

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015302.D
 Acq On : 26 May 2023 10:38
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 26 11:50:15 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	199709	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	797373	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	507726	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	1070642	20.000	ng	0.00
76) Chrysene-d12	21.586	240	804388	20.000	ng	0.00
86) Perylene-d12	24.139	264	799584	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1298329	107.727	ng	0.00
7) Phenol-d6	7.263	99	1718265	108.789	ng	0.00
23) Nitrobenzene-d5	9.287	82	1296952	79.417	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	752241	109.026	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2886203	76.318	ng	0.00
79) Terphenyl-d14	20.045	244	3617738	84.596	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	20569	3.853	ng	95
3) Pyridine	3.893	79	42210	3.094	ng	97
4) n-Nitrosodimethylamine	3.787	42	23584	3.704	ng	# 99
6) Aniline	7.428	93	78648	3.940	ng	97
8) 2-Chlorophenol	7.669	128	50568	4.015	ng	97
10) Phenol	7.287	94	63419	4.009	ng	92
11) bis(2-Chloroethyl)ether	7.522	93	52986	3.996	ng	96
12) 1,3-Dichlorobenzene	7.993	146	58226	4.155	ng	97
13) 1,4-Dichlorobenzene	8.146	146	58220	4.127	ng	99
14) 1,2-Dichlorobenzene	8.469	146	55951	4.157	ng	96
15) Benzyl Alcohol	8.357	79	39700	3.601	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.646	45	72124	4.219	ng	98
17) 2-Methylphenol	8.557	107	41721	3.706	ng	99
18) Hexachloroethane	9.204	117	22018	4.141	ng	91
19) n-Nitroso-di-n-propyla...	8.922	70	42136	4.168	ng	99
20) 3+4-Methylphenols	8.887	107	54699	3.597	ng	98
22) Acetophenone	8.946	105	85614	4.134	ng	# 98
24) Nitrobenzene	9.328	77	64685	3.978	ng	96
25) Isophorone	9.857	82	109932	3.751	ng	99
26) 2-Nitrophenol	10.052	139	23033	3.227	ng	97
27) 2,4-Dimethylphenol	10.099	122	43580	3.642	ng	98
28) bis(2-Chloroethoxy)met...	10.340	93	74211	4.109	ng	95
29) 2,4-Dichlorophenol	10.587	162	42115	3.394	ng	97
30) 1,2,4-Trichlorobenzene	10.799	180	54734	3.955	ng	97
31) Naphthalene	10.993	128	167536	3.990	ng	100
32) Benzoic acid	10.181	122	7747	7.052	ng	86
33) 4-Chloroaniline	11.110	127	59498	3.427	ng	98
34) Hexachlorobutadiene	11.269	225	33941	3.871	ng	99
35) Caprolactam	11.875	113	11735	3.081	ng	95
36) 4-Chloro-3-methylphenol	12.216	107	47044	3.487	ng	99
37) 2-Methylnaphthalene	12.593	142	118066	3.956	ng	97
38) 1-Methylnaphthalene	12.804	142	109598	3.936	ng	97
40) 1,2,4,5-Tetrachloroben...	12.951	216	64446	3.868	ng	99
41) Hexachlorocyclopentadiene	12.928	237	28338	3.211	ng	99
43) 2,4,6-Trichlorophenol	13.193	196	34946	3.232	ng	95
44) 2,4,5-Trichlorophenol	13.269	196	37938	2.984	ng	94

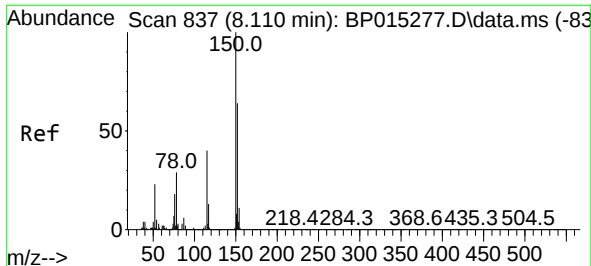
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.587	154	165072	4.103	ng	98
47) 2-Chloronaphthalene	13.634	162	123038	4.054	ng	99
48) 2-Nitroaniline	13.840	65	28008	3.021	ng	95
49) Acenaphthylene	14.475	152	178404	3.674	ng	100
50) Dimethylphthalate	14.204	163	152821	3.847	ng	99
51) 2,6-Dinitrotoluene	14.328	165	28827	3.437	ng	94
52) Acenaphthene	14.816	154	115402	3.990	ng	99
53) 3-Nitroaniline	14.663	138	24625	2.873	ng	98
54) 2,4-Dinitrophenol	14.875	184	9420	6.748	ng	93
55) Dibenzofuran	15.151	168	187850	3.971	ng	98
56) 4-Nitrophenol	14.963	139	16156	5.482	ng	93
57) 2,4-Dinitrotoluene	15.116	165	33919	3.076	ng	# 91
58) Fluorene	15.798	166	147555	4.038	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.375	232	35413	3.483	ng	98
60) Diethylphthalate	15.563	149	149457	3.777	ng	97
61) 4-Chlorophenyl-phenyle...	15.787	204	75418	4.031	ng	99
62) 4-Nitroaniline	15.828	138	21512	4.527	ng	93
63) Azobenzene	16.081	77	139477	3.695	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	16166	2.486	ng	89
66) n-Nitrosodiphenylamine	16.004	169	123822	3.881	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	42857	3.702	ng	96
68) Hexachlorobenzene	16.810	284	52802	4.142	ng	96
69) Atrazine	16.957	200	39739	3.901	ng	97
70) Pentachlorophenol	17.157	266	22526	2.578	ng	95
71) Phenanthrene	17.551	178	231117	4.050	ng	99
72) Anthracene	17.639	178	221815	3.881	ng	98
73) Carbazole	17.910	167	179838	3.554	ng	99
74) Di-n-butylphthalate	18.439	149	208322	3.206	ng	99
75) Fluoranthene	19.504	202	233544	3.503	ng	100
77) Benzidine	19.686	184	61281	4.811	ng	99
78) Pyrene	19.857	202	247831	4.306	ng	99
80) Butylbenzylphthalate	20.710	149	72112	2.957	ng	95
81) Benzo(a)anthracene	21.569	228	211682	3.787	ng	98
82) 3,3'-Dichlorobenzidine	21.498	252	63859	3.699	ng	99
83) Chrysene	21.622	228	207936	3.880	ng	98
84) Bis(2-ethylhexyl)phtha...	21.469	149	96841	2.696	ng	99
85) Di-n-octyl phthalate	22.439	149	145356	2.392	ng	97
87) Indeno(1,2,3-cd)pyrene	26.839	276	209268	3.611	ng	99
88) Benzo(b)fluoranthene	23.351	252	188589	3.879	ng	# 98
89) Benzo(k)fluoranthene	23.351	252	188589	3.852	ng	97
90) Benzo(a)pyrene	24.027	252	160538	3.420	ng	98
91) Dibenzo(a,h)anthracene	26.857	278	171485	3.603	ng	97
92) Benzo(g,h,i)perylene	27.668	276	170192	3.519	ng	99

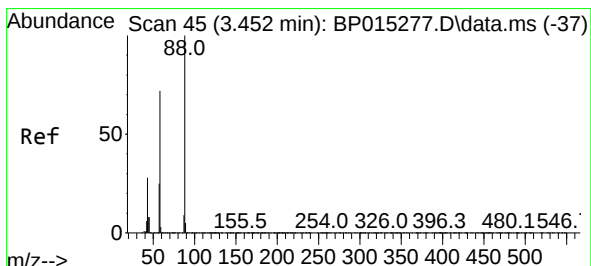
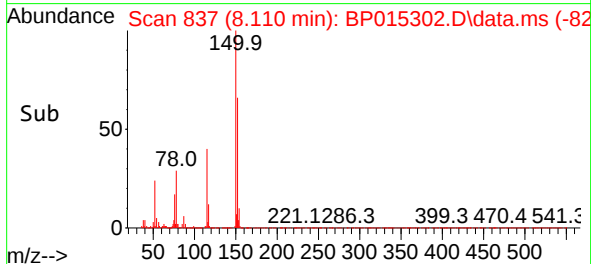
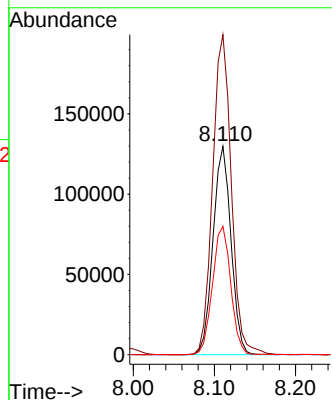
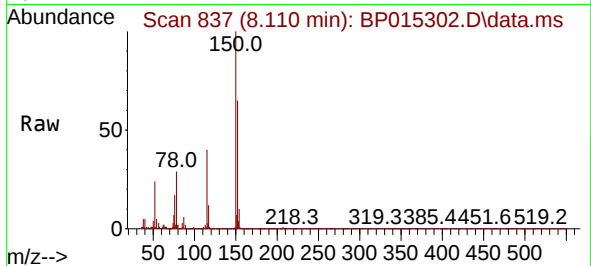
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.110 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

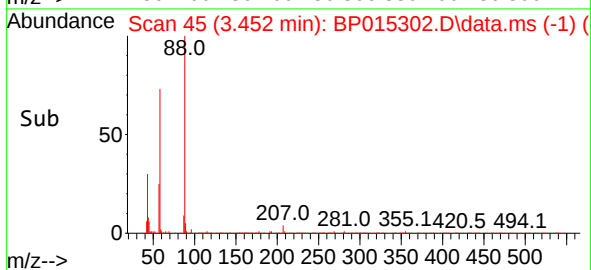
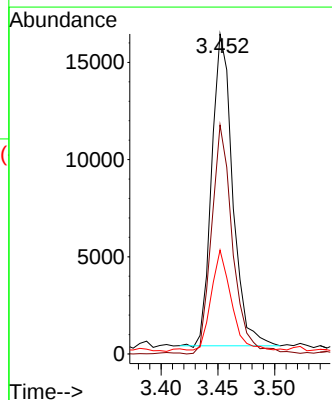
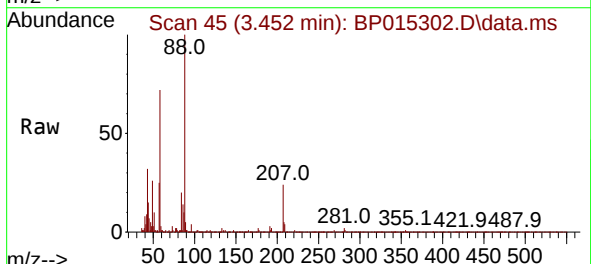
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

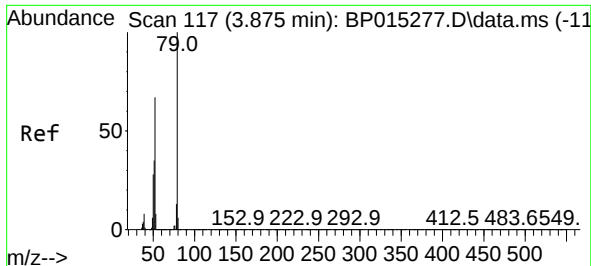
Tgt Ion:152 Resp: 199709
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.2 186.2
 115 61.6 49.1 73.7



#2
 1,4-Dioxane
 Concen: 3.853 ng
 RT: 3.452 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

Tgt Ion: 88 Resp: 20569
 Ion Ratio Lower Upper
 88 100
 58 74.2 56.2 84.4
 43 30.0 22.1 33.1

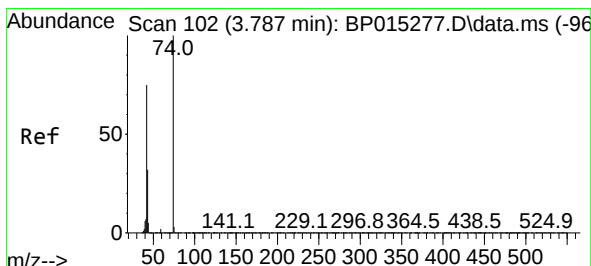
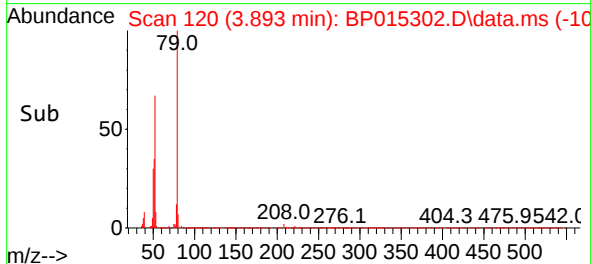
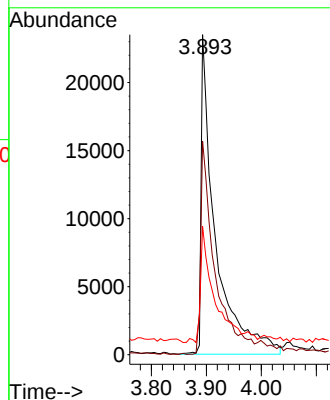
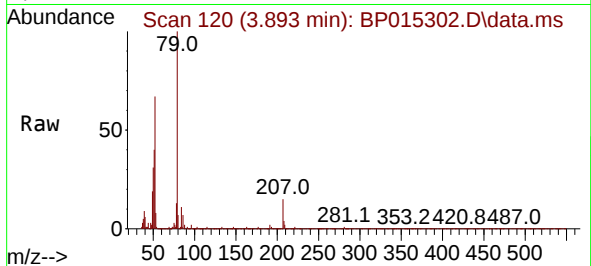




#3
Pyridine
Concen: 3.094 ng
RT: 3.893 min Scan# 117
Delta R.T. 0.018 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

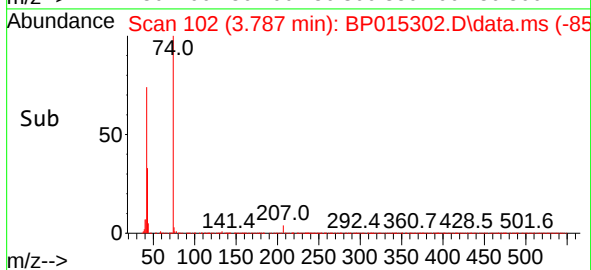
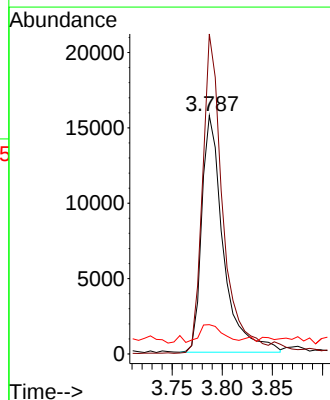
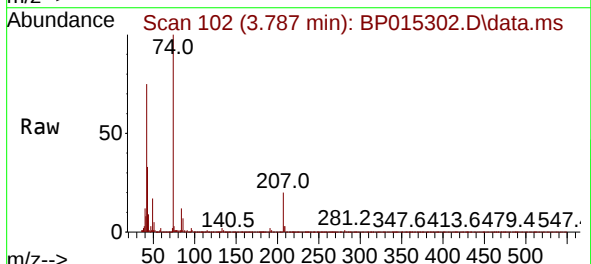
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2023

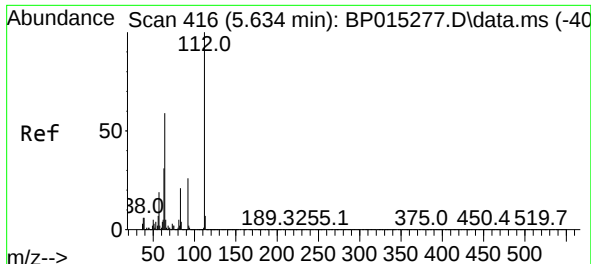
Tgt Ion: 79 Resp: 42210
Ion Ratio Lower Upper
79 100
52 66.7 53.7 80.5
51 40.1 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 3.704 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 42 Resp: 23584
Ion Ratio Lower Upper
42 100
74 134.2 106.6 160.0
44 12.3 5.8 8.8

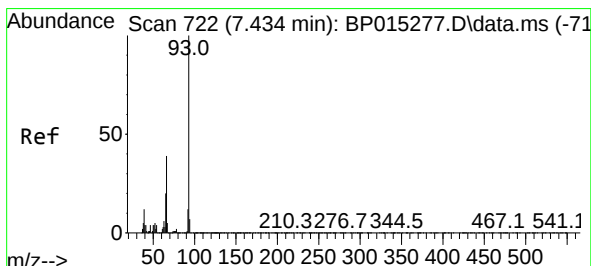
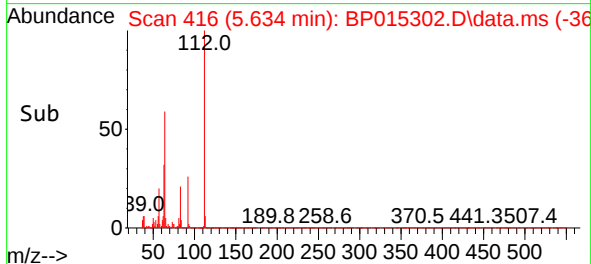
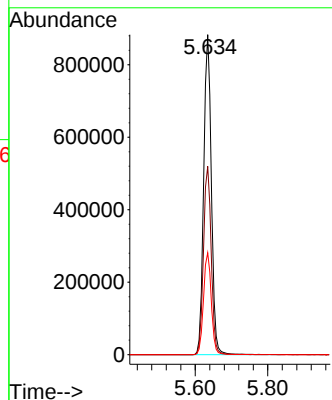
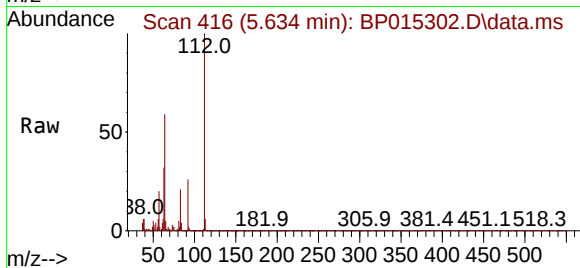




#5
2-Fluorophenol
Concen: 107.727 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

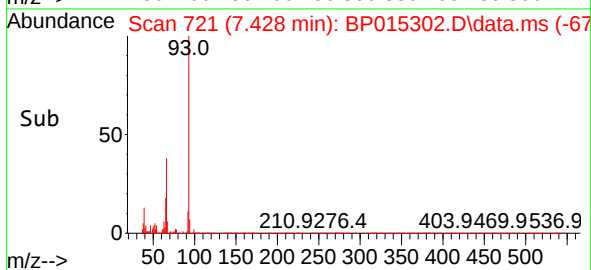
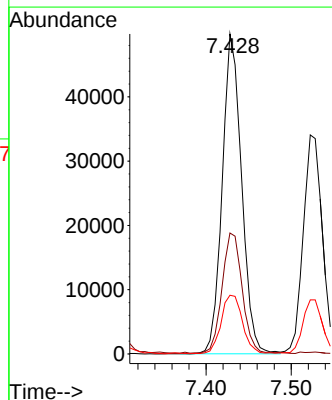
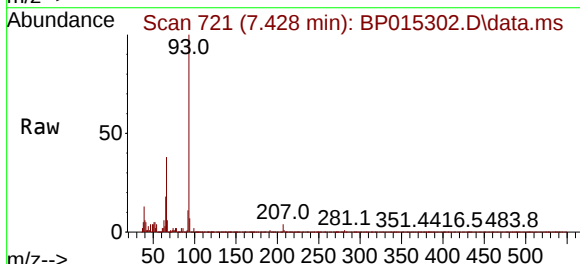
Instrument :
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MDL-SOIL-03-QT2-2023

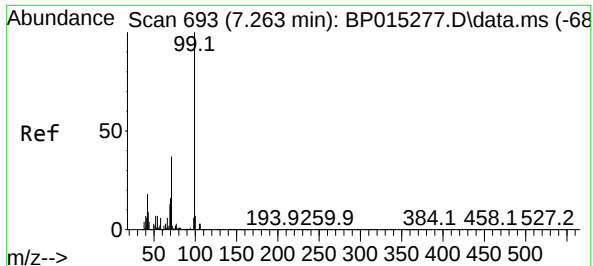
Tgt Ion:112 Resp: 1298329
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 31.9 24.6 37.0



#6
Aniline
Concen: 3.940 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 93 Resp: 78648
Ion Ratio Lower Upper
93 100
66 37.8 31.3 46.9
65 18.4 16.0 24.0



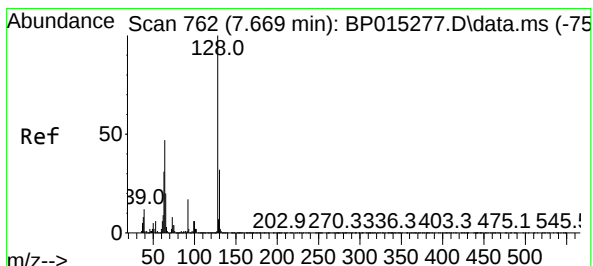
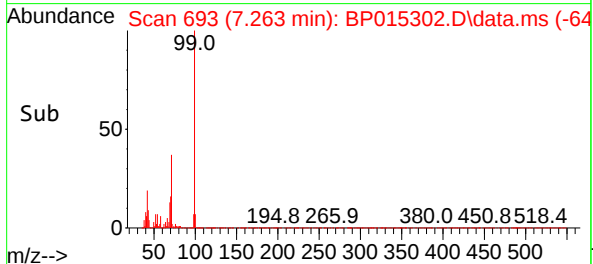
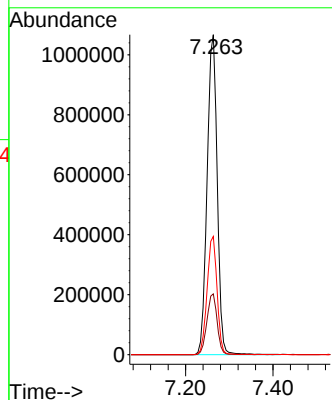
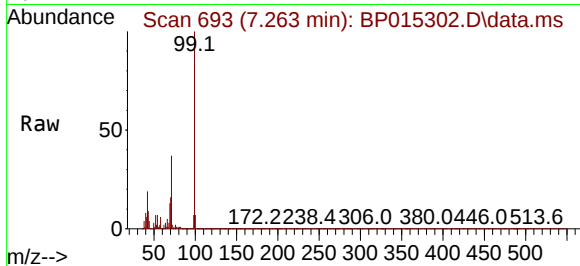


#7
Phenol-d6
Concen: 108.789 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 99 Resp: 1718265

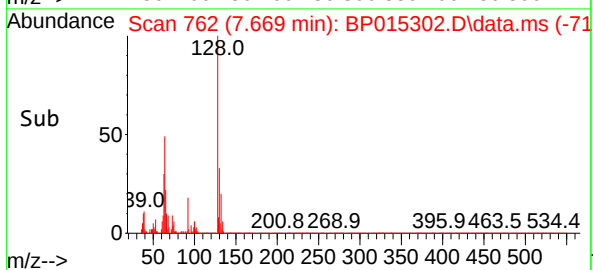
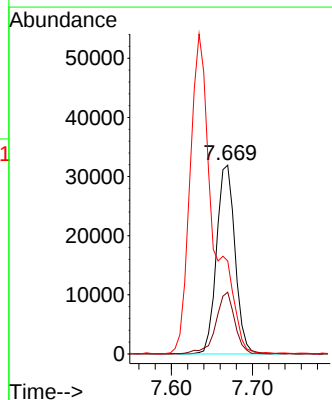
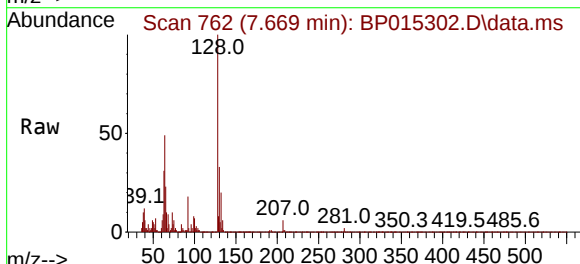
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.6	22.0
71	37.0	29.4	44.2

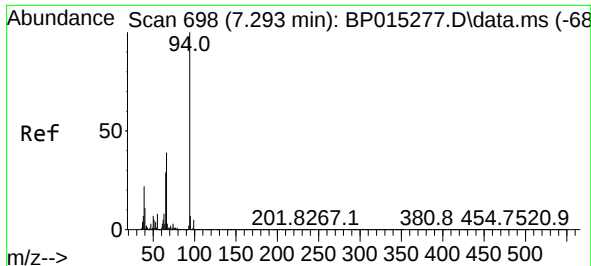


#8
2-Chlorophenol
Concen: 4.015 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 128 Resp: 50568

Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.5	51.5
64	49.3	27.3	67.3

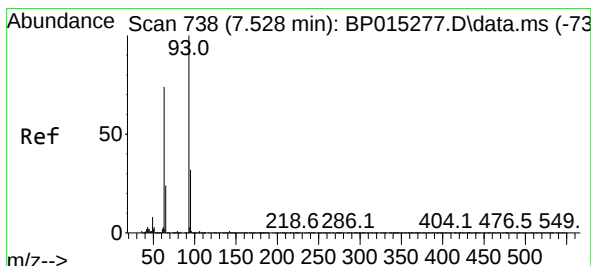
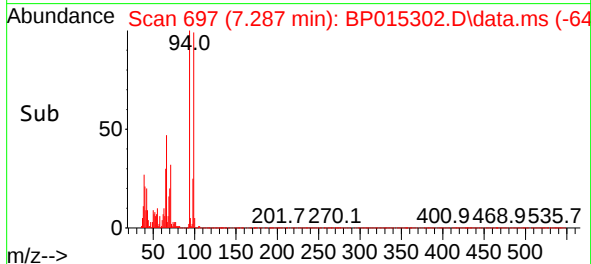
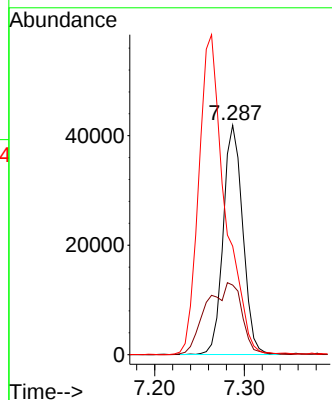
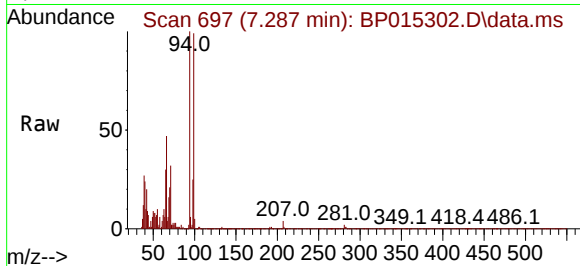




