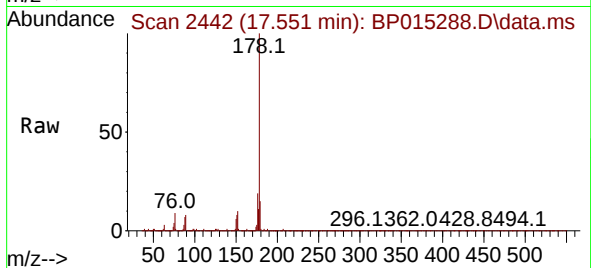
Tgt Ion:178 Resp: 453785

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.2 12.3 18.5



#72

Anthracene

Concen: 9.697 ng

RT: 17.639 min Scan# 2457

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

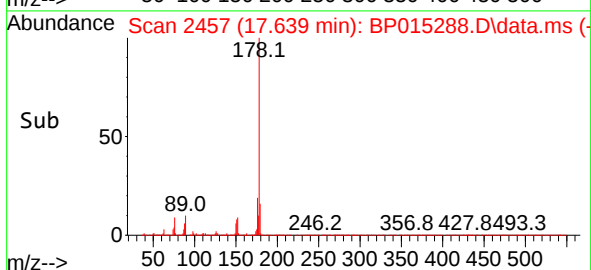
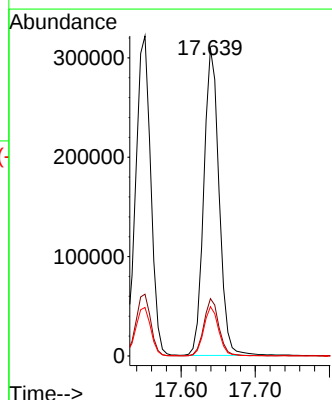
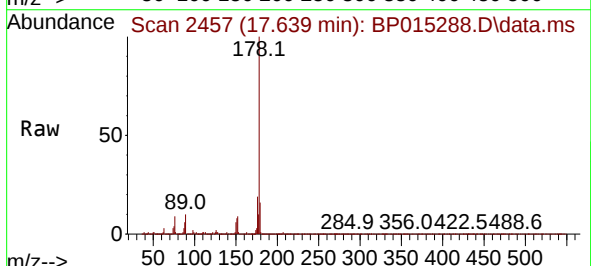
Tgt Ion:178 Resp: 442759

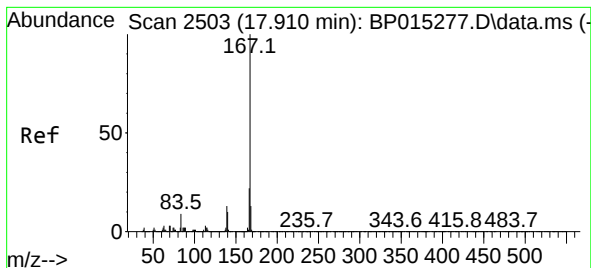
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 16.1 12.2 18.4





#73

Carbazole

Concen: 9.507 ng

RT: 17.910 min Scan# 2503

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

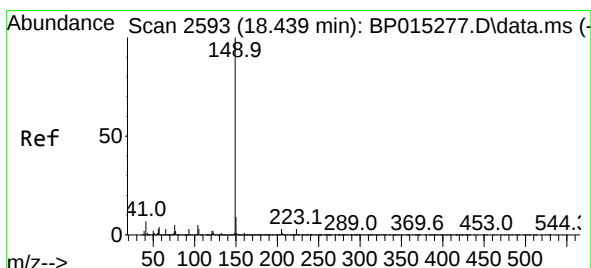
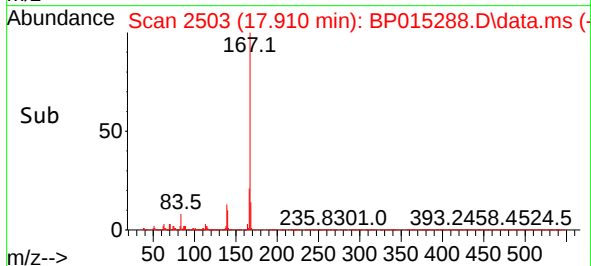
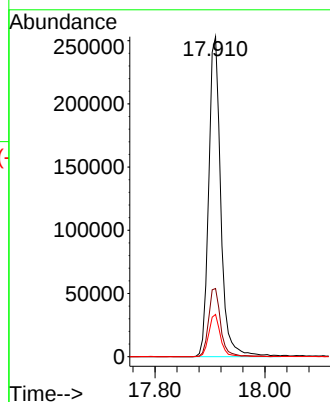
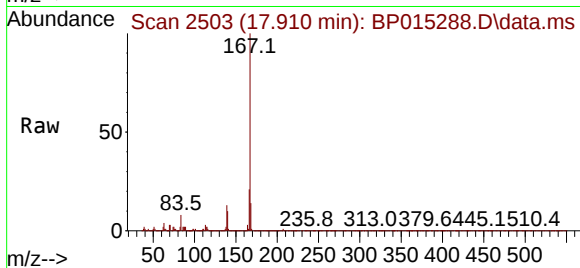
Tgt Ion:167 Resp: 384362

