

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121422\
 Data File : BP013106.D
 Acq On : 14 Dec 2022 15:27
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-8ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Dec 15 04:04:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 15 04:03:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	450094	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1675379	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	1048425	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	2364902	20.000	ng	0.00
76) Chrysene-d12	21.445	240	2417139	20.000	ng	0.00
86) Perylene-d12	23.927	264	2639240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2364419	95.982	ng	0.00
7) Phenol-d6	7.116	99	3014393	93.701	ng	0.00
23) Nitrobenzene-d5	9.128	82	1991727	65.174	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	1300350	102.870	ng	0.00
45) 2-Fluorobiphenyl	13.222	172	4880336	63.204	ng	0.00
79) Terphenyl-d14	19.910	244	7827706	63.890	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.375	88	79771	7.309	ng	96
3) Pyridine	3.799	79	186330	6.011	ng	93
4) n-Nitrosodimethylamine	3.699	42	94293	6.788	ng	# 95
6) Aniline	7.281	93	287807	7.388	ng	99
8) 2-Chlorophenol	7.516	128	197862	6.813	ng	95
9) Benzaldehyde	7.093	77	165168	8.557	ng	98
10) Phenol	7.140	94	244045	6.777	ng	94
11) bis(2-Chloroethyl)ether	7.381	93	198099	6.833	ng	97
12) 1,3-Dichlorobenzene	7.846	146	230404	6.819	ng	96
13) 1,4-Dichlorobenzene	7.993	146	234910	6.827	ng	98
14) 1,2-Dichlorobenzene	8.316	146	225875	6.916	ng	98
15) Benzyl Alcohol	8.199	79	148841	6.378	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.493	45	293016	6.978	ng	99
17) 2-Methylphenol	8.399	107	148044	6.220	ng	97
18) Hexachloroethane	9.046	117	77014	6.609	ng	94
19) n-Nitroso-di-n-propyla...	8.763	70	134351	6.430	ng	98
20) 3+4-Methylphenols	8.728	107	192772	5.957	ng	98
22) Acetophenone	8.787	105	288747	6.926	ng	# 99
24) Nitrobenzene	9.169	77	220131	6.911	ng	96
25) Isophorone	9.698	82	349393	6.732	ng	99
26) 2-Nitrophenol	9.887	139	77550	5.319	ng	96
27) 2,4-Dimethylphenol	9.940	122	151656	6.905	ng	99
28) bis(2-Chloroethoxy)met...	10.175	93	241960	7.270	ng	98
29) 2,4-Dichlorophenol	10.416	162	161745	5.967	ng	99
30) 1,2,4-Trichlorobenzene	10.634	180	204484	6.392	ng	98
31) Naphthalene	10.822	128	608604	6.634	ng	98
32) Benzoic acid	10.004	122	66011	3.810	ng	94
33) 4-Chloroaniline	10.934	127	227851	6.660	ng	99
34) Hexachlorobutadiene	11.104	225	130898	6.414	ng	99
35) Caprolactam	11.716	113	40828	5.834	ng	91
36) 4-Chloro-3-methylphenol	12.051	107	158234	6.250	ng	98
37) 2-Methylnaphthalene	12.428	142	410947	6.661	ng	99
38) 1-Methylnaphthalene	12.645	142	391473	6.516	ng	99
40) 1,2,4,5-Tetrachloroben...	12.792	216	239355	6.399	ng	99
41) Hexachlorocyclopentadiene	12.775	237	111084	5.890	ng	98
43) 2,4,6-Trichlorophenol	13.034	196	129630	5.496	ng	98

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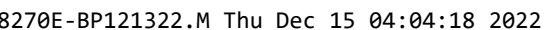
Instrument :
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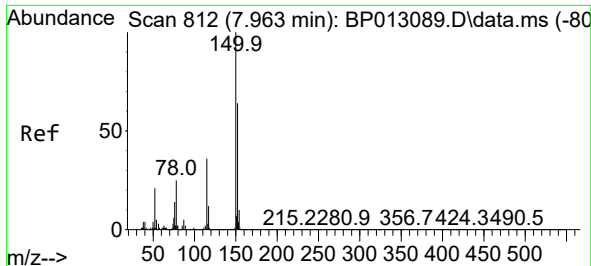
Quant Time: Dec 15 04:04:12 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.104	196	146509	5.749	ng	96
46) 1,1'-Biphenyl	13.434	154	562951	6.791	ng	99
47) 2-Chloronaphthalene	13.475	162	427208	6.484	ng	98
48) 2-Nitroaniline	13.681	65	88214	5.412	ng	90
49) Acenaphthylene	14.322	152	609693	6.291	ng	99
50) Dimethylphthalate	14.051	163	512931	6.689	ng	99
51) 2,6-Dinitrotoluene	14.175	165	92816	5.915	ng	94
52) Acenaphthene	14.663	154	393572	6.532	ng	100
53) 3-Nitroaniline	14.504	138	89909	5.619	ng	# 98
54) 2,4-Dinitrophenol	14.710	184	37723	4.035	ng	91
55) Dibenzofuran	14.998	168	660821	6.853	ng	99
56) 4-Nitrophenol	14.804	139	72287	5.512	ng	94
57) 2,4-Dinitrotoluene	14.963	165	111010	5.659	ng	92
58) Fluorene	15.651	166	516549	6.922	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.222	232	132098	6.064	ng	97
60) Diethylphthalate	15.416	149	480261	6.812	ng	99
61) 4-Chlorophenyl-phenylether	15.639	204	271867	7.039	ng	97
62) 4-Nitroaniline	15.669	138	80245	5.373	ng	87
63) Azobenzene	15.933	77	431692	6.589	ng	96
65) 4,6-Dinitro-2-methylph...	15.728	198	58351	3.841	ng	92
66) n-Nitrosodiphenylamine	15.857	169	434036	5.878	ng	100
67) 4-Bromophenyl-phenylether	16.539	248	158144	5.655	ng	100
68) Hexachlorobenzene	16.657	284	196236	5.993	ng	99
69) Atrazine	16.810	200	143626	6.933	ng	100
70) Pentachlorophenol	17.004	266	94966	4.925	ng	99
71) Phenanthrene	17.398	178	848448	6.305	ng	99
72) Anthracene	17.492	178	790795	6.260	ng	100
73) Carbazole	17.757	167	725948	6.555	ng	100
74) Di-n-butylphthalate	18.304	149	709442	5.824	ng	99
75) Fluoranthene	19.363	202	958318	6.616	ng	100
77) Benzidine	19.539	184	310062	9.031	ng	99
78) Pyrene	19.716	202	1018623	5.865	ng	100
80) Butylbenzylphthalate	20.580	149	300788	5.342	ng	98
81) Benzo(a)anthracene	21.427	228	1071492	6.485	ng	99
82) 3,3'-Dichlorobenzidine	21.357	252	331792	6.744	ng	100
83) Chrysene	21.480	228	1035360	6.424	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	421758	5.507	ng	100
85) Di-n-octyl phthalate	22.286	149	677360	5.266	ng	97
87) Indeno(1,2,3-cd)pyrene	26.521	276	1183227	5.487	ng	99
88) Benzo(b)fluoranthene	23.162	252	1036268	6.098	ng	99
89) Benzo(k)fluoranthene	23.215	252	1078757	6.275	ng	99
90) Benzo(a)pyrene	23.815	252	899199	6.306	ng	99
91) Dibenzo(a,h)anthracene	26.539	278	1047506	5.845	ng	99
92) Benzo(g,h,i)perylene	27.321	276	1016829	5.726	ng	99

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

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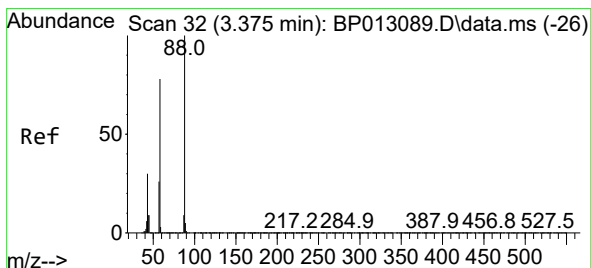
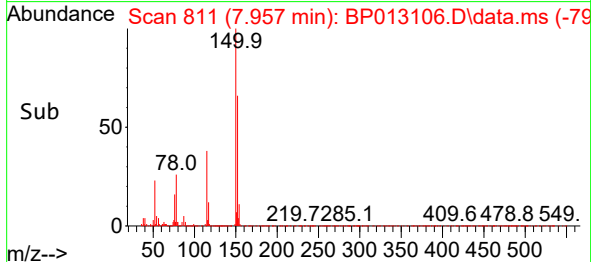
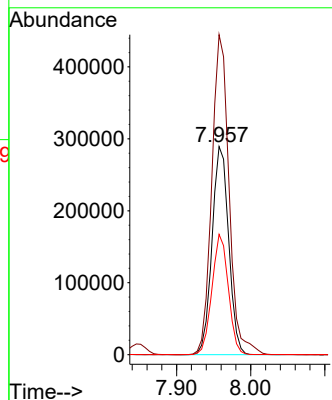
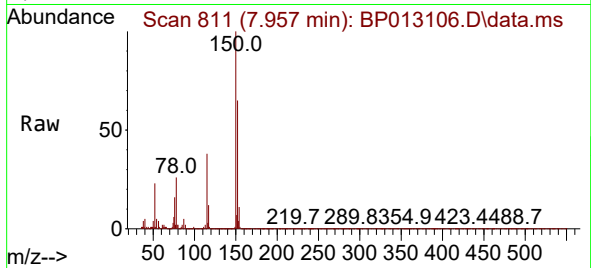




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.957 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP013106.D
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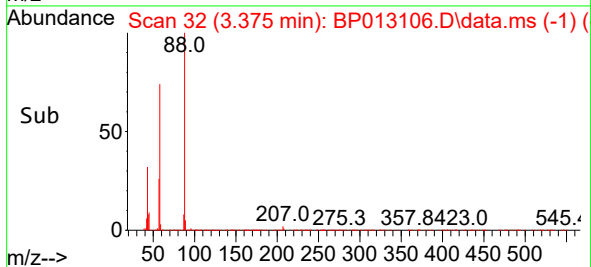
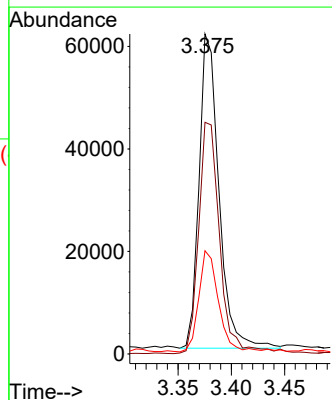
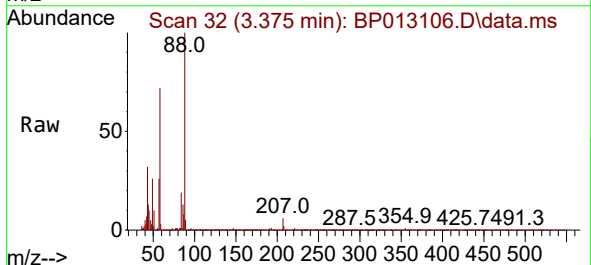
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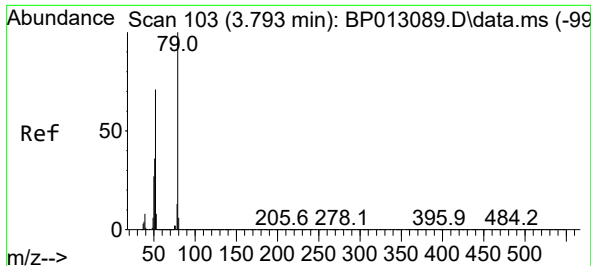
Tgt Ion:152 Resp: 450094
 Ion Ratio Lower Upper
 152 100
 150 153.7 125.3 187.9
 115 57.8 45.6 68.4



#2
 1,4-Dioxane
 Concen: 7.309 ng
 RT: 3.375 min Scan# 32
 Delta R.T. -0.000 min
 Lab File: BP013106.D
 Acq: 14 Dec 2022 15:27

Tgt Ion: 88 Resp: 79771
 Ion Ratio Lower Upper
 88 100
 58 78.5 60.1 90.1
 43 31.6 23.5 35.3

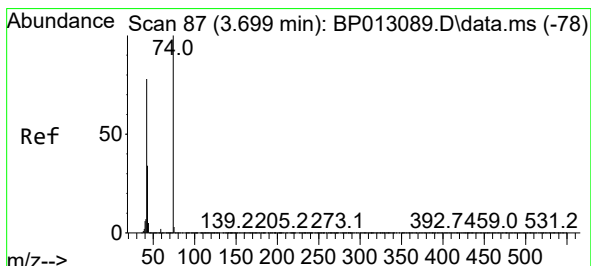
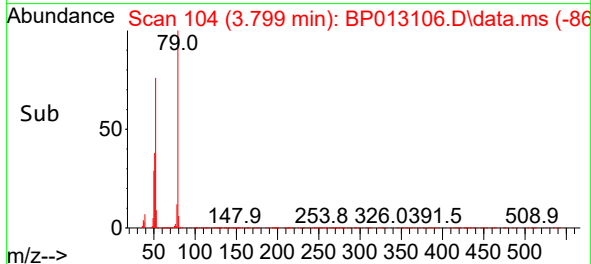
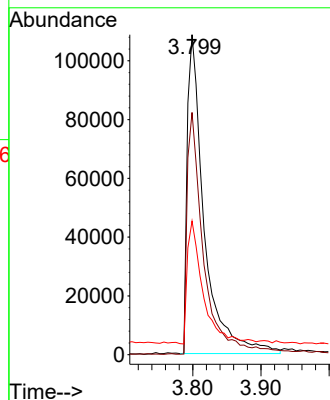
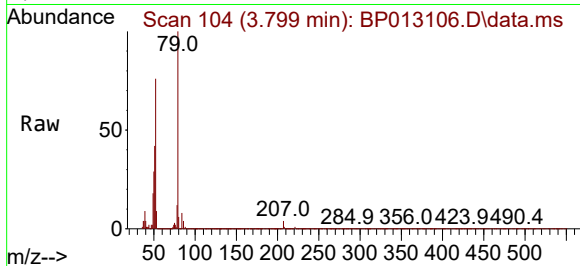




#3
Pyridine
Concen: 6.011 ng
RT: 3.799 min Scan# 103
Delta R.T. 0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

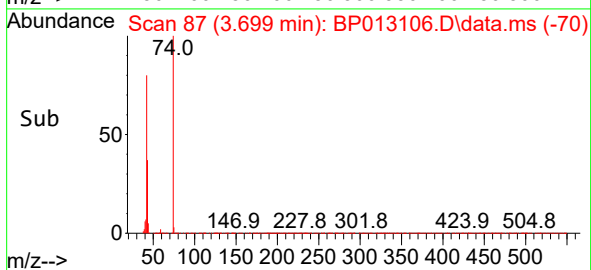
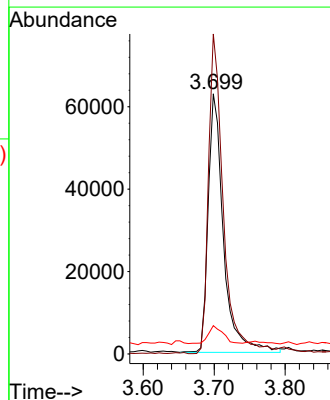
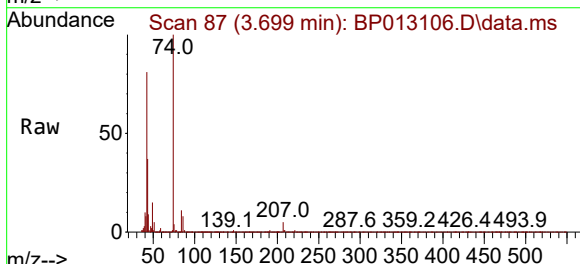
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

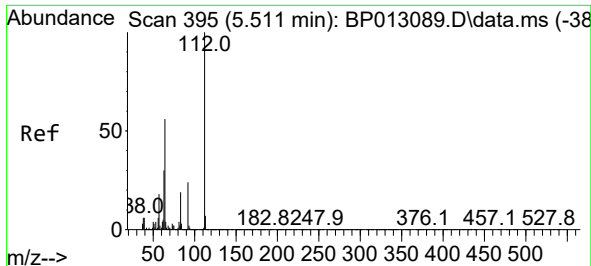
Tgt Ion: 79 Resp: 186330
Ion Ratio Lower Upper
79 100
52 75.7 57.0 85.4
51 41.8 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 6.788 ng
RT: 3.699 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 42 Resp: 94293
Ion Ratio Lower Upper
42 100
74 123.0 102.7 154.1
44 10.9 5.6 8.4

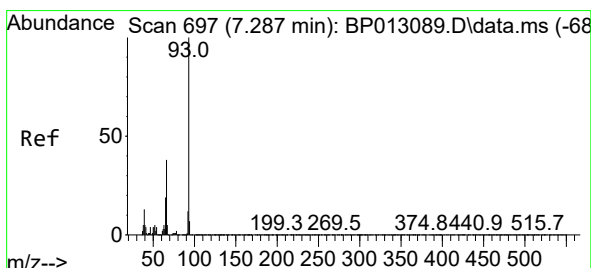
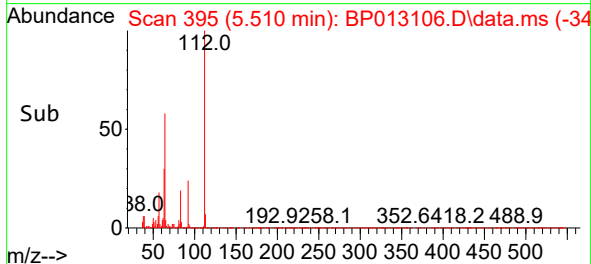
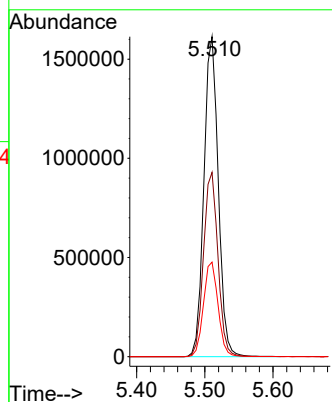
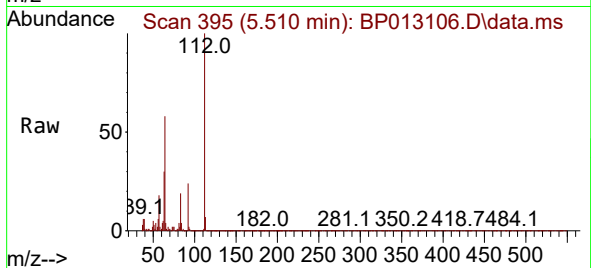




#5
2-Fluorophenol
Concen: 95.982 ng
RT: 5.510 min Scan# 395
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

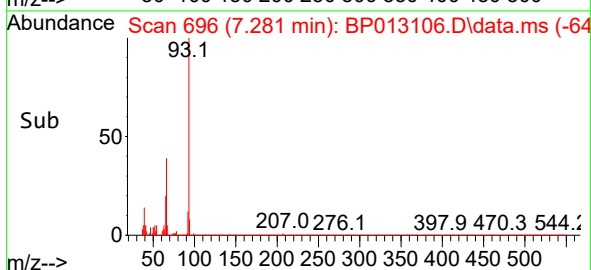
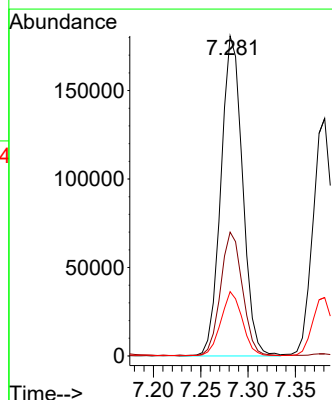
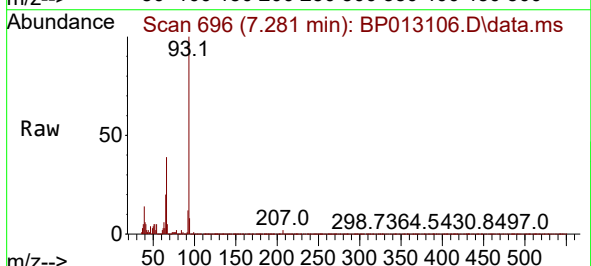
Instrument :
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MDL-SOIL-03-QT4-2022

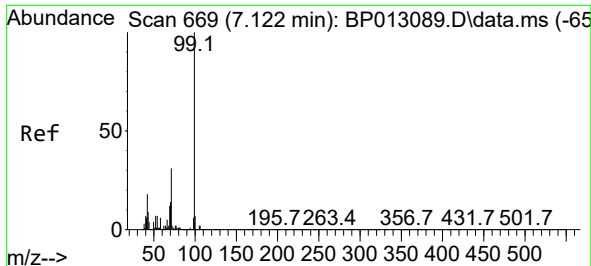
Tgt Ion:112 Resp: 2364419
Ion Ratio Lower Upper
112 100
64 57.6 45.1 67.7
63 29.6 23.8 35.6



#6
Aniline
Concen: 7.388 ng
RT: 7.281 min Scan# 696
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 93 Resp: 287807
Ion Ratio Lower Upper
93 100
66 38.7 30.6 45.8
65 20.1 15.5 23.3

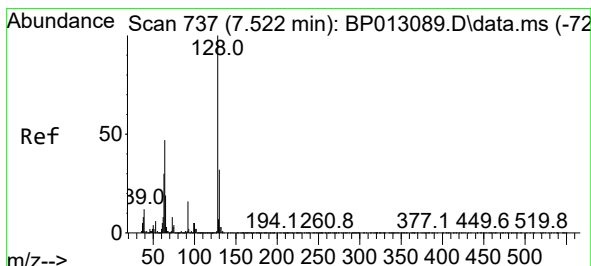
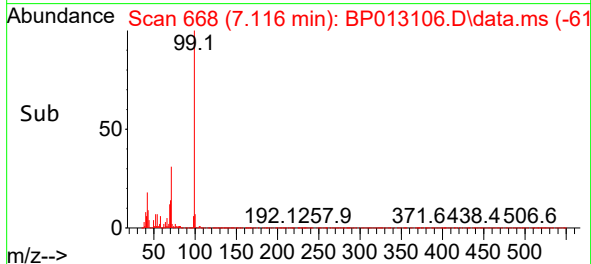
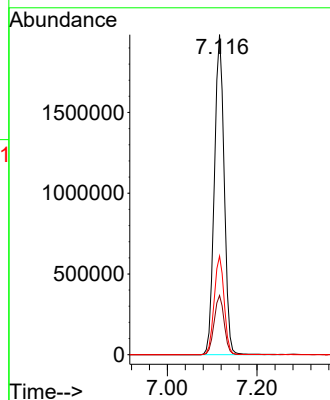
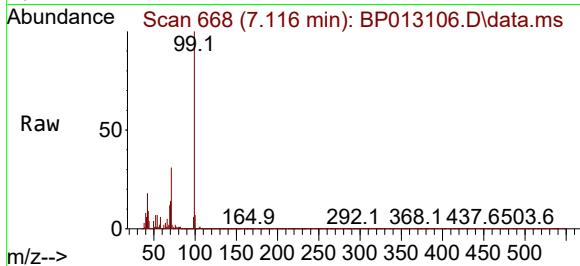




#7
Phenol-d6
Concen: 93.701 ng
RT: 7.116 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

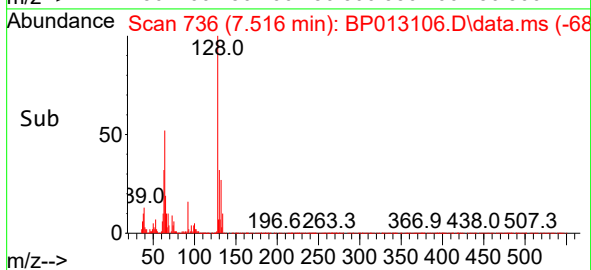
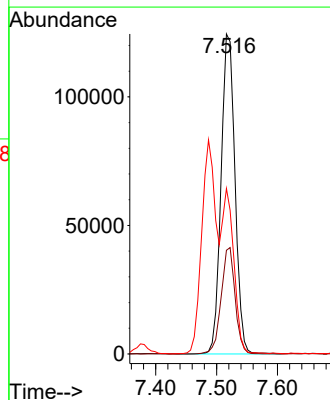
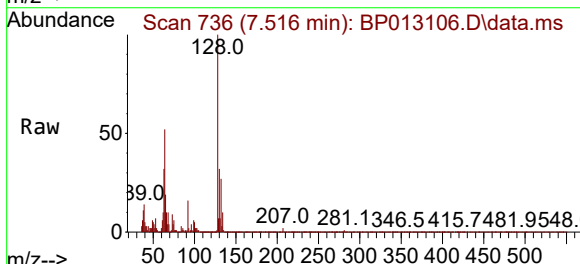
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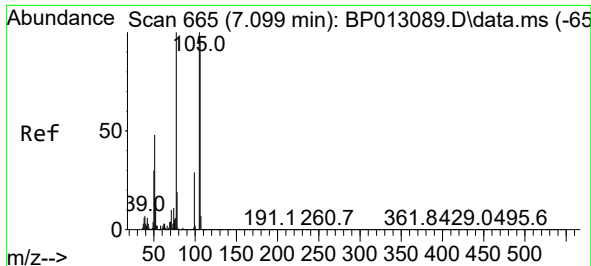
Tgt Ion: 99 Resp: 3014393
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 30.8 24.7 37.1



#8
2-Chlorophenol
Concen: 6.813 ng
RT: 7.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:128 Resp: 197862
Ion Ratio Lower Upper
128 100
130 32.4 11.9 51.9
64 51.7 26.7 66.7