#10
Phenol
Concen: 4.009 ng
RT: 7.287 min Scan# 698
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

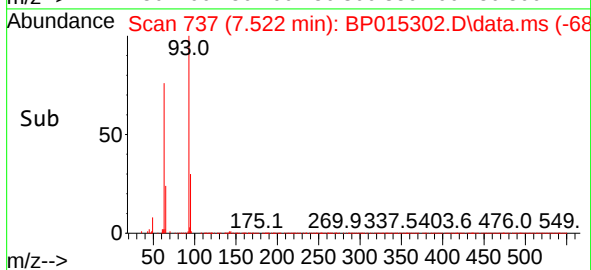
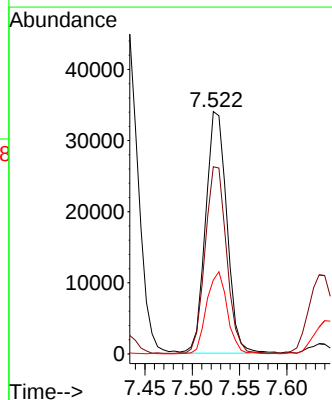
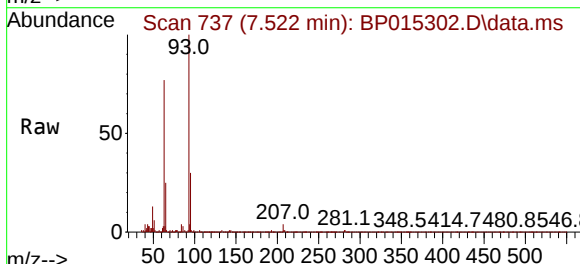
Instrument :
BNA_P
ClientSampleId :
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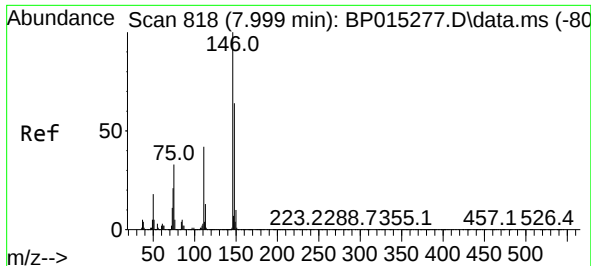
Tgt Ion: 94 Resp: 63419
Ion Ratio Lower Upper
94 100
65 30.3 9.1 49.1
66 47.3 19.3 59.3



#11
bis(2-Chloroethyl)ether
Concen: 3.996 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 93 Resp: 52986
Ion Ratio Lower Upper
93 100
63 77.2 53.9 93.9
95 30.5 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 4.155 ng

RT: 7.993 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

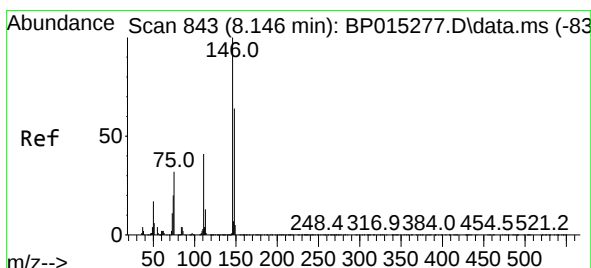
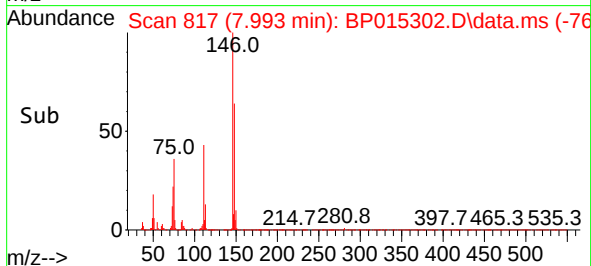
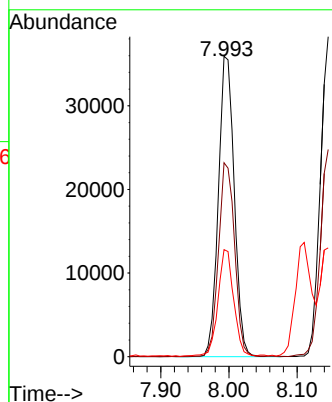
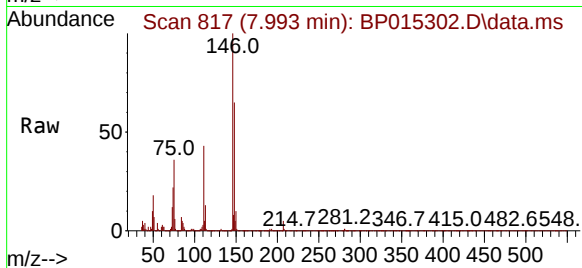
Tgt Ion:146 Resp: 58226

Ion Ratio Lower Upper

146 100

148 64.5 50.8 76.2

75 35.6 26.1 39.1



#13

1,4-Dichlorobenzene

Concen: 4.127 ng

RT: 8.146 min Scan# 843

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

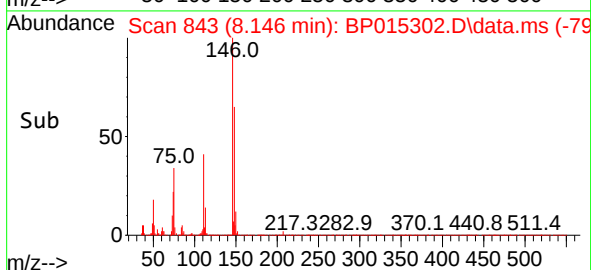
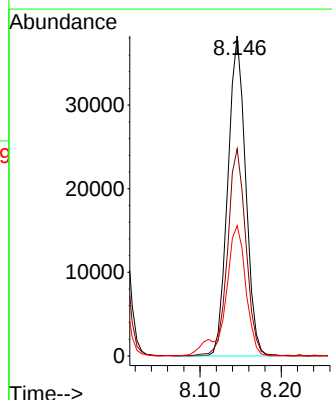
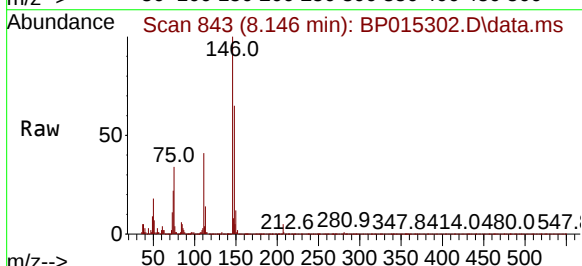
Tgt Ion:146 Resp: 58220

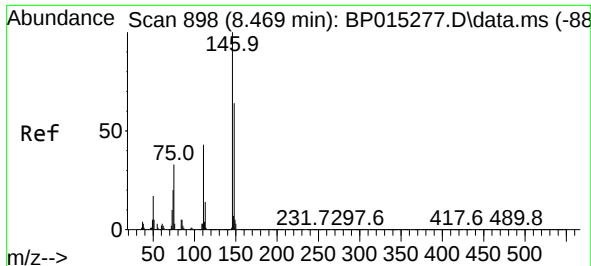
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 40.7 33.3 49.9

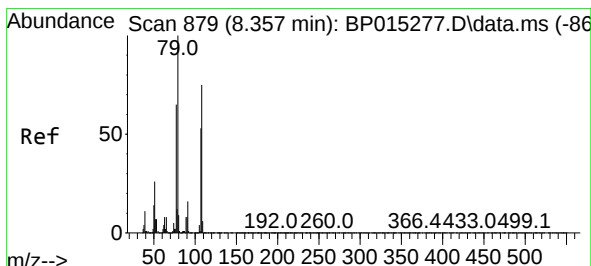
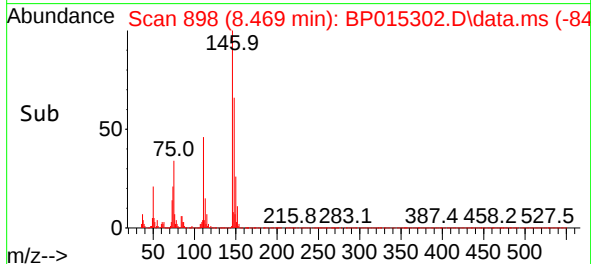
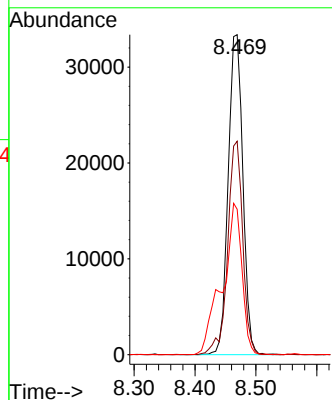
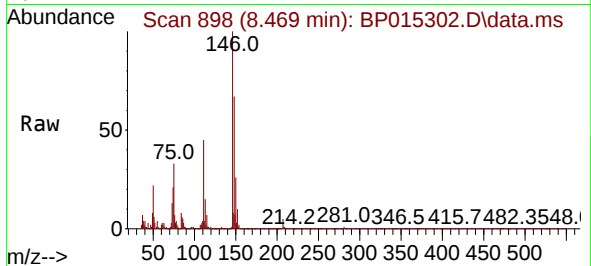




#14
1,2-Dichlorobenzene
Concen: 4.157 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

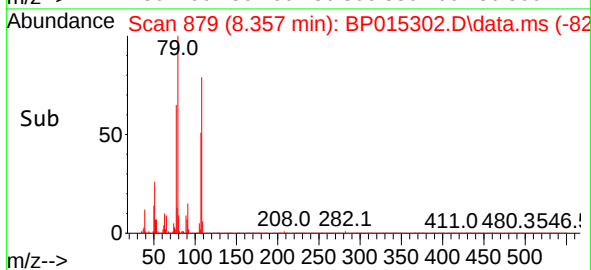
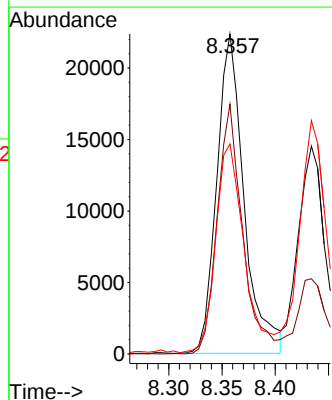
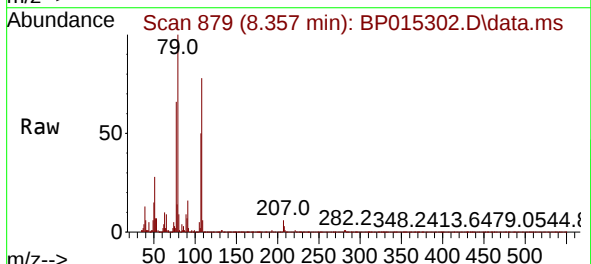
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

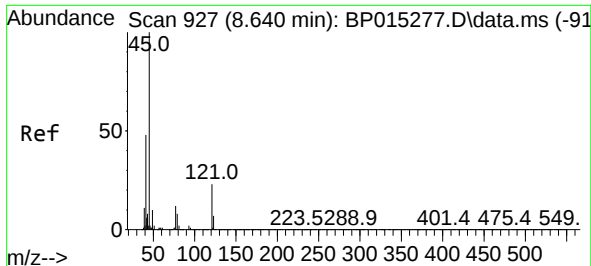
Tgt Ion:146 Resp: 55951
Ion Ratio Lower Upper
146 100
148 66.7 51.4 77.2
111 45.4 34.2 51.2



#15
Benzyl Alcohol
Concen: 3.601 ng
RT: 8.357 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 79 Resp: 39700
Ion Ratio Lower Upper
79 100
108 78.1 60.2 90.2
77 65.7 52.1 78.1

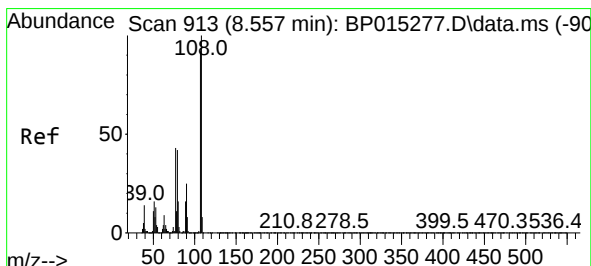
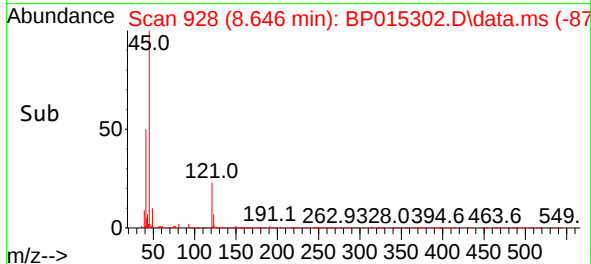
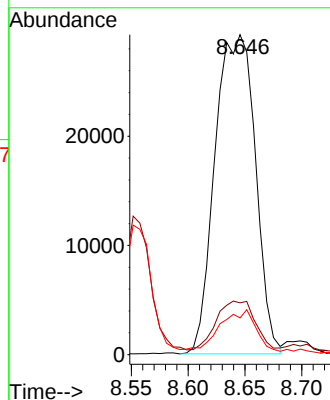
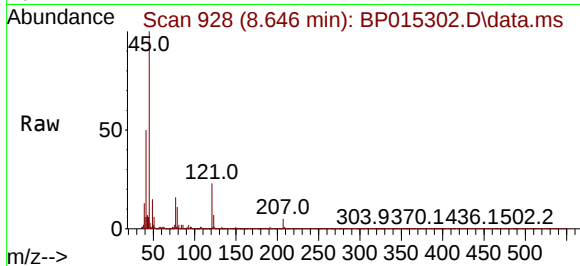




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.219 ng
RT: 8.646 min Scan# 913
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

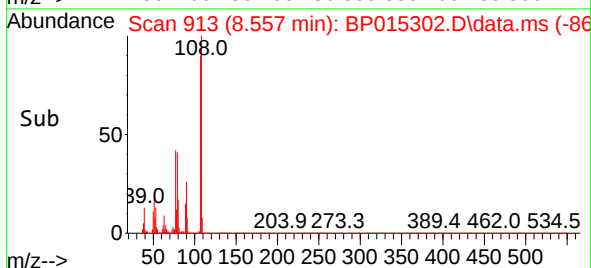
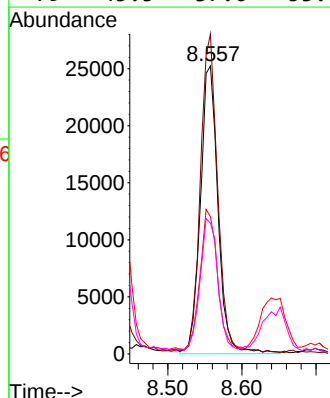
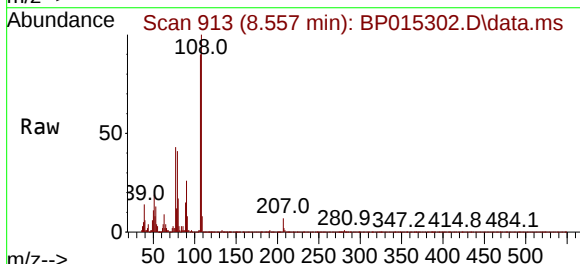
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

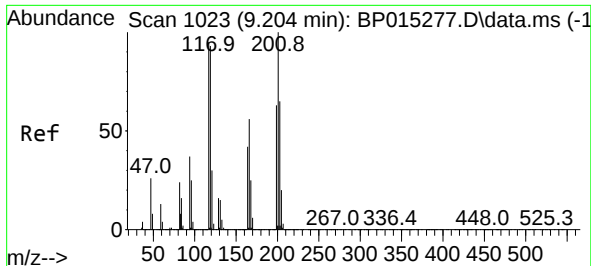
Tgt Ion: 45 Resp: 72124
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.3
79 11.5 0.0 31.2



#17
2-Methylphenol
Concen: 3.706 ng
RT: 8.557 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 107 Resp: 41721
Ion Ratio Lower Upper
107 100
108 111.1 87.3 130.9
77 47.7 38.1 57.1
79 45.5 37.0 55.4

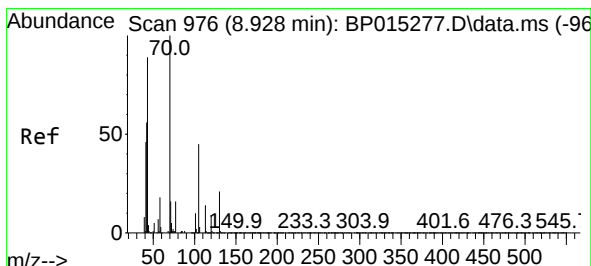
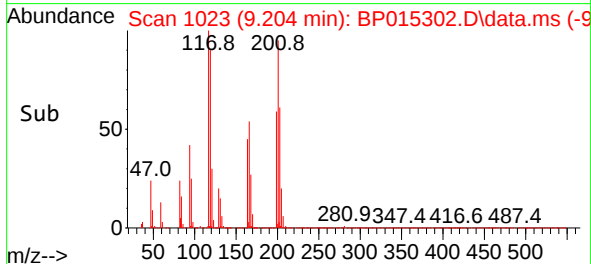
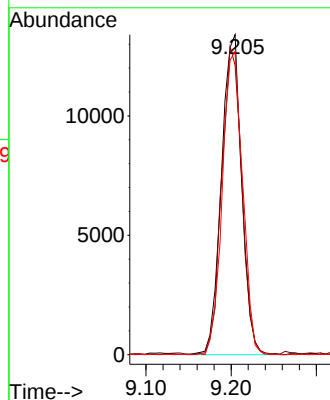
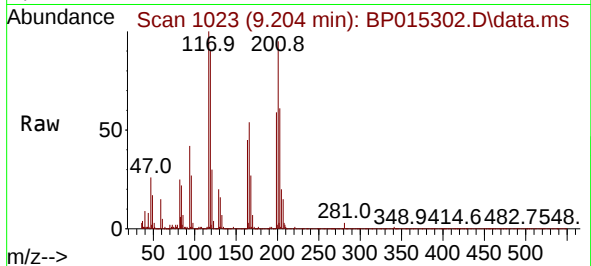




#18
Hexachloroethane
Concen: 4.141 ng
RT: 9.204 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

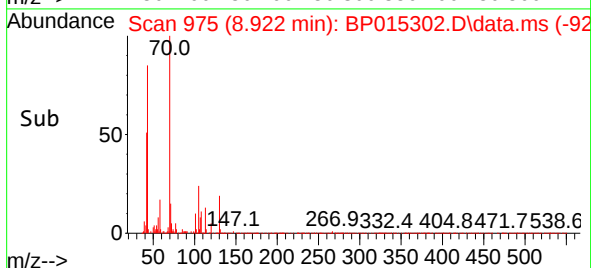
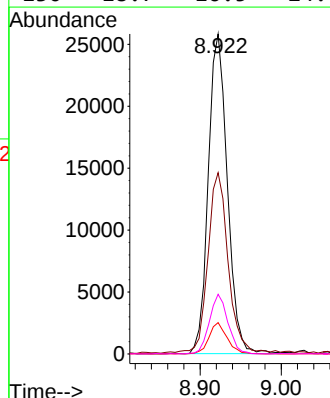
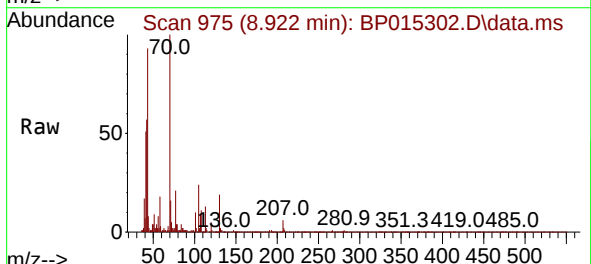
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

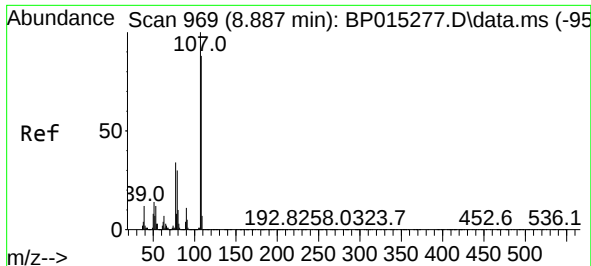
Tgt Ion:117 Resp: 22018
Ion Ratio Lower Upper
117 100
119 90.4 78.8 118.2
201 94.8 84.5 126.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.168 ng
RT: 8.922 min Scan# 975
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 70 Resp: 42136
Ion Ratio Lower Upper
70 100
42 56.6 45.4 68.2
101 9.8 7.9 11.9
130 18.7 16.5 24.7

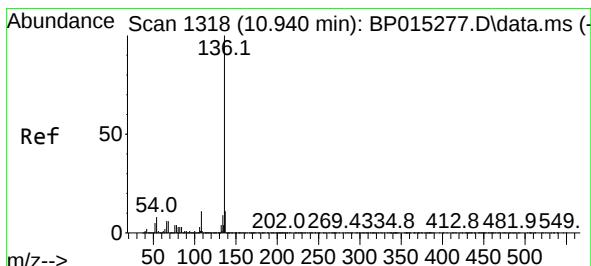
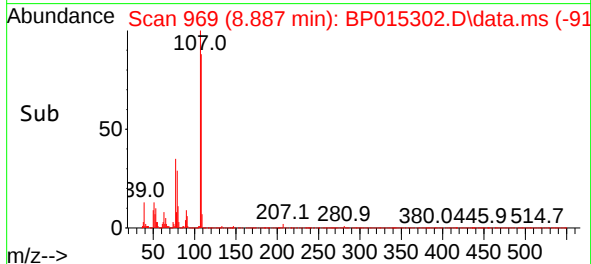
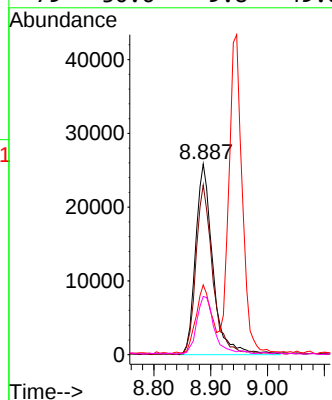
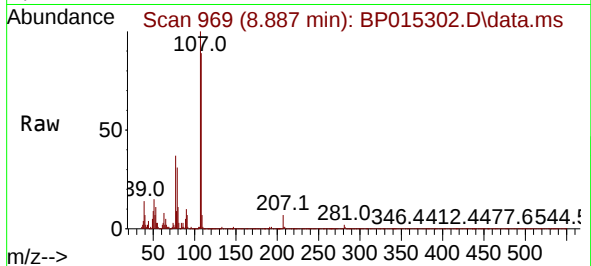




#20
3+4-Methylphenols
Concen: 3.597 ng
RT: 8.887 min Scan# 90
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

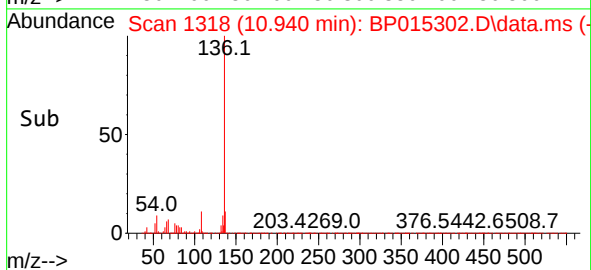
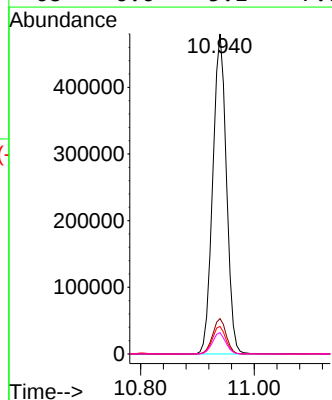
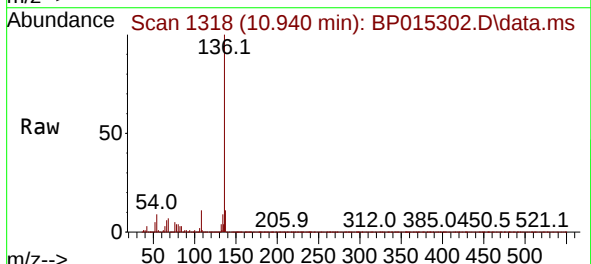
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

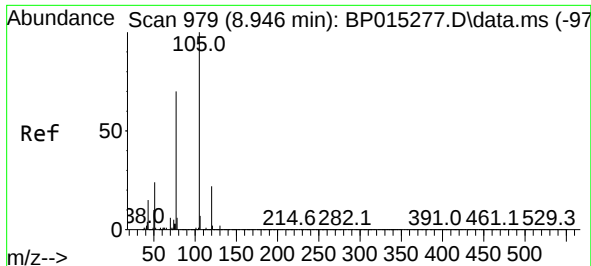
Tgt Ion:	107	Resp:	54699
Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.0	108.0
77	36.6	14.5	54.5
79	30.6	9.8	49.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:	136	Resp:	797373
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.3	9.5
68	6.6	5.1	7.7