Ion Ratio Lower Upper

167 100

166 21.3 17.4 26.0

139 13.2 10.2 15.2



#74

Di-n-butylphthalate

Concen: 8.782 ng

RT: 18.439 min Scan# 2593

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

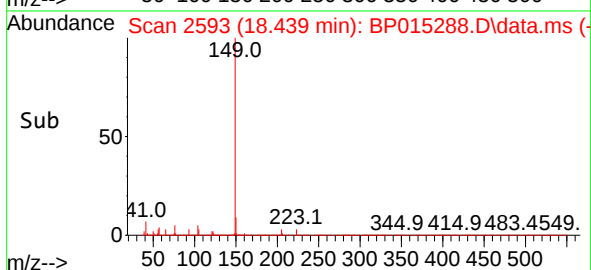
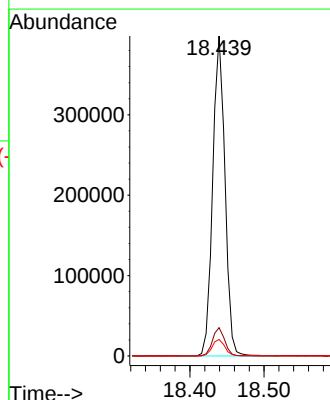
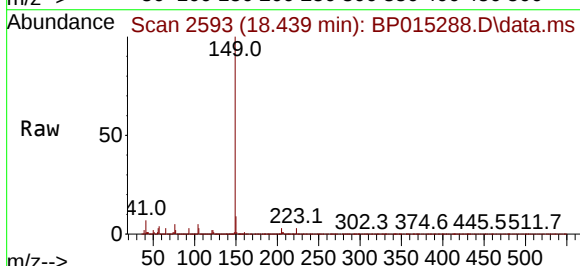
Tgt Ion:149 Resp: 455942

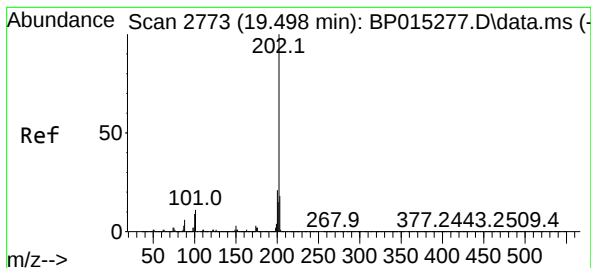
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.2 4.4 6.6





#75

Fluoranthene

Concen: 9.208 ng

RT: 19.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

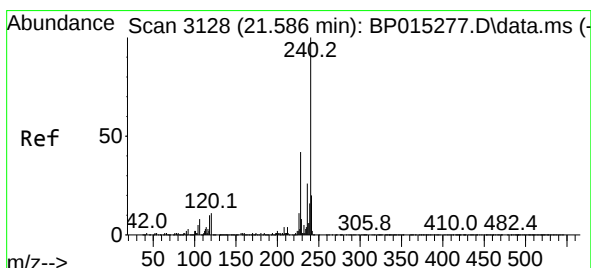
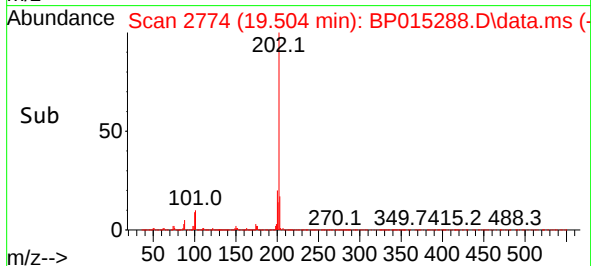
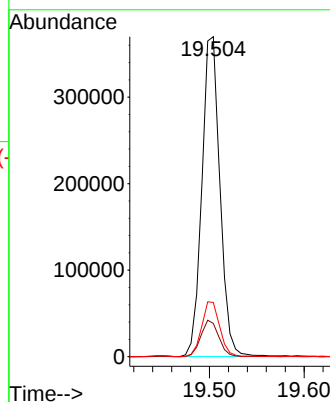
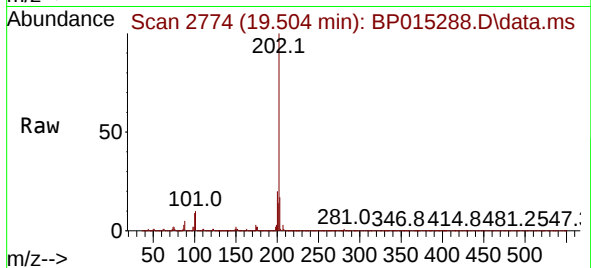
Tgt Ion:202 Resp: 490407

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

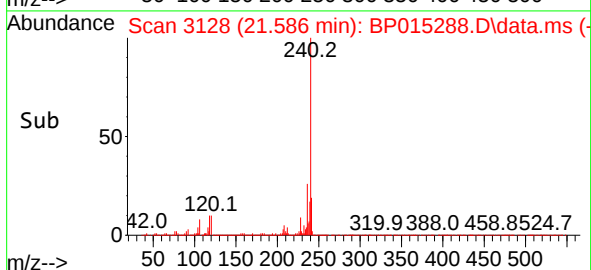
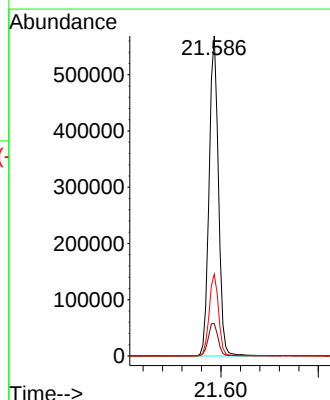
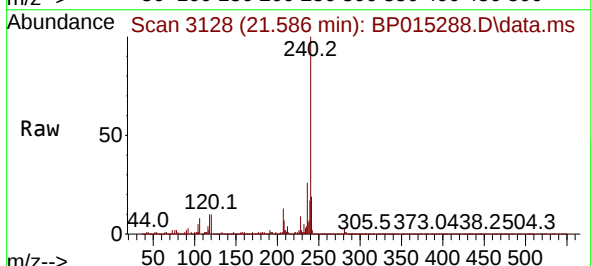
Tgt Ion:240 Resp: 753259

