

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015290.D
 Acq On : 25 May 2023 14:03
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 25 15:09:09 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	8.110	152	187492	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	718378	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	431808	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	878131	20.000	ng	0.00
76) Chrysene-d12	21.586	240	806963	20.000	ng	0.00
86) Perylene-d12	24.139	264	927841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1053304	93.091	ng	0.00
7) Phenol-d6	7.263	99	1363202	91.933	ng	0.00
23) Nitrobenzene-d5	9.287	82	994934	67.623	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	526863	89.786	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2165849	67.339	ng	0.00
79) Terphenyl-d14	20.045	244	2810607	65.513	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	41675	8.316	ng	97
3) Pyridine	3.881	79	87850	6.859	ng	98
4) n-Nitrosodimethylamine	3.787	42	45368	7.590	ng	94
6) Aniline	7.428	93	151946	8.107	ng	99
8) 2-Chlorophenol	7.669	128	98191	8.304	ng	98
9) Benzaldehyde	7.240	77	89676	8.070	ng	95
10) Phenol	7.287	94	119220	8.028	ng	97
11) bis(2-Chloroethyl)ether	7.528	93	102254	8.215	ng	97
12) 1,3-Dichlorobenzene	7.999	146	113416	8.620	ng	100
13) 1,4-Dichlorobenzene	8.146	146	113531	8.573	ng	98
14) 1,2-Dichlorobenzene	8.469	146	109626	8.676	ng	99
15) Benzyl Alcohol	8.352	79	76884	7.429	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.634	45	135959	8.471	ng	99
17) 2-Methylphenol	8.557	107	79026	7.478	ng	99
18) Hexachloroethane	9.199	117	42405	8.496	ng	94
19) n-Nitroso-di-n-propyla...	8.922	70	78521	8.274	ng	99
20) 3+4-Methylphenols	8.887	107	103752	7.267	ng	95
22) Acetophenone	8.946	105	157145	8.422	ng	# 98
24) Nitrobenzene	9.328	77	118422	8.083	ng	99
25) Isophorone	9.857	82	200538	7.595	ng	99
26) 2-Nitrophenol	10.052	139	45726	7.111	ng	95
27) 2,4-Dimethylphenol	10.099	122	86245	8.000	ng	99
28) bis(2-Chloroethoxy)met...	10.340	93	131827	8.101	ng	100
29) 2,4-Dichlorophenol	10.587	162	85606	7.659	ng	96
30) 1,2,4-Trichlorobenzene	10.799	180	102766	8.242	ng	99
31) Naphthalene	10.993	128	311859	8.243	ng	99
32) Benzoic acid	10.175	122	28331	9.222	ng	94
33) 4-Chloroaniline	11.104	127	116383	7.441	ng	99
34) Hexachlorobutadiene	11.269	225	63983	8.099	ng	99
35) Caprolactam	11.875	113	22412	6.531	ng	96
36) 4-Chloro-3-methylphenol	12.216	107	90007	7.406	ng	99
37) 2-Methylnaphthalene	12.587	142	213620	7.944	ng	98
38) 1-Methylnaphthalene	12.804	142	203109	8.096	ng	97
40) 1,2,4,5-Tetrachloroben...	12.951	216	118316	8.351	ng	99
41) Hexachlorocyclopentadiene	12.928	237	58633	7.813	ng	97
43) 2,4,6-Trichlorophenol	13.193	196	68334	7.430	ng	96

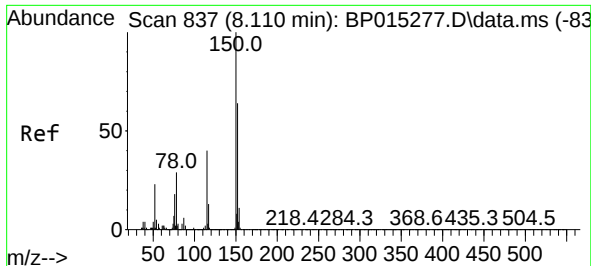
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.263	196	71850	6.646	ng	97
46) 1,1'-Biphenyl	13.587	154	286823	8.383	ng	98
47) 2-Chloronaphthalene	13.634	162	218142	8.452	ng	99
48) 2-Nitroaniline	13.840	65	51621	6.547	ng	94
49) Acenaphthylene	14.475	152	325722	7.887	ng	100
50) Dimethylphthalate	14.204	163	258870	7.663	ng	99
51) 2,6-Dinitrotoluene	14.328	165	51398	7.206	ng	98
52) Acenaphthene	14.816	154	198437	8.068	ng	98
53) 3-Nitroaniline	14.663	138	47843	6.563	ng	98
54) 2,4-Dinitrophenol	14.875	184	20146	9.113	ng	90
55) Dibenzofuran	15.151	168	319068	7.930	ng	99
56) 4-Nitrophenol	14.963	139	34211	8.542	ng	89
57) 2,4-Dinitrotoluene	15.116	165	61216	6.527	ng	93
58) Fluorene	15.798	166	251447	8.091	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.375	232	64297	7.436	ng	100
60) Diethylphthalate	15.563	149	251794	7.482	ng	98
61) 4-Chlorophenyl-phenyle...	15.787	204	126073	7.923	ng	98
62) 4-Nitroaniline	15.822	138	42546	7.472	ng	97
63) Azobenzene	16.081	77	242067	7.540	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	33569	6.294	ng	98
66) n-Nitrosodiphenylamine	16.004	169	211737	8.092	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	74373	7.833	ng	98
68) Hexachlorobenzene	16.804	284	88285	8.443	ng	98
69) Atrazine	16.951	200	69529	8.322	ng	99
70) Pentachlorophenol	17.151	266	45201	6.308	ng	97
71) Phenanthrene	17.551	178	378326	8.084	ng	100
72) Anthracene	17.639	178	374384	7.987	ng	99
73) Carbazole	17.910	167	320275	7.716	ng	99
74) Di-n-butylphthalate	18.439	149	380336	7.135	ng	100
75) Fluoranthene	19.504	202	415214	7.594	ng	99
77) Benzidine	19.680	184	152716	11.951	ng	99
78) Pyrene	19.857	202	444996	7.707	ng	99
80) Butylbenzylphthalate	20.710	149	156698	6.404	ng	100
81) Benzo(a)anthracene	21.569	228	423618	7.555	ng	99
82) 3,3'-Dichlorobenzidine	21.498	252	152927	8.831	ng	99
83) Chrysene	21.627	228	407725	7.584	ng	99
84) Bis(2-ethylhexyl)phtha...	21.469	149	235618	6.538	ng	99
85) Di-n-octyl phthalate	22.439	149	390052	6.398	ng	99
87) Indeno(1,2,3-cd)pyrene	26.839	276	520526	7.740	ng	99
88) Benzo(b)fluoranthene	23.351	252	450880	7.993	ng	99
89) Benzo(k)fluoranthene	23.404	252	426084	7.501	ng	99
90) Benzo(a)pyrene	24.027	252	380723	6.990	ng	97
91) Dibenzo(a,h)anthracene	26.857	278	427947	7.749	ng	98
92) Benzo(g,h,i)perylene	27.674	276	427404	7.616	ng	98

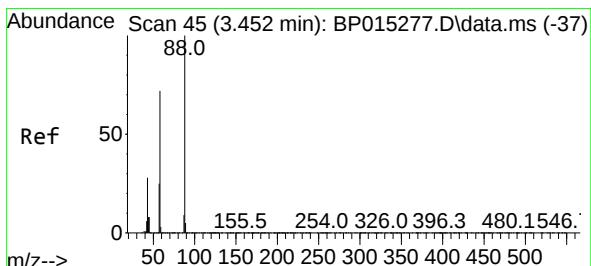
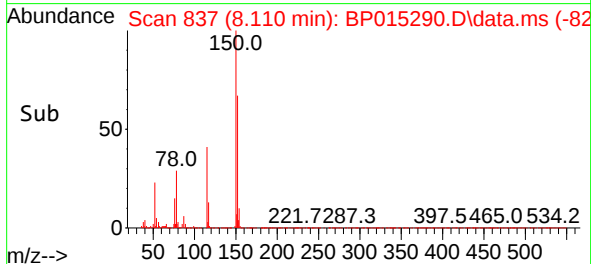
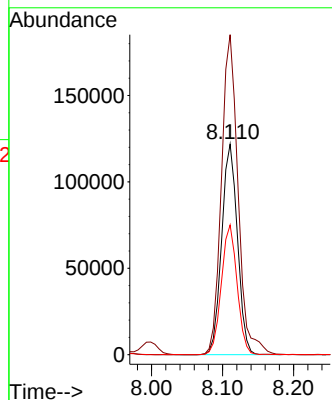
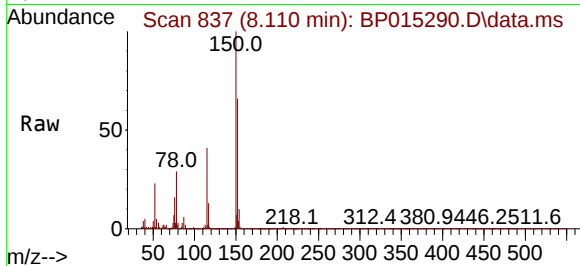
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.110 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03

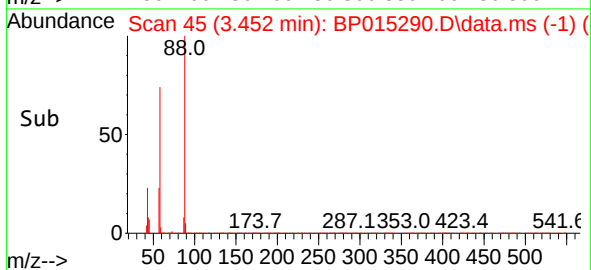
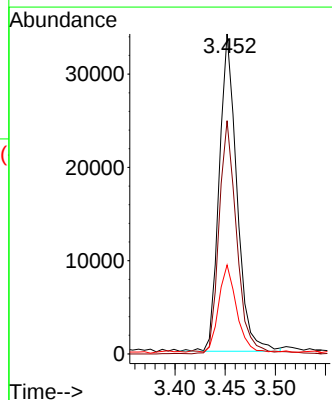
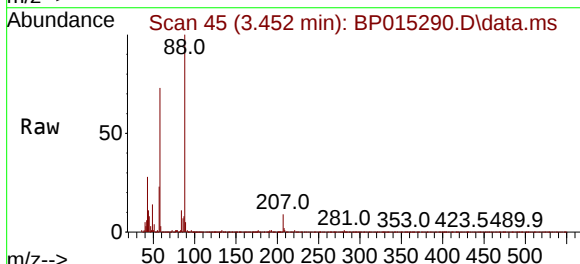
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 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

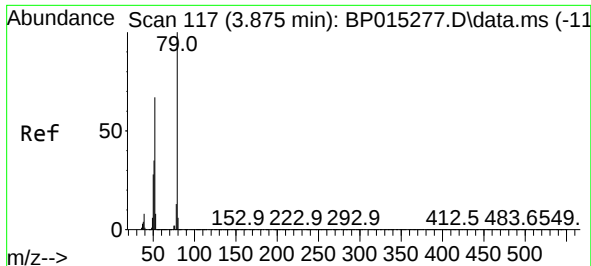
Tgt Ion:152 Resp: 187492
 Ion Ratio Lower Upper
 152 100
 150 152.0 124.2 186.2
 115 61.6 49.1 73.7



#2
 1,4-Dioxane
 Concen: 8.316 ng
 RT: 3.452 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03

Tgt Ion: 88 Resp: 41675
 Ion Ratio Lower Upper
 88 100
 58 73.4 56.2 84.4
 43 28.3 22.1 33.1

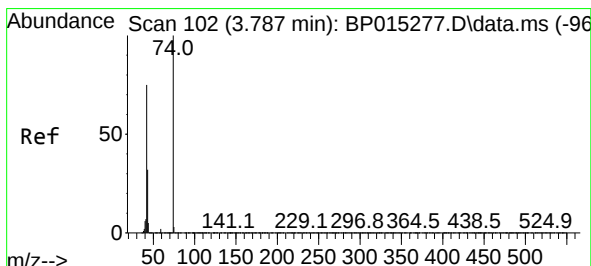
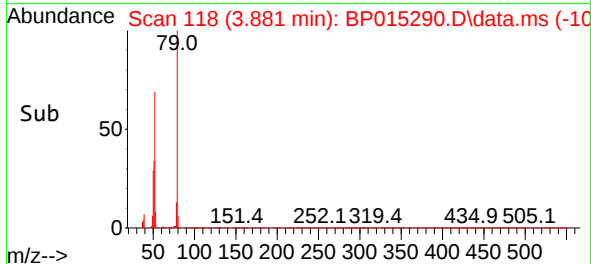
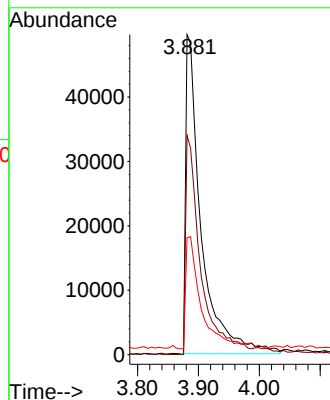
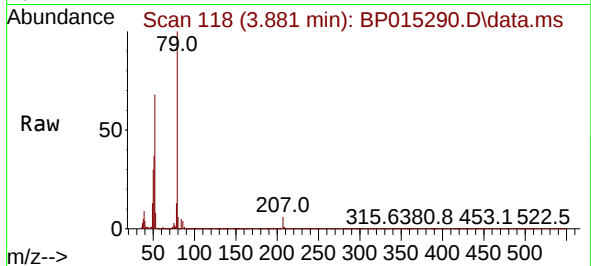




#3
Pyridine
Concen: 6.859 ng
RT: 3.881 min Scan# 117
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

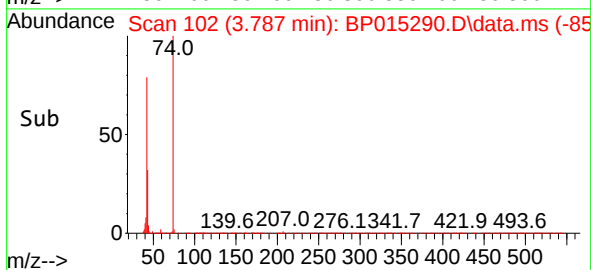
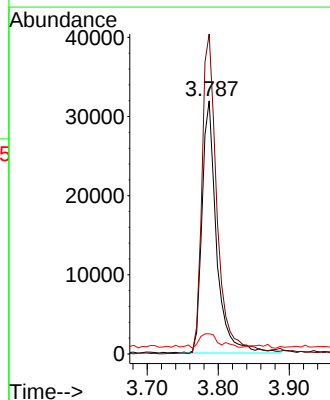
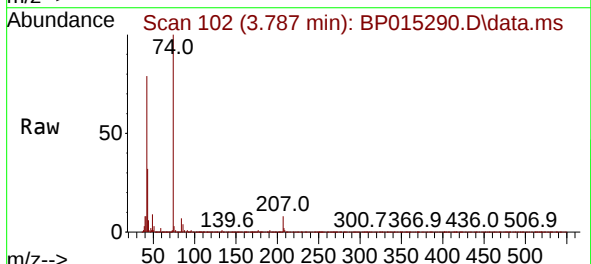
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

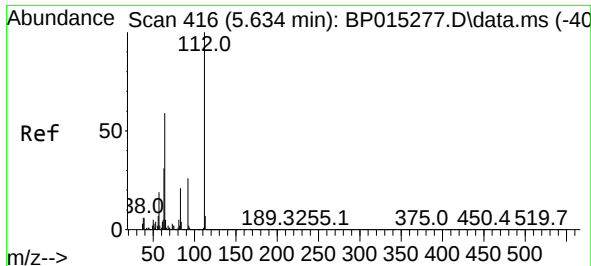
Tgt Ion: 79 Resp: 87850
Ion Ratio Lower Upper
79 100
52 68.5 53.7 80.5
51 36.6 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 7.590 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 42 Resp: 45368
Ion Ratio Lower Upper
42 100
74 126.4 106.6 160.0
44 7.9 5.8 8.8

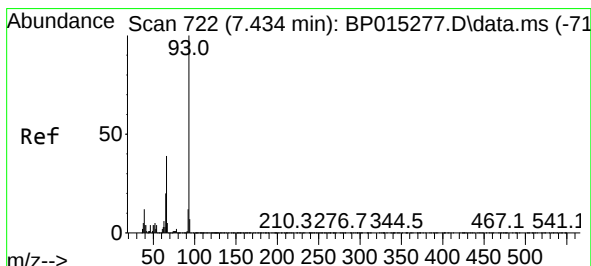
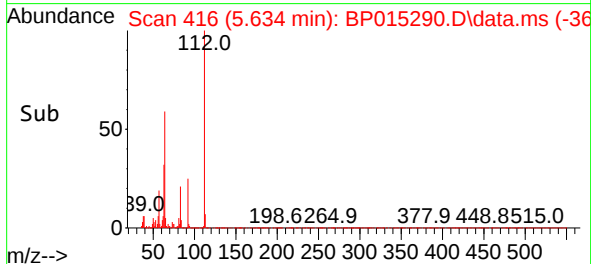
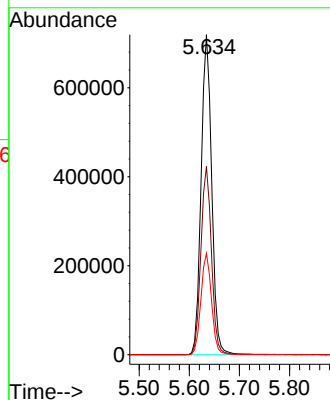
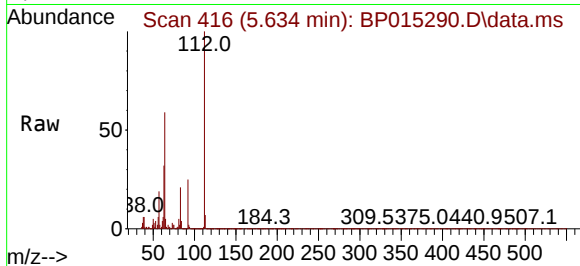




#5
2-Fluorophenol
Concen: 93.091 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

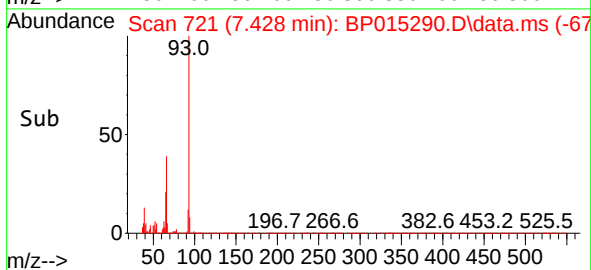
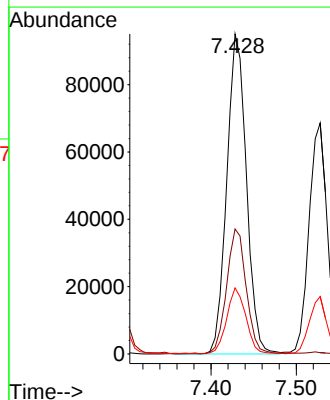
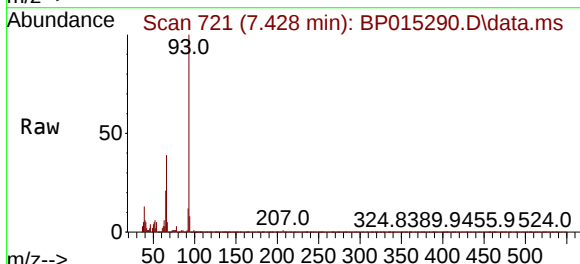
Instrument :
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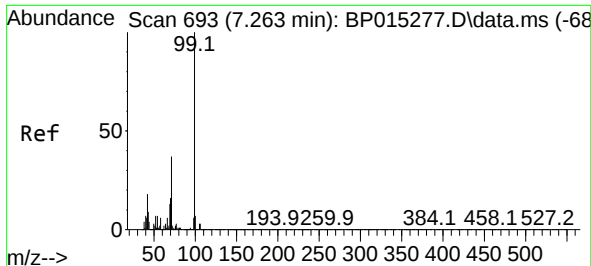
Tgt Ion:112 Resp: 1053304
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 31.7 24.6 37.0



#6
Aniline
Concen: 8.107 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 93 Resp: 151946
Ion Ratio Lower Upper
93 100
66 39.0 31.3 46.9
65 20.7 16.0 24.0



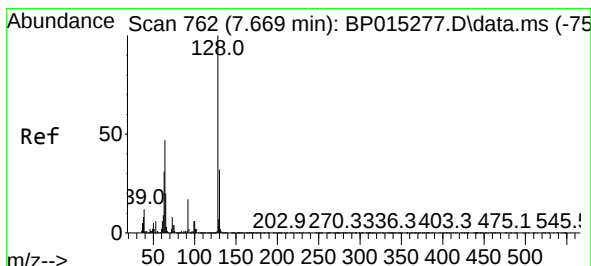
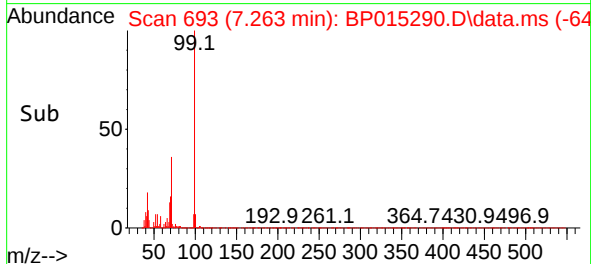
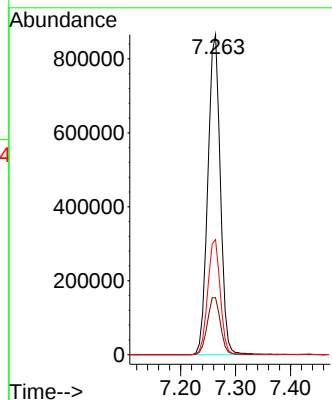
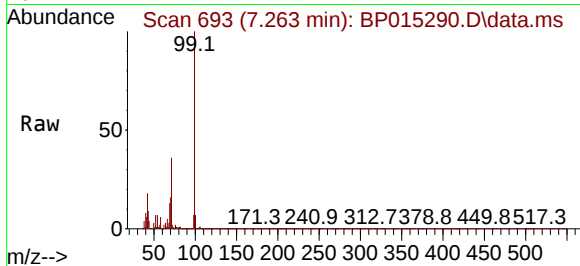


#7
Phenol-d6
Concen: 91.933 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 99 Resp: 1363202

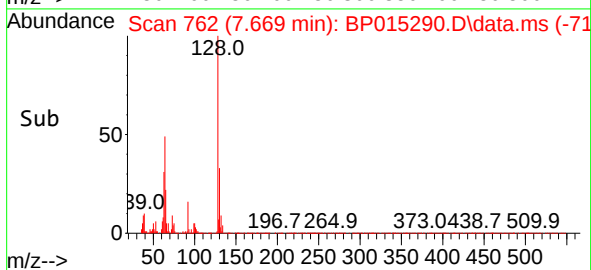
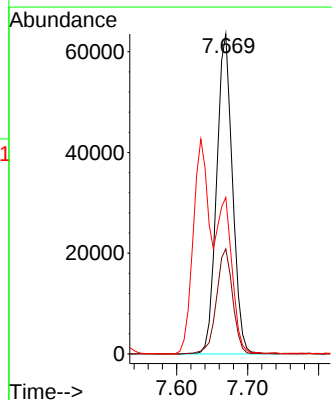
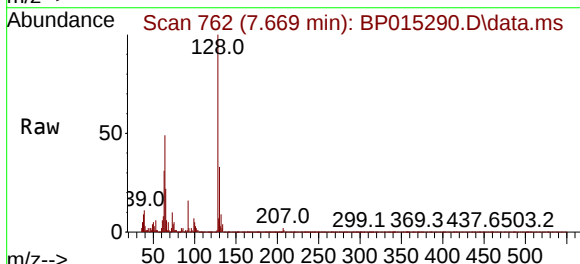
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	22.0
71	35.9	29.4	44.2

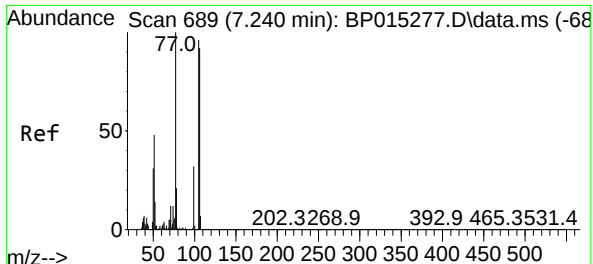


#8
2-Chlorophenol
Concen: 8.304 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 128 Resp: 98191

Ion	Ratio	Lower	Upper
128	100		
130	32.9	11.5	51.5
64	48.9	27.3	67.3

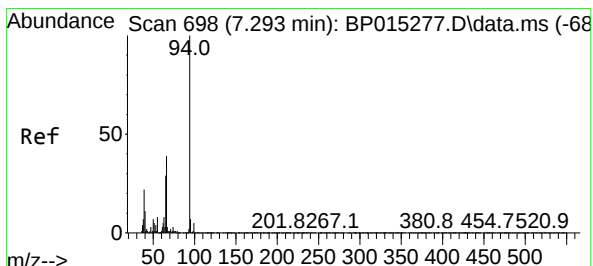
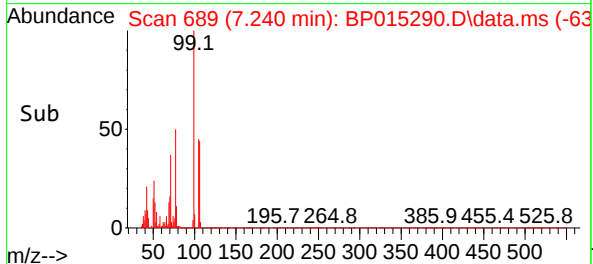
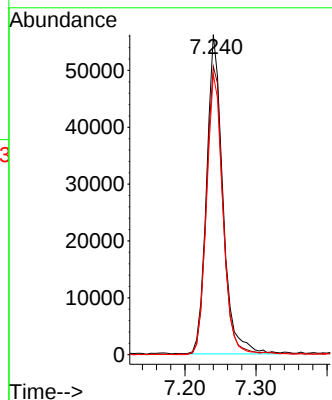
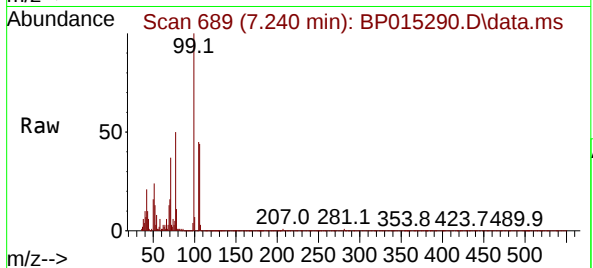