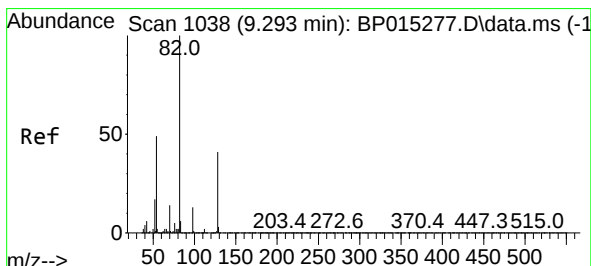
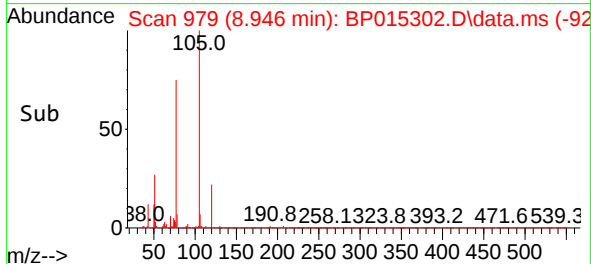
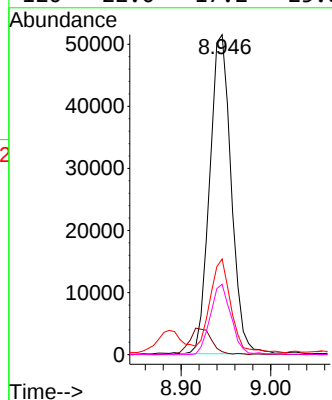
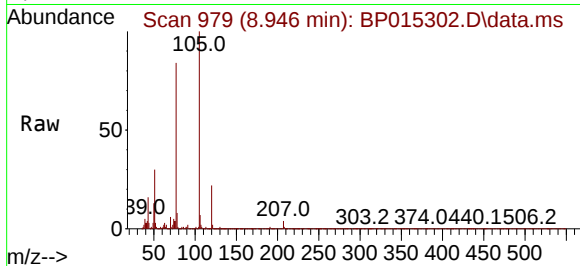




#22
Acetophenone
Concen: 4.134 ng
RT: 8.946 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

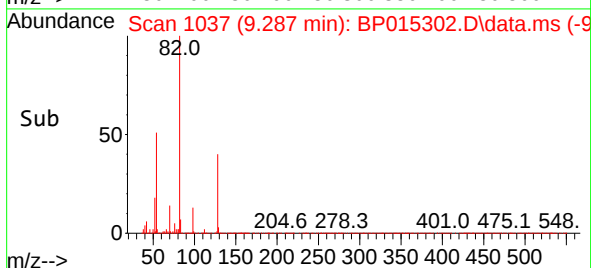
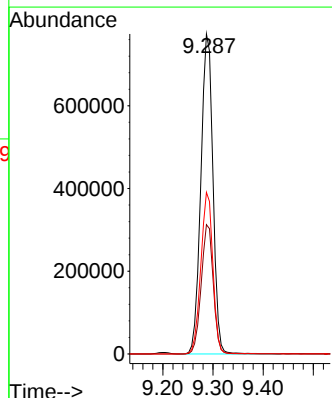
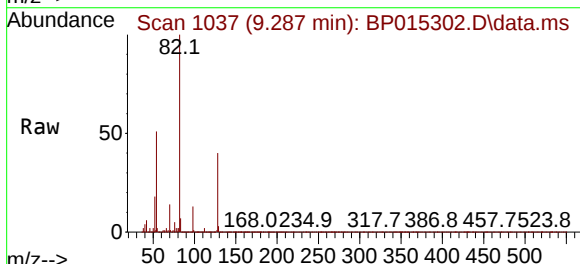
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

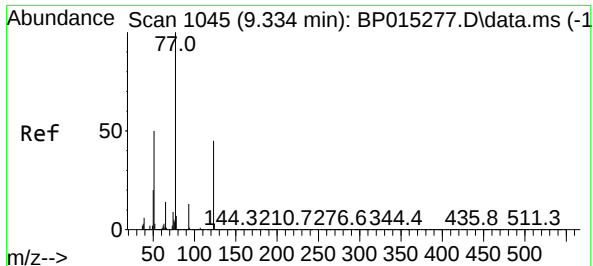
Tgt Ion:105 Resp: 85614
Ion Ratio Lower Upper
105 100
71 1.0 1.5 2.3#
51 29.9 22.5 33.7
120 22.0 17.2 25.8



#23
Nitrobenzene-d5
Concen: 79.417 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 82 Resp: 1296952
Ion Ratio Lower Upper
82 100
128 40.4 33.0 49.4
54 50.5 39.2 58.8

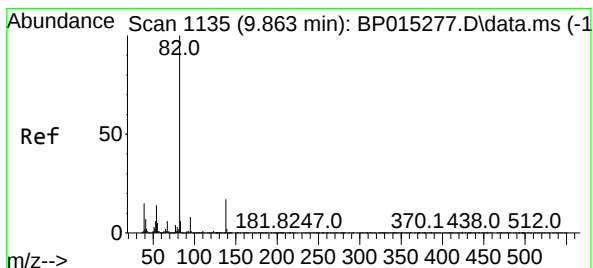
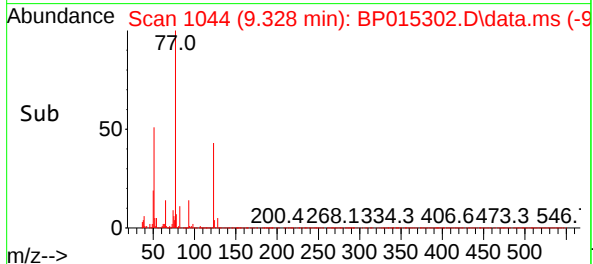
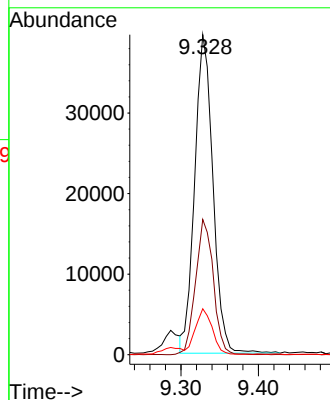
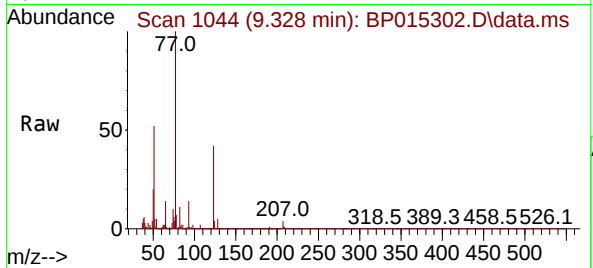




#24
Nitrobenzene
Concen: 3.978 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

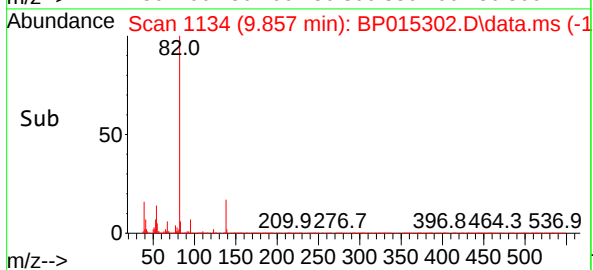
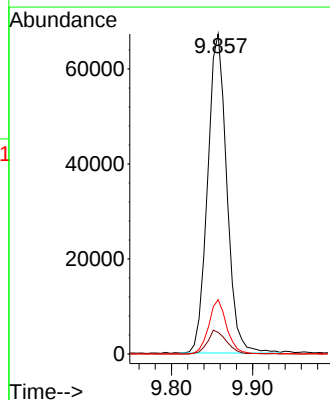
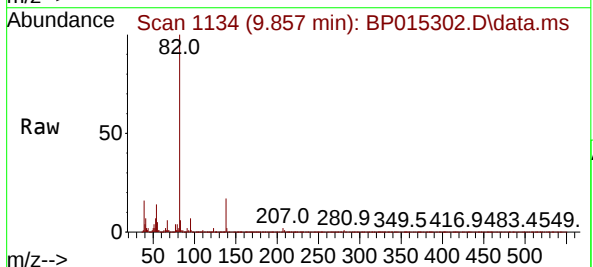
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

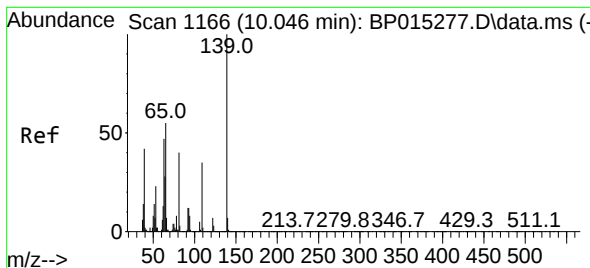
Tgt Ion: 77 Resp: 64685
Ion Ratio Lower Upper
77 100
123 42.3 36.2 54.4
65 14.4 10.8 16.2



#25
Isophorone
Concen: 3.751 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 82 Resp: 109932
Ion Ratio Lower Upper
82 100
95 6.8 6.3 9.5
138 16.9 13.6 20.4





#26

2-Nitrophenol

Concen: 3.227 ng

RT: 10.052 min Scan# 1167

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

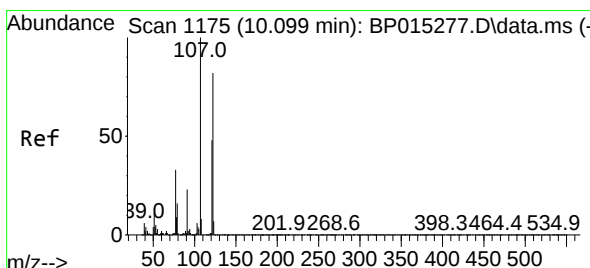
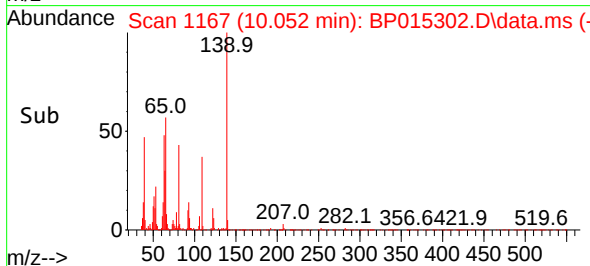
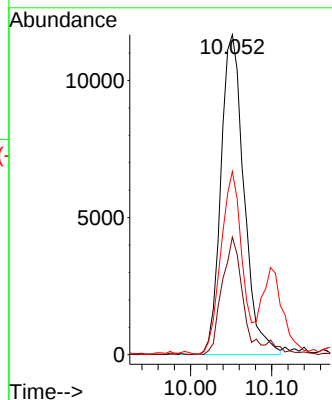
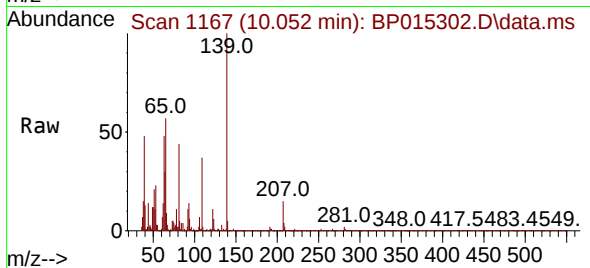
Tgt Ion:139 Resp: 23033

Ion Ratio Lower Upper

139 100

109 36.8 28.4 42.6

65 57.3 43.8 65.8



#27

2,4-Dimethylphenol

Concen: 3.642 ng

RT: 10.099 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

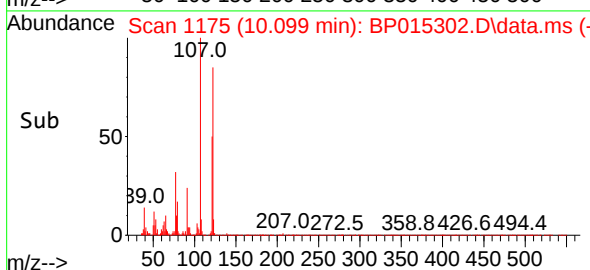
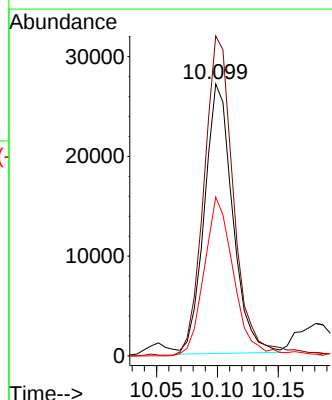
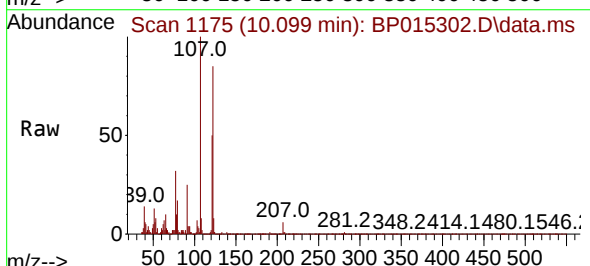
Tgt Ion:122 Resp: 43580

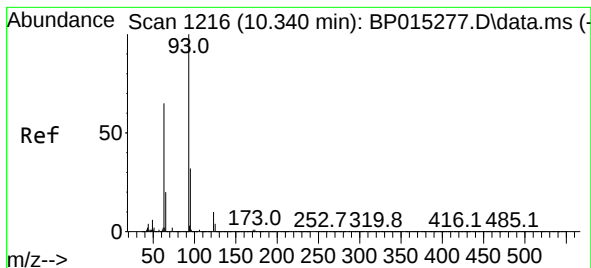
Ion Ratio Lower Upper

122 100

107 117.6 95.9 143.9

121 58.4 45.8 68.8

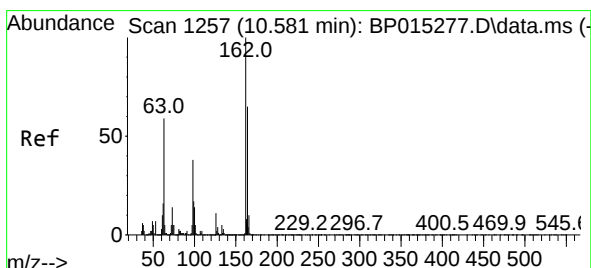
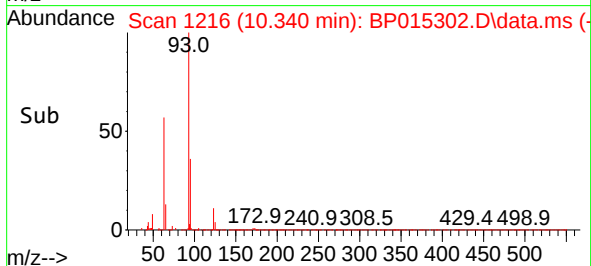
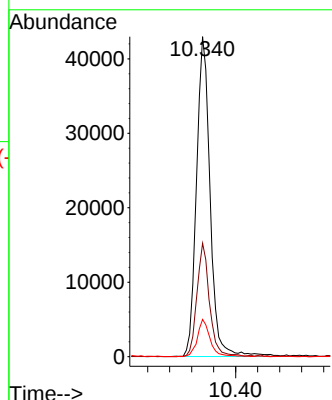
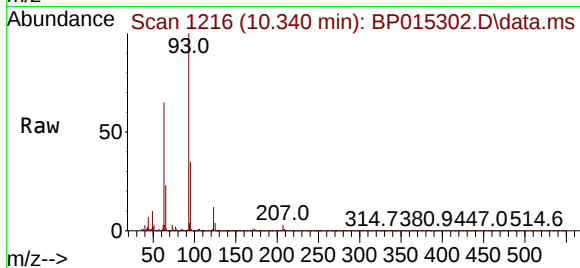




#28
bis(2-Chloroethoxy)methane
Concen: 4.109 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

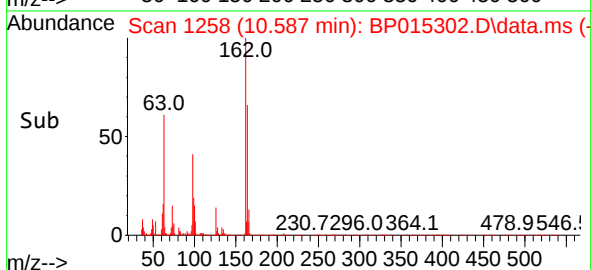
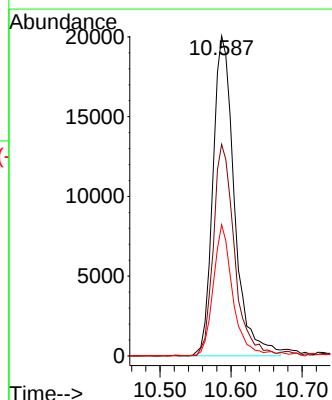
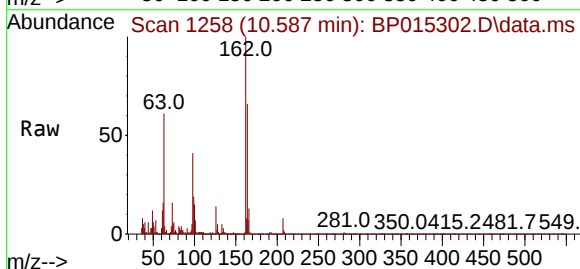
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

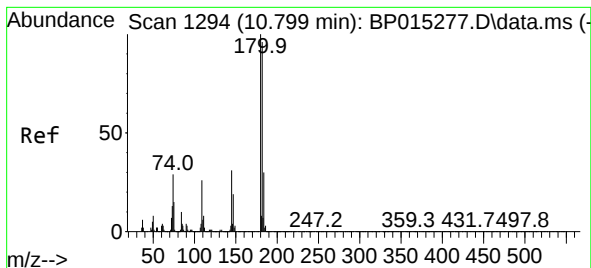
Tgt Ion: 93 Resp: 74211
Ion Ratio Lower Upper
93 100
95 35.4 26.0 39.0
123 11.7 8.4 12.6



#29
2,4-Dichlorophenol
Concen: 3.394 ng
RT: 10.587 min Scan# 1258
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 162 Resp: 42115
Ion Ratio Lower Upper
162 100
164 66.2 45.4 85.4
98 41.0 17.9 57.9





#30

1,2,4-Trichlorobenzene

Concen: 3.955 ng

RT: 10.799 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

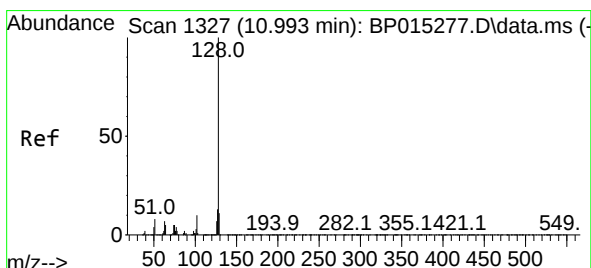
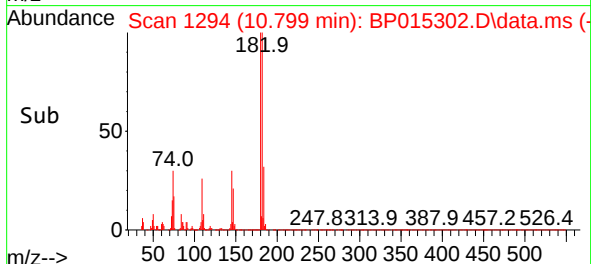
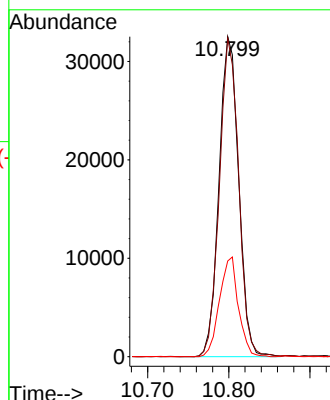
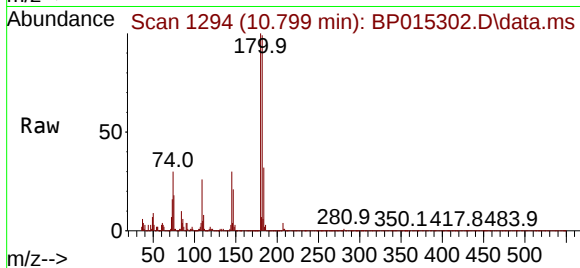
Tgt Ion:180 Resp: 54734

Ion Ratio Lower Upper

180 100

182 99.5 76.6 115.0

145 29.9 24.9 37.3



#31

Naphthalene

Concen: 3.990 ng

RT: 10.993 min Scan# 1327

Delta R.T. -0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

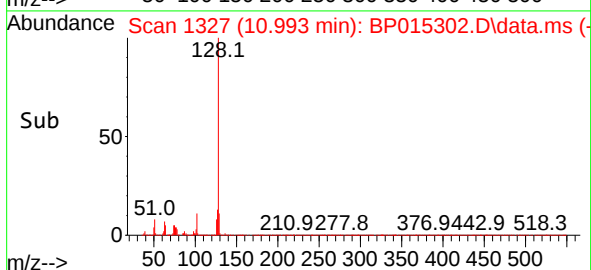
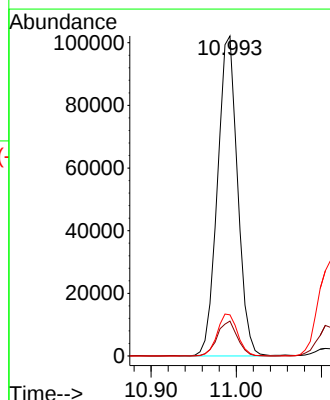
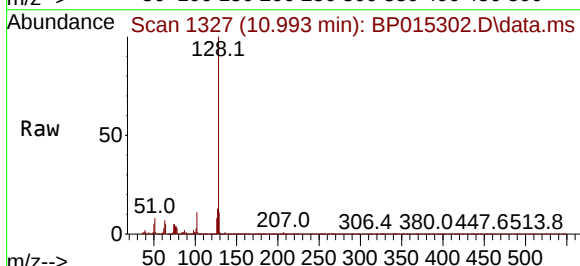
Tgt Ion:128 Resp: 167536

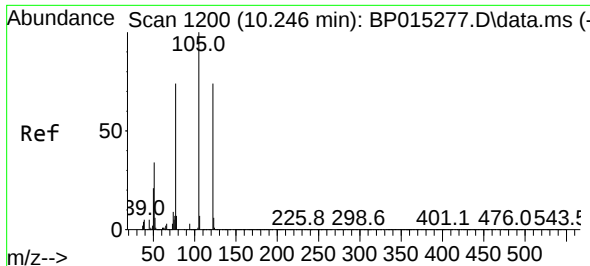
Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.9 10.4 15.6

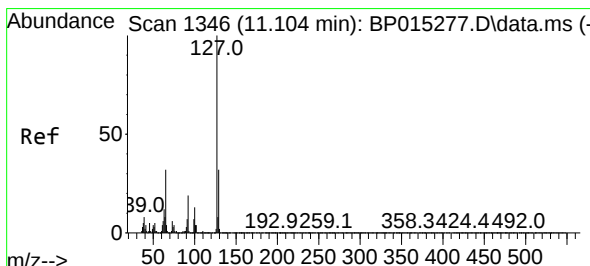
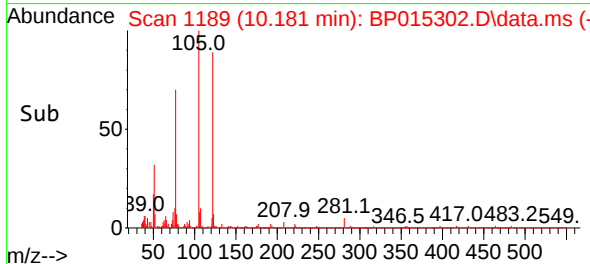
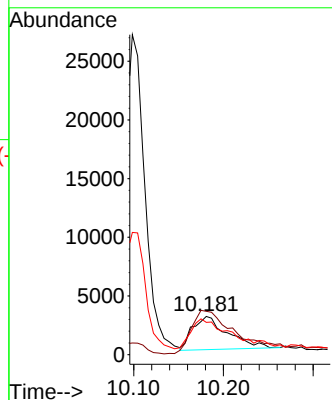
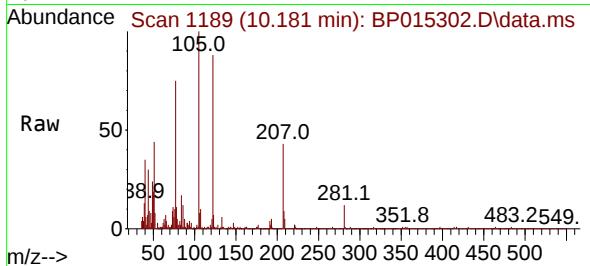




#32
Benzoic acid
Concen: 7.052 ng
RT: 10.181 min Scan# 1189
Delta R.T. -0.065 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

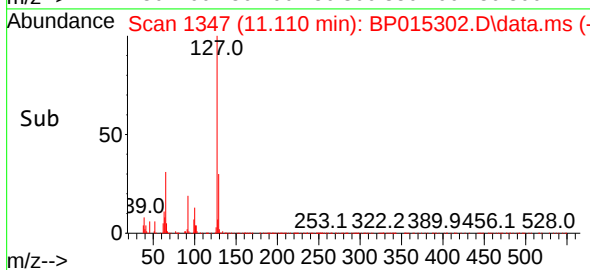
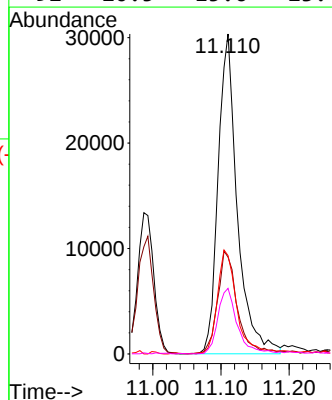
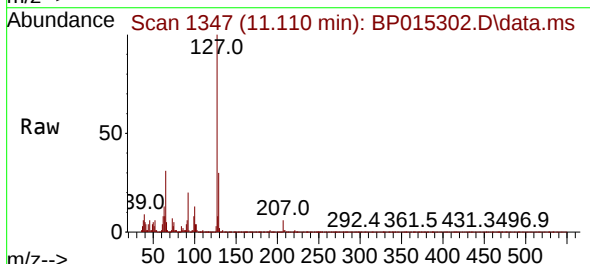
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

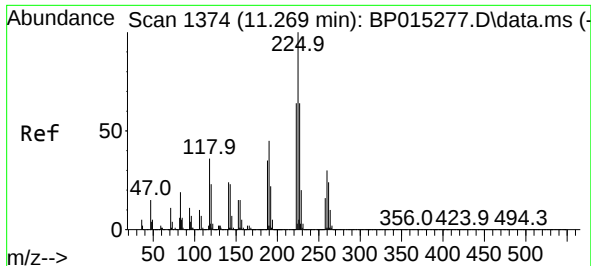
Tgt Ion:122 Resp: 7747
Ion Ratio Lower Upper
122 100
105 113.3 109.5 149.5
77 84.4 78.2 118.2