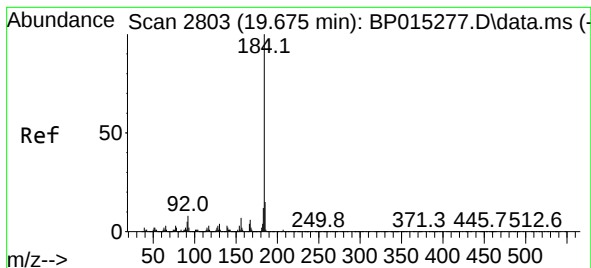
Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

236 25.6 20.5 30.7





#77

Benzidine

Concen: 17.848 ng

RT: 19.680 min Scan# 2804

Delta R.T. 0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

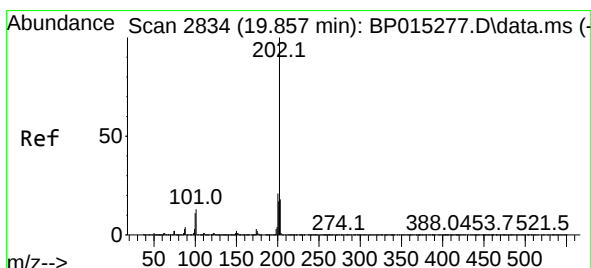
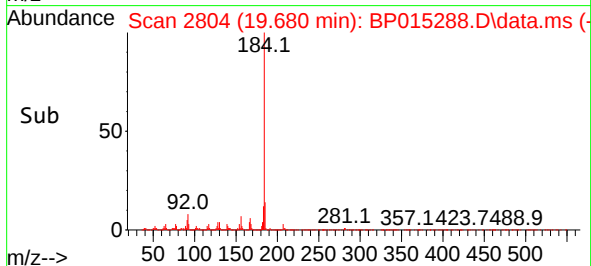
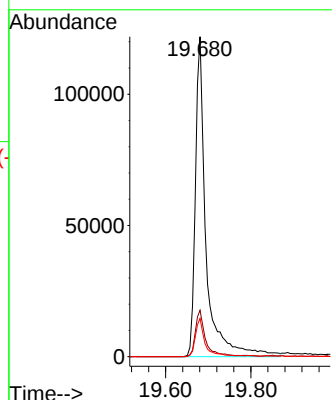
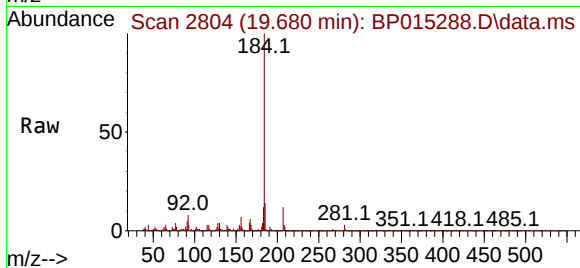
Tgt Ion:184 Resp: 212896

Ion Ratio Lower Upper

184 100

185 14.5 11.6 17.4

183 12.0 9.4 14.0



#78

Pyrene

Concen: 9.708 ng

RT: 19.857 min Scan# 2834

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

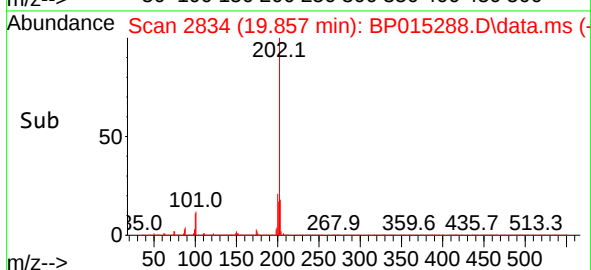
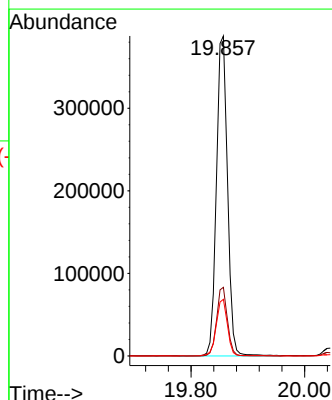
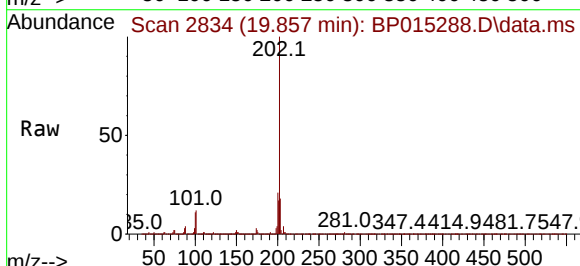
Tgt Ion:202 Resp: 523198

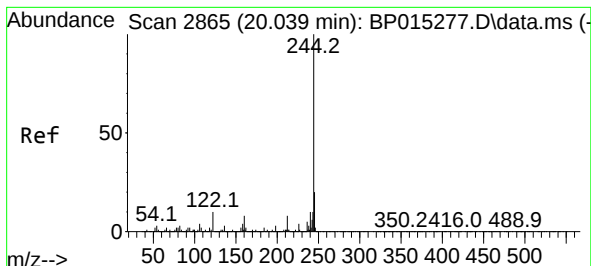
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 80.759 ng