#9
Benzaldehyde
Concen: 8.070 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

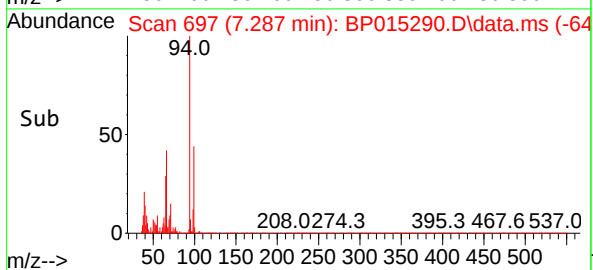
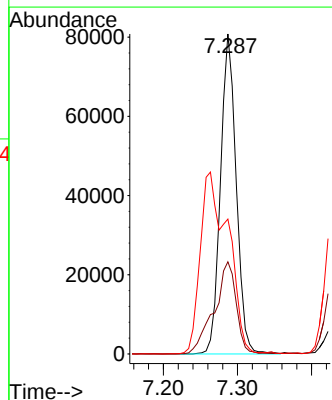
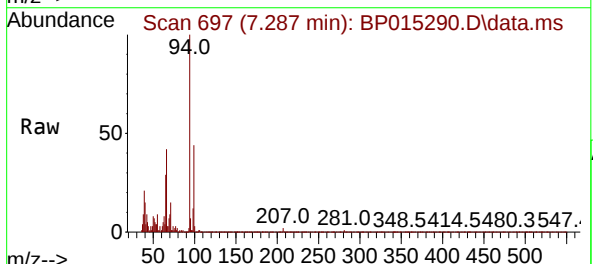
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ClientSampleId :
LOQ-SOIL-02-QT2-2023

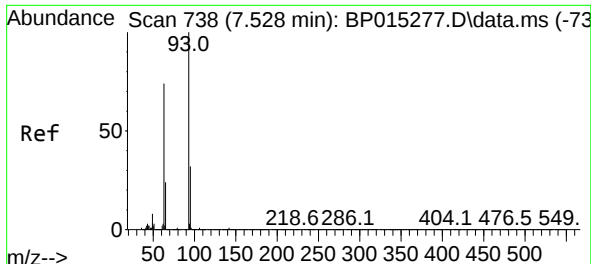
Tgt Ion: 77 Resp: 89676
Ion Ratio Lower Upper
77 100
105 90.1 75.9 115.9
106 87.7 72.3 112.3



#10
Phenol
Concen: 8.028 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 94 Resp: 119220
Ion Ratio Lower Upper
94 100
65 28.8 9.1 49.1
66 42.2 19.3 59.3

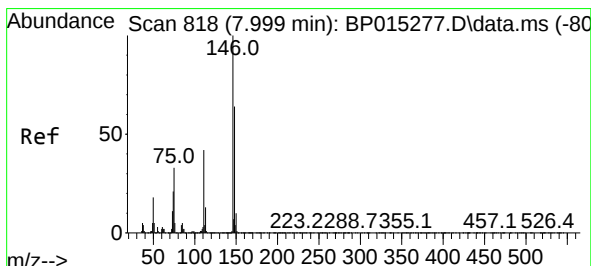
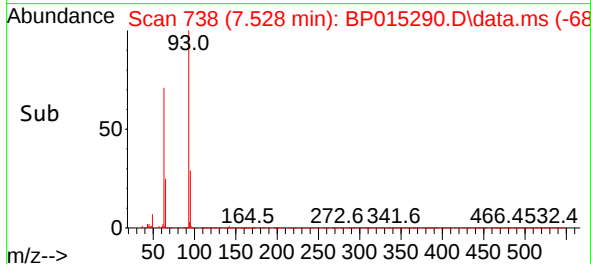
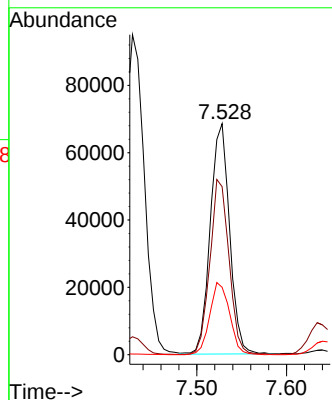
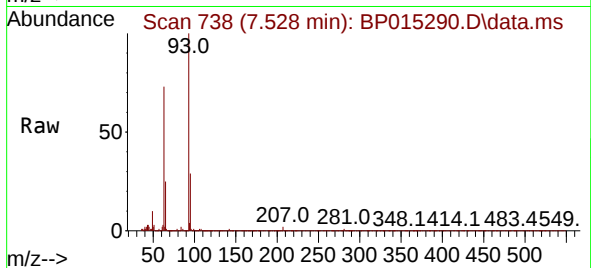




#11
bis(2-Chloroethyl)ether
Concen: 8.215 ng
RT: 7.528 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

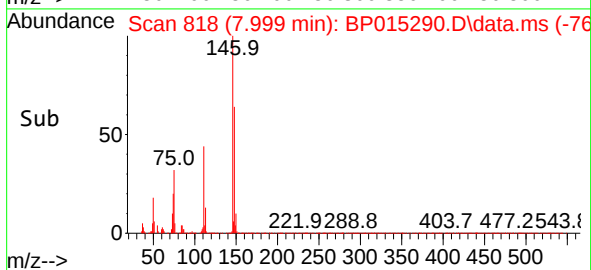
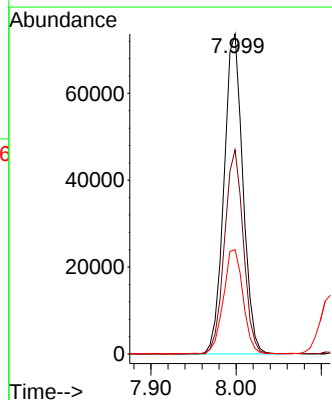
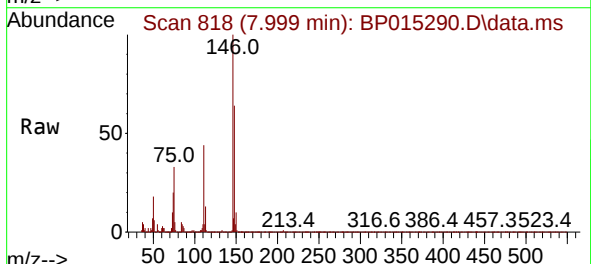
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

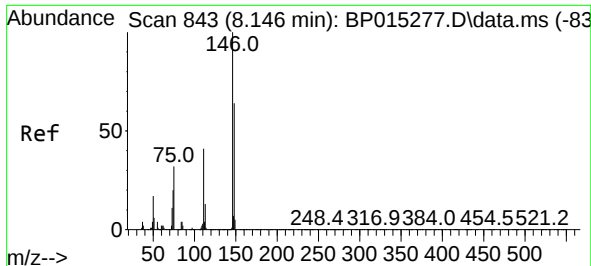
Tgt Ion: 93 Resp: 102254
Ion Ratio Lower Upper
93 100
63 72.7 53.9 93.9
95 29.1 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 8.620 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:146 Resp: 113416
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
75 32.6 26.1 39.1

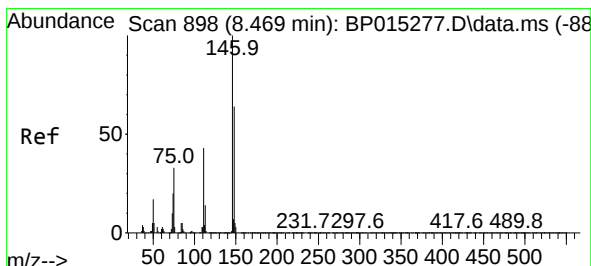
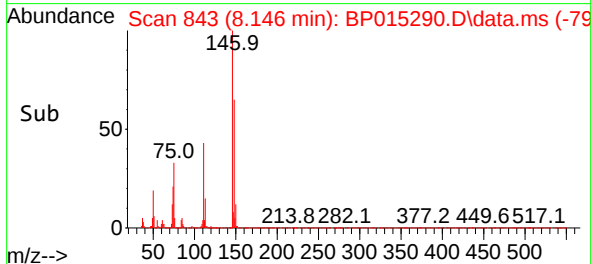
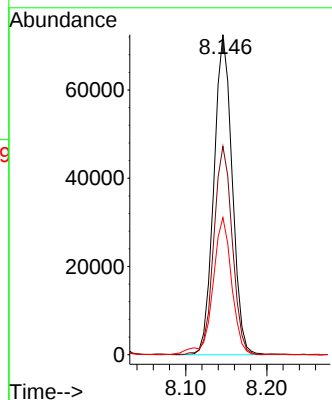
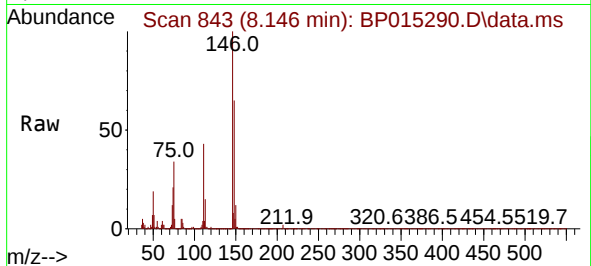




#13
1,4-Dichlorobenzene
Concen: 8.573 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

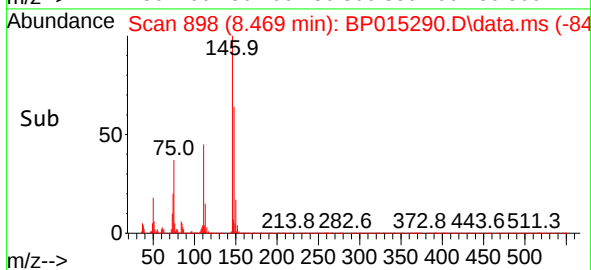
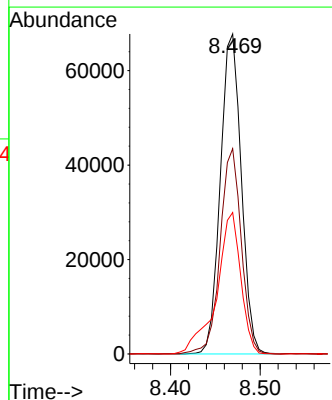
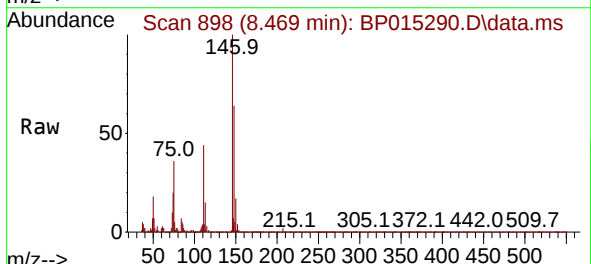
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

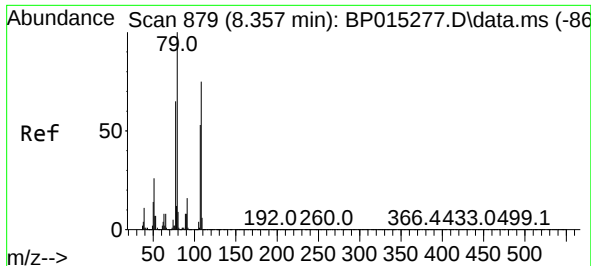
Tgt Ion:146 Resp: 113531
Ion Ratio Lower Upper
146 100
148 65.1 51.0 76.6
111 42.9 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 8.676 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:146 Resp: 109626
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 44.2 34.2 51.2

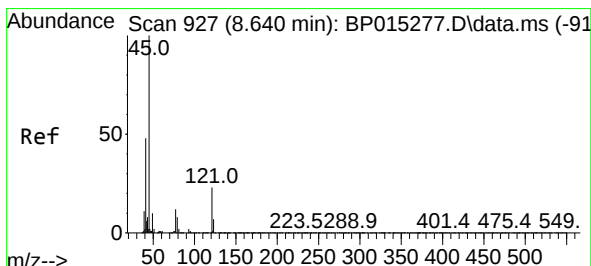
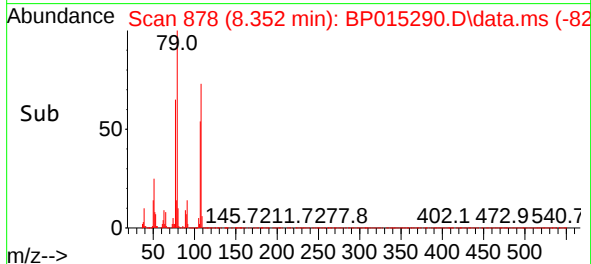
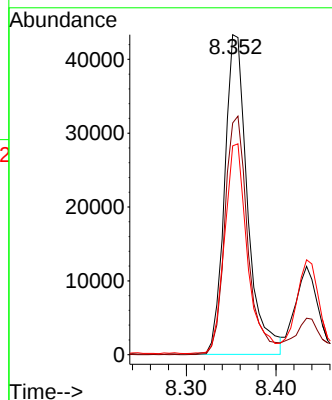
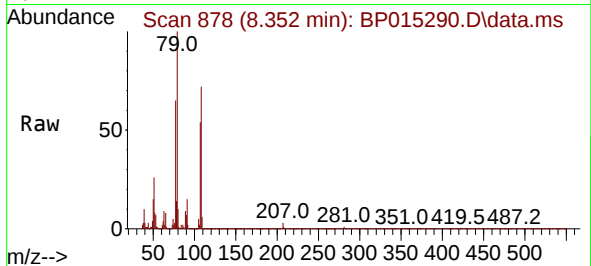




#15
Benzyl Alcohol
Concen: 7.429 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

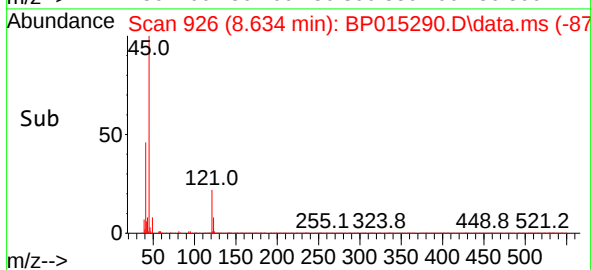
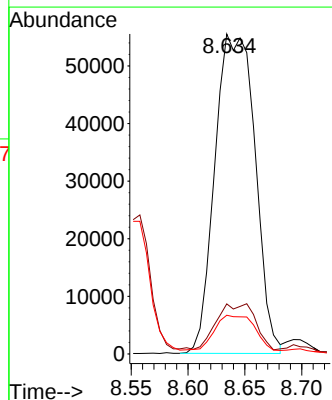
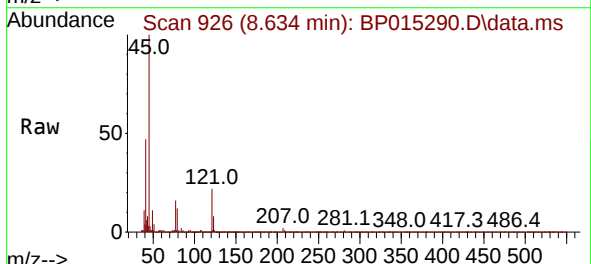
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

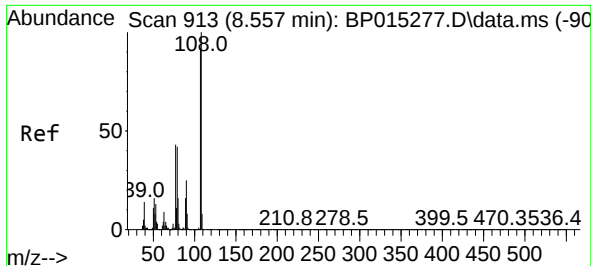
Tgt Ion: 79 Resp: 76884
Ion Ratio Lower Upper
79 100
108 72.4 60.2 90.2
77 65.2 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.471 ng
RT: 8.634 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 45 Resp: 135959
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.3
79 12.1 0.0 31.2





#17

2-Methylphenol

Concen: 7.478 ng

RT: 8.557 min Scan# 91

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:107 Resp: 79026

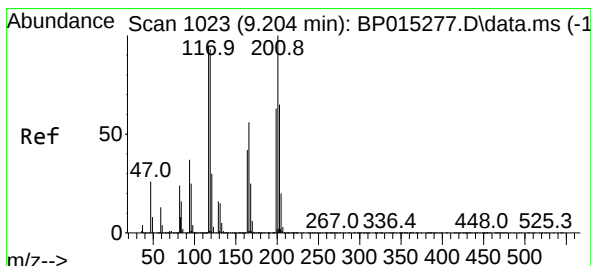
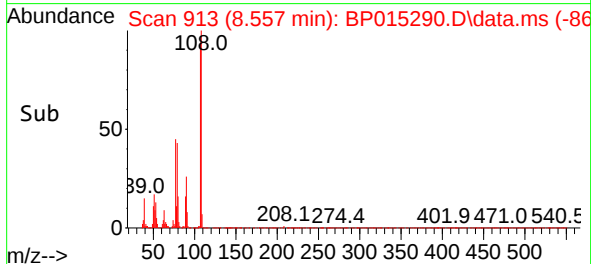
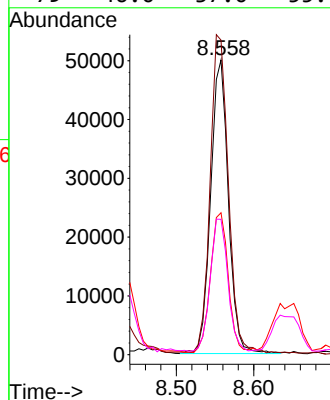
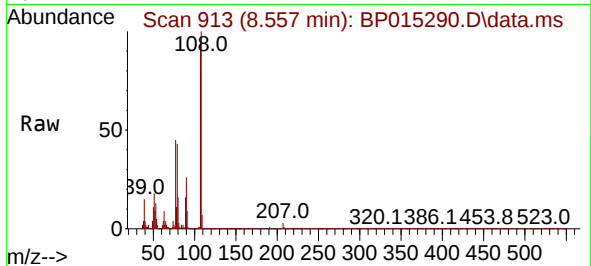
Ion Ratio Lower Upper

107 100

108 106.8 87.3 130.9

77 48.2 38.1 57.1

79 46.0 37.0 55.4



#18

Hexachloroethane

Concen: 8.496 ng

RT: 9.199 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

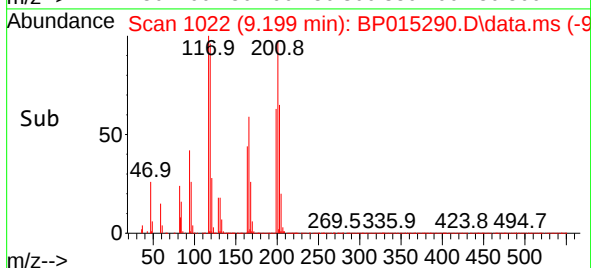
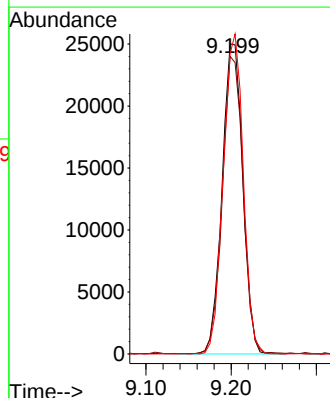
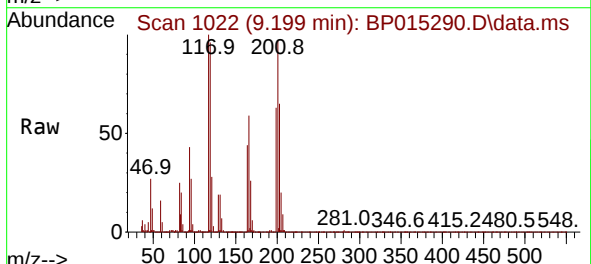
Tgt Ion:117 Resp: 42405

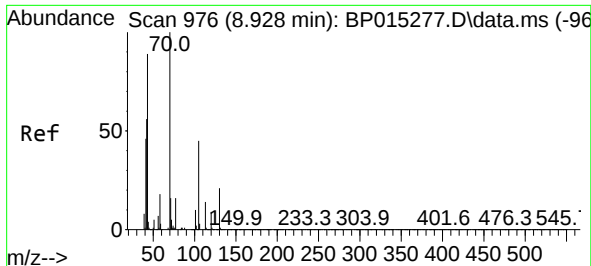
Ion Ratio Lower Upper

117 100

119 96.0 78.8 118.2

201 96.9 84.5 126.7

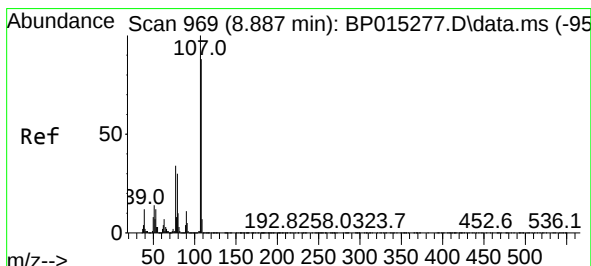
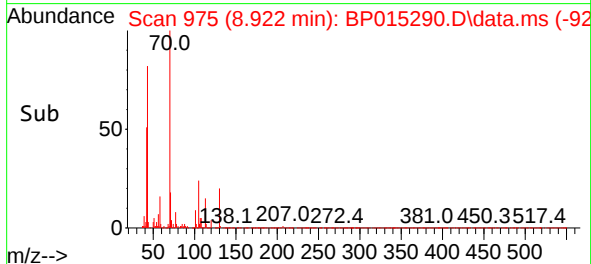
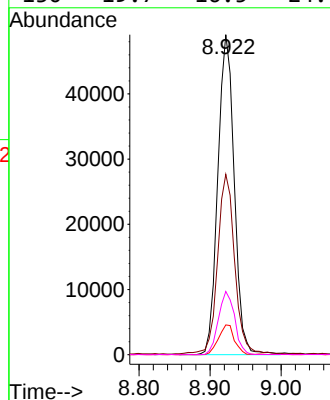
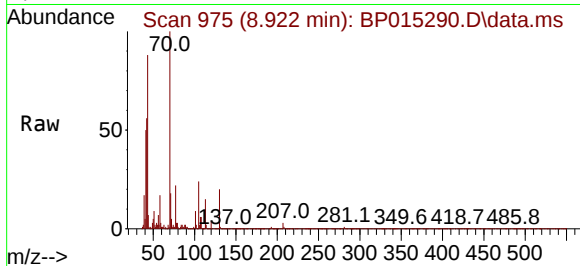




#19
n-Nitroso-di-n-propylamine
Concen: 8.274 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

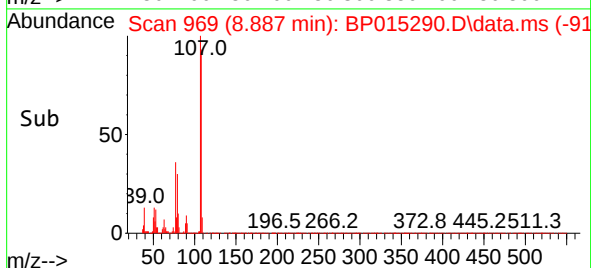
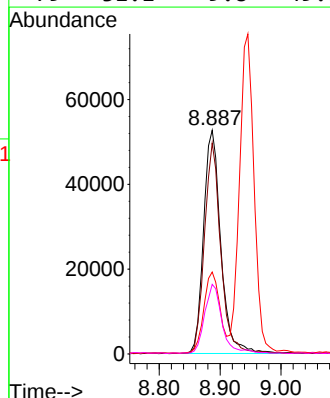
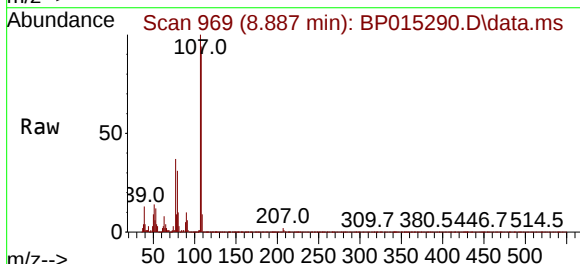
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

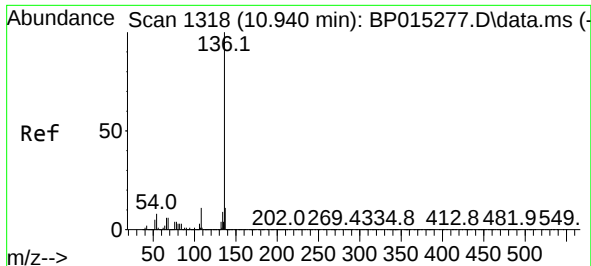
Tgt Ion:	70	Resp:	78521
Ion	Ratio	Lower	Upper
70	100		
42	56.3	45.4	68.2
101	9.3	7.9	11.9
130	19.7	16.5	24.7



#20
3+4-Methylphenols
Concen: 7.267 ng
RT: 8.887 min Scan# 969
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:	107	Resp:	103752
Ion	Ratio	Lower	Upper
107	100		
108	94.3	68.0	108.0
77	36.6	14.5	54.5
79	31.1	9.8	49.8