#33
4-Chloroaniline
Concen: 3.427 ng
RT: 11.110 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:127 Resp: 59498
Ion Ratio Lower Upper
127 100
129 30.2 25.5 38.3
65 30.7 25.3 37.9
92 20.5 15.6 23.4

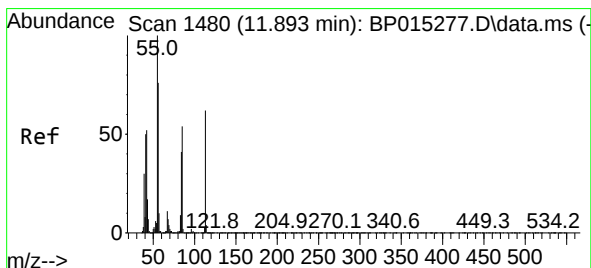
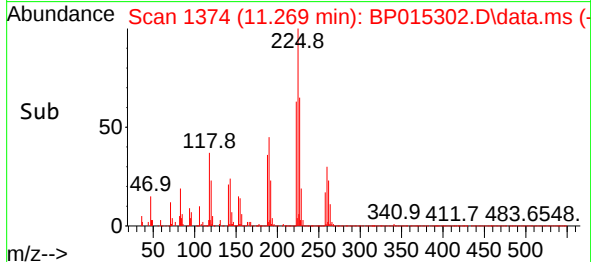
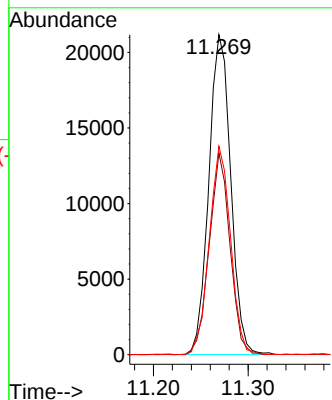
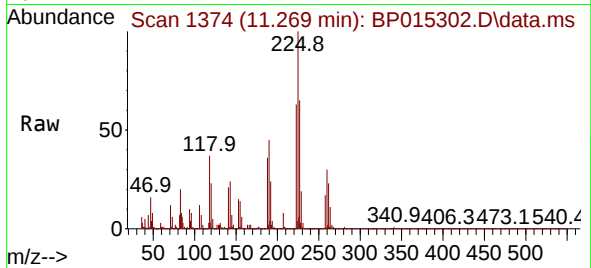




#34
Hexachlorobutadiene
Concen: 3.871 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

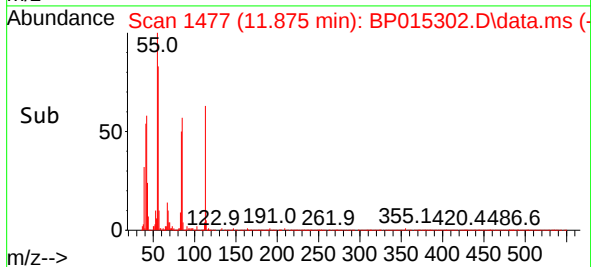
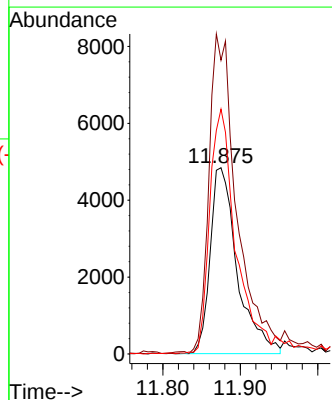
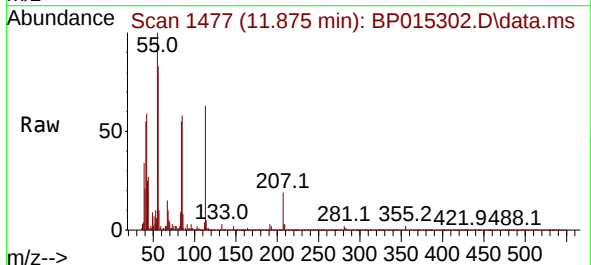
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

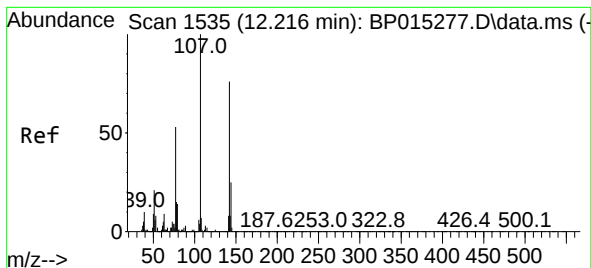
Tgt Ion:225 Resp: 33941
Ion Ratio Lower Upper
225 100
223 63.1 51.0 76.4
227 65.2 51.4 77.2



#35
Caprolactam
Concen: 3.081 ng
RT: 11.875 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:113 Resp: 11735
Ion Ratio Lower Upper
113 100
55 157.7 141.4 181.4
56 131.4 102.5 142.5





#36

4-Chloro-3-methylphenol

Concen: 3.487 ng

RT: 12.216 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

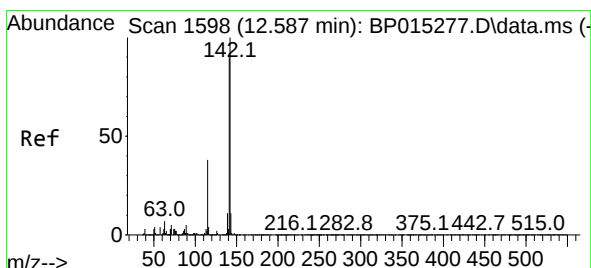
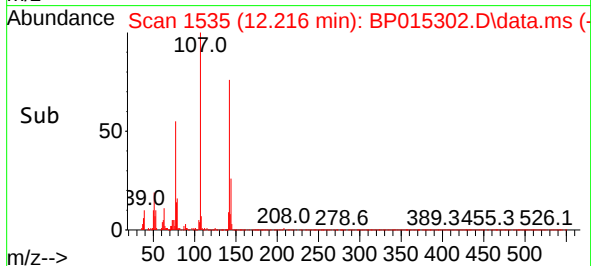
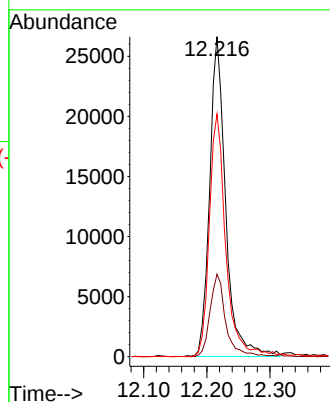
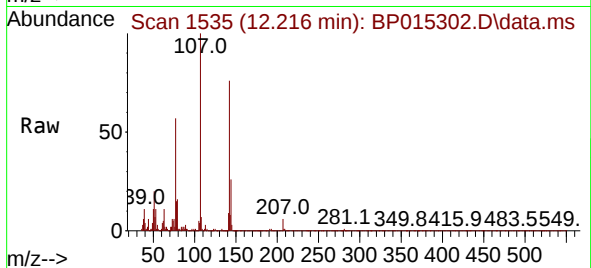
Tgt Ion:107 Resp: 47044

Ion Ratio Lower Upper

107 100

144 25.8 19.8 29.6

142 75.8 61.0 91.4



#37

2-Methylnaphthalene

Concen: 3.956 ng

RT: 12.593 min Scan# 1599

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

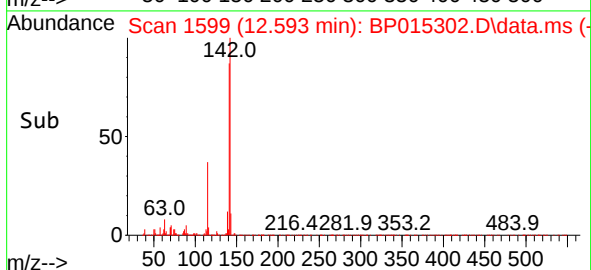
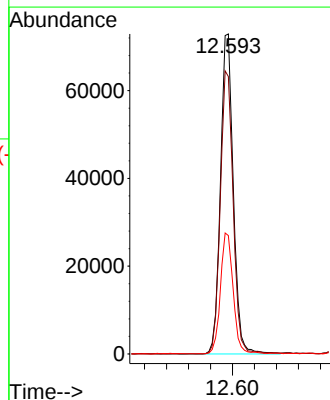
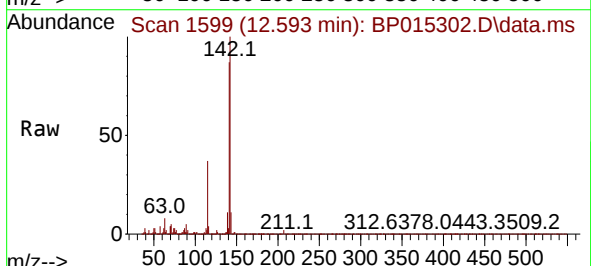
Tgt Ion:142 Resp: 118066

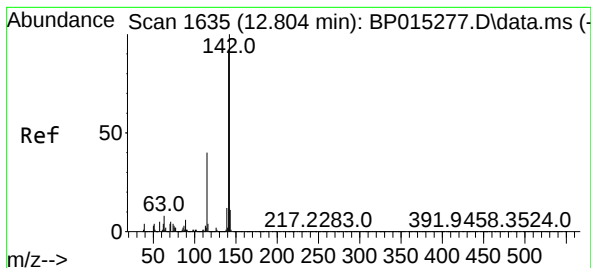
Ion Ratio Lower Upper

142 100

141 86.7 72.0 108.0

115 37.0 30.6 46.0





#38

1-Methylnaphthalene

Concen: 3.936 ng

RT: 12.804 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

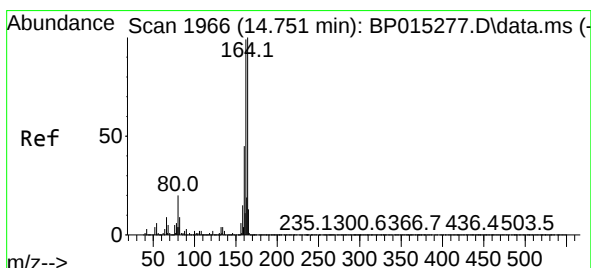
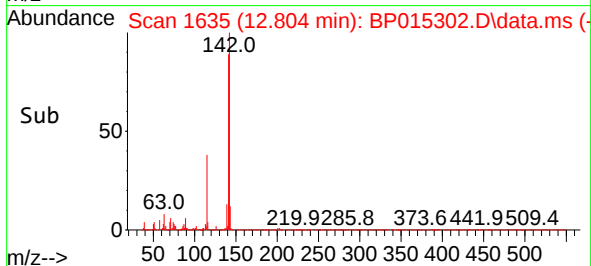
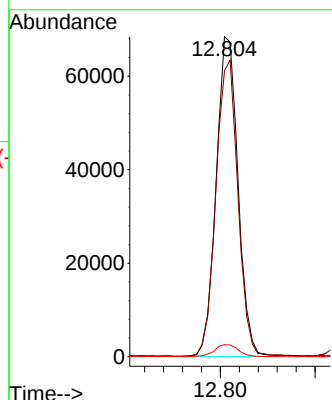
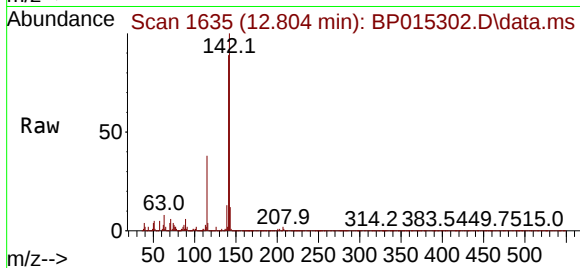
Tgt Ion:142 Resp: 109598

Ion Ratio Lower Upper

142 100

141 89.4 73.8 110.6

116 3.8 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: BP015302.D

Acq: 26 May 2023 10:38

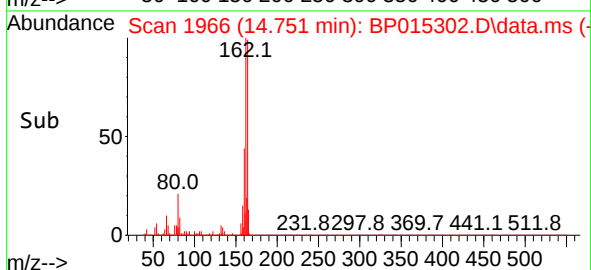
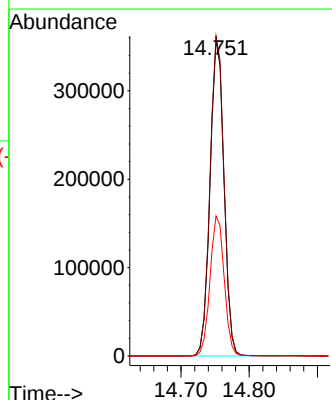
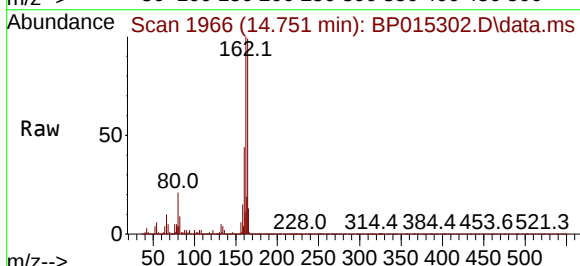
Tgt Ion:164 Resp: 507726

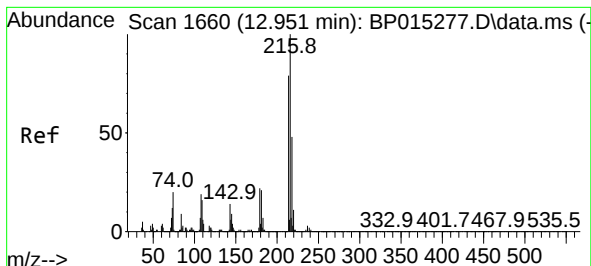
Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.2

160 44.3 35.6 53.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.868 ng

RT: 12.951 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:216 Resp: 64446

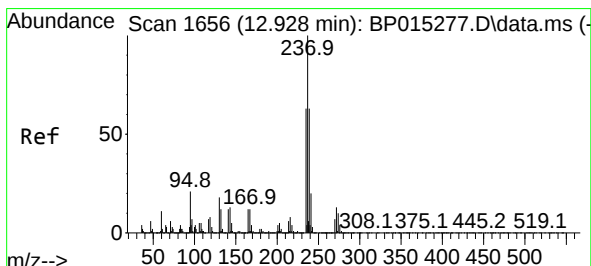
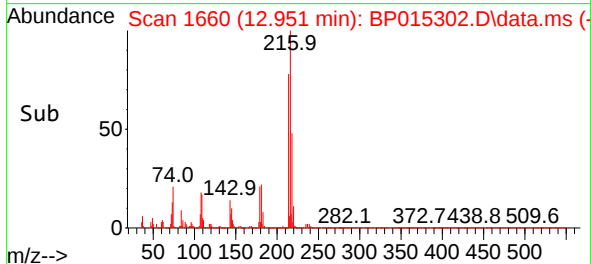
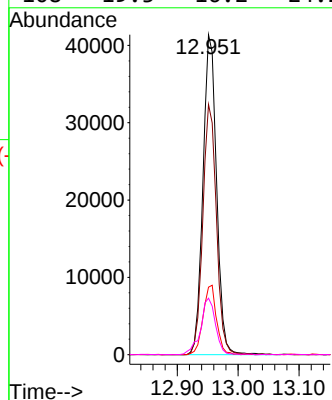
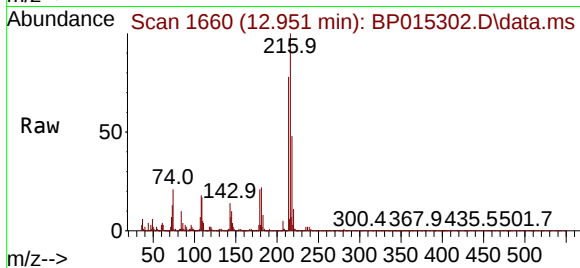
Ion Ratio Lower Upper

216 100

214 78.1 63.0 94.4

179 21.5 17.3 25.9

108 19.3 16.2 24.2



#41

Hexachlorocyclopentadiene

Concen: 3.211 ng

RT: 12.928 min Scan# 1656

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

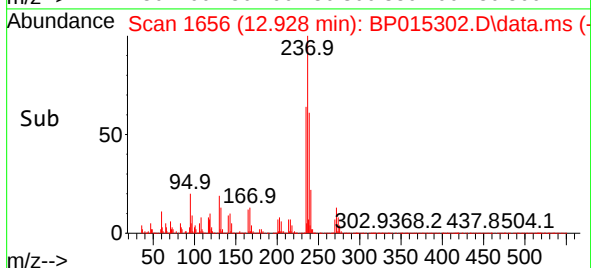
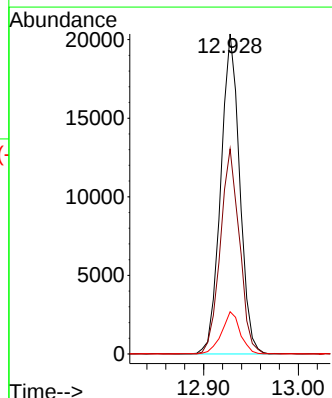
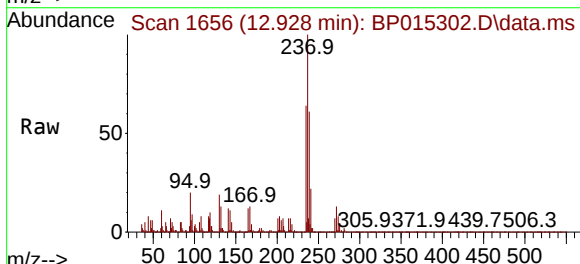
Tgt Ion:237 Resp: 28338

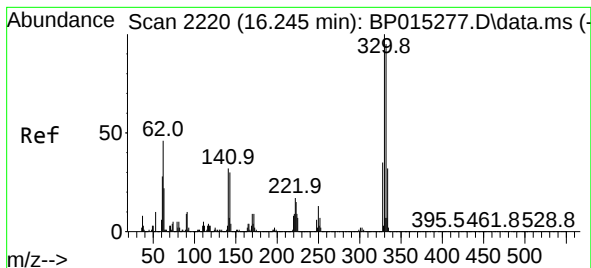
Ion Ratio Lower Upper

237 100

235 64.1 43.2 83.2

272 13.2 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 109.026 ng

RT: 16.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

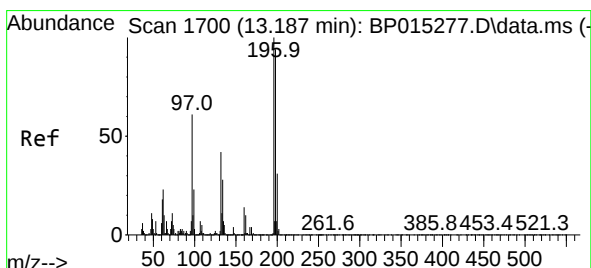
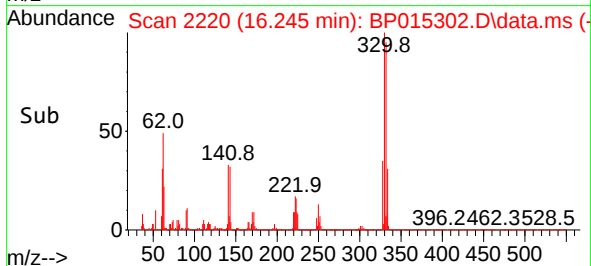
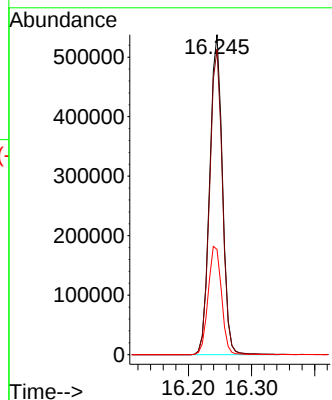
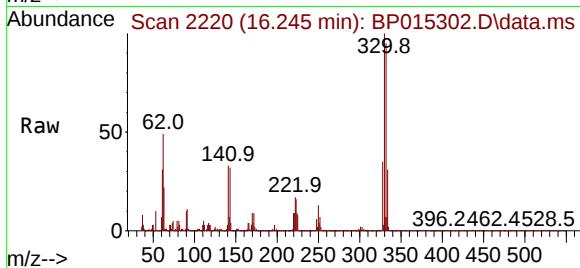
Tgt Ion:330 Resp: 752241

Ion Ratio Lower Upper

330 100

332 95.9 76.3 114.5

141 35.7 27.8 41.8



#43

2,4,6-Trichlorophenol

Concen: 3.232 ng

RT: 13.193 min Scan# 1701

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

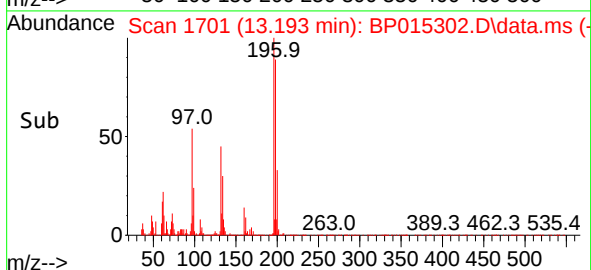
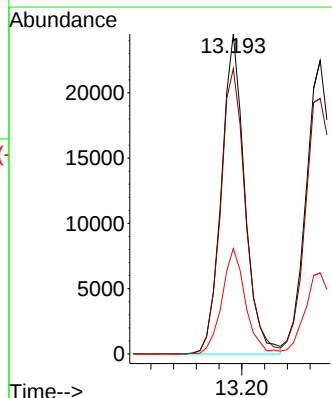
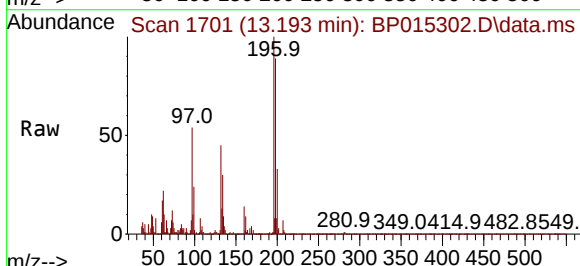
Tgt Ion:196 Resp: 34946

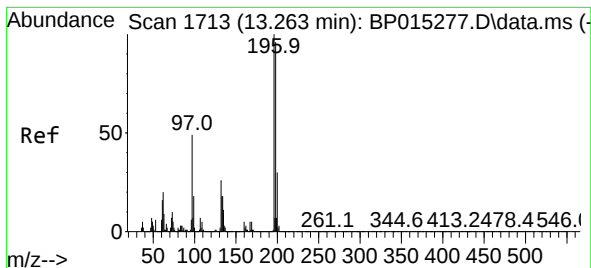
Ion Ratio Lower Upper

196 100

198 89.1 75.0 112.4

200 33.0 24.4 36.6





#44

2,4,5-Trichlorophenol

Concen: 2.984 ng

RT: 13.269 min Scan# 1713

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:196 Resp: 37938

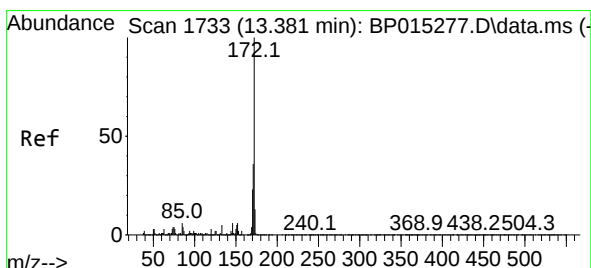
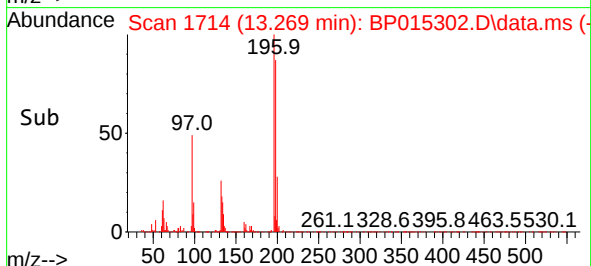
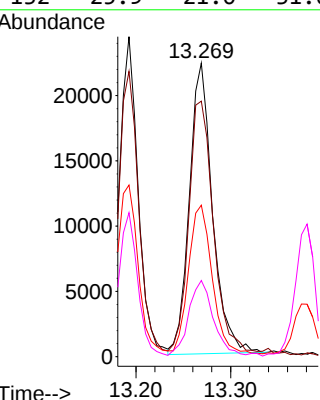
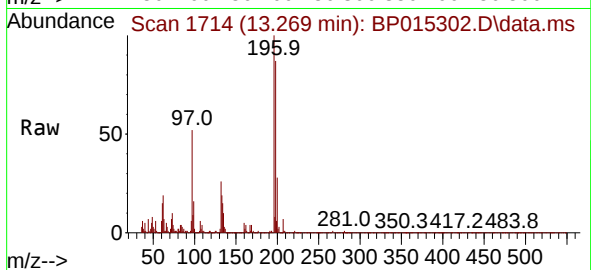
Ion Ratio Lower Upper