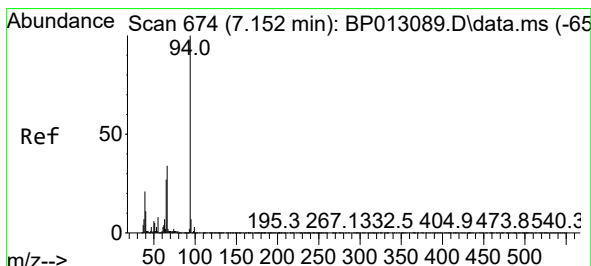
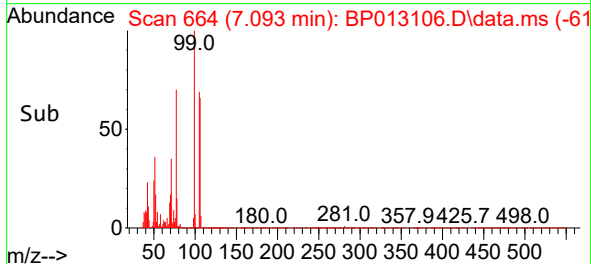
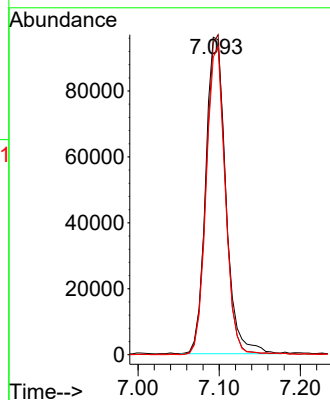
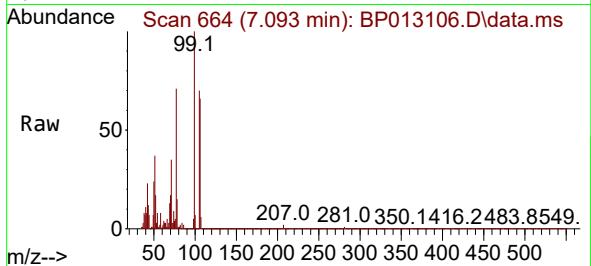




#9
Benzaldehyde
Concen: 8.557 ng
RT: 7.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

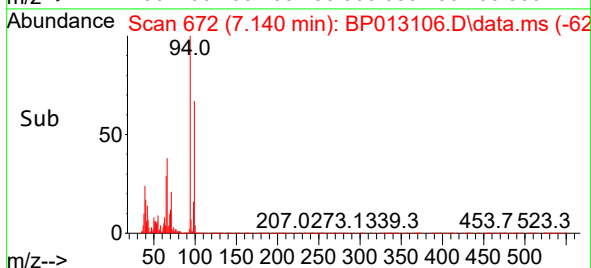
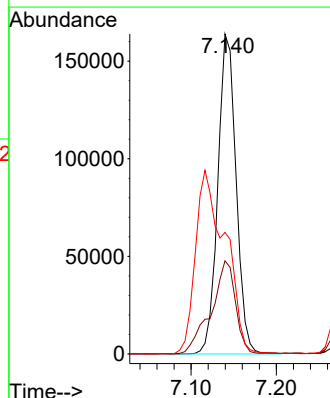
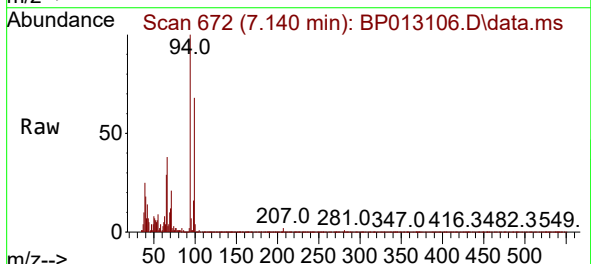
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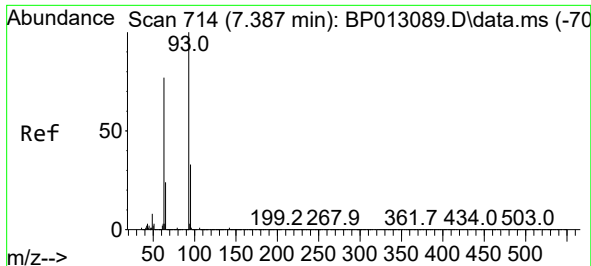
Tgt Ion: 77 Resp: 165168
Ion Ratio Lower Upper
77 100
105 98.3 80.1 120.1
106 93.7 76.6 116.6



#10
Phenol
Concen: 6.777 ng
RT: 7.140 min Scan# 672
Delta R.T. -0.012 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 94 Resp: 244045
Ion Ratio Lower Upper
94 100
65 29.1 7.2 47.2
66 38.0 13.7 53.7

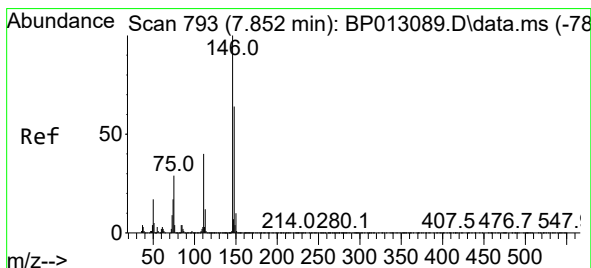
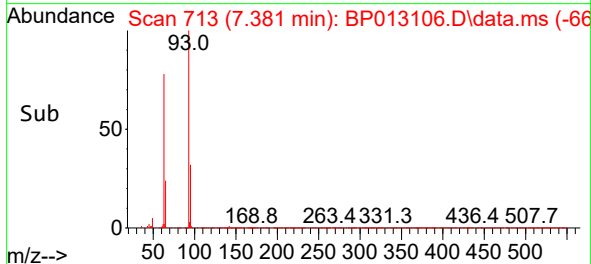
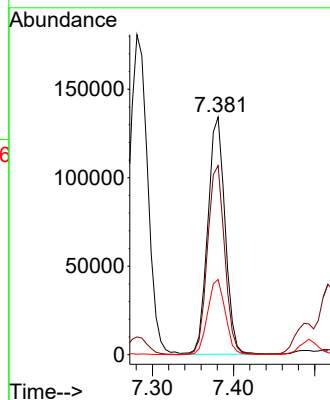
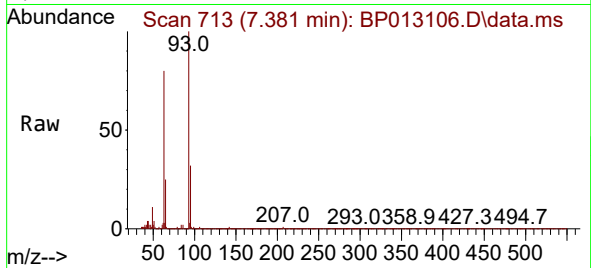




#11
bis(2-Chloroethyl)ether
Concen: 6.833 ng
RT: 7.381 min Scan# 714
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

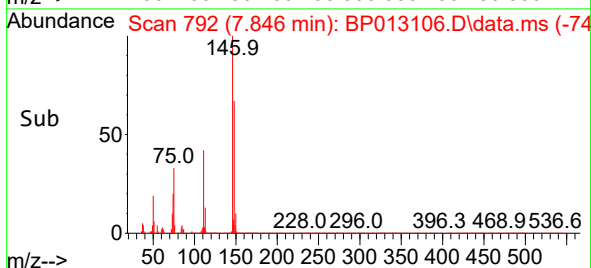
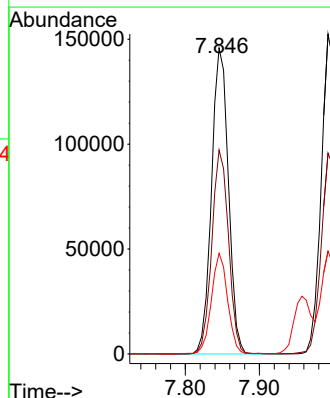
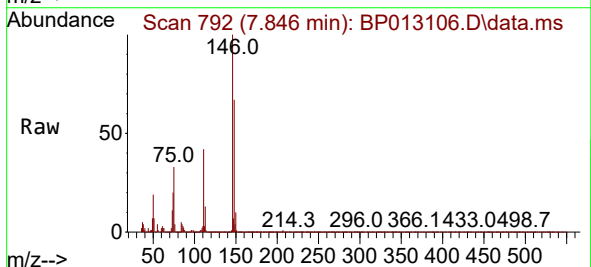
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

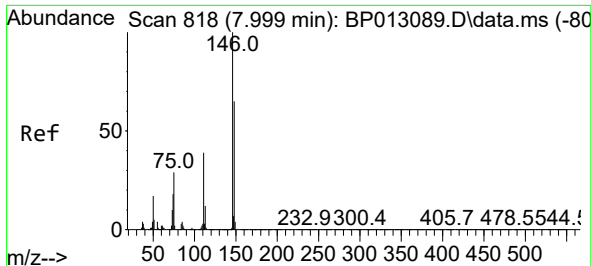
Tgt Ion: 93 Resp: 198099
Ion Ratio Lower Upper
93 100
63 79.6 56.3 96.3
95 31.7 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 6.819 ng
RT: 7.846 min Scan# 792
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:146 Resp: 230404
Ion Ratio Lower Upper
146 100
148 66.7 51.5 77.3
75 32.9 23.0 34.4

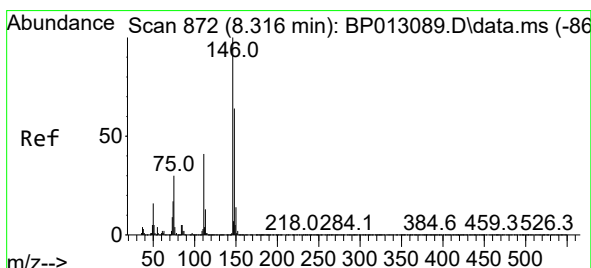
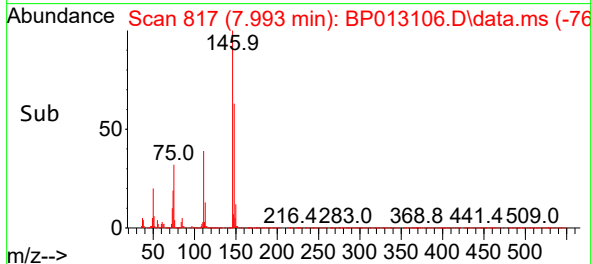
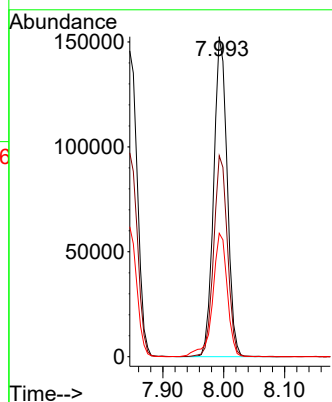
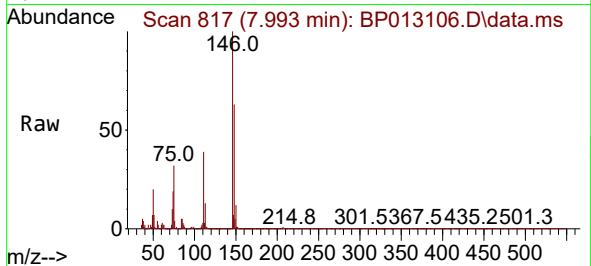




#13
1,4-Dichlorobenzene
Concen: 6.827 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

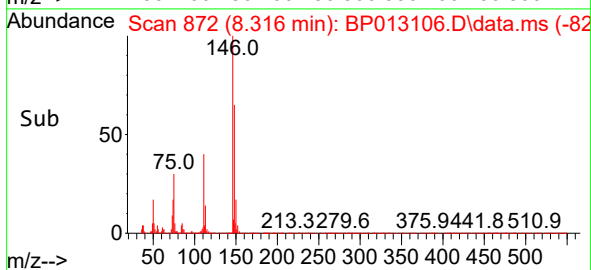
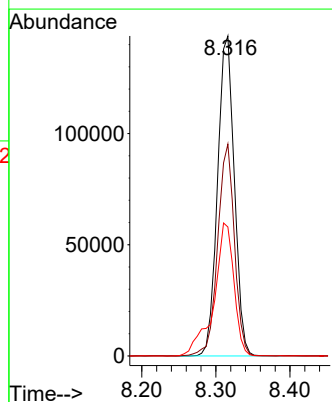
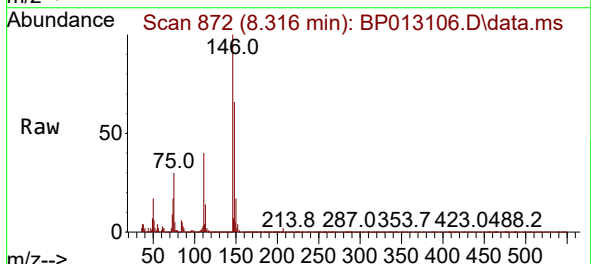
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

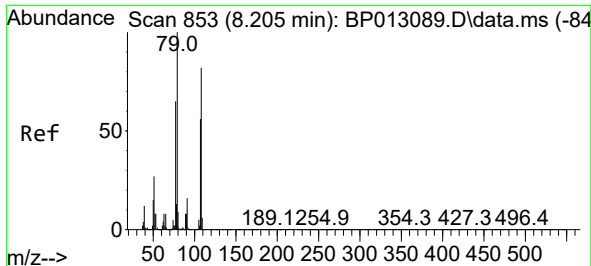
Tgt Ion:146 Resp: 234910
Ion Ratio Lower Upper
146 100
148 62.8 51.9 77.9
111 38.5 31.3 46.9



#14
1,2-Dichlorobenzene
Concen: 6.916 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:146 Resp: 225875
Ion Ratio Lower Upper
146 100
148 66.2 51.0 76.6
111 40.3 32.6 49.0

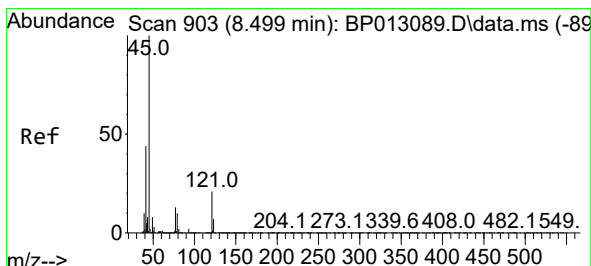
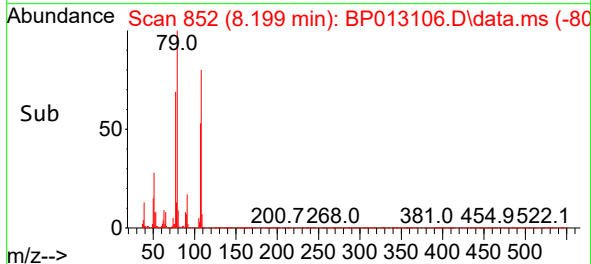
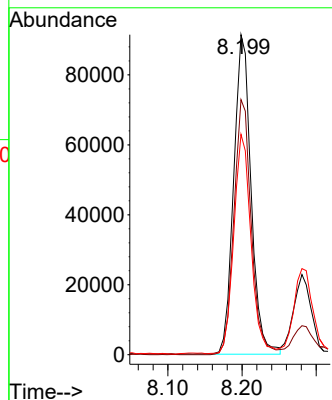
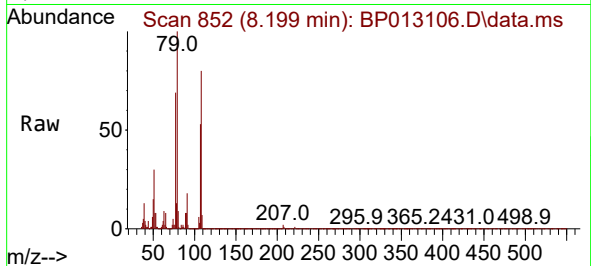




#15
Benzyl Alcohol
Concen: 6.378 ng
RT: 8.199 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

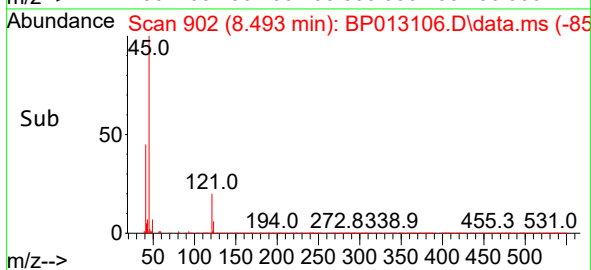
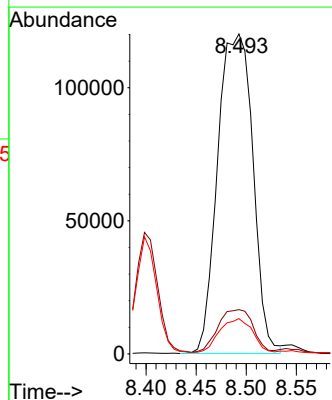
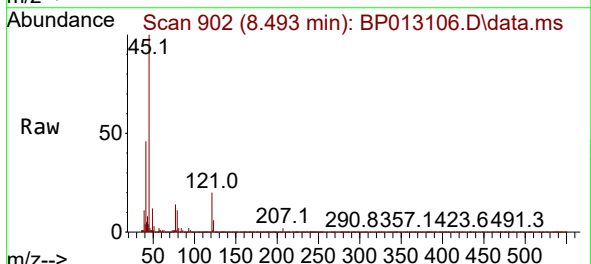
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

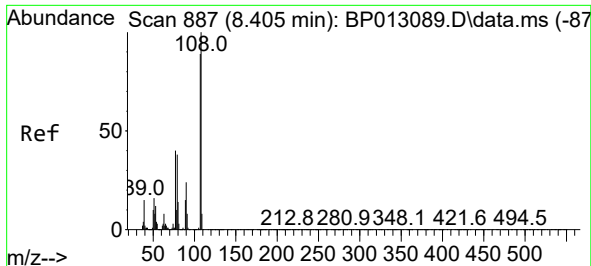
Tgt Ion: 79 Resp: 148841
Ion Ratio Lower Upper
79 100
108 79.7 65.3 97.9
77 68.9 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.978 ng
RT: 8.493 min Scan# 902
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 45 Resp: 293016
Ion Ratio Lower Upper
45 100
77 13.8 0.0 33.6
79 11.1 0.0 30.6

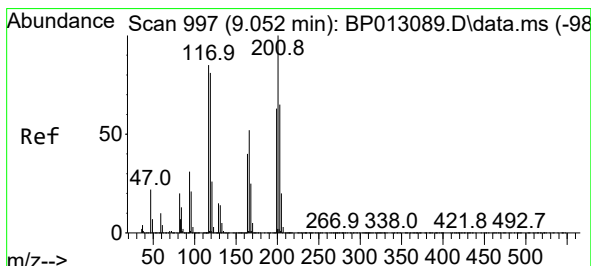
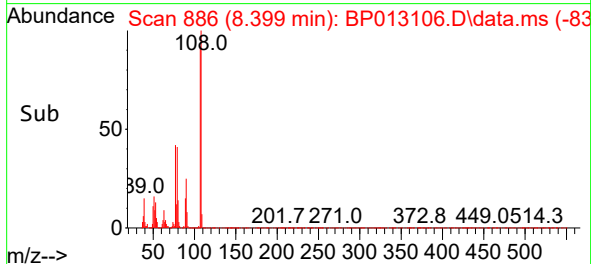
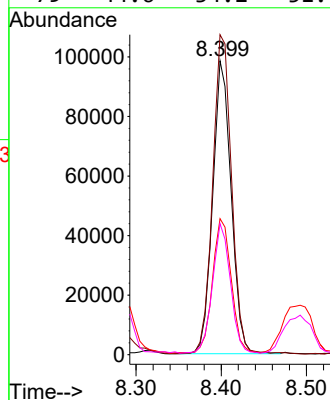
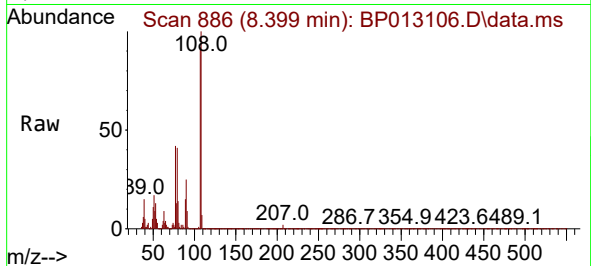




#17
2-Methylphenol
Concen: 6.220 ng
RT: 8.399 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

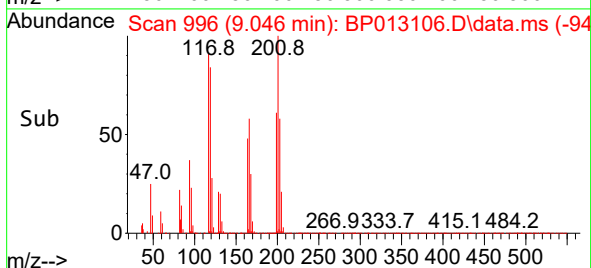
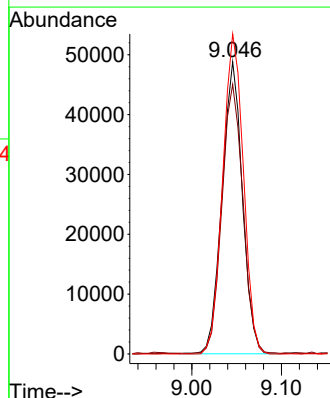
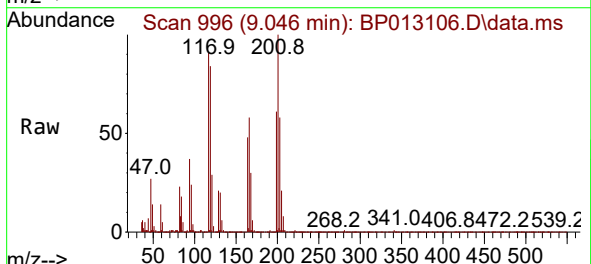
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

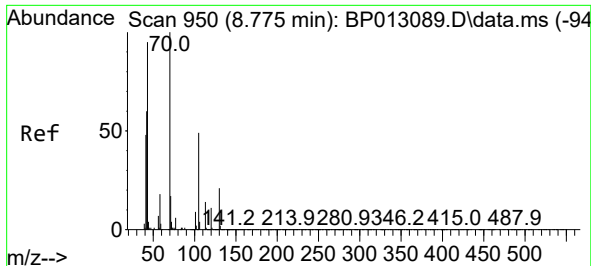
Tgt Ion:	107	Resp:	148044
Ion	Ratio	Lower	Upper
107	100		
108	108.8	89.6	134.4
77	46.2	35.5	53.3
79	44.6	34.2	51.4



#18
Hexachloroethane
Concen: 6.609 ng
RT: 9.046 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:	117	Resp:	77014
Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.7	115.1
201	109.5	94.6	141.8

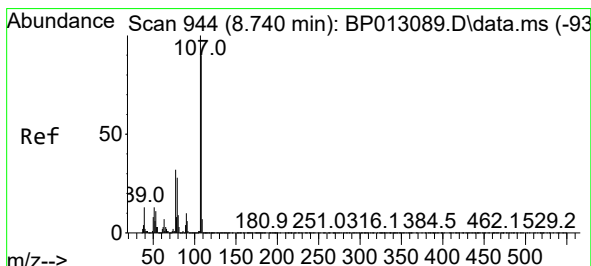
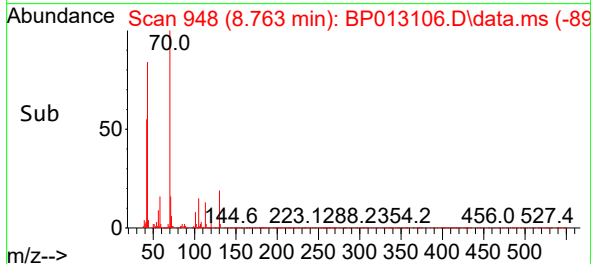
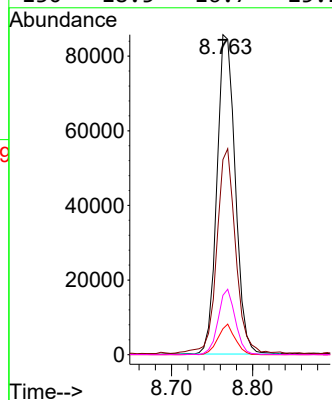
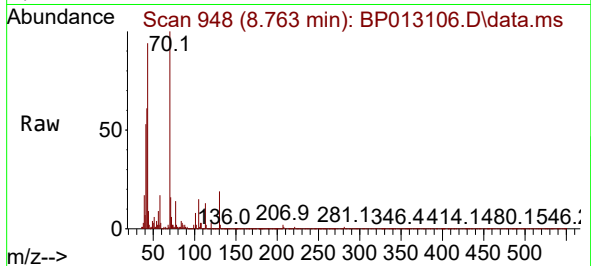




#19
n-Nitroso-di-n-propylamine
Concen: 6.430 ng
RT: 8.763 min Scan# 941
Delta R.T. -0.012 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

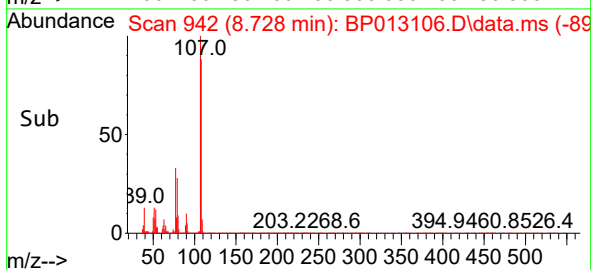
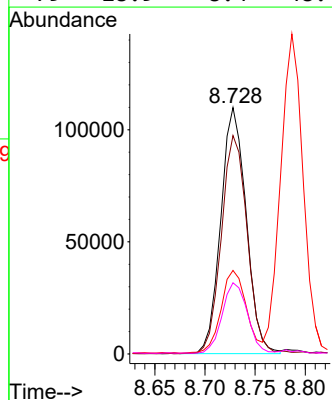
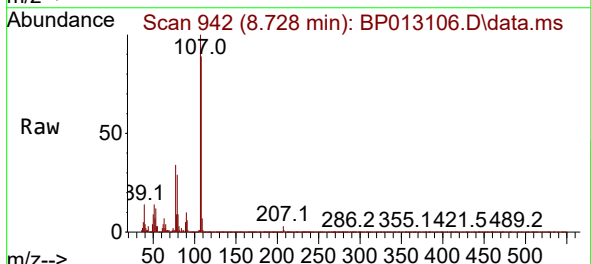
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

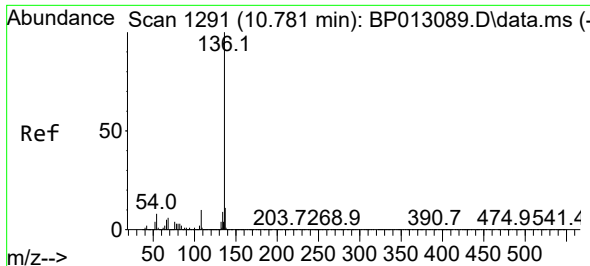
Tgt Ion:	70	Resp:	134351
Ion	Ratio	Lower	Upper
70	100		
42	60.9	48.5	72.7
101	8.1	7.4	11.2
130	18.5	16.7	25.1



#20
3+4-Methylphenols
Concen: 5.957 ng
RT: 8.728 min Scan# 942
Delta R.T. -0.012 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:	107	Resp:	192772
Ion	Ratio	Lower	Upper
107	100		
108	88.6	70.5	110.5
77	33.9	12.2	52.2
79	28.9	8.4	48.4