RT: 20.045 min Scan# 2865

Delta R.T. 0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

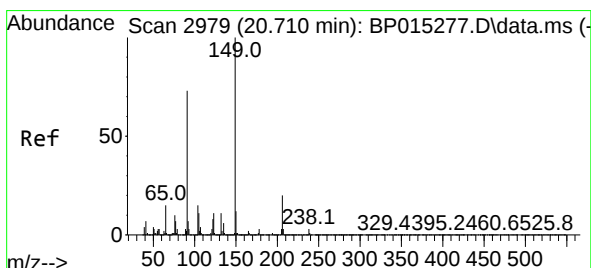
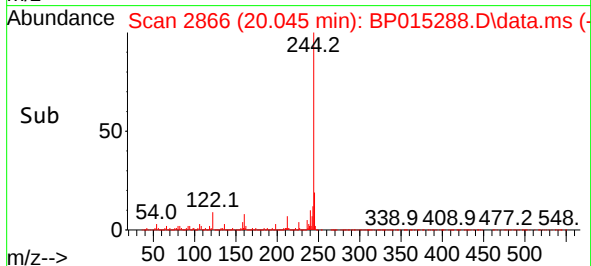
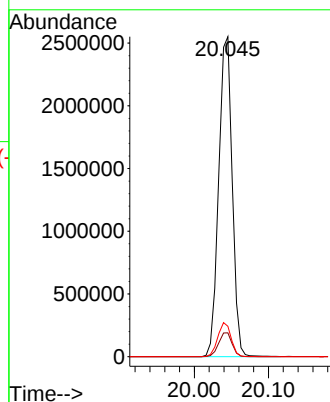
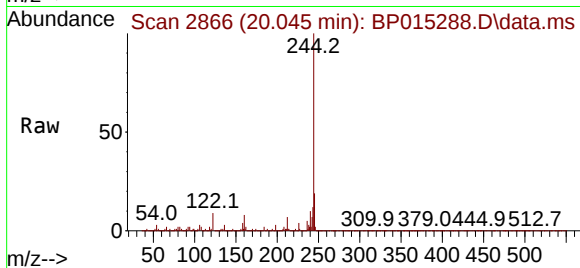
Tgt Ion:244 Resp: 3234127

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.5 8.2 12.4



#80

Butylbenzylphthalate

Concen: 8.140 ng

RT: 20.710 min Scan# 2979

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

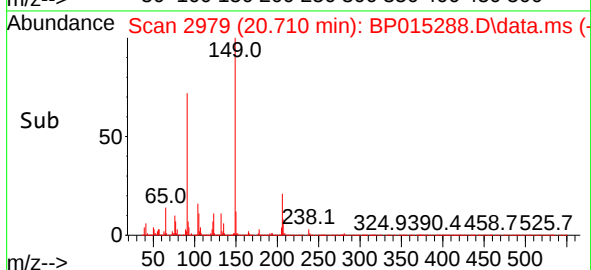
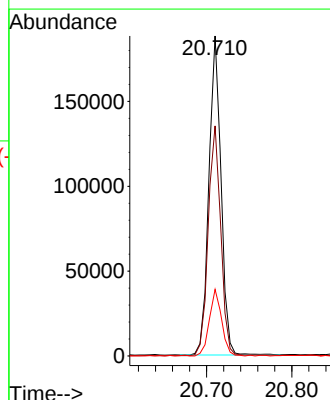
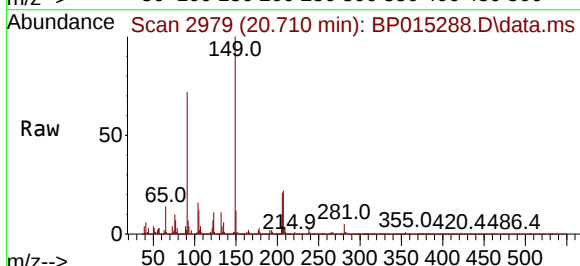
Tgt Ion:149 Resp: 185908

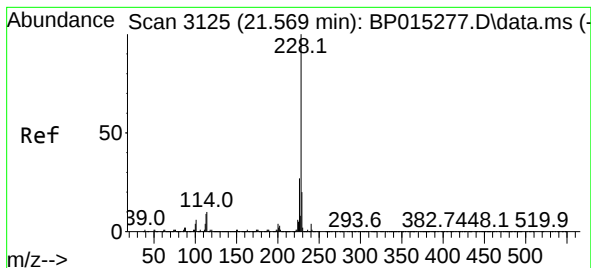
Ion Ratio Lower Upper

149 100

91 71.9 58.2 87.2

206 20.8 16.2 24.4





#81

Benzo(a)anthracene

Concen: 9.574 ng

RT: 21.569 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

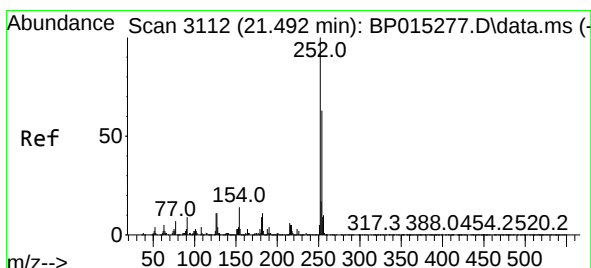
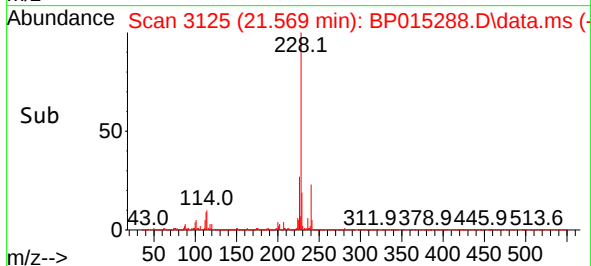
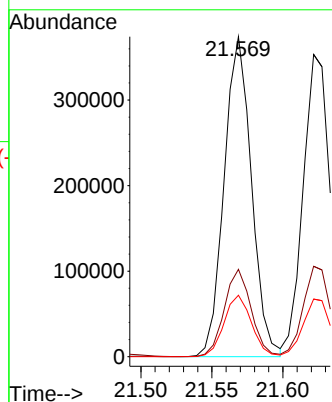
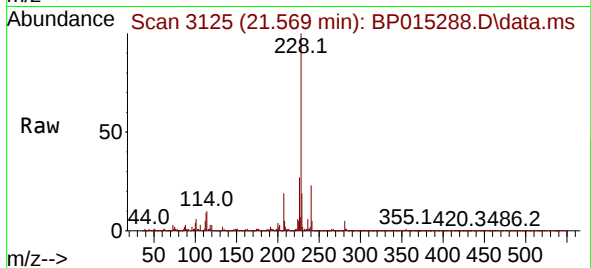
Tgt Ion:228 Resp: 501097