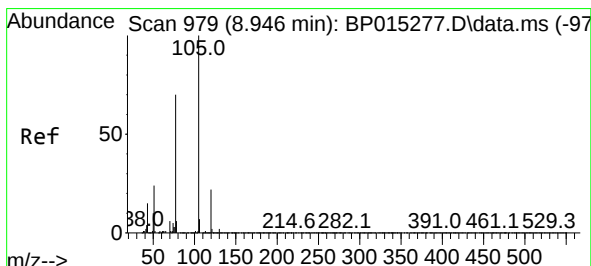
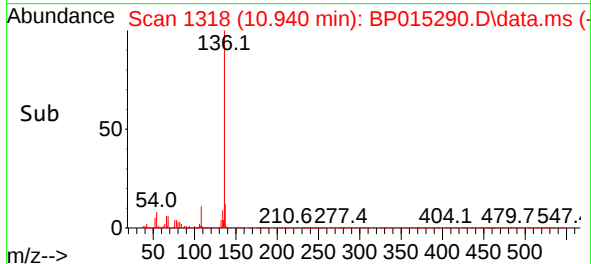
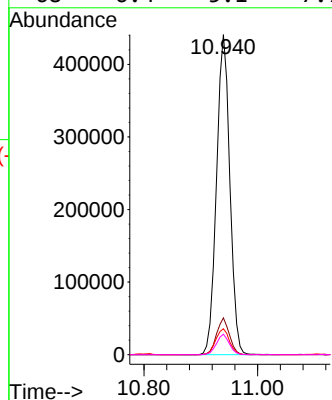
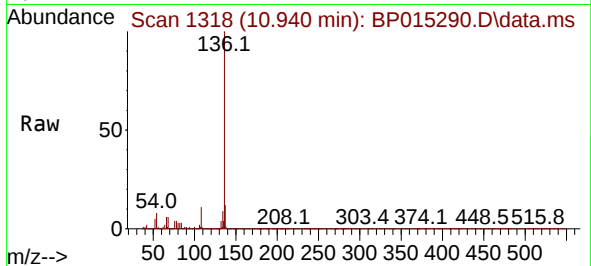




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

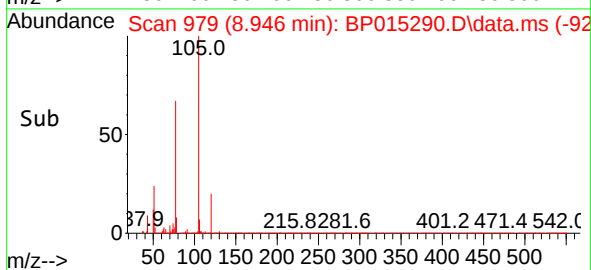
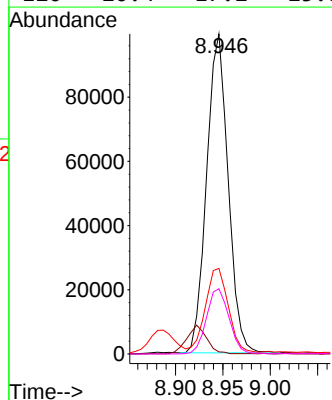
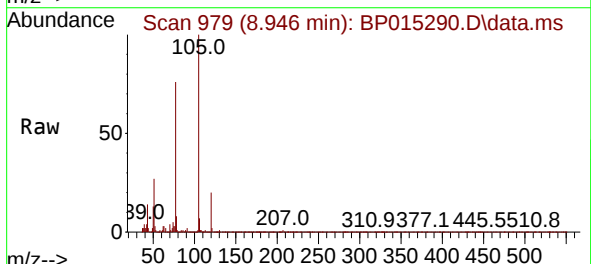
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

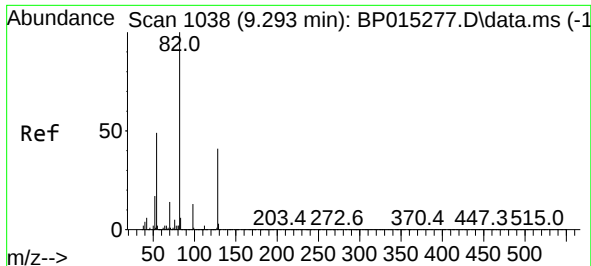
Tgt Ion:	136	Resp:	718378
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.1	6.3	9.5
68	6.4	5.1	7.7



#22
Acetophenone
Concen: 8.422 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:	105	Resp:	157145
Ion	Ratio	Lower	Upper
105	100		
71	0.6	1.5	2.3
51	26.8	22.5	33.7
120	20.4	17.2	25.8





#23

Nitrobenzene-d5

Concen: 67.623 ng

RT: 9.287 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

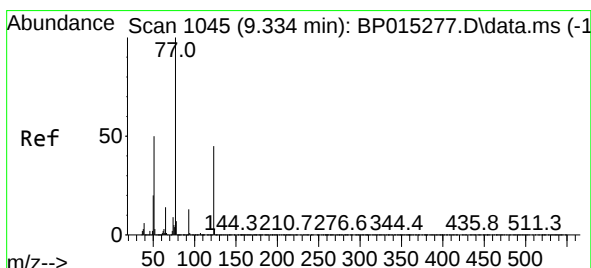
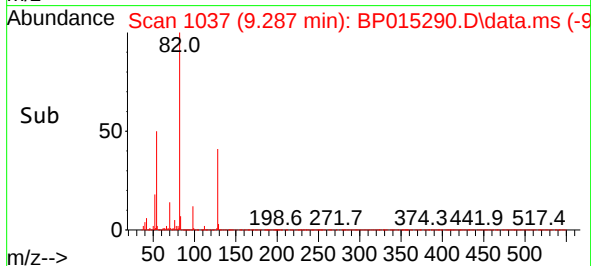
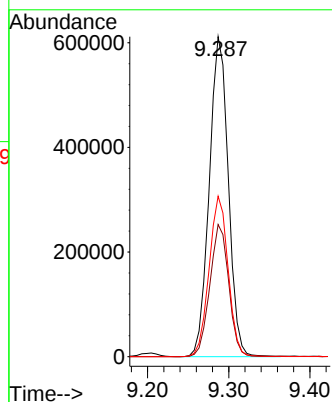
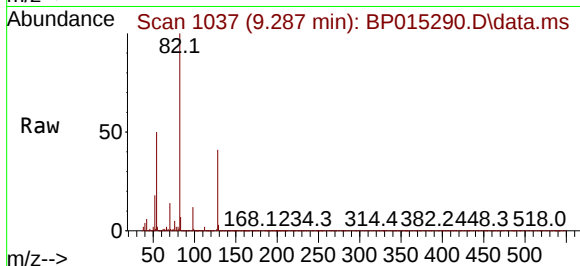
Tgt Ion: 82 Resp: 994934

Ion Ratio Lower Upper

82 100

128 41.3 33.0 49.4

54 50.1 39.2 58.8



#24

Nitrobenzene

Concen: 8.083 ng

RT: 9.328 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

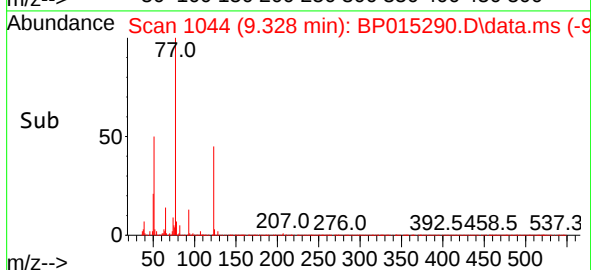
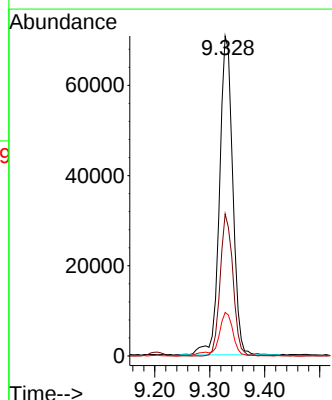
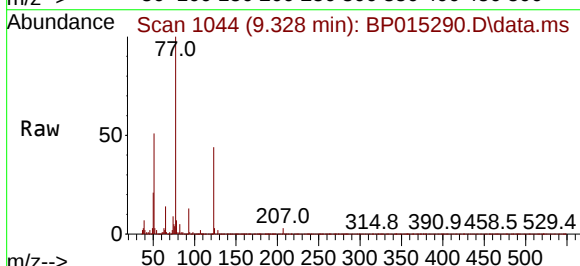
Tgt Ion: 77 Resp: 118422

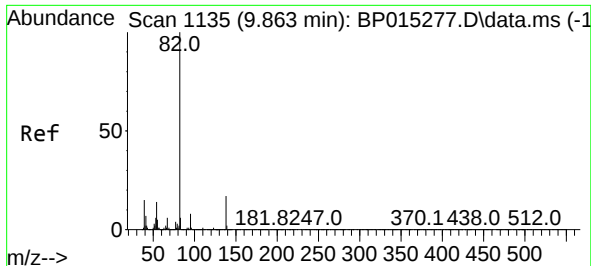
Ion Ratio Lower Upper

77 100

123 44.4 36.2 54.4

65 13.6 10.8 16.2

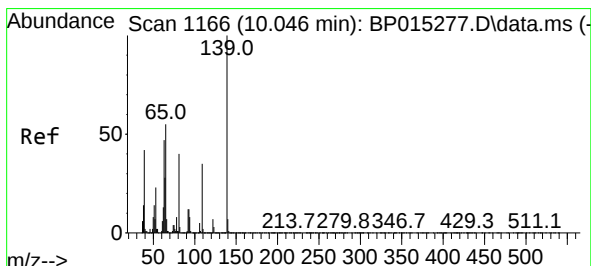
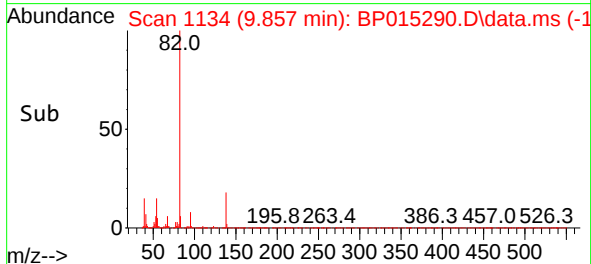
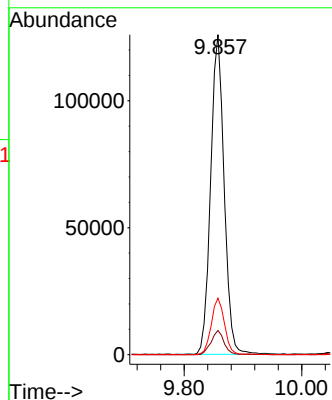
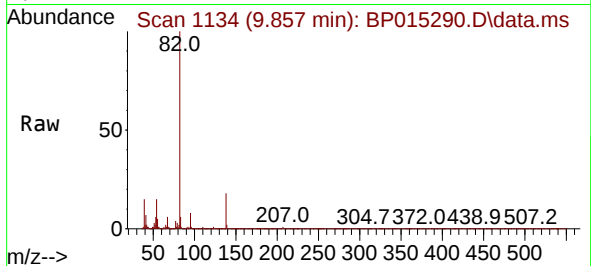




#25
Isophorone
Concen: 7.595 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

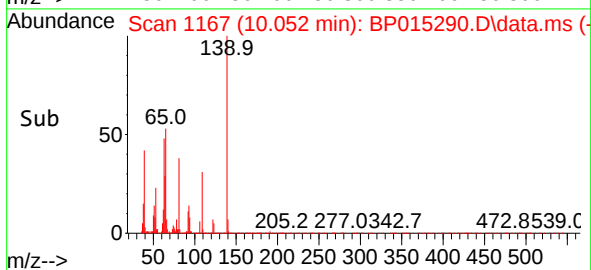
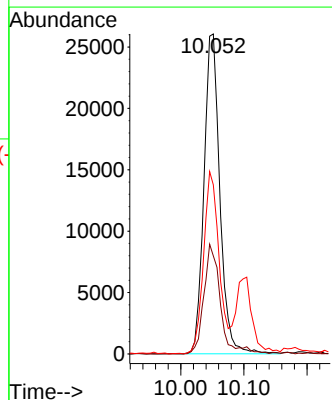
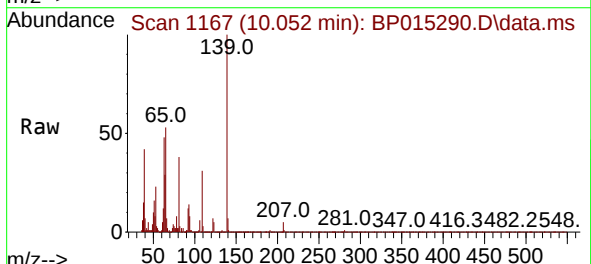
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

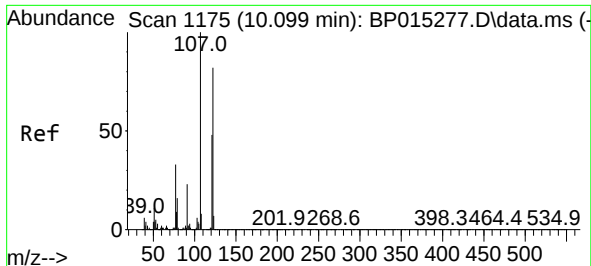
Tgt Ion: 82 Resp: 200538
Ion Ratio Lower Upper
82 100
95 7.5 6.3 9.5
138 17.6 13.6 20.4



#26
2-Nitrophenol
Concen: 7.111 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 139 Resp: 45726
Ion Ratio Lower Upper
139 100
109 30.6 28.4 42.6
65 52.8 43.8 65.8

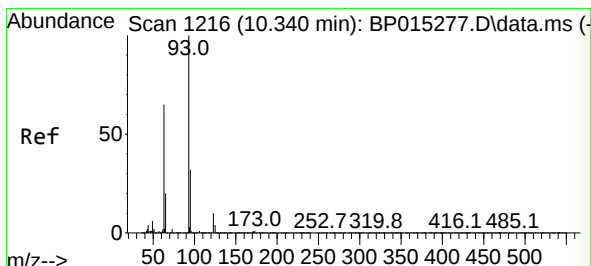
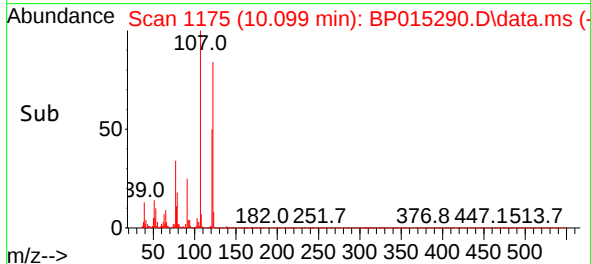
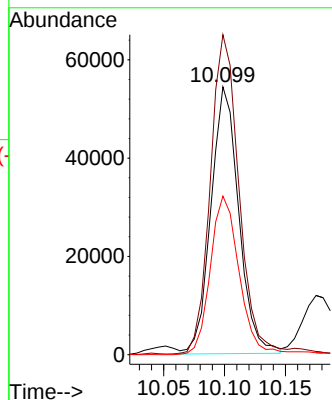
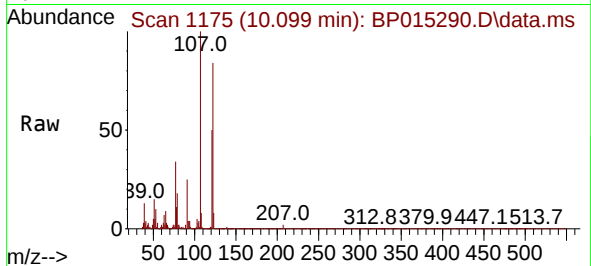




#27
2,4-Dimethylphenol
Concen: 8.000 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

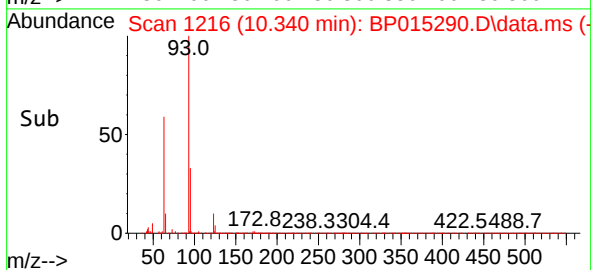
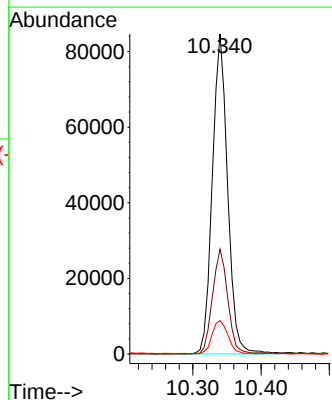
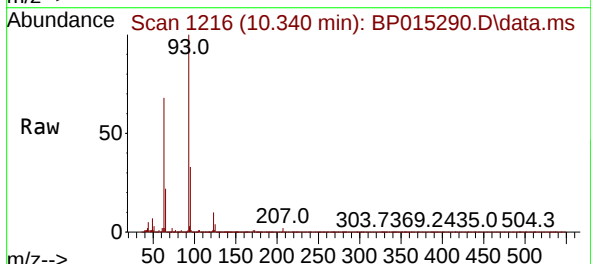
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

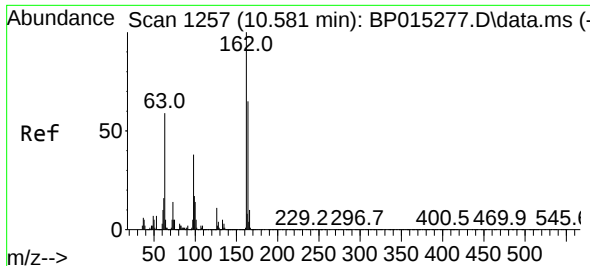
Tgt Ion:122 Resp: 86245
Ion Ratio Lower Upper
122 100
107 119.5 95.9 143.9
121 59.2 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 8.101 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 93 Resp: 131827
Ion Ratio Lower Upper
93 100
95 32.7 26.0 39.0
123 10.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 7.659 ng

RT: 10.587 min Scan# 1257

Delta R.T. 0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

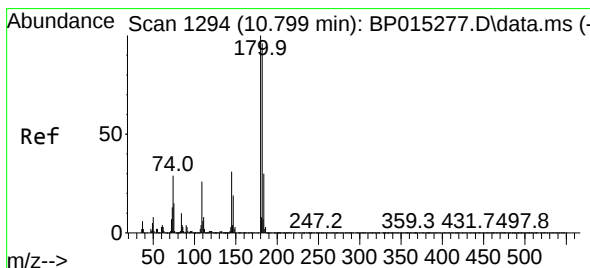
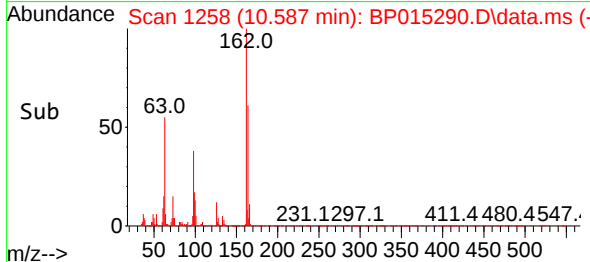
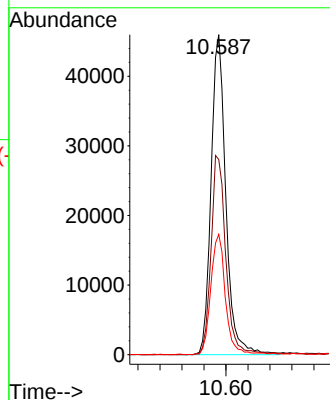
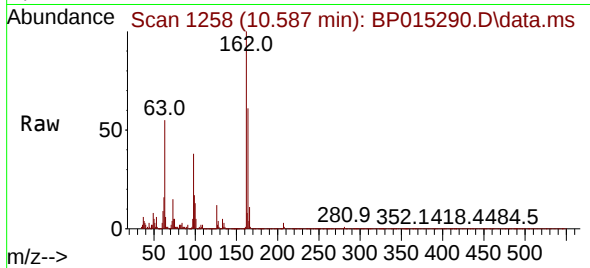
Tgt Ion:162 Resp: 85606

Ion Ratio Lower Upper

162 100

164 61.0 45.4 85.4

98 37.6 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 8.242 ng

RT: 10.799 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

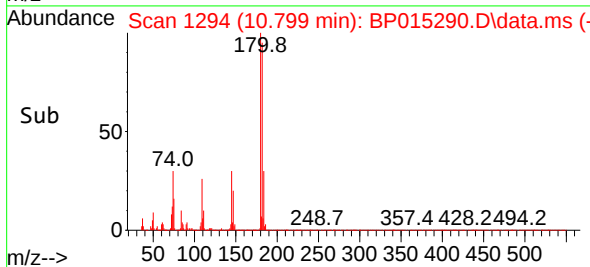
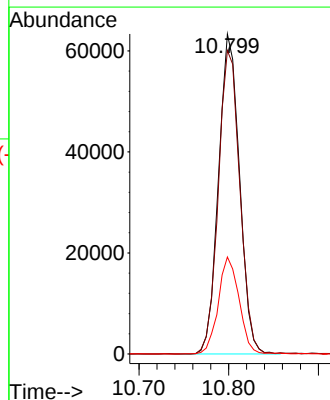
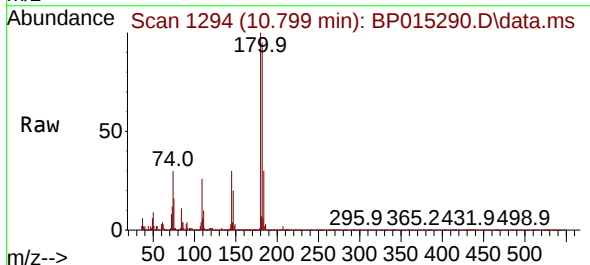
Tgt Ion:180 Resp: 102766

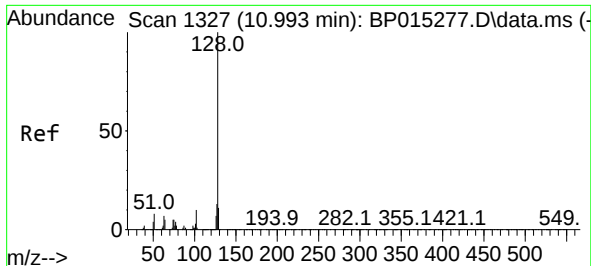
Ion Ratio Lower Upper

180 100

182 94.8 76.6 115.0

145 30.3 24.9 37.3

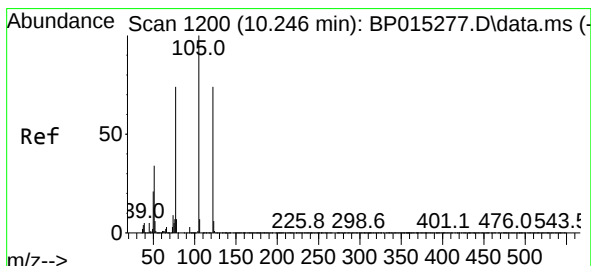
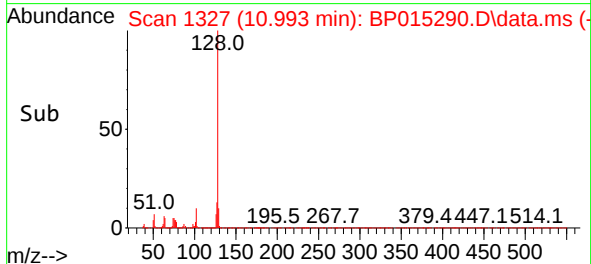
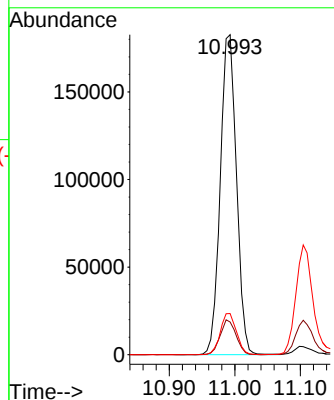
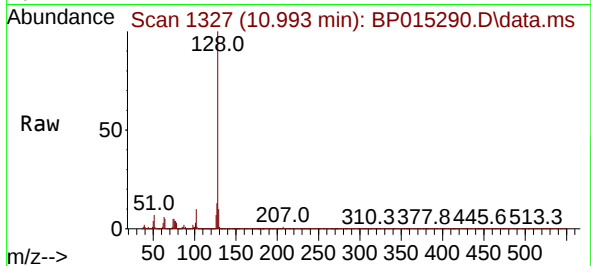




#31
Naphthalene
Concen: 8.243 ng
RT: 10.993 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

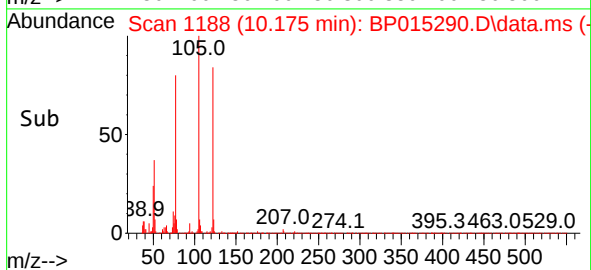
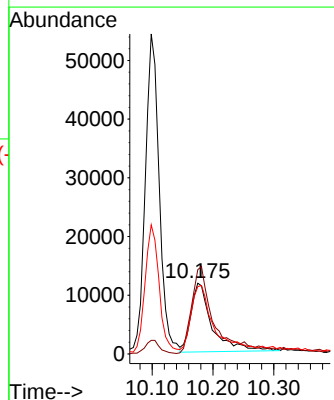
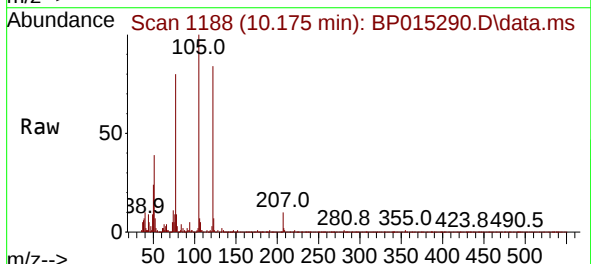
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

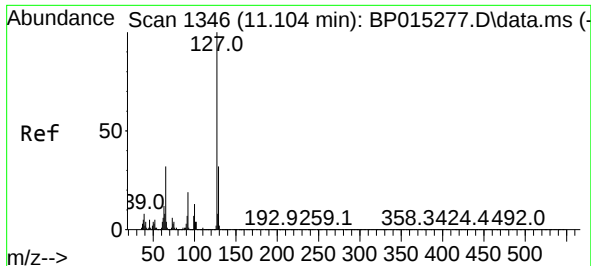
Tgt Ion:128 Resp: 311859
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 9.222 ng
RT: 10.175 min Scan# 1188
Delta R.T. -0.071 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:122 Resp: 28331
Ion Ratio Lower Upper
122 100
105 119.3 109.5 149.5
77 95.4 78.2 118.2