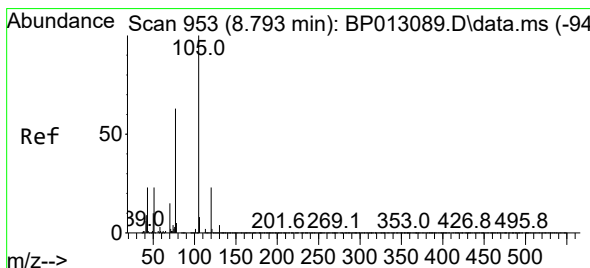
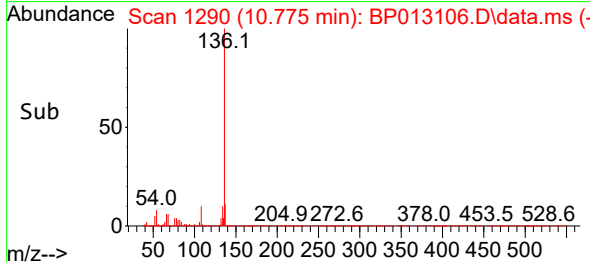
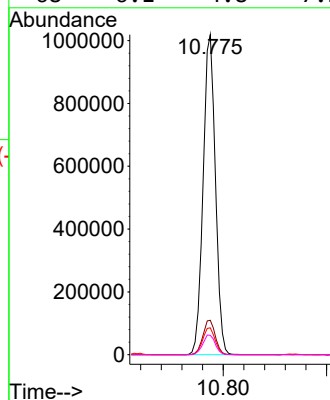
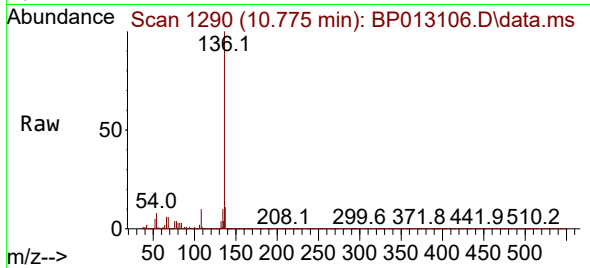




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

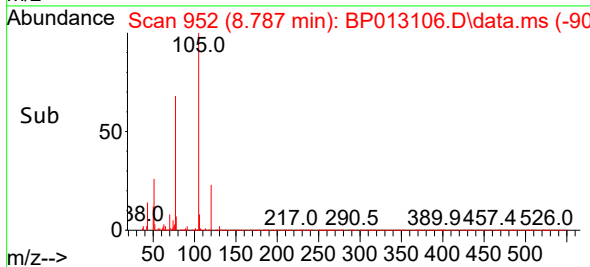
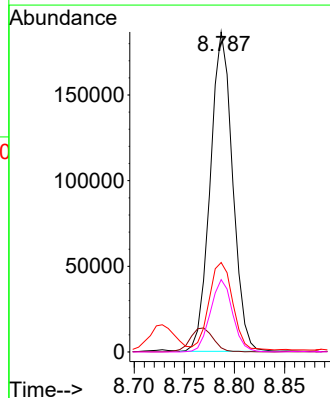
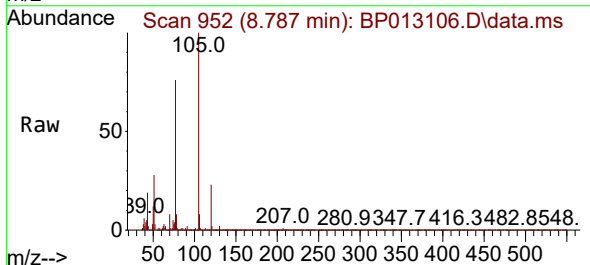
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

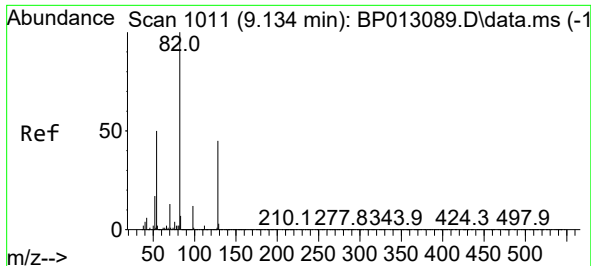
Tgt Ion:136 Resp: 1675379
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.4 6.2 9.4
68 6.1 4.8 7.2



#22
Acetophenone
Concen: 6.926 ng
RT: 8.787 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:105 Resp: 288747
Ion Ratio Lower Upper
105 100
71 1.3 2.2 3.4#
51 27.9 21.5 32.3
120 22.6 18.2 27.2

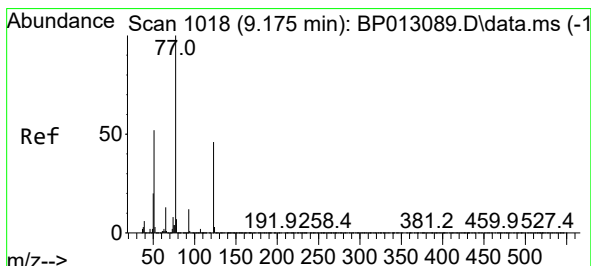
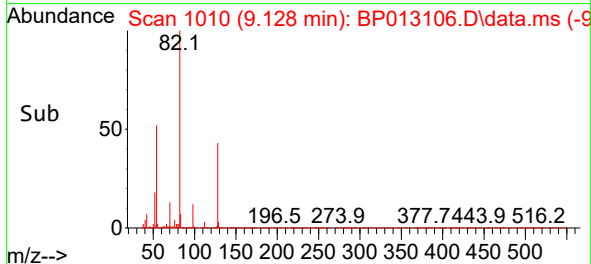
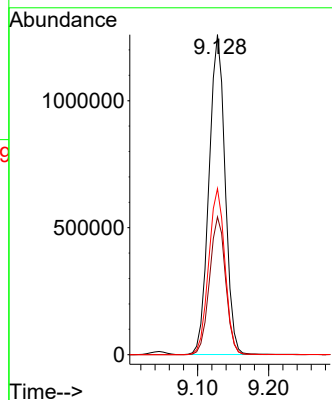
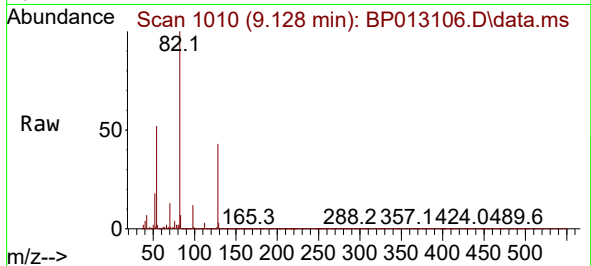




#23
Nitrobenzene-d5
Concen: 65.174 ng
RT: 9.128 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

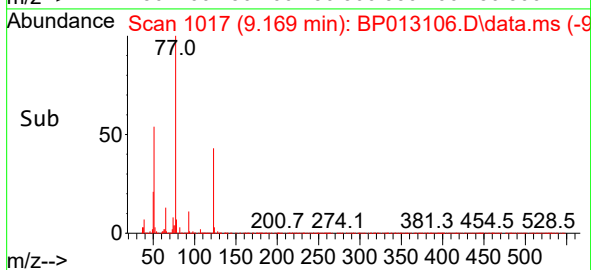
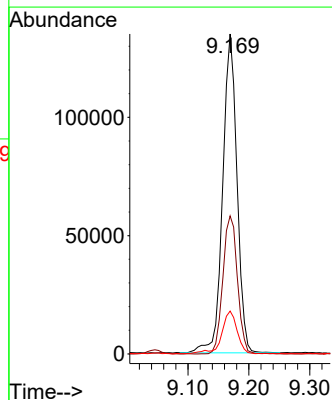
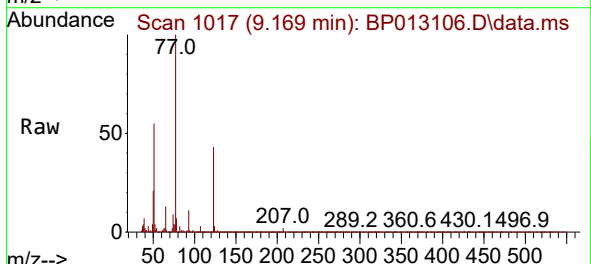
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

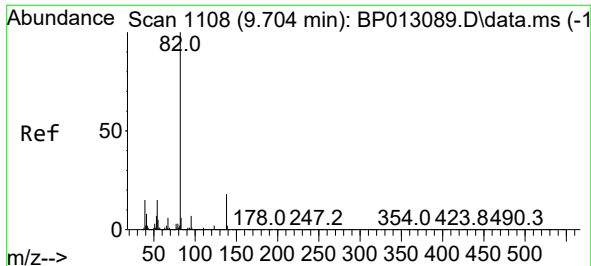
Tgt Ion: 82 Resp: 1991727
Ion Ratio Lower Upper
82 100
128 43.1 35.9 53.9
54 51.9 40.4 60.6



#24
Nitrobenzene
Concen: 6.911 ng
RT: 9.169 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 77 Resp: 220131
Ion Ratio Lower Upper
77 100
123 43.2 37.0 55.4
65 13.4 10.7 16.1

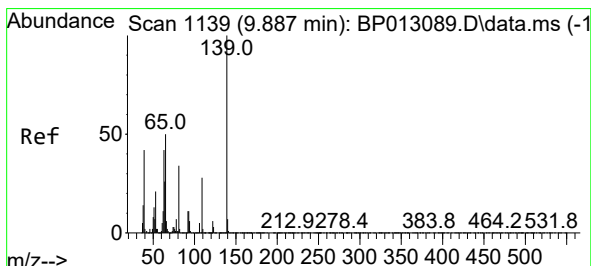
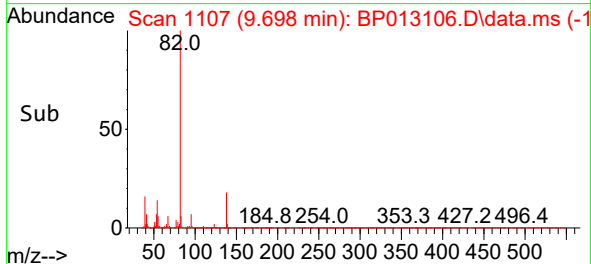
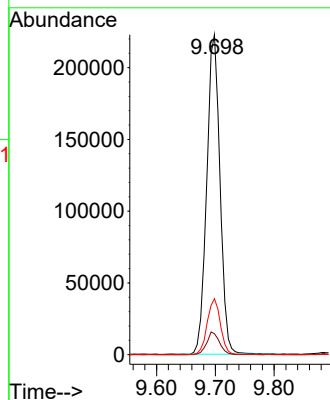
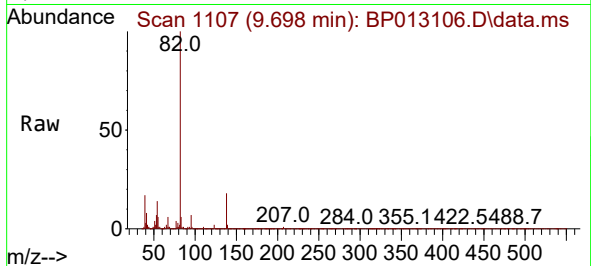




#25
Isophorone
Concen: 6.732 ng
RT: 9.698 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

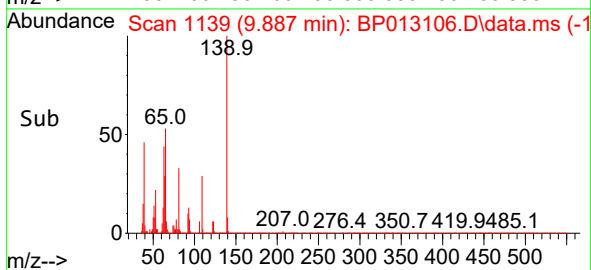
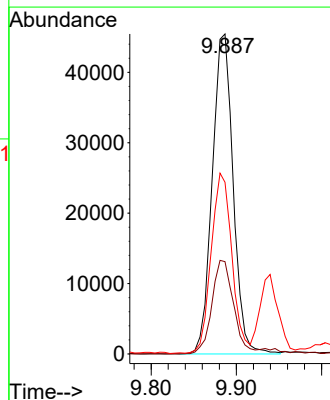
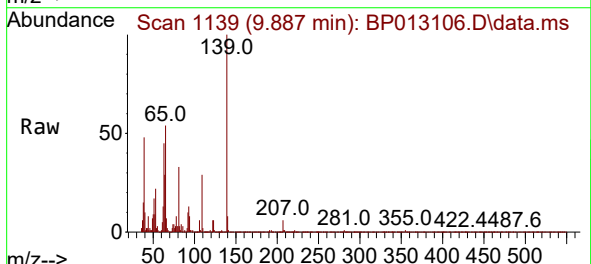
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

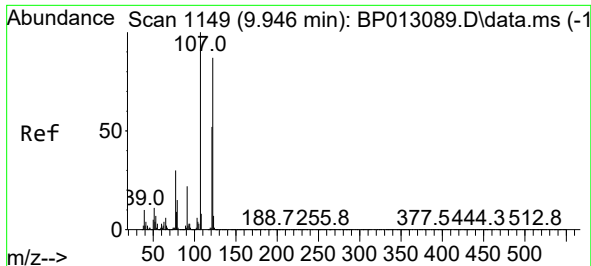
Tgt Ion: 82 Resp: 349393
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 17.5 14.5 21.7



#26
2-Nitrophenol
Concen: 5.319 ng
RT: 9.887 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 139 Resp: 77550
Ion Ratio Lower Upper
139 100
109 28.8 22.5 33.7
65 53.7 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 6.905 ng

RT: 9.940 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

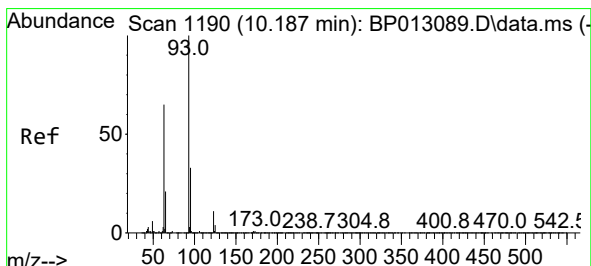
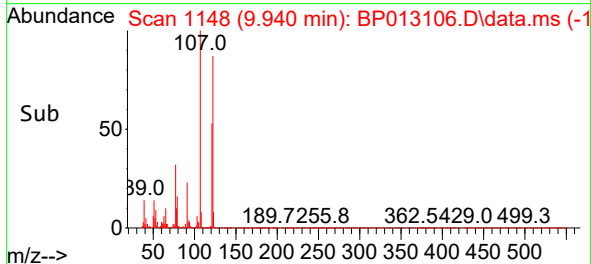
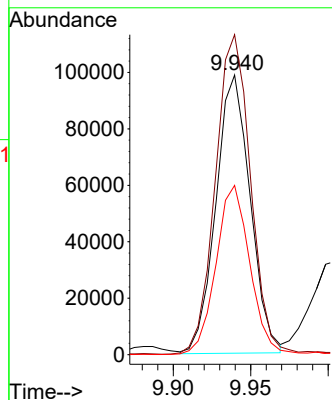
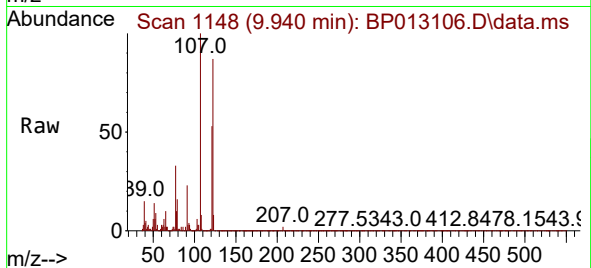
Tgt Ion:122 Resp: 151656

Ion Ratio Lower Upper

122 100

107 114.4 91.1 136.7

121 60.5 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 7.270 ng

RT: 10.175 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

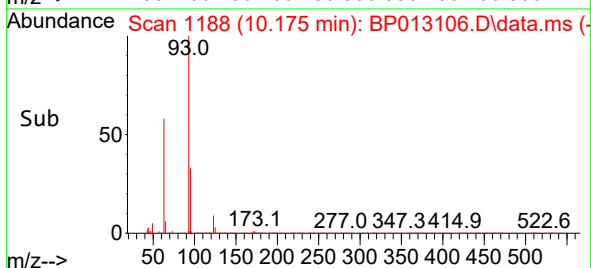
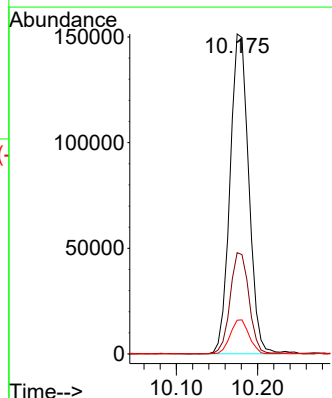
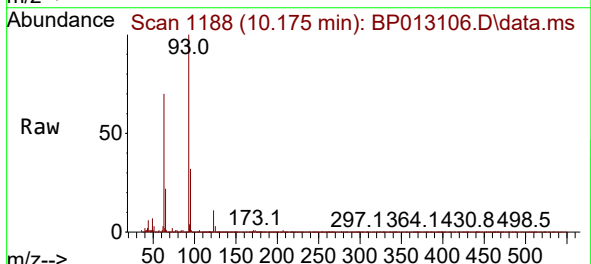
Tgt Ion: 93 Resp: 241960

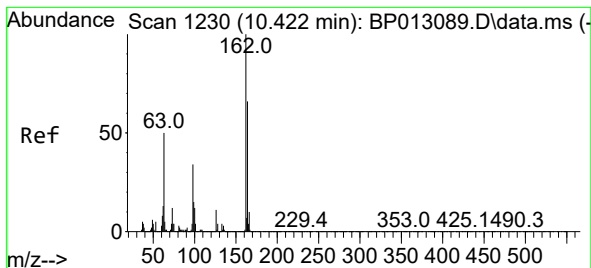
Ion Ratio Lower Upper

93 100

95 31.7 26.4 39.6

123 10.6 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 5.967 ng

RT: 10.416 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

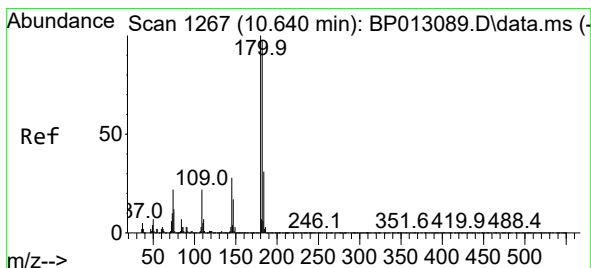
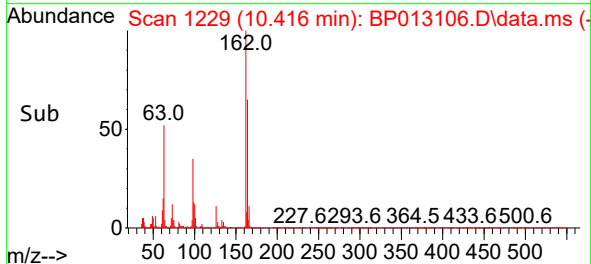
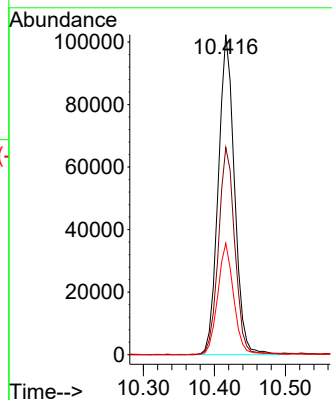
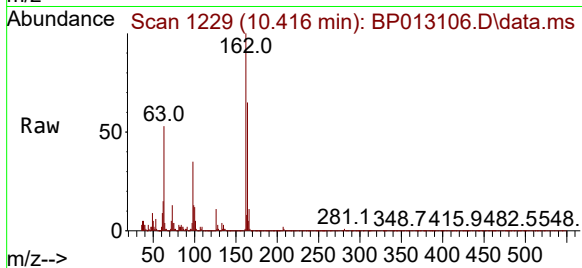
Tgt Ion:162 Resp: 161745

Ion Ratio Lower Upper

162 100

164 64.8 45.8 85.8

98 34.8 13.8 53.8



#30

1,2,4-Trichlorobenzene

Concen: 6.392 ng

RT: 10.634 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

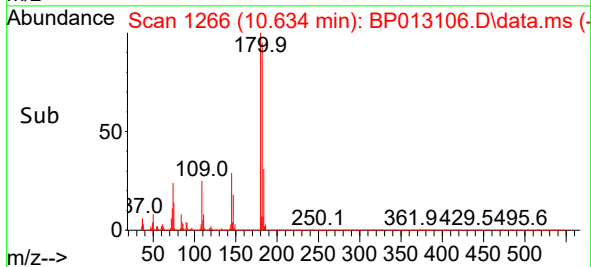
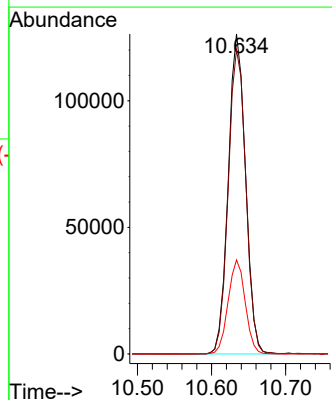
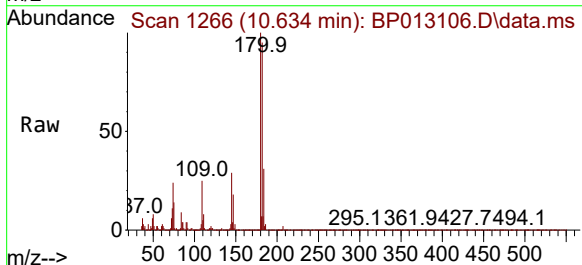
Tgt Ion:180 Resp: 204484

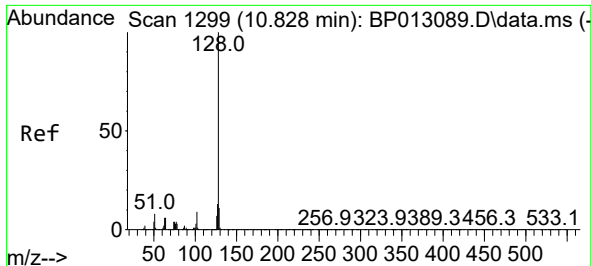
Ion Ratio Lower Upper

180 100

182 95.1 77.8 116.6

145 29.4 22.6 33.8

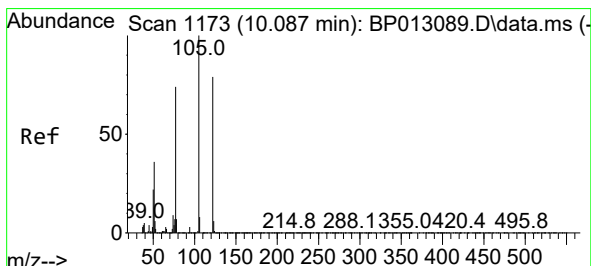
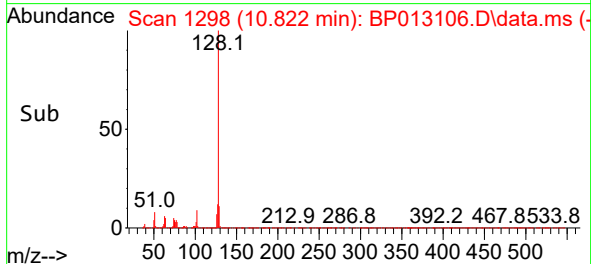
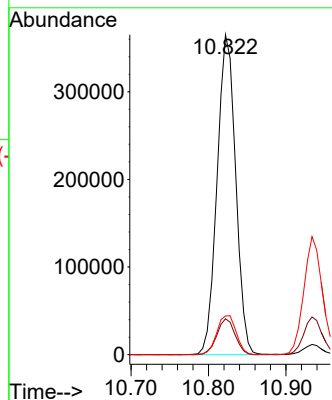
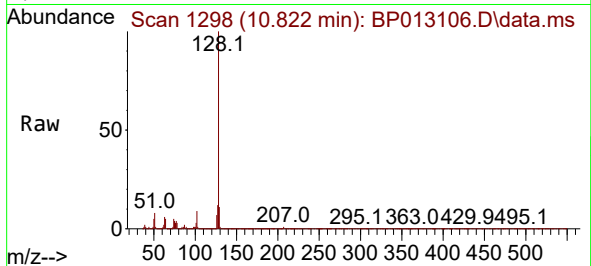




#31
Naphthalene
Concen: 6.634 ng
RT: 10.822 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

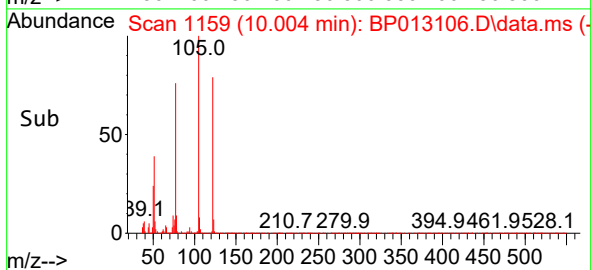
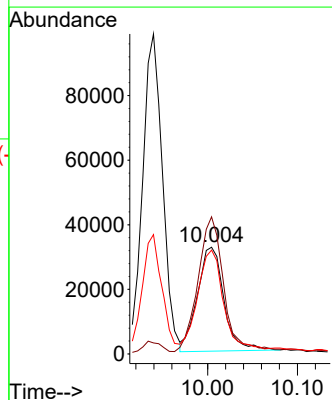
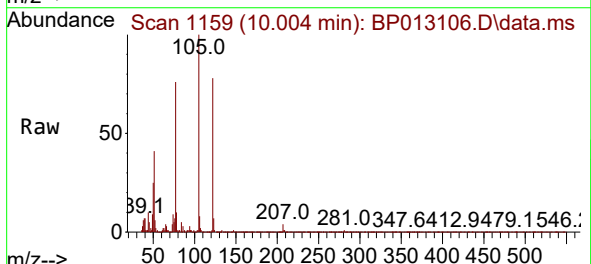
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

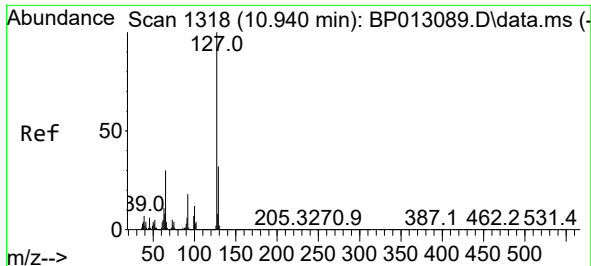
Tgt Ion:128 Resp: 608604
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.1 10.4 15.6