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 19.2 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 11.264 ng

RT: 21.492 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

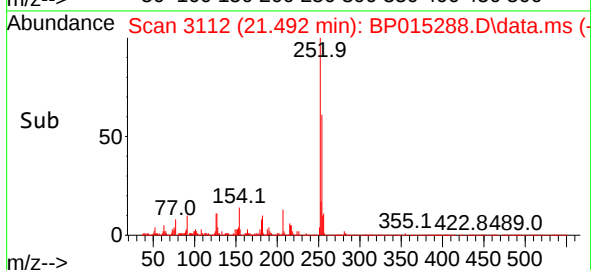
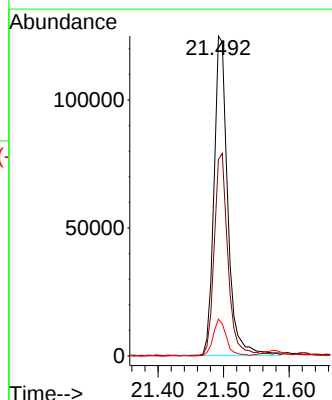
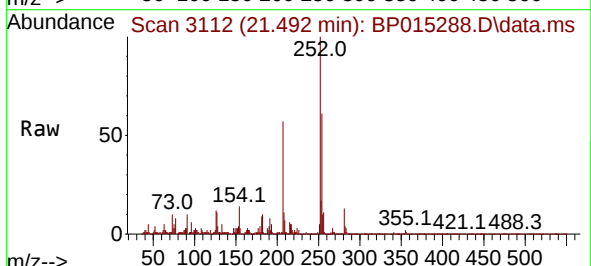
Tgt Ion:252 Resp: 182087

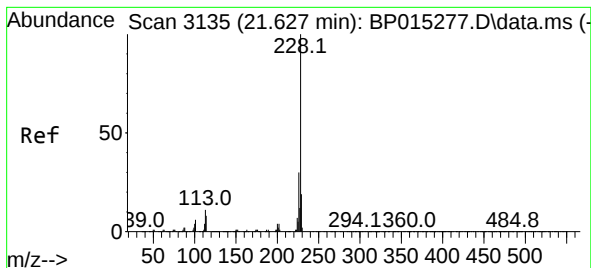
Ion Ratio Lower Upper

252 100

254 61.4 50.7 76.1

126 11.5 8.7 13.1





#83

Chrysene

Concen: 9.551 ng

RT: 21.622 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

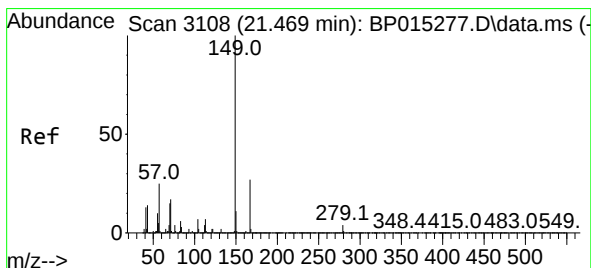
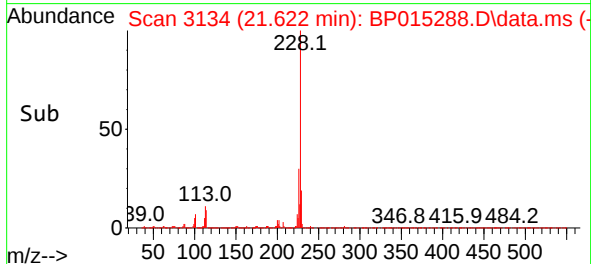
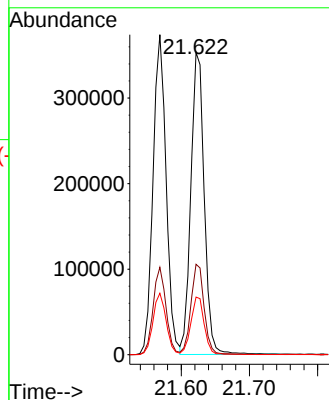
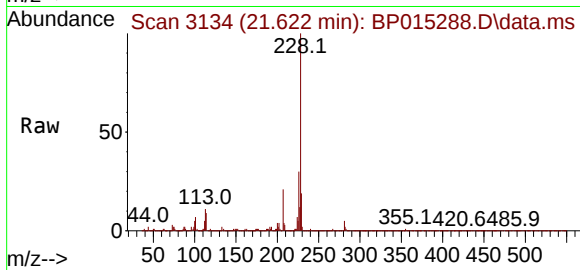
Tgt Ion:228 Resp: 479334

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 19.1 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.358 ng

RT: 21.469 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

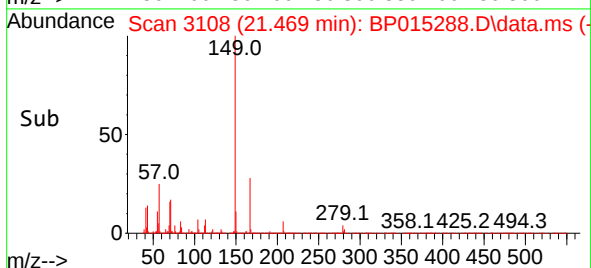
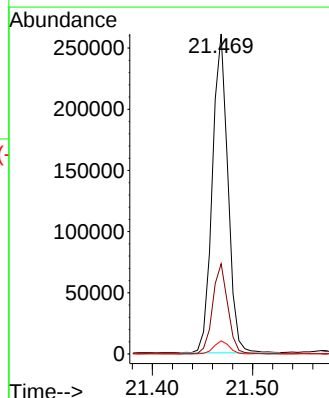
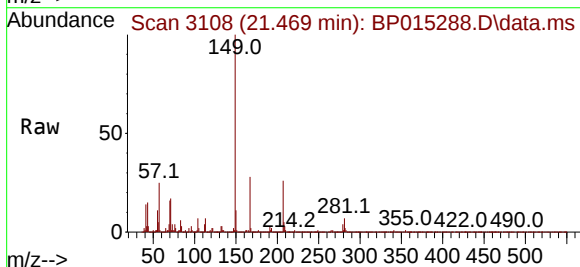
Tgt Ion:149 Resp: 281141