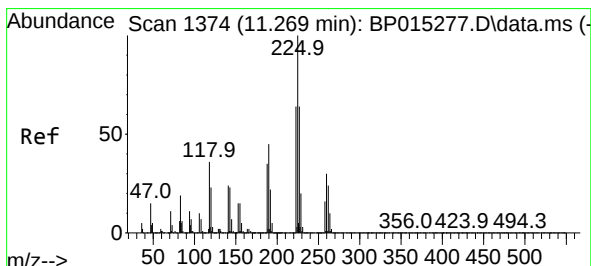
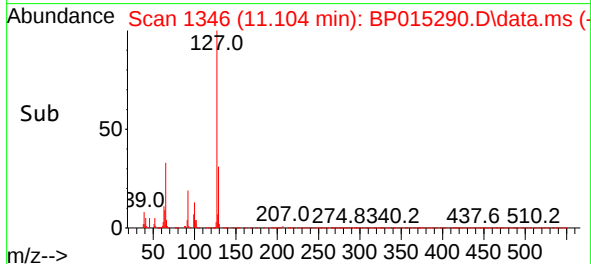
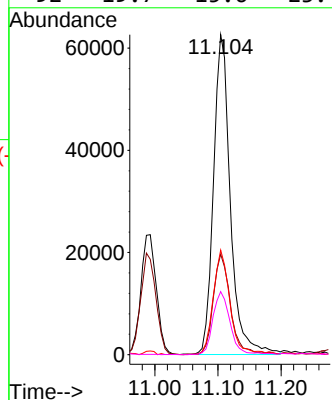
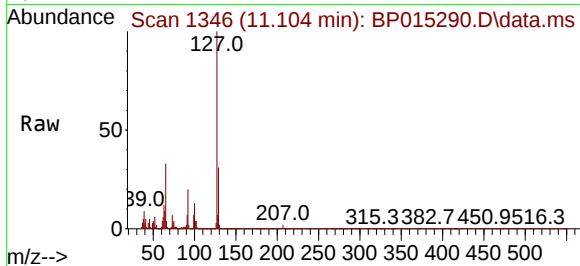




#33
4-Chloroaniline
Concen: 7.441 ng
RT: 11.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

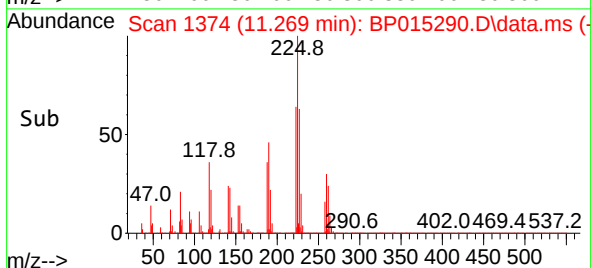
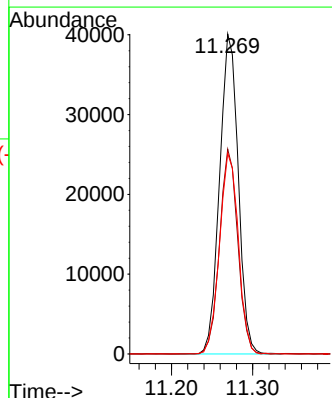
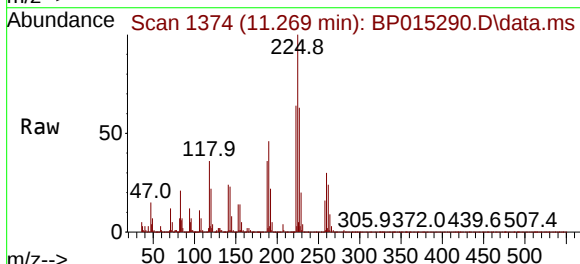
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

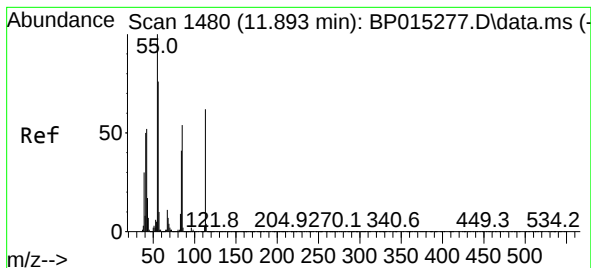
Tgt Ion:	127	Resp:	116383
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	32.7	25.3	37.9
92	19.7	15.6	23.4



#34
Hexachlorobutadiene
Concen: 8.099 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:	225	Resp:	63983
Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.4
227	62.7	51.4	77.2





#35

Caprolactam

Concen: 6.531 ng

RT: 11.875 min Scan# 1480

Delta R.T. -0.018 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

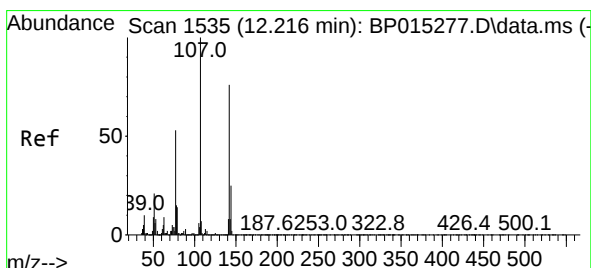
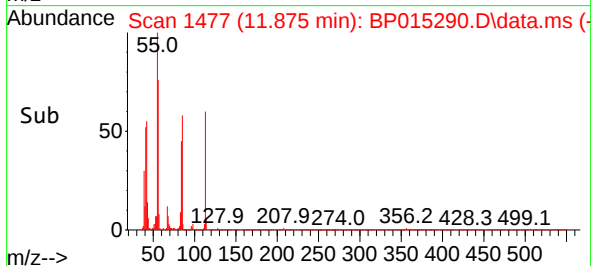
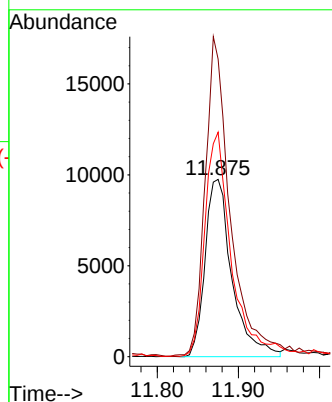
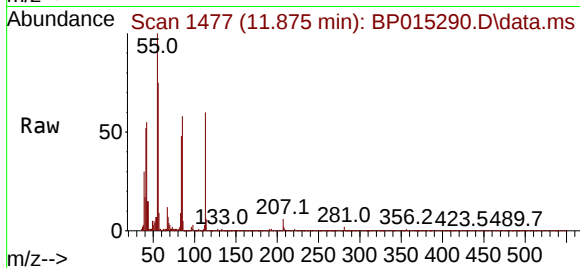
Tgt Ion:113 Resp: 22412

Ion Ratio Lower Upper

113 100

55 167.9 141.4 181.4

56 126.7 102.5 142.5



#36

4-Chloro-3-methylphenol

Concen: 7.406 ng

RT: 12.216 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

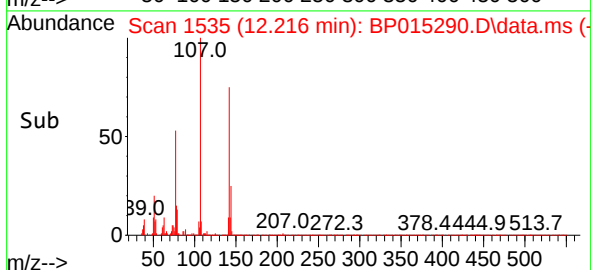
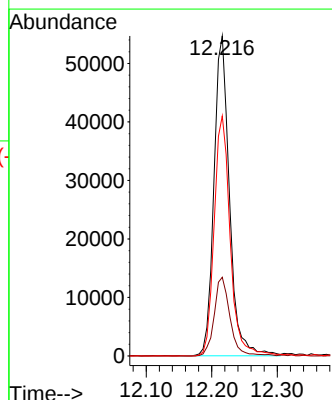
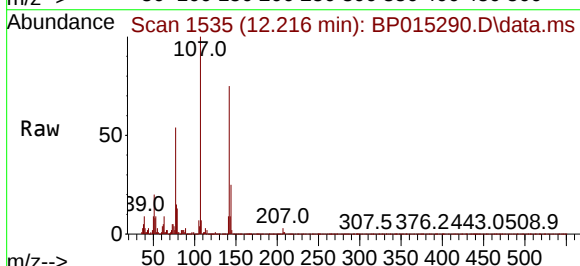
Tgt Ion:107 Resp: 90007

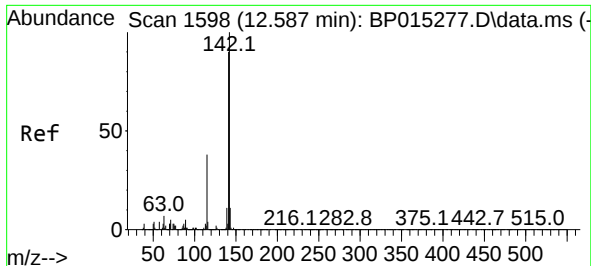
Ion Ratio Lower Upper

107 100

144 24.6 19.8 29.6

142 75.0 61.0 91.4

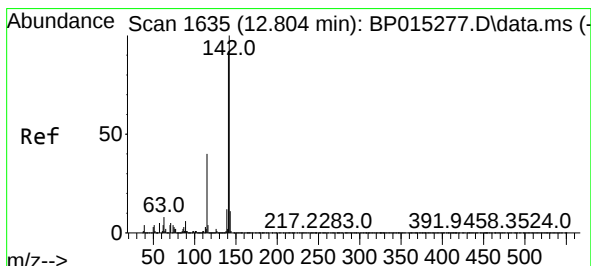
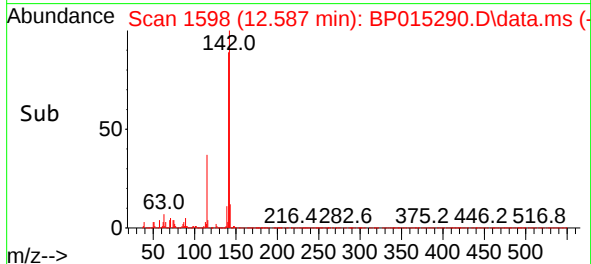
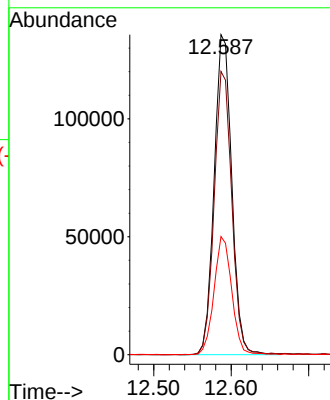
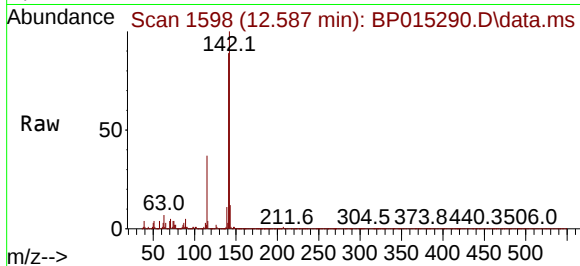




#37
2-Methylnaphthalene
Concen: 7.944 ng
RT: 12.587 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

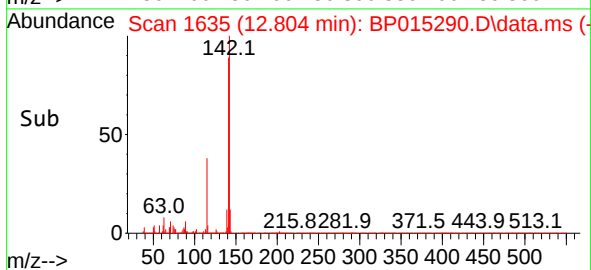
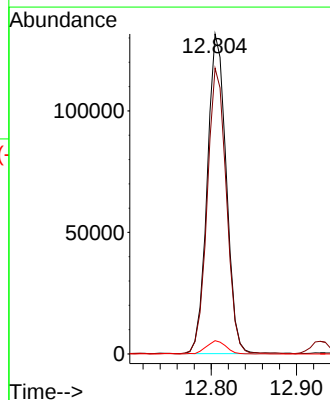
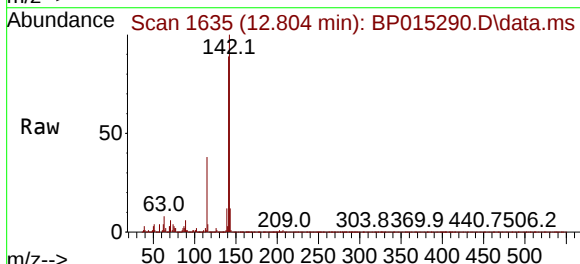
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

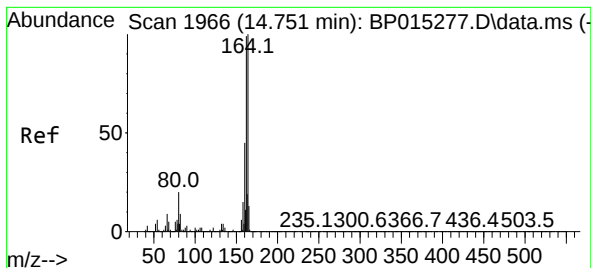
Tgt Ion:142 Resp: 213620
Ion Ratio Lower Upper
142 100
141 88.5 72.0 108.0
115 36.9 30.6 46.0



#38
1-Methylnaphthalene
Concen: 8.096 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:142 Resp: 203109
Ion Ratio Lower Upper
142 100
141 89.3 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: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

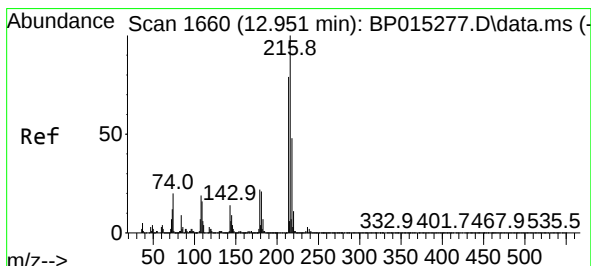
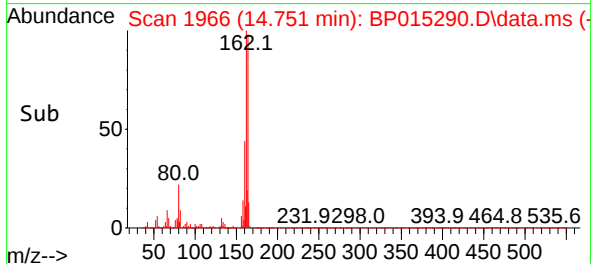
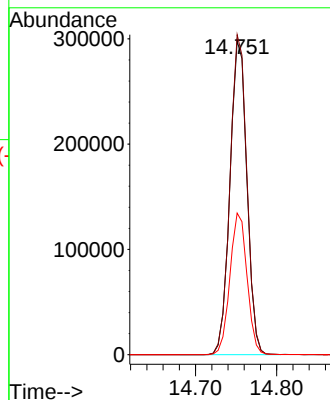
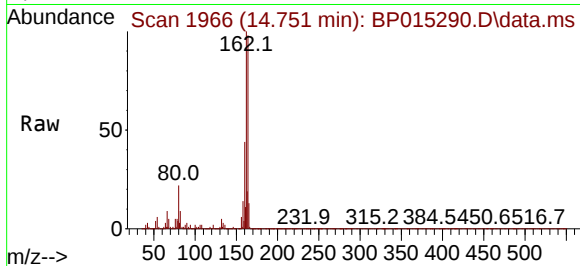
Tgt Ion:164 Resp: 431808

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.2

160 45.2 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.351 ng

RT: 12.951 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:216 Resp: 118316

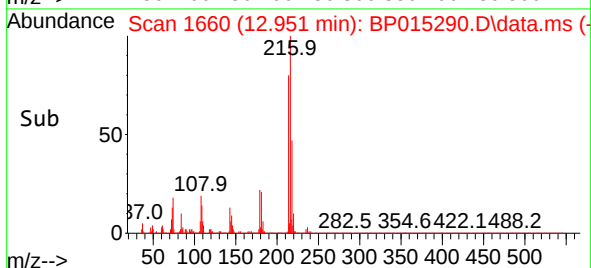
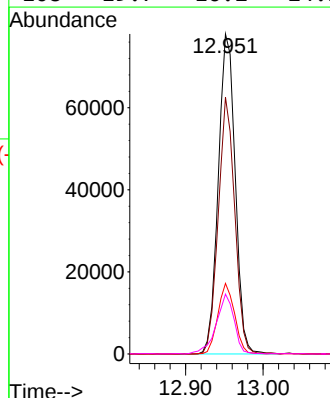
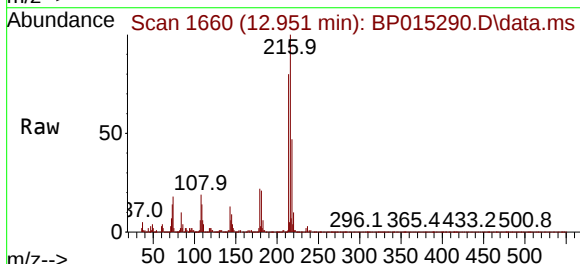
Ion Ratio Lower Upper

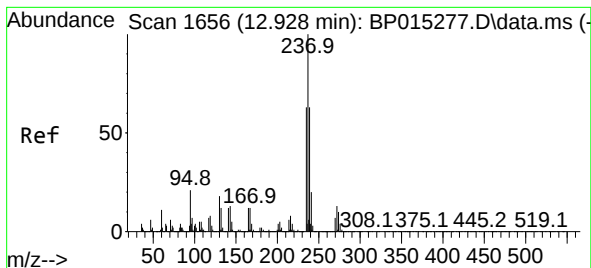
216 100

214 78.0 63.0 94.4

179 21.8 17.3 25.9

108 19.7 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 7.813 ng

RT: 12.928 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

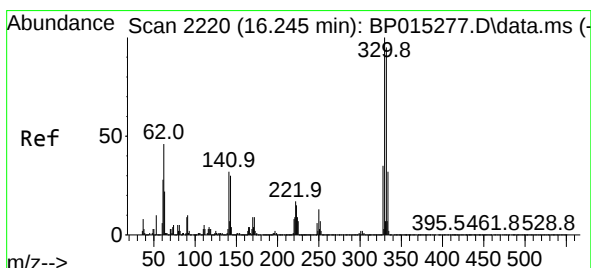
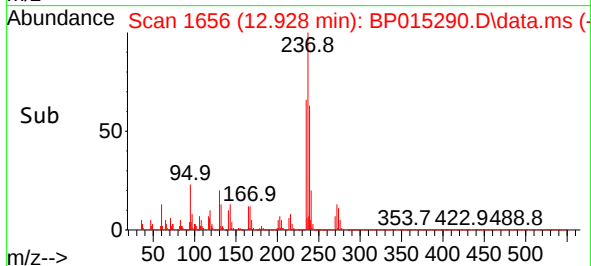
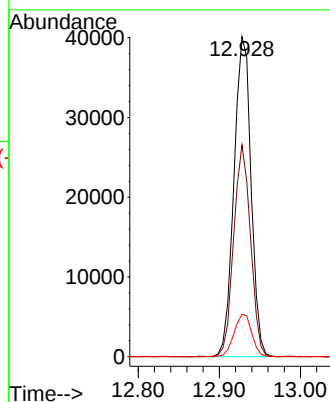
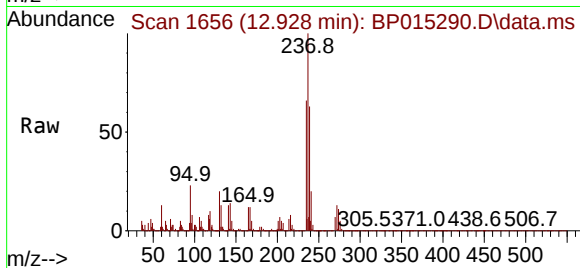
Tgt Ion:237 Resp: 58633

Ion Ratio Lower Upper

237 100

235 66.2 43.2 83.2

272 13.3 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 89.786 ng

RT: 16.245 min Scan# 2220

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

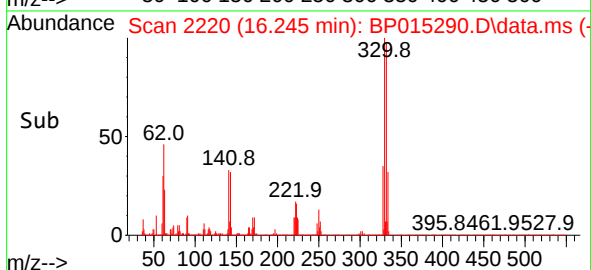
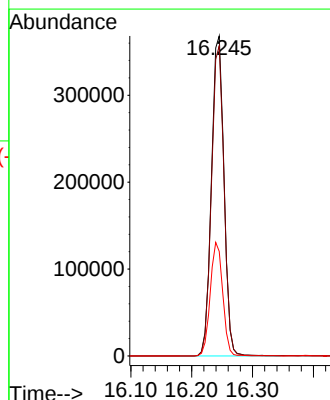
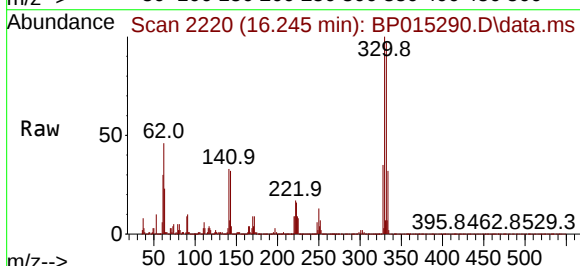
Tgt Ion:330 Resp: 526863

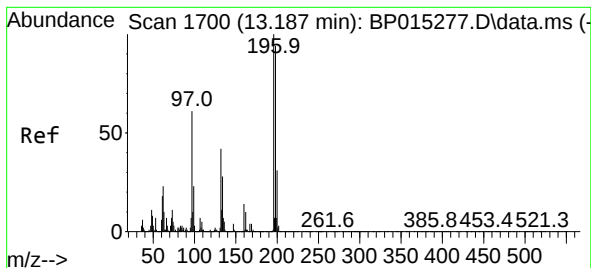
Ion Ratio Lower Upper

330 100

332 97.0 76.3 114.5

141 35.3 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 7.430 ng

RT: 13.193 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

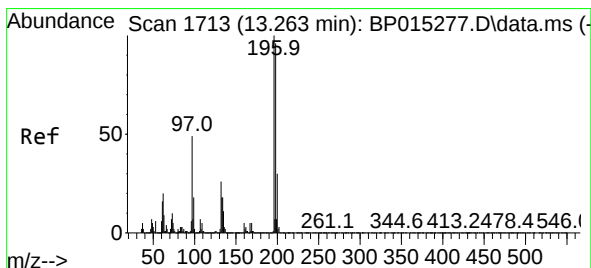
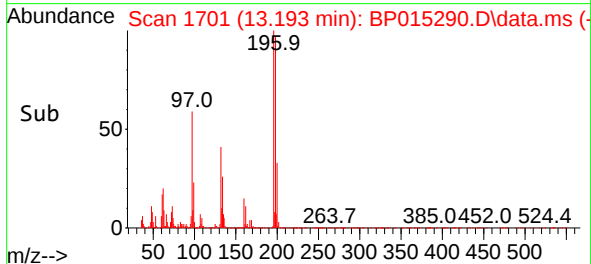
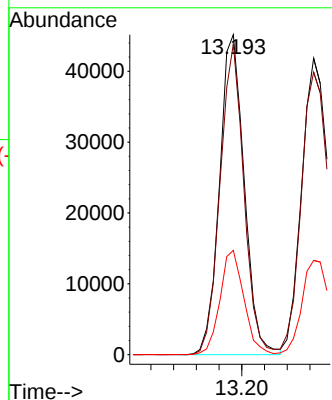
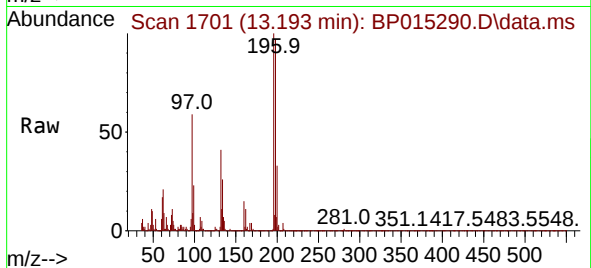
Tgt Ion:196 Resp: 68334

Ion Ratio Lower Upper

196 100

198 97.1 75.0 112.4

200 32.6 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 6.646 ng

RT: 13.263 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:196 Resp: 71850

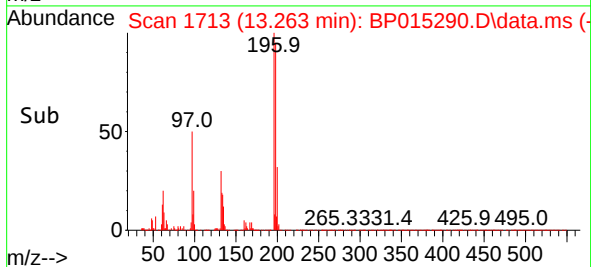
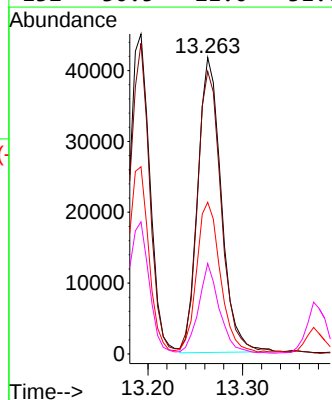
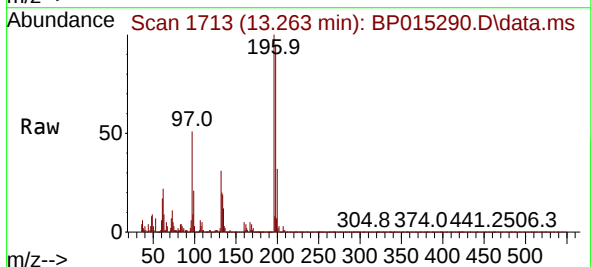
Ion Ratio Lower Upper