#32
Benzoic acid
Concen: 3.810 ng
RT: 10.004 min Scan# 1159
Delta R.T. -0.083 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:122 Resp: 66011
Ion Ratio Lower Upper
122 100
105 128.4 101.9 141.9
77 97.3 71.7 111.7

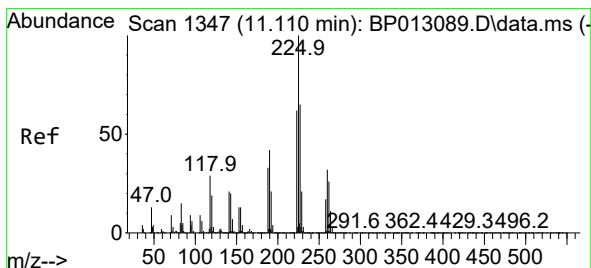
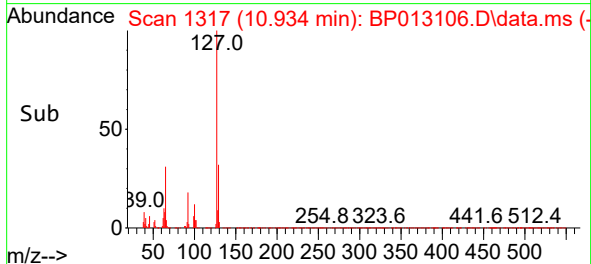
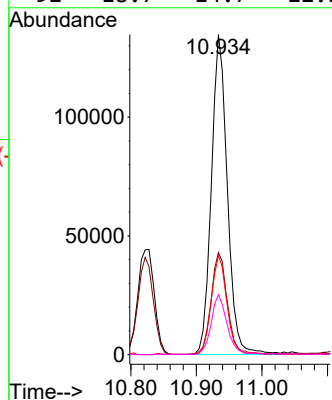
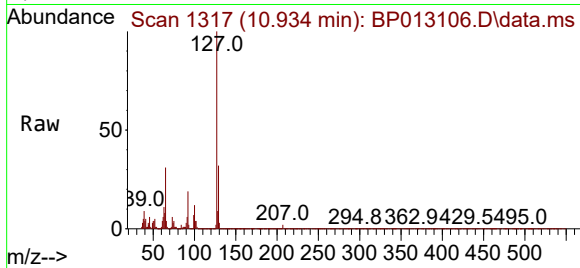




#33
4-Chloroaniline
Concen: 6.660 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

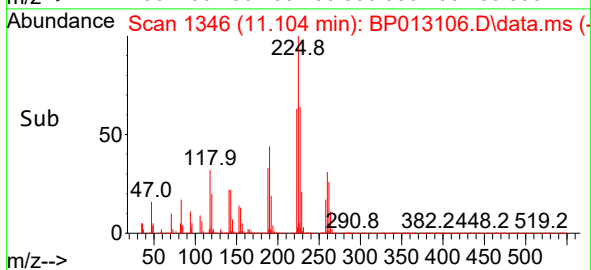
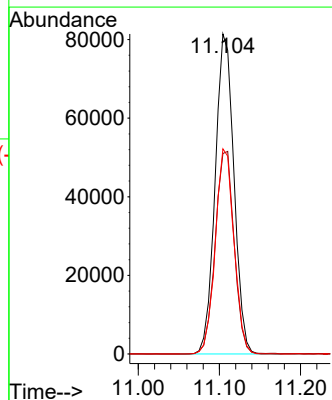
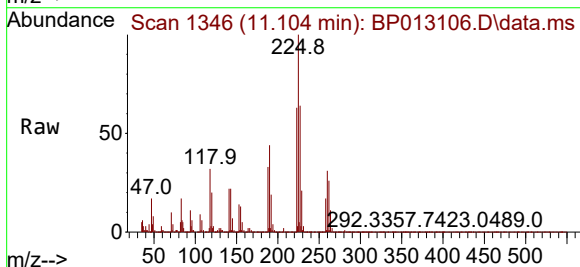
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

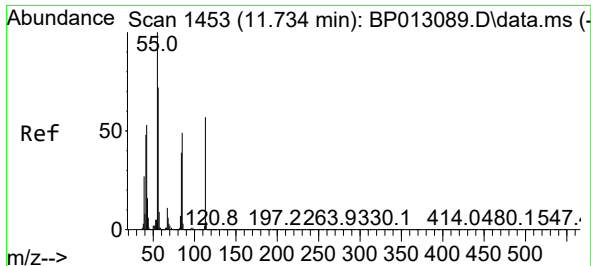
Tgt Ion:	127	Resp:	227851
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	31.0	23.8	35.8
92	18.7	14.7	22.1



#34
Hexachlorobutadiene
Concen: 6.414 ng
RT: 11.104 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:	225	Resp:	130898
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.0
227	64.1	52.0	78.0

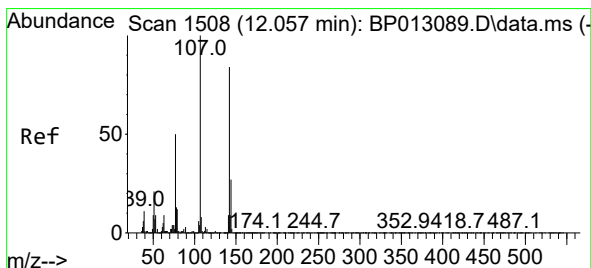
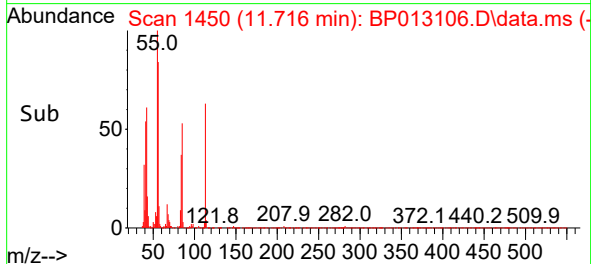
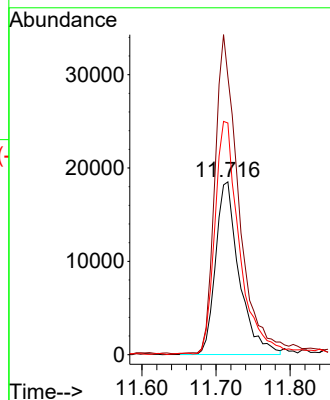
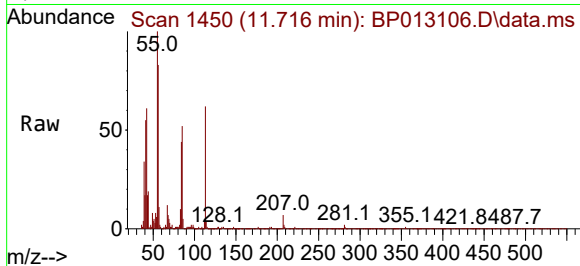




#35
Caprolactam
Concen: 5.834 ng
RT: 11.716 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

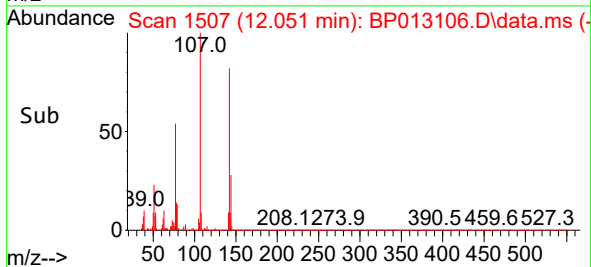
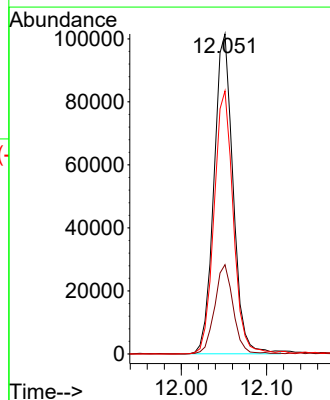
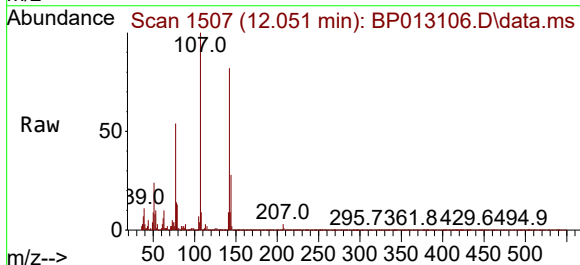
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

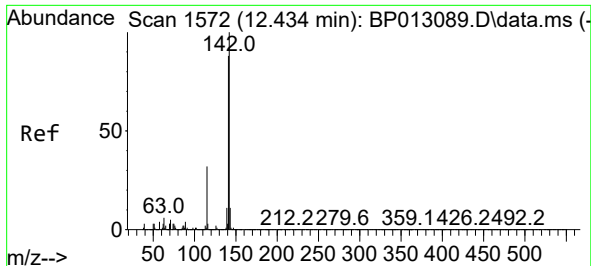
Tgt Ion:113 Resp: 40828
Ion Ratio Lower Upper
113 100
55 160.9 155.5 195.5
56 134.1 106.7 146.7



#36
4-Chloro-3-methylphenol
Concen: 6.250 ng
RT: 12.051 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:107 Resp: 158234
Ion Ratio Lower Upper
107 100
144 27.9 21.5 32.3
142 82.2 67.2 100.8

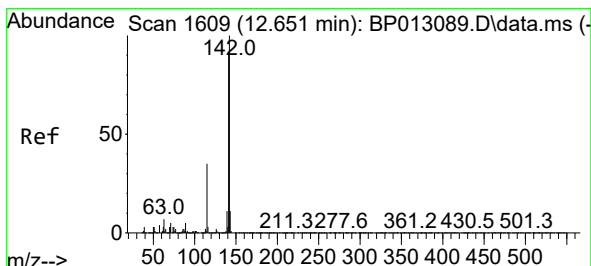
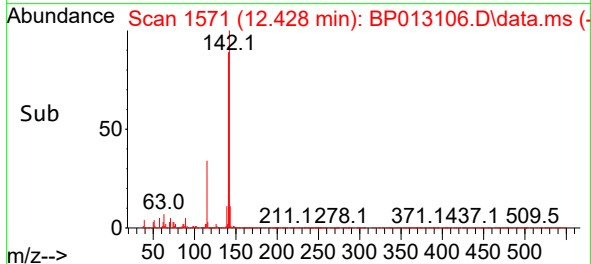
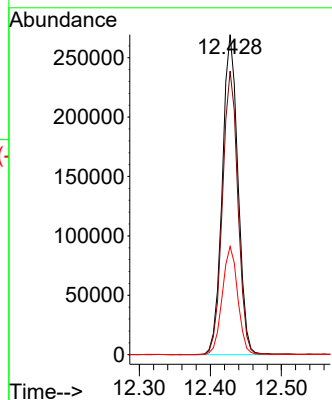
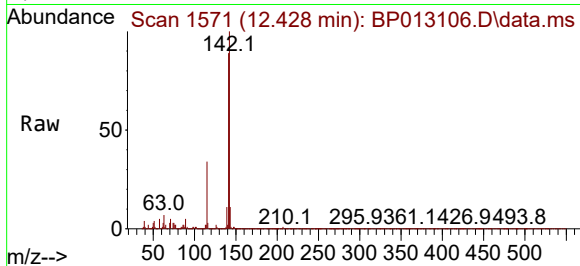




#37
2-Methylnaphthalene
Concen: 6.661 ng
RT: 12.428 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

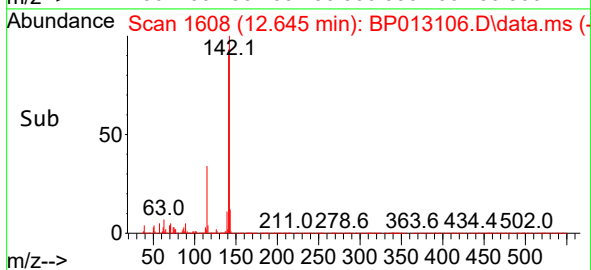
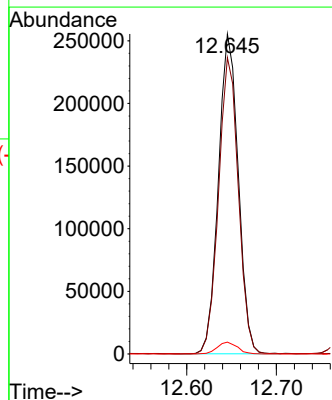
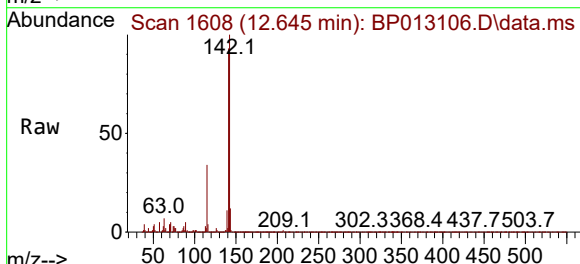
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

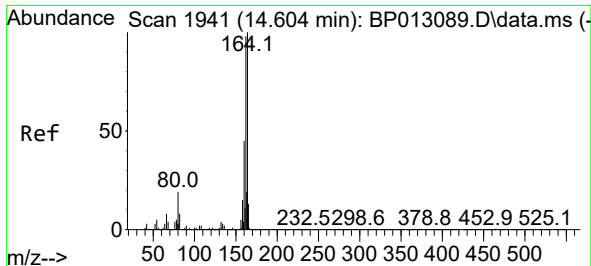
Tgt Ion:142 Resp: 410947
Ion Ratio Lower Upper
142 100
141 88.6 70.4 105.6
115 33.8 25.7 38.5



#38
1-Methylnaphthalene
Concen: 6.516 ng
RT: 12.645 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:142 Resp: 391473
Ion Ratio Lower Upper
142 100
141 92.6 73.0 109.4
116 3.7 2.8 4.2

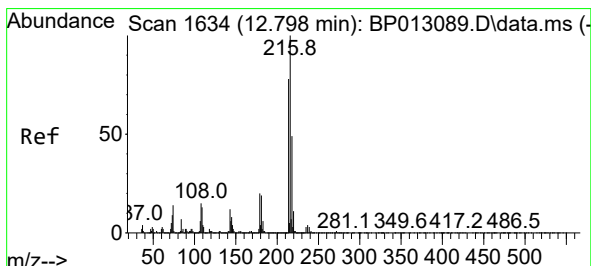
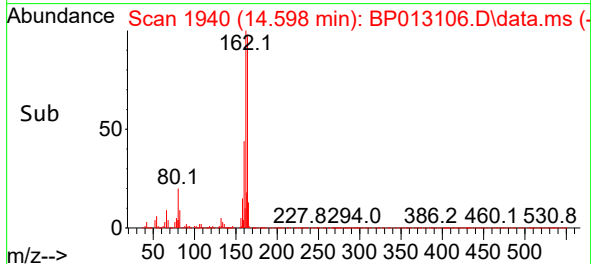
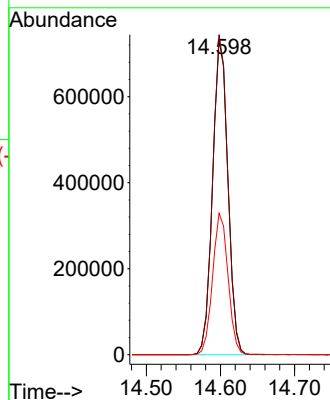
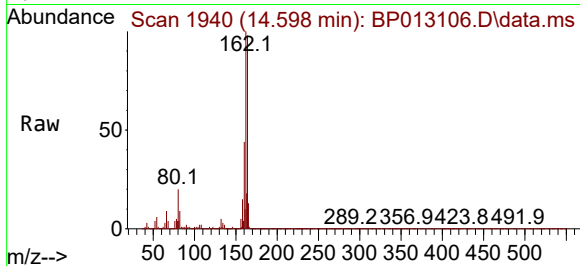




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

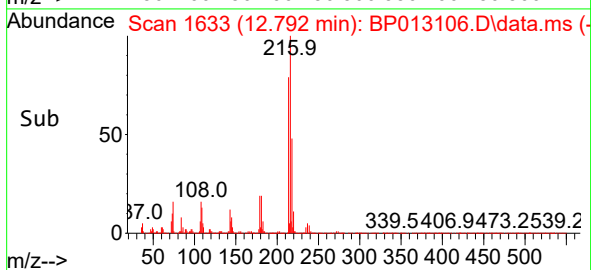
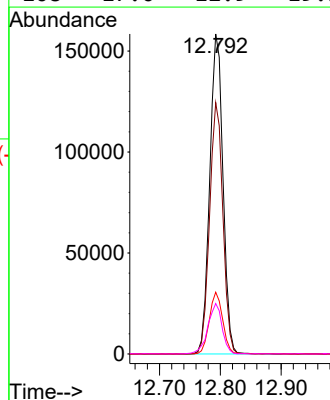
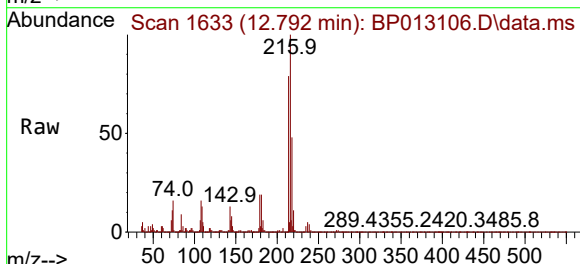
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

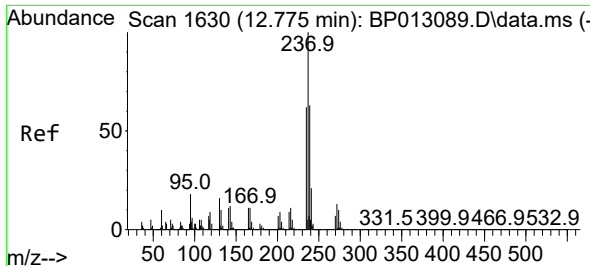
Tgt Ion:164 Resp: 1048425
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 45.0 36.0 54.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.399 ng
RT: 12.792 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:216 Resp: 239355
Ion Ratio Lower Upper
216 100
214 78.9 62.6 94.0
179 19.4 15.7 23.5
108 17.0 12.9 19.3

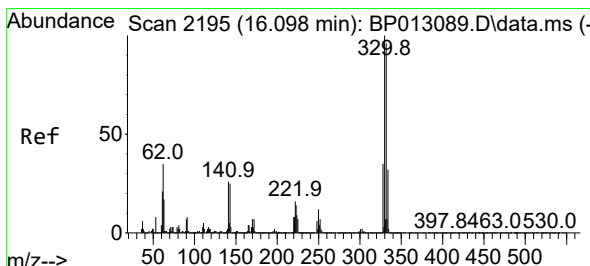
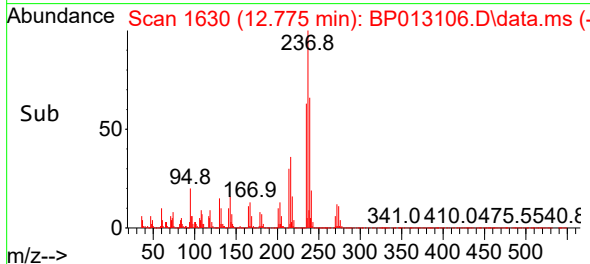
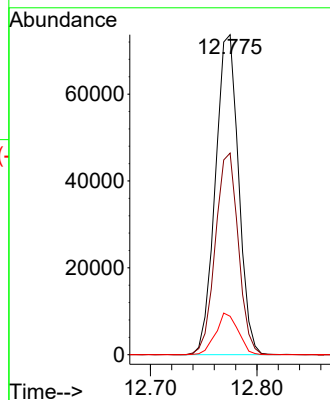
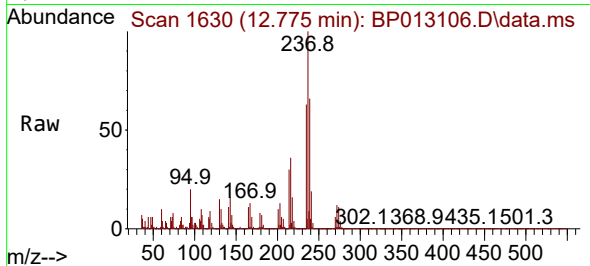




#41
Hexachlorocyclopentadiene
Concen: 5.890 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

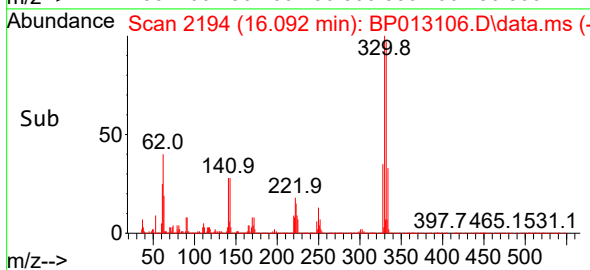
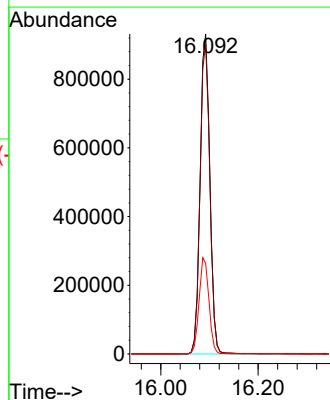
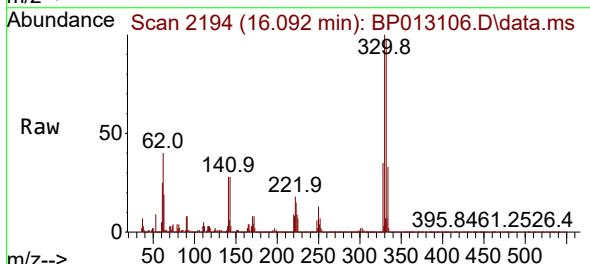
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

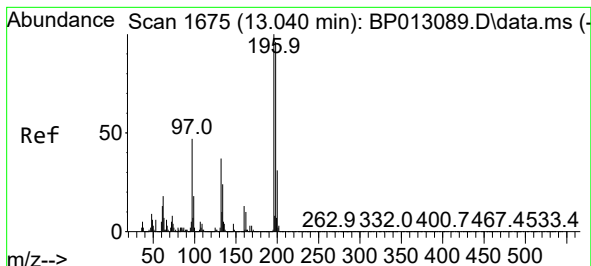
Tgt Ion:237 Resp: 111084
Ion Ratio Lower Upper
237 100
235 63.0 41.8 81.8
272 12.0 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 102.870 ng
RT: 16.092 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:330 Resp: 1300350
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 30.5 23.2 34.8





#43

2,4,6-Trichlorophenol

Concen: 5.496 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

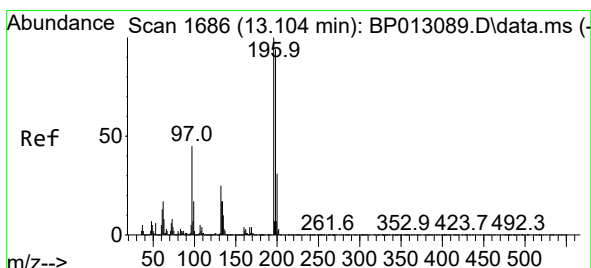
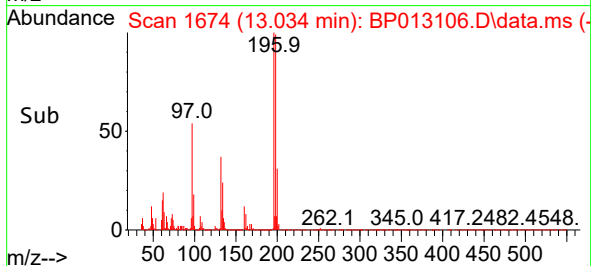
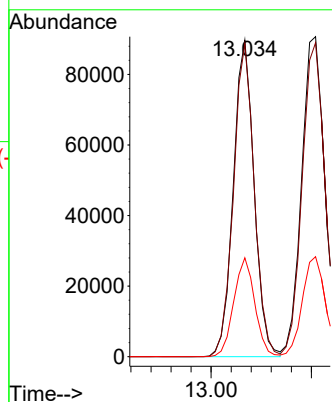
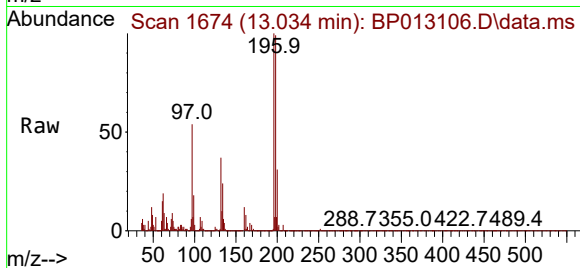
Tgt Ion:196 Resp: 129630

Ion Ratio Lower Upper

196 100

198 98.9 76.9 115.3

200 31.2 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 5.749 ng

RT: 13.104 min Scan# 1686

Delta R.T. 0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Tgt Ion:196 Resp: 146509

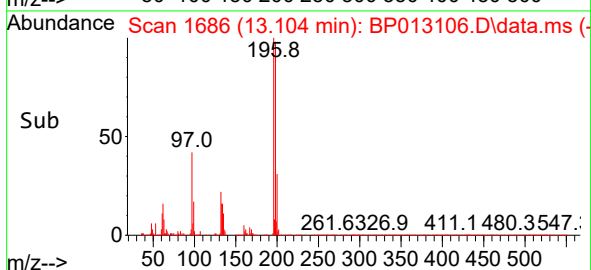
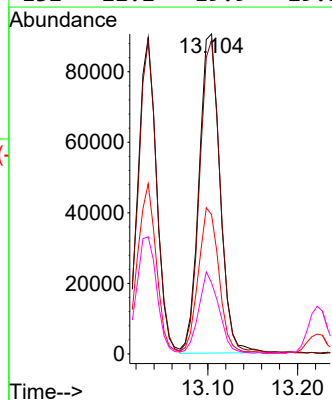
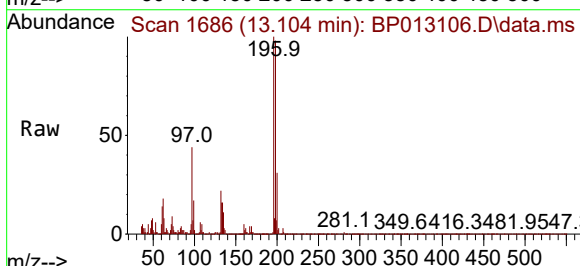
Ion Ratio Lower Upper