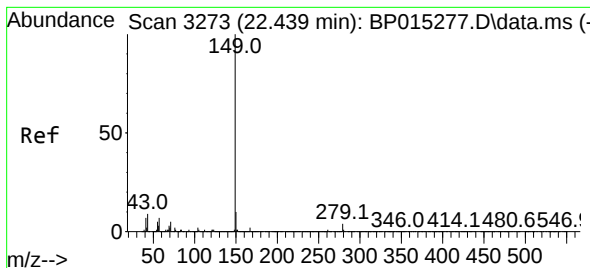
Ion Ratio Lower Upper

149 100

167 28.2 21.6 32.4

279 4.1 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 8.221 ng

RT: 22.439 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

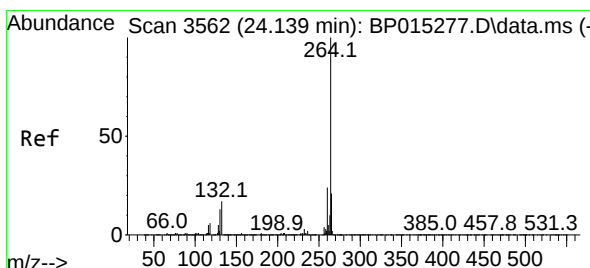
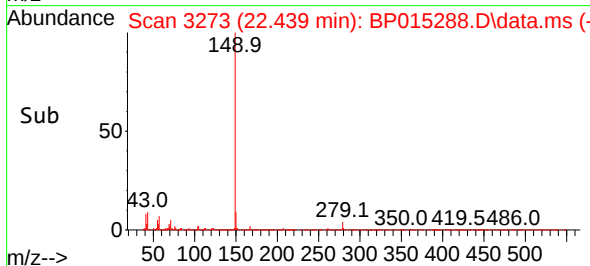
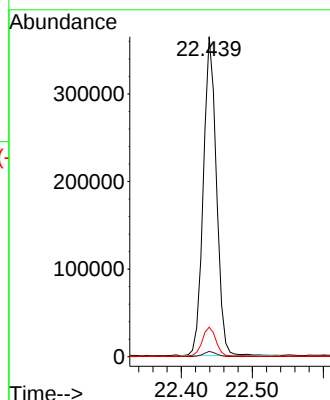
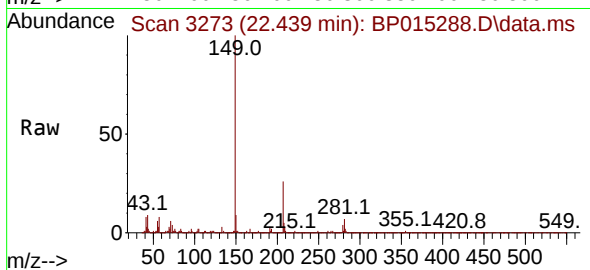
Tgt Ion:149 Resp: 467836

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.6 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3562

Delta R.T. 0.000 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

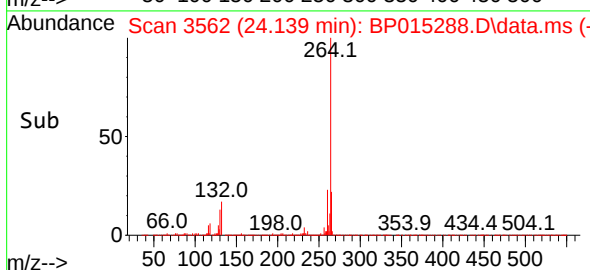
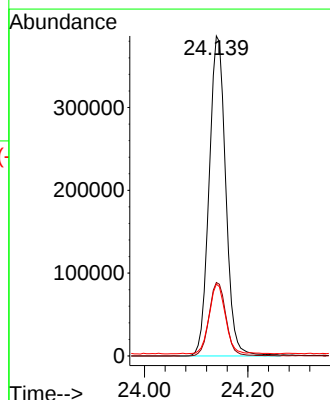
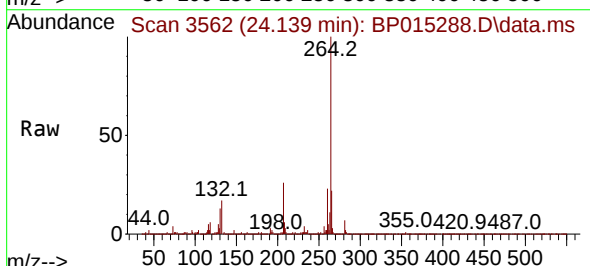
Tgt Ion:264 Resp: 861838

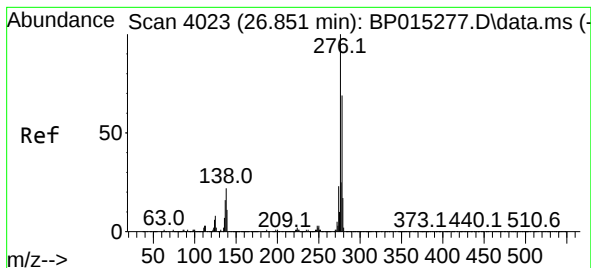
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 22.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.618 ng