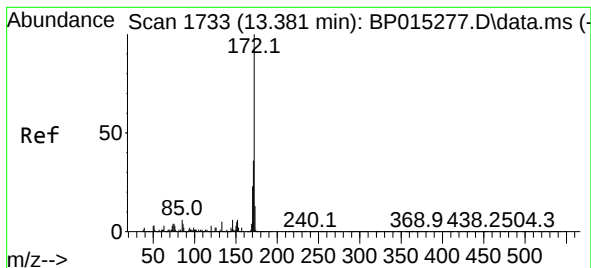
196 100

198 95.3 76.8 115.2

97 51.2 39.3 58.9

132 30.5 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 67.339 ng

RT: 13.381 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

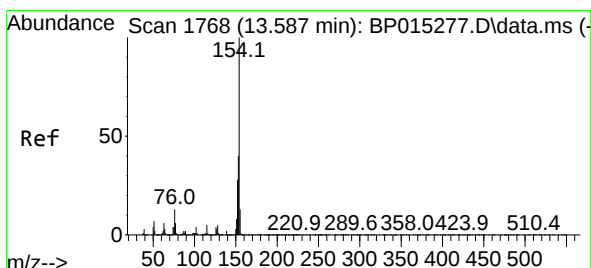
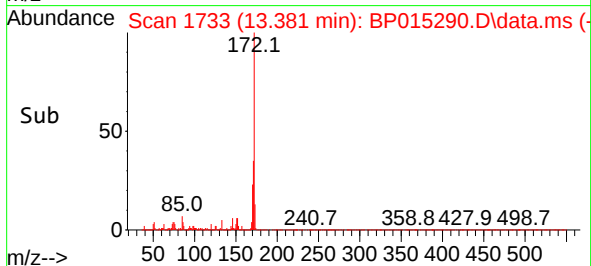
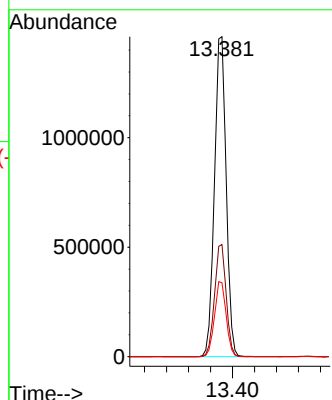
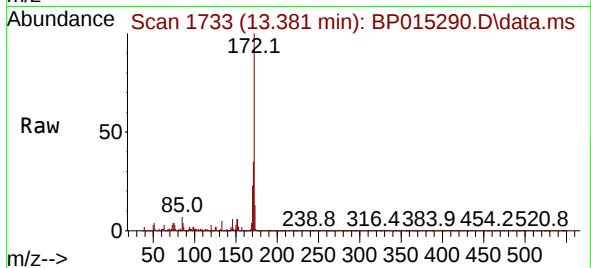
Tgt Ion:172 Resp: 2165849

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.1 18.7 28.1



#46

1,1'-Biphenyl

Concen: 8.383 ng

RT: 13.587 min Scan# 1768

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

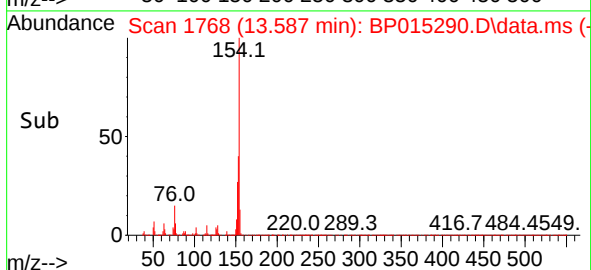
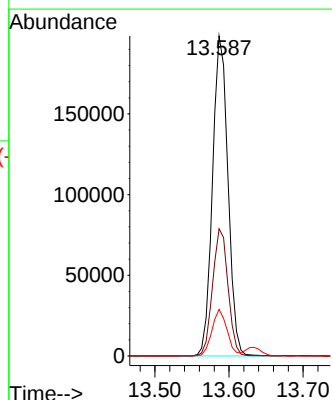
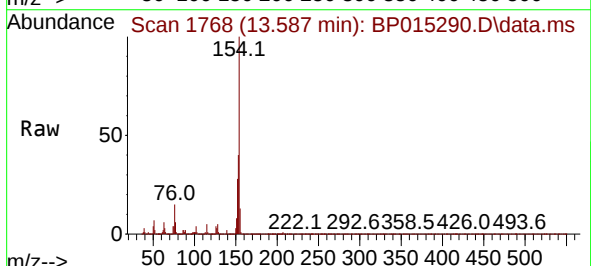
Tgt Ion:154 Resp: 286823

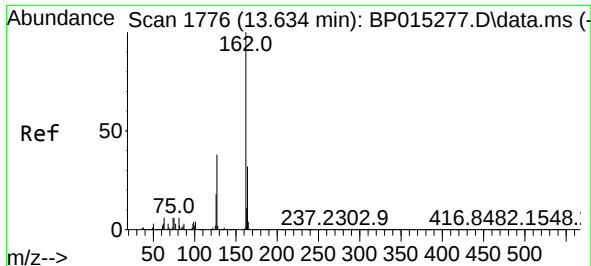
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 14.6 0.0 33.1

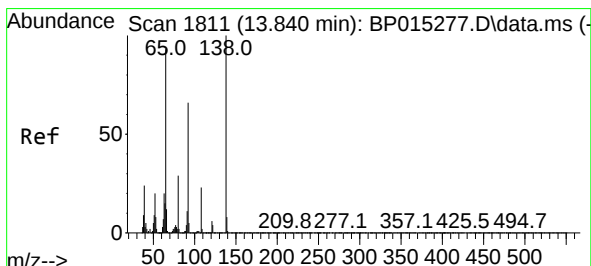
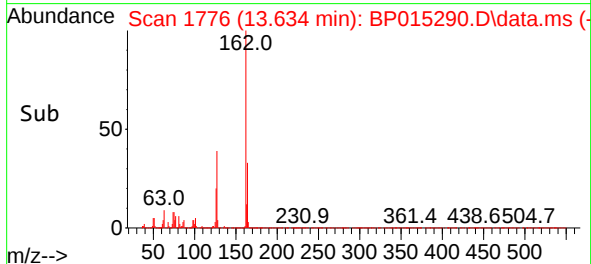
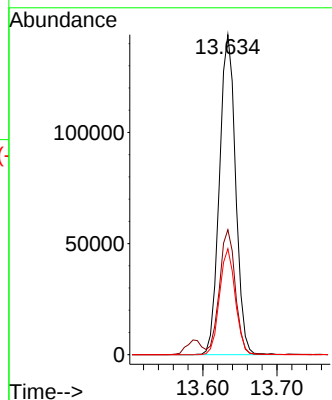
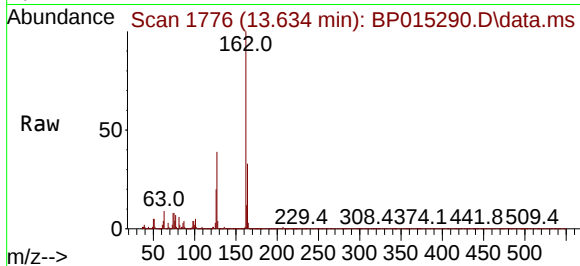




#47
2-Chloronaphthalene
Concen: 8.452 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

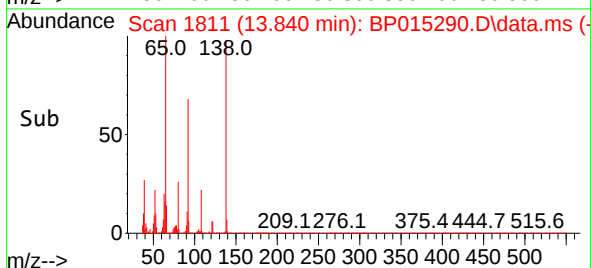
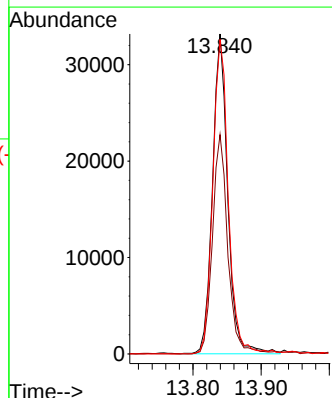
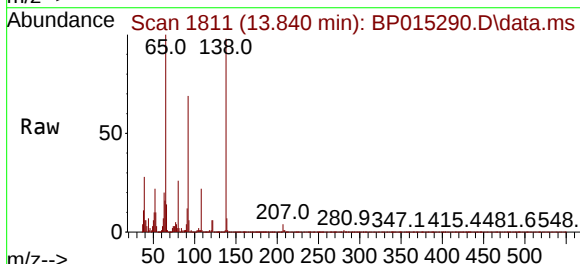
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

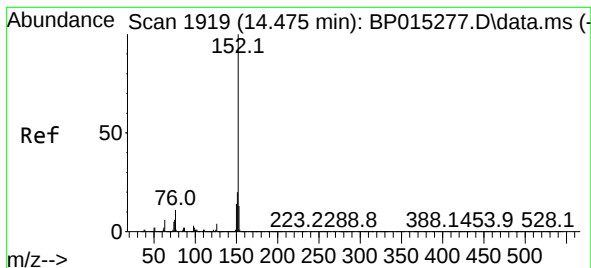
Tgt Ion:	162	Resp:	218142
Ion	Ratio	Lower	Upper
162	100		
127	39.1	31.7	47.5
164	33.1	25.8	38.8



#48
2-Nitroaniline
Concen: 6.547 ng
RT: 13.840 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:	65	Resp:	51621
Ion	Ratio	Lower	Upper
65	100		
92	68.5	56.5	84.7
138	98.3	85.7	128.5





#49

Acenaphthylene

Concen: 7.887 ng

RT: 14.475 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

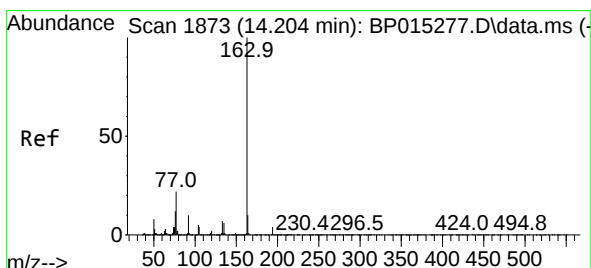
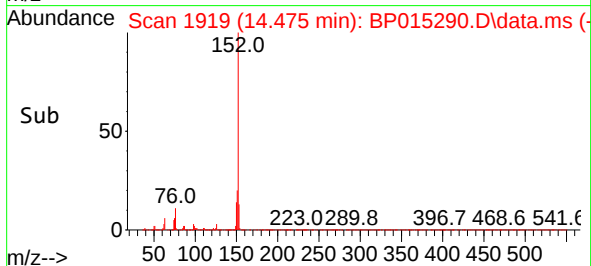
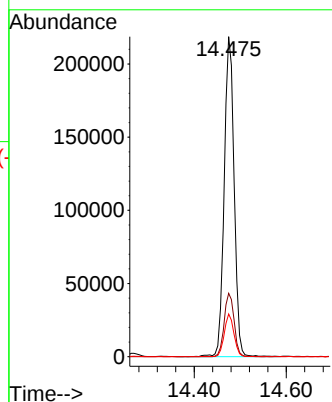
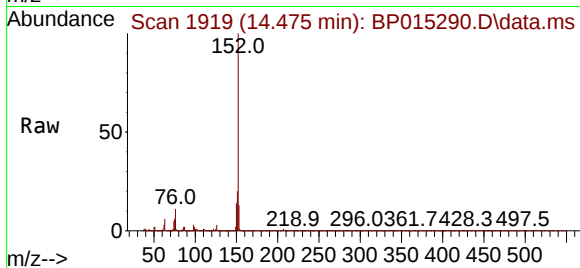
Tgt Ion:152 Resp: 325722

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 7.663 ng

RT: 14.204 min Scan# 1873

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

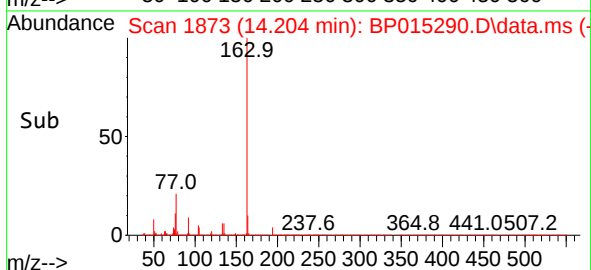
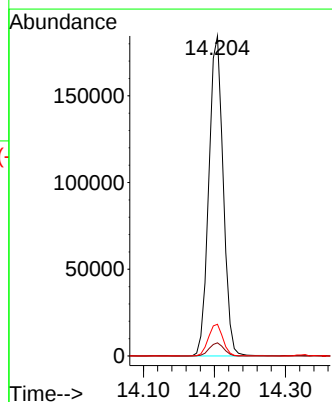
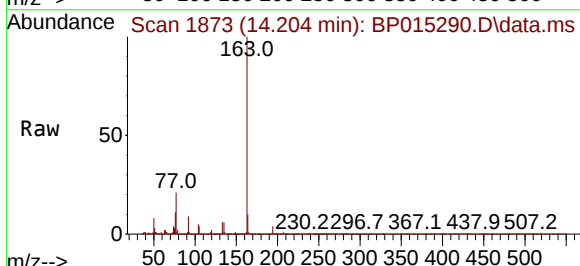
Tgt Ion:163 Resp: 258870

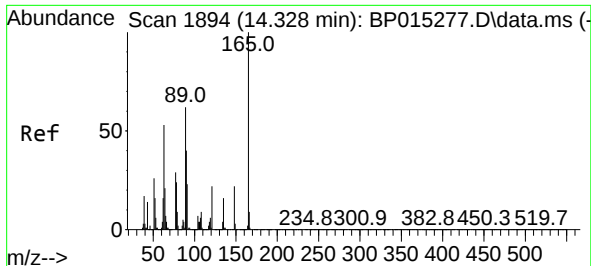
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 9.9 8.2 12.4

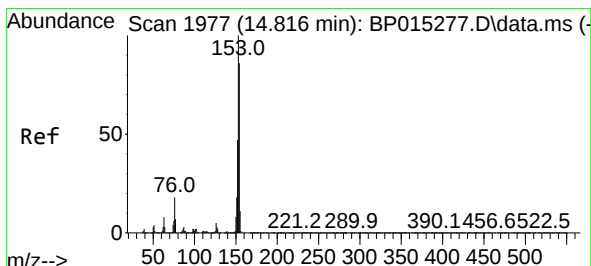
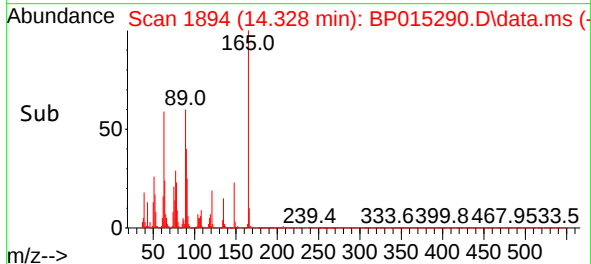
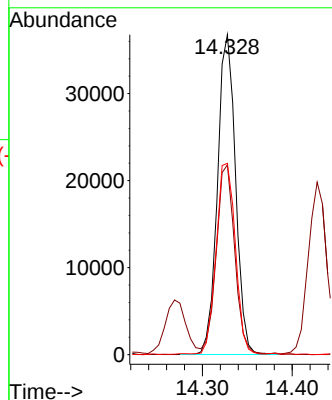
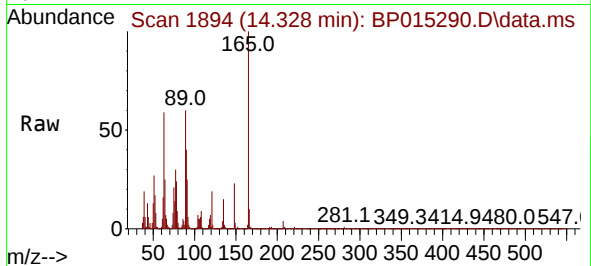




#51
2,6-Dinitrotoluene
Concen: 7.206 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

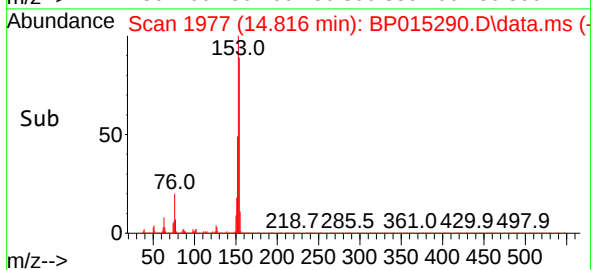
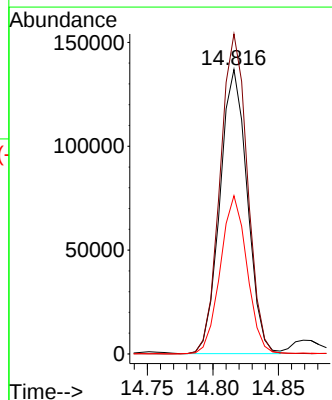
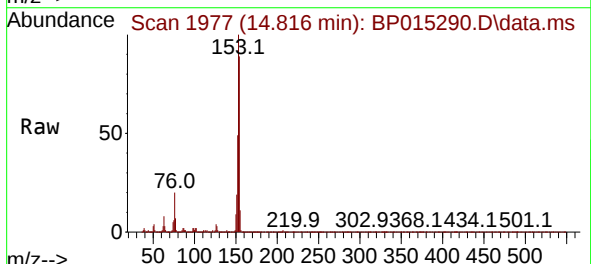
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

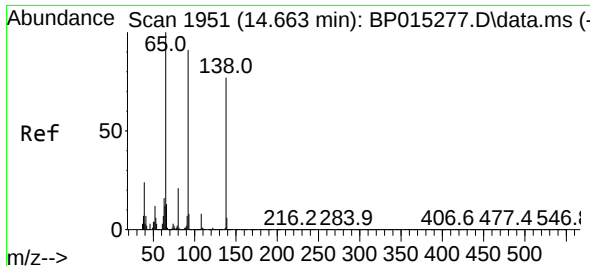
Tgt Ion:165 Resp: 51398
Ion Ratio Lower Upper
165 100
63 59.3 46.6 70.0
89 59.8 49.7 74.5



#52
Acenaphthene
Concen: 8.068 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:154 Resp: 198437
Ion Ratio Lower Upper
154 100
153 112.5 92.8 139.2
152 55.6 44.0 66.0

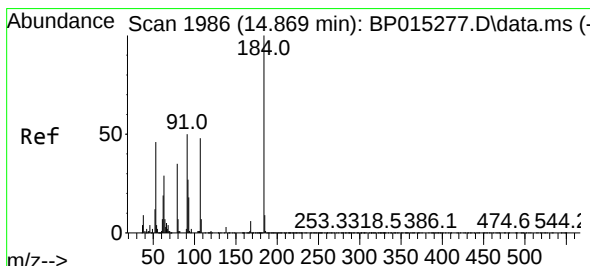
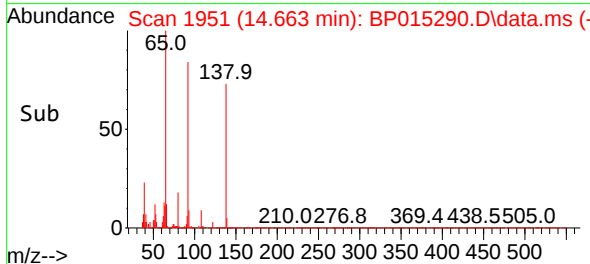
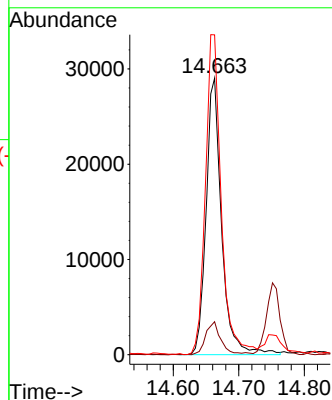
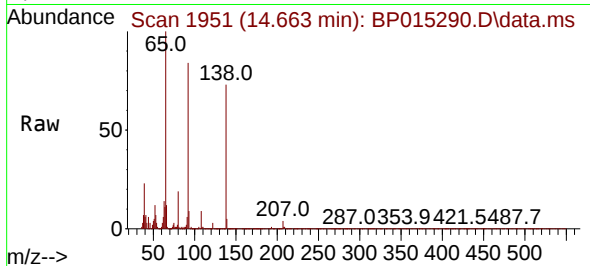




#53
3-Nitroaniline
Concen: 6.563 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

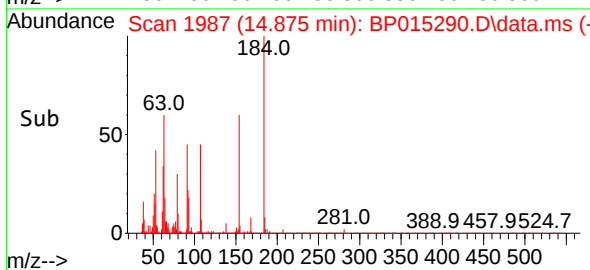
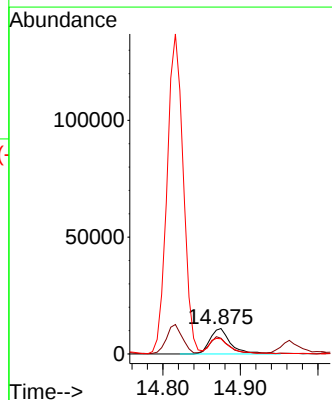
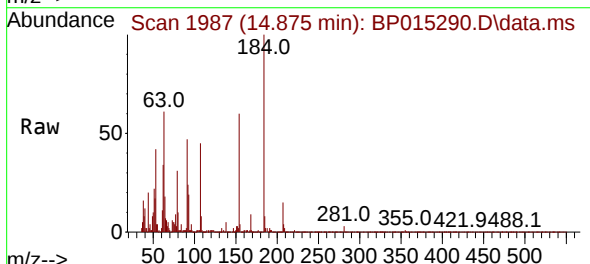
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

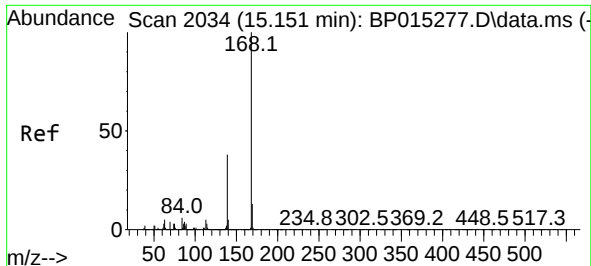
Tgt Ion:138 Resp: 47843
Ion Ratio Lower Upper
138 100
108 11.9 8.6 13.0
92 115.7 94.0 141.0



#54
2,4-Dinitrophenol
Concen: 9.113 ng
RT: 14.875 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:184 Resp: 20146
Ion Ratio Lower Upper
184 100
63 61.3 56.2 84.4
154 59.5 53.2 79.8

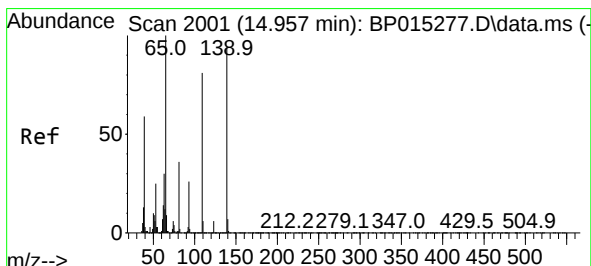
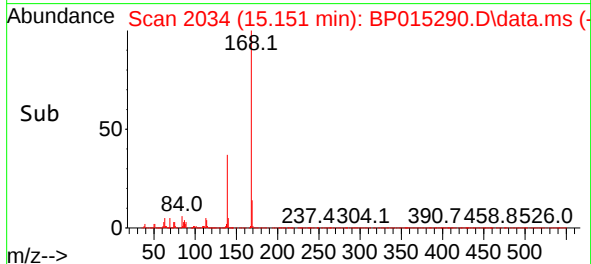
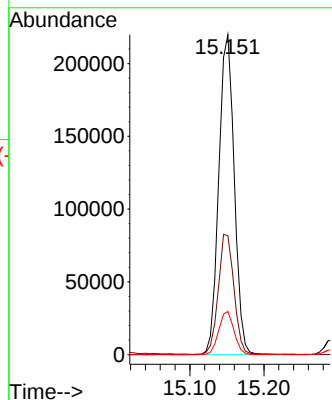
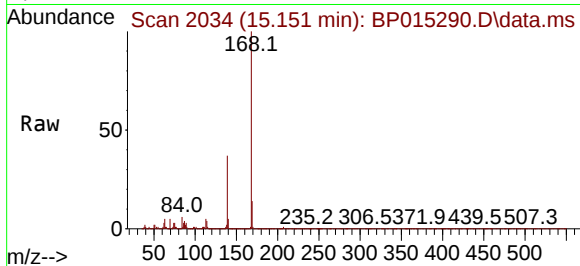




#55
Dibenzofuran
Concen: 7.930 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

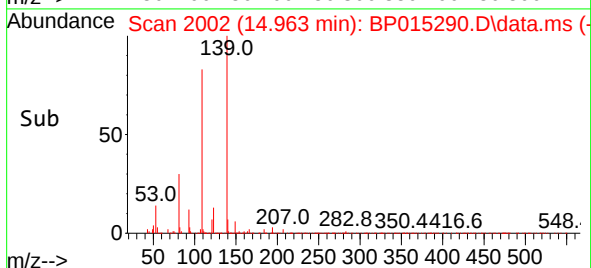
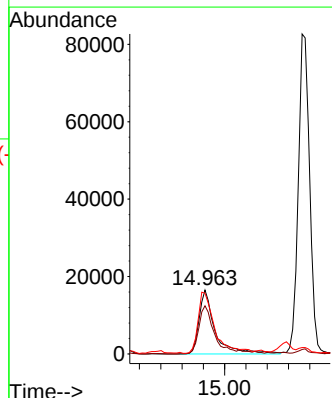
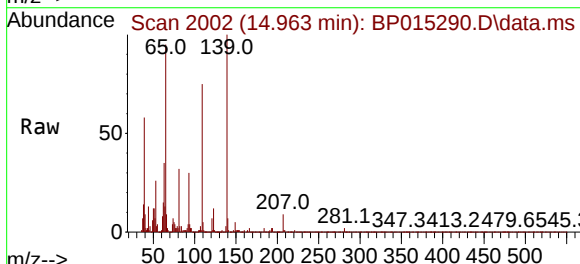
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