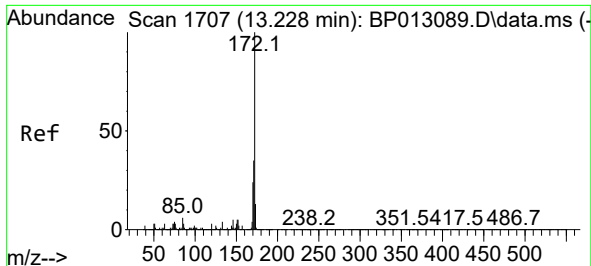
196 100

198 98.1 75.3 112.9

97 43.5 36.1 54.1

132 22.2 19.9 29.9

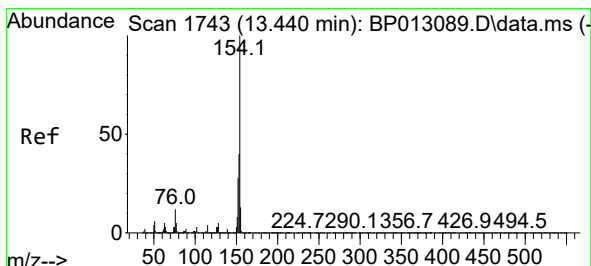
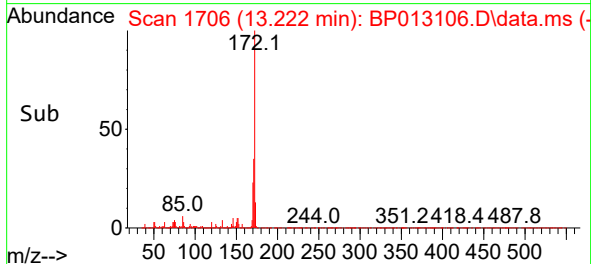
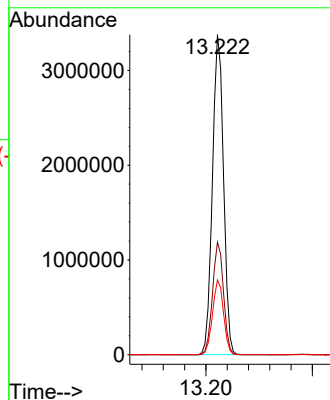
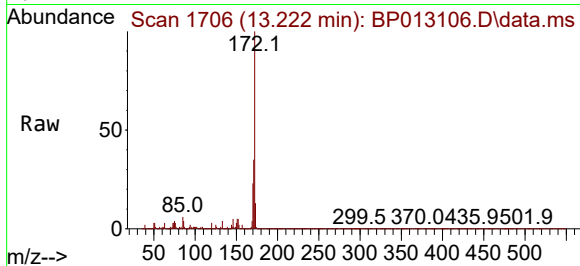




#45
2-Fluorobiphenyl
Concen: 63.204 ng
RT: 13.222 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

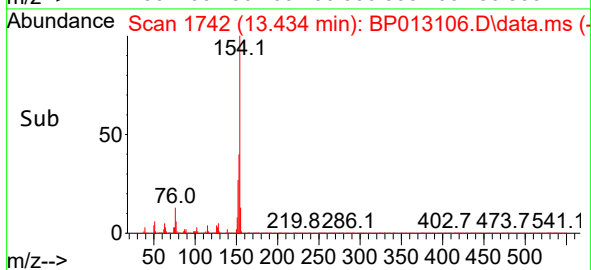
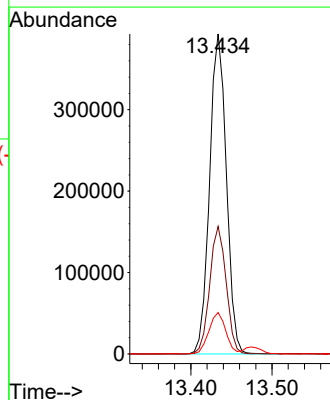
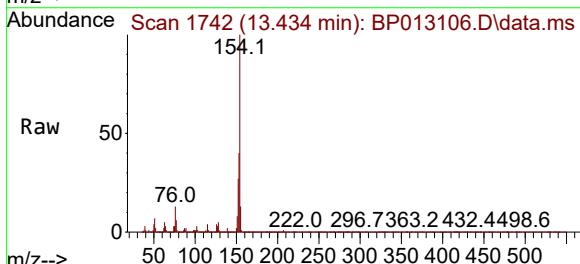
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

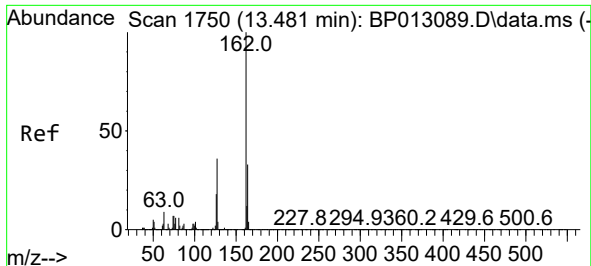
Tgt Ion:172 Resp: 4880336
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.4 19.2 28.8



#46
1,1'-Biphenyl
Concen: 6.791 ng
RT: 13.434 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:154 Resp: 562951
Ion Ratio Lower Upper
154 100
153 39.8 19.9 59.9
76 12.9 0.0 32.2

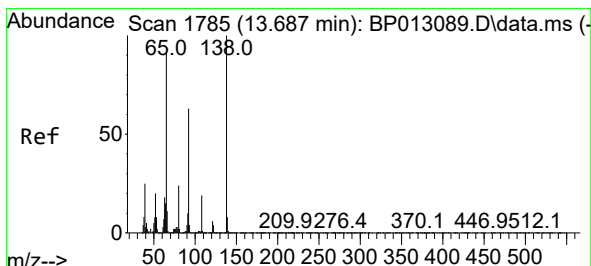
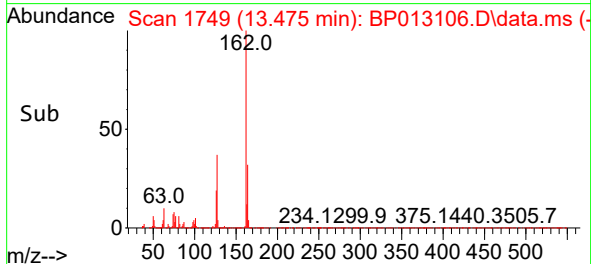
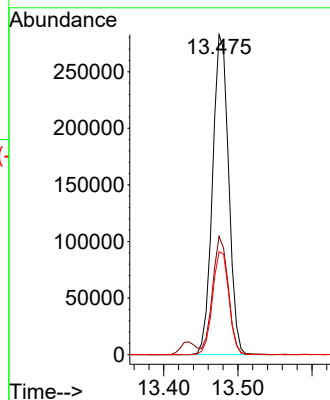
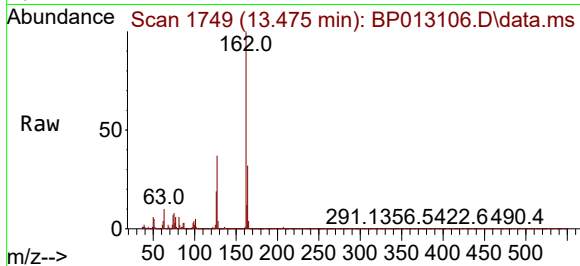




#47
2-Chloronaphthalene
Concen: 6.484 ng
RT: 13.475 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

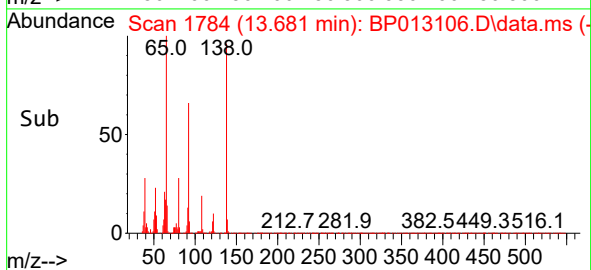
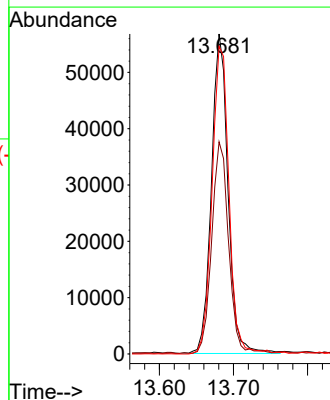
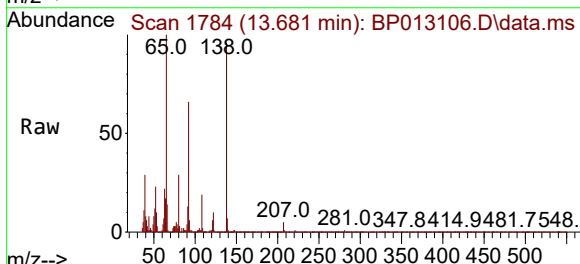
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

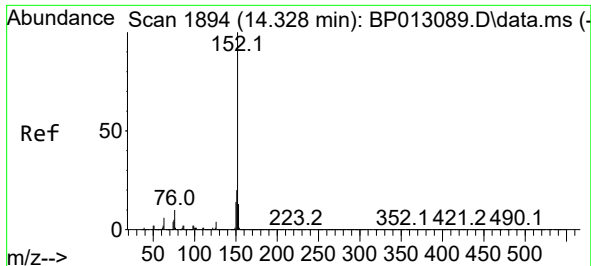
Tgt Ion:162 Resp: 427208
Ion Ratio Lower Upper
162 100
127 37.0 29.0 43.6
164 32.2 26.7 40.1



#48
2-Nitroaniline
Concen: 5.412 ng
RT: 13.681 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion: 65 Resp: 88214
Ion Ratio Lower Upper
65 100
92 66.3 55.4 83.2
138 96.1 88.1 132.1

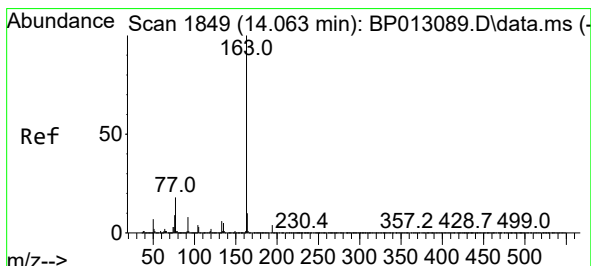
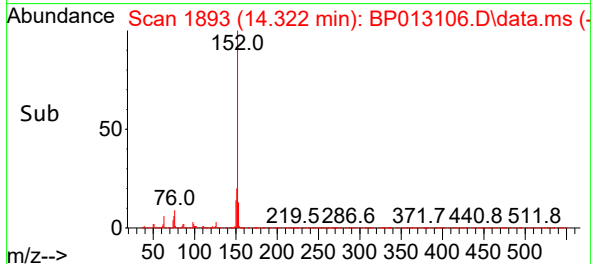
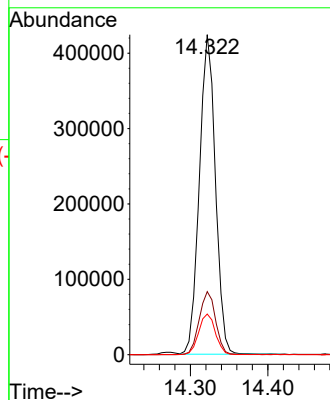
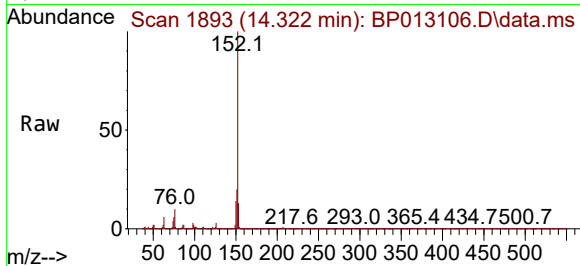




#49
Acenaphthylene
Concen: 6.291 ng
RT: 14.322 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

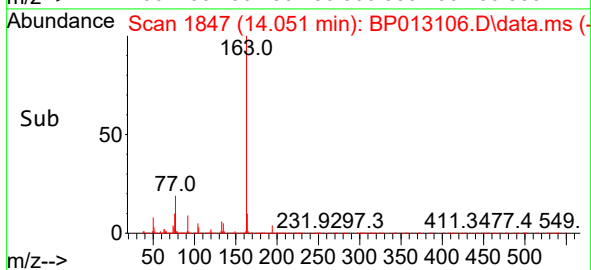
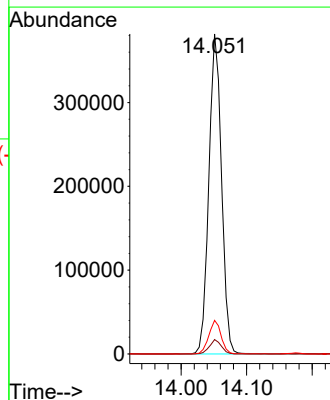
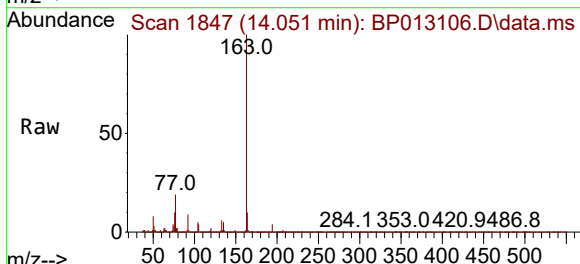
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

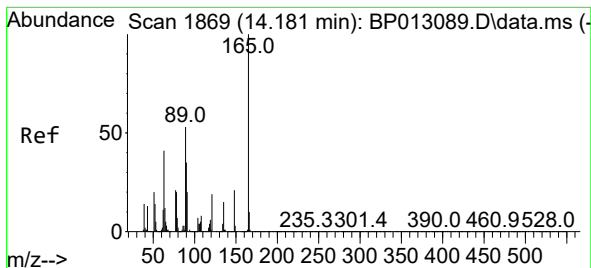
Tgt Ion:152 Resp: 609693
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 12.7 10.7 16.1



#50
Dimethylphthalate
Concen: 6.689 ng
RT: 14.051 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:163 Resp: 512931
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.915 ng

RT: 14.175 min Scan# 1868

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

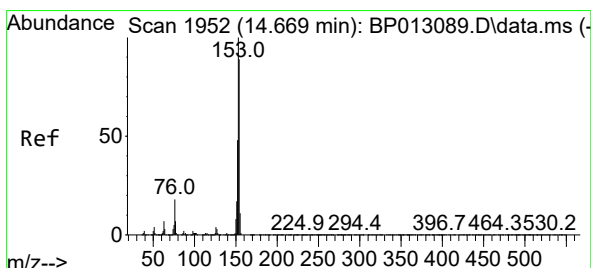
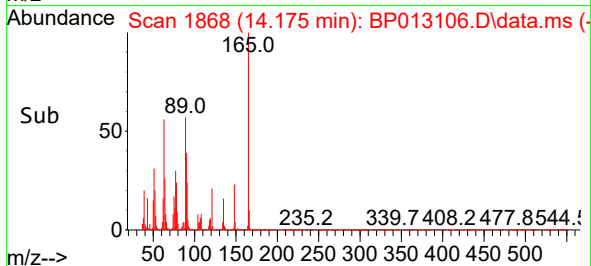
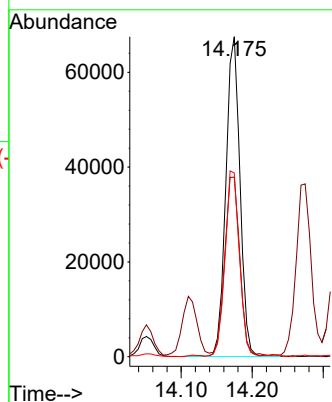
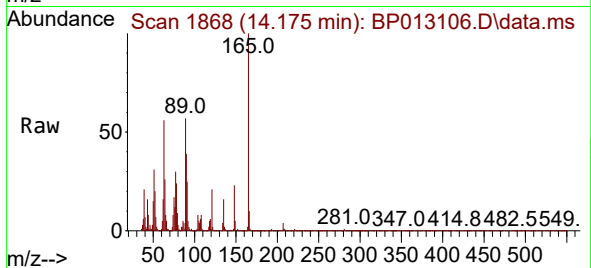
Tgt Ion:165 Resp: 92816

Ion Ratio Lower Upper

165 100

63 56.1 41.8 62.8

89 57.4 42.4 63.6



#52

Acenaphthene

Concen: 6.532 ng

RT: 14.663 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

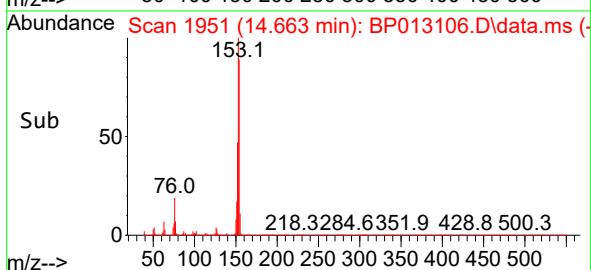
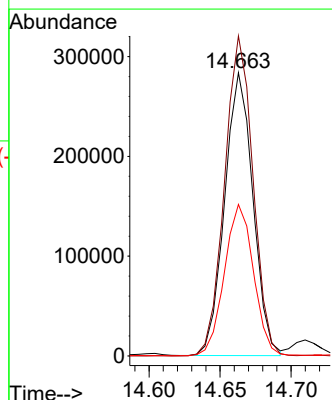
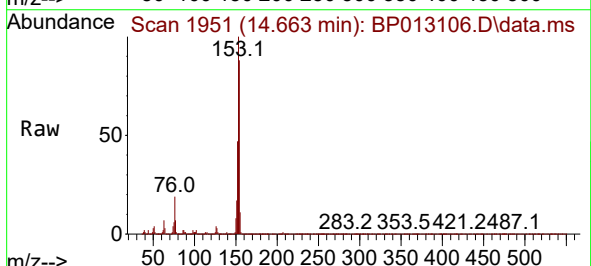
Tgt Ion:154 Resp: 393572

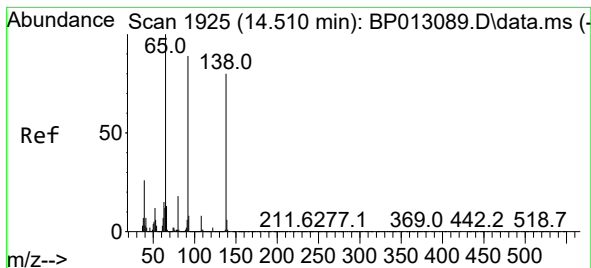
Ion Ratio Lower Upper

154 100

153 113.0 90.0 135.0

152 53.5 43.0 64.6





#53

3-Nitroaniline

Concen: 5.619 ng

RT: 14.504 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

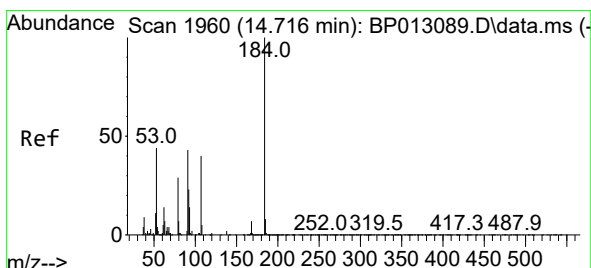
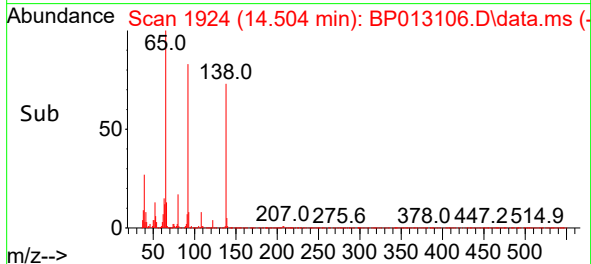
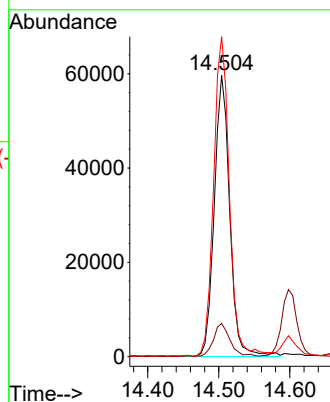
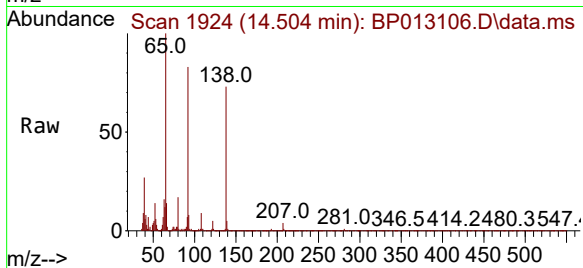
Tgt Ion:138 Resp: 89909

Ion Ratio Lower Upper

138 100

108 11.8 7.8 11.6#

92 113.7 89.2 133.8



#54

2,4-Dinitrophenol

Concen: 4.035 ng

RT: 14.710 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

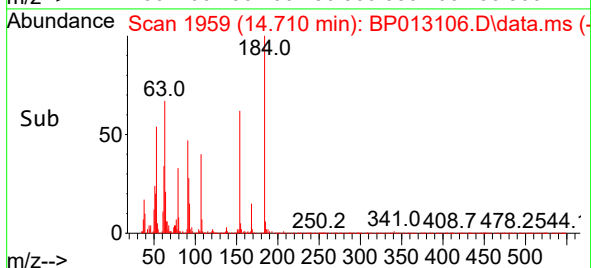
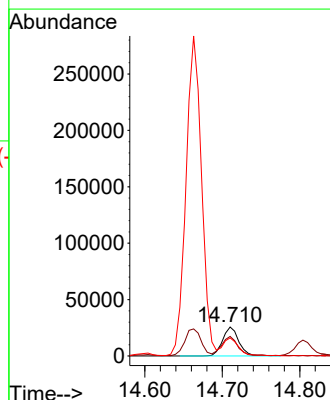
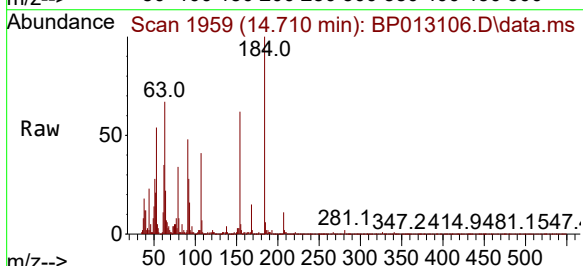
Tgt Ion:184 Resp: 37723

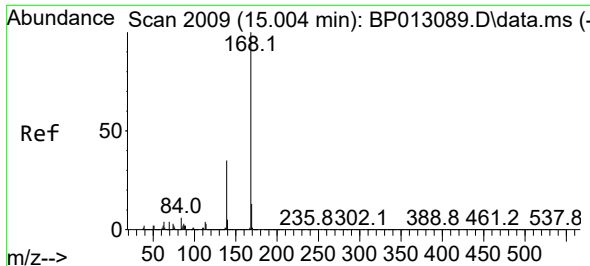
Ion Ratio Lower Upper

184 100

63 67.3 47.6 71.4

154 62.3 45.5 68.3

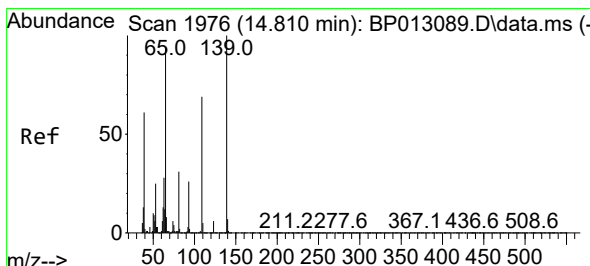
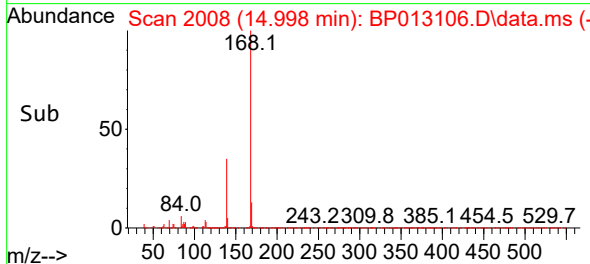
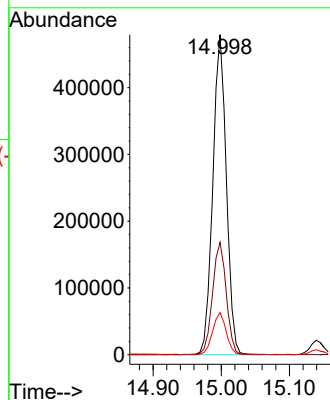
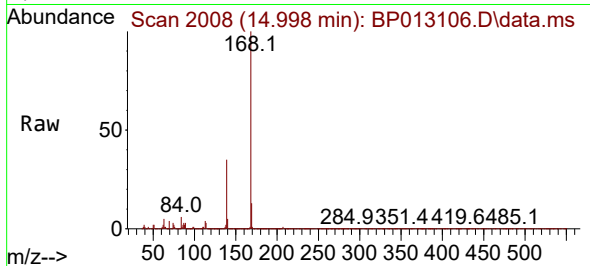




#55
Dibenzofuran
Concen: 6.853 ng
RT: 14.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

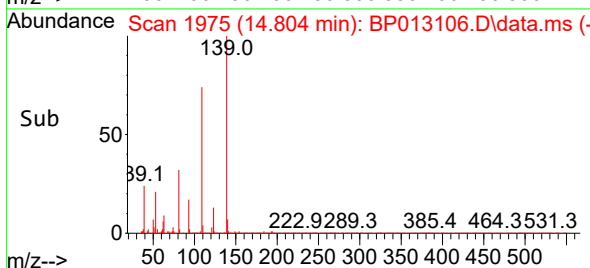
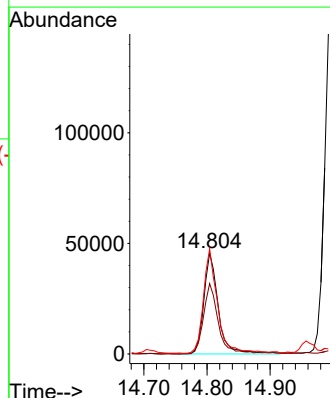
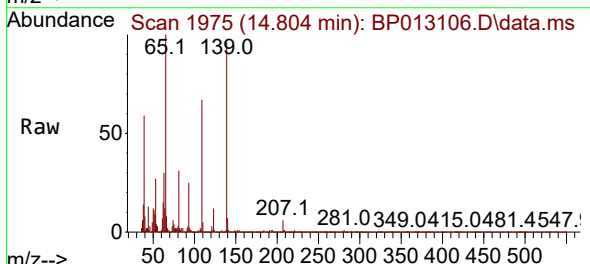
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