RT: 26.839 min Scan# 4021

Delta R.T. -0.012 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

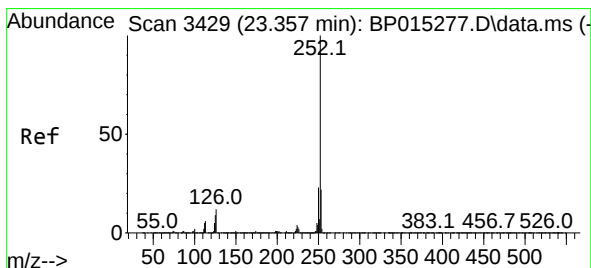
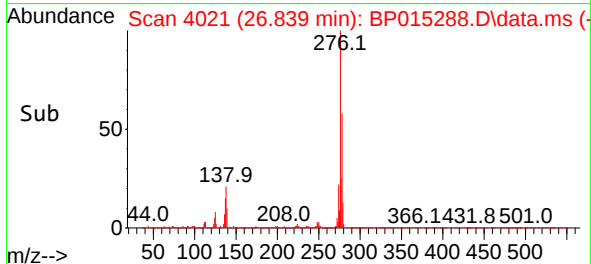
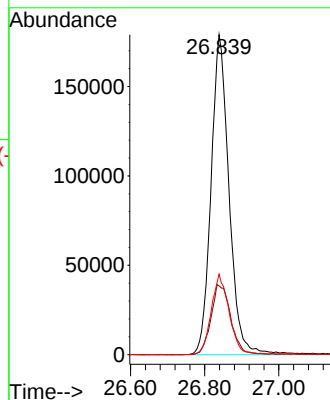
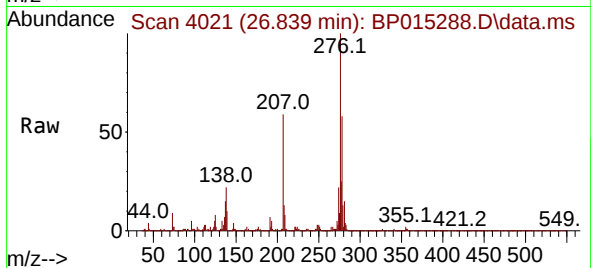
Tgt Ion:276 Resp: 600820

Ion Ratio Lower Upper

276 100

138 24.0 19.0 28.6

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.500 ng

RT: 23.351 min Scan# 3428

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

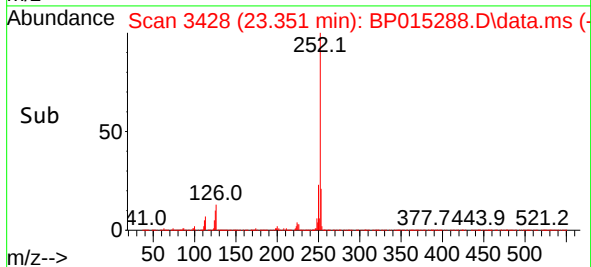
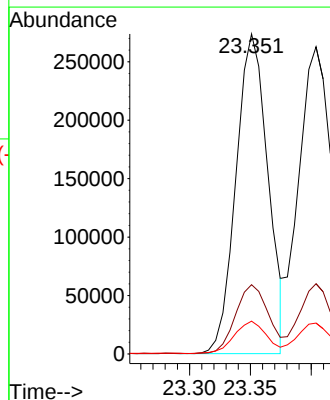
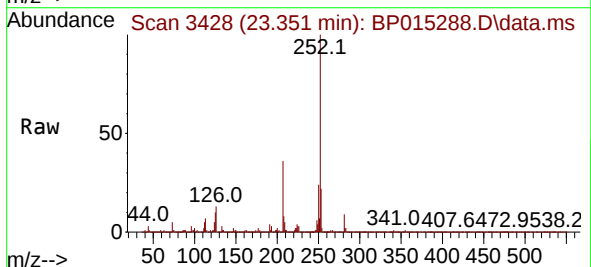
Tgt Ion:252 Resp: 497792

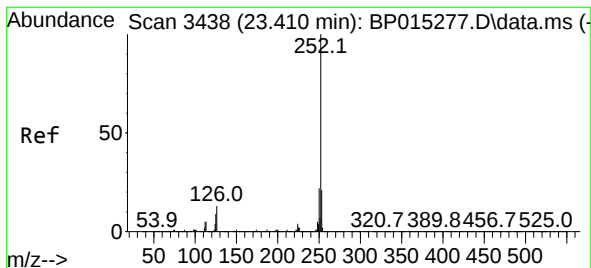
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 10.3 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 9.768 ng

RT: 23.404 min Scan# 34

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

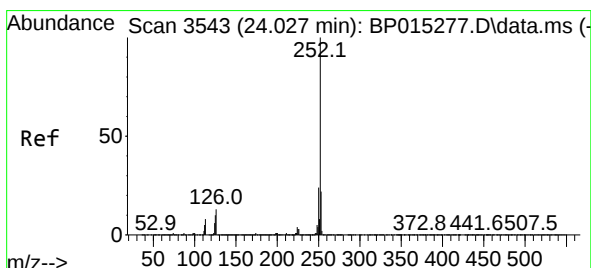
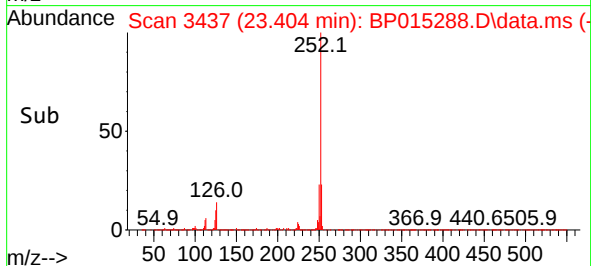
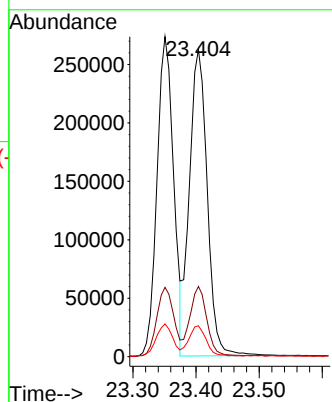
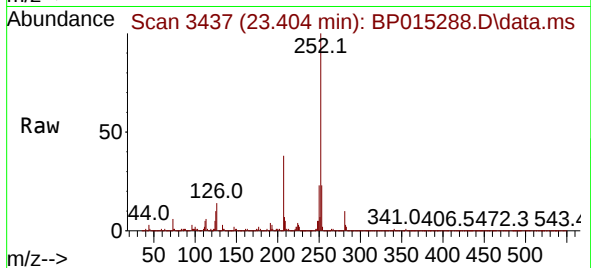
Tgt Ion:252 Resp: 515440