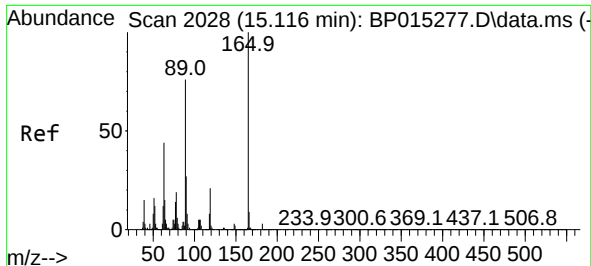
Tgt Ion:168 Resp: 319068
Ion Ratio Lower Upper
168 100
139 37.1 30.1 45.1
169 13.5 10.6 15.8



#56
4-Nitrophenol
Concen: 8.542 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:139 Resp: 34211
Ion Ratio Lower Upper
139 100
109 75.5 66.5 106.5
65 95.2 86.6 126.6

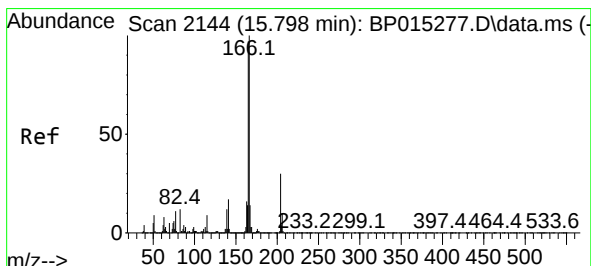
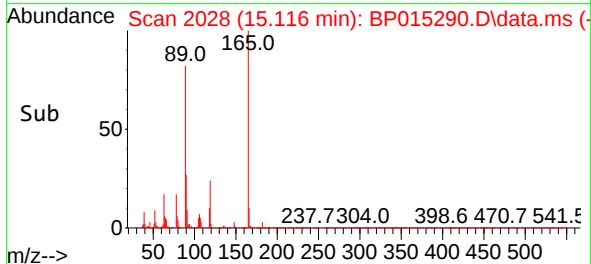
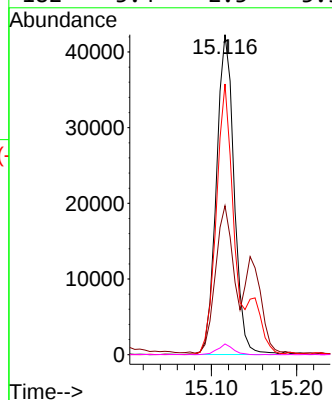
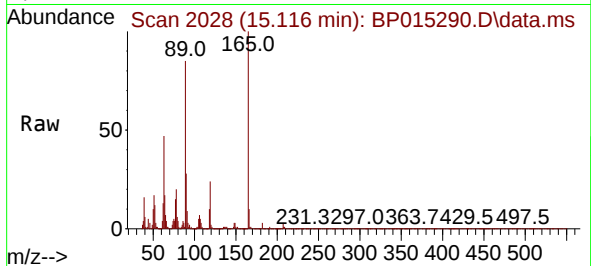




#57
2,4-Dinitrotoluene
Concen: 6.527 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

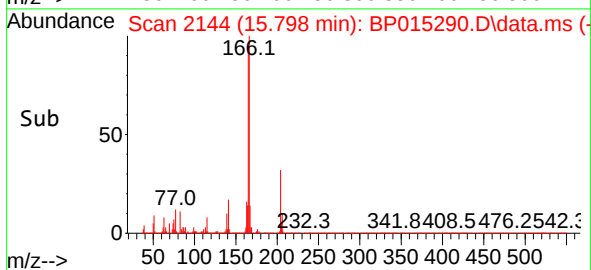
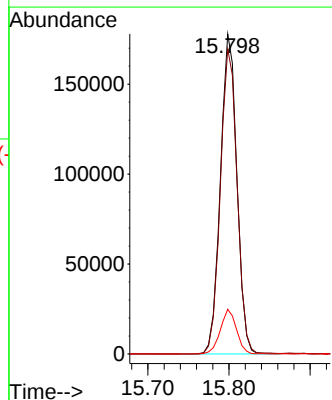
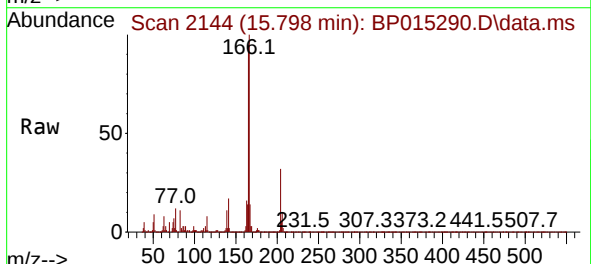
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

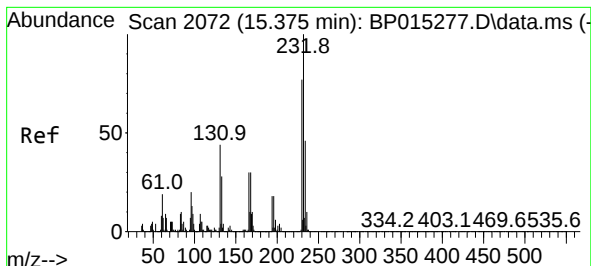
Tgt Ion:165 Resp: 61216
Ion Ratio Lower Upper
165 100
63 46.5 35.7 53.5
89 84.6 60.8 91.2
182 3.4 2.3 3.5



#58
Fluorene
Concen: 8.091 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:166 Resp: 251447
Ion Ratio Lower Upper
166 100
165 95.3 77.5 116.3
167 14.0 10.9 16.3

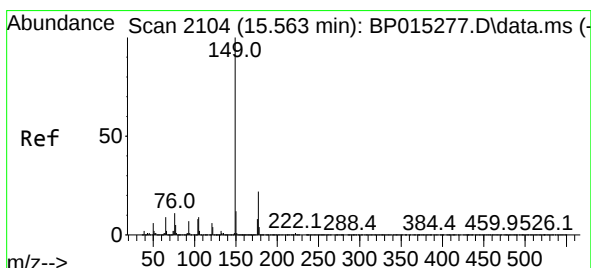
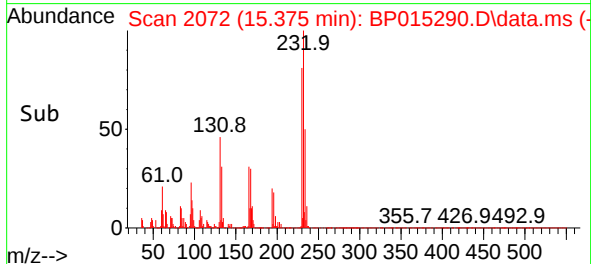
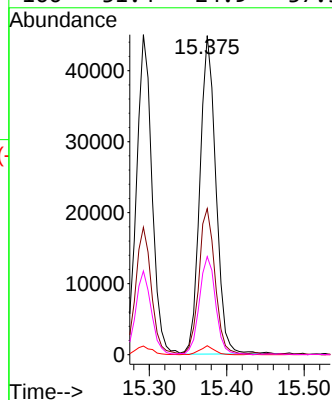
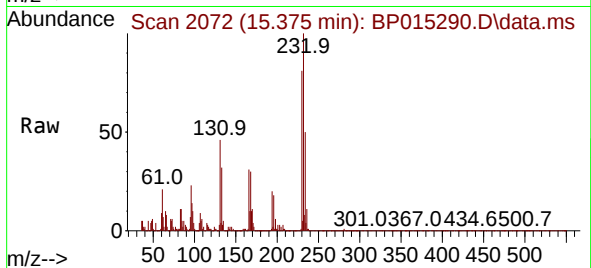




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.436 ng
RT: 15.375 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

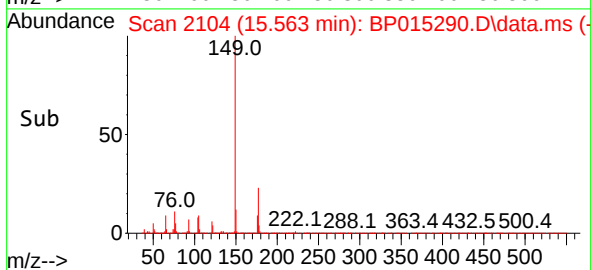
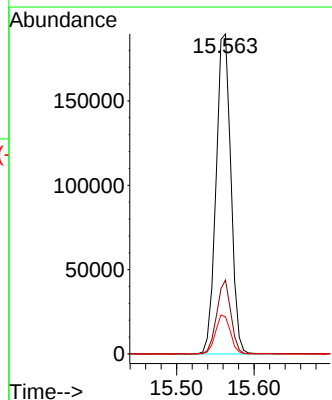
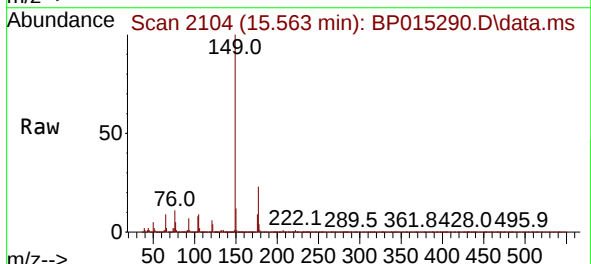
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

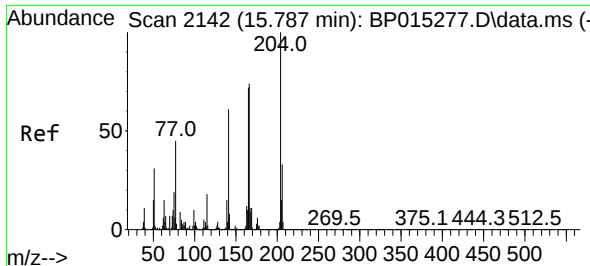
Tgt Ion:	232	Resp:	64297
Ion Ratio	Lower	Upper	
232	100		
131	45.4	36.2	54.2
130	2.5	2.0	3.0
166	31.4	24.9	37.3



#60
Diethylphthalate
Concen: 7.482 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:	149	Resp:	251794
Ion Ratio	Lower	Upper	
149	100		
177	23.1	17.7	26.5
150	11.6	10.0	15.0

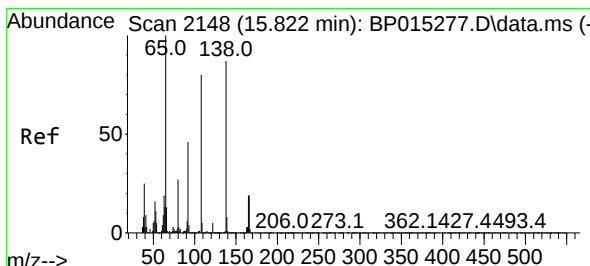
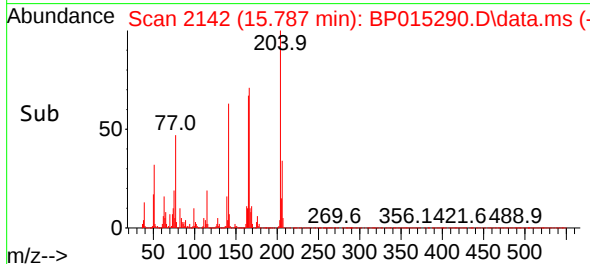
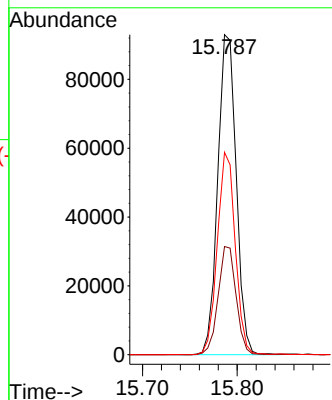
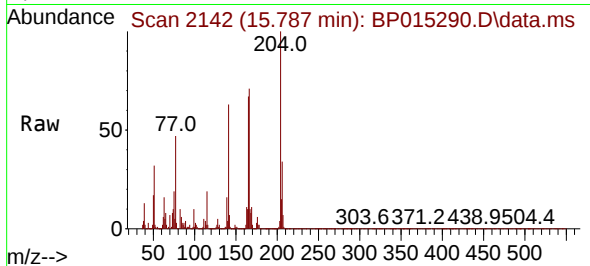




#61
4-Chlorophenyl-phenylether
Concen: 7.923 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

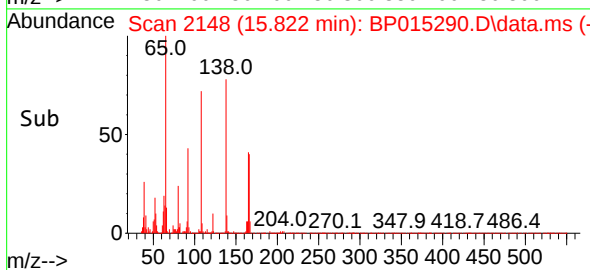
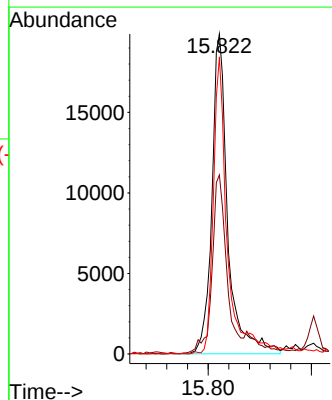
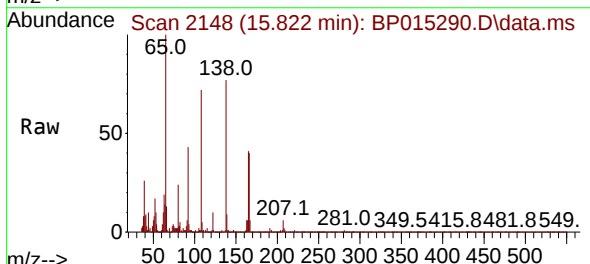
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

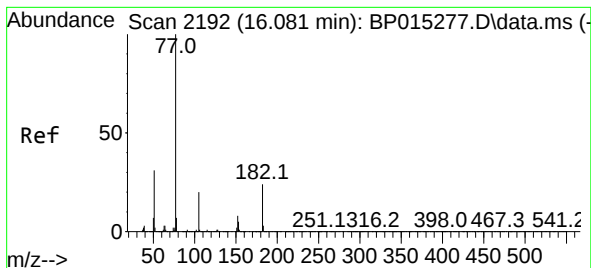
Tgt Ion:204 Resp: 126073
Ion Ratio Lower Upper
204 100
206 33.8 26.4 39.6
141 63.3 49.0 73.4



#62
4-Nitroaniline
Concen: 7.472 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:138 Resp: 42546
Ion Ratio Lower Upper
138 100
92 55.9 33.1 73.1
108 92.9 71.0 111.0





#63

Azobenzene

Concen: 7.540 ng

RT: 16.081 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 77 Resp: 242067

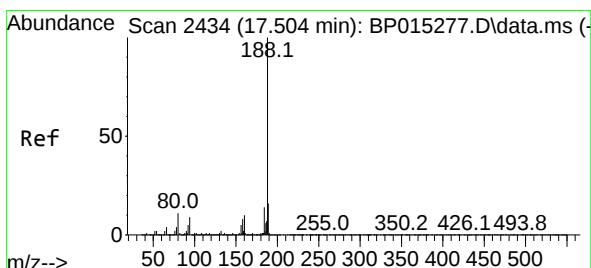
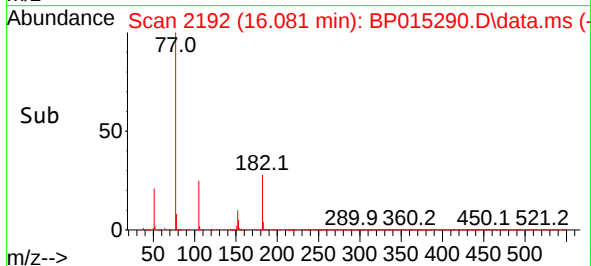
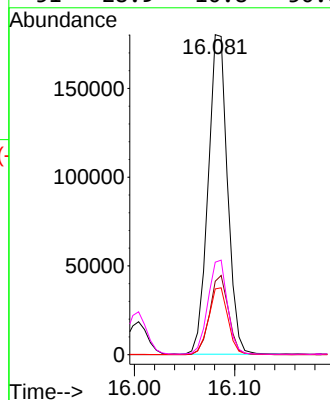
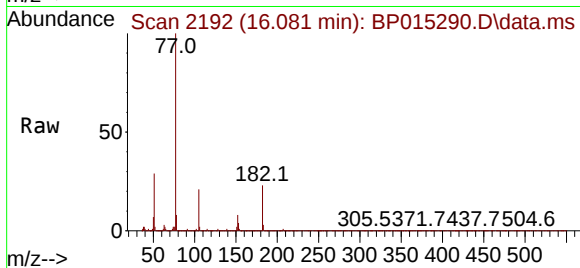
Ion Ratio Lower Upper

77 100

182 22.9 3.9 43.9

105 20.5 0.3 40.3

51 28.9 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: BP015290.D

Acq: 25 May 2023 14:03

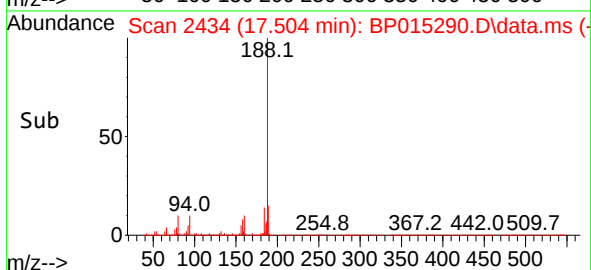
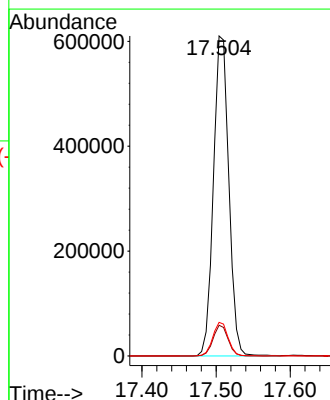
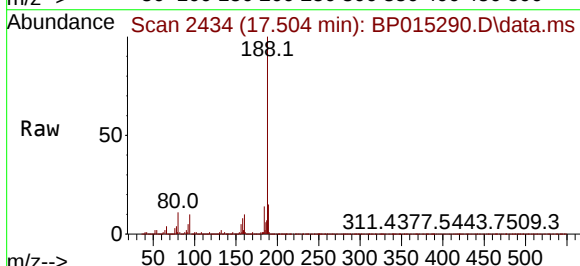
Tgt Ion: 188 Resp: 878131

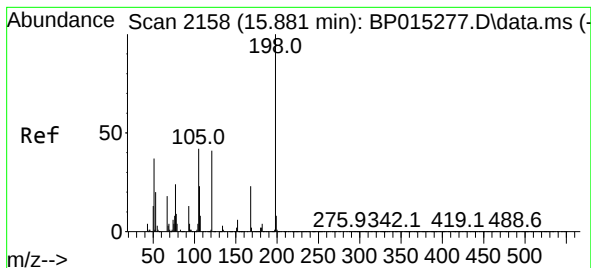
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.0

80 10.5 8.6 13.0

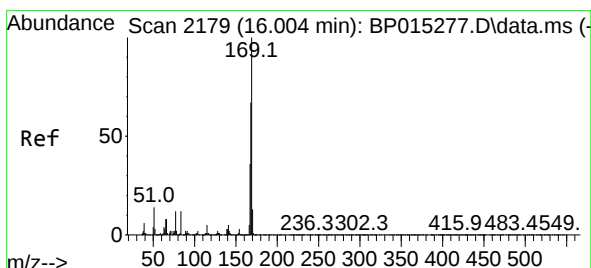
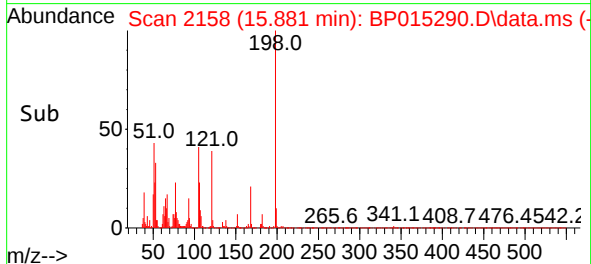
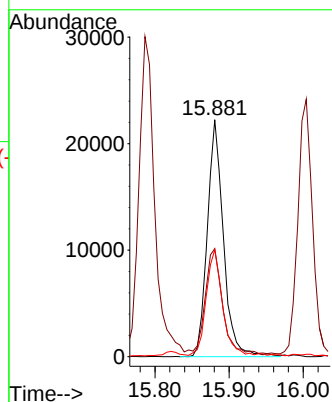
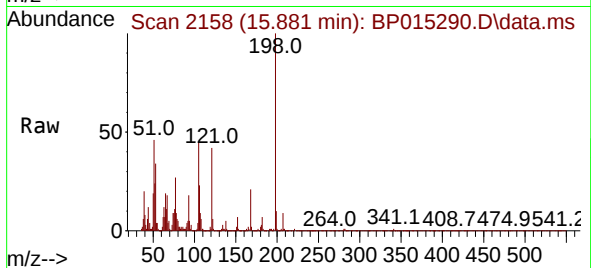




#65
4,6-Dinitro-2-methylphenol
Concen: 6.294 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

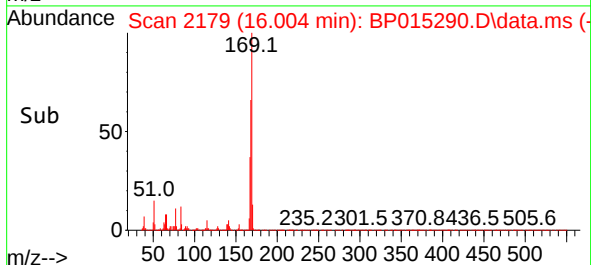
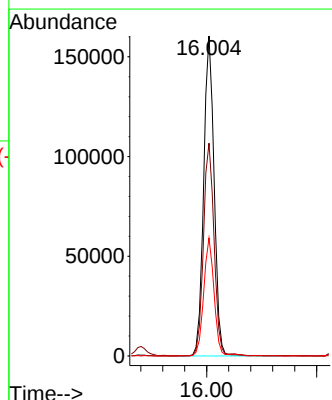
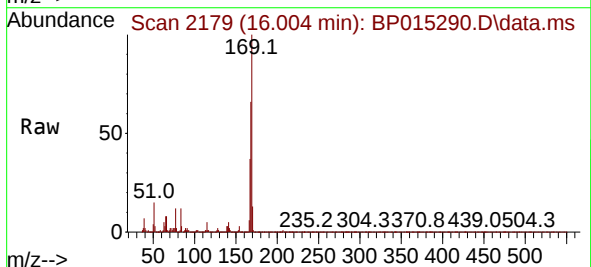
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

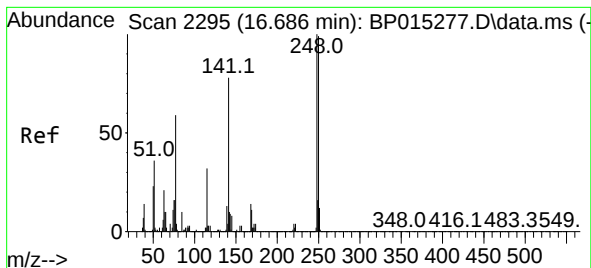
Tgt Ion:198 Resp: 33569
Ion Ratio Lower Upper
198 100
51 45.6 25.4 65.4
105 45.1 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 8.092 ng
RT: 16.004 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:169 Resp: 211737
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.2
167 36.9 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 7.833 ng

RT: 16.686 min Scan# 2295

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

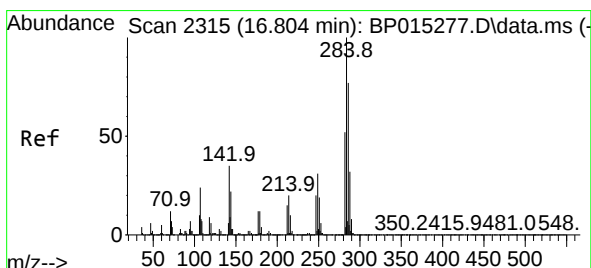
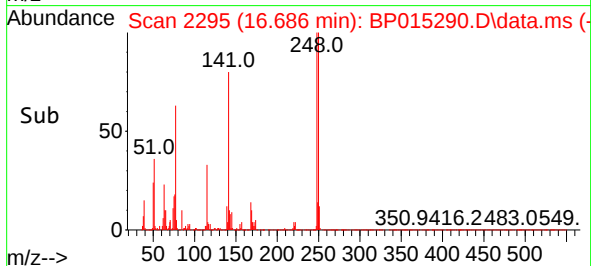
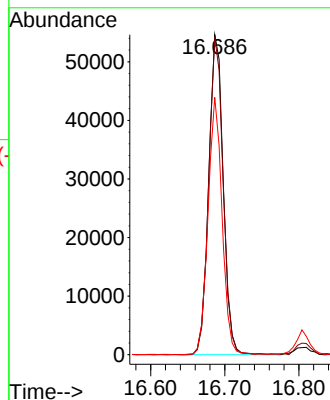
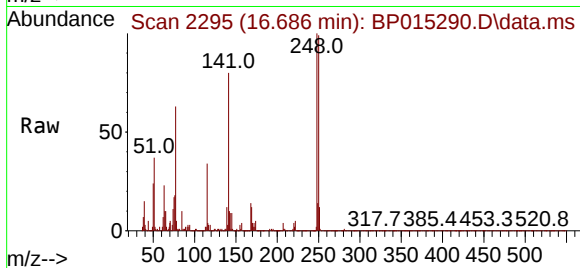
Tgt Ion:248 Resp: 74373

Ion Ratio Lower Upper

248 100

250 99.3 79.0 118.4

141 80.4 62.4 93.6



#68

Hexachlorobenzene

Concen: 8.443 ng

RT: 16.804 min Scan# 2315

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

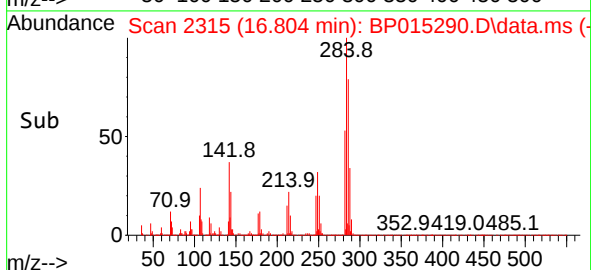
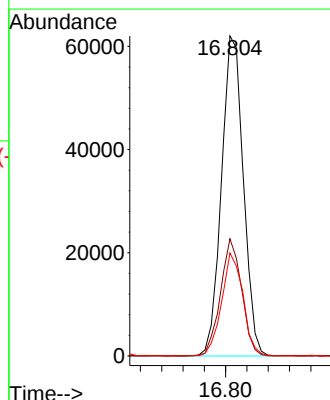
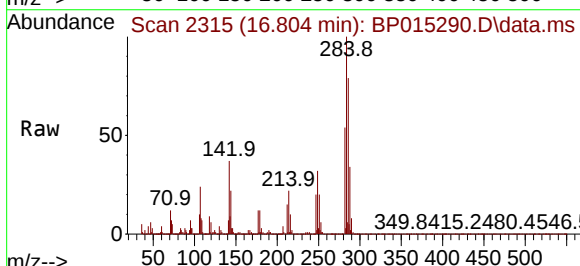
Tgt Ion:284 Resp: 88285