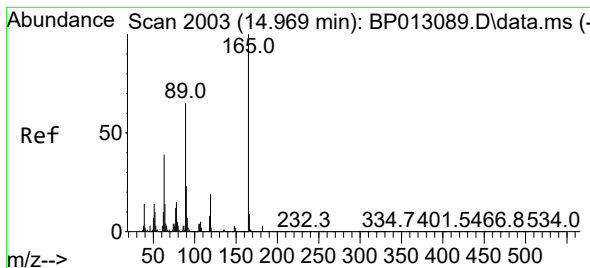
Tgt Ion:168 Resp: 660821
Ion Ratio Lower Upper
168 100
139 35.1 27.8 41.8
169 13.1 10.7 16.1



#56
4-Nitrophenol
Concen: 5.512 ng
RT: 14.804 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:139 Resp: 72287
Ion Ratio Lower Upper
139 100
109 69.7 49.4 89.4
65 104.1 74.1 114.1





#57

2,4-Dinitrotoluene

Concen: 5.659 ng

RT: 14.963 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:165 Resp: 111010

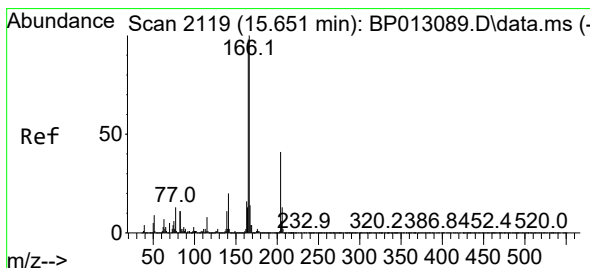
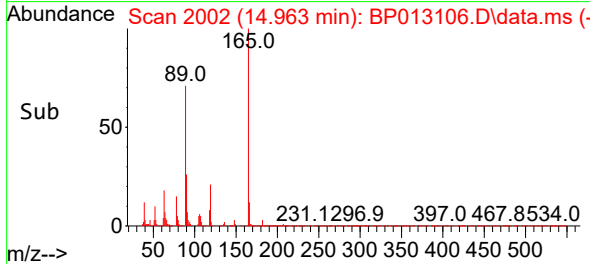
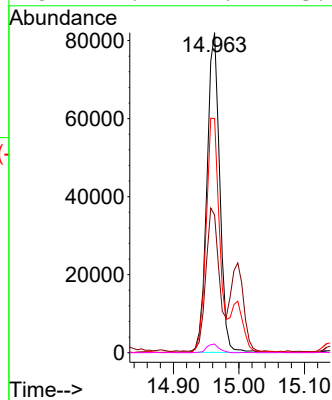
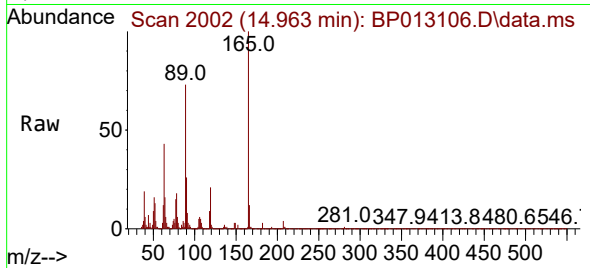
Ion Ratio Lower Upper

165 100

63 43.1 31.4 47.2

89 73.2 52.1 78.1

182 2.7 2.2 3.4



#58

Fluorene

Concen: 6.922 ng

RT: 15.651 min Scan# 2119

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

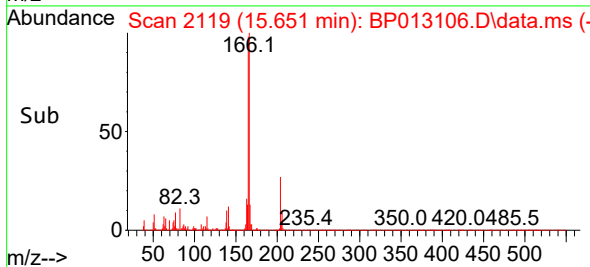
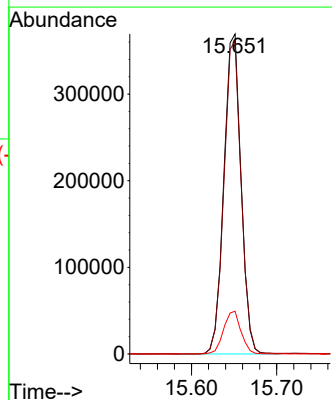
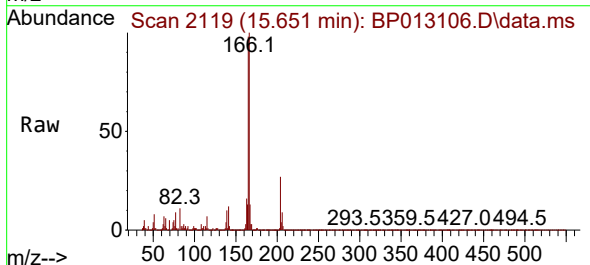
Tgt Ion:166 Resp: 516549

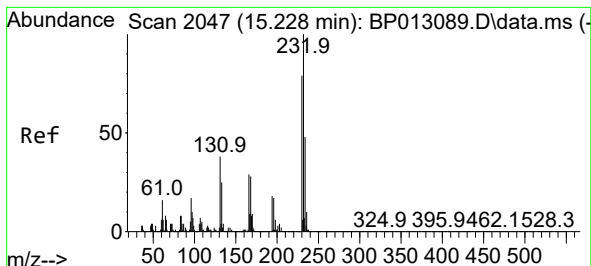
Ion Ratio Lower Upper

166 100

165 97.7 78.2 117.4

167 13.3 11.2 16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.064 ng

RT: 15.222 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:232 Resp: 132098

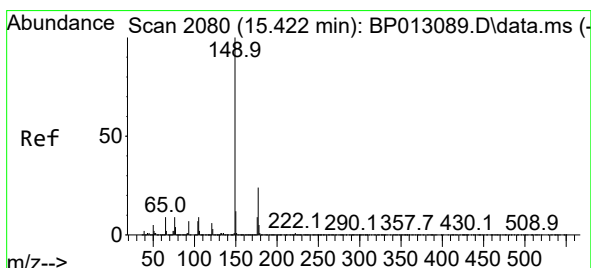
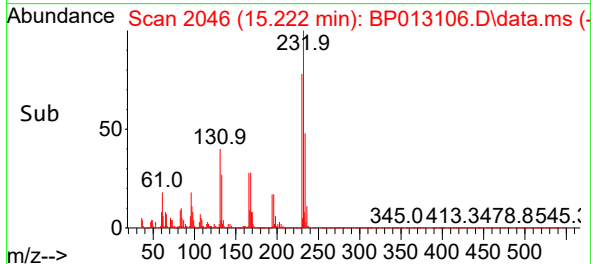
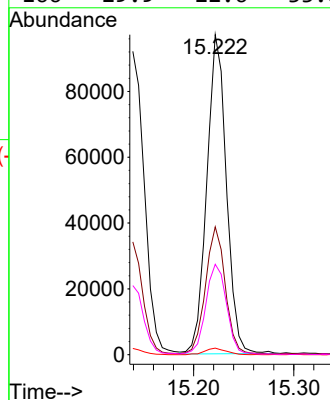
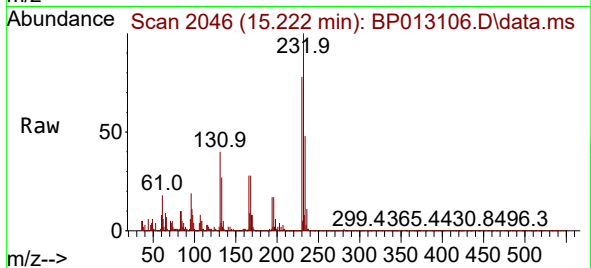
Ion Ratio Lower Upper

232 100

131 40.3 30.8 46.2

130 2.2 1.7 2.5

166 29.9 22.6 33.8



#60

Diethylphthalate

Concen: 6.812 ng

RT: 15.416 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

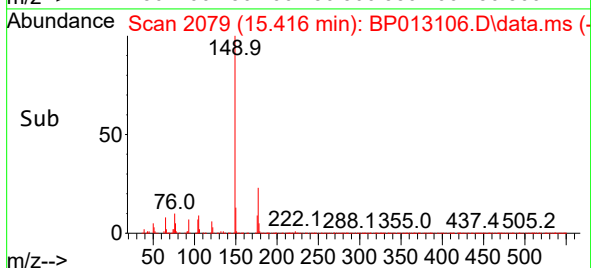
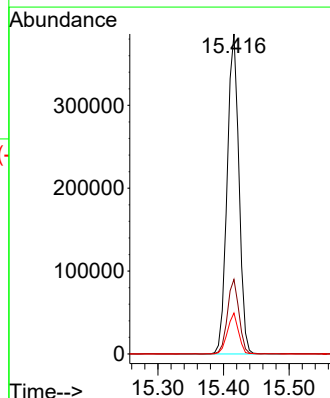
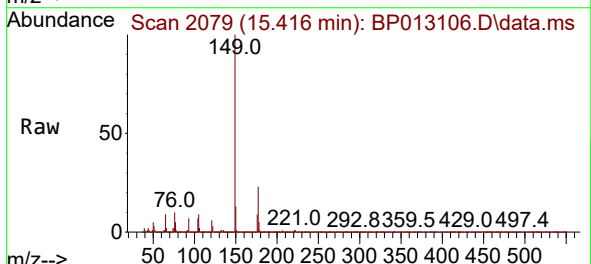
Tgt Ion:149 Resp: 480261

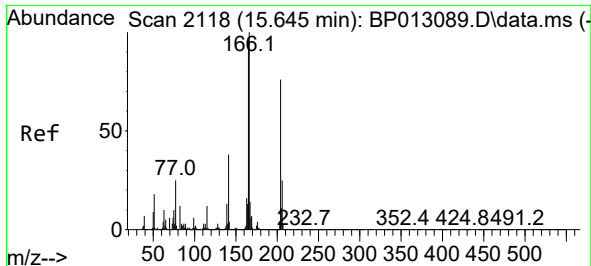
Ion Ratio Lower Upper

149 100

177 23.3 19.0 28.4

150 12.8 9.9 14.9

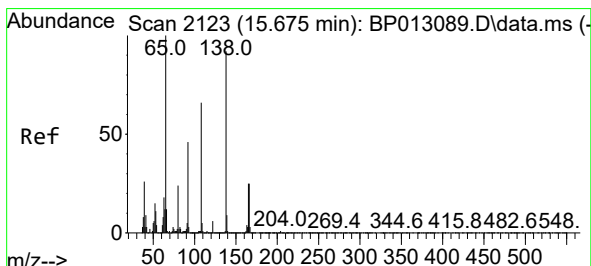
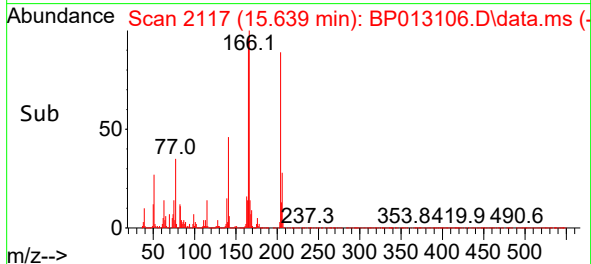
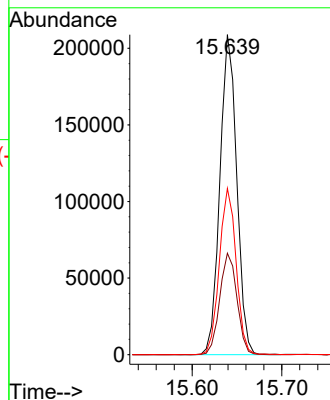
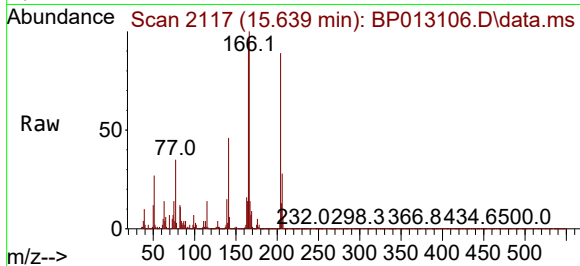




#61
4-Chlorophenyl-phenylether
Concen: 7.039 ng
RT: 15.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

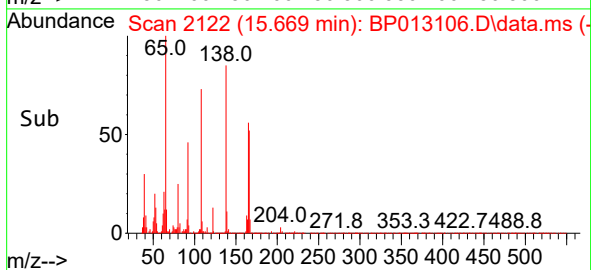
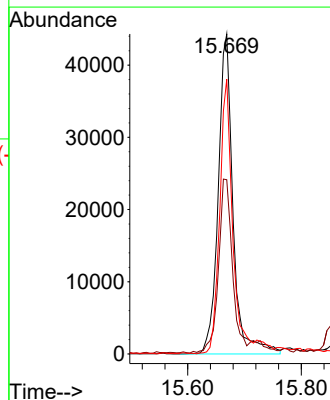
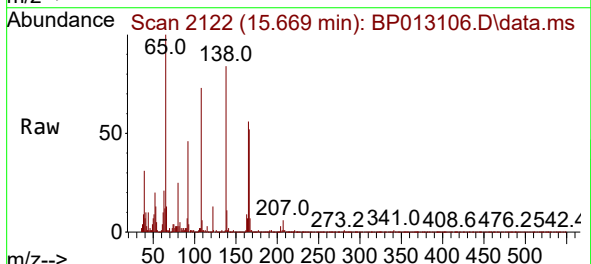
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

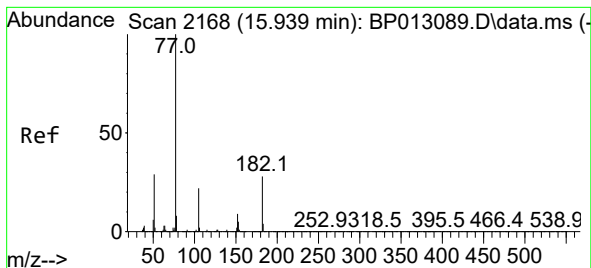
Tgt Ion:204 Resp: 271867
Ion Ratio Lower Upper
204 100
206 31.7 26.6 39.8
141 52.0 39.9 59.9



#62
4-Nitroaniline
Concen: 5.373 ng
RT: 15.669 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:138 Resp: 80245
Ion Ratio Lower Upper
138 100
92 54.4 30.4 70.4
108 85.9 51.4 91.4





#63

Azobenzene

Concen: 6.589 ng

RT: 15.933 min Scan# 2168

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion: 77 Resp: 431692

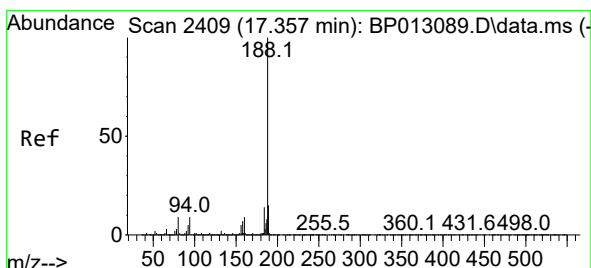
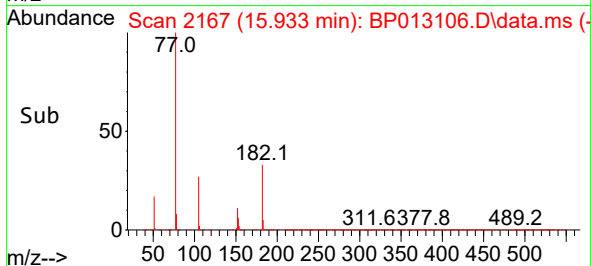
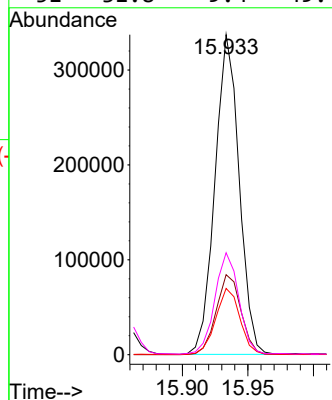
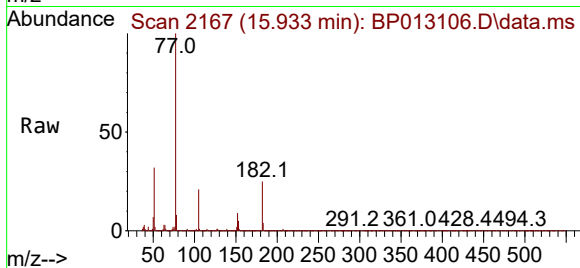
Ion Ratio Lower Upper

77 100

182 25.0 8.3 48.3

105 20.7 1.6 41.6

51 31.8 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.357 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

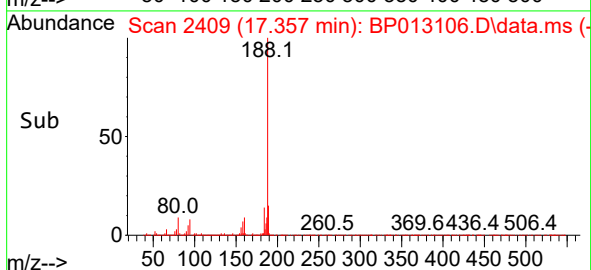
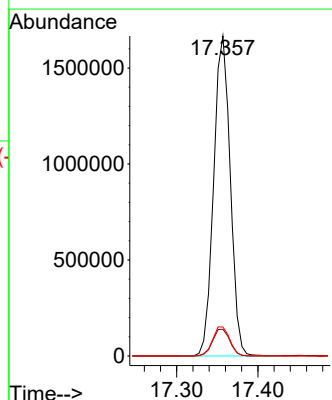
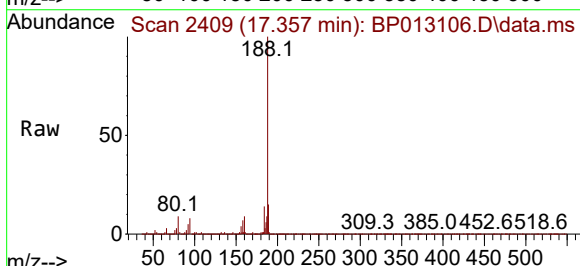
Tgt Ion:188 Resp: 2364902

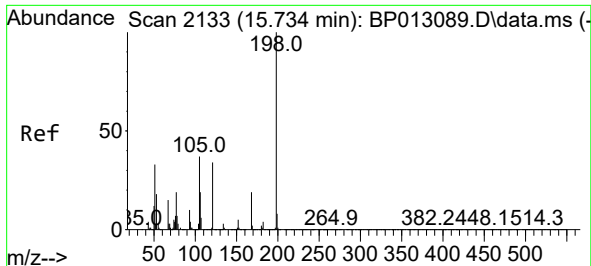
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 9.0 7.5 11.3

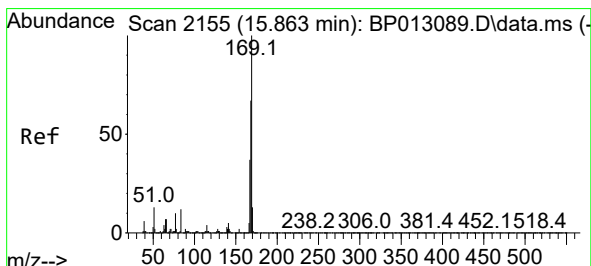
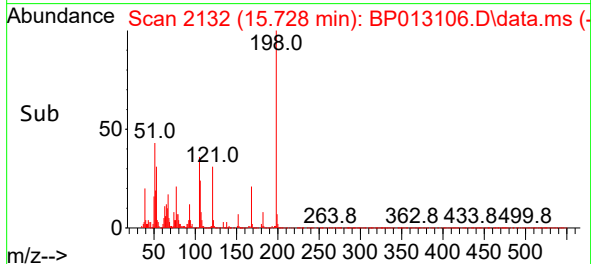
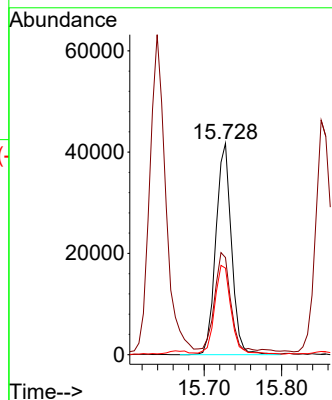
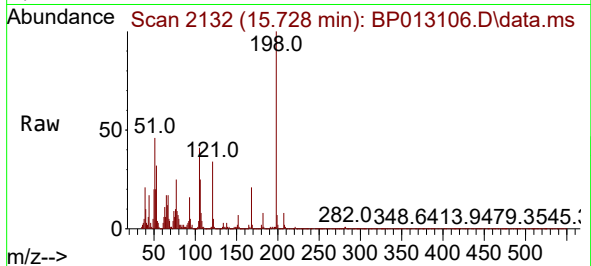




#65
4,6-Dinitro-2-methylphenol
Concen: 3.841 ng
RT: 15.728 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

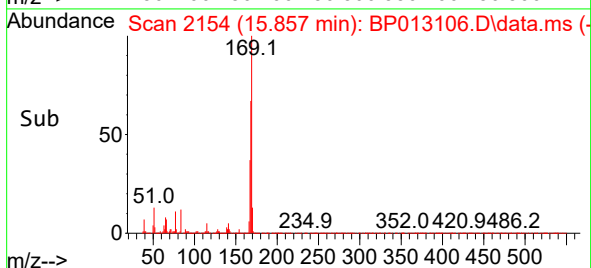
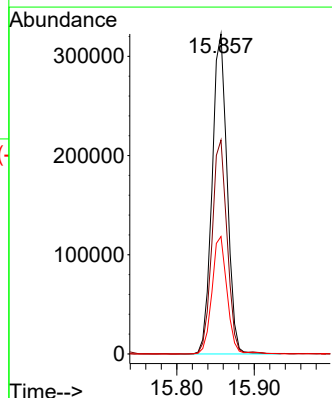
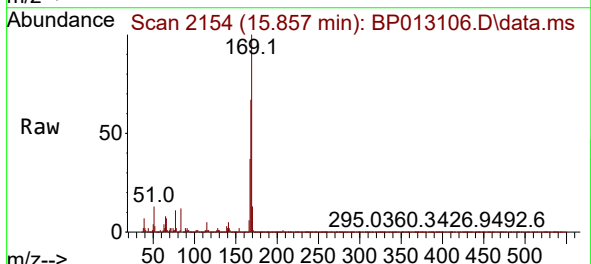
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

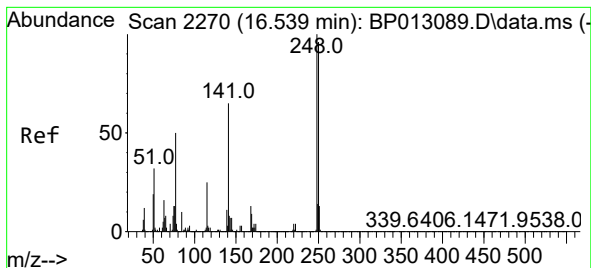
Tgt Ion:198 Resp: 58351
Ion Ratio Lower Upper
198 100
51 46.0 18.9 58.9
105 40.9 18.2 58.2



#66
n-Nitrosodiphenylamine
Concen: 5.878 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:169 Resp: 434036
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 36.7 29.4 44.0

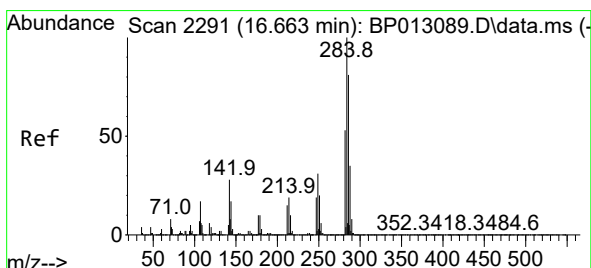
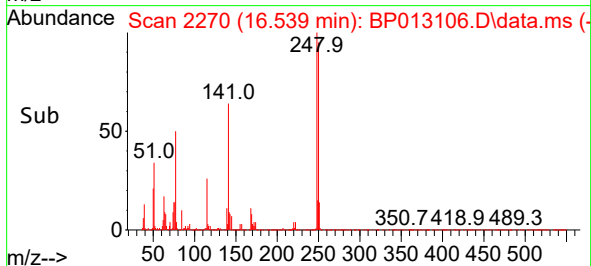
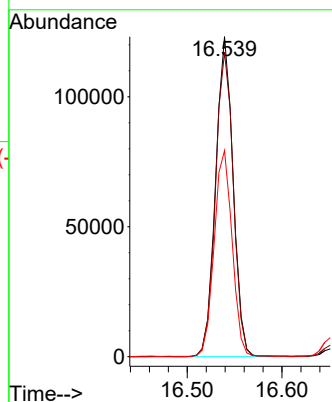
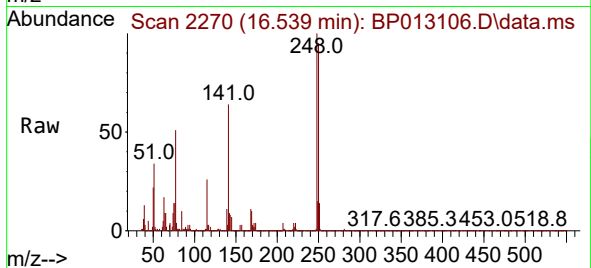




#67
4-Bromophenyl-phenylether
Concen: 5.655 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