196 100

198 87.0 76.8 115.2

97 51.6 39.3 58.9

132 25.9 21.0 31.6



#45

2-Fluorobiphenyl

Concen: 76.318 ng

RT: 13.381 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

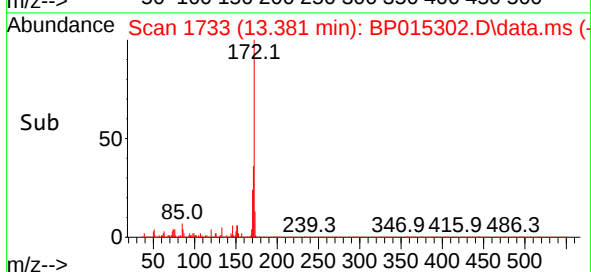
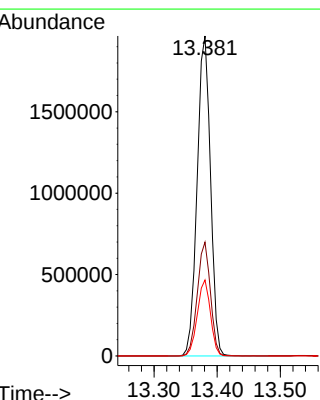
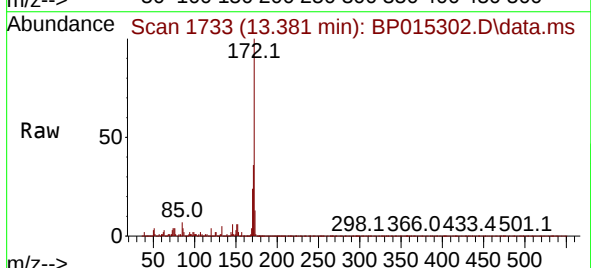
Tgt Ion:172 Resp: 2886203

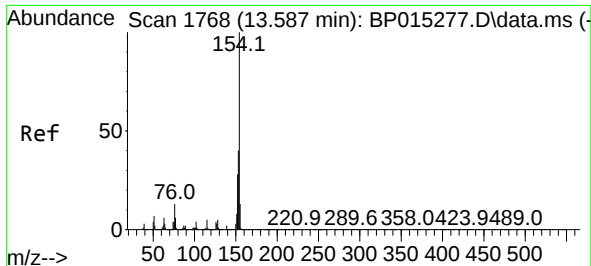
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.7 18.7 28.1

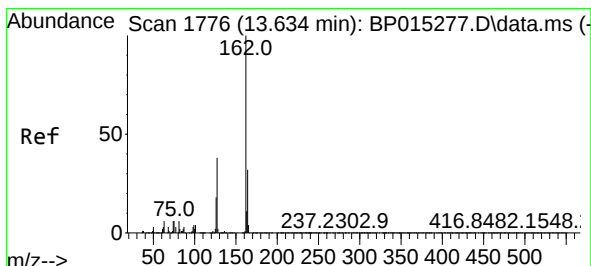
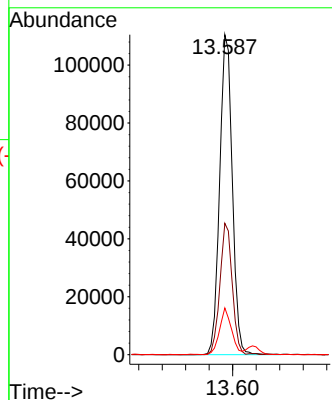
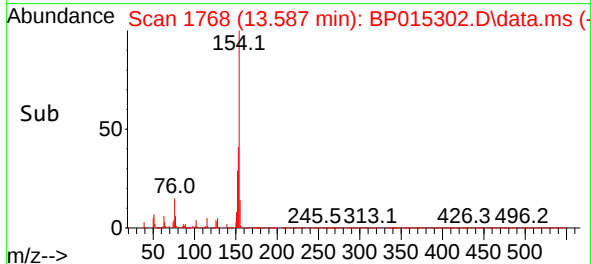
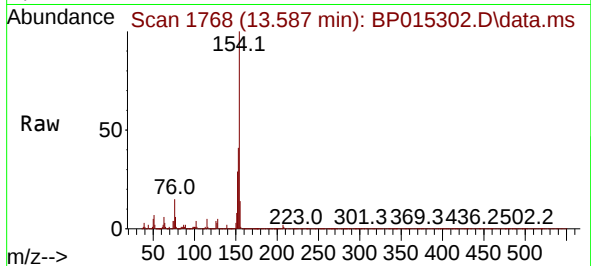




#46
1,1'-Biphenyl
Concen: 4.103 ng
RT: 13.587 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

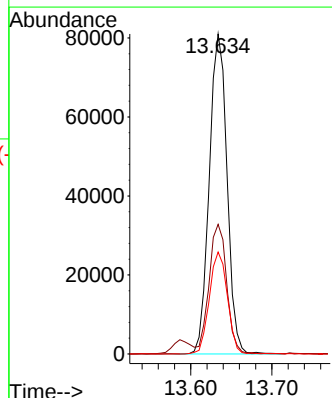
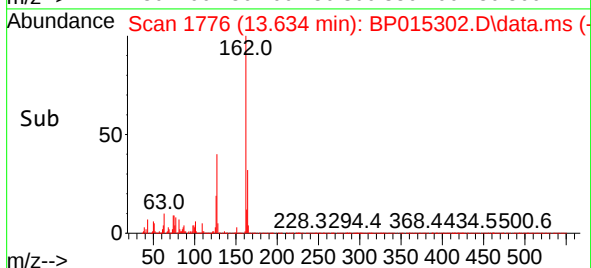
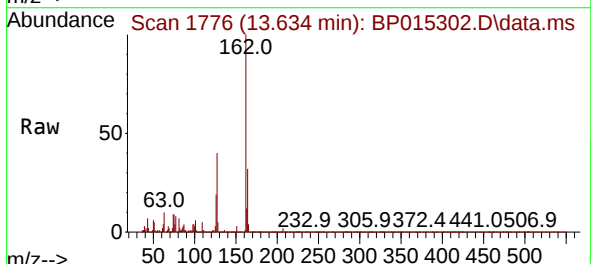
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

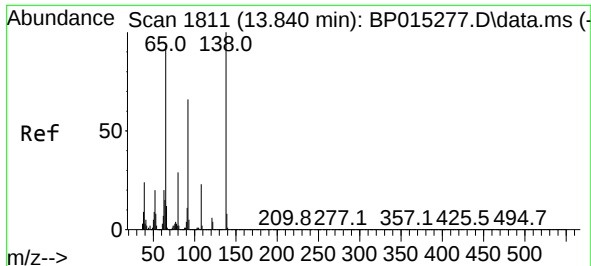
Tgt Ion:154 Resp: 165072
Ion Ratio Lower Upper
154 100
153 41.1 20.3 60.3
76 14.6 0.0 33.1



#47
2-Chloronaphthalene
Concen: 4.054 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:162 Resp: 123038
Ion Ratio Lower Upper
162 100
127 40.5 31.7 47.5
164 31.9 25.8 38.8

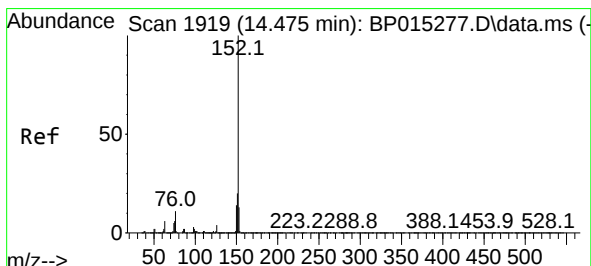
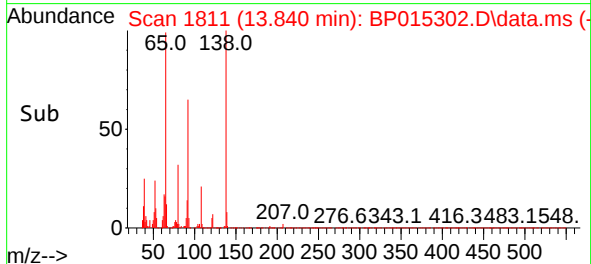
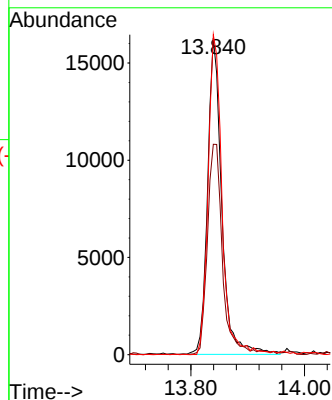
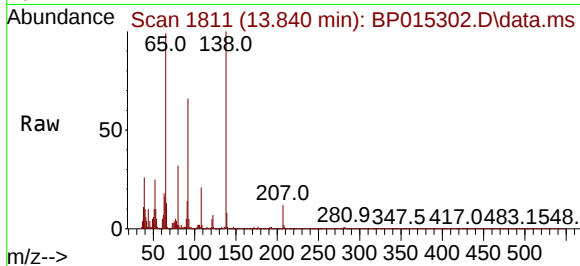




#48
2-Nitroaniline
Concen: 3.021 ng
RT: 13.840 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

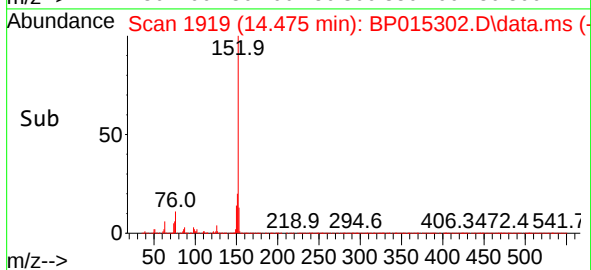
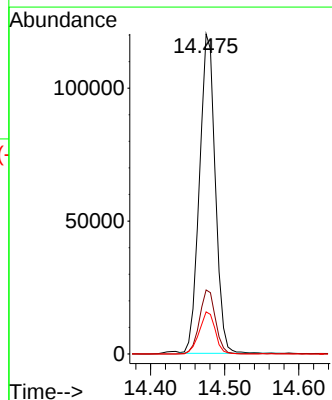
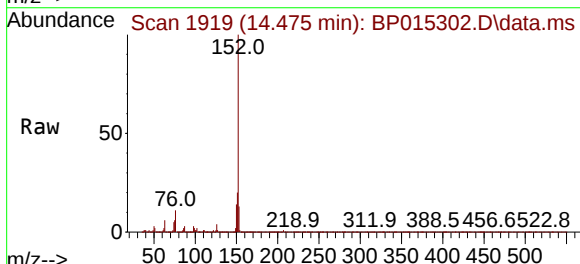
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

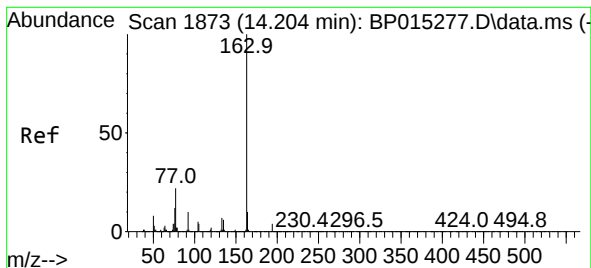
Tgt Ion:	65	Resp:	28008
Ion Ratio	Lower	Upper	
65	100		
92	66.5	56.5	84.7
138	101.1	85.7	128.5



#49
Acenaphthylene
Concen: 3.674 ng
RT: 14.475 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:	152	Resp:	178404
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	16.0





#50

Dimethylphthalate

Concen: 3.847 ng

RT: 14.204 min Scan# 1873

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

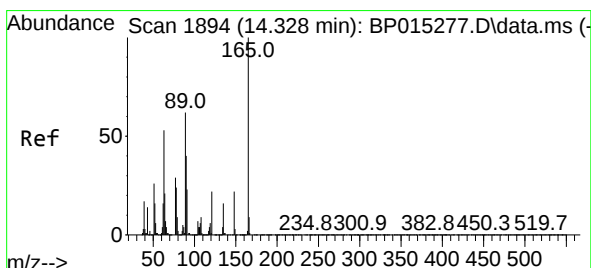
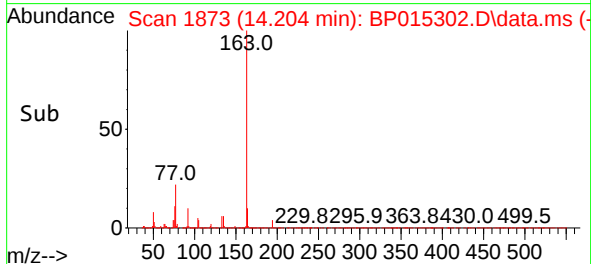
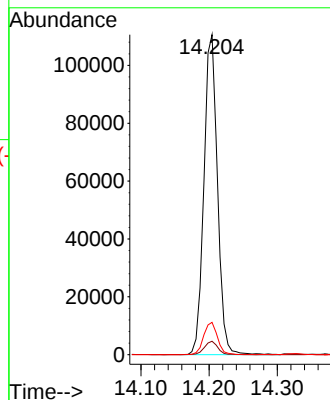
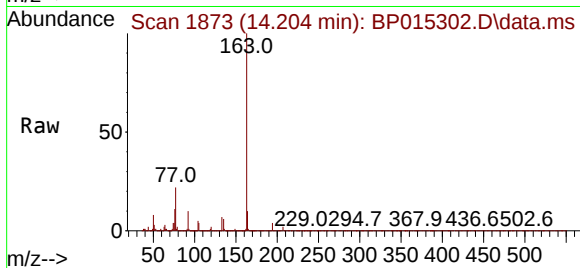
Tgt Ion:163 Resp: 152821

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.1 8.2 12.4



#51

2,6-Dinitrotoluene

Concen: 3.437 ng

RT: 14.328 min Scan# 1894

Delta R.T. -0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

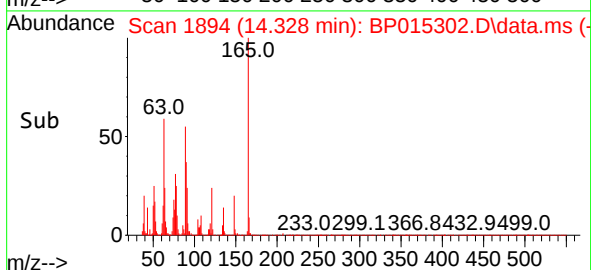
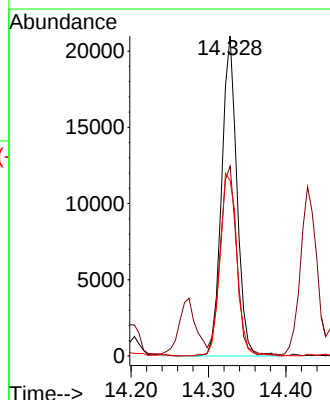
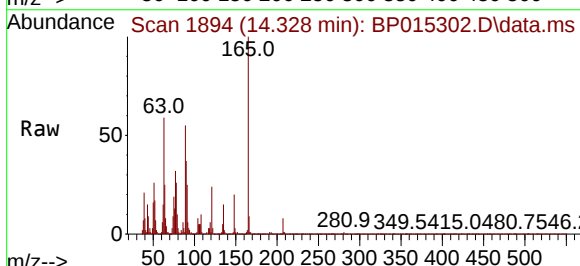
Tgt Ion:165 Resp: 28827

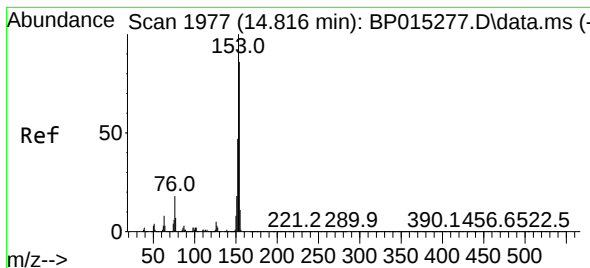
Ion Ratio Lower Upper

165 100

63 59.3 46.6 70.0

89 54.8 49.7 74.5





#52

Acenaphthene

Concen: 3.990 ng

RT: 14.816 min Scan# 1977

Delta R.T. -0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

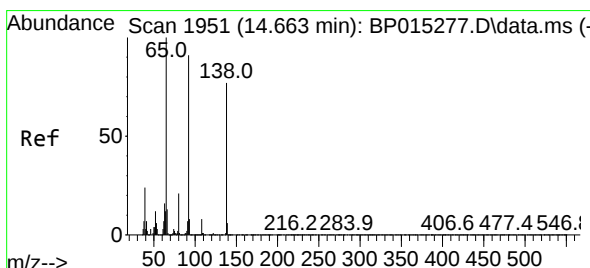
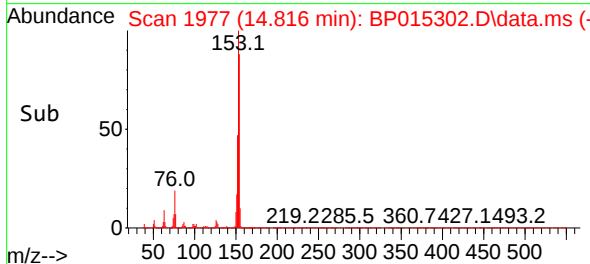
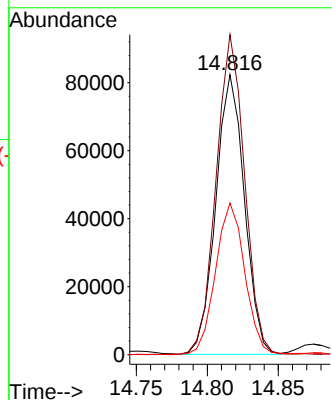
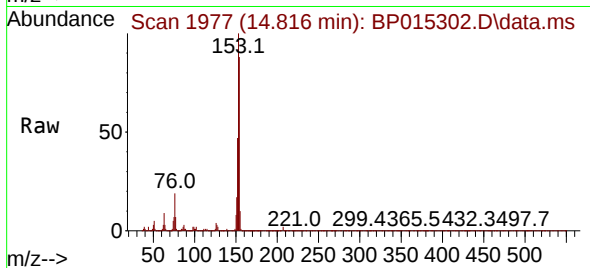
Tgt Ion:154 Resp: 115402

Ion Ratio Lower Upper

154 100

153 114.3 92.8 139.2

152 54.2 44.0 66.0



#53

3-Nitroaniline

Concen: 2.873 ng

RT: 14.663 min Scan# 1951

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

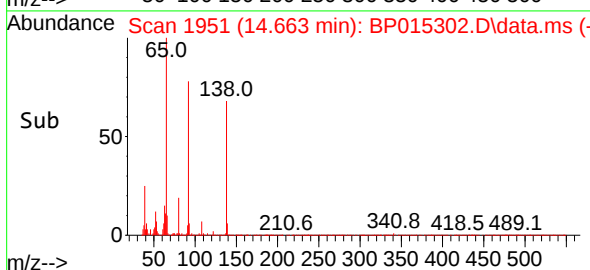
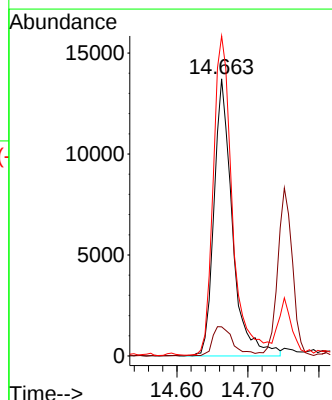
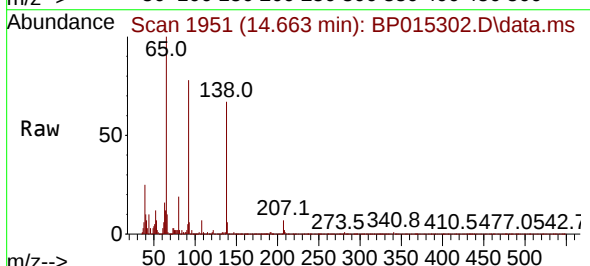
Tgt Ion:138 Resp: 24625

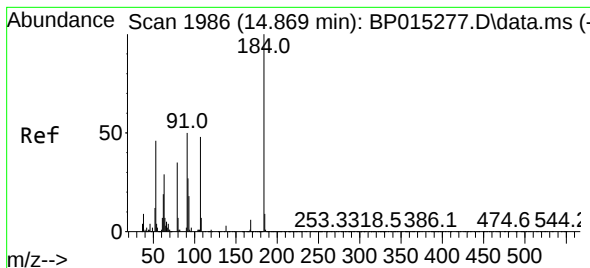
Ion Ratio Lower Upper

138 100

108 10.5 8.6 13.0

92 115.5 94.0 141.0





#54

2,4-Dinitrophenol

Concen: 6.748 ng

RT: 14.875 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

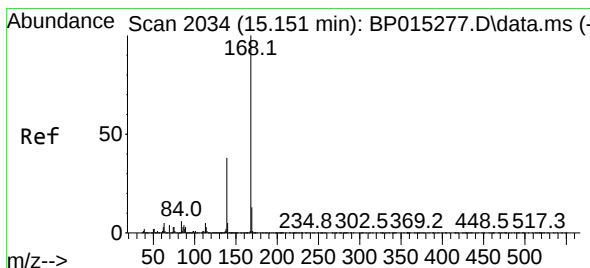
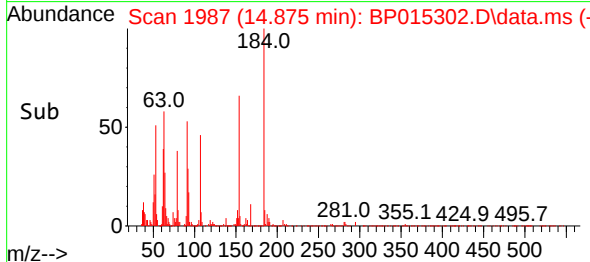
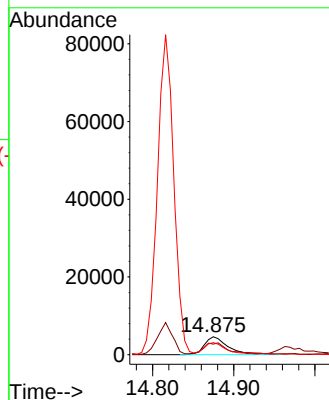
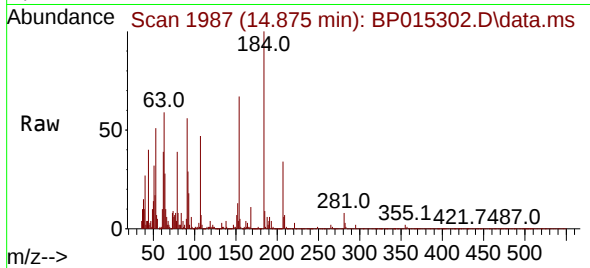
Tgt Ion:184 Resp: 9420

Ion Ratio Lower Upper

184 100

63 59.0 56.2 84.4

154 66.8 53.2 79.8



#55

Dibenzofuran

Concen: 3.971 ng

RT: 15.151 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

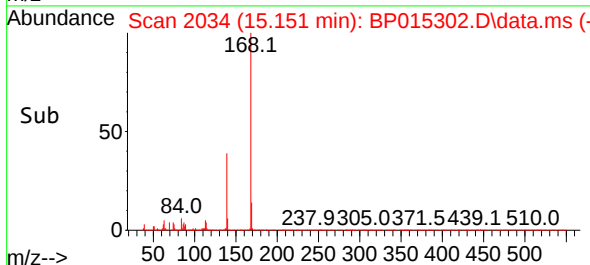
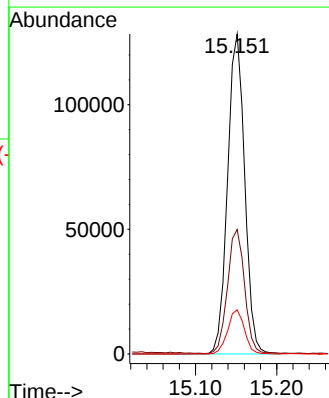
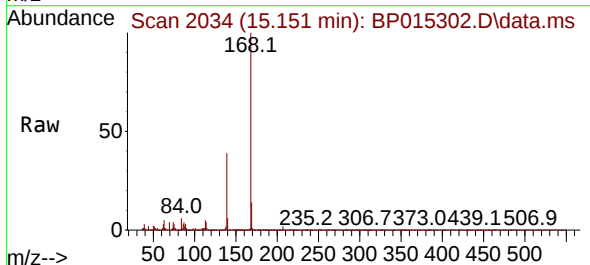
Tgt Ion:168 Resp: 187850

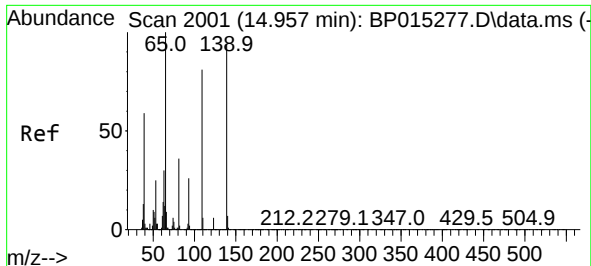
Ion Ratio Lower Upper

168 100

139 38.9 30.1 45.1

169 13.8 10.6 15.8

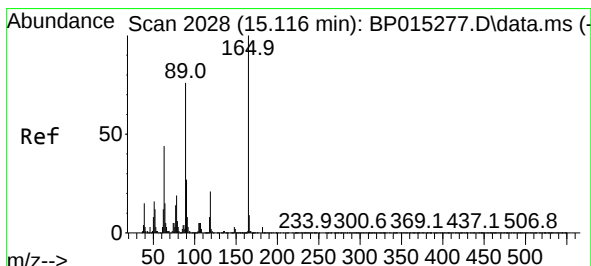
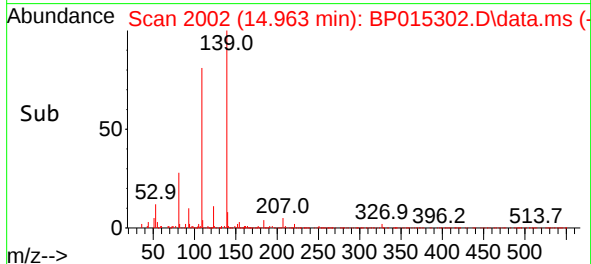
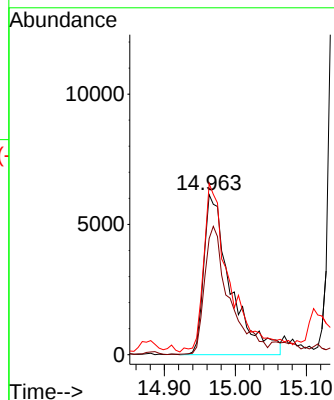
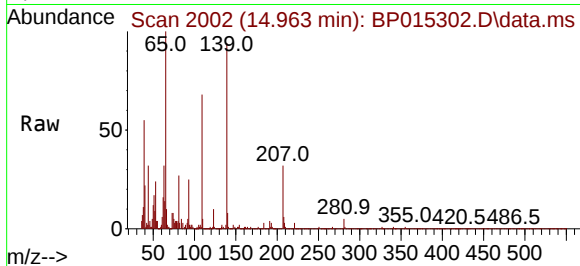