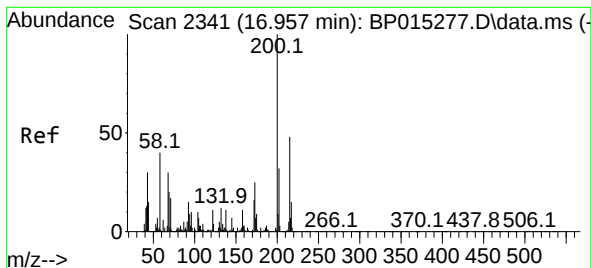
Ion Ratio Lower Upper

284 100

142 36.6 28.2 42.2

249 32.2 25.0 37.6





#69

Atrazine

Concen: 8.322 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

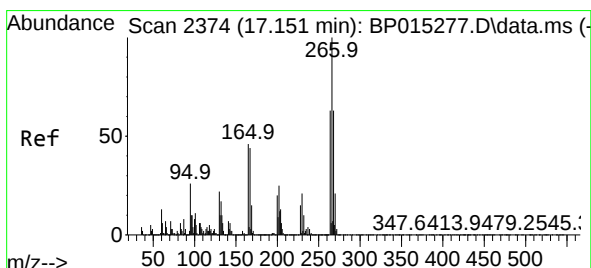
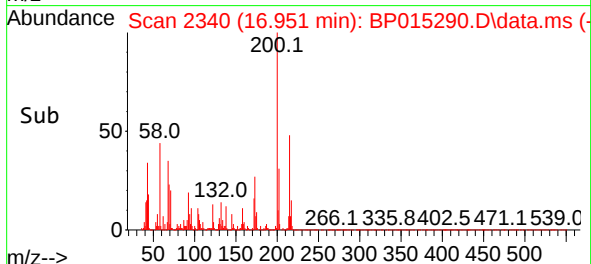
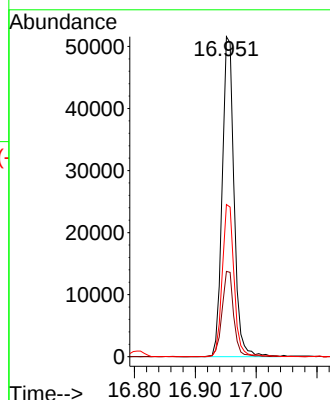
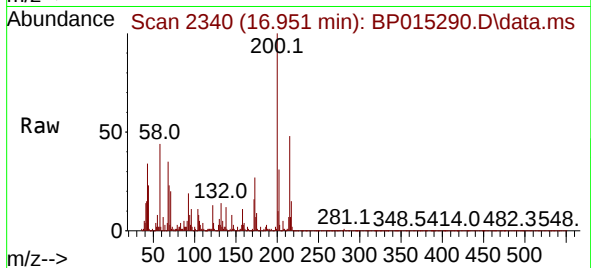
Tgt Ion:200 Resp: 69529

Ion Ratio Lower Upper

200 100

173 26.7 4.7 44.7

215 47.5 27.5 67.5



#70

Pentachlorophenol

Concen: 6.308 ng

RT: 17.151 min Scan# 2374

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

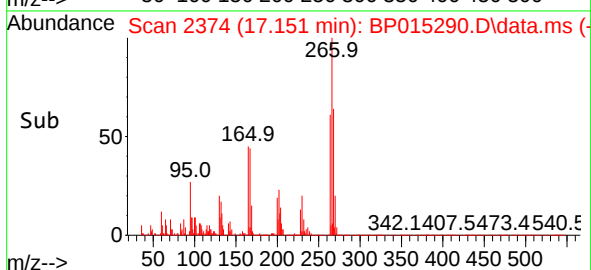
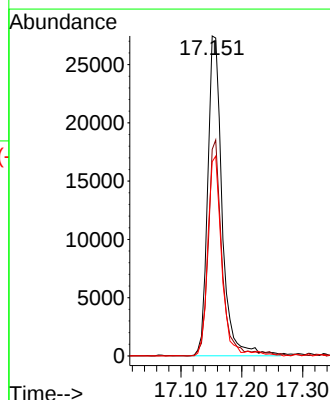
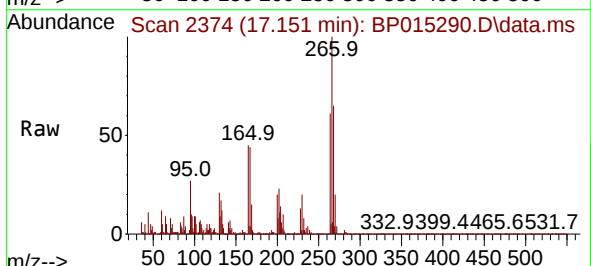
Tgt Ion:266 Resp: 45201

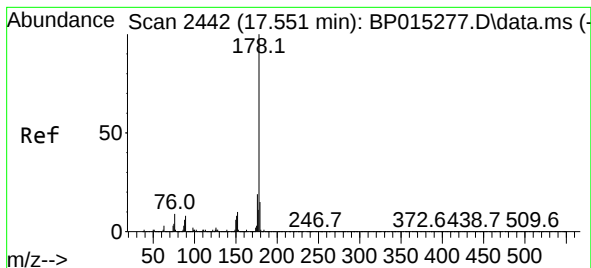
Ion Ratio Lower Upper

266 100

268 64.6 50.0 75.0

264 60.7 50.4 75.6





#71

Phenanthrene

Concen: 8.084 ng

RT: 17.551 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

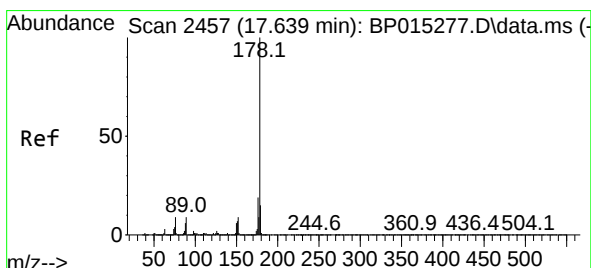
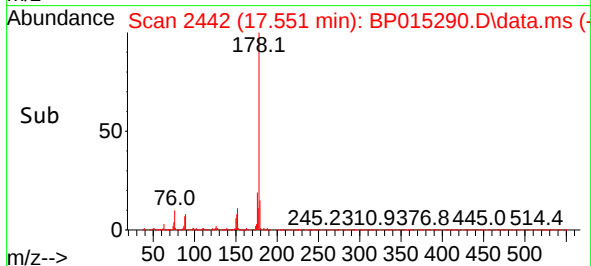
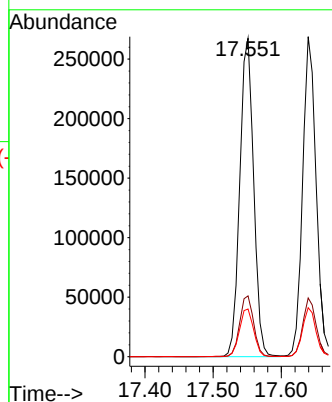
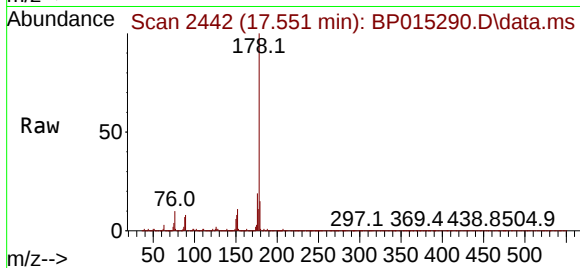
Tgt Ion:178 Resp: 378326

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.0 12.3 18.5



#72

Anthracene

Concen: 7.987 ng

RT: 17.639 min Scan# 2457

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

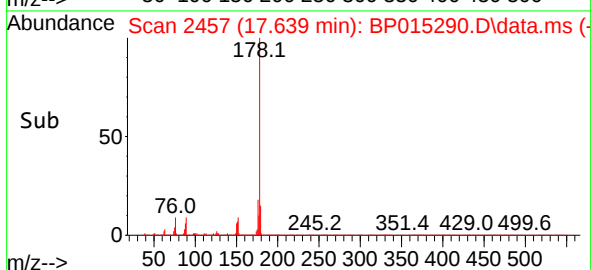
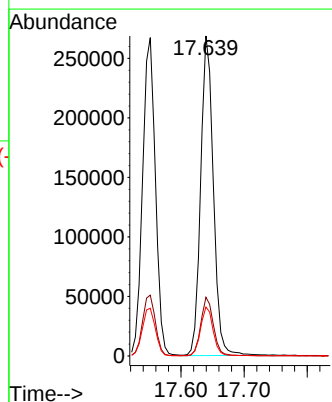
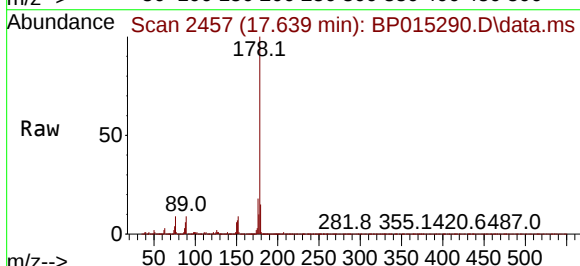
Tgt Ion:178 Resp: 374384

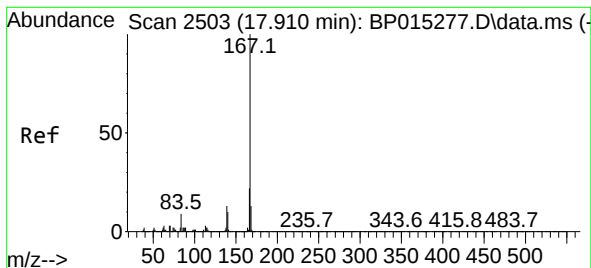
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 15.3 12.2 18.4





#73

Carbazole

Concen: 7.716 ng

RT: 17.910 min Scan# 2503

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

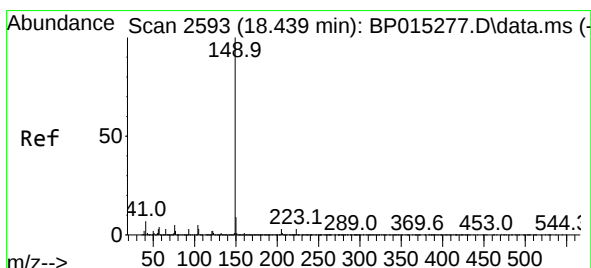
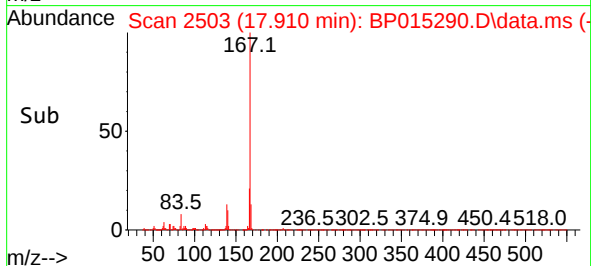
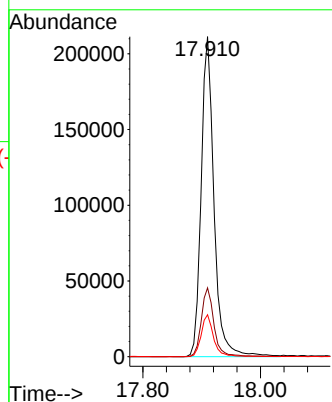
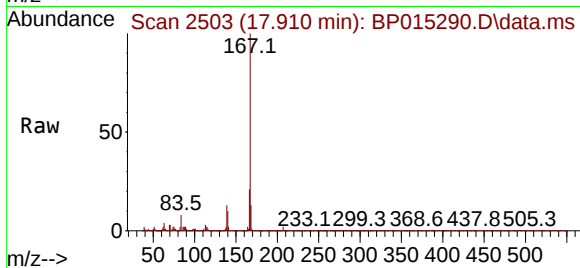
Tgt Ion:167 Resp: 320275

Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.0

139 13.1 10.2 15.2



#74

Di-n-butylphthalate

Concen: 7.135 ng

RT: 18.439 min Scan# 2593

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

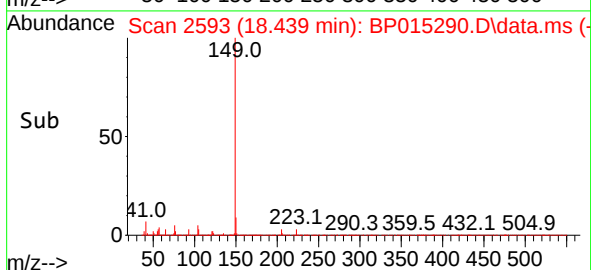
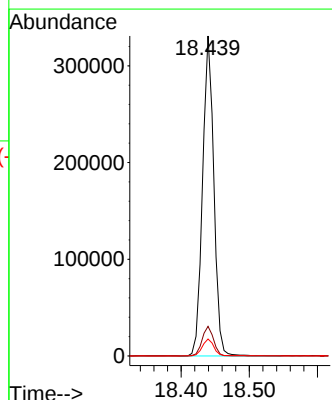
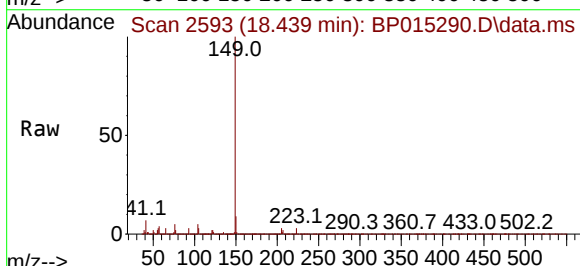
Tgt Ion:149 Resp: 380336

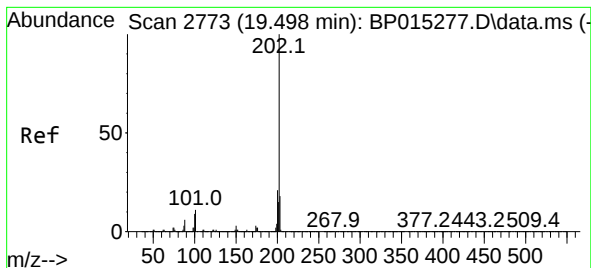
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 7.594 ng

RT: 19.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

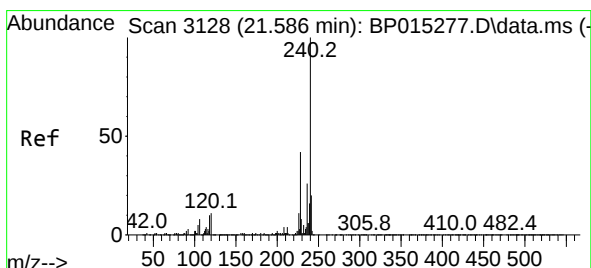
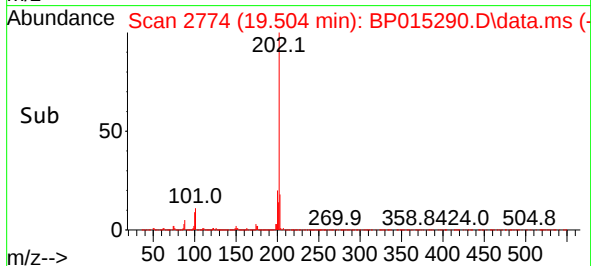
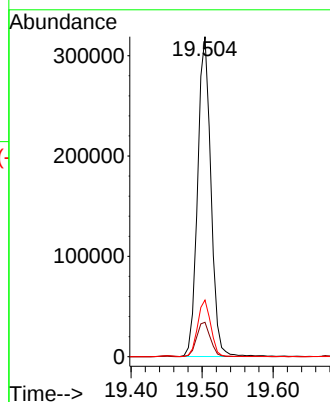
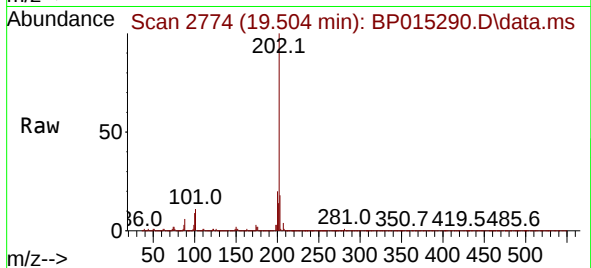
Tgt Ion:202 Resp: 415214

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

203 17.7 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: BP015290.D

Acq: 25 May 2023 14:03

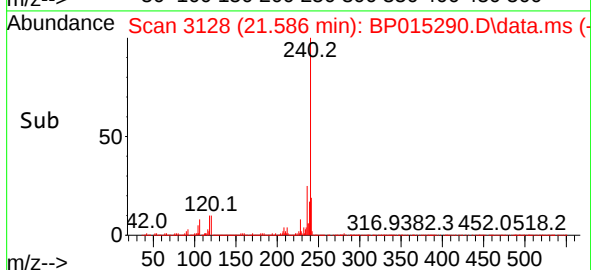
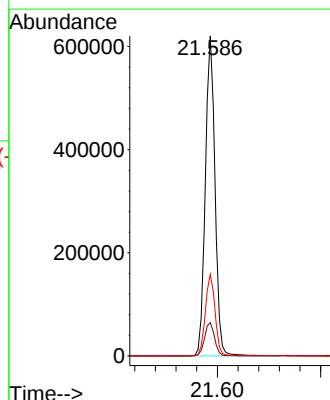
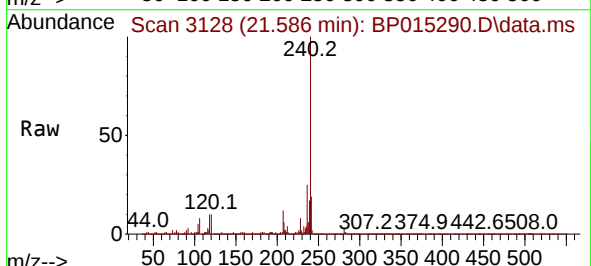
Tgt Ion:240 Resp: 806963

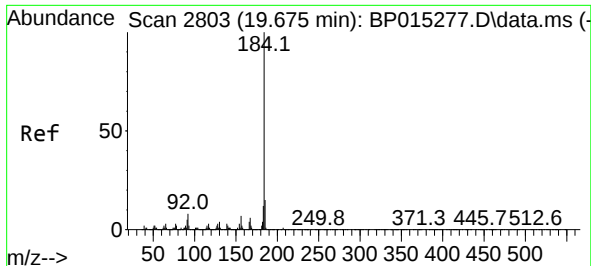
Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 25.5 20.5 30.7

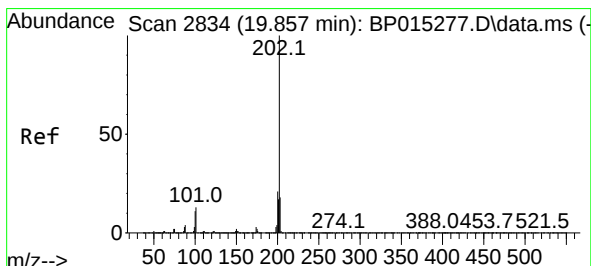
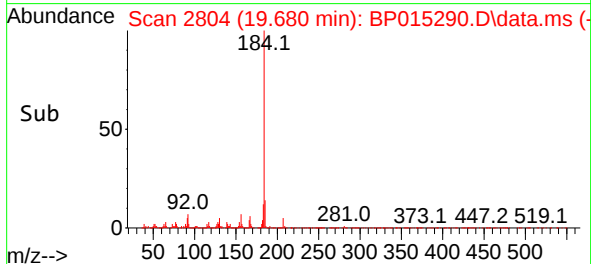
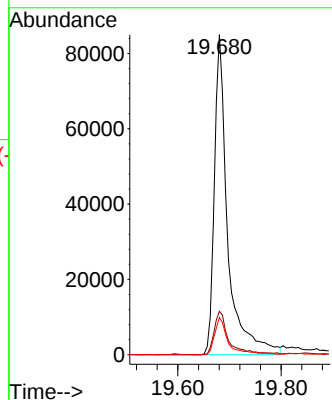
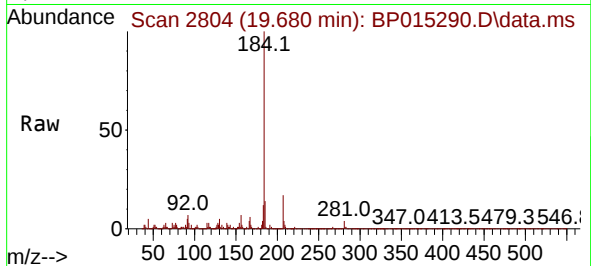




#77
Benzidine
Concen: 11.951 ng
RT: 19.680 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

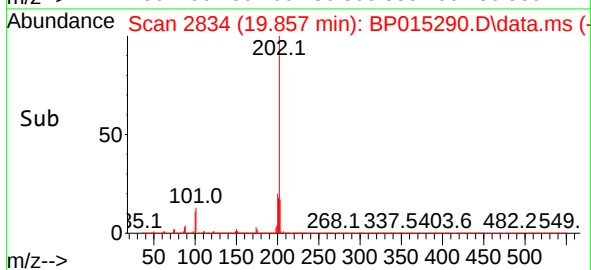
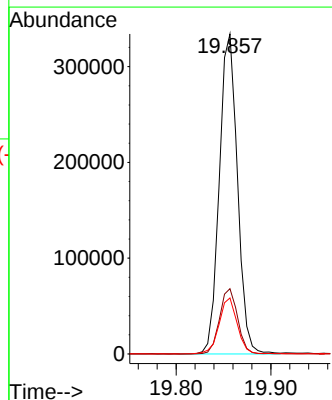
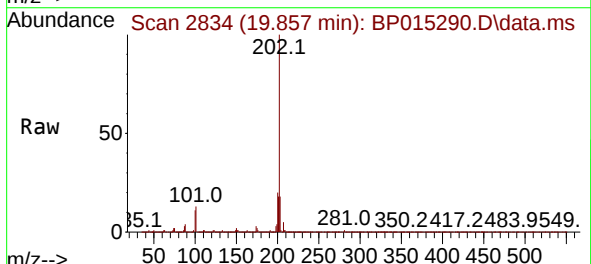
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

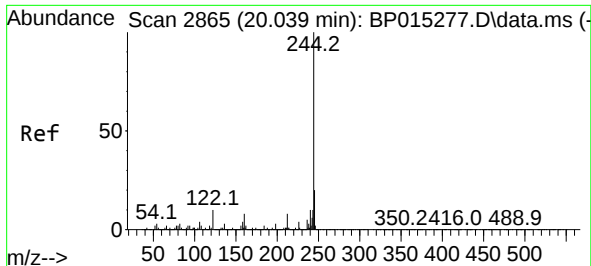
Tgt Ion:184 Resp: 152716
Ion Ratio Lower Upper
184 100
185 13.5 11.6 17.4
183 11.6 9.4 14.0



#78
Pyrene
Concen: 7.707 ng
RT: 19.857 min Scan# 2834
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:202 Resp: 444996
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.5 14.2 21.2

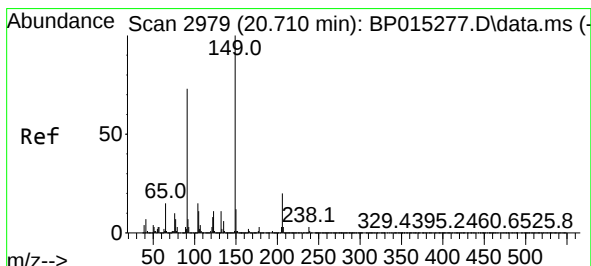
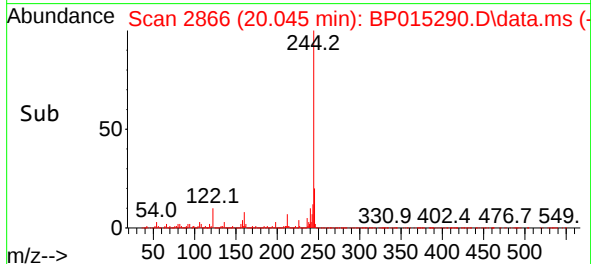
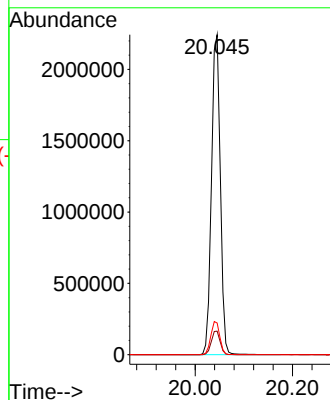
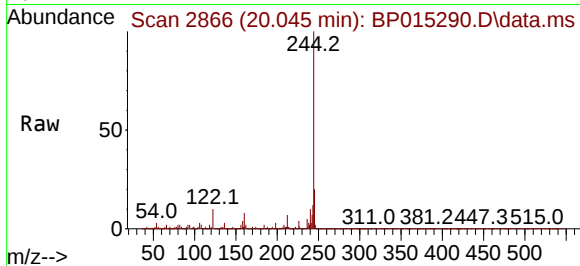




#79
 Terphenyl-d14
 Concen: 65.513 ng
 RT: 20.045 min Scan# 2865
 Delta R.T. 0.006 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03