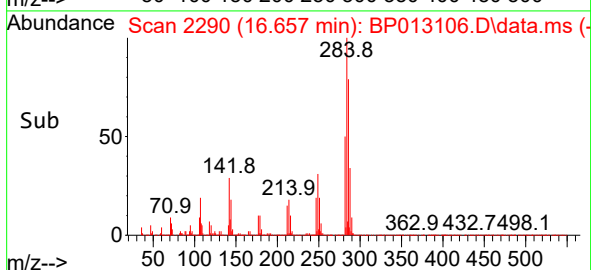
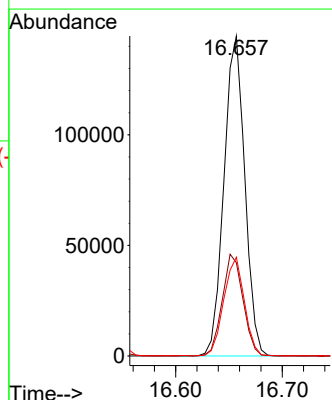
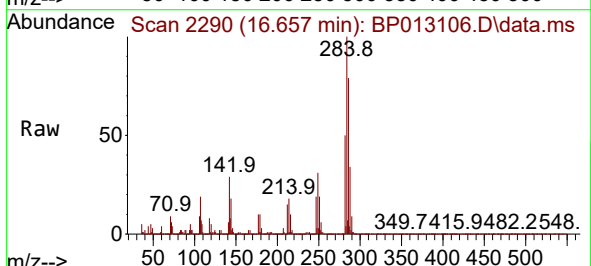
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

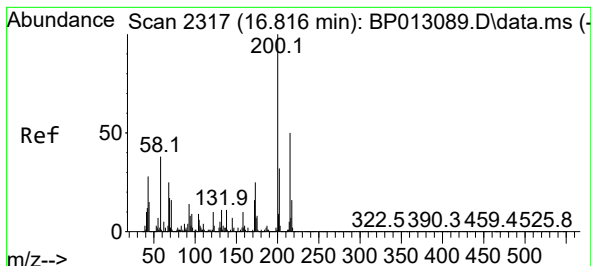
Tgt Ion:248 Resp: 158144
Ion Ratio Lower Upper
248 100
250 95.1 76.4 114.6
141 64.4 51.8 77.6



#68
Hexachlorobenzene
Concen: 5.993 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:284 Resp: 196236
Ion Ratio Lower Upper
284 100
142 29.1 22.6 34.0
249 30.9 24.5 36.7





#69

Atrazine

Concen: 6.933 ng

RT: 16.810 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

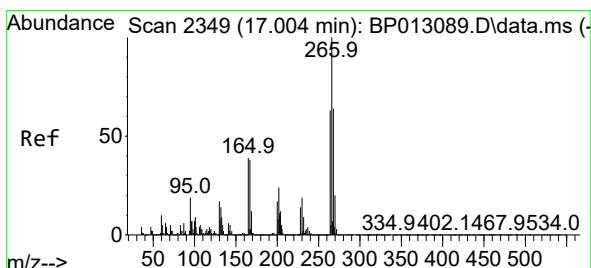
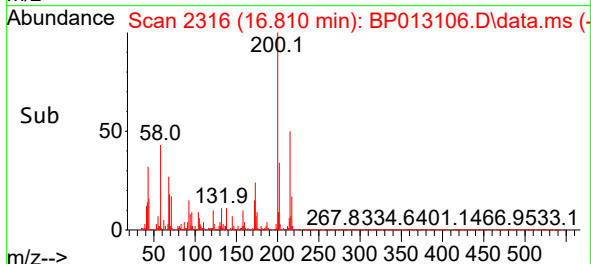
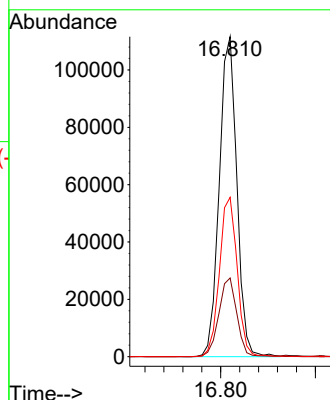
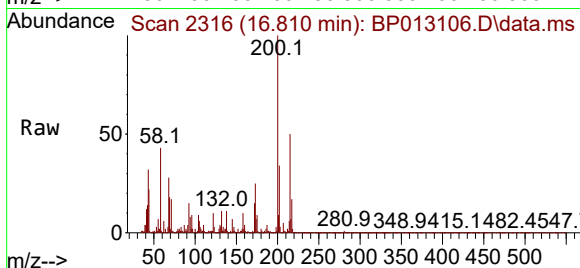
Tgt Ion:200 Resp: 143626

Ion Ratio Lower Upper

200 100

173 24.6 4.7 44.7

215 49.8 29.5 69.5



#70

Pentachlorophenol

Concen: 4.925 ng

RT: 17.004 min Scan# 2349

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

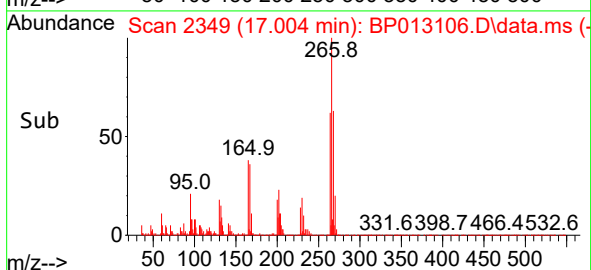
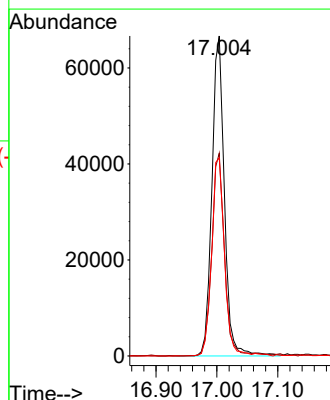
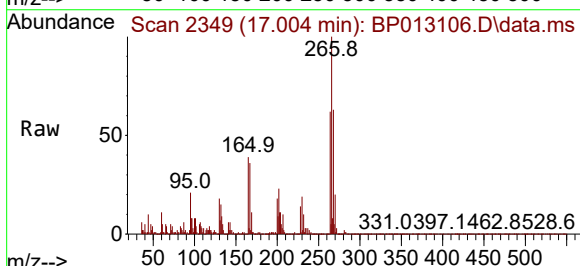
Tgt Ion:266 Resp: 94966

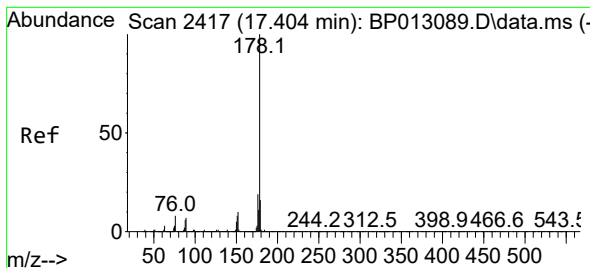
Ion Ratio Lower Upper

266 100

268 63.4 50.9 76.3

264 61.9 50.6 76.0





#71

Phenanthrene

Concen: 6.305 ng

RT: 17.398 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

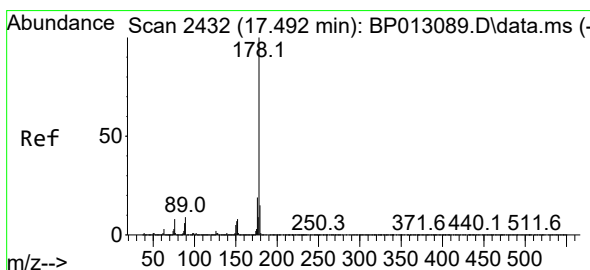
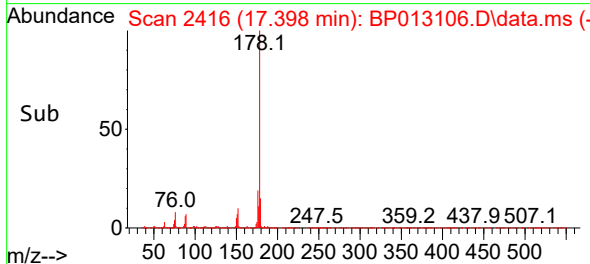
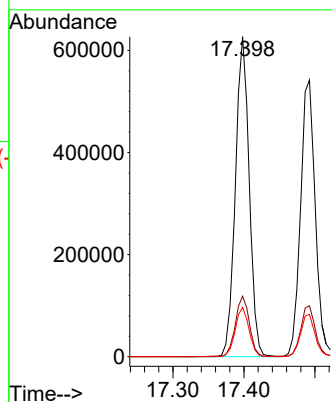
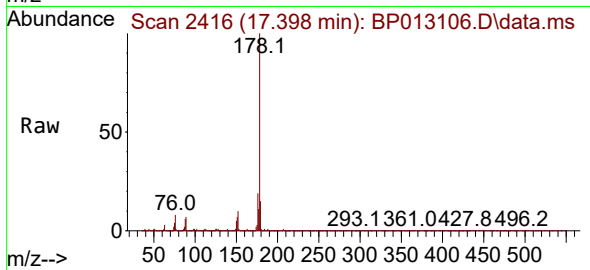
Tgt Ion:178 Resp: 848448

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.4 12.6 18.8



#72

Anthracene

Concen: 6.260 ng

RT: 17.492 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

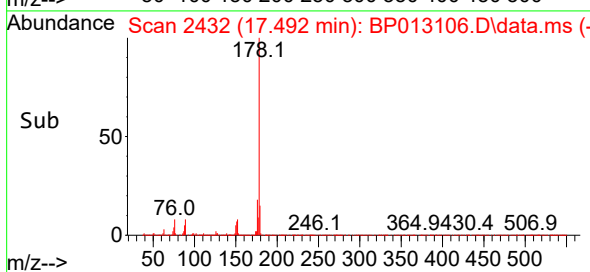
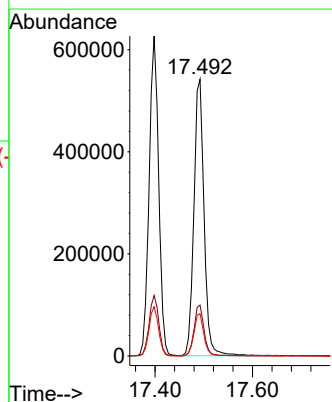
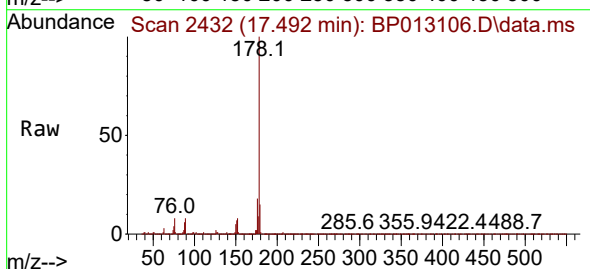
Tgt Ion:178 Resp: 790795

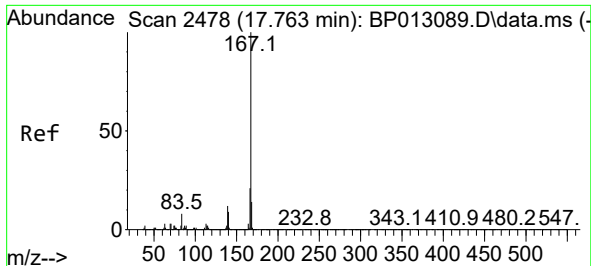
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.3 12.4 18.6

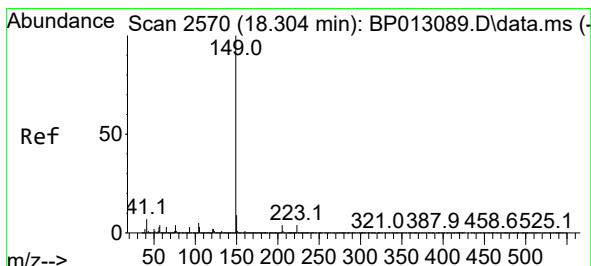
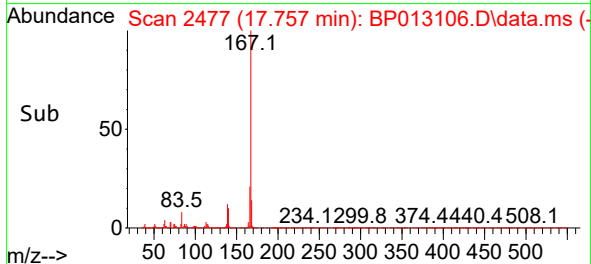
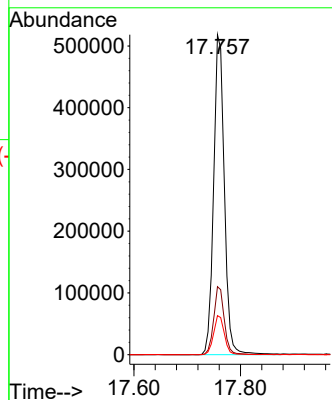
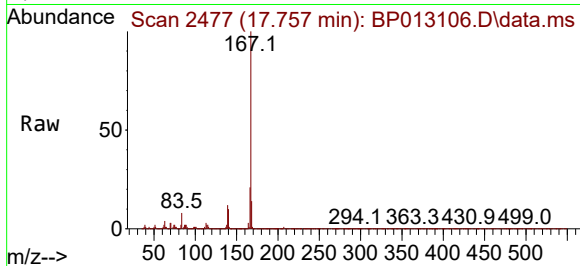




#73
 Carbazole
 Concen: 6.555 ng
 RT: 17.757 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP013106.D
 Acq: 14 Dec 2022 15:27

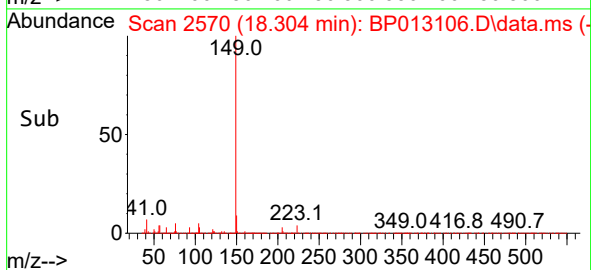
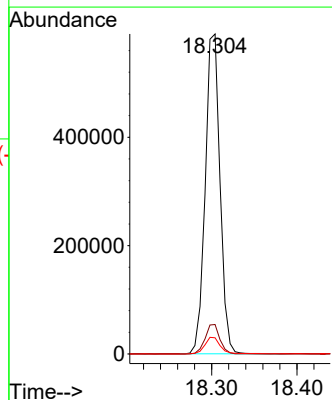
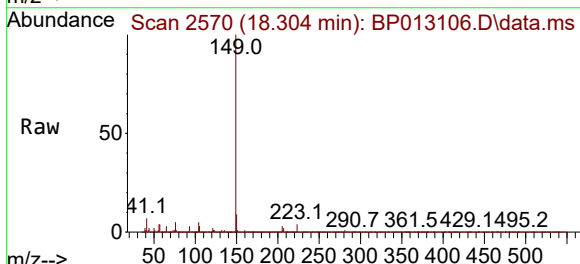
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

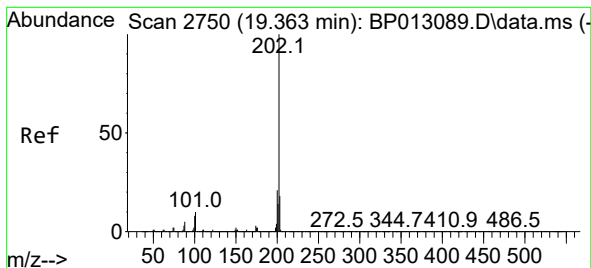
Tgt Ion:167 Resp: 725948
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.2 9.7 14.5



#74
 Di-n-butylphthalate
 Concen: 5.824 ng
 RT: 18.304 min Scan# 2570
 Delta R.T. -0.000 min
 Lab File: BP013106.D
 Acq: 14 Dec 2022 15:27

Tgt Ion:149 Resp: 709442
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.1 3.8 5.6





#75

Fluoranthene

Concen: 6.616 ng

RT: 19.363 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

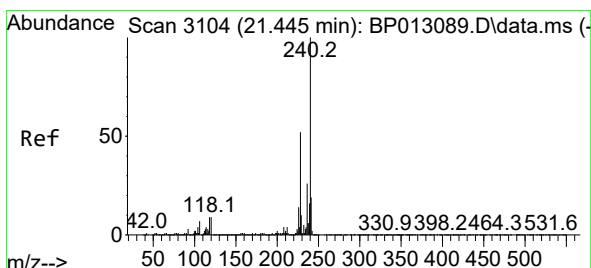
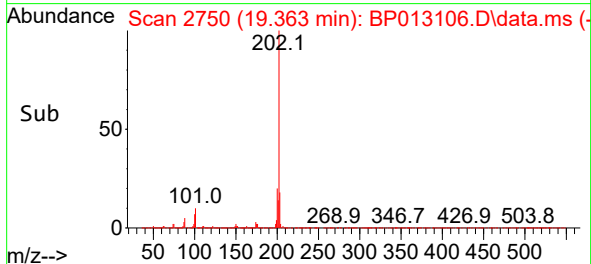
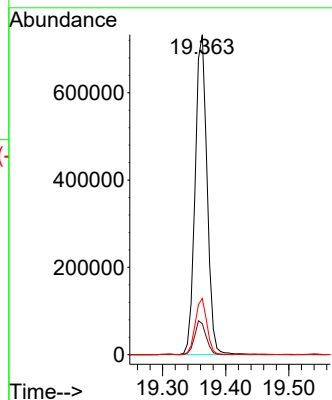
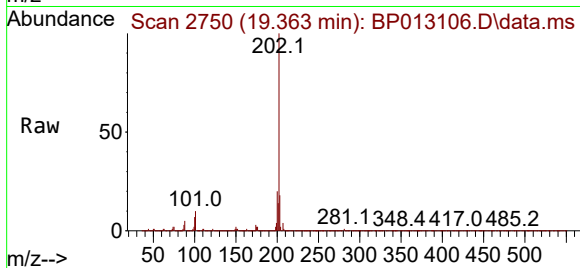
Tgt Ion:202 Resp: 958318

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.0

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

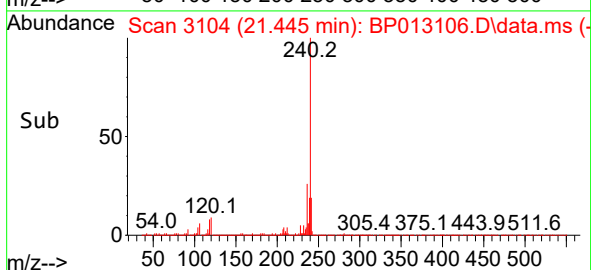
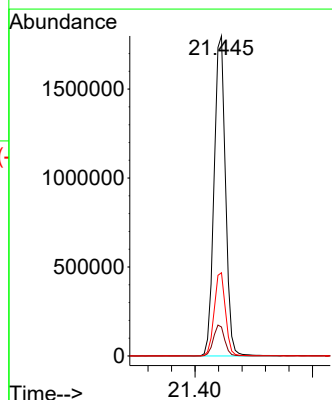
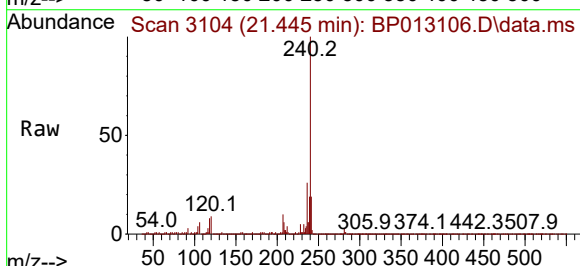
Tgt Ion:240 Resp: 2417139

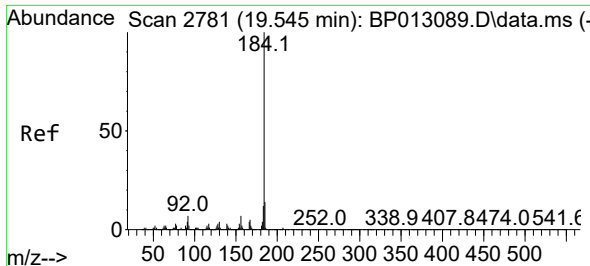
Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.2

236 26.0 21.0 31.4

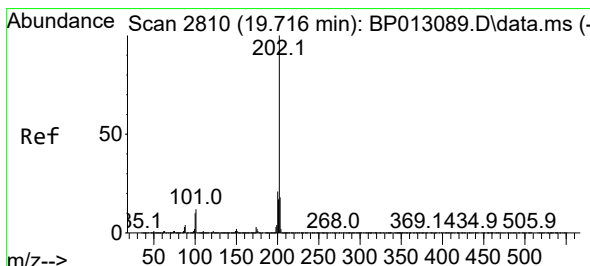
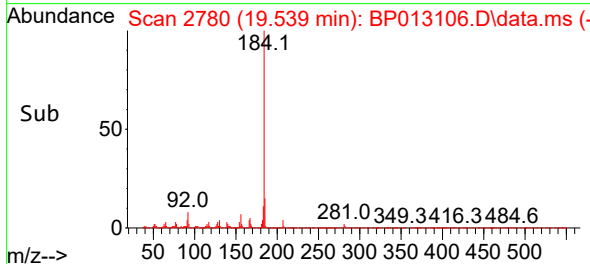
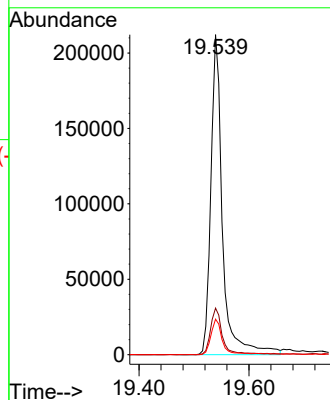
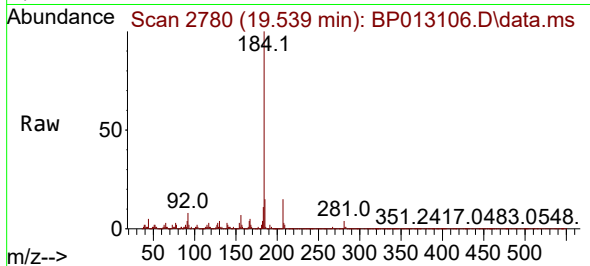




#77
Benzidine
Concen: 9.031 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

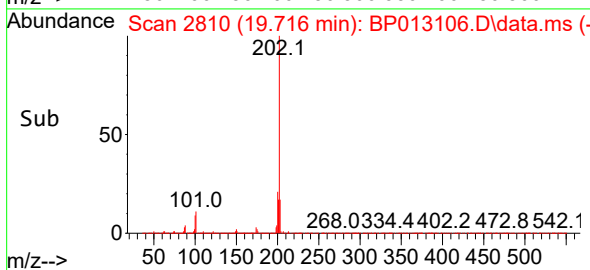
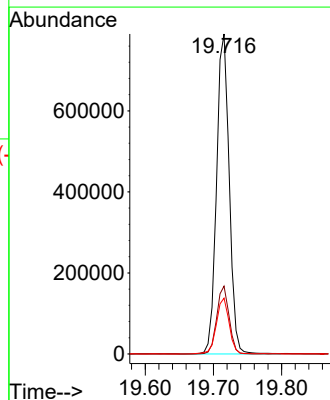
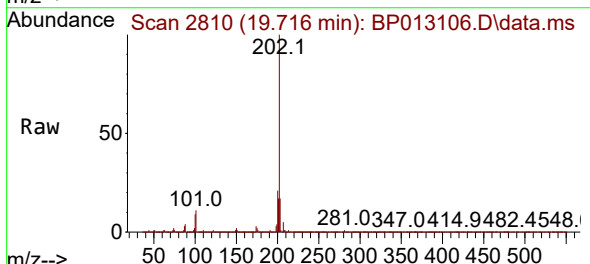
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

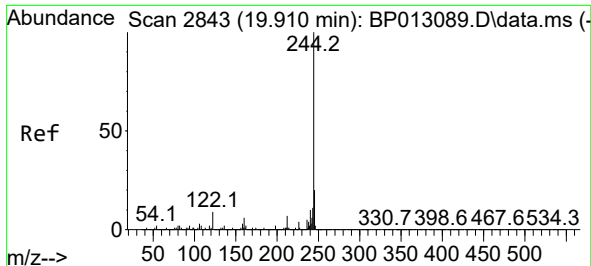
Tgt Ion:184 Resp: 310062
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 11.1 9.4 14.0



#78
Pyrene
Concen: 5.865 ng
RT: 19.716 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:202 Resp: 1018623
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 63.890 ng

RT: 19.910 min Scan# 2843

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

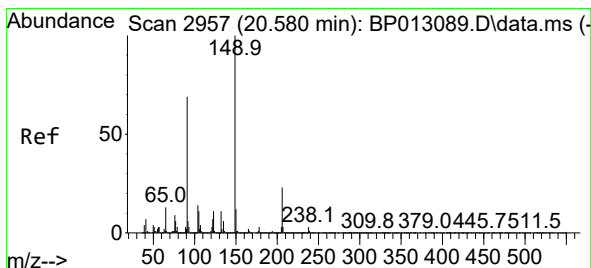
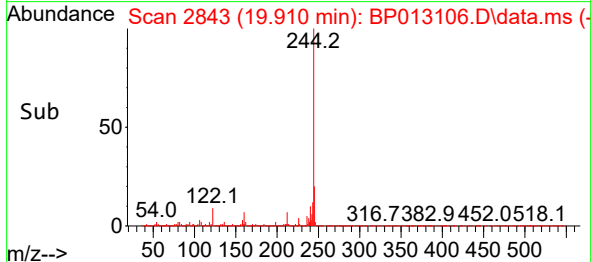
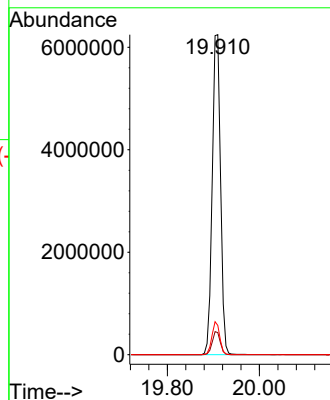
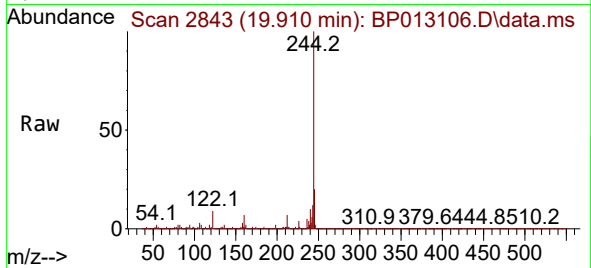
Tgt Ion:244 Resp: 7827706