#56
4-Nitrophenol
Concen: 5.482 ng
RT: 14.963 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

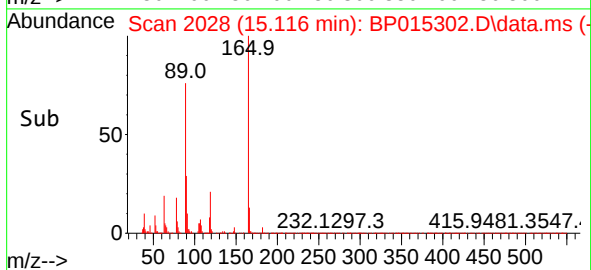
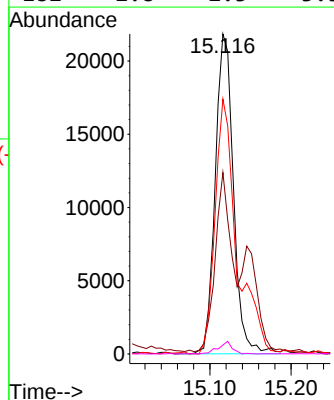
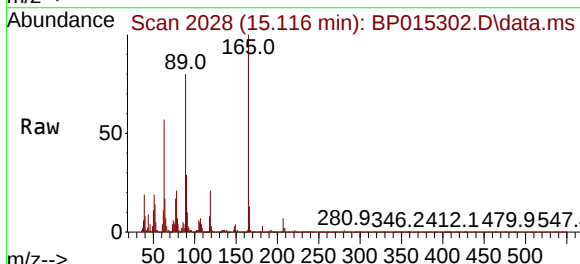
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

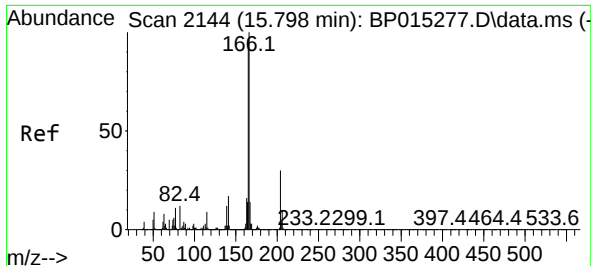
Tgt Ion:139 Resp: 16156
Ion Ratio Lower Upper
139 100
109 72.7 66.5 106.5
65 106.9 86.6 126.6



#57
2,4-Dinitrotoluene
Concen: 3.076 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:165 Resp: 33919
Ion Ratio Lower Upper
165 100
63 56.7 35.7 53.5#
89 79.6 60.8 91.2
182 2.8 2.3 3.5

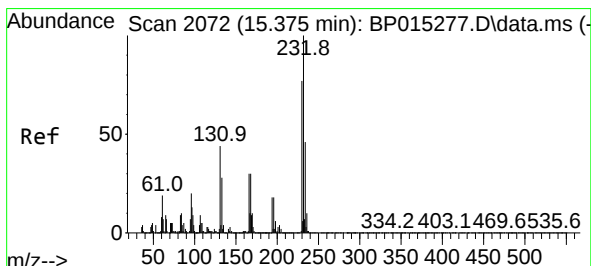
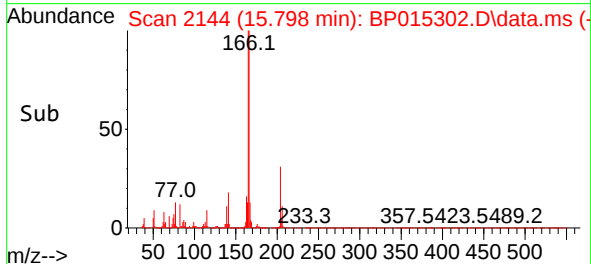
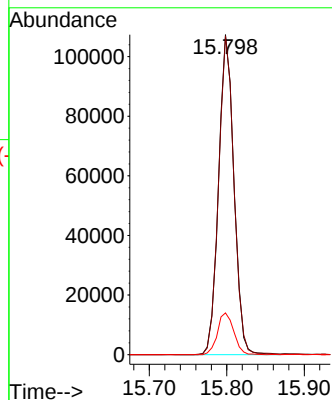
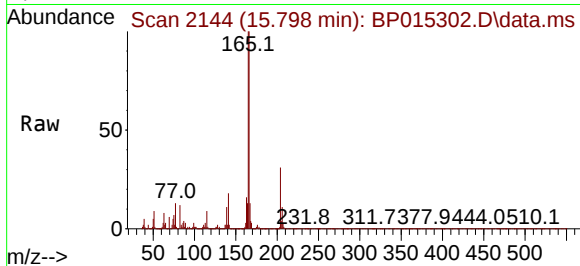




#58
Fluorene
Concen: 4.038 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

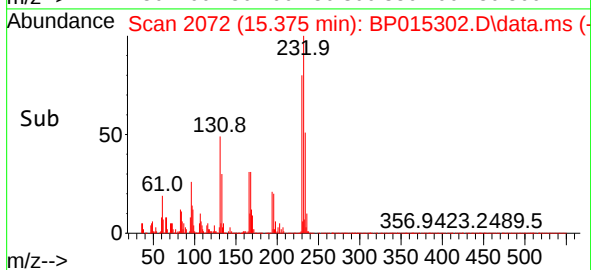
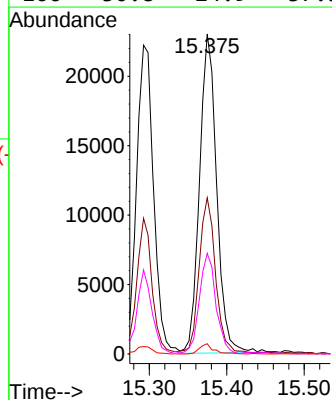
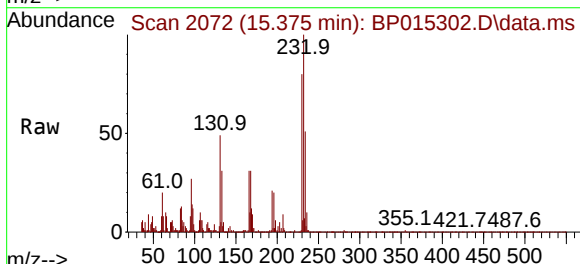
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

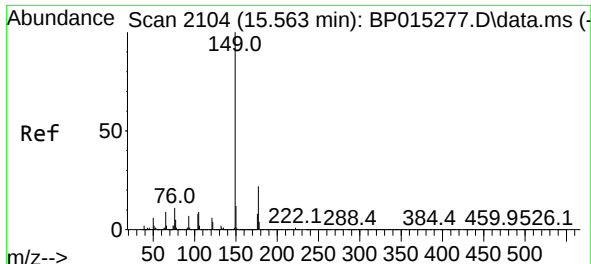
Tgt Ion:166 Resp: 147555
Ion Ratio Lower Upper
166 100
165 99.7 77.5 116.3
167 13.1 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 3.483 ng
RT: 15.375 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:232 Resp: 35413
Ion Ratio Lower Upper
232 100
131 47.2 36.2 54.2
130 2.6 2.0 3.0
166 30.8 24.9 37.3

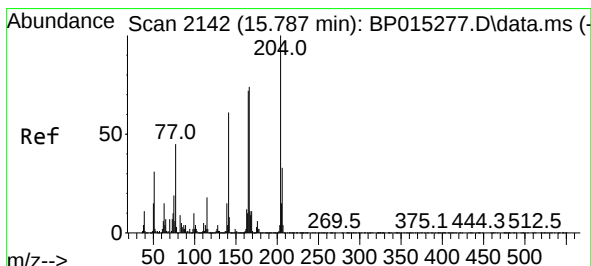
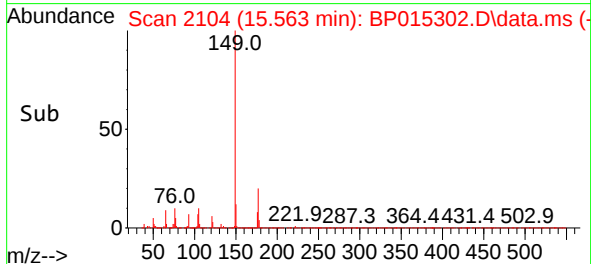
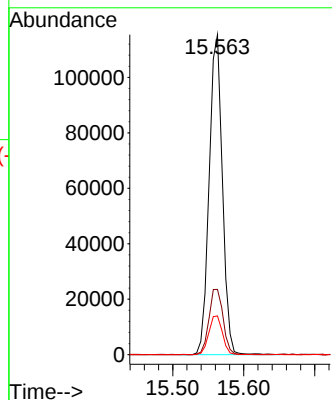
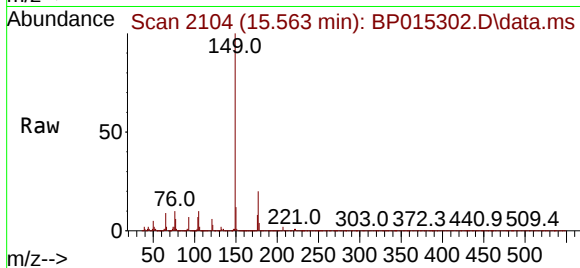




#60
Diethylphthalate
Concen: 3.777 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

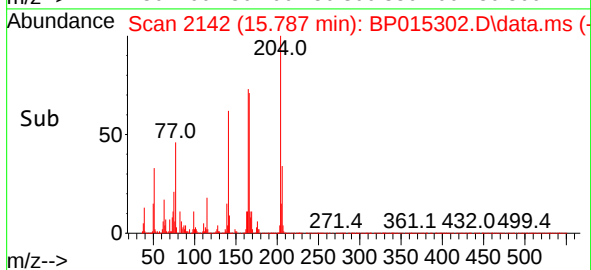
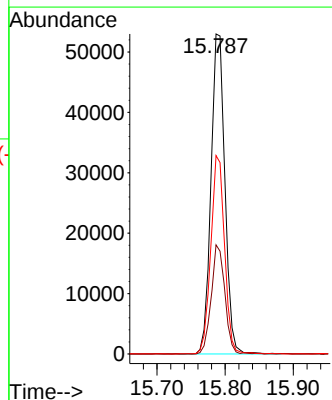
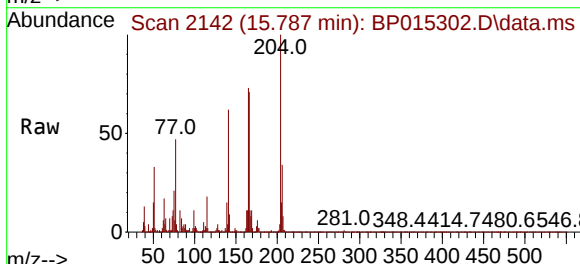
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

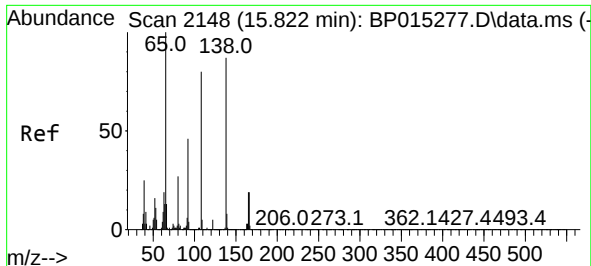
Tgt Ion:149 Resp: 149457
Ion Ratio Lower Upper
149 100
177 20.4 17.7 26.5
150 12.1 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 4.031 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:204 Resp: 75418
Ion Ratio Lower Upper
204 100
206 34.1 26.4 39.6
141 62.0 49.0 73.4

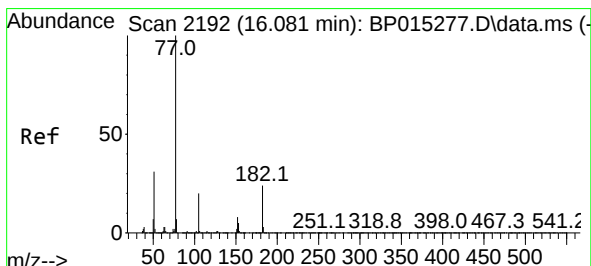
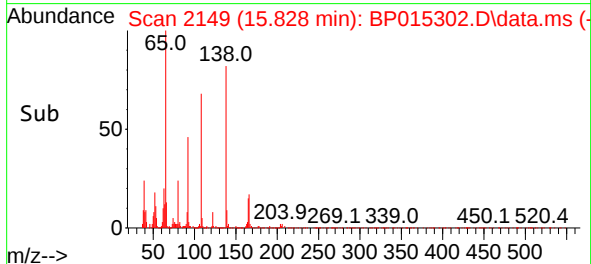
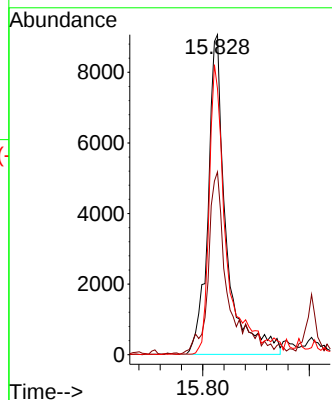
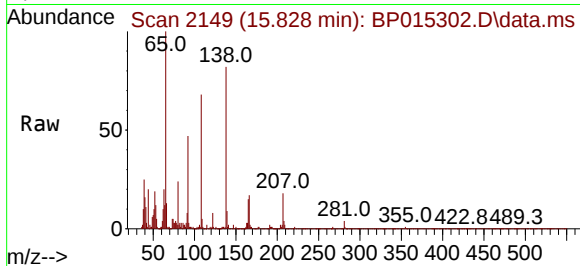




#62
4-Nitroaniline
Concen: 4.527 ng
RT: 15.828 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

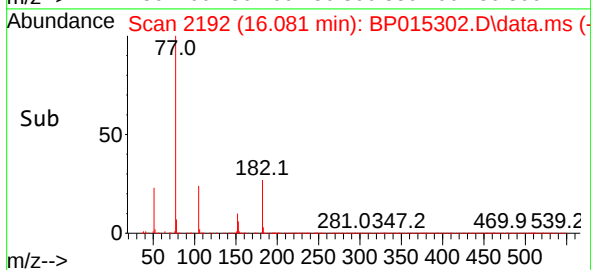
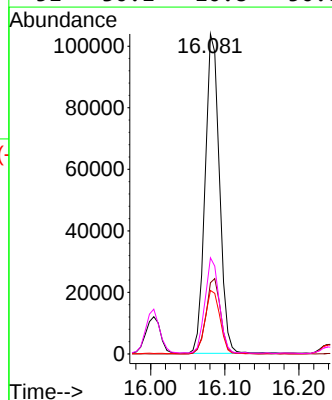
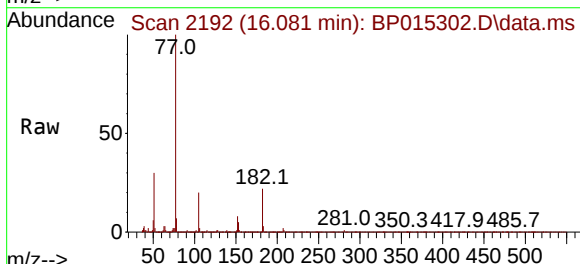
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

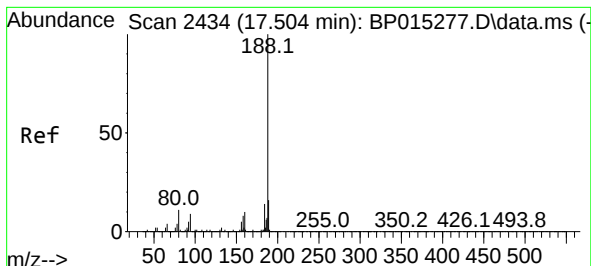
Tgt Ion:	138	Resp:	21512
Ion	Ratio	Lower	Upper
138	100		
92	57.1	33.1	73.1
108	83.2	71.0	111.0



#63
Azobenzene
Concen: 3.695 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:	77	Resp:	139477
Ion	Ratio	Lower	Upper
77	100		
182	22.3	3.9	43.9
105	19.9	0.3	40.3
51	30.1	10.8	50.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.510 min Scan# 2435

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

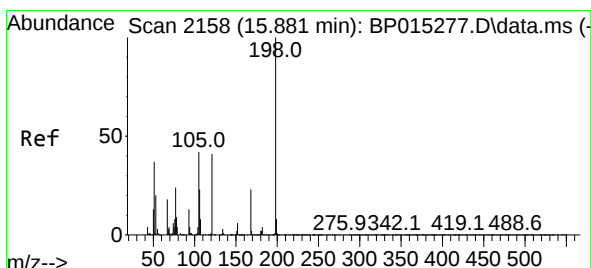
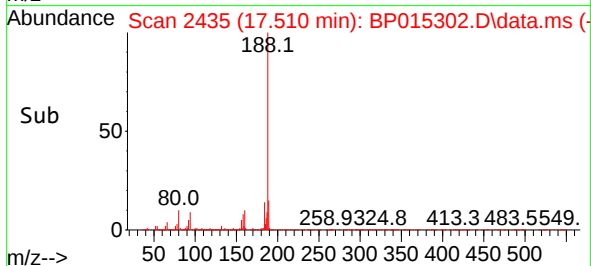
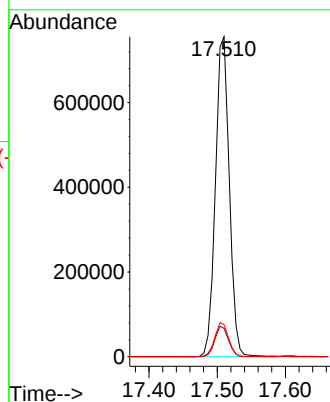
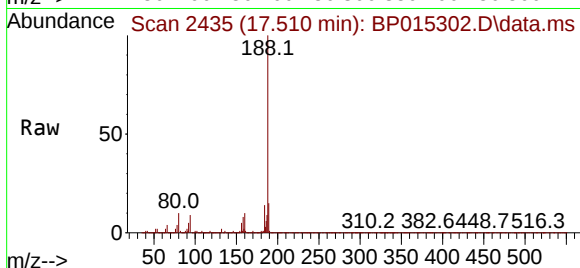
Tgt Ion:188 Resp: 1070642

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.0

80 10.0 8.6 13.0



#65

4,6-Dinitro-2-methylphenol

Concen: 2.486 ng

RT: 15.881 min Scan# 2158

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

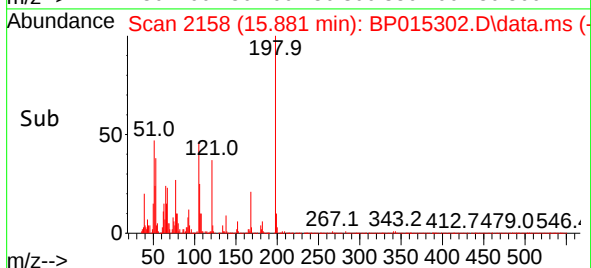
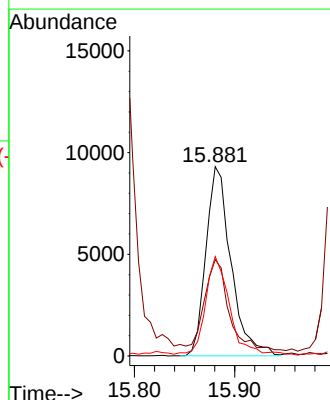
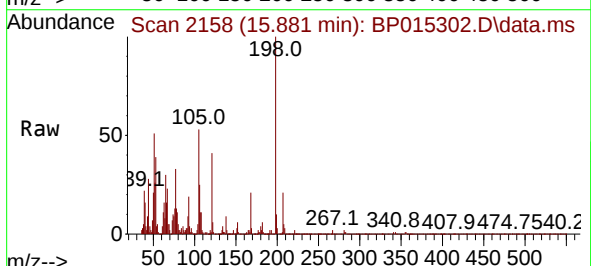
Tgt Ion:198 Resp: 16166

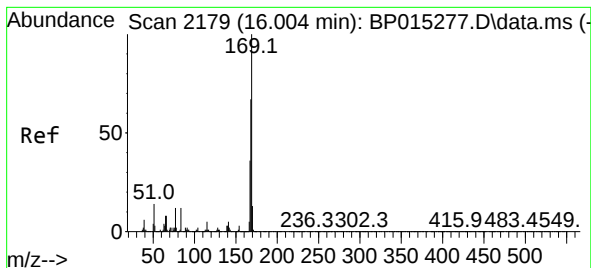
Ion Ratio Lower Upper

198 100

51 50.9 25.4 65.4

105 52.5 23.3 63.3





#66

n-Nitrosodiphenylamine

Concen: 3.881 ng

RT: 16.004 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

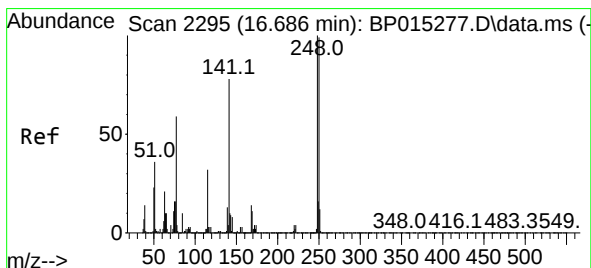
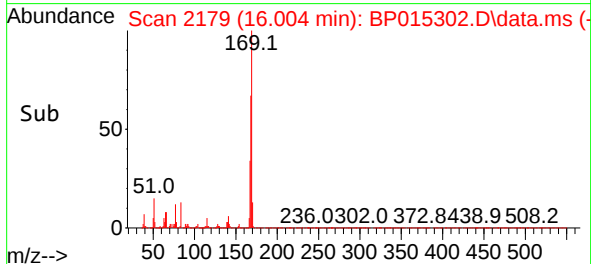
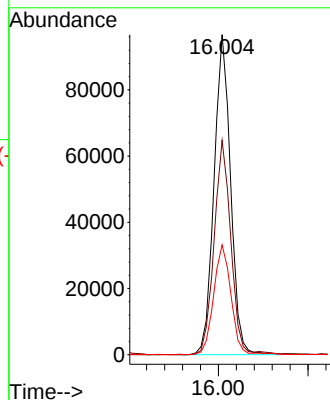
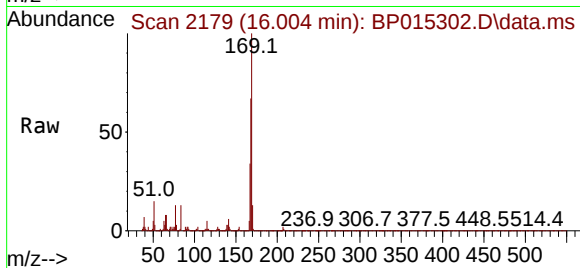
Tgt Ion:169 Resp: 123822

Ion Ratio Lower Upper

169 100

168 66.9 53.4 80.2

167 34.3 29.0 43.6



#67

4-Bromophenyl-phenylether

Concen: 3.702 ng

RT: 16.686 min Scan# 2295

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

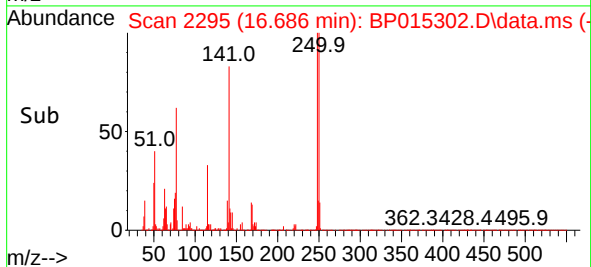
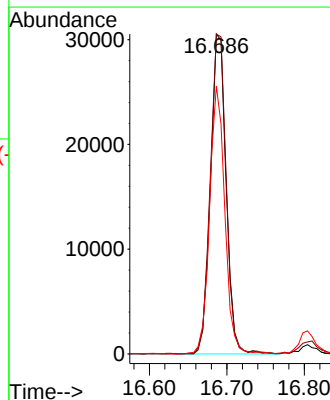
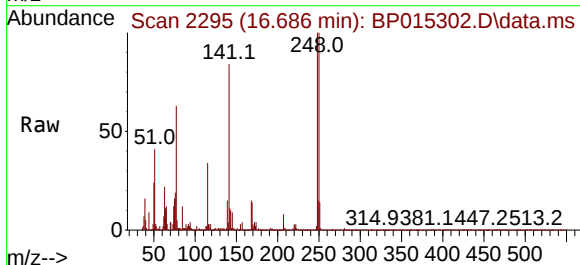
Tgt Ion:248 Resp: 42857

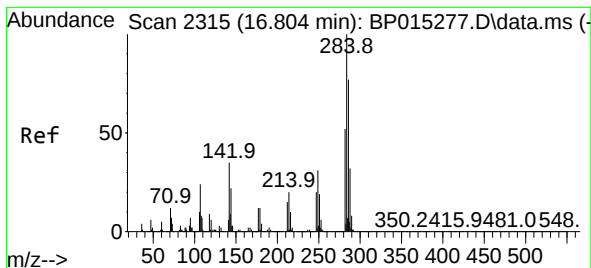
Ion Ratio Lower Upper

248 100

250 100.0 79.0 118.4

141 83.7 62.4 93.6





#68

Hexachlorobenzene

Concen: 4.142 ng

RT: 16.810 min Scan# 2316

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

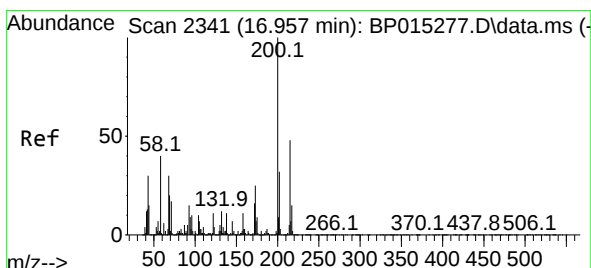
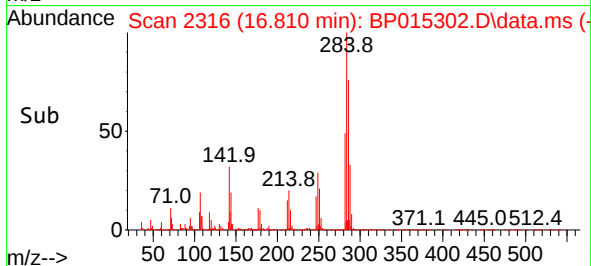
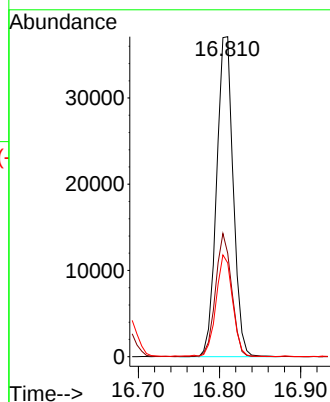
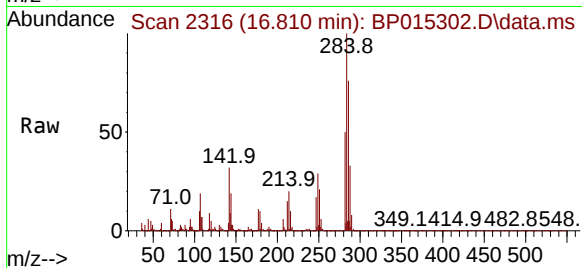
Tgt Ion:284 Resp: 52802