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 10.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 8.602 ng

RT: 24.021 min Scan# 3542

Delta R.T. -0.006 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

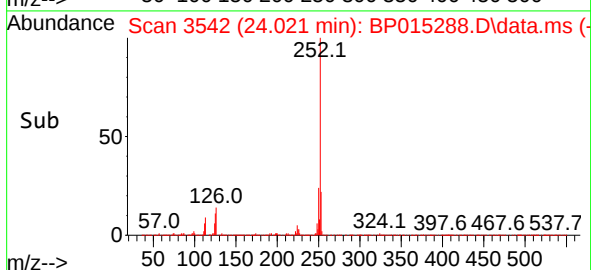
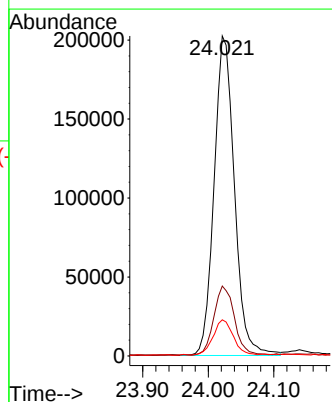
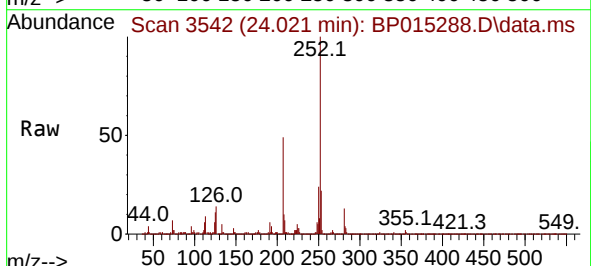
Tgt Ion:252 Resp: 435177

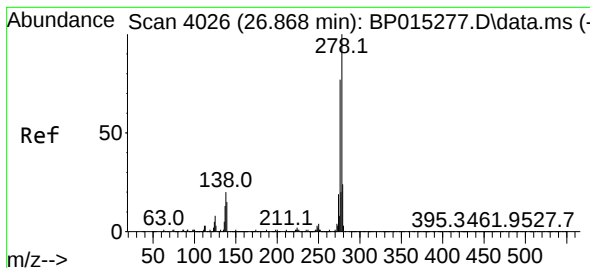
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 9.635 ng

RT: 26.857 min Scan# 4026

Delta R.T. -0.012 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

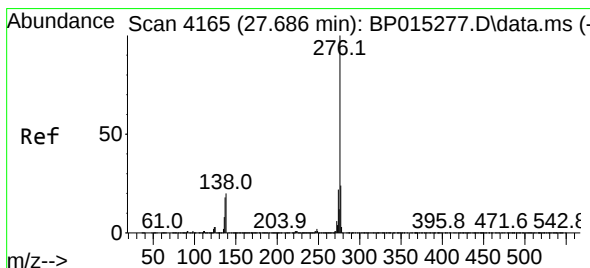
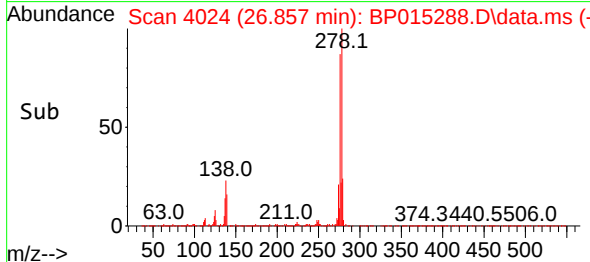
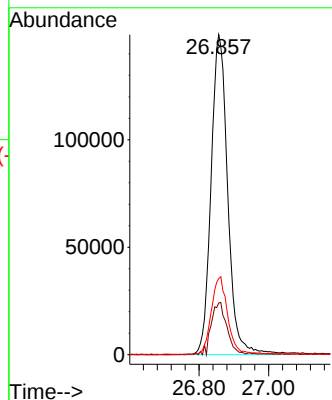
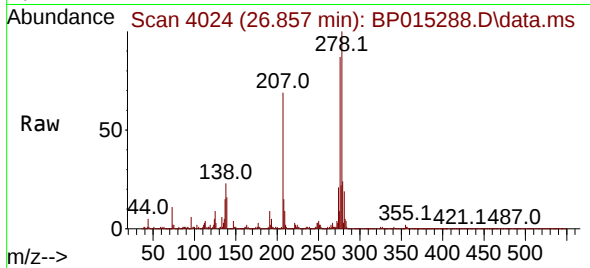
Tgt Ion:278 Resp: 494290

Ion Ratio Lower Upper

278 100

139 16.2 12.3 18.5

279 23.8 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.496 ng

RT: 27.674 min Scan# 4163

Delta R.T. -0.012 min

Lab File: BP015288.D

Acq: 25 May 2023 12:32

Tgt Ion:276 Resp: 494972

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.6

138 20.5 16.2 24.2