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 9.1 7.2 10.8



#80

Butylbenzylphthalate

Concen: 5.342 ng

RT: 20.580 min Scan# 2957

Delta R.T. 0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

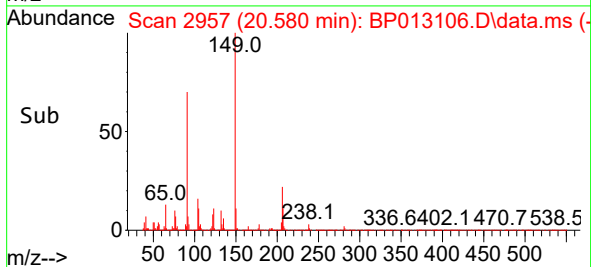
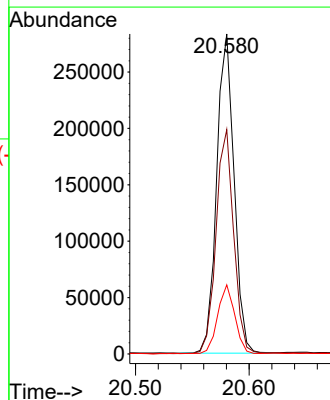
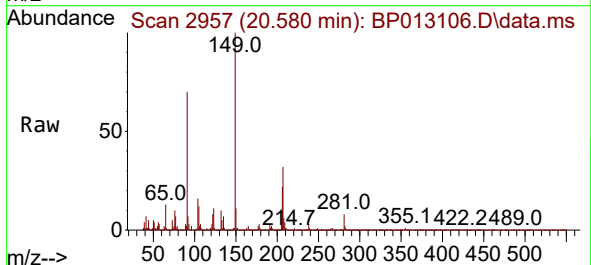
Tgt Ion:149 Resp: 300788

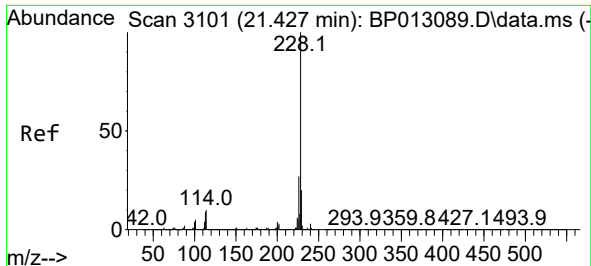
Ion Ratio Lower Upper

149 100

91 70.1 55.2 82.8

206 21.6 18.3 27.5

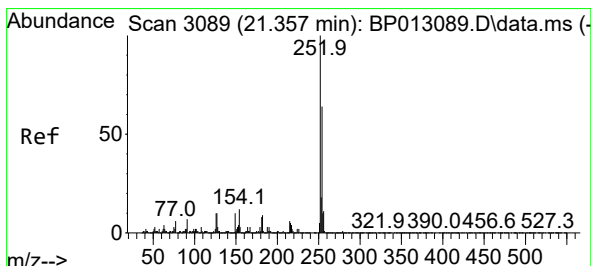
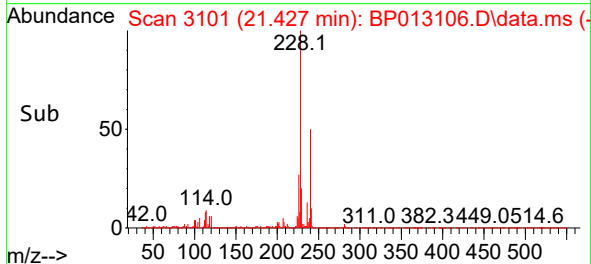
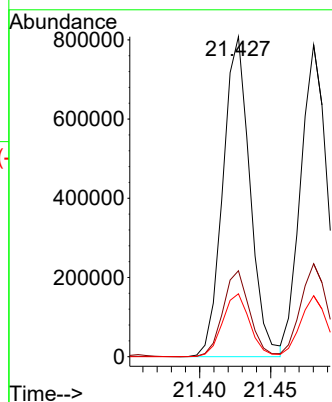
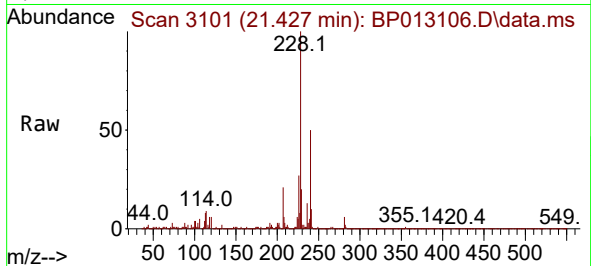




#81
Benzo(a)anthracene
Concen: 6.485 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

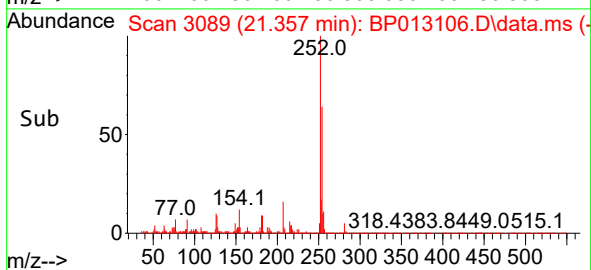
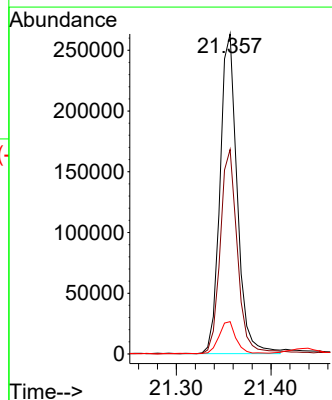
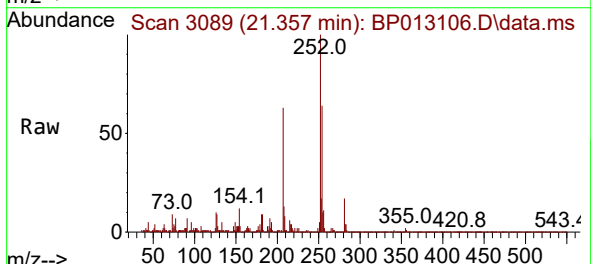
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

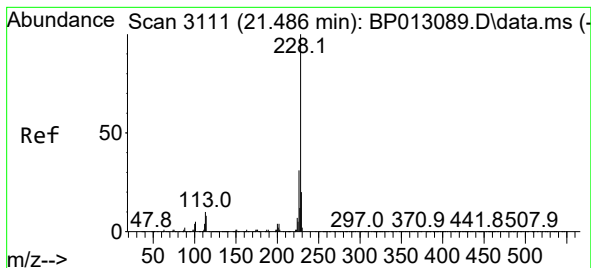
Tgt Ion:228 Resp: 1071492
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 19.6 16.2 24.4



#82
3,3'-Dichlorobenzidine
Concen: 6.744 ng
RT: 21.357 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:252 Resp: 331792
Ion Ratio Lower Upper
252 100
254 63.9 51.0 76.4
126 10.1 7.8 11.8





#83

Chrysene

Concen: 6.424 ng

RT: 21.480 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

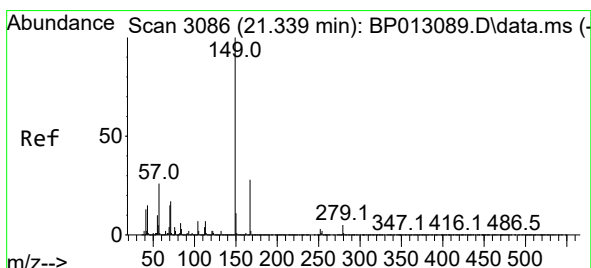
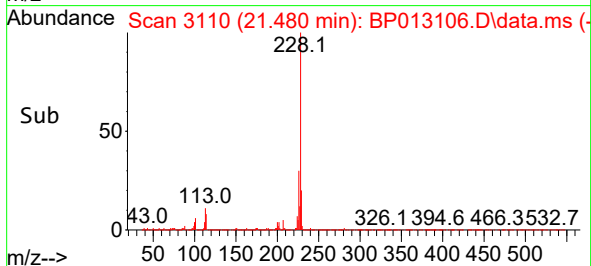
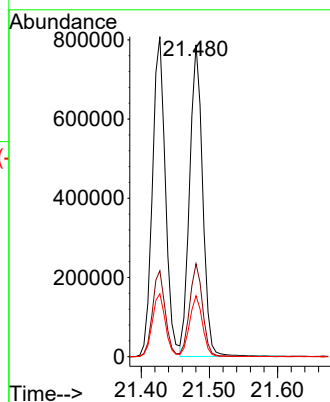
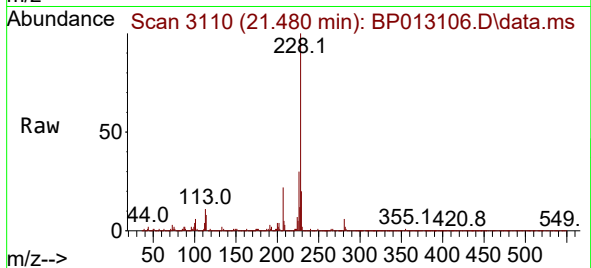
Tgt Ion:228 Resp: 1035360

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.507 ng

RT: 21.339 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

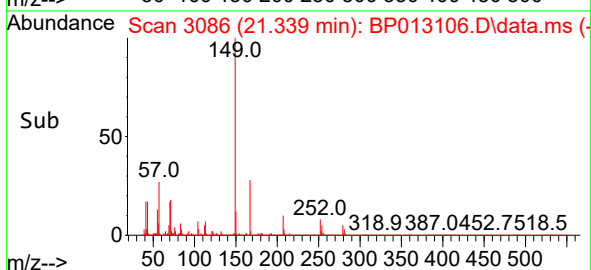
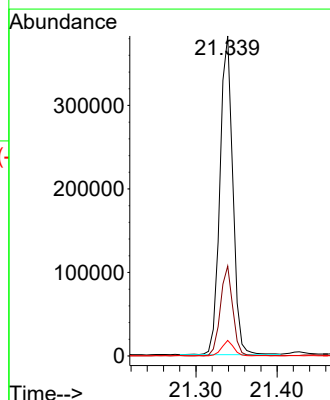
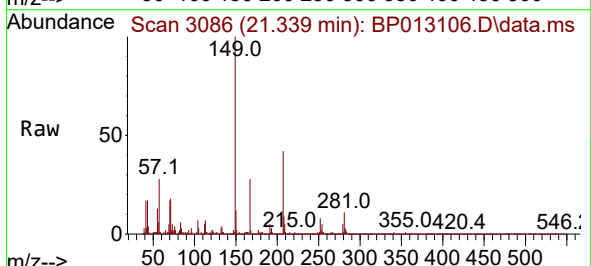
Tgt Ion:149 Resp: 421758

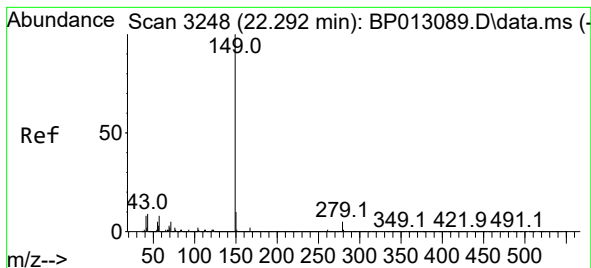
Ion Ratio Lower Upper

149 100

167 28.1 22.6 34.0

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 5.266 ng

RT: 22.286 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

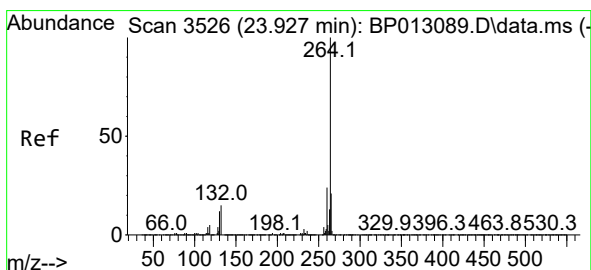
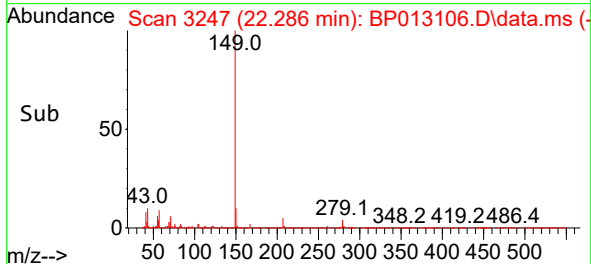
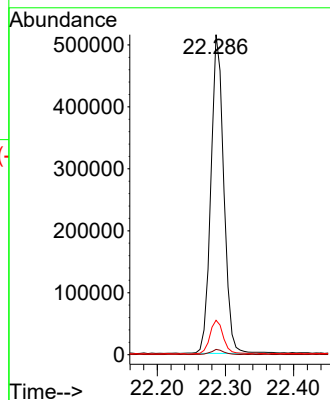
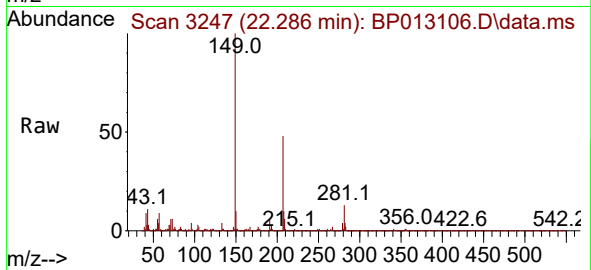
Tgt Ion:149 Resp: 677360

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.1 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.000 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

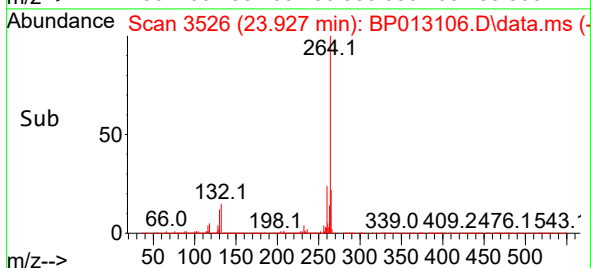
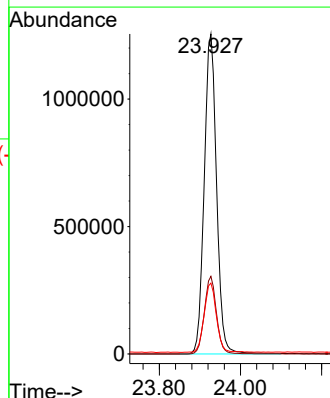
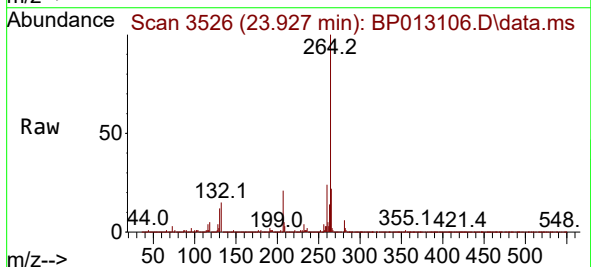
Tgt Ion:264 Resp: 2639240

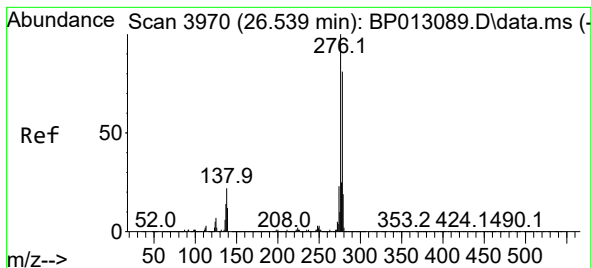
Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

265 22.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.487 ng

RT: 26.521 min Scan# 3967

Delta R.T. -0.018 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

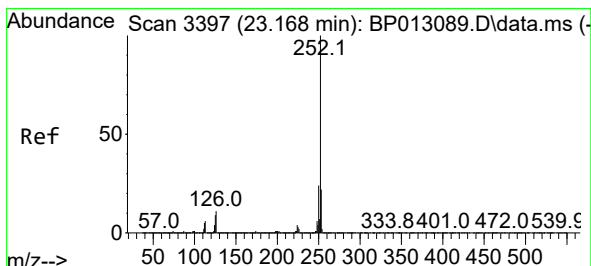
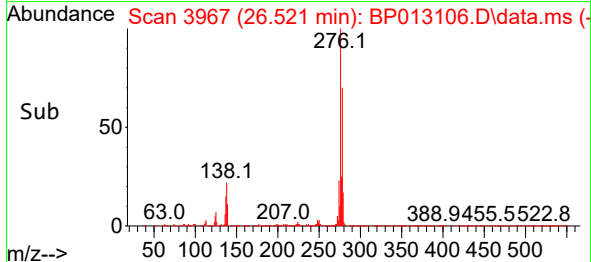
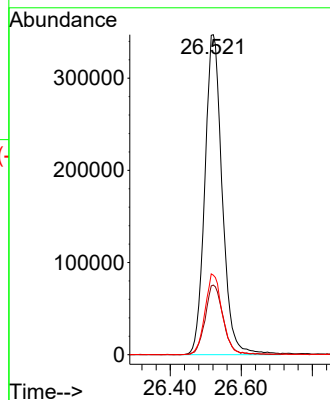
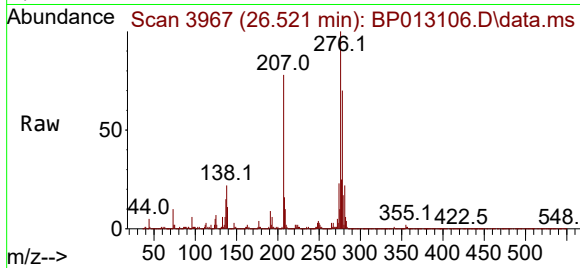
Tgt Ion:276 Resp: 1183227

Ion Ratio Lower Upper

276 100

138 22.4 17.3 25.9

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.098 ng

RT: 23.162 min Scan# 3396

Delta R.T. -0.006 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

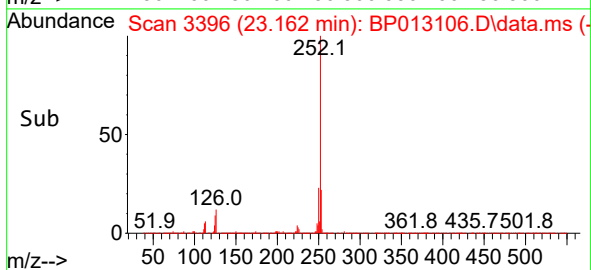
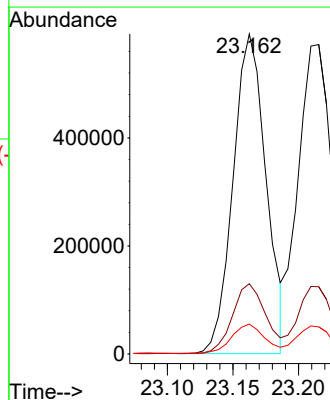
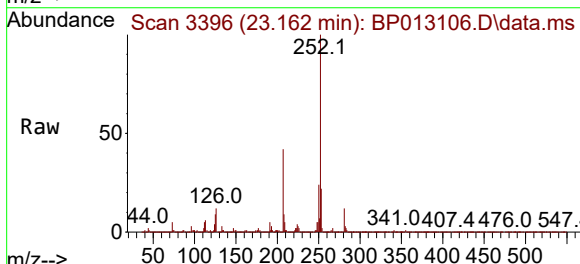
Tgt Ion:252 Resp: 1036268

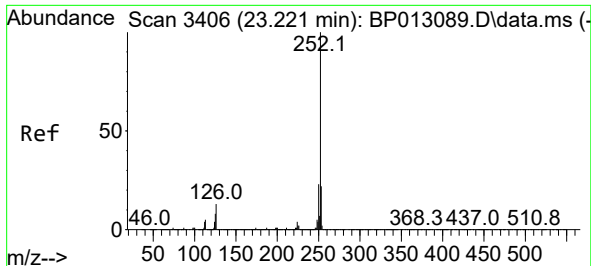
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 9.3 7.0 10.4

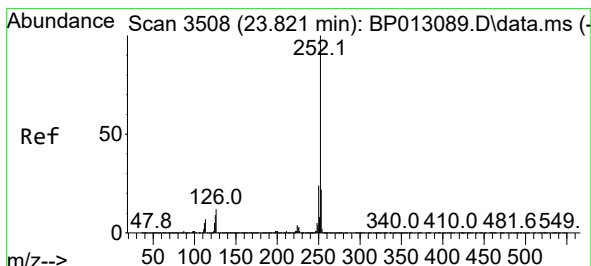
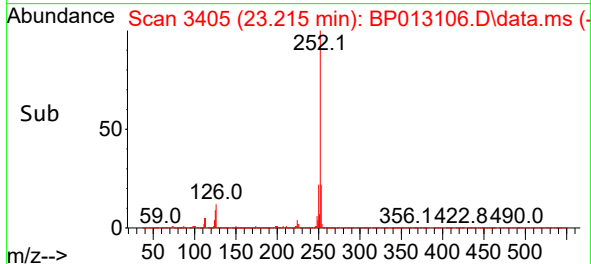
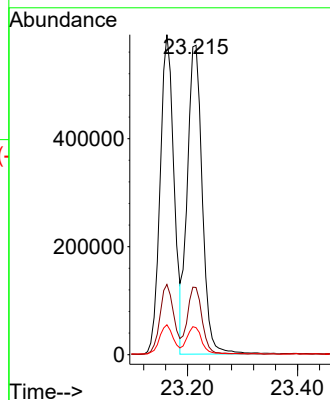
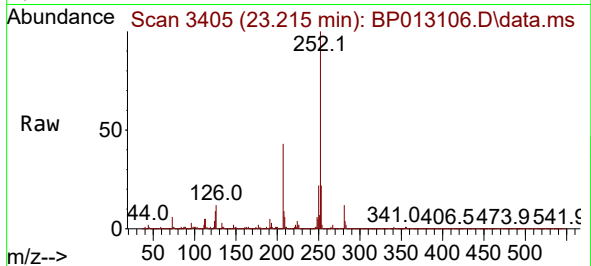




#89
Benzo(k)fluoranthene
Concen: 6.275 ng
RT: 23.215 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

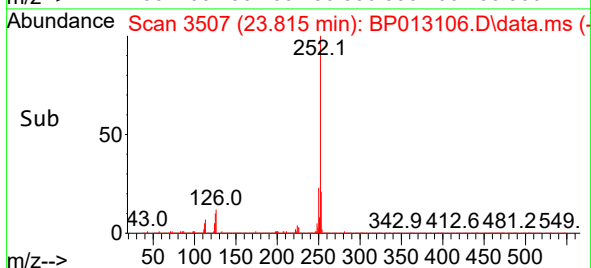
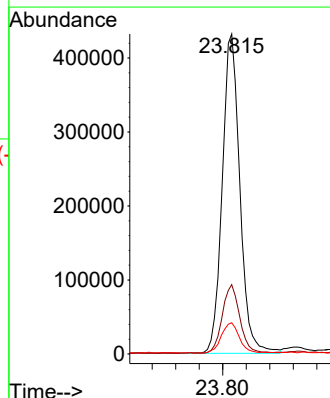
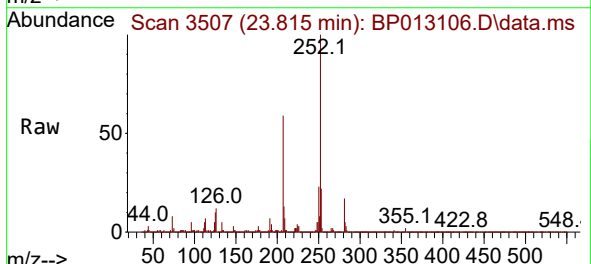
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

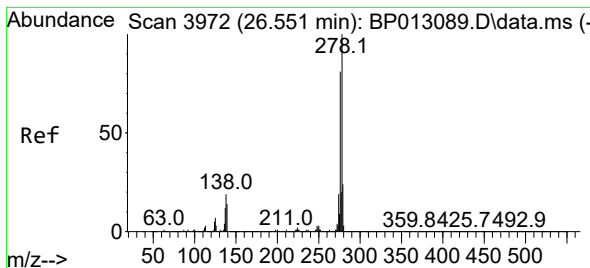
Tgt Ion:252 Resp: 1078757
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 8.7 6.7 10.1



#90
Benzo(a)pyrene
Concen: 6.306 ng
RT: 23.815 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BP013106.D
Acq: 14 Dec 2022 15:27

Tgt Ion:252 Resp: 899199
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.8 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 5.845 ng

RT: 26.539 min Scan# 3970

Delta R.T. -0.012 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

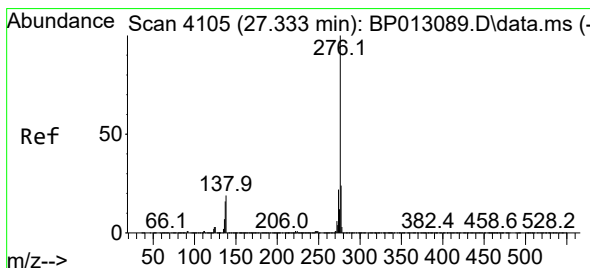
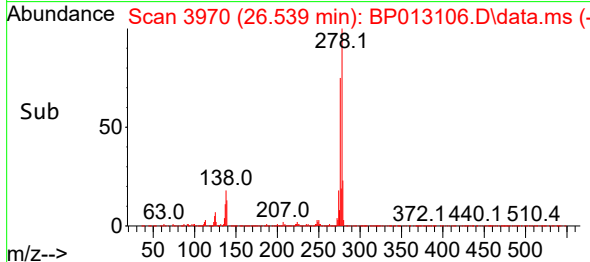
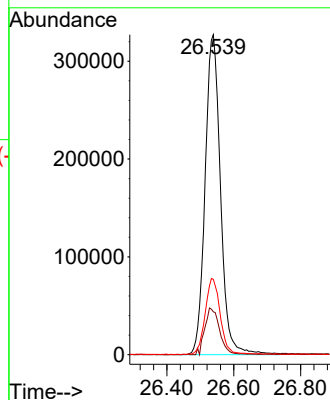
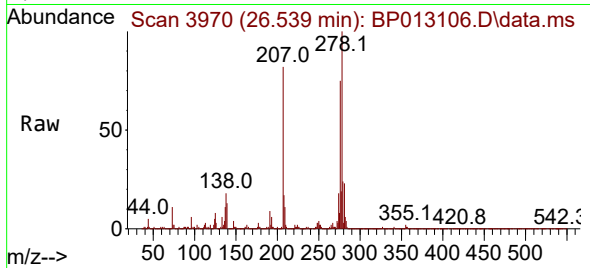
Tgt Ion:278 Resp: 1047506

Ion Ratio Lower Upper

278 100

139 13.4 11.0 16.6

279 23.6 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 5.726 ng

RT: 27.321 min Scan# 4103

Delta R.T. -0.012 min

Lab File: BP013106.D

Acq: 14 Dec 2022 15:27

Tgt Ion:276 Resp: 1016829

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 19.2 15.0 22.6