Ion Ratio Lower Upper

284 100

142 32.3 28.2 42.2

249 29.3 25.0 37.6



#69

Atrazine

Concen: 3.901 ng

RT: 16.957 min Scan# 2341

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

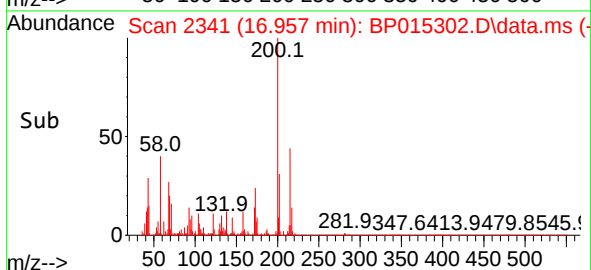
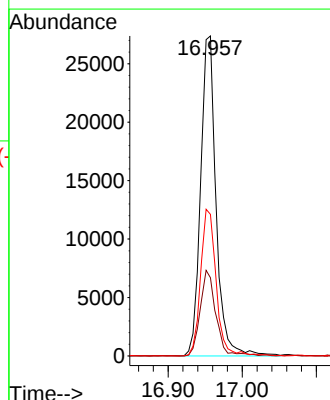
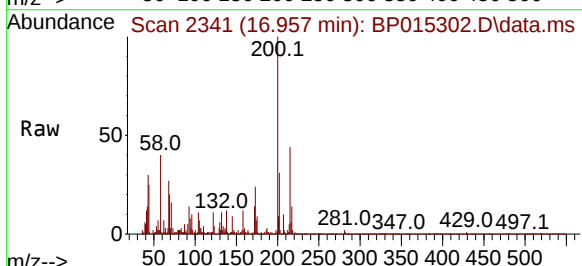
Tgt Ion:200 Resp: 39739

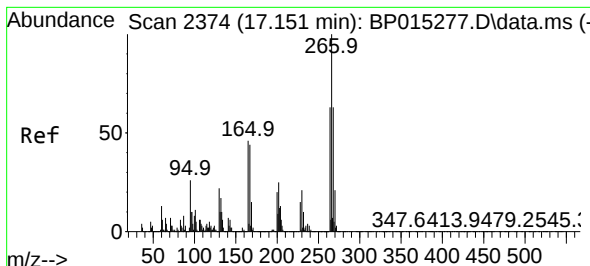
Ion Ratio Lower Upper

200 100

173 24.5 4.7 44.7

215 44.3 27.5 67.5





#70

Pentachlorophenol

Concen: 2.578 ng

RT: 17.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

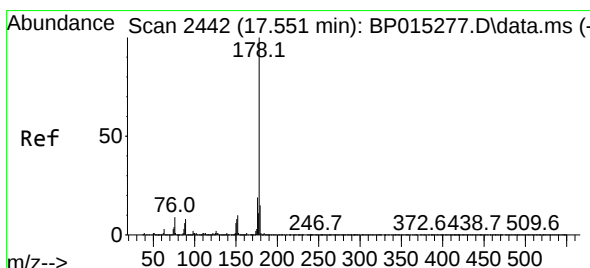
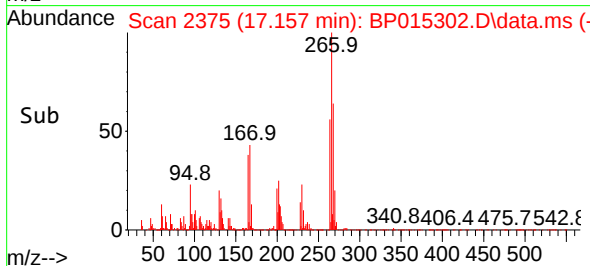
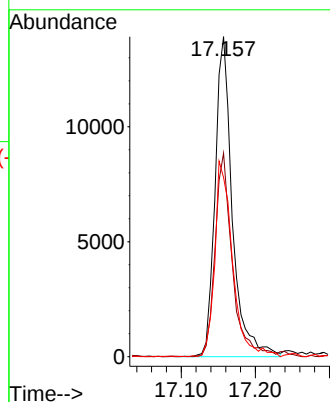
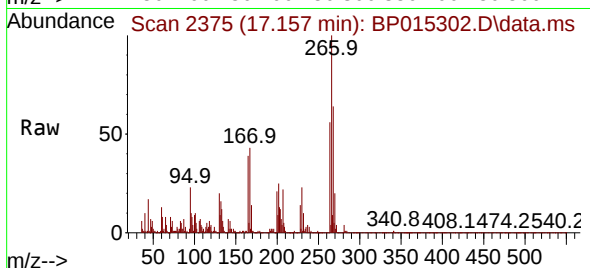
Tgt Ion:266 Resp: 22526

Ion Ratio Lower Upper

266 100

268 63.6 50.0 75.0

264 56.0 50.4 75.6



#71

Phenanthrene

Concen: 4.050 ng

RT: 17.551 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

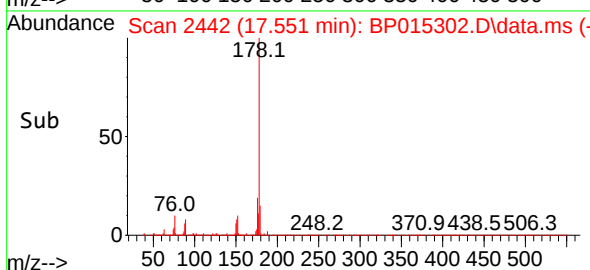
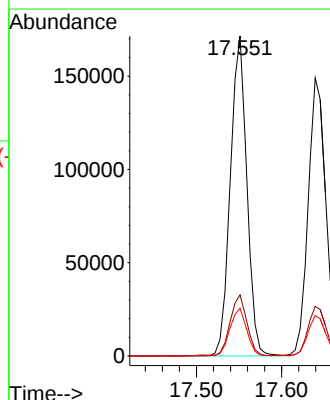
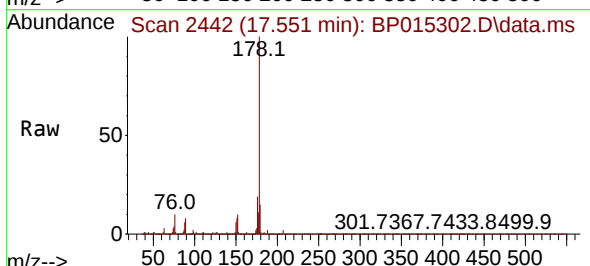
Tgt Ion:178 Resp: 231117

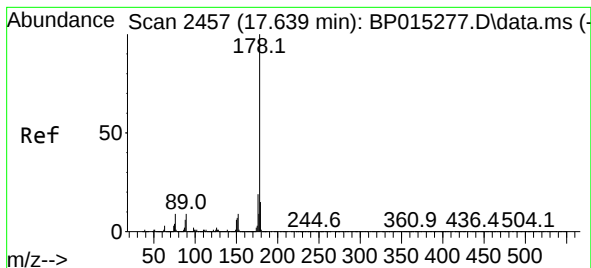
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 14.9 12.3 18.5





#72

Anthracene

Concen: 3.881 ng

RT: 17.639 min Scan# 2457

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

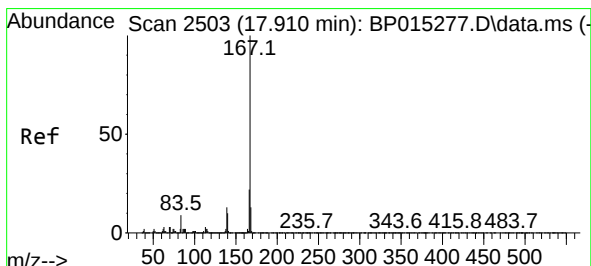
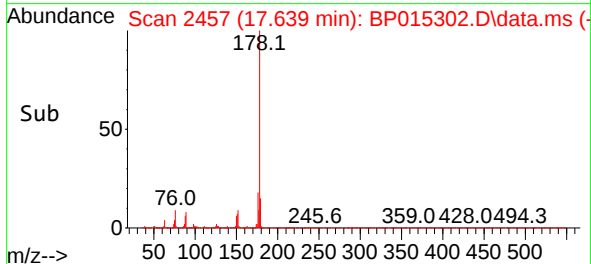
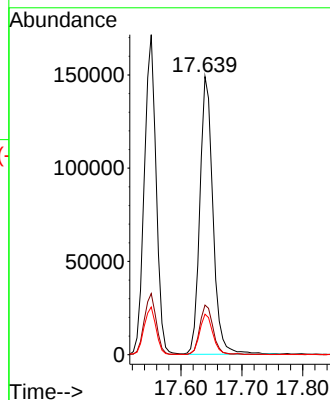
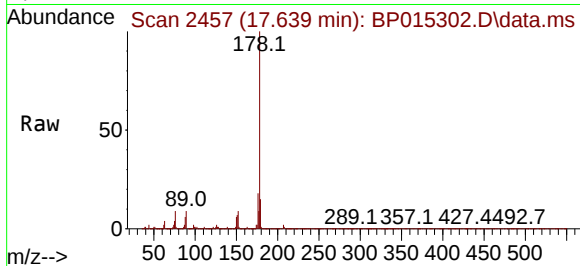
Tgt Ion:178 Resp: 221815

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

179 14.6 12.2 18.4



#73

Carbazole

Concen: 3.554 ng

RT: 17.910 min Scan# 2503

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

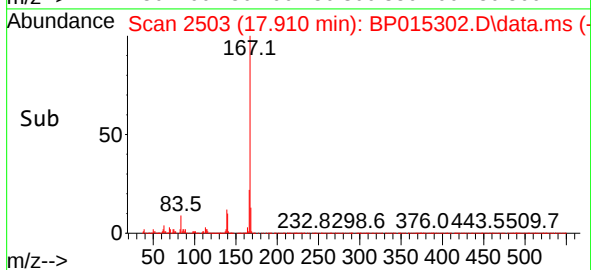
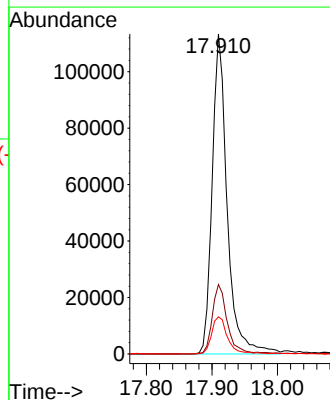
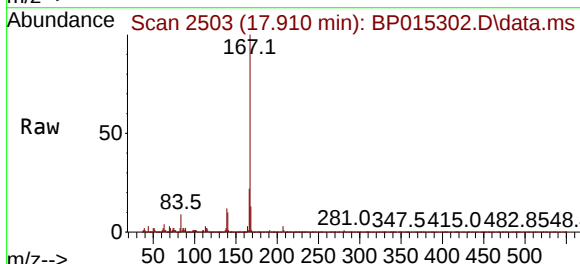
Tgt Ion:167 Resp: 179838

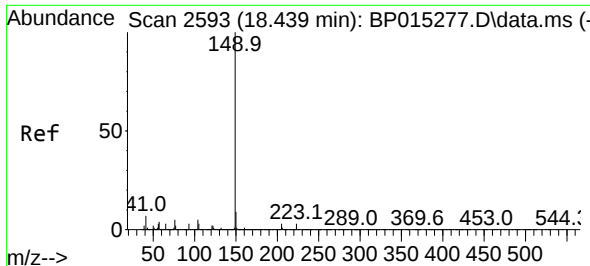
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 11.6 10.2 15.2

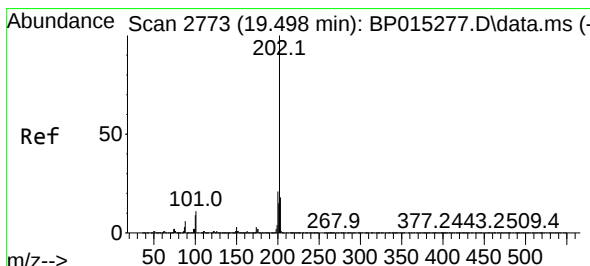
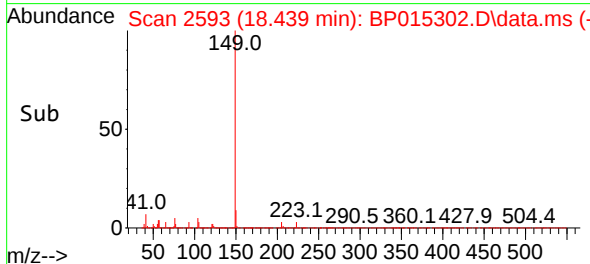
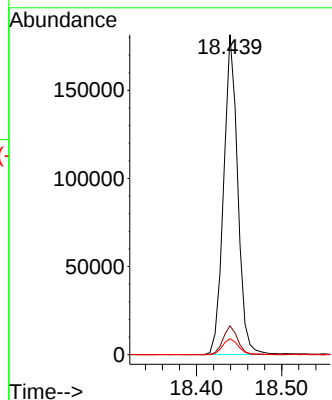
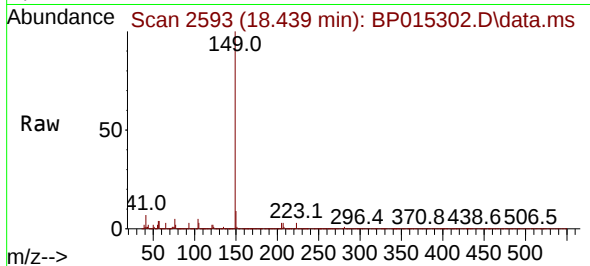




#74
Di-n-butylphthalate
Concen: 3.206 ng
RT: 18.439 min Scan# 2593
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

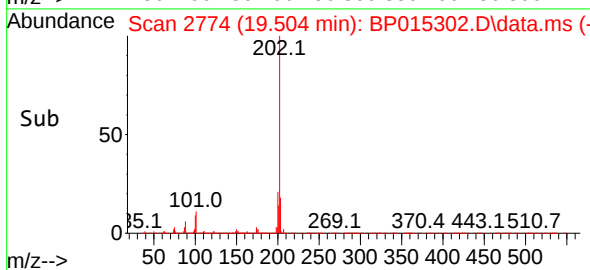
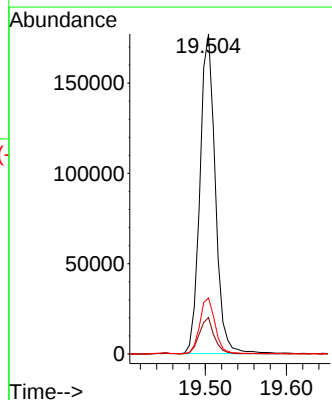
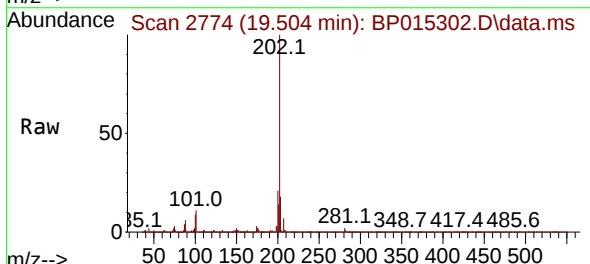
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

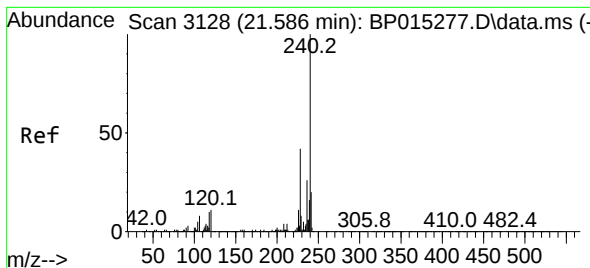
Tgt Ion:149 Resp: 208322
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 5.0 4.4 6.6



#75
Fluoranthene
Concen: 3.503 ng
RT: 19.504 min Scan# 2774
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:202 Resp: 233544
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.5 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: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

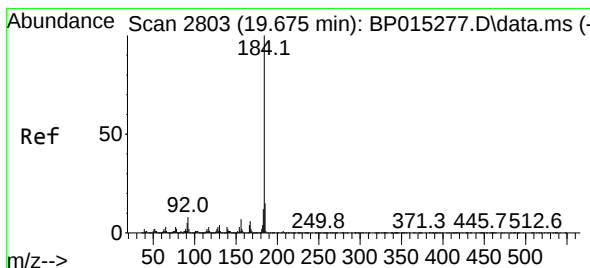
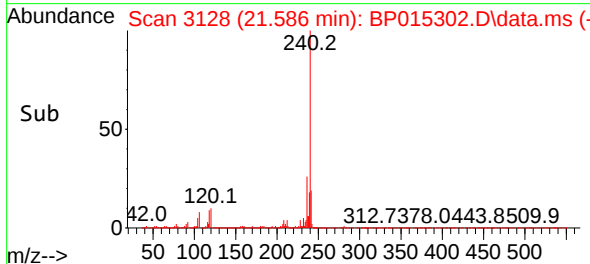
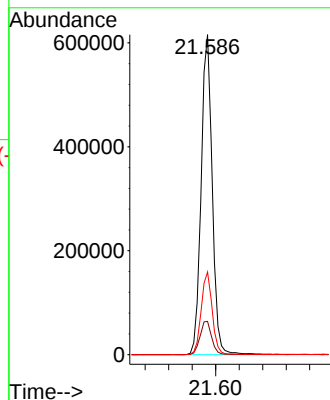
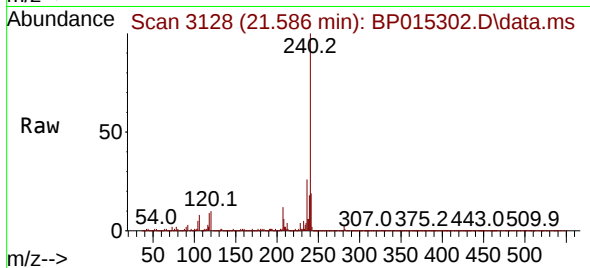
Tgt Ion:240 Resp: 804388

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 25.9 20.5 30.7



#77

Benzidine

Concen: 4.811 ng

RT: 19.686 min Scan# 2805

Delta R.T. 0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

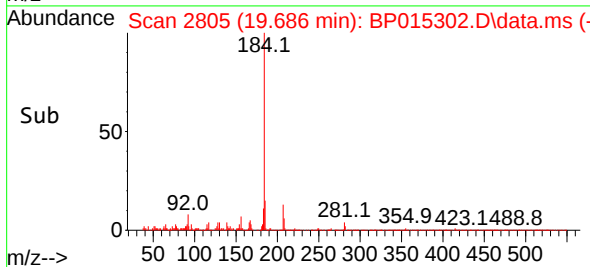
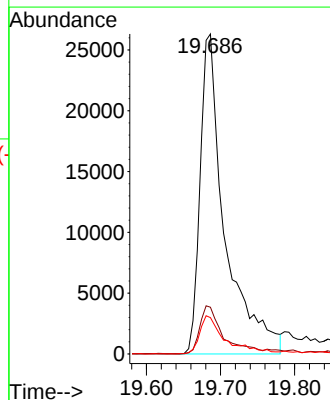
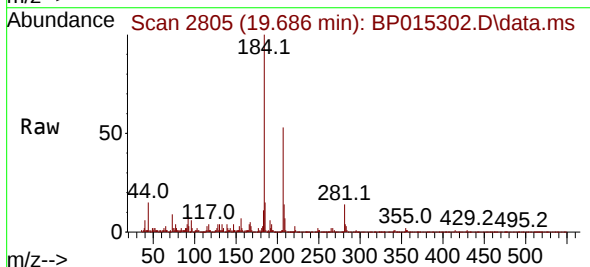
Tgt Ion:184 Resp: 61281

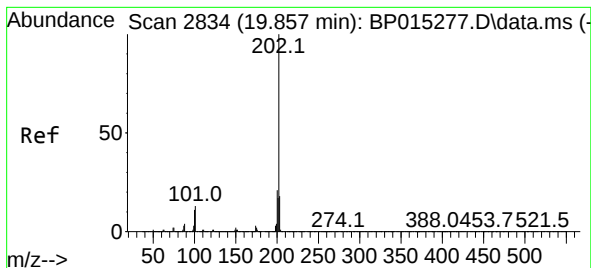
Ion Ratio Lower Upper

184 100

185 14.6 11.6 17.4

183 11.3 9.4 14.0





#78

Pyrene

Concen: 4.306 ng

RT: 19.857 min Scan# 2834

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

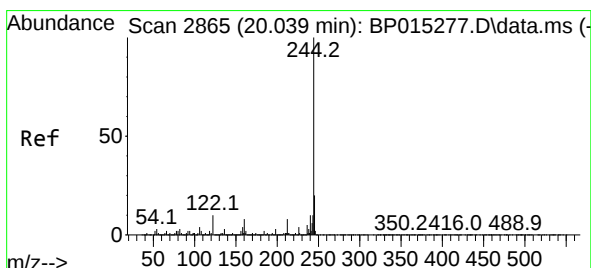
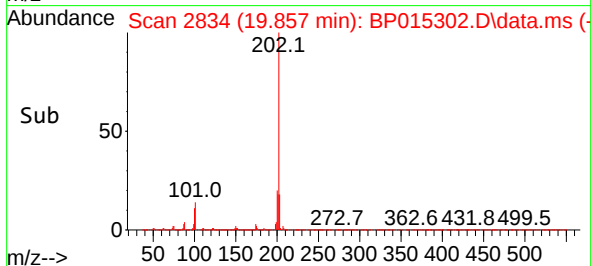
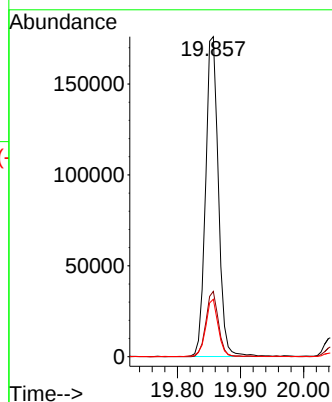
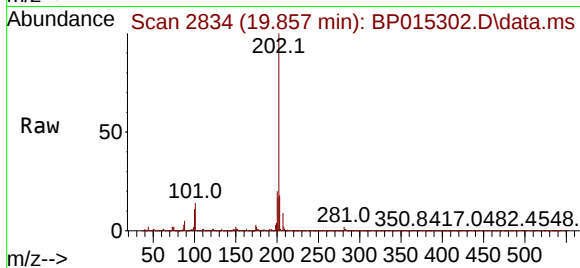
Tgt Ion:202 Resp: 247831

Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 84.596 ng

RT: 20.045 min Scan# 2866

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

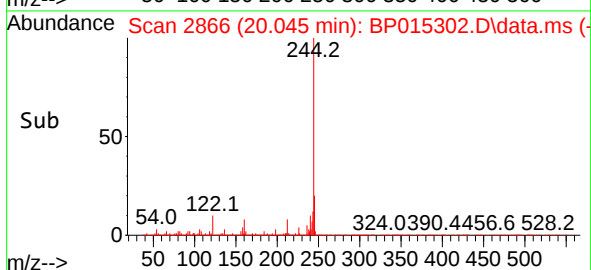
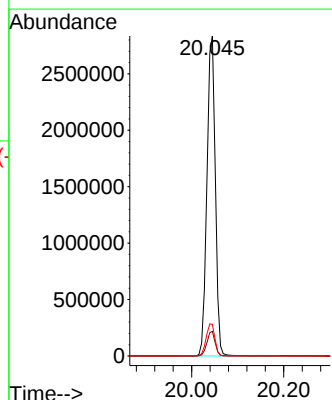
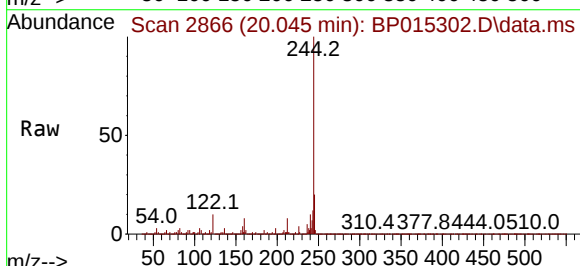
Tgt Ion:244 Resp: 3617738

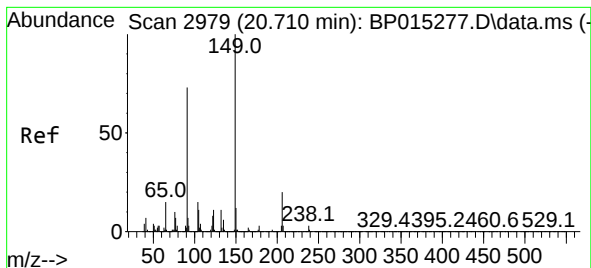
Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 9.9 8.2 12.4