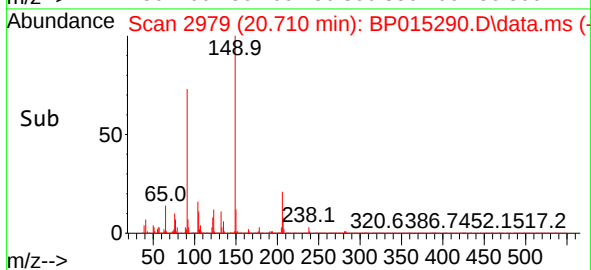
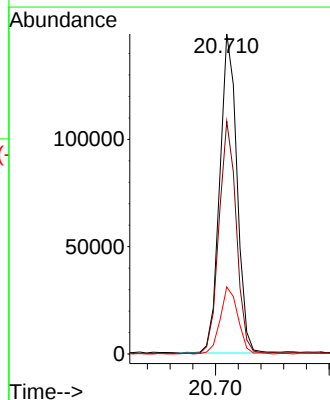
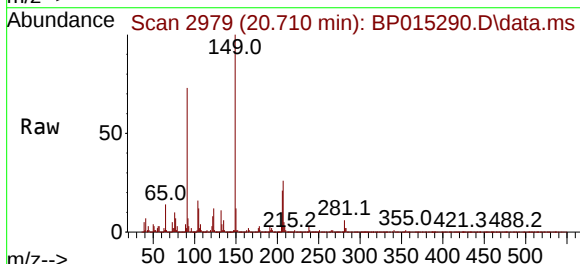
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

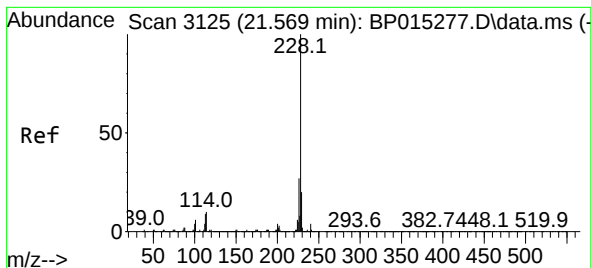
Tgt Ion:244 Resp: 2810607
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.9 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 6.404 ng
 RT: 20.710 min Scan# 2979
 Delta R.T. 0.000 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03

Tgt Ion:149 Resp: 156698
 Ion Ratio Lower Upper
 149 100
 91 72.8 58.2 87.2
 206 20.9 16.2 24.4





#81

Benzo(a)anthracene

Concen: 7.555 ng

RT: 21.569 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

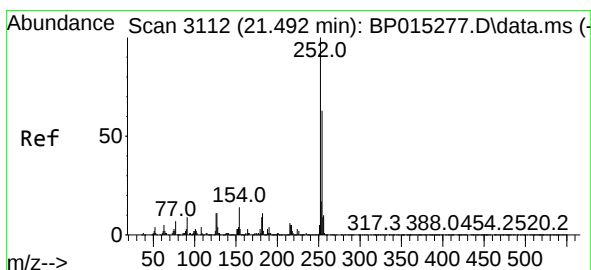
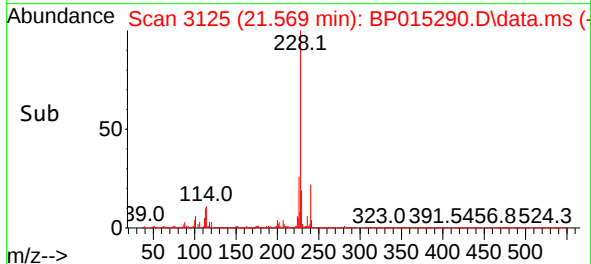
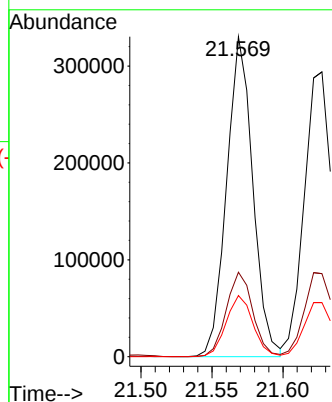
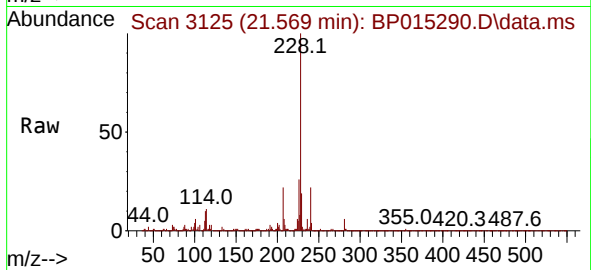
Tgt Ion:228 Resp: 423618

Ion Ratio Lower Upper

228 100

226 26.4 21.7 32.5

229 19.1 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 8.831 ng

RT: 21.498 min Scan# 3113

Delta R.T. 0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

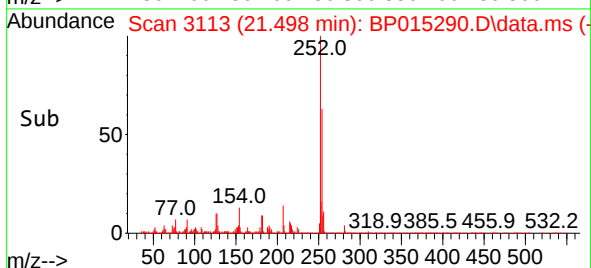
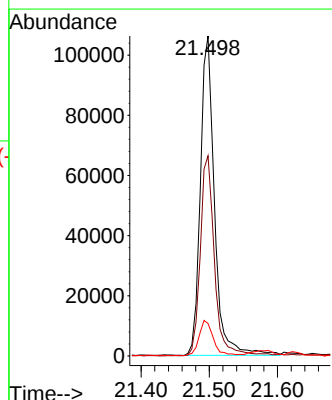
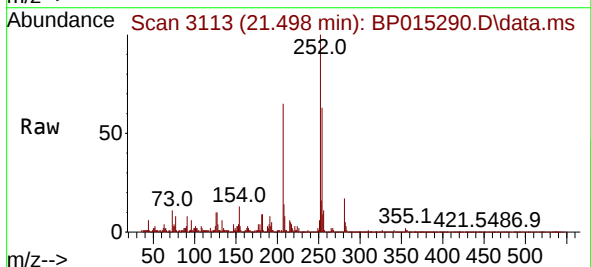
Tgt Ion:252 Resp: 152927

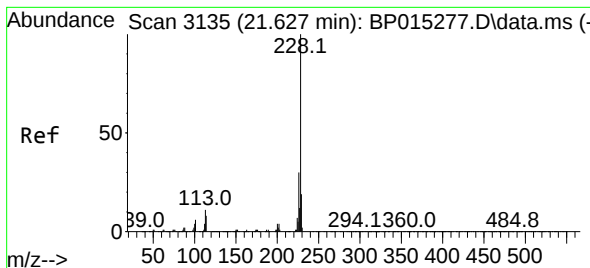
Ion Ratio Lower Upper

252 100

254 62.6 50.7 76.1

126 10.2 8.7 13.1





#83

Chrysene

Concen: 7.584 ng

RT: 21.627 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

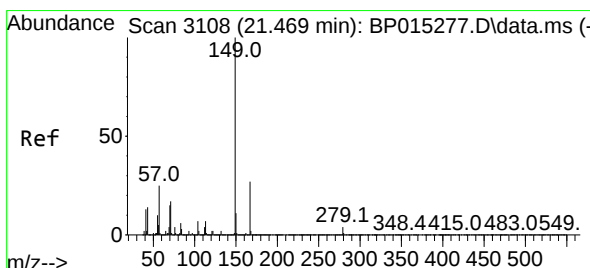
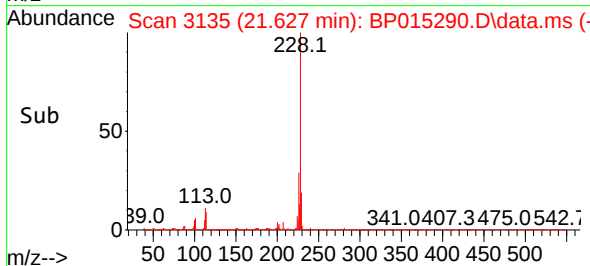
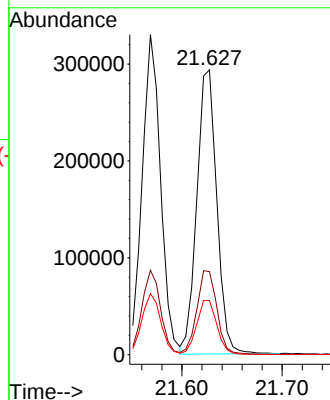
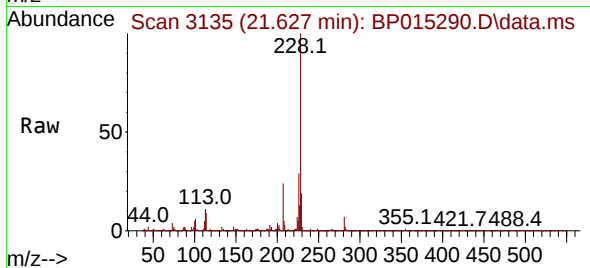
Tgt Ion:228 Resp: 407725

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

229 19.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.538 ng

RT: 21.469 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

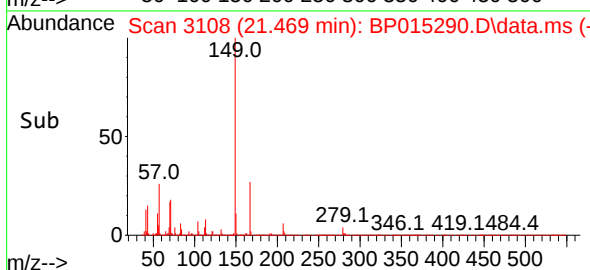
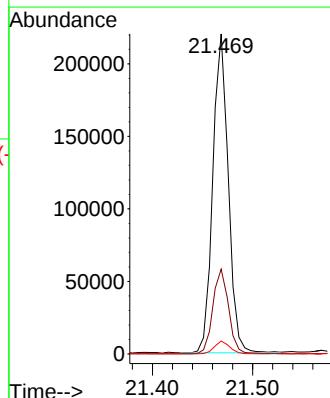
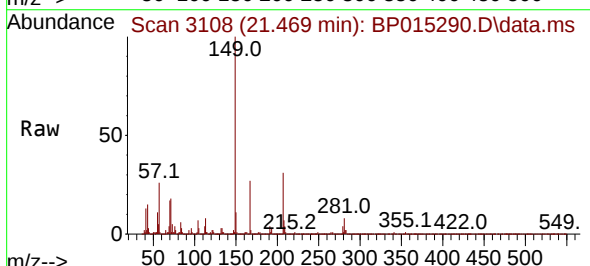
Tgt Ion:149 Resp: 235618

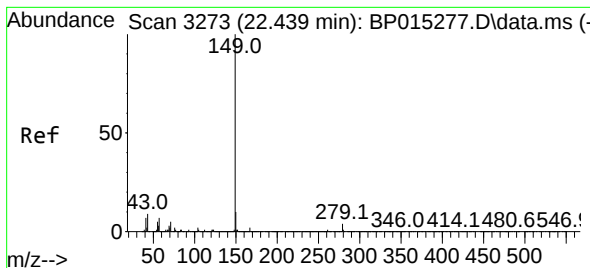
Ion Ratio Lower Upper

149 100

167 26.5 21.6 32.4

279 4.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 6.398 ng

RT: 22.439 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

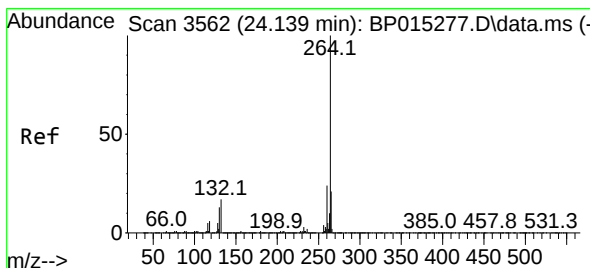
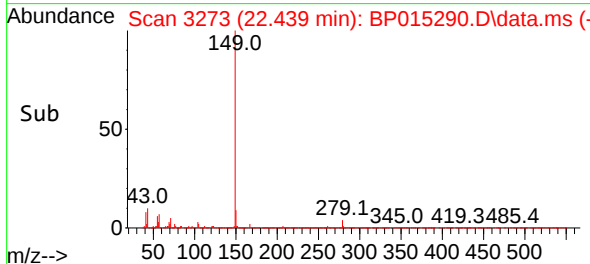
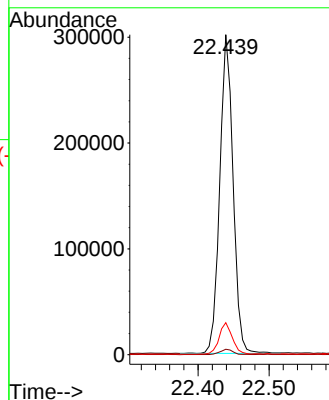
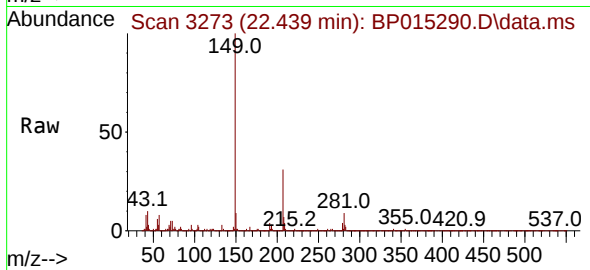
Tgt Ion:149 Resp: 390052

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.7 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: BP015290.D

Acq: 25 May 2023 14:03

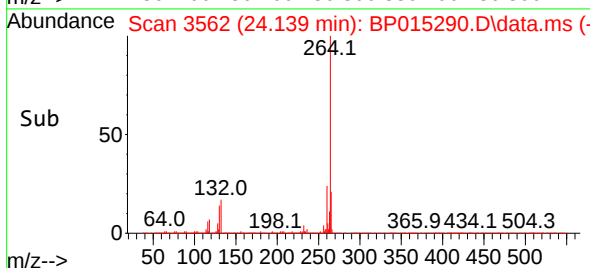
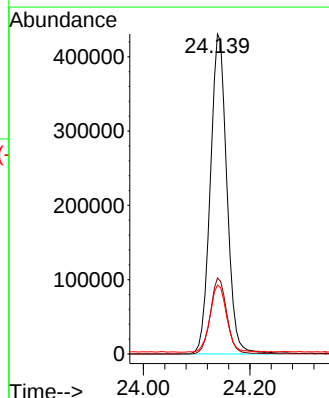
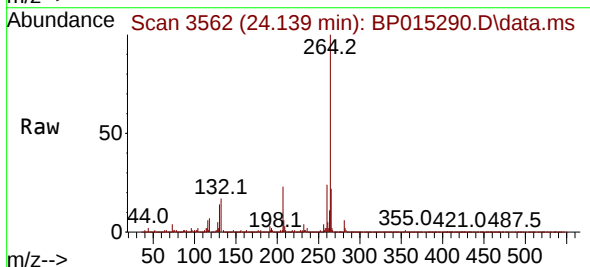
Tgt Ion:264 Resp: 927841

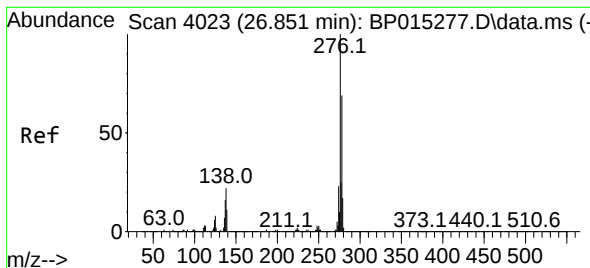
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.740 ng

RT: 26.839 min Scan# 4021

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

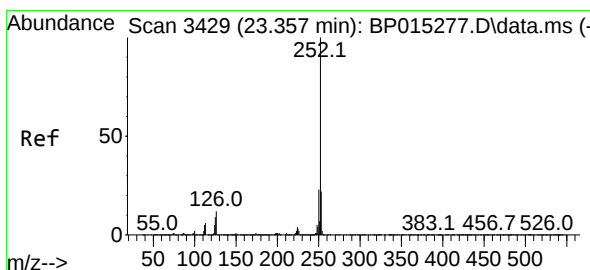
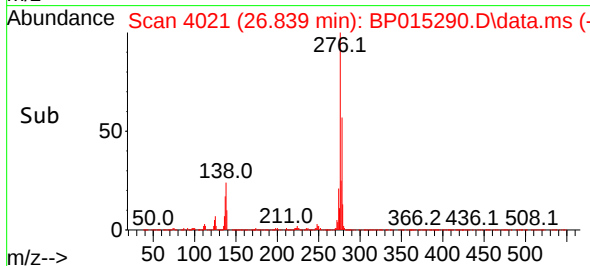
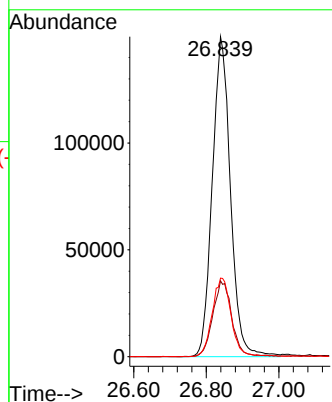
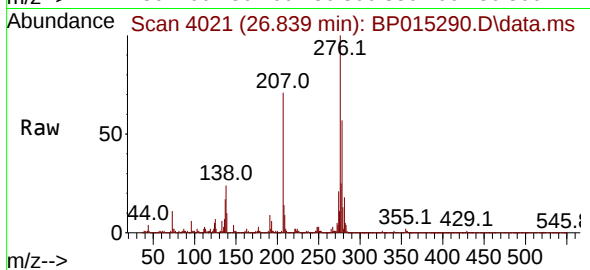
Tgt Ion:276 Resp: 520526

Ion Ratio Lower Upper

276 100

138 24.6 19.0 28.6

277 25.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.993 ng

RT: 23.351 min Scan# 3428

Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

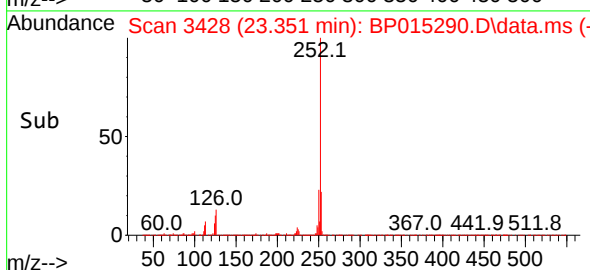
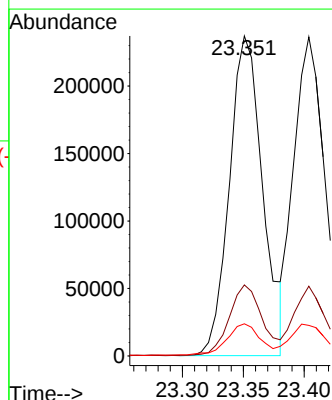
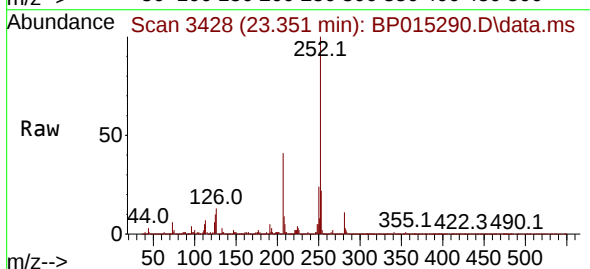
Tgt Ion:252 Resp: 450880

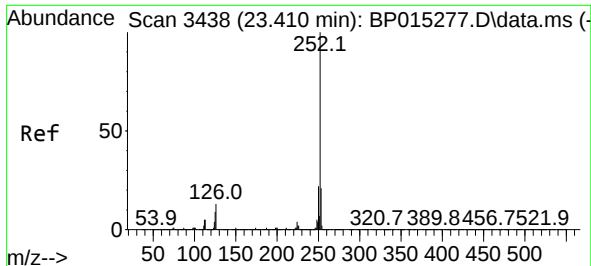
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.0 7.2 10.8

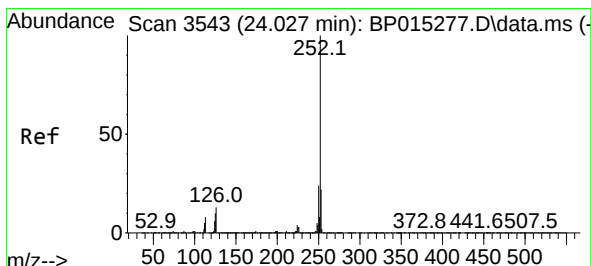
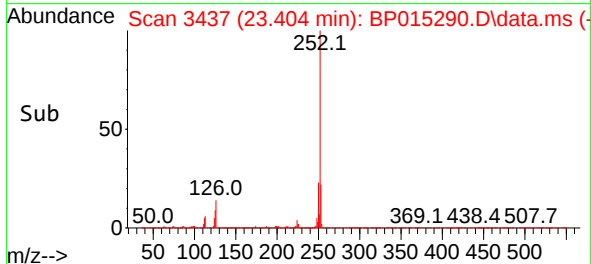
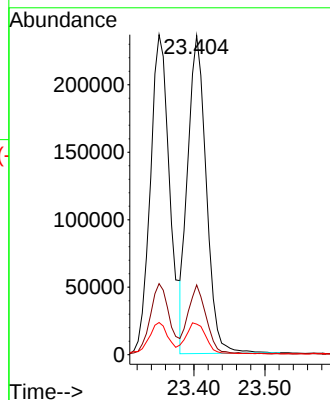
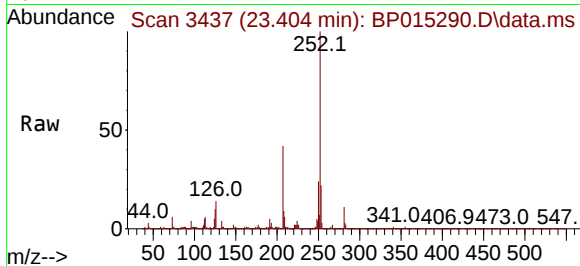




#89
Benzo(k)fluoranthene
Concen: 7.501 ng
RT: 23.404 min Scan# 3438
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

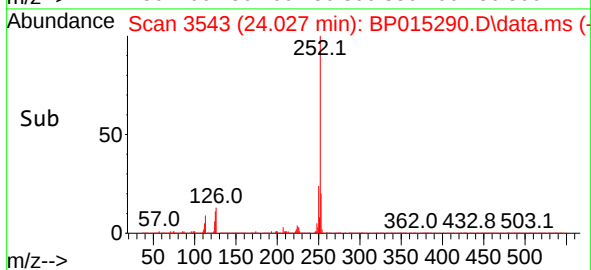
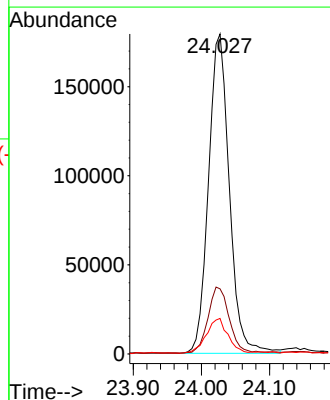
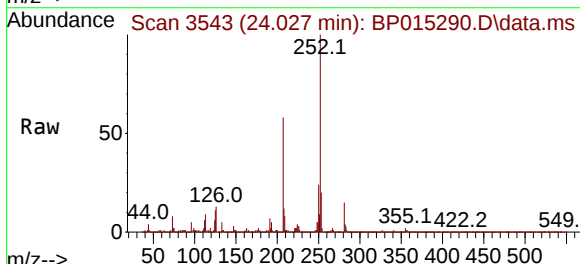
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

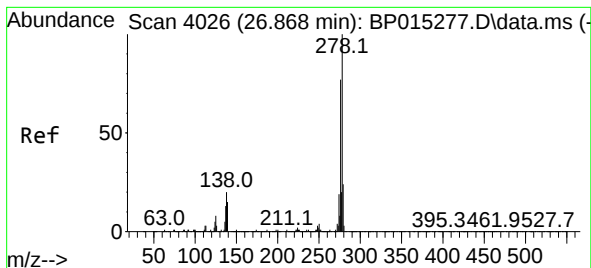
Tgt Ion:252 Resp: 426084
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.4
125 9.6 7.4 11.0



#90
Benzo(a)pyrene
Concen: 6.990 ng
RT: 24.027 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:252 Resp: 380723
Ion Ratio Lower Upper
252 100
253 20.4 17.4 26.2
125 11.1 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 7.749 ng

RT: 26.857 min Scan# 4026

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

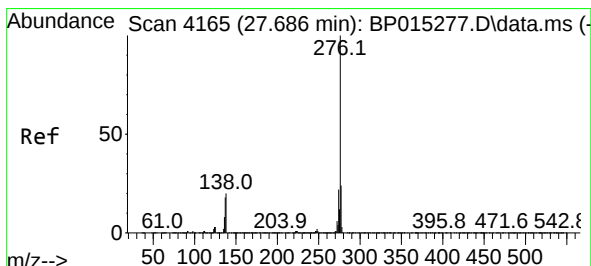
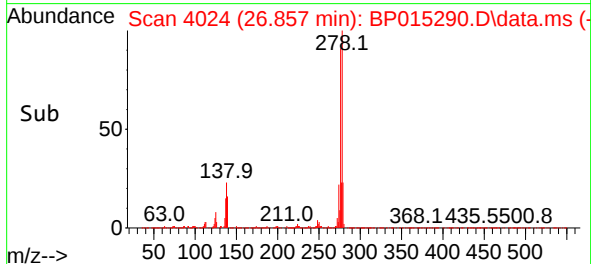
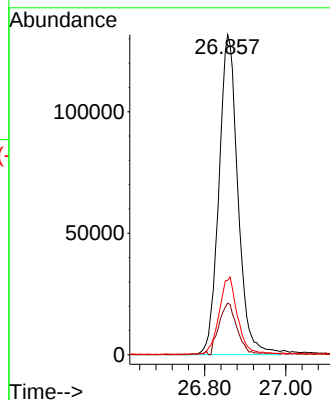
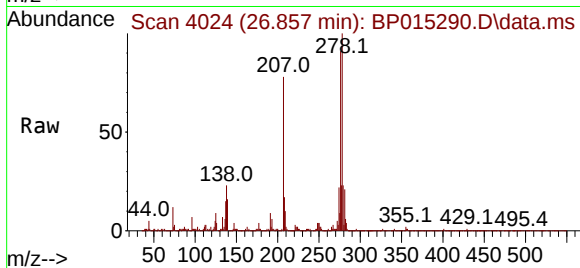
Tgt Ion:278 Resp: 427947

Ion Ratio Lower Upper

278 100

139 16.1 12.3 18.5

279 23.3 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 7.616 ng

RT: 27.674 min Scan# 4163

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:276 Resp: 427404

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 21.6 16.2 24.2