#80

Butylbenzylphthalate

Concen: 2.957 ng

RT: 20.710 min Scan# 2979

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

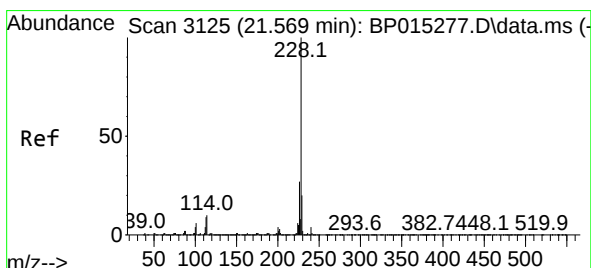
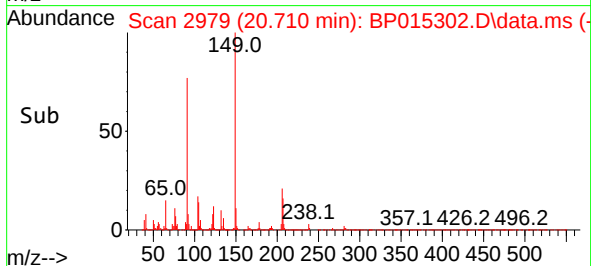
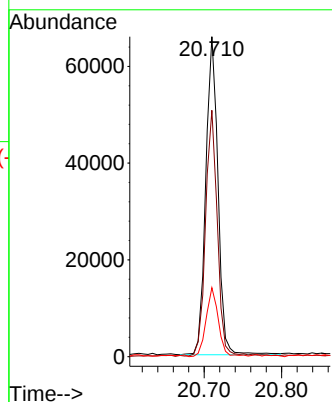
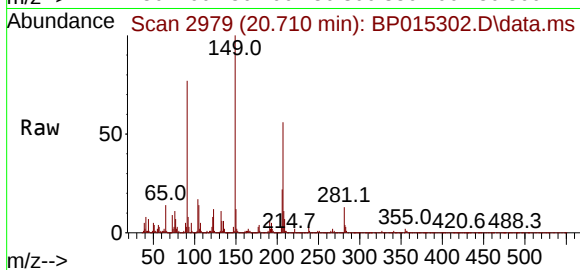
Tgt Ion:149 Resp: 72112

Ion Ratio Lower Upper

149 100

91 77.0 58.2 87.2

206 21.5 16.2 24.4



#81

Benzo(a)anthracene

Concen: 3.787 ng

RT: 21.569 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

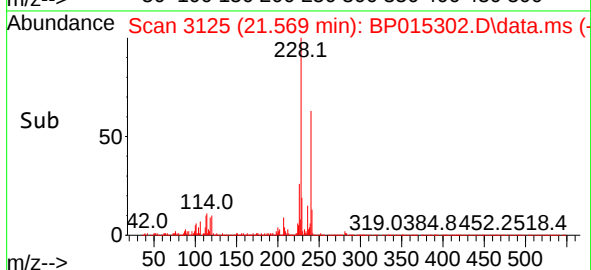
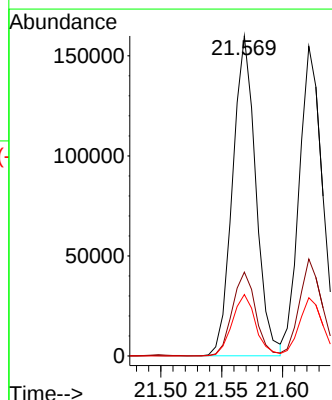
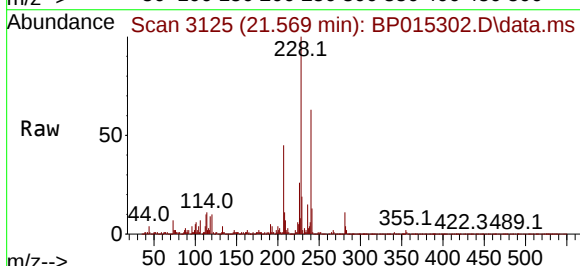
Tgt Ion:228 Resp: 211682

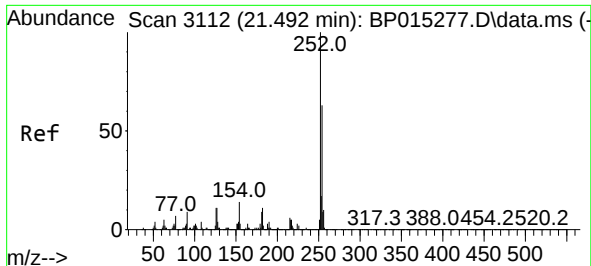
Ion Ratio Lower Upper

228 100

226 26.2 21.7 32.5

229 19.2 15.8 23.8

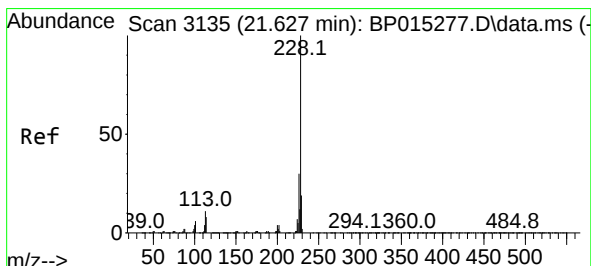
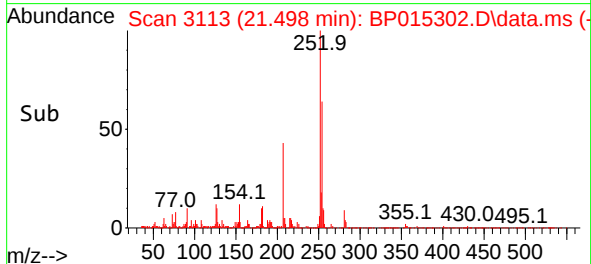
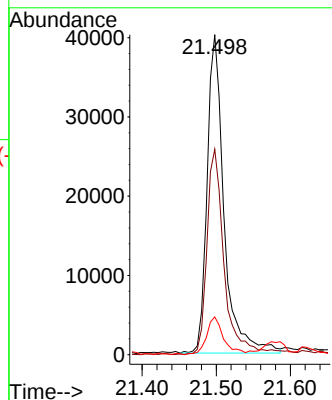
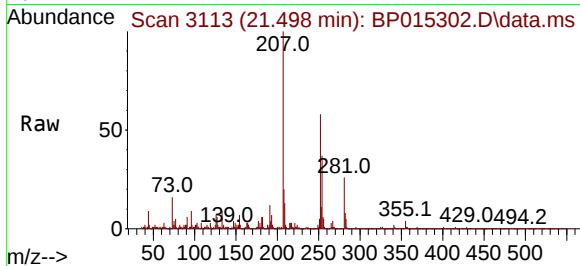




#82
3,3'-Dichlorobenzidine
Concen: 3.699 ng
RT: 21.498 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

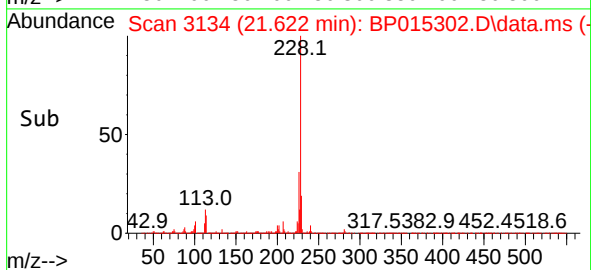
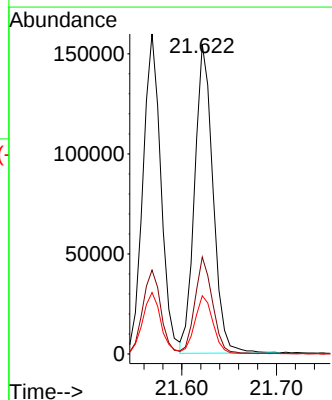
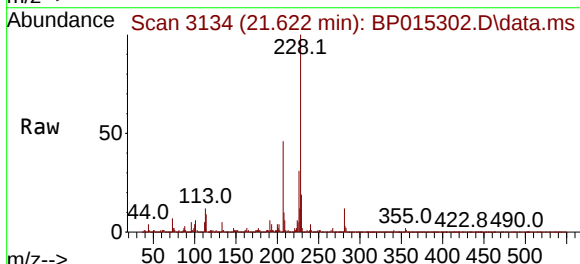
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

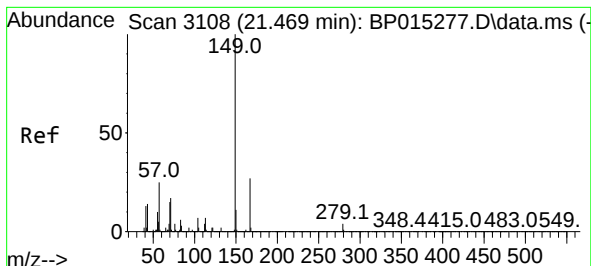
Tgt Ion:252 Resp: 63859
Ion Ratio Lower Upper
252 100
254 64.2 50.7 76.1
126 11.8 8.7 13.1



#83
Chrysene
Concen: 3.880 ng
RT: 21.622 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:228 Resp: 207936
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.6
229 18.8 15.5 23.3

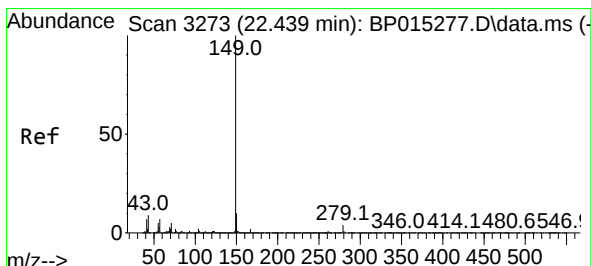
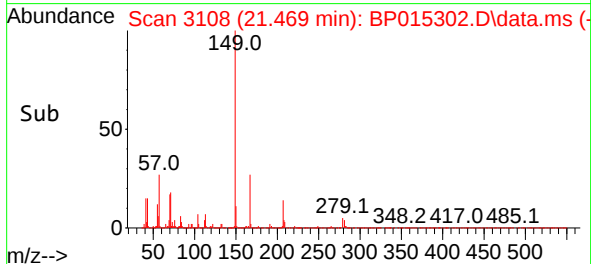
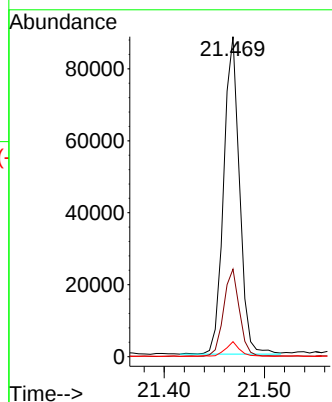
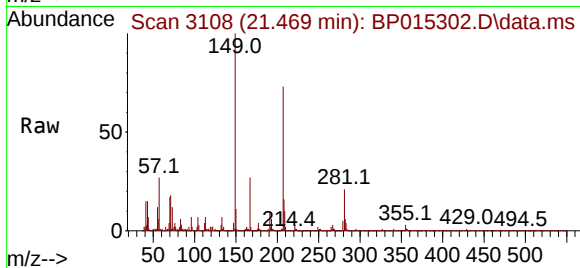




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.696 ng
 RT: 21.469 min Scan# 3108
 Delta R.T. 0.000 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

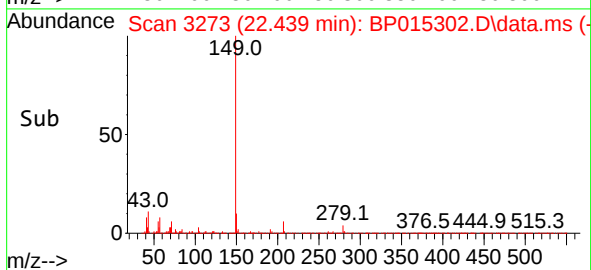
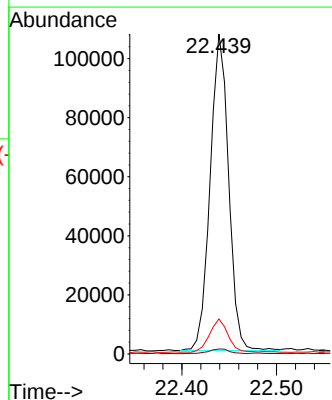
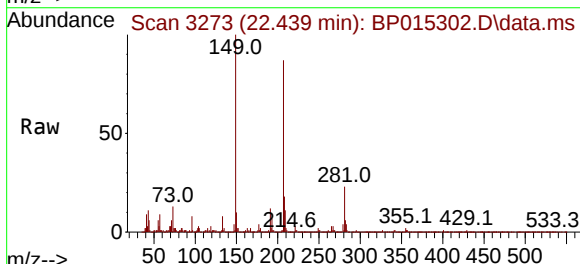
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

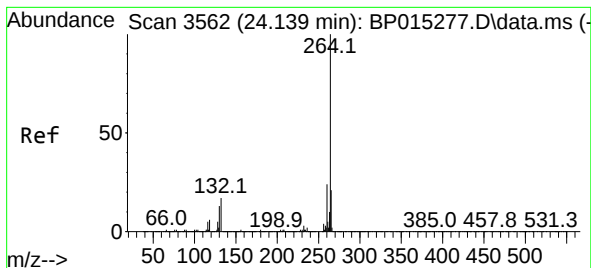
Tgt Ion:	149	Resp:	96841
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.6	32.4
279	4.7	3.5	5.3



#85
 Di-n-octyl phthalate
 Concen: 2.392 ng
 RT: 22.439 min Scan# 3273
 Delta R.T. 0.000 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

Tgt Ion:	149	Resp:	145356
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	10.5	7.3	10.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

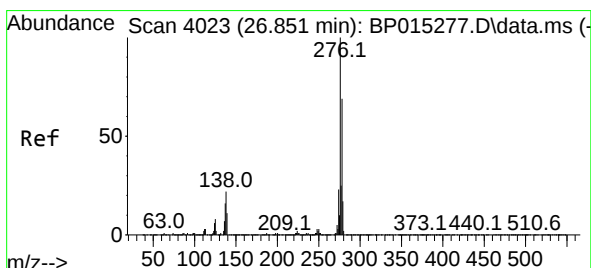
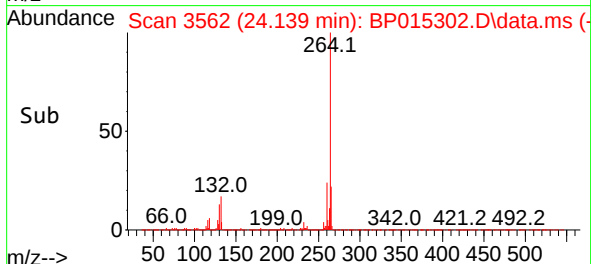
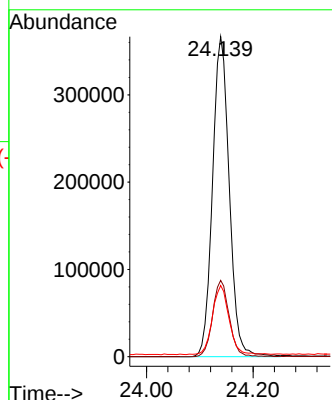
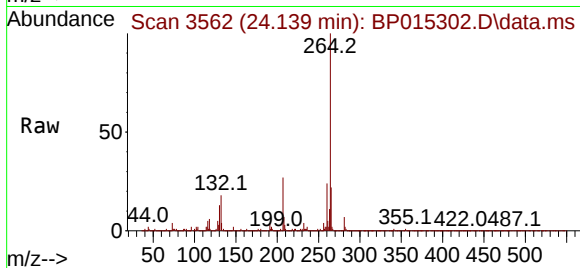
Tgt Ion:264 Resp: 799584

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.611 ng

RT: 26.839 min Scan# 4021

Delta R.T. -0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

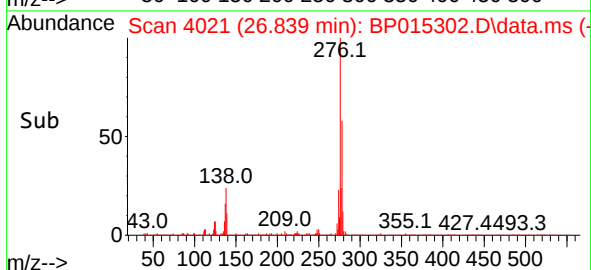
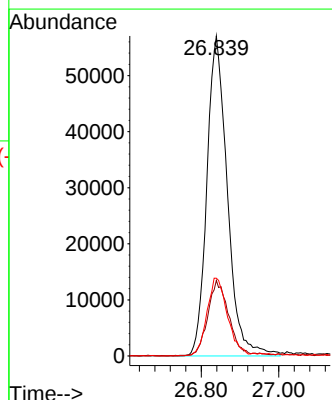
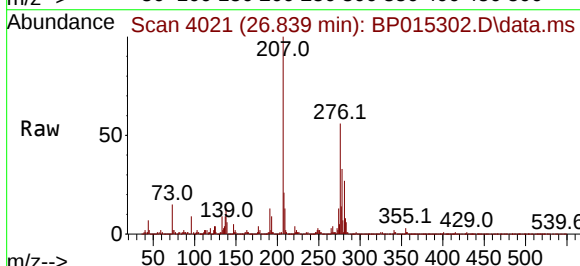
Tgt Ion:276 Resp: 209268

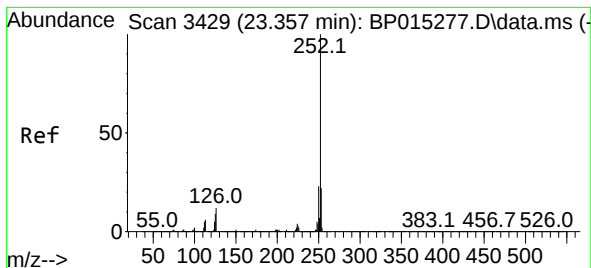
Ion Ratio Lower Upper

276 100

138 24.0 19.0 28.6

277 24.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 3.879 ng

RT: 23.351 min Scan# 3429

Delta R.T. -0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

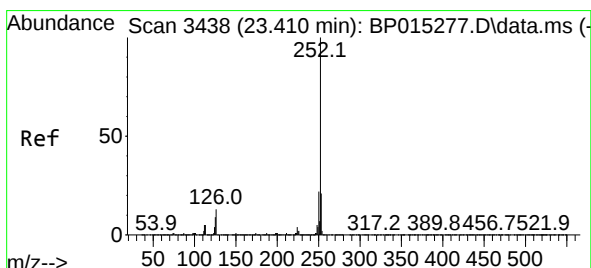
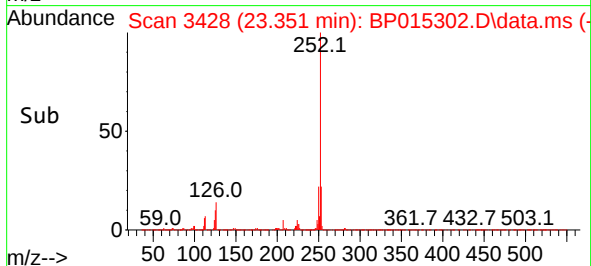
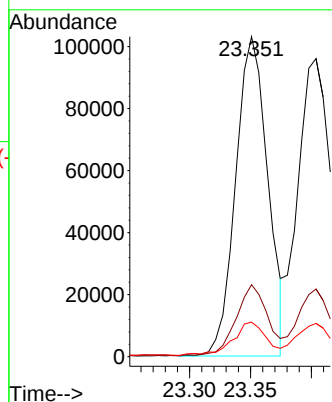
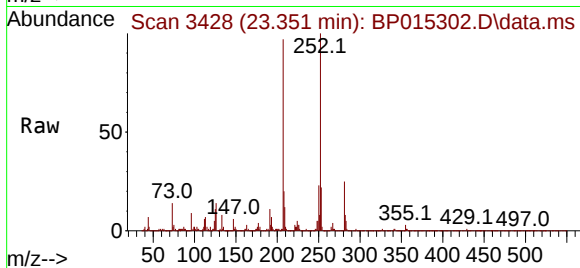
Tgt Ion:252 Resp: 188589

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 10.8 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 3.852 ng

RT: 23.351 min Scan# 3428

Delta R.T. -0.059 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

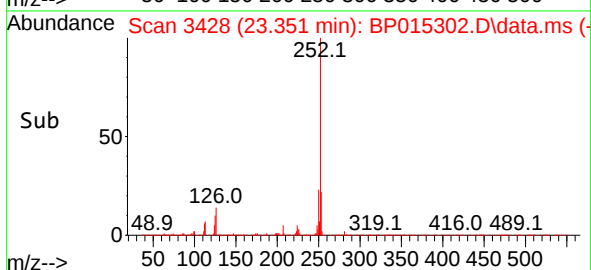
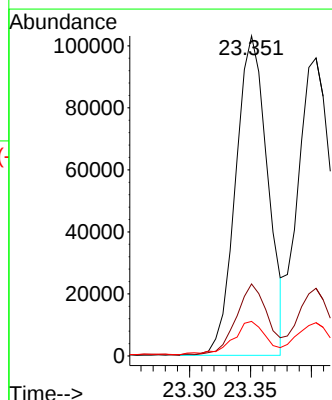
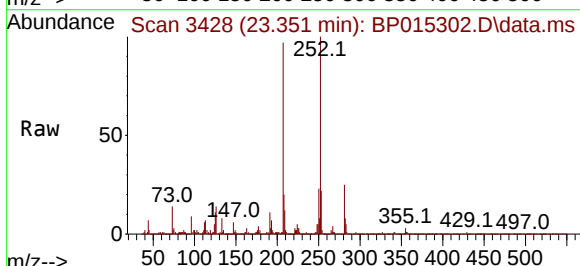
Tgt Ion:252 Resp: 188589

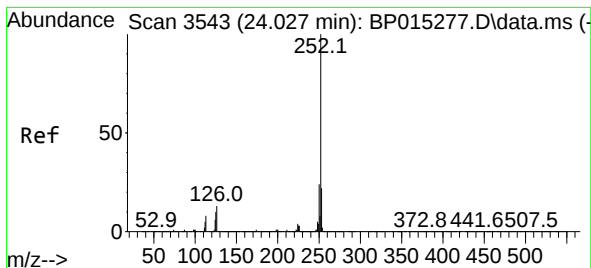
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 10.8 7.4 11.0





#90

Benzo(a)pyrene

Concen: 3.420 ng

RT: 24.027 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

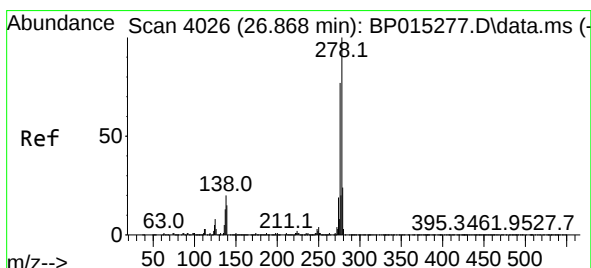
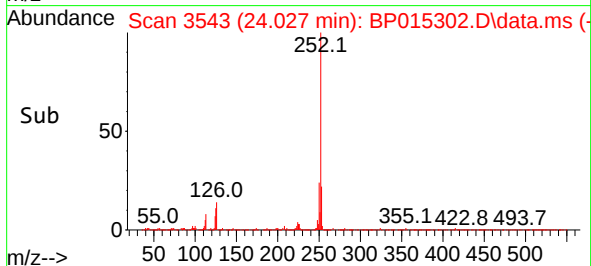
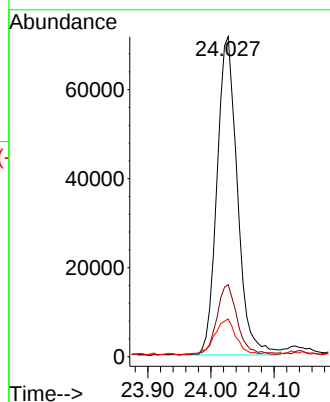
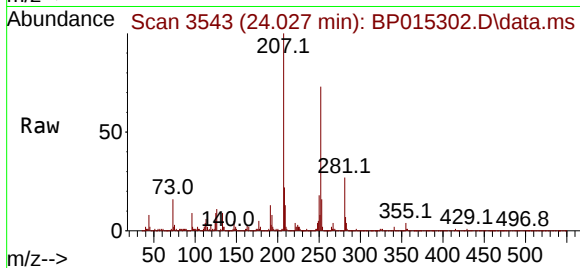
Tgt Ion:252 Resp: 160538

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 11.8 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 3.603 ng

RT: 26.857 min Scan# 4024

Delta R.T. -0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

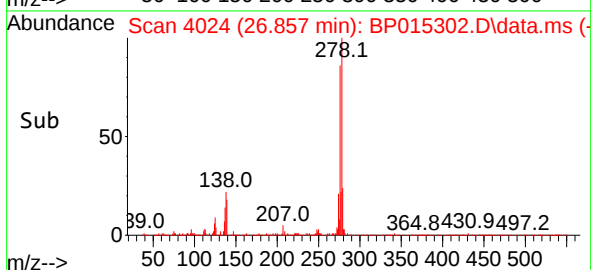
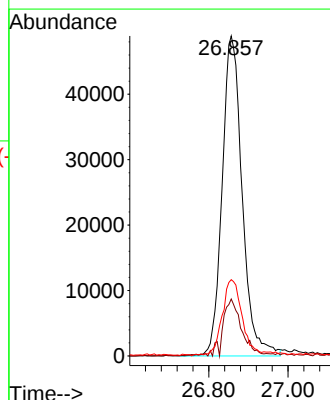
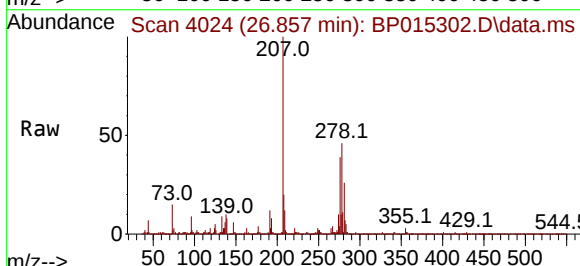
Tgt Ion:278 Resp: 171485

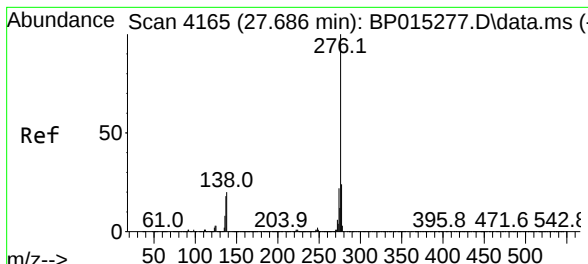
Ion Ratio Lower Upper

278 100

139 17.8 12.3 18.5

279 23.8 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.519 ng
 RT: 27.668 min Scan# 4162
 Delta R.T. -0.018 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion:276 Resp: 170192

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	19.7	16.2	24.2

